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Galvite® Rigid Steel Conduit

Dimensions and Weights Chart

The values stated in feet/pound units are to be the standard. The metric equivalents may be approximate.

Trade Size Designator		Outside Diameter		Nominal Inside Diameter		Nominal Weight Per 100 Feet		Feet Per Bundle	Standard Lifts Length		Weight		Threads Per In.
US	Metric	IN	mm	IN	mm	LBS	KG		FEET	M	LBS.	KG	
1/2"	16	.840	21.34	.622	15.80	82	37.2	100	2500	762.50	2050	929.7	14
3/4"	21	1.050	26.67	.824	20.93	109	49.4	50	2000	610.0	2180	988.7	14
1"	27	1.315	33.40	1.049	26.64	161	73.0	50	1250	381.3	2013	912.9	11.5
1-1/4"	35	1.660	42.16	1.380	35.05	218	98.9	-	900	274.5	1962	889.8	11.5
1-1/2"	41	1.900	48.26	1.610	40.89	263	119.3	-	800	244.0	2104	954.2	11.5
2"	53	2.375	60.33	2.067	52.50	350	158.7	-	600	183.0	2100	952.4	11.5
2-1/2"	63	2.875	73.03	2.469	62.71	559	253.5	-	370	112.9	2068	937.9	8
3"	78	3.500	88.90	3.068	77.93	727	329.7	-	300	91.5	2181	989.1	8
3-1/2"	91	4.000	101.60	3.548	90.12	880	399.1	-	250	76.3	2200	997.7	8
4"	103	4.500	114.30	4.026	102.26	1030	467.1	-	200	61.0	2060	934.2	8
5"	129	5.563	141.30	5.047	128.19	1400	634.9	-	150	45.8	2100	952.4	8
6"	155	6.625	168.28	6.065	154.05	1840	834.5	-	100	30.5	1840	834.5	8

Conduit is furnished in nominal 10' lengths with both ends threaded. Applicable length tolerance: length = ±1/4" (±6.35 mm) - without coupling. A coupling is screwed on one end and a thread protector is on the other. Conduit is always identified by its English or Metric Trade Size Designator. All dimensions and weights shown above are nominal.

OUTSIDE DIAMETER:
For trade sizes through 2": ±0.015" (±0.38 mm)
For trade size 2-1/2" through 4": ±0.025" (±0.64 mm)
For trade size 5" through 6": ± 1%

Rigid

Conduit Color Code–Bundle Tape Chart

PRODUCT	SIZE, IN.	COLOR CODE	METHOD
Rigid Steel Conduit	1/4" sizes	Red	End Caps
	1/2" sizes	Black	End Caps
	1" sizes	Blue	End Caps

No Hassle Quality Guarantee

If at any time within one year of the shipment date from an LTV Copperweld facility, you are not satisfied with the quality of electrical conduit products purchased from LTV Copperweld, we will promptly replace the material—free of charge. This guarantee applies to all electrical conduit products except where environmental conditions preclude one year of service life.

LTV COPPERWELD

Pipe and Conduit Group
1315 Albert Street • Youngstown, OH 44505
Telephone 800-445-7473 • Fax 330-742-5955
www.ltv-copperweld.com
conduit@ltv-copperweld.com

IMC

Dimensions and Weights Chart

The values stated in feet/pound units are to be the standard. The metric equivalents may be approximate.

Trade Size Designator		Outside Diameter Minimum		Outside Diameter Maximum		Wall Thickness Minimum		Wall Thickness Maximum		Nominal Weight Per 100 Feet		Feet Per Bundle	Standard Lifts Length		Standard Lifts Weight		Length Without	Threads Per In.
US	Metric	IN	mm	IN	mm	IN	mm	IN	mm	LBS	KG		FEET	M	LBS	KG	Coupling	
1/2"	16	.810	20.57	.820	20.83	.070	1.78	.085	2.16	62	28.1	100	3500	1067.5	2170	984.1	9' 11-1/4"	14
3/4"	21	1.024	26.01	1.034	26.26	.075	1.91	.090	2.29	84	38.1	50	2500	762.5	2100	952.4	9' 11-1/4"	14
1"	27	1.285	32.64	1.295	32.89	.085	2.16	.100	2.54	119	54.0	50	1700	518.5	2023	917.5	9' 11"	11.5
1-1/4"	35	1.630	41.40	1.645	41.78	.085	2.16	.100	2.54	158	71.7	-	1350	411.8	2133	967.3	9' 11"	11.5
1-1/2"	41	1.875	47.63	1.890	48.01	.090	2.29	.105	2.67	194	88.0	-	1100	335.5	2134	967.8	9' 11"	11.5
2"	53	2.352	59.74	2.367	60.12	.095	2.41	.110	2.79	256	116.1	-	800	244.0	2048	928.8	9' 11"	11.5
2-1/2"	63	2.847	72.31	2.867	72.82	.140	3.56	.160	4.06	441	200.0	-	370	112.9	1632	740.1	9' 10-1/2"	8
3"	78	3.466	88.04	3.486	88.54	.140	3.56	.160	4.06	543	246.3	-	300	91.5	1629	738.8	9' 10-1/2"	8
3-1/2"	91	3.961	100.61	3.981	101.12	.140	3.56	.160	4.06	629	285.3	-	240	73.2	1510	684.8	9' 10-1/4"	8
4"	103	4.456	113.18	4.476	113.69	.140	3.56	.160	4.06	700	317.5	-	240	73.2	1680	761.9	9' 10-1/4"	8

*IMC in these sizes is furnished with knurled inside finish.
All sizes are furnished in 10' lengths with +1/4" (+6.35 mm) tolerance. OD size same as corresponding sizes of rigid conduit.

IMC

Conduit Color Code–Bundle Tape Chart

PRODUCT	SIZE, IN.	COLOR CODE	METHOD
IMC Steel Conduit	1/4" sizes	Green	End Caps
	1/2" sizes	Yellow	End Caps
	1" sizes	Orange	End Caps

No Hassle Quality Guarantee

If at any time within one year of the shipment date from an LTV Copperweld facility, you are not satisfied with the quality of electrical conduit products purchased from LTV Copperweld, we will promptly replace the material—free of charge. This guarantee applies to all electrical conduit products except where environmental conditions preclude one year of service life.

LTV COPPERWELD

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No Hassle Quality Guarantee

If at any time within one year of the shipment date from an LTV Copperweld facility, you are not satisfied with the quality of electrical conduit products purchased from LTV Copperweld, we will promptly replace the material—free of charge. This guarantee applies to all electrical conduit products except where environmental conditions preclude one year of service life.

EMT

Dimensions and Weights Chart

The values stated in feet/pound units are to be the standard. The metric equivalents may be approximate.

Trade Size Designator		Outside Diameter		Nominal Inside Diameter		Nominal Wall Thickness		Nominal Weight Per 100 Feet		Feet Per	Standard Lifts Length		Weight	
US	Metric	IN	mm	IN	mm	IN	mm	LBS	KG	Bundle	FEET	M	LBS.	KG
1/2"*	16	.706	17.93	.622	15.80	.042	1.07	30	13.6	100	7000	2135.0	2100	952.4
3/4"*	21	.922	23.42	.824	21.00	.049	1.25	46	20.9	100	5000	1525.0	2300	1043.1
1"*	27	1.163	29.54	1.049	26.60	.057	1.45	67	30.4	100	3000	915.0	2010	911.6
1-1/4"	35	1.510	38.35	1.380	35.05	.065	1.65	101	45.8	50	2000	610.0	2020	916.1
1-1/2"	41	1.740	44.20	1.610	40.89	.065	1.65	116	52.6	50	1500	457.5	1740	789.1
2"	53	2.197	55.80	2.067	52.50	.065	1.65	148	67.1	30	1200	366.0	1776	805.4
2-1/2"**	63	2.875	73.03	2.731	69.36	.072	1.83	216	98.0	-	610	186.1	1318	597.7
3"**	78	3.500	88.90	3.356	85.24	.072	1.83	263	119.3	-	510	155.6	1341	608.2
3-1/2"**	91	4.000	101.6	3.834	97.38	.083	2.11	349	158.3	-	370	112.9	1291	585.5
4"**	103	4.500	114.3	4.334	110.08	.083	2.11	393	178.2	-	300	91.5	1179	534.7

All sizes furnished in 10' lengths. Applicable length tolerance: length = ±1/4" (±6.35 mm).
*Furnished bearing the INCH-MARKED and GUIDE-LINED trademarks and with knurled inside finish.
**OD size same as corresponding trade sizes of rigid conduit.

OUTSIDE DIAMETER:
For trade sizes through 2": ±0.005" (±0.13 mm)
For trade size 2-1/2": ±0.010" (±0.25 mm)
For trade size 3": ±0.015" (±0.38 mm)
For trade sizes 3-1/2" and 4": ±0.020" (±0.51 mm)

EMT

Conduit Color Code–Bundle Tape Chart

PRODUCT	SIZE, IN.	COLOR CODE	METHOD
EMT Steel Conduit	1/4" Sizes 1/2" sizes 1" sizes	Red Black Blue	Tape Tape Tape

LTV COPPERWELD

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1315 Albert Street • Youngstown, OH 44505
Telephone 800-445-7473 • Fax 330-742-5955
www.ltv-copperweld.com
conduit@ltv-copperweld.com

LASLEY SALES COMPANY
60 Industrial Park Drive, Suite 1
Hendersonville, TN 37075
Tel: 615-822-7773 1-800-227-4728 Fax: 615-822-7780

8/30/2001

L.T.V. CONDUIT QUOTATION

SELL PRICE X 1.03

Requested By:
Job Reference:

Distributor:
Location:

QUANTITY	SIZE	FEET PER LIFT	WEIGHT PER LIFT	LIST PRICE	DISTRIBUTOR COST PER CFT	DISTRIBUTOR COST EXTENDED	
			Galvanized Rigid Conduit (GRC)				
	0.50	2,500	2,050	184.97	$39.95		*
	0.75	2,000	2,180	229.47	$49.25		*
	1.00	1,250	2,013	353.73	$64.50		*
	1.25	900	1,962	472.90	$92.00		*
	1.50	800	2,104	577.68	$110.00		*
	2.00	600	2,100	772.91	$144.00		*
	2.50	370	2,066	1,281.08	$240.00		*
	3.00	300	2,181	1,632.69	$315.00		*
	3.50	250	2,200	1,990.92	$362.00		*
	4.00	200	2,060	2,316.86	$430.00		*
	5.00	150	2,100	4,694.94	$875.00		*
	6.00	100	1,840	6,601.06	$1,228.00		*
			Intermediate Metal Conduit (IMC)				
	0.50	3,500	2,170	137.92	$35.29		
	0.75	2,500	2,100	164.65	$42.20		
	1.00	1,700	2,023	252.18	$64.57		
	1.25	1,350	2,133	320.13	$82.01		
	1.50	1,100	2,134	378.51	$97.02		
	2.00	800	2,048	513.37	$131.54		
	2.50	370	1,632	1,137.63	$239.87		*
	3.00	300	1,629	1,399.49	$292.53		*
	3.50	240	1,510	1,622.91	$342.09		*
	4.00	240	1,680	1,907.95	$386.55		*
			Electrical Metallic Tubing (EMT)				
	0.50	7,000	2,100	45.79	$11.58		
	0.75	5,000	2,300	81.78	$20.69		
	1.00	3,000	2,010	145.23	$36.74		
	1.25	2,000	2,020	204.11	$51.64		
	1.50	1,500	1,740	251.35	$63.59		
	2.00	1,200	1,776	309.49	$78.29		
	2.50	610	1,318	466.84	$112.00		*
	3.00	510	1,341	594.92	$145.00		*
	3.50	370	1,291	818.26	$195.00		*
	4.00	300	1,179	898.60	$220.00		*

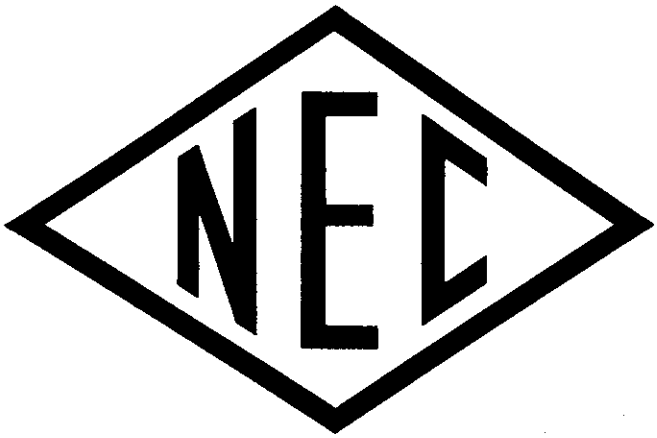
QUOTATION SUMMARY

	Feet	Weight	Dist. Cost
GRC			
IMC			
EMT			
TOTAL			

Notes / Comments

Prices firm through 12/31/01
Maximum 2-1/2% escalator per calendar quarter thereafter.

Prepaid Freight = 10,000 lbs.



N.E.C., INC.

5675 GUHN ROAD HOUSTON, TEXAS 77040

Tel: (713) 460-5556
Fax: (713) 460-5727

10/99

N.E.C., INC.
HOUSTON, TEXAS

UL LISTED

X31

ELBOWS - GALVANIZED RIGID 90 & 45 DEGREE

PIPE SIZE (IN.)	LIST PRICE PER 100 $	STND CRTN	WEIGHT PER CRTN	WEIGHT PER 100	MIN RADIUS
½"	322.89	50	39	78	4"
¾"	386.26	50	56	111	4 ½"
1"	576.81	20	38	191	5 ¾
1 ¼"	825.32	20	62	312	7 ¼"
1 ½'	1074.61	20	85	424	8 ¼"
2"	1551.47	10	66	658	9 ½"
2 ½"	2835.55	100	293	1177	10 ½"
3"	4125.68	50	463	1850	13"
3 ½"	6463.36	35	645	2578	15"
4"	7399.11	25	804	3216	16"
5"	17519.62	B	B	6700	24"
6"	26361.63	B	B	11183	30"

X.31

RIGID COUPLINGS

PRICE PER 100 $	STND CRTN	WT 100
95.79	100	14
117.58	50	20
174.16	30	31
217.74	25	39
274.97	25	56
363.43	20	73
849.72	24	185
1100.17	16	226
1475.27	12	358
1481.57	10	400
3418.96	BULK	497
4747.33	BULK	816

30 & 60 DEGREE ELBOWS AVAILABLE - ADD 10% TO ABOVE PRICES

X.54

ELBOWS - IMC 90 & 45 DEGREE

PIPE SIZE (IN.)	LIST PRICE PER 100 $	STND CRTN	WEIGHT PER CRTN	WEIGHT PER 100	MIN RADIUS
½"	323.77	50	30	60	4"
¾"	395.49	50	39	78	4 ½"
1"	569.56	20	29	144	5 ¾"
1 ¼"	923.85	20	45	224	7 ¼"
1 ½"	1036.31	10	31	307	8 ¼"
2"	1493.11	10	45	446	9 ½"
2 ½"	2649.75	100	229	914	10 ½"
3"	4055.52	50	333	1330	13"
3 ½"	6180.80	35	442	1766	15"
4"	7170.35	25	526	2102	16"

X38

IMC COUPLINGS

PRICE PER 100 $	STND CRTN	WT 100
95.79	100	14
117.58	50	20
174.16	30	31
217.74	25	39
274.97	25	56
363.43	20	73
849.72	24	185
1100.17	16	226
1475.27	12	358
1481.57	10	400

30 & 60 DEGREE ELBOWS AVAILABLE - ADD 10% TO ABOVE PRICES

N.E.C., INC.
HOUSTON, TEXAS

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X38

EMT ELBOWS - 90 & 45 DEGREE

PIPE SIZE (IN.)	LIST PRICE PER 100 $	STND CRTN	WEIGHT PER CRTN	WEIGHT PER 100	MIN RADIUS	STRAIGHT LENGTH EACH END
½"	189.40	50	15	30	4"	2 7/8"
¾"	190.62	50	21	42	4 ½"	2 7/8"
1"	249.05	20	18	90	5 ¾"	3 ¼"
1 ¼"	360.15	20	28	140	7 ¼"	3 ¼"
1 ½"	469.75	20	40	200	8 ¼"	3 5/8"
2"	716.80	10	28	280	9 ½"	4 ½"
2 ½"	1745.22	100	122	486	10 ½"	5 ½"
3"	2602.08	50	176	704	13"	6 1/8"
3 ½"	3487.64	35	265	1059	15"	7 1/8"
4"	4103.12	25	319	1274	16"	7 1/8"

30 & 60 DEGREE ELBOWS AVAILABLE - ADD 10% TO ABOVE PRICES

X.53

RUNNING THREAD PIPE - RIGID CONDUIT

PIPE SIZE (IN.)	LIST PRICE PER 100 PCS $	PCS PER CARTON	WT PER CARTON	WT PER 100 PCS	THREADS PER INCH
½"	1993.45	20	37	186	14
¾"	2188.71	25	64	255	14
1"	3693.78	20	62	309	11 ½
1 ¼"	4197.50	12	51	426	11 ½
1 ½"	4544.47	15	54	540	11 ½
2"	6140.77	8	60	750	11 ½
2/ ½"	9650.53	4	46	1149	8
3"	12441.90	3	45	1500	8
3 ½"	14930.02	2	38	1900	8
4"	17418.96	2	43	2148	8

N.E.C., INC.
HOUSTON, TEXAS

UL LISTED

X39

GALVANIZED NIPPLES

PRICING INFORMATION

PIPE SIZE (IN.)	CLS LGN (IN.)	CLOSE Price Per 100 $	CLOSE Lbs Per 100	1 ½" Price Per 100 $	1 ½" Lbs Per 100	2" Price Per 100 $	2" Lbs Per 100	2 ½" Price Per 100 $	2 ½" Lbs Per 100	3" Price Per 100 $	3" Lbs Per 100	3 ½" Price Per 100 $	3 ½" Lbs Per 100
⅛"	1 1/8"	58.11	6	69.32	8	78.79	12	85.09	15	92.24	19	100.81	22
¼"	1 3/8'	75.02	9	86.39	9	88.62	14	98.64	19	107.50	24	132.09	28
1"	1 ½"	112.44	16			123.81	22	134.56	28	149.97	36	170.10	43
1 ¼"	1 5/8"	146.33	22			157.40	28	172.43	37	185.84	47	211.34	55
1 ½"	1 ¾"	176.65	28			186.48	34	209.98	44	226.42	56	260.41	68
2"	2"	216.65	44					254.27	59	294.18	72	334.99	88
2 ½"	2 ¼"	600.86	84							607.32	00	717.89	120
3"	2 5/8"	704.96	118							746.60	30	842.85	157
3 ½"	2 ¾"	868.50	160										
4"	2 7/8"	1025.82	180										
5"	3"	1801.44	240										
6"	3 1/8"	2368.76	350										

NIPPLES LONGER THAN 12" LENGTHS OR SPECIAL THREADING UPON REQUEST

X39

GALVANIZED NIPPLES

PRICING INFORMATION

PIPE SIZE (IN.)	4" Price Per 100 $	4" Lbs Per 100	5" Price Per 100 $	5" Lbs Per 100	6" Price Per 100 $	6" Lbs Per 100	8" Price Per 100 $	8" Lbs Per 100	10" Price Per 100 $	10" Lbs Per 100	12" Price Per 100 $	12" Lbs Per 100
½"	109.25	26	122.23	33	145.96	40	254.02	54	291.19	68	334.58	82
¾"	127.33	34	146.37	43	160.15	52	302.64	73	338.17	89	379.98	109
1"	182.41	49	206.80	64	226.07	78	356.49	109	460.26	138	522.59	166
1 ¼"	223.74	66	259.15	84	291.64	100	477.50	136	600.79	176	699.51	216
1 ½"	283.46	80	318.01	103	390.94	122	597.99	170	719.30	216	780.34	260
2"	369.80	103	431.52	132	493.36	160	711.73	220	852.37	285	970.55	335
2 ½"	751.88	150	888.68	197	1008.59	240	1326.63	329	1540.31	422	1793.81	505
3"	913.25	200	1061.59	260	1213.17	300	1577.52	411	1864.30	528	2263.66	630
3 ½"	1111.55	240	1258.98	320	1438.90	373	1802.97	510	2190.94	655	2549.25	785
4"	1247.94	285	1463.26	380	1634.21	440	2036.53	600	2504.84	775	2994.55	925
5"			2621.84	480	2972.01	600	3388.57	825	3972.73	1055	4812.31	1260
6"			3267.53	660	3605.71	820	4207.22	1125	5258.13	1440	5842.26	1720

NIPPLES LONGER THAN 12" LENGTHS OR SPECIAL THREADING UPON REQUEST

N.E.C., INC.
HOUSTON, TEXAS

UL LISTED

X.31

LARGE RADIUS ELBOWS GALVANIZED

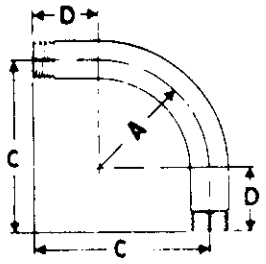
RADIUS	15"		18"		24"		30"		36"		48"	
PIPE SIZE (IN.)	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.
1"	25.98	6	26.24	6	30.71	8	34.24	9	40.53	10	51.03	13
1 ¼"	30.42	7	31.06	9	36.28	11	44.33	12	49.51	14	61.86	18
1 ½"	31.34	9	36.27	10	42.81	13	51.64	15	62.17	17	73.69	21
2"	38.37	12	45.63	14	55.93	17	65.66	20	75.74	22	95.22	29
2 ½"	53.32	19	63.05	21	76.21	26	88.83	31	103.81	35	130.60	45
3"	70.51	25	79.57	28	100.26	35	116.51	41	136.66	46	171.42	59
3 ½"	STD RAD		112.49	34	132.55	42	152.38	49	177.99	55	224.20	71
4"			125.69	40	148.42	49	170.97	58	199.35	65	275.02	84
5"					STD RAD		229.13	77	321.37	87	405.29	112
6"							STD RAD		353.08	121	434.90	156

X.38

LARGE RADIUS ELBOWS EMT

RADIUS	15"		18"		24"		30"		36"		48"	
PIPE SIZE (IN.)	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.
1 ½"	30.05	4	32.39	4	42.69	5	47.85	6	53.00	7	65.54	9
2"			38.19	6	46.81	7	55.00	8	63.26	9	79.47	12
2 ½"							78.25	12	86.61	13	108.27	18
3"					82.61		97.19	15	114.05	16	143.07	21
3 ½"							151.40	19	158.20	22	199.28	28
4"					130.97		145.52	21	158.82	24	221.45	31

ELBOWS WITH A RADIUS LARGER THAN SHOWN AVAILABLE UPON SPECIAL REQUEST



DIMENSIONS OF SPECIAL LARGE RADIUS 90° ELBOWS

on PIPE SIZES	1"-2½" Incl.	1"-3" Incl.	1"-4" Incl.	1"-4" Incl.	1"-5" Incl.	1"-6" Incl.	1"-6" Incl.	1"-6" Incl.
when Radius "A" is	12"	15"	18"	24"	30"	36"	42"	48"
Offset "C" is	1'-9"	2'-0"	2'-4"	2'-11"	3'-5"	3'-11"	4'-6"	5'-0"
Straight End "D" is	9"	9"	10"	11"	11"	11"	12"	12"
Length Unbent is	3'-0"	3'-6"	4'-0"	4'-11"	5'-9"	6'-6"	7'-6"	8'-4"

N.E.C., INC.
HOUSTON, TEXAS

UL LISTED

X.44

ELBOWS - ALUMINUM 90 & 45 DEGREE

X.44

ALUMINUM COUPLINGS

PIPE SIZE (IN.)	LIST PRICE PER 100 $	STND CRTN	WEIGHT PER CRTN	WEIGHT PER 100	MIN RADIUS	PRICE PER 100 $	STND CRTN	WT 100
½"	491.21	50	13	26	4"	161.77	100	6
¾"	667.32	50	18	36	4 ½"	244.78	50	9
1"	929.86	20	13	63	5 ½"	322.93	30	13
1 ¼"	1478.24	20	20	101	7 ¼"	394.70	0 25	19
1 ½"	1966.46	20	28	140	8 ¼"	456.09	7 25	23
2"	2894.56	10	23	230	9 ½"	647.68	4 20	35
2 ½"	4878.80	100	100	408	10 ½"	1458.73	7 24	68
3"	7535.94	50	160	641	13"	1903.30	7 16	91
3 ½"	11753.39	35	223	893	15"	2614.93	1 12	108
4"	13936.10	25	278	1114	16"	3148.17	6 10	142
5"	38036.61	B	B	2472	24"	7972.84	8 BULK	242
6"	52626.78	B	B	3872	30"	12444.16	8 BULK	320

30 & 60 DEGREE ELBOWS AVAILBLE – ADD 10% TO ABOVE PRICES

X.44

LARGE RADIUS ELBOWS ALUMINUM

	15"		18"		24"		30"		36"		48"	
PIPE SIZE (IN.)	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.	Price Per ea. $	Lbs Per ea.
1"	42.91	2	53.21	2	64.00	3	71.28	3	84.27	4	106.03	5
1 ¼"	50.89	2	63.11	3	75.63	4	86.38	4	102.93	5	128.55	6
1 ½"	62.92	3	76.90	4	90.46	5	105.56	5	122.99	6	155.18	8
2"	79.68	4	94.82	5	116.81	6	134.64	7	156.90	8	197.76	10
2 ½"	106.60	7	128.55	8	155.53	9	181.39	11	211.66	12	266.21	16
3"	142.03	9	163.46	10	206.38	12	239.63	14	281.01	16	352.39	21
3 ½"	STD RAD		242.29	12	285.53	14	341.29	17	383.41	19	483.24	25
4"			270.25	14	319.25	17	367.67	20	428.59	23	593.96	29
5"					STD RAD		576.28	29	675.57	32	851.13	42
6"							STD RAD		724.01	42	913.37	54

ELBOWS WITH A RADIUS LARGER THAN SHOWN AVAILABLE UPON REQUEST

N.E.C., INC.
HOUSTON, TEXAS

UL LISTED

X44

ALUMINUM NIPPLES

PRICING INFORMATION

PIPE SIZE (INC.)	CLS LGN (IN.)	CLOSE Price Per 100 $	Lbs Per 100	1 ½" Price Per 100 $	Lbs Per 100	2" Price Per 100 $	Lbs Per 100	2 ½" Price Per 100 $	Lbs Per 100	3" Price Per 100 $	Lbs Per 100	3 ½" Price Per 100 $	Lbs Per 100
½"	1 1/8"	188.43	2	193.66	3	208.70	4	247.66	5	261.49	7	282.48	8
¾"	1 3/8"	253.28	3	264.55	3	275.08	5	291.61	7	315.67	6	327.64	10
1"	1 ½"	310.67	4			344.11	7	376.11	8	405.03	12	460.12	14
1 ¼"	1 5/8"	416.09	7			425.72	10	467.62	13	529.84	16	603.14	20
1 ½"	1 ¾"	517.49	10			533.56	12	567.32	16	644.78	20	809.45	24
2"	2"	664.87	16					712.50	22	797.02	27	919.35	32
2 ½"	2 ¼"	1335.31	22							1444.44	30	1603.13	39
3"	2 5/8"	1460.36	24							1640.52	42	1976.37	53
3 ½"	2 ½"	1865.15	42										
4"	2 7/8"	2329.54	51										
5"	3"	5023.97	71										
6"	3 1/8"	6264.12	105										

NIPPLES LONGER THAN 12' LENGTHS OR SPECIAL THREADING UPON REQUEST

X44

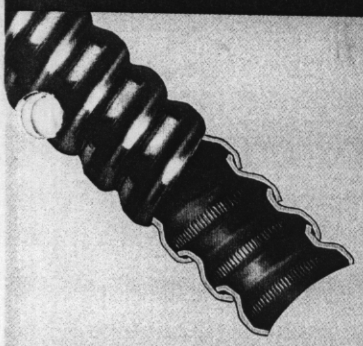
ALUMINUM NIPPLES

PRICING INFORMATION

RADIUS / PIPE SIZE (IN.)	4" Prcie Per 100 $	Lbs Per 100	5" Price Per 100 $	Lbs Per 100	6" Price Per 100 $	Lbs Per 100	8" Price Per 100 $	Lbs Per 100	10" Price Per 100 $	Lbs Per 100	12" Price Per 100 $	Lbs Per 100
½"	302.52	9	346.71	12	365.86	14	491.82	19	595.85	24	688.29	29
¾"	345.79	12	413.63	15	469.48	18	618.28	25	723.45	31	887.92	38
1"	500.21	16	591.27	21	698.16	26	866.91	36	1089.14	45	1290.96	55
1 ¼"	662.25	23	779.94	29	903.76	36	1150.99	49	1403.15	62	1645.64	75
1 ½"	813.50	28	932.50	36	1076.93	44	1385.53	59	1689.33	74	1978.91	90
2"	979.46	38	1170.61	48	1350.64	58	1725.57	76	2101.86	100	2482.76	120
2 ½"	1698.60	47	1916.24	64	2103.14	80	2659.93	114	3219.07	148	3740.79	180
3"	2039.49	64	2329.99	86	2673.76	108	3403.42	152	4145.28	198	4864.79	240
3 ½"	2505.22	75	2830.83	101	3264.37	128	4063.92	180	5021.59	234	5863.35	266
4"	2930.66	87	3351.95	118	3886.23	149	4935.28	212	5995.32	274	7030.60	336
5"			6096.28	155	6174.99	197	7871.84	281	9453.39	366	10867.94	450
6"			7670.13	208	8258.29	263	10528.50	372	12641.99	481	13929.32	591

NIPPLES LONGER THAN 12' LENGTHS OR SPECIAL THREADING UPON REQUEST

BR



REDUCED WALL STEEL

Catalog No.	Trade Size	I.D. Min.	I.D. Max.	O.D. Min.	O.D. Max.	Minimum Inside Bend Radius	Wt. lbs. Per 100 ft.
BR 10	3/8"	.375	.393	.560	.610	2.0"	18
BR 11	1/2"	.625	.645	.860	.920	3.0"	28
BR 12	3/4"	.812	.835	1.045	1.105	4.0"	33
BR 13	1"	1.000	1.040	1.300	1.380	5.0"	52
BR 14	1 1/4"	1.250	1.300	1.550	1.630	6.25"	65
BR 15	1 1/2"	1.500	1.575	1.850	1.950	7.5"	80
BR 16	2"	2.000	2.080	2.350	2.450	10.0"	99
BR 17	2 1/2"	2.500	—	2.860	3.060	12.5"	150
BR 18	3"	3.000	—	3.360	3.560	15.0"	180
BR 350	3 1/2"	3.500	—	3.860	4.060	17.5"	220
BR 19	4"	4.000	—	4.360	4.560	20.0"	270

BR

General purpose flexible metal conduit (Greenfield) has universal wiring applications.

Material: Steel
Trade Sizes: 3/8"-4"

Steel
Reduced Wall
Flexible Metal Conduit

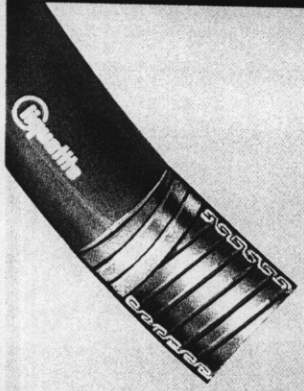
X.10

BR

UL LISTED

Catalog No.	Electrical Trade Size	Feet Per Carton	Feet Per Reel	Approx. Wt. (Lbs.) Per 100 Feet	NET PRICES - PER HUNDRED FEET		
					Less Than Standard Coil	Standard Coil to 4999'	5000' & Over
BR-10	3/8"	25/50/100	1000	18	$ 34.00	$ 27.00	$ 22.00
BR-11	1/2"	25/50/100	1000	28	$ 46.00	$ 36.00	$ 30.00
BR-12	3/4"	25/50/100	500	33	$ 60.00	$ 47.00	$ 39.00
BR-13	1"	50	400	52	$ 118.00	$ 93.00	$ 77.00
BR-14	1 1/4"	50	400	65	$ 152.00	$ 120.00	$ 99.00
BR-15	1 1/2"	25	300	80	$ 194.00	$ 154.00	$ 127.00
BR-16	2"	25	150	99	$ 280.00	$ 222.00	$ 183.00
BR-17	2 1/2"	25	-	150	$ 331.00	$ 263.00	$ 216.00
BR-18	3"	25	-	180	$ 416.00	$ 330.00	$ 272.00
BR-350	3 1/2"	25	-	220	$ 513.00	$ 407.00	$ 335.00
BR-19	4"	25	-	270	$ 634.00	$ 502.00	$ 414.00

LA



Catalog No.	Trade Size	I.D. Min.	I.D. Max.	O.D. Min.	O.D. Max.	Minimum Inside Bend Radius	Wt. lbs. Per 100 ft.
LA 10	3/8"	.484	.504	.690	.710	2.0"	29
LA 11	1/2"	.622	.642	.820	.840	3.0"	39
LA 12	3/4"	.820	.840	1.030	1.050	4.2"	53
LA 13	1"	1.041	1.066	1.290	1.315	5.5"	82
LA 14	1 1/4"	1.380	1.410	1.630	1.660	7.0"	102
LA 15	1 1/2"	1.575	1.600	1.865	1.900	4.5"	104
LA 16	2"	2.020	2.045	2.340	2.375	6.0"	145
LA 17	2 1/2"	2.480	2.505	2.840	2.875	8.0"	192
LA 18	3"	3.070	3.100	3.460	3.500	10.0"	252
LA 350	3 1/2"	3.500	3.540	3.960	4.000	11.0"	308
LA 19	4"	4.000	4.040	4.460	4.500	12.0"	340

UL LISTED

CSA CERTIFIED

DUAL LISTED

Certified by Canadian Standards Association and Listed by Underwriters Laboratories, Electri-Flex Type LA offers outstanding protection for extremely wet and oily locations. This conduit has a continuous copper ground build into the core for sizes 3/8" through 1-1/4" (sizes 1-1/2" through 4" must be installed using a separate ground wire to conform to the provisions of Article 351A of the NEC® .) Generally applicable temperature range from –20°C to +60°C, intermitting to +90°C.

LA

National Electrical Code® and NEC® are Registered Trademarks of the National Fire Protection Association, Inc., Quincy, MA 02269.

liquatite® Flexible Conduit
A PRODUCT OF ELECTRI-FLEX COMPANY
ROSELLE, ILLINOIS 60172

CSA CERTIFIED X,30 LA UL LISTED

Dual Listed

Catalog No.	Electrical Trade Size	Feet Per Carton	Feet Per Reel	Approx. Wt. (Lbs.) Per 100 Feet	NET PRICES - PER HUNDRED FEET Less Than Standard Coil	Standard Coil to 4999'	5000' & Over
LA-10	3/8"	100	500/1000	29	$ 233.00	$ 184.00	$ 152.00
LA-11	1/2"	100	500/1000	32	$ 271.00	$ 215.00	$ 177.00
LA-12	3/4"	100	500/1000	53	$ 383.00	$ 304.00	$ 250.00
LA-13	1"	100	400	82	$ 586.00	$ 465.00	$ 383.00
LA-14	1 1/4"	50	200	102	$ 823.00	$ 653.00	$ 538.00
LA-15	1 1/2"	50	150	104	$ 862.00	$ 683.00	$ 563.00
LA-16	2"	50	100	145	$ 1,070.00	$ 848.00	$ 699.00
LA-17	2 1/2"	25	275	192	$ 1,909.00	$ 1,513.00	$ 1,247.00
LA-18	3"	25	175	252	$ 2,702.00	$ 2,142.00	$ 1,765.00
LA-350	3 1/2"	25	175	308	$ 4,433.00	$ 3,515.00	$ 2,983.00
LA-19	4"	25	100	340	$ 3,811.00	$ 3,022.00	$ 2,490.00

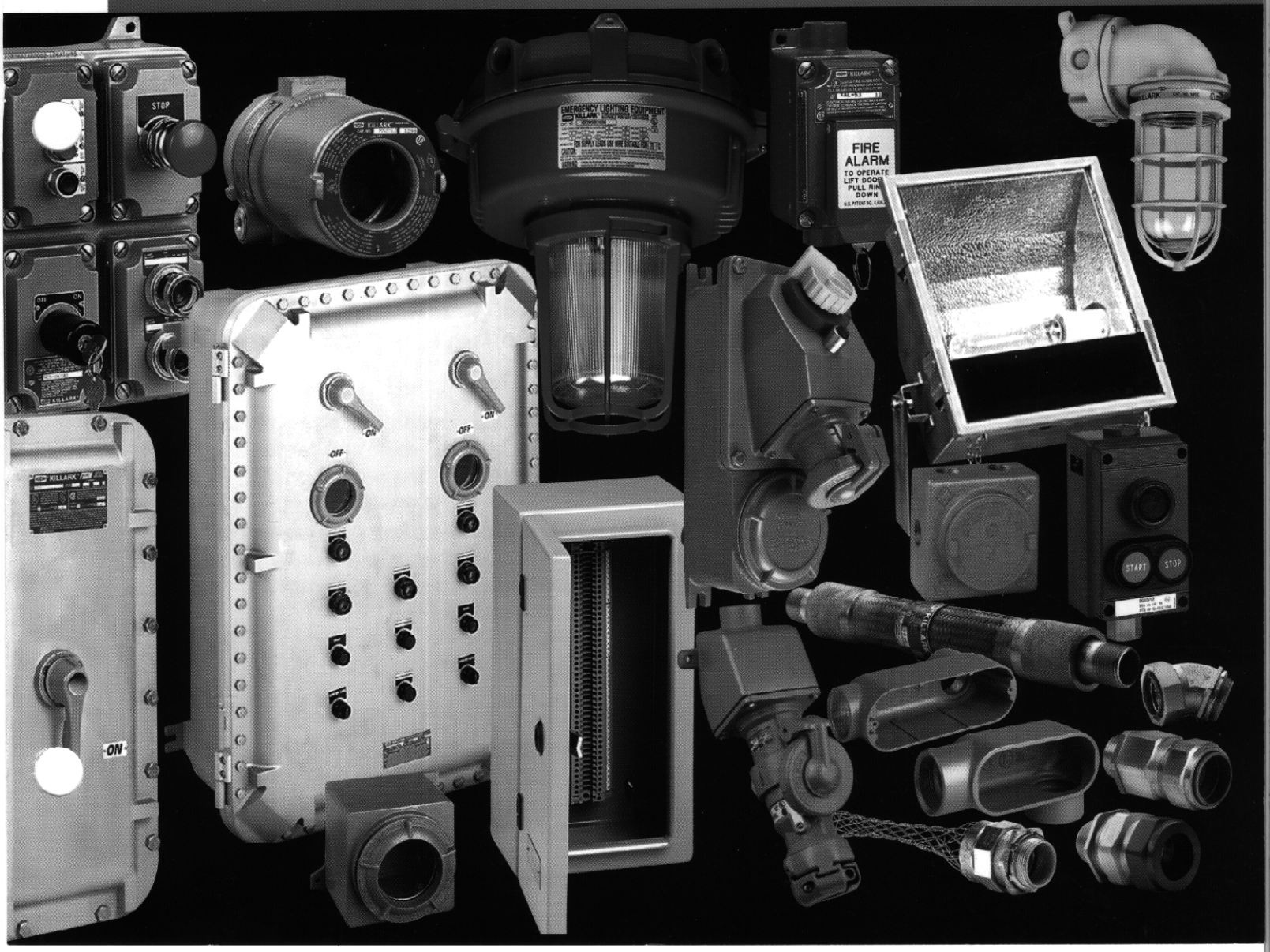
Standard Colors: Machine Tool Gray and Black

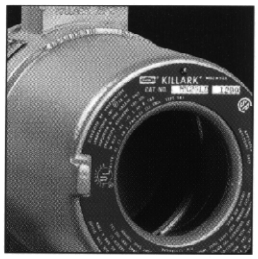
HUBBELL®

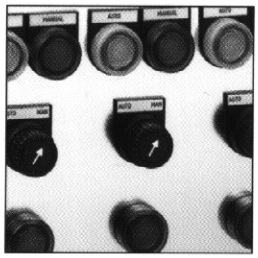
KILLARK®

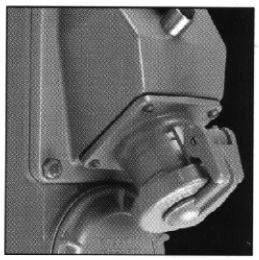
Electrical Construction Products For Standard, Harsh and Hazardous Locations

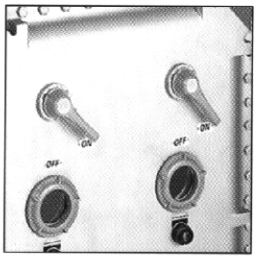
CATALOG-2001

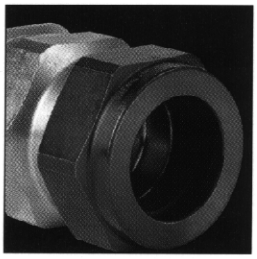


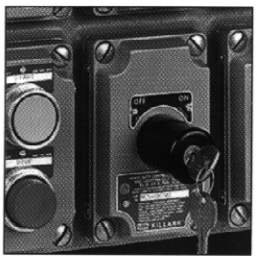


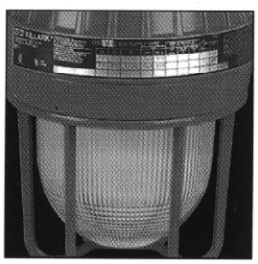












INNOVATIVE THINKING HAS MADE US AN INDUSTRY LEADER.

At Killark we are committed to on-time, error-free deliveries of products that meet the highest level of customer expectations. With over 85 years of extensive experience Killark is a leading manufacturer of weatherproof, harsh and hazardous location products suitable for standard, explosion proof and other hostile and adverse environment applications. These products include conduit raceway fittings, junction boxes, enclosures, lighting fixtures, plugs & receptacles, standard and custom controls. Killark is a major participant in the OEM, commercial and industrial construction and MRO segments of both the domestic and international electrical construction materials market.

As a division of Hubbell since 1985, increased levels of capital have funded major new product initiatives and have enabled Killark to compete across the entire spectrum of electrical construction products on a global basis. With Hubbell's 1998 acquisition of Chalmit Lighting, the company is now the leading manufacturer of floodlighting for hazardous locations globally.

Hubbell has Codes & Standards representatives in the US, Canada, Mexico and Europe, enabling Killark/Chalmit to be at the forefront of Global Harmonization. These efforts enable the most cost competitive solutions to user requirements regardless of the destination of the installation.

Today Killark is known for individual customer solutions to complex hazardous location requirements. Utilization of existing designs coupled with value added engineering enables lower total installed cost systems with a lifetime of savings.

Comprehensive lab capabilities allow R&D efforts to support new product development as well as user defined requirements. Together with our Total Quality Management Program and ISO 9001 certification means we are dedicated to meeting your needs, whether it's engineering a new product or on-time delivery.

A4802 UL REGISTERED FIRM ISO 9001

KILLARK

Outside the USA Killark operates through Hubbell sales offices in Canada, Mexico, Great Britain, Holland, the United Arab Emirates, Turkey, Singapore, Malaysia, Hong Kong, Korea, and Taiwan. Killark also has sales representatives in Venezuela, Columbia, and Australia.

All data within this catalog is subject to change without notice.

Introduction

About this catalog
This Killark catalog is organized to help you quickly locate product and application information. Each product section begins with a contents page that lists all the items in the section. Tabs are located on the edge of each right hand page. The Table of Contents is listed below.

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HUBBELL
KILLARK

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B7CF-SMAL-62600	DE5
B7CF-SMAL-62700	DE5
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B7E2SS	C66
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C18	F11
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C28	F11
C37	F7
C37SA	F7
C38	F11
C448	F11
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C47SA	F7
C57	F7
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C68	F11

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C87SA	F7
C88	F11
C97	F7
C97SA	F7
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CBH-118	E26
CBH-120	E26
CBH-12S	E26
CBH-1P	E26
CBH-20S	E26
CBH-213	E26
CBH-215	E26
CBH-216	E26
CBH-310S	E26
CBH-316	E26
CBH-320S	E26
CBH-38S	E26
CBH-3P	E26
CBH-4P	E26
CBH-5P	E26
CBH-6S	E26
CBH-8S	E26
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X17	F7
X17SA	F7
X18	F14
X27	F7
X27SA	F7
X28	F14
X37	F7
X37SA	F7
X38	F14
X448	F14
X47	F7
X47SA	F7
X57	F7
X57SA	F7
X58	F14
X-60	C40
X-61	C56
X-62	C56
X-64	C40
X67	F7
X67SA	F7
X68	F14
X-83	C56
X-84	C56
X-85	C56
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XAL-53	C44
XALB-4	F57
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XB-10126	E17
XB-12126	E17
XB-12128	E17
XB-12168	E17
XB-12245	E17
XB-12248	E17
XB-444	E17
XB-464	E17
XB-664	E17
XB-684	E17
XB-8106	E17
XB-884	E17
XB-886	E17
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XC-3	F57
XCS-0A15	C36
XCS-0A8	C35
XCS-0A9	C35
XCS-0B1	C35
XCS-0B13-C	C36
XCS-0B13-O	C36
XCS-0B13-U	C36
XCS-0B2	C35
XCS-0B24-CL	C36
XCS-0B24-GL	C36
XCS-0B24-RL	C36
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XCS-0B30-CL	C36
XCS-0B30-GL	C36
XCS-0B30-RL	C36
XCS-0B30RL-GL	C36
XCS-0B30-RL-GL	C36
XCS-0B4	C35
XCS-0B4-U	C35
XCS-0B5	C35
XCS-0B7	C35
XCS-0K2A1	C37
XCS-0K2A5	C37
XCS-0K2L3F22D	C39
XCS-0K3C4	C37
XCS-0K3C5	C37
XCS-0K3L6G32D	C39
XCS-0K3M6G32D	C39
XCS-0K3R6G32D	C39
XCS-0MRM3	C35
XCS-0S2A1	C37
XCS-0S2A5	C37
XCS-0S2L3F	C38
XCS-0S3C4	C37
XCS-0S3C5	C37
XCS-0S3L6G	C38
XCS-0S3M6G	C38
XCS-0S3R6G	C38
XCS-16B159-RL	C40
XCS-16B17-RL	C40
XCS-16B185RL	C40
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XCS-1A8	C35
XCS-1A9	C35
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XCS-1B13-C	C36
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XCS-1K3C4	C36
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XCS-1S3C4	C36
XCS-2A15	C36
XCS-2A8	C35
XCS-2A9	C35
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XCS-2B7	C35
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XCS-42K3M6G32D	C39
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XCS-42S3M6G	C38
XCS-42S3R6G	C38
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XCS-45K3R6G32D	C39
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XCS-5B7	C35
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XCS-5S2A1	C36
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XCSLED-A110	C41
XCSLED-G110	C41
XCSLED-R110	C41
XCSNPPB	C41
XCSNPPBM	C41
XCSNPPL	C41
XCSNPSS2	C41
XCSNPSS3	C41
XDBB	C41
XDBG	C41
XDBR	C41
XDS000C	DE9
XDS-2003	DE9
XDS-2003A	DE9
XECD-154A1	DE2
XECD-154A2	DE2
XECD-204A1	DE2
XECD-204A2	DE2
XECD-304A1	DE2
XECD-304A2	DE2
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XECD-4A	DE2
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XECF-904A2	DE2
XECF-904A3	DE2
XECF-906A2	DE2
XECF-906A3	DE2
XEDS-100	DE9
XEDS-100A	DE9
XEDS-100AA	DE9
XEDS-30	DE9
XEDS-30A	DE9
XEDS-30AA	DE9
XEDS-60	DE9
XEDS-60A	DE9
XEDS-60AA	DE9
XEDS-A	DE9
XEDS-B	DE9
XFH-21	L145
XFH-22	L145
XHL-100	L16
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XHLF26-50KP	L16
XHLG	L16
XHL-GL	L16
XHLS	L16
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XJB-12196	E19
XJB-12198	E19
XJB-12246	E19
XJB-12248	E19
XJB-12326	E19
XJB-12328	E19
XJB-161610	E19
XJB-16166	E19
XJB-16168	E19
XJB-162410	E19
XJB-16246	E19
XJB-16248	E19
XJB-163210	E20
XJB-16326	E19
XJB-16328	E20
XJB-164810	E20
XJB-164812	E20
XJB-16488	E20
XJB-202410	E20
XJB-20248	E20
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XJB-204010	E20
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XJB-242411	E20
XJB-242413	E20
XJB-242416	E20
XJB-24246	E20
XJB-24248	E20
XJB-306616	E21
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XJB-5105	E18
XJB-5106	E18
XJB-5133	E18
XJB-5135	E18
XJB-5136	E18
XJB-6104	E18
XJB-6105	E18
XJB-6106	E18
XJB-8104	E18
XJB-8105	E18
XJB-8106	E19
XJB-8136	E19
XJB-8156	E19
XJB-8158	E19
XJB-81810	E19
XJB-8186	E19
XJB-8188	E19
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XLL-2	F57
XLL-3	F57
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XLR-3	F57
XLRT-21	F57
XLRT-22	F57
XMSW-00T	C73
XMSW-0BT	C73
XMSW-0CT	C73
XMSW-1BT	C73
XMSW-1CT	C73
XMSW-DBT	C73
XO1AG	C41
XO1AK	C41
XO1AR	C41
XO1BG	C41
XO1BK	C41
XO1BR	C41

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XO21BA	C41
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XO21BG	C41
XO21BR	C41
XO3AG	C41
XO3AK	C41
XO3AR	C41
XO3BG	C41
XO3BK	C41
XO3BR	C41
XO5BG	C41
XO5BK	C41
XO5BR	C41
XOAP	C41
XOBP	C41
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XS-11D	C42
XS-12C	C42
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XS-13C	C42
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XS-16C	C42
XS-18C	C42
XS-1C	C42
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XS-21C	C42
XS-21D	C42
XS-22C	C42
XS-22D	C42
XS-23C	C42
XS-25C	C42
XS-26C	C42
XS-28C	C42
XS-2C	C42
XS-2D	C42
XS-3C	C42
XS-41C	C42
XS-41D	C42
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XS-42D	C42
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XSX-3	C71
XSX-42	C71
XSX-43	C71
XSX-52	C71
XSX-53	C71
XT-1	F57
XT-2	F57
XT-3	F57
XTA-14WR2B62-1	C40
Y-1	F64
Y-1M	F64
Y-2	F64
Y-2M	F64
Y-3	F64
Y-3M	F64
Y-4	F64
Y-4M	F64
Y-5	F64
Y-5M	F64
Y7000BH	C68
Y7000BS	C68
Y7000ZH	C68
Y7000ZS	C68
Y7001BH	C68
Y7001BS	C68
Y7001ZH	C68
Y7001ZS	C68
Y7002BH	C68
Y7002BS	C68
Y7002ZH	C68
Y7002ZS	C68
Y7010BH	C68
Y7010BS	C68
Y7010DH	C68
Y7010DS	C68
Y7010KH	C68
Y7010KS	C68
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Y7020BHVX	C69
Y7020BSVA	C69
Y7020BSVV	C69
Y7020BSVX	C69
Y7020DHVA	C69
Y7020DHVX	C69
Y7020DSVA	C69
Y7020DSVX	C69
Y7020KHVV	C69
Y7020KHVX	C69
Y7020KSVV	C69
Y7020KSVX	C69
Y7020ZHVZ	C69
Y7020ZSVZ	C69
Y7021BHVA	C69
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Y7021BSVA	C69
Y7021BSVC	C69
Y7021DHVC	C69
Y7021DSVC	C69
Y7021KHVC	C69
Y7021KSVC	C69
Y7021ZHVZ	C69
Y7021ZSVZ	C69
Y7022BHVE	C69
Y7022BHVG	C69
Y7022BSVE	C69
Y7022BSVG	C69
Y7022DHVE	C69
Y7022DHVG	C69
Y7022DSVE	C69
Y7022DSVG	C69
Y7022KHVE	C69
Y7022KSVE	C69
Y7022ZHVZ	C69
Y7022ZSVZ	C69
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YOKK-10286	C57
YOKK-10291	C57
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YOSD-A.49	C72
YOSD-A.54	C72
YOSD-A.59	C72
YOSD-A.65	C72
YOSD-A.71	C72
YOSD-A.78	C72
YOSD-A.86	C72
YOSD-A.95	C72
YOSD-A1.02	C72
YOSD-A1.16	C72
YOSD-A1.25	C72
YOSD-A1.39	C72
YOSD-A1.54	C72
YOSD-A1.63	C72
YOSD-A1.75	C72
YOSD-A1.86	C72
YOSD-A1.99	C72
YOSD-A11.0	C72
YOSD-A11.9	C72
YOSD-A13.2	C72
YOSD-A14.1	C72
YOSD-A14.8	C72
YOSD-A16.2	C72
YOSD-A17.9	C72
YOSD-A19.8	C72
YOSD-A2.15	C72
YOSD-A2.31	C72
YOSD-A2.57	C72
YOSD-A2.81	C72
YOSD-A21.3	C72
YOSD-A25.2	C72
YOSD-A3.61	C72
YOSD-A3.95	C72
YOSD-A4.32	C72
YOSD-A4.79	C72
YOSD-A5.30	C72
YOSD-A5.78	C72
YOSD-A6.20	C72
YOSD-A6.99	C72
YOSD-A7.65	C72
YOSD-A8.38	C72
YOSD-A9.25	C72
YOSD-A9.85	C72
YOSY120MB	C57
YOSY24MB	C57
YOSY28MB	C,N/L
YOWE1F0890	C41
YOWE1F0894	C41
YOWE-257A574G01	C73
YOWEA200-FH03	C73
YOWEA200-FH04	C73
YOWEA200-FH05	C73
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YOWEOT2D	C,N/L
ZE-123	F80
ZE-135	F80
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ZE-167	F80
ZE-223	F80
ZE-235	F80
ZE-256	F80
ZE-267	F80
ZE-278	F80
ZN102	F71
ZN102CR	F73
ZN102CR-EX	F77
ZN102CR-EX-MG	F78
ZN102-EX	F75
ZN103	F71
ZN103CR	F73
ZN103CR-EX	F77
ZN103CR-EX-MG	F78
ZN103-EX	F75
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ZN209CR-EX-MG	F78
ZN209-EX	F75
ZN209-EX-MG	F76
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ZN210	F71
ZN210CR	F73
ZN210CR-EX	F77
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ZN210-EX	F75
ZN210-EX-MG	F76
ZN210-MG	F72
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ZN310CR-EX	F77
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ZN311CR	F73
ZN311CR-EX	F77
ZN311CR-EX-MG	F78
ZN311-EX	F75
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ZN312CR	F73
ZN312CR-EX	F77
ZN312-CR-EX-MG	F78
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ZN313-EX	F75
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ZN415	F71
ZN415-EX	F75
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2GCBB-15Q13	DE22
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2GCBB-20Q13	DE22
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HAZARDOUS (CLASSIFIED) LOCATIONS

Hazardous locations are those locations where fire or explosion hazards may exist due to flammable gases or vapors, flammable liquids, combustible dust, or ignitible fibers or flyings. Although flammable gases and vapors, and combustible dusts, exist almost everywhere, they are usually present only in minute quantities, much less than necessary for a fire or explosion hazard to exist. Thus, the presence of a flammable gas or vapor, or combustible dust, does not in itself define a hazardous location. These materials must be present in sufficient quantities (concentrations) to present a potential explosion hazard.

Locations where there is an explosion hazard because of the presence of high explosives, such as blasting agents and munitions, are not classified as hazardous locations. There are standards covering the handling and use of such materials, and some of these require electrical equipment suitable for use in hazardous locations. This is because such equipment provides a greater degree of safety than ordinary location or general purpose equipment, not because such equipment has been tested for use in the presence of high explosives.

In a like manner, locations made hazardous because of the presence of pyrophoric materials, such as some phosphorous compounds and finely divided metal powders are not classified as hazardous locations. Pyrophoric is defined in the dictionary as "igniting spontaneously" or "emitting sparks when scratched or struck, especially with steel". Where pyrophoric material or high explosives are present, precautions beyond those in the electrical codes are necessary.

UNDERSTANDING "GLOBAL" HAZARDOUS LOCATIONS

The evolution of hazardous location electrical codes and standards throughout the world has taken two distinct paths. In North America, a "Class, Division" System has been used for decades as the basis for area classification of hazardous (classified) locations. Because the hazards and methods of protecting electrical equipment against these hazards differ for different materials, hazardous locations are divided into three Classes, and two Divisions. The Classes are based on the type of hazard and the explosive characteristics of the material with the Divisions being based on the occurance or risk of fire or explosion that the material presents. While Canada and the United States have some differences in acceptable wiring methods and product standards, their systems are very similar.

In other parts of the world, areas containing potentially explosive atmospheres are dealt with using a "Zone System". Zones are based predominately on the International Electrotechnical Commission (IEC) and the European Committee for Electrotechnical Standardization (CENELEC) standards.

Whereas North America deals with multiple types of hazardous atmospheres, the Zone system presently addresses only flammable gases and vapors which is the equivalent to North America's Class I locations. The most significant difference between the Zone system is that the level of hazard probability is divided into three Zones as opposed to two Divisions.

While specific requirements differ, the United States and Canada have incorporated the Zone System for Class I, hazardous locations into their recent electrical code updates. Both systems provide effective solutions for electrical equipment used in hazardous locations and both have excellent safety records.

In North America Hazardous (Classified) Locations are divided into three Classes based on the explosive characteristics of the material. The Classes of material are further divided into "Divisions" or "Zones" based on the risk of fire or explosion that the material presents. The Zone system has three levels of hazard whereas the Division system has two levels.

The table below provides a comparison between the "Class, Division" System and the "Zone" System.

HAZARDOUS MATERIAL	CLASS, DIVISION SYSTEM	ZONE SYSTEM
Gases or Vapors①	Class I, Div. 1	Zone 0 & Zone 1
	Class I, Div. 2	Zone 2

① *The United States and Canada have adopted Zones for Gases and Vapors.*

HAZARDOUS (CLASSIFIED) LOCATIONS

CLASS I LOCATIONS

Class I locations are those in which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitible mixtures.

The term "gases or vapors" is used because of common usage in the English language. The term "gases" is commonly used to refer to materials that are in a gaseous state under normal atmospheric conditions, such as hydrogen and methane. The term "vapors" refers to the gases over a material that is a liquid under normal atmospheric conditions (such as gasoline) but which emits gases within the flammable range under these same atmospheric conditions.

CLASS I, DIVISIONS 1 AND 2 GROUPS A, B, C, AND D LOCATIONS

General

The subdivision of Class I into two divisions identifies the likelihood or risk that an ignitible concentration of gases or vapors will be in the location. Division 1 identifies locations where the risk is high or medium. Division 2 identifies locations where there is a small but still finite risk. If the risk is extremely low,

the location is not considered a hazardous location. Such a location is typified by a single family home with natural gas or propane as the energy source for heating. The gas could, and on extremely rare occasions does leak into the home, and an explosion occurs. However the risk is so low (because of the safety systems built into the gas supply and heating equipment) that such locations are not classified as a hazardous location.

Division 1

Class I, Division 1 locations are those where the explosion hazard exists under normal operating conditions. The area may be hazardous all or most of the time, or it may only be hazardous some of the time. Division 1 also includes locations where breakdown or faulty operation of electrical equipment or processes might release ignitible concentrations of flammable gases or vapors, and might also cause simultaneous failure of electrical equipment in such a way as to directly cause the electrical equipment to become a source of ignition. An example of such a location might be an area where a flammable liquid is stored under cryogenic conditions, and a leak of the extremely low temperature liquid directly onto electrical equipment could cause failure of the electrical equipment at the same time the vapors of the evaporating liquid are within the flammable range.

Division 2

Class I, Division 2 locations are those where ignitible concentrations of flammable gases or vapors are not normally present, but could be present in the event of a fault, such as a leak at a valve in a pipeline carrying flammable liquids. Division 2 locations also often exist around Division 1 locations where there is no barrier or partition to separate the Division 1 space from a nonhazardous location, or where ventilation failure (an abnormal condition) might extend the area where flammables exist under normal conditions. Electrical equipment approved for Class I, Division 1 locations is also suitable for use in Division 2 locations.

The frequency of occurance determines the level of hazard for a location, the longer the material is present, the greater the risk.

FREQUENCY OF OCCURRENCE	CLASS, DIVISION SYSTEM	ZONE SYSTEM
Continuous	Class I, Div. 1	Zone 0
Intermittent Periodically		Zone 1
Abnormal Conditions	Class I, Div. 2	Zone 2

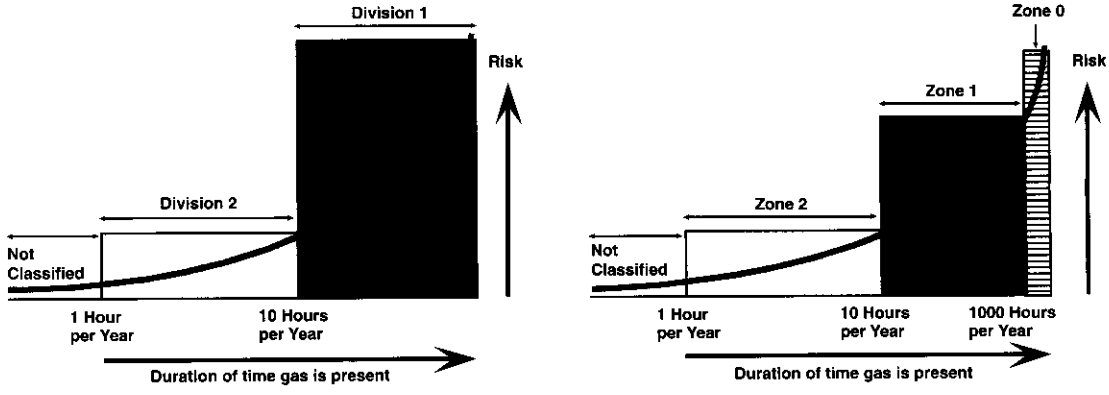
The abnormal conditions of occurrence, or lower risk areas, Division 2 and Zone 2 are basically identical in the Zone and Division system. However, in areas where a hazard is expected to occur during normal operation, Division 1 and Zone 1 and 0, the Zone system deals with highest risk areas Zone 0 separately, and risk associated with the remaining location Zone 1, is considered lower. The Division system tends to be less specific in its consideration of Division 1. The Division system treats all areas where a hazard is expected to occur in normal operation the same.

The following chart illustrates the differences between the various Zones.

GRADE OF RELEASE	ZONE	FLAMMABLE MIXTURE PRESENT
Continuous	0	1000 hours per year or more (10%)
Primary	1	Between 10 and 1000 hours per year or more (0.1% to 10%)
Secondary	2	Less than 10 hours per year (0.01% to 0.1%)
Unclassified	-	Less than 1 hour per year (Less than 0.01%) ①

This is a combination of Tables 2 and 3 from API RP505
① The 1-hour per year in API RP505 is considered to be high by some industry experts.

The illustration below compares the Division and Zone systems in terms of risk assessment.



CLASS I, GROUPS A, B, C, AND D

Class I locations are divided into groups because different materials have different explosion and ignition characteristics. The grouping permits equipment to be tested based on the type of flammable material in which it is intended to be used. It also permits area classification to be based on the type of material anticipated in that location.

The grouping is based on two major factors: the explosion pressure generated during an explosion; and the maximum gap between ground flat mating metal surfaces that will prevent propagation of an explosion through the gap to a flammable atmosphere of the same flammable material and concentration.

Group A

The highest explosion pressures of the materials grouped are generated by acetylene, the only material in Group A. Thus, explosionproof equipment designed for Group A must be very strong to withstand the explosion anticipated, and must have a very small gap between joint surfaces. Explosionproof equipment for Group A is the most difficult to design and there is less explosionproof equipment listed for this group than for any other group.

Group B

Group B materials produce explosion pressures somewhat less than acetylene, and the design of explosionproof enclosures for this group is somewhat less rigorous than for Group A enclosures. However, because of the very high explosion pressures in both Groups A and B, and, in particular, the very small gap between mating surfaces needed to prevent propagation of an explosion, there are no explosionproof motors listed for use in either Group A or B locations.

Group C

The chemical materials in Group C fall within the range between Groups B and D in both the explosion pressures generated and the gap between mating surfaces of explosion proof equipment that will prevent an explosion.

Group D

Group D is the most common group encountered in the field, and there is more equipment available for this group than for any other group.

There is no consistent relationship between such properties as ignition temperature, flash point, and flammable limits, and the Class I hazardous location group into which the various materials fall.

TYPICAL GAS	CLASS, DIVISION GAS GROUPS	ZONE GAS GROUPS
Acetylene	A	IIC
Hydrogen	B	IIC
Ethylene	C	IIB
Propane	D	IIA
Methane	D	IIA

CLASS I, ZONES 0, 1 AND 2, GROUPS IIC,IIB, AND IIA, LOCATIONS

General

This method of area classification follows the international method of area classification as developed by the International Electrotechnical Commission (IEC) and European Committee for Electrotechnical Standardization (CENELEC) standards.

This zone system of classification is currently only applicable to locations with Class I gases and vapors. Like the subdivisions under Class I locations of Divisions 1 and 2 and for the same reasons, (area classification and equipment testing) hazardous locations are classified by zones instead of divisions.

Zone 0

These are locations in which ignitible concentrations of flammable gases or vapors are present continuously or for long periods of time. Zone 0 represents the most dangerous part of the Division 1 classification.

There are situations where flammable liquids are stored in tanks and the vapor space above the liquid is above the upper flammable limit. If the vapor space is above the upper flammable limit most of the time, the space is not a Zone 0 location because the requirements are for "ignitible concentrations" of flammable gases or vapors (concentrations within the flammable range).

Zone 1

These locations are almost the same as Class I, Division 1 locations in the class, division system except they do not include those locations defined as Class I, Zone 0, where ignitible concentrations are present all or most of the time.

Zone 2

These locations are the same as Class I, Division 2 locations in the class, division system.

CLASS I, GROUPS IIC, IIB, AND IIA

General

In the international system of classification, Group I gas grouping is reserved for classification and equipment intended for use in underground mines. For information on electrical equipment in underground mines, see the Federal Register, regulations of the Mine Safety and Health Administration (MSHA).

Group IIC

This group is the equivalent of a combination of Class I, Groups A and B gases and vapors in the Division system. In the international system of classification, only the gap between machined flat mating surfaces, plus the igniting current (directly related to ignition energy), is considered in grouping materials. Explosion pressure is not one of the considerations. Thus, Groups A and B in the "class, division" system of classification can be grouped together in the international system. Internationally, rigid metal conduit and similar "pipe" wiring systems are not normally used in hazardous locations and thus consideration of pressure piling through a length of conduit (a major problem with acetylene) is unnecessary in the zone system. The maximum safe gap between machined flat mating surfaces is the same for Group A, and B materials.

Group IIB

This group is the equivalent to the Class I, Group C gases and vapors in the Division system.

Group IIA

This group is equivalent to the Class I, Group D gases and vapors in the Division system.

TEMPERATURE CODES (T-CODES)

Class I

The ignition temperature or auto-ignition temperature (AIT) is the minimum temperature required to initiate or cause self-sustained combustion in a substance without any apparent source of ignition. The lowest published ignition temperature should be the one used to determine the acceptability of equipment. This is of particular concern when selecting heat producing equipment such as lighting fixtures or motors which may generate sufficient heat to ignite the surrounding atmosphere.

Class I and Class II, areas use T-Codes or are subject to maximum temperature limitations as shown in the following chart. North America and the IEC are consistent in their temperature or T-Codes. However unlike the IEC, North America includes incremental values as shown below.

NORTH AMERICAN TEMP. CODES US (NEC-500) & CSA	IEC/CENELEC/US (NEC 505) TEMP. CODES	MAXIMUM TEMPERATURE	
		°C	°F
T1	T1	450	842
T2	T2	300	572
T2A		280	536
T2B		260	500
T2C		230	446
T2D		215	419
T3	T3	200	392
T3A		180	356
T3B		165	329
T3C		160	320
T4	T4	135	275
T4A		120	248
T5	T5	100	212
T6	T6	85	185

Ambient Temperature

The ambient temperature is the surrounding temperature of the environment in which a piece of equipment is installed, whether it is indoors or outdoors. Certain heat producing equipment such as lighting fixtures list a Temperature Code or T-Code at a given ambient temperature.

A heat producing product is considered acceptable for the location, provided the minimum ignition temperature of the hazardous material present and and the ambient temperature of the location do not exceed the limits set by the manufacturer. If the ambient temperature is higher than the maximum stated on the name plate, it might still be acceptable to use the product under certain conditions, provided the minimum ignition temperature of the hazardous material has not been exceeded. In all cases, consult the factory for assistance.

Operating Temperature

The rated operating temperature for hazardous (classified) products is determined by conducting laboratory test in an ambient temperature of 40° C. Products certified by the various agencies consider products certified to their standards to be suitable for different temperature ranges. The range for CSA is –50° C to +40° C, the range for UL is –25° C to +40° C, and the range for IEC and CENELEC is –20° C to +40° C.

CLASS II LOCATIONS

Class II locations are those that are hazardous because of the presence of combustible dust. Note that the dust must be present in sufficient quantities for a fire or explosion hazard to exist. The fact that there is some combustible dust present does not mean a Class II hazardous location exists. To be considered a "dust" the combustible material must exist as a finely divided solid of 420 microns (0.420 mm) or less. Such a dust will pass through a No. 40 U.S. sieve.

CLASS II, DIVISIONS 1 AND 2 GROUPS E, F, AND G LOCATIONS

General

Just as in Class I, Divisions 1 and 2, the subdivision of Class II into Divisions 1 and 2 identifies the likelihood that there will be an explosion hazard.

Division 1
A Class II, Division 1 location is one where combustible dust is normally in suspension in the air in sufficient quantities to produce ignitible mixtures, or where mechanical failure or abnormal operation of equipment or machinery might cause an explosive or ignitible dust-air mixture to be produced, and might also provide a source of ignition through simultaneous failure of electrical equipment. A Class II, Division 1 location also exists where combustible dusts of an electrically conductive nature may be present in hazardous quantities (Group E locations). The term "hazardous quantity" is intended to mean those locations where the dust may not be in suspension in the air in sufficient quantity to cause an explosion, but might have settled on electrical equipment so that the electrically conductive particles can penetrate the openings in the electrical equipment enclosure and cause an electrical failure, or where the dust can get into motor bearings and cause excessive temperatures because of bearing failure.

Division 2
A Class II, Division 2 location is one where combustible dust is not normally in the air in quantities sufficient to produce explosive or ignitible mixtures, and dust accumulations are not normally sufficient to interfere with the normal operation of electrical equipment, such as clogging ventilating openings or causing bearing failure. It includes locations where combustible dust may be in suspension in the air only as a result of infrequent malfunctioning of handling or processing equipment, and those locations where dust accumulation may be on or in the vicinity of the electrical equipment and may be sufficient to interfere with the safe dissipation of heat from the equipment, or may be ignitible by abnormal operation or failure of the electrical equipment.

Class II, Groups E, F, and G
The division into three groups in Class II locations is for the same reasons Class I locations are divided into Groups A, B, C, and D: equipment design and area classification. However, the three Class II groups are based on different characteristics than the four Class I groups because the design of dust-ignition proof equipment for Class II locations is based on different principles than the design of explosion proof equipment for Class I locations. In Class II locations the ignition temperature of the dust, the electrical conductivity of the dust, and the thermal blanketing effect the dust can have on heat-producing equipment, such as lighting fixtures and motors are the deciding factors in determining the Class II group.

Group E
Group E dusts include the metal dusts, such as aluminum and magnesium. In addition to being highly abrasive, and thus likely to cause overheating of motor bearings if the dust gets into the bearing, Group E dusts are electrically conductive. If they are allowed to enter an enclosure, they can cause electrical failure of the equipment.

Group F
The Group F dusts are carbonaceous, the primary dust in this group being coal dust. These dusts have somewhat lower ignition temperatures than the Group E dusts and a layer of a Group F dust has a higher thermal insulating value than a layer of a Group E dust, thus requiring more careful control of the temperature on the surface of the equipment. Such dusts are semi-conductive but this is not usually a factor for equipment rated 600 volts and less.

Group G
The Group G dusts include plastic dusts, most chemical dusts, and food and grain dusts. They are not electrically conductive. These dusts, in general, have the highest thermal insulating characteristics and the lowest ignition temperatures. Thus, dust-ignitionproof equipment for use in Group G atmospheres must have the lowest surface temperatures to prevent ignition of a dust layer by the heat generated within the equipment. Because of the different design characteristics, equipment suitable for Class I locations is not necessarily suitable for Class II locations, and equipment suitable for Class II locations is not necessarily suitable for Class I locations. The equipment must be approved for each class and group of location involved.

Much equipment suitable for Class I locations is also suitable for Class II locations, and is so marked, although when used in Class II locations there may be restrictions, such as lower maximum lamp wattage to maintain the lower surface temperature needed for equipment in dust atmospheres.

TYPE OF MATERIAL	GROUPS	TYPICAL MATERIALS
Electrically Conductive Dusts	E	Powdered metals such as aluminum or magnesium
Carbonaceous Dusts	F	Carbon Black, Coal Dust, Coke Dust
Agricultural Dusts	G	Grain, Flour, Sugars, Spices, Rice, Certain Polymers

In Class II areas all products must operate at temperatures as shown below based on whether they are heat producing or subject to overloading or not, and based on the Group which they fall under. Class III products in all cases must operate below 165° C.

	EQUIPMENT THAT IS NOT SUBJECT TO OVERLOADING		EQUIPMENT (SUCH AS MOTORS OR POWER TRANSFORMERS) THAT MAY BE OVERLOADED			
			NORMAL OPERATION		ABNORMAL OPERATION	
CLASS II GROUPS	°C	°F	°C	°F	°C	°F
E	200	392	200	392	200	392
F	200	392	150	302	200	392
G	165	329	120	248	165	329

CLASS III LOCATIONS

Class III locations are those that are hazardous because of the presence of easily ignitable fibers or flyings, but in which the fibers or flyings are not likely to be in suspension in the air in quantities sufficient to produce ignitible mixtures. Easily ignitible fibers and flyings present a fire but not an explosion hazard. A typical example of this type of material is the cotton lint that accumulates in the lint trap of clothes dryers. Listed clothes dryers are designed so that even if the lint ignites, the fire will be contained within the dryer enclosure.

CLASS III, DIVISIONS 1 AND 2

Division 1
This is a location where the equipment producing the ignitible fibers or flyings is located (near textile mill machinery, for example) or where the material is handled (for example, where the material is stuffed into bags).

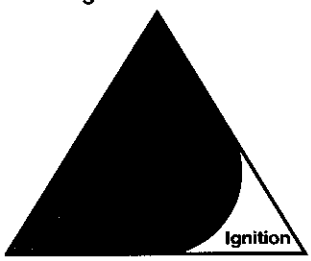
Division 2
This is a location where the easily ignitible fibers are stored or handled, except in manufacturing processes (which is Division 1).

Class III Groups
There are no groups in Class III locations.

EQUIPMENT DESIGN AND CONSTRUCTION

There are a number of ways of protecting electrical equipment so that it cannot cause an explosion when used in a surrounding flammable atmosphere, or ignite a layer of dust or fibers on the equipment. The two most common ways are explosionproof equipment in Class I, Division 1 and some Division 2 locations and dust-ignitionproof equipment in Class II, Division 1 locations. Flameproof and increased safety equipment is most common in Class I, Zone 1 locations. Intrinsically safe equipment is becoming increasingly more popular in Division 1 and Zone 1 locations. Most Killark equipment for use in hazardous locations is designed to meet the requirements for both explosionproof and dust-ignitionproof apparatus.

The Fire Triangle



In order for a fire or explosion to occur three conditions must exist. There must be a fuel (the flammable gas or vapor, or combustible dust) in ignitible quantities; there must also be an ignition source (energy in the form of heat or a spark) of sufficient energy to cause ignition; and there must be oxygen, usually the oxygen in the air.

These three conditions are called the fire triangle as shown. Remove any one or more of these three and a fire or explosion cannot occur. This is the basis of the various protection systems for electrical equipment permitted in the electrical codes for use in hazardous locations. These protection methods either contain the internal explosion or eliminate one or more of the fire triangle components necessary for an explosion to occur.

The most common methods of protection used in North America are explosionproof equipment for Class I locations, and dust-ignitionproof equipment for Class II locations. The fuel and oxygen must be in the correct mixture, too little fuel, or a lean mixture, or too much fuel, a rich mixture cannot ignite. These explosive limits are defined as "Lower Explosive Limit" (LEL) and "Upper Explosive Limit" (UEL).

TYPES OF PROTECTION

EXPLOSIONPROOF OR FLAMEPROOF TYPE "d" PROTECTION

These protection types are based on containment. The requirements for flameproof are somewhat less severe than the North American requirements for explosionproof equipment. Flameproof equipment is not permitted in Class I, Division 1 locations, and explosion proof equipment is not permitted in Class I, Zone 0 locations.

Since flammable gases and vapors are expected to be inside the enclosure the equipment design must be capable of withstanding an explosion caused by a spark at the contacts of switching devices, high temperature, or an electrical fault. The enclosure is designed so that hot gases generated during an internal explosion are cooled below the ignition temperature of the surrounding flammable atmosphere as they are transmitted through the joints of the enclosure.

In addition, the external surfaces of the enclosure must not be hot enough to ignite the surrounding atmosphere as a result of heat energy within the enclosure. This heat energy may be the result of normal operation of heat-producing equipment, or it may be the result of an electrical arc to the enclosure from an arcing ground fault.

MOULDED/ENCAPSULATED TYPE "m" PROTECTION

This type of protection is one in which the parts than can ignite an explosive atmosphere are enclosed in a resin (plastic) sufficiently resistant to environmental influences in such a way that this explosive atmosphere cannot be ignited by either sparking or heating, which may occur within the encapsulation.

INCREASED SAFETY TYPE "e" PROTECTION

This protection system is for equipment that, under normal operating conditions, does not produce ignition-capable arcs or sparks or high temperatures. It provides special increased spacing between live parts and live parts of opposite polarity or grounded metal parts, special insulating materials to reduce the likelihood of arc tracking, special terminals to reduce the likelihood of high temperatures or loose connections, and temperature control on heat producing equipment. It is widely used for protection of squirrel cage motors, terminal and connection boxes (junction boxes), and terminal boxes of flameproof equipment where the arcing contacts are in a separate enclosure connected to the increased safety enclosure by flameproof fittings. It is expected that both Underwriters Laboratories Incorporated and Factory Mutual Research Corporation, as well as Canadian Standards Association, will be listing equipment meeting these requirements for Class I, Zone 1 and Zone 2 locations for which it is approved.

INTRINSIC SAFETY OR INTRINSICALLY SAFE TYPE "ia", AND "ib" PROTECTION

There are two versions of this protection method in the "Zone" System, "ia" (2 fault) for Zone 0 and less dangerous locations, and "ib" (1 fault) for Zone 1 and 2 locations only. Additionally in the "Class, Division" System intrinsically safe equipment listed for use in Class I, Division 1 locations for the same gas group, and with a suitable temperature rating is permitted in Class I, Zone 0, 1 and 2 locations. There is no "i" marking for intrinsically safe equipment listed in the "Class, Division" System (2 fault type only).

INTRINSICALLY SAFE SYSTEMS

These are low-energy systems designed to assure safety by eliminating the ignition source leg of the fire triangle. The energy in the system is maintained below that needed to ignite the flammable atmosphere, even under fault conditions. Opening, grounding, or short-circuiting of field-installed wiring is considered a condition of normal operation in this protection technique, rather than a fault condition. The common protective device used in intrinsically safe circuits is a Zener Diode Barrier. While this type of device controls the energy going to a circuit, it does not prevent incorrectly installed products such as capacitors, which may store energy, from increasing the maximum current permitted in the system. It is important to understand that intrinsic safety is a "system approach" and that no single device provides total protection.

NON-SPARKING TYPE "nA" PROTECTION

This is protection suitable for use in Class I, Zone 2 or Division 2 locations only. It is subdivided into three categories, "nA", "nC" and "nR".

A - Non-sparking equipment.
C - Sparking equipment in which the contacts are suitably protected other than by restricted breathing.
R - Restricted breathing enclosure. This is similar to hermetically sealed however it also includes other enclosures where the rate of leaking of a flammable into the enclosure is restricted. Special leak tests are conducted on the enclosure.

HERMETICALLY SEALED TYPE "nC" PROTECTION

This protection technique is limited to Zone 2 or Division 2 locations only and works by eliminating the ignition source leg of the fire triangle. It defines "hermetically sealed" as a fusion process such as soldering, brazing, welding, or the fusion of glass to metal. So-called "hermetically sealed" relays that are sealed by use of gaskets are not included in this definition. Typical hermetically sealed devices are mercury-tube switches and reed switches.

NON-INCENDIVE EQUIPMENT TYPE "nC" PROTECTION

This is a method of protection of sparking contacts in Class I, Zone 2 or Division 2 locations. A non-incendive component is one having contacts for making or breaking an incendive circuit where the contact mechanism is constructed so that the component is incapable of igniting the specified flammable gas or vapor-air mixture. The housing of a non-incendive component is not intended to exclude the flammable atmosphere or contain an explosion.

OIL IMMERSION TYPE "o" PROTECTION

This protection technique is also limited to equipment in Division 2 and Zone 1 and 2 locations. It eliminates the ignition source leg of the fire triangle. It works because the ignition source is maintained under oil. There are provisions for assuring that there is always enough oil above the contacts to prevent ignition of a flammable atmospheres This technique is usually used for high-energy contacts, often rated over 600 volts, such as those in circuit breakers, motor controllers and other industrial control equipment. It can, however, be used for any switching device.

PURGED AND PRESSURIZED TYPE "p" PROTECTION

This is a type of protection which prevents the entry of the surrounding atmosphere into the enclosure of the electrical apparatus by maintaining a positive pressure within the enclosure of a protective gas (air, inert, or other suitable gas) at a higher pressure than the surrounding atmosphere.

Purging is the process of supplying an enclosure with a protective gas at a sufficient flow and positive pressure to reduce the concentration of any flammable gas or vapor initially present to an acceptable level. This technique can be used to change a Class I or Class II, Division 1 location into a nonhazardous location or into a Division 2 location, or to change a Class I or II, Division 2 location into a nonhazardous location. It requires a noncombustible enclosure (which may be a control room or a machine room) that is first purged of any combustibles or flammables that may be present, and is then maintained at a positive pressure sufficient to assure that combustibles or flammables cannot enter the enclosure and be ignited by electrical equipment within the enclosure. The purging may be a continuous purge or a single purge with a positive pressure maintained to make up for leaks. The pressurizing medium may be either air, commonly used in a control room where people will be working, or a nonflammable gas. In tanker ships at sea, flue gas is a common purging and pressurizing medium. In instrument enclosures in locations with corrosive atmospheres, specially processed and dried air or gas is used to protect the enclosed equipment against corrosion as well as to provide protection against ignition of exterior flammable gases and vapors, or combustible dusts.

TYPE	EXPLANATION
X	Changes the area within the unit from Division 1 to nonhazardous
Y	Changes the area within the unit from Division 1 to Division 2
Z	Changes the area within the unit from Division 2 to nonhazardous

POWDER FILLING TYPE "q" PROTECTION

This protection system is permitted in Zone 1 and 2 locations. There is no equivalent system recognized in the US NEC 500 electrical code. In this type of protection system the enclosure or the electrical apparatus is filled with a material in a finely divided granulated state so that, in the intended conditions of service, the arc occurring within the enclosure of an electrical apparatus will not ignite the surrounding atmosphere. Further, no ignition can be caused either by flame or excessive temperature of the surfaces of the enclosure. This protection system is used for protection of the components in junction boxes. It is sometimes called "sand filling".

SPECIAL PROTECTION

Some countries permit special protection systems consisting of combinations of other systems or other special systems. UL listed flashlights and lanterns for use in hazardous locations would be an example of such a special protection system.

ENVIRONMENTAL PROTECTION
NEMA ENCLOSURE TYPES AND CSA TYPES

DEFINITIONS PERTAINING TO NONHAZARDOUS LOCATIONS

The term NEMA enclosure is common in the US, although products are normally tested to a UL standard. The following are environmental protection designations, which are specified in addition to electrical or hazardous location requirements.

Type 1 Enclosures
Type 1 Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt. This type is not specifically identified in the CSA Standard.

Type 2 Enclosures
Type 2 Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.

Type 3 Enclosures
Type 3 Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and damage from external ice formation.

Type 3R Enclosures
Type 3R Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet; and damage from external ice formation.

Type 3S Enclosures
Type 3S Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and to provide for operation of external mechanisms when ice laden.

Type 4 Enclosures
Type 4 Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose directed water; and damage from external ice formation.

Type 4X Enclosures
Type 4X Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose directed water; and damage from external ice formation.

Type 5 Enclosures
Type 5 Enclosures are intended for indoor use primary to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.

Type 6 Enclosures
Type 6 Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against hose directed water, the entry of water during occasional temporary submersion at a limited depth; and damage from external ice formation.

Type 6P Enclosures
Type 6P Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth; and damage from external ice formation.

Type 12 Enclosures
Type 12 Enclosures are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.

Type 12K Enclosures
Type 12K Enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.

Type 13 Enclosures
Type 13 Enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolant.

DEFINITIONS PERTAINING TO HAZARDOUS (CLASSIFIED) LOCATIONS

The following NEMA type enclosures occasionally appear on specifications and product literature however, they are not used by CSA. These NEMA types are specific to the US only.

Type 7 Enclosures
Type 7 Enclosures are intended for indoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC®.

Type 8 Enclosures
Type 8 Enclosures are for indoor or outdoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC®

Type 9 Enclosures
Type 9 Enclosures are intended for indoor use in locations classified as Class II, Groups E, F, and G, as defined in the NEC®

Type 10 Enclosures
Type 10 Enclosures are constructed to meet the applicable requirements of the Mine Safety and Health Administration (MSHA).

- *Refer to NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts Maximum) or other third party certification standards for specific requirements for product construction, testing and performance such as Underwriters Laboratories Inc.®, Standard UL 50 "Standard for Enclosures for Electrical Equipment", and UL 886 "Outlet Boxes and Fittings for use in Hazardous (Classified) Locations".*

COMPARISON OF SPECIFIC APPLICATIONS OF ENCLOSURES FOR INDOOR NONHAZARDOUS LOCATIONS

PROVIDES A DEGREE OF PROTECTION AGAINST THE FOLLOWING ENVIRONMENTAL CONDITIONS	TYPE OF ENCLOSURE									
	1*	2*	4	4X	5	6	6P	12	12K	13
Incidental contact with the enclosed equipment	X	X	X	X	X	X	X	X	X	X
Falling dirt	X	X	X	X	X	X	X	X	X	X
Falling liquids and light splashing	—	X	X	X	X	X	X	X	X	X
Circulating dust, lint, fibers, and flyings**	—	—	X	X	—	X	X	X	X	X
Settling airborne dust, lint, fibers, and flyings**	—	—	X	X	X	X	X	X	X	X
Hosedown and splashing water	—	—	X	X	—	X	X	—	—	—
Oil and coolant seepage	—	—	—	—	—	—	—	X	X	X
Oil and coolant spraying and splashing	—	—	—	—	—	—	—	—	—	X
Corrosive agents	—	—	—	X	—	—	—	—	—	—
Occasional temporary submersion	—	—	—	—	—	X	X	—	—	—
Occasional prolonged submersion	—	—	—	—	—	—	—	—	—	—

** These enclosures may be ventilated. However, Type 1 may not provide protection against small particles of falling dirt when ventilation is provided in the enclosure top.*

*** These fibers and flyings are nonhazardous materials and are not considered as Class III type ignitable fibers or combustible flyings. For Class III type ignitable fibers or combustible flyings see the National Electrical Code®, Article 500.*

COMPARISON OF SPECIFIC APPLICATIONS OF ENCLOSURES FOR OUTDOOR NONHAZARDOUS LOCATIONS

PROVIDES A DEGREE OF PROTECTION AGAINST THE FOLLOWING ENVIRONMENTAL CONDITIONS	TYPE OF ENCLOSURE						
	3	3R***	3S	4	4X	6	6P
Incidental contact with the enclosed equipment	X	X	X	X	X	X	X
Rain, snow, sleet*	X	X	X	X	X	X	X
Sleet**	—	—	X	—	—	—	—
Windblown dust	X	—	X	X	X	X	X
Hosedown	—	—	—	X	X	X	X
Corrosive agents	—	—	—	—	X	—	X
Occasional temporary submersion	—	—	—	—	—	X	X
Occasional prolonged submersion	—	—	—	—	—	—	X

** External operating mechanisms are not required to operate when the enclosure is ice covered.*

*** External operating mechanisms are operable when the enclosure is ice covered.*

**** These enclosures may be ventilated.*

COMPARISON OF SPECIFIC APPLICATIONS OF ENCLOSURES FOR INDOOR HAZARDOUS (CLASSIFIED) LOCATIONS

PROVIDES A DEGREE OF PROTECTION AGAINST ATMOSPHERES TYPICALLY CONTAINING HAZARDOUS GASES, VAPORS, AND DUSTS***	TYPE OF ENCLOSURE NEMA 7 & 8, CLASS I GROUPS**					TYPE OF ENCLOSURE NEMA 9 & 10, CLASS II GROUPS**			
	Class	A	B	C	D	E	F	G	10
Acetylene	I	X	—	—	—	—	—	—	—
Hydrogen, manufactured gases	I	—	X	—	—	—	—	—	—
Diethyl ether, ethylene, cyclopropane	I	—	—	X	—	—	—	—	—
Gasoline, hexane, butane, naptha, propane, acetone									
Toluene, isoprene	I	—	—	—	X	—	—	—	—
Metal dusts	II	—	—	—	—	X	—	—	—
Carbon black, coal dust, coke dust	II	—	—	—	—	—	X	—	—
Flour, starch, grain dust	II	—	—	—	—	—	—	X	—
Fibers, flyings *	III	—	—	—	—	—	—	X	—
Methane with or without coal dust	MSHA	—	—	—	—	—	—	—	X

** Due to the characteristics of the gas, vapor, or dust, a product suitable for one Class or Group may not be suitable for another Class or Group unless so marked on the product.*

*** For Class III type ignitable fibers or combustible flyings refer to the National Electrical Code® Article 500.*

**** For a complete listing of flammable liquids, gases, or vapors refer to NFPA 497 - 1997 (Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas and NFPA 325 - 1994 (Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids). Reference also NFPA 499 – 1997 Classifications of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas.*

PROTECTION CLASSES OF ENCLOSURES (IP CODE)

The IEC uses the term "Ingress Protection" to identify the environmental protection of an enclosure. This is defined in IEC Standard 529 and is referenced by the CEC®. IP Codes are comparable to NEMA Enclosure Types.

The IP classification system designates, by means of a number, the degree of protection provided by an enclosure and the electrical equipment against physical contact, foreign bodies and water ingress.

The protection classes for electrical equipment in respect of:

I. Protection of persons against contact with live or moving parts. (Physical contact protection)
II. Protection against ingress of solid foreign bodies. (Foreign body protection)
III. Protection against ingress of water. (Water protection)

Structure and use of the IP Code:

I. If a code digit does not have to be given it should be replaced with the letter "X".
II. Additional and/or supplementary letters may be omitted without substitute letters.
III. If more than one supplementary letter is required, alphabetical order should be followed.

The numbering system and degree of protection follows:

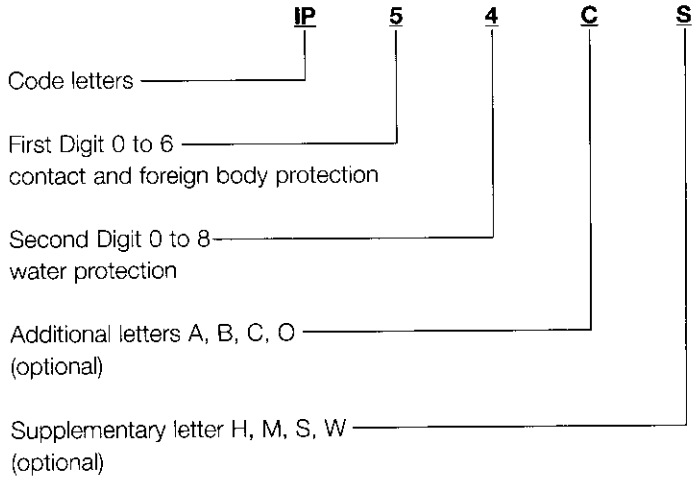
The additional (optional) letter concerns protection of persons and refers to information about protection against access to dangerous parts by:

I. Back of the hand	letter A
II. Finger	letter B
III. Tool	letter C
IV. Wire	letter O

The supplemental (optional) letter concerns protection of the equipment and provides supplementary information specially for:

I. High voltage equipment	letter H
II. Water-proofing during operation	letter M
III. Water-proofing during standstill	letter S
IV. Weather conditions	letter W

IP CODE: NUMBERING SYSTEM



DIGIT	FIRST DIGIT PHYSICAL PROTECTION	FOREIGN BODY PROTECTION	SECOND DIGIT WATER PROTECTION
0	Non-protected	Non-protected	Non-protected
1	Protection against back of hand contact.	Protected against solid objects greater than 50 mm (1.97 in.).	Protected against water dripping vertically.
2	Protection against finger contact.	Protected against solid objects greater than 12 mm (0.47 in.).	Protected against vertically dripping water when tilted up to 15, degrees.
3	Protection against contact from a wire or tools.	Protected against solid objects greater the 2.5 mm (0.098 in.).	Protected against spraying water at an angle up to 60° degrees from the vertical.
4	Protection against contact with a wire or strip of thickness greater than 1.0 mm (0.039 in.).	Protected against solid objects greater the 1.0 mm (0.039 in.).	Protected from splashing water from any direction.
5	Protection against contact with a wire.	Dust-protected prevents ingress of dust in sufficient quantity to interfere with operation of equipment.	Protected against water jets from any direction.
6	Protected against contact with a wire.	Dust-tight no dust ingress.	Protected against heavy seas or powerful jets of water and prevents ingress sufficient to cause harm.
7			Protected against the effects of immersion between a depth of 150 mm to 1 meter.
8			Protected against submersion, suitable for continuous immersion in water under conditions specified by the manufacture.

Refer to IEC Standards Publication 529 (Classification of Degrees of Protection Provided by Enclosures) for complete descriptions and test requirements.

NEMA ENCLOSURE TYPES VS. IEC CLASSIFICATION DESIGNATION

NEMA ENCLOSURE TYPE NUMBER	IEC ENCLOSURE CLASSIFICATION
1	IP 10
2	IP 11
3	IP 54
3R	IP 14
3S	IP 54
4 and 4X	IP 56
5	IP 52
6 and 6P	IP 67
12 and 12K	IP 52
13	IP 54

EQUIPMENT CERTIFICATION

United States and Canada

In most cases, equipment for use in hazardous locations must be certified to an appropriate National Standard and marked as such by an accredited third party testing organization. Follow-up inspection to ensure conformance is usually part of the program. Products may carry multiple markings for multiple countries.

The specific requirements for product certification vary from country to country. While CSA, UL and FM are similar in their approach, subtle differences still exist. CSA, UL and FM accept component listing of products. This means that selected products may be offered in modular form, which the customer may assemble without effecting the listing.

European Countries

The countries belonging to the European Union EU, who develop products based upon the standards of the European Committee for Electrotechnical Standardization (CENELEC), have requirements differing in many, but not all respects, from U.S. requirements established by the NEC® and American National Standards Institute. These CENELEC standards were developed based on the IEC publication 79 recommendations, and are called Euronorms (EN) standards. The CENELEC standards for equipment for hazardous (classified) locations are numbered EN50 014 through EN50 028.

MARKING

Typical North American marking

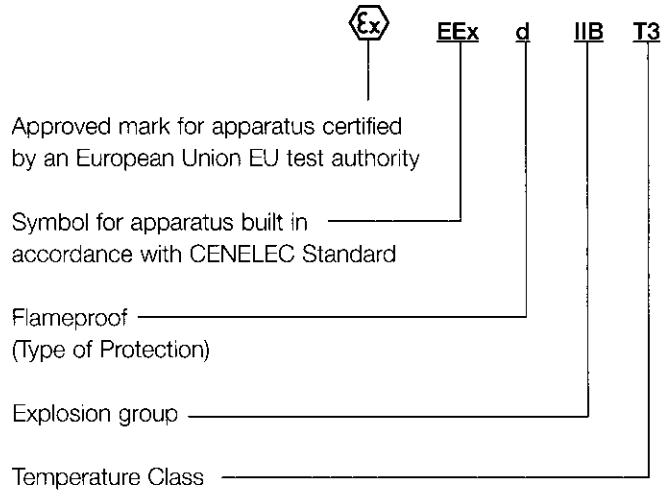
Class I,	Divisions 1 & 2	Groups A, B, C, and D, T6
Class I,	Zones 1 & 2	Groups IIC, IIB, IIA, T6
Class II,	Divisions 1 & 2	Groups E, F, and G
Class III		

NEMA 3, 4, 4X

United States "AEx" marking requires Class and Zone suitability (Class I, Zone 1, AEx e IIC T5)

Typical International Marking

The symbol is used to identify equipment designed to EN50 014 - EN50 028. In addition to the information on the manufacturer, electrical rating, model number, etc., the following is provided for equipment intended for use in hazardous locations.



ATEX DIRECTIVE

This directive applies to electrical and non-electrical components and protective systems intended for use in potentially explosive atmospheres. Compliance with the requirements of this new directive will become mandatory on July 1, 2003 when the old approach directives will be repealed. Certificates of Conformity issued under the old approach directives will remain valid until June 30, 2003, after this date all products will need to comply with the requirements outlined under the "New Approach" or ATEX Directive (94/9/EC).

The ATEX Directive relates to electrical and mechanical equipment and includes items such as:

- All equipment and protective systems intended for use in potentially explosive atmospheres within the European Union are covered and must have the CE marking along with specific type of explosion protection markings.
- Explosive atmospheres caused by the presence of gas, vapors and mists.
- Existing, previously certified products must be re-examined to determine compliance with the new directives.
- Mining (Group I) and surface (Group II) non-mining is addressed. (Group I) applies to equipment intended for use in underground parts of mines, and to those parts of surface installations of such mines, likely to be endangered by firedamp and/or combustible dusts. (Group II) non-mining applies to equipment intended for use in other surface industrial and offshore locations likely to be endangered by explosive atmospheres.
- Equipment categories defining the required levels of protection are introduced. Category 1 covers equipment having a very high level of protection. Category 2 covers equipment having a high level of protection, and Category 3 covers equipment having a normal level of protection.
- Harmonized European standards are no longer listed in the directive. Instead, a set of electrical health and safety requirements is specified. CEN and CENELEC, the European standards making bodies have been charged with the responsibility of preparing standards in support of these essential health and safety requirements (EHSR's).
- Technical requirements for equipment and protective systems where the risk arises from combustible dusts, gases, vapors and mist are covered by the Essential Health and Safety Requirements.
- There is more emphasis placed upon the continued compliance of certified products. Conformity assessment addresses both the design and production phases. There is an option to adopt a quality systems approach to cover the production phase for some equipment. The quality system will be based on the ISO 9000 series of standards but augmented for this purpose.
- The requirements for surveillance are addressed in more detail and are not therefore open to differing interpretations of the requirements.

All manufacturers of products covered by these new directives must prepare a declaration of conformity containing details about the product, its intended use and how it complies with the requirements. In most cases, this will entail the involvement of a Notified Body in the Conformity Assessment Procedure.

DIVISION, ZONE, CATEGORY RISK ASSESSMENT

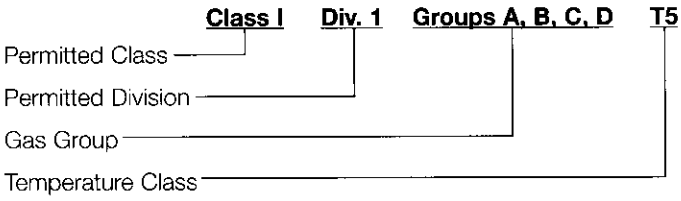
	FLAMMABLE GAS ALWAYS PRESENT >1000 HRS./YEAR	FLAMMABLE GAS NORMALLY PRESENT 10-1000 HRS./YEAR	FLAMMABLE GAS NOT NORMALLY PRESENT <10 HRS./YEAR
U.S. — NEC 500	Division 1	Division 1	Division 2
U.S. — NEC 505	Zone 0	Zone 1	Zone 2
CENELEC/IEC	Zone 0	Zone 1	Zone 2
ATEX	Category 1G (Gas)	Category 2G (Gas)	Category 3G (Gas)

PROTECTION METHODS

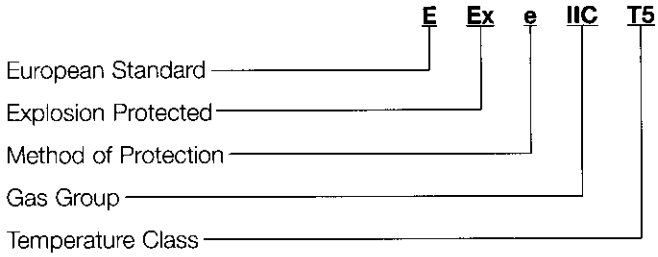
METHOD OF PROTECTION	SYMBOL	PERMITTED ZONE (CENELEC/IEC)	PERMITTED ZONE US (NEC 505)	ATEX PERMITTED CATEGORY
Flameproof	d	1 & 2	1 & 2	2 & 3
Enclosed Break	nC	2	2	3
Powder Filled	q	1 & 2	1 & 2	2 & 3
Increased Safety	e	1 & 2	1 & 2	2 & 3
Non-Sparking	nA	2	2	3
Intrinsic Safety	ia	0, 1 & 2	0, 1 & 2	1, 2 & 3
	ib	1 & 2	1 & 2	2 & 3
Energy Limitation	nL	2	2	3
Pressurized	p	1 & 2	1 & 2	2 & 3
Encapsulation	m	1 & 2	1 & 2	2 & 3
Oil Immersion	o	1 & 2	1 & 2	2 & 3
Restricted Breathing	nR	2	2	3
Special	s (1)	0, 1 & 2		1, 2 & 3

(1) Must be marked suitable for Zone 0

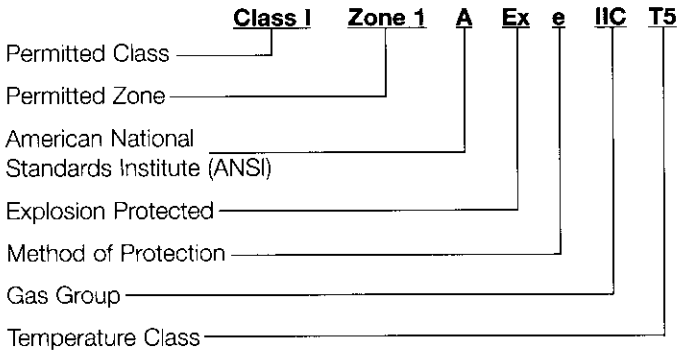
EXPANDED MARKINGS
U.S. (NEC 500)



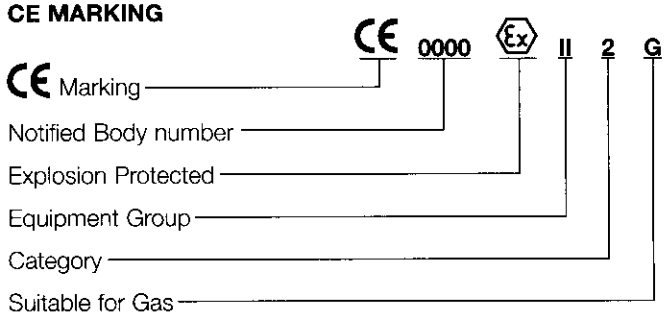
EX MARKING
CENELEC/IEC



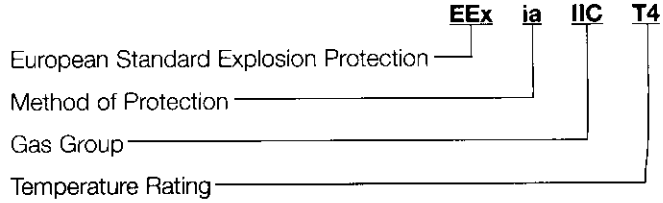
U. S. (NEC 505)



ATEX MARKING
CE MARKING



ADDITIONAL MARKING



HUBBELL
KILLARK®

Equipment certified by the various test authorities may require additional marking information such as the symbol or name of the test authority, certificate number, year of issue, etc. European countries issue certificates of conformity, and these certificates will include special instructions on the installation, including installation limitations.

With the advent of free trade, the Standards Council of Canada and OSHA have accredited a number of nationally recognized testing laboratories (NRTL) to certify equipment to each others' National Standards.

USA Multiple agencies issue product standards
- OSHA accredits testing agencies (Listing to ANSI Standards)
- Specific, multiple or no marking may be acceptable to, or required by regulatory agencies.
- Self-certification by a manufacturer is permitted.

Canada CSA is responsible for issuing all product standards.
- Standards Council of Canada accredits testing agencies (Listing to CSA Standards)
- Specific marking required for approval by regulatory agencies.

CENELEC Issues Product Standards and Installation Practices for EU Member Nations
- Testing permitted by multiple member country agencies.
- Specific marking required for approval by regulatory agencies.

UNITED STATES - THE FOLLOWING CERTIFICATION MARKS APPLY TO THE U.S. ONLY

NRTL

If the CSA Mark appears with the "NRTL" qualifier only, this indicates that the product is CSA certified for the U. S. market to the applicable ANSI/UL standards.

US

This logo was introduced in 1999 to be consistent in North America.

LISTED

Listed means the same as certified or approved. This means a product has been fully investigated to a specific set of construction standards. In hazardous locations, Zone type products must be specifically "Listed" for the location.

CLASSIFIED

Classified products are different than listed products. Products carrying this mark have been evaluated for specific properties. Although UL has a Canadian mark, CSA has no equivalent certification process.

UL's Component Recognition Service covers the testing and evaluation of component products that are incomplete or restricted in performance capabilities. These components will later be used in complete products or systems approved by UL. UL's Component Recognition Service covers components, such as plastics, wire and printed wiring boards, that may be used in very specific, or a broad spectrum of end-products, or components such as motors or power supplies. These components are not intended for separate installation in the field, they are intended for use as components of complete equipment submitted for investigation to UL.

FM APPROVED

Factory Mutual Approval is essentially the same as certified or listed. This means a product has been fully investigated to a specific set of construction standards. In hazardous locations, Factory Mutual specifically approves Zone type products for the location.

"Complies With"

Certain manufacturers use the term "complies with" for selected products. In the U. S., companies are permitted to "self certify" products to a standard or set of standards, which may or may not include ANSI standards. This means no third party testing agency has actually investigated the product for safety or performance. The installer and the authorities having jurisdiction over the electrical installations are simply accepting the word or reputation of the manufacturer. This practice is not acceptable in Canada or EU countries.

CANADA
CANADIAN STANDARDS ASSOCIATION -
The CSA Mark may appear alone or with qualifiers.

If the CSA Mark appears alone, it means that the product is CSA certified for the Canadian Market, to the applicable Canadian standards.

NRTL/C

If the CSA Mark appears with qualifiers "NRTL/C", It means that the product is CSA certified for the U. S. and Canadian markets.

A new logo was introduced in 1999 for consistency in North America.

Underwriters Laboratories of Canada – While it is affiliated with UL in the U.S., ULC is a separate agency. The ULC listing is often confused with the C-UL mark. Underwriters Laboratories of Canada is limited in its testing of electrical equipment therefore the mark is normally used in conjunction with marking from one or more agencies. ULC deals with all equipment related to fire alarms in Canada.

Underwriters Laboratories – There are three marks used by UL to accommodate the Canadian market.

Products with the C-UL Listing mark have been evaluated to Canadian safety requirements, which may be somewhat different from U. S. safety requirements.

The use of the C-UL Classification mark, indicates that UL has used some or portions of the Canadian standards to evaluate the product for specific hazards or properties. CSA does not have standards or certification procedures that allow this type of certification. Users should check with appropriate regulatory agency for further information.

The use of the Recognized Component mark, which indicates that UL has used some or portions of the Canadian standards to evaluate specific components, is rarely seen. This mark is used specifically on component parts that are part of a larger product or system. These components may have restrictions on their performance or may be incomplete in construction. CSA does not have standards or certification procedures that allow this type of certification. Users should check with appropriate regulatory agency for further information.

These marks indicate products meet the requirements of both CSA and ANSI (UL) and are suitable for both Canada and the United States.

While these marks indicate compliance with both U.S. and Canadian standards, construction or certification of this type is not necessarily recognized in Canada.

Others

Products approved by MET can be marked for acceptance throughout Canada. The MET CSA Label may indicate the applicable CSA standard to which the product has been certified.

Intertek Testing Services – products approved by ETL and Warnock Hersey can be marked for acceptance throughout Canada.

EUROPE - THE FOLLOWING IS INTENDED FOR PRODUCTS USED IN THE EUROPEAN UNION COUNTRIES

The "Hex EX" mark identifies products which are tested by an accredited EU member test facility to a harmonized (CENELEC) Standard. The Ex symbol is accompanied by the name of the testing agency and a report number. All hazardous location products used in the EU must have the Ex mark and may also require CE or ATEX markings.

Marking to show compliance with the European Union's (EU) approval directive. Use of the CE mark indicates conformity to the applicable directives for a particular type of product such as electromagnetic compatibility (EMC) or electromagnetic interference (EMI). This is often self declared by the manufacturer.

CERTIFICATION POLICY

The designs of Killark products are original and proprietary and in many instances are covered by patents.

Killark products are designed to be installed as governed by the National Electric Code. The products are designed to conform with suitable Third Party Certifier standards where such standards exist. Most Killark standard cataloged products are covered by third party certification reports and inspection procedures. These certifications are a matter of record and are indicated by the product identification marking and the certifiers logo. Generally, the marking is required on the product itself, however, under certain circumstances, the marking may be applied to the carton only.

In general, products are Third Party Certified as complete assemblies, however, exceptions do exist. One such exception would be separate shipment of control station cover assemblies and the splice boxes. In some instances, components may be covered (i.e., UL Recognized) for use in other equipment which will be submitted for certification of the complete assembly. The nature of the agreements with Third Party Certifiers requires that product deviations from the originally submitted design be resubmitted for evaluation prior to application of the logo. It is not uncommon for re-submittals to take a substantial length of time.

Generally, Killark's standard cataloged products are covered by one or more of the following Third Party certifiers: Underwriters Laboratories Inc., Factory Mutual Research Corporation, Canadian Standards Association, CENELEC, BASEEFA and PTB. Products covered are indicated by the Third Party Certifiers logo and file number on the individual catalog pages. There may be instances where not all products on a particular page containing a logo are listed. When certification information is required, consult the factory or refer to the appropriate certifier for listings.

REGISTERED TRADEMARKS

HUBBELL®
KILLARK®

Registered Logotype and Trademark of:
Killark
A Division of Hubbell Incorporated (Delaware)
St. Louis, MO USA
Manufacturer of Electrical Products for Hazardous and Non-Hazardous Locations: Fittings, Enclosures, Distribution Equipment, Plugs and Receptacles, Controls and Lighting Fixtures.

HUBBELL®
KILLARK®

K-PAK®
Is a registered trademark identifying packaging used with the Killark Merchandising System.

CorroSAFE® Electrical Conduit Fittings
CorroSAFE is a trademark identifying a protective coating used on Killark Aluminum Electrical Conduit Fittings.

DURALOY™ Electrical Conduit Fittings
DURALOY is a trademark identifying a Tri-Coat protective finish used on Iron Electrical Conduit Fittings for standard and hazardous locations.

CLENCHER® Cable Connectors
CLENCHER is a registered trademark identifying Killark Cable Connectors for standard and hazardous locations.

Z-SERIES Cord and Cable Connectors
Z-SERIES is a trademark identifying Killark Cord and Cable Connectors for Standard and certain hazardous locations.

Dura Control Stations
DuraTech is a registered trademark identifying Killark Non-Metallic Control Stations and Devices for standard locations.

SEAL-X® Control Stations
SEAL-X is a registered trademark identifying Killark Factory Sealed Control Stations for hazardous locations.

QUANTUM®
Enclosures for Hazardous & Hostile Locations
QUANTUM is a registered trademark identifying Killark Electrical Junction Boxes and Enclosures for hazardous & hostile locations.

PRISM® Motor Controls and Panelboards
PRISM is a registered trademark identifying Killark Motor Controls and Panelboards for hazardous locations.

ACCEPTOR® Plugs and Receptacles
ACCEPTOR is a registered trademark identifying Killark interchangeable Plug and Receptacle System for hazardous locations.

VersaMATE® Plugs & Receptacles
VersaMATE is a registered trademark identifying Killark Pin & Sleeve Plugs and Receptacles for standard and hazardous locations.

VersaRANGE® Plugs & Receptacles
VersaRANGE is a trademark identifying Killark Plug and Connector Cable Clamps, which cover a wide range of cable diameters with a single assembly.

CERTILITE® Lighting Fixtures
CERTI*LITE* is a registered trademark identifying Killark Luminaires for standard and certain hazardous locations.

HOSTILITE® Lighting Fixtures
HOSTILE*LITE* is a registered trademark identifying Killark Luminaires for hazardous and hostile locations.

MARIGARD™ Lighting
MARI*GARD* is a trademark identifying Killark Stainless Steel Floodlights for Marine and Hazardous Locations.

PETROBRIGHT™ Lighting
PETRO*BRIGHT* is a trademark identifying Killark HID Canopy Lighting for gasoline or other service stations.

LINEARLITE™ Lighting
LINEAR*LITE* is a trademark identifying Killark Fluorescent Luminaires for hostile and hazardous locations.

LINEARLITE SMART-E™ Smart-E Lighting
LINEAR*LITE* is a trademark identifying Killark Emergency Fluorescent Luminaires for hostile and hazardous locations.

ConSpec® Control Stations & Panels
ConSpec is a registered trademark identifying Killark Control Stations and Panels for hazardous locations.

TECHNETERM® Terminal Enclosures
TECHNeTERM is a registered trademark identifying Killark Increased Safety Terminal Enclosures for hazardous locations.

TECHNITERM® Terminal Enclosures
TECHNiTERM is a registered trademark identifying Killark Increased Safety Terminal Enclosures for Intrinsically Safe Circuits.

DISCONEX® Disconnect Switches
DISCONEX is a registered trademark identifying Killark Control and Disconnect Switches for hazardous locations.

Section F

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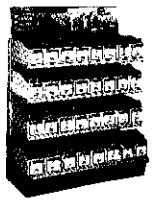

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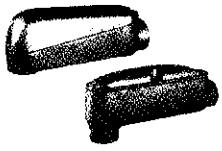

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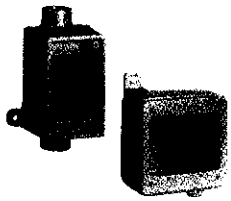

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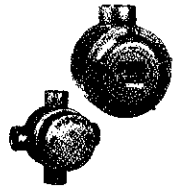

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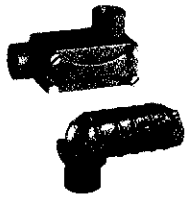

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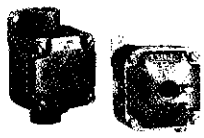
HAZARDOUS LOCATIONS



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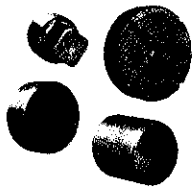

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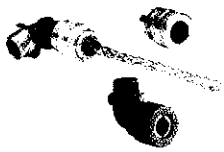

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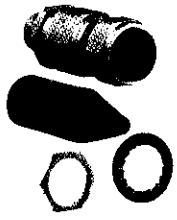

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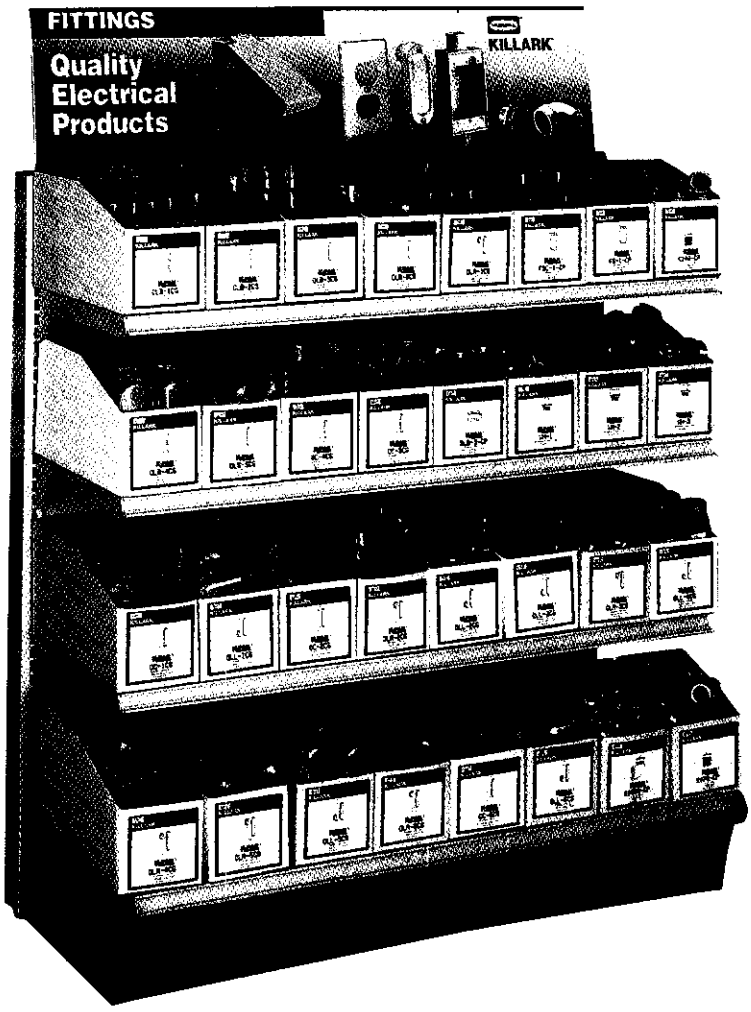
K-PAK®



Applications
The K-PAK® System is designed to enable Killark distributors to feature fast-moving products in counter display areas.

Killark's best selling standard location products have been repackaged into smaller shelf packs for effective product family presentation.

The uniformly sized (width and height are consistent) cartons allow items to be merchandised on Killark's K-Pak display unit.

Features/Benefits
- Cartons are suitable for counter merchandising display and/or warehouse storage.
- Open-top bin box dispays products for easy customer self-service.
- All cartons are bar coded for easy electronic identification.
- Conduit bodies are packaged with appropriate covers and gaskets.

K-PAK Carton Dimensions
Full depth cartons:

6"W x 81/2"H x 15"D

Half depth cartons:

6"W x 81/2"H x 71/2"D

Display face (width & height) same for all cartons.

K-PAK Display Dimensions
48"W x 54"H x 18"D

Standard Location Fittings for Rigid and IMC Conduit now available in K-PAK packaging.
See page F3 for ordering information.

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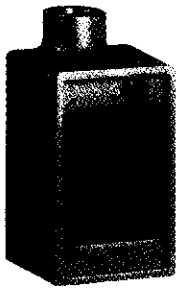
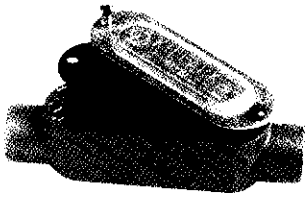
FS



FD

Liquidtight connectors



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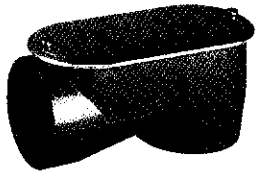


SLB

Weatherproof Hubs

FEATURES-SPECIFICATIONS

FS/FD BACK BOXES/COVERS

CATALOG NUMBER	DESCRIPTION	PKG QTY.
1FA-CP	Duplex cover	50
1FT-CP	Toggle cover	50
FCLA-CP	Duplex cover	25
FDC-1-CP	1/2" FDC box	10
FDC-2-CP	3/4" FDC box	10
FD-1-CP	1/2" FD box	10
FD-2-CP	3/4" FD box	10
FSBC-CP	Blank cover	50
FSC-1-CP	1/2" FSC box	15
FSC-2-CP	3/4" FSC box	15
FST-CP	Cover	25
FS-1-CP	1/2" FS box	20
FS-2-CP	3/4" FS box	20

K LIQUIDTIGHT CONNECTORS

CATALOG NUMBER	DESCRIPTION	PKG QTY.
K038-CP	3/8" L.T. straight fitting	100
K050-CP	1/2" L.T. straight fitting	100
K075-CP	3/4" L.T. straight fitting	50
K100-CP	1" L.T. straight fitting	25
K0389-CP	3/8" 90° fitting	50
K0509-CP	1/2" 90° fitting	50
K0759-CP	3/4" 90° fitting	50
K1009-CP	1" 90° fitting	20

O FITTINGS

CATALOG NUMBER	DESCRIPTION	PKG QTY.
OC-1CG	1/2" C w/cover & gasket	40
OC-2CG	3/4" C w/cover & gasket	25
OC-3CG	1" C w/cover & gasket	20
OC-4CG	1-1/4" C w/cover & gasket	8
OC-5CG	1-1/2" C w/cover & gasket	8
OC-6CG	2" C w/cover & gasket	3
OLB-1CG	1/2" LB w/cover & gasket	40
OLB-2CG	3/4" LB w/cover & gasket	25
OLB-3CG	1" LB w/cover & gasket	15
OLB-4CG	1-1/4" LB w/cover & gasket	8
OLB-5CG	1-1/2" LB w/cover & gasket	5
OLB-6CG	2" LB w/cover & gasket	3
OLL-1CG	1/2" LL w/cover & gasket	40
OLL-2CG	3/4" LL w/cover & gasket	25
OLL-3CG	1" LL w/cover & gasket	15
OLL-4CG	1-1/4" LL w/cover & gasket	8
OLL-5CG	1-1/2" LL w/cover & gasket	8
OLL-6CG	2" LL w/cover & gasket	3
OLR-1CG	1/2" LR w/cover & gasket	40
OLR-2CG	3/4" LR w/cover & gasket	25
OLR-3CG	1" LR w/cover & gasket	15
OLR-4CG	1-1/4" LR w/cover & gasket	8
OLR-5CG	1-1/2" LR w/cover & gasket	8
OLR-6CG	2" LR w/cover & gasket	3
OT-1CG	1/2" T w/cover & gasket	30
OT-2CG	3/4" T w/cover & gasket	25
OT-3CG	1" T w/cover & gasket	15
OT-4CG	1-1/4" T w/cover & gasket	8
OT-5CG	1-1/2" T w/cover & gasket	8
OT-6CG	2" T w/cover & gasket	2

SLB FITTINGS

CATALOG NUMBER	DESCRIPTION	PKG QTY.
SLB-1-CP	1/2" Service entrance LB	50
SLB-2-CP	3/4" Service entrance LB	25
SLB-3-CP	1" Service entrance LB	25

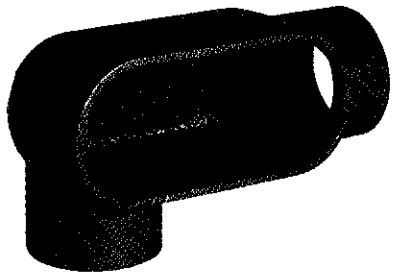
WH WEATHERPROOF HUBS

CATALOG NUMBER	DESCRIPTION	PKG QTY.
WH-1	1/2" Conduit hub	100
WH-2	3/4" Conduit hub	50
WH-3	1" Conduit hub	40

TW FITTINGS

CATALOG NUMBER	DESCRIPTION	PKG QTY.
TWOC-1C	1/2" C w/cover & gasket	40
TWOC-2C	3/4" C w/cover & gasket	25
TWOC-3C	1" C w/cover & gasket	20
TWOLB-1C	1/2" LB w/cover & gasket	40
TWOLB-2C	3/4" LB w/cover & gasket	25
TWOLB-3C	1" LB w/cover & gasket	15
TWOLRL-1C	1/2" LR w/cover & gasket	40
TWOLRL-2C	3/4" LR w/cover & gasket	25
TWOLRL-3C	1" LR w/cover & gasket	15
TWOT-1C	1/2" T w/cover & gasket	30
TWOT-2C	3/4" T w/cover & gasket	25
TWOT-3C	1" T w/cover & gasket	15

FORM 7 SERIES • FITTINGS
ALUMINUM OR IRON CONDUIT BODIES



LR Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

Form 7

Applications

To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features

- Intermateability UL Listed and CSA Certified interchangeability with competitive products
- Enhanced sealing capabilities neoprene sealing gaskets provide a NEMA 3 Seal
- High-quality sealing hardware 316 stainless steel cover screws and washers with neoprene gaskets
- Suitable for wet locations when used with form 7 gaskets
- Innovative spring clip design for installation ease and repeat usage
- Smooth integral wire bushings protects cable from damage when wires are pulled through opening
- For use with threaded rigid conduit steel or aluminum
- Ten standard hub configurations
- Flat-back design for greater wiring capacity and mounting stability

Material/Finish

Form 7 Aluminum

- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

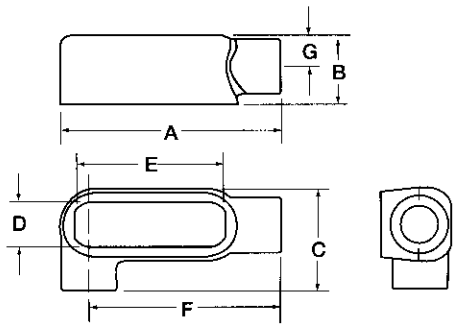
Duraloy Form 7 Iron

- Class 30 gray iron alloy
- Superior corrosion protection tri-coat finish of electrozinc, chromate sealant and electrostatically applied powder coating.

LR TYPE CONDUIT BODY

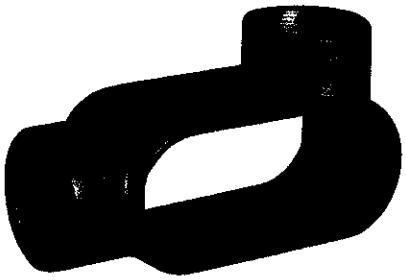
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
LR17SA	LR17	1/2"	4-11/16" (119)	1-7/16" (37)	2-5/16" (59)	1" (25)	3-3/16" (81)	4-1/16" (103)	5/8" (16)	4.0
LR27SA	LR27	3/4"	5-3/8" (137)	1-11/16" (43)	2-5/8" (67)	1-1/8" (29)	3-13/16" (97)	4-5/8" (117)	3/4" (19)	7.0
LR37SA	LR37	1"	6-5/16" (160)	1-7/8" (48)	3-1/16" (78)	1-3/8" (35)	4-1/2" (114)	5-3/8" (137)	7/8" (22)	11.0
LR47SA	LR47	1-1/4"	6-13/16" (173)	2-5/16" (59)	3-1/2" (89)	1-13/16" (46)	5" (127)	5-3/4" (146)	1-1/8" (29)	19.5
LR57SA	LR57	1-1/2"	7-1/4" (184)	2-9/16" (65)	3-11/16" (94)	2-1/16" (52)	5-7/16" (138)	6-1/16" (154)	1-1/4" (32)	26.0
LR67SA	LR67	2"	8-1/4" (210)	3-1/8" (79)	4-1/4" (108)	2-5/8" (67)	6-3/8" (162)	6-3/4" (171)	1-1/2" (38)	48.0
LR77SA	LR77	2-1/2"	10-15/16" (278)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5
LR87SA	LR87	3"	10-15/16" (278)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5
LR97SA	LR97	3-1/2"	13" (330)	5-3/8" (137)	7-1/4" (184)	4-3/4" (121)	10-1/4" (260)	10-5/16" (262)	2-5/8" (67)	238.0
LR107SA	LR107	4"	13" (330)	5-3/8" (137)	7-1/4" (184)	4-3/4" (121)	10-1/4" (260)	10-5/16" (262)	2-5/8" (67)	238.0

Dimensions



LR Type

HUBBELL KILLARK®



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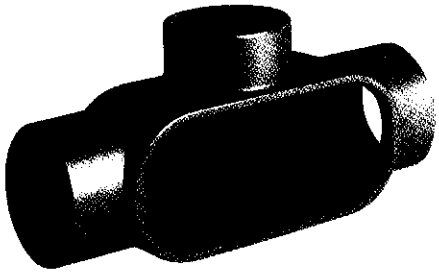


T Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

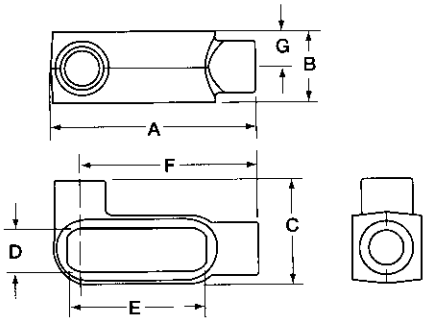
CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

Form 7

See page F4 for Standard Materials & Finish

Dimensions



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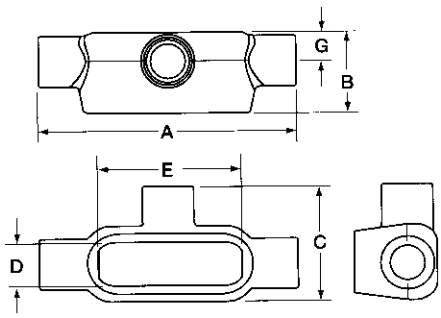


T Type

L TYPE CONDUIT BODY

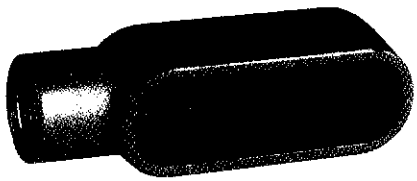
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
L17SA	L17	1/2"	4-11/16" (119)	1-7/16" (37)	2-5/16" (59)	1" (25)	3-3/16" (81)	4-1/16" (103)	5/8" (16)	4.0
L27SA	L27	3/4"	5-3/8" (137)	1-11/16" (43)	2-5/8" (67)	1-1/8" (29)	3-13/16" (97)	4-5/8" (117)	3/4" (19)	7.0
L37SA	L37	1"	6-5/16" (160)	1-7/8" (48)	3-1/16" (78)	1-3/8" (35)	4-1/2" (114)	5-3/8" (137)	7/8" (22)	11.0
L47SA	L47	1-1/4"	6-13/16" (173)	2-5/16" (59)	3-1/2" (89)	1-13/16" (46)	5" (127)	5-3/4" (146)	1-1/8" (29)	19.5
L57SA	L57	1-1/2"	7-1/4" (184)	2-9/16" (65)	3-11/16" (94)	2-1/16" (52)	5-7/16" (138)	6-1/16" (154)	1-1/4" (32)	26.0
L67SA	L67	2"	8-1/4" (210)	3-1/8" (79)	4-1/4" (108)	2-5/8" (67)	6-3/8" (162)	6-3/4" (171)	1-1/2" (38)	48.0
L77SA	L77	2-1/2"	10-15/16" (278)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5
L87SA	L87	3"	10-15/16" (278)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5

T TYPE CONDUIT BODY

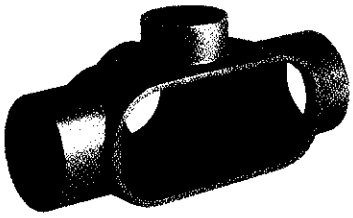
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
T17SA	T17	1/2"	5-11/16" (000)	1-13/16" (46)	2-1/2" (64)	1" (25)	3-3/16" (81)	—	5/8" (16)	6.2
T27SA	T27	3/4"	6-5/16" (000)	2-1/16" (52)	2-3/4" (67)	1-1/8" (29)	3-13/16" (97)	—	3/4" (19)	9.5
T37SA	T37	1"	7-5/8" (194)	2-1/4" (57)	3-1/4" (83)	1-3/8" (35)	4-1/2" (114)	—	7/8" (22)	11.5
T47SA	T47	1-1/4"	8" (203)	2-5/16" (59)	3-1/2" (89)	1-13/16" (46)	5" (127)	—	1-1/8" (29)	20.0
T57SA	T57	1-1/2"	8-7/16" (214)	2-9/16" (65)	3-11/16" (94)	2-1/16" (52)	5-7/16" (138)	—	1-1/4" (32)	27.0
T67SA	T67	2"	9-7/16" (240)	3-1/8" (79)	4-1/4" (108)	2-5/8" (67)	6-3/8" (162)	—	1-1/2" (38)	50.0
T77SA	T77	2-1/2"	12-3/4" (324)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	—	2-1/8" (54)	134.0
T87SA	T87	3"	12-3/4" (324)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	—	2-1/8" (54)	134.0
T97SA	T97	3-1/2"	14-7/8" (378)	5-3/8" (137)	7-1/4" (184)	4-3/4" (121)	10-1/4" (260)	—	2-5/8" (67)	238.0
T107SA	T107	4"	14-7/8" (378)	5-3/8" (137)	7-1/4" (184)	4-3/4" (121)	10-1/4" (260)	—	2-5/8" (67)	238.0

HUBBELL
KILLARK

FORM 7 SERIES • FITTINGS
ALUMINUM OR IRON CONDUIT BODIES



E Type



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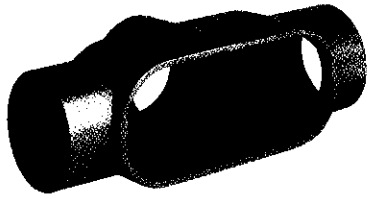

TB Type

- Suitable for wet locations when used with gasketed covers.
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UL Listed File No. E3397

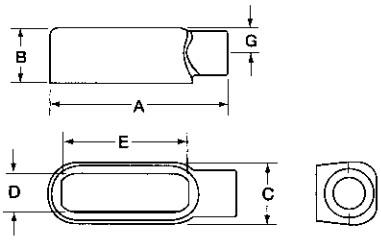
CSP Certified File No. LR11852

FEATURES-SPECIFICATIONS

Form 7

See page F4 for Standard Materials & Finish

Dimensions



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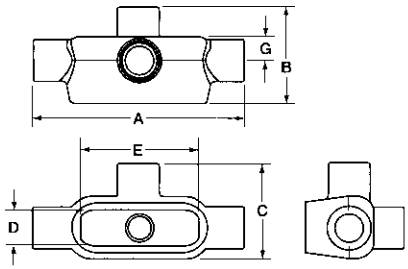

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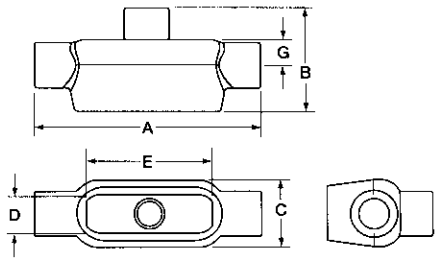


TB Type

E TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
E17SA	E17	1/2"	4-11/16" (119)	1-7/16" (37)	1-1/2" (38)	1" (25)	3-3/16" (81)	—	5/8" (16)	4.0
E27SA	E27	3/4"	5-3/8" (137)	1-11/16" (43)	1-3/4" (67)	1-1/8" (29)	3-13/16" (97)	—	3/4" (19)	7.0
E37SA	E37	1"	6-5/16" (160)	1-7/8" (48)	1-15/16" (49)	1-3/8" (35)	4-1/2" (114)	—	7/8" (22)	11.0

TA TYPE CONDUIT BODY

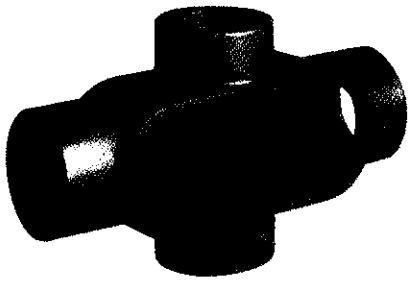
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
TA17SA	TA17	1/2"	5-11/16" (144)	2-5/8" (67)	2-1/2" (64)	1" (25)	3-3/16" (81)	—	5/8" (16)	6.2
TA27SA	TA27	3/4"	6-5/16" (160)	2-7/8" (73)	2-3/4" (67)	1-1/8" (29)	3-13/16" (97)	—	3/4" (19)	9.5
TA37SA	TA37	1"	7-5/8" (194)	3-3/8" (86)	3-1/4" (000)	1-3/8" (35)	4-1/2" (114)	—	7/8" (22)	15.5
TA47SA	TA47	1-1/4"	8" (203)	3-1/2" (89)	3-1/2" (89)	1-13/16" (46)	5" (127)	—	1-1/8" (000)	20.0
TA57SA	TA57	1-1/2"	8-7/16" (214)	3-3/4" (95)	3-11/16" (94)	2-1/16" (52)	5-7/16" (138)	—	1-1/4" (32)	27.0
TA67SA	TA67	2"	9-7/16" (240)	4-5/16" (110)	4-1/4" (108)	2-5/8" (67)	6-3/8" (162)	—	1-1/2" (38)	50.0

TB TYPE CONDUIT BODY

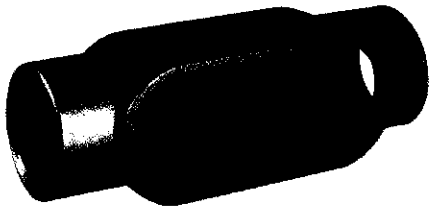
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
TB17SA	TB17	1/2"	5-11/16" (144)	2-5/8" (67)	1-11/16" (43)	1" (25)	3-3/16" (81)	—	5/8" (16)	6.2
TB27SA	TB27	3/4"	6-5/16" (160)	2-7/8" (73)	1-7/8" (67)	1-1/8" (29)	3-13/16" (97)	—	3/4" (19)	9.5
TB37SA	TB37	1"	7-5/8" (194)	3-3/8" (86)	3-3/8" (86)	1-3/8" (35)	4-1/2" (114)	—	7/8" (22)	15.5
TB47SA	TB47	1-1/4"	8" (203)	3-1/2" (89)	3-1/2" (89)	1-13/16" (46)	5" (127)	—	1-1/8" (29)	20.0
TB57SA	TB57	1-1/2"	8-7/16" (214)	3-3/4" (95)	3-3/4" (95)	2-1/16" (52)	5-7/16" (138)	—	1-1/4" (32)	27.0
TB67SA	TB67	2"	9-7/16" (240)	4-5/16" (110)	4-5/16" (110)	2-5/8" (67)	6-3/8" (162)	—	1-1/2" (38)	50.0

HUBBELL

KILLARK



X Type



C Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

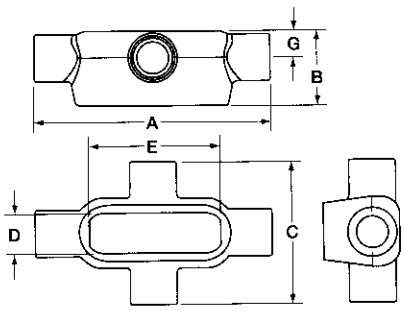
CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

Form7

See page F4 for Standard Materials & Finish

Dimensions



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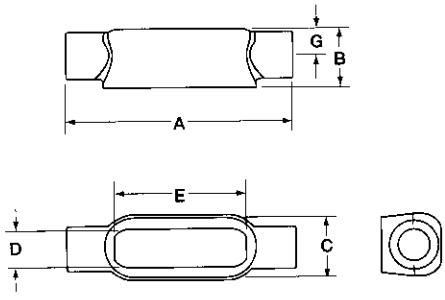


C Type

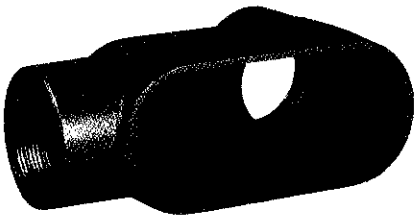
X TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
X17SA	X17	1/2"	5-11/16" (144)	1-3/8" (35)	3-3/8" (86)	1" (25)	3-3/16" (81)	—	5/8" (16)	6.2
X27SA	X27	3/4"	6-5/16" (160)	2-1/16" (52)	3-9/16" (67)	1-1/8" (29)	3-13/16" (97)	—	3/4" (19)	9.5
X37SA	X37	1"	7-5/8" (194)	2-1/4" (57)	4-3/8" (111)	1-3/8" (35)	4-1/2" (114)	—	7/8" (22)	15.5
X47SA	X47	1-1/4"	8" (203)	2-5/16" (59)	4-11/16" (000)	1-13/16" (46)	5" (127)	—	1-1/8" (29)	20.0
X57SA	X57	1-1/2"	8-7/16" (214)	2-9/16" (65)	4-7/8" (124)	2-1/16" (52)	5-7/16" (138)	—	1-1/4" (32)	27.0
X67SA	X67	2"	9-7/16" (240)	3-1/8" (79)	5-7/16" (138)	2-5/8" (67)	6-3/8" (162)	—	1-1/2" (38)	50.0

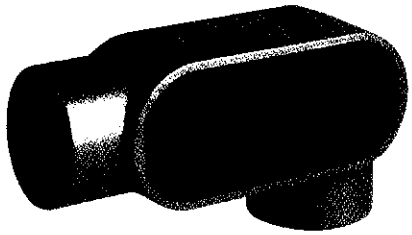
C TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
C17SA	C17	1/2"	5-1/2" (140)	1-7/16" (37)	1-1/2" (38)	1" (25)	3-3/16" (81)	—	5/8" (16)	4.0
C27SA	C27	3/4"	6-3/16" (157)	1-11/16" (43)	1-3/4" (67)	1-1/8" (29)	3-13/16" (97)	—	3/4" (19)	7.0
C37SA	C37	1"	7-7/16" (189)	1-7/8" (48)	1-15/16" (49)	1-3/8" (35)	4-1/2" (114)	—	7/8" (22)	11.0
C47SA	C47	1-1/4"	8" (203)	2-5/16" (59)	2-5/16" (59)	1-13/16" (46)	5" (127)	—	1-1/8" (29)	19.5
C57SA	C57	1-1/2"	8-7/16" (214)	2-9/16" (65)	2-1/2" (64)	2-1/16" (52)	5-7/16" (138)	—	1-1/4" (32)	26.0
C67SA	C67	2"	9-7/16" (240)	3-1/8" (79)	3-1/16" (78)	2-5/8" (67)	6-3/8" (162)	—	1-1/2" (38)	48.0
C77SA	C77	2-1/2"	12-3/4" (324)	4-3/8" (111)	4-3/8" (111)	3-7/8" (98)	8-3/8" (213)	—	2-1/8" (54)	131.5
C87SA	C87	3"	12-3/4" (324)	4-3/8" (111)	4-3/8" (111)	3-7/8" (98)	8-3/8" (213)	—	2-1/8" (54)	131.5
C97SA	C97	3-1/2"	14-7/8" (378)	5-3/8" (137)	5-3/8" (137)	4-3/4" (121)	10-1/4" (260)	—	2-5/8" (67)	238.0
C107SA	C107	4"	14-7/8" (378)	5-3/8" (137)	5-3/8" (137)	4-3/4" (121)	10-1/4" (260)	—	2-5/8" (67)	238.0

FORM 7 SERIES • FITTINGS
ALUMINUM OR IRON CONDUIT BODIES



LB Type



LL Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

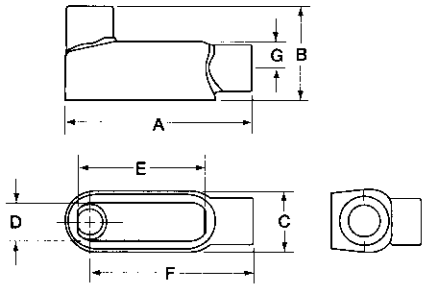
CSP Certified File No. LR11852

FEATURES-SPECIFICATIONS

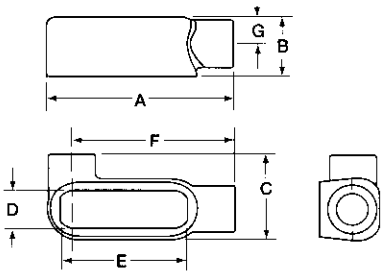
Form 7

See page F4 for Standard Materials & Finish

Dimensions



LB Type



LL Type

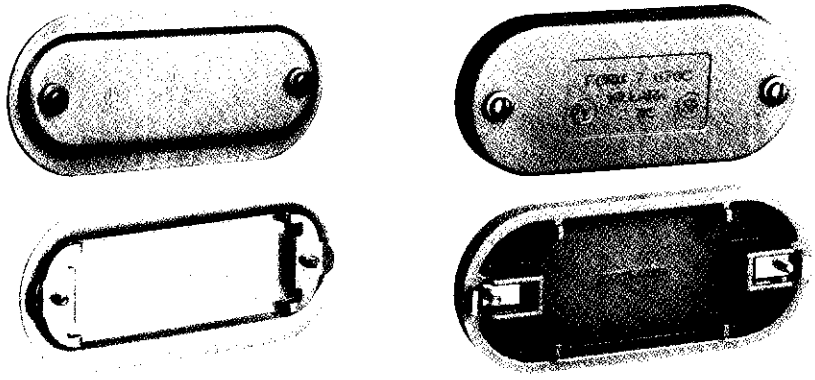
LB TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
LB17SA	LB17	1/2"	4-11/16" (119)	2-1/4" (57)	1-1/2" (38)	1" (25)	3-3/16" (81)	4-1/16" (103)	5/8" (16)	4.0
LB27SA	LB27	3/4"	5-3/8" (137)	2-1/2" (64)	1-3/4" (67)	1-1/8" (29)	3-13/16" (97)	4-5/8" (117)	3/4" (19)	7.0
LB37SA	LB37	1"	6-5/16" (160)	3" (76)	1-15/16" (49)	1-3/8" (35)	4-1/2" (114)	5-3/8" (137)	7/8" (22)	11.0
LB47SA	LB47	1-1/4"	6-13/16" (173)	3-1/2" (89)	2-5/16" (59)	1-13/16" (46)	5" (127)	5-3/4" (146)	1-1/8" (29)	19.5
LB57SA	LB57	1-1/2"	7-1/4" (184)	3-3/4" (95)	2-1/2" (64)	2-1/16" (52)	5-7/16" (138)	6-1/16" (154)	1-1/4" (32)	26.0
LB67SA	LB67	2"	8-1/4" (210)	4-5/16" (109)	3-1/16" (78)	2-5/8" (67)	6-3/8" (162)	6-3/4" (171)	1-1/2" (38)	48.0
LB77SA	LB77	2-1/2"	10-15/16" (278)	6-3/16" (157)	4-3/8" (111)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5
LB87SA	LB87	3"	10-15/16" (278)	6-3/16" (157)	4-3/8" (111)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5
LB97SA	LB97	3-1/2"	13" (330)	7-1/4" (184)	5-3/8" (137)	4-3/4" (121)	10-1/4" (260)	10-5/16" (262)	2-5/8" (67)	238.0
LB107SA	LB107	4"	13" (330)	7-1/4" (184)	5-3/8" (137)	4-3/4" (121)	10-1/4" (260)	10-5/16" (262)	2-5/8" (67)	238.0

LL TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
LL17SA	LL17	1/2"	4-11/16" (119)	1-7/16" (37)	2-5/16" (59)	1" (25)	3-3/16" (81)	4-1/16" (103)	5/8" (16)	4.0
LL27SA	LL27	3/4"	5-3/8" (137)	1-11/16" (43)	2-5/8" (67)	1-1/8" (29)	3-13/16" (97)	4-5/8" (117)	3/4" (19)	7.0
LL37SA	LL37	1"	6-5/16" (160)	1-7/8" (48)	3-1/16" (78)	1-3/8" (35)	4-1/2" (114)	5-3/8" (137)	7/8" (22)	11.0
LL47SA	LL47	1-1/4"	6-13/16" (173)	2-5/16" (59)	3-1/2" (89)	1-13/16" (46)	5" (127)	5-3/4" (146)	1-1/8" (29)	19.5
LL57SA	LL57	1-1/2"	7-1/4" (184)	2-9/16" (65)	3-11/16" (94)	2-1/16" (52)	5-7/16" (138)	6-1/16" (154)	1-1/4" (32)	26.0
LL67SA	LL67	2"	8-1/4" (210)	3-1/8" (79)	4-1/4" (108)	2-5/8" (67)	6-3/8" (162)	6-3/4" (171)	1-1/2" (38)	48.0
LL77SA	LL77	2-1/2"	10-15/16" (278)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5
LL87SA	LL87	3"	10-15/16" (278)	4-3/8" (111)	6-3/16" (157)	3-7/8" (98)	8-3/8" (213)	8-3/4" (222)	2-1/8" (54)	131.5
LL97SA	LL97	3-1/2"	13" (330)	5-3/8" (137)	7-1/4" (184)	4-3/4" (121)	10-1/4" (260)	10-5/16" (262)	2-5/8" (67)	238.0
LL107SA	LL107	4"	13" (330)	5-3/8" (137)	7-1/4" (184)	4-3/4" (121)	10-1/4" (260)	10-5/16" (262)	2-5/8" (67)	238.0

HUBBELL
KILLARK®



Stamped Covers

Cast Covers

FEATURES-SPECIFICATIONS

Form 7

Stamped Material/Finish
Aluminum
- 316 Stainless steel screws
- Natural finish

Galvanized Steel
- 316 Stainless steel screws
- Natural finish

STAMPED ALUMINUM AND STAMPED STEEL COVERS

CATALOG NUMBER		HUB SIZE	DIMENSIONS		
KILLARK ALUMINUM	STAMPED STEEL		LENGTH	WIDTH	HEIGHT
170SA	170	1/2"	3-11/16" (94)	1-3/8" (35)	5/16" (8)
270SA	270	3/4"	4-1/4" (108)	1-1/2" (32)	5/16" (8)
370SA	370	1"	5" (127)	1-3/4" (44)	5/16" (8)
470SA	470	1-1/4"	5-1/2" (140)	2-3/16" (56)	5/16" (8)
570SA	570	1-1/2"	6" (152)	2-7/16" (62)	5/16" (8)
670SA	670	2"	7" (178)	3" (76)	5/16" (8)
870SA	870	2-1/2"	9" (229)	4-1/4" (108)	9/16" (14)
870SA	870	3"	9" (229)	4-1/4" (108)	9/16" (14)
970SA	970	3-1/2"	11" (279)	5-1/4" (133)	9/16" (14)
970SA	970	4"	11" (279)	5-1/4" (133)	9/16" (14)

Cast Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating

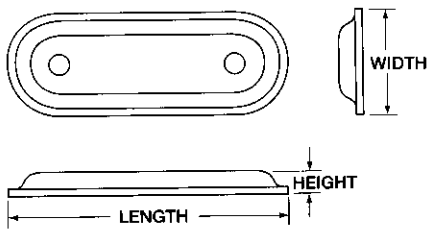
Duraloy Class 30 Gray Iron Alloy
- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating
- 316 Stainless steel screws

CAST ALUMINUM AND CAST IRON COVERS

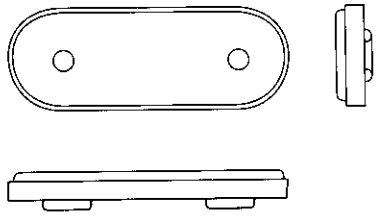
CATALOG NUMBER		HUB SIZE	DIMENSIONS		
KILLARK ALUMINUM	DURALOY IRON		LENGTH	WIDTH	HEIGHT
170CSA	170C	1/2"	3-11/16" (94)	1-3/8" (35)	3/8" (10)
270CSA	270C	3/4"	4-1/4" (108)	1-1/2" (32)	3/8" (10)
370CSA	370C	1"	5" (127)	1-3/4" (44)	3/8" (10)
470CSA	470C	1-1/4"	5-1/2" (140)	2-3/16" (56)	3/8" (10)
570CSA	570C	1-1/2"	6" (152)	2-7/16" (62)	3/8" (10)
670CSA	670C	2"	7" (178)	3" (76)	3/8" (10)
870CSA	870C	2-1/2"	9" (229)	4-1/4" (108)	3/8" (10)
870CSA	870C	3"	9" (229)	4-1/4" (108)	3/8" (10)
970CSA	970C	3-1/2"	11" (279)	5-1/4" (133)	3/8" (10)
970CSA	970C	4"	11" (279)	5-1/4" (133)	3/8" (10)

Dimensions

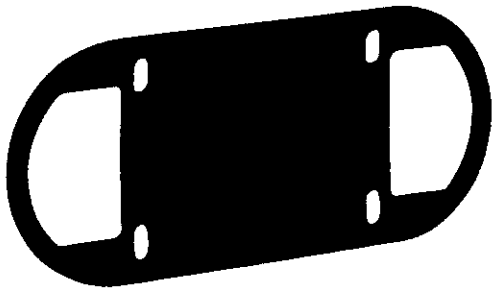
Stamped Covers



Cast Covers



HUBBELL
KILLARK



Cover Gaskets

FEATURES-SPECIFICATIONS

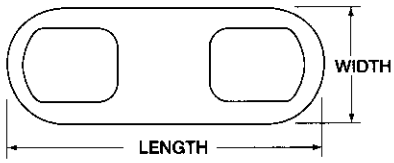
Form 7

Material
- Open cell neoprene

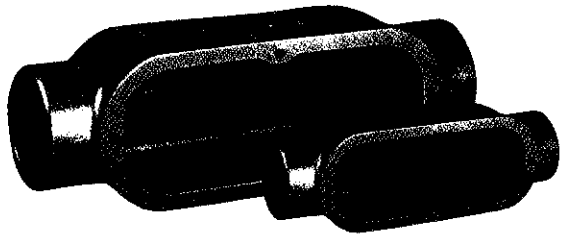
COVER GASKETS (OPEN CELL NEOPRENE)

CATALOG NUMBER	HUB SIZE	DIMENSIONS		
		LENGTH	WIDTH	HEIGHT
GASK571	1/2"	3-11/16" (94)	1-3/8" (35)	1/8" (3)
GASK572	3/4"	4-1/4" (108)	1-1/2" (38)	1/8" (3)
GASK573	1"	5" (127)	1-3/4" (44)	1/8" (3)
GASK574	1-1/4"	5-1/2" (140)	2-3/16" (56)	1/8" (3)
GASK575	1-1/2"	6" (152)	2-7/16" (62)	1/8" (3)
GASK576	2"	7" (178)	3" (76)	1/8" (3)
GASK578	2-1/2"	9" (229)	4-1/4" (108)	1/8" (3)
GASK578	3"	9" (229)	4-1/4" (108)	1/8" (3)
GASK579	3-1/2"	11" (279)	5-1/4" (133)	1/8" (3)
GASK579	4"	11" (279)	5-1/4" (133)	1/8" (3)

Dimensions



HUBBELL
KILLARK



C Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

DURALOY 8

Applications

To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features

- Completely interchangeable with Crouse-Hinds® and Appleton® Form 8™ bodies, gaskets, and covers
- Flat back design provides greater cubic capacity for easier wire pulling and more room for splicing
- Raintight when used with gasketed covers
- Stainless steel screws on stamped and cast covers
- Smooth integral wire bushings

Material/Finish

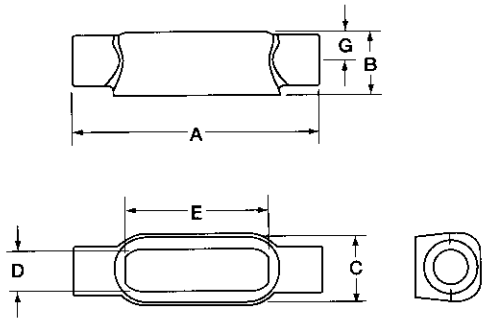
Duraloy Class 30 Gray Iron Alloy

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating.

C TYPE CONDUIT BODY

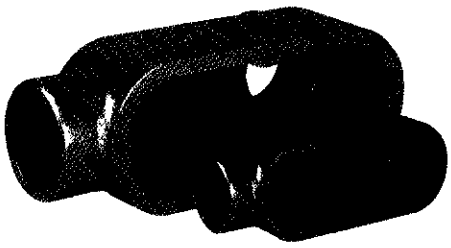
CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
C18	1/2"	5-5/16" (135)	1-15/32" (37)	1-15/32" (37)	1" (25)	3-9/32" (83)	—	5/8" (16)	5.0
C28	3/4"	6-9/16" (167)	1-11/16" (43)	1-21/32" (42)	1-3/16" (30)	3-15/16" (100)	—	3/4" (19)	8.0
C38	1"	7-9/16" (192)	1-31/32" (50)	1-27/32" (47)	1-3/8" (35)	4-17/32" (115)	—	7/8" (22)	12.25
C448	1-1/4"	8-7/16" (214)	2-3/8" (60)	2-5/32" (55)	1-3/4" (44)	5-15/16" (151)	—	1-3/32" (28)	23.25
C58	1-1/2"	10-3/8" (264)	2-25/32" (71)	2-25/32" (71)	2-3/32" (53)	6-1/2" (165)	—	1-3/8" (35)	42.50
C68	2"	12-3/8" (314)	3-9/16" (90)	3-27/32" (98)	3" (76)	8-5/8" (219)	—	1-7/8" (48)	105.00
C78	2-1/2"	15-5/8" (397)	4-7/16" (113)	5" (127)	4-1/4" (108)	10-7/8" (276)	—	2-1/2" (64)	200.00
C88	3"	15-5/8" (397)	4-13/16" (122)	5" (127)	4-1/4" (108)	10-7/8" (276)	—	2-1/2" (64)	217.00

Dimensions

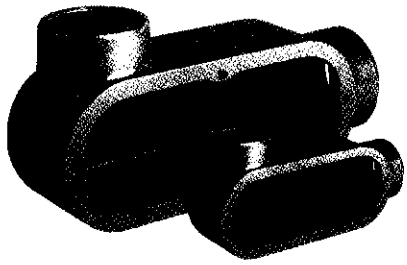


C Type

HUBBELL
KILLARK®



LB Type



LL Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

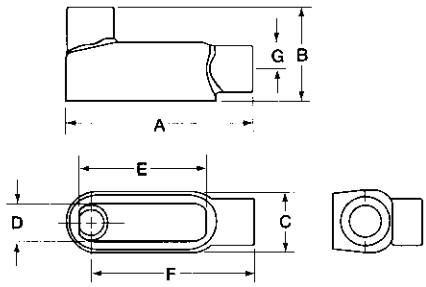
CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

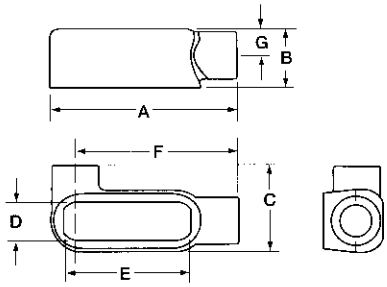
DURALOY 8

See page F11 for Standard Materials & Finish

Dimensions



LB Type



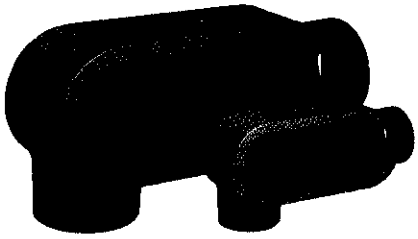
LL Type

LB TYPE CONDUIT BODY

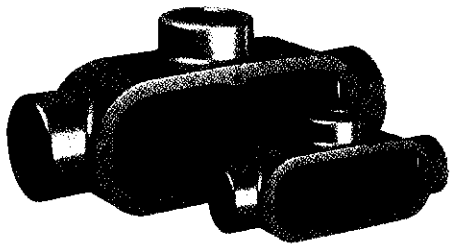
CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
LB18	1/2"	5-3/32" (129)	2-9/32" (58)	1-15/32" (37)	1" (25)	3-9/32" (83)	4-3/8" (111)	5/8" (16)	5.0
LB28	3/4"	5-3/4" (146)	2-1/2" (64)	1-21/32" (42)	1-3/16" (30)	3-15/16" (100)	4-29/32" (125)	3/4" (19)	8.0
LB38	1"	6-5/8" (168)	2-29/32" (74)	1-27/32" (47)	1-3/8" (35)	4-17/32" (115)	5-23/32" (145)	7/8" (22)	13.0
LB448	1-1/4"	7-1/2" (191)	3-5/16" (84)	2-5/32" (55)	1-3/4" (44)	5-15/16" (151)	6-13/32" (163)	1-3/32" (28)	24.0
LB58	1-1/2"	9-1/8" (232)	4-1/32" (102)	4-25/32" (121)	2-3/32" (53)	6-1/2" (165)	7-3/4" (197)	1-3/8" (35)	42.0
LB68	2"	11-1/8" (283)	4-13/16" (122)	4-13/16" (122)	3" (76)	8-5/8" (219)	9-3/16" (233)	1-7/8" (48)	105.0
LB78	2-1/2"	13-15/16" (354)	6-1/8" (156)	6-1/8" (156)	4-1/4" (108)	10-7/8" (276)	11-7/16" (291)	2-1/2" (64)	200.0
LB888	3"	13-15/16" (354)	6-1/2" (165)	6-1/2" (165)	4-1/4" (108)	10-7/8" (276)	11-7/16" (291)	2-1/2" (64)	217.0
LB98	3-1/2"	16-7/8" (429)	7-9/16" (192)	7-9/16" (192)	5-7/16" (138)	13-7/8" (352)	13-3/4" (349)	3-1/8" (79)	380.0
LB108	4"	16-7/8" (429)	7-13/16" (198)	7-13/16" (198)	5-7/16" (138)	13-7/8" (352)	13-3/4" (349)	3-1/8" (79)	400.0

LL TYPE CONDUIT BODY

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
LL18	1/2"	5-3/32" (129)	2-9/32" (56)	1-15/32" (37)	1" (25)	3-9/32" (83)	4-3/8" (111)	5/8" (16)	5.0
LL28	3/4"	5-3/4" (146)	2-1/2" (64)	1-21/32" (42)	1-3/16" (30)	3-15/16" (100)	4-29/32" (125)	3/4" (19)	8.0
LL38	1"	6-5/8" (168)	2-29/32" (74)	1-27/32" (47)	1-3/8" (35)	4-17/32" (115)	5-23/32" (145)	7/8" (22)	13.0
LL448	1-1/4"	7-1/2" (191)	3-5/16" (84)	2-5/32" (55)	1-3/4" (44)	5-15/16" (151)	6-13/32" (163)	1-3/32" (28)	24.0
LL58	1-1/2"	9-1/8" (232)	4-1/32" (102)	4-25/32" (121)	2-3/32" (53)	6-1/2" (165)	7-3/4" (197)	1-3/8" (35)	42.0
LL68	2"	11-1/8" (283)	4-13/16" (122)	4-13/16" (122)	3" (76)	8-5/8" (219)	9-3/16" (233)	1-7/8" (48)	105.0
LL78	2-1/2"	13-15/16" (354)	6-1/8" (156)	6-1/8" (156)	4-1/4" (108)	10-7/8" (276)	11-7/16" (291)	2-1/2" (64)	200.0
LL888	3"	13-15/16" (354)	6-1/2" (165)	6-1/2" (165)	4-1/4" (108)	10-7/8" (276)	11-7/16" (291)	2-1/2" (64)	217.0



LR Type



T Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

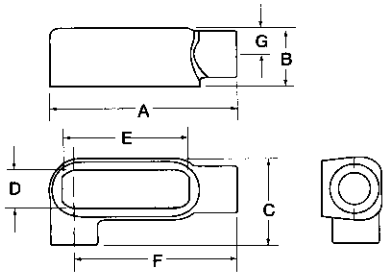
CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

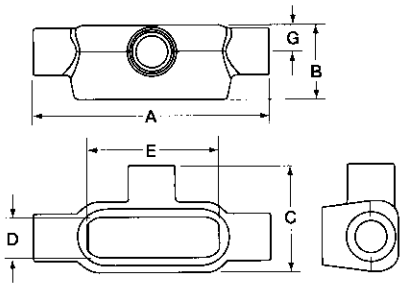
DURALOY 8

See page F11 for Standard Materials & Finish

Dimensions



LR Type



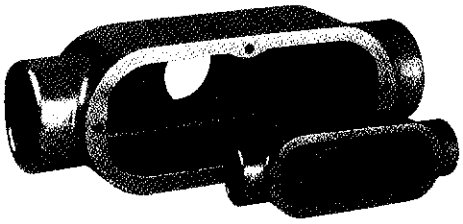
T Type

LR TYPE CONDUIT BODY

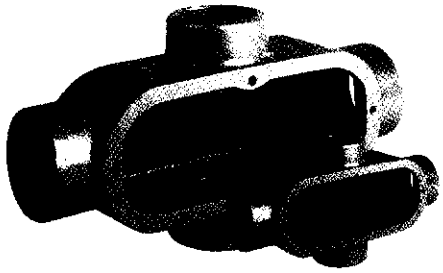
CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
LR18	1/2"	5-3/32" (129)	1-15/16" (49)	2-9/32" (58)	1" (52)	3-9/32" (83)	4-3/8" (111)	5/8" (16)	5.0
LR28	3/4"	5-3/4" (146)	1-11/16" (43)	2-1/2" (64)	1-3/16" (30)	3-15/16" (84)	4-29/32" (125)	3/4" (19)	8.0
LR38	1"	6-5/8" (168)	1-31/32" (50)	2-29/32" (74)	1-3/8" (35)	4-17/32" (115)	5-23/32" (145)	7/8" (22)	13.0
LR448	1-1/4"	7-1/2" (191)	2-3/8" (60)	3-5/16" (84)	1-3/4" (44)	5-15/16" (151)	6-13/32" (163)	1-3/32" (28)	24.0
LR58	1-1/2"	9-1/8" (232)	2-25/32" (71)	4-1/32" (102)	2-3/32" (53)	6-1/2" (165)	7-3/4" (199)	1-3/8" (35)	42.0
LR68	2"	11-1/8" (283)	3-9/16" (90)	4-13/16" (122)	3" (76)	8-5/8" (219)	9-3/16" (233)	1-7/8" (48)	105.0
LR78	2-1/2"	13-15/16" (354)	4-7/16" (113)	6-1/8" (156)	4-1/4" (108)	10-7/8" (276)	11-7/16" (291)	2-1/2" (64)	200.0
LR888	3"	13-15/16" (354)	4-13/16" (122)	6-1/2" (165)	4-1/4" (108)	10-7/8" (276)	11-7/16" (291)	2-1/2" (64)	217.0

T TYPE CONDUIT BODY

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
T18	1/2"	5-15/16" (151)	1-25/32" (45)	2-5/16" (59)	1" (25)	3-9/32" (83)	—	5/8" (16)	6.0
T28	3/4"	6-9/16" (167)	2" (51)	2-1/2" (64)	1-3/16" (30)	3-15/16" (100)	—	3/4" (19)	10.0
T38	1"	7-9/16" (192)	2-9/32" (58)	2-25/32" (71)	1-3/8" (35)	4-17/32" (115)	—	7/8" (22)	15.0
T448	1-1/4"	8-7/16" (214)	2-5/8" (67)	3-1/8" (79)	1-3/4" (44)	5-5/16" (135)	—	1-3/32" (28)	25.0
T58	1-1/2"	10-3/8" (264)	2-25/32" (71)	4-1/32" (102)	2-3/32" (53)	6-1/2" (165)	—	1-3/8" (35)	44.0
T68	2"	12-3/8" (314)	3-9/16" (90)	5-1/8" (130)	3" (76)	8-5/8" (219)	—	1-7/8" (48)	105.0
T78	2-1/2"	15-5/8" (397)	4-7/16" (113)	6-11/16" (170)	4-1/4" (108)	10-11/16" (271)	—	2-1/2" (64)	200.0
T88	3"	15-5/8" (397)	4-13/16" (122)	6-11/16" (170)	4-1/4" (108)	10-11/16" (271)	—	2-1/2" (64)	217.0



TB Type



X Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

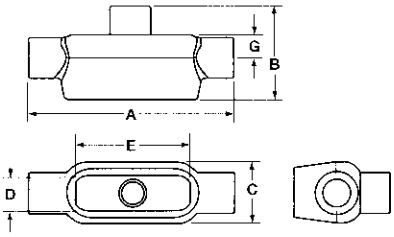
CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

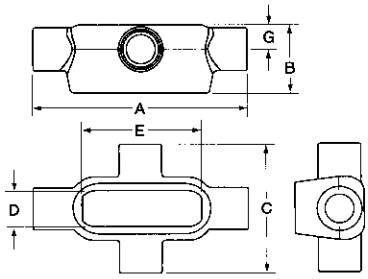
DURALOY 8

See page F11 for Standard Materials & Finish

Dimensions



TB Type



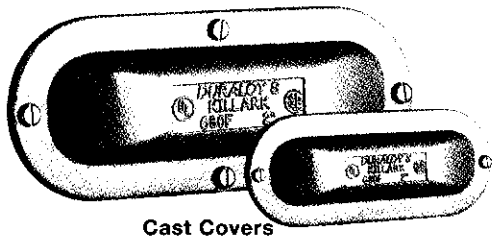
X Type

TB TYPE CONDUIT BODY

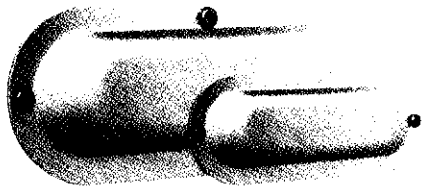
CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
TB18	1/2"	5-15/16" (151)	2-15/16" (75)	1-15/16" (49)	1" (25)	3-9/32" (83)	—	5/8" (16)	6.0
TB28	3/4"	6-9/16" (167)	2-1/2" (64)	1-21/32" (42)	1-3/16" (30)	3-15/16" (100)	—	3/4" (19)	10.0
TB38	1"	7-9/16" (192)	2-25/32" (71)	1-27/32" (47)	1-3/8" (35)	4-17/32" (115)	—	7/8" (22)	15.0
TB448	1-1/4"	8-7/16" (214)	3-1/8" (79)	2-3/16" (55)	1-3/4" (44)	5-5/16" (135)	—	1-3/32" (26)	25.0
TB58	1-1/2"	10-3/8" (264)	4-1/32" (102)	2-25/32" (71)	2-3/32" (53)	6-1/2" (165)	—	1-3/8" (35)	44.0
TB68	2"	12-3/8" (314)	5-1/8" (130)	3-7/8" (98)	3" (76)	8-5/8" (219)	—	1-7/8" (48)	105.0

X TYPE CONDUIT BODY

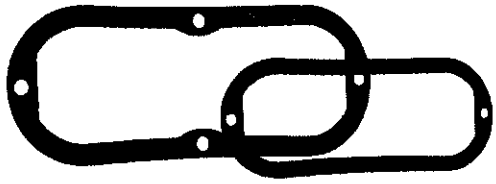
CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
X18	1/2"	5-15/16" (151)	1-25/32" (45)	3-1/8" (79)	1" (25)	3-9/32" (83)	—	5/8" (16)	6.0
X28	3/4"	6-9/16" (167)	2" (51)	3-15/16" (100)	1-3/16" (30)	3-15/16" (100)	—	3/4" (19)	10.0
X38	1"	7-9/16" (192)	2-9/32" (58)	3-23/32" (94)	1-3/8" (35)	4-17/32" (115)	—	7/8" (22)	15.0
X48	1-1/4"	8-7/16" (214)	2-5/8" (67)	4-1/16" (103)	1-3/4" (44)	5-5/16" (135)	—	1-3/32" (26)	25.0
X58	1-1/2"	10-3/8" (264)	2-25/32" (71)	5-9/32" (134)	2-3/32" (53)	6-1/2" (165)	—	1-3/8" (35)	44.0
X68	2"	12-3/8" (314)	3-9/16" (90)	6-3/8" (162)	3" (76)	8-5/8" (219)	—	1-7/8" (48)	105.0



Cast Covers



Stamped Steel Covers



Cover Gaskets (Neoprene)

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

DURALOY 8

See page F11 for Standard Materials & Finish

Cast Material/Finish
Duraloy Class 30 Gray Iron Alloy

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating
- 300 Series stainless steel screws

CAST IRON COVERS

CATALOG NUMBER	HUB SIZE	OVERALL DIMENSIONS		
		LENGTH	WIDTH	HEIGHT
180F	1/2"	4-7/32"(107)	1-15/32"(37)	3/8"(10)
280F	3/4"	4-13/16"(122)	1-21/32"(42)	3/8"(10)
380F	1"	5-19/32"(142)	1-27/32"(47)	5/8"(16)
480F	1-1/4"	6-9/16"(167)	2-3/16"(56)	5/8"(16)
580F	1-1/2"	7-7/8"(200)	2-25/32"(71)	5/8"(16)
680F	2"	9-3/4"(248)	3-7/8"(98)	5/8"(16)
880F	2-1/2"	12-1/4"(311)	5"(127)	5/8"(16)
880F	3"	12-1/4"(311)	5"(127)	5/8"(16)
980F	3-1/2"	15"(381)	6-1/4"(159)	5/8"(16)
980F	4"	15"(381)	6-1/4"(159)	5/8"(16)

Galvanized Steel

- Natural finish
- 300 Series stainless steel screws

STAMPED STEEL COVERS

CATALOG NUMBER	HUB SIZE	OVERALL DIMENSIONS		
		LENGTH	WIDTH	HEIGHT
180S	1/2"	4-7/32"(107)	1-15/32"(37)	5/16"(8)
280S	3/4"	4-13/16"(122)	1-21/32"(42)	5/16"(8)
380S	1"	5-19/32"(142)	1-27/32"(47)	5/16"(8)
480S	1-1/4"	6-9/16"(167)	2-3/16"(56)	5/16"(8)
580S	1-1/2"	7-7/8"(200)	2-25/32"(71)	5/16"(8)
680S	2"	9-3/4"(248)	3-7/8"(98)	5/16"(8)
880S	2-1/2"	12-1/4"(311)	5"(127)	9/16"(14)
880S	3"	12-1/4"(311)	5"(127)	9/16"(14)
980S	3-1/2"	15"(381)	6-1/4"(159)	9/16"(14)
980S	4"	15"(381)	6-1/4"(159)	9/16"(14)

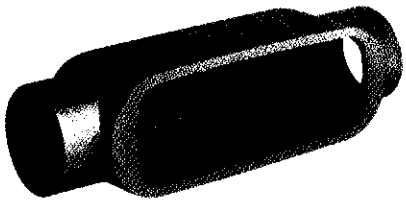
Material/Finish

- Neoprene. Compression molded.

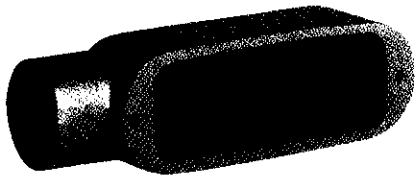
COVER GASKETS

CATALOG NUMBER	HUB SIZE	OVERALL DIMENSIONS		
		LENGTH	WIDTH	HEIGHT
GASK851N	1/2"	4-7/32"(107)	1-15/32"(37)	1/8"(3)
GASK852N	3/4"	4-13/16"(122)	1-21/32"(42)	1/8"(3)
GASK853N	1"	5-19/32"(142)	1-27/32"(47)	1/8"(3)
GASK854N	1-1/4"	6-9/16"(167)	2-3/16"(56)	1/8"(3)
GASK805N	1-1/2"	7-7/8"(200)	2-25/32"(71)	1/8"(3)
GASK806N	2"	9-3/4"(248)	3-7/8"(98)	1/8"(3)
GASK807N	2-1/2"	12-1/4"(311)	5"(127)	1/8"(3)
GASK808N	3"	12-1/4"(311)	5"(127)	1/8"(3)
GASK809N	3-1/2"	15"(381)	6-1/4"(159)	1/8"(3)
GASK809N	4"	15"(381)	6-1/4"(159)	1/8"(3)

HUBBELL
KILLARK



C Type



E Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

DURALOY 35

Applications

To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features

- Tapered threaded hubs (NPT)
- Raintight when used with gasketed covers
- Malleable iron suitable for use in concrete
- Interchangeable with competitive products
- Stainless steel screws on stamped and cast covers

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Duraloy Malleable Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating.

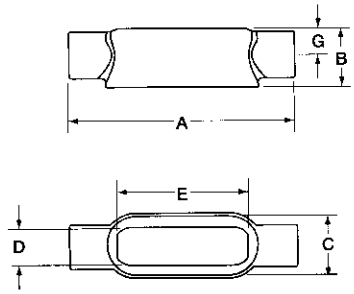
C TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OC-1	OC-1M	1/2"	5-3/8" (137)	1-3/8" (35)	1-3/8" (35)	1" (25)	3-5/32" (80)	—	5/8" (16)	4.0
OC-2	OC-2M	3/4"	6-1/8" (156)	1-5/8" (41)	1-5/8" (67)	1-7/32" (31)	3-25/32" (96)	—	3/4" (19)	7.0
OC-3	OC-3M	1"	7-1/8" (181)	2" (51)	1-7/8" (48)	1-15/32" (37)	4-17/32" (115)	—	15/16" (24)	12.0
OC-4	OC-4M	1-1/4"	9-1/8" (232)	2-5/8" (67)	2-5/8" (67)	2" (51)	6" (152)	—	1-3/16" (30)	32.0
OC-5	OC-5M	1-1/2"	9-1/4" (235)	2-3/4" (70)	2-5/8" (67)	2" (51)	6" (152)	—	1-3/8" (32)	36.0
OC-6	OC-6M	2"	11-7/8" (302)	3-1/2" (89)	3-1/8" (79)	2-9/16" (65)	8-1/16" (205)	—	1-5/8" (38)	70.0
OC-7	OC-7M	2-1/2"	15-1/8" (384)	4" (102)	4-3/8" (111)	3-11/16" (94)	10-5/8" (270)	—	1-13/16" (54)	153.0
OC-8	OC-8M	3"	15-1/8" (384)	4-3/4" (121)	4-3/8" (111)	3-11/16" (94)	10-5/8" (270)	—	2-3/16" (54)	181.0
OC-9	OC-9M	3-1/2"	18-3/8" (467)	5-1/2" (140)	5-1/2" (140)	4-7/8" (124)	13-1/8" (333)	—	2-1/2" (67)	290.0
OC-0	OC-0M	4"	18-3/8" (467)	5-5/8" (143)	5-1/2" (140)	4-7/8" (124)	13-1/8" (333)	—	2-3/4" (67)	320.0

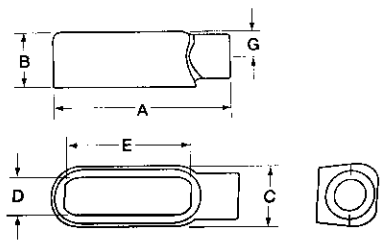
E TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OE-1	OE-1M	1/2"	4-5/8" (117)	4-5/8" (117)	1-3/8" (35)	1" (25)	3-9/32" (83)	—	5/8" (16)	4.0
OE-2	OE-2M	3/4"	5-3/8" (137)	5-3/8" (137)	1-5/8" (41)	1-7/32" (29)	3-15/16" (100)	—	3/4" (19)	7.0
OE-3	OE-3M	1"	6-1/4" (159)	6-1/4" (159)	1-7/8" (48)	1-15/32" (35)	4-17/32" (115)	—	7/8" (22)	12.0

Dimensions

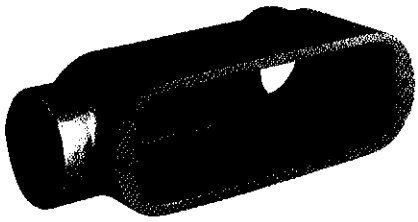


C Type

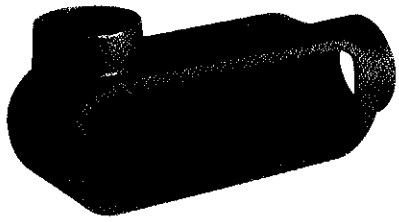


E Type

HUBBELL
KILLARK®



LB Type



LL Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

(UL) Listed File No. E3397

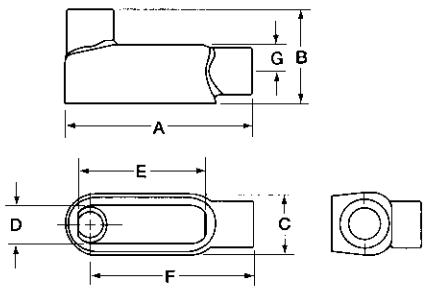
(CSA) Certified File No. LR11852

FEATURES-SPECIFICATIONS

DURALOY 35

See page F16 for Standard Materials & Finish

Dimensions



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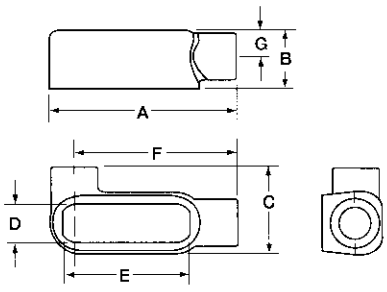


LL Type

LB TYPE CONDUIT BODY

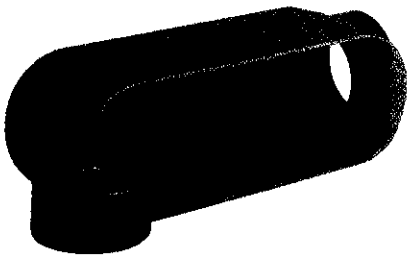
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OLB-1	OLB-1M	1/2"	5-3/32" (129)	2-9/32" (83)	1-3/8" (35)	1" (25)	3-5/32" (80)	4-3/8" (111)	5/8" (16)	4.0
OLB-2	OLB-2M	3/4"	5-3/4" (146)	2-1/2" (64)	1-5/8" (41)	1-7/32" (31)	3-25/32" (96)	4-29/32" (125)	3/4" (19)	7.0
OLB-3	OLB-3M	1"	6-5/8" (168)	2-29/32" (74)	1-7/8" (48)	1-15/32" (37)	4-17/32" (115)	5-23/32" (145)	15/16" (24)	12.0
OLB-4	OLB-4M	1-1/4"	7-1/2" (191)	3-3/16" (81)	2-5/8" (67)	2" (51)	6" (152)	6-13/32" (162)	1-3/16" (30)	32.0
OLB-5	OLB-5M	1-1/2"	9-1/8" (232)	4" (102)	2-5/8" (67)	2" (51)	6" (152)	17-3/4" (451)	1-3/8" (32)	36.0
OLB-6	OLB-6M	2"	11-1/8" (283)	4-13/16" (122)	3-1/8" (79)	2-9/16" (65)	8-1/16" (205)	9-5/32" (233)	1-5/8" (38)	70.0
OLB-7	OLB-7M	2-1/2"	13-15/16" (354)	6-1/8" (156)	4-3/8" (111)	3-11/16" (94)	10-5/8" (270)	11-7/16" (291)	2-1/2" (64)	142.0
OLB-8	OLB-8M	3"	13-15/16" (354)	6-1/2" (165)	4-3/8" (111)	3-11/16" (94)	10-5/8" (270)	11-7/16" (291)	2-3/16" (54)	173.0
OLB-9	OLB-9M	3-1/2"	16-7/8" (429)	7-9/16" (192)	5-1/2" (140)	4-7/8" (124)	13-1/8" (333)	13-3/4" (349)	2-1/2" (67)	292.0
OLB-0	OLB-0M	4"	16-7/8" (429)	7-13/16" (198)	5-1/2" (140)	4-7/8" (124)	13-1/8" (333)	13-3/4" (349)	2-3/4" (70)	324.0
OLB-12*	—	5"	20-1/4" (514)	9-1/4" (234)	7-3/8" (187)	6-7/16" (164)	16-3/16" (411)	17-3/8" (441)	3-5/8" (92)	732.0

**OLB-12 includes cover and gasket.*

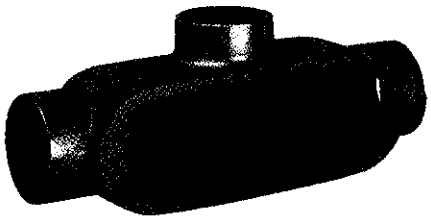
LL TYPE CONDUIT BODY

OLL-1	OLL-1M	1/2"	4-5/8" (117)	1-3/8" (35)	2" (51)	1" (25)	3-5/32" (80)	—	5/8" (16)	4.0
OLL-2	OLL-2M	3/4"	5-3/8" (137)	1-5/8" (41)	2-3/16" (56)	1-7/32" (31)	3-25/32" (96)	—	3/4" (19)	7.0
OLL-3	OLL-3M	1"	6-1/4" (159)	2" (51)	2-9/16" (65)	1-15/32" (37)	4-17/32" (115)	—	15/16" (24)	12.0
OLL-4	OLL-4M	1-1/4"	8-1/8" (206)	2-5/8" (67)	3-1/2" (89)	2" (51)	6" (152)	—	1-3/16" (30)	32.0
OLL-5	OLL-5M	1-1/2"	8-1/8" (206)	2-3/4" (70)	3-1/2" (89)	2" (51)	6" (152)	—	1-3/8" (32)	36.0
OLL-6	OLL-6M	2"	10-9/16" (268)	3-1/2" (89)	4-3/16" (106)	2-9/16" (65)	8-1/16" (205)	—	1-5/8" (38)	70.0
OLL-7	OLL-7M	2-1/2"	13-11/16" (348)	4" (102)	5-3/4" (146)	3-11/16" (94)	10-5/8" (270)	—	1-13/16" (46)	142.0
OLL-8	OLL-8M	3"	13-11/16" (348)	4-3/4" (121)	5-3/4" (146)	3-11/16" (94)	10-5/8" (270)	—	2-3/16" (54)	173.0
OLL-9	OLL-9M	3-1/2"	16-1/2" (419)	5-1/2" (140)	7-1/8" (181)	4-7/8" (124)	13-1/8" (333)	—	2-1/2" (67)	292.0
OLL-0	OLL-0M	4"	16-1/2" (419)	5-5/8" (143)	7-1/8" (181)	4-7/8" (124)	13-1/8" (333)	—	2-3/4" (70)	324.0

HUBBELL
KILLARK®



LR Type



T Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

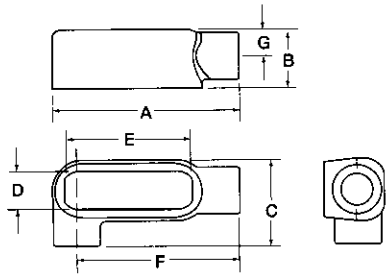
CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

DURALOY 35

See page F16 for Standard Materials & Finish

Dimensions



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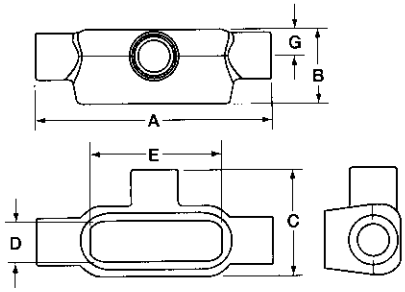


T Type

LR TYPE CONDUIT BODY

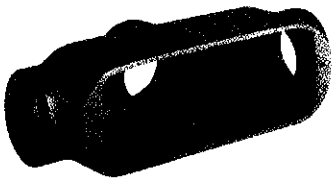
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OLR-1	OLR-1M	1/2"	4-5/8" (117)	1-3/8" (35)	2" (35)	1" (25)	3-5/32" (80)	4-3/8" (111)	5/8" (16)	4.0
OLR-2	OLR-2M	3/4"	5-3/8" (137)	1-5/8" (41)	2-3/16" (67)	1-7/32" (31)	3-25/32" (96)	4-29/32" (125)	3/4" (19)	7.0
OLR-3	OLR-3M	1"	6-1/4" (159)	2" (51)	2-9/16" (65)	1-15/32" (37)	4-17/32" (115)	5-23/32" (145)	15/16" (24)	12.0
OLR-4	OLR-4M	1-1/4"	8-1/8" (206)	2-5/8" (67)	3-1/2" (89)	2" (51)	6" (152)	6-13/32" (162)	1-3/16" (30)	32.0
OLR-5	OLR-5M	1-1/2"	8-1/8" (206)	2-3/4" (70)	3-1/2" (89)	2" (51)	6" (152)	17-3/4" (451)	1-3/8" (32)	36.0
OLR-6	OLR-6M	2"	10-9/16" (268)	3-1/2" (89)	4-3/16" (106)	2-9/16" (65)	8-1/16" (205)	9-5/32" (233)	1-5/8" (38)	70.0
OLR-7	OLR-7M	2-1/2"	13-11/16" (348)	4" (102)	5-3/4" (146)	3-11/16" (93)	10-5/8" (270)	11-7/16" (291)	1-13/16" (54)	142.0
OLR-8	OLR-8M	3"	13-11/16" (348)	4-3/4" (121)	5-3/4" (146)	3-11/16" (93)	10-5/8" (270)	11-7/16" (291)	2-3/16" (54)	173.0
OLR-9	OLR-9M	3-1/2"	16-1/2" (419)	5-1/2" (140)	7-1/8" (181)	4-7/8" (124)	13-1/8" (333)	13-3/4" (349)	2-1/2" (67)	292.0
OLR-0	OLR-0M	4"	16-1/2" (419)	5-5/8" (143)	7-1/8" (181)	4-7/8" (124)	13-1/8" (333)	13-3/4" (349)	2-3/4" (67)	324.0

T TYPE CONDUIT BODY

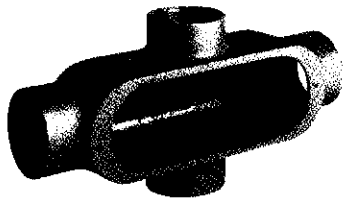
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OT-1	OT-1M	1/2"	5-3/8" (137)	1-3/8" (35)	2" (35)	1" (25)	3-5/32" (80)	—	5/8" (16)	4.0
OT-2	OT-2M	3/4"	6-1/16" (154)	1-5/8" (41)	2-3/16" (67)	1-7/32" (31)	3-25/32" (96)	—	3/4" (19)	7.0
OT-3	OT-3M	1"	7-1/8" (181)	2" (51)	2-9/16" (65)	1-15/32" (37)	4-17/32" (115)	—	15/16" (24)	12.0
OT-4	OT-4M	1-1/4"	9-3/16" (233)	2-5/8" (67)	3-1/2" (89)	2" (51)	6" (152)	—	1-3/16" (30)	32.0
OT-5	OT-5M	1-1/2"	9-3/16" (233)	2-3/4" (70)	3-1/2" (89)	2" (51)	6" (152)	—	1-3/8" (32)	36.0
OT-6	OT-6M	2"	11-5/8" (295)	3-1/2" (89)	4-3/16" (106)	2-9/16" (65)	8-1/16" (205)	—	1-5/8" (38)	70.0
OT-7	OT-7M	2-1/2"	15-1/8" (384)	4" (102)	5-3/4" (146)	3-11/16" (94)	10-5/8" (270)	—	1-13/16" (54)	142.0
OT-8	OT-8M	3"	15-1/8" (384)	4-3/4" (121)	5-3/4" (146)	3-11/16" (94)	10-5/8" (270)	—	2-3/16" (54)	173.0
OT-9	OT-9M	3-1/2"	18-1/8" (460)	5-1/2" (140)	7-1/8" (181)	4-7/8" (124)	13-1/8" (333)	—	2-1/2" (67)	292.0
OT-0	OT-0M	4"	18-1/8" (460)	5-5/8" (143)	7-1/8" (181)	4-7/8" (124)	13-1/8" (333)	—	2-3/4" (67)	324.0

HUBBELL
KILLARK

TA Type



TB Type



X Type

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D/A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

Listed File No. E3397

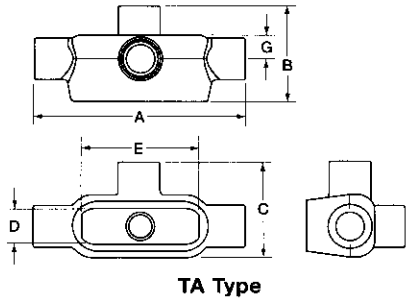
Certified File No. LR11852

FEATURES-SPECIFICATIONS

DURALOY 35

See page F16 for Standard Materials & Finish

Dimensions



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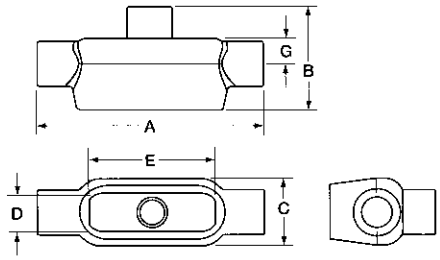
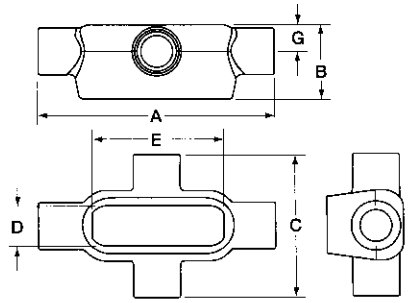


TB Type



X Type

TA TYPE CONDUIT BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OTA-1	OTA-1M	1/2"	5-3/8" (137)	2-1/8" (54)	2" (51)	1" (25)	3-5/32" (80)	—	5/8" (16)	4.0
OTA-2	OTA-2M	3/4"	6-1/16" (154)	2-15/16" (75)	2-3/16" (56)	1-7/32" (29)	3-25/32" (96)	—	3/4" (19)	7.0
—	OTA-3M	1"	7-1/8" (181)	2-11/16" (68)	2-9/16" (65)	1-15/32" (35)	4-17/32" (115)	—	15/16" (24)	12.0

TB TYPE CONDUIT BODY

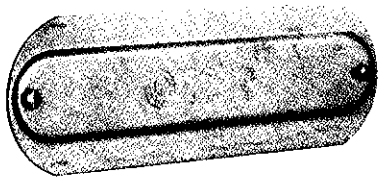
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OTB-1	OTB-1M	1/2"	5-3/8" (137)	2-1/8" (54)	1-5/16" (33)	1" (25)	3-5/32" (80)	—	5/8" (16)	4.0
OTB-2	OTB-2M	3/4"	6-1/16" (160)	2-5/16" (59)	1-9/16" (40)	1-7/32" (31)	3-25/32" (96)	—	3/4" (19)	7.0
OTB-3	OTB-3M	1"	7-1/8" (181)	2-11/16" (68)	1-13/16" (46)	1-15/32" (37)	4-17/32" (115)	—	15/16" (24)	12.0
OTB-4	OTB-4M	1-1/4"	9-3/16" (233)	3-9/16" (90)	2-1/2" (64)	2" (51)	6" (152)	—	1-3/16" (30)	32.0
OTB-5	OTB-5M	1-1/2"	9-3/16" (233)	3-3/4" (92)	2-1/2" (64)	2" (51)	6" (152)	—	1-3/8" (35)	36.0
OTB-6	OTB-6M	2"	11-5/8" (295)	4-5/8" (117)	3-1/8" (79)	2-9/16" (65)	8-1/16" (205)	—	1-5/8" (41)	70.0

X TYPE CONDUIT BODY

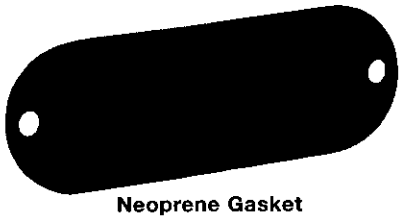
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
OX-1	OX-1M	1/2"	5-3/8" (137)	1-3/4" (44)	1-11/16" (43)	1" (25)	3-5/32" (80)	—	5/8" (16)	4.0
OX-2	OX-2M	3/4"	6-1/16" (160)	2" (51)	2-7/8" (73)	1-7/32" (31)	3-25/32" (96)	—	3/4" (19)	7.0
OX-3	OX-3M	1"	7-1/8" (181)	2-1/4" (57)	3-3/8" (86)	1-15/32" (37)	4-17/32" (115)	—	15/16" (24)	12.0
OX-4	OX-4M	1-1/4"	9-3/16" (233)	2-9/16" (65)	4-1/2" (114)	2" (51)	6" (152)	—	1-3/16" (30)	32.0
OX-5	OX-5M	1-1/2"	9-3/16" (233)	2-3/4" (70)	4-1/2" (114)	2" (51)	6" (152)	—	1-3/8" (35)	36.0
OX-6	OX-6M	2"	11-5/8" (295)	3-3/8" (85)	5-1/4" (133)	2-9/16" (65)	8-1/16" (205)	—	1-5/8" (41)	70.0

HUBBELL

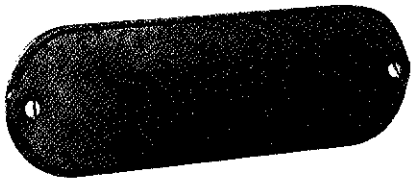
KILLARK



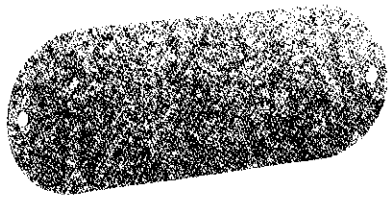
Aluminum and Steel Stamped Covers



Neoprene Gasket



Cast Iron Covers



Fiber Gasket

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D / A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

UL Listed File No. E3397

CSA Certified File No. LR11852

FEATURES-SPECIFICATIONS

DURALOY 35

Stamped Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)

- Natural finish
- 300 Series stainless steel screws

Galvanized Steel

- Natural finish
- 300 Series stainless steel screws

ALUMINUM AND STEEL STAMPED COVERS

CATALOG NUMBER		HUB SIZE	DIMENSIONS		
KILLARK ALUMINUM	STEEL		LENGTH	WIDTH	HEIGHT
OL-10	OL-10M	1/2"	3-15/16"(100)	1-3/8"(35)	3/8"(10)
OL-20	OL-20M	3/4"	4-5/8"(117)	1-5/8"(41)	3/8"(10)
OL-30	OL-30M	1"	5-3/8"(137)	1-7/8"(48)	5/8"(16)
OL-450	OL-45M	1-1/4"	7-3/16"(183)	2-5/8"(67)	5/8"(16)
OL-450	OL-45M	1-1/2"	7-3/16"(183)	2-5/8"(67)	5/8"(16)
OL-60	OL-60M	2"	9-1/2"(241)	3-1/8"(79)	5/8"(16)
OL-780	OL-78M	2-1/2"	12-1/4"(311)	4-3/8"(111)	5/8"(16)
OL-780	OL-78M	3"	12-1/4"(311)	4-3/8"(111)	5/8"(16)
OL-900	OL-90M	3-1/2"	14-7/8"(378)	5-1/2"(140)	5/8"(16)
OL-900	OL-90M	4"	14-7/8"(378)	5-1/2"(140)	5/8"(16)

Cast Material/Finish
Duraloy Malleable Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating
- 300 Series stainless steel screws

CAST IRON COVERS

CATALOG NUMBER	HUB SIZE	DIMENSIONS		
		LENGTH	WIDTH	HEIGHT
OL-10CM	1/2"	3-15/16"(100)	1-3/8"(35)	3/8"(10)
OL-20CM	3/4"	4-5/8"(117)	1-5/8"(41)	3/8"(10)
OL-30CM	1"	5-3/8"(137)	1-7/8"(48)	5/8"(16)
OL-45CM	1-1/4"	7-3/16"(183)	2-5/8"(67)	5/8"(16)
OL-45CM	1-1/2"	7-3/16"(183)	2-5/8"(67)	5/8"(16)
OL-60CM	2"	9-1/2"(241)	3-1/8"(79)	5/8"(16)
OL-78CM	2-1/2"	12-1/4"(311)	4-3/8"(111)	5/8"(16)
OL-78CM	3"	12-1/4"(311)	4-3/8"(111)	5/8"(16)
OL-90CM	3-1/2"	14-7/8"(378)	5-1/2"(140)	5/8"(16)
OL-90CM	4"	14-7/8"(378)	5-1/2"(140)	5/8"(16)

Material/Finish

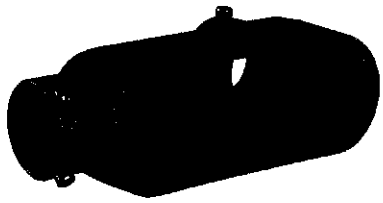
- Neoprene or fiber

GASKETS

HUB SIZE	CATALOG NUMBER	
	NEOPRENE	FIBER
1/2"	OLK-1RG	OLK-1VG
3/4"	OLK-2RG	OLK-2VG
1"	OLK-3RG	OLK-3VG
1-1/4"	OL-45-RG	OL-45-VG
1-1/2"	OL-45-RG	OL-45-VG
2"	OL-6-RG	OL-6-VG
2-1/2"	OL-78-RG	OL-78-VG
3"	OL-78-RG	OL-78-VG
3-1/2"	OL-90-RG	OL-90-VG
4"	OL-90-RG	OL-90-VG

HUBBELL
KILLARK

TWOC Type



TWOLB Type

LISTED - FILE E3397

CERTIFIED - FILE LR11852
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- For use with E.M.T conduit thin wall
- To make bends in the conduit system
- Connect conduit sections
- Provide access to the conduit system
- As a pulling outlet
- Provide openings for taps or splices

Features

- Easy installation (screwdriver is only tool required)
- Complete selection of sizes and hub configurations

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating
- Aluminum and iron type 35 covers and gaskets can be used with TW series bodies. See page F23

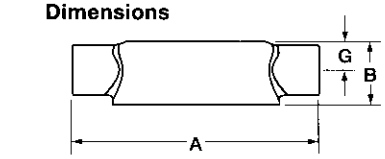
TWO C TYPE CONDUIT BODY

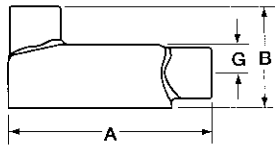
CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
TWOC-1	1/2"	5-3/16" (132)	15/16" (24)	1-5/16" (33)	1-1/8" (29)	3-1/2" (89)	—	5/8" (16)	4.0
TWOC-2	3/4"	5-3/4" (146)	1-1/2" (38)	2-5/16" (59)	1-3/16" (30)	4-1/8" (105)	—	3/4" (19)	7.0
TWOC-3	1"	7-1/16" (179)	1-3/4" (44)	1-3/4" (44)	1-1/2" (38)	4-7/8" (124)	—	7/8" (22)	12.0

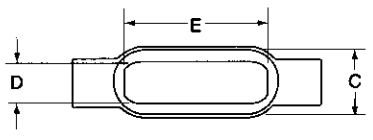
TWO LB TYPE CONDUIT BODY

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
TWOLB-1	1/2"	4-1/2"" (114)	1-5/16" (33)	2-9/32" (58)	1-1/8" (29)	3-1/2" (89)	3-5/32" (80)	5/8" (16)	4.0
TWOLB-2	3/4"	5-3/16" (132)	1-1/2" (38)	2-9/16" (41)	1-5/16" (33)	4-1/8" (105)	3-3/4" (95)	3/4" (19)	7.0
TWOLB-3	1"	6-1/4" (159)	1-3/4" (44)	3-3/32" (79)	1-9/16" (40)	4-7/8" (124)	4-1/2" (114)	15/16" (24)	12.0
TWOLB-4	1-1/4"	8-1/16" (205)	2-1/2" (64)	3-3/4" (95)	2-1/4" (51)	6-1/2" (165)	6-1/16" (154)	1-3/16" (30)	32.0
TWOLB-5	1-1/2"	8-1/16" (205)	2-1/2" (64)	4" (102)	2-1/4" (51)	6-1/2" (165)	6-1/16" (154)	1-3/8" (32)	36.0
TWOLB-6	2"	10" (283)	3-1/8" (79)	4-11/16" (119)	2-7/8" (73)	8-9/16" (217)	8-1/8" (206)	1-5/8" (38)	70.0
TWOLB-7	2-1/2"	13" (330)	4-7/16" (113)	6-1/4" (159)	4-1/16" (103)	11-1/4" (286)	10-1/2" (267)	1-13/16" (54)	142.0
TWOLB-8	3"	13" (330)	4-7/16" (113)	6-1/4" (159)	4-1/16" (103)	11-1/4" (286)	10-1/2" (267)	2-3/16" (54)	173.0
TWOLB-9	3-1/2"	15-3/4" (400)	5-1/2" (140)	7-15/32" (190)	5-3/16" (132)	13-3/4" (349)	13-1/4" (337)	2-1/2" (67)	292.0
TWOLB-0	4"	15-3/4" (400)	5-1/2" (140)	7-15/32" (190)	5-3/16" (132)	13-3/4" (349)	13-1/4" (337)	2-3/4" (67)	324.0

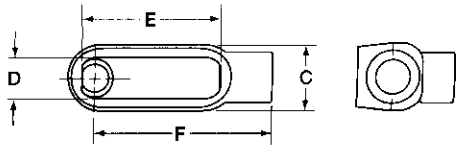
Dimensions





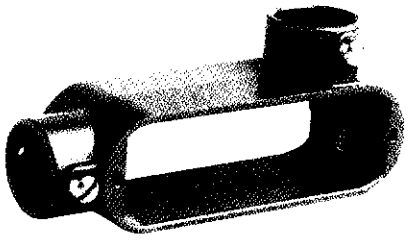


C Type



LB Type

HUBBELL
KILLARK



TWOLRL Type

TWOT Type

LISTED - FILE E3397

CERTIFIED - FILE LR11852
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications
- For use with E.M.T conduit thin wall
- To make bends in the conduit system
- Connect conduit sections
- Provide access to the conduit system
- As a pulling outlet
- Provide openings for taps or splices

Features
- Easy installation (screwdriver is only tool required)
- Complete selection of sizes and hub configurations

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating
- Aluminum and iron type 35 covers and gaskets can be used with TW series bodies. See page F23

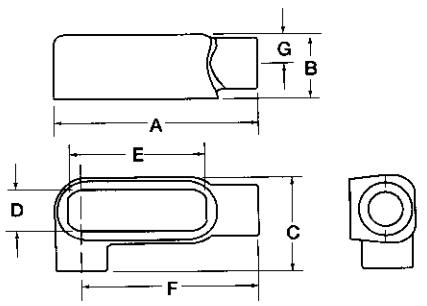
TWO LRL TYPE CONDUIT BODY

CATALOG NUMBER	CONDUIT SIZE	A	B	C	D	E	F	G	VOLUME CU. IN.
TWOLRL-1	1/2"	4-1/2" (114)	1-5/16" (33)	3-1/8" (79)	1-1/8" (29)	3-1/2" (89)	2-3/16" (56)	5/8" (16)	4.0
TWOLRL-2	3/4"	5-3/16" (132)	1-1/2" (38)	3-3/4" (95)	1-1/4" (32)	4-1/8" (105)	2-5/16" (59)	3/4" (19)	7.0
TWOLRL-3	1"	6-1/4" (159)	1-3/4" (44)	4-1/2" (114)	1-9/16" (40)	4-7/8" (124)	2-13/16" (71)	7/8" (22)	12.0

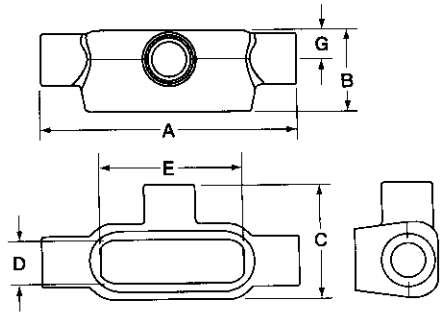
TWO T TYPE CONDUIT BODY

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
		A	B	C	D	E	F	G	
TWOT-1	1/2"	5-3/16" (132)	15/16" (24)	2-1/4 (57)	1-1/8" (29)	3-1/2" (89)	—	5/8" (16)	4.0
TWOT-2	3/4"	5-3/4" (146)	1-1/2" (38)	2-5/16" (59)	1-3/16" (30)	4-1/8" (105)	—	3/4" (19)	7.0
TWOT-3	1"	7" (178)	1-3/4" (44)	3" (76)	1-9/16" (40)	4-7/8" (124)	—	15/16" (24)	12.0
TWOT-4	1-1/4"	8-11/16" (221)	2-1/2" (64)	3-1/2" (89)	2-3/16" (56)	6-1/2" (165)	—	1-3/16" (30)	32.0
TWOT-5	1-1/2"	8-1/8" (206)	2-1/2" (64)	3-3/8" (86)	2-3/16" (56)	6-1/2" (165)	—	1-3/8" (32)	36.0
TWOT-6	2"	10" (254)	3-1/8" (79)	3-3/4" (95)	2-3/4" (70)	8-5/8" (219)	—	1-5/8" (38)	70.0

Dimensions

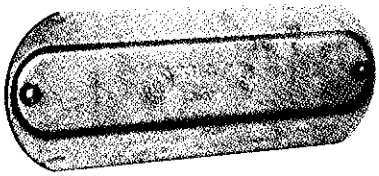


LR Type

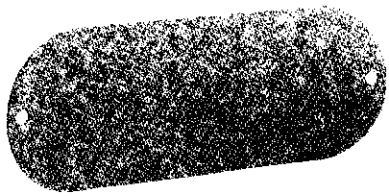


T Type

HUBBELL
KILLARK®



Stamped Aluminum Covers



Fiber Gasket

Neoprene Gasket

FEATURES-SPECIFICATIONS

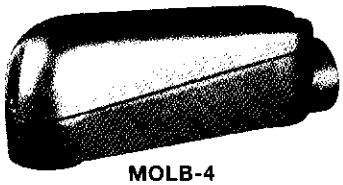
TWO COVERS AND GASKETS

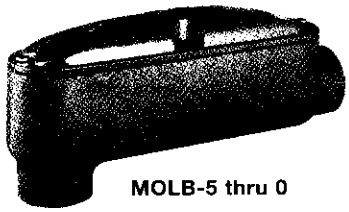
CATALOG NUMBER BLANK COVER	CATALOG NUMBER GASKET		BODY SIZE
SHEET ALUMINUM	PLANT FIBER*	NEOPRENE RUBBER	
OL-10	OLK-1VG	OLK-1RG	1/2"
OL-20	OLK-2VG	OLK-2RG	3/4"
OL-30	OLK-3VG	OLK-3RG	1"
OL-450	OL-45-VG	OL-45-RG	1-1/4 – 1-1/2
OL-60	OL-6-VG	OL-6-RG	2"
OL-780	OL-78-VG	OL-78-RG	2-1/2" – 3"
OL-900	OL-90-VG	OL-90-RG	3-1/2" – 4"

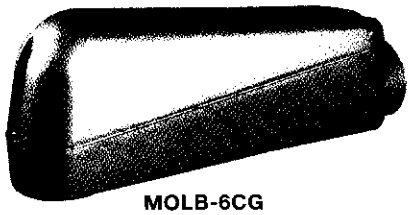
Covers furnished with stainless steel set screws.

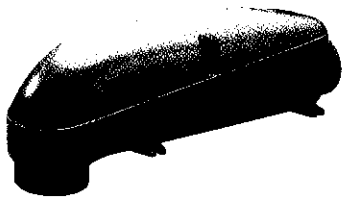
OLK series have perforated center area, removable for use with device covers.

**Armstrong type CS-301.*


MOLB-4


MOLB-5 thru 0


MOLB-6CG


MLB-12

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D / A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

Listed - File E3397

Certified - File LR11852

FEATURES-SPECIFICATIONS

Applications
- Mogul fittings are normally used where the standard "O" Series conduit bodies do not offer a sufficient amount of wiring room
- For right angle bends where splices, pulls and taps are needed in a weather-proof chamber

Features
- A raised dome cover provides additional wiring room
- Furnished with cover and gasket

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating

MOL CONDUIT BODIES

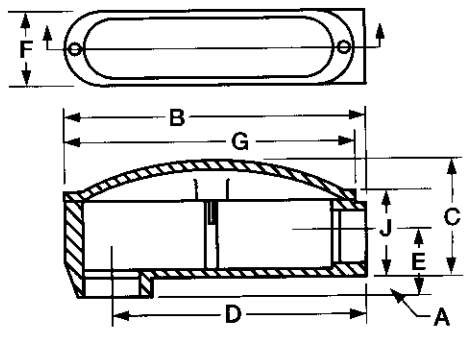
CATALOG NUMBER	CONDUIT SIZE	DIMENSIONS							
		A	B	C	D	E	F	G	J
MOLB-4*	1-1/4"	5/16" (8)	9-3/4" (248)	2-3/4" (70)	8-1/2" (445)	1" (25)	2-3/8" (60)	9-1/8" (232)	2-3/4" (70)
MOLB-5	1-1/2"	1-5/16" (33)	13-3/16" (335)	4-3/4" (121)	11-1/2" (292)	2-3/8" (60)	3-1/8" (79)	12-7/8" (327)	3-3/8" (86)
MOLB-6	2"	1-1/16" (27)	13-3/16" (335)	4-1/4" (108)	11-1/2" (292)	2-1/2" (64)	3-1/8" (79)	12-7/8" (327)	3-3/8" (86)
MOLB-6CG*	2"	1/16" (2)	14-1/2" (368)	5-3/4" (146)	13" (330)	1-3/8" (35)	3" (76)	14-1/8" (359)	3-5/16" (84)
MOLB-7	2-1/2"	1-13/16" (46)	22-5/8" (575)	6-1/4" (159)	20" (508)	3-15/16" (100)	4-7/16" (113)	21-13/16" (554)	4-7/16" (113)
MOLB-8	3"	1-13/16" (46)	22-5/8" (575)	6-1/4" (169)	20" (508)	3-15/16" (100)	4-7/16" (113)	21-13/16" (554)	4-7/16" (113)
MOLB-9	3-1/2"	1-9/16" (40)	28-11/16" (729)	7-7/8" (200)	25-9/16" (649)	4-3/16" (106)	5-1/2" (140)	28-5/16" (719)	5-1/2" (140)
MOLB-0	4"	1-9/16" (40)	28-11/16" (729)	7-7/8" (200)	25-7/16" (646)	4-3/16" (106)	5-1/2" (140)	28-5/16" (719)	5-1/2" (140)
MLB-12*	5"	2-3/8" (68)	43-1/4" (1099)	12-1/4" (311)	38-5/8" (981)	6-1/4" (159)	9" (229)	42-1/2" (1080)	8-11/16" (221)

Split cover design

MOL BLANK REPLACEMENT COVERS AND GASKETS

CATALOG NUMBER	BODY STYLE
MOL-450	1-1/4"
MOL-560	1-1/2" & 2"
MOL-6CG	2"
MOL-780	2-1/2" & 3"
MOL-900	3-1/2" & 4"

Dimensions



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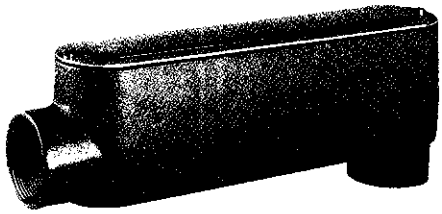


NECLB-6

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D / A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

Ⓤ Listed - File E3397

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Specially designed to meet National Electrical Code Article 370-28(a) (2) for angle pulls where the distance between the raceway entry and the opposite wall of the fitting must be at least six times the trade diameter of the raceway.
- A pull box with easy access to conductors
- A chamber with a large opening for easy access to perform changes in the conduit system
- For 90° bends in a conduit system

Features

Large cover opening (length of opening exceeds six times the trade diameter of the hub size) for easy access to conductors. Cover and gasket included

Material/Finish

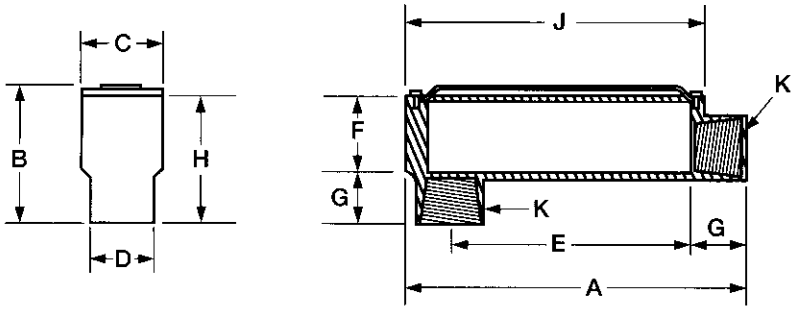
Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

NECLB CONDUIT BODIES

CATALOG NUMBER	REPLACEMENT COVER AND GASKET	HUB SIZE	A	B	C	D	E	F	G	H	J	K
NECLB-3	NECLB-30	1"	8-1/8"	3-7/16"	2"	11-9/32"	6"	2"	1-1/8"	3-1/8"	7"	1 NPT
NECLB-4	NECLB-40	1-1/4"	9-7/8"	4-1/16"	2-3/8"	11-5/16"	7-1/2"	2-1/2"	1-3/16"	3-11/16"	8-5/8"	1-1/4 NPT
NECLB-5	NECLB-50	1-1/2"	11-17/32"	5-1/16"	2-3/4"	2-3/16"	9"	3-1/2"	1-3/16"	4-11/16"	10-5/8"	1-1/2 NPT
NECLB-6	NECLB-60	2"	14-25/32"	6-3/16"	3"	2-11/16"	12"	4"	1-3/16"	5-3/16"	13-11/16"	2 NPT

Dimensions



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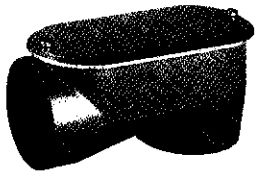
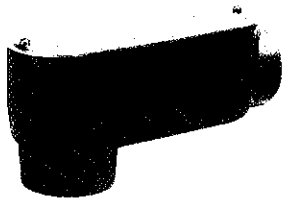
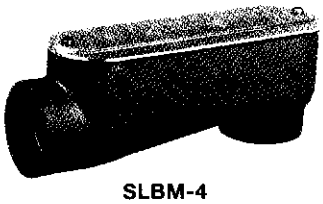


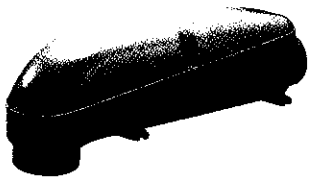
SLB-1 thru 7



SOLB-8, 9, 0



SLBM-4



MLB-12

- Suitable for wet locations when used with gasketed covers.
- Federal Specification W-C-586D / A-A 50563.
- Suitable for use in hazardous location applications when installed according to NEC Articles 501-4(b), Class I, Div. 2, (Suitable for use in Class I Zone 2 applications) 502-4 & 5, and 503-3.

Ⓤ Listed - File E22698

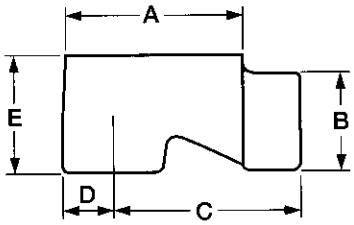
Ⓢ Certified - File LR11852

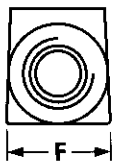
See files for details or call Killark

FEATURES-SPECIFICATIONS

Features
- Designed for easier wire pulling
- Includes Cover and Gasket

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating





SERVICE ENTRANCE BODIES							
CATALOG NUMBER	CONDUIT SIZE	A	B	C	D	E	F
SLB-1	1/2"	2-3/4" (70)	1-1/16" (27)	2-3/8" (60)	3/4" (19)	1-3/8" (35)	1-3/16" (30)
SLB-2	3/4"	3-1/8" (79)	1-3/8" (35)	2-11/16" (68)	7/8" (22)	1-11/16" (43)	1-3/8" (35)
SLB-3	1"	3-3/4" (95)	1-5/8" (41)	3-1/4" (83)	15/16" (24)	1-15/16" (49)	1-3/4" (44)
SLB-4	1-1/4"	5" (127)	2" (51)	4-5/16" (110)	1-1/4" (32)	2-1/2" (64)	2-3/16" (56)
SLBM-4	1-1/4"	7-1/4" (184)	1-15/16" (49)	6-3/8" (162)	15/16" (24)	2-5/8" (67)	2-1/2" (64)
SLB-5	1-1/2"	5-3/4" (147)	2-7/16" (62)	4-3/4" (121)	1-1/2" (38)	2-9/16" (65)	2-7/16" (62)
SLB-6	2"	6-1/4" (159)	2-15/16" (75)	5" (127)	1-5/8" (41)	3-1/8" (79)	2-13/16" (71)
SLBM-6	2"	9-1/2" (241)	2-11/16" (68)	8-9/16" (217)	11-3/16" (284)	3-7/16" (87)	3-1/8" (79)
SLB-7	2-1/2"	8" (203)	3-9/16" (90)	6-7/8" (175)	11-5/16" (287)	4" (102)	3-1/2" (89)
SOLB-8	3"	12-1/4" (311)	4-7/16" (113)	10-7/16" (265)	11-3/16" (284)	6-1/4" (159)	4-7/16" (113)
SOLB-9	3-1/2"	15" (381)	5" (127)	11-7/8" (302)	3-1/8" (79)	7-1/2" (191)	5-1/2" (140)
SOLB-0	4"	15" (381)	5" (127)	11-7/8" (302)	3-1/8" (79)	7-1/2" (191)	5-1/2" (140)
MLB-12	5"	42-1/2" (1080)	8-11/16" (221)	38-5/8" (981)	4-5/8" (118)	12-1/4" (311)	9" (229)

WH

Listed
Certified

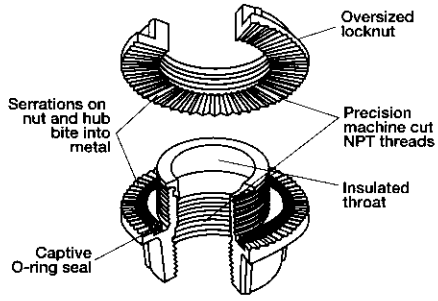
FEATURES-SPECIFICATIONS

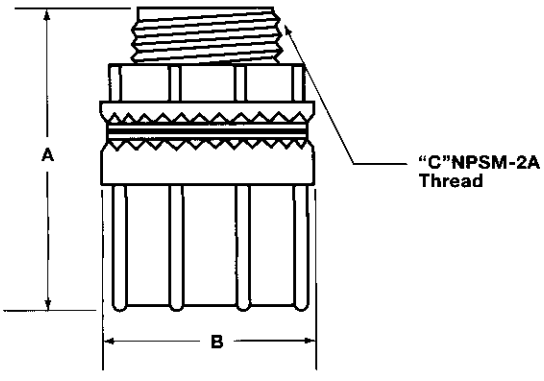
Applications
Conduit hubs provide a liquid tight, oil tight and dust tight termination of electrical conduit through the walls of sheet metal enclosures. The hubs fit into standard knock-out dimensions.

Features
- Oversized locknut provides for a strong vibration-proof termination
- Captive sealing ring
- Serrations on hub body and locknut provide effective positive ground path
- Rugged cast zinc construction
- Insulated throat protects conductors
- Suitable for use with NEMA type enclosures 2, 3, 3R, 4, 12 and 13

Material/Finish
- Die cast zinc
- Natural finish
- Sealing ring - Buna-N

WH WEATHERPROOF CONDUIT HUBS	
CATALOG NUMBER	NPT HUB SIZE
WH-1	1/2"
WH-2	3/4"
WH-3	1"
WH-4	1-1/4"
WH-5	1-1/2"
WH-6	2"
WH-7	2-1/2"
WH-8	3"
WH-9	3-1/2"
WH-0	4"





DIMENSIONS			
CATALOG NUMBER	A	B	C
WH-1	1.500"	1.437"	1/2"-14
WH-2	1.510"	1.685"	3/4"-14
WH-3	1.812"	1.921"	1"-11-1/2
WH-4	1.877"	2.370"	1-1/4"-11-1/2
WH-5	1.920"	2.745"	1-1/2"-11-1/2
WH-6	1.895"	3.236"	2"-11-1/2
WH-7	2.605"	3.708"	2-1/2"-8
WH-8	2.615"	4.370"	3"-8
WH-9	2.570"	4.941"	3-1/2"-8
WH-0	2.590"	5.450"	4"-8

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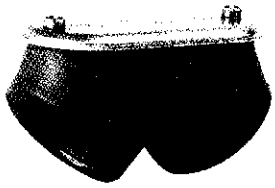
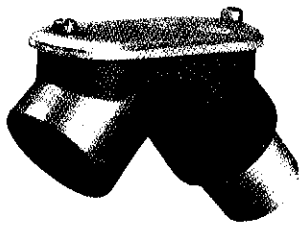
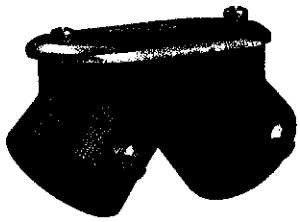


CL-2①



CLM-2①



TWCL-2

Duct Seal

Listed - FileE E22699
Certified - File LR11852
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications
- 90° pulling elbows are used to accommodate pulling conductors through a sharp bend in the conduit system

Features
- Designed for easier wire pulling
- Includes Cover and Gasket

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating

PULLING ELBOWS FOR THREADED CONDUIT		
CATALOG NUMBER	HUB SIZE	TYPE
CL-1	1/2"	CL
CL-2	3/4"	
CL-3	1"	
CLM-1	1/2"	CLM
CLM-2	3/4"	
CLM-3	1"	

①*Raintight/concrete tight*

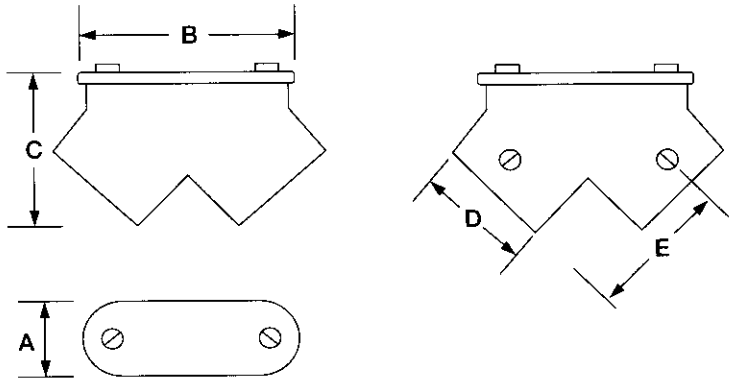
PULLING ELBOWS FOR THINWALL CONDUIT②	
CATALOG NUMBER	HUB SIZE
TWCL-1	1/2"
TWCL-2	3/4"

②*Set screw in each hub*

Duct Seal is a soft, non-hardening weather-proof compound, easily applied in all working temperatures. It is non-staining, can be painted, is an excellent moisture barrier for weather-sealing service entries, electrical cables, conduit ducts, etc.

DUCT SEAL	
CATALOG NUMBER	SIZE
DS-1	1-lb.
DS-5	5-lb.

DIMENSIONS					
SIZE	A	B	C	D	E
1/2"	1-1/4" (32)	2-9/16" (65)	1-3/8" (35)	1-1/4" (32)	1-7/16" (37)
3/4"	1-3/8" (35)	2-3/4" (70)	1-9/16" (40)	1-3/8" (35)	1-17/32" (39)
1"	1-3/4" (44)	3-1/8" (79)	1-3/4" (44)	1-3/4" (44)	1-23/32" (44)



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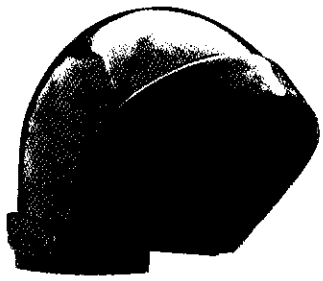
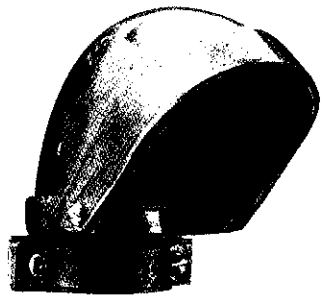


FB



STFB

Ⓤ Listed - File E22698

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Weather-proof for threaded conduit.

Applications

- For overhead service entrance
- For use with threaded rigid conduit

Features

- For use with aluminum or steel conduit
- Insulators included
- Easy installation and assembly
- Variety of knockout arrangements
- Vertical mounting
- Sizes 1/2" thru 4" available

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Natural finish

FB SERVICE ENTRANCE

CATALOG NUMBER	HUB SIZE	KNOCKOUTS		DIMENSIONS	
		QUANTITY	DIAMETER	WIDTH	HEIGHT
FB-714	1/2"	4	3/8"	3.00" (76)	2.60" (66)
FB-724	3/4"	5	3/8"	2.39" (61)	2.32" (58)
FB-734	1"	5	1/2"	2.62" (67)	3.03" (80)
FB-745	1-1/4"	5	1/2"	2.62" (67)	3.03" (80)
FB-765	2"	6	One 1/2"	4.43" (113)	4.45" (113)
			Two 3/4"		
			Three 1"		
FB-787	3"	7	Four 1"	6.40" (163)	8.00" (203)
			Three 1-1/4"		
FB-707	4"	7	Four 1-1/4"	8.00" (163)	9.00" (229)
			Three 1-3/4"		

For rigid or thinwall conduit (EMT)

Applications

- For overhead service entrance
- For use with EMT or rigid conduit

Features

- For use with aluminum or steel conduit
- Mounting clamp provides easy installation
- Insulators included
- Three point balance for proper alignment
- Variety of knockout arrangements
- Vertical mounting
- Sizes 3/4" thru 4" available

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Natural finish

STFB SERVICE ENTRANCE

CATALOG NUMBER	HUB SIZE	KNOCKOUTS		DIMENSIONS	
		QUANTITY	DIAMETER	WIDTH	HEIGHT
STFB-2	3/4"	5	3/8"	2.39" (61)	2.32" (59)
STFB-3	1"	5	1/2"	2.62" (67)	3.03" (77)
STFB-4	1-1/4"	5	1/2"	2.62" (67)	3.03" (77)
STFB-5	1-1/2"	6	One 1/2"	3.43" (87)	3.75" (95)
			Two 5/8"		
			Three 3/4"		
STFB-6	2"	6	One 1/2"	4.43" (113)	4.45" (113)
			Two 3/4"		
			Three 1"		
STFB-7	2-1/2"	7	Four 1"	6.40" (163)	8.00" (203)
			Three 1-1/4"		
STFB-8	3"	7	Four 1"	6.40" (163)	8.00" (203)
			Three 1-1/4"		
STFB-0	4"	7	Four 1-1/4"	8.00" (203)	9.00" (229)

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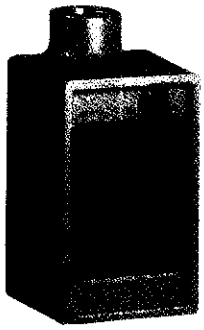
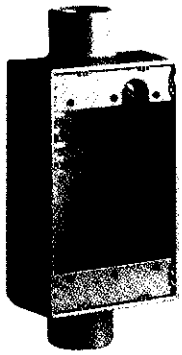
FS Type


FD Type


FSC Type

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Listed File No. E 3397
Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications
- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features
- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Optional mounting feet available on FS, FD, FSC, and FDC
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating

Duraloy Iron
- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

FS TYPE CAST DEVICE BOX – SHALLOW – DEAD END

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FS-1	FS-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FS-2	FS-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FS-3	FS-3M	1"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

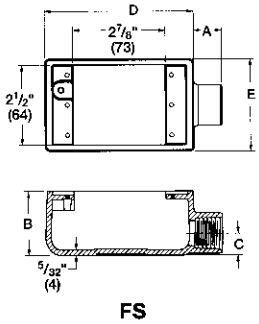
FD TYPE CAST DEVICE BOX – DEEP – DEAD END

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FD-1	FD-1M	1/2"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.0
FD-2	FD-2M	3/4"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.0
FD-3	FD-3M	1"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.0

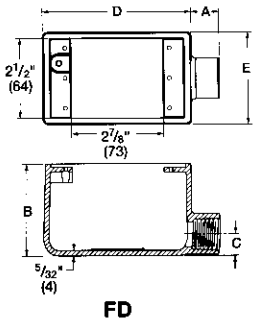
FSC TYPE CAST DEVICE BOX – SHALLOW – FEED THRU

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSC-1	FSC-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSC-2	FSC-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSC-3	FSC-3M	1"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

Dimensions



FS



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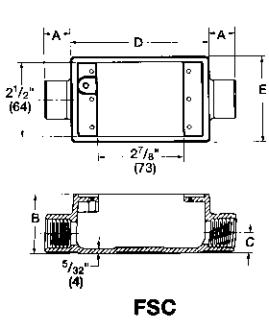
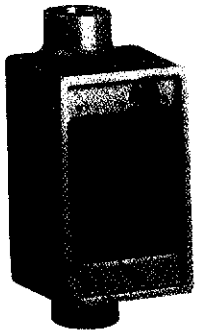
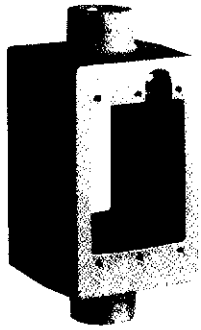


FSC

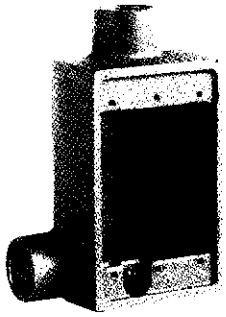
HUBBELL
KILLARK



FDC Type



FSOC Type



FSL Type

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Listed File No. E 3397

Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications

- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features

- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Optional mounting feet available on FS, FD, FSC, and FDC
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Duraloy Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

FDC TYPE CAST DEVICE BOX – DEEP – FEED THRU

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FDC-1	FDC-1M	1/2"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.5
FDC-2	FDC-2M	3/4"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.5
FDC-3	FDC-3M	1"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.5

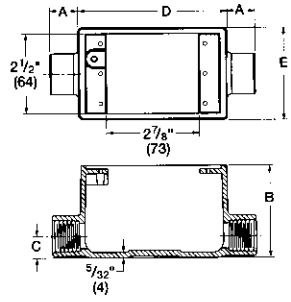
FSOC TYPE CAST DEVICE OPEN BOX – SHALLOW – FEED THRU

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUMINUM		A	B	C	D	E	F	G	
FSOC-1	1/2"	7/8" (22)	3" (76)	1-1/2" (138)	4-5/8" (117)	2-7/8" (73)	—	—	29.0

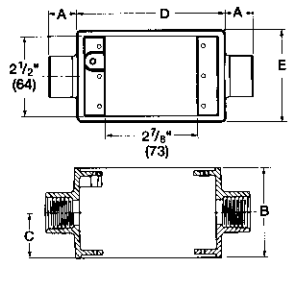
FSL TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSL-1	FSL-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSL-2	FSL-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

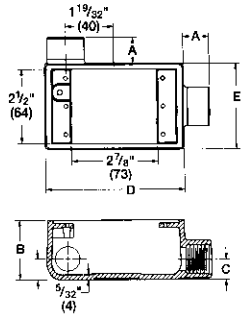
Dimensions



FDC

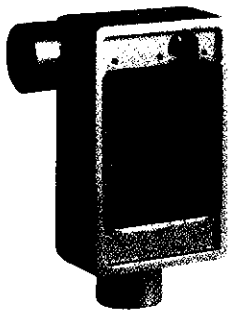


FSOC

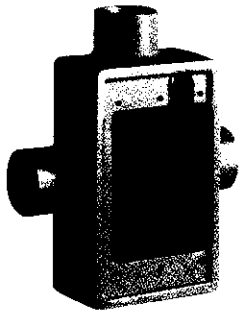


FSL

HUBBELL
KILLARK



FSR Type



FST Type

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Listed File No. E 3397

Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications

- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features

- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Optional mounting feet available on FS, FD, FSC, and FDC
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Duraloy Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

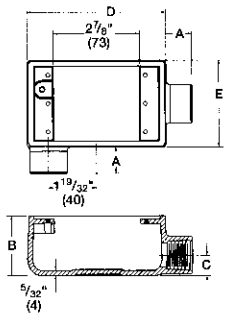
FSR TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSR-1	FSR-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSR-2	FSR-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

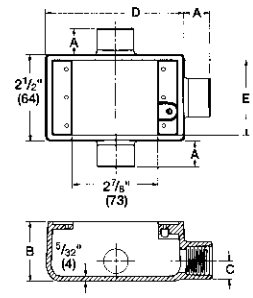
FST TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FST-1	FST-1-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FST-2	FST-2-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

Dimensions

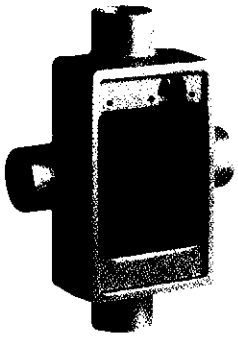


FSR

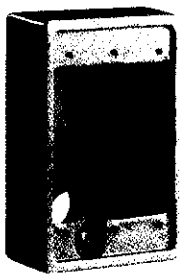


FST

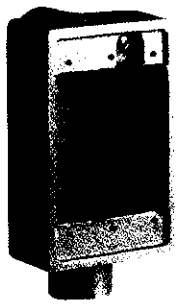
HUBBELL
KILLARK®



FSX Type



FSA/FDA Types



FSLB Type

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Listed File No. E 3397

Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications

- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features

- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Optional mounting feet available on FS, FD, FSC, and FDC
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Duraloy Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

FSX TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSX-1	FSX-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSX-2	FSX-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

FSA TYPE CAST DEVICE BOX – SHALLOW – DEAD END

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUMINUM		A	B	C	D	E	F	G	
FSA-1	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSA-2	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

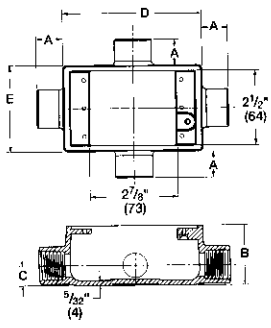
FDA TYPE CAST DEVICE BOX – DEEP – DEAD END

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUMINUM		A	B	C	D	E	F	G	
FDA-2	3/4"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.5

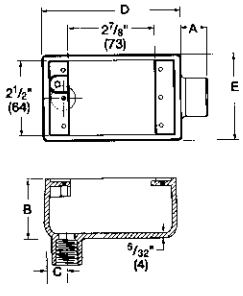
FSLB TYPE CAST DEVICE BOX – SHALLOW – FEED THRU

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUMINUM		A	B	C	D	E	F	G	
FSLB-1	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSLB-2	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

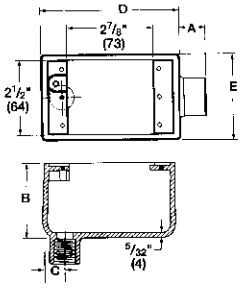
Dimensions



FSX



FSA



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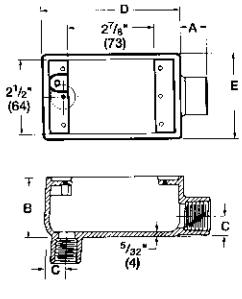
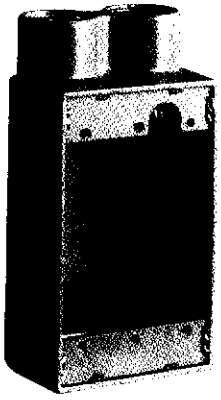
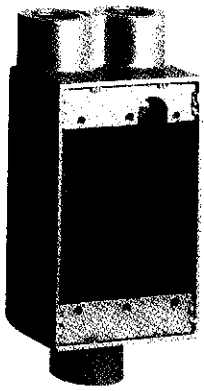


FSLB

HUBBELL
KILLARK



FSS Type



FSCC/FDCC Types

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Listed File No. E 3397

Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications

- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features

- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Duraloy Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

FSS TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSS-1	FSS-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSS-2	FSS-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

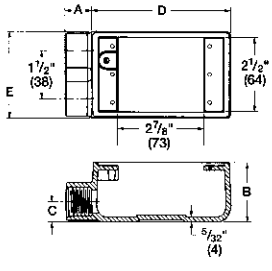
FSCC TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSCC-1	FSCC-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSCC-2	FSCC-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

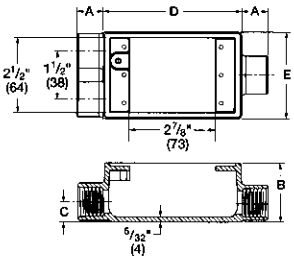
FDCC TYPE CAST DEVICE BOX – DEEP

CATALOG NUMBER	HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUMINUM		A	B	C	D	E	F	G	
FDCC-2	3/4"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	28.5

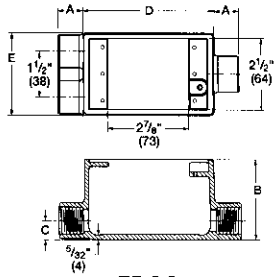
Dimensions



FSS

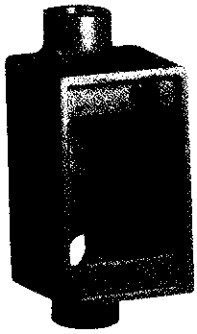


FSCC

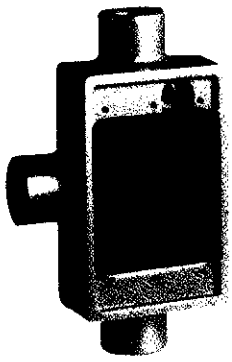


FDCC

HUBBELL
KILLARK®



FSCA Type



FSCT Type

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Listed File No. E 3397

Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications

- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features

- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Duraloy Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

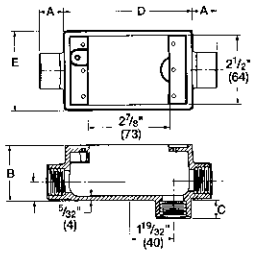
FSCA TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSCA-1	FSCA-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSCA-2	FSCA-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

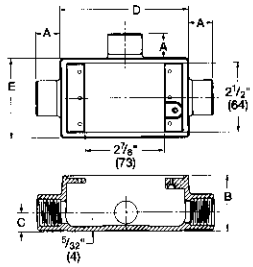
FSCT TYPE CAST DEVICE BOX – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSCT-1	FSCT-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0
FSCT-2	FSCT-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	—	—	18.0

Dimensions

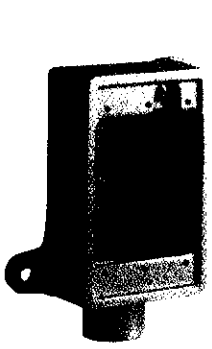


FSCA

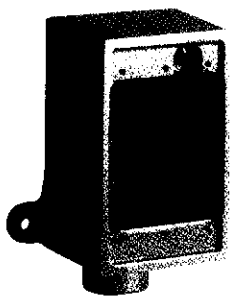


FSCT

HUBBELL
KILLARK®



FS Type With Lugs



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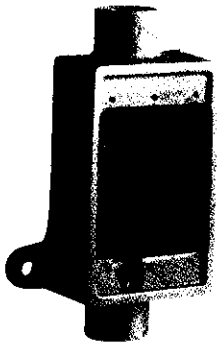
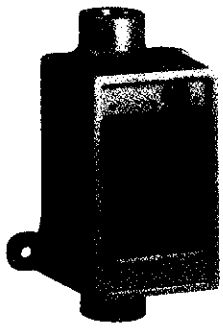


FSC Type With Lugs



FDC Type With Lugs

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Listed File No. E 3397

Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications

- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features

- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Duraloy Iron

- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

FS TYPE CAST DEVICE BOX WITH LUGS – SHALLOW – DEAD END

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FS-1L	FS-1LM	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	18.0
FS-2L	FS-2LM	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	18.0

FD TYPE CAST DEVICE BOX WITH LUGS – DEEP – DEAD END

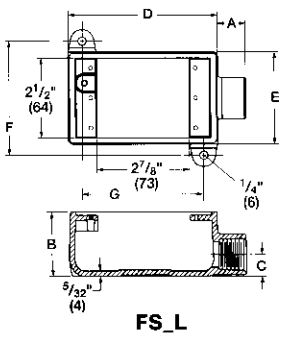
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FD-1L	FD-1LM	1/2"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	28.0
FD-2L	FD-2LM	3/4"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	28.0

FSC TYPE CAST DEVICE BOX WITH LUGS – SHALLOW – FEED THRU

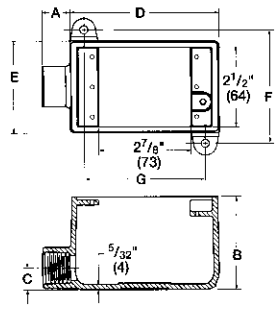
CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FSC-1L	FSC-1LM	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	18.0
FSC-2L	FSC-2LM	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	18.0

FDC TYPE CAST DEVICE BOX WITH LUGS – DEEP – FEED THRU

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
FDC-1L	FDC-1LM	1/2"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	28.5
FDC-2L	FDC-2LM	3/4"	7/8" (22)	2-7/8" (73)	11/16" (17)	4-5/8" (117)	2-7/8" (73)	3-9/16" (90)	3-3/4" (95)	28.5



FS_L



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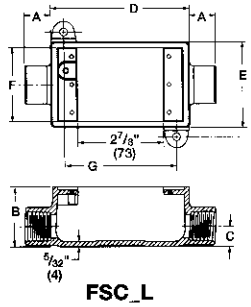
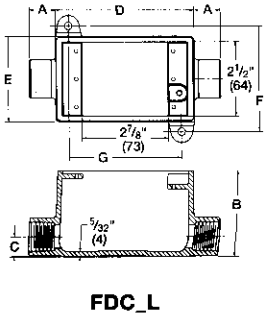
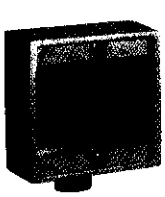


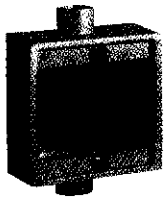
FSC_L

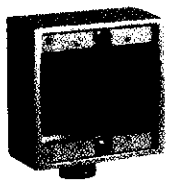


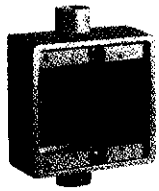
FDC_L

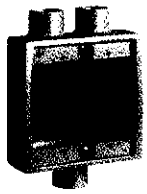
HUBBELL
KILLARK®


2FS Type


2FSC Type


2FD Type


2FDC Type


2FSD Type

UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1
Listed File No. E 3397
Certified File No. LR11852

FEATURES-SPECIFICATIONS

Applications
- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features
- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Optional mounting feet available on FS, FD, FSC, and FDC
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating

Duraloy Iron
- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

2FS TYPE CAST DEVICE BOX TWO GANG – SHALLOW

CATALOG NUMBER		HUB SIZE	DIMENSIONS							VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F	G	
2FS-1	2FS-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	32.0
2FS-2	2FS-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	32.0
2FS-3	—	1"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	32.0

2FD TYPE CAST DEVICE BOX TWO GANG – DEEP

2FD-1	2FD-1M	1/2"	7/8" (22)	2-15/16" (75)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	47.0
2FD-2	2FD-2M	3/4"	7/8" (22)	2-15/16" (75)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	47.0

2FSC TYPE CAST DEVICE BOX TWO GANG – SHALLOW

2FSC-1	2FSC-1M	1/2"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	32.0
2FSC-2	2FSC-2M	3/4"	7/8" (22)	2" (51)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	32.0

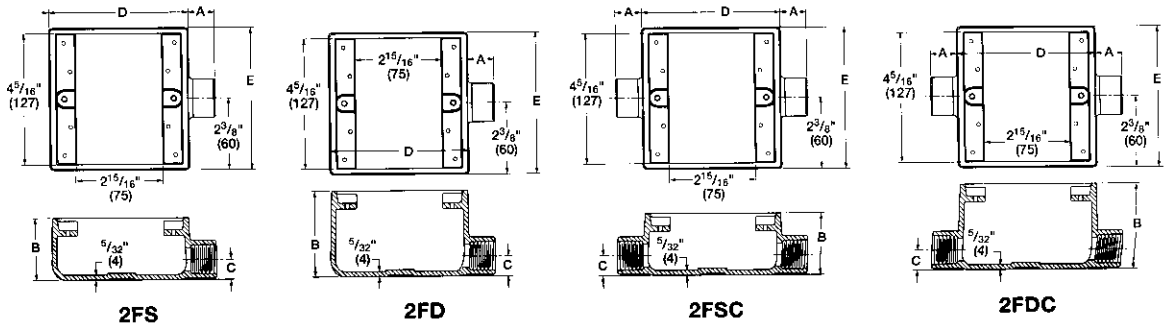
2FDC TYPE CAST DEVICE BOX TWO GANG – DEEP

2FDC-1	2FDC-1M	1/2"	7/8" (22)	2-15/16" (75)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	50.0
2FDC-2	2FDC-2M	3/4"	7/8" (22)	2-15/16" (75)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	50.0

2FSD TYPE CAST DEVICE BOX TWO GANG – SHALLOW

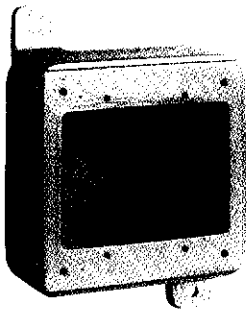
2FSD-1	2FSD-1M	1/2"	7/8" (22)	2-15/16" (75)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	50.0
2FSD-2	2FSD-2M	3/4"	7/8" (22)	2-15/16" (75)	11/16" (17)	4-5/8" (117)	4-11/16" (119)	—	—	50.0

Dimensions

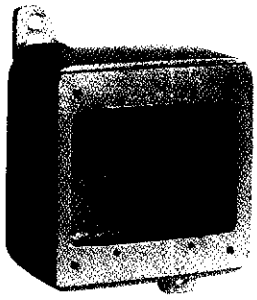


HUBBELL
KILLARK

Two Gang

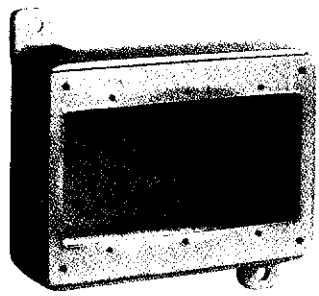


2FS

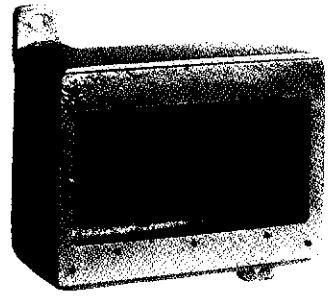


2FD

Three Gang



3FS



3FD

FEATURES-SPECIFICATIONS

Applications
- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features
- Tapered threads (NPT with integral bushings)
- Internal grounding screw
- Optional mounting feet available on FS, FD, FSC, and FDC
- Available single and two gang styles
- Suitable for use in wet locations when used with gasket covers
- Cast iron is suitable for concrete use
- For use with FS-style covers see pages F40-F42

Conduit Opening Data
- To specify conduit openings select the letter on these sketches which indicates the position desired. Follow this letter with the symbol indicating the type and size.

Example: 2FS-A2-E2

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating

Duraloy Iron
- Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating

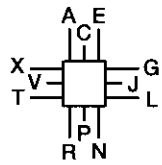
FS/FD MULTI GANG BOXES①

SERIES	A	B	C	D	E	H
FSQ	3-3/4"(95)	3-9/16"(90)	1/4"(6)	4-9/16"(116)	2-13/16"(71)	2"(51)
2FS	6-3/16"(157)	3-3/4"(95)	9/32"(7)	4-7/8"(124)	4-15/16"(125)	2"(51)
3FS	6-3/16"(157)	5-3/4"(146)	9/32"(7)	4-7/8"(124)	6-3/4"(125)	2"(51)
FDQ	3-3/4"(95)	3-9/16"(90)	1/4"(6)	4-9/16"(116)	2-13/16"(71)	2-7/8"(73)
2FD	6-3/16"(157)	3-3/4"(95)	9/32"(7)	4-7/8"(124)	4-15/16"(125)	2-7/8"(73)
3FD	6-3/16"(157)	5-3/4"(146)	9/32"(7)	4-7/8"(124)	6-3/4"(125)	2-7/8"(73)

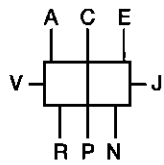
FS/FD/FSQ/FDQ CONDUIT OPENING AND SYMBOL IDENTIFICATION

FOR CONDUIT SIZE	THREADED SYMBOL NUMBER	UNION① SYMBOL NUMBER
1/2"	1	11
3/4"	2	12
1"	3	13
1-1/4"	4	14
1-1/2"	5	15

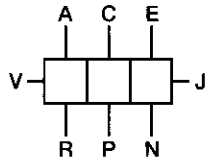
① Union hubs are supplied by using a drilled and tapped opening with GUM Series union on 1/2", 3/4", 1", 1-1/4" and 1-1/2" sizes.



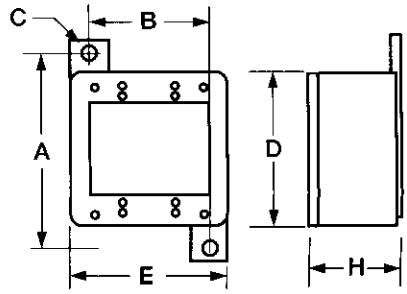
Single Gang



Two Gang

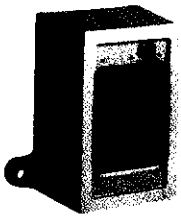


Three Gang



HUBBELL
KILLARK®

Single Gang

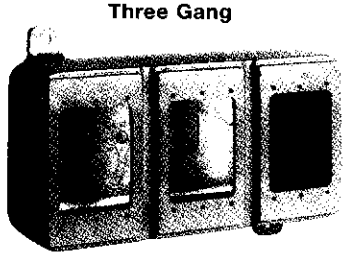


FDQ

Two Gang

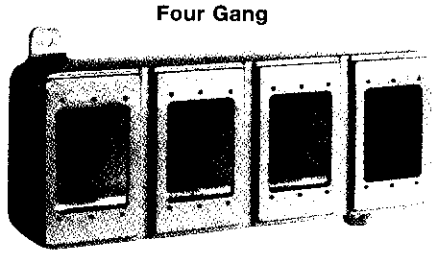
2FDQ

Three Gang



3FDQ

Four Gang



4FDQ

Listed - File E3397

Certified - File LR11852

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Accommodates wiring devices and provides opening to splice, tap, or pull conductors
- Provide access to conductors for maintenance and future system changes

Features

- The fittings on this page takes single gang covers listed on pages F40-F42
- FSQ and FDQ series boxes are made with individual cover openings so any combination of devices may be assembled
- Any assembly is suitable for wet and damp locations when it consists of these boxes and a cover suitable for wet and damp locations
- To specify conduit opening combination select the letter on the sketch which indicates the position of the opening desired. Follow this letter with the symbol indicating the type of opening-threaded, threadless or union

Maximum Conduit Opening Size

FS-1/2" thru 1"
FD-1/2" thru 1-1/2"

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

FSQ/FDQ DRILLED AND TAPPED DEVICE BOXES

SERIES	A	B	C	D	E	H
FSQ	3-3/4"(95)	3-9/16"(90)	1/4"(6)	4-9/16"(116)	2-13/16"(71)	2"(51)
2FSQ	5-7/8"(149)	4-1/4"(108)	5/16"(8)	4-7/8"(124)	6-7/16"(164)	2"(51)
3FSQ	5-7/8"(149)	7-9/16"(192)	5/16"(8)	4-15/16"(125)	9-13/16"(249)	2-7/8"(73)
FDQ	3-3/4"(95)	3-9/16"(90)	1/4"(6)	4-9/16"(116)	2-13/16"(71)	2-7/8"(73)
2FDQ	6-3/16"(157)	4-7/16"(113)	5/16"(8)	4-7/8"(124)	6-7/16"(164)	2-7/8"(73)
3FDQ	5-7/8"(149)	7-9/16"(192)	5/16"(8)	4-15/16"(125)	9-13/16"(249)	2-7/8"(73)
4FDQ	5-7/8"(149)	10-13/16"(275)	5/16"(8)	4-15/16"(125)	13-1/8"(333)	2-7/8"(73)

Conduit Opening Data

- To specify conduit openings select the letter on these sketches which indicates the position desired. Follow this letter with the symbol indicating the type and size.

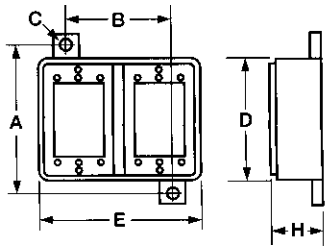
Example: 2FS-A2-E2-J13

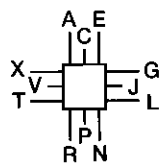
- All conduit openings will be evenly spaced. When they are to be more accurately located, submit a sketch with spacing dimensions.
- Dimensions should be oriented from centerlines of body and outside back of body.
- FS and FSQ box will take drilled and tapped openings thru 1".
- FD and FDQ box will take drilled and tapped openings thru 1-1/2".

FS/FD/FSQ/FDQ CONDUIT OPENING AND SYMBOL IDENTIFICATION

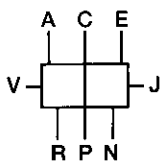
FOR CONDUIT SIZE	THREADED SYMBOL NUMBER	UNION① SYMBOL NUMBER
1/2"	1	11
3/4"	2	12
1"	3	13
1-1/4"	4	14
1-1/2"	5	15

① *Union hubs are supplied by using a drilled and tapped opening with GUM Series union on 1/2", 3/4", 1", 1-1/4" and 1-1/2" sizes.*

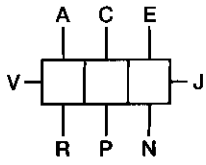




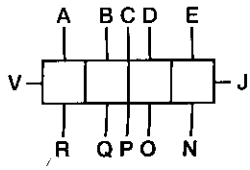
Single Gang



Two Gang



Three Gang



Four Gang

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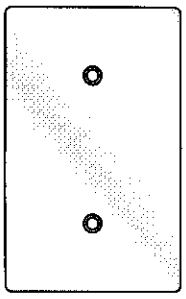
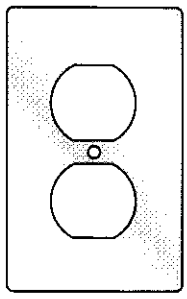
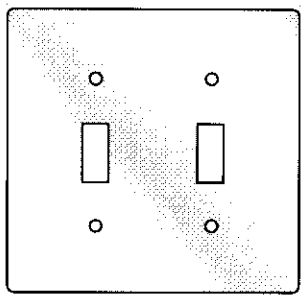


1FB Type



1FA Type



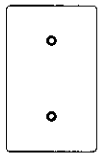
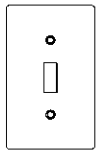
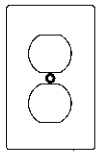
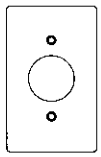
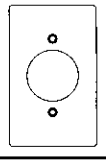
2FT Type

Listed File No. E 3397
Certified File No. LR11852

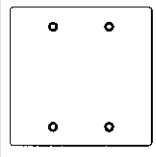
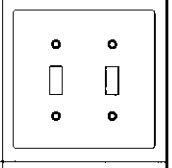
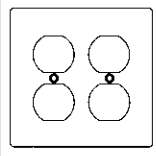
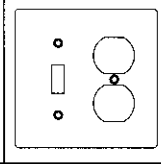
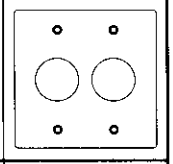
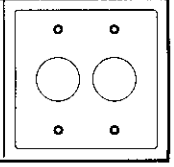
FEATURES-SPECIFICATIONS

- Stamped metallic covers with or without electrostatically applied powder coating
- Gaskets to be ordered separately

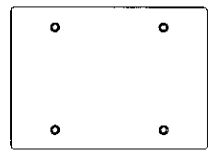
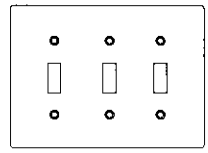
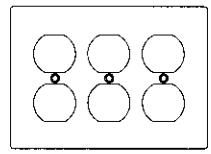
SINGLE GANG

CATALOG NUMBER WITH COATING	CATALOG NUMBER WITHOUT COATING	
Blank for Single Gang Boxes **1FBC**	**1FB**	
1 Toggle Switch **1FTC**	**1FT**	
1 Duplex Receptacle **1FAC**	**1FA**	
1-13/32" Opening Round Receptacle **1FRC**	**1FR**	
1-5/8" Opening Round Receptacle **1FGC**	**1FG**	

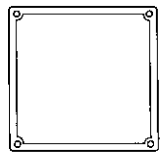
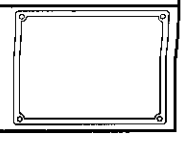
TWO GANG

CATALOG NUMBER WITH COATING	CATALOG NUMBER WITHOUT COATING	
Blank for Two Gang Boxes **2FBC**	**2FB**	
2 Toggle Switches **2FTC**	**2FT**	
2 Duplex Receptacles **2FAC**	**2FA**	
Toggle Switch & Duplex Receptacle **2FTAC**	**2FTA**	
1-13/32" Openings 2 Round Receptacles **2FRC**	**2FR**	
1-5/8" Opening Round 2 Round Receptacles **2FGC**	**2FG**	

THREE GANG

CATALOG NUMBER	DESCRIPTION	
3FB	Blank for 3 Gang Boxes	
3FT	3 Toggle Switches	
3FA	3 Duplex Receptacles	

REPLACEMENT GASKETS FOR COVERS (NEOPRENE RUBBER)

CATALOG NUMBER	DESCRIPTION	
FSRG	Neoprene Gaskets for Single Gang Boxes	
2FSRG	Neoprene Gaskets for 2 Gang Boxes	
3FSRG	Neoprene Gaskets for 3 Gang Boxes	

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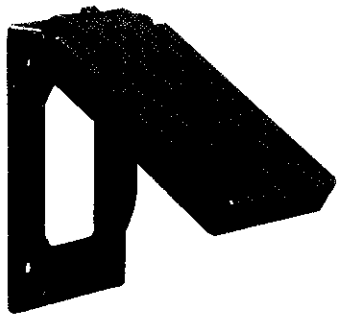
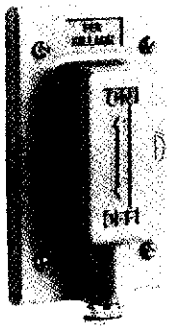


FCL-GF Type



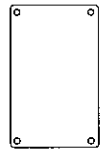
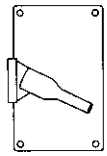
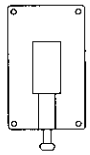
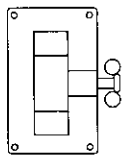
FST Type

Listed File No. E 3397
Certified File No. LR11852

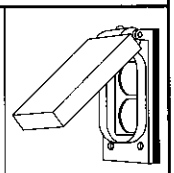
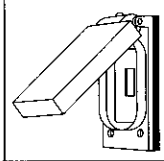
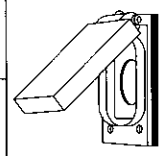
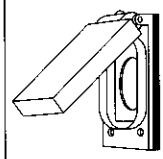
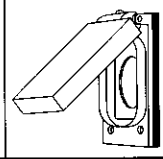
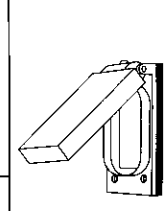
FEATURES-SPECIFICATIONS

- Cast metallic covers with electrostatically applied powder coating

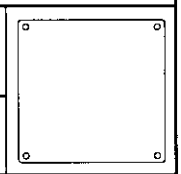
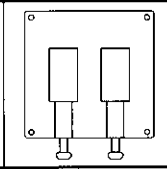
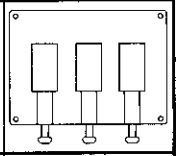
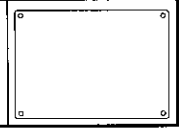
CAST DEVICE COVERS— SINGLE GANG (GASKETS INCLUDED)

CATALOG NUMBER	DESCRIPTION	
FSBC	Blank for Single Gang Boxes	
FSBCM	Iron Blank for Single Gang Boxes	
FZ8648	Square Toggle Lock in ON or OFF Position	
FZ8647	Square Toggle (Long Throw — Such as Manual Starters)	
FST	1 Toggle Switch	
FSPT	For Toggle Switch	

CAST DEVICE COVERS— SINGLE GANG (GASKETS INCLUDED)

CATALOG NUMBER	DESCRIPTION	
FCLA	Duplex Receptacle	
FCLT	Toggle Switch	
FCLR	Round Receptacle 1.406" Dia.	
FCLG	Round Receptacle 1.625" Dia.	
FCLM	Round Receptacle 1.750" Dia.	
FCLN	Round Receptacle 2.156" Dia.	
FCL-GF	Device Cover for Most Manufacturers' GFI Devices Includes Gaskets and Screws	
FCL-VG	Replacement Vellumoid Gasket	

CAST DEVICE COVERS—TWO AND THREE GANG (GASKETS INCLUDED)

CATALOG NUMBER	DESCRIPTION	
2FSBC	Blank for 2 Gang Boxes	
2FSBCM	Iron Blank for 2 Gang Boxes	
2FST	2 Toggle Switches	
3FST	3 Toggle Switches	
3FSBC	Blank for 3 Gang Boxes	

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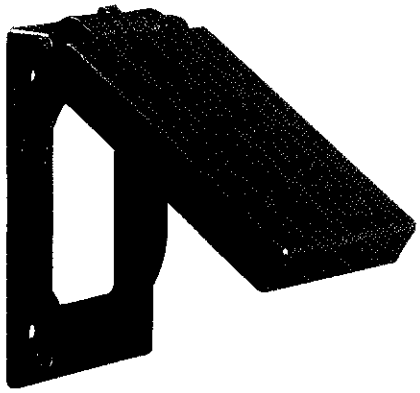
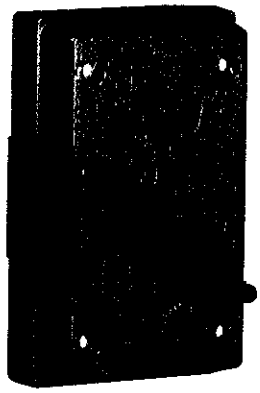


FCL-GF



FZ-8647

PL

FEATURES-SPECIFICATIONS

FCL

Device Covers

(For GFI Receptacles)

Applications

- Use in dirty, dusty or corrosive areas
- Indoor/outdoor applications
- Where devices need physical protection

Features

- May be used with several different manufacturers' GFI devices
- Mounts on all FS, FD, FSQ and FDQ Series boxes (single opening)
- Snap type lid. UL/CSA suitable for wet locations.
- Gaskets included

CATALOG NUMBER	ITEM
FCL-GF	Device cover includes gaskets and screws
FCL-VG	Replacement Rubber gasket

Listed - File E3397
Certified - File LR11852

FZ

Applications

- In wet and damp locations
- Areas where dust or dirt are a problem
- With standard toggle switches or manual motor starters

Features

- Copper-free aluminum
- Gaskets included
- Three toggle operator choices
- Lock "ON" or "OFF" provision standard
- Stainless steel screws
- Mounts on all FS, FD, FSQ and FDQ Series boxes (single opening)

CATALOG NUMBER	TYPE OF TOGGLE SWITCH HANDLE
FZ8648	Square toggle
FZ8647	Square toggle (Long throw-such as manual starters)
FZ	Round toggle

Listed - File E3397
Certified - File LR11852

PL

Applications

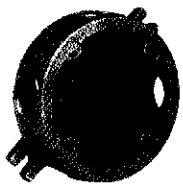
- Wet and damp locations
- Areas where dirt, dust or corrosion is a problem
- Washdown areas such as food processing plants or dairies

Features

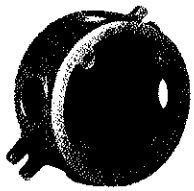
- Non corrosive yellow polyethylene ring
- Molded neoprene boot on plug

CATALOG NUMBER	NEMA CONFIGURATION AND RATING
PL-7	Cord diameter .375(9)/.625(16)

Not CSA approved.

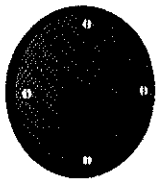


VLJSX Shallow

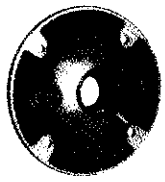


VLJX Medium

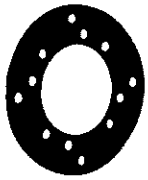
VLJDX Deep



VJBC Blank Cover



VJH-1 or VJH-2 Hub Cover



VBNB Gasket

Listed - File E30107 and E3397

Certified - File LR11852

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- VJ Series round boxes are available in three depths for use as splice boxes, for hanging pendant fixtures by using hub covers; or by using a VBA plate (see page L11), will take VFC fixture caps
- Cover mounting centers are 3-1/2" and will accommodate 4" round or octagonal box covers and devices. Screw holes are 8-32 size
- VJ Series are furnished with four "X" conduit openings and three close-up plugs
- Gaskets are required for wet and damp locations

Features

- Suitable for wet and damp locations (when gasketed)

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

BOXES WITH LUGS

CATALOG NUMBER			CONDUIT SIZE	HUB ARRANGEMENT	VOLUME CUBIC INCHES
SHALLOW 1-5/8"(00)	MEDIUM 2-1/4"(57)	DEEP 3-5/8"(92)			
VLJSX-1	VLJX-1	–	1/2"	x	17
VLJSX-2	VLJX-2	VLJDX-2	3/4"	x	25
–	VLJX-3	VLJDX-3	1"	x	45

Note: Cover and gasket not included.

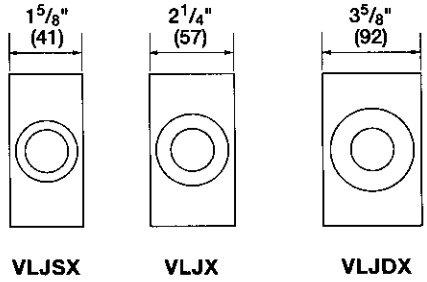
BACK CONDUIT OPENINGS

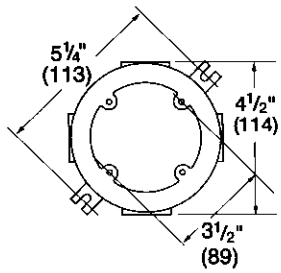
SERIES	MAXIMUM CONDUIT SIZE
Shallow	3/4"
Medium	1"
Deep	1-1/4"

Note: Must be drilled and tapped.

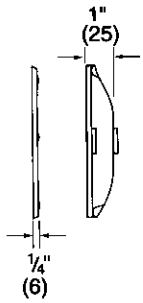
COVERS AND GASKETS

CATALOG NUMBER	HUB SIZE	DEPTH	DESCRIPTION
VJBC	–	1/4"	Blank cover furnished with mounting screws. Gasket not included
VJH-1	1/2"	1"	Hub cover furnished with mounting screws. Gasket not included
VJH-2	3/4"	1"	Hub cover furnished with mounting screws. Gasket not included
VBNB	–	–	Gasket Nitrile Butadiene





VLJ Series



VJ Series

HUBBELL
KILLARK®

ENY

ENY with Nipple

(For Vertical or Horizontal Conduit)

EY

EY with Nipple

(For Vertical Conduit)

ENY-2
(Fixture Hanger)
(See Page L146)

EYS

EYS with Nipple

(For Vertical or Horizontal Conduit)

EYD

EYD with Nipple

(Drain/Seal for Vertical Conduit)

Class I, Div. 1 & 2, Groups A[1],B[1],C,D
Class I, Zone 1, Groups IIC[2], IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

FEATURES-SPECIFICATIONS

Application & Installation

Class I, Divisions 1 and 2

The purpose of seals in a Class I hazardous location is to minimize the passage of gases and vapors and prevent the passage of flames from one electrical installation to another through the conduit system. Seals are required to be installed within 18 inches on any conduit run entering an enclosure which contains devices that may produce arcs, sparks, or high temperature. Where two enclosures are connected by a run of conduit not over 3 ft. long, a single seal located at the center of the run is considered satisfactory. Only explosionproof unions, couplings, elbows, and conduit bodies similar to "L", "T", and "X" type shall be permitted between the sealing fitting and the enclosure.

Seals shall be located within 18 inches of the enclosure or fitting on each conduit run of 2 inch size or larger entering an enclosure or fitting that contains terminals, splices, or taps.

Each run of conduit from a hazardous location to a nonhazardous location should be sealed to minimize the amount of gases and vapors communicated beyond the seal.

Class II, Divisions 1 and 2

Where a raceway provides communication between an enclosure which is required to be dust-ignitionproof and one which is not, suitable means shall be provided to prevent the entrance of dust into the dust-ignitionproof enclosure through the raceway.

Considerations for selection seals:

Select the proper sealing fitting for the hazardous gas/vapor involved; i.e., Class I Groups A, B, C, or D.

Zone 1, Groups IIC, IIB, IIC

Select a sealing fitting for the proper use in respect to mounting position. This is particularly critical when the conduit runs between hazardous and nonhazardous areas. Some seals are designed to be mounted in any position; others are restricted to vertical mounting.

Drains

Where there is a probability that liquid or other condensed vapor may be trapped within enclosures for control equipment or at any point in the raceway system, approved means — such as installation of drain seals — shall be provided to prevent moisture accumulation.

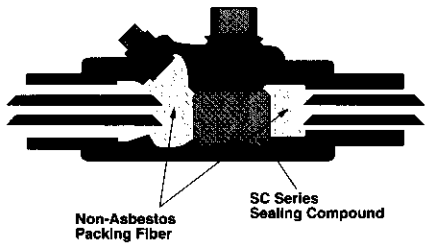
For more complete data or special applications, consult the code or your local inspector.

Sealing compounds shall be approved for the purpose and shall not be affected by the surrounding atmosphere or liquids, and shall not have a melting point of less than 93°C. (200°F.).

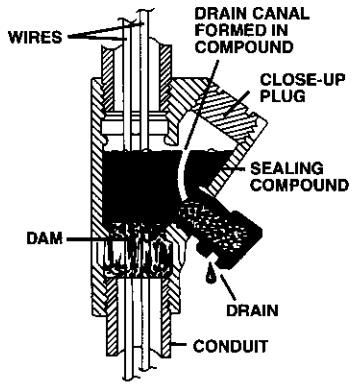
In the complete seal, the minimum thickness of the sealing compound shall not be less than the trade size of the conduit, and in no case less than 5/8 inch.

Note: The amount of Killark sealing compound and packing fiber required for any seal is determined by volume hub size and mounting position of the seal. Refer to installation data table on page F47 for specific amounts required.

Splices and taps shall not be made in fittings intended only for sealing with compound, nor shall other fittings in which splices or taps are made be filled with compound.



Schematic drawings illustrate the application of sealing compound, fiber dams, and installed seal with drain.



Killark sealing fittings are produced with utmost care to insure a substantial margin of safety. Threads are clean, deep, and snug. When properly installed with Killark sealing compound (SC Type) and Killark non-asbestos fiber (PF Type) for the dams, you can be sure your installation will provide more than adequate safety.

①ENY 1, 2, & 3 Series is suitable for Class I, Zone 1, Groups A, B, C, & D; EYS, EY, & EYD Series are suitable for Class 1, Groups C & D.
②ENY 1, 2, & 3 Series is suitable for Class I, Zone 1, Groups IIC, IIB, IIA; EYS, EY/EYD Series and suitable for Class I, Zone 1 Groups IIB, IIC.

HUBBELL®
KILLARK®

ENY
(For Vertical or Horizontal Conduit)

ENY with Nipple
(For Vertical or Horizontal Conduit)

EYS
(For Vertical or Horizontal Conduit)

EYS with Nipple
(For Vertical or Horizontal Conduit)

ENY-1, 2, 3
Class I, Div. 1 & 2, Groups A,B,C,D
Class I, Zone 1, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

ENY-4, 5 & 6 & EYS Series
Class I, Div. 1 & 2, Groups C,D
Class I, Zone 1, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

UL Listed File No. E10514
CSA Certified File No. LR11716

FEATURES-SPECIFICATIONS

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

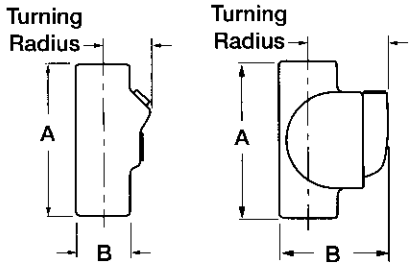
- Electrostatically applied powder coating

Duraloy Iron

- Tri-Coat Finish of electrozinc, chromate sealant, and electrostatically applied powder coating

ENY SEALING FITTINGS						ENY WITH NIPPLE	
HUB SIZE	CATALOG NUMBER		DIMENSIONS		TURNING RADIUS	CATALOG NUMBER	
	KILLARK ALUMINUM	DURALOY IRON	A	B		KILLARK ALUMINUM	DURALOY IRON
1/2"	ENY-1①	ENY-1M①	3-15/16"(100)	1-13/16"(46)	1-3/16"(30)	ENY-1-T①	ENY-1-TM①
3/4"	ENY-2①	ENY-2M①	4-1/16"(103)	2-1/16"(52)	1-9/32"(33)	ENY-2-T①	ENY-2-TM①
1"	ENY-3①	ENY-3M①	4-25/32"(121)	2-11/32"(60)	1-13/32"(36)	ENY-3-T①	ENY-3-TM①
1-1/4"	ENY-4	ENY-4M	5-3/8"(137)	3"(76)	1-25/32"(45)	ENY-4-T	ENY-4-TM
1-1/2"	ENY-5	ENY-5M	5-11/16"(144)	3-1/4"(83)	1-29/32"(48)	ENY-5-T	ENY-5-TM
2"	ENY-6	ENY-6M	6-3/8"(162)	3-15/16"(100)	2-5/16"(59)	ENY-6-T	ENY-6-TM

Dimensions

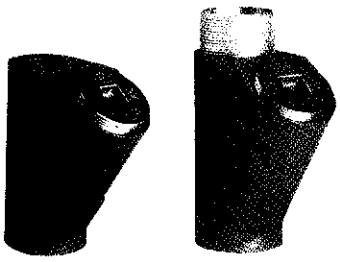


ENY Series EYS Series

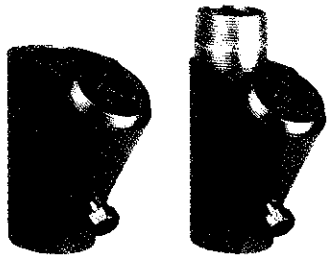
EYS SEALING FITTINGS						EYS WITH NIPPLE	
HUB SIZE	CATALOG NUMBER		DIMENSIONS		TURNING RADIUS	CATALOG NUMBER	
	KILLARK ALUMINUM	DURALOY IRON	A	B		KILLARK ALUMINUM	DURALOY IRON
1/2"	EYS-1①	—	3-15/16"(100)	1-13/16"(46)	1-3/16"(30)	EYS-1-T①	EYS-1-TM①
3/4"	EYS-2①	—	4-1/16"(103)	2-1/16"(52)	1-9/32"(33)	EYS-2-T①	EYS-2-TM①
1"	EYS-3①	—	4-25/32"(121)	2-11/32"(60)	1-13/32"(36)	EYS-3-T①	EYS-3-TM①
1-1/4"	EYS-4	—	5-3/8"(137)	3"(76)	1-25/32"(45)	EYS-4-T	EYS-4-TM
1-1/2"	EYS-5	—	5-11/16"(144)	3-1/4"(83)	1-29/32"(48)	EYS-5-T	EYS-5-TM
2"	EYS-6	—	6-3/8"(162)	3-15/16"(100)	2-5/16"(59)	EYS-6-T	EYS-6-TM
2-1/2"	EYS-7	EYS-7M	7-5/8"(194)	4-1/2"(114)	4-1/8"(105)	EYS-7-T	EYS-7-TM
3"	EYS-8	EYS-8M	7-5/8"(194)	4-1/2"(114)	4-3/8"(111)	EYS-8-T	EYS-8-TM
3-1/2"	EYS-9②	EYS-9M②	7-1/8"(181)	5-3/16"(132)	4-3/4"(121)	EYS-9-T②	EYS-9-TM②
4"	EYS-0②	EYS-0M②	7-1/8"(181)	5-3/16"(132)	4-3/4"(121)	EYS-0-T②	EYS-0-TM②

① ENY 1, 2, & 3 Series is suitable for Class I, Groups A, B, C, & D.
EYS, EY, & EYD Series are suitable for Class 1, Groups C & D.
② CSA Certified for Class I, Group D only.

HUBBELL
KILLARK



EY EY with Nipple
(For Vertical Conduit)



EYD EYD with Nipple
(Drain/Seal for vertical conduit)

EY & EYD Series
Class I, Div. 1 & 2, Groups C,D
Class I, Zone 1, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

UL Listed File No. E10514
CSA Certified File No. LR11716

FEATURES-SPECIFICATIONS

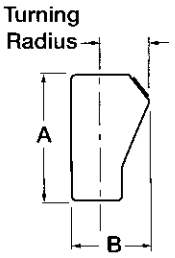
Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

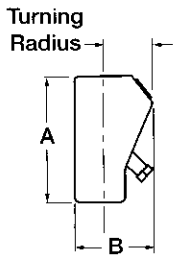
Duraloy Iron

- Tri-Coat Finish of electrozinc, chromate sealant, and electrostatically applied powder coating

Dimensions



EY Series



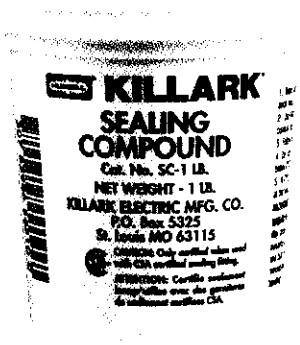
EYD Series

EY SEALING FITTINGS						EY WITH NIPPLE	
HUB SIZE	CATALOG NUMBER		DIMENSIONS		TURNING RADIUS	CATALOG NUMBER	
	KILLARK ALUMINUM	DURALOY IRON	A	B		KILLARK ALUMINUM	DURALOY IRON
1/2"	EY-1	EY-1M	3-1/16"(78)	2-1/8"(54)	2-1/4"(57)	EY-1-T	EY-1-TM
3/4"	EY-2	EY-2M	3-1/16"(78)	2-11/16"(68)	1-15/16"(49)	EY-2-T	EY-2-TM
1"	EY-3	EY-3M	4-9/32"(109)	3-1/8"(79)	2-1/4"(57)	EY-3-T	EY-3-TM
1-1/4"	EY-4	EY-4M	5-1/8"(130)	3-7/8"(98)	2-7/8"(73)	EY-4-T	EY-4-TM
1-1/2"	EY-5	EY-5M	5-1/8"(130)	4-5/8"(117)	3-7/16"(87)	EY-5-T	EY-5-TM
2"	EY-6	EY-6M	5-1/8"(230)	5-11/16"(144)	4-1/4"(108)	EY-6-T	EY-6-TM
2-1/2"	EY-7	EY-7M	7"(178)	6-5/16"(160)	4-5/8"(117)	EY-7-T	EY-7-TM
3"	EY-8	EY-8M	7"(178)	6-5/16"(160)	4-5/8"(117)	EY-8-T	EY-8-TM
3-1/2"	EY-9①	EY-9M①	8-3/4"(222)	7-1/8"(181)	5-3/8"(138)	EY-9-T①	EY-9-TM①
4"	EY-0①	EY-0M①	8-3/4"(222)	7-1/8"(181)	5-3/8"(138)	EY-0-T①	EY-0-TM①

EYD SEALING FITTINGS						EYD WITH NIPPLE	
HUB SIZE	CATALOG NUMBER		DIMENSIONS		TURNING RADIUS	CATALOG NUMBER	
	KILLARK ALUMINUM	DURALOY IRON	A	B		KILLARK ALUMINUM	DURALOY IRON
1/2"	EYD-1	EYD-1M	4-9/32"(109)	3-1/8"(79)	2-1/4"(57)	EYD-1-T	EYD-1-TM
3/4"	EYD-2	EYD-2M	4-9/32"(109)	3-1/8"(79)	2-1/4"(57)	EYD-2-T	EYD-2-TM
1"	EYD-3	EYD-3M	4-9/32"(109)	3-1/8"(79)	2-1/4"(57)	EYD-3-T	EYD-3-TM
1-1/4"	EYD-4	EYD-4M	5-1/8"(130)	3-7/8"(98)	2-7/8"(73)	EYD-4-T	EYD-4-TM
1-1/2"	EYD-5	EYD-5M	5-1/8"(130)	4-5/8"(117)	3-7/16"(87)	EYD-5-T	EYD-5-TM
2"	EYD-6	EYD-6M	5-1/8"(130)	5-11/16"(144)	4-1/4"(108)	EYD-6-T	EYD-6-TM
2-1/2"	EYD-7	EYD-7M	7"(178)	6-5/16"(160)	4-5/8"(117)	EYD-7-T	EYD-7-TM
3"	EYD-8	EYD-8M	7"(178)	6-5/16"(160)	4-5/8"(117)	EYD-8-T	EYD-8-TM
3-1/2"	EYD-9①	EYD-9M	8-3/4"(122)	7-1/8"(181)	5-3/8"(137)	EYD-9-T①	EYD-9-TM①
4"	EYD-0①	EYD-0M	8-3/4"(122)	7-1/8"(181)	5-3/8"(137)	EYD-0-T①	EYD-0-TM①

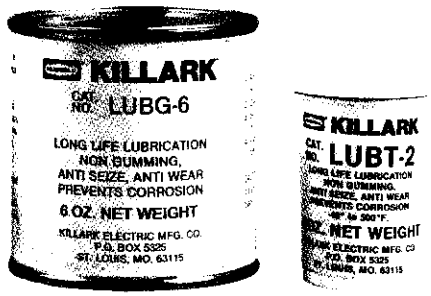
① CSA Certified for Class I, Group D only.

HUBBELL
KILLARK®



Sealing Compound

Packing Fiber



Thread Lubricants

FEATURES-SPECIFICATIONS

Series SC/PF/LUBG Sealing Materials

Sealing Compound
SC Series Sealing compound is a cement used extensively for sealing conduit to prevent the spread of explosive gases. It is non-shrinking and a secure seal is formed. SC Series resists acids, water, oil, etc. It is UL Listed for use with Killark ENY, EY, and EYS Series. Also CSA certified for use with any CSA certified sealing fitting.

Packing Fiber
Killark's Packing Fiber is made from an environmentally safe, non-asbestos material. It is easy to use and forms a positive dam to hold compound (Killark SC Type) in ENY, EY, and EYS Series fittings.

Thread Lubricants
Two special blends of lubricants have been developed by Killark for use with threaded joints. These lubricants are to be used to prevent galling of pipe threads when threaded into a coupling, junction box, etc. They insure a quick release of undamaged male and female threads when parts are disassembled.

LUBG is a general purpose lubricant to be used in temperatures ranging from 0° to 125°F.

LUBT is a high-quality lubricant to be used in temperatures ranging from -40° to +500°F. It is recommended to be used on hazardous location lighting fixtures.

OUNCES REQUIRED PER FITTING

HUB SIZE	SEALING COMPOUND ENY①	EYS①	EY/EYD	PACKING FIBER
1/2"	1.5 oz.	3.0 oz.	1.0 oz.	1/16 oz.
3/4"	2.0 oz.	3.0 oz.	2.0 oz.	1/8 oz.
1"	3.0 oz.	8.0 oz.	4.5 oz.	1/4 oz.
1-1/4"	6.5 oz.	8.5 oz.	7.5 oz.	1/2 oz.
1 1/2"	8.5 oz.	17.5 oz.	12.0 oz.	1 oz.
2"	15.0 oz.	27.0 oz.	24.0 oz.	2 oz.
2-1/2"	—	42.0 oz.	44.0 oz.	3 oz.
3"	—	47.0 oz.	44.0 oz.	4 oz.
3-1/2"	—	56.0 oz.	75.0 oz.	6 oz.
4"	—	56.0 oz.	75.0 oz.	9 oz.

① ENY/EYS suitable for both horizontal or vertical applications.

SEALING COMPOUND

CATALOG NUMBER	SIZE PACKAGE
SC-4 OZ	4 oz.
SC-8 OZ	8 oz.
SC-1 LB	1 lb.
SC-5 LB	5 lbs.

PACKING FIBER

CATALOG NUMBER	SIZE PACKAGE
PF-2	2 oz.
PF-4	4 oz.
PF-16	1 lb.

THREAD LUBRICANTS

CATALOG NUMBER	CONTAINER PACKAGE
LUBT-2	2 oz.
LUBG-6	6 oz.

ENY

EYD

AVAILABLE SUMMER 2001

ENY40 & EYD40-1, 2, 3, 4, 5, 6, 7, 8, 9
Class I, Div. 1 & 2, Groups B, C, D
Class I, Zone 1, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III

ENY40 & EYD40-0
Class I, Div. 1 & 2, Groups C, D
Class I, Zone 1, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III

FEATURES-SPECIFICATIONS

Application
To seal Rigid Conduit or IMC Raceways with up to 40% wire fill.

Features
- A 40% wire fill capacity
- Large openings with threaded closures to provide easy access to conduit hubs for making dams
- Integral bushing in conduit hubs to protect conductor insulation from damage
- NPT threaded hubs to ensure ground continuity
- Minimum turning radius

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
- Electrostatically applied powder coating

Duraloy Iron
- Tri-Coat Finish of electrozinc, chromate sealant, and electrostatically applied powder coating

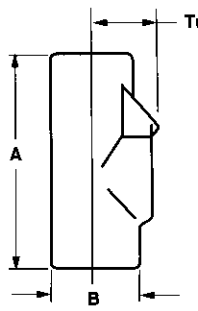
ENY40 40% VERTICAL AND/OR HORIZONTAL CONDUIT SEALING FITTINGS

HUB SIZE	CATALOG NUMBER		DIMENSIONS		TURNING RADIUS*	REQUIRED SEALING COMPOUND & PACKING FIBER OZ.	PER HUB (PF)
	KILLARK ALUMINUM	DURALOY IRON	A	B			
1/2"	ENY40-1	ENY40-1M	3-11/16"(94)	1-1/2"(38)	1-1/4"(32)	2	0.06
3/4"	ENY40-2	ENY40-2M	4-5/16"(110)	1-3/4"(44)	1-3/8"(35)	4	0.12
1"	ENY40-3	ENY40-3M	5-1/16"(129)	2-3/16"(56)	1-3/4"(44)	7	0.26
1-1/4"	ENY40-4	ENY40-4M	5-1/2"(140)	2-7/16"(62)	2-1/16"(52)	13	1.00
1-1/2"	ENY40-5	ENY40-5M	6-1/4"(159)	3"(76)	2-5/16"(59)	22	2.00
2"	ENY40-6	ENY40-6M	7-1/2"(191)	3-1/2"(89)	2-5/8"(67)	36	3.00
2-1/2"	ENY40-7	ENY40-7M	8-1/2"(216)	4-1/4"(108)	3"(76)	61	3.56
3"	ENY40-8	ENY40-8M	9-3/16"(233)	4-3/4"(121)	3-5/16"(84)	89	6.00
3-1/2"	ENY40-9	ENY40-9M	9-3/4"(248)	5-1/4"(133)	3-5/8"(92)	114	7.00
4"	ENY40-0	ENY40-0M	11-1/16"(281)	6-1/2"(165)	4-1/4"(108)	202	9.60

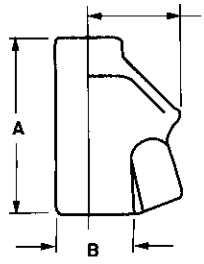
EYD40 40% VERTICAL CONDUIT DRAIN SEALING FITTINGS

HUB SIZE	CATALOG NUMBER		DIMENSIONS		TURNING RADIUS*	REQUIRED SEALING COMPOUND & PACKING FIBER OZ.	PER HUB (PF)
	KILLARK ALUMINUM	DURALOY IRON	A	B			
1/2"	EYD40-1	EYD40-1M	3-11/16"(94)	1-1/2"(38)	1-15/16"(49)	4	0.03
3/4"	EYD40-2	EYD40-2M	4-5/16"(110)	1-3/4"(44)	2-3/8"(60)	6	0.06
1"	EYD40-3	EYD40-3M	5-1/16"(129)	2-3/16"(56)	1-3/4"(44)	7	0.13
1-1/4"	EYD40-4	EYD40-4M	5-1/2"(140)	2-7/16"(62)	2-1/16"(52)	13	0.50
1-1/2"	EYD40-5	EYD40-5M	6-1/4"(159)	3"(76)	2-5/16"(59)	22	1.00
2"	EYD40-6	EYD40-6M	7-1/2"(191)	3-1/2"(89)	2-5/8"(67)	36	1.50
2-1/2"	EYD40-7	EYD40-7M	8-1/2"(216)	4-1/4"(108)	3"(76)	61	1.75
3"	EYD40-8	EYD40-8M	9-3/16"(233)	4-3/4"(121)	3-5/16"(84)	89	3.00
3-1/2"	EYD40-9	EYD40-9M	9-3/4"(248)	5-1/4"(133)	3-5/8"(92)	114	3.50
4"	EYD40-0	EYD40-0M	11-1/16"(281)	6-1/2"(165)	4-1/4"(108)	202	4.50

** Turning radius with cover plug removed.*

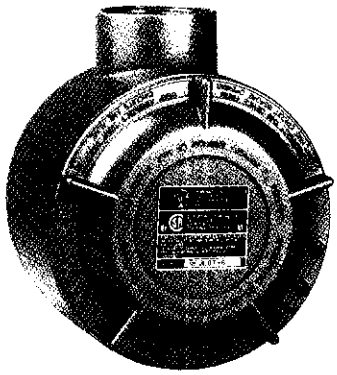


ENY40



EYD40

HUBBELL
KILLARK



GEJET Type

- 1/2" and 3/4" Bodies
  Class I, Groups C & D
  Class I, Zone 1, Groups IIB, IIA
- 1", 1-1/4", 1-1/2", and 2" Bodies
  Class I, Group D
  Class I, Zone 1, Group IIA
- All Bodies
  Class II and Class III
- For GEJ Series CSA applications for Class I Group C, seal conduit within 18 inches

UL Listed File No. E 10514

CSP Certified File No. LR11716

FEATURES-SPECIFICATIONS

Applications

GE series conduit boxes are installed in conduit systems within hazardous areas to:

- Protect conductors in threaded rigid conduit
- Act as pull and splice boxes
- Interconnect lengths of conduit
- Change conduit direction
- Provide access to conductors for maintenance and future system changes

Features

GE conduit outlet boxes have:

- GEM, GEC and GES have water shedding cover — suitable for wet locations when mounted in upright position
- External cover threads on body protecting conductors from damage during pulling
- No pinching of conductors during cover installation
- Ten different hub arrangements
- Taper threaded hubs to provide ground continuity
- Smooth integral hub bushing to protect conductor insulation when pulling
- Internally threaded cover openings for additional wiring room
- Covers furnished with boxes
- Weather-resistant finish
- Green ground screw standard in all boxes

Material/Finish

Aluminum

- **BODY** Copper-free aluminum (less than 4/10 of 1%)
- **FINISH** Electrostatically applied powder coating
- **COVER** (Aluminum) Copper-free aluminum (less than 4/10 of 1%). Electrostatically applied powder coating

Iron

- **BODY** Duraloy iron alloy
- **FINISH** Tri-coat finish of electrozinc, chromate sealant, and electrostatically applied powder coating
- **COVER** (Aluminum) Copper-free aluminum (less than 4/10 of 1%). Electrostatically applied powder coating

Size Ranges

- Hub — 1/2" to 2"
- Cover opening — 2-1/16" to 4-7/8" diameter

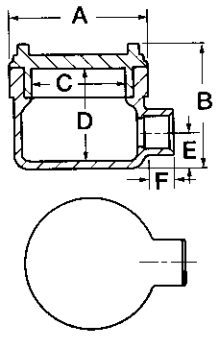
Applicable Third Party Standards

UL Standard: 886
CSA Standard: C22.2 No. 30
Fed Spec: W-C-586D
Mil Spec: F-28675

E TYPE OUTLET BODY

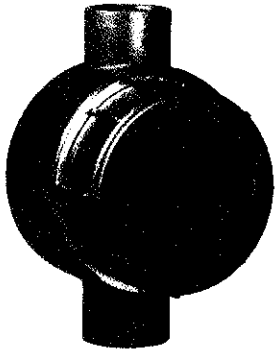
CATALOG NUMBER		HUB SIZE	DIMENSIONS						COVER OPENINGS	VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F		
GECET-1	GECET-1M	1/2"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECET-2	GECET-2M	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECET-3	GECET-3M	1"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	1-1/8" (21)	2-11/16" (68)	19
—	—	1-1/4"	—	—	—	—	—	—	—	—
GEJET-5	GEJET-5M	1-1/2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-3/16" (46)	1-3/16" (46)	4-7/8" (124)	75

Dimensions

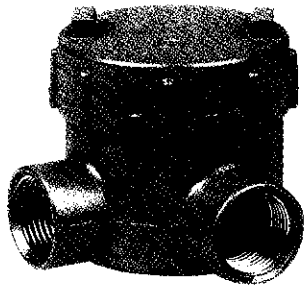


E Type

HUBBELL
KILLARK



GES
C Type



GEM
L Type

- 1/2" and 3/4" Bodies
  Class I, Groups C,D
  Class I, Zone 1, Groups IIB, IIA
- 1", 1-1/4", 1-1/2", and 2" Bodies
  Class I, Group D
  Class I, Zone 1, Group IIA
- All Bodies
  Class II and Class III
- For GEJ Series CSA applications for Class I Group C, seal conduit within 18 inches

UL Listed File No. E 10514

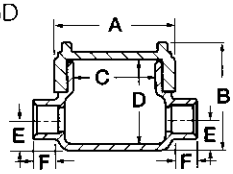
CSA Certified File No. LR11716

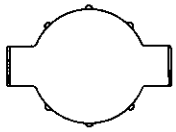
FEATURES-SPECIFICATIONS

See page F49 for Standard Materials & Finish

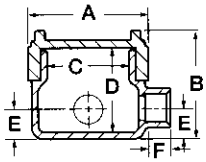
Applicable Third Party Standards
UL Standard: 886
CSA Standard: C22.2 No. 30
Fed Spec: W-C-586D
Mil Spec: F-28675

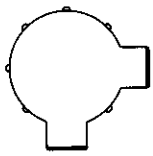
Dimensions





C Type





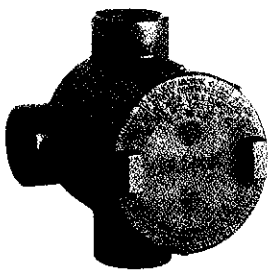
L Type

C TYPE OUTLET BODY

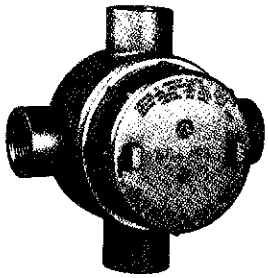
CATALOG NUMBER		HUB SIZE	DIMENSIONS						COVER OPENINGS	VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F		
GEMC-1	—	1/2"	2-13/16" (71)	3" (76)	2-1/16" (52)	2-5/16" (79)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEMC-2	—	3/4"	2-13/16" (71)	3" (76)	2-1/16" (52)	2-5/16" (79)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GECCT-1	GECCT-1M	1/2"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECCT-2	GECCT-2M	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECCT-3	GECCT-3M	1"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	1-1/8" (28)	2-11/16" (68)	19
GESCT-3	GESCT-3M	1"	5-1/16" (128)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (28)	3-9/16" (90)	42
GESCT-4	GESCT-4M	1-1/4"	5-1/16" (128)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-3/16" (30)	3-9/16" (90)	42
GEJCT-5	GEJCT-5M	1-1/2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-3/16" (30)	1-3/16" (30)	4-7/8" (124)	75
GEJCT-6	GEJCT-6M	2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-1/2" (38)	1-3/16" (30)	4-7/8" (124)	75

L TYPE OUTLET BODY

GEML-1	—	1/2"	2-13/16" (71)	3" (76)	2-1/16" (52)	2-5/16" (79)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEML-2	—	3/4"	2-13/16" (71)	3" (76)	2-1/16" (52)	2-5/16" (79)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GECLT-1	GECLT-1M	1/2"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECLT-2	GECLT-2M	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECLT-3	GECLT-3M	1"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (28)	2-11/16" (68)	19
GESLT-3	GESLT-3M	1"	5-1/16" (128)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (28)	3-9/16" (90)	42
GESLT-4	GESLT-4M	1-1/4"	5-1/16" (128)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-3/16" (30)	3-9/16" (90)	42
GEJLT-5	GEJLT-5M	1-1/2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (87)	1-3/16" (30)	1-3/16" (30)	4-7/8" (124)	75
GEJLT-6	GEJLT-6M	2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (87)	1-1/2" (38)	1-3/16" (30)	4-7/8" (124)	75



GEC
T Type



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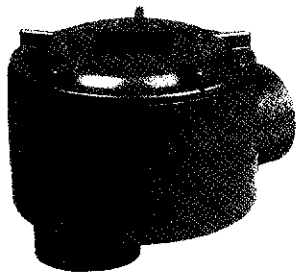
X Type



GEJ
LB Type

- 1/2" and 3/4" Bodies
  Class I, Groups C,D
  Class I, Zone 1, Groups IIB, IIA
- 1", 1-1/4", 1-1/2", and 2" Bodies
  Class I, Group D
  Class I, Zone 1, Group IIA
- All Bodies
  Class II and Class III
- For GEJ Series CSA applications for Class I Group C, seal conduit within 18 inches

UL Listed File No. E 10514

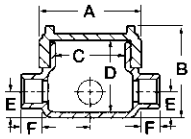
CSA Certified File No. LR11716

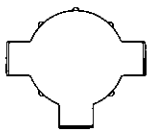
FEATURES-SPECIFICATIONS

See page F49 for Standard Materials & Finish

Applicable Third Party Standards
UL Standard: 886
CSA Standard: C22.2 No. 30
Fed Spec: W-C-586D
Mil Spec: F-28675

Dimensions





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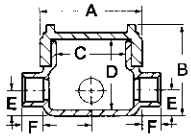
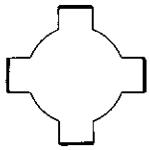
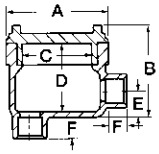
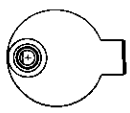




X Type





LB Type

T TYPE OUTLET BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS						COVER OPENINGS	VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F		
GEMT-1	—	1/2"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16 (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEMT-2	—	3/4"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16 (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GECTT-1	GECTT-1M	1/2"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECTT-2	GECTT-2M	3/4"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECTT-3	GECTT-3M	1"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GESTT-3	GESTT-3M	1"	5-1/16" (129)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (29)	3-9/16" (90)	42
GESTT-4	GESTT-4M	1-1/4"	5-1/16" (129)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (29)	3-9/16" (90)	42
GEJTT-5	GEJTT-5M	1-1/2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-3/16" (30)	1-3/16" (30)	4-7/8" (124)	75
GEJTT-6	GEJTT-6M	2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-1/2" (38)	1-3/16" (30)	4-7/8" (124)	75

X TYPE OUTLET BODY

GEMX-1	—		2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16 (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEMX-2	—		2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16 (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GECXT-1	GECXT-1M	1/2"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECXT-2	GECXT-2M	3/4"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECXT-3	GECXT-3M	1"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GESXT-3	GESXT-3M	1"	5-1/16" (129)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (29)	3-9/16" (90)	42
GESXT-4	GESXT-4M	1-1/4"	5-1/16" (129)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (29)	3-9/16" (90)	42
GEJXT-5	GEJXT-5M	1-1/2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-1/2" (38)	1-3/16" (30)	4-7/8" (124)	75
GEJXT-6	GEJXT-6M	2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-1/2" (38)	1-3/16" (30)	4-7/8" (124)	75

LB TYPE OUTLET BODY

GEMLB-1	—		2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16 (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEMLB-2	—		2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16 (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GECLBT-1	GECLBT-1M	1/2"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECLBT-2	GECLBT-2M	3/4"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECLBT-3	GECLBT-3M	1"	3-11/16" (93)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GESLBT-3	GESLBT-3M	1"	5-1/16" (129)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (29)	3-9/16" (90)	42
GESLBT-4	GESLBT-4M	1-1/4"	5-1/16" (129)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-1/8" (29)	3-9/16" (90)	42
GEJLBT-5	GEJLBT-5M	1-1/2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-1/2" (38)	1-3/16" (30)	4-7/8" (124)	75
GEJLBT-6	GEJLBT-6M	2"	6-1/4" (159)	4-3/8" (111)	4-7/8" (124)	3-9/16" (90)	1-1/2" (38)	1-3/16" (30)	4-7/8" (124)	75

HUBBELL
KILLARK®

GEM
LA Type

GESXAT
XA Type

GEM
TA Type

GEM
CA Type

GEC
EAT Type

- 1/2" and 3/4" Bodies — Class I, Groups C,D Class I, Zone 1, Groups IIB, IIA
- 1", 1-1/4", 1-1/2", and 2" Bodies — Class I, Group D Class I, Zone 1, Group IIA
- All Bodies — Class II and Class III
- For GEJ Series CSA applications for Class I Group C, seal conduit within 18 inches

Ⓤ Listed File No. E 10514

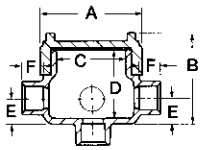
Ⓒ Certified File No. LR11716

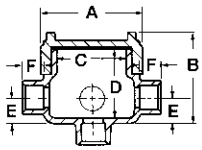
FEATURES-SPECIFICATIONS

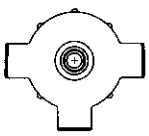
See page F49 for Standard Materials & Finish

Applicable Third Party Standards
UL Standard: 886
CSA Standard: C22.2 No. 30
Fed Spec: W-C-586D
Mil Spec: F-28675

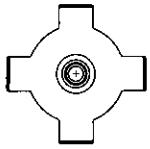
Dimensions



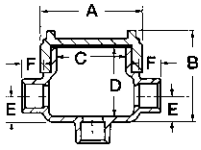


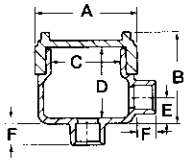


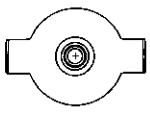
TAT Type



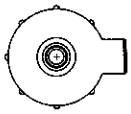
XAT Type







CAT Type



EAT Type

LA TYPE OUTLET BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS						COVER OPENINGS	VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F		
GEMLA-1	—	1/2"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16" (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEMLA-2	—	3/4"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16" (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8

TAT TYPE OUTLET BODY

GEMTA-1	—	1/2"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16" (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEMTA-2	—	3/4"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16" (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GECTAT-2	GECTAT-2M	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19

XAT TYPE OUTLET BODY

GECXAT-1	GECXAT-1M	1/2"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECXAT-2	GECXAT-2M	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECXAT-3	GECXAT-3M	1"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GESXAT-4	GESXAT-4M	1-1/4"	5-1/16" (128)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-3/16" (30)	3-9/16" (90)	42

CAT TYPE OUTLET BODY

GEMCA-1	—	1/2"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16" (59)	11/16" (17)	13/16" (21)	2-1/16" (52)	8
GEMCA-2	—	3/4"	2-13/16" (56)	3" (76)	2-1/16" (52)	2-5/16" (59)	11/16" (17)	1-3/16" (30)	2-1/16" (52)	8
—	GECCAT-1M	1/2"	3-11/16 (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GESCAT-4	GESCAT-4M	1-1/4"	5-11/16 (144)	4-1/8" (105)	3-9/16" (90)	3-7/16" (87)	1-1/16" (27)	1-3/16" (30)	3-9/16" (90)	42

EAT TYPE OUTLET BODY

GECEAT-2	GECEAT-2M	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19

HUBBELL
KILLARK

GECXTF
XTF Type Outlet Body
With Mounting Flange

- **1/2" and 3/4" Bodies**
  Class I, Groups C,D
  Class I, Zone 1, Groups IIB, IIA
- **1" Body**
  Class I, Group D
  Class I, Zone 1, Group IIA

Listed File No. E 10514

Certified File No. LR11716

FEATURES-SPECIFICATIONS

See page F49 for Standard Materials & Features

Applicable Third Party Standards

UL Standard: 886

CSA Standard: C22.2 No. 30

Fed Spec: W-C-586D

Mil Spec: F-28675

Material/Finish

Aluminum

- **BODY** Copper-free aluminum (less than 4/10 of 1%)
- **FINISH** Electrostatically applied powder coating
- **COVER** (Aluminum) Copper-free aluminum (less than 4/10 of 1%). Electrostatically applied powder coating

Iron

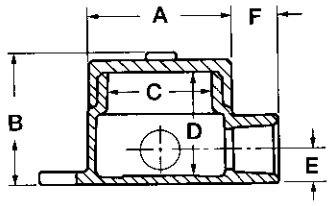
- **BODY** Duraloy iron alloy
- **FINISH** Tri-Coat Finish of Electrozinc, Chromate Sealant, and electrostatically applied powder coating
- **COVER** (Aluminum) Copper-free aluminum (less than 4/10 of 1%). Electrostatically applied powder coating

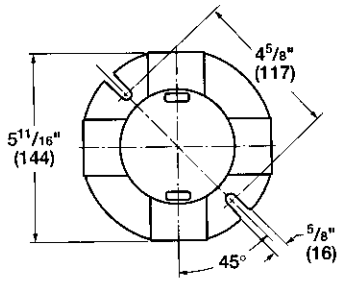
Size Ranges:

- Hub — 1/2" to 1"
- Cover opening — 2-11/16"

XTF TYPE OUTLET BODY

CATALOG NUMBER		HUB SIZE	DIMENSIONS						COVER OPENINGS	VOLUME CU. IN.
KILLARK ALUM.	DURALOY IRON		A	B	C	D	E	F		
GECXTF-1	GECXTF-1M	1/2"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECXTF-2	GECXTF-2M	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
GECXTF-3	GECXTF-3M	1"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19

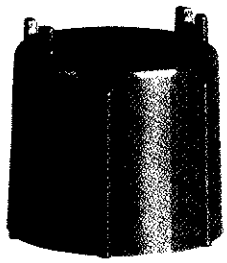


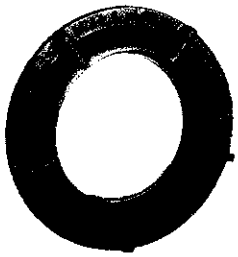


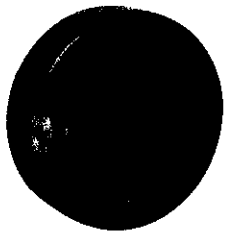
XTF Type
With Mounting Flange

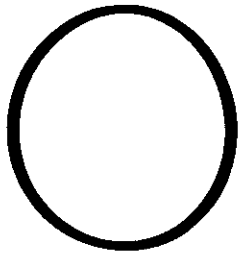
HUBBELL
KILLARK®

Blank Cover


4GOU
Dome Cover


Lens Cover


Sealing Cover


Gasket

FEATURES-SPECIFICATIONS

Material/Finish
- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

- Blank covers are supplied standard on all GE Series bodies

BLANK COVER

CATALOG NUMBER	SERIES
GEMBC	GEM
GECBC	GEC
GESBC	GES
GRMBC	GEJ

- Dome covers provide additional wiring room for splicing or accommodating components

DOME COVER

CATALOG NUMBER	SERIES	VOLUME CUBIC INCH
2GOU	GEC	13.3
4GOU	GEC	47.0
3GRMD	GEJ	55.0
5GRMD	GEJ	80.0

- Clear cover lens for viewing

LENS COVER

CATALOG NUMBER	SERIES
GL-375	GEJ

- Sealing cover used to convert body into sealing fitting

SEALING COVER

CATALOG NUMBER	SERIES
GEMEY②	GEM
GECEY	GEC
GESEY	GES
GEJEY	GEJ

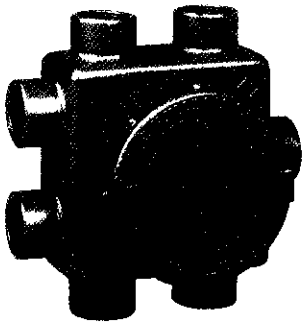
② *Sealing Covers CSA only.*
Since all Series GE boxes are listed with a blank cover, deduct the price of blank cover and add the price of the desired cover. Outlet bodies listed on preceding page.

- Rubber gasket fits between cover and body to make assembly watertight
- Complies with NEMA 4

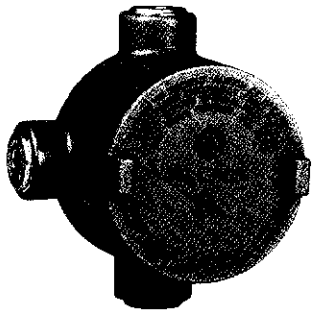
GASKET

CATALOG NUMBER	SERIES
GEM-RG	GEM
GEC-RG	GEC
GES-RG	GES
GRM-RG	GEJ

HUBBELL
KILLARK



GRSA



GRR

Class I, Div. 1 & 2, Groups C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III

Listed - File E10514

Certified - File LR11716
See files for details or call Killark.

FEATURES-SPECIFICATIONS

GRSA

Features

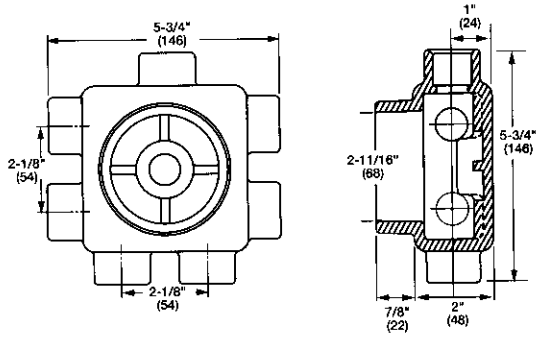
- Cast conduit hubs with integral bushings
- Cover included
- Replacement cover catalog number **GECBC**
- Five close-up plugs included
- Sealing, hub, dome covers and gaskets available (page F54)

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

GRSA W/BLANK COVER		
CATALOG NUMBER	HUBS	VOLUME CU. IN.
GRSA	Furnished with eight 3/4" hubs including one 3/4" flush hub in back center	26.5

Dimensions



GRR

Features

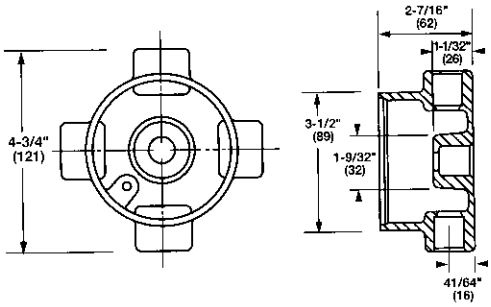
- Cast conduit hubs with integral bushings
- Blank cover included
- Replacement cover catalog number **GRRBC**
- Compact size
- Supplied with five hubs and three close-up plugs

Material/Finish

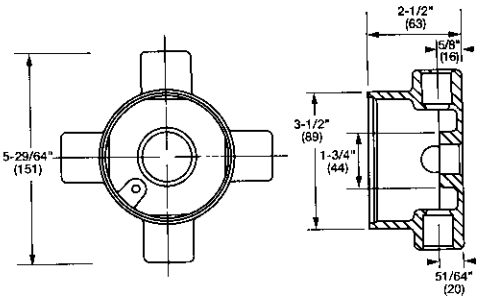
- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

GRR W/BLANK COVER		
CATALOG NUMBER	HUB SIZE	VOLUME CU. IN.
GRR-1	1/2"	13.0
GRR-2	3/4"	13.0
GRR-3	1"	14.0

Blank Cover-only-GRRBC

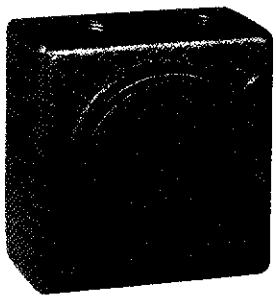


GRR 1 & 2



GRR-3

HUBBELL
KILLARK



GRSS

GRSSA

Class I, Div. 1 & 2, Groups C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III

Listed - File E10514

Certified - File LR11716
See files for details or call Killark.

FEATURES-SPECIFICATIONS

GRSS/GRSSA

Features

- Internal hubs
- Blank cover included **(Cat. No. GRRBC)**
- Compact design and multiple hub configurations
- Furnished with internal ground screw
- Cast-in brackets on cover for use with breaker-bar tools

GRSS Type

Furnished with seven internal hubs, two hubs are on the top and bottom, one each on the two sides and one hub in the back. Four close-up plugs supplied. Series GUM unions can be used.

GRSSA Type

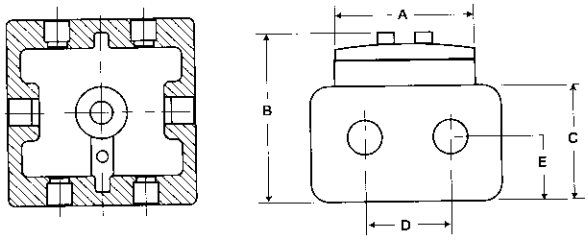
Furnished with 13 hubs, two on each side and five in back. Five close-up plugs are supplied.

Material/Finish

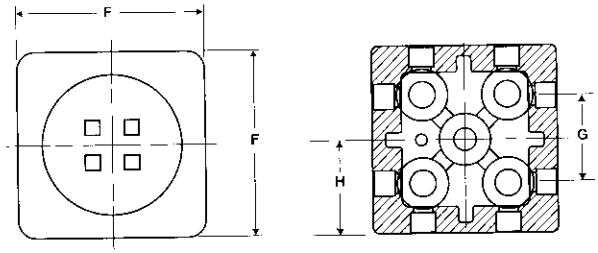
- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

GRSS/GRSSA

CATALOG NUMBER	HUB SIZE	NUMBER OF OPERNINGS	NUMBER OF CLOSE-UP PLUGS FURNISHED
GRSS-1	1/2"	7	4
GRSS-2	3/4"	7	4
GRSS-3	1"	7	4
GRSSA-1	1/2"	13	5
GRSSA-2	3/4"	13	5



GRSS Dimensions

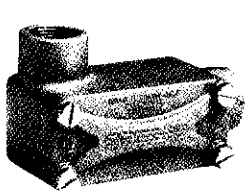


GRSSA Dimensions

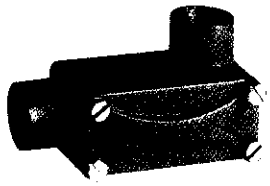
GRSS/GRSSA DIMENSIONS

CATALOG NUMBER	HUB SIZE	NO. OF OPENINGS	CLOSE-UP PLUGS FURNISHED	DIMENSIONS IN INCHES								COVER OPENINGS	VOLUME CU. IN.
				A	B	C	D	E	F	G	H		
GRSS-1	1/2"	7	4	3-1/2"	3-1/2"	2-3/8"	2-1/8"	1-3/16"	4-5/8"	N/A	1-1/4"	3-1/8"	29
GRSS-2	3/4"	7	4	3-1/2"	3-1/2"	2-3/8"	2-1/8"	1-3/16"	4-5/8"	N/A	1-1/4"	3 1/8"	29
GRSS-3	1"	7	4	3-1/2"	3-1/2"	2-3/8"	2-1/8"	1-3/16"	4-5/8"	N/A	1-1/4"	3-1/8"	29
GRSSA-1	1/2"	13	5	3-1/2"	3-1/2"	2-3/8"	2-1/8"	1-3/16"	4-5/8"	2-1/8"	1-1/4"	3-1/8"	20
GRSSA-2	3/4"	13	5	3-1/2"	3-1/2"	2-3/8"	2-1/8"	1-3/16"	4-5/8"	2-1/8"	1-1/4"	3-1/8"	20

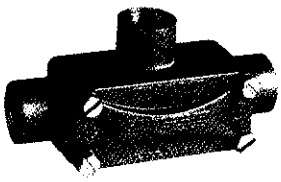
HUBBELL
KILLARK



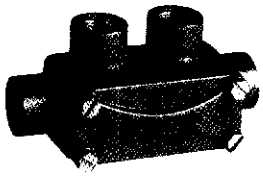
XLL-2



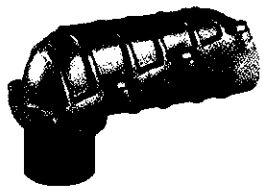
XLR-2



XT-2



XLRT-21



XALB

X Series
Class I, Div. 1 & 2, Groups C,D①
Class II, Div. 1 & 2, Groups E,F,G
Class III

XALB Series
Class I, Div. 1 & 2, Group D
Class II, Div. 1 & 2, Groups E,F,G
Class III

Ⓤ Listed - File E10514
Ⓒ Certified - File LR11716
See files for details or call Killark.

FEATURES-SPECIFICATIONS

X

Features

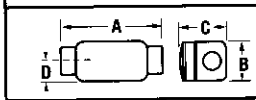
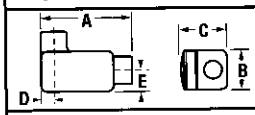
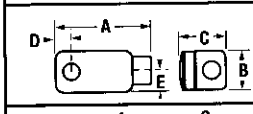
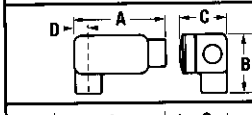
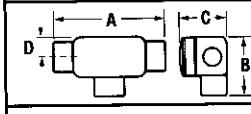
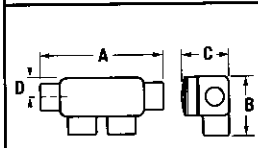
- Integral bushings
- Easy access covers
- Six hub styles
- Sizes 1/2", 3/4", 1"

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

① X Series 1" hub size suitable for Class I, Group D

X DIMENSIONS

	CATALOG NUMBER	HUB SIZE	A LENGTH	B WIDTH	C HEIGHT	D	E	VOLUME CU. IN.
	XC-1	1/2"	5-9/16"	1-17/32"	2-1/8"	5/8"	—	4.3
	XC-2	3/4"	5-13/16"	1-3/4"	2-1/4"	11/16"	—	6.5
	XC-3	1"①	6-1/16"	2-3/8"	2-1/2"	7/8"	—	11.5
	XLL-1	1/2"	4-5/8"	2-7/16"	2-1/8"	5/8"	3/4"	4.3
	XLL-2	3/4"	4-29/32"	2-5/8"	2-1/4"	11/16"	7/8"	6.5
	XLL-3	1"①	5-9/16"	3-1/2"	2-1/2"	7/8"	7/8"	11.5
	XLB-1	1/2"	4-5/8"	1-17/32"	2-15/16"	5/8"	3/4"	4.3
	XLB-2	3/4"	4-29/32"	1-3/4"	3-1/8"	11/16"	11/16"	6.5
	XLB-3	1"①	5-17/32	2-3/8"	3-5/8"	7/8"	7/8"	11.5
	XLR-1	1/2"	4-5/8"	2-7/16"	2-1/8"	5/8"	3/4"	4.3
	XLR-2	3/4"	4-29/32"	2-5/8"	2-1/4"	11/16"	7/8"	6.5
	XLR-3	1"①	5-9/16"	3-1/2"	2-1/2"	7/8"	7/8"	11.5
	XT-1	1/2"	5-9/16"	2-7/16"	2-1/8"	5/8"	—	4.3
	XT-2	3/4"	5-13/16"	2-5/8"	2-1/4"	11/16"	—	6.5
	XT-3	1"①	6-11/16"	3-1/2"	2-1/2"	7/8"	—	11.5
	XLRT-21	3/4" Ends 1/2" Side	5-3/4"	2-21/32"	2-1/2"	11/16"	—	7
	XLRT-22	3/4" End 3/4" Side	5-3/4"	2-21/32"	2-1/2"	11/16"	—	7

XALB

Applications

Designed to permit straight pulls of heavy cable.

Features

- Integral bushings
- Easy access covers
- Sizes 1-1/4" thru 3"

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Electrostatically applied powder coating

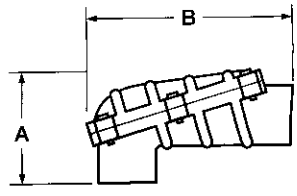
XALB CONDUIT BODIES

CATALOG NUMBER	HUB SIZE
XALB-4	1-1/4"
XALB-5	1-1/2"
XALB-6	2"
XALB-7	2-1/2"
XALB-8	3"

XALB Series suitable for Class 1, Group D only.

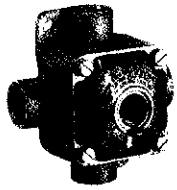
XALB DIMENSIONS

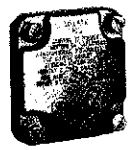
CONDUIT SIZE	A OVERALL DEPTH	B LENGTH OF BODY	WIDTH OF BODY
1-1/4"	4-1/16"(103)	7-3/4"(197)	3-15/16"(100)
1-1/2"	4-1/16"(103)	7-3/4"(197)	3-15/16"(100)
2"	5-7/8"(149)	11-1/8"(282)	4-3/4"(121)
2-1/2"	8-1/4"(209)	17-1/2"(444)	6-7/16"(163)
3"	8-1/4"(209)	17-1/2"(444)	6-7/16"(163)

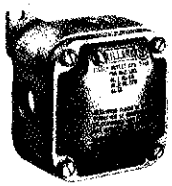


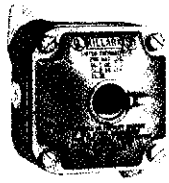
HUBBELL
KILLARK®

JLC-20


JLX-21


JCB


JALX-20


JALX-22

JAH-2

Class I, Div. 1 & 2, Groups C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III

Ⓤ Listed - File E10514

Ⓢ Certified - File LR11716
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications
To provide access to conductors for pulling, splicing, and maintenance. May be used as a fixture hanger.

Features
- Option of blank or hub covers
- Cast mounting lugs
- Large wiring area
- Furnished with internal ground screw
- Hub covers include set screws for locking to lighting fixture stems
- JL - Cast external hubs with integral bushings
- JAL - Four drilled and tapped conduit openings in an "x" configuration (three, close-up plugs included to allow five variations from one body)
- Option of blank or hub covers

Material/Finish
- Copper-free aluminum (less than 4/10 of 1%)
- Natural Finish

JL OUTLET BODIES WITH COVER

CATALOG NUMBER		BOX TYPE	CONDUIT SIZE		BOX ONLY VOL. CU. IN.
WITH BLANK COVER	WITH HUB COVER		BOX①	COVER	
JLC-10	JLC-11	C	1/2"	1/2"	12.5
—	JLC-12	C	1/2"	3/4"	12.5
JLC-20	JLC-21	C	3/4"	1/2"	12.5
—	JLC-22	C	3/4"	3/4"	12.5
JLX-10	JLX-11	X	1/2"	1/2"	12.5
—	JLX-12	X	1/2"	3/4"	12.5
JLX-20	JLX-21	X	3/4"	1/2"	12.5
—	JLX-22	X	3/4"	3/4"	12.5

① *To order box only omit last digit of catalog number.*

JAL OUTLET BODIES WITH COVER

CATALOG NUMBER		TYPE	CONDUIT SIZE		BOX ONLY VOL. CU. IN.
WITH BLANK COVER	WITH HUB COVER		BOX①	COVER	
JALX-10	JALX-11	X	1/2"	1/2"	26.5
—	JALX-12	X	1/2"	3/4"	26.5
JALX-20	JALX-21	X	3/4"	1/2"	26.5
—	JALX-22	X	3/4"	3/4"	26.5
JALX-30	JALX-31	X	1"	1/2"	26.5
—	JALX-32	X	1"	3/4"	26.5
JALX-40	—	X	1-1/4"②	1/2"	39

① *To order box only omit last digit of catalog number.* ② *1-1/4" for Class I, Group D.*

REPLACEMENT HUB COVER

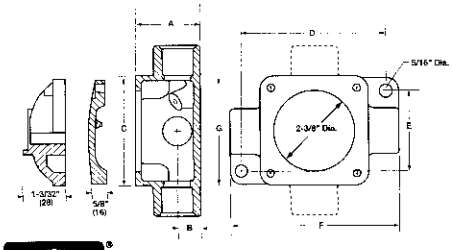
CATALOG NUMBER	SERIES	HUB SIZE	DEPTH	VOLUME CU. IN.
JH-1	JL	1/2"	1-3/32"	1.5
JH-2	JL	3/4"	1-3/32"	1.5
JAH-1	JAL	1/2"	1-1/8"	6.5
JAH-2	JAL	3/4"	1-1/8"	6.5

REPLACEMENT BLANK COVER

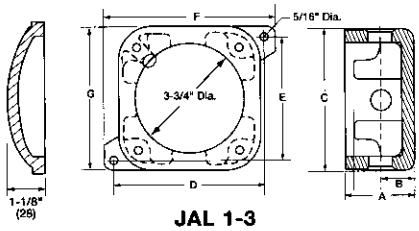
CATALOG NUMBER	SERIES	DEPTH	VOLUME CU. IN.
JCB	JL	5/8"	1.0
JABC	JAL	1-1/8"	7.5

DIMENSIONS

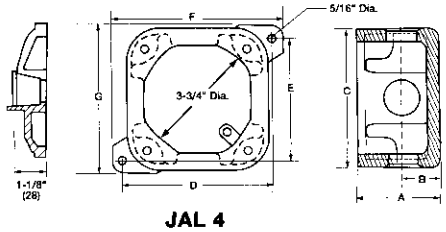
SERIES	A	B	C	D	E	F	G
JL 1/2", 3/4"	1-15/16"	11/16"	3-1/4"	4-7/32"	2-3/8"	5/16"	3-1/4"
JAL 1/2", 3/4", 1"	2-3/8"	1-5/32"	4-3/4"	5-1/4"	5-1/4"	5/16"	4-3/4"
JAL 1-1/4"	3-3/16"	1-17/32"	4-5/8"	5-7/8"	4-1/8"	5/16"	4-13/16"



JL 1-2

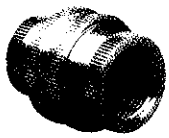


JAL 1-3



JAL 4

HUBBELL
KILLARK



GUF-2

GUF-8

GUM-2

GUML-2

UNF2

Female to Female

UNY4

UNY2

Male to Female

GUML-2M

90° Elbow Union

- GUF/GUM/UNF/UNY 1/2", 3/4", & 1"
  Class I, Div. 1 & 2, Groups A,B,C,D
  Class I, Zone I, IIC, IIB, IIA
  Class I, Zone 1, Groups IIC, IIB, IIA
  Class II, Div. 1 & 2, Groups E,F,G
  Class III
- GUF/GUM/UNF/UNY 1-1/4" through 4"
  Class I, Div. 1 & 2, Groups C,D
  Class I, Zone I, IIB, IIA
  Class I, Zone 1, Groups IIB, IIA
  Class II, Div. 1 & 2, Groups E,F,G
  Class III

Ⓤ Listed File No. E 10514

Ⓢ Certified File No. LR11716

FEATURES-SPECIFICATIONS

Applications

- UNY and UNF unions are used to connect two pieces of conduit or attach conduit to junction boxes, fittings, or devices
- Permits removal of equipment without turning or removal of conduit

Features

- Threaded for rigid conduit or IMC
- Tapered threads (NPT)
- Strong and durable construction

Material/Finish

Aluminum — 1/2"- 4"

- Natural Finish

Iron — 1-1/4"- 4"

Steel — 1/2", 3/4", 1"

- Zinc electro-plate

Third-Party Standards

- UL Standard 886
- CSA Standard C22.2 No. 30

FEMALE TO FEMALE

CATALOG NUMBER		HUB SIZE	DIMENSIONS	
KILLARK ALUM.	DURALOY IRON		A DIAMETER	B LENGTH
GUF-1①	UNF1①	1/2"	1-1/2"(38)	1-7/8"(48)
GUF-2①	UNF2①	3/4"	1-3/4"(44)	1-15/16"(49)
GUF-3①	UNF3①	1"	2"(51)	2-7/16"(62)
GUF-3	UNF4	1-1/4"	2-3/8"(60)	2-1/2"(63)
GUF-5	UNF5	1-1/2"	2-5/8"(67)	2-1/2"(63)
GUF-6	UNF6	2"	3-1/4"(82)	2-5/8"(67)
GUF-7	UNF7	2-1/2"	4-1/2"(114)	3-3/32"(78)
GUF-8	UNF8	3"	5-3/8"(136)	3-1/16"(78)
GUF-9	UNF9	3-1/2"	6-1/4"(159)	3-9/16"(90)
GUF-0	UNF0	4"	6-1/4"(159)	3-9/16"(90)

MALE TO FEMALE

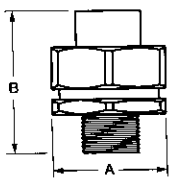
GUM-1①	UNY1①	1/2"	1-1/2"(38)	2-3/16"(55)
GUM-2①	UNY2①	3/4"	1-3/4"(44)	2-3/8"(60)
GUM-3①	UNY3①	1"	2"(51)	2-3/4"(70)
GUM-4	UNY4	1-1/4"	2-3/8"(60)	2-15/16"(75)
GUM-5	UNY5	1/2"	2-5/8"(67)	2-15/16"(75)
GUM-6	UNY6	2"	3-1/4"(82)	3-1/4"(82)
GUM-7	UNY7	2-1/2"	4-1/2"(114)	4-9/32"(109)
GUM-8	UNY8	3"	5-3/8"(136)	4-1/4"(108)
GUM-9	UNY9	3-1/2"	6-1/4"(159)	4-1/2"(114)
GUM-0	UNY0	4"	6-1/4"(159)	4-1/2"(114)

90° ANGLE UNION

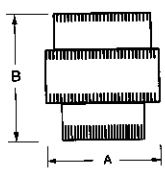
CATALOG NUMBER		HUB SIZE	DIMENSIONS		
KILLARK ALUM.	DURALOY IRON		A	B	C
GUML-1	GUML-1M	1/2"	2-1/2"(64)	1-1/2"(38)	1-3/4"(44)
GUML-2	GUML-2M	3/4"	2"(51)	1-1/2"(38)	5/8"(16)

① UL & CSA suitable for Class I, Groups A, B, C, D.

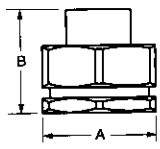
Dimensions



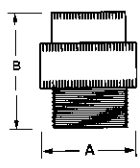
UNY



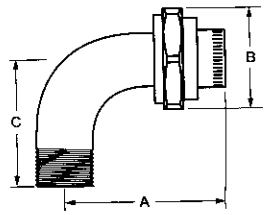
GUF



UNF



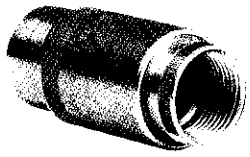
GUM



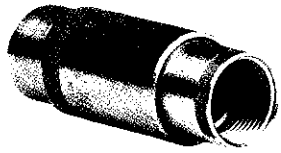
GUML

HUBBELL®
KILLARK®

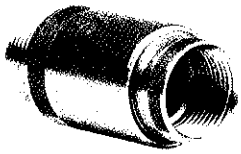
UNF/UNY SERIES • FITTINGS
EXPANSION CONDUIT UNIONS



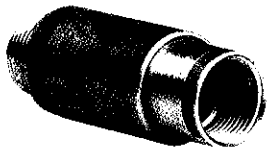
UNFS Type Female/Female



UNFL Type Female/Female



UNYS Type Male/Female



UNYL Type Male/Female

Class I, Div. 1 & 2, Groups C,D
Class I, Zone 1, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

UL Standard 886
CSA Standard C22.2 No. 30
Mil Spec: MIL-F28675

Listed File No. E 10514
Certified File No. LR11716

FEATURES-SPECIFICATIONS

UNFS & UNYS — Standard Length
UNFL & UNYL — Long Length

Application

- To provide for slight expansion and contraction of conduit runs
- To retrofit sections of conduit runs

Features

- Tapered threaded hubs (NPT) for rigid conduit and IMC
- Telescoping components allows conduit to be inserted between fixed threaded hubs
- Internal copper alloy grounding spring assures positive grounding
- Close tolerance of mating parts eliminates passage of flame
- Compact diameter allows use where conduit is closely spaced
- Available in standard and long style, male and female version

Material/Finish

Body/Sleeve — Steel/Zinc Electroplate

Grounding Spring — Beryllium Copper/Natural Finish

FEMALE – SHORT

CATALOG NUMBER	HUB SIZE	DIMENSIONS		
		MAXIMUM LENGTH A	MINIMUM LENGTH B	DIAMETER C
UNFS1	1/2"	3.34 (85)	2.84 (72)	1.19 (30)
UNFS2	3/4"	3.53 (90)	2.97 (75)	1.44 (37)
UNFS3	1"	3.69 (94)	3.08 (78)	1.69 (43)

FEMALE – LONG

CATALOG NUMBER	HUB SIZE	DIMENSIONS		
		MAXIMUM LENGTH A	MINIMUM LENGTH B	DIAMETER C
UNFL1	1/2"	4.34 (110)	3.34 (85)	1.19 (30)
UNFL2	3/4"	4.53 (115)	3.47 (88)	1.44 (37)
UNFL3	1"	4.69 (119)	4.58 (116)	1.69 (43)

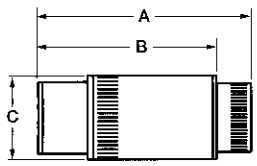
MALE – SHORT

CATALOG NUMBER	HUB SIZE	DIMENSIONS		
		MAXIMUM LENGTH A	MINIMUM LENGTH B	DIAMETER C
UNYS1	1/2"	3.30 (84)	2.80 (71)	1.19 (30)
UNYS2	3/4"	3.41 (87)	2.85 (72)	1.44 (37)
UNYS3	1"	3.57 (91)	2.97 (75)	1.69 (43)

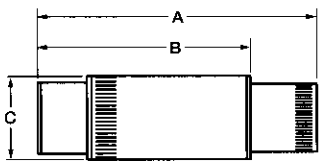
MALE – LONG

CATALOG NUMBER	HUB SIZE	DIMENSIONS		
		MAXIMUM LENGTH A	MINIMUM LENGTH B	DIAMETER C
UNYL1	1/2"	4.30 (109)	3.30 (84)	1.19 (30)
UNYL2	3/4"	4.41 (112)	3.35 (85)	1.44 (37)
UNYL3	1"	4.57 (117)	3.47 (88)	1.69 (43)

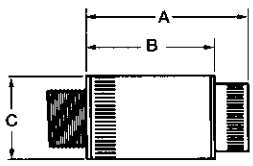
Dimensions



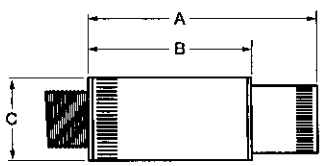
UNFS



UNFL



UNYS



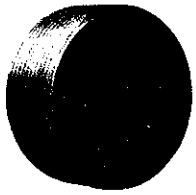
UNYL

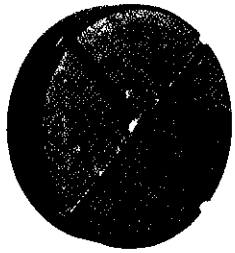
HUBBELL
KILLARK

CUP-250

CUP-375

CUP-3


CUP-6


CUP-0

- CUP/CUPX/PLUG 1, 2, & 3, PLUG 1, 2, & 3-SQ
  Class I Groups A,B,C,D
  Class I, Zone 1, Groups IIC, IIB, IA
  Class II Groups E,F,G
- CUP/CUPX/PLUG 1 1/4" through 4"
  Class I, Groups C,D
  Class I, Zone 1, Groups IIB, IIA
  Class II Groups E,F,G

UL Standard: 886
CSA Standard: C22.2 No. 30

Listed File No. E 10514
Certified File No. LR11716

FEATURES-SPECIFICATIONS

Application
- To close up a taped hole or hub

Features
- Threaded hubs (NPT)

Material/Finish
Copper-free Aluminum — 1/4"- 4" (less than 4/10 of 1%)
- Natural Finish

Steel — 1/2"- 1"
- Zinc Plated

Iron — 1-1/4"- 4"
- Zinc Plated

RECESSED PLUG

CATALOG NUMBER		HUB SIZE
KILLARK ALUMINUM	STEEL/IRON	
CUP-375	—	3/8"
CUP-1	PLUG1	1/2"
CUP-2	PLUG2	3/4"
CUP-3	PLUG3	1"
CUP-4	PLUG4	1-1/4"
CUP-5	PLUG5	1-1/2"
CUP-6	PLUG6	2"
CUP-7	PLUG7	2-1/2"
CUP-8	PLUG8	3"
CUP-9	PLUG9	3-1/2"
CUP-0	PLUG10	4"

SQUARE HEAD PLUG

CATALOG NUMBER		HUB SIZE
KILLARK ALUMINUM	STEEL/IRON	
CUP-250	—	1/4"
CUPX-1	PLUG1-SQ	1/2"
CUPX-2	PLUG2-SQ	3/4"
CUPX-3	PLUG3-SQ	1"
CUPX-4	PLUG4-SQ	1-1/4"
CUPX-5	PLUG5-SQ	1-1/2"
CUPX-6	PLUG6-SQ	2"
CUPX-7	PLUG7-SQ	2-1/2"
CUPX-8	PLUG8-SQ	3"
CUPX-9	PLUG9-SQ	3-1/2"
CUPX-0	PLUG10-SQ	4"

AN-3B

AN-5

AN-6

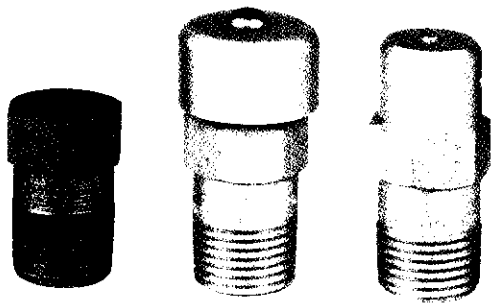
AN
Applications
- To connect threaded on IMC conduit to cast hubs on drilled and tapped conduit openings

Features
- Tapered threads (NPT)

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)

RIGID CONDUIT NIPPLES

CATALOG NUMBER						CONDUIT SIZE
CLOSE	BODY LENGTH	1-1/2" LONG	BODY LENGTH	2" LONG	BODY LENGTH	
AN-1	1-1/8"	AN-1A	1-1/2"	AN-1B	2"	1/2"
AN-2	1-3/8"	—	—	AN-2B	2"	3/4"
AN-3	1-1/2"	—	—	AN-3B	2"	1"
AN-4	1-5/8"	—	—	—	—	1-1/4"
AN-5	1-3/4"	—	—	—	—	1-1/2"
AN-6	2"	—	—	—	—	2"
AN-7	2-1/2"	—	—	—	—	2-1/2"
AN-8	2-5/8"	—	—	—	—	3"
AN-9	2-3/4"	—	—	—	—	3-1/2"
AN-10	2-7/8"	—	—	—	—	4"
AN-11	3"	—	—	—	—	5"
AN-12	3-1/8"	—	—	—	—	6"



KDB-1 KB1B KB1D

Class I, Div. 1 & 2, Groups C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III

Listed - File E10514
Certified - File LR11716
File 25215
See files for details or call Killark.

FEATURES-SPECIFICATIONS

KDB/KB

Applications

- When installed in the top of an enclosure, these fittings act as breathers
- Bottom installations permit water to drain from the enclosure continuously
- All drains and breathers are designed for use in 1/2" hubs or 1/2" drilled and tapped conduit openings
- KDB-1 can be used as a drain or breather

Features

- Tapered threads (NPT)

Material/Finish
Stainless Steel

DRAINS AND BREATHERS		
CATALOG NUMBER	DESCRIPTION	SUITABILITIES
KDB-1①	Drain or Breather	CLASS I Div. 1 & 2, Groups C, D CLASS II Div. 1 & 2, Groups E, F, G CLASS III
KB1B②	Breather (Group B)	CLASS I Div. 1 & 2, Groups B, C, D CLASS II Div. 1 & 2, Groups E, F, G CLASS III
KB1D②	Drain (Group B)	CLASS I Div. 1 & 2, Groups B, C, D CLASS II Div. 1 & 2, Groups E, F, G CLASS III

①UL Listed and CSA Certified
②UL Listed only

KSBF

Applications

- When installed in the top of an enclosure, these fittings act as breathers
- Bottom installations permit water to drain from the enclosure continuously
- KSBF breathers and drains are designed for punched M25 entries in standard location or Ex e sheet metal or non-metallic enclosures

Features

- M25 x 1.5 metric threads
- Includes notched locknut

Material/Finish

- Polyamide
- Green in color

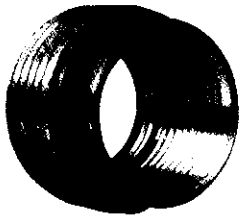
KSBF

EEx e II
Ex e II

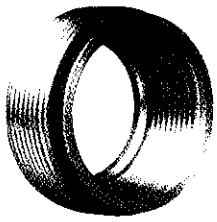
PTB Ex-95.D.3148U
Call for details

NON-METALLIC DRAINS AND BREATHERS—EEx e II, IP54 RATED	
CATALOG NUMBER (INCLUDES LOCKNUT)	THREAD SIZE
KSBF-M25	M25 x 1.5

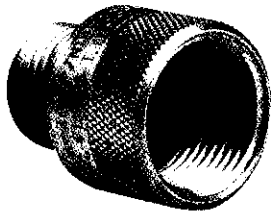
HUBBELL
KILLARK®



1" – 3/4"



2" – 1-1/2"



ADUP

- R-10 through R-65
- RE21S through RE65S
  Class I, Div. 1 & 2, Groups A,B,C,D
  Class I, Zone 1, Groups IIC, IIB, IIA
  Class II, Div. 1 & 2, Groups E,F,G
- R-73 through R-109
  Class I, Div. 1 & 2, Groups A,B,C,D
  Class I, Zone 1, Groups IIC, IIB, IIA
  Class II, Div. 1 & 2, Groups E,F,G

UL Standard: 886
CSA Standard: C22.2 No. 30

Listed File No. E 10514
Certified File No. LR11716

FEATURES-SPECIFICATIONS

Application
- To reduce the trade size of a taped hole or hub.

Features
- Tapered threads (NPT)
- Smooth internal bushing protects conductors
- Threaded for Rigid Conduit or IMC

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)
(R-10 through R-109)

Natural Finish

Steel/Zinc Plated
(RE21S through RE65S)

Note: For additional Reducers, Adapters, or Thread Converters contact factory. (Eg. Metric to NPT or NPT to Metric.)

REDUCING BUSHINGS

CATALOG NUMBER		HUB SIZE	DIMENSIONS
KILLARK ALUM.	STEEL		BODY LENGTH
R-10	RE10S	1/2" — 3/8"	5/8"(16)
R-20	RE20S	3/4" — 3/8"	7/8"(22)
R-21	RE21S	3/4" — 1/2"	23/32"(18)
R-30	RE30S	1" — 3/8"	7/8"(22)
R-31	RE31S	1" — 1/2"	23/32"(18)
R-32	RE32S	1" — 3/4"	23/32"(18)
R-41	RE41S	1-1/4" — 1/2"	13/16"(21)
R-42	RE42S	1-1/4" — 3/4"	13/16"(21)
R-43	RE43S	1-1/4" — 1"	13/16"(21)
R-51	RE51S	1-1/2" — 1/2"	13/16"(21)
R-52	RE52S	1-1/2" — 3/4"	13/16"(21)
R-53	RE53S	1-1/2" — 1"	13/16"(21)
R-54	RE54S	1-1/2" — 1-1/4"	13/16"(21)
R-61	RE61S	2" — 1/2"	7/8"(22)
R-62	RE62S	2" — 3/4"	7/8"(22)
R-63	RE63S	2" — 1"	7/8"(22)
R-64	RE64S	2" — 1-1/4"	7/8"(22)
R-65	RE65S	2" — 1-1/2"	7/8"(22)
R-73	—	2-1/2" — 1"	1"(25)
R-75	—	2-1/2" — 1-1/2"	1"(25)
R-76	—	2-1/2" — 2"	1"(25)
R-85	—	3" — 1-1/2"	1-1/4"(32)
R-86	—	3" — 2"	1-1/4"(32)
R-87	—	3" — 2-1/2"	1-1/4"(32)
R-97	—	3-1/2" — 2-1/2"	1-3/8"(35)
R-98	—	3-1/2" — 3"	1-3/8"(35)
R-106	—	4" — 2"	1-1/2"(38)
R-107	—	4" — 2-1/2"	1-1/2"(38)
R-108	—	4" — 3"	1-1/2"(38)
R-109	—	4" — 3-1/2"	1-1/2"(38)

Material/Finish
Copper-free Aluminum
(less than 4/10 of 1%)

Natural Finish

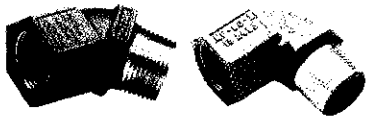
ADUP ADAPTERS

CATALOG NUMBER①	DESCRIPTION
ADUP-01	MALE 3/8 FEMALE 1/2
ADUP-12	MALE 1/2 FEMALE 3/4

① *Series ADUP suitable for Class I, Groups A,B,C,D*

HUBBELL
KILLARK®

FF
Female/Female



MF
Male/Female

GUFS

MM
Male/Male

BL
Male/Female

Y

EYMF

Class I, Div. 1 & 2, Groups C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III

Listed - File E10514
Certified - File LR11716
File 25215
APPROVED See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Elbows: To change direction in rigid or IMC conduit systems
- Capped Elbows: To change direction 90° in rigid or IMC conduit systems where space is limited and access is needed for pulling conductors or maintenance
- Swivel Elbows: Allows conduit to be joined at angles ranging between 90° to 180°. A screwdriver is the only tool needed
- 90° Plugged Elbows: To change direction 90° in rigid or IMC conduit systems where space is limited and access is needed for pulling conductors or maintenance

Features

- Threaded for rigid conduit or IMC
- Smooth integral bushings to prevent damage to wires

Material/Finish

Copper-free Aluminum
(less than 4/10 of 1%)

- Electrostatically applied powder coating

Iron Zinc electro-plate

ELBOWS

CATALOG NUMBER		HUB SIZE	TYPE	A	B	C	D
ALUMINUM	IRON						
FF-90-1①	FF-90-1M③	1/2"	FF	2"	2"	1-3/8"	1-3/8"
FF-90-2①	FF-90-2M③	3/4"	90°	2-1/4"	2-1/4"	1-1/2"	1-1/2"
FF-90-3①	FF-90-3M③	1"		2-15/16"	2-15/16"	2"	2"
FF-45-1①	FF-45-1M③	1/2"		2-3/8"	2"	1-1/8"	—
FF-45-2①	FF-45-2M③	3/4"	FF	2-11/16"	2-3/16"	1-1/4"	—
FF-45-3①	FF-45-3M③	1"	45°	3-3/8"	2-11/16"	1-5/8"	—
FF-45-6①	FF-45-6M③	2"		4-3/4"	3-7/8"	2-1/4"	—
MF-90-1①	MF-90-1M③	1/2"	MF	11/16"	2"	1-3/8"	1-3/8"
MF-90-2①	MF-90-2M③	3/4"	90°	7/8"	2-7/16"	1-1/2"	1-11/16"
MF-45-1①	MF-45-1M③	1/2"	MF	2-1/8"	1-3/4"	1-1/8"	3/4"
MF-45-2①	MF-45-2M③	3/4"	45°	2-3/8"	1-7/8"	1-9/32"	3/4"
MM-90-1①	MM-90-1M③	1/2"	MM	2-1/16"	2-1/16"	1-3/8"	1-3/8"
MM-90-2①	MM-90-2M③	3/4"	90°	2-1/4"	2-1/4"	1-1/2"	1-1/2"
BL-90-1①	BL-90-1M③	1/2"	BL	2-1/4"	2-3/8"	1-7/8"	1-3/4"
BL-90-2①	BL-90-2M③	3/4"	90°	2-5/8"	3"	2-1/8"	2-1/4"
BL-90-3①	BL-90-3M③	1"		2-1/4"	3-7/16"	2-5/8"	2-1/2"

CAPPED ELBOWS

CATALOG NUMBER		HUB SIZE	TYPE	A	B	C	D
ALUMINUM	IRON						
Y-1①	Y-1M④	1/2"	90°	2-7/8"	2-3/4"	1-7/8"	—
Y-2①	Y-2M④	3/4"	90°	3-1/16"	3-3/4"	2-1/8"	—
Y-3①	Y-3M④	1"	90°	4"	3-1/4"	2-5/8"	—
Y-4①	Y-4M④	1-1/4"	90°	5-1/16"	4-1/8"	3-7/8"	—
Y-5①	Y-5M④	1-1/2"	90°	5-1/16"	4-1/4"	3-7/8"	—

SWIVEL ELBOWS

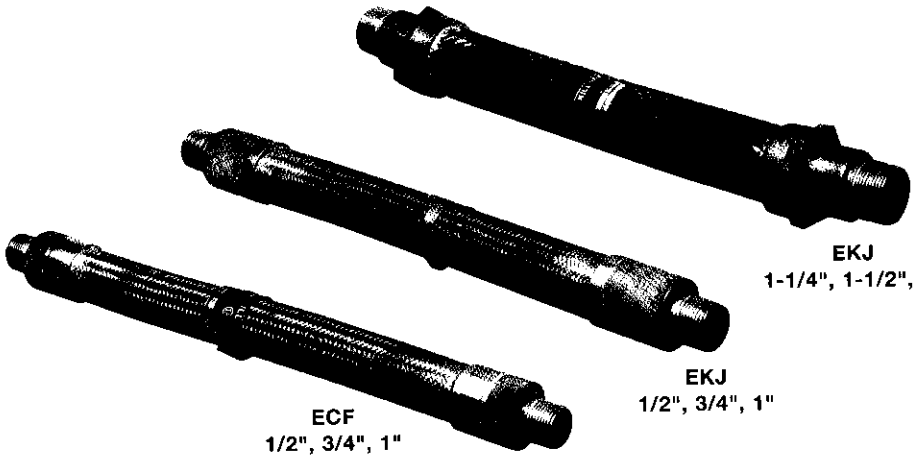
CATALOG NUMBER		HUB SIZE	TYPE	A	B	C	D
ALUMINUM	IRON						
GUFS-1②	GUFS-1M③	1/2"	180°	4-1/2"	2-1/4"	—	—
GUFS-2②	GUFS-2M③	3/4"	180°	4-1/2"	2-1/4"	—	—
GUMFS-1②	GUMFS-1M③	1/2"	180°	5-1/8"	2-1/4"	—	—
GUMFS-2②	GUMFS-2M③	3/4"	180°	5-1/4"	2-1/4"	—	—

90° PLUGGED ELBOWS

CATALOG NUMBER⑤		HUB SIZE	TYPE	A	B	C	D
ALUMINUM	IRON						
EYMF-1③	—	1/2"	90°	2-5/8"	2-5/8"	1-3/8"	1-3/8"
EYMF-2②	—	3/4"	90°	2-3/4"	2-3/4"	1-1/2"	1-1/2"

① *Copper-free aluminum - Electrostatically applied powder coating*
② *Aluminum - Natural finish*
③ *Iron - Zinc electroplate*
④ *Iron - Duraloy finish*
⑤ *Furnished with 1" close-up plug in top.*

HUBBELL
KILLARK



EKJ
1-1/4", 1-1/2", 2"

EKJ
1/2", 3/4", 1"

ECF
1/2", 3/4", 1"

Class I, Div. 1 & 2, Groups A,B,C,D
Class I, Zone 1, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
Raintight

Listed - File E10514

Certified - File LR11716
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications
For use in hazardous areas where movement or vibration requires a flexible connection or a difficult bend is required in a conduit system.

Features
- Bronze flexible metal construction
- An inner liner of asphaltum impregnated jute fibre tubing to protect conductors
- Female ends with zinc plated steel nipples standard on all couplings
- Union type couplings may be assembled by adding a GUF Series union to the nipple
- Special lengths available-consult factory
- All 1/2", 3/4" & 1" EKJ couplings are furnished with a setscrew (for use as a fixture hanging coupling)

ECF & EKJ 1/2" and 3/4" couplings suitable for Class I, Groups A,B,C,D Class I, Zone 1, Groups IIC, IIB, IIA
EKJ 1" thru 2" and ECF 1" couplings suitable for Class I, Groups C,D. Class I, Zone 1, Groups IIB, IIA
All ECF and EKJ are suitable for Class II and III.

ECF/EKJ FLEXIBLE COUPLINGS

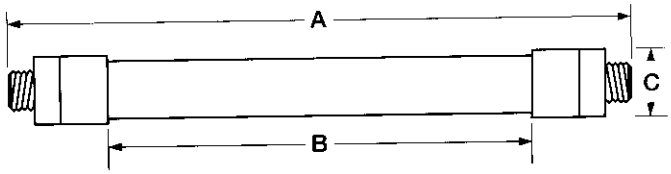
CATALOG NUMBER		DESCRIPTION			
ECF SERIES	EKJ SERIES	CONDUIT SIZE	A OVERALL LENGTH	B FLEX. LENGTH	C DIA.
ECF-14	EKJ-14	1/2"	8-13/16"	4"	1-5/16"
ECF-16	EKJ-16	1/2"	10-13/16"	6"	1-5/16"
ECF-18	EKJ-18	1/2"	12-13/16"	8"	1-5/16"
ECF-110	EKJ-110	1/2"	14-13/16"	10"	1-5/16"
ECF-112	EKJ-112	1/2"	16-13/16"	12"	1-5/16"
ECF-115	EKJ-115	1/2"	19-13/16"	15"	1-5/16"
ECF-118	EKJ-118	1/2"	22-13/16"	18"	1-5/16"
ECF-121	—	1/2"	25-13/16"	21"	1-5/16"
ECF-124	—	1/2"	28-13/16"	24"	1-5/16"
ECF-130	—	1/2"	34-13/16"	30"	1-5/16"
ECF-136	—	1/2"	40-13/16"	36"	1-5/16"
ECF-24	EKJ-24	3/4"	8-3/4"	4"	1-5/8"
ECF-26	EKJ-26	3/4"	10-3/4"	6"	1-5/8"
ECF-28	EKJ-28	3/4"	12-3/4"	8"	1-5/8"
ECF-210	EKJ-210	3/4"	14-3/4"	10"	1-5/8"
ECF-212	EKJ-212	3/4"	16-3/4"	12"	1-5/8"
ECF-215	EKJ-215	3/4"	19-3/4"	15"	1-5/8"
ECF-218	EKJ-218	3/4"	22-3/4"	18"	1-5/8"
ECF-221	—	3/4"	25-3/4"	21"	1-5/8"
ECF-224	—	3/4"	28-3/4"	24"	1-5/8"
ECF-230	—	3/4"	34-3/4"	30"	1-5/8"
ECF-236	—	3/4"	40-3/4"	36"	1-5/8"
ECF-36	EKJ-36	1"	11-3/4"	6"	1-15/16"
ECF-38	EKJ-38	1"	13-3/4"	8"	1-15/16"
ECF-310	EKJ-310	1"	15-3/4"	10"	1-15/16"
ECF-312	EKJ-312	1"	17-3/4"	12"	1-15/16"
ECF-315	EKJ-315	1"	20-3/4"	15"	1-15/16"
ECF-318	EKJ-318	1"	23-3/4"	18"	1-15/16"
ECF-321	EKJ-321	1"	26-3/4"	21"	1-15/16"
ECF-324	EKJ-324	1"	29-3/4"	24"	1-15/16"
ECF-330	EKJ-330	1"	35-3/4"	30"	1-15/16"
ECF-336	EKJ-336	1"	41-3/4"	36"	1-15/16"

ECF/EKJ FLEXIBLE COUPLINGS

CAT. NO.	DESCRIPTION			
EKJ SERIES	CONDUIT SIZE	A OVERALL LENGTH	B FLEX. LENGTH	C DIA.
EKJ-412	1-1/4"	18-5/8"	12"	2-15/16"
EKJ-415	1-1/4"	21-5/8"	15"	2-15/16"
EKJ-418	1-1/4"	24-5/8"	18"	2-15/16"
EKJ-421	1-1/4"	27-5/8"	21"	2-15/16"
EKJ-424	1-1/4"	30-5/8"	24"	2-15/16"
EKJ-430	1-1/4"	36-5/8"	30"	2-15/16"
EKJ-436	1-1/4"	42-5/8"	36"	2-15/16"
EKJ-512	1-1/2"	10-15/16"	12"	3-21/32"
EKJ-515	1-1/2"	21-15/16"	15"	3-21/32"
EKJ-518	1-1/2"	24-15/16"	18"	3-21/32"
EKJ-521	1-1/2"	27-15/16"	21"	3-21/32"
EKJ-524	1-1/2"	30-15/16"	24"	3-21/32"
EKJ-530	1-1/2"	36-15/16"	30"	3-21/32"
EKJ-536	1-1/2"	42-15/16"	36"	3-21/32"
EKJ-612	2"	19-5/16"	12"	4-9/64"
EKJ-615	2"	22-5/16"	15"	4-9/64"
EKJ-618	2"	25-5/16"	18"	4-9/64"
EKJ-624	2"	31-5/16"	24"	4-9/64"
EKJ-630	2"	37-5/16"	30"	4-9/64"
EKJ-636	2"	43-5/16"	36"	4-9/64"

MINIMUM BEND RADIUS

SERIES	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
ECF	10"	12"	14"	–	–	–
EKJ	10"	12"	14"	14"	16"	18"



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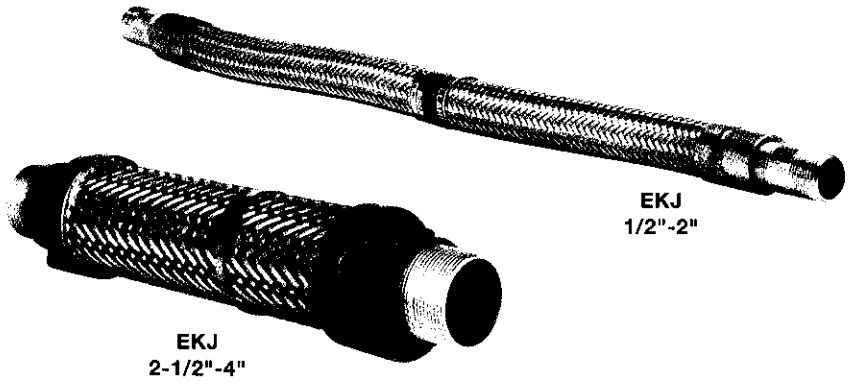
EKJ SERIES • FITTINGS
STAINLESS STEEL FLEXIBLE COUPLINGS



EKJ
1/2"-2"

EKJ
2-1/2"-4"

Class I, Div. 1 & 2, Groups C, D ①
Class I, Zone 1, Groups IIB, IIA ①
Class II, Div. 1 & 2, Groups E, F, G
Class III

FM APPROVED File JIOE3H1.AE

CSP Certified - File LR11716

① See files for details or call Killark.

FEATURES-SPECIFICATIONS

Features

- Available in custom lengths. See catalog logic to order
- Stainless steel wirebraid construction
- Annular corrugated seamless hose
- Cast in ribs for easy installation
- Furnished with two aluminum nipples

Catalog Number Logic

Sizes 1/2" Thru 2"

EKJ **2** **12** **SS**

Series — EKJ

Trade Size — 2
1/2" — **1** 1-1/4" — **4**
3/4" — **2** 1-1/2" — **5**
1" — **3** 2" — **6**

Braid Length — 12
(Specify in whole inches)
examples 12" — **12**
24" — **24**

Stainless Steel — SS

Ordering Example - EKJ-212SS
(3/4" trade size, 12" length)

Sizes 2-1/2" Thru 4"

EKJ **S** **10** **24**

Series — EKJ

Stainless Steel — S

Trade Size — 10
2-1/2" — **7**
3" — **8**
4" — **10**

Braid Length — 24
(Specify in whole inches)
examples 12" — **12**
24" — **24**

*Ordering Example - **EKJS-1024***
(4" trade size, 24" length)

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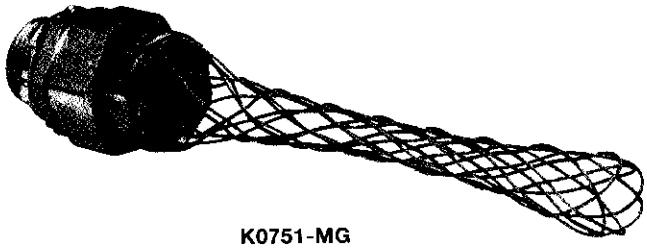
K2001



K0751-MG

Listed - File E22699

Certified - File LR70873

See files for details or call Killark.

FEATURES-SPECIFICATIONS

LIQUIDTIGHT®

Applications

Use with metallic and non-metallic conduit to seal out water, oil and dust in applications for food processors, beverage & chemical plants, plastics fabricators, machine shops, etc.

Liquidtight connectors are also suitable for use in hazardous locations per National Electrical Code (Articles 501-4(b), 502-4(a&b), 503-3(a&b). Consult these articles for sealing requirements that may apply.

Liquidtight mesh grips provide a liquidtight seal and enhanced strain relief in flexible liquidtight conduit applications.

Features

- Split nylon gland ring – split for easy installation and greater compression
- Digging locknut
- Sealing 'O'-rings included
- Reusable

Materials/Finish

- Steel/malleable iron
- Zinc electro-plated

Mesh Grips

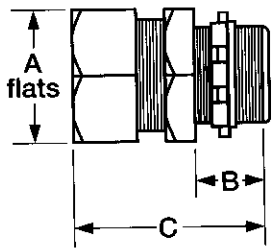
- Stainless steel mesh grips are corrosion resistant and prevent conduit pull-out in high stress installations

K LIQUIDTIGHT CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CONNECTOR STYLE	DIMENSIONS		
			A	B	C
K038	3/8"	Straight non-insulated	1-7/16"	19/32"	1-1/16"
K050	1/2"	Straight non-insulated	1-7/16"	19/32"	1-13/16"
K075	3/4"	Straight non-insulated	1-9/16"	19/32"	1-3/8"
K100	1"	Straight non-insulated	1-11/16"	21/32"	1-11/16"
K125	1-1/4"	Straight non-insulated	2-1/32"	11/16"	2-1/16"
K150	1-1/2"	Straight non-insulated	2-7/32"	11/16"	2-3/8"
K200	2"	Straight non-insulated	2-9/32"	23/32"	2-7/8"
K250	2-1/2"	Straight non-insulated	3-1/2"	1"	3-5/8"
K300	3"	Straight non-insulated	3-3/4"	1"	4-5/16"
K350	3-1/2"	Straight non-insulated	3-3/4"	1"	4-3/4"
K400	4"	Straight non-insulated	3-3/4"	1"	5-5/16"
K0381*	3/8"	Straight insulated	1-7/16"	21/32"	1-1/16"
K0501*	1/2"	Straight insulated	1-7/16"	21/32"	1-3/16"
K0751*	3/4"	Straight insulated	1-5/8"	21/32"	1-3/8"
K1001*	1"	Straight insulated	1-3/4"	23/32"	1-11/16"
K1251*	1-1/4"	Straight insulated	2-3/32"	3/4"	2-1/16"
K1501*	1-1/2"	Straight insulated	2-9/32"	3/4"	2-3/8"
K2001*	2"	Straight insulated	2-11/32"	25/32"	2-7/8"
K2501*	2-1/2"	Straight insulated	3-1/2"	1"	3-5/8"
K3001*	3"	Straight insulated	3-3/4"	1"	4-5/16"
K3501*	3-1/2"	Straight insulated	3-3/4"	1"	4-3/4"
K4001*	4"	Straight insulated	3-3/4"	1"	5-5/16"

*For mesh grip, add **- MG** to Catalog Number. Example **K0381-MG**.*

Dimensions



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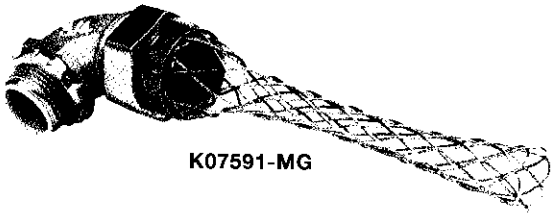
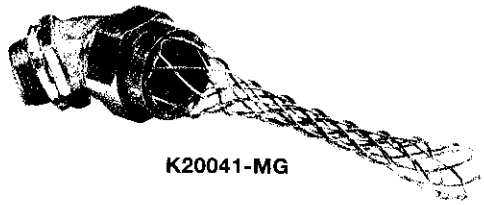
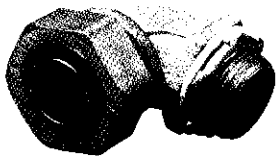


K07591-MG



K20041-MG



K0759
90° Non-Insulated

K07591
90° Insulated

K2004
45° Non-Insulated

K20041
45° Insulated

FEATURES-SPECIFICATIONS

LIQUIDTIGHT®

Applications

Use with metallic and non-metallic conduit to seal out water, oil and dust in applications for food processors, beverage & chemical plants, plastics fabricators, machine shops, etc.

Liquidtight connectors are also suitable for use in hazardous locations per National Electrical Code (Articles 501-4(b), 502-4(a&b), 503-3(a&b). Consult these articles for sealing requirements that may apply.

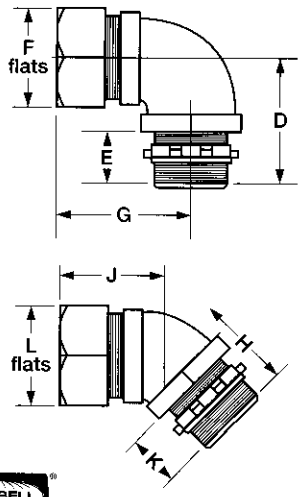
Features

- Split nylon gland ring – split for easy installation and greater compression
- Digging locknut
- Sealing 'O'-rings included
- Reusable

Materials/Finish

- Steel/malleable iron
- Zinc electro-plated

Dimensions



K LIQUIDTIGHT CONNECTORS — 90° BEND

CATALOG NUMBER	NPT SIZE	CONNECTOR STYLE	DIMENSIONS			
			D	E	F	G
K0389	3/8"	90° non-insulated	1-1/2"	5/8"	1"	1-3/4"
K0509	1/2"	90° non-insulated	1-1/2"	5/8"	1-1/8"	1-3/4"
K0759	3/4"	90° non-insulated	1-19/32"	5/8"	1-3/8"	1-15/16"
K1009	1"	90° non-insulated	1-3/16"	5/8"	1-5/8"	2-3/16"
K1259	1-1/4"	90° non-insulated	2"	11/16"	2-1/16"	2-9/16"
K1509	1-1/2"	90° non-insulated	2-3/16"	11/16"	2-3/8"	3"
K2009	2"	90° non-insulated	2-17/32"	23/32"	2-7/8"	3-5/8"
K2509	2-1/2"	90° non-insulated	3-3/8"	1"	3-5/8"	4-1/4"
K3009	3"	90° non-insulated	3-11/16"	1"	4-5/16"	4-7/8"
K4009	4"	90° non-insulated	4-3/16"	1"	5-5/16"	5-5/8"
K03891*	3/8"	90° Insulated	1-9/16"	11/16"	1"	1-3/4"
K05091*	1/2"	90° Insulated	1-9/16"	11/16"	1-1/8"	1-3/4"
K07591*	3/4"	90° Insulated	1-21/32"	11/16"	1-3/8"	1-15/16"
K10091*	1"	90° Insulated	1-7/8"	11/16"	1-5/8"	2-3/16"
K12591*	1-1/4"	90° Insulated	2-1/16"	3/4"	2-1/16"	2-9/16"
K15091*	1-1/2"	90° Insulated	2-1/4"	3/4"	2-3/8"	3"
K20091*	2"	90° Insulated	2-19/32"	25/32"	2-7/8"	3-5/8"
K25091*	2-1/2"	90° Insulated	3-3/8"	1"	3-5/8"	4-1/4"
K30091*	3"	90° Insulated	3-11/16"	1"	4-5/16"	4-7/8"
K40091*	4"	90° Insulated	4-3/16"	1"	5-5/16"	5-5/8"

K LIQUIDTIGHT CONNECTORS — 45° BEND

CATALOG NUMBER	NPT SIZE	CONNECTOR STYLE	DIMENSIONS			
			H	J	K	L
K0384	3/8"	45° non-insulated	1-5/32"	1-9/32"	19/32"	1"
K0504	1/2"	45° non-insulated	1-5/32"	1-9/32"	19/32"	1-1/8"
K0754	3/4"	45° non-insulated	1-11/64"	1-7/16"	19/32"	1-3/8"
K1004	1"	45° non-insulated	1-13/32"	1-23/32"	21/32"	1-5/8"
K1254	1-1/4"	45° non-insulated	1-27/64"	2-1/32"	5/8"	2-1/16"
K1504	1-1/2"	45° non-insulated	1-21/32"	1-15/16"	21/32"	2-3/8"
K2004	2"	45° non-insulated	1-11/16"	2-7/16"	21/32"	2-7/8"
K03841*	3/8"	45° Insulated	1-7/32"	1-9/32"	21/32"	1"
K05041*	1/2"	45° Insulated	1-7/32"	1-9/32"	21/32"	1-1/8"
K07541*	3/4"	45° Insulated	1-15/64"	1-7/16"	21/32"	1-3/8"
K10041*	1"	45° Insulated	1-15/32"	1-23/32"	23/32"	1-5/8"
K12541*	1-1/4"	45° Insulated	1-31/64"	2-1/32"	11/16"	2-1/16"
K15041*	1-1/2"	45° Insulated	1-23/32"	1-15/16"	23/32"	2-3/8"
K20041*	2"	45° Insulated	1-3/4"	2-7/16"	23/32"	2-7/8"

*For mesh grip, add **-MG** to Catalog Number. Example **K03891-MG.***

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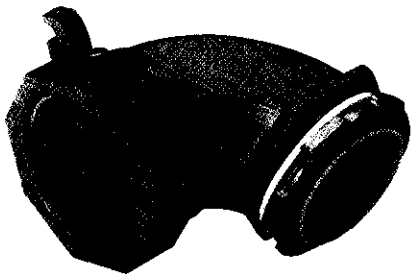
Straight



90°

45°

Listed - File E152165, E22699

Certified - File LR70873

See files for details or call Killark.

FEATURES-SPECIFICATIONS

LIQUIDTIGHT®

K Grounding style Application & Installation

Liquidtight Connectors with grounding lug are for use where an external, visible equipment bonding jumper is desired and where permitted by the National Electrical Code. The Code specifies length limitations and that the bonding jumper must be parallel to the conduit itself.

Features

- Lay-in grounding lug
- Fittings are plated steel for excellent durability
- Insulated throat fittings protect conductors from insulation damage

Materials/Finish

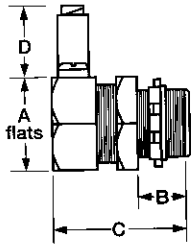
- Steel/malleable iron
- Zinc electro-plated

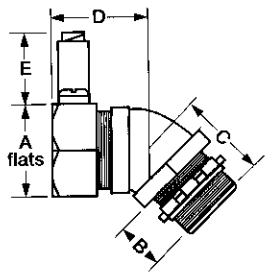
K LIQUIDTIGHT GROUNDING STYLE & MESH GRIPS

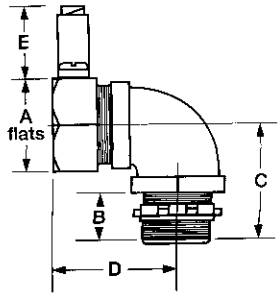
CATALOG NUMBER CONNECTOR ONLY	NPT SIZE	DESC.	DIMENSIONS A	B	C	D	E
K0381-G	3/8"	Straight Insulated	1-1/16"	19/32"	1-7/16"	25/32"	–
K0501-G	1/2"		1-3/16"	19/32"	1-7/16"	25/32"	–
K0751-G	3/4"		1-3/8"	19/32"	1-9/16"	25/32"	–
K1001-G	1"		1-11/16"	21/32"	1-11/16"	25/32"	–
K1251-G	1-1/4"		2-1/16"	5/8"	2-1/32"	25/32"	–
K1501-G	1-1/2"		2-3/8"	5/8"	2-7/32"	25/32"	–
K2001-G	2"		2-7/8"	21/32"	2-9/32"	25/32"	–
K2501-G	2-1/2"		3-5/8"	1"	3-1/2"	1-11/64"	–
K3001-G	3"		4-15/16"	1"	3-3/4"	1-11/64"	–
K3501-G	3-1/2"		4-3/4"	1"	3-3/4"	1-57/64"	–
K4001-G	4"		5-5/16"	1"	3-3/4"	1-57/64"	–
K03891-G	3/8"	90° Insulated	1-1/16"	19/32"	1-5/16"	1-7/16"	25/32"
K05091-G	1/2"		1-3/16"	19/32"	1-5/16"	1-7/16"	25/32"
K07591-G	3/4"		1-3/8"	19/32"	1-7/16"	1-5/8"	25/32"
K10091-G	1"		1-11/16"	21/32"	1-25/32"	2-3/16"	25/32"
K12591-G	1-1/4"		2-1/16"	5/8"	1-31/32"	2-1/2"	25/32"
K15091-G	1-1/2"		2-3/8"	5/8"	2-3/16"	2-11/16"	25/32"
K20091-G	2"		2-7/8"	21/32"	2-17/32"	3-1/4"	25/32"
K25091-G	2-1/2"		3-5/8"	1"	3-3/8"	4-1/4"	1-11/64"
K30091-G	3"		4-15/16"	1"	3-11/16"	4-7/8"	1-11/64"
K40091-G	4"		5-5/16"	1"	4-3/16"	5-5/8"	1-57/64"
K03841-G	3/8"	45° Insulated	1-1/16"	19/32"	1-3/16"	1-9/32"	25/32"
K05041-G	1/2"		1-3/16"	19/32"	1-3/16"	1-9/32"	25/32"
K07541-G	3/4"		1-3/8"	19/32"	1-3/16"	1-7/16"	25/32"
K10041-G	1"		1-11/16"	21/32"	1-3/8"	1-17/32"	25/32"
K12541-G	1-1/4"		2-1/16"	5/8"	1-27/64"	1-11/16"	25/32"
K15041-G	1-1/2"		2-3/8"	5/8"	1-21/32"	2"	25/32"
K20041-G	2"		2-7/8"	21/32"	1-11/16"	2-1/4"	25/32"

GROUNDING STYLE WIRE CAPACITY

3/8" to 2"	#14 solid to #4 Stranded
2-1/2" to 3"	#14 solid to #1/0 Stranded
3-1/2" to 4"	#6 stranded to #250 MCM







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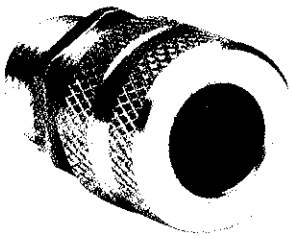


ZS108

Locknut
(See page F71)

Listed - File E22698

Certified - File LR73478
See files for details or call Killark.

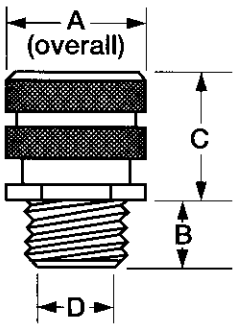
FEATURES-SPECIFICATIONS

Applications
Use to secure and seal cords or cables entering enclosures or raceways.

Z Series connectors are also suitable for use in hazardous locations per National Electrical Code (Articles 501-4(b), 502-4(a&b), 503-3(a&b). Consult these articles for sealing requirements that may apply.

Features
- Aluminum construction resists corrosion
- Neoprene grommet seals out oil and moisture
- Nylon retention ring ensures superior holding power
- Wide range of sizes and configurations

Material/Finish
- Copper-free aluminum (less than 4/10 of 1%)
- Natural finish



Z CORD CONNECTORS — STRAIGHT

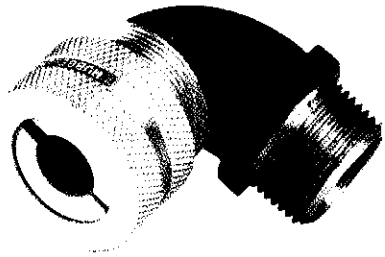
CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS A	B	C	D
ZS001	3/8"	.062-.125	Green	.99	.90	.425	.453
ZS002	3/8"	.125-.187	Orange	.99	.90	.425	.453
ZS003	3/8"	.187-.250	Red	.99	.90	.425	.453
ZS004	3/8"	.250-.312	Black	.99	.90	.425	.453
ZS006	3/8"	.312-.375	White	.99	.90	.425	.453
ZS007	3/8"	.375-.437	Blue	.99	.90	.425	.453
ZS101	1/2"	.062-.125	Green	1.13	1.10	.55	.635
ZS102	1/2"	.125-.187	Orange	1.13	1.10	.55	.635
ZS103	1/2"	.187-.250	Red	1.13	1.10	.55	.635
ZS105	1/2"	.250-.375	White	1.13	1.10	.55	.635
ZS108	1/2"	.375-.500	Blue	1.13	1.10	.55	.635
ZS109*	1/2"	.500-.625	Brown	1.13	1.10	.55	.635
ZS110*	1/2"	.625-.750	Yellow	1.40	1.50	.55	.635
ZS111*	1/2"	.750-.875	Purple	1.40	1.50	.55	.635
ZS201	3/4"	.062-.125	Green	1.29	1.10	.55	.635
ZS202	3/4"	.125-.187	Orange	1.29	1.10	.55	.635
ZS203	3/4"	.187-.250	Red	1.29	1.10	.55	.635
ZS205	3/4"	.250-.375	White	1.29	1.10	.55	.635
ZS208	3/4"	.375-.500	Blue	1.29	1.10	.55	.635
ZS209	3/4"	.500-.625	Brown	1.29	1.10	.55	.635
ZS210	3/4"	.625-.750	Yellow	1.40	1.50	.55	.815
ZS211*	3/4"	.750-.875	Purple	1.40	1.50	.55	.815
ZS308	1"	.375-.500	Blue	1.81	1.60	.71	1.015
ZS309	1"	.500-.625	Brown	1.81	1.60	.71	1.015
ZS310	1"	.625-.750	Yellow	1.81	1.60	.71	1.015
ZS311	1"	.750-.875	Purple	1.81	1.60	.71	1.015
ZS312	1"	.875-1.000	Gray	1.81	1.60	.71	1.015
ZS313*	1"	1.000-1.125	Pink	2.31	1.70	.66	1.015
ZS314*	1"	1.125-1.250	–	2.31	1.70	.66	1.015
ZS315*	1"	1.250-1.375	–	2.31	1.70	.66	1.015
ZS411	1-1/4"	.750-.875	–	2.31	1.70	.74	1.255
ZS412	1-1/4"	.875-1.000	–	2.31	1.70	.74	1.255
ZS413	1-1/4"	1.000-1.125	–	2.31	1.70	.74	1.255
ZS414	1-1/4"	1.125-1.250	–	2.31	1.70	.74	1.255
ZS415*	1-1/4"	1.250-1.375	–	2.31	1.70	.74	1.255

Z CORD CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CORD RANGES	DIMENSIONS A	B	C	D
ZS511	1-1/2"	.750-.875	2.31	1.70	.75	1.38
ZS512	1-1/2"	.875-1.000	2.31	1.70	.75	1.38
ZS513	1-1/2"	1.000-1.125	2.31	1.70	.75	1.38
ZS514	1-1/2"	1.125-1.250	2.31	1.70	.75	1.38
ZS515	1-1/2"	1.250-1.375	2.31	1.70	.75	1.38
ZS516	1-1/2"	1.375-1.500	3.00	2.20	.75	1.50
ZS517*	1-1/2"	1.500-1.625	3.00	2.20	.75	1.50
ZS518*	1-1/2"	1.625-1.750	3.00	2.20	.75	1.50
ZS520*	1-1/2"	1.750-1.875	3.00	2.20	.75	1.50
ZS615	2"	1.250-1.375	3.25	2.20	.80	1.92
ZS616	2"	1.375-1.500	3.25	2.20	.80	1.92
ZS617	2"	1.500-1.625	3.25	2.20	.80	1.92
ZS618	2"	1.625-1.750	3.25	2.20	.80	1.92
ZS620	2"	1.750-1.875	3.25	2.20	.80	1.92
ZS619	2"	1.688-1.812	4.06	2.70	1.27	1.94
ZS621	2"	1.812-1.937	4.06	2.70	1.27	1.94
ZS622*	2"	1.937-2.062	4.06	2.70	1.27	1.94
ZS623*	2"	2.062-2.188	4.06	2.70	1.27	1.94
ZS624*	2"	2.188-2.312	4.06	2.70	1.27	1.94
ZS719	2-1/2"	1.688-1.812	4.33	2.70	1.27	2.34
ZS721	2-1/2"	1.812-1.937	4.33	2.70	1.27	2.34
ZS722	2-1/2"	1.937-2.062	4.33	2.70	1.27	2.34
ZS723	2-1/2"	2.062-2.188	4.33	2.70	1.27	2.34
ZS724	2-1/2"	2.188-2.312	4.33	2.70	1.27	2.34
ZS725*	2-1/2"	2.312-2.437	4.33	2.70	1.27	2.34
ZS727*	2-1/2"	2.625-2.812	4.87	2.70	1.27	2.38
ZS819	3"	1.688-1.812	4.33	2.70	1.30	2.54
ZS821	3"	1.812-1.937	4.33	2.70	1.30	2.54
ZS822	3"	1.937-2.062	4.33	2.70	1.30	2.54
ZS823	3"	2.062-2.188	4.33	2.70	1.30	2.54
ZS824	3"	2.188-2.312	4.33	2.70	1.30	2.54
ZS825	3"	2.312-2.437	4.33	2.70	1.30	2.54
ZS826	3"	2.437-2.625	4.87	2.70	1.38	3.00
ZS827	3"	2.625-2.812	4.87	2.70	1.38	3.00
ZS828	3"	2.812-3.000	4.87	2.70	1.38	3.00
ZS829*	3"	3.000-3.250	4.87	2.70	1.38	3.00

** Cable jacket may have to be stripped to pass through connector body on all sizes.*

HUBBELL
KILLARK



ZN310

Locknut

FEATURES-SPECIFICATIONS

Applications

Use to secure and seal cords or cables entering enclosures or raceways.

Z Series connectors are also suitable for use in hazardous locations per National Electrical Code (Articles 501-4(b), 502-4(a&b), 503-3(a&b). Consult these articles for sealing requirements that may apply.

Features

- Aluminum construction resists corrosion
- Neoprene grommet seals out oil and moisture
- Nylon retention ring ensures superior holding power
- Wide range of sizes and configurations

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Natural finish

Z CORD CONNECTORS — 90°

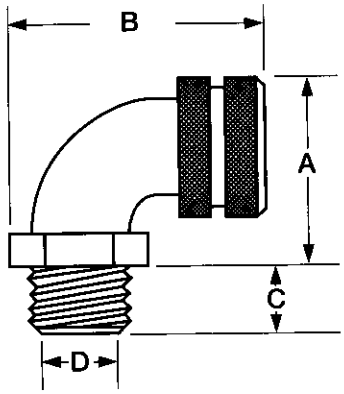
CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS			
				A	B	C	D
ZN102	1/2"	.125-.187	Orange	1.56	2.30	.50	.546
ZN103	1/2"	.187-.250	Red	1.56	2.30	.50	.546
ZN105	1/2"	.250-.375	White	1.56	2.30	.50	.546
ZN108	1/2"	.375-.500	Blue	1.56	2.30	.50	.546
ZN109*	1/2"	.500-.625	Brown	1.56	2.30	.50	.546
ZN208	3/4"	.375-.500	Blue	1.79	2.80	.562	.765
ZN209	3/4"	.500-.625	Brown	1.79	2.80	.562	.765
ZN210*	3/4"	.625-.750	Yellow	1.79	2.80	.562	.765
ZN211*	3/4"	.750-.875	Purple	1.79	2.80	.562	.765
ZN309	1"	.500-.625	Brown	2.08	3.20	.703	1.00
ZN310	1"	.625-.750	Yellow	2.08	3.20	.703	1.00
ZN311	1"	.750-.875	Purple	2.08	3.20	.703	1.00
ZN312*	1"	.875-1.000	Gray	2.08	3.20	.703	1.00
ZN313*	1"	1.000-1.125	Pink	2.08	3.20	.703	1.00
ZN412	1-1/4"	.875-1.000	—	3.18	4.30	.73	1.26
ZN413	1-1/4"	1.000-1.125	—	3.18	4.30	.73	1.26
ZN414*	1-1/4"	1.125-1.250	—	3.18	4.30	.73	1.26
ZN415*	1-1/4"	1.250-1.375	—	3.18	4.30	.73	1.26
ZN513	1-1/2"	1.000-1.125	—	3.18	4.30	.75	1.50
ZN514	1-1/2"	1.125-1.250	—	3.18	4.30	.75	1.50
ZN515	1-1/2"	1.250-1.375	—	3.18	4.30	.75	1.50
ZN616	2"	1.375-1.500	—	3.50	5.50	.80	1.92

** Cable jacket may have to be stripped to pass through connector body.*

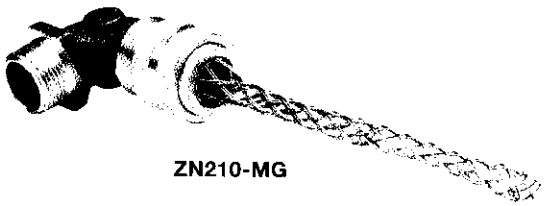
OPTIONAL LOCKNUTS AND SEALING WASHERS

CATALOG NUMBER		NPT SIZES
STEEL LOCKNUTS①	SEALING WASHERS②	
LN375	—	3/8"
LN1	KOR-1	1/2"
LN2	KOR-2	3/4"
LN3	KOR-3	1"
LN4	KOR-4	1-1/4"
LN5	KOR-5	1-1/2"
LN6	KOR-6	2"
LN7	—	2-1/2"
LN8	—	3"

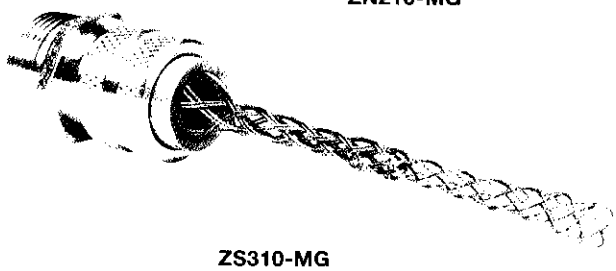
① 2-1/2" through 3" are malleable, with hexhead flats.
② Neoprene washers are mounted on steel reinforcing bands.



Z SERIES • FITTINGS
ALUMINUM CORD CONNECTOR WITH MESH GRIP



ZN210-MG



ZS310-MG

Locknut

Listed - File E22698

Certified - File LR73478

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Z Series cord connector grips combine aluminum cord connectors with stainless steel mesh grips to provide superior cord pull-out prevention in indoor and outdoor applications. These grips provide enclosure terminations where cords are subjected to moisture or splashing water.

They are also suitable for use in hazardous locations per National Electrical Code (Articles 501-4(b), 502-4(a&b), 503-3(a&b). Consult these article for sealing requirements that may apply.

Features

- Aluminum fittings are strong, durable and corrosion resistant
- Internal grommet provides liquidtight seal
- Stainless steel mesh grips resist corrosion, prevent cord pull-out and control arc-of-bend

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Natural finish
- Stainless steel mesh grip

Z CORD CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS			
				A	B	C	D
ZS004-MG	3/8"	.250-.312	Black	.99	.90	.425	.453
ZS006-MG	3/8"	.312-.375	White	.99	.90	.425	.453
ZS007-MG	3/8"	.375-.437	Blue	.99	.90	.425	.453
ZS103-MG	1/2"	.187-.250	Red	1.13	1.10	.55	.635
ZS105-MG	1/2"	.250-.375	White	1.13	1.10	.55	.635
ZS108-MG	1/2"	.375-.500	Blue	1.13	1.10	.55	.635
ZS109-MG	1/2"	.500-.625	Brown	1.13	1.10	.55	.635
ZS110-MG	1/2"	.625-.750	Yellow	1.40	1.50	.55	.635
ZS111-MG	1/2"	.750-.875	Purple	1.40	1.50	.55	.635
ZS203-MG	3/4"	.187-.250	Red	1.29	1.10	.55	.635
ZS205-MG	3/4"	.250-.375	White	1.29	1.10	.55	.635
ZS208-MG	3/4"	.375-.500	Blue	1.29	1.10	.55	.635
ZS209-MG	3/4"	.500-.625	Brown	1.29	1.10	.55	.635
ZS210-MG	3/4"	.625-.750	Yellow	1.40	1.50	.55	.815
ZS211-MG	3/4"	.750-.875	Purple	1.40	1.50	.55	.815
ZS308-MG	1"	.375-.500	Blue	1.81	1.60	.71	1.015
ZS309-MG	1"	.500-.625	Brown	1.81	1.60	.71	1.015
ZS310-MG	1"	.625-.750	Yellow	1.81	1.60	.71	1.015
ZS311-MG	1"	.750-.875	Purple	1.81	1.60	.71	1.015
ZS312-MG	1"	.875-1.00	Gray	1.81	1.60	.71	1.015
ZS313-MG	1"	1.00-1.125	Pink	2.31	1.70	.66	1.015

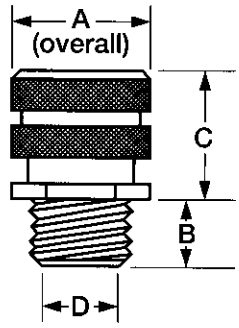
Z CORD CONNECTORS — 90°

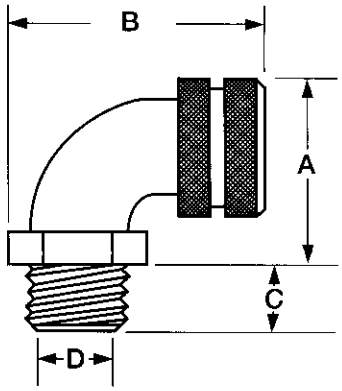
CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS			
				A	B	C	D
ZN103-MG	1/2"	.187-.250	Red	1.56	2.30	.50	.546
ZN105-MG	1/2"	.250-.375	White	1.56	2.30	.50	.546
ZN108-MG	1/2"	.375-.500	Blue	1.56	2.30	.50	.546
ZN109-MG	1/2"	.500-.625	Brown	1.56	2.30	.50	.546
ZN208-MG	3/4"	.375-.500	Blue	1.79	2.80	.562	.765
ZN209-MG	3/4"	.500-.625	Brown	1.79	2.80	.562	.765
ZN210-MG	3/4"	.625-.750	Yellow	1.79	2.80	.562	.765
ZN211-MG	3/4"	.750-.875	Purple	1.79	2.80	.562	.765

OPTIONAL LOCKNUTS AND SEALING WASHERS

CATALOG NUMBER		NPT SIZES
STEEL LOCKNUTS①	SEALING WASHERS②	
LN375	—	3/8"
LN1	KOR-1	1/2"
LN2	KOR-2	3/4"
LN3	KOR-3	1"
LN4	KOR-4	1-1/4"
LN5	KOR-5	1-1/2"
LN6	KOR-6	2"
LN7	—	2-1/2"
LN8	—	3"

① *2-1/2" through 3" are malleable, with hexhead flats.*
② *Neoprene washers are mounted on steel reinforcing bands.*





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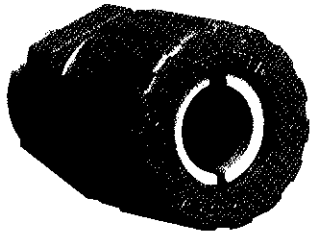
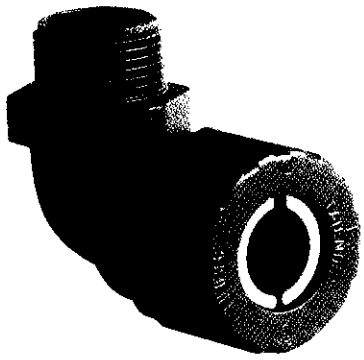


ZS210CR



ZN210CR

Listed - File E22698
Certified - File LR73478
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Durable nylon construction makes these connectors perfectly suited to corrosive environments.

Typical applications for nylon cord connectors include food processing facilities, chemical and sewage treatment plants and off-shore and dockside installations.

Features

- Nylon retention ring for increased holding power
- Neoprene bushing seals against moisture
- Nylon connectors obtain approximately the same cord retention values with hand tightening that can be produced only by wrench tightening of metal cord connectors

Material

- Nylon

Z NYLON CORD CONNECTORS — STRAIGHT

CATALOG NUMBER*	NPT SIZE	CORD RANGES	COLOR CODE
ZS002CR	3/8"	.125-.187	Orange
ZS003CR	3/8"	.187-.250	Red
ZS004CR	3/8"	.250-.312	Black
ZS006CR	3/8"	.312-.375	White
ZS007CR	3/8"	.375-.437	Blue
ZS101CR	1/2"	.062-.125	Green
ZS102CR	1/2"	.125-.187	Orange
ZS103CR	1/2"	.187-.250	Red
ZS105CR	1/2"	.250-.375	White
ZS108CR	1/2"	.375-.500	Blue
ZS109CR	1/2"	.500-.625	Brown
ZS208CR	3/4"	.375-.500	Blue
ZS209CR	3/4"	.500-.625	Brown
ZS210CR	3/4"	.625-.750	Yellow
ZS211CR	3/4"	.750-.875	Purple
ZS308CR	1"	.375-.500	Blue
ZS309CR	1"	.500-.625	Brown
ZS310CR	1"	.625-.750	Yellow
ZS311CR	1"	.750-.875	Purple
ZS312CR	1"	.875-1.000	Gray
ZS313CR	1"	1.000-1.125	Pink

Z NYLON CORD CONNECTORS — 90°

CATALOG NUMBER*	NPT SIZE	CORD RANGES	COLOR CODE
ZN102CR	1/2"	.125-.187	Orange
ZN103CR	1/2"	.187-.250	Red
ZN105CR	1/2"	.250-.375	White
ZN108CR	1/2"	.375-.500	Blue
ZN109CR	1/2"	.500-.625	Brown
ZN208CR	3/4"	.375-.500	Blue
ZN209CR	3/4"	.500-.625	Brown
ZN210CR	3/4"	.625-.750	Yellow
ZN211CR	3/4"	.750-.875	Purple
ZN310CR	1"	.625-.750	Yellow
ZN311CR	1"	.750-.875	Purple
ZN312CR	1"	.875-1.000	Gray

OPTIONAL LOCKNUTS

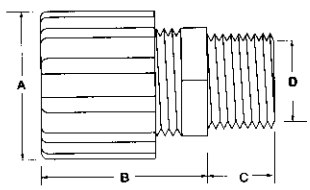
CATALOG NUMBER	NPT SIZE
LN-375CR	3/8"
LN-1CR	1/2"
LN-2CR	3/4"
LN-3CR	1"

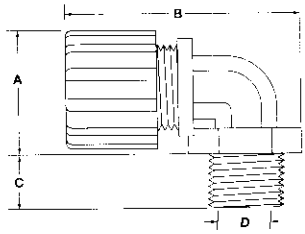
Z STRAIGHT DIMENSIONS

NPT SIZE	DIMENSIONS			
	A	B	C	D
3/8"	63/64"	1-3/32"	7/16"	7/16"
1/2"	1-1/4"	1-1/2"	17/32"	37/64"
3/4"	1-31/64"	1-5/8"	35/64"	49/64"
1"	1-27/32"	1-3/4"	11/16"	1-1/16"

Z 90° DIMENSIONS

NPT SIZE	DIMENSIONS			
	A	B	C	D
1/2"	1-13/32"	2-1/2"	17/32"	1-1/2"
3/4"	1-21/32"	2-51/64"	35/64"	49/64"
1"	1-63/64"	3-19/64"	11/16"	1-1/64"





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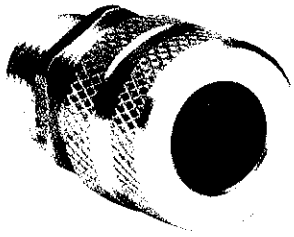


ZS108-EX

Locknut
(See page F71)

Ex e II† (Class I, Zone 1) Type 4**

Listed - File E22698

Certified - File LR73478

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Use to secure and seal cords or cables entering enclosures or raceways.

Z Series connectors are also suitable for use in hazardous locations per National Electrical Code Articles 501-4(b), 502-4(a&b), 503-3(a&b), 505-15 (c); Canadian Electrical Code 18-106, 18-122, 18-156, 18-218, 18-252, 18-302 and 18-352; International Electrotechnical Commission (IEC) 60079-7 Increased Safety (Ex e II).Consult these articles for appropriate installation requirements.

Features

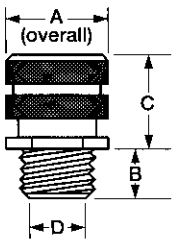
- Aluminum construction resists corrosion
- Neoprene grommet seals out oil and moisture
- Nylon retention ring ensures superior holding power
- Wide range of sizes and configurations

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Natural finish

† Listed by CSA for Class I, Zone 1 in Canada. Listed by CSA as a Nationally Recognized Test Lab (NRTL) for Class I, Div. 2, Class I, Zone 2 in the United States.

*** Type 4 when installed with a proper gasket.*



Z CORD CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS A	B	C	D
ZS001-EX	3/8"	.062-.125	Green	.99	.425	.90	.453
ZS002-EX	3/8"	.125-.187	Orange	.99	.425	.90	.453
ZS003-EX	3/8"	.187-.250	Red	.99	.425	.90	.453
ZS004-EX	3/8"	.250-.312	Black	.99	.425	.90	.453
ZS006-EX	3/8"	.312-.375	White	.99	.425	.90	.453
ZS007-EX	3/8"	.375-.437	Blue	.99	.425	.90	.453
ZS101-EX	1/2"	.062-.125	Green	1.13	.55	1.10	.635
ZS102-EX	1/2"	.125-.187	Orange	1.13	.55	1.10	.635
ZS103-EX	1/2"	.187-.250	Red	1.13	.55	1.10	.635
ZS105-EX	1/2"	.250-.375	White	1.13	.55	1.10	.635
ZS108-EX	1/2"	.375-.500	Blue	1.13	.55	1.10	.635
ZS109-EX*	1/2"	.500-.625	Brown	1.13	.55	1.10	.635
ZS110-EX*	1/2"	.625-.750	Yellow	1.40	.55	1.50	.635
ZS111-EX*	1/2"	.750-.875	Purple	1.40	.55	1.50	.635
ZS201-EX	3/4"	.062-.125	Green	1.29	.55	1.10	.635
ZS202-EX	3/4"	.125-.187	Orange	1.29	.55	1.10	.635
ZS203-EX	3/4"	.187-.250	Red	1.29	.55	1.10	.635
ZS205-EX	3/4"	.250-.375	White	1.29	.55	1.10	.635
ZS208-EX	3/4"	.375-.500	Blue	1.29	.55	1.10	.635
ZS209-EX	3/4"	.500-.625	Brown	1.29	.55	1.10	.635
ZS210-EX	3/4"	.625-.750	Yellow	1.40	.55	1.50	.815
ZS211-EX*	3/4"	.750-.875	Purple	1.40	.55	1.50	.815
ZS308-EX	1"	.375-.500	Blue	1.81	.71	1.60	1.015
ZS309-EX	1"	.500-.625	Brown	1.81	.71	1.60	1.015
ZS310-EX	1"	.625-.750	Yellow	1.81	.71	1.60	1.015
ZS311-EX	1"	.750-.875	Purple	1.81	.71	1.60	1.015
ZS312-EX	1"	.875-1.000	Gray	1.81	.71	1.60	1.015
ZS313-EX*	1"	1.000-1.125	Pink	2.31	.66	1.70	1.015
ZS314-EX*	1"	1.125-1.250	–	2.31	.66	1.70	1.015
ZS315-EX*	1"	1.250-1.375	–	2.31	.66	1.70	1.015
ZS411-EX	1-1/4"	.750-.875	–	2.31	.74	1.70	1.255
ZS412-EX	1-1/4"	.875-1.000	–	2.31	.74	1.70	1.255
ZS413-EX	1-1/4"	1.000-1.125	–	2.31	.74	1.70	1.255
ZS414-EX	1-1/4"	1.125-1.250	–	2.31	.74	1.70	1.255
ZS415-EX*	1-1/4"	1.250-1.375	–	2.31	.74	1.70	1.255

** Cable jacket may have to be stripped to pass through connector body on all sizes.*

Z CORD CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CORD RANGES	DIMENSIONS A	B	C	D
ZS511-EX	1-1/2"	.750-.875	2.31	.75	1.70	1.38
ZS512-EX	1-1/2"	.875-1.000	2.31	.75	1.70	1.38
ZS513-EX	1-1/2"	1.000-1.125	2.31	.75	1.70	1.38
ZS514-EX	1-1/2"	1.125-1.250	2.31	.75	1.70	1.38
ZS515-EX	1-1/2"	1.250-1.375	2.31	.75	1.70	1.38
ZS516-EX	1-1/2"	1.375-1.500	3.00	.75	2.20	1.50
ZS517-EX*	1-1/2"	1.500-1.625	3.00	.75	2.20	1.50
ZS518-EX*	1-1/2"	1.625-1.750	3.00	.75	2.20	1.50
ZS520-EX*	1-1/2"	1.750-1.875	3.00	.75	2.20	1.50
ZS615-EX	2"	1.250-1.375	3.25	.80	2.20	1.92
ZS616-EX	2"	1.375-1.500	3.25	.80	2.20	1.92
ZS617-EX	2"	1.500-1.625	3.25	.80	2.20	1.92
ZS618-EX	2"	1.625-1.750	3.25	.80	2.20	1.92
ZS620-EX	2"	1.750-1.875	3.25	.80	2.20	1.92
ZS619-EX	2"	1.688-1.812	4.06	1.27	2.70	1.94
ZS621-EX	2"	1.812-1.937	4.06	1.27	2.70	1.94
ZS622-EX*	2"	1.937-2.062	4.06	1.27	2.70	1.94
ZS623-EX*	2"	2.062-2.188	4.06	1.27	2.70	1.94
ZS624-EX*	2"	2.188-2.312	4.06	1.27	2.70	1.94
ZS719-EX	2-1/2"	1.688-1.812	4.33	1.27	2.70	2.34
ZS721-EX	2-1/2"	1.812-1.937	4.33	1.27	2.70	2.34
ZS722-EX	2-1/2"	1.937-2.062	4.33	1.27	2.70	2.34
ZS723-EX	2-1/2"	2.062-2.188	4.33	1.27	2.70	2.34
ZS724-EX	2-1/2"	2.188-2.312	4.33	1.27	2.70	2.34
ZS725-EX*	2-1/2"	2.312-2.437	4.33	1.27	2.70	2.34
ZS727-EX*	2-1/2"	2.625-2.812	4.87	1.27	2.70	2.38
ZS819-EX	3"	1.688-1.812	4.33	1.30	2.70	2.54
ZS821-EX	3"	1.812-1.937	4.33	1.30	2.70	2.54
ZS822-EX	3"	1.937-2.062	4.33	1.30	2.70	2.54
ZS823-EX	3"	2.062-2.188	4.33	1.30	2.70	2.54
ZS824-EX	3"	2.188-2.312	4.33	1.30	2.70	2.54
ZS825-EX	3"	2.312-2.437	4.33	1.30	2.70	2.54
ZS826-EX	3"	2.437-2.625	4.87	1.38	2.70	3.00
ZS827-EX	3"	2.625-2.812	4.87	1.38	2.70	3.00
ZS828-EX	3"	2.812-3.000	4.87	1.38	2.70	3.00
ZS829-EX*	3"	3.000-3.250	4.87	1.38	2.70	3.00

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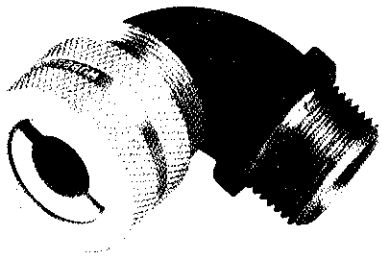


ZN310-EX

Locknut

Ex e II† (Class I, Zone 1) Type 4**

Listed - File E22698

Certified - File LR73478
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Use to secure and seal cords or cables entering enclosures or raceways.

Z Series connectors are also suitable for use in hazardous locations per National Electrical Code Articles 501-4(b), 502-4(a&b), 503-3(a&b), 505-15 (c); Canadian Electrical Code 18-106, 18-122, 18-156, 18-218, 18-252, 18-302 and 18-352; International Electrotechnical Commission (IEC) 60079-7 Increased Safety (Ex e II).Consult these articles for appropriate installation requirements.

Features

- Aluminum construction resists corrosion
- Neoprene grommet seals out oil and moisture
- Nylon retention ring ensures superior holding power
- Wide range of sizes and configurations

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Natural finish

† Listed by CSA for Class I, Zone 1 in Canada. Listed by CSA as a Nationally Recognized Test Lab (NRTL) for Class I, Div. 2, Class I, Zone 2 in the United States.

*** Type 4 when installed with a proper gasket.*

Z CORD CONNECTORS — 90°

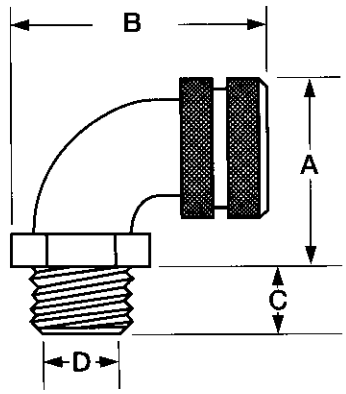
CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS			
				A	B	C	D
ZN102-EX	1/2"	.125-.187	Orange	1.56	2.30	.50	.546
ZN103-EX	1/2"	.187-.250	Red	1.56	2.30	.50	.546
ZN105-EX	1/2"	.250-.375	White	1.56	2.30	.50	.546
ZN108-EX	1/2"	.375-.500	Blue	1.56	2.30	.50	.546
ZN109-EX*	1/2"	.500-.625	Brown	1.56	2.30	.50	.546
ZN208-EX	3/4"	.375-.500	Blue	1.79	2.80	.562	.765
ZN209-EX	3/4"	.500-.625	Brown	1.79	2.80	.562	.765
ZN210-EX*	3/4"	.625-.750	Yellow	1.79	2.80	.562	.765
ZN211-EX*	3/4"	.750-.875	Purple	1.79	2.80	.562	.765
ZN308-EX	1"	.375-.500	Blue	2.08	3.20	.703	1.00
ZN309-EX	1"	.500-.625	Brown	2.08	3.20	.703	1.00
ZN310-EX	1"	.625-.750	Yellow	2.08	3.20	.703	1.00
ZN311-EX	1"	.750-.875	Purple	2.08	3.20	.703	1.00
ZN312-EX*	1-1/4"	.875-1.000	Gray	2.08	3.20	.703	1.00
ZN313-EX*	1-1/4"	1.000-1.125	Pink	2.08	3.20	.703	1.00
ZN412-EX	1-1/4"	.875-1.000	—	3.18	4.30	.73	1.26
ZN413-EX	1-1/4"	1.000-1.125	—	3.18	4.30	.73	1.26
ZN414-EX*	1-1/4"	1.125-1.250	—	3.18	4.30	.73	1.26
ZN415-EX*	1-1/4"	1.250-1.375	—	3.18	4.30	.73	1.26
ZN513-EX	1-1/2"	1.000-1.125	—	3.18	4.30	.75	1.50
ZN514-EX	1-1/2"	1.125-1.250	—	3.18	4.30	.75	1.50
ZN515-EX	1-1/2"	1.250-1.375	—	3.18	4.30	.75	1.50
ZN616-EX	2"	1.375-1.500	—	3.50	5.50	.80	1.92

**Cable jacket may have to be stripped to pass through connector body.*

OPTIONAL LOCKNUTS AND SEALING WASHERS

CATALOG NUMBER		NPT SIZES
STEEL LOCKNUTS①	SEALING WASHERS②	
LN375	—	3/8"
LN1	KOR-1	1/2"
LN2	KOR-2	3/4"
LN3	KOR-3	1"
LN4	KOR-4	1-1/4"
LN5	KOR-5	1-1/2"
LN6	KOR-6	2"
LN7	—	2-1/2"
LN8	—	3"

① 2-1/2" through 3" are malleable, with hexhead flats.
② Neoprene washers are mounted on steel reinforcing bands.



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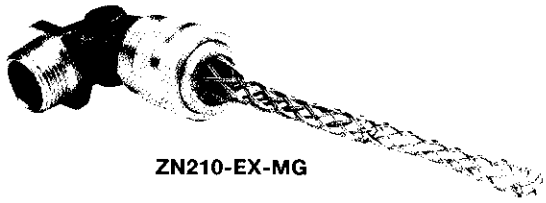
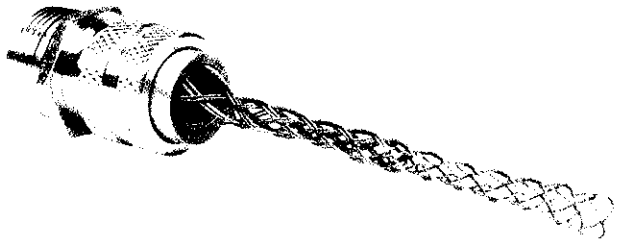
Z SERIES • FITTINGS
INCREASED SAFETY ALUMINUM CORD CONNECTOR WITH MESH GRIP



ZN210-EX-MG



ZS310-EX-MG

Locknut

Ex e II† (Class I, Zone 1) Type 4**

Listed - File E22698

Certified - File LR73478

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Z Series cord connector grips combine aluminum cord connectors with stainless steel mesh grips to provide superior cord pull-out prevention in indoor and outdoor applications. These grips provide enclosure terminations where cords are subjected to moisture or splashing water.

They are also suitable for use in hazardous locations per National Electrical Code (Articles 501-4(b), 502-4(a&b), 503-3(a&b), 505-15 (c); Canadian Electrical Code 18-106, 18-122, 18-156, 18-218, 18-252, 18-302 and 18-352; International Electrotechnical Commission (IEC) 60079-7 Increased Safety (Ex e II).Consult these articles for appropriate installation requirements.

Features

- Aluminum fittings are strong, durable and corrosion resistant
- Internal grommet provides liquidtight seal
- Stainless steel mesh grips resist corrosion, prevent cord pull-out and control arc-of-bend

Material/Finish

- Copper-free aluminum (less than 4/10 of 1%)
- Natural finish
- Stainless steel mesh grip

† Listed by CSA for Class I, Zone 1 in Canada. Listed by CSA as a Nationally Recognized Test Lab (NRTL) for Class I, Div. 2, Class I, Zone 2 in the United States.

*** Type 4 when installed with a proper gasket.*

Z CORD CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS A	B	C	D
ZS004-EX-MG	3/8"	.250-.312	Black	.99	.90	.425	.453
ZS006-EX-MG	3/8"	.312-.375	White	.99	.90	.425	.453
ZS007-EX-MG	3/8"	.375-.437	Blue	.99	.90	.425	.453
ZS103-EX-MG	1/2"	.187-.250	Red	1.13	1.10	.55	.635
ZS105-EX-MG	1/2"	.250-.375	White	1.13	1.10	.55	.635
ZS108-EX-MG	1/2"	.375-.500	Blue	1.13	1.10	.55	.635
ZS109-EX-MG*	1/2"	.500-.625	Brown	1.13	1.10	.55	.635
ZS110-EX-MG*	1/2"	.625-.750	Yellow	1.40	1.50	.55	.635
ZS111-EX-MG*	1/2"	.750-.875	Purple	1.40	1.50	.55	.635
ZS203-EX-MG	3/4"	.187-.250	Red	1.29	1.10	.55	.635
ZS205-EX-MG	3/4"	.250-.375	White	1.29	1.10	.55	.635
ZS208-EX-MG	3/4"	.375-.500	Blue	1.29	1.10	.55	.635
ZS209-EX-MG	3/4"	.500-.625	Brown	1.29	1.10	.55	.635
ZS210-EX-MG	3/4"	.625-.750	Yellow	1.40	1.50	.55	.815
ZS211-EX-MG*	3/4"	.750-.875	Purple	1.40	1.50	.55	.815
ZS308-EX-MG	1"	.375-.500	Blue	1.81	1.60	.71	1.015
ZS309-EX-MG	1"	.500-.625	Brown	1.81	1.60	.71	1.015
ZS310-EX-MG	1"	.625-.750	Yellow	1.81	1.60	.71	1.015
ZS311-EX-MG	1"	.750-.875	Purple	1.81	1.60	.71	1.015
ZS312-EX-MG*	1"	.875-1.00	Gray	1.81	1.60	.71	1.015
ZS313-EX-MG*	1"	1.00-1.125	Pink	2.31	1.70	.66	1.015

Z CORD CONNECTORS — 90°

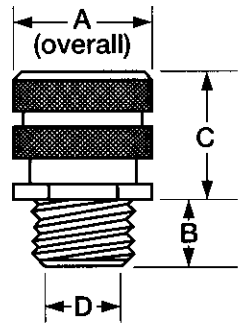
CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE	DIMENSIONS A	B	C	D
ZN103-EX-MG	1/2"	.187-.250	Red	1.56	2.30	.50	.546
ZN105-EX-MG	1/2"	.250-.375	White	1.56	2.30	.50	.546
ZN108-EX-MG	1/2"	.375-.500	Blue	1.56	2.30	.50	.546
ZN109-EX-MG*	1/2"	.500-.625	Brown	1.56	2.30	.50	.546
ZN208-EX-MG	3/4"	.375-.500	Blue	1.79	2.80	.562	.765
ZN209-EX-MG	3/4"	.500-.625	Brown	1.79	2.80	.562	.765
ZN210-EX-MG*	3/4"	.625-.750	Yellow	1.79	2.80	.562	.765
ZN211-EX-MG*	3/4"	.750-.875	Purple	1.79	2.80	.562	.765

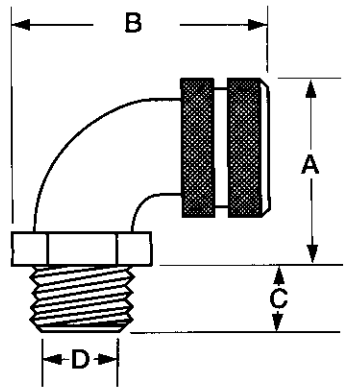
** Cable jacket may have to be stripped to pass through connector body on all sizes.*

OPTIONAL LOCKNUTS AND SEALING WASHERS

CATALOG NUMBER		NPT SIZES
STEEL LOCKNUTS①	SEALING WASHERS②	
LN375	—	3/8"
LN1	KOR-1	1/2"
LN2	KOR-2	3/4"
LN3	KOR-3	1"
LN4	KOR-4	1-1/4"
LN5	KOR-5	1-1/2"
LN6	KOR-6	2"
LN7	—	2-1/2"
LN8	—	3"

① 2-1/2" through 3" are malleable, with hexhead flats.
② Neoprene washers are mounted on steel reinforcing bands.





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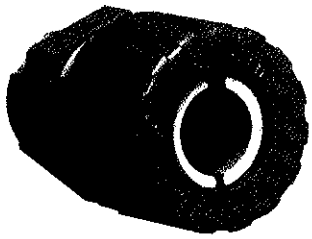
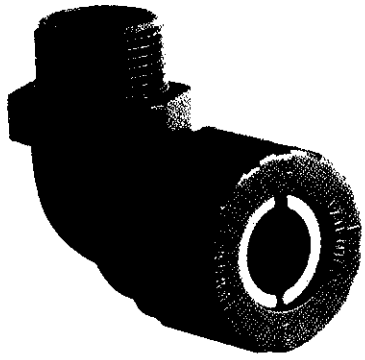


ZS210CR-EX



ZN210CR-EX

Ex e II† (Class I, Zone 1) Type 4**

Listed - File E22698

Certified - File LR73478

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Durable nylon construction makes these connectors perfectly suited to corrosive environments.

Typical applications for nylon cord connectors include food processing facilities, chemical and sewage treatment plants and off-shore and dockside installations.

Features

- Nylon retention ring for increased holding power
- Neoprene bushing seals against moisture
- Nylon connectors obtain approximately the same cord retention values with hand tightening that can be produced only by wrench tightening of metal cord connectors

Material

- Nylon

† Listed by CSA for Class I, Zone 1 in Canada. Listed by CSA as a Nationally Recognized Test Lab (NRTL) for Class I, Div. 2, Class I, Zone 2 in the United States.

*** Type 4 when installed with a proper gasket.*

Z NYLON CORD CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE
ZS002CR-EX	3/8"	.125-.187	Orange
ZS003CR-EX	3/8"	.187-.250	Red
ZS004CR-EX	3/8"	.250-.312	Black
ZS006CR-EX	3/8"	.312-.375	White
ZS007CR-EX	3/8"	.375-.437	Blue
ZS101CR-EX	1/2"	.062-.125	Green
ZS102CR-EX	1/2"	.125-.187	Orange
ZS103CR-EX	1/2"	.187-.250	Red
ZS105CR-EX	1/2"	.250-.375	White
ZS108CR-EX	1/2"	.375-.500	Blue
ZS109CR-EX	1/2"	.500-.625	Brown
ZS208CR-EX	3/4"	.375-.500	Blue
ZS209CR-EX	3/4"	.500-.625	Brown
ZS210CR-EX	3/4"	.625-.750	Yellow
ZS211CR-EX	3/4"	.750-.875	Purple
ZS308CR-EX	1"	.375-.500	Blue
ZS309CR-EX	1"	.500-.625	Brown
ZS310CR-EX	1"	.625-.750	Yellow
ZS311CR-EX	1"	.750-.875	Purple
ZS312CR-EX	1"	.875-1.000	Gray
ZS313CR-EX	1"	1.000-1.125	Pink

Z NYLON CORD CONNECTORS — 90°

CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE
ZN102CR-EX	1/2"	.125-.187	Orange
ZN103CR-EX	1/2"	.187-.250	Red
ZN105CR-EX	1/2"	.250-.375	White
ZN108CR-EX	1/2"	.375-.500	Blue
ZN109CR-EX	1/2"	.500-.625	Brown
ZN208CR-EX	3/4"	.375-.500	Blue
ZN209CR-EX	3/4"	.500-.625	Brown
ZN210CR-EX	3/4"	.625-.750	Yellow
ZN211CR-EX	3/4"	.750-.875	Purple
ZN310CR-EX	1"	.625-.750	Yellow
ZN311CR-EX	1"	.750-.875	Purple
ZN312CR-EX	1"	.875-1.000	Gray

OPTIONAL LOCKNUTS

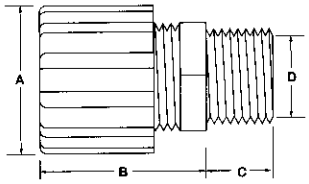
CATALOG NUMBER	NPT SIZE
LN-375CR	3/8"
LN-1CR	1/2"
LN-2CR	3/4"
LN-3CR	1"

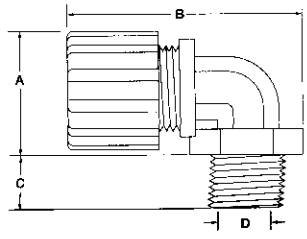
Z STRAIGHT DIMENSIONS

NPT SIZE	DIMENSIONS			
	A	B	C	D
3/8"	63/64"	1-3/32"	7/16"	7/16"
1/2"	1-1/4"	1-1/2"	17/32"	37/64"
3/4"	1-31/64"	1-5/8"	35/64"	49/64"
1"	1-27/32"	1-3/4"	11/16"	1-1/16"

Z 90° DIMENSIONS

NPT SIZE	DIMENSIONS			
	A	B	C	D
1/2"	1-13/32"	2-1/2"	17/32"	1-1/2"
3/4"	1-21/32"	2-51/64"	35/64"	49/64"
1"	1-63/64"	3-19/64"	11/16"	1-1/64"





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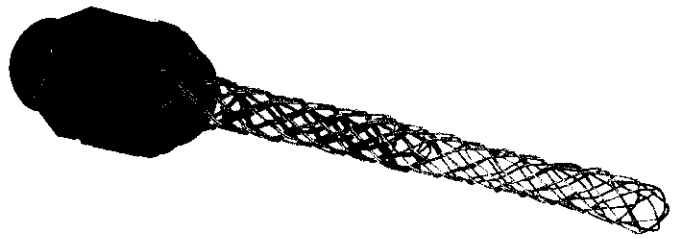


ZS308CR-EX-MG

Ex e II† (Class I, Zone 1) Type 4**

Listed - File E22698

Certified - File LR73478

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

Durable nylon construction makes these connectors perfectly suited to corrosive environments.

Typical applications for nylon cord connectors include food processing facilities, chemical and sewage treatment plants and off-shore and dockside installations.

Features

- Nylon retention ring for increased holding power
- Neoprene bushing seals against moisture
- Nylon connectors obtain approximately the same cord retention values with hand tightening that can be produced only by wrench tightening of metal cord connectors

Material

- Nylon
- Kevlar mesh grip

† Listed by CSA for Class I, Zone 1 in Canada. Listed by CSA as a Nationally Recognized Test Lab (NRTL) for Class I, Div. 2, Class I, Zone 2 in the United States.

*** Type 4 when installed with a proper gasket.*

Z NYLON CORD CONNECTORS — STRAIGHT

CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE
ZS002CR-EX-MG	3/8"	.125-.187	Orange
ZS003CR-EX-MG	3/8"	.187-.250	Red
ZS004CR-EX-MG	3/8"	.250-.312	Black
ZS006CR-EX-MG	3/8"	.312-.375	White
ZS007CR-EX-MG	3/8"	.375-.437	Blue
ZS101CR-EX-MG	1/2"	.062-.125	Green
ZS102CR-EX-MG	1/2"	.125-.187	Orange
ZS103CR-EX-MG	1/2"	.187-.250	Red
ZS105CR-EX-MG	1/2"	.250-.375	White
ZS108CR-EX-MG	1/2"	.375-.500	Blue
ZS109CR-EX-MG	1/2"	.500-.625	Brown
ZS208CR-EX-MG	3/4"	.375-.500	Blue
ZS209CR-EX-MG	3/4"	.500-.625	Brown
ZS210CR-EX-MG	3/4"	.625-.750	Yellow
ZS211CR-EX-MG	3/4"	.750-.875	Purple
ZS308CR-EX-MG	1"	.375-.500	Blue
ZS309CR-EX-MG	1"	.500-.625	Brown
ZS310CR-EX-MG	1"	.625-.750	Yellow
ZS311CR-EX-MG	1"	.750-.875	Purple
ZS312CR-EX-MG	1"	.875-1.000	Gray
ZS313CR-EX-MG	1"	1.000-1.125	Pink

Z NYLON CORD CONNECTORS — 90°

CATALOG NUMBER	NPT SIZE	CORD RANGES	COLOR CODE
ZN102CR-EX-MG	1/2"	.125-.187	Orange
ZN103CR-EX-MG	1/2"	.187-.250	Red
ZN105CR-EX-MG	1/2"	.250-.375	White
ZN108CR-EX-MG	1/2"	.375-.500	Blue
ZN109CR-EX-MG	1/2"	.500-.625	Brown
ZN208CR-EX-MG	3/4"	.375-.500	Blue
ZN209CR-EX-MG	3/4"	.500-.625	Brown
ZN210CR-EX-MG	3/4"	.625-.750	Yellow
ZN211CR-EX-MG	3/4"	.750-.875	Purple
ZN310CR-EX-MG	1"	.625-.750	Yellow
ZN311CR-EX-MG	1"	.750-.875	Purple
ZN312CR-EX-MG	1"	.875-1.000	Gray

OPTIONAL LOCKNUTS

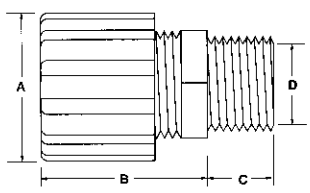
CATALOG NUMBER	NPT SIZE
LN-375CR	3/8"
LN-1CR	1/2"
LN-2CR	3/4"
LN-3CR	1"

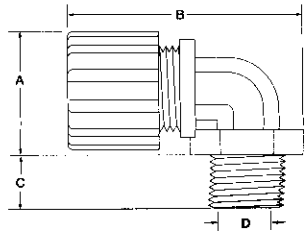
Z STRAIGHT DIMENSIONS

NPT SIZE	DIMENSIONS			
	A	B	C	D
3/8"	63/64"	1-3/32"	7/16"	7/16"
1/2"	1-1/4"	1-1/2"	17/32"	37/64"
3/4"	1-31/64"	1-5/8"	35/64"	49/64"
1"	1-27/32"	1-3/4"	11/16"	1-1/16"

Z 90° DIMENSIONS

NPT SIZE	DIMENSIONS			
	A	B	C	D
1/2"	1-13/32"	2-1/2"	17/32"	1-1/2"
3/4"	1-21/32"	2-51/64"	35/64"	49/64"
1"	1-63/64"	3-19/64"	11/16"	1-1/64"





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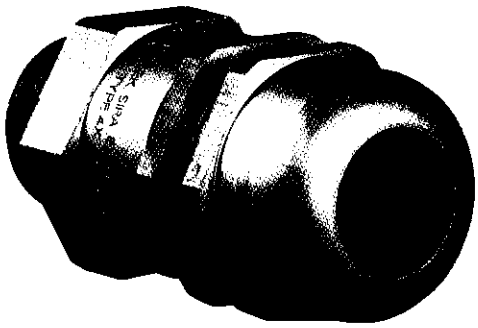


Class I, Zone 2, Groups IIC, IIB, IIA
Class I, Div. 2, Groups A,B,C,D
Class II, Div. 2, Groups F,G
Class III
NEMA 4X, Oil Resistant

EEx d IIC Zone I
IP66, IP67 & IP68 (to a depth of 10m)
Shell/ERA Deluge test DT501 1991.
After 20 years simulated accelerated aging.

FEATURES-SPECIFICATIONS

Features

These cable glands are UL and CENELEC approved only for use with unarmored cables. The Barrier type cable gland comes complete with an epoxy putty-type compound to create an explosion proof or flameproof seal. The Barrier type cable gland incorporates an integral sealing chamber to allow for easy installation or servicing once the seal is completed.

The entry threads are nickel-plated for added protection against galvanic corrosion.

TECHNICAL DATA	
Type	PXSS2K
UL Listing File	E201187
Design Specification	UL 2225, UL 886, UL 514B
Ingress Protection	NEMA 4, Oil Resistant II
Connector Material	Brass (Other materials available)
Connector Finish	Brass with Nickel Plated Brass Entry. Component as Standard
Seal/Compound Material	Epoxy Putty & LSF Elastomer
Cable Type	Unarmored, Tray & Shipboard Cable
Sealing Technique	Displacement Seal Concept
Sealing Areas	Inner Compound Barrier & Outer Sheath
Optional Accessories See pages F93-F95	Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

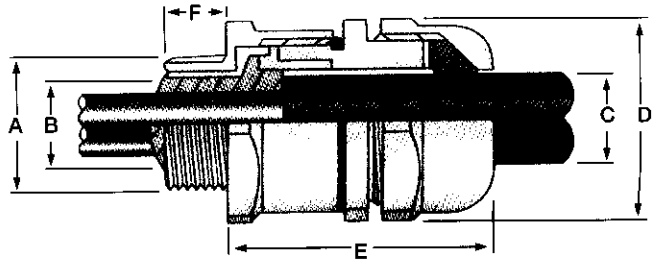
PXSS2K TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

C ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	B MAXIMUM DIA. OVER CONDUCTORS	D ACROSS CORNERS ØE	E APPROX ASSEMBLED LENGTH	C CABLE DIA.	
						MIN	MAX
1/2"	20	CGBP-BNA-15 D 050NPT	0.508	1.311	1.862	0.256	0.547
3/4"	25	CGBP-BNA-15 E 075NPT	0.705	1.570	2.051	0.437	0.783
1"	32	CGBP-BNA-15 F 100NPT	0.941	1.791	2.102	0.699	1.031
1-1/4"	40	CGBP-BNA-15 G 125NPT	1.193	2.181	2.165	0.866	1.264
1-1/2"	50S	CGBP-BNA-15 H 150NPT	1.453	2.402	2.299	1.161	1.500
2"	50	CGBP-BNA-15 I 200NPT	1.626	3.839	2.382	1.402	1.732
2"	63S	CGBP-BNA-15 J 200NPT	1.898	3.055	2.516	1.579	1.965
2-1/2"	63	CGBP-BNA-15 K 250NPT	2.126	3.492	2.449	1.858	2.201
2-1/2"	75S	CGBP-BNA-15 L 250NPT	2.370	3.492	2.697	2.079	2.437
3"	75	CGBP-BNA-15 M 300NPT	2.543	4.146	2.693	2.327	2.673
3"	90	CGBP-BNA-15 N 300NPT	2.976	4.713	3.339	2.622	3.122

PXSS2K TYPE METRIC ENTRY GLAND† - DIMENSIONS IN MILLIMETERS

A ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	B MAXIMUM DIA. OVER CONDUCTORS	D ACROSS CORNERS ØE	E APPROX ASSEMBLED LENGTH	C CABLE DIA.	
						MIN	MAX
M20	20	CGBP-BNA-15 D M20	12.9	33.3	47.2	6.5	13.9
M25	25	CGBP-BNA-15 E M25	17.9	39.9	52.0	11.1	19.9
M32	32	CGBP-BNA-15 F M32	23.9	45.5	53.3	17.8	26.2
M40	40	CGBP-BNA-15 G M40	30.3	55.4	55.0	22.0	32.1
M50	50S	CGBP-BNA-15 H M50	36.9	61.0	58.4	29.5	38.1
M50	50	CGBP-BNA-15 I M50	41.3	97.5	60.5	35.6	44.0
M63	63S	CGBP-BNA-15 J M63	48.2	77.6	63.9	40.1	50.0
M63	63	CGBP-BNA-15 K M63	54.0	63.3	62.2	42.7	55.9
M75	75S	CGBP-BNA-15 L M75	60.2	88.7	68.5	52.8	61.9
M75	75	CGBP-BNA-15 M M75	64.6	105.3	68.4	59.1	67.9
M90	90	CGBP-BNA-15 N M90	75.6	119.3	84.8	66.6	79.3

†Increased metric thread engagement is required for Gas Groups A and B. Please specify gas group, thread form and size required when ordering.



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KILLARK®

ZE267

ZE235

Class I, Div. 1 & 2, Groups A,B,C,D
Class I, Zone I, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

FEATURES-SPECIFICATIONS

Application
When using flexibe cord in hazardous locations, refer to the National Electrical Code (Articles 501, 502, 503, & 501-11) for specific suitability.

Material/Finish
Sealing Fitting

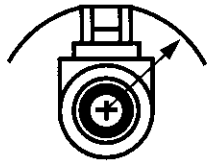
- Copper-free aluminum (less than 4/10 of 1%) Electostatically applied powder coating

Cord Connector

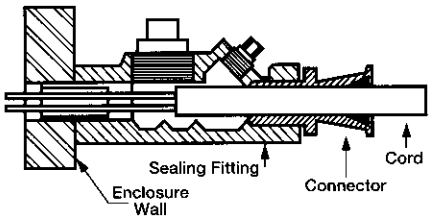
- Aluminum
- Natural finish

ZE CONNECTORS

CATALOG NUMBER	NTP SIZE	CORD RANGE	COLOR CODE	OVERALL LENGTH	TURNING RADIUS
ZE123	1/2"	.250-.375	White	5-9/16"	1-9/16"
ZE135	1/2"	.375-.500	Blue	5-9/16"	1-9/16"
ZE156	1/2"	.500-.625	Brown	5-9/16"	1-9/16"
ZE167	1/2"	.625-.750	Yellow	5-9/16"	1-9/16"
ZE223	3/4"	.250-.375	White	5-3/4"	1-3/4"
ZE235	3/4"	.375-.500	Blue	5-3/4"	1-3/4"
ZE256	3/4"	.500-.625	Brown	5-3/4"	1-3/4"
ZE267	3/4"	.625-.750	Yellow	5-15/16"	1-3/4"
ZE278	3/4"	.750-.875	Purple	5-15/16"	1-3/4"



Typical Installation



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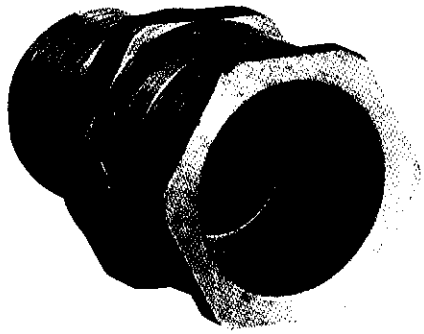


Ex d(e) IIC
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class I, Div. 2, Groups A,B,C,D
Class II, Div. 2, Groups E,F,G
Class III
CSA Enclosures 4X

EEx d(e) IIC T6
IP66, IP67, & IP68 (To a depth of 10m)

FEATURES-SPECIFICATIONS

Features

These cable glands are intended for use with unarmored cables. The single displacement seal provides a flameproof seal with flameproof or explosion proof enclosures with an internal volume less than 2 liters when used with appropriate cables.

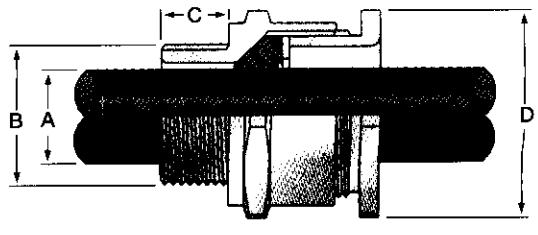
TECHNICAL DATA	
Type	A2F
Design Specification	BS6121
Compliance Code	EN50014, EN50018 & EN50019
Certification	BAS Ex94C1293U
Continuous Operating Temperature Range	-60°C to + 130°C
Ingress Protection	IP66, IP67 & IP68 (10m depth)
Deluge Protection	To DTS 01:91
Gland Material	Brass
Seal Material	LSF Thermoplastic Elastomer
Cable Type	Unarmored
Sealing Technique	Displacement Seal Concept
Sealing Area(s)	Outer Sheath
Optional Accessories See pages F93-F95	Shroud, Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

A2F TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

B ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	C MIN. THREAD LENGTH	A CABLE DIA MIN	A CABLE DIA MAX	D ACROSS CORNERS DIA MAX
1/2"	20/16	CGUA-CNA-10 B 050NPT	0.591	0.122	0.339	0.961
1/2"	20S	CGUA-CNA-10 C 050NPT	0.591	0.240	0.457	1.047
1/2"	20	CGUA-CNA-10 D 050NPT	0.591	0.256	0.547	1.311
3/4"	25	CGUA-CNA-10 E 075NPT	0.591	0.437	0.783	1.594
1"	32	CGUA-CNA-10 F 100NPT	0.591	0.669	1.031	2.008
1-1/4"	40	CGUA-CNA-10 G 125NPT	0.591	0.866	1.264	2.402
1-1/2"	50S	CGUA-CNA-10 H 150NPT	0.591	1.161	1.500	2.618
2"	50	CGUA-CNA-10 I 200NPT	0.591	1.402	1.732	3.094
2"	63S	CGUA-CNA-10 J 200NPT	0.591	1.579	1.965	3.276
2-1/2"	63	CGUA-CNA-10 K 250NPT	0.591	1.858	2.201	3.504
2-1/2"	75S	CGUA-CNA-10 L 250NPT	0.591	2.079	2.437	4.000
3"	75	CGUA-CNA-10 M 300NPT	0.591	2.327	2.673	4.374
3"	90	CGUA-CNA-10 N 300NPT	0.591	2.622	3.122	5.063

A2F TYPE METRIC ENTRY GLAND - DIMENSIONS IN MILLIMETERS

B ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	C MIN. THREAD LENGTH	A CABLE DIA MIN	A CABLE DIA MAX	D ACROSS CORNERS DIA MAX
M20/16	20	CGUA-CNA-10 B M20	15	3.1	8.6	24.4
M20S	20	CGUA-CNA-10 C M20	15	6.1	11.6	26.5
M20	20	CGUA-CNA-10 D M20	15	6.5	13.9	30.0
M25	25	CGUA-CNA-10 E M25	15	11.1	19.9	39.9
M32	32	CGUA-CNA-10 F M32	15	17.0	26.2	45.5
M40	40	CGUA-CNA-10 G M40	15	22.0	32.1	55.4
M50	50S	CGUA-CNA-10 H M50	15	29.5	38.1	61.0
M50	50	CGUA-CNA-10 I M50	15	35.6	44.0	66.5
M63	63S	CGUA-CNA-10 J M63	15	40.1	49.9	77.6
M63	63	CGUA-CNA-10 K M63	15	47.2	55.9	83.2
M75	75S	CGUA-CNA-10 L M75	15	52.8	61.9	88.7
M75	75	CGUA-CNA-10 M M75	15	59.1	67.9	94.2
M90	90	CGUA-CNA-10 N M90	15	66.6	79.3	120.7



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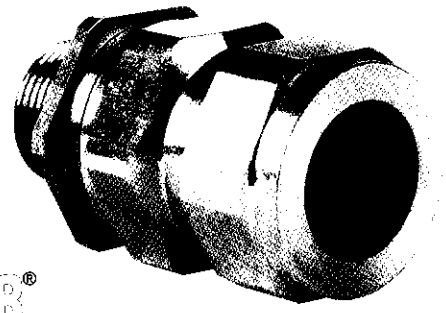


CLENCHER® 2000

MCR

NEC Class I, Div. 2†, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zone 2†

CEC Class I, Div. 2†, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zones 1 & 2†
(Class I Zone 1 & 2 Exe)

Types 3, 4, 4X

FEATURES-SPECIFICATIONS

Applications
For use with jacketed metal clad cable having interlocked or corrugated armor where it is essential to provide positive grounding of cable armor and a NEMA 3, 4, 4X connection. Example: TEC or MC-HL type cable.

Features
The MCR connectors are designed for the termination leave in continuous corrugated or interlocked armor cables. These designs provide an easy, fast and safe method of installation and have many notable features:

- Heavy duty nickel plated brass construction giving superior corrosion protection in both normal and hostile environments
- Sure-tite 'O' ring feature to prevent the ingress of moisture thereby eliminating armor corrosion
- Cable jacket seal and Sure-tite 'O' ring seal provide a NEMA 3, 4, 4X rating
- Short circuit tested at 1180 amps for 4 seconds in accordance with UL-514B
- Corrosion tested to UL-50
- Exceptionally compact design
- Stainless steel compression spring gives positive electrical connection as well as superb retention in excess of UL/CSA requirements
- Uniform hexagon profile

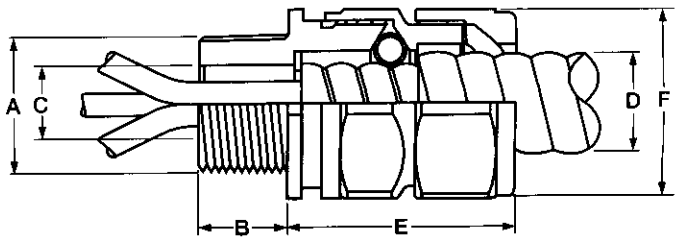
Materials
- Nickel plated brass components
- Stainless steel spring
- LSF Elastomer jacket seal
- Nitrile/Viton Sure-tite 'O' ring
- Nylon 6 end stop and skid washer

MCR NICKEL PLATED BRASS CABLE CONNECTORS

CATALOG NUMBER	NPT SIZE 'A'	THREAD LENGTH 'B'	CABLE ARMOR DIAMETER 'C'				CABLE JACKET DIAMETER 'D'		ASSEMBLED LENGTH 'E'	ENVELOPE DIAMETER 'F'
			END STOP IN		END STOP OUT					
			MIN	MAX	MIN	MAX	MIN	MAX	MCR	
MCR050	1/2"	0.65	—	—	0.510	0.669	0.550	0.787	2.20	1.57
MCR075	3/4"	0.65	0.591	0.756	0.756	0.917	0.669	1.035	2.20	1.79
MCR100	1"	0.82	0.907	0.969	0.969	1.150	1.050	1.268	2.24	2.18
MCR125	1-1/4"	0.84	1.083	1.228	1.228	1.386	1.161	1.504	2.24	2.40
MCR150	1-1/2"	0.85	1.320	1.461	1.461	1.618	1.402	1.736	2.37	2.62
MCR205	2"	0.89	1.508	1.677	1.677	1.854	1.579	2.008	2.58	3.06
MCR200	2"	0.89	1.772	1.933	1.933	2.087	1.858	2.205	2.49	3.28
MCR255	2-1/2"	1.33	2.052	2.161	2.161	2.320	2.079	2.441	2.50	3.49
MCR250	2-1/2"	1.33	2.247	2.406	2.406	2.545	2.327	2.677	2.52	3.93
MCR300	3"	1.39	2.543	2.776	2.776	2.965	2.622	3.126	3.57	4.80
MCR350	3-1/2"	1.44	2.913	3.291	3.291	3.485	2.992	3.827	3.82	5.82

Cable armor diameter and cable jacket diameter refer to the dimensions across the crest - all dimensions in inches.

† Where explosion proof/flameproof enclosures are being used the MCR must be installed in conjunction with an approved sealing fitting. In Division 2 areas the MCR can be fitted directly to an enclosure which has no source of ignition.



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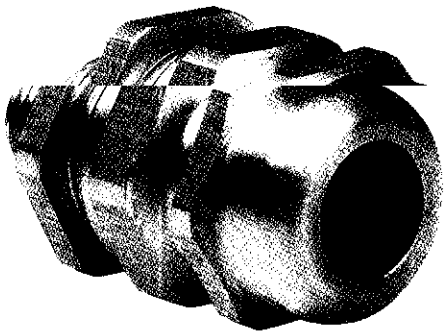
CLENCHER® 2000



MCRA

NEC Class I, Div. 2†, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zone 2†

CEC Class I, Div. 2†, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zones 1 & 2†
(Class I Zone 1 & 2 Exe)

Types 3, 4, 4X

FEATURES-SPECIFICATIONS

Applications

Designed for use with jacketed interlocked and continuously welded/corrugated armor cable where it is essential to provide positive grounding of cable armor and a NEMA 3, 4, 4X connection. e.g. TEC® or MC-HL type cable.

Features

MCRA connectors are designed for the termination of interlocked and continuous corrugated armor cables. These designs provide an easy, fast and safe method of installation which have many notable features:

- Aluminum construction giving superior corrosion protection in normal, hostile and Hazardous (Classified) Location
- Integral "O" ring feature prevents the ingress of moisture thereby eliminating armor corrosion
- Cable jacket seal and Sure-tite "O" ring seal provide a NEMA 3, 4, 4X rating
- Compact slim design
- Stainless steel compression spring gives positive 360° grounding as well as superior pull out prevention
- Short circuit tested at 1180 amps for 4 seconds in accordance with UL-514B
- Corrosion tested to UL-50
- Uniform hexagon profile
- Reduced installation time - (No disassemble required)
- Only 13 connector sizes
- Re-usable design

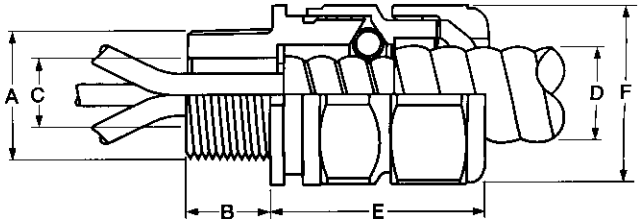
Materials

- Copper free aluminum (less than 4/10 of 1%)
- Stainless steel spring
- LSF Elastomer jacket seal
- Nitrile/Viton Sure-tite 'O' ring
- Nylon 6 end stop and skid washer

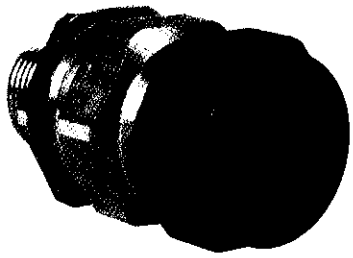
MCR ALUMINUM CABLE CONNECTORS

CATALOG NUMBER	ENTRY THREAD 'A'	MIN. THREAD LENGTH 'B'	CABLE ARMOR DIAMETER 'C'				CABLE JACKET DIAMETER 'D'		NOMINAL ASSEMBLY LENGTH 'E'	ENVELOPE DIAMETER 'F'	SHROUD REFERENCE
			END STOP IN		END STOP OUT						
			MIN	MAX	MIN	MAX	MIN	MAX			
MCRA 05S	1/2" NPT	0.59	—	—	0.342	0.503	0.354	0.547	2.20	1.31	PVC06
MCRA 050	1/2" NPT	0.59	—	—	0.510	0.669	0.550	0.787	2.20	1.57	PVC09
MCRA 075	3/4"" NPT	0.59	0.591	0.756	0.756	0.917	0.669	1.035	2.20	1.79	PVC10
MCRA 100	1" NPT	0.63	0.825	0.969	0.969	1.150	0.910	1.268	2.24	2.18	PVC13
MCRA 125	1-1/4" NPT	0.63	1.083	1.228	1.228	1.386	1.161	1.504	2.24	2.40	PVC16
MCRA 150	1-1/2" NPT	0.63	1.320	1.461	1.461	1.618	1.402	1.736	2.37	2.62	PVC18
MCRA 20S	2" NPT	0.63	1.508	1.677	1.677	1.854	1.579	2.008	2.58	3.06	PVC21
MCRA 200	2" NPT	0.63	1.772	1.933	1.933	2.087	1.858	2.205	2.49	3.28	PVC24
MCRA 25S	2-1/2" NPT	0.90	2.052	2.161	2.161	2.320	2.079	2.441	2.50	3.49	PVC25
MCRA 250	2-1/2" NPT	0.90	2.247	2.406	2.406	2.545	2.327	2.677	2.52	3.71	PVC27
MCRA 300	3" NPT	0.98	2.543	2.776	2.776	2.965	2.622	3.126	3.57	4.80	PVC32
MCRA 350	3-1/2" NPT	1.437	2.913	3.291	3.291	3.485	2.992	3.827	4.61	5.82	—
MCRA 400	4" NPT	1.437	2.913	3.291	3.291	3.485	2.992	3.827	4.61	5.82	—

Cable armor diameter and cable jacket diameter refer to the dimensions across the crest - all dimensions in inches.
† Where explosion proof/flameproof enclosures are being used the MCR must be installed in conjunction with an approved sealing fitting. In Division 2 areas the MCR can be fitted directly to an enclosure which has no source of ignition.



HUBBELL®
KILLARK®



MCX

NEC Class I, Div. 1 & 2, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zones 1 & 2, Group IIC
(Class I Zone 1 AEx d IIC)

CEC Class I, Div. 1 & 2, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zones 1 & 2, Group IIC
(Class I Zone 1 Ex de IIC)

Types 3, 4, 4X

FEATURES-SPECIFICATIONS

MCX Applications

For use with jacketed metal clad cable having interlocked or continuous corrugated armor where it is essential to seal the cable cores against explosion transmission, and to provide positive grounding of cable armor along with a NEMA 3, 4, 4X connection. Example: TEC or MC-HL type cable.

Features

The MCX connectors are designed for the termination of continuous corrugated and interlocked armor cables. These designs provide an easy, fast and safe method of installation and have many notable features:

- Heavy duty nickel plated brass construction giving superior corrosion protection in both normal and hostile environments
- MCX design permits disconnectability without disturbing the explosion proof compound seal
- MCX disconnectable design provides for ease of installation, maintenance and inspection
- Sure-tite 'O' ring feature to prevent the ingress of moisture thereby eliminating armor corrosion
- Short circuit tested at 1180 amps for 4 seconds in accordance with UL-514B
- Corrosion tested to UL-50
- Cable jacket seal and Sure-tite 'O' ring seal provide a NEMA 3, 4, 4X rating
- Exceptionally compact design
- Stainless steel compression spring gives positive electrical connection as well as superb retention in excess of UL/CSA requirements
- Uniform hexagon profile

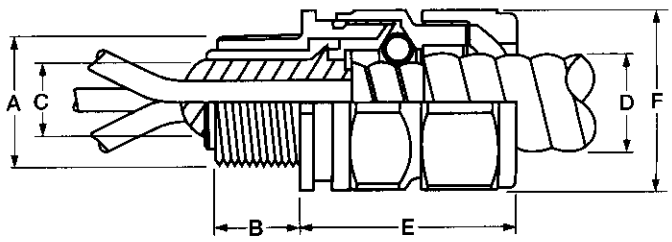
Materials

- Nickel plated brass components
- Stainless steel spring
- LSF Elastomer jacket seal
- Nitrile/Viton Sure-tite 'O' ring
- Nylon 6 end stop and skid washer

MCR NICKEL PLATED BRASS CABLE CONNECTORS

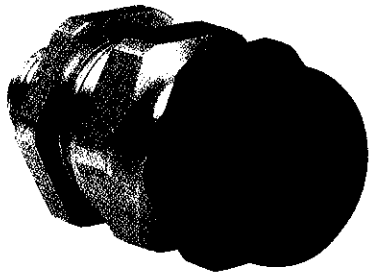
CATALOG NUMBER	NPT SIZE 'A'	THREAD LENGTH 'B'	CABLE ARMOR DIAMETER 'C'				CABLE JACKET DIAMETER 'D'		ASSEMBLED LENGTH 'E'	ENVELOPE DIAMETER 'F'	COMPOUND WEIGHT IN GRAMS
			END STOP IN		END STOP OUT						
			MIN	MAX	MIN	MAX	MIN	MAX	MCX		
MCX050	1/2"	0.65	—	—	0.510	0.669	0.550	0.787	2.20	1.57	15
MCX075	3/4"	0.65	0.591	0.756	0.756	0.917	0.669	1.035	2.20	1.79	15
MCX100	1"	0.82	0.907	0.969	0.969	1.150	1.050	1.268	2.24	2.18	35
MCX125	1-1/4"	0.84	1.083	1.228	1.228	1.386	1.161	1.504	2.24	2.40	35
MCX150	1-1/2"	0.85	1.320	1.461	1.461	1.618	1.402	1.736	2.37	2.62	55
MCX20S	2"	0.89	1.508	1.677	1.677	1.854	1.579	2.008	2.60	3.06	90
MCX200	2"	0.89	1.772	1.933	1.933	2.087	1.858	2.205	2.81	3.28	135
MCX25S	2-1/2"	1.33	2.052	2.161	2.161	2.320	2.079	2.441	2.58	3.49	270
MCX250	2-1/2"	1.33	2.247	2.406	2.406	2.545	2.327	2.677	2.87	3.93	270
MCX300	3"	1.39	2.543	2.776	2.776	2.965	2.622	3.126	3.92	4.80	360
MCX350	3-1/2"	1.44	2.913	3.291	3.291	3.485	2.992	3.827	4.61	5.82	540

Cable armor diameter and cable jacket diameter refer to the dimensions across the crest - all dimensions in inches.



HUBBELL
KILLARK

CLENCHER® 2000



MCXA

NEC Class I, Div. 1 & 2, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zones 1 & 2, Group IIC
(Class I Zone 1 AEx d IIC)

CEC Class I, Div. 1 & 2, Groups A, B, C, D
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Class I, Zones 1 & 2, Group IIC
(Class I Zone 1 Ex de IIC)

Types 3, 4, 4X

FEATURES-SPECIFICATIONS

Applications

Designed for use with jacketed interlocked and continuously welded/corrugated armor cable where it is necessary to provide a complete gas block/explosion proof seal to the cable, plus a NEMA 3, 4, 4x connection. Example: TEC or MC-HL type cable.

Features

MCXA connectors are designed for the termination of interlocked and continuous corrugated armor cables. These designs provide an easy, fast and safe method of installation which have many notable features:

- Aluminum construction giving superior corrosion protection in both hostile and Hazardous (Classified) Location
- Integral "O" ring feature prevents the ingress of moisture thereby eliminating armor corrosion
- Cable jacket seal and Sure-tite "O" ring seal provide a NEMA 3, 4, 4X rating
- Compact slim design
- Stainless steel compression spring gives positive 360° grounding as well as superior pull out prevention.
- Short circuit tested at 1180 amps for 4 seconds in accordance with UL-514B
- Corrosion tested to UL-50
- Uniform hexagon profile
- Reduced installation time
- Only 13 connector sizes
- Supplied complete with epoxy sealing compound
- Disconnectable design

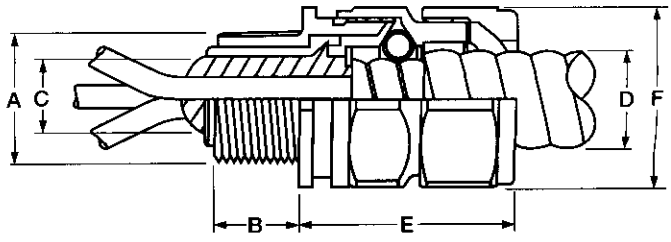
Materials

- Copper free aluminum (less than 4/10 of 1%)
- Stainless steel spring
- LSF Elastomer jacket seal
- Nitrile/Viton Sure-tite 'O' ring
- Nylon 6 end stop and skid washer

MCXA ALUMINUM CABLE CONNECTORS

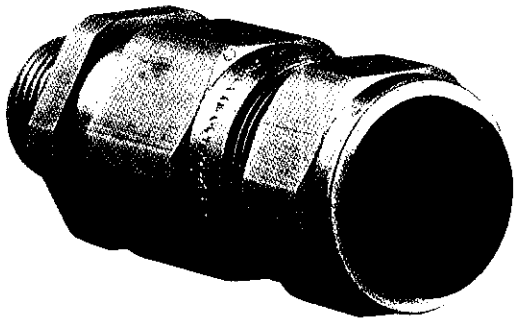
CATALOG NUMBER	ENTRY THREAD 'A'	MIN. THREAD LENGTH 'B'	CABLE ARMOR DIAMETER 'C'				CABLE JACKET DIAMETER 'D'		NOMINAL ASSEMBLY LENGTH 'E'	ENVELOPE DIAMETER 'F'	COMPOUND WEIGHT IN OZ'S	SHROUD REFERENCE
			END STOP IN		END STOP OUT							
			MIN	MAX	MIN	MAX	MIN	MAX				
MCXA 05S	1/2" NPT	0.59	—	—	0.342	0.503	0.354	0.547	1.93	1.31	1/2	PVC06
MCXA 050	1/2" NPT	0.59	—	—	0.510	0.669	0.550	0.787	2.20	1.57	1/2	PVC09
MCXA 075	3/4"" NPT	0.59	0.591	0.756	0.756	0.917	0.669	1.035	2.20	1.79	1/2	PVC10
MCXA 100	1" NPT	0.63	0.825	0.969	0.969	1.150	0.910	1.268	2.24	2.18	1-1/4	PVC13
MCXA 125	1-1/4" NPT	0.63	1.083	1.228	1.228	1.386	1.161	1.504	2.24	2.40	1-1/4	PVC16
MCXA 150	1-1/2" NPT	0.63	1.320	1.461	1.461	1.618	1.402	1.736	2.37	2.62	2	PVC18
MCXA 20S	2" NPT	0.63	1.508	1.677	1.677	1.854	1.579	2.008	2.60	3.06	3	PVC21
MCXA 200	2" NPT	0.63	1.772	1.933	1.933	2.087	1.858	2.205	2.81	3.28	4-3/4	PVC24
MCXA 25S	2-1/2" NPT	0.90	2.052	2.161	2.161	2.320	2.079	2.441	2.58	3.49	9-1/2	PVC25
MCXA 250	2-1/2" NPT	0.90	2.247	2.406	2.406	2.545	2.327	2.677	2.87	3.71	9-1/2	PVC27
MCXA 300	3" NPT	0.98	2.543	2.776	2.776	2.965	2.622	3.126	3.92	4.80	12-1/2	PVC32
MCXA 350	3-1/2" NPT	1.437	2.913	3.291	3.291	3.485	2.992	3.827	4.61	5.82	19	—
MCXA 400	4" NPT	1.437	2.913	3.291	3.291	3.485	2.992	3.827	4.61	5.82	19	—

Cable armor diameter and cable jacket diameter refer to the dimensions across the crest - all dimensions in inches.



HUBBELL® KILLARK®

CGDP SERIES • FITTINGS
BARRIER TYPE FOR USE WITH JACKETED ARMORED CABLES



Ex d IIC T6
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class I, Div. 1 & 2, Groups A,B,C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III
CSA Enclosures 4X

EEx d IIC
IP66, IP67, & IP68 (To a depth of 10m)

FEATURES-SPECIFICATIONS

Features

These cable glands are **CENELEC** and **CSA** approved for use with armored jacketed cables. The **universal style** accommodates Steel Tape armor, aluminum strip armor, steel wire armor or braided cables. The Barrier type cable gland comes complete with an epoxy putty-type compound to create an explosion proof or flameproof seal. The Barrier type cable gland incorporates an integral sealing chamber to allow for easy installation or servicing once the seal is completed. This type of gland is typically used with flameproof or explosion proof enclosures with a volume greater than 2 liters.

For optional plating, and special entry sizes, consult factory.

PX2K TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

C ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	D MINIMUM THREAD LENGTH	A MAXIMUM DIA OVER CONDUCTORS	ARMOUR WIRE DIA.	E ACROSS CORNERS DIA MAX	F APPROX ASSEMBLED LENGTH	B CABLE DIA.	
								MIN	MAX
1/2"	20S	CGDP-BUA-10 C 050NPT	0.591	0.409	0.035/0.049	1.047	2.209	0.374	0.626
1/2"	20	CGDP-BUA-10 D 050NPT	0.591	0.500	0.035/0.049	1.311	2.063	0.492	0.823
3/4"	25	CGDP-BUA-10 E 075NPT	0.591	0.724	0.049/0.063	1.594	2.323	0.669	1.031
1"	32	CGDP-BUA-10 F 100NPT	0.591	0.972	0.063/0.079	2.008	2.425	0.902	1.335
1-1/4"	40	CGDP-BUA-10 G 125NPT	0.591	1.205	0.063/0.079	2.402	2.496	1.024	1.591
1-1/2"	50S	CGDP-BUA-10 H 150NPT	0.591	1.441	0.079/0.098	2.618	2.933	1.378	1.839
2"	50	CGDP-BUA-10 I 200NPT	0.591	1.673	0.079/0.098	3.094	2.547	1.496	2.091
2"	63S	CGDP-BUA-10 J 200NPT	0.591	1.870	0.098	3.276	2.626	1.795	2.339
2-1/2"	63	CGDP-BUA-10 K 250NPT	0.591	2.102	0.098	3.504	2.902	2.150	2.563
2-1/2"	75S	CGDP-BUA-10 L 250NPT	0.591	2.339	0.098	4.000	3.110	2.244	2.839
3"	75	CGDP-BUA-10 M 300NPT	0.591	2.575	0.098	4.374	3.094	2.378	3.091
3"	90	CGDP-BUA-10 N 300NPT	0.591	3.122	0.124	5.063	3.094	2.724	3.543

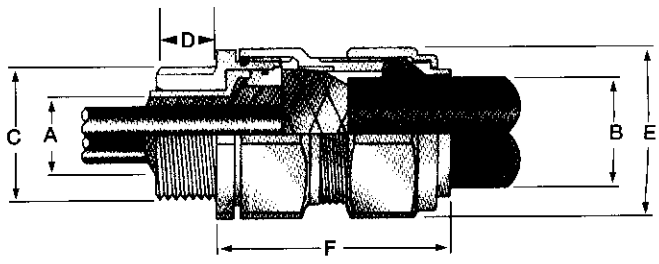
PX2K TYPE METRIC ENTRY GLAND† - DIMENSIONS IN MILLIMETERS

C ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	D MINIMUM THREAD LENGTH	A MAXIMUM DIA OVER CONDUCTORS	ARMOUR WIRE DIA.	E ACROSS CORNERS DIA MAX	F APPROX ASSEMBLED LENGTH	B CABLE DIA.	
								MIN	MAX
M20	20S	CGDP-BUA-10 C M20	15	10.4	0.9/1.25	26.6	56.1	9.5	15.9
M20	20	CGDP-BUA-10 D M20	15	12.7	0.9/1.25	33.3	52.4	12.5	20.9
M25	25	CGDP-BUA-10 E M25	15	18.4	1.25/1.6	40.5	59.0	17.0	26.2
M32	32	CGDP-BUA-10 F M32	15	24.7	1.6/2.0	51.0	61.6	22.9	33.9
M40	40	CGDP-BUA-10 G M40	15	30.6	1.6/2.0	61.0	63.4	26.0	40.4
M50	50S	CGDP-BUA-10 H M50	15	36.6	2.0/2.5	66.5	74.5	35.0	46.7
M50	50	CGDP-BUA-10 I M50	15	42.5	2.0/2.5	78.6	64.7	38.0	53.1
M63	63S	CGDP-BUA-10 J M63	15	47.5	2.5	83.2	66.7	45.6	59.4
M63	63	CGDP-BUA-10 K M63	15	53.4	2.5	89.0	73.7	54.6	65.1
M75	75S	CGDP-BUA-10 L M75	15	59.4	2.5	101.6	79.0	57.0	72.1
M75	75	CGDP-BUA-10 M M75	15	65.4	2.5/3.15	111.1	78.6	60.4	78.5
M90	90	CGDP-BUA-10 N M90	20	79.3	3.15	128.6	78.6	69.2	90.4

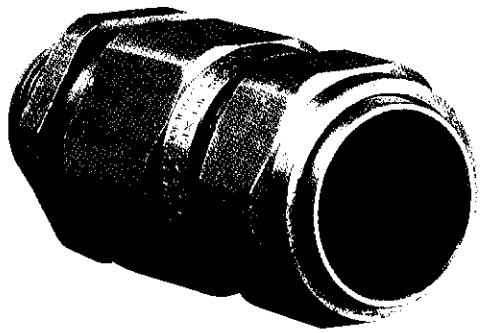
†For IP67 & IP68 requirements the cable diameter 'B' (minimum value) shown above should be increased by 1.0mm to ensure compliance.

TECHNICAL DATA

Type	PX2K
Design Specifications	BS 6121 : Part 1 : 1989
Compliance Code	EN50014, EN50018
Continuous Operating Temperature Range	-20°C to + 100°C
Deluge Protection	To DTS 01 : 1991
Gland Material	Brass
Seal/Compound Material	LSF Thermoplastic Elastomer & Epoxy Putty
Cable Type	S.W.A., S.T.A. or Wire Braid Armor
Sealing Technique	Displacement Seal Concept
Armor Termination	4 Part Armor Lock
Sealing Area(s)	Inner Compound Barrier & Outer Sheath
Optional Accessories See pages F93-F95	Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer



HUBBELL
KILLARK



Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class I, Div. 1 & 2, Groups A,B,C,D
Class II, Div. 1 & 2, Groups F,G
Class III
NEMA 4X, Oil Resistant II
IP66, IP67 & IP68
(to a depth of 10m). Shell / ERA Deluge test DTS01 1991.
After 20 years simulated accelerated aging

FEATURES-SPECIFICATIONS

Features

These cable glands are UL approved for use with braided armored & jacketed cables only. This gland accommodates braided armored & jacketed cables only.

The Barrier type cable gland comes complete with an epoxy putty-type compound to create an explosion proof or flameproof seal. The Barrier type cable gland incorporates an integral sealing chamber to allow for easy installation or servicing once the seal is completed. This type of gland is typically used with flameproof or explosion proof enclosures with a volume greater than 2 liters. The entry threads are nickel-plated for added protection against galvanic corrosion.

For optional plating, and special entry sizes, consult factory

TECHNICAL DATA	
Type	PX2KX
UL Listing File	EI61256
Design Specification	UL 2225, UL 886, UL 514B
Ingress Protection	NEMA 4, Oil Resistant II
Connector Material	Brass
Connector Finish	Brass with Nickel Plated Brass Entry. Component as Standard
Seal/Compound Material	Epoxy Putty & LSF Elastomer
Cable Type	Braid Armor & Jacketed
Armor Termination	4 part Armor lock
Sealing Technique	Displacement Seal Concept
Sealing Area	Inner Compound Barrier & Outer Sheath
Optional Accessories See pages F93-F95	Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

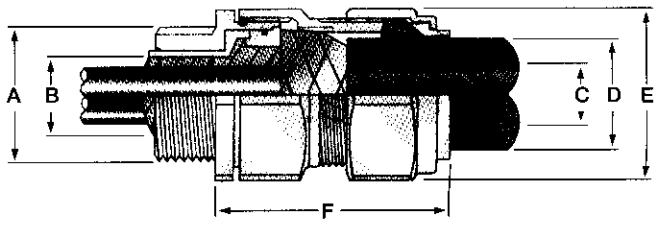
PX2KX TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

A ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	B MAX DIA. OVER CONDUCTORS	C MAXIMUM DIA. UNDER ARMOUR	E ACROSS DIA. CORNERS ØE	F APPROX ASSEMBLED LENGTH	D CABLE DIA. MIN	D CABLE DIA. MAX
1/2"	20S	CGAP-BXJ-15 C 050NPT	0.457	0.457	1.311	2.209	0.374	0.626
1/2"	20	CGAP-BXJ-15 D 050NPT	0.508	0.547	1.311	2.063	0.512	0.823
3/4"	25	CGAP-BXJ-15 E 075NPT	0.705	0.783	1.594	2.323	0.709	1.031
1"	32	CGAP-BXJ-15 F 100NPT	0.941	1.031	2.008	2.425	0.941	1.335
1-1/4"	40	CGAP-BXJ-15 G 125NPT	1.193	1.264	2.400	2.496	1.063	1.591
1-1/2"	50S	CGAP-BXJ-15 H 150NPT	1.453	1.500	2.619	2.933	1.378	1.839
2"	50	CGAP-BXJ-15 I 200NPT	1.626	1.732	3.059	2.547	1.496	2.091
2"	63S	CGAP-BXJ-15 J 200NPT	1.898	1.969	3.273	2.626	1.835	2.339
2-1/2"	63	CGAP-BXJ-15 K 250NPT	2.126	2.201	3.491	2.902	2.189	2.594
2-1/2"	75S	CGAP-BXJ-15 L 250NPT	2.370	2.437	3.928	3.110	2.283	2.839
3"	75	CGAP-BXJ-15 M 300NPT	2.543	2.673	4.364	3.094	2.417	3.091

PX2KX TYPE METRIC ENTRY GLAND† - DIMENSIONS IN MILLIMETERS

A ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	B MAX DIA. OVER CONDUCTORS	C MAXIMUM DIA. UNDER ARMOR	E ACROSS DIA. CORNERS ØE	F APPROX ASSEMBLED LENGTH	D CABLE DIA. MIN	D CABLE DIA. MAX
M20	20S	CGAP-BXJ-15 C M20	11.6	11.6	33.3	56.1	9.5	15.9
M20	20	CGAP-BXJ-15 D M20	12.9	13.9	33.3	52.4	13.0	20.9
M25	25	CGAP-BXJ-15 E M25	17.9	19.9	40.5	59.0	18.0	26.2
M32	32	CGAP-BXJ-15 F M32	23.9	26.2	51.0	61.6	23.9	33.9
M40	40	CGAP-BXJ-15 G M40	30.3	32.1	61.0	63.4	27.0	40.4
M50	50S	CGAP-BXJ-15 H M50	36.9	38.1	66.5	74.5	35.0	46.7
M50	50	CGAP-BXJ-15 I M50	41.3	44.0	77.7	64.7	38.0	53.1
M63	63S	CGAP-BXJ-15 J M63	48.2	50.0	83.1	66.7	46.6	59.4
M63	63	CGAP-BXJ-15 K M63	54.0	55.9	88.7	73.7	56.0	65.9
M75	75S	CGAP-BXJ-15 L M75	60.2	61.9	99.8	79.0	58.0	72.1
M75	75	CGAP-BXJ-15 M M75	64.6	67.9	110.8	78.6	61.4	78.5

† Increased metric thread engagement is required for Gas Groups A and B. Please specify gas group, thread form and size required when ordering.



HUBBELL
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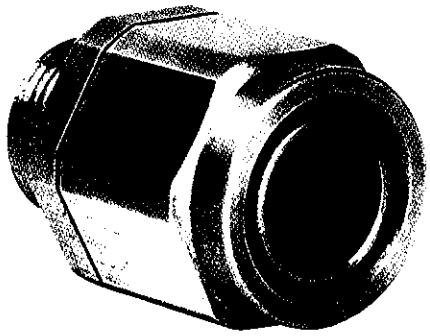
CGBP SERIES • FITTINGS
BARRIER TYPE FOR BRAIDED ARMORED, UN-JACKETED CABLES



Class I, Zone 2, Groups IIC, IIB, IIA
Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1 & 2, Groups F,G
Class III
NEMA 4X, Oil Resistant II

FEATURES-SPECIFICATIONS

Features

These cable glands are UL approved only for use with unjacketed braided cables. The Barrier type cable gland comes complete with an epoxy putty-type compound to create an explosion proof or flameproof seal. The Barrier type cable gland incorporates an integral sealing chamber to allow for easy installation or servicing once the seal is completed.This series provides clamping of the armor for electrical continuity and mechanical retention of the cable. The entry threads are nickel-plated for added protection against galvanic corrosion.

TECHNICAL DATA	
Type	PXB2KX
UL Listing File	E201187
Design Specification	UL 2225, UL 886, UL 514B
Ingress Protection	NEMA 4, Oil Resistant II
Connector Material	Brass (Other materials available)
Connector Finish	Brass with Nickel Plated Brass Entry. Component as Standard
Compound Material	Epoxy Putty
Cable Type	Braid Armor or Armored & Jacketed
Armor Termination	4 part Armor lock
Sealing Area	Compound Barrier to Inner Cable Cores
Optional Accessories See pages F93-F95	Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

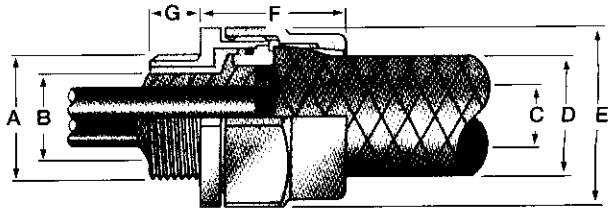
PXB2KX TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

A ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	B MAX DIA. OVER CONDUCTORS	C MAXIMUM DIA. UNDER ARMOR	E ACROSS CORNERS ØE	F APPROX ASSEMBLED LENGTH	D MAX DIA. OVER ARMOR
1/2"	20S	CGBP-BXN-15 C 050NPT	0.457	0.457	1.311	1.370	0.575
1/2"	20	CGBP-BXN-15 D 050NPT	0.508	0.547	1.311	1.299	0.736
3/4"	25	CGBP-BXN-15 E 075NPT	0.705	0.783	1.594	1.421	1.004
1"	32	CGBP-BXN-15 F 100NPT	0.941	1.031	2.008	1.642	1.236
1-1/4"	40	CGBP-BXN-15 G 125NPT	1.193	1.264	2.400	1.709	1.567
1-1/2"	50S	CGBP-BXN-15 H 150NPT	1.453	1.500	2.619	1.768	1.858
2"	50	CGBP-BXN-15 I 200NPT	1.626	1.732	3.059	1.902	2.091
2"	63S	CGBP-BXN-15 J 200NPT	1.898	1.965	3.273	1.992	2.315
2-1/2"	63	CGBP-BXN-15 K 250NPT	2.126	2.201	3.491	1.713	2.528
2-1/2"	75S	CGBP-BXN-15 L 250NPT	2.370	2.437	3.928	2.339	2.815
3"	75	CGBP-BXN-15 M 300NPT	2.543	2.673	4.364	2.413	3.067
3"	90	CGBP-BXN-15 N 300NPT	2.976	3.122	5.019	2.531	3.500

PXB2KX TYPE METRIC ENTRY GLAND† - DIMENSIONS IN MILLIMETERS

A ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	B MAX DIA. OVER CONDUCTORS	C MAXIMUM DIA. OVER UNDER ARMOR	E ACROSS CORNERS ØE	F APPROX ASSEMBLED LENGTH	D MAX DIA. OVER ARMOR
M20	20S	CGBP-BXN-15 C M20	11.6	11.6	33.3	34.8	14.6
M20	20	CGBP-BXN-15 D M20	12.9	13.9	33.3	33.0	18.6
M25	25	CGBP-BXN-15 E M25	17.9	19.9	40.5	36.1	25.5
M32	32	CGBP-BXN-15 F M32	23.9	26.2	51.0	41.7	31.4
M40	40	CGBP-BXN-15 G M40	30.3	32.1	61.0	43.4	39.8
M50	50S	CGBP-BXN-15 H M50	36.9	38.1	66.5	44.9	47.2
M50	50	CGBP-BXN-15 I M50	41.3	44.0	77.7	48.3	51.3
M63	63S	CGBP-BXN-15 J M63	48.2	50.0	83.1	50.6	58.8
M63	63	CGBP-BXN-15 K M63	54.0	55.9	88.7	43.5	64.2
M75	75S	CGBP-BXN-15 L M75	60.1	61.0	99.8	60.9	71.5
M75	75	CGBP-BXN-15 M M75	64.6	67.9	110.8	61.3	77.9
M90	90	CGBP-BXN-15 N M90	75.6	79.3	127.4	64.3	88.9

† Increased metric thread engagement is required for Gas Groups A and B.
Please specify gas group, thread form and size required when ordering.



HUBBELL
KILLARK®

Ex d(e) IIC
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class I, Div. 2, Groups A,B,C,D
Class II, Div. 2, Groups E,F,G
Class III
CSA Enclosures 4X

EEx d(e) IIC T6
IP66, IP67, & IP68 (To a depth of 10m)

FEATURES-SPECIFICATIONS

Features

These cable glands are intended for use with armored and jacketed cables. The **universal style** accommodates Steel Tape armor, aluminum/steel tape armor, steel wire armor or braided cables. The double displacement seal provides a flameproof seal with flameproof or explosion proof enclosures with an internal volume less than 2 liters when used with appropriate cables.

TECHNICAL DATA	
Type	P2K (P2KPB for Lead Sheathed Cables)
Design Specifications	BS 6121
Compliance Code	EN50014, EN50018 & EN50019
UK Certification	BAS 96D1508U
CSA Certification	LR 113642-1 (Exd IIC & Exe II, Enclosure Type 4X)
Continuous Operating Temperature Range	-60°C to +130°C
Ingress Protection	IP66, IP67 & IP68 (To a depth of 10M)
Deluge Protection	To DTS 01 : 1991
Gland Material	Brass
Seal Material	LSF Thermoplastic Elastomer
Cable Type	S.W.A., S.T.A. & Wire Braid
Sealing Technique	Displacement Seal Concept
Armor Termination	Universal Multiple Armor Clamp
Sealing Area(s)	Inner & Outer Sheath
Optional Accessories See pages F93-F95	Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

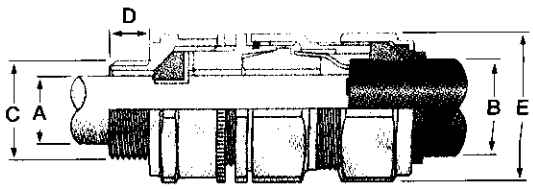
P2K TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

C ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	D MINIMUM THREAD LENGTH	A CABLE DIA OVER		ARMOR RANGE				B CABLE DIA OVER	
						GROOVED CONE		PLAIN CONE			
				MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1/2"	20/16	CGUP-CUA-10 B 050NPT	0.591	0.122	0.339	0	0.39	0	0.39	0.236	0.528
1/2"	20S	CGUP-CUA-10 C 050NPT	0.591	0.240	0.457	0	0.39	0	0.39	0.374	0.626
1/2"	20	CGUP-CUA-10 D 050NPT	0.591	0.256	0.547	0	0.39	0	0.39	0.492	0.823
3/4"	25	CGUP-CUA-10 E 075NPT	0.591	0.437	0.783	0	0.39	0	0.39	0.669	1.031
1"	32	CGUP-CUA-10 F 100NPT	0.591	0.669	1.031	0	0.39	0	0.39	0.902	1.335
1-1/4"	40	CGUP-CUA-10 G 125NPT	0.591	0.866	1.264	0	0.39	0	0.39	1.024	1.591
1-1/2"	50S	CGUP-CUA-10 H 150NPT	0.591	1.161	1.500	0	0.39	0	0.39	1.378	1.839
2"	50	CGUP-CUA-10 I 200NPT	0.591	1.402	1.732	0	0.39	0	0.39	1.496	2.091
2"	63S	CGUP-CUA-10 J 200NPT	0.591	1.579	1.965	0	0.39	0	0.39	1.795	2.339
2-1/2"	63	CGUP-CUA-10 K 250NPT	0.591	1.858	2.201	0	0.39	0	0.39	2.150	2.594
2-1/2"	75S	CGUP-CUA-10 L 250NPT	0.591	2.079	2.437	0	0.39	0	0.39	2.244	2.839
3"	75	CGUP-CUA-10 M 300NPT	0.591	2.327	2.673	0	0.39	0	0.39	2.378	3.091
3-1/2"	90	CGUP-CUA-10 N 350NPT	0.591	2.655	3.122	0	0.39	0	0.39	2.724	3.559

P2K TYPE METRIC ENTRY GLAND† - DIMENSIONS IN MILLIMETERS

C ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	D MINIMUM THREAD LENGTH	A CABLE DIA OVER		ARMOR RANGE				B CABLE DIA OVER	
						GROOVED CONE		PLAIN CONE			
				MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
M20	20/16	CGUP-CUA-10 B M20	15	3.1	8.6	0	1.0	0.9	1.0	6.0	13.4
M20	20S	CGUP-CUA-10 C M20	15	6.1	11.6	0	1.0	0.9	1.0	9.5	15.9
M20	20	CGUP-CUA-10 D M20	15	6.56	13.9	0	1.0	0.9	1.0	12.5	20.9
M20	25	CGUP-CUA-10 E M25	15	11.1	19.9	0	1.0	1.5	1.6	17.0	26.2
M32	32	CGUP-CUA-10 F M32	15	17.0	26.2	0	1.0	0	1.0	22.9	33.9
M40	40	CGUP-CUA-10 G M40	15	22.0	32.1	0	1.0	0	1.0	26.0	40.4
M50	50S	CGUP-CUA-10 H M50	15	29.5	38.1	0	1.0	0	1.0	35.0	46.7
M50	50	CGUP-CUA-10 I M50	15	35.6	44.0	0	1.0	0	1.0	28.0	53.1
M63	63S	CGUP-CUA-10 J M63	15	40.1	49.9	0	1.0	0	1.0	45.6	59.4
M63	63	CGUP-CUA-10 K M63	15	47.2	55.9	0	1.0	0	1.0	54.6	65.9
M75	75S	CGUP-CUA-10 L M75	15	52.8	61.9	0	1.0	0	1.0	57.0	72.1
M75	75	CGUP-CUA-10 M M75	15	59.1	67.9	0	1.0	0	1.0	60.4	78.5
M90	90	CGUP-CUA-10 N M90	15	66.6	79.3	0	1.0	0	1.0	69.2	90.4

† For IP67 & IP68 requirements the cable diameter 'B' (minimum value) shown above should be increased by 1.0mm to ensure compliance.



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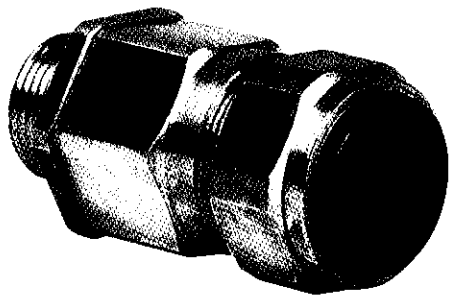
CGUE SERIES • FITTINGS
DOUBLE DISPLACEMENT SEAL
FOR USE WITH BRAIDED OR STEEL TAPE ARMOR & JACKETED CABLES



EEx d(e) IIC T6
IP66

FEATURES-SPECIFICATIONS

Features

These cable glands are intended for use with braided or steel tape armor (S.T.A.) and jacketed cables. The double displacement seal provides a flameproof seal with flameproof or explosion proof enclosures with an internal volume less than 2 liters when used with appropriate cables.

The gland also provides mechanical cable retension and electrical continuity via wire braid armor termination.

TECHNICAL DATA	
Type	EIFX/Z
Design Specification	BS6121 : Part 1 : 1989
Compliance Code	EN50014, EN50018 & EN50010
Certification	BAS Ex94C1293U
Continuous Operating Temperature Range	-60°C to + 130°C
Ingress Protection	IP66
Gland Material	Brass
Seal Material	LSF Thermoplastic Elastomer
Cable Type	Wire Braid or Steel Tape Armor
Armor Clamping	Three Part Armor Lock
Sealing Technique	Displacement Seal Concept
Sealing Area(s)	Inner & Outer Sheath
Optional Accessories See pages F93-F95	Shroud, Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

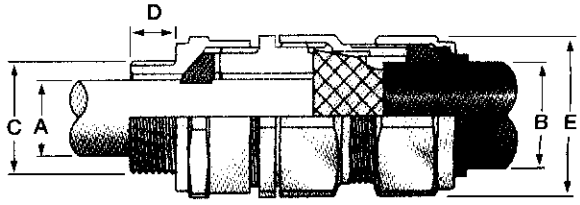
EIFX/Z TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

C ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	D MIN. THREAD LENGTH	A CABLE DIA		E ACROSS CORNERS DIA MAX	B CABLE DIA	
				MIN	MAX		MIN	MAX
1/2"	20/16	CGUE-CXJ-10 B 050NPT	0.591	0.122	0.339	0.961	0.236	0.528
1/2"	20S	CGUE-CXJ-10 C 050NPT	0.591	0.240	0.457	1.047	0.374	0.626
1/2"	20	CGUE-CXJ-10 D 050NPT	0.591	0.256	0.547	1.311	0.492	0.823
3/4"	25	CGUE-CXJ-10 E 075NPT	0.591	0.437	0.783	1.594	0.669	1.031
1"	32	CGUE-CXJ-10 F 100NPT	0.591	0.669	1.031	2.008	0.902	1.335
1-1/4"	40	CGUE-CXJ-10 G 125NPT	0.591	0.866	1.264	2.402	1.024	1.591
1-1/2"	50S	CGUE-CXJ-10 H 150NPT	0.591	1.161	1.500	2.618	1.378	1.839
2"	50	CGUE-CXJ-10 I 200NPT	0.591	1.402	1.732	3.094	1.496	2.091
2"	63S	CGUE-CXJ-10 J 200NPT	0.591	1.579	1.965	3.276	1.795	2.339
2-1/2"	63	CGUE-CXJ-10 K 250NPT	0.591	1.858	2.201	3.504	2.150	2.594
2-1/2"	75S	CGUE-CXJ-10 L 250NPT	0.591	2.079	2.437	4.000	2.244	2.839
3"	75	CGUE-CXJ-10 M 300NPT	0.591	2.327	2.673	4.374	2.378	3.091
3"	90	CGUE-CXJ-10 N 300NPT	0.591	2.622	3.122	5.063	2.724	3.559

EIFX/Z TYPE METRIC ENTRY GLAND† - DIMENSIONS IN MILLIMETERS

C ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	D MIN. THREAD LENGTH	A CABLE DIA		E ACROSS CORNERS DIA MAX	B CABLE DIA	
				MIN	MAX		MIN	MAX
M20/16	20	CGUE-CXJ-10 B M20	15	3.1	8.6	24.4	6.0	13.4
M20S	20	CGUE-CXJ-10 C M20	15	6.1	11.6	26.6	9.5	15.9
M20	20	CGUE-CXJ-10 D M20	15	6.5	13.9	33.3	12.5	20.9
M25	25	CGUE-CXJ-10 E M25	15	11.1	19.9	40.5	17.0	26.2
M32	32	CGUE-CXJ-10 F M32	15	17.0	26.2	51.0	22.9	33.9
M40	40	CGUE-CXJ-10 G M40	15	22.0	32.1	61.0	26.0	40.4
M50	50S	CGUE-CXJ-10 H M50	15	29.5	38.1	66.5	35.0	46.7
M50	50	CGUE-CXJ-10 I M50	15	35.6	44.0	78.6	38.0	53.1
M63	63S	CGUE-CXJ-10 J M63	15	40.1	49.9	83.2	45.6	59.4
M63	63	CGUE-CXJ-10 K M63	15	47.2	55.9	89.0	54.6	65.9
M75	75S	CGUE-CXJ-10 L M75	15	52.8	61.9	101.6	57.0	72.1
M75	75	CGUE-CXJ-10 M M75	15	59.1	67.9	111.1	60.4	78.5
M90	90	CGUE-CXJ-10 N M90	15	66.6	79.3	128.6	69.2	90.4

†Note size 20/16 suitable for braid armor only.



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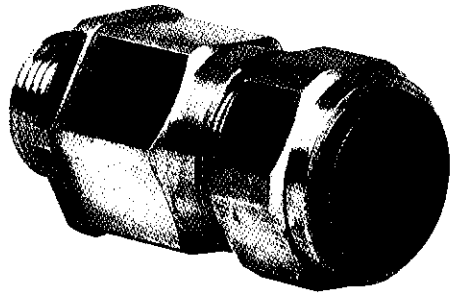


EEx e II

IP66, IP67, & IP68 (To a depth of 10 in.)

FEATURES-SPECIFICATIONS

Features

These cable glands are intended for use with SWA, STA & Wire Braid Cables. This series provides clamping of the armor for electrical continuity and mechanical retention of the cable. This Industrial series is used for increased safety applications to provide Type 'e' and IP68 (NEMA 4 equivalent) protection.

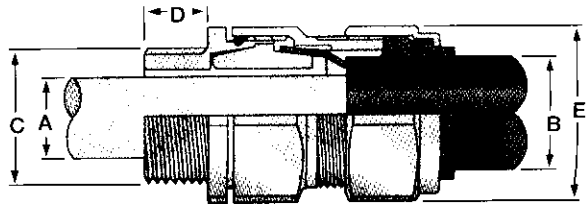
TECHNICAL DATA	
Type	C2K
Design Specifications	BS 6121 : Part 1 : 1989
Classification, Hazardous Area	EEx e IIC, Zone 1
Compliance Code	EN50014, EN50019, IEC60079-0/-7
Certification	CENELEC - SCS Ex 98E3269U IEC - SCS Ex 98Y3270U
Temperature Rating Continuous Operating	-30°C to + 130°C
Ingress Protection	IP66, IP67 & IP68 (10m depth)
Deluge Protection	To DTS01 : 91
Gland Material	Brass
Seal Material	LSF Thermoplastic Elastomer
Cable Type	Steel Wire, Steel Tape or Wire Braid Armor
Armor Clamping	Reversable Armor Cone
Sealing Technique	Displacement Seal Concept
Sealing Area(s)	Outer Sheath
Optional Accessories See pages F93-F95	Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

C2K TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

C ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	D MIN THREAD LENGTH	A CABLE DIA. MAX	E ACROSS CORNERS DIA. MAX	B CABLE DIA	
						MIN	MAX
1/2"	20/16	CGZC-CUA-10 B 050NPT	0.591	0.339	0.961	0.236	0.528
1/2"	20S	CGZC-CUA-10 C 050NPT	0.591	0.457	1.047	0.374	0.626
1/2"	20	CGZC-CUA-10 D 050NPT	0.591	0.547	1.311	0.492	0.823
3/4"	25	CGZC-CUA-10 E 075NPT	0.591	0.783	1.594	0.669	1.031
1"	32	CGZC-CUA-10 F 100NPT	0.591	1.031	2.008	0.902	1.335
1-1/4"	40	CGZC-CUA-10 G 125NPT	0.591	1.264	2.402	1.024	1.591
1-1/2"	50S	CGZC-CUA-10 H 150NPT	0.591	1.500	2.618	1.378	1.839
2"	50	CGZC-CUA-10 I 200NPT	0.591	1.732	3.094	1.496	2.091
2"	63S	CGZC-CUA-10 J 200NPT	0.591	1.965	3.276	1.795	2.339
2-1/2"	63	CGZC-CUA-10 K 250NPT	0.591	2.201	3.504	2.150	2.594
2-1/2"	75S	CGZC-CUA-10 L 250NPT	0.591	2.437	4.000	2.244	2.839
3"	75	CGZC-CUA-10 M 300NPT	0.591	2.673	4.374	2.378	3.091
3"	90	CGZC-CUA-10 N 300NPT	0.591	3.122	5.063	2.724	3.559

C2K TYPE METRIC ENTRY GLAND - DIMENSIONS IN MILLIMETERS

C ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	D MIN. THREAD LENGTH	A CABLE DIA. MAX	E ACROSS CORNERS DIA. MAX	B CABLE DIA	
						MIN	MAX
M20	20/16	CGZC-CUA-10 B M20	15	8.6	24.4	6.0	13.4
M20	20S	CGZC-CUA-10 C M20	10	11.6	26.6	9.5	15.9
M20	20	CGZC-CUA-10 D M20	10	13.9	33.3	12.5	20.9
M25	25	CGZC-CUA-10 E M25	10	19.9	40.5	17.0	26.2
M32	32	CGZC-CUA-10 F M32	15	26.2	51.0	22.9	33.9
M40	40	CGZC-CUA-10 G M40	15	32.1	61.0	26.0	40.4
M50	50S	CGZC-CUA-10 H M50	15	38.1	66.5	35.0	46.7
M50	50	CGZC-CUA-10 I M50	15	44.0	78.6	38.0	53.1
M63	63S	CGZC-CUA-10 J M63	15	50.0	83.2	45.6	59.4
M63	63	CGZC-CUA-10 K M63	15	55.9	89.0	54.6	65.9
M75	75S	CGZC-CUA-10 L M75	15	61.9	101.6	57.0	72.1
M75	75	CGZC-CUA-10 L M75	15	67.9	111.1	60.4	78.5
M90	90	CGZC-CUA-10 L M90	15	79.3	128.6	69.2	90.4



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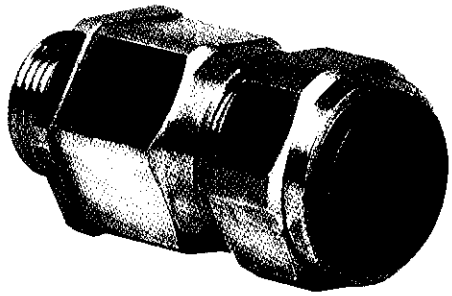


Industrial Type Gland

IP66, IP67, & IP68 (To a depth of 10m)

For details call Killark

FEATURES-SPECIFICATIONS

Features

These cable glands are intended for use with Wire Braid and jacketed Cables. This series provides clamping of the armor for electrical continuity and mechanical retention of the cable. This Industrial series is used for industrial applications to provide IP68 (NEMA 4 equivalent) protection.

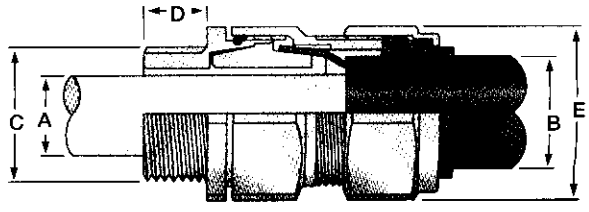
TECHNICAL DATA	
Type	C2KX
Design Specifications	UL-514B
Certification	CENELEC - SCS Ex 98E3269U IEC - SCS Ex 98Y3270U
Temperature Rating Continuous Operating	-60°C to + 130°C
Ingress Protection	IP66, IP67 & IP68 (10m depth)
Deluge Protection	To DTS01 : 91
Gland Material	Brass
Seal Material	LSF Thermoplastic Elastomer
Cable Type	Wire Braid Armor
Armor Clamping	Reversable Armor Cone
Sealing Technique	Displacement Seal Concept
Sealing Area(s)	Outer Sheath
Optional Accessories See pages F93-F95	Locknut, Earth Tag, Entry Thread Seal, Serrated Washer, Adapter/Reducer

C2KX TYPE NPT ENTRY GLAND - DIMENSIONS IN INCHES

C ENTRY SIZE NPT	GLAND SIZE	CATALOG NUMBER	D MIN THREAD LENGTH	A CABLE DIA. MAX	E ACROSS CORNERS DIA. MAX	B CABLE DIA	
						MIN	MAX
1/2"	20/16	CGMC-CXJ-15 B 050NPT	0.591	0.339	0.961	0.236	0.528
1/2"	20S	CGMC-CXJ-15 C 050NPT	0.591	0.457	1.047	0.374	0.626
1/2"	20	CGMC-CXJ-15 D 050NPT	0.591	0.547	1.311	0.492	0.823
3/4"	25	CGMC-CXJ-15 E 075NPT	0.591	0.783	1.594	0.669	1.031
1"	32	CGMC-CXJ-15 F 100NPT	0.591	1.031	2.008	0.902	1.335
1-1/4"	40	CGMC-CXJ-15 G 125NPT	0.591	1.264	2.402	1.024	1.591
1-1/2"	50S	CGMC-CXJ-15 H 150NPT	0.591	1.500	2.618	1.378	1.839
2"	50	CGMC-CXJ-15 I 200NPT	0.591	1.732	3.094	1.496	2.091
2"	63S	CGMC-CXJ-15 J 200NPT	0.591	1.965	3.276	1.795	2.339
2-1/2"	63	CGMC-CXJ-15 K 250NPT	0.591	2.201	3.504	2.150	2.594
2-1/2"	75S	CGMC-CXJ-15 L 250NPT	0.591	2.437	4.000	2.244	2.839
3"	75	CGMC-CXJ-15 M 300NPT	0.591	2.673	4.374	2.378	3.091
3"	90	CGMC-CXJ-15 N 300NPT	0.591	3.122	5.063	2.724	3.559

C2KX TYPE METRIC ENTRY GLAND - DIMENSIONS IN MILLIMETERS

C ENTRY SIZE METRIC	GLAND SIZE	CATALOG NUMBER	D MIN. THREAD LENGTH	A CABLE DIA. MAX	E ACROSS CORNERS DIA. MAX	B CABLE DIA	
						MIN	MAX
M20	20/16	CGMC-CXJ-15 B M20	15	8.6	24.4	6.0	13.4
M20	20S	CGMC-CXJ-15 C M20	10	11.6	26.6	9.5	15.9
M20	20	CGMC-CXJ-15 D M20	10	13.9	33.3	12.5	20.9
M25	25	CGMC-CXJ-15 E M25	10	19.9	40.5	17.0	26.2
M32	32	CGMC-CXJ-15 F M32	15	26.2	51.0	22.9	33.9
M40	40	CGMC-CXJ-15 G M40	15	32.1	61.0	26.0	40.4
M50	50S	CGMC-CXJ-15 H M50	15	38.1	66.5	35.0	46.7
M50	50	CGMC-CXJ-15 I M50	15	44.0	78.6	38.0	53.1
M63	63S	CGMC-CXJ-15 J M63	15	50.0	83.2	45.6	59.4
M63	63	CGMC-CXJ-15 K M63	15	55.9	89.0	54.6	65.9
M75	75S	CGMC-CXJ-15 L M75	15	61.9	101.6	57.0	72.1
M75	75	CGMC-CXJ-15 L M75	15	67.9	111.1	60.4	78.5
M90	90	CGMC-CXJ-15 L M90	15	79.3	128.6	69.2	90.4



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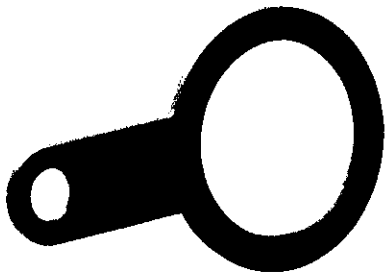
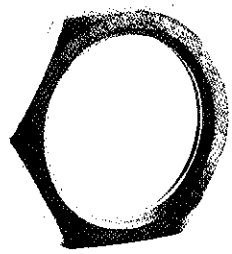


EPZ10



LNZ10

FEATURES-SPECIFICATIONS

Accessories
These products are intended to be used in addition with other fittings or cable glands. Since these products perform only a mechanical or grounding function they are not required to be Hazardous Location rated.

Earth (Grounding) Tags
These fittings are commonly used to provide an effective bonding method for metal cable glands entering a non-metallic enclosure. These products are available in a wide range of threadforms including ISO (metric), NPT, PG, Imperial, BSPP, BSPT, NPS, ET, other UK and European, Japanese and CIS. These products are available in brass (standard) or can be specially ordered in 316 stainless steel, steel and aluminum and can be plated in nickel, zinc, cadmium and chromium. The most common combinations are listed. For optional combinations, contact Killark.

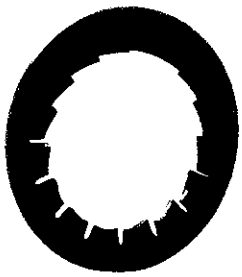
EPZ BRASS EARTH (GROUNDING) TAGS

NPT		METRIC		
SIZE	CATALOG NUMBER	SIZE	CATALOG NUMBER	SHORT CIRCUIT RATING (KA)
1/2"	EPZ10-050NPT	M16	EPZ10-M16	3.06
3/4"	EPZ10-075NPT	M20	EPZ10-M20	3.06
1"	EPZ10-100NPT	M25	EPZ10-M25	4.00
1-1/4"	EPZ10-125NPT	M32	EPZ10-M32	5.40
1-1/2"	EPZ10-150NPT	M40	EPZ10-M40	7.20
2"	EPZ10-200NPT	M50	EPZ10-M50	10.40
2-1/2"	EPZ10-250NPT	M63	EPZ10-M63	10.40
3"	EPZ10-300NPT	M75	EPZ10-M75	10.40

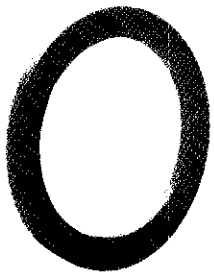
Locknuts
These fittings are commonly used to secure cable glands or similar products entering an enclosure. These products are available in a wide range of threadforms including ISO (metric), NPT, PG, Imperial, BSPP, BSPT, NPS, ET, other UK and European, Japanese and CIS. These products are available in brass (standard) or Nylon 6, or can be specially ordered in 316 stainless steel, steel and aluminum which can be plated in nickel, zinc, cadmium and chromium (Plating not possible with nylon). The most common combinations are listed. For optional combinations, contact Killark.

LNZ BRASS LOCKNUTS

NPT		METRIC	
SIZE	CATALOG NUMBER	SIZE	CATALOG NUMBER
1/2"	LNZ10-050NPT	M16	LNZ10-M16
3/4"	LNZ10-075NPT	M20	LNZ10-M20
1"	LNZ10-100NPT	M25	LNZ10-M25
1-1/4"	LNZ10-125NPT	M32	LNZ10-M32
1-1/2"	LNZ10-150NPT	M40	LNZ10-M40
2"	LNZ10-200NPT	M50	LNZ10-M50
2-1/2"	LNZ10-250NPT	M63	LNZ10-M63
3"	LNZ10-300NPT	M75	LNZ10-M75



SRZ20-M25



SWZ60-M25

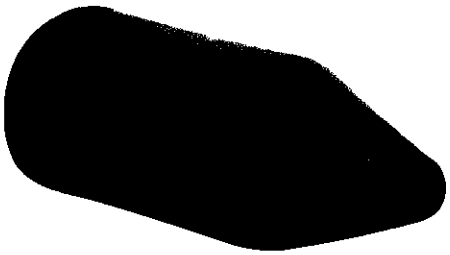
FEATURES-SPECIFICATIONS

Serrated Washers
These fittings are commonly used to secure cable glands or similar products entering an enclosure. These products are available in a wide range of threadforms including ISO (metric), NPT, PG, Imperial, BSPP, BSPT, NPS, ET, other UK and European, Japanese and CIS. These products are 316 stainless steel.

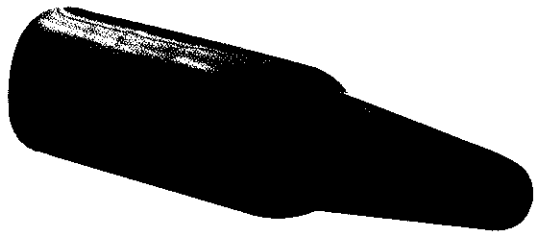
SRZ SERRATED WASHERS - 316 STAINLESS STEEL			
NPT		METRIC	
SIZE	CATALOG NUMBER	SIZE	CATALOG NUMBER
1/2"	SRZ30-050NPT	M16	SRZ30-M16
3/4"	SRZ30-075NPT	M20	SRZ30-M20
1"	SRZ30-100NPT	M25	SRZ30-M25
1-1/4"	SRZ30-125NPT	M32	SRZ30-M32
1-1/2"	SRZ30-150NPT	M40	SRZ30-M40
2"	SRZ30-200NPT	M50	SRZ30-M50
2-1/2"	SRZ30-250NPT	M63	SRZ30-M63
3"	SRZ30-300NPT	M75	SRZ30-M75
3-1/2"	SRZ30-350NPT	M90	SRZ30-M90

Sealing (IP) Washers
Sealing washers are commonly used with cable glands or similar fittings entering an enclosure. While these products are not threaded, they are available with clearance holes to accommodate a wide range of threadforms including ISO (metric), NPT, PG, BSP, and ET. Sealing washers are available in nylon. The most common combinations are listed. For optional combinations, contact Killark.

SWZ NYLON WASHERS			
NPT		METRIC	
SIZE	CATALOG NUMBER	SIZE	CATALOG NUMBER
1/2"	SWZ60-050NPT	M16	SWZ60-M16
3/4"	SWZ60-075NPT	M20	SWZ60-M20
1"	SWZ60-100NPT	M25	SWZ60-M25
1-1/4"	SWZ60-125NPT	M32	SWZ60-M32
1-1/2"	SWZ60-150NPT	M40	SWZ60-M40
2"	SWZ60-200NPT	M50	SWZ60-M50
2-1/2"	SWZ60-250NPT	M63	SWZ60-M63
3"	SWZ60-300NPT	M75	SWZ60-M75
3-1/2"	SWZ60-350NPT	M90	SWZ60-M90



SHRD-A1E



SHRD-P1E

FEATURES-SPECIFICATIONS

Applications
Shrouds are used to minimize the risk of dirt or foreign substances gathering on the Cable Gland body, and/or the entry point of the cable to the gland (interface).

Features
- Easy to install, push on design

Material
- PVC Black

SHROUDS FOR CGUA/A2F SERIES		
GLAND SIZE	CATALOG NUMBER	GLAND TYPE AND ENTRY THREAD SIZE
B 20/16	SHRD-A1B	CGUA A2F 20/16-1/2"
C 20S	SHRD-A1C	CGUA A2F 20S-1/2"
D 20	SHRD-A1D	CGUA A2F 20-1/2"
E 25	SHRD-A1E	CGUA A2F 25-3/4"
F 32	SHRD-A1F	CGUA A2F 32-1"
G 40	SHRD-A1G	CGUA A2F 40-1-1/4"
H 50s	SHRD-A1H	CGUA A2F 50S-1-1/2"
I 50	SHRD-A1I	CGUA A2F 50-2"
J 63S	SHRD-A1J	CGUA A2F 63S-2"
K 63	SHRD-A1K	CGUA A2F 63-2-1/2"
L 75S	SHRD-A1L	CGUA A2F 75S-2-1/2"
M 75	SHRD-A1M	CGUA A2F 75-3"
N 90	SHRD-A1N	CGUA A2F 90-3"

SHROUDS FOR GLAND TYPES: CGAP/PX2KX, CGBP/PXSS2K, CGBP/PXB2KX, CGDP/PX2K, CGUE/E1FX, CGUP/P2K, CGZE/C2K, CGMC/C2KX		
GLAND SIZE	CATALOG NUMBER	GLAND SIZE AND ENTRY THREAD SIZE
B 20/16	SHRD-P1B	B 20/16-1/2"
C 20S	SHRD-P1C	C 20S-1/2"
D 20	SHRD-P1D	D 20-1/2"
E 25	SHRD-P1E	E 25-3/4"
F 32	SHRD-P1F	F 32-1"
G 40	SHRD-P1G	G 40-1-1/4"
H 50s	SHRD-P1H	H 50S-1-1/2"
I 50	SHRD-P1I	I 50-2"
J 63S	SHRD-P1J	J 63S-2"
K 63	SHRD-P1K	K 63-2-1/2"
L 75S	SHRD-P1L	L 75S-2-1/2"
M 75	SHRD-P1M	M 75-3"
N 90	SHRD-P1N	N 90-3"

Conduit Hub
EEx e

Conduit Hub
EEx i

Cable Gland
EEx e

Cable Gland
EEx i

Close-up Plug

Locknut

See tables below for certifications

FEATURES-SPECIFICATIONS

Features

- Gray PVC coated conduit enclosure hubs are intended for increased safety applications
- Blue PVC coated conduit enclosure hubs are intended for intrinsically safe applications
- Hubs include locknut with increased safety terminal for grounding purposes
- Non-metallic compression cable glands (in gray or blue color) are intended for use with unarmored cables entering increased safety enclosures. They can be threaded into a tapped opening or secured with a locknut (order separately) through a clearance hole
- Close-up plugs (PTB only approved) are polyamide, grey in color

PVC COATED CONDUIT HUBS-UL/CSA/NEMA 4, IP66 RATED

NPT DIAMETER	CATALOG NUMBER	
	GRAY	BLUE
1/2"	HUB1GE	HUB1BE
3/4"	HUB2GE	HUB2BE
1"	HUB3GE	HUB3BE
1-1/4"	HUB4GE	ON REQUST

NPT DIAMETER	CATALOG NUMBER	
	GRAY	BLUE
1-1/2"	HUB5GE	ON REQUST
2"	HUB6GE	ON REQUST
2-1/2"	HUB7GE	ON REQUST
3"	HUB8GE	ON REQUST

NON-METALLIC COMPRESSION CABLE GLANDS — EEx e II, IP68 RATED

CATALOG NUMBER		STANDARD PACKAGE	MULTI-PAK*	THREAD SIZE	CABLE RANGE (MM)
GRAY (EEx e)	BLUE (EEx i)				
CGEA-CNA-80AM16	CGEA-CNA-90AM16	1	50	M 16 X 1.5	5-8
CGEA-CNA-80BM20	CGEA-CNA-90BM20	1	50	M 20 X 1.5	6-12
CGEA-CNA-80CM25	CGEA-CNA-90CM25	1	50	M 25 X 1.5	9-13
CGEA-CNA-80DM25	CGEA-CNA-90DM25	1	50	M 25 X 1.5	12-17
CGEA-CNA-80EM32	CGEA-CNA-90EM32	1	25	M 32 X 1.5	10-18
CGEA-CNA-80FM40	CGEA-CNA-90FM40	1	20	M 40 X 1.5	17-25
CGEA-CNA-80GM50	CGEA-CNA-90GM50	1	10	M 50 X 1.5	23-32
CGEA-CNA-80HM63	CGEA-CNA-90HM63	1	5	M 63 X 1.5	32-44

LOCKNUTS - NICKEL PLATED BRASS

CATALOG NUMBER	STANDARD PACKAGE	MULTI-PAK*
LNZ11-M16	1	50
LNZ11-M20	1	50
LNZ11-M25	1	25
LNZ11-M25	1	25
LNZ11-M32	1	25
LNZ11-M40	1	5
LNZ11-M50	1	5
LNZ11-M63	1	1

**For Multi-Pak, add MP to Catalog Number.*

NON-METALLIC CLOSE-UP PLUGS — EEx e II, IP54 RATED

CATALOG NUMBER	STANDARD PACKAGE	MULTI-PAK*	THREAD SIZE
CUPDE60-M16	1	50	M 16 X 1.5
CUPDE60-M20	1	50	M 20 X 1.5
CUPDE60-M25	1	25	M 25 X 1.5
CUPDE60-M32	1	25	M 32 X 1.5
CUPDE60-M40	1	5	M 40 X 1.5
CUPDE60-M50	1	5	M 50 X 1.5
CUPDE60-M63	1	-	M 63 X 1.5

**For Multi-Pak, add MP to Catalog Number.*

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Section E

ENCLOSURES INDEX

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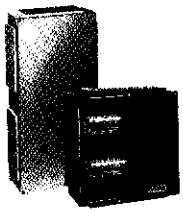

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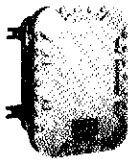

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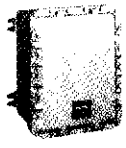

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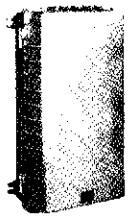

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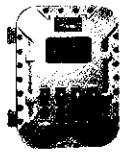

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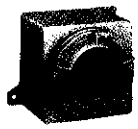

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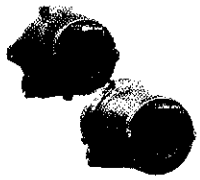

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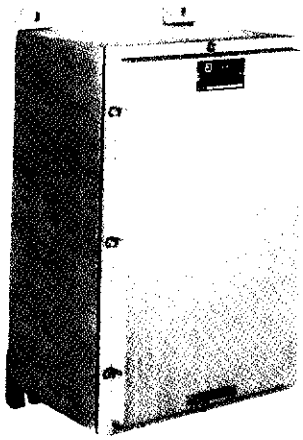


Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3R, 4, 9(E,F,G)

Listed - File E10514
Certified - File LR11716
File 25132
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Hazardous locations due to the presence of combustable dusts or easily ignitable fibers or flyings
- Damp or wet locations (raintight)

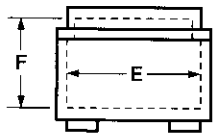
Features

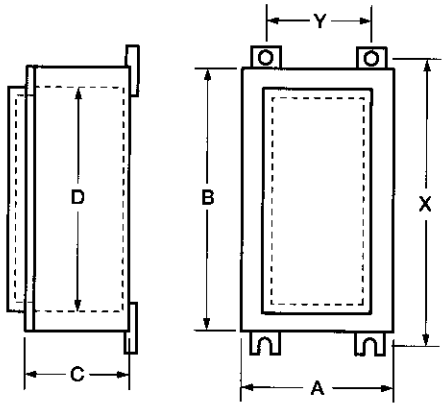
- Copper-free aluminum (less than 4/10 of 1%)
- Surface mounting type box with raised cover
- Mounting lugs included as standard
- Cover screws are stainless steel
- Gaskets mechanically fastened to cover
- All DB boxes cast with wall thicknesses suitable to drill and tap conduit openings. Conduit openings may be factory or field installed. See chart for conduit size limitations. See page E38 for conduit opening data
- Enclosures are available blank or with factory modifications, options and accessories. See catalog pages E22-27 for additional details

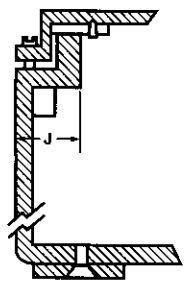
MODIFICATIONS	
CATALOG NUMBER	DESCRIPTION
KIT-251	100 Amp ground lug
KIT-252	225 Amp ground lug

SUFFIX NUMBER	DESCRIPTION
SU2	Hinge installed
SU3	Drain and breather installed
SU8	Pan mounting studs

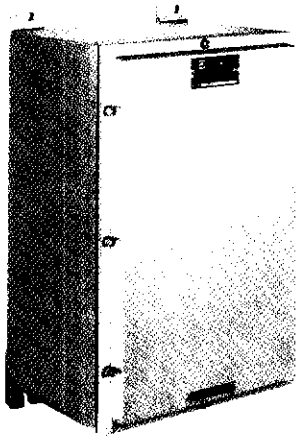
BOX WIDTH	"J" DIMENSION
6	1
8 THRU 20	1-3/8
24 AND LARGER	2







HUBBELL
KILLARK



Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3R, 4, 9(E,F,G)

Listed - File E10514

Certified - File LR11716

File 25132

See files for details or call Killark.

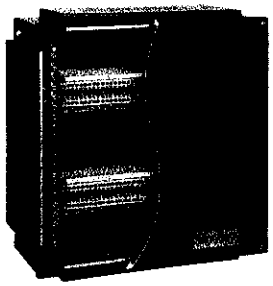
FEATURES-SPECIFICATIONS

DB ENCLOSURES WITH MOUNTING LUGS

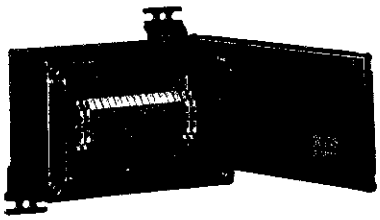
CATALOG NUMBER	NOMINAL DIMENSIONS								MOUNTING DIMENSIONS		CATALOG NUMBER		MAX SIZE① CONDUIT OPENING		MAXIMUM NUMBER OF OPERATORS†
	OUTSIDE			INSIDE			COVER OPENING				OPTIONAL HINGE TYPE	OPTIONAL MOUNTING PAN②③	ENDS	BACK & SIDE	
	A	B	C	D	E	F	G	H	X	Y					
DB-664	6"	6"	4"	5-3/8"	5-3/8"	4-7/32"	4-1/4"	4-1/4"	7-1/4"	4-1/4"	**HINGE-4**	**6307-6**	2	2	1 row of 1 = 1
DB-884	8"	8"	4"	7-3/8"	7-3/8"	4-5/8"	5-7/16"	5-7/16"	9-1/4"	5-7/16"	**HINGE-4**	**6247-8**	2	2	2 rows of 2 = 4
DB-886	8"	8"	6"	7-3/8"	7-3/8"	6-5/8"	5-7/16"	5-7/16"	9-1/4"	5-7/16"	**HINGE-4**	**6247-8**	2	2	2 rows of 2 = 4
DB-8106	8"	10"	6"	9-3/8"	7-3/8"	6-5/8"	7-9/32"	5-5/16"	11-1/4"	5-5/16"	**HINGE-4**	**6247-10**	2	2	2 rows of 2 = 4
DB-6126	6"	12"	6"	11-3/8"	5-3/8"	6-7/32"	10-3/16"	4-5/16"	13-1/4"	4-5/16"	**HINGE-4**	**6307-12**	2	2	4 rows of 1 = 4
DB-8146	8"	14"	6"	13-3/8"	7-3/8"	6-5/8"	11-1/4"	5-5/16"	15-1/4"	5-5/16"	**HINGE-4**	**6247-14**	2	2	4 rows of 2 = 8
DB-8188	8"	18"	8"	17-3/8"	7-3/8"	8-5/8"	15-1/4"	5-5/16"	19-1/4"	5-5/16"	**HINGE-4**	**6247-18**	2	2	5 rows of 2 = 10
DB-10106	10"	10"	6"	9-3/8"	9-3/8"	6-1/2"	7-5/16"	7-5/16"	11-1/4"	7-5/16"	**HINGE-4**	**6248-10**	2	2	2 rows of 2 = 4
DB-10148	10"	14"	8"	13-3/8"	9-3/8"	8-1/2"	11-5/16"	7-5/16"	11-1/4"	7-5/16"	**HINGE-4**	**6248-14**	2	2	4 rows of 2 = 8
DB-12148	12"	14"	8"	13-3/8"	11-3/8"	8-7/16"	11-5/16"	9-5/16"	15-1/4"	9-5/16"	**HINGE-4**	**6249-14**	4	2	4 rows of 3 = 12
DB-12168	12"	16"	8"	15-3/8"	11-3/8"	8-9/16"	13-1/4"	9-1/4"	14-1/4"	9-1/4"	**HINGE-4**	**6249-16**	4	2	4 rows of 3 = 12
DB-12188	12"	18"	8"	17-3/8"	11-3/8"	8-5/8"	15-5/32"	9-5/32"	19-1/4"	9-5/32"	**HINGE-4**	**6249-18**	4	2	5 rows of 3 = 15
DB-12248	12"	24"	8"	23-3/8"	11-3/8"	8-1/6"	21-5/16"	9-5/16"	25-1/4"	9-5/16"	**HINGE-4**	**6249-24**	4	2	8 rows of 3 = 24
DB-16188	16"	18"	8"	17-3/8"	15-3/8"	8-9/16"	15-5/16"	13-5/16"	19-1/4"	13-5/16"	**HINGE-4**	**6250-18**	4	2	5 rows of 4 = 20
DB-16248	16"	24"	8"	23-3/8"	15-3/8"	8-9/16"	21-5/16"	13-5/16"	25-1/4"	13-5/16"	**HINGE-4**	**6250-24**	4	2	8 rows of 4 = 32
DB-16368	16"	36"	8"	35-3/8"	15-3/8"	8-9/16"	33-5/16"	13-5/16"	37-1/4"	13-5/16"	**HINGE-4**	**6250-36**	4	2	12 rows of 4 = 48
DB-20248	20"	24"	8"	23-3/8"	19-3/8"	8-9/16"	21-1/2"	17-1/2"	25-1/4"	17-1/2"	**HINGE-4**	**6251-24**	4	2	8 rows of 6 = 48
DB-203010	20"	30"	10"	29-3/8"	19-3/8"	10-5/8"	27-1/4"	17-1/4"	31-1/4"	17-1/4"	**HINGE-4**	**6251-30**	4	2	10 rows of 6 = 60
DB-243010	24"	30"	10"	29-1/8"	23-1/8"	10-7/16"	26"	20"	32"	20"	***HINGE-11L**	**6252-30**	4	4	10 rows of 7 = 70
DB-243610	24"	36"	10"	35-3/8"	23-3/8"	10-7/16"	32"	20"	38"	20"	***HINGE-11L**	**6252-36**	4	4	12 rows of 7 = 84

①These limits are necessary to assure 3-1/2 full threads to meet Class II requirements.
②Boxes are not factory machined for a mounting pan. Add suffix SU8 if box is to be supplied with pan mounting studs.
③When pan is ordered without box, it is supplied with studs and hardware for field mounting. Machining of box for pan studs is required.
** 24" wide enclosures are furnished with hinged covers on left side as a standard feature.*
†Maximum number of "G" series control operators permitted in cover, down + across = total.
Use short style "G" series operators.

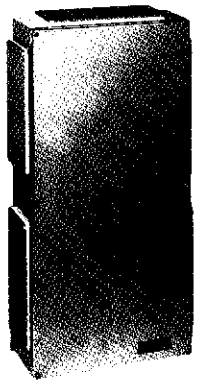
TEF/TEB/TEA SERIES • TERMINAL ENCLOSURES FOR POWER AND CONTROL CIRCUITS



FRP Enclosure
Size 08



Stainless Steel Enclosure
Size 06



Stainless Steel Enclosure
Size 09

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx e II T6 IP66

Listed - Files E177642, E192137

Certified - File LR99480

PTB No. Ex-83/3161, PTB 00 ATEX 3116

TECHNeTERM

Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- Used to link electrical wires. Primary circuit brought into the enclosure is distributed to field control devices or sensors
- TECHNeTERM series for power and control circuits

Features

- Pre-configured enclosures with DIN rail mounted terminals installed-eliminates time consuming engineering and sourcing
- Enclosures are available in Fiberglass Reinforced Polyester, 316 Stainless Steel or epoxy powder coat Painted Steel
- Wiedmuller or Phoenix increased safety 600 volt rated DIN rail line-up terminals - for power/control circuits
- Factory installed conduit openings, cable glands, flange plates and hinges are available upon request. For entry hardware, see page F96

Dimensions

See page E8 for FRP and page E9 for steel enclosures.

FEATURES-SPECIFICATIONS

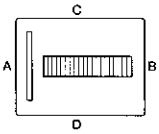
TEF/TEB/TEA ENCLOSURES WITH WEIDMÜLLER TERMINALS

TERMINAL QTY.	WIRE RANGE AWG	TERMINAL SIZE MM2	GROUND WIRE CONNECTIONS	CATALOG NUMBER POWER AND CONTROL CIRCUITS	
				FRP	STAINLESS STEEL
18	22-12	2.5	14	**TEF051DW12018**	**TEB051DW12018**
15	22-10	4	14	**TEF051DW10015**	**TEB051DW10015**
9	20-8	10	12	**TEF051DW08009**	**TEB051DW08009**
24	22-12	2.5	14	**TEF061DW12024**	**TEB061DW12024**
21	22-10	4	14	**TEF061DW10021**	**TEB061DW10021**
12	20-8	10	12	**TEF061DW08012**	**TEB061DW08012**
45	22-12	2.5	14	**TEF071DW12045**	**TEB071DW12045**
36	22-10	4	14	**TEF071DW10036**	**TEB071DW10036**
24	20-8	10	12	**TEF071DW08024**	**TEB071DW08024**
45	22-12	2.5	14	**TEF073DW12045**	**TEB073DW12045**
36	22-10	4	14	**TEF073DW10036**	**TEB073DW10036**
24	20-8	10	12	**TEF073DW08024**	**TEB073DW08024**
18	14-6	16	12	**TEF073DW06018**	**TEB073DW06018**
45	22-12	2.5	36	**TEF083DW12045**	**TEB083DW12045**
36	22-10	4	36	**TEF083DW10036**	**TEB083DW10036**
24	20-8	10	24	**TEF083DW08024**	**TEB083DW08024**
18	14-6	16	24	**TEF083DW06018**	**TEB083DW06018**
12	12-2	35	24	**TEF083DW02012**	**TEB083DW02012**
90	22-12	2.5	72	**TEF083DW12090**	**TEB083DW12090**
72	22-10	4	72	**TEF083DW10072**	**TEB083DW10072**
48	20-8	10	48	**TEF083DW08048**	**TEB083DW08048**
90	22-12	2.5	72	**TEF093DW12090**	**TEB093DW12090**
72	22-10	4	72	**TEF093DW10072**	**TEB093DW10072**
48	20-8	10	48	**TEF093DW08048**	**TEB093DW08048**
36	14-6	16	48	**TEF093DW06036**	**TEB093DW06036**
24	12-2	35	48	**TEF093DW02024**	**TEB093DW02024**
180	22-12	2.5	144	**TEF093DW12180**	**TEB093DW12180**
144	22-10	4	144	**TEF093DW10144**	**TEB093DW10144**
96	20-8	10	96	**TEF093DW08096**	**TEB093DW08096**

*For Phoenix Type UK Terminals—Change Bold "**W**" to "**P**".*
*For Painted Steel Enclosures—Change Bold "**B**" to "**A**".*

Terminal Layout

051



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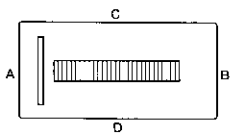

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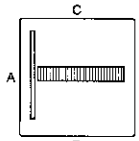
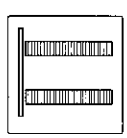
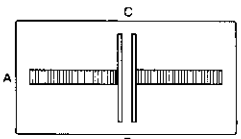


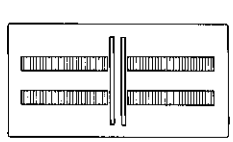
083
15-45
Terminals



083
48-90
Terminals



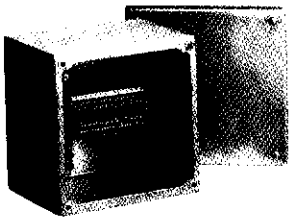
093
30-90
Terminals



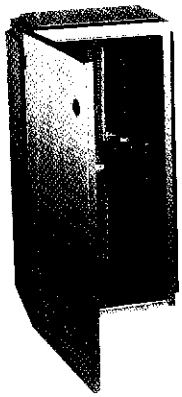
093
96-180
Terminals

HUBBELL

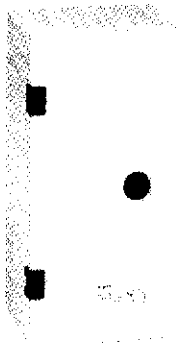
KILLARK®



Stainless Steel Enclosure
Size 05



Stainless Steel Enclosure
Size 07



Painted Enclosure
Size 07

Suitable for:
Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx e II T6 IP66

Ex KEMA No. Ex-95.D.3589
Other certifications pending.

FEATURES-SPECIFICATIONS

TECHNeTERM

Applications
- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- Used to link electrical wires. Primary circuit brought into the enclosure is distributed to field control devices or sensors.
- TECHNeTERM series for power and control circuits

Features
- Pre-configured enclosures with DIN rail mounted terminals installed-eliminates time consuming engineering and sourcing
- Enclosures are available in 316 Stainless Steel or Painted Steel
- Wiedmuller or Phoenix increased safety 600 volt rated DIN rail line-up terminals - for power/control circuits
- Factory installed conduit openings, cable glands, flange plates and hinges are available on request. For entry hardware, see page F96

Dimensions
See page E9 for steel enclosure dimensions.

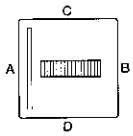
TEC/TED ENCLOSURES WITH WEIDMÜLLER TERMINALS

TERMINAL QTY.	WIRE RANGE AWG	TERMINAL SIZE MM2	GROUND WIRE CONNECTIONS	CATALOG NUMBER POWER AND CONTROL CIRCUITS	
				STAINLESS STEEL	PAINTED STEEL
18	22-12	2.5	14	TED051DW12018	TEC051DW12018
15	22-10	4	14	TED051DW10015	TEC051DW10015
9	20-8	10	12	TED051DW08009	TEC051DW08009
24	22-12	2.5	14	TED061DW12024	TEC061DW12024
21	22-10	4	14	TED061DW10021	TEC061DW10021
12	20-8	10	12	TED061DW08012	TEC061DW08012
45	22-12	2.5	14	TED071DW12045	TEC071DW12045
36	22-10	4	14	TED071DW10036	TEC071DW10036
24	20-8	10	12	TED071DW08024	TEC071DW08024
45	22-12	2.5	14	TED073DW12045	TEC073DW12045
36	22-10	4	14	TED073DW10036	TEC073DW10036
24	20-8	10	12	TED073DW08024	TEC073DW08024
18	14-6	16	12	TED073DW06018	TEC073DW06018
45	22-12	2.5	36	TED083DW12045	TEC083DW12045
36	22-10	4	36	TED083DW10036	TEC083DW10036
24	20-8	10	24	TED083DW08024	TEC083DW08024
18	14-6	16	24	TED083DW06018	TEC083DW06018
12	12-2	35	24	TED083DW02012	TEC083DW02012
90	22-12	2.5	72	TED083DW12090	TEC083DW12090
72	22-10	4	72	TED083DW10072	TEC083DW10072
48	20-8	10	48	TED083DW08048	TEC083DW08048
90	22-12	2.5	72	TED093DW12090	TEC093DW12090
72	22-10	4	72	TED093DW10072	TEC093DW10072
48	20-8	10	48	TED093DW08048	TEC093DW08048
36	14-6	16	48	TED093DW06036	TEC093DW06036
24	12-2	35	48	TED093DW02024	TEC093DW02024
180	22-12	2.5	144	TED093DW12180	TEC093DW12180
144	22-10	4	144	TED093DW10144	TEC093DW10144
96	20-8	10	96	TED093DW08096	TEC093DW08096

*For Phoenix Type UK Terminals—Change Bold "**W**" to "**P**".*

E

Terminal Layout



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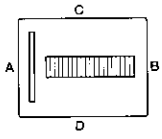

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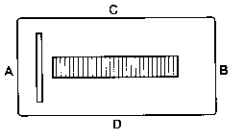

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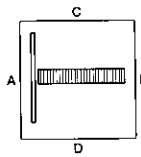
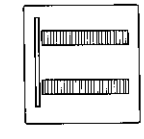
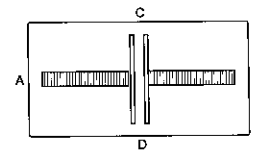


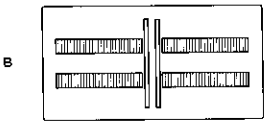
083
15-45
Terminals



083
48-90
Terminals

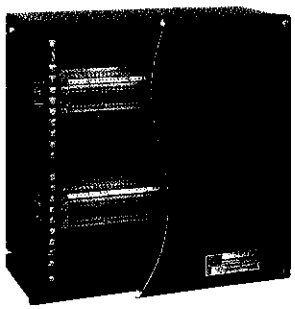


093
30-90
Terminals

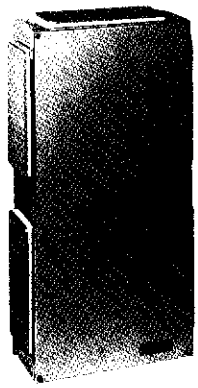


093
96-180
Terminals

HUBBELL
KILLARK®



FRP Enclosure
Size 08



Stainless Steel Enclosure
Size 09

"For use with intrinsically safe circuits"
NEMA 3, 4, 4X IP66

TECHNITERM®

Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- Used to link electrical wires. Primary circuit brought into the enclosure is distributed to field control devices or sensors
- TECHNiTERM Series for intrinsically safe circuits

Features

- Pre-configured enclosures with DIN rail mounted terminals installed-eliminates time consuming engineering and sourcing
- Enclosures available in Fiberglass Reinforced Polyester, 316 Stainless Steel or epoxy powder coat Painted Steel
- Blue colored DIN rail line-up terminals (increased safety type)
- Factory installed conduit openings cable glands, flange plates and hinges are available upon request. For entry hardware, see page F96

Dimensions

See page E8 for FRP and page E9 for steel enclosures.

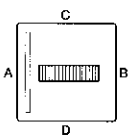
FEATURES-SPECIFICATIONS

TIF/TIB/TIA ENCLOSURES WITH BLUE WEIDMÜLLER TERMINALS

TERMINAL QTY.	WIRE RANGE AWG	TERMINAL SIZE MM2	PA WIRE CONNECTIONS	CATALOG NUMBER INTRINSICALLY SAFE CIRCUITS	
				FRP	STAINLESS STEEL
18	22-12	2.5	14	TIF051DW12018	TIB051DW12018
15	22-10	4	14	TIF051DW10015	TIB051DW10015
24	22-12	2.5	14	TIF061DW12024	TIB061DW12024
21	22-10	4	14	TIF061DW10021	TIB061DW10021
45	22-12	2.5	14	TIF071DW12045	TIB071DW12045
36	22-10	4	14	TIF071DW10036	TIB071DW10036
45	22-12	2.5	14	TIF073DW12045	TIB073DW12045
36	22-10	4	14	TIF073DW10036	TIB073DW10036
45	22-12	2.5	36	TIF083DW12045	TIB083DW12045
36	22-10	4	36	TIF083DW10036	TIB083DW10036
90	22-12	2.5	72	TIF083DW12090	TIB083DW12090
72	22-10	4	72	TIF083DW10072	TIB083DW10072
90	22-12	2.5	72	TIF093DW12090	TIB093DW12090
72	22-10	4	72	TIF093DW10072	TIB093DW10072
180	22-12	2.5	144	TIF093DW12180	TIB093DW12180
144	22-10	4	144	TIF093DW10144	TIB093DW10144

*For Phoenix Type UK Terminals—Change Bold "**W**" to "**P**".*
*For Painted Steel Enclosures—Change Bold "**B**" to "**A**".*

Terminal Layout



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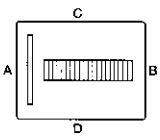

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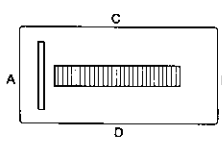
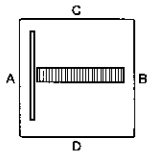
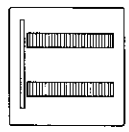


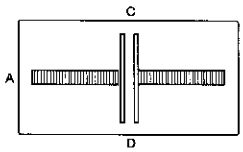
071, 073



083
36-45
Terminals



083
72-90
Terminals



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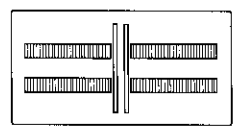
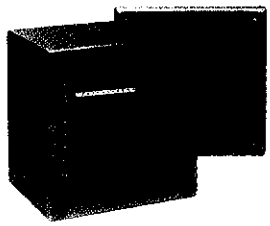
72-90
Terminals

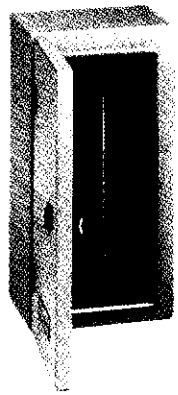


093
144-180
Terminals

HUBBELL®
KILLARK®



Stainless Steel Enclosure
Size 05



Painted Enclosure
Size 07

"For use with intrinsically safe circuits"
NEMA 3, 4, 4X IP66

FEATURES-SPECIFICATIONS

TECHNITERM

Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- Used to link electrical wires. Primary circuit brought into the enclosure is distributed to field control devices or sensors
- TECHNiTERM Series for intrinsically safe circuits

Features

- Pre-configured enclosures with DIN rail mounted terminals installed-eliminates time consuming engineering and sourcing
- Enclosures are available 316 Stainless Steel or epoxy powder coat Painted Steel
- Blue colored DIN rail line-up terminals (increased safety type)
- Factory installed conduit openings cable glands, flange plates and hinges are available upon request. For entry hardware, see page F96

Dimensions

See page E9 for steel enclosures.

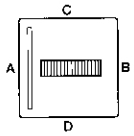
TIC/TID ENCLOSURES WITH BLUE WEIDMÜLLER TERMINALS

TERMINAL QTY.	WIRE RANGE AWG	TERMINAL SIZE MM2	PA WIRE CONNECTIONS	CATALOG NUMBER INTRINSICALLY SAFE CIRCUITS	
				STAINLESS STEEL	PAINTED STEEL
18	22-12	2.5	14	TID051DW12018	TIC051DW12018
15	22-10	4	14	TID051DW10015	TIC051DW10015
24	22-12	2.5	14	TID061DW12024	TIC061DW12024
21	22-10	4	14	TID061DW10021	TIC061DW10021
45	22-12	2.5	14	TID071DW12045	TIC071DW12045
36	22-10	4	14	TID071DW10036	TIC071DW10036
45	22-12	2.5	14	TID073DW12045	TIC073DW12045
36	22-10	4	14	TID073DW10036	TIC073DW10036
45	22-12	2.5	36	TID083DW12045	TIC083DW12045
36	22-10	4	36	TID083DW10036	TIC083DW10036
90	22-12	2.5	72	TID083DW12090	TIC083DW12090
72	22-10	4	72	TID083DW10072	TIC083DW10072
90	22-12	2.5	72	TID093DW12090	TIC093DW12090
72	22-10	4	72	TID093DW10072	TIC093DW10072
180	22-12	2.5	144	TID093DW12180	TIC093DW12180
144	22-10	4	144	TID093DW10144	TIC093DW10144

*For Phoenix Type UK Terminals—Change Bold "**W**" to "**P**".*

E

Terminal Layout



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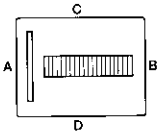

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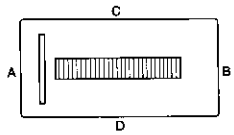

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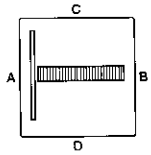
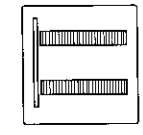
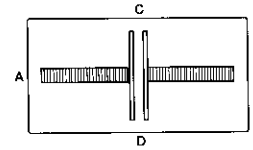


083
36-45
Terminals



083
72-90
Terminals



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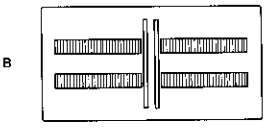
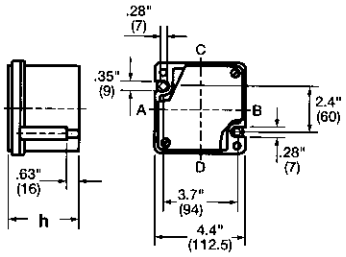
72-90
Terminals



093
144-180
Terminals

HUBBELL
KILLARK

TEF/TIF SERIES • TERMINAL ENCLOSURES
FRP DIMENSIONAL DATA



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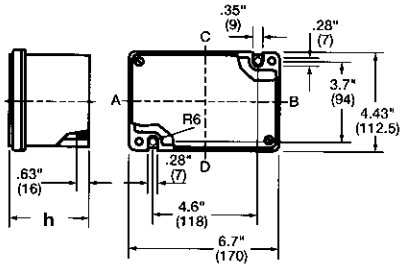

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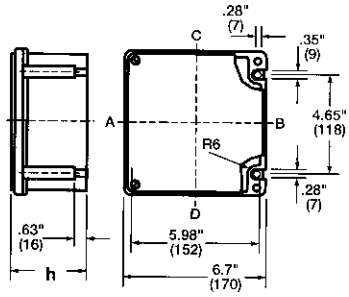

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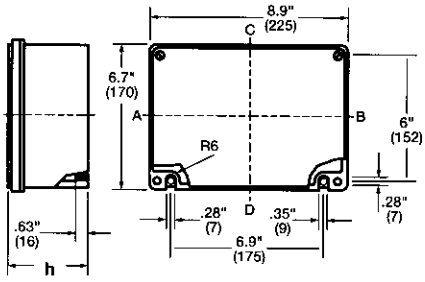

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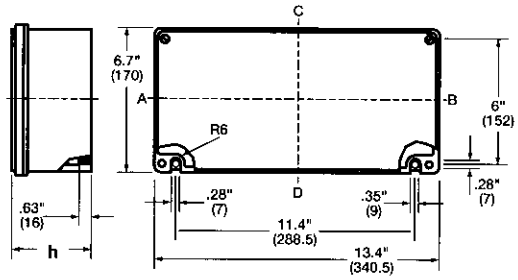

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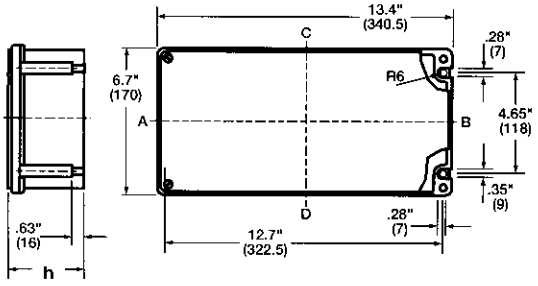

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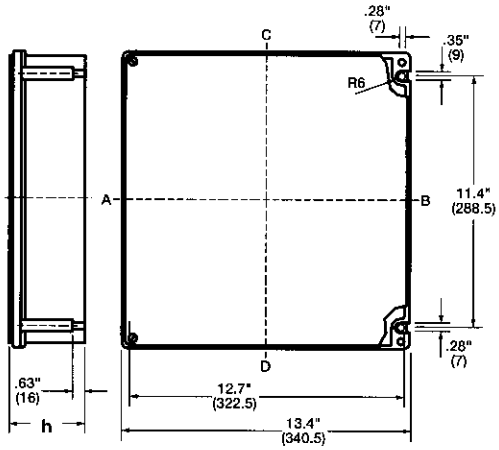

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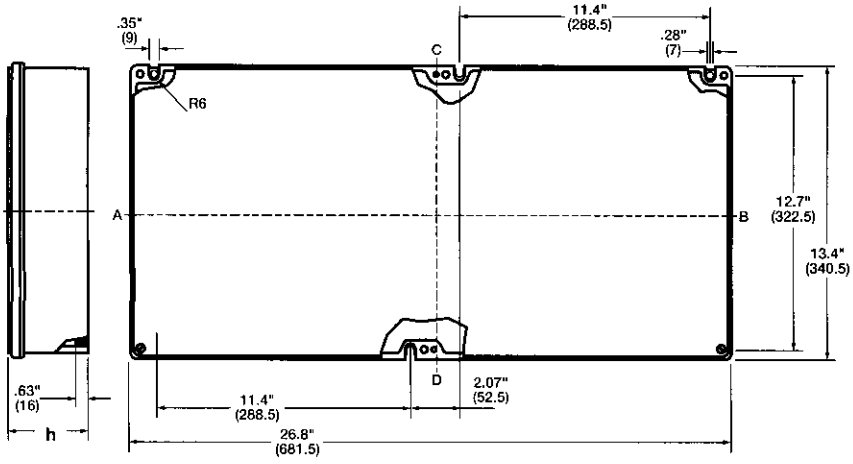
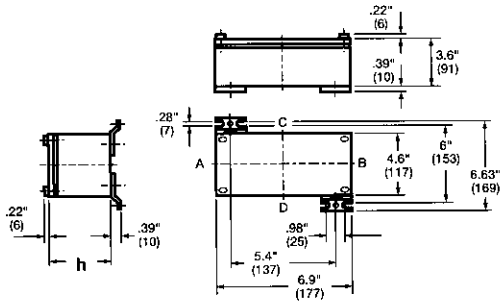


Size 09

AVAILABLE ENCLOSURE DEPTHS (h)						
ENCLOSURE SIZE	1 3.6" (91)	2 5.2" (131)	3 5.9" (150)	4 6.7" (171)	5 7.5" (190)	6 9" (230)
03	x	—	—	—	—	—
04	x	—	—	—	—	—
05	x	x	—	—	—	—
06	x	x	—	—	—	—
07	x	x	x	—	x	—
S7	x	—	x	—	—	—
08	x	x	x	x	x	x
09	x	x	x	—	x	—

HUBBELL
KILLARK®



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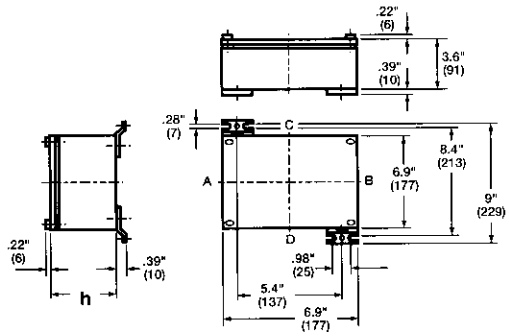

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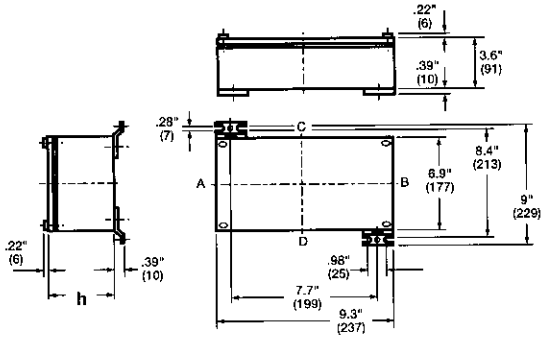

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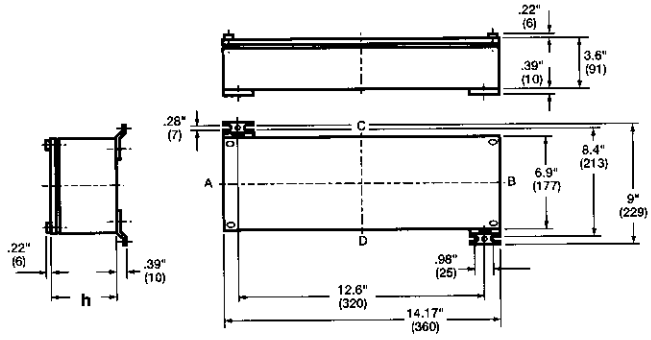

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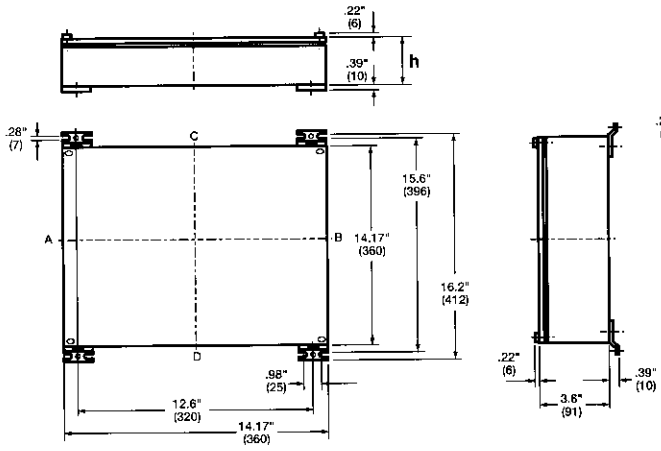

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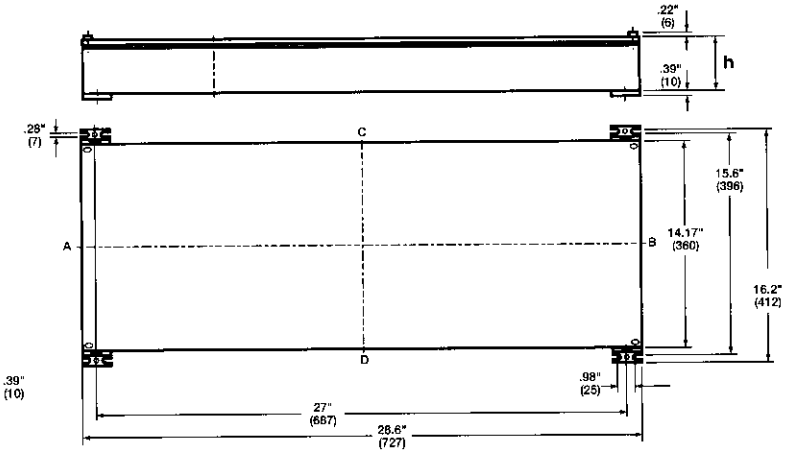


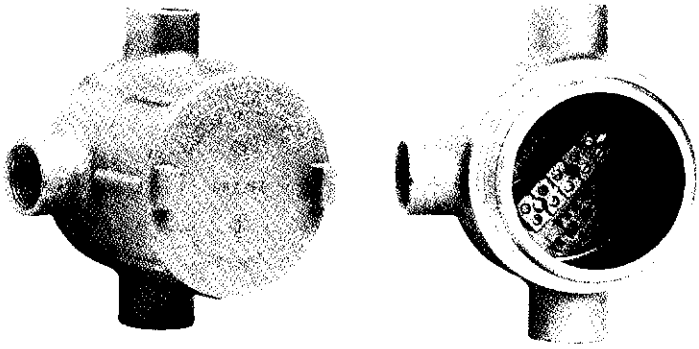
Size 09

** TEC/TED/TIC/TID dimensions vary slightly from those shown above. Please use these dimensions for general space consideration only. Other size enclosures available on request.*

AVAILABLE ENCLOSURE DEPTHS (h)				
ENCLOSURE SIZE	1 3.6"(91)	3 5.9"(150)	5 7.5"(190)	6 9"(230)
04	x	—	—	—
05	x	—	—	—
06	x	x	—	—
07	x	x	—	—
08	x	x	x	x
09	x	x	x	—

HUBBELL®
KILLARK®

GE SERIES • ENCLOSURES
ALUMINUM OUTLET BODIES WITH TERMINAL BLOCK



GECTT-2-6TB

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D), 9(E,F,G)

Listed - File E10514

Certified - File LR11716

FEATURES-SPECIFICATIONS

Applications

GE series conduit boxes with terminals are installed in conduit systems within hazardous areas to:

- Protect conductors in threaded rigid conduit
- Act as pull and splice boxes
- Interconnect lengths of conduit
- Change conduit direction
- Provide access to conductors for maintenance and future system changes
- Used to link electrical wires. Primary circuit brought into the enclosure is distributed to field control devices or sensors

Features

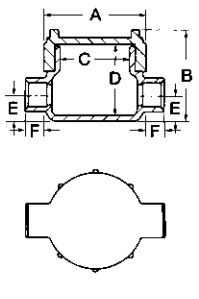
- Water shedding cover-suitable for wet locations when mounted in upright position
- External cover threads on body protecting conductors from damage during pulling
- No pinching of conductors during cover installation
- Three different hub arrangements
- Taper threaded hubs to provide ground continuity
- Smooth integral hub bushing to protect conductor insulation when pulling
- Weather-resistant finish
- Green ground screw standard in all boxes
- Weidmuller 6 point MK3 terminal block is mounted inside box on raised pads
- Terminal rated 300V max/20 AMP/for wire size #22--12AWG
- Hub type XTF furnished with mounting flange

Material/Finish

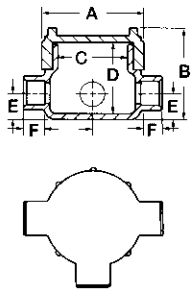
- Body and cover are copper-free aluminum (less than 4/10 of 1%)
- Finish-Electrostatically applied powder coating

GE SERIES OUTLET BOX WITH 6 POINT TERMINAL BLOCK

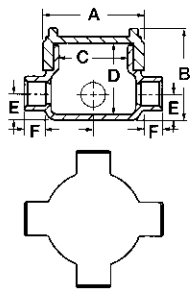
HUB TYPE	CATALOG NUMBER	HUB SIZE	A	B	C	D	E	F	COVER OPENING	VOLUME CU. IN.
C	GECCT-2-6TB	3/4"	3-11/16" (94)	3-5/8" (92)	2-11/16" (68)	2-3/4" (70)	1" (25)	13/16" (21)	2-11/16" (68)	19
T	GECTT-2-6TB	3/4"								
X	GECXT-2-6TB	3/4"								
XTF	GECXTF-2-6TB	3/4"								



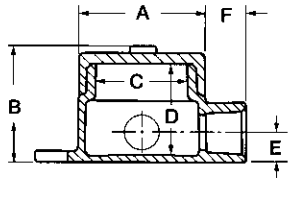
C Type

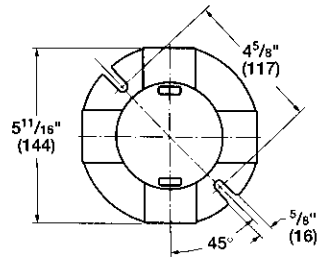


T Type



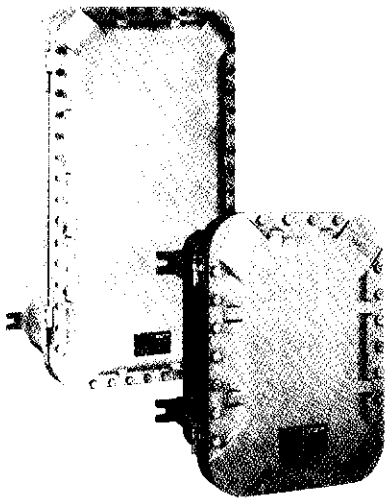
X Type





XTF Type
With Mounting Flange

HUBBELL
KILLARK®



**Class I, Div. 1 & 2,
Groups B,C,D
Class I, Zone 1 & 2
Groups IIB+H_2, IIA
Class II, Div. 1 & 2,
Groups E,F,G
Class III, Div. 1 & 2
(Conduits must be sealed within 18" for Group B applications.)
NEMA 3, 4, 7(B,C,D), 9(E,F,G)
(NEMA 4X with optional SU1 modification.)
CENELEC - EEx IIB, T6 or T5
(with CEN suffix)***

- #UL886 - Outlet Boxes and Fittings for use in Hazardous (Classified) Locations. File #E10514
- #UL698 & #UL1203 - Explosion Proof and Dust Ignition Proof Electrical Equipment. Files #E83969 & E12379
- #C22.2 No. 30-M1986 -Explosion Proof Enclosure for use in Class I Hazardous Locations. FILE #LR11716

CENELEC Ex PTB Certificate of Conformity PTB No. EX-97.D.1049 (with CEN suffix)*

QUANTUM

FEATURES-SPECIFICATIONS

Applications

- Locations made hazardous due to the presence of flammable gases or vapors, combustible dust, or easily ignitable fibers and flyings, and areas which are subject to corrosion, weather and dampness
- Petroleum Refineries, Chemical and Petrochemical plants with indoor and outdoor processes
- Applications requiring junction, pull and/or splices boxes
- Enclosure to house control stations, meters, relays, starters, circuit breakers, terminal blocks and other equipment or devices

• Global applications*

**Enclosures are available for global applications with "CEN" suffix.
Assemblies that are modified to CENELEC standards maintain their North American certifications.**

*** See separate Explosion Proof enclosures CENELEC approved brochure for more information on CENELEC capabilities and modification. Contact factory or local representative for copy or details.**

- Enclosures are available blank or with factory modifications, options and accessories. See catalog pages E22-E27 for additional details

Features

- Copper-Free Cast Aluminum Construction. High strength, lighter in weight, corrosion resistant
- Fewer Cover Bolts. Computer-aided design lessens the number of cover bolts by eliminating corner bolts. Reduces installation and maintenance time
- Gasketed Flange. Nitrile (BUNA-N) "O" ring gasket is located inside bolt circle to prevent water seeping into enclosure
- Ductile Mounting Lugs. Lugs are made of ductile aluminum alloy to adjust to irregular mounting surfaces without damaging enclosure. Enclosure size 8x12x6 and larger furnished with bi-directional mounting lugs which may be positioned either vertically or horizontally to facilitate mounting
- Hinges. All enclosure sizes 8x12x6 and larger are supplied as standard with hinges mounted on the left side. Smaller enclosures are drilled for field installation of two Killark HINGE-9 assemblies or can be installed at factory by adding SU2 to catalog number. For hinges to be located in other positions, specify when ordering
- Recessed Flange Notches. Flanges are notched to allow for easier cover opening with prying instrument without flange damage
- Conduit Openings. Enclosures are cast with wall thickness suitable for drilling and tapping of conduit openings in all sides and back of boxes. Conduit size and location information is found on dimensional chart (see page E38). Conduits can be factory or field installed
- Mounting Pan Bosses. Mounting pan bosses are pre-drilled at factory for field mounting of optional mounting pan

Material/Finish

- Enclosure: Copper-free aluminum (less than 4/10 of 1%)
- Hinges: Aluminum with stainless steel hardware
- Cover Bolts: Steel with a cadmium plate, gold chromate finish or zinc plate with yellow chromate finish
- Optional Mounting Pans: Sheet aluminum
- Optional Windows: Tempered soda lime glass
- Aluminum Lacquer Paint Finish Standard

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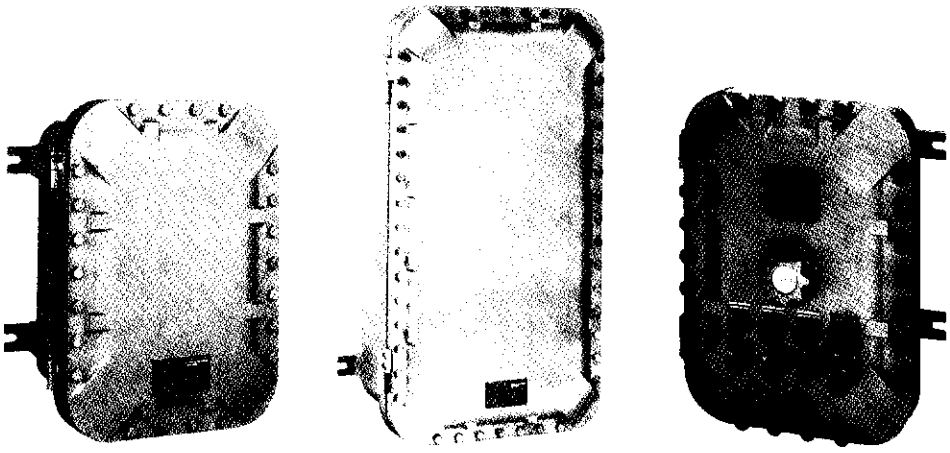

See page E11
for area classification
and certification information

FEATURES-SPECIFICATIONS

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
KIT-251	100 amp ground lug
KIT-252	225 amp ground lug
SU3①	Drain & breather installed (NEMA 7CD)
SU3B①②	Drain & breather installed (NEMA 7BCD)
SU94	Drill tap & plug for future drain and breather
SU2	Hinges installed (6x6, 8x8, 8x10 enclosure)
SU9	Special paint finish
SU14	Fungus proofing of enclosure
SU93	Do not paint enclosure
SU1	Stainless steel external hardware (NEMA 4X)

①*The installation of a Drain & Breather will void the NEMA 4-4X ratings of enclosure.*
② *Not CSA*

Hinges

Hinges are provided standard on all EXB boxes 8x12x6 and larger. Smaller size EXB boxes are factory drilled for field installation of (2) HINGE-9 on left side.

For replacement hinges use HINGE-11L for enclosures size 8x12x6 through 16x24x10. HINGE-10L is for use with box size 18x24x8 and larger. (See page E23 for hinge information.)

EXB JUNCTION BOXES AND ENCLOSURES②				
CATALOG NUMBER	NOMINAL ENCLOSURE INSIDE DIMENSIONS W" L" D"	MAXIMUM CONDUIT SIZE	OPTIONAL MOUNTING PAN NUMBER	MAXIMUM NUMBER OF OPERATORS†
EXB-664 N34	6x6x4	2"	7997-5	2 rows of 2 = 4
EXB-886 N34	8x8x6	2"	7996-1	3 rows of 3 = 9
EXB-8104 N34 *	8x10x4	2"	7996-2	4 rows of 3 = 12
EXB-8106 N34	8x10x6	3"	7996-2	4 rows of 3 = 12
EXB-8126 N34 *	8x12x6	3"	17619	4 rows of 3 = 12
EXB-8128 N34 *	8x12x8	4"	17619	4 rows of 3 = 12
EXB-10106 N34 *	10x10x6	3"	17618	3 rows of 3 = 9
EXB-10108 N34 *	10x10x8	5"	17618	3 rows of 3 = 9
EXB-10146 N34 *	10x14x6	3"	17617	5 rows of 3 = 15
EXB-10148 N34 *	10x14x8	5"	17617	5 rows of 3 = 15
EXB-12126 N34	12x12x6	3"	7988-1	4 rows of 4 = 16
EXB-12128 N34	12x12x8	5"	7988-1	4 rows of 4 = 16
EXB-12186 N34	12x18x6	3"	15515	7 rows of 4 = 28
EXB-12188 N34	12x18x8	5"	15515	7 rows of 4 = 28
EXB-12246 N34	12x24x6	3"	7988-4	9 rows of 4 = 36
EXB-12248 N34	12x24x8	5"	7988-4	9 rows of 4 = 36
EXB-122412 N34*Δ	12x24x12	5"	7988-4	9 rows of 4 = 36
EXB-12368 N34 *	12x36x8	5"	17620	14 rows of 4 = 56
EXB-123610 N34 *	12x36x10	6"	17620	14 rows of 4 = 56
EXB-14146 N34 *	14x14x6	3"	17621	5 rows of 5 = 25
EXB-14148 N34 *	14x14x8	5"	17621	5 rows of 5 = 25
EXB-16166 N34	16x16x6	3"	7995-1	6 rows of 6 = 36
EXB-16168 N34	16x16x8	5"	7995-1	6 rows of 6 = 36
EXB-16248 N34 *	16x24x8	5"	17622	8 rows of 5 = 40
EXB-162410 N34 *	16x24x10	6"	17622	8 rows of 5 = 40
EXB-18186 N34 *	18x18x6	3"	17623	6 rows of 6 = 36
EXB-18188 N34 *	18x18x8	5"	17623	6 rows of 6 = 36
EXB-18248 N34	18x24x8	5"	15516	9 rows of 7 = 63
EXB-182410 N34	18x24x10	6"	15516	9 rows of 7 = 63
EXB-18368 N34	18x36x8	5"	15517	13 rows of 6 = 78
EXB-183610 N34	18x36x10	6"	15517	13 rows of 6 = 78
EXB-203611 N34 *	20x36x11	6"	17596	13 rows of 7 = 91
EXB-24248 N34	24x24x8	5"	8000-1	9 rows of 9 = 81
EXB-242410 N34	24x24x10	6"	8000-1	9 rows of 9 = 81
EXB-24308 N34 *Δ	24x30x8	5"	20567	9 rows of 7 = 63
EXB-24368 N34 *	24x36x8	5"	17624	11 rows of 7 = 77
EXB-243610 N34 *	24x36x10	6"	17624	11 rows of 7 = 77

** Indicates new sizes now available. Order Mounting pan as separate item and specify if factory or field installed.*
Δ CENELEC pending on EXB-122412 N34 & EXB-24308 N34.
† Maximum number of "G" series control operators permitted in cover, down + across = total. Use long style "G" series operators on boxes up to 16 x 16 x 8. Use extended style "G" series operators on boxes 16 x 24 x 8 and larger.
② For Group B applications all conduit openings must be sealed within 18" of enclosures.

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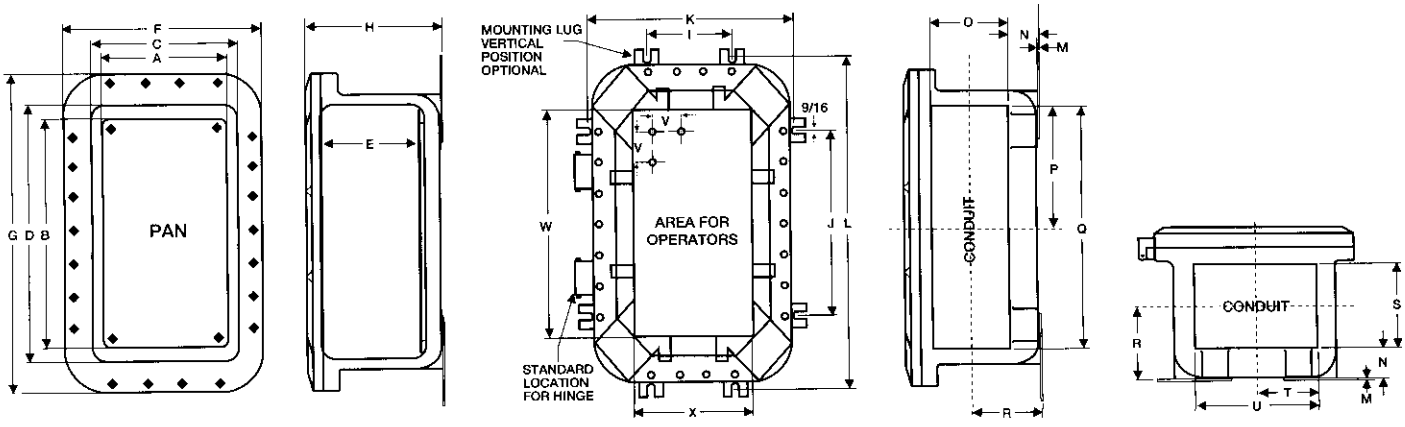
EXB DIMENSIONS

CATALOG NUMBER	INTERNAL DIMENSIONS (INCHES)					EXTERNAL DIMENSIONS (INCHES)			MOUNTING DIMENSIONS (INCHES)				
	PAN		AVAILABLE FOR DEVICES										
	A	B	C	D	E	F	G	H	I	J	K	L	M
EXB-664 N34	5	5	5.73	5.73	4.31	10.32	10.32	6.09	N/A	4.00	7.88	N/A	0.19
EXB-886 N34	7	7	7.59	7.59	6.06	12.32	12.32	8.09	N/A	6.00	9.88	N/A	0.19
EXB-8104 N34	7	9	7.73	9.73	4.06	12.32	14.32	6.32	N/A	8.00	9.88	N/A	0.19
EXB-8106 N34	7	9	7.59	9.59	6.06	12.32	14.32	8.32	N/A	8.00	9.88	N/A	0.19
EXB-8126 N34	7	11	8	12	6.38	13.25	17.25	8.70	3.82	7.82	10.38	14.38	0.19
EXB-8128 N34	7	11	8	12	8.38	13.25	17.25	10.70	3.82	7.82	10.38	14.38	0.19
EXB-10106 N34	9	9	10	10	6.20	15.25	15.25	8.90	4.94	4.94	12.94	12.94	0.25
EXB-10108 N34	9	9	10	10	8.20	15.25	15.25	10.90	4.94	4.94	12.94	12.94	0.25
EXB-10146 N34	9	13	10	14	6.20	15.25	19.25	8.90	4.94	8.94	12.94	16.94	0.25
EXB-10148 N34	9	13	10	14	8.20	15.25	19.25	10.90	4.94	8.94	12.94	16.94	0.25
EXB-12126 N34	10.5	10.5	11.5	11.5	6.00	16.38	16.38	8.69	6.94	6.94	14.94	14.94	0.25
EXB-12128 N34	10.5	10.5	11.37	11.37	8.00	16.38	16.38	10.69	6.94	6.94	14.94	14.94	0.25
EXB-12186 N34	10	16	11.5	17.5	6.00	16.38	22.38	9.06	6.94	12.88	14.94	20.88	0.25
EXB-12188 N34	10	16	11.37	17.37	8.00	16.38	22.38	11.06	6.94	12.88	14.94	20.88	0.25
EXB-12246 N34	10.25	22.25	11.5	23.5	6.00	16.38	28.38	9.32	6.94	18.88	14.94	26.88	0.25
EXB-12248 N34	10.25	22.25	11.37	23.37	8.00	16.38	28.38	11.32	6.94	18.88	14.94	26.88	0.25
EXB-122412 N34	10.25	22.25	11.37	23.37	12.00	16.38	28.38	15.32	6.94	18.88	14.94	26.88	0.25
EXB-12368 N34	11	35	12	36	8.12	17.25	41.25	11.40	7.00	31.00	15.00	39.00	0.25
EXB-123610 N34	11	35	12	36	10.12	17.25	41.25	13.40	7.00	31.00	15.00	39.00	0.25
EXB-14146 N34	13	13	14	14	6.20	19.25	19.25	9.40	9.00	9.00	17.00	17.00	0.25
EXB-14148 N34	13	13	14	14	8.20	19.25	19.25	11.40	9.00	9.00	17.00	17.00	0.25
EXB-16166 N34	14	14	15.5	15.5	6.00	20.38	20.38	9.19	10.94	10.94	18.94	18.94	0.25
EXB-16168 N34	14	14	15.37	15.37	8.00	20.38	20.38	11.19	10.94	10.94	18.94	18.94	0.25
EXB-16248 N34	15	23	16	24	8.12	21.25	29.25	12.00	11.38	19.38	19.38	27.38	0.25
EXB-162410 N34	15	23	16	24	10.12	21.25	29.25	14.00	11.38	19.38	19.38	27.38	0.25
EXB-18186 N34	17	17	18	18	6.12	23.25	23.25	10.00	13.38	13.38	21.38	21.38	0.25
EXB-18188 N34	17	17	18	18	8.12	23.25	23.25	12.00	13.38	13.38	21.38	21.38	0.25
EXB-18248 N34	16.38	22.13	17.37	23.37	8.00	22.38	28.38	11.75	13.00	19.00	21.00	27.00	0.25
EXB-182410 N34	16.38	22.13	17.23	23.23	10.00	22.38	28.38	13.75	13.00	19.00	21.25	27.00	0.25
EXB-18368 N34	16	34	17.37	35.37	8.00	22.38	40.38	12.38	13.25	31.50	21.00	39.50	0.25
EXB-183610 N34	16	34	17.23	35.23	10.00	22.38	40.38	14.38	13.25	31.50	21.25	39.50	0.25
EXB-203611 N34	18.75	34.75	20.14	36.14	11.13	26.44	42.44	15.56	15.75	31.75	23.75	39.75	0.25
EXB-24248 N34	22.25	22.25	23.37	23.37	8.06	28.38	28.38	12.19	19.50	19.50	27.50	27.50	0.25
EXB-242410 N34	22.25	22.25	23.23	23.23	10.06	28.38	28.38	14.19	19.50	19.50	27.50	27.50	0.25
EXB-24308 N34	23	29	24	30	8.12	28.38	35.25	12.40	19.56	25.56	27.56	33.56	0.25
EXB-24368 N34	23	35	24	36	8.12	28.38	41.25	12.40	19.56	31.56	27.56	39.56	0.25
EXB-243610 N34	23	35	24	36	10.12	28.38	41.25	14.40	19.56	31.56	27.56	39.56	0.25

Full dimensional details are available on .DFX or .DWG format. Contact factory or local representative for details.



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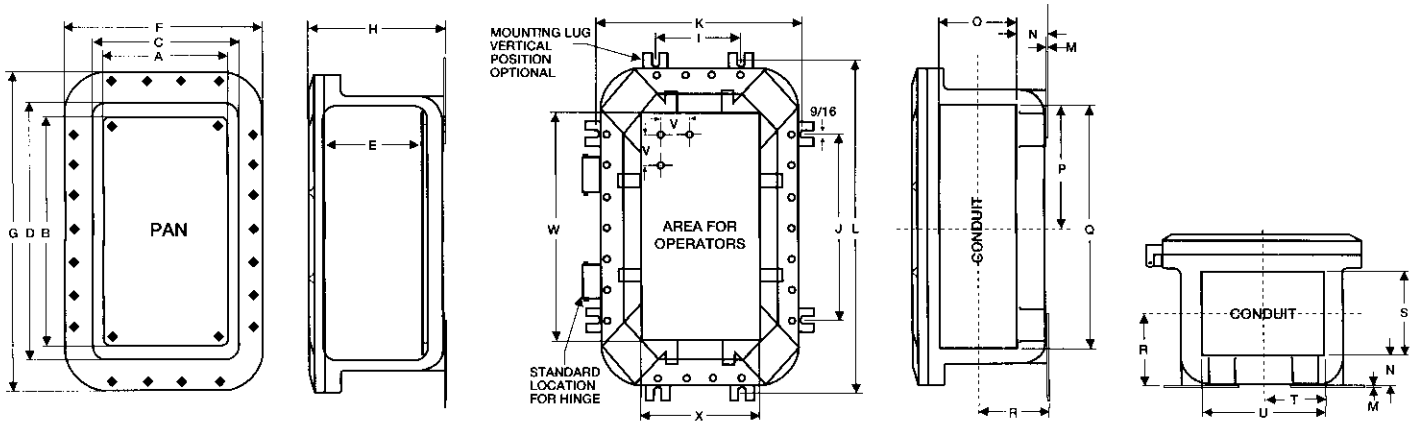
EXB CONDUIT & OPERATOR LAYOUT INFORMATION

CATALOG NUMBER	CONDUIT AREA								OPERATOR AREA AND SPECS		
	N	O	P	Q	R	S	T	U	V	W	X
EXB-664 N34	1.18	2.81	2.44	4.88	2.75	2.81	2.44	4.88	2.5	5	5
EXB-886 N34	1.18	4.81	3.44	6.88	3.75	4.81	3.44	6.88	2.5	7	7
EXB-8104 N34	1.18	2.81	4.44	8.88	2.75	2.81	3.44	6.88	2.5	9	7
EXB-8106 N34	1.18	4.18	4.44	8.88	3.45	4.81	3.44	6.88	2.5	9	7
EXB-8126 N34	1.78	3.75	5	10	3.66	3.75	3	6	2.5	11	7
EXB-8128 N34	1.78	5.75	5	10	4.66	5.75	3	6	2.5	11	7
EXB-10106 N34	1.91	3.75	4	8	3.79	3.75	4	8	2.5	9	9
EXB-10108 N34	1.91	5.75	4	8	4.79	5.75	4	8	2.5	9	9
EXB-10146 N34	1.91	3.75	6	12	3.79	3.75	4	8	2.5	13	9
EXB-10148 N34	1.91	5.75	6	12	4.79	5.75	4	8	2.5	13	9
EXB-12126 N34	1.88	3.81	4.94	9.88	4.00	3.81	4.94	9.88	2.5	10	10
EXB-12128 N34	1.88	5.81	4.94	9.88	5.00	5.81	4.94	9.88	2.5	10	10
EXB-12186 N34	2.06	3.13	7.94	15.88	3.88	3.75	4.94	9.88	2.5	16	10
EXB-12188 N34	2.06	5.13	7.94	15.88	4.88	5.75	4.94	9.88	2.5	16	10
EXB-12246 N34	2.13	3.13	10.94	21.88	3.94	3.81	4.94	9.88	2.5	22.25	10.25
EXB-12248 N34	2.13	5.13	10.94	21.88	4.94	5.81	4.94	9.88	2.5	22.25	10.25
EXB-122412 N34	2.13	9.13	10.94	21.88	6.94	9.81	4.94	9.88	2.5	22.25	10.25
EXB-12368 N34	2.09	5.75	17	34	4.97	5.75	10	20	2.5	35	11
EXB-123610 N34	2.09	7.75	17	34	5.97	7.75	5	10	2.5	35	11
EXB-14146 N34	2.09	3.75	6	12	3.97	3.75	6	12	2.5	13	13
EXB-14148 N34	2.09	5.75	6	12	4.97	5.75	12	24	2.5	13	13
EXB-16166 N34	2.06	3.75	6.94	13.88	4.18	3.75	6.94	13.88	2.5	14	14
EXB-16168 N34	2.06	5.75	6.94	13.88	5.18	5.75	6.94	13.88	2.5	14	14
EXB-16248 N34	2.34	5.75	11	22	5.22	5.75	7	14	2.5	22	14
EXB-162410 N34	2.34	7.75	11	22	6.22	7.75	7	14	2.5	22	14
EXB-18186 N34	2.34	3.75	8	16	4.22	3.75	8	16	2.5	16	16
EXB-18188 N34	2.34	5.75	8	16	5.22	5.75	8	16	2.5	16	16
EXB-18248 N34	2.32	4.88	10.94	21.88	5.00	5.56	7.94	15.88	2.5	22	16
EXB-182410 N34	2.32	6.88	10.94	21.88	6.00	8.56	7.94	15.88	2.5	22	16
EXB-18368 N34	2.50	4.88	16.94	33.88	5.18	6.06	7.94	15.88	2.5	34	16
EXB-183610 N34	2.50	6.88	16.94	33.88	6.18	8.06	7.94	15.88	2.5	34	16
EXB-203611 N34	2.47	8.44	16.72	33.97	6.88	8.47	8.72	17.47	2.5	34.88	18.88
EXB-24248 N34	2.88	5.50	10.88	21.88	5.88	5.50	10.94	21.88	2.5	22	22
EXB-242410 N34	2.88	7.50	10.88	21.88	6.88	7.50	10.94	21.88	2.5	22	22
EXB-24308 N34	2.47	5.75	14	28	5.35	5.75	11	22	3.0	28	22
EXB-24368 N34	2.47	5.75	17	34	5.35	5.75	11	22	3.0	34	22
EXB-243610 N34	2.47	7.75	17	34	6.35	7.75	11	22	3.0	34	22

Full dimensional details are available on .DFX or .DWG format. Contact factory or local representative for details.



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PRISM

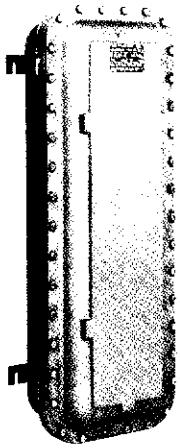
Applications

- Locations made hazardous due to the presence of flammable gases or vapors, combustible dust, or easily ignitable fibers and flyings, and areas which are subject to corrosion, weather and dampness
- Petroleum Refineries, Chemical and Petrochemical plants with indoor and outdoor process
- Applications requiring junction, pull and/or splice boxes
- Enclosures to house control stations, relays, starters, circuit breakers, terminal blocks and other equipment or devices

• *(Lens viewing windows cannot be added to the Prism Series Enclosures. Use Killark Quantum Enclosures where viewing windows are required.)*

Features

- Copper-Free Cast Aluminum construction. High strength, lighter in weight, corrosion resistant
- Quick Release, Captivated Cover Bolts of 316 Grade Stainless Steel. Triple-lead bolts require only 3-1/2 turns to disengage. Stainless steel (316 grade) for maximum protection from corrosion



Class I, Div. 1 & 2,
Groups B,C,D[1]
Class I, Zone 1 & 2
Groups IIB+H_2, IIA
Class II, Div. 1 & 2,
Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)

UL #UL1203 - Explosion proof and dust-ignition-proof electrical equipment for use in hazardous (classified) locations. File #E83969

SP #C22.2 No. 30-M1986-Explosion-proof Enclosure for use in Class I Hazardous Locations. FILE #LR11716

FEATURES-SPECIFICATIONS

- Gasketed Flange. Nitrile (BUNA-N) "O" ring gasket is located inside bolt circle to prevent water seeping into enclosure
- Ductile Mounting Lugs. Lugs are made of ductile aluminum alloy to adjust to irregular mounting surfaces without damage to enclosure
- Hinged Cover is Standard
- Recessed Flange Notches. Flanges are notched to allow for easier cover opening with prying instrument without flange damage
- Conduit Openings. Conduit openings can be supplied at factory, or can be field installed. See page E38

Material/Finish

- Enclosure: Cast Copper-free Aluminum (less than 4/10 of 1%)
- Hinges: Aluminum with stainless steel hardware
- Cover Bolts: 316 Grade Stainless Steel
- Aluminum Lacquer Paint Finish Standard

E

B7E JUNCTION BOXES AND ENCLOSURES

CATALOG NUMBER	DIMENSIONS (SEE PAGE E16)								DRAWING FIGURE	MAXIMUM CONDUIT SIZE		MAXIMUM NUMBER OF OPERATORS†
	NOMINAL INSIDE			OUTSIDE			MOUNTING					
	WIDTH (A)	LENGTH (B)	DEPTH (C)	WIDTH (D)	LENGTH (E)	DEPTH (F)	WIDTH (G)	LENGTH (H)		TOP & BOTTOM	SIDES	
B7EA	6-1/2"	13-1/2"	6-11/16"	11"	18"	9-1/8"	3-5/8"	16-3/8"	1	1-1/2"	1"	4 rows of 2 = 8
B7EB	10"	18-1/2"	6-5/8"	14-1/2"	23"	9-1/8"	7"	21-3/8"	1	1-1/2"	1"	7 rows of 3 = 21
B7EC	8"	15 1/2"	6-11/16"	12-1/2"	20"	9-1/8"	5"	18-3/8"	1	1-1/2"	1"	5 rows of 2 = 10
B7ED	10"	21"	6-11/16"	14-1/2"	25-1/2"	9-1/8"	7"	23-7/8"	1	1-1/2"	1"	8 rows of 3 = 24
B7EE	8"	21-3/4"	8-5/16"	12-1/2"	26-1/4"	10-3/4"	5"	24-5/8"	1	2"	2"	8 rows of 2 = 16
B7EF	13"	22-3/4"	8-3/8"	17-7/8"	27-1/4"	11"	10-3/8"	25-5/8"	1	4"	4"	8 rows of 4 = 32
B7EG	12"	29-3/4"	8-7/8"	16-1/2"	34-1/4"	11-1/2"	9"	32-5/8"	1	5"	4"	9 rows of 3 = 27
B7EH	17"	29-3/4"	8-11/16"	21-1/2"	34-1/4"	11-7/8"	14"	32-5/8"	1	5"	4"	9 rows of 5 = 45
B7EJ	15-1/2"	57-1/2"	9-5/16"	20-1/4"	62-1/4"	15"	18-1/2"	43-1/2"	2	5"	5"	18 rows of 4 = 72
B7EK	13"	20"	6-5/8"	17-1/2"	24-3/4"	9-1/2"	15-1/4"	13"	2	3"	1-1/2"	6 rows of 4 = 24
B7EL	13"	29"	6-5/8"	17-1/2"	33-3/8"	9-1/2"	15-1/4"	21"	2	3"	1-1/2"	9 rows of 4 = 36
B7EM	13"	41"	6-5/8"	17-1/2"	45-3/8"	9-1/2"	15-1/4"	33"	2	3"	1-1/2"	14 rows of 4 = 56
B7EN	13"	50"	6-5/8"	17-1/2"	54-3/8"	9-1/2"	15-1/4"	42"	2	3"	1-1/2"	17 rows of 4 = 68

1. All Conduits must be sealed within 18" when used in Group B Locations.
2. Operator spacing is 2-1/2" ℄ to ℄ except on B7EG & B7EH spacing is 3" ℄ to ℄.
3. Internal Mounting Pan Thickness is 1/8" except on B7EJ it is 3/16" thick.
4. B7EJ Enclosure Cover has an Internal Rib Structure. Consult Killark for drawing details before layout of cover devices.
† Maximum number of "G" series control operators permitted in cover, down + across = total.

FEATURES-SPECIFICATIONS

B7E JUNCTION BOXES AND ENCLOSURES			
CATALOG NUMBER	PAN		
	CATALOG NUMBER	WIDTH (J)	LENGTH (K)
B7EA	19919	5"	11-3/4"
B7EB	19920	8-1/4"	16-3/4"
B7EC	18245	6-1/4"	13-3/4"
B7ED	19921	8-3/8"	19-3/8"
B7EE	19923	6-3/8"	20-3/8"
B7EF	18472	11-5/8"	21-1/4"
B7EG	19924	10"	28"
B7EH	19925	15-3/8"	28-3/8"
B7EJ	18279	13-1/2"	54"
B7EK	19926	11"	18"
B7EL	19927	11"	27"
B7EM	19928	11"	39"
B7EN	19929	11"	47"

1. *All Conduits must be sealed within 18" when used in Group B Locations.*
2. *Operator spacing is 2-1/2" ℄ to ℄ except on B7EG & B7EH spacing is 3" ℄ to ℄.*
3. *Internal Mounting Pan Thickness is 1/8" except on B7EJ it is 3/16" thick.*
4. *B7EJ Enclosure Cover has an Internal Rib Structure. Consult Killark for drawing details before layout of cover devices.*

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
KIT-251	100 amp ground lug
KIT-252	225 amp ground lug
SU3①	Drain & breather installed (NEMA 7CD)
SU3B①②	Drain & breather installed (NEMA 7BCD)
SU94	"Drill, tap & plug for future" drain & breather
SU9	Special paint finish
SU14	Fungus proofing of enclosure
SU93	Do not paint enclosure

① *The installation of a Drain & Breather will void the NEMA 4-4X rating of enclosure.*
② *Not CSA.*

Dimensions
(See page E15)

Figure 1

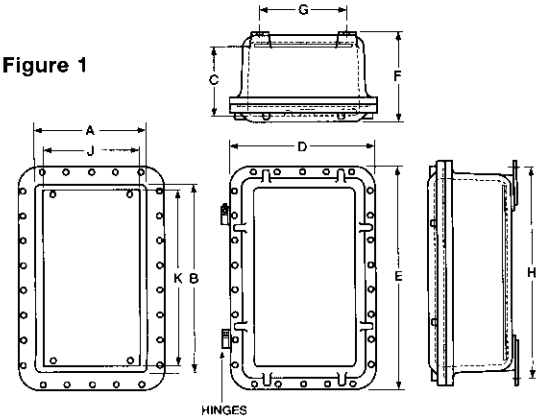
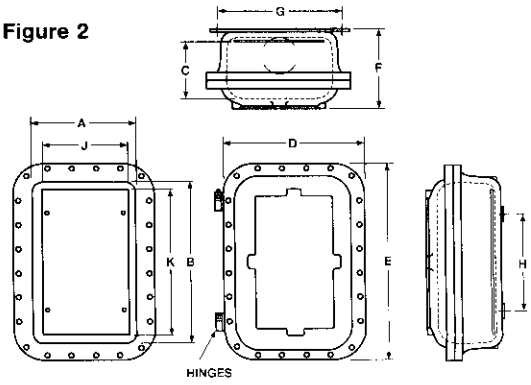


Figure 2



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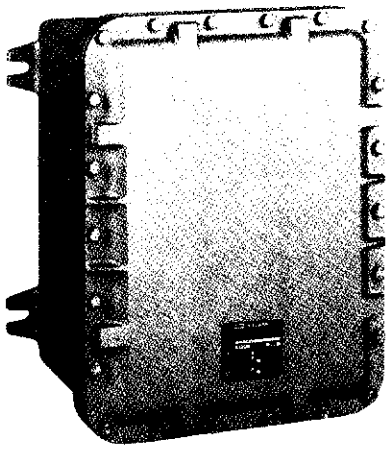


Class I, Div. 1 & 2, Groups C,D*
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D*) 9(E,F,G)

LISTED - FILE E10514

CERTIFIED - FILE LR11716

Contact Killark for current approvals.
See files for details or call Killark.

Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants, storage areas and other processing facilities where hazardous substances are handled or stored
- Use as a junction or pull box or to enclose control stations, meters, relays, starters, terminals or other equipment or devices

Features

- Copper-free cast aluminum alloy (less than 4/10 of 1%)
- Cover bolts are steel, CAD plated or zinc plate with yellow chromate finish
- Mounting lugs cast as standard
- Hinges are available and can be mounted on either right or left side of box (hinges are mounted on left side unless specified otherwise)
- Mounting pans are available and are 1/8" thick sheet aluminum

FEATURES-SPECIFICATIONS

Conduit Openings

All boxes are cast with wall thickness suitable for drilling and tapping conduit openings which may be factory or field installed. Drilled and tapped openings can be provided on any of the four sides or the back (size limitations of conduit opening shown with dimensional information). For custom drilled openings refer to page E38.

Drilled and tapped openings may be added in the field, if desired.

Modifications

Enclosures are available blank or with factory modifications, options and accessories. See catalog pages E22-27 for additional details.

XB JUNCTION BOX ORDERING INFORMATION AND DIMENSIONS

CATALOG NUMBER	NOMINAL INSIDE BOX SIZE			MAXIMUM CONDUIT SIZE	MOUNTING DIMENSIONS			OUTSIDE BOX DIMENSIONS				CATALOG NUMBER		NUMBER OF OPERATORS†
	W	L	D		A	B	C	D	E	G	H	OPTIONAL HINGE TYPE②	OPTIONAL MOUNTING PAN②	
XB-444①	4"	4"	4"	2"	2"	5-7/8"	3/8"	6"	6"	4-1/2"	5-1/2"	HINGE-9	9547-1	1 row of 1 = 1
XB-464①	4"	6"	4"	2"	4"	5-7/8"	3/8"	8"	6"	4-1/2"	5-1/2"	HINGE-9	9547-2	2 rows of 1 = 2
XB-664	6"	6"	4"	2"	4"	7-5/8"	3/8"	8"	8"	4-1/2"	5-1/2"	HINGE-9	7997-5	2 rows of 2 = 4
XB-684①	6"	8"	4"	2"	6"	7-7/8"	3/8"	10"	8"	4-1/2"	5-3/4"	HINGE-9	7997-1	3 rows of 2 = 6
XB-884	8"	8"	4"	2"	6"	10-7/16"	3/8"	11"	11"	4-5/8"	6"	HINGE-11L	7996-1	3 rows of 3 = 9
XB-886	8"	8"	6"	2"	6"	10-7/16"	3/8"	11"	11"	6-5/8"	8"	HINGE-11L	7996-1	3 rows of 3 = 9
XB-8106	8"	10"	6"	2"	6"	10-1/2"	3/8"	13"	11"	6-5/8"	8"	HINGE-11L	7996-2	3 rows of 3 = 9
XB-10126	10"	12"	6"	2"	6"	12-1/2"	1/2"	15"	13"	6-5/8"	8"	HINGE-11L	7994-1	4 rows of 4 = 16
XB-12126	12"	12"	6"	2"	6"	14-1/2"	1/2"	15"	15"	6-11/16"	8-1/8"	HINGE-11L	7988-1	4 rows of 4 = 16
XB-12128	12"	12"	8"	4"	6"	14-1/2"	1/2"	15"	15"	8-11/16"	10-1/8"	HINGE-11L	7988-1	4 rows of 4 = 16
XB-12168	12"	16"	8"	4"	12"	14-1/2"	1/2"	19"	15"	8-7/8"	10-5/16"	HINGE-11L	7988-2	6 rows of 4 = 24
XB-12245	12"	24"	5"	3"	19-1/2"	14-3/4"	1/2"	26-3/4"	14-3/4"	6-1/8"	7-1/2"	HINGE-11L	7988-4	9 rows of 4 = 36
XB-12248	12"	24"	8"	4"	19-1/2"	14-3/8"	1/2"	27"	15"	9-3/16"	11-3/8"	HINGE-11L	7988-4	9 rows of 4 = 36

MODIFICATIONS

SUFFIX NUMBER	DESCRIPTION
SU1	Stainless steel cover bolts
SU2	Hinge installed
SU3	Drain and breather installed
KIT-251	100 AMP ground lug
KIT-252	225 AMP ground lug

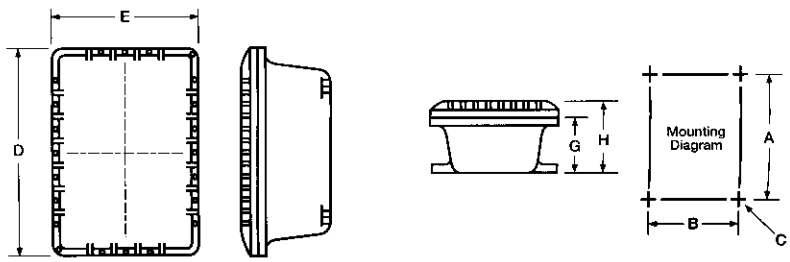
① Conduits must be sealed within 18" in Group C locations.

② Hinges or mounting pans not included as standard. For ordering information see pages E22 and E23.

** NOTE: Some XB series enclosures suitable for Group D only – contact factory.*

† Maximum number of "G" series control operators permitted in cover, down + across = total. Use long style "G" series operators.

Dimensions



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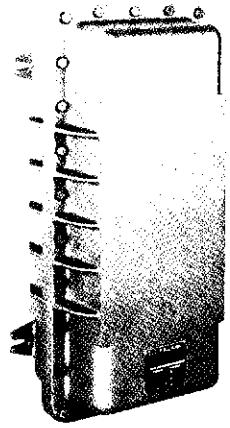
Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants, storage areas and other processing facilities where hazardous substances are handled or stored
- Use as a junction or pull box or to enclose control stations, meters, relays, starters, terminals or other equipment or devices

Features

- Extended cover designed to allow ease of installation and maintenance of enclosed equipment
- Mounting lugs cast as standard
- Copper-free cast aluminum alloy (less than 4/10 of 1%)
- Cover bolts are steel CAD plated or zinc plate with yellow chromate finish
- Hinges are available and can be mounted on either right or left side of box (hinges are mounted on left side unless specified otherwise)



Class I, Div. 1 & 2, Groups C,D*
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D*) 9(E,F,G)

Listed - File E10514

Certified - File LR11716

Contact Killark for current appprovals. See files for details or call Killark.

FEATURES-SPECIFICATIONS

- Mounting pans are 1/8" thick sheet aluminum
- Enclosures are available blank or with factory modifications, options and accessories. See catalog pages E22-E27 for additional details

Conduit Openings

All boxes are cast with wall thickness suitable for drilling and tapping of conduit openings which may be factory or field installed. Drilled and tapped openings can be provided on any four sides or back (size limitation of conduit opening shown with dimensional information). For custom drilled openings, refer to page E38.

XJB JUNCTION BOX ORDERING INFORMATION AND DIMENSIONS

CATALOG NUMBER	NOMINAL INSIDE BOX SIZE			MAXIMUM CONDUIT SIZE	MOUNTING DIMENSIONS			OUTSIDE BOX DIMENSIONS				CATALOG NUMBER		NUMBER OF OPERATORS†
	W	L	D		A	B	C	D	E	G	H	OPTIONAL HINGE TYPE②	OPTIONAL MOUNTING PAN②	
XJB-5104①	5"	10"	4"	3/4"	5-3/4"	7-7/32"	3/8"	13-1/4"	8-1/4"	2-1/2"	5"	HINGE-9	7998-4	4 rows of 2 = 8
XJB-5105①	5"	10"	5"	1-1/2"	5-3/4"	7-3/16"	3/8"	13-1/4"	8-1/4"	4"	6-1/2"	HINGE-9	7998-4	4 rows of 2 = 8
XJB-5106①	5"	10"	6"	1-1/2"	5-3/4"	7-3/32"	3/8"	13-1/4"	8-1/4"	4"	8"	HINGE-9	7998-4	4 rows of 2 = 8
XJB-5133①	5"	13"	3"	1-1/2"	8-1/4"	7-3/32"	3/8"	15-3/4"	8-1/4"	4"	5-1/2"	HINGE-9	7998-5	5 rows of 2 = 10
XJB-5135①	5"	13"	5"	1-1/2"	8-1/4"	7-1/4"	3/8"	15-3/4"	8-1/4"	4"	6-7/16"	HINGE-9	7998-5	5 rows of 2 = 10
XJB-5136	5"	13"	6"	2"	8-1/4"	7-1/4"	3/8"	15-3/4"	8-1/4"	4"	8"	HINGE-9	7998-5	5 rows of 2 = 10
XJB-6104①	6"	10"	4"	1"	5-1/2"	8-9/32"	3/8"	13"	9-1/2"	3"	6"	HINGE-9	7997-2	3 rows of 2 = 6
XJB-6105①	6"	10"	5"	1-1/2"	5-1/2"	8-5/32"	1/2"	13"	9-1/2"	4"	7"	HINGE-9	7997-2	3 rows of 2 = 6
XJB-6106①	6"	10"	6"	1-1/2"	5-1/2"	8-5/32"	1/2"	13"	9-1/2"	4"	8"	HINGE-9	7997-2	3 rows of 2 = 6
XJB-8104①	8"	10"	4"	1"	6"	10-9/16"	1/2"	13"	11"	3"	6"	HINGE-11L	7996-2	3 rows of 3 = 9
XJB-8105①	8"	10"	5"	1-1/2"	6"	10-9/16"	1/2"	13"	11"	4"	7"	HINGE-11L	7996-2	3 rows of 3 = 9

Additional sizes continued on next page.

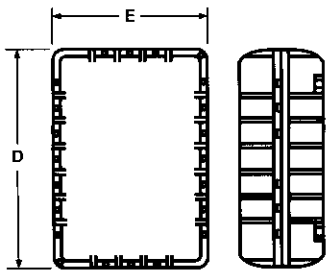
① *Conduits must be sealed within 18" in Group C locations.*
② *Hinges or mounting pans not included as standard. For ordering information see page E22 and E23.*
* *NOTE: Some XJB series enclosures suitable for Group D only - contact factory.*

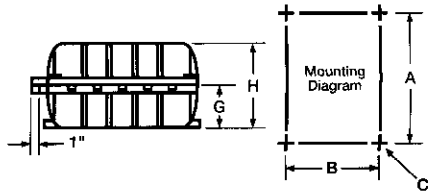
† *Maximum number of "G" series control operators permitted in cover, down + across = total. Use long style "G" series operators.*

Enclosures are available blank or with factory modifications, options and accessories. See catalog pages E22-E27 for additional details.

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
SU1	Stainless steel cover bolts
SU2	Hinge installed
SU3	Drain and breather installed
KIT-251	100 AMP ground lug
KIT-252	225 AMP ground lug

Dimensions





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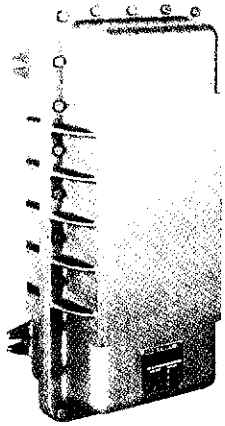


Class I, Div. 1 & 2, Groups C,D*
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D*), 9(E,F,G)

Listed - File E10514

Certified - File LR11716

Contact Killark for current appprovals.
See files for details or call Killark.

FEATURES-SPECIFICATIONS

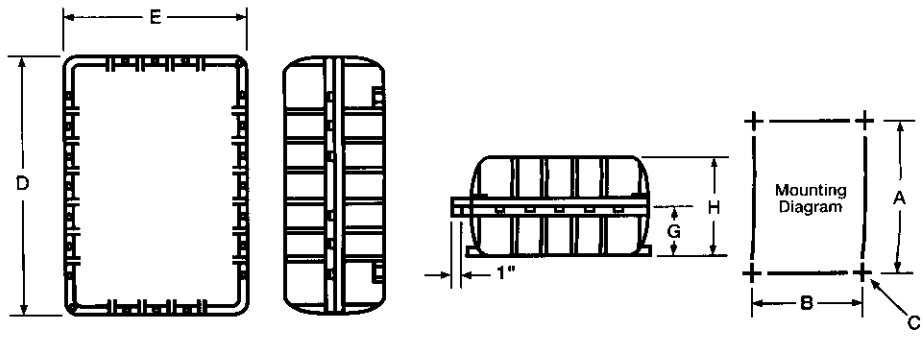
XJB JUNCTION BOX ORDERING INFORMATION AND DIMENSIONS

CATALOG NUMBER	NOMINAL INSIDE BOX SIZE			MAXIMUM CONDUIT SIZE	MOUNTING DIMENSIONS			OUTSIDE BOX DIMENSIONS				CATALOG NUMBER		MAXIMUM NUMBER OF OPERATORS†
	W	L	D		A	B	C	D	E	G	H	OPTIONAL HINGE TYPE②	OPTIONAL MOUNTING PAN②	
XJB-8106①	8"	10"	6"	1-1/2"	6"	10-9/16"	3/8"	13"	11"	4"	8"	HINGE-11L	7996-2	3 rows of 3 = 9
XJB-8136①	8"	13"	6"	2"	8-1/2"	10-9/16"	3/8"	16"	11"	4"	8"	HINGE-11L	7996-4	4 rows of 3 = 12
XJB-8156①	8"	15"	6"	2"	11-1/2"	10-9/16"	3/8"	18-1/2"	11"	4"	8"	HINGE-11L	7996-5	5 rows of 3 = 15
XJB-8158①	8"	15"	8"	4"	11-1/2"	10-9/16"	3/8"	18-1/2"	11"	6-1/8"	10-1/4"	HINGE-11L	7996-5	5 rows of 3 = 15
XJB-8186	8"	18"	6"	2"	13-1/2"	10-9/16"	3/8"	21"	11"	4"	8"	HINGE-11L	7996-6	6 rows of 3 = 18
XJB-8188	8"	18"	8"	4"	13-1/2"	10-9/16"	3/8"	21"	11"	6-1/8"	10-1/8"	HINGE-11L	7996-6	6 rows of 3 = 18
XJB-81810	8"	18"	10"	4"	13-1/2"	10-9/16"	3/8"	21"	11"	6-1/8"	12-1/4"	HINGE-11L	7996-6	6 rows of 3 = 18
XJB-12196①	12"	19"	6"	1-1/2"	14-1/2"	14-1/8"	1/2"	22"	15"	4"	8"	HINGE-11L	7988-3	7 rows of 4 = 28
XJB-12198①	12"	19"	8"	3-1/2"	14-1/2"	14-1/8"	1/2"	22"	15"	6-1/8"	10-1/8"	HINGE-11L	7988-3	7 rows of 4 = 28
XJB-121910①	12"	19"	10"	3-1/2"	14-1/2"	14-1/8"	1/2"	22"	15"	6-1/8"	12-1/4"	HINGE-11L	7988-3	7 rows of 4 = 28
XJB-12246①	12"	24"	6"	1-1/2"	19-1/2"	14-7/16"	1/2"	27"	15"	4"	8"	HINGE-11L	7988-4	9 rows of 4 = 36
XJB-12248①	12"	24"	8"	3"	19-1/2"	14-5/8"	1/2"	27"	15"	6-1/8"	10-1/8"	HINGE-11L	7988-4	9 rows of 4 = 36
XJB-12326	12"	32"	6"	2"	27-1/2"	14-1/2"	1/2"	35"	15"	4"	8"	HINGE-11L	7988-5	12 rows of 4 = 48
XJB-12328	12"	32"	8"	3-1/2"	27-1/2"	14-9/16v	1/2"	35"	15"	6-1/8"	10-1/8"	HINGE-11L	7988-5	12 rows of 4 = 48
XJB-16166	16"	16"	6"	1-1/2"	11-1/2"	18-7/8"	5/8"	19"	19"	4-1/4"	8-1/2"	HINGE-11L	7995-1	6 rows of 6 = 36
XJB-16168①	16"	16"	8"	4"	11-1/2"	18-7/8"	5/8"	19"	19"	6-5/16"	10-9/16"	HINGE-11L	7995-1	6 rows of 6 = 36
XJB-161610①	16"	16"	10"	4"	11-1/2"	18-7/8"	5/8"	19"	19"	6-5/16"	12-5/8"	HINGE-11L	7995-1	6 rows of 6 = 36
XJB-16246①	16"	24"	6"	2"	19-1/2"	18-9/16"	5/8"	27"	19"	4-1/4"	8-1/2"	HINGE-11L	7995-2	9 rows of 6 = 54
XJB-16248①	16"	24"	8"	4"	19-1/2"	18-9/16"	5/8"	27"	19"	6-1/4"	10-1/2"	HINGE-11L	7995-2	9 rows of 6 = 54
XJB-162410①	16"	24"	10"	4"	19-1/2"	18-9/16"	5/8"	27"	19"	6-1/4"	12-1/2"	HINGE-11L	7995-2	9 rows of 6 = 54
XJB-16326①	16"	32"	6"	2"	27-1/2"	18-9/16"	5/8"	35"	19"	4-1/2"	8-1/4"	HINGE-11L	7995-3	12 rows of 6 = 72

Additional sizes continued on next page.

① Conduits must be sealed within 18" in Group C locations.
② Hinges or mounting pans not included as standard. For ordering information see pages E22 and E23.
** NOTE: Some XJB series enclosures suitable for Group D only – contact factory.*
† Maximum number of "G" series operators permitted in cover, down + across = total. Use long style "G" series operators.

Dimensions



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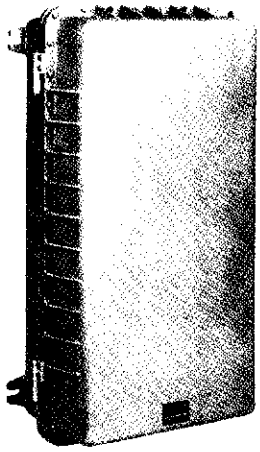


Class I, Div. 1 & 2, Groups C,D*
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D*), 9(E,F,G)

Listed - File E10514*

Certified - File LR11716

Contact Killark for current appprovals.
See files for details or call Killark.

*UL Listing Applies to XJB-8106 thru 122410 only.

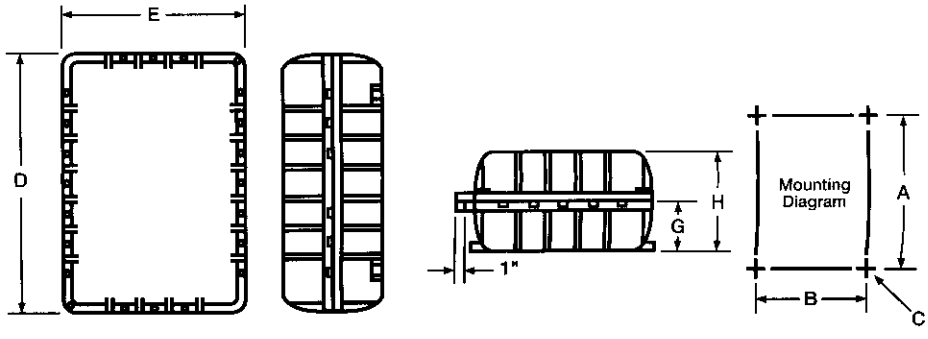
FEATURES-SPECIFICATIONS

XJB JUNCTION BOX ORDERING INFORMATION AND DIMENSIONS

CATALOG NUMBER	NOMINAL INSIDE BOX SIZE			MAXIMUM CONDUIT SIZE	MOUNTING DIMENSIONS			OUTSIDE BOX DIMENSIONS				CATALOG NUMBER		MAXIMUM NUMBER OF OPERATORS†
	W	L	D		A	B	C	D	E	G	H	OPTIONAL HINGE TYPE②	OPTIONAL MOUNTING PAN②	
XJB-16328①	16"	32"	8"	4"	27-1/2"	18-1/8"	5/8"	35"	19"	6-1/8"	10-1/4"	HINGE-11L	7995-3	12 rows of 6 = 72
XJB-163210①	16"	32"	10"	4"	27-1/2"	18-1/8"	5/8"	35"	19"	6-1/8"	12-1/4"	HINGE-11L	7995-3	12 rows of 6 = 72
XJB-16488①	16"	32"	8"	2-1/2"	43-9/16"	18-1/8"	5/8"	51-1/2"	19-1/2"	5-1/4"	10-1/2"	HINGE-10L	7995-5	18 rows of 6 = 108
XJB-164810①	16"	48"	10"	4"	43-9/16"	18-1/8"	5/8"	51-1/2"	19-1/2"	7-1/4"	12-1/2"	HINGE-10L	7995-5	18 rows of 6 = 108
XJB-164812①	16"	48"	12"	4"	43-9/16"	18-1/8"	5/8"	51-1/2"	19-1/2"	7-1/4"	14-1/2"	HINGE-10L	7995-6	18 rows of 6 = 108
XJB-20248①	20"	48"	8"	3-1/2"	19-1/2"	22-17/32"	5/8"	27"	23"	6-1/4"	8-1/4"	HINGE-10L	7999-1	9 rows of 7 = 63
XJB-202410①	20"	24"	10"	3-1/2"	19-1/2"	22-17/32"	5/8"	27"	23"	6-1/4"	12-1/4"	HINGE-10L	7999-1	9 rows of 7 = 63
XJB-20328①	20"	24"	8"	3-1/2"	27-1/2"	21-7/8"	5/8"	35"	23"	6-1/8"	16-1/4"	HINGE-10L	7999-2	12 rows of 7 = 84
XJB-203210①	20"	2"	10"	3-1/2"	27-1/2"	21-7/8"	5/8"	35"	23"	6-1/8"	12-1/4"	HINGE-10L	7999-2	12 rows of 7 = 84
XJB-204010①	20"	32"	10"	3-1/2"	36"	22-3/4"	5/8"	43-1/2"	23-1/2"	6-1/4"	12-1/2"	HINGE-10L	7999-3	15 rows of 7 = 105
XJB-24246①	24"	40"	6"	3-1/2"	19-1/2"	26-7/16"	5/8"	27-1/2"	27-1/2"	4-1/8"	8-1/4"	HINGE-10L	8000-1	9 rows of 9 = 81
XJB-24248①	24"	24"	8"	2"	19-1/2"	26-7/16"	5/8"	27-1/2"	27-1/2"	6-1/4"	10-3/8"	HINGE-10L	8000-1	9 rows of 9 = 81
XJB-242410①	24"	24"	10"	4"	19-1/2"	26-7/16"	5/8"	27-1/2"	27-1/2"	6-1/4"	12-1/2"	HINGE-10L	8000-1	9 rows of 9 = 81
XJB-242411①	24"	24"	11"	4"	19-1/2"	26-7/16"	5/8"	27-1/2"	27-1/2"	9-1/4"	13-3/8"	HINGE-10L	8000-1	9 rows of 9 = 81
XJB-242413①	24"	24"	13"	4"	19-1/2"	26-7/16"	5/8"	27-1/2"	27-1/2"	9-1/4"	15-1/2"	HINGE-10L	8000-1	9 rows of 9 = 81
XJB-242416①	24"	24"	16"	4"	19-1/2"	26-7/16"	5/8"	27-1/2"	27-1/2"	9-1/4"	18-1/2"	HINGE-10L	8000-1	9 rows of 9 = 81

① Conduits must be sealed within 18" in Group C locations.
② Hinges or mounting pans not included as standard. For ordering information see pages E22 and E23.
** NOTE: Some XJB series enclosures suitable for Group D only – contact factory.*
† Maximum number of "G" series operators permitted in cover, down + across = total. Use long style "G" series operators.

Dimensions



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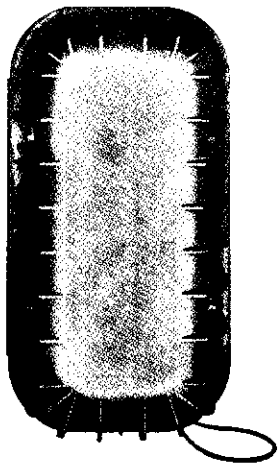


Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D), 9(E,F,G)

FM APPROVED Contact Killark for current appprovals. See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants, feed mills, grain elevators, certain chemical fertilizer and other processing facilities where hazardous substances are processed, handled or stored
- Use as junction or pull box or to enclose control stations, meters, relays, terminals or other equipment

Features

- Stainless Steel continuous piano hinge is standard and mounted on left side
- Safety chain is attached to box and cover to limit the cover opening and prevent accidental damage to hinge during installation and maintenance
- Two mounting channels are provided as mounting feet
- Six cast mounting pan bosses on inside back of box are drilled and tapped for factory or field mounting of internal pan

Material Specifications

- Enclosure: Copper-free Aluminum (less than 4/10 of 1%)
- Hinge: Stainless Steel
- Mounting Channel: Steel Painted
- Cover Bolts: Steel with a cadmium plate, gold chromate finish or zinc plate with yellow chromate finish
- Optional Mounting Pan: Aluminum

Conduit Openings Supplied

- Conduit openings are cast into enclosure and can not be modified or changed
- One 5" NPT cast in both top and bottom
- Two 3/4" NPT cast in both top and bottom
- Two cast pads are supplied on each side of box for factory or field drilling of conduit openings up to 3" NPT
- No other drilling of conduit openings permitted

Special Cover Machining

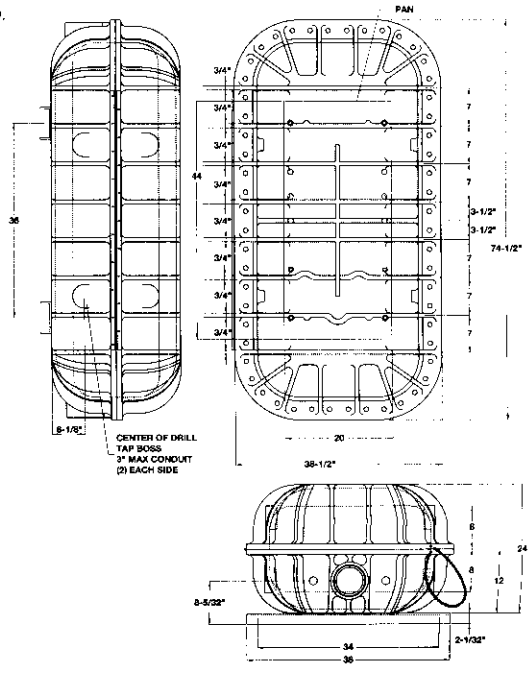
- Cover is supplied blank as standard
- Use Killark long style "G" Series operators when control is required
- Maximum viewing window size is GL-375
- Use type CBH or EXH handles for circuit breaker operation
- All factory or field drilling of cover can not destroy the internal rib structure due to the hazardous location strength requirements for this enclosure.

E

JUNCTION BOX		
CATALOG NUMBER	DIMENSIONS AT FLANGE①	
	INSIDE	CENTER DEPTH
XJB-306616	30" x 66"	16"

MOUNTING PAN	
CATALOG NUMBER	DIMENSIONS
11461	20" x 44" x 1/4"

①*Due to the large radius on the enclosure the internal working area is reduced so that actual area to mount internal devices is restricted to 20" wide x 44" long x 16" deep.*



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EXB, XB and XJB Series Mounting Pans Ordering Instructions

Select proper mounting pan based on inside (length & width) of box. Order and price as separate item from junction box catalog number.

EXAMPLE: XB-12128
7988-1 } assemble

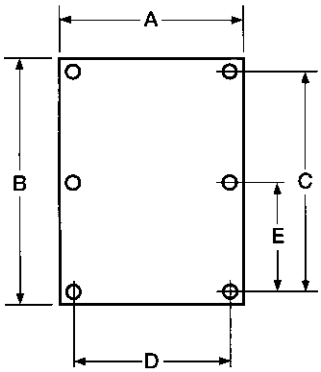
EXB, XB and XJB Series boxes have cast bosses which are drilled and tapped for direct mounting when pans are ordered.

Mounting pans are 1/8" thick sheet aluminum and are sized to provide the maximum usable surface area when installed.

Mounting pans are installed at no additional charge when ordered with box.

All EXB-XB-XJB series boxes have internal bosses that are factory machined to accept mounting pans.

Dimensions



DB Series Mounting Pans Ordering Instructions

Select proper mounting pan based on outside (length & width) of box. Order and price as separate item from the junction box catalog number.

EXAMPLE: DB-101061
6248-10 } assemble

DB Series boxes are provided with 1/2" raised mounting studs threaded into the back when pans are ordered. If a mounting pan is not ordered, mounting studs can still be provided by adding SU8 to box catalog number. See price list for SU8 pricing information.

EXB, XB, XJB MOUNTING PAN

CATALOG NUMBER	NOMINAL INSIDE BOX SIZE		MOUNTING PAN DIMENSION		MOUNTING HOLE SPACINGS			PAN THICKNESS
	WIDTH	LENGTH	A WIDTH	B LENGTH	C	D	E	
9547-1	4"	4"	3"	3"	2"	2"	—	.125
9547-2	4"	6"	3"	5"	4"	2"	—	.125
7998-4	5"	10"	4-1/2"	9"	6-29/32"	3"	—	.125
7998-5	5"	13"	4-1/2"	12"	10"	2"	—	.125
7997-5	6"	6"	5"	5"	3"	3"	—	.125
7997-1	6"	8"	5"	7"	5"	3"	—	.125
7997-2	6"	10"	5"	9-1/4"	8-1/4"	2-1/2"	—	.125
7996-1	8"	8"	7"	7"	5"	5"	—	.125
7996-2	8"	10"	7"	9"	7"	5"	—	.125
17619	8"	10"	7"	11"	9"	5"	—	.125
7996-4	8"	13"	7"	12"	10"	5"	—	.125
7996-5	8"	15"	7"	14-1/2"	12-1/2"	5"	—	.125
7996-6	8"	18"	7"	17"	15-1/8"	5"	—	.125
7994-1	10"	12"	9"	11"	9"	7"	—	.125
17618	10"	10"	9"	9"	7"	7"	—	.125
7988-1	12"	12"	10-1/2"	10-1/2"	9"	9"	—	.125
7988-2	12"	16"	10-1/2"	14-1/2"	13"	9"	—	.125
15515	12"	18"	10"	16"	15"	9"	7-1/2"	.125
7988-3	12"	19"	10-1/2"	17-1/2"	16"	9"	—	.125
7988-4	12"	24"	10-1/4"	22-1/4"	21"	9"	—	.125
7988-5	12"	32"	10-1/2"	30-1/2"	29"	9"	14-1/2"	.125
7988-7	12"	36"	10-1/2"	34-1/2"	33"	9"	16-1/2"	.125
17621	14"	14"	13"	13"	11"	11"	—	.125
7995-1	16"	16"	14"	14"	13"	13"	—	.125
7995-2	16"	24"	14-1/2"	23"	21"	13"	—	.125
17622	16"	24"	15"	23"	21"	13"	—	.190
7995-3	16"	32"	14-1/2"	31"	29"	13"	14-1/2"	.125
7995-5	16"	48"	14-1/2"	46-1/2"	45"	13"	22-1/2"	.190
17623	18"	18"	17"	17"	15"	15"	—	.190
15516	18"	24"	16-3/8"	22-1/8"	21"	15"	10-1/2"	.125
15517	18"	36"	34"	16"	33"	15"	16-1/2"	.125
7999-1	20"	24"	18-1/2"	22-1/2"	21"	17"	—	.125
7999-2	20"	32"	18-1/2"	30-1/2"	29"	17"	14-1/2"	.190
17596	20"	36"	18-3/4"	34-3/4"	32-3/4"	16-3/4"	16-3/8"	.190
7999-3	20"	40"	18-1/2"	39"	37"	17"	18-1/2"	.190
8000-1	24"	24"	22-1/4"	22-1/4"	21"	21"	—	.125
17624	24"	36"	23"	35"	33"	21"	16-1/2"	.190

DB MOUNTING PAN

6307-6	6"	6"	4"	4"	3"	3"	—	.125
6307-12	6"	12"	4"	10"	8-1/2"	3"	—	.125
6247-8	8"	8"	5"	5"	3-1/4"	3-1/4"	—	.125
6247-10	8"	10"	5"	7"	5-1/4"	3-1/4"	—	.125
6247-14	8"	14"	5"	11"	9-1/4"	3-1/4"	—	.125
6247-18	8"	18"	5"	15"	13-1/4"	3-1/4"	—	.125
6248-10	10"	10"	7"	7"	5-1/4"	5-1/4"	—	.125
6248-14	10"	14"	7"	11"	9-1/4"	5-1/4"	—	.125
6249-14	12"	14"	9"	11"	9-1/4"	7-1/4"	—	.125
6249-16	12"	16"	9"	13"	11-1/4"	7-1/4"	—	.125
6249-18	12"	18"	9"	15"	13-1/4"	7-1/4"	—	.125
6249-24	12"	24"	9"	21"	19-1/4"	7-1/4"	—	.125
6250-18	16"	18"	13"	15"	13-1/4"	11-1/4"	—	.125
6250-24	16"	24"	13"	21"	19-1/4"	11-1/4"	—	.125
6250-36	16"	36"	13"	33"	31-1/4"	11-1/4"	15-5/8"	.125
6251-24	20"	24"	17"	21"	19-1/4"	15-1/4"	—	.125
6251-30	20"	30"	17"	27"	25-1/4"	15-1/4"	—	.125
6252-30	24"	30"	18-3/4"	24-3/4"	23"	17"	—	.125
6252-36	24"	36"	18-3/4"	30-3/4"	29"	17"	14-1/2"	.190

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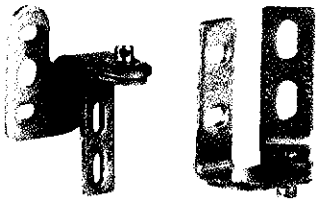
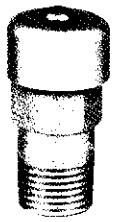


HINGE 4 & 9 Stainless Steel

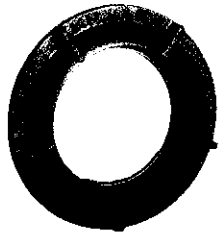
HINGE-10L and HINGE-10R
HINGE-11L and HINGE-11R
Extruded Aluminum

KDB-1
Drain or
breather



KB1B
Breather
(Group B)

KB1D
Drain
(Group B)



GL/GLX Series
Lens Cover

FEATURES-SPECIFICATIONS

HINGE

Applications
Hinges are installed on flanged enclosures to allow for easier and safer installation and when performing maintenance on internal components.

HINGES		
CATALOG NUMBER	SERIES USED	MATERIAL
HINGE-4	DB	Stainless steel
HINGE-9	EXB,XB, XJB	Stainless steel
HINGE-10L	EXB,XB,XJB; Larger sizes	Extruded aluminum
HINGE-10R		Extruded aluminum
HINGE-11L	EXB, XB, XJB, DB	Extruded aluminum
HINGE-11R		Extruded aluminum

NOTE: Hinge 4 & 9 are single hinge and two required per enclosure.

- *Hinge 10L-10R-11L-11R include two hinges*
- *Hinge 10L & 11L are for mounting on left side of enclosure*
- *Hinge 10R & 11R are for mounting on right side of enclosure*
- *All hinges supplied with stainless steel mounting screws and pins*

KD/KB DRAINS & BREATHERS

Applications
When installed in the top of an enclosure, these fittings act as breathers. Bottom installations permit water to drain from the enclosure continuously. All drains and breathers are designed for use in 1/2" hubs or 1/2" drilled and tapped conduit openings.

DRAINS AND BREATHERS	
CATALOG NUMBER	SUITABILITY
KDB-1①③	Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups E, F, G Class III
KB1B②③	Class I, Div. 1 & 2, Groups B, C, D Class II, Div. 1 & 2, Groups E, F, G Class III, NEMA 3
KB1D②③	Class I, Div. 1 & 2, Groups B, C, D Class II, Div. 1 & 2, Groups E, F, G Class III, NEMA 3

① U.L. Listed and CSA Certified.
② U.L. Listed only
③ FM Approved

GL/GLX ROUND GLASS LENS COVERS (MUST BE FACTORY INSTALLED)

Applications
Use GL Series lens on:

- All EXB Boxes
- XB Boxes with 12" width
- XJB 16" x 48" and XJB 24" x 24"

Use GLX Series lens on:

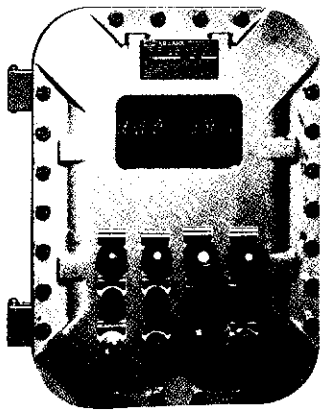
- All DB Boxes
- XB Boxes with 4", 6", 8", 10" width
- All XJB Boxes except 16" x 48" and 24" x 24"

Refer to recommended minimum spacing table. Series GL and GLX have identical viewing lens diameter and outside diameter. The difference is in the thread pitch.

LENS COVER ASSEMBLIES			
CATALOG NUMBER		VIEWING DIAMETER	OUTSIDE DIAMETER
GL SERIES	GLX SERIES		
GL-275	GLX-275	2-5/16"	4-5/8"
GL-300	GLX-300	2-9/16"	5-1/4"
GL-375	GLX-375	3-9/16"	6-1/4"
GL-537	GLX-537	4-7/8"	7-7/8"
GL-600	GLX-600	5-13/16"	8-7/8"
GL-775	GLX-775	7-7/16"	10-1/4"

GL/GLX RECOMMENDED MINIMUM SPACING —CENTERLINE TO CENTERLINE						
GLASS LENS TYPE	GL/GLX-275	GL/GLX-300	GL/GLX-375	GL/GLX-537	GL/GLX-600	GL/GLX-775
GL/GLX-275	7.0	7.5	7.75	8.75	9.0	10.0
GL/GLX-300	7.5	8.0	8.25	9.25	9.5	10.5
GL/GLX-375	7.75	8.25	8.5	9.5	9.75	10.75
GL/GLX-537	8.75	9.25	9.5	10.5	10.75	11.75
GL/GLX-600	9.0	9.5	9.75	10.75	11.0	12.0
GL/GLX-775	10.0	10.5	10.75	11.75	12.0	13.0

Note: For spacing less than minimum in table, (shown in inches) consult factory.



FEATURES-SPECIFICATIONS

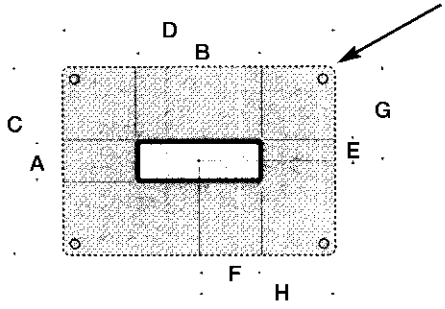
Applications
Rectangular glass lens windows can be factory installed to enable viewing of digital read out meters and devices such as:

- Volt meters
- Flow meters
- Gas analyzers
- Process receivers, transmitters and controllers

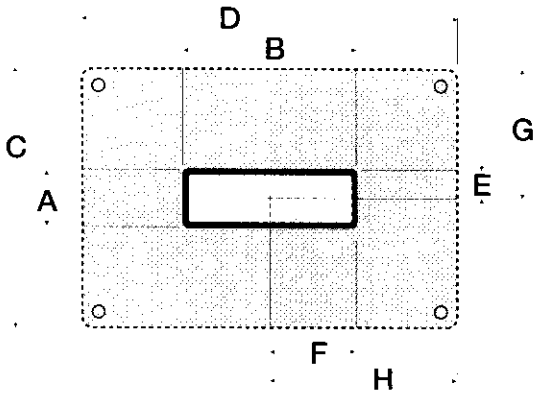
Ordering Information
Rectangular lens option must be factory installed and ordered in conjunction with appropriate EXB Series enclosure. See page E25. Submit drawing or sketch to specify lens location. Consult factory for multi-lens arrangements.

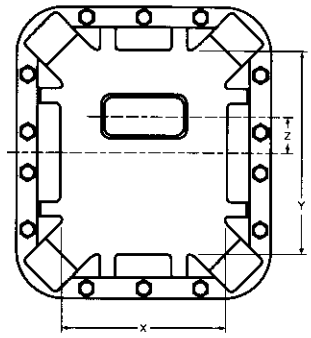
GLXR RECTANGULAR LENS COVER ASSEMBLIES

CATALOG NUMBER	VIEWING AREA		MINIMUM SPACE		OTHER DIMENSIONS			
	A	B	C	D	E	F	G	H
GLXR13	1"	3"	4.5"	6.5"	.5"	1.5"	2.25"	3.25"
GLXR24	2"	4"	5.5"	7.5"	1"	2"	2.75"	3.75"
GLXR27	2"	7"	5.5"	10.5"	1"	3.5"	2.75"	5.25"
GLXR34	3.5"	4"	7"	7.5"	1.75"	2"	3.5"	3.75"
GLXR36	3"	6"	6.5"	9.5"	1.5"	3"	3.25"	4.75"
GLXR47	4"	7"	7.5"	10.5"	2"	3.5"	3.75"	5.25"
GLXR59	5"	9"	8.5"	12.5"	2.5"	4.5"	4.25"	6.25"



(4) #8-32 Internal mounting holes for customer supplied metal brackets. Used to mount meters or other internal components to inside of cover.





FEATURES-SPECIFICATIONS

GLXR LAYOUT GUIDE

CATALOG NUMBER	USEABLE COVER AREA		Z = MAXIMUM CENTER LINE OF COVER TO CENTERLINE OF GLASS LENS						
	X	Y	GLXR13	GLXR24	GLXR27	GLXR34	GLXR36	GLXR47	GLXR59
EXB-664 N34	5"	5"	N	N	N	N	N	N	N
EXB-886 N34	7"	7"	1-1/4"	3/4"	N	N	N	N	N
EXB-8104 N34	7"	9"	2-1/4"	1-3/4"	N	1"	N	N	N
EXB-8106 N34	7"	9"	2-1/4"	1-3/4"	N	1"	N	N	N
EXB-8126 N34	7"	11"	3-1/4"	2-3/4"	R •	2"	R •	N	N
EXB-8128 N34	7"	11"	3-1/4"	2-3/4"	R •	2"	R •	N	N
EXB-10106 N34	9"	9"	2-1/4"	1-3/4"	N	1"	N	N	N
EXB-10108 N34	9"	9"	2-1/4"	1-3/4"	N	1"	N	N	N
EXB-10146 N34	9"	13"	4-1/4"	3-3/4"	R	3"	R	R	R
EXB-10148 N34	9"	13"	4-1/4"	3-3/4"	R	3"	R	R	R
EXB-12126 N34	10"	10"	2-3/4"	2-1/4"	2-1/4"	1-1/2"	1-3/4"	1-1/4"	N
EXB-12128 N34	10"	10"	2-3/4"	2-1/4"	2-1/4"	1-1/2"	1-3/4"	1-1/4"	N
EXB-12186 N34	10"	16"	5-3/4"	5-1/4"	5-1/4"	4-1/2"	4-3/4"	4-1/4"	R •
EXB-12188 N34	10"	16"	5-3/4"	5-1/4"	5-1/4"	4-1/2"	4-3/4"	4-1/4"	R •
EXB-12246 N34	10-1/4"	2-1/4"	8-7/8"	8-3/8"	8-3/8"	7-5/8"	7-7/8"	7-3/8"	R
EXB-12248 N34	10-1/4"	2-1/4"	8-7/8"	8-3/8"	8-3/8"	7-5/8"	7-7/8"	7-3/8"	R
EXB-122412 N34	10-1/4"	2-1/4"	8-7/8"	8-3/8"	8-3/8"	7-5/8"	7-7/8"	7-3/8"	R
EXB-12368 N34	11"	35"	15-1/4"	14-3/4"	14-3/4"	14"	14-1/4"	13-3/4"	R •
EXB-123610 N34	11"	35"	15-1/4"	14-3/4"	14-3/4"	14"	14-1/4"	13-3/4"	R •
EXB-14146 N34	13"	13"	4-1/4"	3-3/4"	3-3/4"	3"	3-1/4"	2-3/4"	2-1/4"
EXB-14148 N34	13"	13"	4-1/4"	3-3/4"	3-3/4"	3"	3-1/4"	2-3/4"	2-1/4"
EXB-16166 N34	14"	14"	4-3/4"	4-1/4"	4-1/4"	3-1/2"	3-3/4"	3-1/4"	2-3/4"
EXB-16168 N34	14"	14"	4-3/4"	4-1/4"	4-1/4"	3-1/2"	3-3/4"	3-1/4"	2-3/4"
EXB-16248 N34	14"	22"	8-3/4"	8-1/4"	8-1/4"	7-1/2"	7-3/4"	7-1/4"	6-3/4"
EXB-162410 N34	14"	22"	8-3/4"	8-1/4"	8-1/4"	7-1/2"	7-3/4"	7-1/4"	6-3/4"
EXB-18186 N34	16"	16"	5-3/4"	5-1/4"	5-1/4"	4-1/2"	4-3/4"	4-1/4"	3-3/4"
EXB-18188 N34	16"	16"	5-3/4"	5-1/4"	5-1/4"	4-1/2"	4-3/4"	4-1/4"	3-3/4"
EXB-18248 N34	16"	22"	8-3/4"	8-1/4"	8-1/4"	7-1/2"	7-3/4"	7-1/4"	6-3/4"
EXB-182410 N34	16"	22"	8-3/4"	8-1/4"	8-1/4"	7-1/2"	7-3/4"	7-1/4"	6-3/4"
EXB-18368 N34	16"	34"	14-3/4"	14-1/4"	14-1/4"	12-1/2"	12-3/4"	12-1/4"	11-34"
EXB-183610 N34	16"	34"	14-3/4"	14-1/4"	14-1/4"	12-1/2"	12-3/4"	12-1/4"	11-34"
EXB-203611 N34	18-7/8"	34-7/8"	15-3/16"	14-11/16"	14-11/16"	13-15/16"	14-3/16"	13-11/16"	13-3/16"
EXB-24248 N34	22"	22"	8-3/4"	8-1/4"	8-1/4"	7-1/2"	7-3/4"	7-1/4"	6-3/4"
EXB-242410 N34	22"	22"	8-3/4"	8-1/4"	8-1/4"	7-1/2"	7-3/4"	7-1/4"	6-3/4"
EXB-24368 N34	22"	34"	14-3/4"	14-1/4"	14-1/4"	12-1/2"	12-3/4"	12-1/4"	12-3/4"•
EXB-243610 N34	22"	34"	14-3/4"	14-1/4"	14-1/4"	12-1/2"	12-3/4"	12-1/4"	12-3/4"•

Symbols: N = Enclosure will not accommodate this lens size
R = Rotate lens 90°, consult factory for layout assistance
• = Voids UL/CSA/CENELEC certifications

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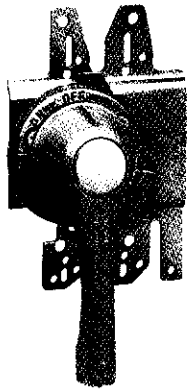
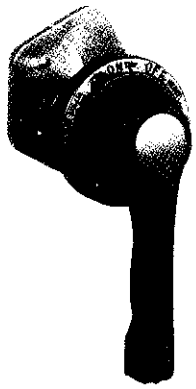


CBH



EXH

FEATURES-SPECIFICATIONS

Applications

CBH Series circuit breaker handles are for use with the following Series of Killark enclosures: XB, XJB, DB.

- These devices may be used to activate circuit breakers, motor circuit protectors, and nonfusible disconnects
- Complete handle mechanisms include external handle and lockout, internal switching mechanism, and adjustable shaft
- Consult factory for installation data, and hazardous location suitability

CBH CIRCUIT BREAKER HANDLES

CATALOG NUMBER						CIRCUIT BREAKER FRAME TYPE	
COMPLETE ASSEMBLY①	MOUNTING PAN②	SHAFT FOR 6" DEEP BOX	SHAFT FOR 8" DEEP BOX	SHAFT FOR 12" DEEP BOX	SHAFT FOR 20" DEEP BOX	WESTINGHOUSE	SQUARE D
CBH-114	CBH-1P	CBH-6S	CBH-8S	CBH-12S	CBH-20S	EHD, FDB, FD, HFD, FDC,HMCP-150	–
CBH-118	CBH-1P	CBH-6S	CBH-8S	CBH-12S	CBH-20S	–	FAL, FHL
CBH-120	CBH-1P	CBH-6S	CBH-8S	CBH-12S	CBH-20S	30, 60 Amp N.F. Switch	–
CBH-213	CBH-3P	CBH-6S	CBH-8S	CBH-12S	CBH-20S	DK, KDB, KD,HKD, KDC, HMCP-250	–
CBH-215	CBH-3P	CBH-6S	CBH-8S	CBH-12S	CBH-20S	–	KAL, KHL
CBH-216	CBH-3P	CBH-6S	CBH-8S	CBH-12S	CBH-20S	JDB, JD, HJD, JDC, HMCP-250	–

① CBH-114 thru CBH-120 provided with CBH-6S shaft. CBH-213 thru CBH-216 provided with CBH-8S shaft.
② Breaker mounting pan is not included in complete assembly.

Circuit Breaker Handles

For use with enclosure type B7E-DB-EXB-XB-XJB

- Used to activate circuit breakers and motor circuit protectors from front cover
- Factory or field installed in a 3/4" NPSM opening for EXH1 & EXH2 and a 1-1/4" NPSM for EXH3
- Has provision for Lock-On and Lock-Off with up to three padlocks
- Consists of an external handle mechanism with through-the-enclosure shaft and internal toggle mechanism and breaker pan

Submit sketch showing the desired location of internal breaker for factory location of handle mechanism.
Order as separate option with enclosure for factory installation or by Catalog Number for field installation.
Consult factory for handle mechanism for fused and non-fused disconnect switches.

EXH CIRCUIT BREAKER HANDLE WITH SHAFT AND PAN

CATALOG NUMBER			BREAKER MANUFACTURER	BREAKER FRAMES TO OPERATE	MAX. AMPS
6" DEEP BOX	8" DEEP BOX	10" DEEP BOX			
EXH1A6	EXH1A8	EXH1A10	GE	TEB-TED-THED-TEL	150
			ITE/Siemens	ED2-ED4-ED6-HED4-HED6	125
			Square D	FAL-FHL-FCL	100
			Westinghouse	EHD-FDB-FD-HFD-FDC-HMCP	150
N/A	EXH1B8	EXH1B10	GE	TFJ-TFK-THFK-TFL	225
			Square D	KAL-KHL-KCL	250
			Westinghouse	JDB-JD-HJD-JDC	250
N/A	EXH2C8	EXH2C10	Westinghouse	DK-KDB-KD-HKD-KDC	400
N/A	EXH3D8	EXH3D10	GE	TJJ-TJK4-TJK6-THJK4-THJK6	600
			ITE/Siemens	FXD6-FD6-HFD6-CFD6	250
			ITE/Siemens	JXD2-JXD6-JD6-HJD6-HHJD6-CJD6	400
			ITE/Siemens	LXD6-LD6-HKD6-HHLD6-CLD6	600
			Square D	LAL-LHL	400
			Westinghouse	LDB-LD-HLD-LDC	600
N/A	N/A	EXH3E10	GE	TKM8-THKM8-TKM12-THKM12	1200
			ITE/Siemens	MXD6-MD6-HMXD6-HMD6-CMD6	800
			ITE/Siemens	NXD6-ND6-HNXD6-HND6-CND6	1200
			Square D	LCL	600
			Square D	MAL-MHL	1000
			Westinghouse	ND-HND-NDC	1200

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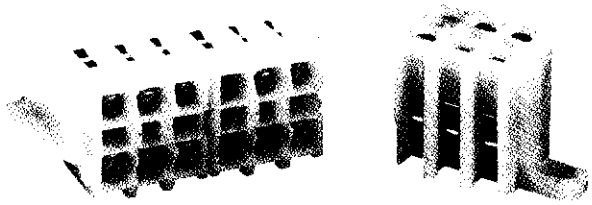
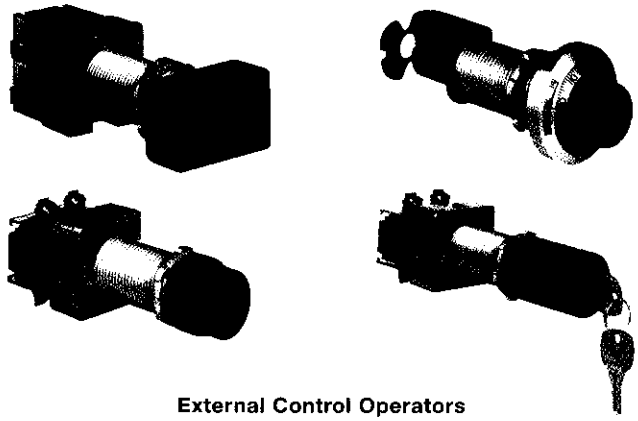


Terminal Block



External Control Operators
(See Pages C50-C60)

FEATURES-SPECIFICATIONS

600 Volt –#8–#22 CU; #8–#12 AL.
50 Amp Maximum

Applications

Mounting in EXB, XB, XJB, GR, DB Series junction boxes.

- Use in connecting and in arrangement of control wiring for control panel and switchboard applications

Features

- Terminal blocks have clamping screw-type terminals which accommodate either aluminum or copper wire. TMS marking strips are included.
- No additional installation charge is made for mounting terminal blocks in EXB, XB, XJB, GR, DB Series junction boxes. Order as separate item and state that the terminal blocks are to be assembled in junction box.
- When more than one terminal strip is required, a mounting pan should be used for ease of mounting and wiring

C = .625 + (1.3125 x N)

L = 1.250 + (1.3125 x N)

N = NUMBER OF BLOCKS

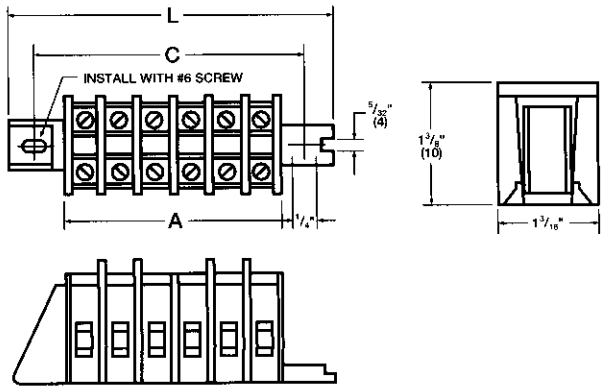
External Control Operators

- Custom control panels possible by factory or field installation of Killark "G" series control operators
- Select from a wide variety of push buttons, pilot-lights, selector switches, potentiometer operators and motor shaft rotary operators
- Refer to catalog page C50 for operator selection

TBWE TERMINAL BLOCKS

CATALOG NUMBER	NO. OF CIRCUITS	DIMENSIONS		
		A	C	L
TBWE-3	3	1.25	1-7/8"	2-1/2"
TBWE-6	6	2.50	3-1/8"	3-3/4"
TBWE-9	9	3.75	4-3/8"	5"
TBWE-12	12	5.0	5-5/8"	6-1/4"
TBWE-15	15	6.25	6-7/8"	7-1/2"
TBWE-18	18	7.50	8-1/8"	8-3/4"
TBWE-21	21	8.75	9-3/8"	10"
TBWE-24	24	10.0	10-5/8"	11-1/4"
TBWE-27	27	11.25	11-7/8"	12-1/2"
TBWE-30	30	12.50	13-1/8"	13-3/4"
TBWE-33	33	13.75	14-3/8"	15"
TBWE-36	36	15.0	15-5/8"	16-1/4"
TBWE-39	39	16.25	16-7/8"	17-1/2"
TBWE-42	42	17.5	18-1/8"	18-3/4"
TBWE-45	45	18.75	19-3/8"	20"
TBWE-48	48	20.0	20-5/8"	21-1/4"
TBWE-51	51	21.25	21-7/8"	22-1/2"
TBWE-54	54	22.50	23-1/8"	23-3/4"
TBWE-57	57	23.75	24-3/8"	25"
TBWE-60	60	25.0	25-5/8"	26-1/4"

Westinghouse TypeTBA ModularTerminal Blocks
600 Volt-#8–#22 CU.; #8-#12 AL.
Clamping Screw Type Terminals, Type TMS Marking Strip Included



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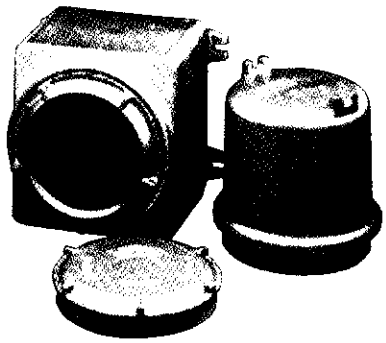


Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)
CENELEC - EEx d IIC, T6 or T5
(with CEN suffix)

#UL886 - Outlet Boxes and Fittings for use in Hazardous (Classified) Locations. File #E10514

#UL1203 - Explosion Proof and Dust Ignition Proof Electrical Equipment. File #E83969

#C22.2 No. 30-M1986 - Explosion Proof Enclosure for use in Class I Hazardous Locations. File #LR11716

#3600 & 3615 File #2Y4A5.AE

CENELEC
PTB (Physikalish-Technische Bundesanstalt), Germany.
EN 50 014:1977-A1...A5 General Requirements.
EN 50 018:1977-A1...A3 Flameproof Enclosure "d".
Component Certificate PTB No. Ex-97.D.1013U blank enclosure. Certificate of Conformity PTB No. Ex-97.D.1048 electrical apparatus.

With "CEN" suffix to catalog number

FEATURES-SPECIFICATIONS

Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings, and areas which are subject to corrosion, weather and dampness
- Installations at petroleum refineries, chemical and petrochemical plants, storage areas, and other processing facilities where hazardous substances are handled or stored
- Applications requiring junction, pull and/or splice boxes
- Enclosures to house meters, relays, terminal strips, control transformers, etc.

- **Global applications***

  Enclosures are available for global applications with "CEN" suffix.
  Assemblies that are modified to CENELEC standards maintain their North American certifications.

*** See separate Explosion Proof enclosures CENELEC approved brochure for more information on CENELEC capabilities and modification. Contact factory or local representative for copy or details.**

Features

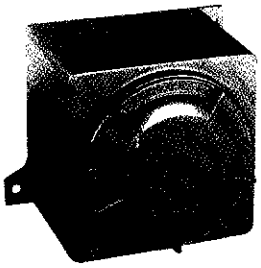
- Compact square or rectangular enclosures with threaded screw type covers provide easy access to interior
- Can be shipped in component parts and still maintain third party UL-CSA-FM approvals
- Available in three different cover types, flat blank, lens and dome covers
- Cast mounting lugs are standard on all assemblies
- Available as blank box or can be custom drilled and tapped for conduit openings which may be factory or field installed on the four sides or back wall
- Gaskets are standard on all assemblies and with covers when component part ordering
- Internal ground screw supplied on all boxes
- CEN suffix modification for CENELEC Certification includes an external ground screw, cover locking screw, and nameplate displaying certification and area classifications. Feature is only available on complete assemblies and not available when component part ordering.

Material/Finish

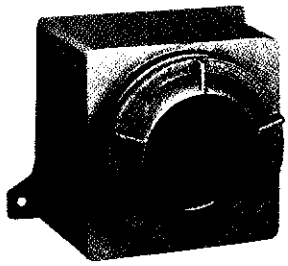
- Enclosures:
  Copper-free Aluminum (less than 4/10 of 1%)
- Optional Mounting Pans:
  Sheet Aluminum
- Lens Cover Glass:
  Tempered soda lime glass
- Cover Gaskets:

  GRB, GRE, GRM, GRK, GRL
  70 Durometer NITRILE

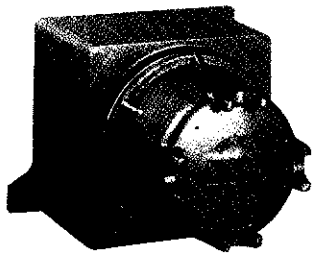
  GRH, GRHA, GRHC
  57 63 Durometer BUNA-N
- Electrostatically applied gray powder epoxy/polyester finish on exterior of box and cover



Box with blank cover



Box with lens cover



Box with dome cover

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)
CENELEC - EEx d IIC (with CEN suffix)

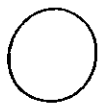
NOTE: See Page E28 for Third Party Certifications

FEATURES-SPECIFICATIONS

GR COMPLETE ASSEMBLIES

COVER OPENING DIAMETER	NOMINAL EXTERNAL BOX DIMENSIONS WITHOUT COVER			CATALOG NUMBER		VIEWING AREA	CATALOG NUMBER	DEPTH OF DOME	MAXIMUM CONDUIT SIZE
	L	W	D	BOX WITH BLANK COVER	BOX WITH LENS COVER		BOX WITH DOME COVER		
3-29/32"	4-5/8"	4-5/8"	4-5/32"	GRB	GRB-275L	2-3/4"	2GRB	2"	1-1/2"
							4GRB	4"	
4-11/32"	6-5/8"	5-1/2"	5-1/4"	GRE	GRE-300L	3"	—	—	2"
5-9/32"	6-7/8"	6-7/8"	5-15/16"	GRM	GRM-375L	3-3/4"	3GRM	3"	2"
							5GRM	5"	
7-1/4"	9-7/8"	8-3/8"	6-17/32"	GRK	GRK-537L	5-3/8"	4GRK	4"	2"
7-7/8"	10-1/2"	8-7/8"	7-3/16"	GRL	GRL-600L	6"	—	—	2"
9-5/8"	12"	11"	7-5/8"	GRH	GRH-775L	7-3/4"	4GRH	4"	4"
							8GRH	8"	
9-5/8"	12-3/16"	11"	11"	GRHC	GRHC-775L	7-3/4"	4GRHC	4"	4"
							8GRHC	8"	
9-5/8"	12"	11"	16-3/16"	GRHA	GRHA-775L	7-3/4"	4GRHA	4"	4"
							8GRHA	8"	

NOTE: To order above items with CENELEC Modifications and Certifications add suffix CEN to end of catalog number. (Example: GRBCEN)
To order above items with a flat back pan installed add suffix P to catalog number.



GR COMPONENT PARTS

ENCLOSURE SERIES	CATALOG NUMBER OF COMPONENTS					
	BOX WITHOUT COVER	BLANK COVER	LENS COVER	DOME COVER	GASKET REPLACEMENT	FLAT PAN
GRB	GRBB	GRB-BC	GL-275	2"- 2GRBD	GRB-RG	6086
				4"- 4GRBD		
GRE	GREB	GRE-BC	GL-300	—	GRE-RG	6074
GRM	GRMB	GRM-BC	GL-375	3"- 3GRMD	GRM-RG	6064
				5"- 5GRMD		
GRK	GRKB	GRK-BC	GL-537	4"- 4GRKD	GRK-RG	6038
GRL	GRLB	GRL-BC	GL-600	—	GRL-RG	6053
GRH	GRHB	GRH-BC	GL-775	4"- 4GRHD	GRH-RG	6058
				8"- 8GRHD		
GRHC	GRHCB	GRH-BC	GL-775	4"- 4GRHD	GRH-RG	6058
				8"- 8GRHD		
GRHA	GRHAB	GRH-BC	GL-775	4"- 4GRHD	GRH-RG	6058
				8"- 8GRHD		

NOTES: Covers are supplied with gasket.
For Group B locations all conduits must be sealed within 18" of enclosures.

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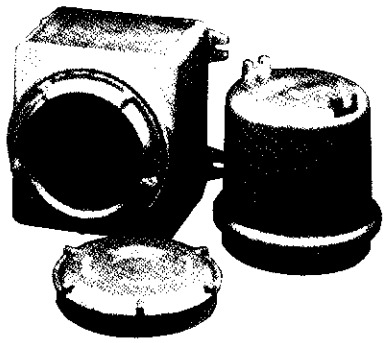
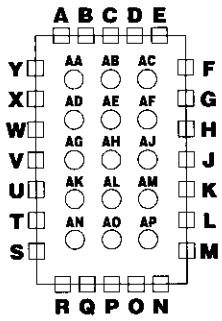


FEATURES-SPECIFICATIONS

Drilled & Tapped Conduit Openings

Boxes are furnished blank for field drilling and tapping of conduit openings. If factory openings are requested submit drawing or select from charts below.

LOCATION CHART



SYMBOL NUMBER	
SIZE	SYMBOL
1/2"	1
3/4"	2
1"	3
1-1/4"	4
1-1/2"	5
2"	6
2-1/2"	7
3"	8
3-1/2"	9
4"	10

EXAMPLE: **GRB-C3-J2-P1=**
GRB enclosure with 1" NPT top center,
3/4" NPT right side center,
1/2" NPT bottom center

GR MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
SU3	Drain and breather NEMA 3,7CD,9EFG
SU3B	Drain and breather NEMA 3,7BCD,9EFG
P	Internal flat mounting pan installed
CEN	CENELEC modification and certification (complete box & cover assembly only)
SU8	Drill for pan mounting studs without pan
SU6	Removal of external mounting lugs

- Installation of drain and breather will void NEMA 4-4x ratings
- SU3/SU3B are not CENELEC approved
- SU3B not CSA
- Contact Killark for CENELEC drain and breather requirements

GR ENCLOSURE VOLUMES	
CATALOG NUMBER	VOL. (CU. IN.)
GRB	45
GRE	105
GRM	180
GRK	305
GRL	405
GRH	615
GRHA	1450
GRHC	985
GRB-275L	40
GRE-300L	95
GRM-375L	170
GRK-537L	280
GRL-600L	380
GRH-775L	570
GRHA-775L	1400
GRHC-775L	940
2GRB	60
4GRB	80
3GRM	225
5GRM	250
4GRK	410
4GRH	820
8GRH	1050
4GRHA	1660
8GRHA	1890
4GRHC	1195
8GRHC	1425

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FEATURES-SPECIFICATIONS

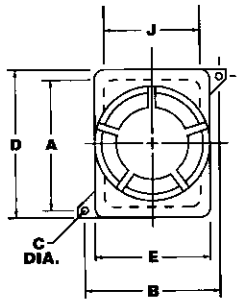
CAT. NO.	A	B	C	D	E	F	G*	H	I	J	K	L	+M
GRB	4"	6"	5/16"	4-5/8"	4-5/8"	4-5/32"	3-29/32"	4-9/16"	4-17/32"	3-3/4"	3-3/4"	2-11/16"	2-3/4"
GRE	5-3/4"	6-1/2"	5/16"	6-5/8"	5-1/2"	5-1/4"	4-11/32"	5-3/4"	5-23/32"	4-5/8"	5-3/4"	3-9/32"	3"
GRM	5-7/8"	8-1/8"	5/16"	6-7/8"	6-7/8"	5-15/16"	5-9/32"	6-9/16"	6-9/16"	6"	6"	4-3/16"	3-3/4"
GRK	9-1/8"	9-5/8"	5/16"	9-7/8"	8-3/8"	6-17/32"	7-1/4"	7-9/32"	7-3/16"	7-1/16"	8-5/16"	4-1/8"	5-3/8"
GRL	9-1/2"	10-1/2"	7/16"	10-1/2"	8-7/8"	7-3/16"	7-7/8"	7-31/32"	7-15/16"	7-5/8"	9-1/8"	4-15/16"	6"
GRH	10-3/4"	12-1/8"	7/16"	12"	11-5/8"	7-5/8"	9-5/8"	8-3/8"	8-5/8"	9-1/2"	10-1/2"	5"	7-3/4"
GRHA	8-1/4"	12-1/8"	7/16"	12"	11-5/8"	16-3/16"	9-5/8"	16-15/16"	16-3/16"	9-1/2"	10-1/2"	13-9/16"	7-3/4"
GRHC	8-1/4"	12-1/8"	9/16"	12-3/16"	11-5/8"	11"	9-5/8"	11-3/4"	12"	9-9/16"	10-5/8"	8-7/16"	7-3/4"

NOTE: GRH has four lugs with holes. GRHA & GRHC has four lugs with slots.
** Box Opening*
+ Lens Viewing

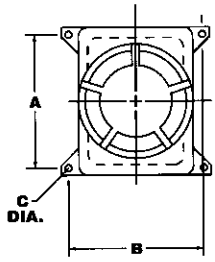
CATALOG NUMBER BASIC BOX W/DOME COVER	S
2GRB	7"
4GRB	9"
3GRM	10-1/4"
5GRM	12-1/4"
4GRK	11-15/16"
4GRH	13"
8GRH	17"
4GRHA	21-1/2"
8GRHA	25-1/2"
4GRHC	16-5/16"
8GRHC	20-5/16"

E

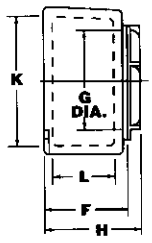
Dimensions



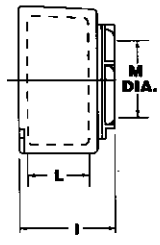
GRB GRK
GRE GRL
GRM



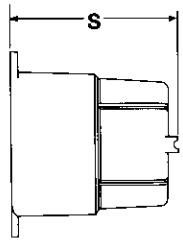
GRH
GRHA
GRHC



Blank Cover



Lens Cover



Dome Cover

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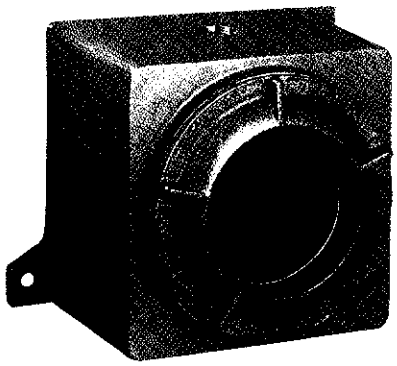

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)

UL #UL1203 - Explosion Proof and Dust Ignition Proof Electrical Equipment. File #E83969

CSA #C22.2 No. 30-M1986 -Explosion Proof Enclosure for use in Class I Hazardous Locations. File #LR11716

FM APPROVED #3600 & 3615 File #2Y4A5.AE

FEATURES-SPECIFICATIONS

Applications

Use GR Series Instrument Enclosures for mounting of 3", 3-1/2", 4" or 4-1/2" round or rectangular instruments such as ammeters and voltmeters

- Two 3/4"-14 NPT drilled and tapped conduit openings, one top and one bottom, are standard
- Internal mounting pan is attached to inside back of box with spacers for mounting meter

GR INSTRUMENT ENCLOSURES (INSTRUMENTS NOT SUPPLIED)

CATALOG NUMBER	MANUFACTURER	INSTRUMENT		
		MODEL	SIZE	TYPE
GRM-375L52	Weston	1930 Series	3-1/2"	Rectangular
		301 Series	3"	Rectangular
		301 Series	3-1/2"	Round
GRM-375L52	General Electric	KT w/o reset	3"	Rectangular
		KT w/o reset	3-1/2"	Round
GRM-375L52	Westinghouse	R-351	3"	Rectangular
		B-351 w/o reset	3"	Rectangular
		N-351	3-1/2"	Round
GRM-375L52	Simpson	27,27T,37,47, 57,77 Series	3"	Rectangular
		2100 Series	3-1/2"	Rectangular
		25,25T,35,45,55 Series	3-1/2"	Round
		55ET	3-1/2"	Round
		75	3-1/2"	Round
		1300 Series	3-1/2"	Rectangular
		3223	3-1/2"	Round
		3323	3-1/2"	Rectangular
GRM-375L52	Westinghouse	N-371 Series	4-1/2"	Round
GRK-537L52A	Westinghouse	R-371 Series	4"	Rectangular
GRK-537L52A	Simpson	3224	4-1/2"	Round
GRK-537L52A	General Electric	250,162, 167,251 Series	3-1/2"	Rectangular
		178 Series	4-1/2"	Rectangular
		171 Series frequency meter	4-1/2"	Rectangular
		236 w/o Reset	3-1/2"	Rectangular
GRK-537L52B	Weston	1940 Series	4-1/2"	Rectangular
GRK-537L52B	General Electric	AB/DB-30 AC ammeter	4-1/2"	Rectangular
		AB/DB-30 AC/DC ammeter	4-1/2"	Rectangular
GRL-600L52B	General Electric	AB/DB-40 AC ammeter	4-1/2"	Rectangular
GRK-537L52B	General Electric	DB-40 DC ammeter	4-1/2"	Rectangular
		DB-40 DC voltmeter	4-1/2"	Rectangular
		171,250, 251 Series	4-1/2"	Rectangular
GRL-600L52C	Simpson	29,29T,39,49,59, 79,1300,2100 Series	4-1/2"	Rectangular
GRH-775L52B	General Electric	AB/DB-40 AC voltmeter	4-1/2"	Rectangular

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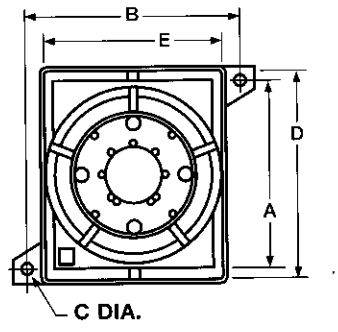
FEATURES-SPECIFICATIONS

GR DIMENSIONS									
CATALOG NUMBER	FIG. NO.	A	B	C	D	E	G	H	I
GRM-375L52	1	5-7/8"	8-1/8"	5/16"	6-7/8"	6-7/8"	3-9/16"	6-13/32"	2-5/8"
GRK-537L52A	1	9-1/8"	9-1/8"	5/16"	9-7/8"	7-7/8"	4-7/8"	6-11/16"	2-1/2"
GRK-537L52B	1	9-1/8"	9-1/8"	5/16"	9-7/8"	7-7/8"	4-7/8"	6-11/16"	2-1/2"
GRL-600L52B	1	9-1/2"	10-1/2"	7/16"	10-1/2"	8-7/8"	51-3/16"	7-17/32"	2-3/4"
GRL-600L52C	1	9-1/2"	10-1/2"	7/16"	10-1/2"	8-7/8"	5-13/16"	7-17/32"	2-3/4"
GRH-775L52B	2	10-3/4"	12-1/8"	7/16"	12"	11"	7-7/16"	8-3/4"	3"

E

Dimensions

Figure 1



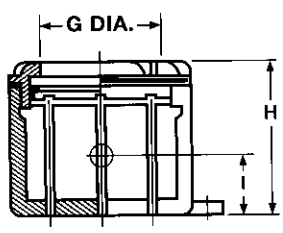
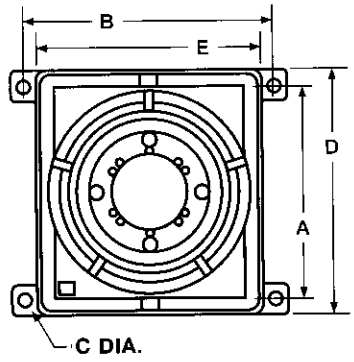
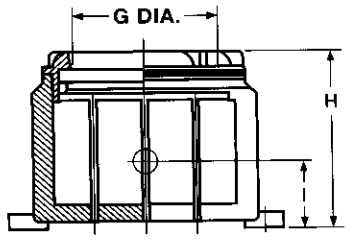
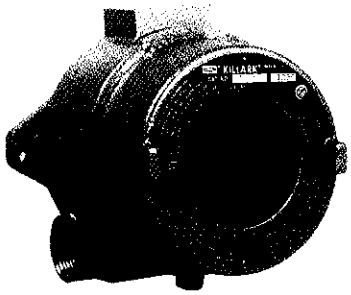


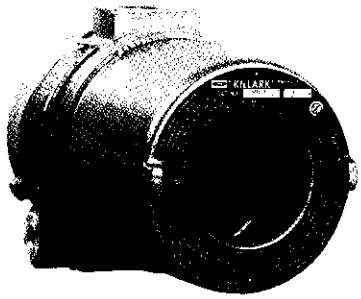
Figure 2







HK



2HK

Class I, Div. 1 & 2, Groups A*,B,C,D†
Class I, Zones 1 & 2, Groups IIB + H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 7(B,C,D) 9(E,F,G)
CENELEC - EEx d IIB IP66**

Classified - File E83969
& File E150827

Certified - File LR11716

File 1W1R4-RE

EECS Certificate No. EX88B1053U
CENELEC (Component Certificates)

FEATURES-SPECIFICATIONS

Applications

Instrumentation housed in HK Series enclosures typically used to measure, detect, monitor, transmit and control industrial processes and systems.

HK Series enclosures are suitable for a broad range of applications, meeting both domestic and international code requirements.

Some specific examples of the type of instruments that can be housed in these enclosures include:

- Flow measurement devices
- Temperature monitors
- Two-wire transmitters
- Gas detectors
- Ph analyzers
- Pressure gauges
- Temperature transmitters
- Oxygen/combustible gas sensors
- Methane gas monitors
- Level detectors
- H2S monitors
- Transducers
- Pressure switches

See pages E36 and E37 for dimensions.

Features

- Enclosures are explosion proof, dust/ignition proof, weather proof and tamper resistant
- HK Series boxes covers are cast from a copper-free aluminum alloy
- Cast stainless steel box, flat & lens cover available (HKSB-BC + HKSB-GLC)
- Neoprene 0-rings are provided with HK boxes to assure water resistance in NEMA 4/IP66 conditions
- Two box styles available: HKB single cover design and the 2HKB double cover design. 2HKB enclosure has two separate chambers for isolation between power and instrument.
- HKB box has offset feed-thru conduit openings (3/4" NPT) for maximum use of interior volume
- 2HKB box has offset feed-thru conduit openings (3/4" NPT) on power side and one (3/4" NPT) on bottom instrument side
- Interior mounting pad for instrument/device cast into the bottom of the HKB box is provided in an "X"-configuration for flexibility
- Location of the internal ground screw boss does not interfere with the mounting of the instrument or device
- Five different cover styles are available: standard flat cover, standard glass lens cover, 2" dome cover, 2" glass lens dome cover and 4" dome cover
- All covers have shrouded tamper resistant set screws as standard which can help to combat excessive vibration in rugged settings
- Lugs on cover permit easy removal and tightening

Material/Finish

- Boxes and covers — Copper-free aluminum (less than 4/10 of 1%)
- HKSB series is 316 cast stainless steel
- O-ring sealing gasket — Neoprene rubber
- Ground screws — zinc plated steel with green dye (Stainless steel on HKSB)
- Allen head cover screw — cadmium plated steel (Stainless steel on HKSB)
- Glass lens — 3/8" thick tempered glass
- Finish — silver powder epoxy paint, electrostatically applied
- Special colors available in quantity

**Group A FM only on HK single cover box. Order with -GA suffix.*

***CENELEC on assembled HK parts only with suffix "C". CENELEC approvals obtained through EECS Electrical Equipment Certification Service, BASEEFA.*

† Seal within 18" of enclosure for Groups BCD and within 6" for Group A in accordance with sections 501-5 and 502-5 of the National Electrical Code.

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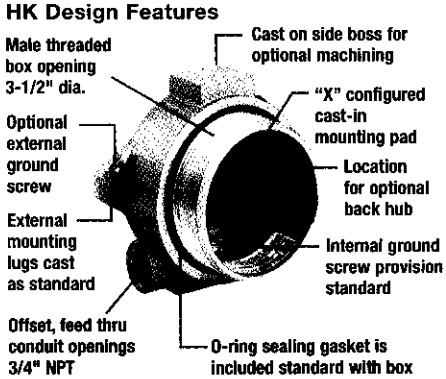
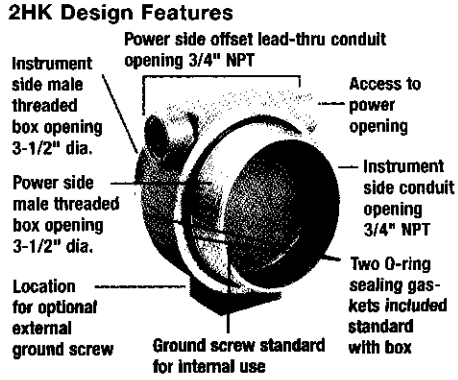
HK Design Features



2HK Design Features



Boxes

HKB

2HKB

HKB-BC

Standard Flat Covers

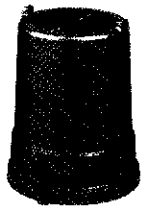
HFC Blank

HKGL Lens

Dome Covers 2" and 4"

HK2D Blank

HK2GLD Lens



HK4D Blank

Classified - File E83969
& File E150827

Certified - File LR11716

File 1W1R4-RE

EECS Certificate No. EX88B1053U
CENELEC (Component Certificate)

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Factory Modifications

Approvals allow for factory or field modifications on HKB box for drilling and tapping conduit openings on side or back of enclosure without voiding UL-CSA-FM approvals. Internal mounting pad holes on "X" configured boss can be factory added by drilling from inside of box without piercing the bottom of enclosures. Assemblies with CENELEC approvals must be factory modified in order to comply with certifications.

2HKB Series Boxes

The wall that separates the instrument side from the power side can be machined for slots or holes up to a maximum of two slots 5/16" by 1-1/2".

Submit drawings for machining requirements to Killark.

HK COMPONENT PARTS

CATALOG NUMBER	DESCRIPTION
HKB	Single cover box only
2HKB	Double cover Box only
HFC	Flat cover
HFGL	Lens cover
HK2D	2" Dome cover
HK4D	4" Dome Cover
HK2GLD	2" Dome lens cover

HK ASSEMBLED PARTS②③

CATALOG NUMBER (CAST ALUMINUM)				CATALOG NUMBER (STAINLESS STEEL)	COVER TYPE
HKB BOX & COVERS		2HKB BOX WITH BLANK COVER ON POWER SIDE & OPTIONAL COVER ON INSTRUMENT SIDE.④			
UL-CSA-FM APPROVED	CENELEC UL-CSA-FM APPROVED①	(UL-CSA-FM)	CENELEC UL-CSA-FM APPROVED①	HKSB BOX & COVERS CENELEC UL-CSA-FM APPROVED	
HKB-B	HKB-BC	2HKB-B-B	2HKB-BC-BC	HKSB-BC	Standard cover
HKB-2D	HKB-2DC	2HKB-B-2D	2HKB-BC-2DC	—	2" Dome cover
HKB-4D	HKB-4DC	2HKB-B-4D	2HKB-BC-4DC	—	4" Dome cover
HKB-GL	HKB-GLC	2HKB-B-GL	2HKB-BC-GLC	HKSB-GLC	Lens cover
HKB-2GLD	HKB-2GLDC	2HKB-B-2GLD	2HKB-BC-2GLDC	—	2" Dome lens cover

① *Assemblies that are CENELEC approved include as standard:*
- *External ground screw with terminal*
- *Predrilled nameplate holes and screw on pad for customer installed nameplate.*

② *See information at right for optional factory machining.*

③ *Product is stocked at component level. Recommend ordering as such for reduced lead time.*

④ *2HKB Assemblies include a flat cover on power side, dome and lens covers can be substituted in place of flat cover, consult factory for ordering details.*

HKB FACTORY MODIFICATIONS

OPTIONAL FACTORY MACHINING (HKB)

CATALOG SUFFIX	DESCRIPTION
-01 -	1/2 NPT hub in back
-02 -	3/4 NPT hub in back
-20 -	3/4 NPT hub in side
-21 -	3/4 NPT hub in side 1/2 NPT hub in back
-22 -	3/4 NPT hub in side 3/4 NPT hub in back
-02S -	3/4 NPSM hub in back
-22S -	3/4 NPT hub in side 3/4 NPSM hub in back
-2S2S -	3/4 NPSM hub in side 3/4 NPSM hub in back
-2S0 -	3/4 NPSM hub in side
-2S1 -	3/4 NPSM hub in side 1/2 NPT hub in back
-2S2 -	3/4 NPSM hub in side 3/4 NPT hub in back
-GS	External ground screw (Standard on HKB assembly with CENELEC approvals)
-GA -	Group A - FM approval (Available only on HKB box furnished with covers installed)
-SU93 -	Unpainted - Natural finish
-SU9 -	Special colors of powder paint are available in quantity. Consult factory for details

Ordering examples:
Modified box component HKB-20
Modified assembly HKB - B - 20 OR HKB - BC - 20

E

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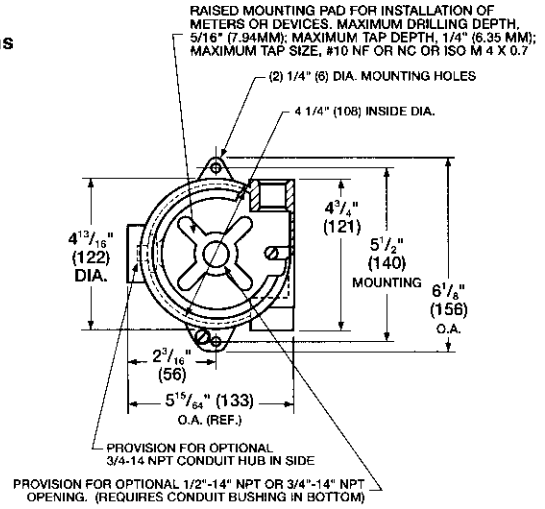
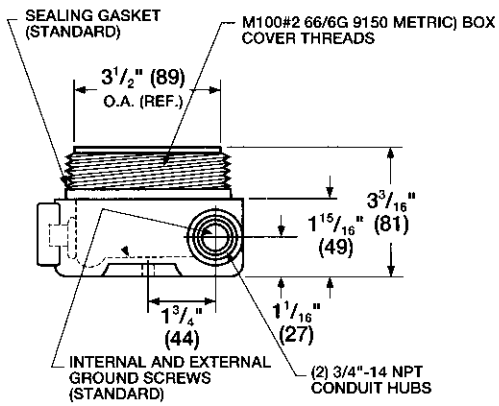
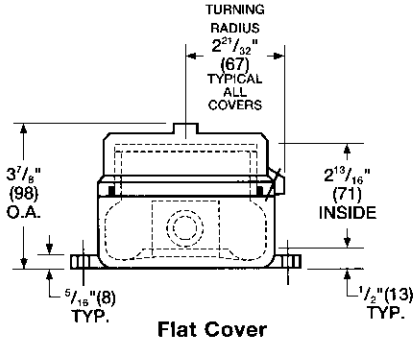
FEATURES-SPECIFICATIONS

Dimensions



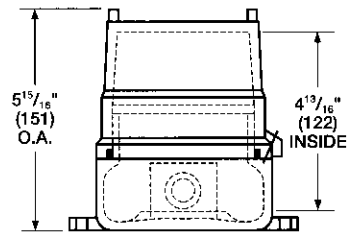
HKB Volume: 31 cu. in.



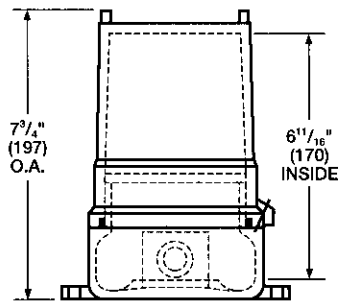


Flat Cover

HKB box and blank cover

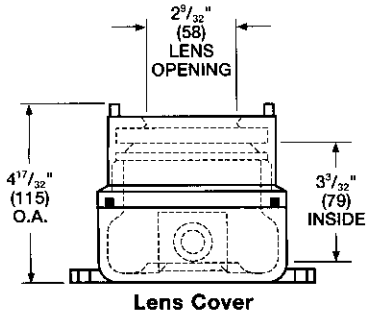


2" Dome Cover

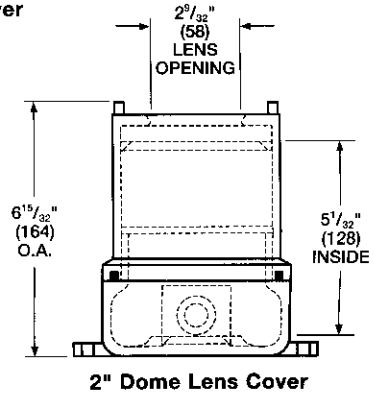


4" Dome Cover

HKB box and glass lens cover



Lens Cover



2" Dome Lens Cover

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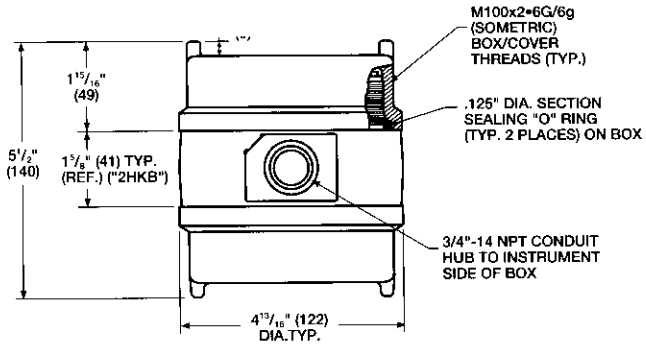
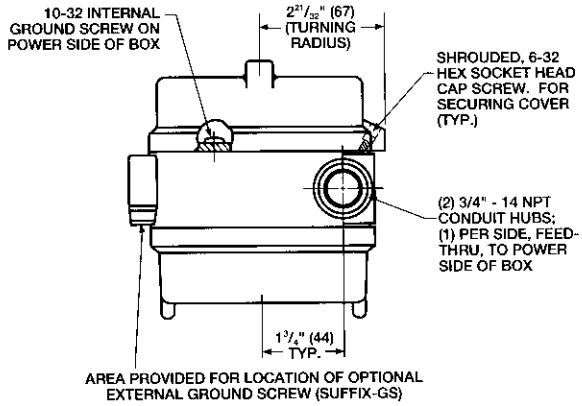
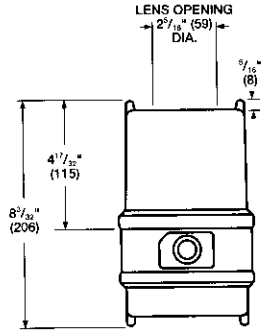
FEATURES-SPECIFICATIONS

Dimensions

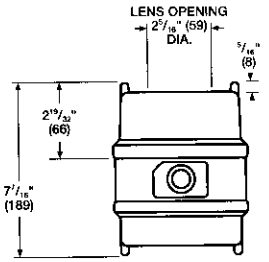


2HKB BOX w(2) HFC BLANK COVERS

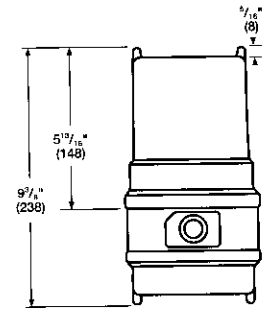




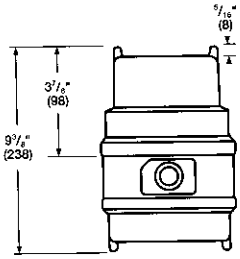
2 HKB BOX w/HK2GLD LENS/DOME COVER & HFC BLANK COVER



2 HKB BOX w/HKGL LENS/DOME COVER & HFC BLANK COVER



2 HKB BOX w/HK4D 4" LENS/DOME COVER & HFC BLANK COVER



2 HKB BOX w/HK2D 2" DOME COVER & HFC BLANK COVER

HUBBELL
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B7/DB/EXB/GR/XB/XJB SERIES • ENCLOSURES
CONDUIT OPENING DATA

Instructions
Drilled and tapped conduit openings will be evenly spaced and located in the area indicated on the location chart. Critical conduit opening locations may be indicated by supplying a diagram similar to the one shown at right indicating critical dimensions and locations. Specific conduit openings must be located dimensionally from box centerlines to conduit centerlines and from outside back surface of box to conduit centerline.

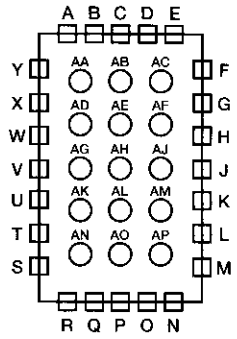
Ordering Information:
(1) Select the letter on location chart which indicates conduit opening position desired.

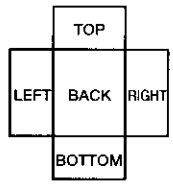
(2) Select symbol number from chart which indicates conduit opening type and size.

(3) Combine the conduit location letter, size and type number, and add as a suffix to junction box catalog number.

Example: XB-12168-C3-J5-PI3-AH4

EXB/XB/XJB/DB/GR SYMBOL NUMBERS		
CONDUIT SIZE	CONDUIT OPENINGS DRILLED AND TAPPED	UNION④
1/2"	1	11
3/4"	2	12
1"	3	13
1-1/4"	4	14
1-1/2"	5	15
2"	6	16
2-1/2"	7	17
3"	8	18
3-1/2"	9	19
4"	0	10
5"	02	–
6"	04	–





Drawing indicates position as looking into open face of box with short side (top) up.

EXB/XB/XJB/DB/GR
MINIMUM CENTERS FOR DRILLED AND TAPPED OPENINGS AND UNION HUBS

SIZE	FORM	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"
1/2"	①MIN	1-3/16"	–	–	–	–	–	–	–	–	–	–	–
1/2"	②PRE	1-3/8"	–	–	–	–	–	–	–	–	–	–	–
1/2"	③GU	1-5/8"	–	–	–	–	–	–	–	–	–	–	–
3/4"	①MIN	1-3/8"	1-1/2"	–	–	–	–	–	–	–	–	–	–
3/4"	②PRE	1-1/2"	1-5/8"	–	–	–	–	–	–	–	–	–	–
3/4"	③GU	1-3/4"	1-13/16"	–	–	–	–	–	–	–	–	–	–
1"	①MIN	1-1/2"	1-3/4"	1-13/16"	–	–	–	–	–	–	–	–	–
1"	②PRE	1-3/4"	1-7/8"	2"	–	–	–	–	–	–	–	–	–
1"	③GU	1-7/8"	2"	2-1/8"	–	–	–	–	–	–	–	–	–
1-1/4"	①MIN	1-11/16"	1-15/16"	2-1/16"	2-5/16"	–	–	–	–	–	–	–	–
1-1/4"	②PRE	1-15/16"	2-1/16"	2-1/4"	2-1/2"	–	–	–	–	–	–	–	–
1-1/4"	③GU	2-1/16"	2-1/4"	2-5/16"	2-1/2"	–	–	–	–	–	–	–	–
1-1/2"	①MIN	1-5/16"	2-1/16"	2-3/16"	2-1/2"	2-5/8"	–	–	–	–	–	–	–
1-1/2"	②PRE	2-1/8"	2-1/4"	2-3/8"	2-5/8"	2-3/4"	–	–	–	–	–	–	–
1-1/2"	③GU	2-3/16"	2-9/32"	2-7/16"	2-5/8"	2-3/4"	–	–	–	–	–	–	–
2"	①MIN	2-1/4"	2-3/8"	2-9/16"	2-13/16"	2-15/16"	3-3/16"	–	–	–	–	–	
2"	②PRE	2-3/8"	2-1/2"	2-3/4"	3"	3-1/8"	3-3/8"	–	–	–	–	–	–
2"	③GU	2-1/2"	2-19/32"	2-3/4"	3"	3-1/8"	3-3/8"	–	–	–	–	–	–
2-1/2"	①MIN	2-7/16"	2-9/16"	2-3/4"	3"	3-1/8"	3-3/8"	3-5/8"	–	–	–	–	–
2-1/2"	②PRE	2-5/8"	2-3/4"	3"	3-1/4"	3-3/8"	3-5/8"	4"	–	–	–	–	–
2-1/2"	③GU	3-1/8"	3-7/32"	3-3/8"	3-9/16"	3-11/16"	4"	4-5/8"	–	–	–	–	–
3"	①MIN	2-13/16"	2-15/16"	3-1/16"	3-5/16"	3-7/16"	3-3/4"	4"	4-5/16"	–	–	–	–
3"	②PRE	3"	3-1/8"	3-3/8"	3-5/8"	3-3/4"	4"	4-3/8"	4-3/4"	–	–	–	–
3"	③GU	3-9/16"	3-21/32"	3-13/16"	4"	4-1/8"	4-7/16"	5-1/16"	5-1/2"	–	–	–	–
3-1/2"	①MIN	3-1/8"	3-1/4"	3-3/8"	3-5/8"	3-3/4"	4-1/16"	4-5/16"	4-5/8"	4-15/16"	–	–	–
3-1/2"	②PRE	3-3/8"	3-1/2"	3-5/8"	3-7/8"	4"	4-3/8"	4-5/8"	5"	5-3/8"	–	–	–
3-1/2"	③GU	4"	4-3/32"	4-1/4"	4-7/16"	4-9/16"	4-7/8"	5-1/2"	5-15/16"	6-3/8"	–	–	–
4"	①MIN	3-7/16"	3-9/16"	3-11/16"	3-15/16"	4-1/16"	4-3/8"	4-5/8"	4-15/16"	5-1/4"	5-9/16"	–	–
4"	②PRE	3-3/4"	3-7/8"	4"	4-1/4"	4-3/8"	4-3/4"	5"	5-3/4"	5-5/8"	6"	–	–
4"	③GU	4"	4-3/32"	4-1/4"	4-7/16"	4-9/16"	4-7/8"	5-1/2"	5-15/16"	6-3/8"	6-3/8"	–	–
5"	①MIN	4-1/8"	4-1/4"	4-3/8"	4-5/8"	4-3/4"	5"	5-1/4"	5-9/16"	5-7/8"	6-3/16"	6-3/16"	–
5"	②PRE	4-3/8"	4-1/2"	4-5/8"	4-7/8"	5"	5-3/8"	5-5/8"	6"	6-1/4"	6-5/8"	7-1/4"	–
6"	①MIN	4-3/4"	4-7/8"	5"	5-1/4"	5-3/8"	5-5/8"	5-7/8"	6-3/16"	6-1/2"	6-13/16"	7-7/16"	8-1/8"
6"	②PRE	5"	5-1/8"	5-1/4"	5-1/2"	5-5/8"	6"	6-1/4"	6-5/8"	7"	7-1/4"	8"	8-5/8"
LOCKNUT		1-1/4"	1-1/8"	1-11/16"	2-3/16"	2-7/16"	3"	3-7/16"	4-3/16"	4-13/16"	5-3/8"	6-11/16"	7-15/16"
BUSHING		1"	1-1/4"	1-1/2"	1-7/8"	2-1/8"	2-5/8"	3-3/16"	3-7/8"	4-7/16"	5"	6-1/4"	7-3/8"
CONDUIT		7/8"	1-1/16"	1-3/8"	1-11/16"	1-15/16"	2-3/8"	2-7/8"	3-1/2"	4"	4-1/2"	5-9/16"	6-5/8"

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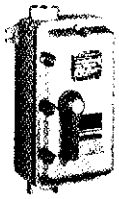
KILLARK®

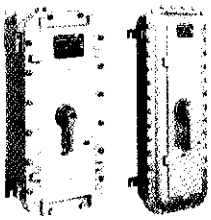
① *Minimum spacing required to provide clearance over locknuts and bushings.*
② *Preferred more liberal spacings between centers of conduits to be used whenever possible.*
③ *GU- spacing required for "GU" Series unions.*
④ *Supplied by using a drilled and tapped conduit opening with "GUM" Series union.*
⑤ *Note: For metric conduit openings round up to the nearest NPT and use "GU" spacing.*

Section DE

DISTRIBUTION EQUIPMENT INDEX



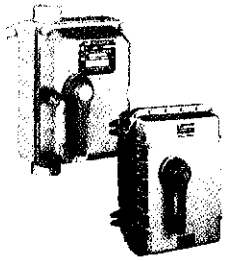
XEC Series
Circuit Breakers 2



B7C Series
Prism Circuit Breakers 3-6

DEDS Series
Disconnect Switches
3 Pole/Non-Fusible 7

DIS Series
Disconnect Switches.....8

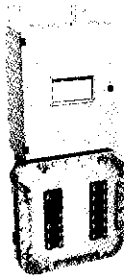


XEDS/XDS Series
Disconnect Switches
3 Pole/Non-Fusible 9

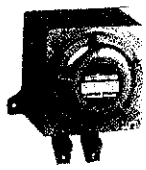
XFS Series
Disconnect Switches
3 Pole/Fusible.....10-11

B7L Series
Lighting Panelboards.....12-13

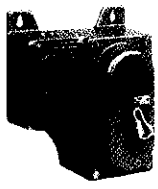
B7P Series
Power Panelboards.....14-16



D2L/D2PC Series
Factory Sealed Panelboards.....17-21



GCBB Series
Circuit Breaker Load Centers.....22



GFCS Series
Ground Fault Control Station 23

XEC SERIES • DISTRIBUTION EQUIPMENT
CIRCUIT BREAKER ENCLOSURES

Applications

- Hazardous areas due to the presence of flammable gases or vapors, combustible dusts, or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants, storage areas, and other processing facilities where hazardous substances are handled or stored
- Provides overcurrent and short circuit protection of service entrance, feeder or branch circuits, lighting, heating, appliance and motor circuits

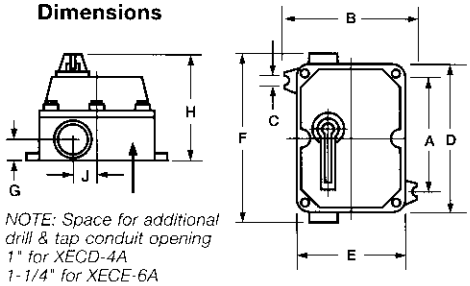
Features

- Rectangular bolted cover design provides for attractive, compact, uniform installations
- Two cast conduit hubs; one top and one bottom
- Internal circuit breaker handle mechanism is a sliding plate type mounted to the cover
- External handle is vault type with standard provisions for locking in "OFF" position with up to three padlocks
- Provisions for locking in "ON" position available as factory modification (add suffix SU40 to catalog number)
- Circuit breaker is trip free of handle mechanism
- Locking in the "ON" position does not prevent the circuit breaker from opening under short circuit or overload conditions

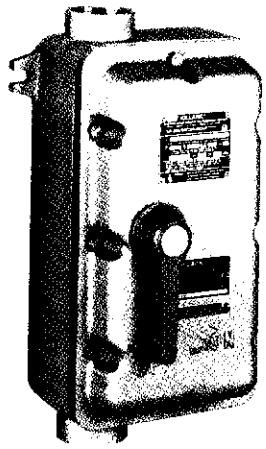
Material Specifications

- Enclosure and external circuit breaker handle is cast copper-free aluminum alloy (less than 4/10 of 1%)
- Cover bolts are stainless steel
- Interior handle mechanism and hardware is dichromate over cadmium finished sheet steel for maximum strength and corrosion resistance

Dimensions



NOTE: Space for additional drill & tap conduit opening
1" for XECD-4A
1-1/4" for XECE-6A
2" for XECF-6A
Also is location for SU3 drain and breather when requested.



Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

UL Listed - File E30962
CSP Certified - File LR18179
FM File 26829
APPROVED See files for details or call Killark.

FEATURES-SPECIFICATIONS

XEC CIRCUIT BREAKERS					
CATALOG NUMBER					TRIP AMPS
EHD FRAME			FDB FRAME		
1-POLE 277 VAC 125 VDC	2-POLE 240/480 VAC 250 VDC	3-POLE 240/480 VAC —	2-POLE 600 VAC 250 VDC	3-POLE 600 VAC	
XECD-154A1	XECD-154A2	XECE-154A3	XECE-156A2	XECE-156A3	15
XECD-204A1	XECD-204A2	XECE-204A3	XECE-206A2	XECE-206A3	20
XECD-304A1	XECD-304A2	XECE-304A3	XECE-306A2	XECE-306A3	30
XECD-404A1	XECD-404A2	XECE-404A3	XECE-406A2	XECE-406A3	40
XECF-504A1	XECF-504A2	XECF-504A3	XECF-506A2	XECF-506A3	50
XECF-604A1	XECF-604A2	XECF-604A3	XECF-606A2	XECF-606A3	60
XECF-704A1	XECF-704A2	XECF-704A3	XECF-706A2	XECF-706A3	70
XECF-804A1	XECF-804A2	XECF-804A3	XECF-806A2	XECF-806A3	80
XECF-904A1	XECF-904A2	XECF-904A3	XECF-906A2	XECF-906A3	90
XECF-1004A1	XECF-1004A2	XECF-1004A3	XECF-1006A2	XECF-1006A3	100
ENCLOSURE ONLY					
XECD-4A	XECD-4A	XECE-6A	XECE-6A	XECE-6A	For 40 Amp or less
XECF-6A	XECF-6A	XECF-6A	XECF-6A	XECF-6A	For 50-100 Amp

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
SU3	Drain and breather
SU40	Lock "ON"

NOTE: Only Cutler-Hammer Series "C" breakers fit this series. See B7C series on page DE3-6 for other brands.

ELECTRICAL RATINGS INTERRUPTING CAPACITY			
FRAME	VOLTS	AMPS SYMMETRICAL	AMPS D.C.
EHD 15-100 AMPS	240 VAC	18,000	–
	277 VAC	14,000	–
	480 VAC	14,000	–
	250 VDC	–	10,000
FDB 15-150 AMPS	240 VAC	18,000	–
	480 VAC	14,000	–
	600 VAC	14,000	–
	250 VDC	–	10,000

XEC DIMENSIONS										
CATALOG NUMBER	HUB SIZE	A	B	C	D	E	F	G	H	J
XECD-4A	1"	8-3/8" (213)	7-7/16" (189)	13/16" (21)	10-1/4" (260)	6" (152)	11-7/8" (302)	1-3/8" (35)	6-7/8" (175)	1-1/2" (38)
XECE-6A	1-1/4"	8-3/8" (213)	8-3/4" (222)	13/16" (21)	10-1/4" (260)	7-3/8" (187)	11-7/8" (302)	1-3/8" (35)	6-7/8" (175)	2" (51)
XECF-6A	2"	10-7/8" (276)	9-1/8" (232)	13/16" (21)	13-7/8" (352)	7-3/4" (197)	16" (406)	1-3/4" (44)	7" (178)	2" (51)

NOTE: A & B dimensions are for mounting.

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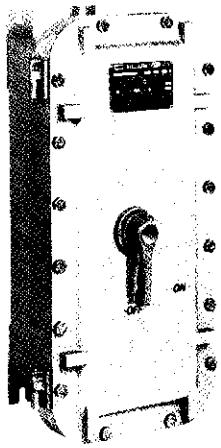


Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)

#UL1203-Explosion Proof and Dust-Ignition-Proof Electrical Equipment For Use In Hazardous (Classified) Locations. File #E83969

#C22.2 NO. 30-M1986-Explosion Proof Enclosures For Use In Class I Hazardous Locations. File #LR11714

FEATURES-SPECIFICATIONS

PRISM®

Applications

- Locations such as petroleum refineries, chemical and petroleum plants with indoor and outdoor processes
- Motor control and circuit protection in locations made hazardous due to the presence of flammable gases or vapors, combustible dust, or easily ignitable fibers and flyings, and areas which are subject to corrosion, weather and dampness
- To provide overcurrent and short circuit protection of service entrance, feeder or branch circuits, lighting, heating, appliance and motor circuits
- To provide line disconnect means

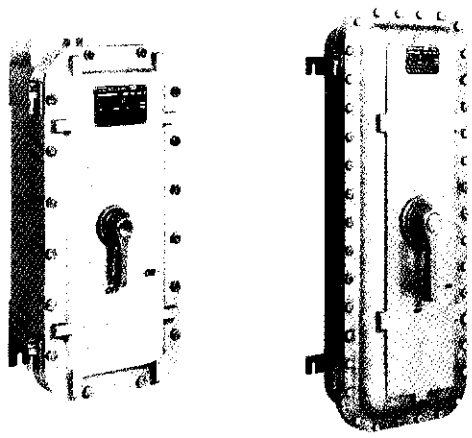
Features

- Copper-free, cast aluminum construction (less than 4/10 of 1%)
- High strength, lighter in weight, corrosion resistant
- Hinged Cover is standard
- More Wiring Room. Meets the latest NEC/CEC wire bending requirements for circuit breaker enclosures
- Ductile Mounting Lugs. Lugs are made of ductile aluminum alloy to adjust to irregular mounting surfaces without damage to enclosure
- Universal Mounting Pan. Sheet aluminum pan is pre-drilled to facilitate easy field installation of major circuit breaker brands. Provisions for grounding supplied as standard
- Conduit Openings Supplied. Standard conduit openings include power conduit top and bottom and a plugged opening suitable for field installation of drain and breather

  Special conduit openings can be supplied at factory, or can be field installed
- Breaker Handle. Provisions for lock "ON" or "OFF" positions with up to three padlocks. Spring loaded to prevent damage of breaker toggle and provides positive handle alignment. "O" ring on shaft to prevent water seeping into enclosure
- Recessed Flange Notches. Flanges are notched to allow for easier cover opening with prying instrument without flange damage
- Gasketed Flange. Nitrile (BUNA-N) "O" ring gasket is located inside cover bolt circle to prevent water seeping into enclosure
- Quick Release, Captivated Cover. Bolts of 316 Grade Stainless Steel Triple lead bolts require only 3-1/2 turns to disengage

Material/Finish

- Enclosure: Copper-free, cast aluminum (less than 4/10 of 1%)
- Cover Bolts: 316 grade stainless steel
- Mounting Pan: Sheet aluminum
- Handle Mechanism: Cast aluminum with stainless steel shaft and hardware
- Hinges: Aluminum with stainless steel hardware
- Aluminum lacquer paint finish is standard, with special epoxy finish available. See page DE6



FEATURES-SPECIFICATIONS

B7C CIRCUIT BREAKER ENCLOSURES				
ENCLOSURE ONLY CATALOG NUMBER	WILL ACCEPT THE FOLLOWING CIRCUIT BREAKERS:			
	MANUFACTURER	FRAME SIZE	CIRCUIT BREAKER TYPE	MAX. AMP
B7CA	CUTLER-HAMMER/WESTINGHOUSE	F	EHD, FDB, FD, HFD, FDC	100
	GENERAL ELECTRIC	E150	TEB, TED, THED, TEL	100
	ITE - SIEMENS	ED	ED2, ED4, ED6, HED4, HED6	90
	SQUARE D	F	FAL, FHL, FCL	100
B7CB	CUTLER-HAMMER/WESTINGHOUSE	F	EHD, FDB, FD, HFD, FDC	150
	GENERAL ELECTRIC	E150	TEB, TED, THED, TEL	150
	ITE - SIEMENS	ED	ED2, ED4, ED6, HED4, HED6	125
B7CC	CUTLER-HAMMER/WESTINGHOUSE	J	JD, JDB, JDC, HJD	250
	GENERAL ELECTRIC	F225	TFJ, TFK, THFK, TFL	225
	SQUARE D	K	KAL, KHL, KCL	250
B7CD	CUTLER-HAMMER/WESTINGHOUSE	K	DK, KDB, KD, HKD, KDC	400
	GENERAL ELECTRIC	J600	TJJ, TJK4, THJK4	400
	ITE - SIEMENS	FD	FXD6 FD6, HFD6, CFD6	250
	ITE - SIEMENS	JD	JXD2, JXD6, JD6, HJD6, HHJD6, CJD6	400
	SQUARE D	L	LAL, LHL	400
B7CE	CUTLER-HAMMER/WESTINGHOUSE	L	LDB, LD, HLD, LDC	600
	GENERAL ELECTRIC	J600	TJK6, THJK6	600
	TE - SIEMENS	LD	LXD6, LD6, HLD6, HHLD6, CLD6	600
	SQUARE D	LC	LCL	600
B7CF	CUTLER-HAMMER/WESTINGHOUSE	N	ND, HND, NDC	1200
	GENERAL ELECTRIC	K1200	TKM8, THKM8, TKM12, THKM12	1200
	ITE - SIEMENS	MD	MD6, MXD6, HMXD6, HMD6, CMD6	800
	ITE - SIEMENS	ND	ND6, NXD6, HNXD6, CND6	1200
	SQUARE D	M	MAL, MHL	1000

NOTE: Enclosure includes mounting pan which is pre-drilled to accept circuit breakers illustrated above.
Mounting screw hardware for circuit breaker is not supplied with enclosure and must be furnished by supplier of circuit breaker.

B7C ENCLOSURE WITH CIRCUIT BREAKER INSTALLED

BREAKER AMPERAGE	MAXIMUM VOLTAGE	CATALOG NUMBER			CATALOG NUMBER		
		CUTLER-HAMMER/WESTINGHOUSE BREAKERS			SQUARE D BREAKERS		
		FRAME SIZE	2 POLE	3 POLE	FRAME SIZE	2 POLE	3 POLE
15	480	EHD	B7CA-WEHD-42015	B7CA-WEHD-43015	FAL4	B7CA-SFAL-42015	B7CA-SFAL-43015
15	600	FDB	B7CA-WFDB-62015	B7CA-WFDB-63015	FAL6	B7CA-SFAL-62015	B7CA-SFAL-63015
20	480	EHD	B7CA-WEHD-42020	B7CA-WEHD-43020	FAL4	B7CA-SFAL-42020	B7CA-SFAL-43020
20	600	FDB	B7CA-WFDB-62020	B7CA-WFDB-63020	FAL6	B7CA-SFAL-62020	B7CA-SFAL-63020
30	480	EHD	B7CA-WEHD-42030	B7CA-WEHD-43030	FAL4	B7CA-SFAL-42030	B7CA-SFAL-43030
30	600	FDB	B7CA-WFDB-62030	B7CA-WFDB-63030	FAL6	B7CA-SFAL-62030	B7CA-SFAL-63030
40	480	EHD	B7CA-WEHD-42040	B7CA-WEHD-43040	FAL4	B7CA-SFAL-42040	B7CA-SFAL-43040
40	600	FDB	B7CA-WFDB-62040	B7CA-WFDB-63040	FAL6	B7CA-SFAL-62040	B7CA-SFAL-63040
50	480	EHD	B7CA-WEHD-42050	B7CA-WEHD-43050	FAL4	B7CA-SFAL-42050	B7CA-SFAL-43050
50	600	FDB	B7CA-WFDB-62050	B7CA-WFDB-63050	FAL6	B7CA-SFAL-62050	B7CA-SFAL-63050
60	480	EHD	B7CA-WEHD-42060	B7CA-WEHD-43060	FAL4	B7CA-SFAL-42060	B7CA-SFAL-43060
60	600	FDB	B7CA-WFDB-62060	B7CA-WFDB-63060	FAL6	B7CA-SFAL-62060	B7CA-SFAL-63060
70	480	EHD	B7CA-WEHD-42070	B7CA-WEHD-43070	FAL4	B7CA-SFAL-42070	B7CA-SFAL-43070
70	600	FDB	B7CA-WFDB-62070	B7CA-WFDB-63070	FAL6	B7CA-SFAL-62070	B7CA-SFAL-63070
80	480	EHD	B7CA-WEHD-42080	B7CA-WEHD-43080	FAL4	B7CA-SFAL-42080	B7CA-SFAL-43080
80	600	FDB	B7CA-WFDB-62080	B7CA-WFDB-63080	FAL6	B7CA-SFAL-62080	B7CA-SFAL-63080
90	480	EHD	B7CA-WEHD-42090	B7CA-WEHD-43090	FAL4	B7CA-SFAL-42090	B7CA-SFAL-43090
90	600	FDB	B7CA-WFDB-62090	B7CA-WFDB-63090	FAL6	B7CA-SFAL-62090	B7CA-SFAL-63090
100	480	EHD	B7CA-WEHD-42100	B7CA-WEHD-43100	FAL4	B7CA-SFAL-42100	B7CA-SFAL-43100
100	600	FDB	B7CA-WFDB-62100	B7CA-WFDB-63100	FAL6	B7CA-SFAL-62100	B7CA-SFAL-63100
125	600	FDB	B7CB-WFDB-62125	B7CB-WFDB-63125	—	—	—
125	600	JDB	B7CC-WJDB-62125	B7CC-WJDB-63125	KAL	B7CC-SKAL-62125	B7CC-SKAL-63125
150	600	FDB	B7CC-WFDB-62150	B7CB-WFDB-63150	—	—	—
150	600	JDB	B7CC-WJDB-62150	B7CC-WJDB-63150	KAL	B7CC-SKAL-62150	B7CC-SKAL-63150
175	600	JDB	B7CC-WJDB-62175	B7CC-WJDB-63175	KAL	B7CC-SKAL-62175	B7CC-SKAL-63175
200	600	JDB	B7CC-WJDB-62200	B7CC-WJDB-63200	KAL	B7CC-SKAL-62200	B7CC-SKAL-63200
225	600	JDB	B7CC-WJDB-62225	B7CC-WJDB-63225	KAL	B7CC-SKAL-62225	B7CC-SKAL-63225
250	600	JDB	B7CC-WJDB-62250	B7CC-WJDB-63250	KAL	B7CC-SKAL-62250	B7CC-SKAL-63250
250	600	KD	B7CD-WKD-62250	B7CD-WKD-63250	LAL	B7CD-SLAL-62250	B7CD-SLAL-63250
300	600	KD	B7CD-WKD-62300	B7CD-WKD-63300	LAL	B7CD-SLAL-62300	B7CD-SLAL-63300
350	600	KD	B7CD-WKD-62350	B7CD-WKD-63350	LAL	B7CD-SLAL-62350	B7CD-SLAL-63350
400	600	KD	B7CD-WKD-62400	B7CD-WKD-63400	LAL	B7CD-SLAL-62400	B7CD-SLAL-63400
400	600	LD	B7CE-WLD-62400	B7CE-WLD-63400	—	—	—
500	600	LD	B7CE-WLD-62500	B7CE-WLD-63500	LCL	B7CE-SLCL-62500	B7CE-SLCL-63500
600	600	LD	B7CE-WLD-62600	B7CE-WLD-63600	LCL	B7CE-SLCL-62600	B7CE-SLCL-63600
600	600	ND	B7CF-WND-62600	B7CF-WND-63600	MAL	B7CF-SMAL-62600	B7CF-SMAL-63600
700	600	ND	B7CF-WND-62700	B7CF-WND-63700	MAL	B7CF-SMAL-62700	B7CF-SMAL-63700
800	600	ND	B7CF-WND-62800	B7CF-WND-63800	MAL	B7CF-SMAL-62800	B7CF-SMAL-63800
1000	600	ND	B7CF-WND-621000	B7CF-WND-631000	MAL	B7CF-SMAL-621000	B7CF-SMAL-631000
1200	600	ND	B7CF-WND-621200	B7CF-WND-631200	MAL	—	—

NOTE: See page DE6 of this brochure for dimensional information and circuit breaker interrupting information.

B7C SERIES • DISTRIBUTION EQUIPMENT
CIRCUIT BREAKER ENCLOSURES

TECHNICAL DATA INTERRUPTING CAPACITY RATINGS (SYMMETRICAL AMPERES)				
BREAKER FRAME	VOLTS AC			VOLTS DC
CUTLER-HAMMER/ WESTINGHOUSE	240	480	600	250
EHD	18,000	14,000	—	10,000
FDB	18,000	14,000	14,000	10,000
JDB	65,000	25,000	18,000	10,000
KD	65,000	35,000	25,000	10,000
LD	65,000	35,000	25,000	22,000
ND	65,000	50,000	25,000	—
SQUARE D				
FAL4	25,000	18,000	—	10,000
FAL6	25,000	18,000	14,000	10,000
KAL	42,000	25,000	22,000	10,000
LAL	42,000	30,000	22,000	10,000
LCL	100,000	65,000	35,000	—
MAL	42,000	30,000	22,000	14,000

Consult factory for requirements on higher interrupting rated breakers.

Dimensions

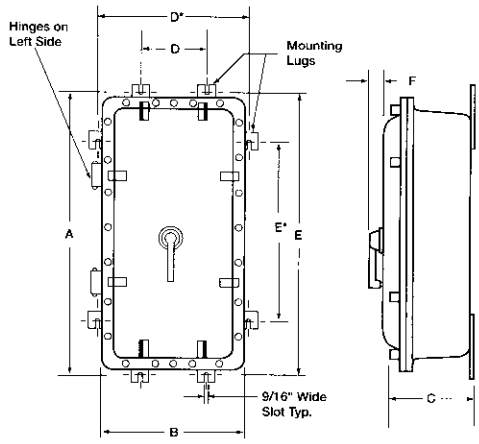


Figure 1

ACCESSORIES / OPTIONS*	
CATALOG NUMBER	DESCRIPTION
SU3①	Drain & breather NEMA 3, 7CD, 9EFG
SU3B①②	Drain & breather NEMA 3, 7BCD, 9EFG
B7CGRND	Grounding lug kit
B7C-SN1	Solid neutral 150 AMP
B7C-SN2	Solid neutral 250 AMP
B7C-SN3	Solid neutral 600 AMP
B7C-SN4	Solid neutral 1200 AMP
B7SF	Special epoxy finish
B7SPNPT	Change standard conduit openings

**To be ordered as separate item with notation on order for assembly into enclosure.*

NOTE: Modifications to Internal Circuit Breaker such as Shunt Trip, Auxiliary Switches, Alarm Switch and Undervoltage Release Mechanism are available and should be ordered by description.

① *Installation of Drain & Breather will void the NEMA 4-4x rating.*

② *Not CSA*

Dimensions

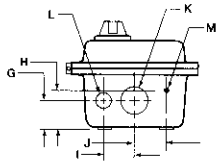


Figure 2

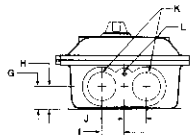


Figure 3

B7C DIMENSIONS													
CATALOG NUMBER	USE FIGURES	DIMENSIONS											
		A	B	C	D	D*	E	E*	F	G	H	I	J
B7CA	1,2	18"	11"	9-1/8"	3-5/8"	N/A	16-3/8"	N/A	1-3/4"	2-15/16"	3-11/16"	2-3/8"	2-1/8"
B7CB	1,2	26-1/4"	12-1/2"	10-3/4"	5"	N/A	24-5/8"	N/A	1-3/4"	4-5/16"	5-3/4"	2-3/4"	2-1/2"
B7CC	1,2	34-1/4"	16-1/2"	11-1/2"	9"	N/A	32-5/8"	N/A	1-3/4"	4-11/16"	6-1/4"	4"	3-3/4"
B7CD	1,2	34-1/4"	16-1/2"	11-1/2"	9"	N/A	32-5/8"	N/A	2-5/8"	4-11/16"	6-1/4"	4"	3-3/4"
B7CE	1,3	45-3/8"	17-1/2"	9-5/8"	N/A	15-1/4"	N/A	33"	2-5/8"	3-3/16"	4-1/2"	2-3/4"	2-3/4"
B7CF	1,3	62-1/4"	20-1/4"	15"	N/A	18-1/2"	N/A	43-1/2"	2-5/8"	5-3/8"	7-3/8"	3-1/2"	3-1/2"

DIMENSIONS (CONTINUED)					
CATALOG NUMBER	USE FIGURES	CONDUIT OPENINGS TOP & BTM. (NPT)			EST. ENCL. WT. (LBS.)
		K	L	M	
B7CA	1, 2	1-1/2"	3/4"	1/2"	46
B7CB	1, 2	2"	1"	1/2"	80
B7CC	1, 2	3"	1"	1/2"	155
B7CD	1, 2	3"	1"	1/2"	155
B7CE	1, 3	3"	1/2"	N/A	215
B7CF	1, 3	4"	1/2"	N/A	540

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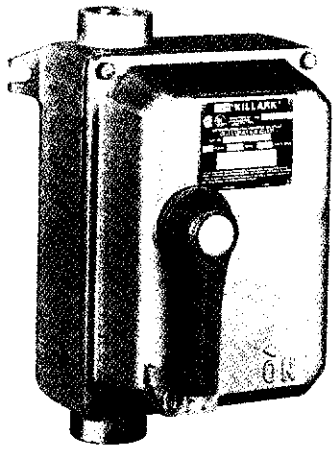
KILLARK®



Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3R, 4, 9(E,F,G)

Ⓤ Listed - File E53290

Ⓒ Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Hazardous areas due to the presence of combustible dusts or easily ignitable fibers or flyings
- Use in damp or wet locations. Either indoor or outdoor installations
- Installations such as feedmills, grain elevators, coal handling facilities, certain chemical, fertilizer and food processing industries where either hazardous or non-hazardous dusts are handled or stored
- Use in accordance with the NEC/CEC where a horsepower rated quick make-quick break disconnect means for a motor and its controller is permitted

Features

(30-60-100 Amp Housing Styles)

- Bolted and gasketed cabinet type construction insures the exclusion of conductive or combustible dusts from entering the assembly. Enclosure and external handle is copper-free aluminum alloy (less than 4/10 of 1%)
- Interior handle mechanism and hardware is dichromate over cadmium finish sheet steel for maximum strength and corrosive resistance. Cover bolts are stainless steel
- External handle is vault type with standard provisions for locking in the "OFF" position with up to three padlocks
- Provisions for locking in "ON" position available as factory modification. (Add suffix SU40 to catalog number)
- Cutler-Hammer Type-DS Switches
- Two cast conduit hubs; one top and one bottom
- Internal disconnect handle mechanism is a sliding plate mounted to the cover

DEDS DISCONNECT SWITCHES

CATALOG NUMBER				SWITCH RATING
ENCLOSURE WITH SWITCH	ENCLOSURE WITH SWITCH AND AUXILIARY CONTACTS	ENCLOSURE WITH SWITCH AND TWO AUXILIARY CONTACTS	ENCLOSURE ONLY (WITHOUT SWITCH OR AUXILIARY CONTACTS)	
DEDS-30	DEDS-30A	DEDS-30AA	DEDS-A	30 AMP
DEDS-60	DEDS-60A	DEDS-60AA	DEDS-A	60 AMP
DEDS-100	DEDS-100A	DEDS-100AA	DEDS-B	100 AMP

Auxiliary Switch Kits are available for separate control circuit applications. Each auxiliary switch has one normally open and one normally closed contact. Each switch includes three soldered, identified leads. Rated 15 amps at 250 volts maximum.

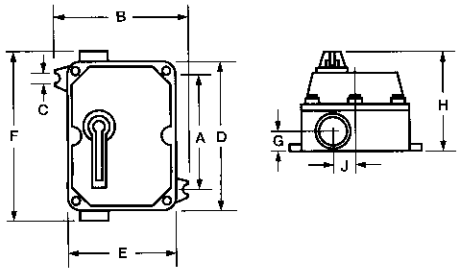
DEDS ELECTRICAL RATINGS

SWITCH AMPERES	MAXIMUM HORSEPOWER–THREE PHASE–3-POLE				
	120 VAC	240 VAC	480 VAC	600 VAC	250 VDC
30	5	10	20	25	7-1/2
60	10	20	40	60	15
100	15	30	75	75	25

DEDS DIMENSIONS

ENCLOSURE CATALOG NUMBER	CONDUIT SIZE	A	B	C	D	E	F	G	H	J
DEDS-A	1-1/4"	8-3/8" (213)	8-13/16" (224)	7/16" (11)	10-1/4" (260)	7-3/8" (187)	12-1/8" (308)	1-3/8" (35)	6-7/8" (175)	2" (51)
DEDS-B	2"	10-7/8" (276)	9-1/8" (232)	7/16" (11)	13-7/8" (252)	7-3/4" (197)	15-3/8" (391)	1-3/4" (44)	6-7/8" (175)	2" (51)

Dimensions



MODIFICATIONS

SUFFIX NUMBER	DESCRIPTION
SU3①	Drain and breather
SU17	100 Amp solid neutral
SU40	Lock "on" for handle
KIT-251	100 Amp ground lug

① *SU3 voids NEMA 4 ratings*

DE

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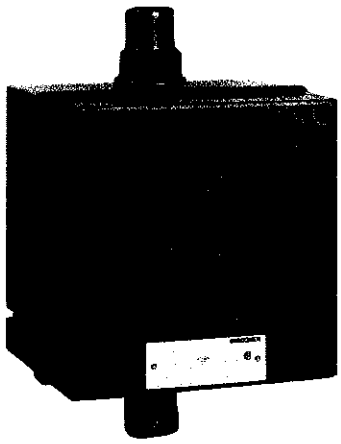


Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA①
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx ed IIC T6 IP66

FM APPROVED File J.I.2Q0A4.AX, J.I.2X5A0.AE

Certified File L.R.99468-5

PTB No. Ex-95.D.3155

FEATURES-SPECIFICATIONS

DISCONEX®

Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- Used as power disconnect switch for distribution units and motor circuits

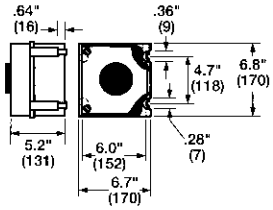
Features

- 16A, 32A, 63A and 125A models
- Fiberglass Reinforced Polyester enclosure with recessed EPDM gasket and captive stainless steel cover screws
- 3-pole (plus auxiliary) horsepower rated switch
- Increased safety terminals and integrated ground bar
- Large grip, lockable handle
- Other wiring entries available

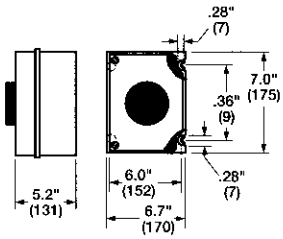
DIS CONTROL AND DISCONNECT SWITCHES				
AMP. RATING	HUB SIZE	CATALOG NUMBER		
		FEED-THROUGH ENTRY TOP & BOTTOM	FEED-THROUGH ENTRY (2) HUBS ON BOTTOM	WITHOUT CABLE/CONDUIT ENTRY
16	3/4"	DISF165002	DISF167002	DISF160000
32	1"	DISF325003	DISF327003	DISF320000
63	2"	DISF635006	DISF637006	DISF630000
125	2-1/2"	DISF1255007	DISF1257007	DISF1250000

TECHNICAL DATA		16 AMP.	32 AMP.	63 AMP.	125 AMP.
Rated Voltage	AC	660	660	660	660
Rated Voltage	DC	220	—	—	—
Horsepower	600VAC	10	30	60	125
	480VAC	10	20	40	100
	240VAC	5	10	20	40
	120VAC	2	5	10	20
Terminals	AWG	12	4	2	4/0
	Stranded (mm2)	2.5	16	25	95
	Solid (mm2)	—	25	35	120
Back-up Fuse (Required)	Class J	20 Max	40 Max	100 Max	200 Max

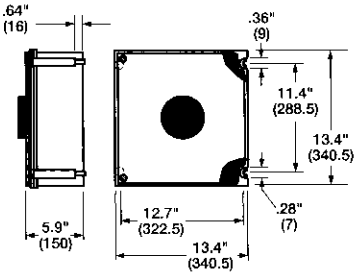
① *CSA Certified*



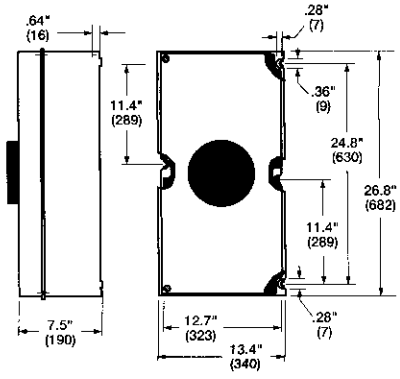
16A



32A



63A



125A

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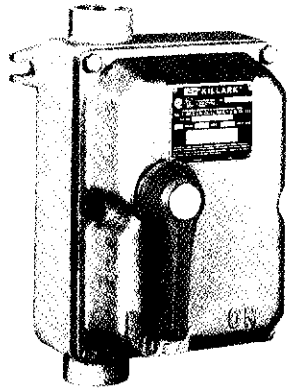
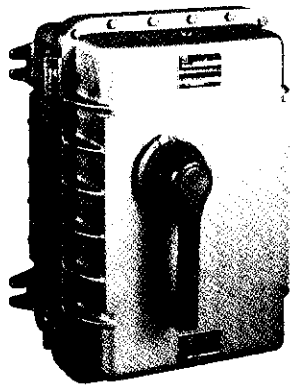


XEDS-30



XDS-2003

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

UL Listed - File E53290

CSA Certified - File LR1171

See files for details or call Killark.

Applications

- Hazardous areas due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Use in accordance with the NEC/CEC where a horsepower rated quick make-quick break disconnect means for a motor and its controller is permitted

30-60-100-200 Amp Housing

- External handle is vault type with standard provisions for locking in "OFF" position with up to three padlocks
- Provisions for locking in "ON" position available as factory modification (add suffix SU40 to catalog number)
- Enclosure and external handle is cast copper-free aluminum alloy (less than 4/10 of 1%)
- Cover bolts are stainless steel
- Cutler-Hammer Type-DS Switches

30-60-100 Amp Housing

- Two cast conduit hubs; one top and one bottom
- Internal disconnect handle mechanism is a sliding plate mounted to the cover

200 Amp Housing

- Two drilled and tapped conduit openings, one top and one bottom
- Custom drilled and tapped conduit openings available on any of the four sides. (See Conduit Opening Data Chart, page E37, or consult factory.)
- Drilled and tapped holes are provided with close-up plugs for field assembly of drain and breather
- Handle mechanism interlocks with disconnect switch to prevent opening of enclosure when in the "ON" position
- Aluminum hinges are supplied as standard on left side of all 200 AMP assemblies

XEDS DISCONNECT SWITCHES

CATALOG NUMBER				SWITCH RATING
ENCLOSURE WITH SWITCH	ENCLOSURE WITH SWITCH AND AUXILIARY CONTACTS	ENCLOSURE WITH SWITCH AND TWO AUXILIARY CONTACTS	ENCLOSURE ONLY (WITHOUT SWITCH OR AUXILIARY CONTACTS)	
XEDS-30	XEDS-30A	XEDS-30AA	XEDS-A	30
XEDS-60	XEDS-60A	XEDS-60AA	XEDS-B	60
XEDS-100①	XEDS-100A①	XEDS-100AA①	XEDS-B①	100
XDS-2003	XDS-2003A	XDS-2003AA	XDS000C	200

MODIFICATIONS

SUFFIX NUMBER	DESCRIPTION
SU3	Drain and breather
SU17	100 Amp solid neutral
SU18	225 Amp solid neutral
SU40	Lock "on" for handle
KIT-251	100 Amp ground lug
KIT-252	225 Amp ground lug

Auxiliary switch kits are available for separate control circuit applications. Each auxiliary switch has one normally open and one normally closed contact. Each switch includes three soldered, identified leads. Rated 15 amps at 250 volts maximum.
① Due to wire gutter space, this unit must be wired with incoming (line) connection through the top hub and outgoing (load) connection to the bottom hub.

DE

XEDS ELECTRICAL RATINGS

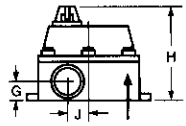
SWITCH AMPERES	MAXIMUM HORSEPOWER–THREE PHASE–3-POLE				
	120 VAC	240 VAC	480 VAC	600 VAC	250 VDC
30	5	10	20	25	7-1/2
60	10	20	40	60	15
100	15	30	75	75	25
200	–	60	125	150	40

XEDS DIMENSIONS

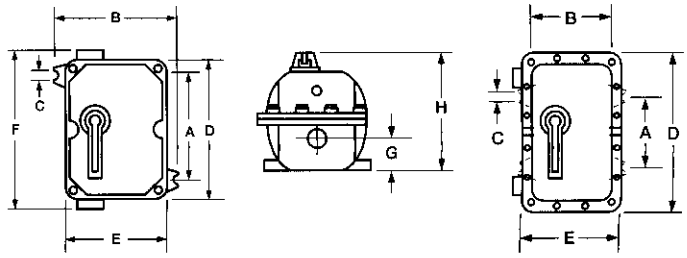
CATALOG NUMBER	HUB SIZE	A	B	C	D	E	F	G	H	J
XEDS-A	1-1/4"	8-3/8" (213)	8-3/4" (222)	7/16" (11)	10-1/4" (260)	7-3/8" (187)	11-7/8" (302)	1-3/8" (35)	6-7/8" (175)	2" (51)
XEDS-B	2"	10-7/8" (276)	9-1/8" (232)	7/16" (11)	13-7/8" (352)	7-3/4" (197)	16" (406)	1-3/4" (44)	7" (178)	2" (51)
XDS000C	3"	14-1/2" (368)	13-7/8" (352)	1/2" (13)	22" (559)	15" (381)	—	3-1/8" (79)	12-7/8" (327)	—

NOTE: A & B dimensions are for mounting.

Dimensions



NOTE: Space for additional drill & tap conduit opening
1-1/4" for XEDS-30
2" for XEDS-60+100
Also is location for SU3 drain and breather when requested.



XEDS XDS-2003

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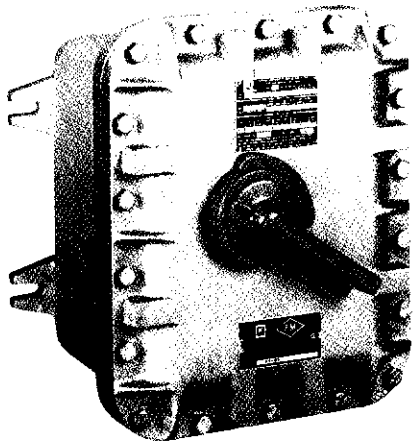

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

FM APPROVED Files 23689 or 25217
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Hazardous areas due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants, storage areas and other processing facilities where hazardous substances are handled or stored
- Use as motor circuit disconnect and provide short circuit protection of lighting and power circuits

Features

- Rectangular bolted cover design provide for attractive, compact, uniform installation
- Enclosure and external handle is cast copper-free aluminum alloy (less than 4/10 of 1%)
- Interior handle mechanism and hardware are dichromate over cadmium finish sheet steel for maximum strength and corrosive resistance
- Cover bolts are stainless steel
- Two drilled and tapped conduit openings one top and one bottom standard on all assemblies
- Custom drilled and tapped conduit openings available on any of the four sides. (See Conduit Opening Data Chart on page E37).
- External handle is vault type with standard provisions for locking in the "OFF" position with up to three padlocks
- Cutler-Hammer Visi-Flex Model A, Deion switches are used in all 30, 60 and 100 Ampere assemblies
- Cutler-Hammer Type DS switch is used in the 200 Ampere assembly

XFS DISCONNECT SWITCHES-FUSIBLE

CATALOG NUMBER	SWITCH RATING AMP	FUSE KIT RATING		
		AMP	VOLT	TYPE
25XFS-30-30N3	30	30	250	NEC.
25XFS-60-30N3	30	60	250	NEC.
25XFS-100-30N3	30	100	250	NEC.
60XFS-30-30J3	30	30	600	CLASS J
60XFS-30-30N3	30	30	600	NEC.
60XFS-60-30J3	30	60	600	CLASS J
60XFS-60-30N3	30	60	600	NEC.
25XFS-30-60N3	60	30	250	NEC.
25XFS-60-60N3	60	60	250	NEC.
25XFS-100-60N3	60	100	250	NEC.
60XFS-30-60J3	60	30	600	CLASS J
60XFS-30-60N3	60	30	600	NEC.
60XFS-60-60J3	60	60	600	CLASS J
60XFS-60-60N3	60	60	600	NEC.
25XFS-60-100N3	100	60	250	NEC.
25XFS-100-100N3	100	100	250	NEC.
25XFS-200-100N3	100	200	250	NEC.
60XFS-60-100J3	100	60	600	CLASS J
60XFS-60-100N3	100	60	600	NEC.
60XFS-100-100J3	100	100	600	CLASS J
60XFS-100-100N3	100	100	600	NEC.
60XFS200-100J3	100	200	600	CLASS J
60XFS200-100N3	100	200	600	NEC.
25XFSW200-200N3	200	200	250	NEC.
60XFSW200-200N3	200	200	600	NEC.
25XFSW400-200N3	200	400	250	NEC.
60XFSW400-200N3	200	400	600	NEC.
60XFSW200-200J3	200	200	600	CLASS J

MODIFICATIONS

SUFFIX NUMBER	DESCRIPTION
SU2	Hinge installed (standard on 200A)
SU3	Drain and breather installed
SU40	Lock "ON"
KIT-251	100 Amp ground lug
KIT-252	225 Amp ground lug

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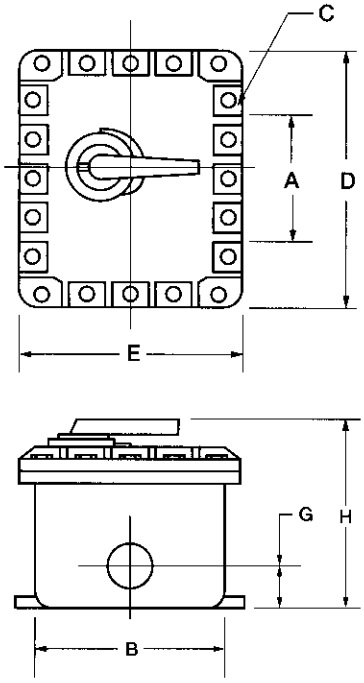
Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

FM APPROVED Files 23689 or 25217
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Dimensions



XFS ELECTRICAL RATINGS

SWITCH AMPERES	FUSE CLIP RATINGS	MAXIMUM HORSEPOWER-THREE PHASE-3 POLE				
		120 VAC	240 VAC	480 VAC	600 VAC	250 DC
30	30 A./250 V.	1-1/2	3	–	–	5
30	60 A./250 V.	3	5	–	–	5
30	100 A./250 V.	–	5	–	–	–
30	30 A./600 V.	–	–	5	7-1/2	5
30	60 A./600 V.	–	–	15	20	5
60	30 A./250 V.	1-1/2	3	–	–	5
60	60 A./250 V.	3	7-1/2	–	–	10
60	100 A./250V.	–	15	–	–	10
60	30 A./600 V.	–	–	5	7-1/2	5
60	60 A./600V.	–	–	15	15	–
60	100 A./600V.	–	–	25	30	–
100	60 A./250 V.	3	7-1/2	–	–	10
100	100 A./250 V.	15	15	–	–	20
100	200 A./250 V.	15	15	–	–	20
100	60 A./600 V.	–	–	15	15	–
100	100 A./600 V.	–	–	25	30	–
100	200 A./600 V.	–	–	25	30	–
200	200 A./250 V.	–	25	50	60	40
200	400 A./250 V.	–	25	50	60	40
200	200 A./600 V.	–	50	100	100	40
200	400 A./600 V.	–	50	100	100	40

XFS DIMENSIONS

SWITCH AMP RATING	FUSE KIT AMP RATING	A	B	C	D	E	G	H	CONDUIT SIZE
30/60	30,60,100	6"(152)	10"(254)	3/8"(10)	13"(330)	11"(279)	2"(51)	9"(229)	1-1/4"
100	60,100,200	6"(152)	11-13/16"(300)	3/8"(10)	15"(381)	13"(330)	2"(51)	9"(229)	2"
200	200	19-1/2"(495)	14"(356)	1/2"(13)	27"(686)	15"(381)	3-1/8"(79)	12-3/4"(324)	3"
200	400	27-1/2"(699)	18-1/4"(464)	5/8"(16)	35"(889)	19"(483)	3-1/8"(79)	13"(330)	3"

NOTE: A & B dimensions are for mounting.

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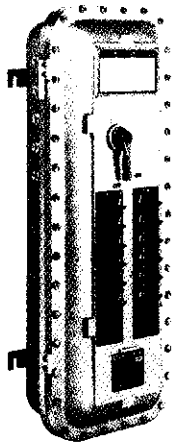
B7L/B7P SERIES • DISTRIBUTION EQUIPMENT CIRCUIT BREAKER PANELBOARDS



Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4x, 7(B,C,D) 9(E,F,G)

(UL) (UL) Classified — File E83969
See files for details or call Killark.

FEATURES-SPECIFICATIONS

PRISM®

Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dust or easily ignitable fibers and flyings, and areas subject to corrosion, weather and dampness
- Petroleum refineries, chemical and petrochemical plants with indoor and outdoor processes
- Applications requiring overcurrent and short circuit protection of lighting, appliances, heating and motor circuits

Features

- NEMA 4, 4x rated for protection from hose directed water and corrosion
- Standard electrical components: B7L-Cutler-Hammer Quicklag Breakers B7P-Cutler-Hammer Series C Breakers
- B7L main buss is tinplated aluminum. Copper available as option. B7P main buss is copper
- Main lugs. Mechanical solderless type, approved for CU or AL conductors
- Solid Neutral standard. Single phase 3 wire. Three phase 4 wire
- Main and branch breaker handles can be padlocked in "ON" or "OFF" position
- Top feed panel standard with bottom feed optional
- Hinged cover, installed as standard
- Quick release, captivated coverbolts of 316 stainless steel

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Standard Materials

- Enclosure: Copper-free aluminum (less than 4/10 of 1%)
- Main Breaker Handle: Copper-free aluminum
- Cover bolts: 316 grade stainless steel
- Flange Gasket "O" Ring: Buna-N Nitrile
- Branch Breaker Operators: Valox Thermoplastic Polyester handle molded onto 316 stainless steel shaft with neoprene "O" ring
- Hinges: Copper-free aluminum with stainless steel pin and hardware
- Mounting Lugs: 1/4" thick aluminum

Panel Selection Factors

Basic information required when specifying panelboards is as follows:

- Environment
- Service (Voltage/Frequency/Phase)
- Interrupting capacity
- AMP Rating of Main (Lugs only or Breaker)
- Branch Breaker (Type/Number of Poles/Amperage)

Ordering Information

Specifying and ordering a complete panelboard assembly requires the selection of three components. **(1) Basic Panel (2) Branch Breaker and (3) Options** (if required). This method of cataloging permits a wide variety and maximizes circuit flexibility in our panelboard offering. Components supplied in each of these selections include:

1) Basic Panelboard Enclosures (page DE13)

- Explosion-proof enclosure consisting of box and cover
- Cover predrilled and plugged for maximum number of branch breaker handles (handles not supplied)
- Box supplied with conduit openings
- Main circuit breaker and external handle (when specified)
- Panelboard internal chassis with buss bars but less branch circuit breakers

2) Branch Circuit Breakers (page DE15)

- Internal circuit breaker
- External handle mechanism with internal tripping mechanism
- Test pushbutton for GFI (when ordered)
- Lockout shield with on-off-trip-reset identification

3) Options - Accessories (page DE15)

Ordering Example

Specification is for a 3 phase 120/208 volt panel with 100 Amp main lugs complete with (4) single pole 20 Amp (2) double pole 20 Amp and (1) three pole 30 Amp branch breakers with a separate grounded neutral terminal.

Branch Breaker Total =

(4) 1 Pole = 4 Poles Total
(2) 2 Pole = 4 Poles Total
(1) 3 Pole = 3 Poles Total
Total 11 Branch Poles

Specification/Ordering Example

B7L20 - 312 - ML100 (Basic panelboard enclosure) with:

(4) B7BLA1020 (1 Pole 20 Amp Branch)
(2) B7BLA2020 (2 Pole 20 Amp Branch)
(1) B7BLB3030 (3 Pole 30 Amp Branch)
(1) B7GNT24 (Separate Grounded Neutral Terminal)

Catalog Logic

See page DE16 for panelboard catalog number logic for basic enclosures.

Cutler-Hammer Type BA Circuit Breaker 1 - 2 or 3 Pole.
Catalog numbers on this page are for the basic panelboard enclosure only with a panel interior chassis containing main lugs or main breaker as illustrated. **Internal branch breakers and external handles are NOT included in the basic enclosure catalog number and must be ordered as separate items.**

Branch Circuit Loads
The interior panel chassis supplied in B7L panel is limited to a maximum of 140 amperes at any one connection point. Breakers of 50 thru 100 amps must be installed opposite breakers of smaller amperage so as not to exceed the 140 ampere limitation.

CIRCUIT BREAKER RATINGS

TYPE	NO. OF POLES	VOLT	AMPERES SYMMETRICAL
BAB*	1	120	10,000 AIC
BAB*	2	120/240	10,000 AIC
BAB*	3	240	10,000 AIC
BABSWN*	1	120/240	10,000 AIC
BABSWN*	2	120/240	10,000 AIC
QGBF	1	120	10,000 AIC
QGBF	2	120/240	10,000 AIC
QGBFEP	1	120	10,000 AIC
QGBFEP	2	120/240	10,000 AIC

**Type BAB also rated for 80V DC at 5,000 AIC.*

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4x, 7(B,C,D) 9(E,F,G)

(UL) (UL) Classified — File E83969
See files for details or call Killark.

B7L PANEL WITHOUT MAIN BREAKER (MAIN LUGS ONLY) LESS BRANCH BREAKERS

ELECTRICAL RATING	MAIN LUG RATING	NUMBER OF BRANCH POLES	CATALOG NUMBER BASIC ENCLOSURE AND CHASSIS	ENCLOSURE BOX SIZE	MAIN WIRE RANGE
Single phase 3 wire with solid neutral 120/240 VAC	100	12	**B7L20 - 112 - ML100**	A	E
	100	18	**B7L29 - 118 - ML100**	B	G
	225	18	**B7L29 - 118 - ML225**	B	F
	100	24	**B7L29 - 124 - ML100**	B	G
	225	24	**B7L41 - 124 - ML225**	C	F
	100	30	**B7L41 - 130 - ML100**	C	G
	225	30	**B7L41 - 130 - ML225**	C	F
	225	36	**B7L41 - 136 - ML225**	C	F
	225	42	**B7L41 - 142 - ML225**	C	F
Three phase 4 wire with solid neutral 120/208 VAC	100	12	**B7L20 - 312 - ML100**	A	E
	100	18	**B7L29 - 318 - ML100**	B	G
	225	18	**B7L29 - 318 - ML225**	B	F
	100	24	**B7L29 - 324 - ML100**	B	G
	225	24	**B7L41 - 324 - ML225**	C	F
	100	30	**B7L41 - 330 - ML100**	C	G
	225	30	**B7L41 - 330 - ML225**	C	F
	225	36	**B7L41 - 336 - ML225**	C	F
	225	42	**B7L41 - 342 - ML225**	C	F

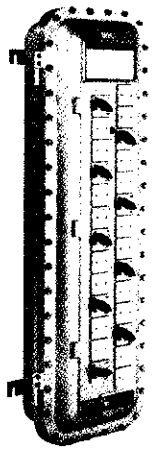
B7L PANEL WITH MAIN BREAKER LESS BRANCH BREAKERS

ELECTRICAL RATING	MAIN BREAKER FRAME	MAIN BREAKER AND RATING	NUMBER OF BRANCH POLES	CATALOG NUMBER BASIC ENCLOSURE AND CHASSIS	ENCLOSURE BOX SIZE	MAIN WIRE RANGE
Single phase 3 wire with solid neutral 120/240 VAC	EHD	100	12	**B7L29 - 112 - MBE100**	B	H
	EHD	100	18	**B7L41 - 118 - MBE100**	C	H
	EHD	100	24	**B7L41 - 124 - MBE100**	C	H
	ED	225	24	**B7L41 - 124 - MBC225**	C	I
	EHD	100	30	**B7L41 - 130 - MBE100**	C	H
	ED	225	30	**B7L41 - 130 - MBC225**	C	I
	ED	225	36	**B7L50 - 136 - MBC225**	D	I
	ED	225	42	**B7L50 - 142 - MBC225**	D	I
Three phase 4 wire with solid neutral 120/208 VAC	EHD	100	12	**B7L29 - 312 - MBE100**	B	H
	EHD	100	18	**B7L41 - 318 - MBE100**	C	H
	EHD	100	24	**B7L41 - 324 - MBE100**	C	H
	ED	225	24	**B7L41 - 324 - MBC225**	C	I
	EHD	100	30	**B7L41 - 330 - MBE100**	C	H
	ED	225	30	**B7L41 - 330 - MBC225**	C	I
	ED	225	36	**B7L50 - 336 - MBC225**	D	I
	ED	225	42	**B7L50 - 342 - MBC225**	D	I

B7L PANEL WITH BACK FEED MAIN BREAKER LESS BRANCH BREAKERS

ELECTRICAL RATING	MAIN BREAKER FRAME	MAIN BREAKER AND RATING	NUMBER OF BRANCH POLES	CATALOG NUMBER BASIC ENCLOSURE AND CHASSIS	ENCLOSURE BOX SIZE	MAIN WIRE RANGE
Single phase 3 wire with solid neutral 120/240 VAC	BAB	100	12	**B7L29 - 112 - MBB100**	B	J
	BAB	100	18	**B7L29 - 118 - MBB100**	B	J
	BAB	100	24	**B7L41 - 124 - MBB100**	C	J
	BAB	100	30	**B7L41 - 130 - MBB100**	C	J
Three phase 4 wire with solid neutral 120/208 VAC	BAB	100	12	**B7L29 - 312 - MBB100**	B	J
	BAB	100	18	**B7L29 - 318 - MBB100**	B	J
	BAB	100	24	**B7L41 - 324 - MBB100**	C	J
	BAB	100	30	**B7L41 - 330 - MBB100**	C	J

NOTE: Main breaker panel includes main breaker and its price in basic enclosure part number. Refer to page DE15 for branch breaker ordering information.



Cutler-Hammer Series "C" Circuit Breakers 1-2 or 3 pole.
Catalog numbers on this page are for the basic panelboard enclosure only with a panel interior chassis containing main lugs or main breaker as illustrated. **Internal branch breakers and external handles are NOT included in the basic enclosure catalog number and must be ordered as separate items.**

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4x, 7(B,C,D) 9(E,F,G)

UL, UL Classified — See file E83969
See files for details or call Killark.

FEATURES-SPECIFICATIONS

B7P CIRCUIT BREAKER RATINGS

TYPE	NUMBER OF POLES	MAXIMUM VOLTS		AMPERES SYMMETRICAL					
		AC	DC	240AC	277AC	480AC	600AC	125DC	250DC
EHD	1	277	125	—	14000	—	—	10000	—
EHD	2&3	480	250	18000	—	14000	—	—	10000
FDB	2&3	600	250	18000	—	14000	14000	—	10000

B7P PANEL WITHOUT MAIN BREAKER (MAIN LUGS ONLY) LESS BRANCH BREAKERS

ELECTRICAL RATING	MAIN LUG RATING	NUMBER OF BRANCH POLES	CATALOG NUMBER ENCLOSURE AND CHASSIS	ENCLOSURE BOX SIZE	MAIN WIRE RANGE
3 Phase 4 Wire with solid neutral up to 600 VAC	100	6	**B7P20 - 306 - ML100**	A	K
	100	12	**B7P29 - 312 - ML100**	B	K
	225	12	**B7P29 - 312 - ML225**	B	L
	225	18	**B7P41 - 318 - ML225**	C	L
	100	21	**B7P41 - 321 - ML100**	C	K
	225	27	**B7P50 - 327 - ML225**	D	M

B7P PANEL WITH MAIN BREAKER LESS BRANCH BREAKERS

ELECTRICAL RATING	MAIN BREAKER			NUMBER OF BRANCH POLES	CATALOG NUMBER ENCLOSURE AND CHASSIS	ENCLOSURE BOX SIZE	MAIN WIRE RANGE
	MAX. VOLTS	AMPS	FRAME				
3 Phase 4 Wire with Solid Neutral Up to 600 VAC	480	100	EHD	6	**B7P29 - 306 - MBE100**	B	K
	600	100	FDB	6	**B7P29 - 306 - MBF100**	B	K
	600	225	JDB	12	**B7P41 - 312 - MBJ225**	C	L
	480	100	EHD	15	**B7P41 - 315 - MBE100**	C	K
	600	100	FDB	15	**B7P41 - 315 - MBF100**	C	K
	600	225	JDB	18	**B7P50 - 318 - MBJ225**	D	L
	480	100	EHD	21	**B7P50 - 321 - MBE100**	D	N
	600	100	FDB	21	**B7P50 - 321 - MBF100**	D	N

PANEL WITH BACK FEED MAIN BREAKER LESS BRANCH BREAKERS

ELECTRICAL RATING	MAIN BREAKER			NUMBER OF BRANCH POLES	CATALOG NUMBER ENCLOSURE AND CHASSIS	ENCLOSURE BOX SIZE	MAIN WIRE RANGE
	MAX. VOLTS	AMPS	FRAME				
3 Phase 4 Wire with solid neutral up to 600 VAC	480	100	EHD	9	**B7P29 - 309 - MBE100**	B	K
	600	100	FDB	9	**B7P29 - 309 - MBF100**	B	K
	480	100	EHD	18	**B7P41 - 318 - MBE225**	C	K
	600	100	FDB	18	**B7P41 - 318 - MBF100**	C	K
	480	100	EHD	24	**B7P50 - 324 - MBE100**	D	K
	600	100	FDB	24	**B7P50 - 324 - MBE100**	D	K

NOTE: Main breaker panel includes main breaker and its price in basic enclosure part number. Refer to page DE15 for branch breaker ordering information. See page DE16 for enclosure dimensions.

BRANCH CIRCUIT BREAKERS

NUMBER OF POLES PER BREAKER	TRIP AMP RATING	B7L SERIES LIGHTING PANEL				B7P SERIES POWER PANEL	
		BAB FRAME STANDARD	BAB FRAME SWITCH NEUTRAL	QBGF GROUND FAULT 5MA	QBGEP EQUIPMENT PROTECTION 30MA	EHD FRAME 480 VAC MAX.	FDB FRAME 600 VAC MAX.
(1) Single Phase 120 Volt	SPACE	B7BLA1000	—	B7BLC1000	B7BLE1000	B7BPK1000	—
	15	B7BLA1015	—	B7BLC1015	B7BLE1015	B7BPK1015	—
	20	B7BLA1020	—	B7BLC1020	B7BLE1020	B7BPK1020	—
	30	B7BLA1030	—	B7BLC1030	B7BLE1030	B7BPK1030	—
	40	B7BLA1040	—	—	—	B7BPK1040	—
	50	B7BLA1050	—	—	—	B7BPK1050	—
	60	B7BLA1060	—	—	—	B7BPK1060	—
	70	B7BLA1070	—	—	—	B7BPK1070	—
	90	—	—	—	—	B7BPK1090	—
	100	B7BLA1100	—	—	—	B7BPK1100	—
(2) Double Pole 120/240 Volt	SPACE	B7BLA2000	B7BLF2000	B7BLC2000	B7BLE2000	B7BPK2000	B7BPL2000
	15	B7BLA2015	B7BLF2015	B7BLC2015	B7BLE2015	B7BPK2015	B7BPL2015
	20	B7BLA2020	B7BLF2020	B7BLC2020	B7BLE2020	B7BPK2020	B7BPL2020
	30	B7BLA2030	B7BLF2030	B7BLC2030	B7BLE2030	B7BPK2030	B7BPL2030
	40	B7BLA2040	—	B7BLC2040	B7BLE2040	B7BPK2040	B7BPL2040
	50	B7BLA2050	—	—	—	B7BPK2050	B7BPL2050
	60	B7BLA2060	—	—	—	B7BPK2060	B7BPL2060
	70	B7BLA2070	—	—	—	B7BPK2070	B7BPL2070
	90	B7BLA2090	—	—	—	B7BPK2090	B7BPL2090
	100	B7BLA2100	—	—	—	B7BPK2100	B7BPL2100
(3) Three Pole 120/240 Volt	SPACE	B7BLB3000	B7BLF3000	—	—	B7BPK3000	B7BPL3000
	15	B7BLB3015	B7BLF3015	—	—	B7BPK3015	B7BPL3015
	20	B7BLB3020	B7BLF3020	—	—	B7BPK3020	B7BPL3020
	30	B7BLB3030	B7BLF3030	—	—	B7BPK3030	B7BPL3030
	40	B7BLB3040	—	—	—	B7BPK3040	B7BPL3040
	50	B7BLB3050	—	—	—	B7BPK3050	B7BPL3050
	60	B7BLB3060	—	—	—	B7BPK3060	B7BPL3060
	70	B7BLB3070	—	—	—	B7BPK3070	B7BPL3070
	90	B7BLB3090	—	—	—	B7BPK3090	B7BPL3090
	100	B7BLB3100	—	—	—	B7BPK3100	B7BPL3100
	110	—	—	—	—	—	B7BPL3110
	125	—	—	—	—	—	B7BPL3125
	150	—	—	—	—	—	B7BPL3150

MODIFICATIONS

CATALOG NUMBER	DESCRIPTION
SU3	Drain and breather① NEMA 3, 7CD, 9 EFG
SU3B	Drain and breather① NEMA 3, 7BCD, 9EFG
KIT-251	Grounding kit, 100 AMP
KIT-252	Grounding kit, 225 AMP
B7SF	Special baked epoxy finish
B7CU	Copper buss and lugs for B7L series
B7EYEBOLT	Eye bolts for ease of installation②
B7ML225	Change 100 amp buss to 225 amp B7P series
B7ML400	Change 225 amp buss to 400 amp B7P series
B7GNT24	Separate grounded terminal bar (24ckt)
B7GNT42	Separate grounded terminal bar (48ckt)
B7MLBTM	Main lugs at bottom
B7SPNPT	Change standard conduit size and location
B7GSN	Kit to ground neutral bar

** To be ordered as separate item with notation on order for assembly into enclosure.*

① Installation of drain and breather will void the NEMA 4-4X Rating of panelboard. Drain and breather will be installed into a standard conduit opening provided in box.

② Lifting eyebolts are installed in two conduit openings located in top of box and are to be removed after installation.

Branch Breaker Notes:

1) B7L panels are factory drilled for maximum number of single pole branch breaker handles and B7P for maximum number of 3 pole branch breaker handles as standard.

2) Part numbers illustrated above include external handle, trip mechanism, locking tab and internal breaker. Refer to page DE12 for complete ordering information and examples.

3) Space = External handle, shaft and trip mechanism installed to allow for future installation of breaker.

4) Ground Fault & Equipment protection breakers include external pushbutton for each breaker to test ground fault sensing circuit and the mechanical operation of breaker.

5) Switch Neutral Breaker note. A two pole breaker has one pole for breaking from main buss and one pole that breaks neutral. Three pole breaker consists of two poles for breaking from main buss and one pole that breaks neutral.

HUBBELL®
KILLARK®

Catalog Logic- for basic Panelboard Enclosures

B7 L 20 - 1 - 12 ML 100

Constant For PRISM Series Enclosures

L - Lighting
P - Power

Nominal Inside Length of Box 20-29-41-50

1 - Single Phase
3 - Three Phase

Number Of Branch Poles

Mains Amp Rating
NOTE: Change if lower amperage main breaker is required, Example MBB60 for 60 AMP main.

Mains ML - Main Lugs Only

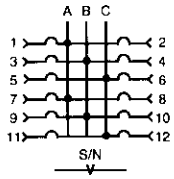
MBB	**Main Breaker**	**BAB**
MBC		**ED**
MBE		**EHD**
MBF		**FDB**
MBJ		**JD**

WIRE SIZES									
E	F	G	H	I	J	K	L	M	N
#12-#1	#6-250MCM	#12-1/0	#14-1/0	2/0-250MCM	#14-#1	#6-2/0	#6-4/0	#2-4/0	#2-2/0

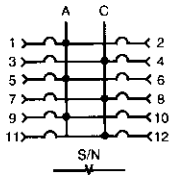
Wiring Diagrams B7L Series

(Note: B7P Series are single column)

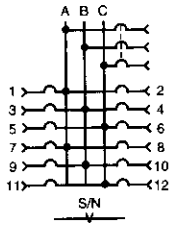
Main Lug Only
Three Phase 4-Wire
Solid Nuetral
120/208 VAC



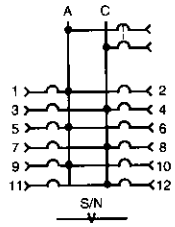
Main Lug Only
Single Phase 3-Wire
Solid Nuetral
120/240 VAC



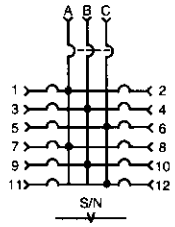
Back Feed
Main Breaker
Three Phase 4-Wire
Solid Neutral
120/208 VAC



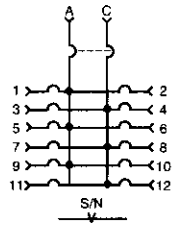
Back Feed
Main Breaker
Single Phase 3-Wire
Solid Neutral
120/240 VAC



Vertical
Main Breaker
Three Phase 4-Wire
Solid Neutral
120/208 VAC



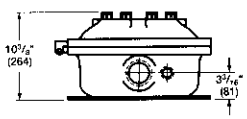
Vertical
Main Breaker
Single Phase 3-Wire
Solid Neutral
120/240 VAC

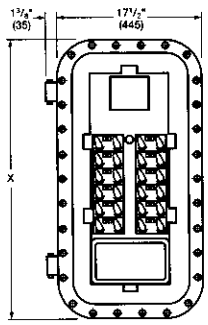


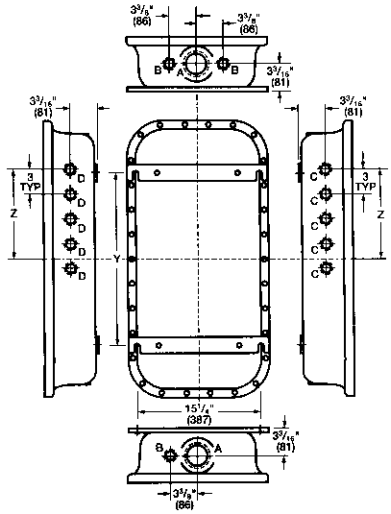
DIMENSIONS										
ENCLOSURE BOX SIZE		X	Y	CONDUIT SIZE		Z	CONDUIT QUANTITY			
LETTER	BASE BOX NUMBER①			A	B,C,D		A	B	C	D
A	MXB-13207	24-3/4"(629)	13"(330)	2"	1"	6-7/8"(175)	2	3	3	4
B	MXB-13297	33-3/8"(848)	21"(533)	2-1/2"	1"	10-7/8"(276)	2	3	4	5
C	MXB-13417	45-3/8"(1153)	33"(838)	3"	1"	16-7/8"(429)	2	3	5	6
D	MXB-13507	54-3/8"(1381)	42"(1067)	3"	1"	21-3/8"(543)	2	3	6	7

① *See pages DE13 and DE 14 for complete enclosure ordering information.*

Dimensions







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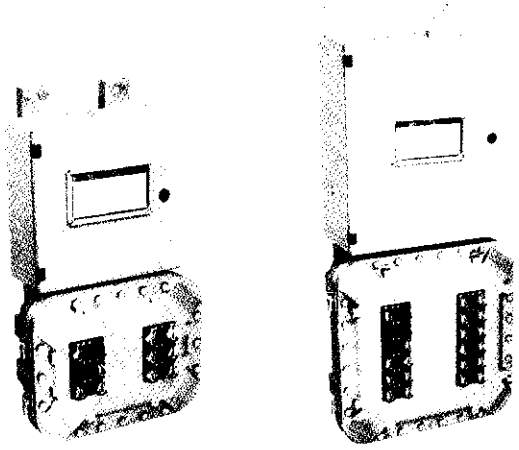


Class I, Div. 2, Groups B,C,D
Class I, Zone 2, Groups IIB+H_2, IIA
Class II, Div. 2, Groups F,G
Class III, Div. 1 & 2
NEMA, CSA Type 3, 4 (4X Optional)

Certification Pending

FEATURES-SPECIFICATIONS

Applications

- Hazardous areas due to the potential of explosive gas atmospheres, combustible dusts or easily ignited fibers or flyings and areas subjected to corrosive or harsh chemicals, weather or dampness
- Petroleum refineries, chemical or petrochemical facilities with indoor or outdoor processes
- Applications requiring overcurrent and short circuit protection of lighting, appliances heating or motor circuits

Features

- Factory Seal between breaker enclosure and termination box eliminates the need for external sealing
- Gasketed covers assure NEMA/CSA Type 4, 4X rated protection for hosedown and corrosion
- Standard Electrical Components: D2L–Cutler-Hammer QC Breakers D2CP–Cutler-Hammer GHC & GCH Breakers
- Main distribution block, branch terminal block and neutral are located in termination enclosure
- Main Lugs. Mechanical solderless type, approved for CU or AL conductors
- Solid neutral standard. Single phase, 3 wire or three phase 4 wire
- Main and branch circuit breaker handles can be padlocked in "on" or "off" position
- Top or bottom feed panels available
- Breaker chamber hinged cover with quick release – captivated bolts
- Termination enclosure has hinged cover with quick release latch for easy opening
- Termination enclosure supplied without conduit openings for easy field punching of incoming and outgoing entries
- Line and load side of breakers in breaker chamber are factory wired to terminal blocks in termination enclosure and sealed at the factory
- Breaker enclosure is drilled and plugged for maximum number of circuits to permit field addition of unused branch spaces

Panel Selection Factors

- Basic information required when specifying panelboards is as follows:
- Service Requirements – Voltage, phases and frequency
- Interrupting capacity
- Amperage Rating of Main (Lugs only or Breaker)
- Branch Breaker Requirements
  - Type
  - Number
  - Poles
  - Amperage
  - GFCI Requirements

Ordering Information

Specifying and ordering a complete panelboard assembly requires the selection of three components

1. Basic Panel
2. Branch Breakers
3. Modifications if Required

This method of cataloguing permits a wide variety and maximizes circuit flexibility in the Killark panelboard series.

DE

Standard Materials

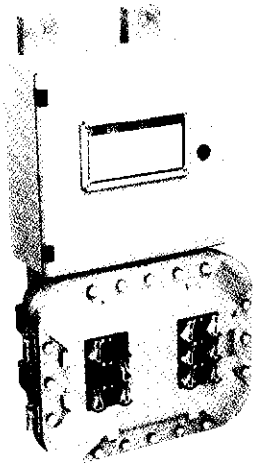
- Breaker Enclosure: Copper-free cast aluminum (less than 4/10 of 1%)
- Terminal enclosure: Steel powder coated. (Optional stainless steel or fiberglass for 4X ratings)
- Cover bolts: Type 316 stainless steel

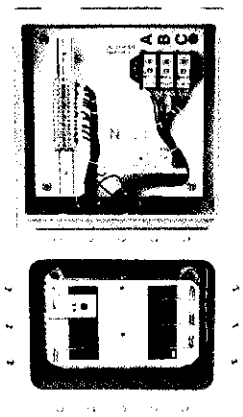
MODIFICATIONS	
SUFFIX NUMBER	**DESCRIPTION**
SU3	Drain and breather C&D①
SU3B	Drain and breather B,C,D ①②
D2SF	Powder paint on breaker box
D2MLBTM	Invert with terminal box located on bottom
D2STST	Substitute with stainless steel termination box
D2FG	Substitute with fiberglass termination box
D2GNT24	Separate grounded terminal bar (24ckt.)
D2GNT42	Separate grounded terminal bar (42ckt.)

① *Installation of drain breather will void the NEMA 4-4x rating of panelboard.*

② *Not CSA*

D2L SERIES • DISTRIBUTION EQUIPMENT
FACTORY SEALED LIGHTING PANELBOARDS





Class I, Div. 2, Groups B,C,D
Class I, Zone 2, Groups IIB+H_2, IIA
Class II, Div. 2, Groups F,G
Class III, Div. 1 & 2
NEMA, CSA Type 3, 4 (4X Optional)

Certification Pending

FEATURES-SPECIFICATIONS

Catalog Numbers on this page are for the basic Termination Enclosure with distribution, neutral and terminal blocks plus a Breaker Enclosure with internal pan. Enclosures are connected together with factory poured sealing chambers and mounted on aluminum frame for wall mounting.

External breaker handles and internal branch breakers are not included and must be ordered as separate items for factory installation. (See page DE20)

D2L CIRCUIT BREAKER RATINGS
CUTLER-HAMMER TYPE QC CIRCUIT BREAKERS

TYPE	POLES	VOLTS	AMPERES SYMMETRICAL
QC	1	120	10,000 AIC
	2	120/240	
	3	240	
QCSWN	1	120/240	10,000 AIC
	2	120/240	
QCFG	1	120	10,000 AIC
	2	120/240	
QCGFEP	1	120	10,000 AIC
	2	120/240	

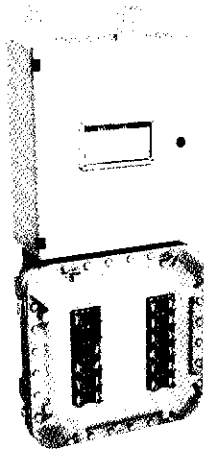
D2L PANELBOARDS WITHOUT MAIN BREAKER (MAIN LUGS ONLY) LESS BRANCH BREAKERS

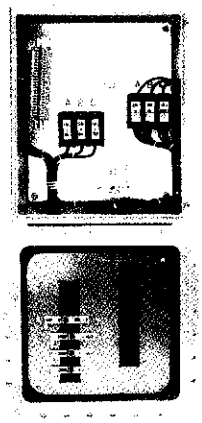
ELECTRICAL RATING	NUMBER OF BRANCH POLES	MAIN LUG RATING AMPS	CATALOG NUMBER BASIC ENCLOSURES	MAIN WIRE RANGE	PANEL SIZE
Single Phase	12	100	**D2L-112-ML100**	M	A
3 Wire with	24	225	**D2L-124-ML225**	N	B
Solid Neutral	36	225	**D2L-136-ML225**	N	C
120/240 VAC	42	225	**D2L-142-ML225**	P	D
Three Phase	12	100	**D2L-312-ML100**	M	A
4 Wire with	24	225	**D2L-324-ML225**	N	B
Solid Neutral	36	225	**D2L-336-ML225**	N	C
120/208 VAC	42	225	**D2L-342-ML225**	P	D

D2L PANELBOARDS WITH MAIN BREAKER LESS BRANCH BREAKERS

ELECTRICAL RATING	NUMBER OF BRANCH POLES	MAIN BREAKER		CATALOG NUMBER BASIC ENCLOSURES	MAIN WIRE RANGE	PANEL SIZE
		AMPS	FRAME			
Single Phase	10	100	QC	**D2L-110-MBQ100**	M	A
3 Wire with	22	100	QC	**D2L-122-MBQ100**	N	B
Solid Neutral	34	100	QC	**D2L-134-MBQ100**	N	C
120/240 VAC	42	225	ED	**D2L-142-MBED225**	N	D
Three Phase	9	100	QC	**D2L-309-MBQ100**	M	A
4 Wire with	21	100	QC	**D2L-321-MBQ100**	N	B
Solid Neutral	33	100	QC	**D2L-333-MBQ100**	N	C
120/208 VAC	42	225	ED	**D2L-342-MBED225**	N	D

NOTE: To substitute a lower amperage main breaker change last three digits of catalog number to desired amperage.
Example: For a 50 amp main breaker part number = D2L-309-MBQ050
See page DE20 for Branch Breaker Selection
See page DE21 for Dimensions, Wire Range Chart and Wiring Diagrams.
Panels are constructed with Terminal Box on Top for Top Feed.
*If Bottom Feed is required order modification **B2MLBTM** for inverted panel with Terminal Box on Bottom.*





Class I, Div. 2, Groups B,C,D
Class I, Zone 2, Groups IIB+H_2, IIA
Class II, Div. 2, Groups F,G
Class III, Div. 1 & 2
NEMA, CSA Type 3, 4 (4X Optional)

Certification Pending

FEATURES-SPECIFICATIONS

Catalog Numbers on this page are for the basic Termination Enclosure with distribution, neutral and terminal blocks plus a Breaker Enclosure with internal pan. Enclosures are connected together with factory poured sealing chambers and mounted on aluminum frame for wall mounting.

External breaker handles and internal branch breakers are not included and must be ordered as separate items for factory installation. (See page DE20)

CUTLER-HAMMER CIRCUIT BREAKER RATINGS FOR D2PC PANEL

TYPE	NUMBER OF POLES	MAXIMUM VOLTS		AMPERES SYMMETRICAL					
		AC	DC	277 VAC	347 VAC	277/480 VAC	347/600 VAC	125 VDC	250 VDC
GHC	1	277	125	14,000		—	—	14,000	—
	2 & 3	277/480Y	250	14,000		14,000	—	—	14,000
GCH	1	347	125	—	10,000	—	—	14,000	—
	2 & 3	347/600Y	250	—	—	—	10,000	—	14,000

NOTE: GCH Breakers are CSA only.

PANELBOARDS WITHOUT MAIN BREAKER (MAIN LUGS ONLY) LESS BRANCH BREAKERS

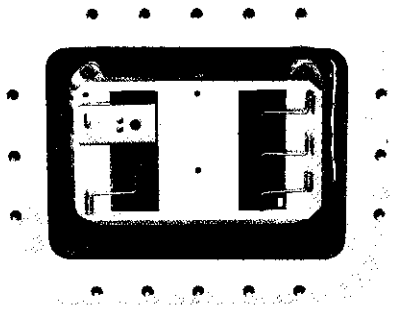
ELECTRICAL RATING	NUMBER OF BRANCH POLES	MAIN LUG RATING AMPS	CATALOG NUMBER BASIC ENCLOSURES	MAIN WIRE RANGE	PANEL SIZE
Three Phase 4 Wire with Solid Neutral up to 480Y/277 VAC 600Y/347 VAC	12	100	**D2PC-312-ML100**	M	E
	24	225	**D2PC-324-ML225**	N	F
	36	225	**D2PC-336-ML225**	N	G
	42	225	**D2PC-342-ML225**	P	H

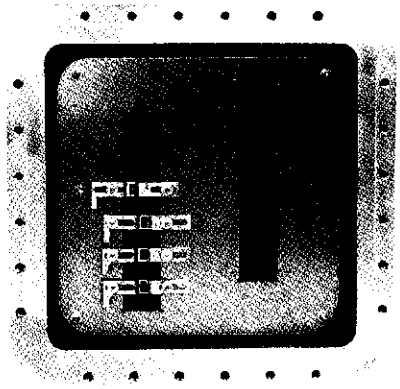
PANELBOARDS WITH MAIN BREAKER LESS BRANCH BREAKERS

ELECTRICAL RATING	NUMBER OF BRANCH POLES	MAIN BREAKER			CATALOG NUMBER BASIC ENCLOSURES	MAIN WIRE RANGE	PANEL SIZE
		MAX VOLTS	AMPS	FRAME			
Three Phase 4 Wire with Solid Neutral 480Y/277 VAC 600Y/347 VAC	9	480Y/277	100	GHC	**D2PC-309-MBGH100**	M	E
	9	600Y/347	100	GCH	**D2PC-309-MBGC100**	M	E
	21	480Y/277	100	GHC	**D2PC-321-MBGH100**	N	F
	21	600Y/347	100	GCH	**D2PC-321-MBGC100**	N	F
	33	480Y/277	100	GHC	**D2PC-333-MBGH100**	N	G
	33	600Y/347	100	GCH	**D2PC-333-MBGC100**	N	G
	42	600	250	JDB	**D2PC-342-MBJ250**	N	H

Note special wiring conditions: *GHC 480Y/277 circuit breakers are not suitable for 3 phase Delta (480)*
GCH 600Y/347 circuit breakers are not suitable for 3 phase Delta (600)
GCH Rating is for CSA only not UL.

NOTE: To substitute a lower amperage main breaker change last three digits of catalog number to desired amperage.
Example: For a 50 amp main breaker part number = D2PC-309-MBGH050
See page DE20 for Branch Breaker Selection
See page DE21 for Dimensions, Wire Range Chart and Wiring Diagrams.
Panels are constructed with Terminal Box on Top for Top Feed.
If Bottom Feed is required order modification ***B2MLBTM*** *for inverted panel with Terminal Box on Bottom.*





Class I, Div. 2, Groups B,C,D
Class I, Zone 2, Groups IIB+H_2, IIA
Class II, Div. 2, Groups F,G
Class III, Div. 1 & 2
NEMA, CSA Type 3, 4 (4X Optional)

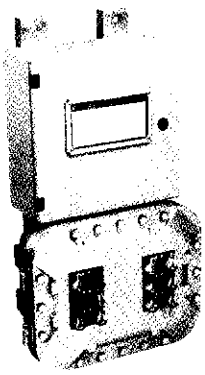
Certification Pending

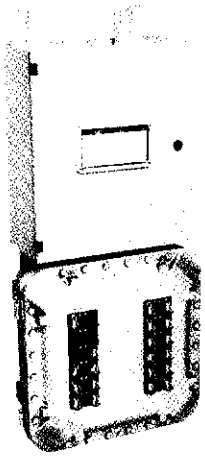
FEATURES-SPECIFICATIONS

BRANCH CIRCUIT BREAKER SELECTION FOR D2L & D2PC FACTORY SEALED PANELBOARDS

NUMBER OF POLES PER BREAKER	TRIP AMP RATING	CATALOG NUMBER					
		D2L SERIES LIGHTING PANEL				D2PC SERIES POWER PANEL	
		QC FRAME STANDARD	QC FRAME SWITCHED NEUTRAL	QCFG GROUND FAULT 5 MA	QCGFEP EQUIPMENT PROTECTION 30 MA	GHC FRAME 277/480Y VAC MAX	GCH FRAME 347/600Y VAC MAX
(1) Single Pole	Space	D2BLA1000	—	D2BLC1000	D2BLE1000	D2BGHC1000	D2BGCH1000
	15	D2BLA1015	—	D2BLC1015	D2BLE1015	D2BGHC1015	D2BGCH1015
	20	D2BLA1020	—	D2BLC1020	D2BLE1020	D2BGHC1020	D2BGCH1020
	30	D2BLA1030	—	D2BLC1030	D2BLE1030	D2BGHC1030	D2BGCH1030
	40	D2BLA1040	—	D2BLC1040	D2BLE1040	D2BGHC1040	D2BGCH1040
	50	D2BLA1050	—	—	D2BLE1050	D2BGHC1050	D2BGCH1050
	60	D2BLA1060	—	—	—	D2BGHC1060	D2BGCH1060
	70	D2BLA1070	—	—	—	D2BGHC1070	D2BGCH1070
	90	D2BLA1090	—	—	—	D2BGHC1090	D2BGCH1090
	100	D2BLA1100	—	—	—	D2BGHC1100	D2BGCH1100
(2) Double Pole	Space	D2BLA2000	D2BLF2000	D2BLC2000	D2BLE2000	D2BGHC2000	D2BGCH2000
	15	D2BLA2015	D2BLF2015	D2BLC2015	D2BLE2015	D2BGHC2015	D2BGCH2015
	20	D2BLA2020	D2BLF2020	D2BLC2020	D2BLE2020	D2BGHC2020	D2BGCH2020
	30	D2BLA2030	D2BLF2030	D2BLC2030	D2BLE2030	D2BGHC2030	D2BGCH2030
	40	D2BLA2040	—	D2BLC2040	D2BLE2040	D2BGHC2040	D2BGCH2040
	50	D2BLA2050	—	D2BLC2050	D2BLE2050	D2BGHC2050	D2BGCH2050
	60	D2BLA2060	—	—	—	D2BGHC2060	D2BGCH2060
	70	D2BLA2070	—	—	—	D2BGHC2070	D2BGCH2070
	90	D2BLA2090	—	—	—	D2BGHC2090	D2BGCH2080
	100	D2BLA2100	—	—	—	D2BGHC2100	D2BGCH2100
(3) Three Pole	Space	D2BLA3000	D2BLF3000	—	—	D2BGHC3000	D2BGCH3000
	15	D2BLA3015	D2BLF3015	—	—	D2BGHC3015	D2BGCH3015
	20	D2BLA3020	D2BLF3020	—	—	D2BGHC3020	D2BGCH3020
	30	D2BLA3030	D2BLF3030	—	—	D2BGHC3030	D2BGCH3030
	40	D2BLA3040	—	—	—	D2BGHC3040	D2BGCH3040
	50	D2BLA3050	—	—	—	D2BGHC3050	D2BGCH3050
	60	D2BLA3060	—	—	—	D2BGHC3060	D2BGCH3060
	70	D2BLA3070	—	—	—	D2BGHC3070	D2BGCH3070
	90	D2BLA3090	—	—	—	D2BGHC3090	D2BGCH3090
	100	D2BLA3100	—	—	—	D2BGHC3100	D2BGCH3100

NOTES: 1) Above part numbers include external handle, trip mechanism, locking tab and internal branch circuit breaker.
2) Refer to page DE17 for complete ordering information and examples.
3) Refer to pages DE18 and DE19 for maximum voltage and ratings of circuit breakers.
4) Space = External handle, trip mechanism installed to allow for future installations of breakers.
5) Ground Fault and Equipment protection breakers include external button for test purpose.





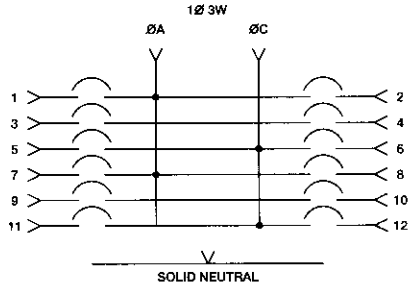
Class I, Div. 2, Groups B,C,D
Class I, Zone 2, Groups IIB+H_2, IIA
Class II, Div. 2, Groups F,G
Class III, Div. 1 & 2
NEMA, CSA Type 3, 4 (4X Optional)

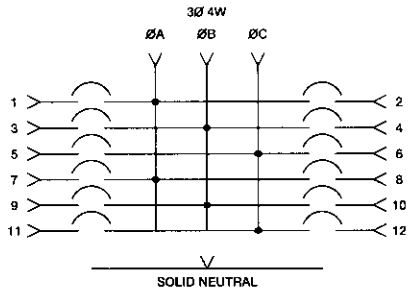
Certification Pending

FEATURES-SPECIFICATIONS

WIRE RANGE CHART	
REFERENCE LETTER	MAIN WIRE RANGE
M	2/0-#14AWG
N	350MCM-#6AWG
P	400MCM-#6AWG

Standard Panelboard Wiring Diagram

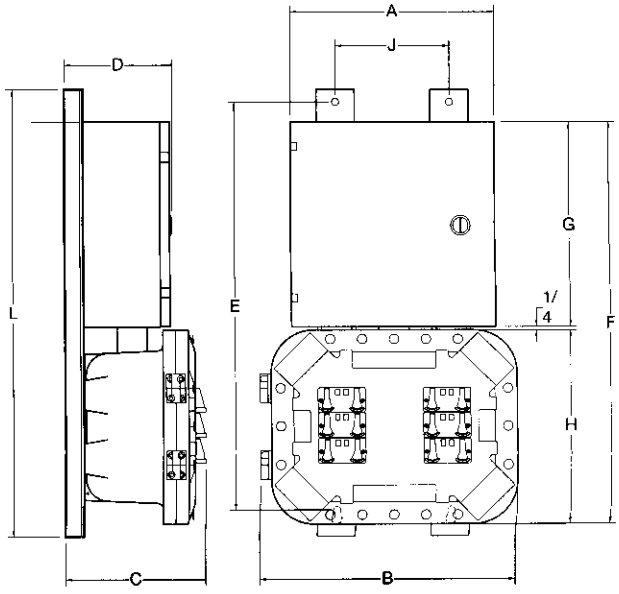




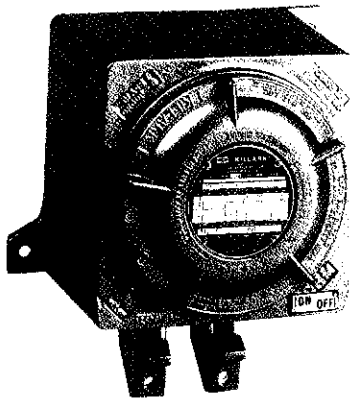
DE

DIMENSIONS FOR PANELS WITH STANDARD STEEL PAINTED TERMINAL ENCLOSURES											
PANEL SIZE	MAXIMUM CIRCUITS	A	B	C	D	E	F	G	H	J	L
A	12	16"	20-1/8"	11"	8-7/16"	31-3/8"	31-1/2"	16"	15-1/4"	8-15/16"	35"
B	24	20"	21-1/4"	11-7/32"	10-7/16"	44-1/2"	44-5/8"	24"	20-3/8"	10-15/16"	47-9/16"
C	36	20"	22-1/8"	14-1/16"	10-7/16"	53-3/8"	53-1/2"	24"	29-1/4"	11-3/8"	56-7/16"
D	42	24"	23-3/16"	14-3/8"	10-7/16"	64-1/2"	64-5/8"	24"	40-3/8"	13-1/4"	67-11/16"
E	12	16"	23-1/4"	11-21/32"	8-7/16"	32-1/2"	32-5/8"	16"	16-3/8"	6-15/16"	35-9/16"
F	24	20"	24-1/8"	12-1/16"	10-7/16"	47-3/8"	47-1/2"	24"	23-1/4"	13-3/8"	50-7/16"
G	36	20"	23-3/16"	13-25/32"	10-7/16"	52-1/2"	52-5/8"	24"	28-3/8"	13"	55-9/16"
H	42	24"	23-3/16"	14-3/8"	10-7/16"	64-1/2"	64-5/8"	24"	40-3/8"	13-1/4"	67-11/16"

DIMENSION CHANGE FOR PANELS WITH ALTERNATE TERMINAL ENCLOSURES				
PANEL SIZE	D2 STAINLESS STEEL OPTION		D2 FIBERGLASS OPTION	
	A	G	A	G
A	20	16	24	14
B	20	24	24	24
C	20	24	24	24
D	24	24	24	24
E	20	16	24	14
F	20	24	24	24
G	20	24	24	24
H	24	24	24	24



HUBBELL
KILLARK



Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3R, 7(B,C,D) 9(E,F,G)

UL, UL Listed - File E83969
See files for details or call Killark.

Applications

- Indoor or outdoor hazardous areas where flammable gases or vapors, combustible dusts, or easily ignitable fibers or flyings may be present
- Provides overcurrent and short circuit protection of branch lighting, heating and appliance circuits

Features

- Compact rectangular enclosure with threaded cover allows easy access
- GCBB/2GCBB provided with two 3/4"-14 NPT drilled and tapped conduit openings, one top and one bottom
- 3GCBB provided with three 3/4" - 14 NPT drilled and tapped conduit openings, one top and two bottom
- 4GCBB provided with four 3/4"-14 NPT drilled and tapped conduit openings, two top and two bottom
- Cutler-Hammer Type QC Quicklag Circuit Breakers (These Assemblies include the Breakers as indicated)
- Push pull handle mechanism operates circuit breakers
- Handle mechanism supplied as standard with "Lockout" in off position
- Enclosures are made from copper-free cast aluminum alloy (less than 4/10 of 1%)
- Special combinations of breaker amperage are available, consult factory for details

FEATURES-SPECIFICATIONS

GCBB 15/40A TRIP QUICKLAG

CATALOG NUMBER				TRIP AMPS
ONE 1-POLE 120 VOLTS AC	ONE 2-POLE 120/240 VOLTS AC	ONE 3-POLE 240 VOLTS AC	TWO 1-POLE 120/240 VOLTS AC	
GCBB-15Q1	GCBB-15Q2	GCBB-15Q3	2GCBB-15Q1	15
GCBB-20Q1	GCBB-20Q2	GCBB-20Q3	2GCBB-20Q1	20
GCBB-30Q1	GCBB-30Q2	GCBB-30Q3	2GCBB-30Q1	30
GCBB-40Q1	GCBB-40Q2	GCBB-40Q3	2GCBB-40Q1	40
GCBB-1Q	GCBB-1Q	GCBB-1Q	2GCBB-1Q	Enclosure only

GCBB 15/40A TRIP QUICKLAG

CATALOG NUMBER				TRIP AMPS
THREE 1-POLE 120 VOLTS AC	FOUR 1-POLE① 120 VOLTS AC	TWO 2-POLE 120/240 VOLTS AC	ONE 1-POLE① ONE 3-POLE 120/240 VOLTS AC	
3GCBB-15Q1	4GCBB-15Q1	2GCBB-15Q2	2GCBB-15Q13	15
3GCBB-20Q1	4GCBB-20Q1	2GCBB-20Q2	2GCBB-20Q13	20
3GCBB-30Q1	4GCBB-30Q1	2GCBB-30Q2	2GCBB-30Q13	30
3GCBB-40Q1	4GCBB-40Q1	2GCBB-40Q2	2GCBB-40Q13	40
3GCBB-1Q	4GCBB-1Q	2GCBB-2Q	2GCBB-13Q	Enclosure only

① *SU17 100 Amp Solid Neutral will not fit in this assembly.*

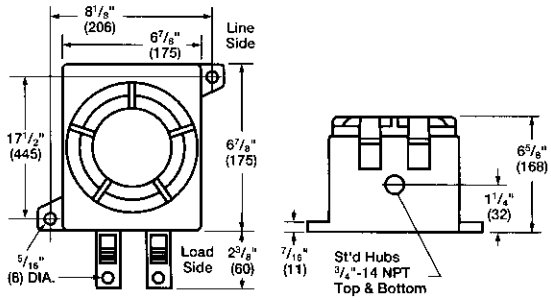
MODIFICATIONS

SUFFIX NUMBER	DESCRIPTION
SU3	Drain and breather
KIT-251	150 amp ground lug
KIT-252	250 amp ground lug
SU17	Solid neutral

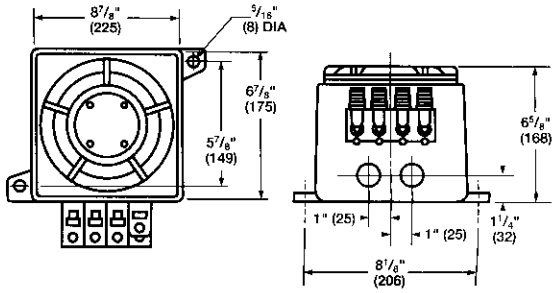
INTERRUPTING RATINGS

FRAME SIZE	VOLTAGE	AMPS ASYMMETRICAL	AMPS SYMMETRICAL
QC	120/240 VAC	10,000	10,000
QC	240 VAC	10,000	10,000

Dimensions



GCBB/2GCBB



3GCBB/4GCBB

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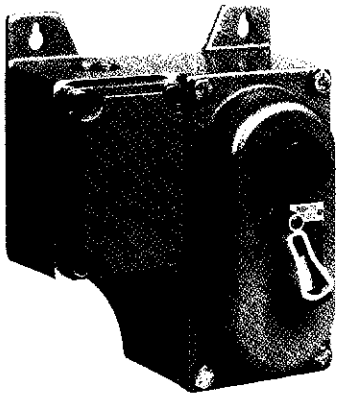


Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 7(B,C,D) 9(E,F,G)

Listed - File E83969

Certified - File LR061895-2

FEATURES-SPECIFICATIONS

Applications

GFCS Series of Ground Fault Control Stations are used for the additional safety of personnel, and for equipment protection in remote areas.

Features

- Factory Sealed Ground Fault Chamber. (Assemblies in Group B areas must be sealed within 6" of enclosure. Other area classifications do not require the use of seals)
- 1" NPT top and bottom conduit openings
- External Push-to-Test Button and Pilot Light for monitoring
- On-Off-Trip-Reset External Handle can be locked in On-Off positions
- 5ma Ground Fault Circuit Breaker for People Protection. 30ma Ground Fault circuit Breaker for Equipment Protection and heat tracing circuits
- Electrical Rating-120 VAC (single pole) 120/240 VAC (two pole) (10,000 AIC)

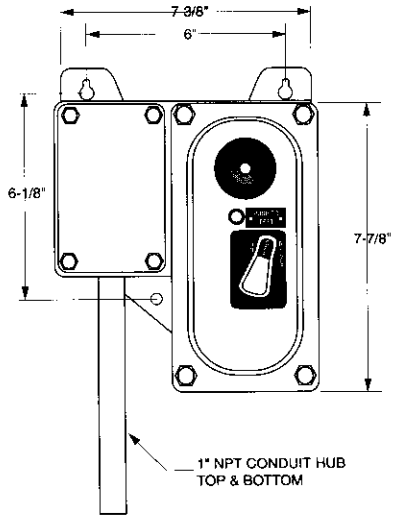
Material/Finish

- Enclosure: Copper-free cast aluminum (less than 4/10 of 1%)
- External Hardware: Stainless Steel
- Standard Finish: Electrostatically applied gray powder epoxy polyester finish

GFSC GROUND FAULT CONTROL STATION			
CATALOG NUMBER	NUMBER OF POLES	MILLIAMP TRIP	BREAKER AMPERAGE
GFCS05151	1	5	15
GFCS05201	1	5	20
GFCS05301	1	5	30
GFCS30151	1	30	15
GFCS30201	1	30	20
GFCS30301	1	30	30
GFCS05152	2	5	15
GFCS05202	2	5	20
GFCS05302	2	5	30
GFCS30152	2	30	15
GFCS30202	2	30	20
GFCS30302	2	30	30

DE

Dimensions



HUBBELL
KILLARK

Section PR

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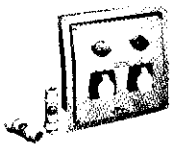

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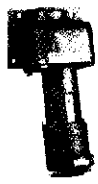

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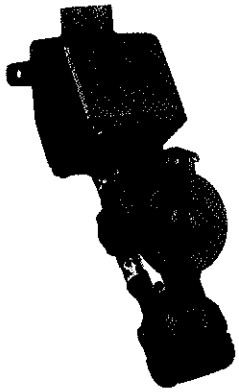
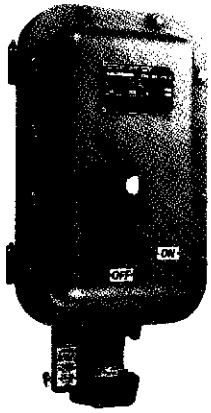
VERSAMATE® SERIES • PLUGS AND RECEPTACLES
NEMA 4X METALLIC



VR/VP

VSQ



VBQ

600 VAC/250VDC; 50-400 Hertz
NEMA 3, 4, 4X, 12
Class I, Div. 1 & 2, Groups B,C,D;
NEMA 7 B,C,D②
Class I, Zones 1 & 2, IIB+H_2, IIA②
Class II, Div. 1 & 2, Groups F & G;
NEMA 9 F,G②
Class III②

FEATURES-SPECIFICATIONS

NEMA 4X VersaMATE®

THE FIRST AND ONLY NEMA 4X RATED LINE OF METALLIC PLUGS & RECEPTACLES.

VersaMate® metallic pin & sleeve plugs & receptacles are designed for heavy duty industrial use. These devices supply power to both fixed and portable electrical equipment including pumps, generators, welders, vacuums, blowers and similar apparatus.

Suitable for indoor or outdoor use. Applications include the wet, cold, hosedown, hazardous or corrosive areas in such industrial applications as:

- Pulp & Paper Mills
- Electrical Power Plants
- Petrochemical Plants
- Wastewater Treatment
- Marine, Docks, Ports
- Construction Sites
- Breweries
- Refineries
- Chemical Plants
- Grain Facilities
- Textile Manufacturing
- Food Processing Facilities

Standard Materials:
Copper-free aluminum construction with electrostatically applied epoxy/polyester finish. Contacts are brass with a patented beryllium copper spring tensioner.

Features:
The VersaMate product line includes 30, 60, 100 and 200 Amp plugs, receptacles and connectors with a full range of back boxes. Popular options include reverse service and polarization. The VersaMate line is ***FULLY INTERCHANGEABLE***① with UL1686 configured and listed devices such as Crouse-Hinds® Arktite® or Appleton® Powertite®. Standard location receptacle bolt hole patterns match competitive back boxes so users can upgrade to VersaMate without changing back boxes in instances where changing the conduit system is difficult.

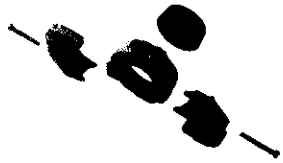
①VersaMate® components are UL classified and intermateable with other UL 1686-C1 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.
② See product pages for specific ratings.

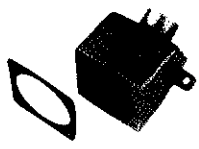
Plugs:

Octagonal style (Patent Pending) for a firm and sure grip when connecting or disconnecting is featured on both plug and cable connector bodies. Insulators have high mechanical and dielectric strength and "Low Arc Tracking." "Increased Safety" type box terminals with gripper ribs securely clamp around conductors. Funneled conductor entry chambers lead all properly stripped conductors into terminals **simultaneously**. NEMA 4X rating when inserted into VersaMate receptacle and locking ring is tightened.

Receptacles:

Exclusive Patent Pending "Breech-Lock" cap serves as either flip lid or screw cover. Receptacle is NEMA 3R with lid snapped shut or NEMA 4X with lid turned shut or when VersaMate plug is inserted and locking ring tightened. Patent Pending notch in cap arm holds cap open for easy plug insertion or maintenance. Patented pin design uses slotted spring clip which avoids excessive wear while providing continuous electrical pin to sleeve contact. VersaMate® receptacles use the same "Increased Safety" terminals and funnel design as VersaMate® plugs.

Cable Clamping Assembly:

Plugs and cable connectors are supplied with an exclusive neoprene "Onion Skin" peel-away type grommet. The VersaRange® cable clamp system captures cable with **four grip points** using **only two** tightening screws. Clamp guide assembly provides a firm fit over a wide range of cable diameters. Non-removable set screws prevent clamp guide assembly from backing out. Clamps have smooth contoured shoulder design to prevent snags or damage when moving equipment.

Back Boxes:

VersaMate back boxes come in a variety of mounting styles. Exclusive "blind" receptacle mounting holes prevent moisture from entering box via thread cavities. Boxes come with a green grounding screw.

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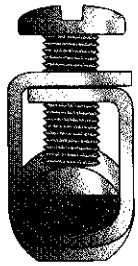
VersaMATE®

COMPETITION

FEATURES-SPECIFICATIONS

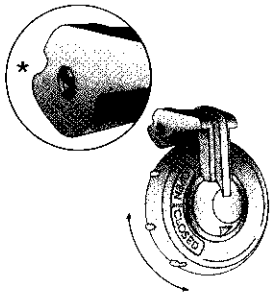
TERMINALS



"Increased Safety" type terminals reduce connection fatigue. Screws do not contact or machine conductor and are under spring tension to reduce loosening and pullout.

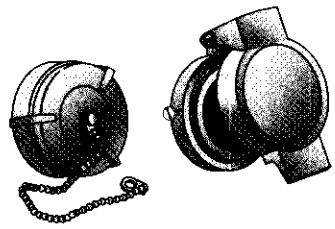
Conventional screw type terminals. Screws "machine" (grind or fray) conductor. Screws are not under tension and more easily loosen from heating and cooling cycles or from vibration. Screws can fall out (and be lost) during initial shipment-requires reassembly.

CAP



"Breech-Lock" design serves as both flip lid or screw cover style. Special notch in lid arm holds cover open to ease plug insertion or maintenance.

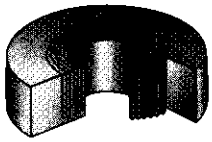
**Slip pencil or screwdriver into notch.*



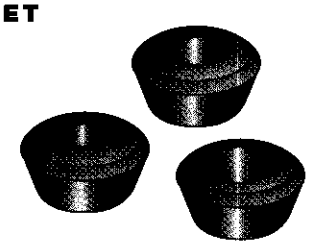
Conventional caps: user must choose between flip lid's convenience or screw cover's better sealing capabilities. Broken chains can mean lost covers.

PR

GASKET

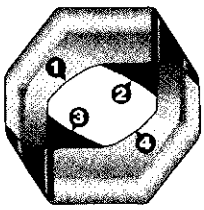


Exclusive "Onion Skin" style gasket assures a tight seal around cable. Skin layers are removed from a single gasket to adjust for various cable diameters.

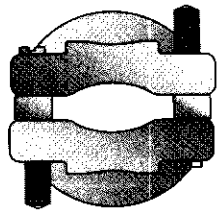


Multiple gaskets require trial & error sizing to be sure of best fit and seal.

CABLE CLAMP



VersaRange® Cable Clamp system captures cable at four grip points using only two screws. Smooth contoured design avoids snags when moving equipment.



Standard clamps squeeze and pinch cable. Protruding screws snag or scratch when moving equipment. Other clamp systems with multiple screws are difficult to tighten evenly.

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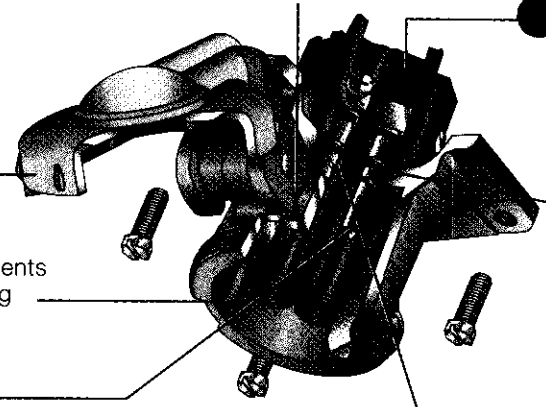
EXCLUSIVE VersaMATE® FEATURES:

Key user needs were identified from "Focus Groups" comprised of Design Engineers, Contractors, and Maintenance Personnel. Input from these forums resulted in VersaMate's unique features.

(P) **Patent pending** Exclusive "Breech-Lock" cap serves as either flip lid or screw cover

- NEMA 3R Rating: When receptacle cap is snapped shut
- NEMA 4X Rating: When receptacle cap is turned shut or with VersaMate® plug inserted and ring tightened

(P) **Patent pending** Special notch is designed to hold cap open for easy field service or plug insertion with **two** free hands



Funneled wiring chamber design for fast and accurate conductor insertion to speed assembly. All wires can be inserted **simultaneously**

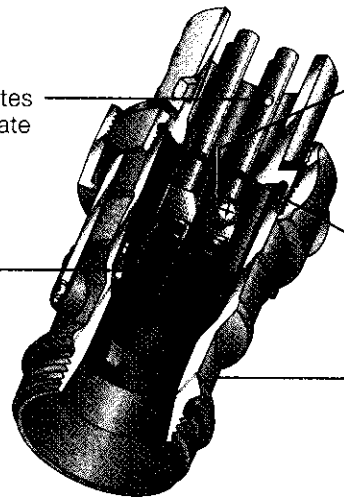
O-ring seals

Keyway prevents incorrect plug insertion

(P) **Patented** pin design using slotted spring clip to provide superior contact and reliability

"Increased safety" type box terminals provide secure clamping of conductors

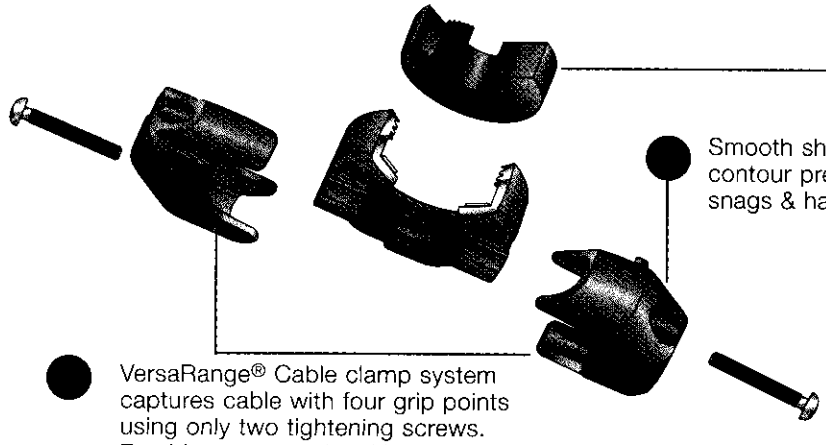
Sleeve incorporates contaminate relief port



Funneled wiring chamber design for fast and accurate conductor insertion to speed assembly. All wires can be inserted at **one time**

O-ring seals

(P) **Patent pending** Body style with octagonal shape for easy grip



Exclusive neoprene "Onion Skin" peel-away type gasket for the ultimate in sealing a variety of cable sizes

Smooth shoulder contour prevents snags & hang ups

● VersaRange® Cable clamp system captures cable with four grip points using only two tightening screws. Provides secure grip without damaging the cable insulation

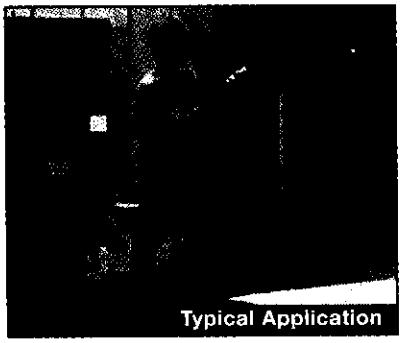
● **Unique VersaMate® Feature** The VersaMate® Line is designed for the industrial customer based on engineering and user surveys

HUBBELL® KILLARK®

(P) **Patented or Patent Pending Feature**

REVERSE SERVICE: S39

Add suffix **S39** for factory Reverse Service of receptacles, plugs or connectors. Receptacles or connectors are assembled with plug interiors while plugs are assembled with receptacle interiors. For applications where the plug is energized (i.e. from a generator) to feed a non-energized receptacle. Prevents easy contact with energized exposed pins. This conversion can be performed in the field with a complementary plug & receptacle (30A to 100A devices shown on pages PR6-8). 200A Amp devices shown on page PR9 are a factory-only option. Reverse Service is not for hazardous locations.

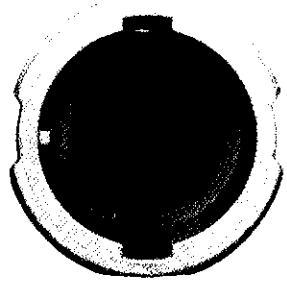

Typical Application

POLARIZED OPTION: S37

Add suffix **S37** for special polarity.

Can prevent connection between mismatched voltages or frequencies in areas where devices of the same amperage, poles and grounding style are used. Receptacle or connector interiors are rotated 22-1/2° to the right; plug is rotated opposite to match. This is a factory only option.

Standard

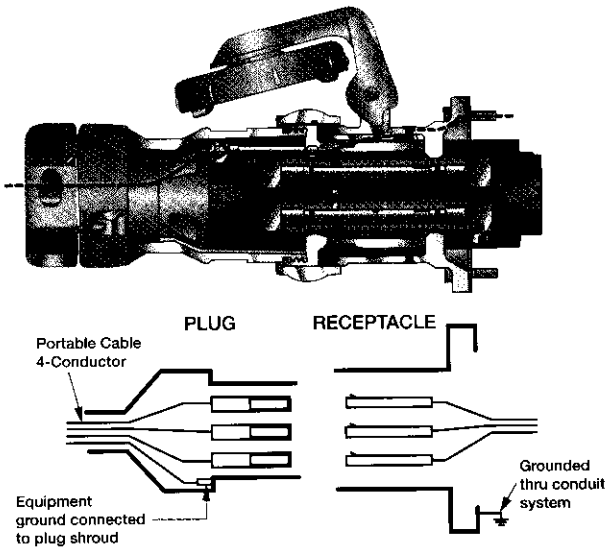

S37 Option

GROUNDING:

To minimize the danger of electrical shock when utilizing portable equipment, the National Electrical Code requires exposed metal parts be grounded if operated at more than 150 volts to ground. The VersaMate® plug & receptacle system is available in two grounding styles. Please note Style I and II devices cannot be intermated.

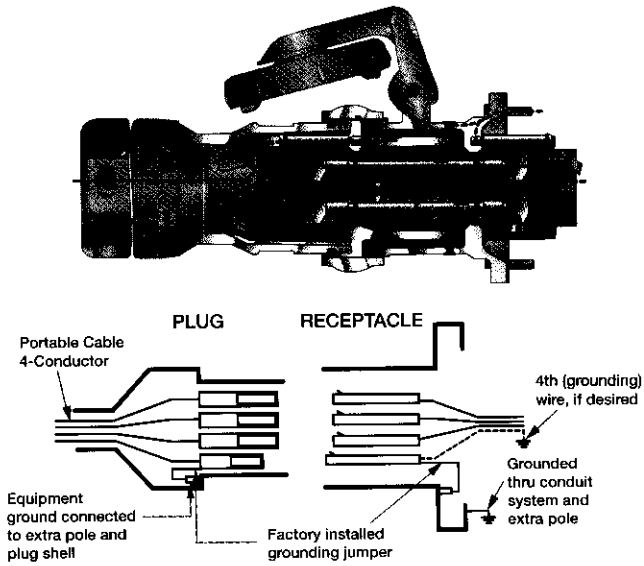
Style I

In a Style I plug, the cable's ground conductor is bonded to the plug housing by means of solderless connector. The receptacle is grounded by being part of a grounded conduit system. Upon insertion, detent springs in the receptacle housing contact and ground the plug housing before current carrying poles. All poles are current carrying.



Style II

In a Style II plug, the cable's ground conductor is bonded to the extra grounding pole and to the plug housing via a bonding jumper. The receptacle has a matching grounding pole connected to the system ground conductor which is further tied to the grounded conduit system via a bonding jumper. Upon insertion, detent springs in the receptacle housing contact and ground the plug housing; then the extra long ground pole connects before the current carrying poles engage. The Style II ground pole makes first and breaks last.



PR

HUBBELL®
KILLARK®

VERSAMATE® SERIES • PLUGS AND RECEPTACLES
30 AMP NEMA 4X METALLIC

Plug

Connector

- 30 Amp 600VAC/250VDC; 50-400 Hertz
  NEMA 3, 4, 4X, 12①
- PLUGS ONLY②:
  Class I, Div. 1 & 2, Groups B,C,D; NEMA 7 B,C,D
  Class I, Zones 1 & 2, IIB+H_2, IIA
  Class II, Div. 1 & 2, Groups F & G; NEMA 9 F,G; Class III

Wire Range

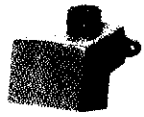
Regular Stranding: #10 - #6

Extra flex: #10 - #8

UL File No. E10757 CSA Certified File No. LR111846

E

C



D

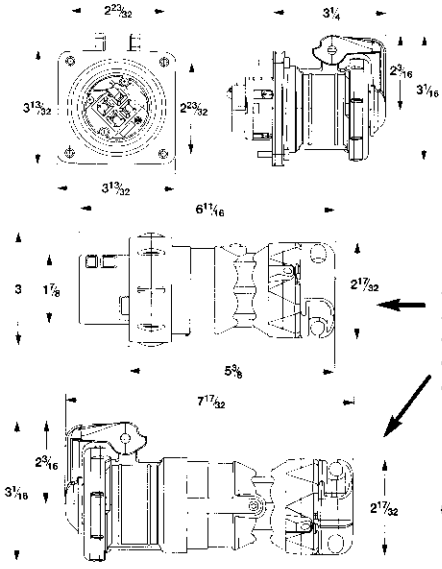
Receptacle

FEATURES-SPECIFICATIONS

30 AMP PLUGS & CONNECTORS				
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	2W2P	.55 - 1.20 IN	VP3275	VPR3255
	3W3P	.55 - 1.20 IN	VP3375	VPR3355
	4W4P	.55 - 1.20 IN	VP3475	VPR3455
Style II	2W3P	.55 - 1.20 IN	VP3385	VPR3365
	3W4P	.55 - 1.20 IN	VP3485	VPR3465

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

*See page PR5 for more information on these options.



Receptacle

Plug

VersaRange® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two – requiring additional sizing decisions).

Connector

① *Components are intermateable & UL classified with other UL1686 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.*

② *Plugs are hazardous suitable when mated with properly rated receptacles configured to use UL1686 type plugs, such as VersaMate VSQ/VBQ.*

– *Note, 2, 3 & 4 pole device dimensions are the same.*

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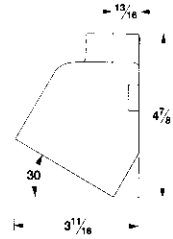
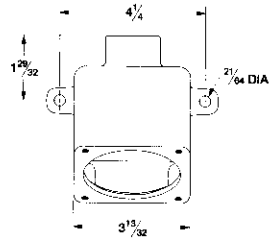
30 AMP RECEPTACLES & BACK BOXES					
GROUND STYLE	CIRCUIT	CATALOG NUMBER			
		E ③ TYPE	C ③ TYPE	D ③ TYPE	RECEPTACLE ONLY
Style I	2W2P	VR321E2	VR321C2	VR321D2	VR321
	3W3P	VR331E2	VR331C2	VR331D2	VR331
	4W4P	VR341E2	VR341C2	VR341D2	VR341
Style II	2W3P	VR332E2	VR332C2	VR332D2	VR332
	3W4P	VR342E2	VR342C2	VR342D2	VR342
Splice box only③		VRE23	VRC23	VRD23	–

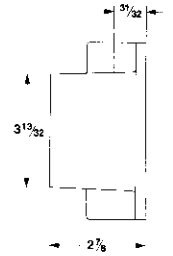
③ *30 Amp Back Boxes are available in 1/2", 3/4" and 1" conduit sizes. Size listed for 3/4". For other available sizes, change the BOLD "**2**" in either the assembly or box only number to: **1**=1/2", **2**=3/4", **3**=1". Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.*

Back Box Dimensions

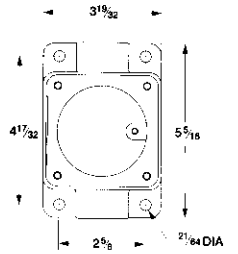


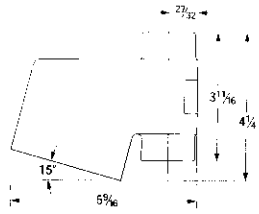
VRE



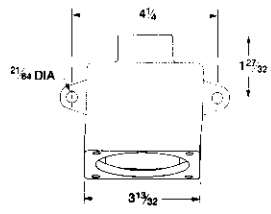


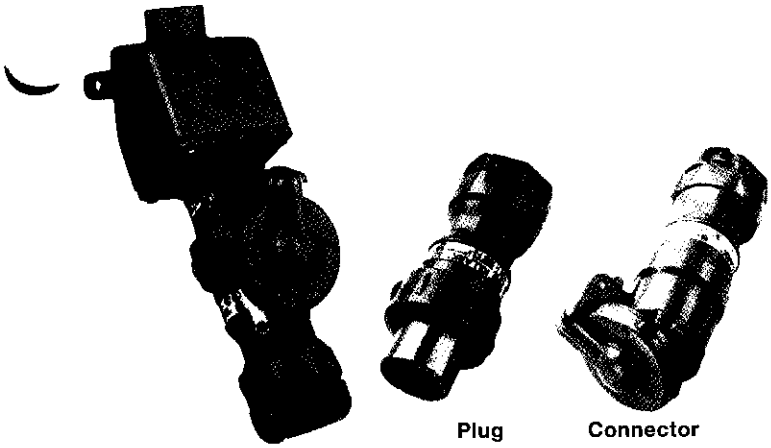
VRC





VRD





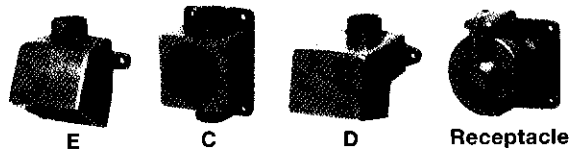
- 60 Amp 600VAC/250VDC; 50-400 Hertz
  NEMA 3, 4, 4X, 12①
- PLUGS ONLY②:
  Class I, Div. 1 & 2, Groups B,C,D; NEMA 7 B,C,D
  Class I, Zones 1 & 2, IIB+H_2, IIA
  Class II, Div. 1 & 2, Groups F & G; NEMA 9 F,G; Class III

Wire Range

Regular Stranding: #6 - #4

Extra flex: #6 - #4

(UL) File No. E10757 (SP) Certified File No. LR111846



FEATURES-SPECIFICATIONS

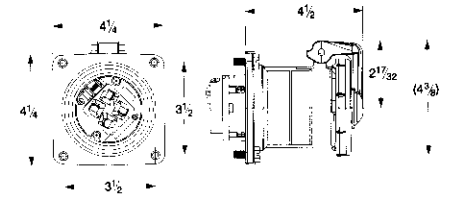
60 AMP PLUGS & CONNECTORS

GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	2W2P	.65 - 1.50 IN	VP6275	VPR6255
	3W3P	.65 - 1.50 IN	VP6375	VPR6355
	4W4P	.65 - 1.50 IN	VP6475	VPR6455
Style II	2W3P	.65 - 1.50 IN	VP6385	VPR6365
	3W4P	.65 - 1.50 IN	VP6485	VPR6465

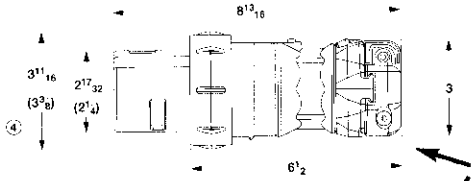
MODIFICATIONS*

CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

*See page PR5 for more information on these options.

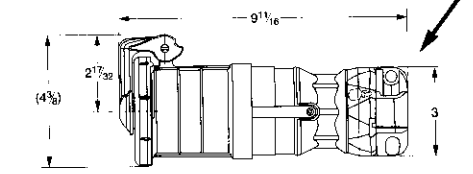


Receptacle



Plug

VersaRange® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two – requiring additional sizing decisions).



Connector

① *Components are intermateable & UL classified with other UL1686 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.*

② *Plugs are hazardous suitable when mated with properly rated receptacles configured to use UL1686 type plugs, such as VersaMate VSQ/VBQ.*

④ *Dimensions in ( ) are 3 pole devices; balance are 4 pole.*

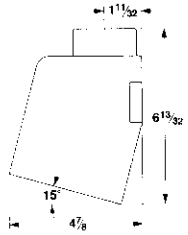
60 AMP RECEPTACLES & BACK BOXES

GROUND STYLE	CIRCUIT	CATALOG NUMBER			
		E ③ TYPE	C ③ TYPE	D ③ TYPE	RECEPTACLE ONLY
Style I	2W2P	VR621E4	VR621C4	VR621D4	VR621
	3W3P	VR631E4	VR631C4	VR631D4	VR631
	4W4P	VR641E4	VR641C4	VR641D4	VR641
Style II	2W3P	VR632E4	VR632C4	VR632D4	VR632
	3W4P	VR642E4	VR642C4	VR642D4	VR642
Splice box only③		VRE46	VRC46	VRD46	–

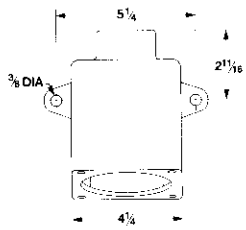
③ *60 Amp Back Boxes are available in 1", 1-1/4" and 1-1/2" conduit sizes. Size listed above is 1-1/4". For other available sizes, change the BOLD "**4**" in either the assembly or box only number as follows: **3**=1", **4**=1-1/4", **5**=1-1/2". Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components. Note: 60 Amp receptacles also fit 100 Amp mounting boxes – see Note ④ on 100 Amp page PR8.*

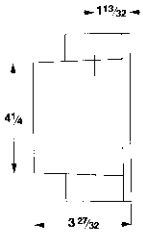
PR

Back Box Dimensions

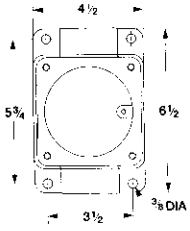


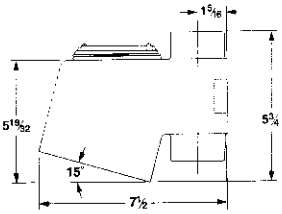
VRE



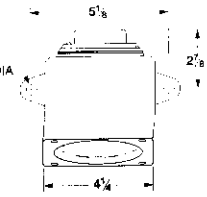


VRC





VRD



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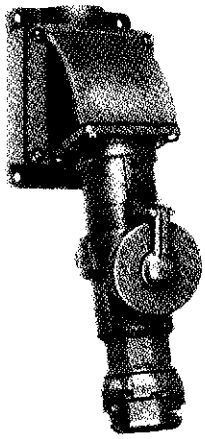
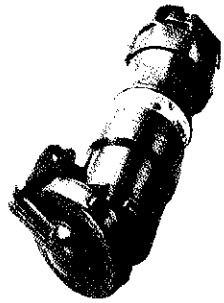
VERSAMATE® SERIES • PLUGS AND RECEPTACLES
100 AMP NEMA 4X METALLIC



Plug



Connector

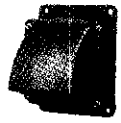
- 100 Amp 600VAC/250VDC; 50-400 Hertz
  NEMA 3, 4, 4X, 12①
- PLUGS ONLY②:
  Class I, Div. 1 & 2, Groups B,C,D; NEMA 7 B,C,D
  Class I, Zones 1 & 2, IIB+H_2, IIA
  Class II, Div. 1 & 2, Groups F & G; NEMA 9 F,G; Class III

Wire Range

Regular Stranding: #4 - #2

Extra flex: #4 - #2

UL File No. E10757 CSA Certified File No. LR111846



E

C

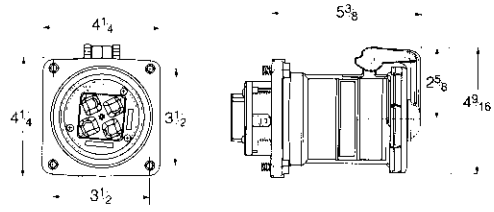
Receptacle

FEATURES-SPECIFICATIONS

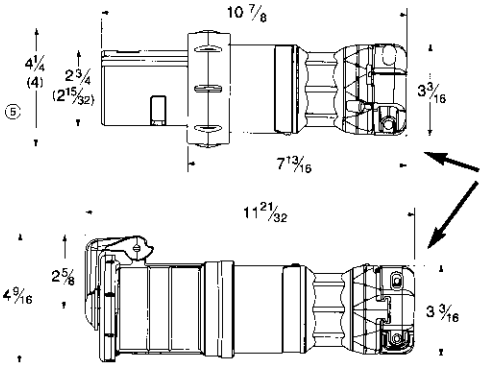
100 AMP PLUGS & CONNECTORS				
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	2W2P	.88 - 1.68 IN	VP10277	VPR10257
	3W3P	.88 - 1.68 IN	VP10377	VPR10357
	4W4P	.88 - 1.68 IN	VP10477	VPR10457
Style II	2W3P	.88 - 1.68 IN	VP10387	VPR10367
	3W4P	.88 - 1.68 IN	VP10487	VPR10467

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

*See page PR5 for more information on these options.



Receptacle



Plug

VersaRange® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two – requiring additional sizing decisions).

Connector

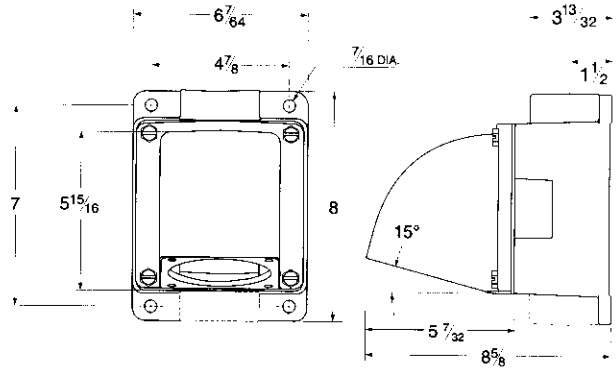
100 AMP RECEPTACLES & BACK BOXES				
GROUND STYLE	CIRCUIT	CATALOG NUMBER		
		E ③ TYPE	C ③ TYPE	RECEPTACLE ONLY
Style I	2W2P	VR1021E5	VR1021C5	VR1021
	3W3P	VR1031E5	VR1031C5	VR1031
	4W4P	VR1041E5	VR1041C5	VR1041
Style II	2W3P	VR1032E5	VR1032C5	VR1032
	3W4P	VR1042E5	VR1042C5	VR1042
Splice box only w/adapter③④		VJ57	VJC57	Angle adapter only VJA100

*③ 100 Amp Back Boxes are available in 1", 1-1/4", 1-1/2" & 2" conduit sizes. Size listed above is 1-1/2". For other available sizes, change the BOLD "**5**" in either the assembly or box only number as follows: **3**=1", **4**=1-1/4", **5**=1-1/2", **6**=2". Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.*

④ 100 Amp Boxes & Adapters also fit 60 Amp receptacles. Adapter only can be used to attach receptacle at an angle to a standard sheet metal box.

Back Box Dimensions

VJC



Feed through style shown

① Components are intermateable & UL classified with other UL1686 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.

② Plugs hazardous suitable when mated with properly rated receptacles configured to use UL1686 type plugs, such as VersaMate VBQ.

⑤ Dimensions in ( ) are 3 pole devices; balance are 4 pole.

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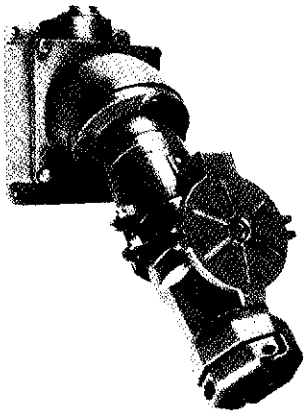
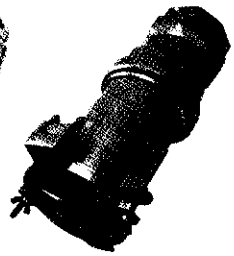


Plug



Connector

200 Amp 600VAC/250VDC; 50-400hertz
NEMA 3 4, 4X, 12①

Wire Range

Regular Stranding: #1 - 250
Extra flex: #1 - 250
(.653 max conductor diameter)

UL File No. E10757 CSA Certified File No. LR111846
E213215

E

C

Receptacle

FEATURES-SPECIFICATIONS

200 AMP PLUGS & CONNECTORS

GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	3W3P	1.0 - 2.5 IN	**VP203512**	**VPR203112**
	4W4P	1.0 - 2.5 IN	**VP204513**	**VPR204113**
Style II	2W3P	1.0 - 2.5 IN	**VP203612**	**VPR203212**
	3W4P	1.0 - 2.5 IN	**VP204612**	**VPR204212**

MODIFICATIONS*

CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

See page PR5 for more information on these options.

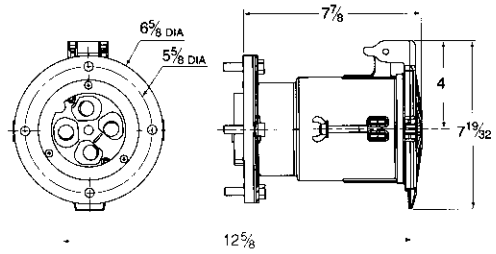
200 AMP RECEPTACLES & BACK BOXES

GROUND STYLE	CIRCUIT	CATALOG NUMBER		
		E ② TYPE	C ② TYPE	RECEPTACLE ONLY
Style I	3W3P	**VR20312E6**	**VR20312C7**	**VR20312**
	4W4P	**VR20412E6**	**VR20412C7**	**VR20412**
Style II	2W3P	**VR20322E6**	**VR20322C7**	**VR20322**
	3W4P	**VR20422E6**	**VR20422C7**	**VR20422**
Splice box only w/adapter②③		**VJ68**	**VJC78**	Angle adapter only **VJA200**

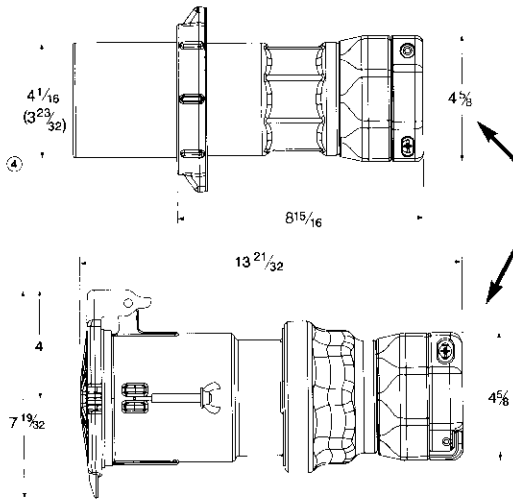
② *200 Amp Back Boxes are available in dead-end sizes 1-1/2", 2" & 2-1/2" conduit sizes. Dead-end box shown is 2". For other available dead-end box sizes, change the BOLD "**6**" in either the dead-end assembly or box only number as follows: **5**=1-1/2", **6**=2", **7**=2-1/2". Feed through boxes are available in 2-1/2"; use "R" series adapters as required for smaller sizes (sold separately). Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.*

③ *Adapter only can be used to attach receptacle at an angle to a standard sheet metal box.*

NOTE: 200A VersaMate receptacle lids secure with wingnuts for N4X environments when not in use. VersaMate plugs secure with wingnuts and/or lock-ring collar. This exclusive dual method allows retention of competitive plugs that use either wingnuts or a lock-ring collar.



Receptacle

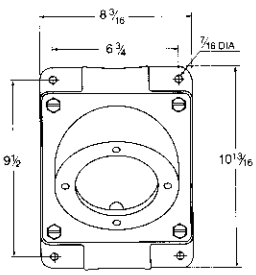


Plug

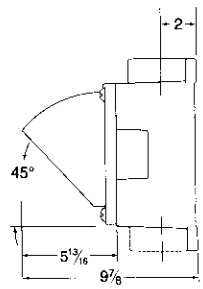
VersaRange® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two – requiring additional sizing decisions).

Connector

Back Box Dimensions



VJC



① *Components are intermateable & UL classified with Appleton® Powertite® or Crouse-Hinds® Arktite® devices (when installed in accordance with instructions furnished with device. Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.*

④ *Dimensions in ( ) are 3 pole devices; balance are 4 pole.*

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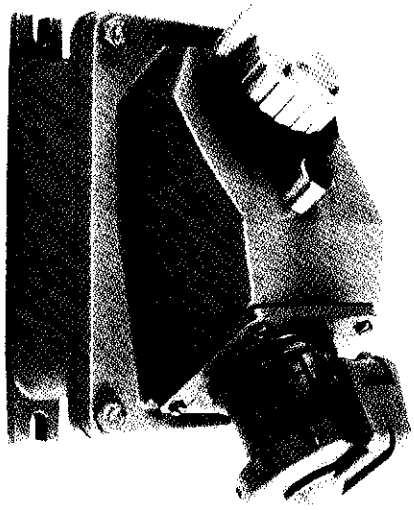
PR

VERSAMATE® SERIES • PLUGS AND RECEPTACLES
VSQ & VWSQ INTERLOCKED SWITCHED RECEPTACLES



- **VSQ Hazardous Location Ratings**
  Class I, Div. 1 & 2, Groups B,C,D
  Class I, Zones I & 2, Groups IIB+H_2, IIA
  Class II, Div. 1 & 2, Groups F & G
  Class III
  NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G), 12
- **VWSQ for Wet & Corrosive Locations**
  NEMA 3, 4, 4X, 12

Wire Range

30 Amp Regular Stranding Max #10
60 Amp Regular Stranding Max #4

(UL) File No. E91049

(CSA) Certified File No. LR14667

FEATURES-SPECIFICATIONS

Features

- N4X with receptacle lid turned shut or with plug locking ring tightened
- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish. Handle mechanism is chemical resistant Valox® (TM General Electric).
- Compact size and footprint
- Patent Pending Plug Interlock Mechanism
- Dead-front construction. Switch cannot be turned "ON" without fully inserted plug. Plug cannot be removed with switch in "ON" position
- Plug held in place when switch is "Off" for convenience. Push button operated release mechanism. Plug & wiring do not have to be twisted to operate switch
- Factory Wired Receptacle; easy to wire line side of switch
- Easily visible "On-Off" indicator handle
- "Off" position is padlockable for maintenance safety

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S37	Polarization for receptacles, plugs

**See page PR5 for more information on this option*

VersaMate VSQ & VWSQ Receptacles use VersaMate Style II plugs found on pages PR6 & PR7 and are compatible with appropriately configured Crouse-Hinds® Arktite® or Appleton® Powertite® plugs (when installed in accordance with instructions furnished with device).

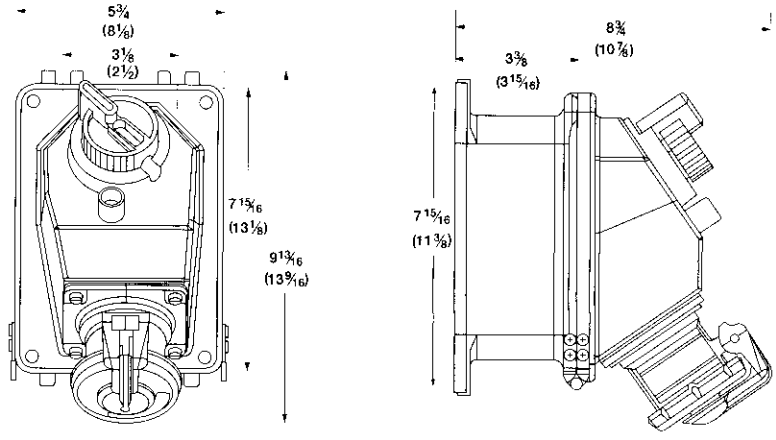
- Auxiliary Contact (late-make early-break) contact rated 10 Amp, 1/3 HP at 125/250 VAC. Can be used for operating pilot lights or starter coils
- Feed-through construction
- Horsepower Rated

HORSEPOWER RATINGS (VAC)		120	240	480	600
30A	1Ø	2	5	10	15
	3Ø	3	7.5	15	20
60A	1Ø	–	10	15	20
	3Ø	–	10	25	30

VSQ & VWSQ RECEPTACLES				
AMPS	CIRCUIT	CATALOG NUMBER		
		VSQ HAZARDOUS	VWSQ N4X ONLY	VERSAMATE PLUG
30	2W3P	VSQ3023	VWSQ3023	VP3385
	3W4P	VSQ3034	VWSQ3034	VP3485
60	2W3P	VSQ6023	VWSQ6023	VP6385
	3W4P	VSQ6034	VWSQ6034	VP6485

NOTES: VSQ/VWSQ 30 Amp models come standard with 1" drilled and tapped conduit openings top and bottom plus two 1" x 3/4" reducers and one 3/4" close-up plug for maximum flexibility. 60 amp models come with 1-1/2" openings top and bottom and one 1-1/2" close-up plug. VSQ & VWSQ Receptacle covers are NOT interchangeable.

Dimensions



Dimensions shown are 30 AMP: 60 Amp dimensions in ( ).
NOTE: 60A has adjustable ductile lugs (vertical or side) for attachment to uneven surfaces.

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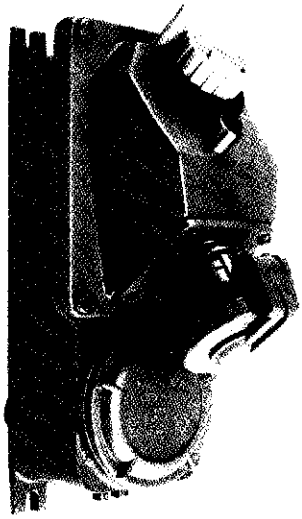


Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones I & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G), 12

File No. E91049

Certified File No. LR14667

Wire Range

30 Amp Regular Stranding Max #10
60 Amp Regular Stranding Max #4

Features – same as VSQ plus:

- Factory Sealed Construction eliminates need for conduit sealing at the device
- Saves Installation Time & Labor – facilitates rework
- Switch has factory wired line and load terminals. Load terminals feed sealed receptacle as in a standard VSQ. Line wiring is passed from the sealed compartment into the **wiring chamber**
- Ordinary twist type wire connectors are used for final connections on 30A. 60A devices have terminal blocks
- Late-Make Early-Break Auxiliary Contact connections are passed into the wiring chamber for connection to pilot lights, motor starter coils or other control devices

FEATURES-SPECIFICATIONS

VSQ - FS RECEPTACLES			
AMPS	CIRCUIT	CATALOG NUMBER	
		VSQ-FS HAZARDOUS	VERSAMATE PLUG
30	2W3P	VSQ3023FS	VP3385
30	3W4P	VSQ3034FS	VP3485
60	2W3P	VSQ6023FS	VP6385
60	3W4P	VSQ6034FS	VP6485

NOTES: VSQ-FS 30 Amp models come standard with a 1" drilled and tapped conduit openings into the wiring chamber plus one 1" x 3/4" reducer.

60 amp models come with 1-1/2" opening.

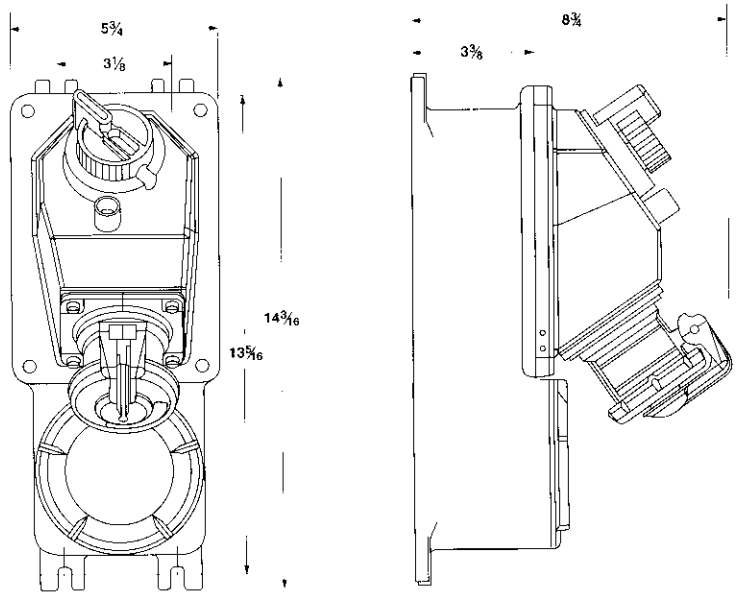
Receptacles may be loosened from black box and turned 180 degrees to adjust for top or bottom feed.

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S37	Polarization for receptacles & plugs

See page PR5 for more information on this option.

PR

Dimensions



Dimensions Shown are 30 AMP. Consult Factory for 60 AMP Dimensions.

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PR12

VERSAMATE® SERIES • PLUGS AND RECEPTACLES
VBQ BREAKER PROTECTED INTERLOCKED RECEPTACLES
600VAC/250VDC

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G), 12

File No. E184637

FEATURES-SPECIFICATIONS

Features

Receptacle:

- N4X with receptacle lid turned shut or with plug locking ring tightened
- Plug held in place when switch is "Off" for convenience. Pull button operated release mechanism. Plug does not have to be twisted to operate switch
- Dead-front construction when receptacle is off. Switch cannot be turned "ON" without fully inserted plug. Plug cannot be removed with switch in "ON" position
- Wire Connections do not bend when opening and closing door – minimizes loosening during installation or maintenance procedures

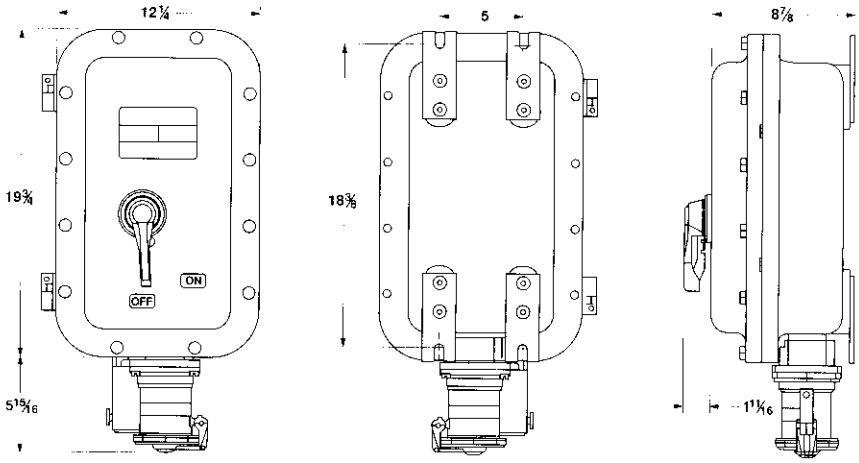
Enclosure:

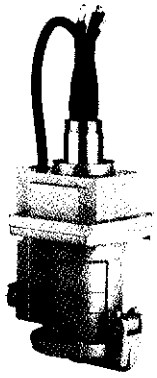
- Spacious wiring room. Meets the latest NEC wire bending requirements for circuit breaker enclosures
- Ductile Mounting Lugs to adjust to uneven surfaces
- Copper-free construction with 316 grade Stainless Steel External Hardware
- Quick Release Cover Bolts with Triple Leads – only 3-1/2 turns to disengage
- Recessed Flange Notches – Allows easier cover opening with prying instrument without flange damage
- Aluminum lacquer paint finish for corrosion resistance
- Visible "ON" external Breaker Handle has provisions for locking "ON" or "OFF" with up to three Padlocks
- Internal Lock-Off provision for maintenance when no hazardous materials are present

VersaMate VBQ Receptacles use VersaMate Style II plugs found on 30, 60 and 100 amp pages and are compatible with appropriately configured Crouse-Hinds® Arktite® or Appleton® Powertite® plugs (when installed in accordance with instructions furnished with device).

**CSA pending.*

Dimensions





Receptacle assembly is field replaceable for maintenance.

Ordering information listed in the instruction sheets provided with the product.

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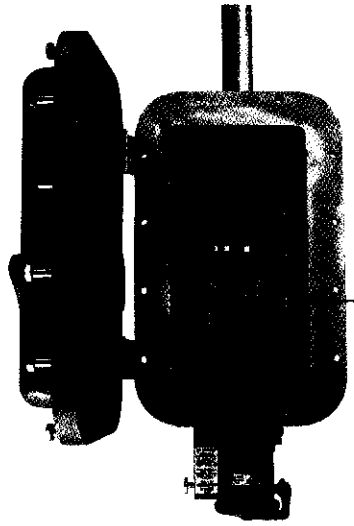

Internal Lock-Off provision for maintenance when no hazardous materials are present

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones I & 2, IIB+H_2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G), 12

File No. E184637

ORDERING INFORMATION

VSQ & VWSQ RECEPTACLES

RECEPTACLE	CIRCUIT	BREAKER	CATALOG NUMBER				
			SQUARE D FAL	SQUARE D FHL	CUTLER-HAMMER EHD	CUTLER-HAMMER FD	VERSAMATE PLUG
30	2W3P	20	VBQ3023SN20	VBQ3023SH20	VBQ3023CN20	VBQ3023CH20	VP3385
		30	VBQ3023SN30	VBQ3023SH30	VBQ3023CN30	VBQ3023CH30	VP3385
		40	VBQ3023SN40	VBQ3023SH40	VBQ3023CN40	VBQ3023CH40	VP3385
		50	VBQ3023SN50	VBQ3023SH50	VBQ3023CN50	VBQ3023CH50	VP3385
	3W4P	20	VBQ3034SN20	VBQ3034SH20	VBQ3034CN20	VBQ3034CH20	VP3485
		30	VBQ3034SN30	VBQ3034SH30	VBQ3034CN30	VBQ3034CH30	VP3485
		40	VBQ3034SN40	VBQ3034SH40	VBQ3034CN40	VBQ3034CH40	VP3485
		50	VBQ3034SN50	VBQ3034SH50	VBQ3034CN50	VBQ3034CH50	VP3485
60	2W3P	50	VBQ6023SN50	VBQ6023SH50	VBQ6023CN50	VBQ6023CH50	VP6385
		60	VBQ6023SN60	VBQ6023SH60	VBQ6023CN60	VBQ6023CH60	VP6385
		70	VBQ6023SN70	VBQ6023SH70	VBQ6023CN70	VBQ6023CH70	VP6385
		90	VBQ6023SN90	VBQ6023SH90	VBQ6023CN90	VBQ6023CH90	VP6385
		100	VBQ6023SN100	VBQ6023SH100	VBQ6023CN100	VBQ6023CH100	VP6385
	3W4P	50	VBQ6034SN50	VBQ6034SH50	VBQ6034CN50	VBQ6034CH50	VP6485
		60	VBQ6034SN60	VBQ6034SH60	VBQ6034CN60	VBQ6034CH60	VP6485
		70	VBQ6034SN70	VBQ6034SH70	VBQ6034CN70	VBQ6034CH70	VP6485
		90	VBQ6034SN90	VBQ6034SH90	VBQ6034CN90	VBQ6034CH90	VP6485
		100	VBQ6034SN100	VBQ6034SH100	VBQ6034CN100	VBQ6034CH100	VP6485
100	2W3P	50	VBQ1023SN50	VBQ1023SH50	VBQ1023CN50	VBQ1023CH50	VP10387
		70	VBQ1023SN70	VBQ1023SH70	VBQ1023CN70	VBQ1023CH70	VP10387
		90	VBQ1023SN90	VBQ1023SH90	VBQ1023CN90	VBQ1023CH90	VP10387
		100	VBQ1023SN100	VBQ1023SH100	VBQ1023CN100	VBQ1023CH100	VP10387
	3W4P	50	VBQ1034SN50	VBQ1034SH50	VBQ1034CN50	VBQ1034CH50	VP10487
		70	VBQ1034SN70	VBQ1034SH70	VBQ1034CN70	VBQ1034CH70	VP10487
		90	VBQ1034SN90	VBQ1034SH90	VBQ1034CN90	VBQ1034CH90	VP10487
		100	VBQ1034SN100	VBQ1034SH100	VBQ1034CN100	VBQ1034CH100	VP10487

Circuit Breaker 1Ø or 3Ø Interrupting Ratings	208/240 VAC	480 VAC	600 VAC	250 VDC
Square D FAL 480V	25,000	18,000	——	10,000
Square D FHL 600V	65,000	25,000	18,000	10,000
Cutler-Hammer EHD 480V	18,000	14,000	——	10,000
Cutler-Hammer FD 600V	65,000	25,000	18,000	10,000

Consult Breaker Manufacturer literature for Horsepower Ratings.

Circuit Breaker	Wire Range
Square D	To 30 Amp #14-4 cu.; 35-100 Amp #14-1/0 cu.
Cutler-Hammer	To 20 Amp #14-10 cu.; 30-100 Amp #14-1/0 cu.

MODIFICATIONS①	
CATALOG NUMBER	DESCRIPTION
S37	Polarization for receptacles & plugs
SU10	Drain
SU11	Breather
SU3	Drain and Breather (CSA Groups C & D)

**CSA pending*

① See page PR5 and price sheet for more information on these options.

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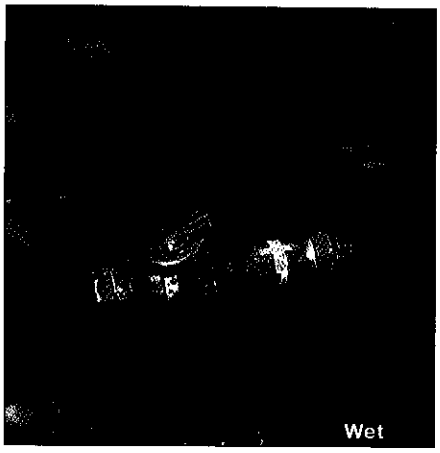
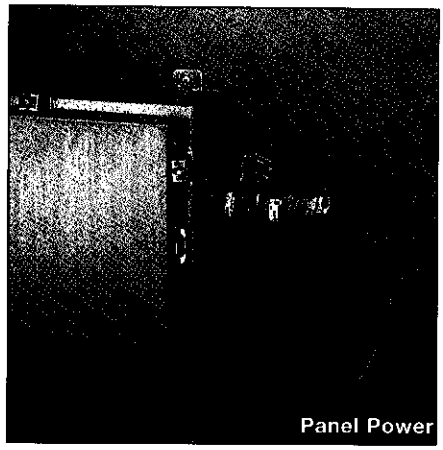
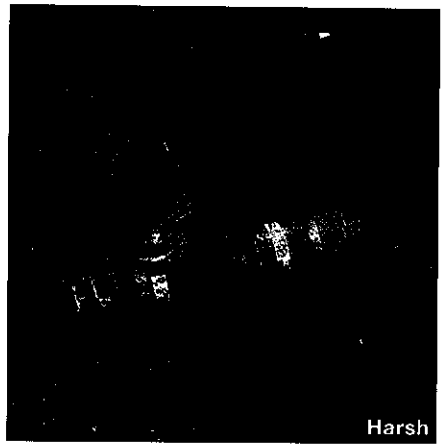

Wet


Panel Power


Harsh

FEATURES-SPECIFICATIONS

Applications

Suitable for indoor or outdoor use. Applications include the wet, cold, hazardous, or corrosive areas in such industries as:

- Pulp & Paper Mills
- Breweries
- Electrical Power Plants
- Refineries
- Petrochemical Plants
- Chemical Plants
- Wastewater Treatment
- Grain Facilities
- Marine, Docks, Ports
- Textile Manufacturing
- Construction Sites
- Food Processing Facilities

Standard Materials

Plug, Receptacle & Mounting Box	Copper-free Aluminum (less than 4/10 of 1%) with electrostatically applied polyester/ epoxy paint
Interior Contact Carrier	Engineered Thermoset Polyester – provides high temperature strength and electrical resistance. Other industrial electrical applications include circuit breaker/switch housings, arc chutes, bus bar insulators and transformer bushings
O-Ring, Gaskets & Seal	Neoprene
Pins & Sleeves	Brass
Pin Spring	Heat-treated Beryllium Copper
External Hardware	316 Stainless Steel
Increased Safety Terminals	Heat treated & Zinc-plated steel frame with Stainless Steel screws
Ground Standoff & Bracket	Brass & Nickel-plated Bronze

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Sample VersaMate® Specifications

Plugs & Receptacles shall be of the metallic NEC style configured to UL1686-C1 specifications. Plugs & Receptacles must be suitable for NEMA 4X environments. Caps shall be of a "Breech-Lock" design capable of being used as a flip lid or screw cover. Cable clamps must be of contoured smooth 2-screw design with a single "Onion Skin" grommet capable of being sized for appropriate cables. Wire terminals must be of the "Increased Safety" design in which the conductor is compressed, not machined, by the set-screw. Hazardous location receptacles must be UL classified to accept any UL 1686-C1 approved plug of appropriate configuration. Hazardous location receptacles shall be rated Class I Groups B,C & D; Class II Groups F & G and N4X.

Switched receptacles must be interlocked and horsepower rated and contain an auxiliary contact for control purposes. Factory-sealed switched receptacles must have an integral wiring chamber, for use with ordinary twist-on wirenuts, that eliminates the need for seals at the device.

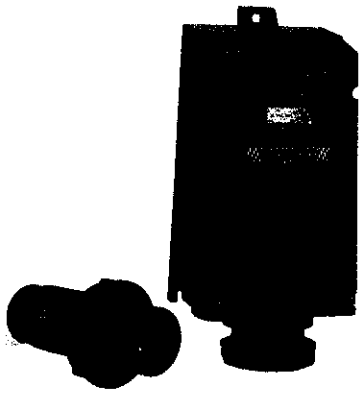
Circuit breaker receptacles must be interlocked and constructed so that receptacle units can be field replaced. Device must include an external lock-off safety mechanism for normal operation and an internal lockoff for maintenance (when hazardous materials are not present).

Hostile

VersaMATE® FEATURE	BENEFIT	VERSAMATE®	POWERTITE®①	ARKTITE®②	APPLETON® OR CROUSE-HINDS® COMPARISON
"Breech-Lock" cap* (30, 60, 100 Amp)	Works as both flip lid or screw cap in one convenient unit. Lid closes when not in use to protect threads	✓	–	–	User must choose between convenience of flip lid or better seal of screw cover
Notch in cap*	Allows cap to be held open so two hands can insert/remove plug	✓	–	–	User holds flip lid open with one hand – allowing only one hand for plug
Octagonal grip*	Sure and easy of gripping of plug	✓	–	–	Round body makes it more difficult to grip plug
"Increased Safety" Terminals**	Prevents wire loosening; no contact between screw & conductor; spring tension helps prevent screw loosening & wire pullout	✓	–	–	Set screws can gouge & damage conductor strands; no anti-loosening feature
"Onion Skin" style gasket**	One gasket easily adjusts to fit a wide range of cable sizes	✓	–	–	Appleton has many gaskets to pick & choose from for various cable sizes
NEMA 4X	Very high corrosion & water resistance – even with plug installed	✓	–	–	Only "weatherproof" on most devices
"O" Ring or flat gaskets for all key interfaces**	Provides N4X sealing and impact/shock resistance	✓	–	–	Minimal gasketing; only weatherproof on most devices
Back box has blind holes for receptacle mounting**	Prevents water intrusion into box along screw threads	✓	–	–	"Drilled Through" mounting holes can allow water intrusion along holes & bolt threads
Simple contoured 2-screw clamping system**	VersaRange® clamps securely grip a wide range of cable diameters in 4 places with only 2 screws; smooth contoured design prevents snags	✓	–	–	Appleton uses big "Romex" style clamp with protruding screws. Crouse-Hinds, while smooth, has complicated 3-screw assembly which requires numerous rotations to tighten evenly
Clamp assembly set-screw	Prevents turning or loosening in plug or connector	✓	✓	–	Crouse-Hinds relies on plastic tabs which can break when opened for rewiring
Back box mounting dimensions match competitors	Allows user easy upgrade to VersaMate	✓	✓	✓	Competitive intermateablility
Receptacle mounting holes match competitors	Allows user easy upgrade to VersaMate receptacle where removal of existing conduit and back box is difficult	✓	✓	✓	Competitive intermateablility
UL1686-C1 Configured	Competitive intermateablility	✓	✓	✓	Competitive intermateablility
Painted finish	Provides additional corrosion resistance	✓	✓	–	Crouse-Hinds is unpainted
Copper-Free Aluminum	Rugged construction resists corrosion	✓	✓	✓	Rugged construction resists corrosion
Conventional catalog terminology (ie.3W4P Style II)	Allows easy identification & safe matching of devices among manufacturers	✓	✓	✓	Allows easy identification & safe matching of devices among the three major manufacturers
Heavy duty metallic plug	Suitable for rugged applications such as welding, power supply, etc.	✓	✓	✓	Suitable for rugged applications such as welding, power supply, etc.
Insulation sleeve in plugs & connectors	Plastic sleeve between pin carrier/terminals & housing minimizes possible electrical shock	✓	–	✓	Appleton has no sleeve. Sleeve gives "insulation benefit" of plastic plugs in a heavy duty metallic housing
Pin has slotted spring clip*	Provides superior long life & better pin to sleeve contact	✓	–	–	Appleton's wedge spring design can cut a groove over time in sleeve reducing effectiveness. Crouse-Hinds uses split pin design which fatigues over time
Reverse service (S39)	Allows safe connection of an energized plug to a receptacle (ie. generator feed)	✓	✓	✓	Allows safe use of an energized plug to a receptacle (ie. generator feed)
Polarization (S37)	Prevents connection between mismatched voltages in areas where the same amperage, ground style & number of poles are used	✓	✓	✓	Prevents connection between mismatched voltages in areas where the same amperage, ground style & number of poles are used
Auxiliary contact	VSQ/VWSQ/VSQ-FS series includes 10 Amp auxiliary contacts	✓	–	–	Permits operation of pilot lights or other control devices
Factory-sealed receptacle	VSQ-FS series has factory-sealed wiring chamber	✓	–	–	Eliminates need for seals at receptacle; saves labor and makes rework for maintenance easier

** Patented or Patent Pending Feature*
*** Exclusive Feature*
① Powertite® is a registered trademark of Appleton®.
② Arktite® is a registered trademark of Crouse-Hinds®.

VERSAMATE® SERIES • PLUGS AND RECEPTACLES
VSI NON-METALLIC PLUGS AND SWITCHED RECEPTACLES



Plug with dust cap

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G①
Class III
NEMA 3, 4, 4X*
CENELEC-EEx de IIC T6 IP66*

FM APPROVED File J.I. OR6A2.AX, J.I. OR6A3.AE

Certified - File LR-99480-2, LR-99480-25

PTB No. Ex-82/1047 (16A) Ex-84/1004 (63A)
Ex-82/1081 (32A) Ex-89.C.1014 (125A)

FEATURES-SPECIFICATIONS

VersaMATE®

Applications

- For use in hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- When VSI Series is installed in Class II Div. 1 and 2 locations, dust caps for plugs are required. See ordering information below

Features

- Color coding and pin configuration makes it physically impossible to mate plugs and receptacles of different voltages and current ratings (per IEC 309-2)
- Interlocked switch mechanism prevents accidental removal of plug from receptacle under load
- Horsepower rated disconnect switch includes 1 auxiliary contact (late make, early break) for signaling circuits
- 16A, 32A, 63A, 125A models

Dimensional Information

See page PR17.

VSI SERIES PLUGS & SWITCHED RECEPTACLES

DESCRIPTION		CATALOG NUMBER							
	AC VOLTAGE AND COLOR CODE	16 AMP		32 AMP		63 AMP		125 AMP	
		RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG
2 Pole 3 Wire	125 Yellow	VSI16R304	VSI16P304	—	—	—	—	—	—
	250 Blue	VSI16R306	VSI16P306	—	—	—	—	—	—
	480 Red	VSI16R307	VSI16P307	—	—	—	—	—	—
3 Pole 4 Wire	3 Ø 250 Blue	VSI16R409	VSI16P409	VSI32R409	VSI32P409	VSI63R409	VSI63P409	VSI125R409	VSI125P409
	3 Ø 480 Red	VSI16R407	VSI16P407	VSI32R407	VSI32P407	VSI63R407	VSI63P407	VSI125R407	VSI125P407
	3 Ø 600 Black	VSI16R405	VSI16P405	VSI32R405	VSI32P405	VSI63R405	VSI63P405	VSI125R405	VSI125P405
4 Pole 5 Wire	3 ØY 120/208 Blue	VSI16R509	VSI16P509	VSI32R509	VSI32P509	VSI63R509	VSI63P509	VSI125R509	VSI125P509
	3 ØY 277/480 Red	VSI16R507	VSI16P507	VSI32R507	VSI32P507	VSI63R507	VSI63P507	VSI125R507	VSI125P507
	3 ØY 347/600 Black	VSI16R505	VSI16P505	VSI32R505	VSI32P505	VSI63R505	VSI63P505	VSI125R505	VSI125P505

TECHNICAL DATA

	PLUG	RECEPTACLE	
Terminal capacity and wire rating, receptacle hub size	16A - 1 Wire 12 AWG 75°C	16A - 2 Wires 12 AWG 75°C or 90°C	3/4" NPT
	32A- 1 Wire 8 AWG 75°C	32A- 2 Wires 8 AWG 75°C or 90°C	1" NPT
	63A- 1 Wire 6 AWG 75°C	63A- 2 Wires 2 AWG 90°C1-1/2"	1-1/2" NPT
	125A-1 Wire 1 AWG 75°C	125A-2 Wires 3/0 AWG 90°C	2" NPT
Operating temperature range	-40°C to 40°C	-40°C to 40°C	
Housing material	Polyamide	Fiber reinforced polyester	

PLUG DUST CAP

FOR PLUG TYPE	CATALOG NUMBER
VSI16P3__	VSI16907140
VSI16P4__	VSI16906140
VSI16P5__	VSI16905140
VSI32P4__	VSI32903140
VSI32P5__	VSI32902140
VSI63P4__	VSI63801140
VSI63P5__	VSI63801140
VSI125P4__	VSI125801140
VSI125P5__	VSI125801140

Dust cap shall be installed on the plug when the plug is not engaged in the receptacle.

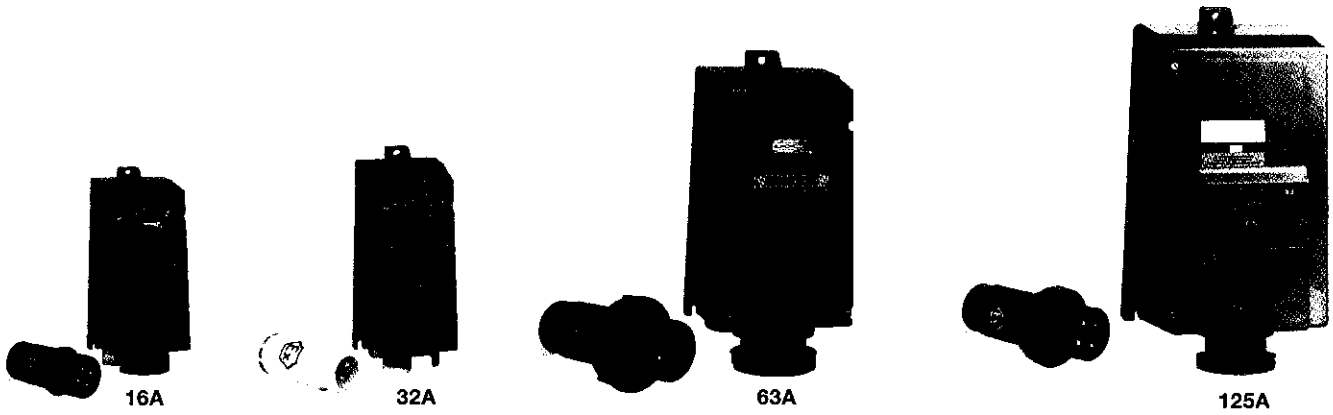
**16A, 32A are Type 3/IP54 at the receptacle flap.*

NOTE: Receptacle must be protected by Class "J" fuse upstream, 20A max. for 16A receptacle, 40A max. for 32A receptacle, 100A max. for 63A receptacle. 200A max. for 125A receptacle.

VSI non-metallic devices NOT intermateable with VersaMate® NEC metallic series.

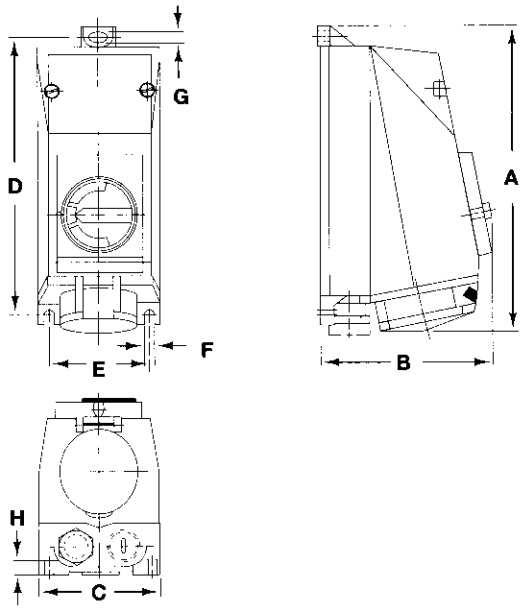
① *FM approved for Class II, Div. 1&2, EFG. CSA for Class II, Div. 2, FG.*

HUBBELL®
KILLARK®

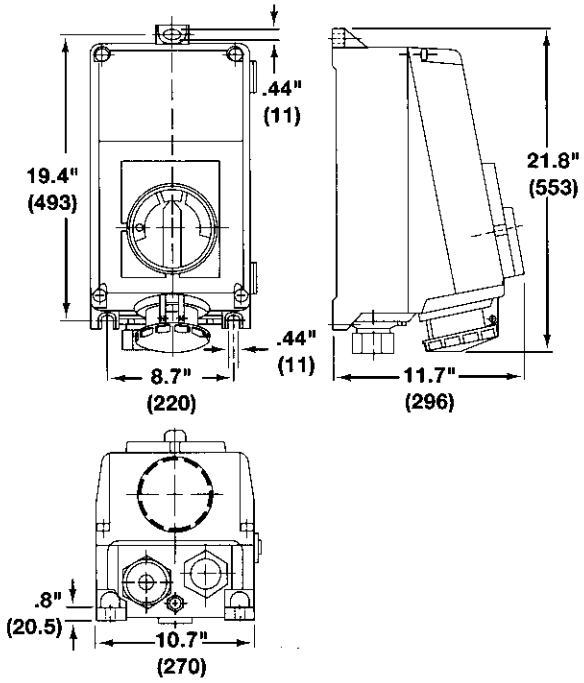


DIMENSIONS

16A, 32A and 63A Series Receptacles



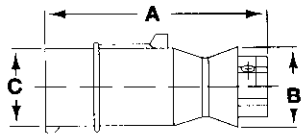
125A Series Receptacles



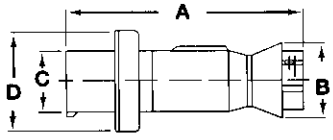
16A, 32A, 63A RECEPTACLES								
RECEPTACLE	A	B	C	D	E	F	G	H
VSI16R___-(16A)	10.1" (256)	5.7" (145)	3.9" (100)	9.1" (232)	3.3" (84)	.28" (7)	.28" (7)	.44" (11)
VSI32R___-(32A)	12" (306)	6.5" (164)	4.7" (120)	10.6" (270)	3.9" (100)	.28" (7)	.28" (7)	.44" (11)
VSI63R___-(63A)	16" (407)	8.4" (212)	7.1" (180)	13.5" (342)	6" (152)	.35" (9)	.35" (9)	.51" (13)

Plugs

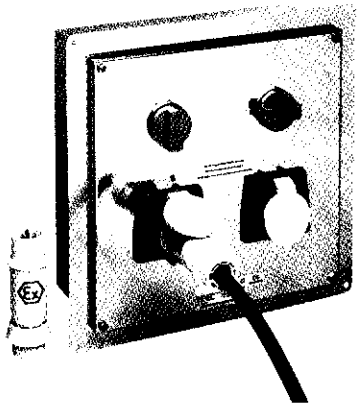
16A
32A



63A
125A



16A, 32A, 63A, 125A PLUGS				
PLUG	A	B	C	D
VSI16P3 __(16A)	6.3" (159)	2.3" (58.5)	1.7" (43.5)	NA
VSI16P4 __(16A)	6.3" (159)	2.3" (58.5)	1.9" (49)	NA
VSI16P5 __(16A)	6.3" (159)	2.3" (58.5)	2.2" (56)	NA
VSI32P4 __(32A)	7.0" (179)	2.7" (68)	2.2" (56)	NA
VSI32P5 __(32A)	7.0" (179)	2.7" (68)	2.5" (63.4)	NA
VSI63P4 __(63A)	10.2" (260)	3.3" (84)	2.7" (69.5)	4.4" (112)
VSI63P5 __(63A)	10.2" (260)	3.3" (84)	2.7" (69.5)	4.4" (112)
VSI125P4 __(125A)	12.1" (309)	3.8" (96)	3.2" (81.5)	4.9" (125)
VSI125P5 __(125A)	12.1" (309)	3.8" (96)	3.2" (81.5)	4.9" (125)



Duplex Receptacle

Suitable for:

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3
CENELEC-EEx de IIC T6 IP54

Ex PTB No. Ex-96.D.3148

FEATURES-SPECIFICATIONS

VersaMATE®

Applications

- Designed specifically for hazardous location clean rooms, such as found in the pharmaceutical industry, where equipment must be easy to clean and free of contaminant holding cavities. Electrical devices should also be flush wall mounted, with concealed wiring, to minimize contamination.
- When VCR series is installed in Class II Div. 1 and 2 locations, dust caps for plugs are required. See plug dust cap ordering information on page PR16.

Features

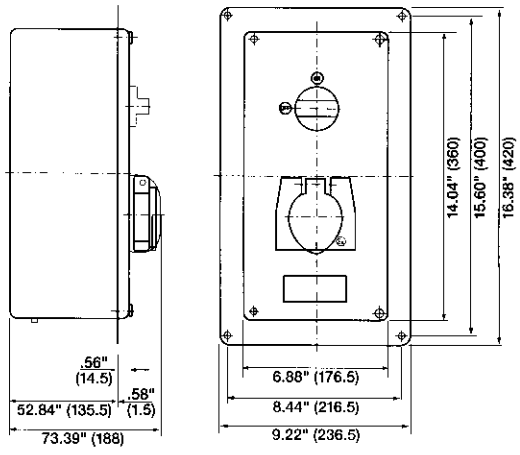
- Available with single or duplex receptacles, in 16 or 32 amps with a variety of voltage and pin configurations
- Flush mounting, smooth contours for easy cleaning
- Hazardous locations suitability
- Enclosure made of stainless steel with concealed EPDM gasketing
- Color coding and pin configuration makes it physically impossible to mate plugs and receptacles of different voltages and current ratings (per IEC 309-2)
- Interlocked switch mechanism prevents accidental removal of plug from receptacle under load
- Disconnect switch includes auxiliary contact for indicating control circuits

VCR SERIES CLEANROOM RECEPTACLES

DESCRIPTION		CATALOG NUMBER			
	AC VOLTAGE AND COLOR CODE	16 AMP		32 AMP	
		RECEPTACLE①	PLUG	RECEPTACLE①	PLUG
2 Pole 3 Wire	125 Yellow	VCR16R304	VSI16P304	—	—
	250 Blue	VCR16R306	VSI16P306	—	—
	480 Red	VCR16R307	VSI16P307	—	—
3 Pole 4 Wire	3 Ø 250 Blue	VCR16R409	VSI16P409	VCR32R409	VSI32P409
	3 Ø 480 Red	VCR16R407	VSI16P407	VCR32R407	VSI32P407
	3 Ø 600 Black	VCR16R405	VSI16P405	VCR32R405	VSI32P405
4 Pole 5 Wire	3 ØY 120/208 Blue	VCR16R509	VSI16P509	VCR32R509	VSI32P509
	3 ØY 277/480 Red	VCR16R507	VSI16P507	VCR32R507	VSI32P507
	3 ØY 347/600 Black	VCR16R505	VSI16P505	VCR32R505	VSI32P505

① *VCR catalog numbers shown in table are for* **SINGLE** *receptacles. For duplex units, add second receptacle configuration to catalog number.*
Example: **VCR32R409-16R304**
Right Receptacle Position
Left Receptacle Position

NOTE: Receptacle must be protected by Class "J" fuse upstream, 20A max. for 16A receptacle, 40A max. for 32A receptacle.
VCR non-metallic plugs NOT intermateable with VersaMate® NEC metallic series.



Single/Duplex Receptacle Profile

Single Receptacle

Duplex Receptacle

HUBBELL
KILLARK®

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, IIB,IIA
NEMA 7 (C,D)
UL Listed E23572
CSA Certified LR14667①

FEATURES-SPECIFICATIONS

Applications
KR Series plugs and receptacles are suitable:

- In hazardous locations due to the presence of flammable vapors or gases
- Where a heavy duty plug and receptacle is necessary
- Where a connection is required for portable or movable equipment such as tools, motors, hand lights, etc.
- KP series plugs use solder terminations for sure connection
- KR series receptacles use wire leads for termination

Features
- Factory sealed receptacles
- Copper free aluminum
- Straight or angle type receptacles
- Delayed action contacts (See Time Delay Inset)
- Plugs with a wide range of grommet openings
- Extra long grounding pole makes contact first and breaks contact last
- Heavy duty construction to withstand rough and constant usage

Selection
Refer to page headings for suitability of specific items. When selecting a Killark device consider the following:

(A) Installation area (Hazardous or Weather-Resistant)
(B) Amperage
(C) Voltage
(D) Electrical Rating (see below)
(E) Grounding
(G) Modifications (see right)
(H) Mounting arrangement
(I) Box and hub type
(J) Cord diameter

Details of Safety Time Delay Feature
The key slot provided in the receptacle engages the key of the plug permitting entrance of the plug in the receptacle in only one position. See steps 1-4.

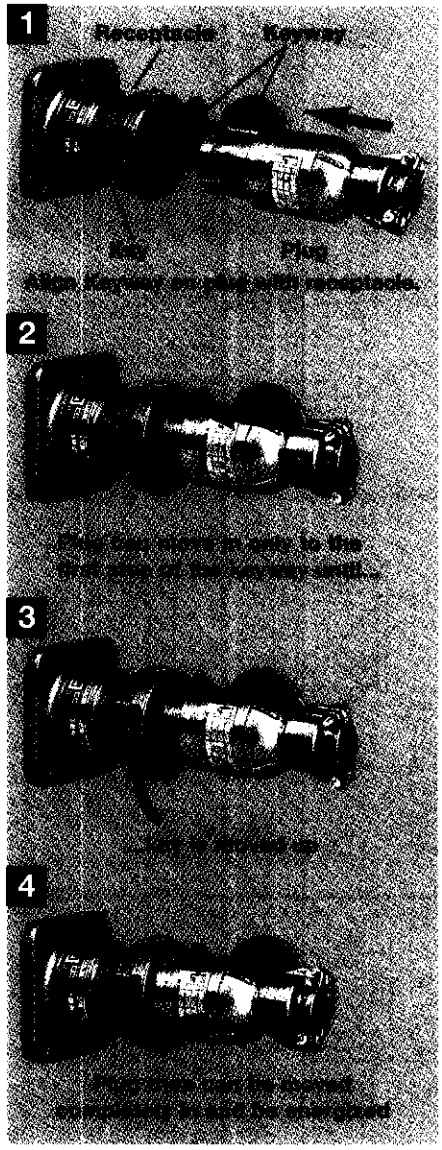
The contacts are enclosed in long accurate insulating cavities. It is in these cavities that the arcs are extinguished. All contacts are made through round tellurium copper tubing which is extra heavy to withstand arcing as required on the various ampere ratings.

Both plugs and receptacles are equipped with an extra long grounding pole which establishes grounding before the power contacts are engaged. These grounding poles are also the last to break contact. This assures bonding of the portable device to the electrical conduit system.

Selection
Modifications are available by adding the following suffix to the catalog number. (Note: It must be added to both the plug and the receptacle so they will mate.)

MODIFICATIONS	
CATALOG NUMBER	DESCRIPTION
SU37	Interior contact assemblies are to be rotated 22-1/2° to the right.
SU38	Interior contact assemblies are to be rotated 22-1/2° to the left.

Safety Time Delay Feature



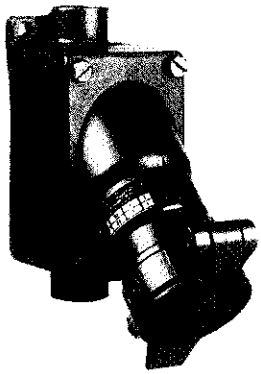
ELECTRICAL RATINGS					
TYPE	AMPERAGE	VOLTAGE	CIRCUIT	H.P.	HERTZ
①20 AMP	20	115/230	2W3P	1	60
30 AMP	7	460	2W3P	1/2	60
	7	460	3W4P	1	60
	30	115/230	2W3P	1-1/2	60
	30	115/230	3W4P	3	60
60 AMP	30	460	2W3P	3	60
	30	460	3W4P	5	60
	60	115/230	2W3P	5	60
	60	115/230	3W4P	5	60

① *CSA approval on 20 Amp only.*

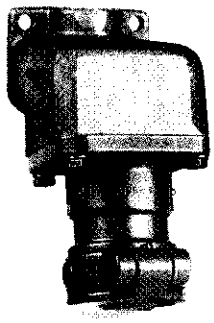
PR

HUBBELL
KILLARK

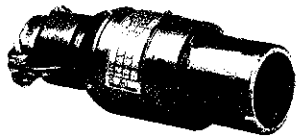
KR SERIES • PLUGS AND RECEPTACLES
20 AMP 115/230 V.A.C. 1Ø 2 WIRE, 3 POLE



KRS Series



KRA



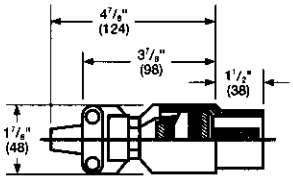
Plug

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, IIB,IIA
NEMA 7 (C,D)

Listed File No. E23572

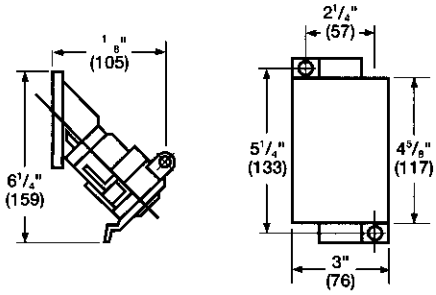
Certified File No. LR14667

FEATURES-SPECIFICATIONS



KP 20 AMP PLUG	
CATALOG NO.	DESCRIPTION
KP-20ABC	Plug furnished with 3 grommets range .250 - .625

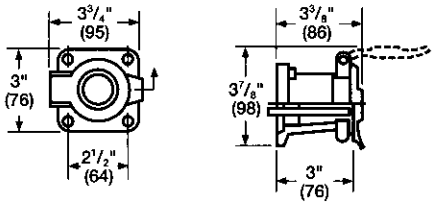
See page PR19 for available polarization options.



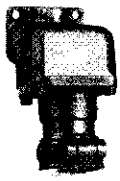
KRS-Series

KRS 20A 1Ø 2W 3Ø RECEPTACLE WITH SWB BOX②								
HUB SIZE	CATALOG NUMBER							
	SINGLE RECEPTACLE & DEAD END BOX	BOX ONLY	SINGLE RECEPTACLE & FEED-THRU BOX	BOX ONLY	DOUBLE RECEPTACLE & DEAD END BOX	BOX ONLY	DOUBLE RECEPTACLE & FEED-THRU BOX	BOX ONLY
½"	KRS-215-120	SWB-1	KRS-218-120	SWB-4	2KRS-215-120	SWB-7	2KRS-218-120	SWB-10
¾"	KRS-215-220	SWB-2	KRS-218-220	SWB-5	2KRS-215-220	SWB-8	2KRS-218-220	SWB-11
1"	KRS-215-320	SWB-3	KRS-218-320	SWB-6	2KRS-215-320	SWB-9	2KRS-218-320	SWB-12
RECEPTACLE ONLY - CATALOG NUMBER KRS-20								

① *KRS Series receptacles - Class I, Group D.*
② *SWB Series mounting splice boxes only for receptacles shown above listed on page C33.*
See page PR19 for available polarization options.

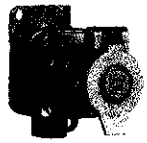


KRJ-Series



AJC

AJT



JLC

JLX

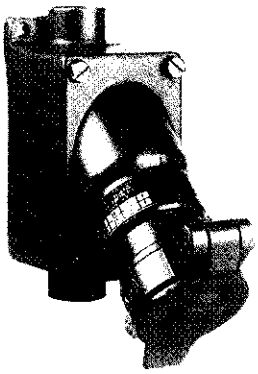
KRJ RECEPTACLE WITH AJ OR JL BOX				
HUB SIZE	CATALOG NUMBER			
	AJC	AJT	JLC	JLX
½"	—	—	KRJC-120	KRJX-120
¾"	KRAJC-220	KRAJT-220	KRJC-220	KRJX-220
1"	KRAJC-320	KRAJT-320	—	—
BACK BOX ONLY				
½"	—	—	JLC-1	JLX-1
¾"	AJC-2	AJT-2	JLC-2	JLX-2
1"	AJC-3	AJT-3	—	—
RECEPTACLE ONLY - CATALOG NUMBER KRJ-20				

JL Series boxes shown on page F58. Refer to page headings for suitability of specific items.
See page PR19 for available polarization options.

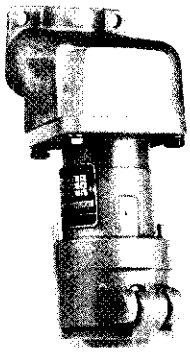
ELECTRICAL RATING	
CIRCUIT	RATING (60 HERTZ)
1Ø 2W3P	20 AMPS 115/230 V.A.C. 1 H.P.

HUBBELL
KILLARK®

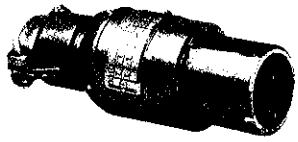
KRS/KRJ SERIES PLUG



KRS Series



KRA Series

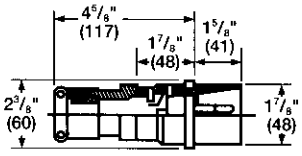


Plug

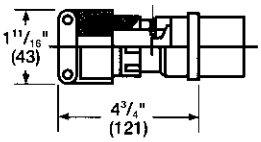
Class I, Div. 1 & 2, Groups C,D ①
Class I, Zones 1 & 2, IIB, IIA
NEMA 7 (C,D)

Ⓤ Listed - File E23572
See files for details or call Killark.

FEATURES-SPECIFICATIONS



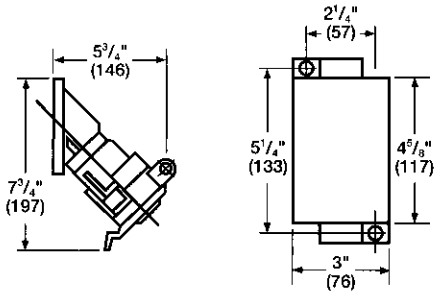
D Type



E Type

KP 30 AMP PLUG			
CATALOG NUMBER		PLUG TYPE	GROMMET RANGE
1Ø, 2-WIRE, 3-POLE	3Ø, 3-WIRE 4-POLE		
KP-303D23	KP-304D23	D	.375-.625
KP-303D45	KP-304D45	D	.625-.875
KP-303E45	KP-304E45	E	.875-1.125
KP-303E67	KP-304E67	E	1.125-1.375

See page PR19 for available polarization options.

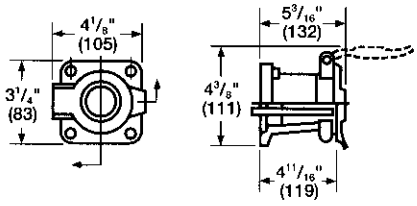


KRS-Series

KRS RECEPTACLE WITH SWB BOX②								
HUB SIZE	CATALOG NUMBER - SINGLE GANG ONLY							
	1Ø, 2-WIRE, 3-POLE DEAD END BOX	BOX ONLY	1Ø, 2-WIRE, 3-POLE FEED THRU BOX	BOX ONLY	3Ø, 3-WIRE, 4-POLE DEAD END BOX	BOX ONLY	3Ø, 3-WIRE, 4-POLE FEED THRU BOX	BOX ONLY
½"	KRS-215-1303	SWB-1	KRS-218-1303	SWB-4	KRS-215-1304	SWB-1	KRS-218-1304	SWB-4
¾"	KRS-215-2303	SWB-2	KRS-218-2303	SWB-5	KRS-215-2304	SWB-2	KRS-218-2304	SWB-5
1"	KRS-215-3303	SWB-3	KRS-218-3303	SWB-6	KRS-215-3304	SWB-3	KRS-218-3304	SWB-6
RECEPTACLE ONLY	KRS-303				KRS-304			

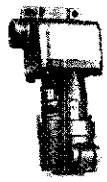
① *KRS Series receptacles - Class I, Group D.*
② *SWB Series mounting splice boxes for receptacles shown above listed on page C33.*
See page PR19 for available polarization options.

PR



KRJ-Series

AJC



AJT

JLC

JLX

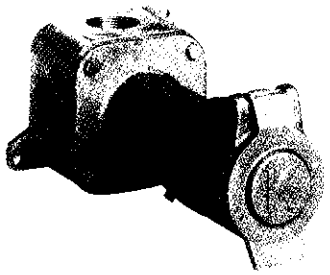
ELECTRICAL RATING	
CIRCUIT	RATING (60 HERTZ)
1 Ø 2-Wire 3-Pole	7 Amps 460 V.A.C. 1/2 H.P. – OR – 30 Amps 115/230 V.A.C. 1-1/2 H.P.
3 Ø 3-Wire 4-Pole	7 Amps 460 V.A.C. 1 H.P. – OR – 30 Amps 115/230 V.A.C. 3 H.P.

KRJ RECEPTACLE WITH AJ OR JL BOX					
CIRCUIT	HUB SIZE	CATALOG NUMBER			
		AJC	AJT	JLC	JLX
1Ø 2-Wire 3-Pole	½"	—	—	KRJC-1303	KRJX-1303
	¾"	KRAJC-2303	KRAJT-2303	KRJC-2303	KRJX-2303
	1"	KRAJC-3303	KRAJT-3303	—	—
RECEPTACLE ONLY- CATALOG NUMBER KRJ-303					
3Ø 3-Wire 4-Pole	½"	—	—	KRJC-1304	KRJX-1304
	¾"	KRAJC-2304	KRAJT-2304	KRJC-2304	KRJX-2304
	1"	KRAJC-3304	KRAJT-3304	KRJC-3304	KRJX-3304
RECEPTACLE ONLY- CATALOG NUMBER KRJ-304					
Back Box Only	½"	—	—	JLC-1	JLX-1
	¾"	AJC-2	AJT-2	JLC-2	JLX-2
	1"	AJC-3	AJT-3	—	—

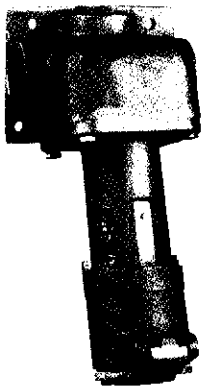
JL Series boxes shown on page F58. Refer to page headings for suitability of specific items.
See page PR19 for available polarization options.

HUBBELL®
KILLARK®

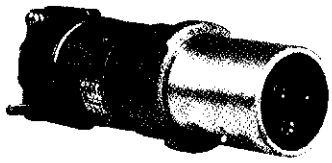
KR SERIES • PLUGS AND RECEPTACLES
60 AMP/115/230/480 V.A.C. • 30 AMP/460 V.A.C.



KRJ Series



KRA Series

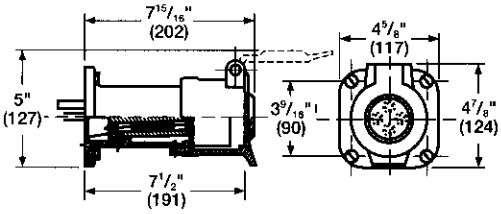


Plug

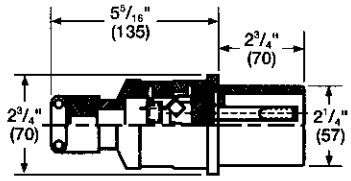
Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, IIB,IIA
NEMA 7 (C,D)

UL Listed File No. E23572

FEATURES-SPECIFICATIONS



KRJ-60 Type Receptacles

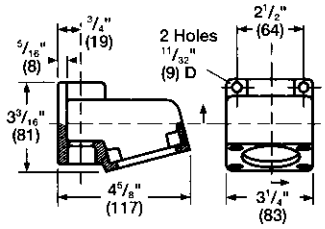


KP Type Plugs

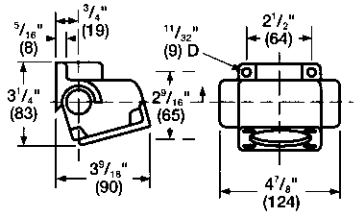
KR 30 AMP PLUGS		
CATALOG NUMBER		GROMMET RANGE
1Ø, 2-WIRE, 3-POLE	3Ø, 3-WIRE 4-POLE	
KP-603D345	KP-604D345	.500-.875
KP-603E45	KP-604E45	.875-1.125
KP-603E67	KP-604E67	1.125-1.375
—	KP-604F34	1.250-1.500
—	KP-604F56	1.500-1.750

See page PR19 for available polarization options.

Dimensions-Back Boxes



AJAE & AJAC Types



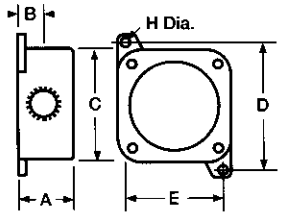
AJAT Type

KR RECEPTACLE ASSEMBLIES					
HUB SIZE	BOX STYLE	HUB STYLE	CATALOG NUMBER 1Ø, 2-WIRE 3-POLE	CATALOG NUMBER 3Ø, 3-WIRE 4-POLE	CATALOG NUMBER SPLICE BOX ONLY
1"	JAL Series Boxes	"X"-3 Close-up Plugs Supplied	KRJX-3603	KRJX-3604	JALX-3
1-1/4"			KRJX-4603	KRJX-4604	JALX-4
			—	—	—
1-1/4"	AJA Series Boxes	Feed Thru Top and Bottom	KRAJAC-4603	KRAJAC-4604	AJAC-4
1-1/2"			KRAJAC-5603	KRAJAC-5604	AJAC-5
2"			KRAJAC-6603	KRAJAC-6604	AJAC-6
1-1/4"		T Sides and Top	KRAJAT-4603	KRAJAT-4604	AJAT-4
1-1/2"			KRAJAT-5603	KRAJAT-5604	AJAT-5
RECEPTACLE ONLY			KRJ-603	KRJ-604	—

NOTE: For dead end box, use AJAC Series and CUP Series close-up plug.

See page PR19 for available polarization options.

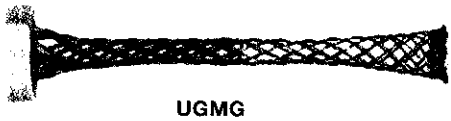
ELECTRICAL RATING	
CIRCUIT	RATING (60 HERTZ)
1 Ø 2-Wire 3-Pole	30 Amps 460 V.A.C. 3 H.P. – OR – 60 Amps 115/230 V.A.C. 3 H.P.
3 Ø 3-Wire 4-Pole	30 Amps 460 V.A.C. 5 H.P. – OR – 60 Amps 115/230 V.A.C. 5 H.P.



JAL Type

JAL TYPE MOUNTING BOXES						
HUB	A	B	C	D	E	H
1"	2-3/8"	1-5/32"	4-5/8"	5-1/4"	4-1/8"	5/16"
1-1/4"	3-1/8"	1-17/32"	4-5/8"	5-1/4"	4-1/8"	5/16"

HUBBELL
KILLARK



UGMG

Plug

Class I, Div. 1 & 2, Groups B②,C,D
Class I, Zones 1 & 2, Groups IIB+H_2, IIA
Class II, Div. 1 & 2, Groups F,G
Class III
NEMA 3, 7 (B,C,D), 9 (F,G)

UL Listed File No. E91049 and/or E53660

CSA Certified File No. LR14667

FEATURES-SPECIFICATIONS

ACCEPTOR®

The ACCEPTOR® UGP/UGR Plug and Receptacle system, with its unique design, is interchangeable① with other NEMA bladed type explosion-proof and dust ignition proof devices. The series has been tested and classified for use with Crouse-Hinds® Ark-Gard®2 and Appleton® U-Line® plugs and receptacles in hazardous locations. **Now available in GFCI version. See page PR26.**

How The Acceptor System Works

ACCEPTOR receptacles contain an intregal switch which must be closed to energize the circuit. The design permits only an approved plug to be energized. To actuate the switch, the plug must be inserted and rotated clockwise approximately 45°. The plug will lock into this position preventing accidental disengagement. To remove, simply turn the plug counterclockwise and pull straight out.

Plugs and receptacles may be used where interchangeable bladed devices are needed in locations made hazardous by the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers and flyings.

Plug can serve to provide power for portable equipment used in both hazardous and non-hazardous areas.

Applications

- Petroleum Refineries
- Chemical Plants
- Wet/Damp Areas
- Corrosive Environments
- Petroleum Plants
- Grain Elevators
- Flour and Feed Mills
- Indoor or Outdoor Locations

Features

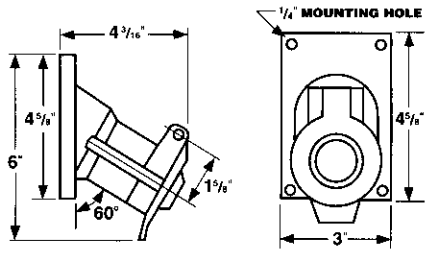
- All external hardware is 316 stainless steel to provide low maintenance and long life
- Factory sealed chamber in UGR receptacle contains switch's arcing components
- No additional external seals are required, except in Group B applications

① *Exact models classified for interchangeability are listed in the information sheet provided with the products.*

Ark-Gard® is a registered trademark of Crouse-Hinds®.

U-Line® is a registered trademark of Appleton Electric Company®.

- Receptacles are U.L. Listed as raintight. Proper sealing against moisture is assured
- Spring loaded receptacle cover closes when plug is removed to provide protection when not in use
- Copper-free aluminum (less than 4/10 of 1%) alloy resists corrosion
- Electrostatically applied and baked powder epoxy/polyester finish

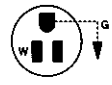
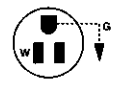
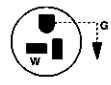


PR

PLUG

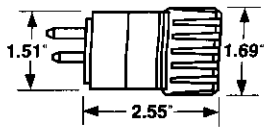
ACCEPTOR® plugs conform to NEMA configurations and can be used with standard receptacles in non-hazardous areas to maximize equipment utilization. The system's "turn to engage" feature locks in plug and can be used to prevent accidental disengagement of critical equipment.

Plugs for use with type S, SO, ST or STO heavy duty cord.

VOLTAGE	NEMA CONFIGURATION	CATALOG NUMBER		NEMA CONFIGURATION	CATALOG NUMBER	
		15 AMP PLUG	15 AMP PLUG W/MESH GRIP		20 AMP PLUG	20 AMP PLUG W/MESH GRIP
125VAC	 5-15P	UGP-15231	UGP-15231MG	5-20P	UGP-20231	UGP-20231MG
250VAC	 5-15P	UGP-15232	UGP-15232MG	 5-20P	UGP-20232	UGP-20232MG

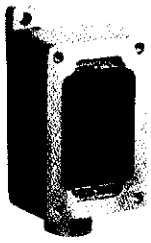
② *Plugs Rated Group B when used with properly rated & installed receptacles. See next page.*

Plugs with mesh grips (page PR25) are shipped as component plug and grip.

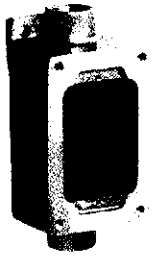


HUBBELL
KILLARK®

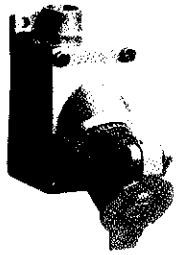
ACCEPTOR® SERIES • PLUGS AND RECEPTACLES
UGR INTERCHANGEABLE BLADE STYLE



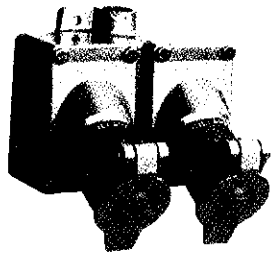
SWB-1, 2, 3



SWB-4, 5, 6



Single Gang



Double Gang

RECEPTACLES AND ASSEMBLIES④

NEMA RATING & CONFIGURATION	ENCLOSURE STYLE	HUB SIZE	SINGLE GANG GROUPS C, D, F, & G②④	DOUBLE GANG GROUPS C D, F, & G③④	SINGLE GANG GROUPS B①②, C, D, F & G
20 Amp 125 Volt 2 POLE 3 WIRE 5-20R	RECEPTACLE ONLY	—	UGRO-20231	UGRO-20231	—
	DEAD END	1/2"	UGR1-20231	UGR7-20231	UGRB1-20231
		3/4"	UGR2-20231	UGR8-20231	UGRB2-20231
		1"	UGR3-20231	UGR9-20231	UGRB3-20231
	FEED-THRU	1/2"	UGR4-20231	UGR10-20231	UGRB4-20231
		3/4"	UGR5-20231	UGR11-20231	UGRB5-20231
		1"	UGR6-20231	UGR12-20231	UGRB6-20231
15 Amp 125 Volt 2 POLE 3 WIRE 5-15R	RECEPTACLE ONLY	—	UGROC-15231	UGROC-15231	—
	DEAD END	1/2"	UGR1C-15231	UGR7C-15231	UGRB1C-15231
		3/4"	UGR2C-15231	UGR8C-15231	UGRB2C-15231
		1"	UGR3C-15231	UGR9C-15231	UGRB3C-15231
	FEED-THRU	1/2"	UGR4C-15231	UGR10C-15231	UGRB4C-15231
		3/4"	UGR5C-15231	UGR11C-15231	UGRB5C-15231
		1"	UGR6C-15231	UGR12C-15231	UGRB6C-15231
20 Amp 125 Volt 2 POLE 3 WIRE 5-20R	RECEPTACLE ONLY	—	UGROC-20231	UGROC-20231	—
	DEAD END	1/2"	UGR1C-20231	UGR7C-20231	UGRB1C-20231
		3/4"	UGR2C-20231	UGR8C-20231	UGRB2C-20231
		1"	UGR3C-20231	UGR9C-20231	UGRB3C-20231
	FEED-THRU	1/2"	UGR4C-20231	UGR10C-20231	UGRB4C-20231
		3/4"	UGR5C-20231	UGR11C-20231	UGRB5C-20231
		1"	UGR6C-20231	UGR12C-20231	UGRB6C-20231
20 Amp 250 Volt 2 POLE 3 WIRE 6-20R	RECEPTACLE ONLY	—	UGRO-20232	UGRO-20232	—
	DEAD END	1/2"	UGR1-20232	UGR7-20232	UGRB1-20232
		3/4"	UGR2-20232	UGR8-20232	UGRB2-20232
		1"	UGR3-20232	UGR9-20232	UGRB3-20232
	FEED-THRU	1/2"	UGR4-20232	UGR10-20232	UGRB4-20232
		3/4"	UGR5-20232	UGR11-20232	UGRB5-20232
		1"	UGR6-20232	UGR12-20232	UGRB6-20232
15 Amp 250 Volt 2 POLE 3 WIRE 6-15R	RECEPTACLE ONLY	—	UGROC-15232	UGROC-15232	—
	DEAD END	1/2"	UGR1C-15232	UGR7C-15232	UGRB1C-15232
		3/4"	UGR2C-15232	UGR8C-15232	UGRB2C-15232
		1"	UGR3C-15232	UGR9C-15232	UGRB3C-15232
	FEED-THRU	1/2"	UGR4C-15232	UGR10C-15232	UGRB4C-15232
		3/4"	UGR5C-15232	UGR11C-15232	UGRB5C-15232
		1"	UGR6C-15232	UGR12C-15232	UGRB6C-15232
20 Amp 250 Volt 2 POLE 3 WIRE 6-20R	RECEPTACLE ONLY	—	UGROC-20232	UGROC-20232	—
	DEAD END	1/2"	UGR1C-20232	UGR7C-20232	UGRB1C-20232
		3/4"	UGR2C-20232	UGR8C-20232	UGRB2C-20232
		1"	UGR3C-20232	UGR9C-20232	UGRB3C-20232
	FEED-THRU	1/2"	UGR4C-20232	UGR10C-20232	UGRB4C-20232
		3/4"	UGR5C-20232	UGR11C-20232	UGRB5C-20232
		1"	UGR6C-20232	UGR12C-20232	UGRB6C-20232

① Items in this column are suitable for Class I, Group B in addition to Class I, Groups C, D. Also suitable for Class I, Zone 1, Groups IIB+H2, IIA.

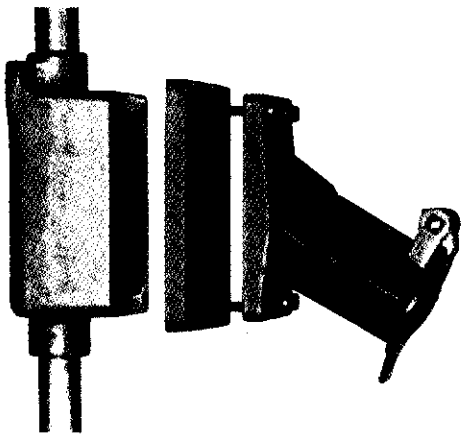
② Seals must be installed within 6 inches of conduit opening.

③ Items in this column may also be used in Class I, Zone 1, Groups IIB, IIA.

④ Assembly numbers not rated for Group B are shipped as receptacle & back box components. Refer to Killark Product Catalog page C33 for additional SWB Series Back Box configurations.

HUBBELL®
KILLARK®

NOTE: Canadian Codes require receptacles to have separate configurations for 15 and 20 amp devices — no "T" combination slots. Special plugs are not required. Canadian devices are only available through Hubbell Canada, Inc. and its authorized distributors.



UGRA

UGMG

XHL

XHLF

FEATURES-SPECIFICATIONS

UNIVERSAL ADAPTER KIT

ACCEPTOR® receptacles are available with an adapter kit for mounting to Crouse-Hinds® EDS Series or Appleton® EFD Series back boxes.

ACCEPTOR receptacles properly installed with these adapter kits are U.L. Listed for use in Class I, Div. 2, Groups B,C,D hazardous locations and Zone II, Groups IIB + H2, IIA.

Kit contains one ACCEPTOR® receptacle plus adapter plate and mounting bolts.

UGRA ADAPTER KIT	
NEMA RATING & CONFIGURATION	ADAPTER KIT CATALOG NUMBER
20 Amp 125 Volt 2 POLE 3 WIRE **5-20R**	UGRA-20231
20 Amp 250 Volt 2 POLE 3 WIRE **6-20R**	UGRA-20232

UL Listed File No. E91049

OPTIONAL STRAIN RELIEF GRIP FOR UGP PLUGS

Kellems® Wire Mesh Grips have been specially engineered as an optional attachment for cable strain relief or bend-control. These grips are double weaved in stainless steel for exceptional strength and durability.

CATALOG NUMBER	DESCRIPTION
UGMG	Mesh grip

XHL SERIES HAND LAMPS

PR

XHL Series Hand Lamps are a handy accessory to the ACCEPTOR® Series. Used as a supplemental illumination source for areas where flammable materials are present such as processed finished goods, storage vats, or handling areas.

Features XHL Incandescent

- Phenolic handle for long service in rugged conditions
- Aluminum guard
- Heat and impact resistant globe
- Supplied with an A-21 100 Watt (100A/RS) Rough Service lamp
- Supplied with 2 grommets for use with either 14/3 or 16/3 user furnished SO cable

CATALOG NUMBER	DESCRIPTION
XHL-100	Handlamp
XHL-GL	Replacement globe
XHLG	Replacement guard
XHLS	Replacement socket

XHL Incandescent
Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA

UL Listed File No. E97760

CSA Certified File No. LR10019

Features XHLF Fluorescent

- No exposed metal parts
- Furnished with 26 watt 1800 Lumen fluorescent lamp and light shield
- Supplied with grommet for use with 16/3 user furnished SO cable

CATALOG NUMBER	DESCRIPTION
XHLF26	Fluorescent hand lamp
XHLF26-50KP	Fluorescent hand lamp with 50' of 16/3 SOW cord and 15A Acceptor plug

XHLF Fluorescent
Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G

UL UL Listed File No. E97760

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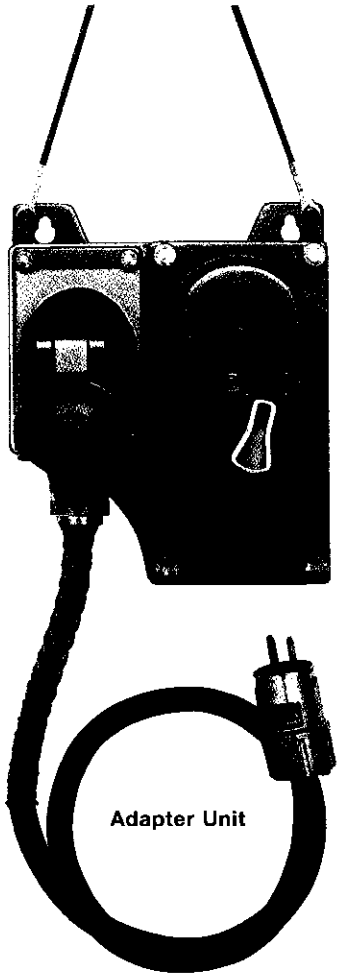


ACCEPTOR® UGFI

GROUND FAULT PROTECTOR

- Adapter Unit
  Class I, Div. 2, Groups B,C,D
  Class I, Zone 2, Groups IIB+H_2, IIA
  Class II, Div. 1 & 2, Groups F,G
  Class III, Div. 1 & 2
- Hard-Wired Unit
  Class I, Div. 1 & 2, Groups B①,C,D
  Class I, Zones 1 & 2, Groups IIB+ H_2, IIA

NEMA ENCLOSURE TYPE 3
(Adapter or Hard-Wired units)

UL Listed File No. E91049

CSA Certified File No. LR14667

The GFCI protected ACCEPTOR® is the solution to OSHA's requirements for GFCI protection when using portable equipment in hazardous and wet locations. For use with 120 volt 15 or 20 amp receptacles without GFCI protection, the **Adapter Unit** provides GFCI and circuit protection to connected apparatus by simply being plugged into an existing receptacle.

The **Hard-Wired Unit** provides the same protection and is used directly as a GFCI protected device. Units are feed-through with one close-up plug.

FEATURES-SPECIFICATIONS

Adapter Unit
- No need to permanently alter existing installations; **Portable Unit** can be temporarily hung using included strap near an existing receptacle wherever protection is required
- Factory Sealed Unit
- Acceptor® plug and cord set included with **Adapter Unit**. Cord is 36"

Hard-Wired Unit
- provides GFCI and circuit protection in new installations, or as an upgrade or replacement for non-GFCI receptacles
- Factory Sealed, except Group B①

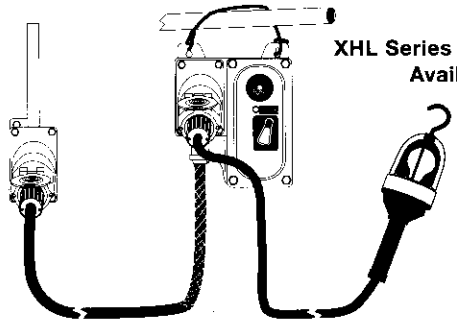
Adapter and Hard-Wired Unit
- GFCI device also provides circuit protection, for connected apparatus, against current overload and short circuits
- Acceptor® receptacles and plugs are interchangeable with both Crouse-Hinds® Ark-Gard®2 and Appleton® U-Line® products②
- Large pilot light provides easy to see indicator of current flow to the receptacle
- Units can be Padlocked **OFF** for maintained safety
- Fully gasketed GFCI compartment prevents moisture from damaging electronic components
- Same high quality materials as the standard ACCEPTOR®

① *Hard-Wired assemblies in Group B areas require sealing within 6" of enclosure.*
② *Exact models classified for interchangeability are listed in the information sheet provided with the products.*

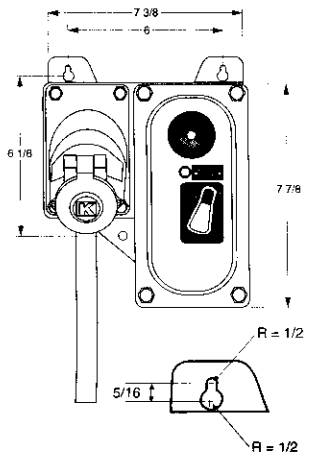
Ark-Gard® is a registered trademark of Crouse-Hinds®.
U-Line® is a registered trademark of Appleton Electric Company®.

GFCI RECEPTACLE ADAPTER (W/CORD SET)		
	U.S.A.	CANADIAN
20 amps	UGFI20AD	UGFI20AD-C
15 amps	UGFI15AD	UGFI15AD-C

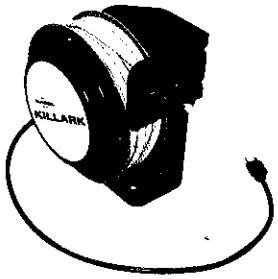
HARD-WIRED (PERMANENTLY MOUNTED) GFCI RECEPTACLE			
HUB SIZE	AMPS	U.S.A. FEED-THRU	CANADIAN FEED-THRU
1/2"	20 amps	UGFI20C1	UGFI20C1-C
3/4"	20 amps	UGFI20C2	UGFI20C2-C
1"	20 amps	UGFI20C3	UGFI20C3-C
1/2"	15 amps	UGFI15C1	UGFI15C1-C
3/4"	15 amps	UGFI15C2	UGFI15C2-C
1"	15 amps	UGFI15C3	UGFI15C3-C

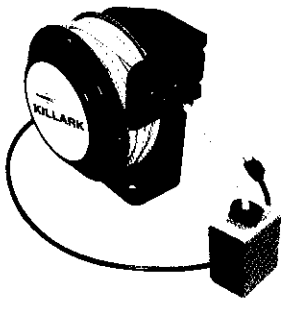


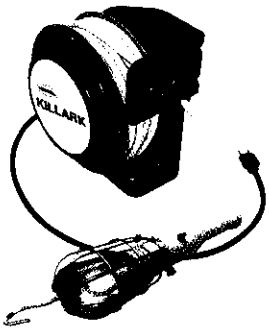
Hard-Wired Unit



HUBBELL® KILLARK®


CRC with Wire Leads


CRC with Outlet Box


CRC with Handlamp

Ceiling Bracket–standard with All Models

NEMA 1
Slip Ring Enclosure

UL File No. E196197

SP

FEATURES-SPECIFICATIONS

Applications

CRC Series Compact Reels are ideal for a wide variety of applications, and include spring rewind and ratchet lock. Operator simply pulls cord off spool...the ratchet lock maintains desired cable length. When the task is completed, a light pull on the cable releases the ratchet allowing the spring mechanism to rewind the cable. All reels are constructed with UL recognized components.

Features

- Yellow type SJOW-A cord included (300V rated)
- Rugged steel construction with black polyester baked-on finish
- Cords to 25' long
- Cord stop included
- Spring rewind
- Ratchet lock with disengage
- Choice of wire leads only, duplex outlet box with receptacle, or incandescent hand lamp (receptacle or hand lamp is customer installed)
- Mounts under workbench or hangs from wall or ceiling (ceiling bracket included)
- Prelubricated bearings and springs require no periodic maintenance
- Includes 4' pigtail & 125V plug①
- Constructed with UL listed components

CRC CORD REEL WITH WIRE LEADS				
CATALOG NUMBER	AMPERAGE PER CONDUCTOR	AWG	NUMBER OF CONDUCTORS	LENGTH FT. (METERS)
CRC-16325-WL	10 Amp	16	3	25'(7.5)
CRC-14325-WL	15 Amp	14	3	25'(7.5)
CRC-12320-WL	20 Amp	12	3	20'(6.0)

Note: Includes grounded 4' pigtail.①

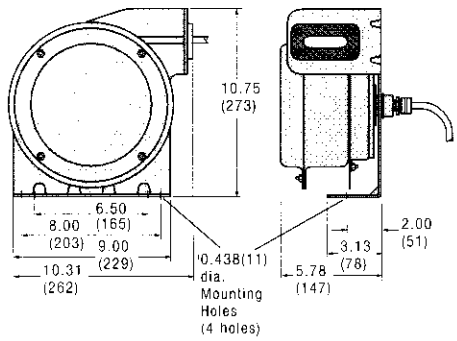
CRC CORD REEL WITH DUAL OUTLET BOX				
CATALOG NUMBER	AMPERAGE PER CONDUCTOR	AWG	NUMBER OF CONDUCTORS	LENGTH FT. (METERS)
CRC-16325-DB	10 Amp	16	3	25'(7.5)
CRC-14325-DB	15 Amp	14	3	25'(7.5)
CRC-12320-DB	20 Amp	12	3	20'(6.0)

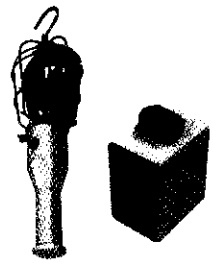
Note: Includes grounded 4' pigtail.① Outlet box shipped separately; installed by user.

CRC CORD REEL WITH INCANDESCENT HAND LAMP				
CATALOG NUMBER	AMPERAGE PER CONDUCTOR	AWG	NUMBER OF CONDUCTORS	LENGTH FT. (METERS)
CRC-16325-HL	10 Amp	16	3	25'(7.5)
CRC-14325-HL	15 Amp	14	3	25'(7.5)
CRC-12320-HL	20 Amp	12	3	20'(6.0)

Note: Includes grounded 4' pigtail.① Hand lamp shipped separately; installed by user.
① Pigtail with 125V molded plug – 15A for 14 & 16 awg; 20A for 12 awg.

Dimensions





Hand Lamp Only

- Uses Standard Incandescent Bulb, 100 Watt max. (Bulb not included)
- Integral On-Off Switch
- Metal Bulb Guard with Hook

CATALOG NUMBER: CRC-HL

Dual Outlet Box Only

- Dual Grounded 125V Outlets
- Rugged Molded Box
- Integral Strain Relief Clamp Included

CATALOG NUMBER: CRC-DB

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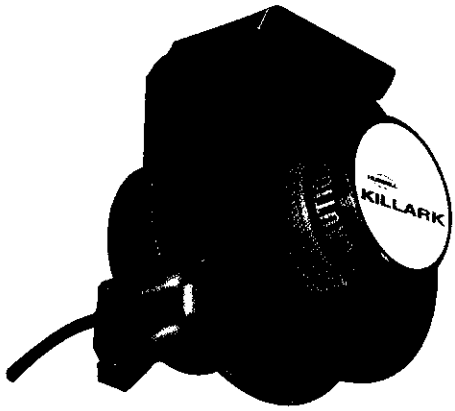
CABLE REELS
CRG SERIES ELECTRIC CORD CABLE REELS



NEMA 4

UL File No. E196197

CSA

FEATURES-SPECIFICATIONS

Features

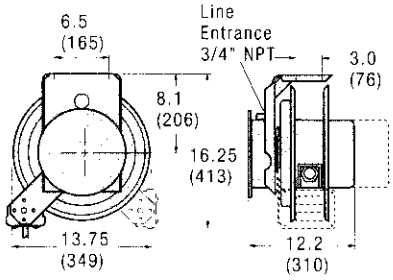
- Safetychange® spring mechanism with weatherproof gasket
- Positive ratchet lock with disengage
- Fully automatic-machine mountable
- All-welded solid steel construction with orange polyester baked-on finish
- Slip ring enclosure and junction box are NEMA 4
- Heavy duty mounting base
- Multi-position cord guide is field adjustable
- Field adjustable cord stop included
- Black or yellow 600V rated cord included (Refer to catalog number suffix for availability: **"B"=Black, "Y"=Yellow**)
- Optional 340° pivot base
- Junction box accepts 3/4" liquidtight or rigid conduit
- All units provided with right hand rotation
- Prelubricated bearings and springs require no periodic maintenance

CRG ELECTRIC CORD REELS

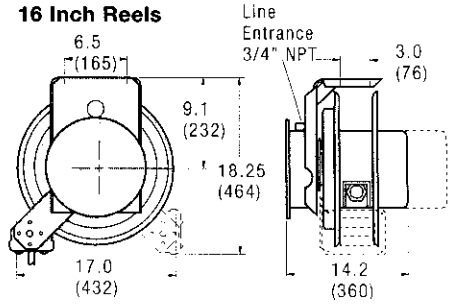
CATALOG NUMBER	CORD DATA-TYPE SO CORD				FLANGE DIA.	WEIGHT COMPLETE LBS. (KG)	CORD STOP (INCLUDED)	340° BASE (OPTIONAL)
	RATING @600V	AWG	NO. COND.	LENGTH* FT. (METERS)				
CRG14-16330B	10 Amp	16	3	30' (9.0)	14" (356)	42 (18.9)	CP-1	**CRG-PB14**
CRG14-16345B				45' (13.5)	14" (356)	49 (22.0)	CP-1	**CRG-PB14**
CRG14-16430B	8 Amp	16	4	30' (9.0)	14" (356)	44 (19.8)	CP-1	**CRG-PB14**
CRG14-16430Y				30' (9.0)	14" (356)	44 (19.8)	CP-1	**CRG-PB14**
CRG14-16450B	8 Amp	16	4	50' (15.0)	14" (356)	49 (22.0)	CP-1	**CRG-PB14**
CRG14-16450Y				50' (15.0)	14" (356)	49 (22.0)	CP-1	**CRG-PB14**
CRG14-14330B	15 Amp	14	3	30' (9.0)	14" (356)	46 (20.7)	CP-2	**CRG-PB14**
CRG14-14350B				50' (15.0)	14" (356)	54 (24.3)	CP-2	**CRG-PB14**
CRG14-14430B	12 Amp	14	4	30' (9.0)	14" (356)	48 (21.6)	CP-2	**CRG-PB14**
CRG14-14430Y				30' (9.0)	14" (356)	48 (21.6)	CP-2	**CRG-PB14**
CRG14-14450B	12 Amp	14	4	50' (15.0)	14" (356)	56 (25.2)	CP-2	**CRG-PB14**
CRG14-14450Y				50' (15.0)	14" (356)	56 (25.2)	CP-2	**CRG-PB14**
CRG14-12330B	20 Amp	12	3	30' (9.0)	14" (356)	46 (20.8)	CP-2	**CRG-PB14**
CRG16-12350B				50' (15.0)	16" (406)	69 (31.1)	CP-2	**CRG-PB16**
CRG14-12430B	16 Amp	12	4	30' (9.0)	14" (356)	48 (21.6)	CP-2	**CRG-PB14**
CRG14-12430Y				30' (9.0)	14" (356)	48 (21.6)	CP-2	**CRG-PB14**
CRG16-12450B	16 Amp	12	4	50' (15.0)	16" (406)	86 (38.7)	CP-2	**CRG-PB16**
CRG16-12450Y				50' (15.0)	16" (406)	86 (38.7)	CP-2	**CRG-PB16**
CRG14-10330B	25 Amp	10	3	30' (9.0)	14" (356)	48 (21.6)	CP-2	**CRG-PB14**
CRG16-10350B				50' (15.0)	16" (406)	86 (38.7)	CP-2	**CRG-PB16**
CRG14-10430B	20 Amp	10	4	30' (9.0)	14" (356)	52 (23.4)	CP-2	**CRG-PB14**
CRG16-10450B				50' (15.0)	16" (406)	92 (41.4)	CP-2	**CRG-PB16**

**Length of cord listed is for ACTIVE travel. Small diameter 16/3 cord limited to 45' by number of spring returns.*

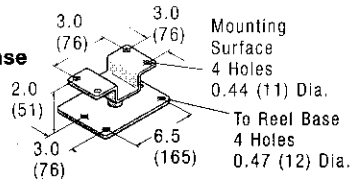
14 Inch Reels



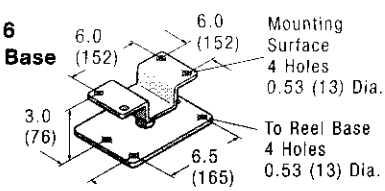
16 Inch Reels



#CRG-PB14
340° Pivot Base
(optional)



#CRG-PB16
340° Pivot Base
(optional)



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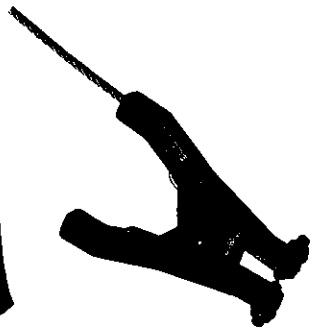
Enclosed Spool Static Discharge Reel

Open Spool Static Discharge Reel



Pin Hand Clamp ①

Aircraft Clamp ②

Alligator Clip ③

FEATURES-SPECIFICATIONS

Features

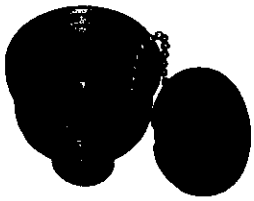
Enclosed Spool Reel

- Cables to 50'
- Choice of bare or shielded cable or "Y" for dual termination
- Rugged steel construction with baked on orange polyester finish
- Includes 100 Amp alligator clip and cable stop
- Spring rewind with ratchet lock
- Factory lubricated, no additional lubrication required

Open Spool Reel

- Insulated stainless steel cables to 100'
- Spring rewind with centrifugal brake
- Rugged steel construction with baked on orange polyester finish
- Choice of grounding clamps to suit various applications
- Factory lubricated, no additional lubrication required

Ground Well



- Solid machined brass
- Cover chained to body to prevent loss
- Includes replaceable grounding stud
- Fits 3/4" grounding rod (3/4-10NC thread)
- Dimensions: 2-3/4" dia. x 2-7/8" high
- Stud has 3/8"-18 thread

CATALOG NUMBER	DESCRIPTION
CRS-WELL	Well w/stud
CRS-STD	Stud only

CRS ENCLOSED SPOOL STATIC DISCHARGE REELS	
CATALOG NUMBER	CABLE DESCRIPTION
CRSE-30BG	30' Single 7 x 7 stranded galvanized steel with alligator clip*
CRSE-50BG	50' Single 7 x 7 stranded galvanized steel with alligator clip*
CRSE-35Y15BG	35' Galvanized steel cable plus dual 15' for "Y", with alligator clips*
CRSE-50NG	50' Clear nylon covered galvanized steel cable with alligator clip**
CRSE-500G	50' Orange stainless steel cable with alligator clip***

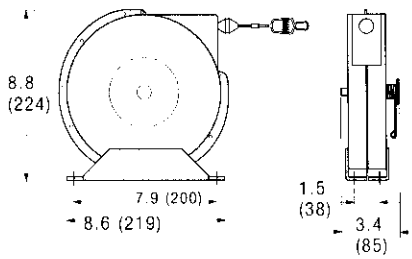
** Static discharge reels are supplied complete with 3/32" O.D. steel aircraft cable. DC resistance is approximately one ohm per 50 ft. of steel cable.*
*** Clear nylon covered cable is 1/8" O.D. over 3/32" galvanized steel cable.*
**** Orange nylon jacket is 1/8" O.D. over 3/32" stainless steel cable. Meets military grounding spec. of 6.67 ohms per 75 ft. of cable.*

CRS OPEN SPOOL STATIC DISCHARGE REELS	
CATALOG NUMBER	CABLE DESCRIPTION
CRSO-50YP	50' Insulated stainless steel*, with adjustable pin hand clamp
CRSO-50YA	50' Insulated stainless steel*, with aircraft clamp
CRSO-50YG	50' Insulated stainless steel*, with alligator clip
CRSO-75YP	75' Insulated stainless steel*, with adjustable pin hand clamp
CRSO-75YA	75' Insulated stainless steel*, with aircraft clamp
CRSO-75YG	75' Insulated stainless steel*, with alligator clip
CRSO-100YP	100' Insulated stainless steel*, with adjustable pin hand clamp
CRSO-100YA	100' Insulated stainless steel*, with aircraft clamp
CRSO-100YG	100' Insulated stainless steel*, with alligator clip

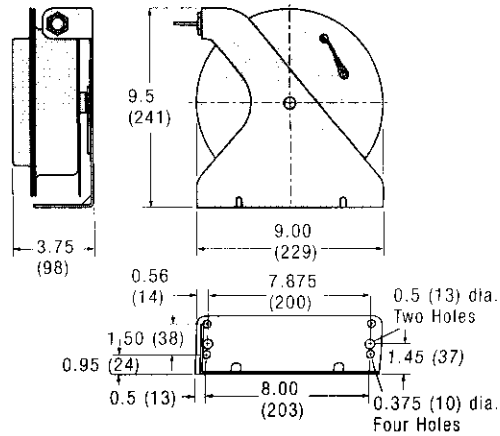
** Safety Yellow Dupont Hytrel insulation is 5/32" O.D. over 3/32" stainless steel cable. Less than 7 ohm resistance per 75'.*

Dimensions

Enclosed spool static discharge reel



Open spool static discharge reel



① *Aluminum with stainless steel contact points.*
② *Aluminum with plated steel jaws. Clamp meets mil spec. M83413/7-1.*
③ *Copper clamp with spring.*

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PR

Applications

Killark's new VersaMate® N4X line of devices replaces "W" series and offers a variety of enhanced features as shown on the preceding pages. "W" series receptacle assemblies are shown for conversion **to component back box and receptacle-only part numbers**. Use Cross-Reference on next page to convert "W" Series, including plugs, to VersaMate.

Backward Compatibility

VersaMate plugs and receptacles will satisfactorily mate with "W" series devices of the appropriate configuration.③ VersaMate receptacles may be mounted to old "W" series back boxes, where conduit removal is difficult, as follows: 30 Amp receptacles require VRWA30 adapter; for 60 Amp receptacles all mounting screws must be started before tightening; 100 Amp requires no special procedure. 200 Amp VersaMate receptacles fit old "W" series angle adapters (furnished with back box). 200 Amp VersaMate angle adapters only will not fit onto old "W" Series mounting boxes.

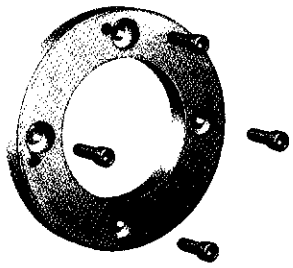
NOTES:

① *Conduit Size logic: 1= 1/2"; 2 = 3/4", 3= 1", 4 = 1-1/4", 5 = 1-1/2", 6= 2", 7 = 2-1/2" "W" series back boxes were available in the following sizes:*

- *30 Amp 1/2, 3/4, 1" size shown is 3/4".*
- *60 & 100 Amp, depending on box type, 3/4" through 2" size shown is 1-1/4".*
- *200 Amp 2 and 2-1/2" both sizes are shown.*

② *VersaMate 30 Amp receptacles are not available with FS style mounting. Suggest using new VersaMate receptacles and back boxes for N4X assembly protection. Old "W" FS style receptacles used 3/4" "FS" boxes and will be available until stocks are depleted.*

③ *"W" Series and VersaMate, while intermateable, use different wire well identification methods. Care must be taken to check polarity before energizing, as indicated in the product installation instructions.*



VRWA30 *adapter required for mounting 30 Amp VersaMate receptacles to old "W" Series type "A" or "J" boxes. Note new receptacle will be rotated counter-clockwise 9 degrees.*

30 AMP RECEPTACLES WITH JL AND AJ TYPE BOXES①

GROUND STYLE	CIRCUIT	CATALOG NUMBER C	X	C	T	RECEPTACLE ONLY
STYLE I	3W3P	WRWJCL-2303	WRWJXL-2303	WRWACL-2303	WRWATL-2303	**WRWJL-303**
	4W4P	WRWJCL-2304	WRWJXL-2304	WRWACL-2304	WRWATL-2304	**WRWJL-304**
STYLE II Lid Type	2W3P	WRJCL-2303	WRJXL-2303	WRACL-2303	WRATL-2303	**WRJL-303**
	3W4P	WRJCL-2304	WRJXL-2304	WRACL-2304	WRATL-2304	**WRJL-304**
STYLE II Screw Cap Type	2W3P	WRJCS-2303	WRJXS-2303	WRACS-2303	WRATS-2303	**WRJS-303**
	3W4P	WRJCS-2304	WRJXS-2304	WRACS-2304	WRATS-2304	**WRJS-304**
BACK BOX①		**JLC-2**	**JLX-2**	**AJC-2**	**AJT-2**	—

30 AMP RECEPTACLES WITH FS SERIES BOXES②

GROUND STYLE	CIRCUIT	CATALOG NUMBER DEAD END	FEED THRU	RECEPTACLE ONLY②
STYLE I	3W3P	WRWL-2303S	WRWL-2303C	**WRWSL-303**
	4W4P	WRWL-2304S	WRWL-2304C	**WRWSL-304**
STYLE II Lid Type	2W3P	WRL-2303S	WRL-2303C	**WRSL-303**
	3W4P	WRL-2304S	WRL-2304C	**WRSL-304**
STYLE II Screw Cap Type	2W3P	WRS-2303S	WRS-2303C	**WRSS-303**
	3W4P	WRS-2304S	WRS-2304C	**WRSS-304**
BACK BOX①		**FS-2L②**	**FSC-2L②**	—

60 AMP RECEPTACLES WITH AJA AND JAL SERIES BOXES①

GROUND STYLE	CIRCUIT	CATALOG NUMBER X	C	T	RECEPTACLE ONLY
STYLE I	3W3P	WRWJXL-4603	WRWACL-4603	WRWATL-4603	**WRWJL-603**
	4W4P	WRWJXL-4604	WRWACL-4604	WRWATL-4604	**WRWJL-604**
STYLE II Lid Type	2W3P	WRJXL-4603	WRACL-4603	WRATL-4603	**WRJL-603**
	3W4P	WRJXL-4604	WRACL-4604	WRATL-4604	**WRJL-604**
STYLE I Screw Cap Type	3W3P	WRWJXS-4603	WRWACS-4603	WRWATS-4603	**WRWJS-603**
	4W4P	WRWJXS-4604	WRWACS-4604	WRWATS-4604	**WRWJS-604**
STYLE II	2W3P	WRJXS-4603	WRACS-4603	WRATS-4603	**WRJS-603**
	3W4P	WRJXS-4604	WRACS-4604	WRATS-4604	**WRJS-604**
BACK BOX①		**JALX-4**	**AJAC-4**	**AJAT-4**	—

100 AMP RECEPTACLES WITH AJA AND JAL SERIES BOXES①

GROUND STYLE	CIRCUIT	CATALOG NUMBER X	C	T	RECEPTACLE ONLY
STYLE I	3W3P	WRWJXL-41003	WRWACL-41003	WRWATL-41003	**WRWJL-1003**
	4W4P	WRWJXL-41004	WRWACL-41004	WRWATL-41004	**WRWJL-1004**
STYLE II Lid Type	2W3P	WRJXL-41003	WRACL-41003	WRATL-41003	**WRJL-1003**
	3W4P	WRJXL-41004	WRACL-41004	WRATL-41004	**WRJL-1004**
STYLE I Screw Cap Type	3W3P	WRWJXS-41003	WRWACS-41003	WRWATS-41003	**WRWJS-1003**
	4W4P	WRWJXS-41004	WRWACS-41004	WRWATS-41004	**WRWJS-1004**
STYLE II	2W3P	WRJXS-41003	WRACS-41003	WRATS-41003	**WRJS-1003**
	3W4P	WRJXS-41004	WRACS-41004	WRATS-41004	**WRJS-1004**
BACK BOX①		**JALX-4**	**AJAC-4**	**AJAT-4**	—

200 AMP ASSEMBLY, RECEPTACLE AND BACK BOX

GROUND STYLE	CIRCUIT	CATALOG NUMBER 2"	2-1/2"	RECEPTACLE ONLY①
STYLE I	4W4P	RW65C91	RW65C92	***RW65C***
STYLE II Lid Type	3W4P	RW64C91	RW64C92	***RW64C***
BACK BOX①		**AJXBE-6**	**AJXBE-7**	—

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CROSS REFERENCE TO VERSAMATE

CATALOG NUMBER "W" SERIES③	CAT. NO. VERSAMATE	AMP	WIRES / POLES	VERSAMATE DESCRIPTION
WP-303D2345	**VP3385**	30	2W3P	Plug
WP-303D2345S	**VP3385**	30	2W3P	Plug
WP-303E4567	**VP3385**	30	2W3P	Plug
WP-303E4567S	**VP3385**	30	2W3P	Plug
WP-304D2345	**VP3485**	30	3W4P	Plug
WP-304D2345S	**VP3485**	30	3W4P	Plug
WP-304E4567	**VP3485**	30	3W4P	Plug
WP-304E4567S	**VP3485**	30	3W4P	Plug
WPW-303D2345	**VP3375**	30	3W3P	Plug
WPW-303D2345S	**VP3375**	30	3W3P	Plug
WPW-303E4567	**VP3375**	30	3W3P	Plug
WPW-303E4567S	**VP3375**	30	3W3P	Plug
WPW-304D2345	**VP3475**	30	4W4P	Plug
WPW-304D2345S	**VP3475**	30	4W4P	Plug
WPW-304E4567	**VP3475**	30	4W4P	Plug
WPW-304E4567S	**VP3475**	30	4W4P	Plug
WRJL-303	**VR332**	30	2W3P	Receptacle
WRJL-304	**VR342**	30	3W4P	Receptacle
WRJS-303	**VR332**	30	2W3P	Receptacle
WRJS-304	**VR342**	30	3W4P	Receptacle
WRSL-303	**VR332**	30	2W3P	Receptacle②
WRSL-304	**VR342**	30	3W4P	Receptacle②
WRSS-303	**VR332**	30	2W3P	Receptacle②
WRSS-304	**VR342**	30	3W4P	Receptacle②
WRWJL-303	**VR331**	30	3W3P	Receptacle
WRWJL-304	**VR341**	30	4W4P	Receptacle
WRWSL-303	**VR331**	30	3W3P	Receptacle②
WRWSL-304	**VR341**	30	4W4P	Receptacle②
AJC series	**VRD or VRE**	30	-	Back Box①
AJT series	**sub VRE**	30	-	Back Box①
JLC series	**VRC series**	30	-	Back Box①
JLX series	**sub VRC**	30	-	Back Box①
WP-603D345	**VP6385**	60	2W3P	Plug
WP-603D345S	**VP6385**	60	2W3P	Plug
WP-603E4567	**VP6385**	60	2W3P	Plug
WP-603E4567S	**VP6385**	60	2W3P	Plug
WP-604D345	**VP6485**	60	3W4P	Plug
WP-604D345S	**VP6485**	60	3W4P	Plug
WP-604E4567	**VP6485**	60	3W4P	Plug
WP-604E4567S	**VP6485**	60	3W4P	Plug
WP-604F3456	**VP6485**	60	3W4P	Plug
WP-604F3456S	**VP6485**	60	3W4P	Plug
WPW-603D345	**VP6375**	60	3W3P	Plug
WPW-603D345S	**VP6375**	60	3W3P	Plug
WPW-603E4567	**VP6375**	60	3W3P	Plug
WPW-603E4567S	**VP6375**	60	3W3P	Plug
WPW-604D345	**VP6475**	60	4W4P	Plug
WPW-604D345S	**VP6475**	60	4W4P	Plug
WPW-604E4567	**VP6475**	60	4W4P	Plug
WPW-604E4567S	**VP6475**	60	4W4P	Plug
WPW-604F3456	**VP6475**	60	4W4P	Plug
WPW-604F3456S	**VP6475**	60	4W4P	Plug
WRJL-603	**VR632**	60	2W3P	Receptacle
WRJL-604	**VR642**	60	3W4P	Receptacle
WRJS-603	**VR632**	60	2W3P	Receptacle
WRJS-604	**VR642**	60	3W4P	Receptacle
WRWJL-603	**VR631**	60	3W3P	Receptacle
WRWJL-604	**VR641**	60	4W4P	Receptacle
WRWJS-603	**VR631**	60	3W3P	Receptacle
WRWJS-604	**VR641**	60	4W4P	Receptacle
AJAC series	**VRD or VRE**	60		Back Box①
AJAT series	**sub VRE**	60		Back Box①
JALX series	**sub VRC**	60		Back Box①

CATALOG NUMBER "W" SERIES	CAT. NO. VERSAMATE	AMP	WIRES / POLES	VERSAMATE DESCRIPTION
WP-1003E4567	**VP10387**	100	2W3P	Plug
WP-1003E4567S	**VP10387**	100	2W3P	Plug
WP-1003F3456	**VP10387**	100	2W3P	Plug
WP-1003F3456S	**VP10387**	100	2W3P	Plug
WP-1004E4567	**VP10487**	100	3W4P	Plug
WP-1004E4567S	**VP10487**	100	3W4P	Plug
WP-1004F3456	**VP10487**	100	3W4P	Plug
WP-1004F3456S	**VP10487**	100	3W4P	Plug
WPW-1003E4567	**VP10377**	100	3W3P	Plug
WPW-1003E4567S	**VP10377**	100	3W3P	Plug
WPW-1003F3456	**VP10377**	100	3W3P	Plug
WPW-1003F3456S	**VP10377**	100	3W3P	Plug
WPW-1004E4567	**VP10477**	100	4W4P	Plug
WPW-1004E4567S	**VP10477**	100	4W4P	Plug
WPW-1004F3456	**VP10477**	100	4W4P	Plug
WPW-1004F3456S	**VP10477**	100	4W4P	Plug
WC-1004E4567S	**VPR10467**	100	3W4P	Connector
WC-1004F3456S	**VPR10467**	100	3W4P	Connector
WCW-1004E4567S	**VPR10457**	100	4W4P	Connector
WCW-1004F3456S	**VPR10457**	100	4W4P	Connector
WRJL-1003	**VR1032**	100	2W3P	Receptacle
WRJL-1004	**VR1042**	100	3W4P	Receptacle
WRJS-1003	**VR1032**	100	2W3P	Receptacle
WRJS-1004	**VR1042**	100	3W4P	Receptacle
WRWJL-1003	**VR1031**	100	3W3P	Receptacle
WRWJL-1004	**VR1041**	100	4W4P	Receptacle
WRWJS-1003	**VR1031**	100	3W3P	Receptacle
WRWJS-1004	**VR1041**	100	4W4P	Receptacle
AJAC series	**VJ or VJC**	100		Box & Adapter①
AJAT series	**VJ or VJC**	100		Box & Adapter①
JALX series	**VJ or VJC**	100		Box & Adapter①
PW64023	**VP204612**	200	3W4P	Plug
PW64026	**VP204612**	200	3W4P	Plug
PW64029	**VP204612**	200	3W4P	Plug
CW64C23	**VPR204212**	200	3W4P	Connector
CW64C26	**VPR204212**	200	3W4P	Connector
CW64C29	**VPR204212**	200	3W4P	Connector
RW64C	**VR20422**	200	3W4P	Receptacle
PW65023	**VP204513**	200	4W4P	Plug
PW65026	**VP204513**	200	4W4P	Plug
PW65029	**VP204513**	200	4W4P	Plug
CW65C23	**VPR204113**	200	4W4P	Connector
CW65C26	**VPR204113**	200	4W4P	Connector
CW65C29	**VPR204113**	200	4W4P	Connector
RW65C	**VR20412**	200	4W4P	Receptacle
AJXBE-6	**VJ68**	200		Box & Adapter
AJXBE-7	**VJ78**	200		Box & Adapter
SU37 **	**S37**			Polarization
SU38	**NA**			Polarization
SU39 **	**S39**			Reverse Service

** See price sheet for Polarization or 200A Reverse Service adders

See preceeding page for receptacle assembly component information for conversion to VersaMate. Select best mounting box based on suggested alternative and application.

① ② ③ See notes preceding page.

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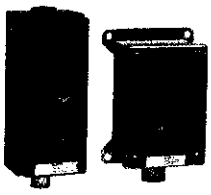

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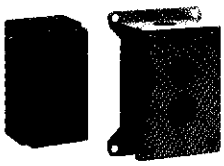

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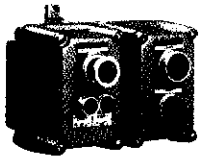

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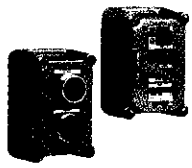

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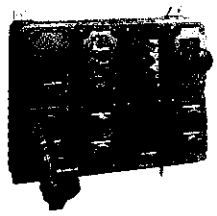

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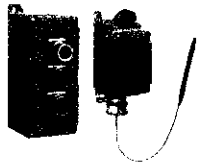

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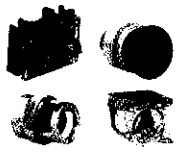

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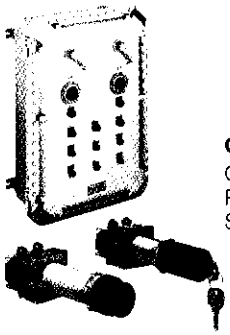

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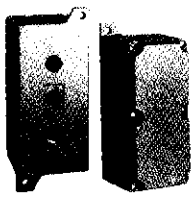

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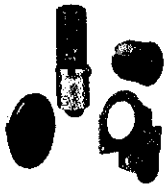

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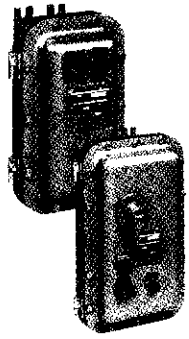

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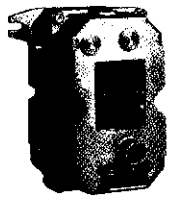

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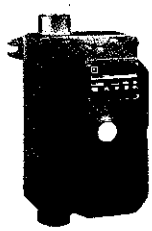

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Single Gang

Double Gang

NEMA 3—Weatherproof
NEMA 4—Hosedown
NEMA 4X—Corrosion Resistant
NEMA 6—Temporary Submersion
NEMA 13—Oiltight

Listed - File E112119

Certified - File LR68657

See files for details or call Killark.

FEATURES-SPECIFICATIONS

DURATECH®

Applications

The unique properties of the DuraTech® engineered thermoplastic body make it ideal for use in industrial areas where durability and resistance to corrosion are of major importance.

Such areas include indoor and outdoor applications where equipment is exposed to moisture and the elements, or where cleaners and solvents are commonly used during hosedowns.

Applications (non-hazardous) include:

- Chemical plants
- Pharmaceutical plants
- Meat packing plants
- Coastal industrial applications
- Electronic manufacturing areas
- Fertilizer blending facilities
- Detergent and laundry areas
- Food processing and dairies
- Concrete and aggregate blending
- Marine locations, on-shore/off-shore

Features

- DuraTech control housings are constructed from an engineered thermo-plastic which has high impact strength and corrosion resistance
- Captive, stainless steel (316 grade) cover fasteners simplify installation and maintenance
- Cover gasket is one-piece, seamless neoprene construction to guard against moisture/dust entry
- PWB Series back boxes include mounting slots which are cast into the mold. This integral construction enables control stations to be securely anchored in areas where vibration is common. Back boxes include provision for grounding.
- PVC-coated hubs are included with PWB back boxes. Box hubs are copper-free aluminum with grounding lugs offered as standard. Hubs are available in dead-end or feed-thru configurations in 1/2", 3/4" and 1" sizes.
- Contact blocks are Square D type KA, 600V, 10 A maximum and rated for heavy duty use
- Ambient range suitability of -50°F to 140°F

Ordering Information

Specifying and ordering a Duratech control station requires the selection of four components–box–cover–operators–accessories.
All Components are shipped separately.

CONTROL HOUSING TECHNICAL SPECIFICATIONS			
PROPERTY	ASTM TEST METHOD	VALUE	UNITS
PHYSICAL			
Specific gravity	D792	1.34	—
Water absorption	D570	.08	%
MECHANICAL			
Tensile strength	D638	7,000	PSI
Elongation at break	D638#	110	%
Flexural modulus	D790	300,000	PSI
IZOD impact strength	D256	—	—
Notched 1/8" thick	—	10.0	ft./lbs./in.
Unnotched 1/8" thick	—	No Break	—
Gardner impact (Falling Dart) 1/8" thick	—	32	ft./lbs.

CONTROL HOUSING TECHNICAL SPECIFICATIONS (CONTINUED)			
PROPERTY	ASTM TEST METHOD	VALUE	UNITS
ELECTRICAL			
Dielectric Strength	D149	—	—
1/16" Thick	—	640	V/mm (of material)
1/8" Thick	—	470	V/mm (of material)
Volume Resistivity	D257	12	OHM-CMx1016
UL PROPERTIES			
Flammability	UL94	V-0 .025" Thick	—
UL Temp. Index	UL746B	120° .025" Thick	0°C

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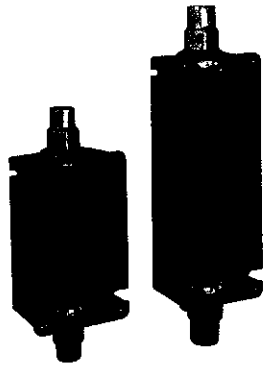
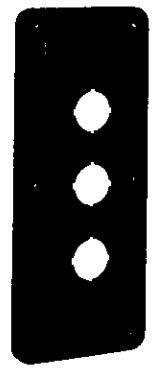
PWB-2, PWB-8



PWB-5, PWB-11

PWC-10/PWC-11
Single Gang



PWC-23
Double Gang

FEATURES-SPECIFICATIONS

PWB BACK BOX SELECTION AND DIMENSIONS

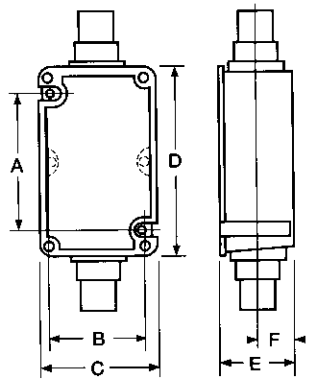
CATALOG NUMBER	BOX CONFIGURATION	HUB SIZE	A	B	C	D	E	F
PWB-1	Single gang	1/2" Dead-end	4.70(119)	3.06(78)	4.00(102)	6.46(164)	2.57(65)	1.28(33)
PWB-2	Single gang	3/4" Dead-end	4.70(119)	3.06(78)	4.00(102)	6.46(164)	2.57(65)	1.28(33)
PWB-3	Single gang	1" Dead-end	4.70(119)	3.06(78)	4.00(102)	6.46(164)	2.57(65)	1.28(33)
PWB-4	Single gang	1/2" Feed-thru	4.70(119)	3.06(78)	4.00(102)	6.46(164)	2.57(65)	1.28(33)
PWB-5	Single gang	3/4" Feed-thru	4.70(119)	3.06(78)	4.00(102)	6.46(164)	2.57(65)	1.28(33)
PWB-6	Single gang	1" Feed-thru	4.70(119)	3.06(78)	4.00(102)	6.46(164)	2.57(65)	1.28(33)
PWBS	Single gang	Blank (no hubs)	4.70(119)	3.06(78)	4.00(102)	6.46(164)	2.57(65)	1.28(33)
PWB-7	Double gang	1/2" Dead-end	8.34(212)	3.06(78)	4.00(102)	10.12(257)	2.57(65)	1.28(33)
PWB-8	Double gang	3/4" Dead-end	8.34(212)	3.06(78)	4.00(102)	10.12(257)	2.57(65)	1.28(33)
PWB-9	Double gang	1" Dead-en	8.34(212)	3.06(78)	4.00(102)	10.12(257)	2.57(65)	1.28(33)
PWB-10	Double gang	1/2" Feed-thru	8.34(212)	3.06(78)	4.00(102)	10.12(257)	2.57(65)	1.28(33)
PWB-11	Double gang	3/4" Feed-thru	8.34(212)	3.06(78)	4.00(102)	10.12(257)	2.57(65)	1.28(33)
PWB-12	Double gang	1" Feed-thru	8.34(212)	3.06(78)	4.00(102)	10.12(257)	2.57(65)	1.28(33)
PWBL	Double gang	Blank (no hubs)	8.34(212)	3.06(78)	4.00(102)	10.12(257)	2.57(65)	1.28(33)

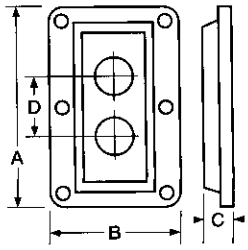
PWC DEVICE COVER SELECTION AND DIMENSIONS

CATALOG NUMBER	NUMBER OF DEVICE OPENINGS	COVER SIZE	A	B	C	D
PWC-10	Blank	Single gang	6.75(159)	4.32(110)	1.00(25)	N/A
PWC-11	1	Single gang	6.75(159)	4.32(110)	1.00(25)	N/A
PWC-12	2	Single gang	6.75(159)	4.32(110)	1.00(25)	2.00(51)
PWC-20	Blank	Double gang	10.36(263)	4.32(110)	1.00(25)	N/A
PWC-23	3	Double gang	10.36(263)	4.32(110)	1.00(25)	2.19(56)
PWC-24	4	Double gang	10.36(263)	4.32(110)	1.00(25)	2.06(52)

PWC-10 thru PWC-12 covers suitable for PWB-1 thru PWB-6 back boxes.
PWC-20 thru PWC-24 covers suitable for PWB-7 thru PWB-12 back boxes.

Dimensions





HUBBELL®
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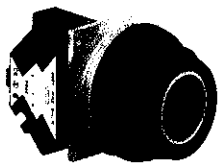
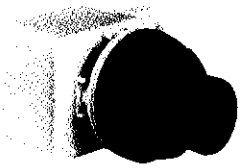
WCD SERIES • CONTROLS
OPERATORS FOR INSTALLATION IN PWC COVERS

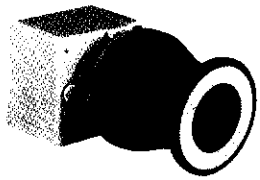


Momentary Push Button

Emergency Stop Push Button



Pilot Light



Illuminated Push Button

Selector Switch

NEMA 3—Weatherproof
NEMA 4—Hosedown
NEMA 4X—Corrosion Resistant
NEMA 6—Temporary Submersion
NEMA 13—Oiltight

FEATURES-SPECIFICATIONS

WCD MOMENTARY PUSH BUTTONS*

CATALOG NUMBER	PUSH BUTTON TYPE	CONTACT BLOCKS	NAMEPLATE
WCD1-UG1B	Full Guard	1 N.O.	Start/Specify
WCD1-UG2D	Full Guard	1 N.C.	Stop/Specify
WCD1-UG3A	Full Guard	1 Universal	Specify
WCD1-UG0A	Full Guard	None	Blank

**Red, Green, Blue, Yellow, Black, Orange and White Snap-in color discs included with each device.*

WCD EMERGENCY STOP PUSH BUTTON (MAINTAINED CONTACT) PUSH-PULL

CATALOG NUMBER	CONTACT BLOCK	MUSHROOM BUTTON COLOR	NAMEPLATE
WCD10-0B3-1R	1 Universal	Red	Emer. Stop/Specify

(1.655" dia.) Mushroom

WCD PILOT LIGHTS

CATALOG NUMBER	LENS COLOR	VOLTAGE	NAMEPLATE
WCD3-A23C	Amber	120V	Start/Specify
WCD3-G23C	Green	120V	Stop/Specify
WCD3-R23C	Red	120V	Specify

WCD ILLUMINATED PUSH BUTTONS

CATALOG NUMBER	LENS COLOR	VOLTAGE	CONTACT BLOCK	NAMEPLATE
WCD4-A233C	Amber	120V	1 Universal	Specify
WCD4-G233C	Green	120V	1 Universal	Specify
WCD4-R233C	Red	120V	1 Universal	Specify

WCD PUSH-TO-TEST PILOT LIGHTS

CATALOG NUMBER	LENS COLOR	VOLTAGE	CONTACT BLOCK	NAMEPLATE
WCD14-PTA233P	Amber	120V	1 Universal	Push-to-test
WCD14-PTG233P	Green	120V	1 Universal	Push-to-test
WCD14-PTR233P	Red	120V	1 Universal	Push-to-test

WCD ILLUMINATED PUSH-PULL OPERATORS

CATALOG NUMBER	LENS COLOR	VOLTAGE	CONTACT BLOCK	NAMEPLATE
WCD13-R230Q	Red	110-120V	None	Push-to-stop/Pull-to-start
WCD13-R233Q	Red	110-120V	1 N.O./1 N.C.	Push-to-stop/Pull-to-start

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NEMA 3—Weatherproof
NEMA 4—Hosedown
NEMA 4X—Corrosion Resistant
NEMA 6—Temporary Submersion
NEMA 13—Oiltight

WCD SELECTOR SWITCHES				
CATALOG NUMBER	CONTACT BLOCK	CONTACT CONFIGURATION	NAMEPLATE	DESCRIPTION
WCD5-2A3F	1 Universal	Left Right	Off-On/Specify	Maintained contact (2 position)
WCD5-3B3G	1 Universal	Left Center Right	HOA/Specify	Maintained contact (3 position)
WCD6-3F	1 Universal	Left Right	Off-On/Specify	Spring return from right (2 position)
WCD7-6G	1 Universal	Left Center Right	HOA/Specify	Spring return to center from left and right (3 position)

WCD ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
WCD1-RM1	1.375 red mushroom snap-in disk
WCD1-RM21①	2.250 red mushroom snap-in disk
WCD1-LOK	Push button lockout
WCD567-LOK	Selector switch lockout
WCD34-RRC	Pilot light lens cap – red
WCD34-GRC	Pilot light lens cap – green
WCD34-ARC	Pilot light lens cap – amber
WCD-CUP	Device opening close-up plug
KKA-1	1 universal contact block
KKA-2	1 N.O. contact block
KKA-3	1 N.C. contact block
NMH-1	1/2" hub PVC coated
NMH-2	3/4" hub PVC coated
NMH-3	1" hub PVC coated

①*Due to space limitations this device cannot be mounted adjacently.*

WCD BLANK NAMEPLATE	
CATALOG NUMBER	DESCRIPTION
16156AAAB	BLANK

WCD OPTIONAL NAMEPLATE MARKING AVAILABLE			
CATALOG NUMBER			
PUSH BUTTONS/PILOT LIGHTS		SELECTOR SWITCHES	
		2 POSITION	3 POSITION
JOG	DOWN	JOG – RUN	AUTO–FOR–REV
POWER ON	UP	UP – DOWN	OFF–DOWN–UP
POWER OFF	ON	SAFE – RUN	OFF–HAND–AUTO
SLOW	REVERSE	FOR – REV	—
FAST	OFF	MAN – AUTO	—
FORWARD	START	OFF – ON	—
RUN	RESET	—	—
EMER. STOP	—	—	—
PUSH-TO-TEST	—	—	—
STOP	—	—	—

**All nameplates white lettering on blue background.*
Consult factory if other legend plate callouts are required.
**To order nameplates with markings, order blank nameplate plus marking.*
Example: "16156AAAB JOG"

C

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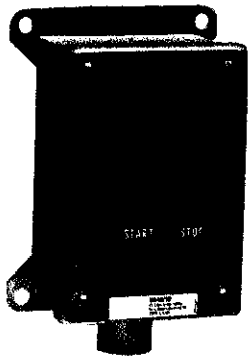
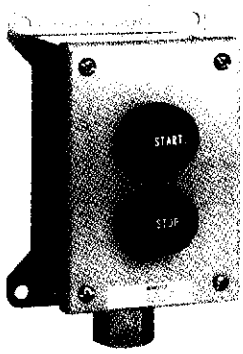
FRP Enclosure



Stainless Steel Enclosure



Painted Steel Enclosure

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G①
Class III
NEMA 3, 4, 4x
CENELEC-EEx edm IIC T6 IP66②

Listed - Files E175283, E175284

Certified - Files LR99480-10

PTB No. Ex-93C.1036

FEATURES-SPECIFICATIONS

Applications

Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur.

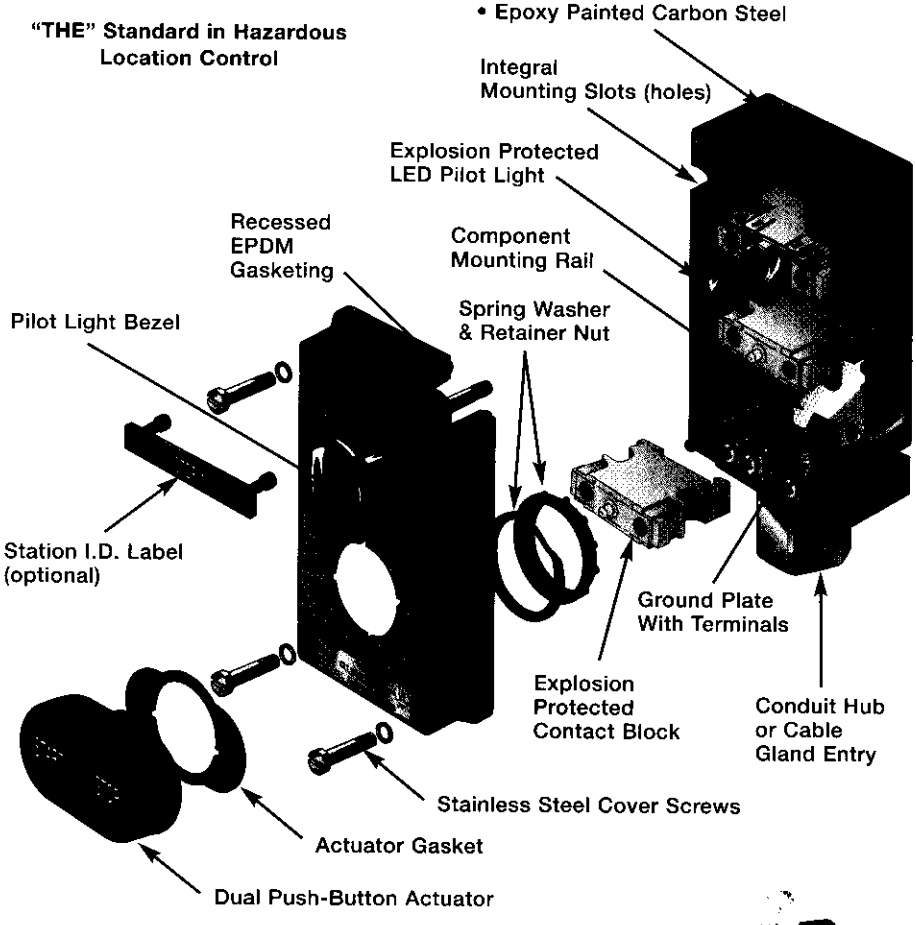
Features

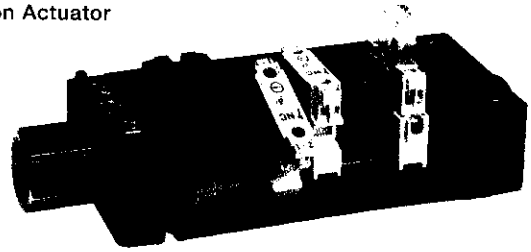
- Enclosures of Fiberglass Reinforced Polyester, Stainless Steel or Epoxy Painted Steel
- Durable EPDM gasket on enclosure is concealed to protect it from damage or premature aging by UV light and chemical elements
- Snap-on mounting of individual explosion-protected control components to notched DIN-like rail
- Contact element utilizes a parallel bridge contact with a four point (H- contact) to ensure the utmost reliability even with very low control voltages and currents
- Fluorosilicate gasket in standard pushbutton actuators is suitable for a wide range of atmospheric conditions (-50°C to 40°C)
- LED Pilot lights (incorporating advanced voltage-sensing electronics) operate on any voltage from 20V- 254V, AC or DC
- Control switches in many configurations
- Illuminated (Push-To-Test) push buttons, ammeters, potentiometers and other control components available
- No external seals required for most applications

ConSpec®
CONTROL STATIONS & PANELS

"THE" Standard in Hazardous Location Control

Three Types of Enclosure Materials
- **Fiberglass Reinforced Polyester (FRP)**
- **316L Stainless Steel**
- **Epoxy Painted Carbon Steel**





Easy Change-out Components Snap in Place

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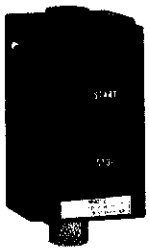
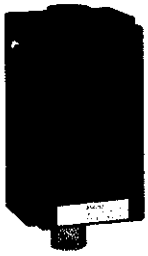
KILLARK®

①CSA Certified for Class II, Div. 1&2, EFG. UL Listed for Class II, Div. 2, FG.
②NOTE: Painted and stainless steel stations NOT CENELEC listed.

Start
Push Button
Station


Start/Stop
Push Button
Station

E-Stop
Push Button
Station


Pilot Light
Station

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G①
Class III
NEMA 3, 4, 4X
CENELEC-EEx edm IIC T6 IP66②

Listed - Files E175283, E175284
Certified - Files LR99480-10
PTB No. Ex-93C.1036

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

The control stations on this page are the most commonly used configurations, including combinations of pilot lights and push buttons. See the following pages for components to configure custom control stations and panels.

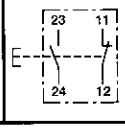
Wiring Entry Logic

Insert one of the digits below to complete the control station catalog number.

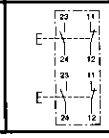
BOXES WITH INTERNAL GROUND PLATE	
(for MC/TC/TEC Cable Connectors)	
1/2" NPT Top Feed	A
1/2" NPT Bottom Feed	B
1/2" NPT Feed Through	C
3/4" NPT Top Feed	D
3/4" NPT Bottom Feed	E
3/4" NPT Feed Through	F
BOXES WITH CONDUIT HUB	
1/2" NPT Top Feed	0
1/2" NPT Bottom Feed	1
1/2" NPT Feed Through	2
3/4" NPT Top Feed	3
3/4" NPT Bottom Feed	4
3/4" NPT Feed Through	5
BOXES WITH NON-METALLIC CABLE GLAND	
(Standard for IEC/CENELEC)	
M25 Compression Gland Top Feed	6
M25 Compression Gland Bottom Feed	7
M25 Compression Gland Feed Through	8
Special	9

①*CSA Certified for Class II, Div. 1&2, EFG. UL Listed for Class II, Div. 2, FG.*
②*NOTE: Painted and stainless steel stations NOT CENELEC listed.*

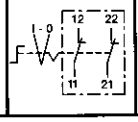
CS MOMENTARY SINGLE PUSH BUTTON

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	CONTACT BLOCKS	BUTTON COLOR	NAMEPLATE MARKING
CSF124U011 CSS124U011 CSC124U011			1 N.O. / 1 N.C.	Green	Start

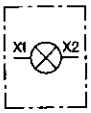
CS MOMENTARY START-STOP PUSH BUTTONS

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	CONTACT BLOCKS	BUTTON COLOR	NAMEPLATE MARKING
CSF224U011U012 CSS224U011U012 CSC224U011U012		START STOP	1 N.O. / 1 N.C.	Green	Start
			1 N.O. / 1 N.C.	Red	Stop

CS MAINTAINED EMERGENCY STOP PUSH BUTTON

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	CONTACT BLOCKS	BUTTON COLOR	NAMEPLATE MARKING
CSF124C150 CSS124C150 CSC124C150			2 N.C.	Red Large	E-Stop

CS SINGLE PILOT LIGHT

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	VOLT	COLOR	NAMEPLATE MARKING
CSF124PLR0 CSS124PLR0 CSC124PLR0			20V-254V AC / DC	Red LED	—

Wiring entry: 4=3/4" NPT Bottom Feed. For other entries, see Wiring Entry Logic table at left.

Housing material: (F) FRP, (S) Stainless Steel, (C) Carbon Steel.

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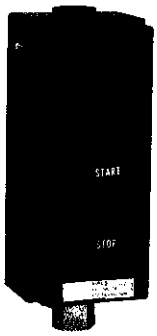
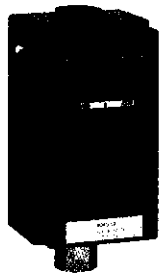
Pilot Light & 2 Push Button Station



Pilot Light & Start/Stop Push Button Station



Selector Switch Station

Pilot Light and Selector Switch Station

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G①
Class III
NEMA 3, 4, 4X
CENELEC-EEx edm IIC T6 IP66②

Listed - Files E175283, E175284

Certified - Files LR99480-10

PTB No. Ex-93C.1036

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

The control stations on this page are the most commonly used configurations, including combinations of pilot lights, push buttons and selector switches. See the following pages for components to configure custom control stations and panels.

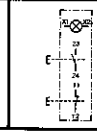
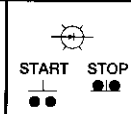
Wiring Entry Logic

Insert one of the digits below to complete the control station catalog number.

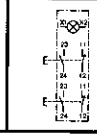
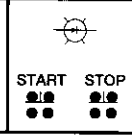
BOXES WITH INTERNAL GROUND PLATE	
(for MC/TC/TEC Cable Connectors)	
1/2" NPT Top Feed	A
1/2" NPT Bottom Feed	B
1/2" NPT Feed Through	C
3/4" NPT Top Feed	D
3/4" NPT Bottom Feed	E
3/4" NPT Feed Through	F
BOXES WITH CONDUIT HUB	
1/2" NPT Top Feed	0
1/2" NPT Bottom Feed	1
1/2" NPT Feed Through	2
3/4" NPT Top Feed	3
3/4" NPT Bottom Feed	4
3/4" NPT Feed Through	5
BOXES WITH NON-METALLIC CABLE GLAND	
(Standard for IEC/CENELEC)	
M25 Compression Gland Top Feed	6
M25 Compression Gland Bottom Feed	7
M25 Compression Gland Feed Through	8
Special	9

①*CSA Certified for Class II, Div. 1&2, EFG. UL Listed for Class II, Div. 2, FG.*
②*NOTE: Painted and stainless steel stations NOT CENELEC listed.*

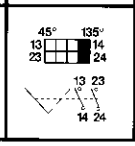
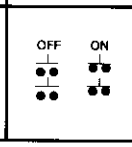
CS PILOT LIGHT (RED LED)/MOMENTARY DOUBLE PUSH BUTTONS

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	VOLT	CONTACT BLOCKS	BUTTON COLOR	NAMEPLATE MARKING
CSF224PLR0U231 CSS224PLR0U231 CSC224PLR0U231			20V-254V, AC/DC	1 N.O./1 N.C.	Green Red	Start Stop

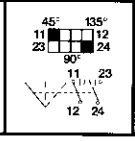
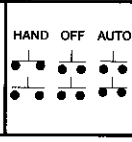
CS PILOT LIGHT (RED LED)/MOMENTARY START-STOP PUSH BUTTONS

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	VOLT	CONTACT BLOCKS	BUTTON COLOR	NAMEPLATE MARKING
CSF334PLR0U011U012 CSS334PLR0U011U012 CSC334PLR0U011U012			20V-254V, AC/DC	1 N.O. / 1 N.C. 1 N.O. / 1 N.C.	Green Red	Start Stop

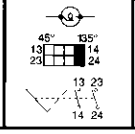
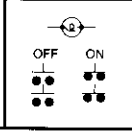
CS MAINTAINED 2-POSITION SELECTOR SWITCH

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	CONTACT BLOCKS	BUTTON COLOR	NAMEPLATE MARKING
CSF124N021 CSS124N021 CSC124N021			2-Pos./2-Pole	—	Off-On

CS MAINTAINED 3-POSITION SELECTOR SWITCH

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	CONTACT BLOCKS	BUTTON COLOR	NAMEPLATE MARKING
CSF124N273 CSS124N273 CSC124N273			3-Pos./2-Pole	—	H-O-A

CS PILOT LIGHT/MAINTAINED 2-POSITION SELECTOR SWITCH

CATALOG NUMBER	CONTACT ARRANGEMENT IEC	CONTACT ARRANGEMENT NEMA	VOLT	CONTACT BLOCKS	COLOR	NAMEPLATE MARKING
CSF224PLR0N021 CSS224PLR0N021 CSC224PLR0N021			20V-254V, AC/DC	2-Pos./2-Pole	Red LED	Off-On

Wiring entry: *4=3/4" NPT Bottom Feed. For other entries, see Wiring Entry Logic table at left.*
Housing material: *(F) FRP, (S) Stainless Steel, (C) Carbon Steel.*

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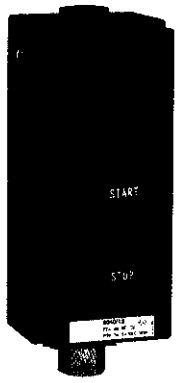
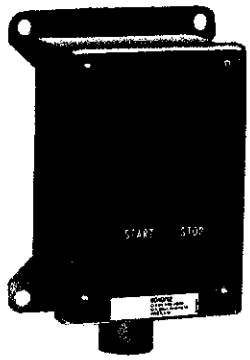
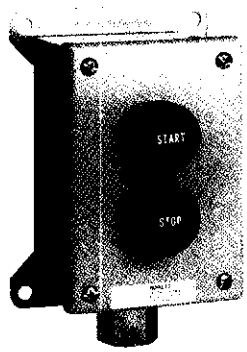


FRP Enclosure



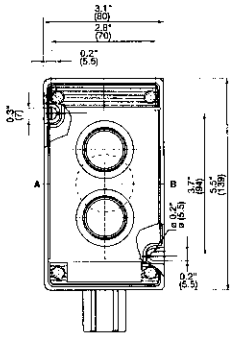
Stainless Steel Enclosure



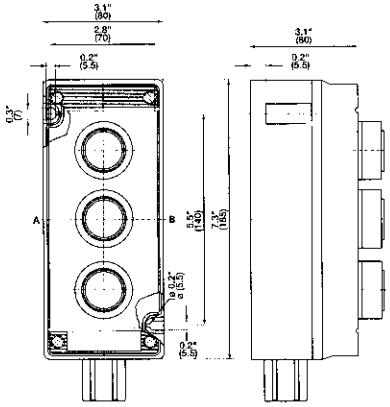
Painted Steel Enclosure

DIMENSIONS

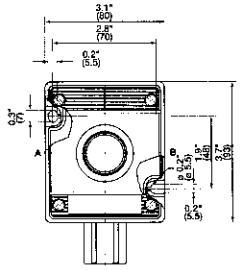
FRP Dimensions



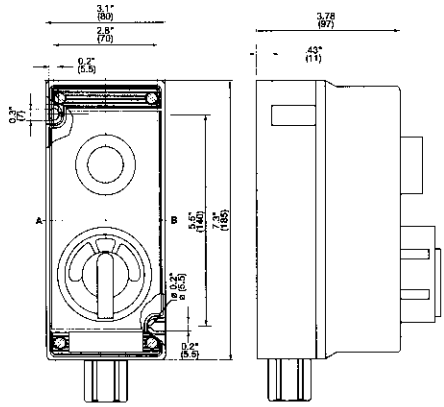
CSF12/CSF 22



CSF 33



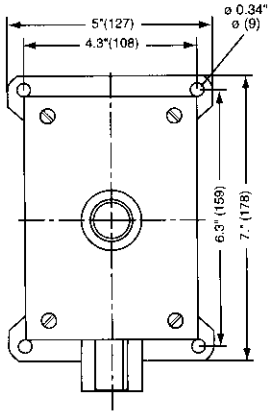
CSF 11 Compact



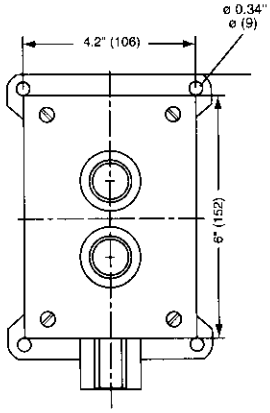
CSF Deep
for 4 Pole Switches

C

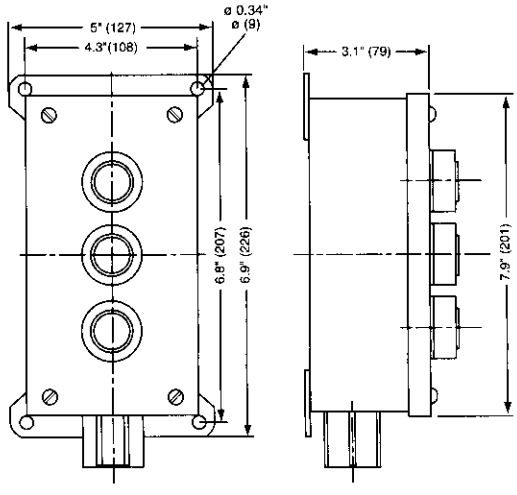
Steel Dimensions



CSS/CSC 12



CSS/CSC 22



CSC/CSS 33

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ENCLOSURE SPECIFICATION

Control Station	Material	Size	Entry Type
CS	[_]	[_ _]	[_]

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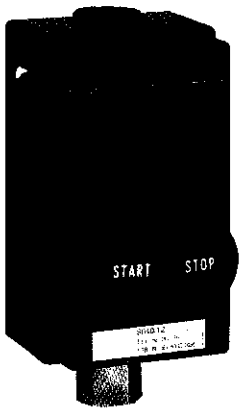
CONTROL STATIONS & PANELS

Use the logic on this and the following page to configure a custom station.

First check standard control station configurations on pages C7 & C8.

Note that not all combinations are possible due to space/actuator constraints.



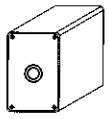
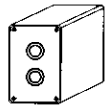
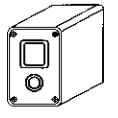
Pilot Light & 2 Push Button Station

Example:
CSF224PLR0U231

Material

- **F**–Fiberglass Reinforced Polyester
- **C**–CRS Steel Polyester Painted
- **S**–316 Stainless Steel

Size

- **11**–1 Device Compact (FRP Only)
- **12**–1-Device
- **22**–2-Device
- **33**–3-Device
- **64**–2-Device Expanded
-  **73**–1-Device Deep (FRP Only)
-  **84**–2-Device Deep (FRP Only)
- **42**–Ammeter
- **54**–Ammeter Plus 1 Device
-  **94**–Ammeter Plus 1 Device Deep (FRP Only)

CONDUIT HUB

- **0**–1/2" Hub top feed
- **1**–1/2" Hub bottom feed
- **2**–1/2" Hub feed-thru
- **3**–3/4" Hub top feed
- **4**–3/4" Hub bottom feed
- **5**–3/4" Hub feed-thru

COMPRESSION GLAND (M25)

- **6**–Gland top feed
- **7**–Gland bottom feed
- **8**–Gland feed-thru
- **9**–Special (specify)

THREADED OPENING*

- **A**–1/2" NPS plate top feed
- **B**–1/2" NPS plate bottom feed
- **C**–1/2" NPS plate feed-thru
- **D**– 3/4" NPS plate top feed
- **E**–3/4" NPS plate bottom feed
- **F**–3/4" NPS plate feed-thru
- **G**–1/2" NPS plug feed-thru
- **H**–3/4" NPS plug feed-thru

*Threaded opening for use with approved connectors, not for conduit (Suggested Killark MCX Series).

OTHER SPECIAL ENTRIES

Non-Metallic Cable Glands
- **J**–M20 gland bottom feed
- **K**–M20 gland feed-thru

Metal Clad Cable Connectors
- **Q**– MCX050 bottom feed
- **V**– MCX075 bottom feed

CSF Control Station Coupling
- **Z**–Coupling frame bottom

DEVICE SPECIFICATION (1, 2 OR 3 DEVICE)		
Top	Middle (or Ammeter Scale)	Bottom (if required)
[_ _ _ _]	[_ _ _ _]	[_ _ _ _]

DEVICES

PUSH BUTTONS USING CONTACT BLOCKS

Contact type	Push Button Actuator type	Legend
X–1 N.O.	**01**–Standard momentary	**0**–NONE
Y–1 N.C.	**02**–Booted momentary	**1**–START
U–1 N.O. / 1 N.C.	**03**–Black momentary small mushroom	**2**–STOP
O– 2 N.O	**12**–Black maintained small mushroom	**3**–ON
C–2 N.C.	**10**–Small maintained E-STOP mushroom	**4**–OFF
M–2 N.C. / 1 N.O.	**14**–Large red momentary mushroom	**5**–RUN
W–1 N.C. / 2 N.O.	**15**–Large maintained E-STOP mushroom	**6**–RESET
T–3 N.C.	**09**–E-STOP mushroom with key	**7**–OPEN
R–3 N.O.		**8**–CLOSE
		9–Special (specify)

Space Saving Double Push Button **23**–Double momentary
U–1 N.O. / 1 N.C. . . . . **U231**–START(1 NO)-STOP(1 NC). . . . . .or. . . . .**U239**–specify legends (1 NO,1 NC)
D–2 N.O. / 2 N.C. . . . . **D231**–START(2 NO)-STOP(2 NC). . . . . .or. . . . .**D239**–specify legend (2 NO,2 NC)
Note - 2 N.O./2 N.C. for use with enclosure sizes 12, 64 and 54.

SELECTOR SWITCH ACTUATOR

Contact type	Type	Legend
X–1 N.O.	**07**–Momentary 2-position key	**0**–NONE
Y–1 N.C.	**08**–Maintained 2-position key (Rem.in both)	**1**–OFF-ON
U–1 N.O. / 1 N.C.	**18**–Maintained 2-position key (Rem.left)	**2**–ON - OFF
O–2 N.O.	**28**–Maintained 2-position key (Rem.right)	**3**–HAND-OFF-AUTO
C–2 N.C.	**38**–Maintained 3-position key (Rem.Cntr)	**4**–LOCAL-REMOTE
	2R–Switch 2-position maintained	**5**–STOP-RUN-START
	2T–Switch 2-position momentary	**6**–O - I
	RR–Switch 3-position maintained	**7**–Blank one line of text
	RT–Switch 3-position momentary right	**8**–Blank two lines of text
	TR–Switch 3-position momentary left	**9**–Special (specify)
	TT–Switch 3-position momentary left & right	

PILOT LIGHTS

PL–Pilot light (LED)	**Color**	**Legend**
	A–Amber / yellow	Same number as push buttons
	B–Blue	
	G–Green	
	R–Red	
	W–White	

ILLUMINATED PUSHBUTTONS (MOMENTARY)

Color	Contact type	Legend
SA–Amber	**X**–1 N.O.	Same number as push buttons
SB–Blue	**Y**–1 N.C.	
SG–Green	**U**–1 N.O. / 1 N.C.	
SR–Red	**O**–2 N.O.	
SW–White	**C**–2 N.C.	

CONTROL SWITCHES

Actuator type	Switch arrangement	Legend
N–Non-locking	**2-pole, 2 digit**	**0**–NONE
S–Small locking	**02**–2-position standard OFF-ON	**1**– OFF-ON
L–Large locking	**05**–2-position standard ON-OFF	**2**– ON - OFF
	16–2-position standard LOCAL-REMOTE	**3**– HAND-OFF-AUTO
	27–3-position standard HAND-OFF-AUTO	**4**– LOCAL-REMOTE
	38–3-position standard STOP-RUN-START	**5**–STOP-RUN-START
	4-pole, 3 digit (deep enclosures only):	**6**–O - I
	102–2-position standard OFF-ON	**7**–Blank one line of text
	106–2-position LOCAL-REMOTE	**8**–Blank two lines of text
	119–3-position 4P HOA	**9**–Special (specify)
	See page C17 for other switch arrangements.	

SUFFIXES AND SPECIAL DEVICES

PUSH BUTTON LOCKOUT / GUARD

LK01–Standard momentary lockout (01)
LK02–Standard momentary exclusion (01)
LK03–Small mushroom guard (03,10,12)
LK10–Small mushroom lockout (03,10,12)
LK11–Small mushroom pin & chain lockout (03,10,12)
LK20–Small mushroom exclusion (03,10,12)
LK23–Double pushbutton lockout, 1-device (23)

Push Button Example:

CSF224 U011 U012 LK01–
FRP 2-Device Enclosure with 3/4" NPT Hub on bottom side + START pushbutton (1NO/1NC)+ Lockout STOP (1NO/1NC)

CSS125 C100 LK10– 316 SST 1-Device Enclosure with 3/4" NPT Feed Through + Red Mushroom E-STOP with lockout (2NC)

AMMETERS

Direct reading (2X overload)	Scales
AD–Ammeter for direct wiring	**0204**–0-0.02 / 0.04 A **1612**–0-0.06 / 0.12 A **0012**–0-1 / 2 A **0048**–0-4 / 8 A **1020**–0-10 / 20 A **1530**–0-15 / 30 A

Indirect for Control Transformer (2X overload)

A1–Ammeter 1 Amp control transformer or	**0015**–0-1/5	**5025**–0-50/250
	0210–0-2/10	**7537**–0-75/375
	2512–0-2.5/12.5	**1005**–0-100/500
	0525–0-5/25	**1507**–0-150/750
	1050–0-10/50	**2001**–0-200/1000
	1575–0-15/75	**2501**–0-250/1250
A5–Ammeter 5 Amp control transformer	**2010**–0-20/100	**3001**–0-300/1500
	3015–0-30/150	**6003**–0-600/3000
	4020–0-40/200	**8004**–0-800/4000

Ammeter Example:

CSF942 A1 2001 N 119 3 —
FRP Ammeter plus Deep Device Enclosure w/ 1/2" NPT Feed-through + Ammeter for CT 1A (scale 0-200A) + 4-pole control switch (Hand-Off-Auto)

POTENTIOMETERS UL PENDING

Dial Increments	Resistance (Ohm) Range:		
P1–0-10 scale	**01**–100	**06**–4.7K	**11**–220K
	02– 220	**07**–10K	**12**–470K
P2–0-100 scale	**03**–470	**08**–22K	**13**–1M
	04–1K	**09**–47K	**14**–2.2M
P6–0-6 scale	**05**–2.2K	**10**–100K	**15**–4.7M

Control stations can include terminals or plugged device openings for future use.

ACCESSORIES

T212–Terminals (8 x 12 AWG)
P733–Device close-up plug

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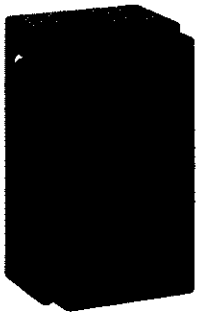

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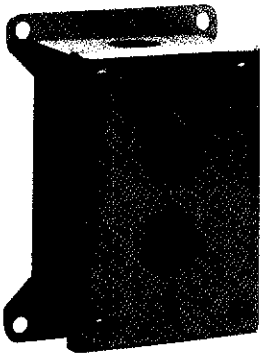
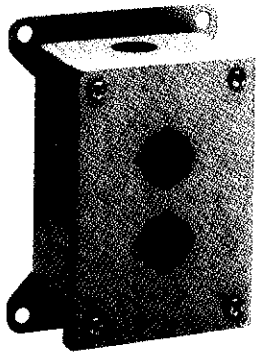


Stainless Steel



Epoxy Painted

System Certifications Apply

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

Features

- Control station housings available in 1 through 3 gang standard push button configurations as well as ammeter housings
- All boxes come standard with a "DIN like" rail for component snap-on-mounting. See components on following pages.
- A wide variety of conduit or cable entries can be specified

Technical Data-Housings

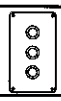
Housing Material and Gasketing

- Fiberglass Reinforced Polyester (FRP) with EPDM recessed gasketing
- 316 Stainless Steel with concealed die cut EPDM gasketing
- Carbon steel, epoxy painted with concealed die cut EPDM gasketing

Wiring Entry Logic

Insert one of the digits below to complete the box or box and cover part number.

BOXES WITH OPENINGS	
(for MC/TC/TECK Cable Connectors)	
1/2" NPT Top Feed	A
1/2" NPT Bottom Feed	B
1/2" NPT Feed Through	C
3/4" NPT Top Feed	D
3/4" NPT Bottom Feed	E
3/4" NPT Feed Through	F
BOXES WITH CONDUIT HUB	
1/2" NPT Top Feed	0
1/2" NPT Bottom Feed	1
1/2" NPT Feed Through	2
3/4" NPT Top Feed	3
3/4" NPT Bottom Feed	4
3/4" NPT Feed Through	5
BOXES WITH NON-METALLIC CABLE GLAND	
(Standard for IEC/CENELEC)	
M25 Compression Gland Top Feed	6
M25 Compression Gland Bottom Feed	7
M25 Compression Gland Feed Through	8
Special	9

CONTROL HOUSING – BOX AND COVER		
CATALOG NUMBER	DESCRIPTION	
SINGLE CONTROL OPENING		
CSF-124	FRP	
CSS-124	Stainless Steel	
CSC-124	Epoxy Painted Steel	
TWO CONTROL OPENING		
CSF-224	FRP	
CSS-224	Stainless Steel	
CSC-224	Epoxy Painted Steel	
THREE CONTROL OPENING		
CSF-334	FRP	
CSS-334	Stainless Steel	
CSC-334	Epoxy Painted Steel	
AMMETER OPENING		
CSF-424	FRP	
CSS-424	Stainless Steel	
CSC-424	Epoxy Painted Steel	
AMMETER OPENING AND SINGLE CONTROL DEVICE OPENING		
CSF-544	FRP	
CSS-544	Stainless Steel	
CSC-544	Epoxy Painted Steel	
EXPANDED TWO GANG (3 GANG BOX WITH 2 CONTROL DEVICE OPENINGS)		
CSF-644	FRP	
CSS-644	Stainless Steel	
CSC-644	Epoxy Painted Steel	
EXTRA DEEP SINGLE CONTROL DEVICE OPENING		
CSF-734	FRP	
EXTRA DEEP TWO CONTROL DEVICE OPENING		
CSF-844	FRP	
EXTRA DEEP AMMETER OPENING WITH SINGLE CONTROL OPERATOR		
CSF-944	FRP	
COMPACT SINGLE CONTROL DEVICE OPENING		
CSF-114	FRP	

Wiring entry: *4=3/4" NPT Bottom Feed.*
For other entries, see Wiring Entry Logic table at left.

Box and cover available separately.

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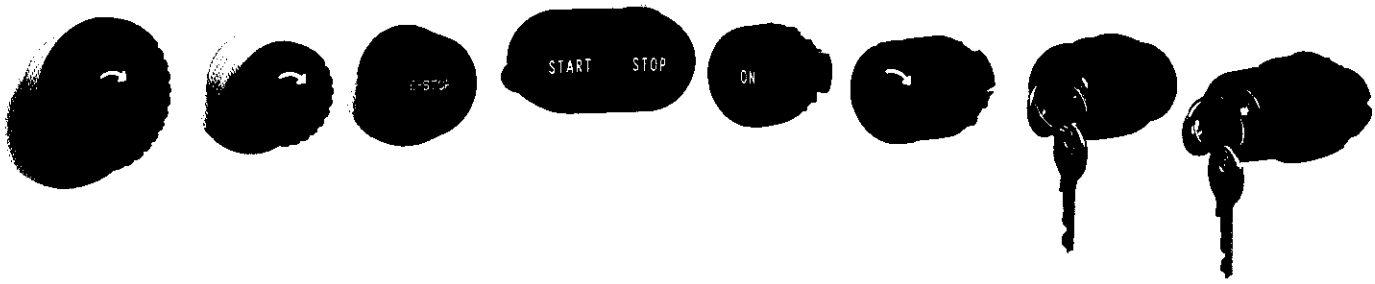


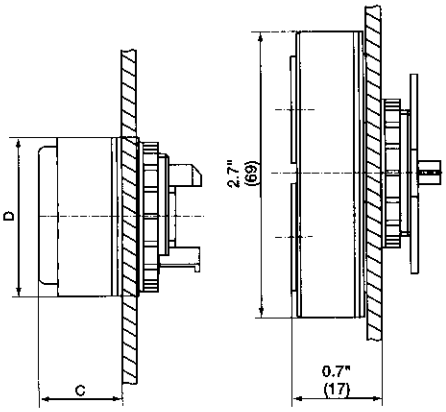
System Certifications Apply

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

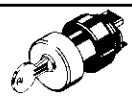
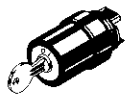
Features

- Push button actuators are for use with KSCB contact blocks.



Actuator | **Double Push Button Actuator**

ACTUATOR		
DESCRIPTION	DIMENSIONS	
	C	D
Standard momentary push button	0.7" (18)	1.5" (38)
Booted momentary push button	0.8" (20)	1.5" (38)
Mushroom push button	1.2" (31)	1.5" (38)
Key operated push button	1.7" (44)	1.5" (38)
Key operated switch	1.7" (44)	1.5" (38)
Mushroom E-Stop push button, key released	1.8" (46)	1.5" (38)
Small E-Stop red push button	1.2" (31)	1.5" (38)
Large E-Stop red push button	1.2" (31)	2.2" (55)

PUSH BUTTON ACTUATORS		
	CATALOG NUMBER	DESCRIPTION
SINGLE PUSH BUTTONS WITH BLACK LEGEND DISC		
	KSA-001	Standard Momentary Push Button (supplied with black legend disk*)
	KSA-002	Booted Momentary Push Button (supplied with black legend disk*)
MUSHROOM HEAD PUSH BUTTONS NO LEGEND DISCS		
	KSA-003	Black Mushroom Push Button 1-7/16" (38) momentary action. Provision for legend disc.
	KSA-012	Black Mushroom Maintained Push Button 1-7/16" (38) maintained action. Turn to release.
	KSA-010	Red Emergency Stop Push Button 1-7/16" (38) maintained action. Turn to release.
	KSA-014	Red Emergency Stop Jumbo Push Button 2-13/16" (55) momentary action. (Not acceptable for CENELEC/IEC applications.)
	KSA-015	Red Emergency Stop Jumbo Push Button 2-13/16" (55) maintained action. Turn to release.
	KSA-009	Keyed Red Emergency Stop Push Button 1-7/16" (38) maintained action. Key to release from maintained position.
ADDITIONAL PUSH BUTTON ACTUATORS		
	KSA-007	Key Operated Momentary Push Button Key removable in un-pressed position only.
	KSA-008-1 KSA-008-2 KSA-008-3	2 Position Keyed Switch Maintained Action Key removable, OFF-ON Key removable, OFF Key removable, ON
	KSA-308	3 Position Keyed Switch. Maintained Action Key removable, all positions
	KSA-023	Double Momentary Push Button Supplied with Green "Start" and Red "Stop" Legend Discs

*For other legend disks, see page C19.

C

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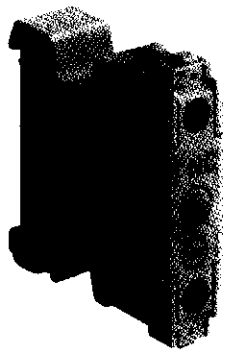
KILLARK®

Rotary Actuator



Contact Block

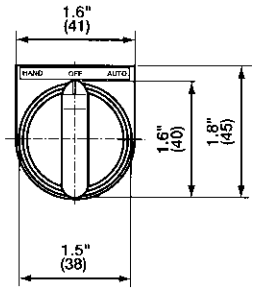
System Certifications Apply

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

Features

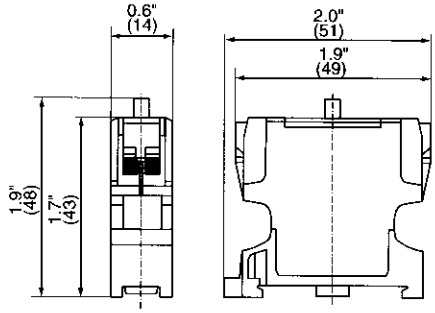
- Rotary actuators are for use with KSCB Series contact blocks



Rotary Actuator

- Contact blocks are available in two versions
  - –1N.C.
  - –1N.O.
- Explosion protected, DIN-like rail mounted block; NEMA A600 rated
- The single normally open or normally closed blocks can be combined to create other combinations

ROTARY ACTUATORS	
CATALOG NUMBER	DESCRIPTION
2 POSITION	
KSA-726-2R	Selector switch handle 2 position maintained
KSA-726-2T	Selector switch handle 2 position spring return from right
3 POSITION	
KSA-726-RR	Selector switch handle 3 position maintained
KSA-726-RT	Selector switch handle 3 position spring return to center from right
KSA-726-TR	Selector switch handle 3 position spring return to center from left
KSA-726-TT	Selector switch handle 3 position spring return to center from left and right



Contact Block, Single

CONTACT BLOCKS			
CATALOG NUMBER	CONTACT SYMBOLS		DESCRIPTION
	IEC	NEMA	
KSCB-NC	11 / 12		Contact block 1 Normally closed (1N.C.)
KSCB-NO	13 / 14		Contact block 1 Normally open (1N.O.)

TECHNICAL DATA – CONTACT BLOCKS		
	NEC/CEC	IEC
RATED VOLTAGE	600 VAC	500 VAC
CONTINUOUS CURRENT	10A	6A
TERMINALS	10A	6A
MECHANICAL LIFE	≥ 10^6 operations	
ELECTRICAL LIFE	≥ 10^5 operations	

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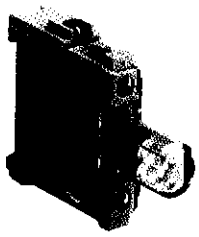
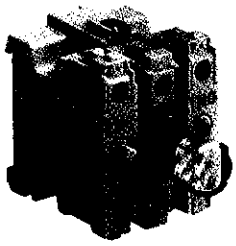


LED
Pilot Light

Bezel for
Pilot Light



LED Pilot Light and
Contact Blocks

Actuator

Illuminated Push Button

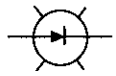
System Certifications Apply

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

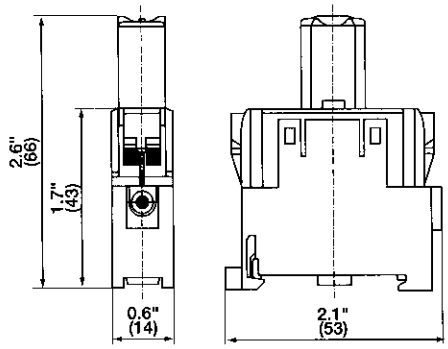
Features

- LED Pilot Lights accommodate any voltage from 20 to 250 volts, AC or DC
- High intensity LED's provide superior illumination levels that are easily viewable in direct sunlight from the front or side
- Long life and low temperature makes these units ideal for hazardous location applications
- Illuminated push buttons utilize KSCB contact blocks 1NO+1NC and LED pilot lights combined under a single operator to create an illuminated (also called push-to-test) push button
- By wiring components of the illuminated push button appropriately, different switching and indicating functions can be achieved

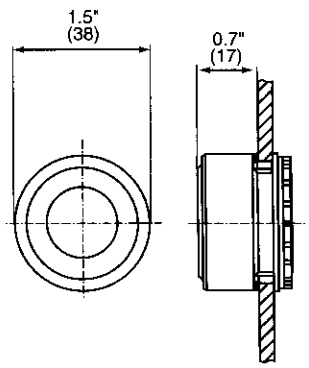
LED PILOT LIGHTS				
CATALOG NUMBER		SYMBOLS		COLOR
LED LAMP UNIT	BEZEL	IEC	NEMA	
KSLU-R	KSPLB-R			Red
KSLU-G	KSPLB-G			Green
KSLU-A	KSPLB-A			Amber
KSLU-B	KSPLB-B			Blue
KSLU-W	KSPLB-W			White

TECHNICAL DATA-PILOT LIGHTS	
Rated Voltage	20V-15%...254V+6%
Frequency	DC - 60 Hz
Rated Current	Max. 15mA
Rated Power	Max. 0.5 Watts
Electrical Life	100,000 hours (11 years)
Terminals	2.5mm² (12 AWG)

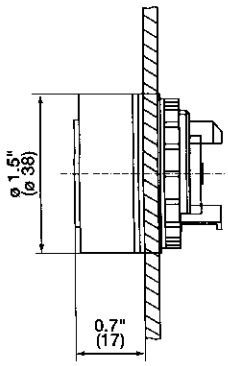
ILLUMINATED PUSH BUTTON (ACTUATOR ONLY) LED PILOT LIGHT AND CONTACT BLOCKS MUST BE ORDERED SEPARATELY	
CATALOG NUMBER	ACTUATOR (MOMENTARY CONTACT)
KSIPA-S	Includes red, green, amber, blue and white lenses



LED Pilot Light



Pilot Light Bezel



Illuminated
Push Button Actuator

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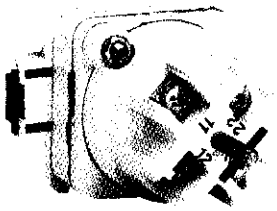
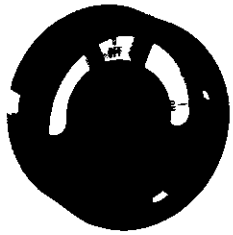
KILLARK®



Control Switch

Small Handle

Small Lockable Handle



Large Lockable Handle

System Certifications Apply

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

Features

- Control switches are rail mountable via a supplied adapter plate
- Control switch bodies are made from polyester and designed to safely contain the pressure generated by an internal explosion
- Switches are available in hundreds of different contact configurations
- Handles can be supplied with legend plates. See page C19

Control Switch Configuration Selection Information

Selector switch specification example:

KSS-038

The illustrations to the right show that there are three positions to which the handle can be turned - 45° left position, 90° center position and 135° right position.

The first contact, designated by terminal numbers 13-14, is open when the handle is in the left position (white box). It is also open at the center position (90°) and closes on the way between center and right. It is closed in the 135° right position (black box).

The second contact, designated by terminal numbers 23-24 is open at 45° (white box) and closes on the way between 45° and 90°. At 90° it is closed (black box), at 135° it remains closed (black box).

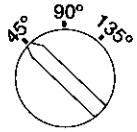
The terminal numbers are marked on the switch block.

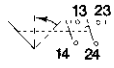
Selection charts for 2 pole and 4 pole control switches appear on following pages. Other contact configurations available upon request.

CONTROL SWITCH HANDLES	
CATALOG NUMBER	**DESCRIPTION**
KSRA-732	Small rotary actuator.
KSRA-734	Lockable, one position. Small rotary actuator.
KSRA-731*	Lockable. Large rotary actuator.

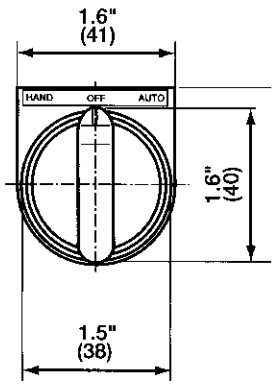
** Specify legend with order.*

TECHNICAL DATA – CONTROL SWITCHES		
	NEC/CEC	IEC
Rated Voltage	600V	690VAC
Rated Current	10A	16A
Mechanical Life	≥ 10^5 Operations	
Electrical Life	≥ 10^5 Operations	
Terminals	12AWG	2.5mm²

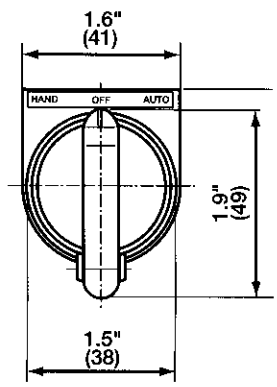


MAKE BREAK DIAGRAM	CONTACT ARRANGEMENT	SWITCH CATALOG NUMBER
		KSS-038

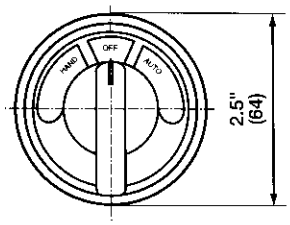
Note: The arrow denotes spring return from right to center. The contacts have been drawn in the 45° position. This is indicated by the solid 45° line.



KSRA-732



KSRA-734



KSRA-731

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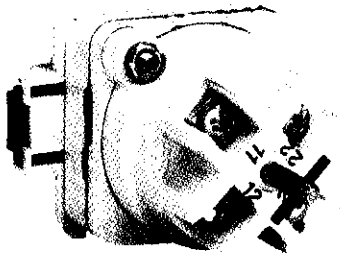
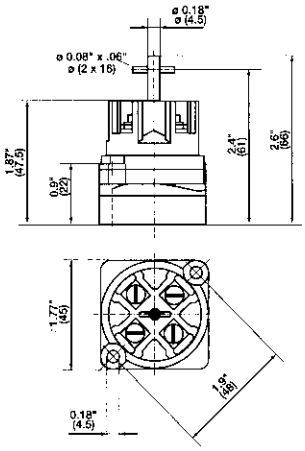


Control Switch

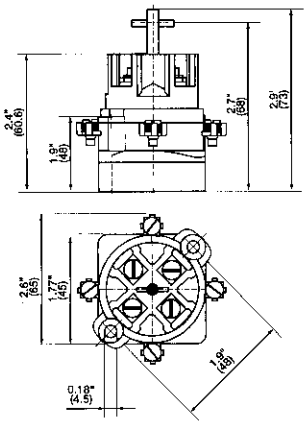
System Certifications Apply

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS



KSS 2 Pole
Control Switch



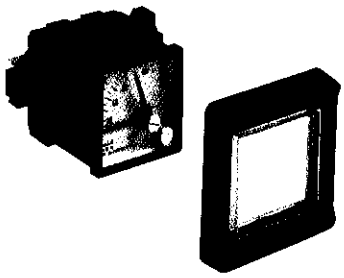
KSS 4 Pole
Control Switch

HUBBELL®
KILLARK®

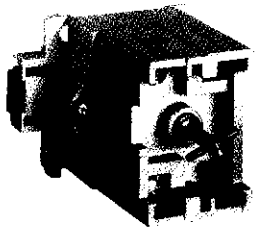
CONTROLS SWITCHES			
CATALOG NUMBER	POLES/POSITIONS	CONTACT SEQUENCE	CONTACT ARRANGEMENTS
KSS-002	2/2	45° 135° 13 14 23 24	13 23 14 24
KSS-005	2/2	45° 135° 11 12 21 22	11 21 12 22
KSS-016	2/2	45° 135° 11 12 23 24	11 23 12 24
KSS-027	2/3	45° 135° 11 12 23 24 90°	11 23 12 24
KSS-038	2/3	45° 135° 13 14 23 24 90°	13 23 14 24
KSS-040	2/3	45° 135° 13 14 23 24 90°	13 23 14 24
KSS-102①	4/2	45° 135° 13 14 23 24 33 34 43 44 90°	13 23 33 43 14 24 34 44
KSS-105①	4/2	45° 135° 11 12 21 22 31 32 41 42 90°	11 21 31 41 12 22 32 42
KSS-106①	4/2	45° 135° 13 14 23 24 31 32 41 42 90°	13 23 31 41 14 24 32 42
KSS-110①	4/4	0° 90° 11 12 23 24 33 34 43 44 45° 135°	11 23 31 43 12 22 34 44
KSS-119①	4/3	45° 135° 11 12 23 24 31 32 43 44 90°	11 23 31 43 12 24 32 44
KSS-129①	4/3	45° 135° 11 12 23 24 31 32 43 44 90°	11 23 31 43 12 24 32 44

①*NOTE: 4 pole Control Switches require installation in deep housing such as CSF73, CSF84, CSF94.*

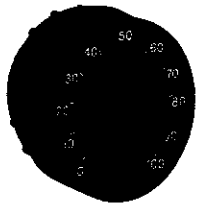
C



Ammeter with Bezel/Window



Potentiometer



Actuator for Potentiometer

System Certifications Apply

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

Features

- Ammeters are used to measure the current of a motor supply circuit in a potentially explosive atmosphere
- Available in both direct and indirect read versions (current transformer not included) with a slide in scale to accommodate any amperage scale required
- Iron core movement with accuracy of ± 2.5% over the full range
- Red pointer can be manually adjusted to compare actual value with the set value
- Potentiometers function as a variable resistor, and can be used to adjust resistance in a control circuit

TECHNICAL DATA – AMMETERS		
	NEC/CEC	IEC
Rated Insulated Voltage	600V	690V
Movement	Iron Core	
Power Consumption	0.2W max.	
Frequency	15-100Hz (DC available)	
Accuracy	2.5% of full range	

TECHNICAL DATA – POTENTIOMETERS	
Rated Power	2 Watt
Voltage Limit	450V
Resistance Values	100 Ohms to 4.7M Ohms
Characteristics	Linear
Resistance Tolerance	± 30%
Resistor Material	Carbon Composition
Adjustment Scale	270 Degrees
Terminals	12 AWG (2.5 mm²)

AMMETERS (INCLUDES BEZEL)		
CATALOG NUMBER	TYPE	MEASURING RANGE
KSM-AD-0204	Direct read (2x overload)	0-0.2/0.4A
KSM-AD-0612	Direct read (2x overload)	0-0.6/0.12A
KSM-AD-0012	Direct read (2x overload)	0-1/2
KSM-AD-0048	Direct read (2x overload)	0-4/8
KSM-AD-1020	Direct read (2x overload)	0-10/20
KSM-AD-1530	Direct read (2x overload)	0-15/30
KSM-A1-____	Indirect read (for current transformer)	1A Secondary, 2x or 5x Overload
KSM-A5-____	Indirect read (for current transformer)	5A Secondary, 2x or 5x Overload

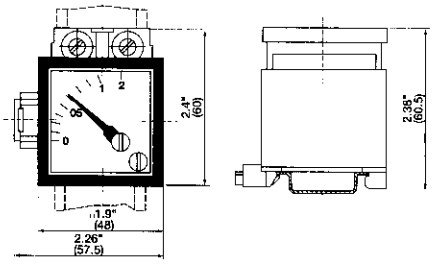
SCALE CODES

0015=0-1/5	**1050**=0-10/50	**4020**=0-40/200	**1005**=0-100/500	**2501**=0-250/1250
0210=0-2/10	**1575**=0-15/75	**5025**=0-50/250	**15075**=0-150/750	**3001**=0-300/1500
2512=0-2.5/12.5	**2010**=0-20/100	**7537**=0-75/375	**2001**=0-200/1000	**6003**=0-600/3000
0525=0-5/25	**3015**=0-30/150			

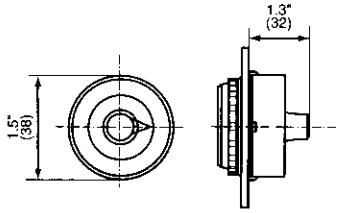
KSW-740	Replacement bezel/window

POTENTIOMETERS UL PENDING	
CATALOG NUMBER	RESISTANCE VALUES IN OHMS
KSPOT-__	01=100Ω 09=47KΩ
	02=220Ω 10=100KΩ
	03=470Ω 11=220KΩ
	04=1KΩ 12=470KΩ
	05=2.2KΩ 13=1MΩ
	06=4.7KΩ 14=2.2MΩ
	07=10KΩ 15=4.7MΩ
	08=22KΩ

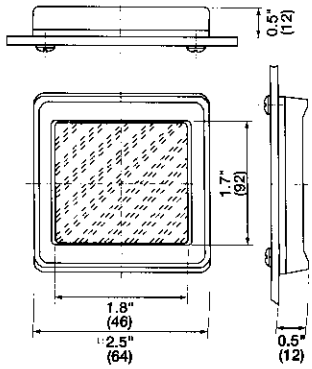
ACTUATOR FOR POTENTIOMETERS WITH DIAL SCALE	
CATALOG NUMBER	
KSA-P6	0-6
KSA-P10	0-10
KSA-P100	0-100



KSM Ammeter



Potentiometer Actuator



Ammeter Bezel/Window

HUBBELL®
KILLARK®

Push Button
Legend Disks

Small Control Switch
Legend Plates

Large Switch Handle
Insert Legend

Quick ID Kit

Station ID Tag

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

PUSH BUTTON LEGEND DISKS INSERT TYPE

CATALOG NUMBER	DESCRIPTION
KSL-140	Blank blue*
KSL-130	Blank yellow*
KSL-120	Blank red*
KSL-110	Blank green*
KSL-100	Blank white*
KSL-090	Blank Black*
KSL-870	Red **STOP**
KSL-880	Green **START**
KSL-900	Red **OFF**
KSL-920	Black **ON**
KSL-830	Green I
KSL-840	Green II
KSL-820	Red **O**
KSL-280	Red (Clockwise arrow)
KSL-020	Black **UP**
KSL-040	Black **DOWN**
KSL-070	Black **RUN**
KSL-060	Black **SLOW**
KSL-050	Black **FAST**
KSL-990	Black **CLOSE**
KSL-970	Black **OPEN**
KSL-960	Black **AUTO**
KSL-940	Black **RIGHT**
KSL-930	Black **LEFT**
KSL-950	Black **HAND**
KSL-080	Black **RESET**

Blank colored discs have a contrasting color underneath which can be engraved.

SMALL CONTROL SWITCH LEGEND PLATES

CATALOG NUMBER	DESCRIPTION
KSL-09850	Hand-O-Auto
KSL-08850	Off-On
KSL-07850	O-I
KSL-06850	I-II
KSL-05850	I-O-I
KSL-04850	O-I-II
KSL-02850	O-[Blank]-II
KSL-62296**	Blank-1 line
KSL-03959**	Blank-2 lines

INSERT TYPE LEGENDS FOR LARGE SWITCH HANDLE

CATALOG NUMBER	DESCRIPTION
KSL-18850	Hand-O-Auto
KSL-22850	Off-On
KSL-23856**	Blank

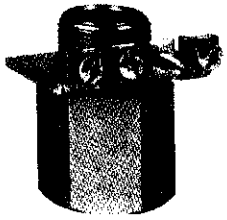
IDENTIFICATION LABELS

CATALOG NUMBER	DESCRIPTION
CSF-IDENT	CSF Control Station Quick Identification Kit (permits insertion of customer label)
KSL-162287**	Station Identification Tag provides for up to 2 lines, 14 characters per line (specify with order)

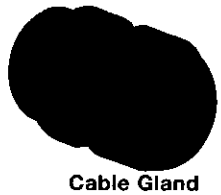
** *Specify engraving with order.*

C

HUBBELL®
KILLARK®

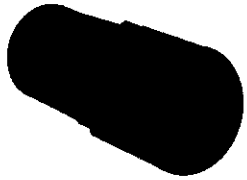

Conduit Hub Assembly

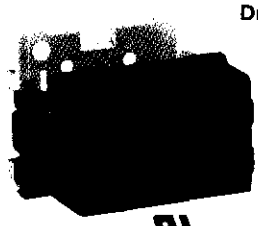
Internal Brass Plate


Cable Gland

Drain/Breather

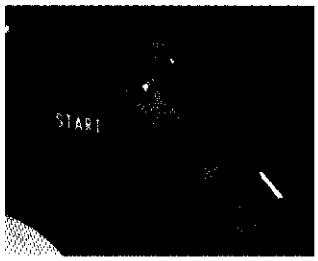
Blank Button


Actuator Wrench

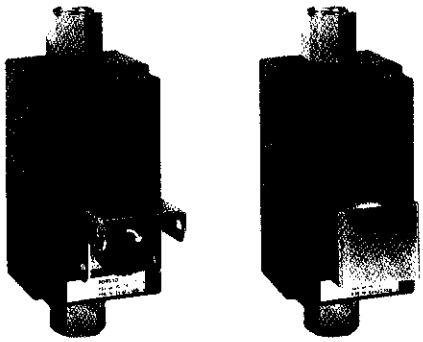

Terminal Block UL Approved

FEATURES-SPECIFICATIONS

CONDUIT & CABLE ENTRY	
CATALOG NUMBER	CONDUIT HUB ASSEMBLIES FOR CS SERIES (FRP) HOUSINGS
KSH-002F	3/4" NPT fixed conduit hub assembly (hub, brass plate and sealing washer)
CATALOG NUMBER	CONDUIT HUB ASSEMBLIES FOR CS SERIES (METAL) HOUSINGS
KSH-002M	3/4" NPT fixed conduit hub assembly (hub, locknut and sealing washer)
CATALOG NUMBER	INDIVIDUAL COMPONENTS
KSBP-M20	Internal brass plate (M20)
KSBP-M25	Internal brass plate (M25)
KSBP-001	Internal brass plate (1/2 NPT)
KSBP-002	Internal brass plate (3/4 NPT)
KSH-002	Fixed hub for 3/4 NPT conduit for M25 plate
KSAD011-3030	Fixed hub for 3/4 NPT conduit for 3/4" NPS plate
CGEA-CNA-80CM25	Nylon cable gland (gray) (M25) 9-13mm cable range
KSBF-M25	Drain/breather fitting



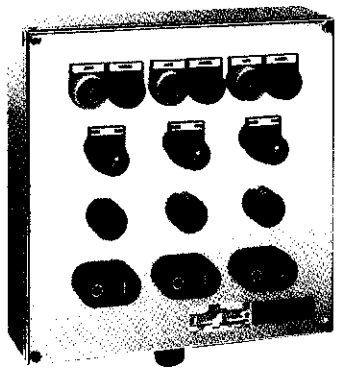
LK01 Installed


LK10 Installed

ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
KSP-733	Blank button (to blank operator opening)
KSW-305	Actuator wrench
KSTB-212	Terminal block with 8 terminals
LK01	Momentary PB lockout
LK02	Momentary PB exclusion
LK03	Small mushroom PB guard
LK10	Small mushroom lockout
LK11	Small mushroom pin & chain lockout
LK20	Small mushroom exclusion
LK23	Double push button lockout

HUBBELL
KILLARK

FRP
Size 08 Panel



Stainless Steel
Size 08 Panel

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G①
Class III
NEMA 3, 4, 4x
CENELEC-EEx ed IIC T6 IP66

Listed - Files E182378, E183415

Certified - Files LR99480-20, LR99480-22

PTB No. Ex-95.D.3155, Ex-96.D.3148

Requires factory assembly

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

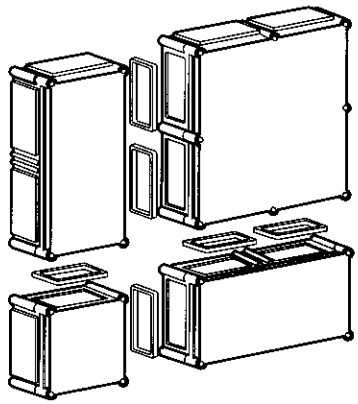
Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- Many different combinations of explosion protected electrical devices and wiring entries can be configured to suit any application

Features

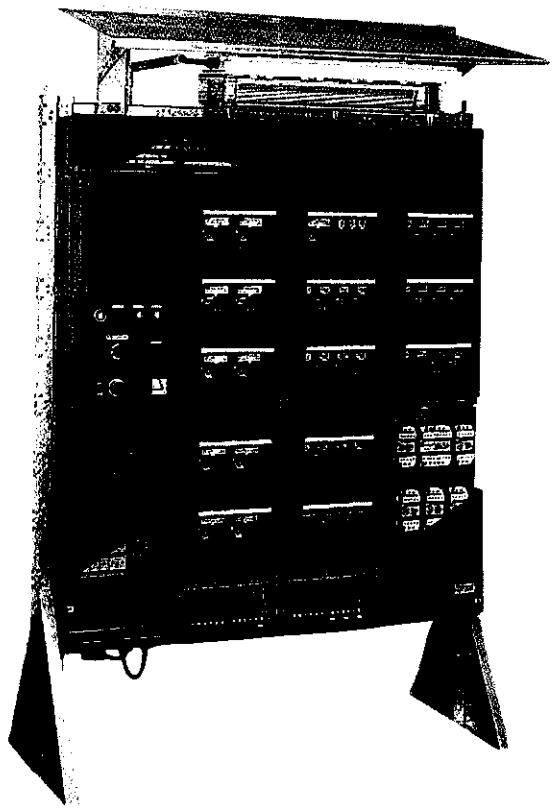
- Electrical devices – Ammeters, circuit breakers, disconnect and control switches, pilot lights, push buttons (momentary, maintained and illuminated), and more can be accommodated
- Modular Construction – Multiple enclosures can be coupled together using sealing frames to allow direct wire entry between enclosures
- Custom wiring entries – Choose between PVC-coated conduit hubs, compression, metal clad or other cable glands approved for area classifications
- Device mounting – Integral electrical devices snap to modified DIN rails or special mounting plates
- Cover hinges – Factory or field installed
- Grounding and bonding – Provisions provided
- Contact factory with application requirements

① *CSA Certified for Class II, Div. 1&2, EFG. UL Listed for Class II, Div. 2, FG.*



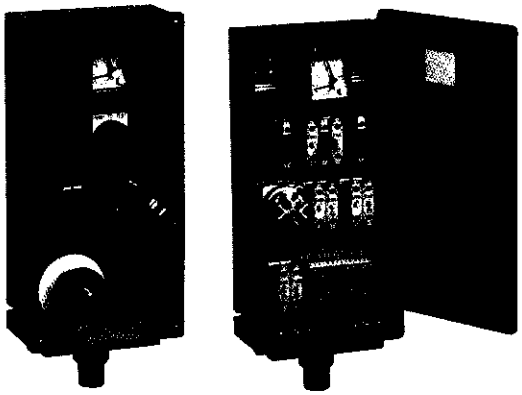
Modular Design

Flange Plates and Sealing Frames allow for coupling of individual enclosures to create larger units.

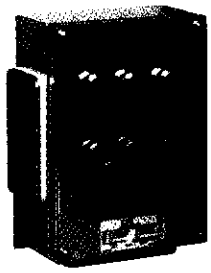


Explosion protected switching and distribution system
Circuit breaker distribution panels are another use of the versatile ConSpec modular enclosure system. Contact factory for ordering and certification details.

HUBBELL®
KILLARK®



FRP
Size 07 Panel



Stainless Steel
Size 06 Panel

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G ①
Class III
NEMA 3, 4, 4X
CENELEC-EEx ed IIC T6 IP66*

Listed - Files E182378, E183415

Certified - Files LR99480-20, LR99480-22

PTB No. Ex-95.D.3155, Ex-96.D.3148

Requires factory assembly

** Dependant on cable entry connector types*

FEATURES-SPECIFICATIONS

ConSpec®
CONTROL STATIONS & PANELS

Applications

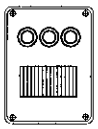
Designed for ConSpec control operators (featured on pages C13-C20), these enclosures use explosion protected components and increased safety terminals. Choose a panel configuration number and specify type of operators required.

Operators include:

- LED pilot lights
- Push buttons
- Illuminated push buttons
- Control switches
- Ammeters
- Potentiometers
- Terminal blocks

Wiring entry options include conduit hubs, compression, metal clad or other cable glands.

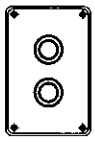
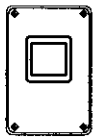
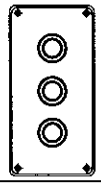
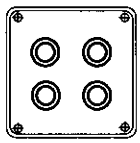
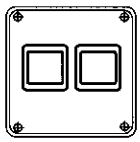
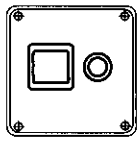
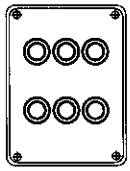
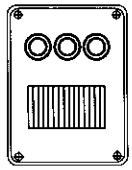
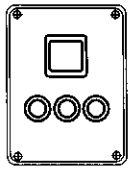
See pages C24 and C25 for enclosure dimensions.



Logic Example

CP F 06 1 A 03 O T

- **ConSpec Panel**
- **Encl. Material**
- **Encl. Size**
- **Encl. Depth**
- **Encl. Side Down**
- **# Device Openings**
- **# Ammeter Openings**
- **Terminal Rail**

TYPICAL PANEL CONFIGURATIONS			
CPF031D010	**CPF031D001**		FRP
			
CPF041A020	**CPF041A001**		FRP
CPB041A020	**CPB041A001**		Stainless Steel
CPA041A020	**CPA041A001**		Epoxy Painted Steel
			
CPF241A030			FRP
			
CPF051D040	**CPF051D002**	**CPF051D011**	FRP
CPB051D040	**CPB051D002**	**CPB051D011**	Stainless Steel
CPA051D040	**CPA051D002**	**CPA051D011**	Epoxy Painted Steel
			
CPF061A060	**CPF061A030T**	**CPF061A031**	FRP
CPB061A060	**CPB061A030T**	**CPB061A031**	Stainless Steel
CPA061A060	**CPA061A030T**	**CPA061A031**	Epoxy Painted Steel

① CSA Certified for Class II, Div. 1&2, EFG. UL Listed for Class II, Div. 2, FG.

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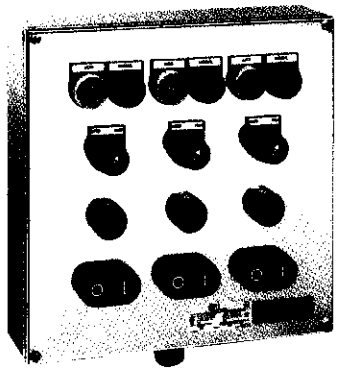
KILLARK®

FRP
Size 08 Panel



Stainless Steel
Size 08 Panel

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx ed IIC T6 IP66*

Listed - Files E182378, E183415

Certified - Files LR99480-20, LR99480-22

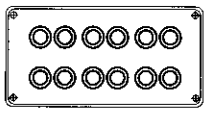
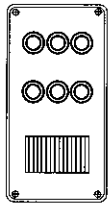
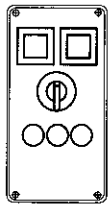
PTB No. Ex-95.D.3155, Ex-96.D.3148

Requires factory assembly

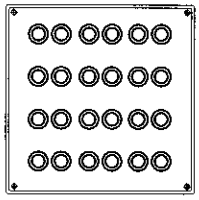
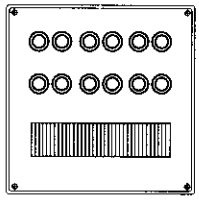
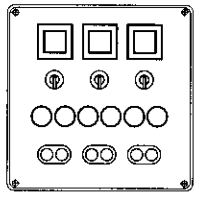
** Dependant on cable entry connector types*

FEATURES-SPECIFICATIONS

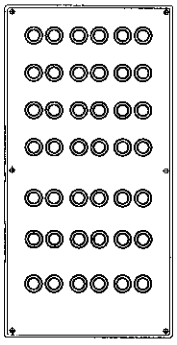
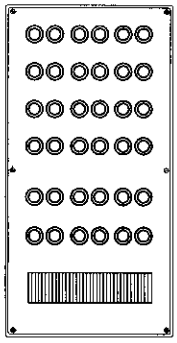
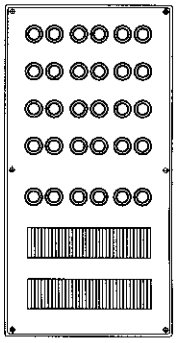
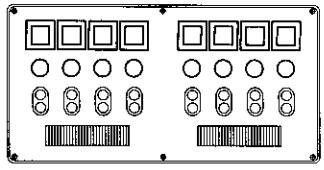
TYPICAL PANEL CONFIGURATIONS

CPF071D120	CPF071A060T	CPF071A042	FRP
CPB071D120	CPB071A060T	CPB071A042	Stainless Steel
CPA071D120	CPA071A060T	CPA071A042	Epoxy Painted Steel

CPF081D240	CPF081D120T	CPF081D123	FRP
CPB081D240	CPB081D120T	CPB081D123	Stainless Steel
CPA081D240	CPA081D120T	CPA081D123	Epoxy Painted Steel

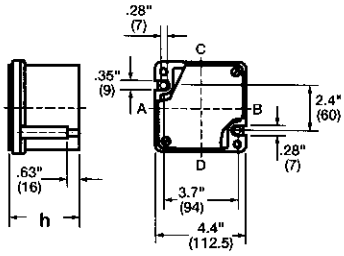





CPF091A420	CPF091A360T	CPF091A300TT	CPF091D168TT	FRP
CPB091A420	CPB091A360T	CPB091A300TT	CPB091D168TT	Stainless Steel
CPA091A420	CPA091A360T	CPA091A300TT	CPA091D168TT	Epoxy Painted Steel

①*CSA Certified for Class II, Div. 1&2, EFG. UL Listed for Class II, Div. 2, FG.*

HUBBELL
KILLARK

FRP ENCLOSURE DIMENSIONAL DATA



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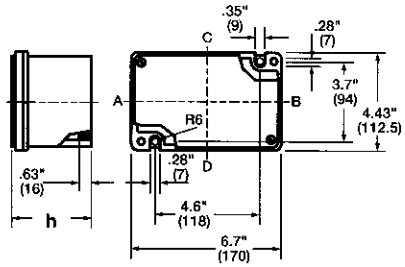

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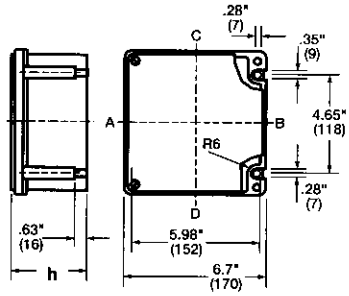

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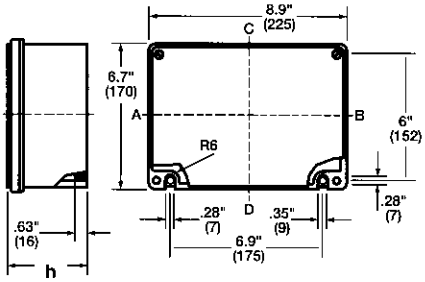

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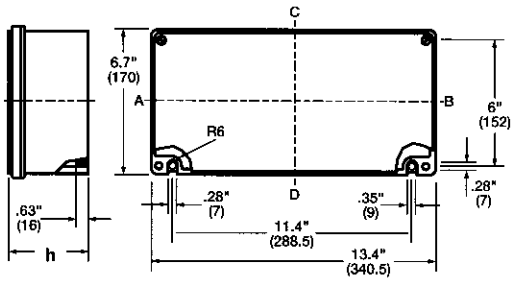

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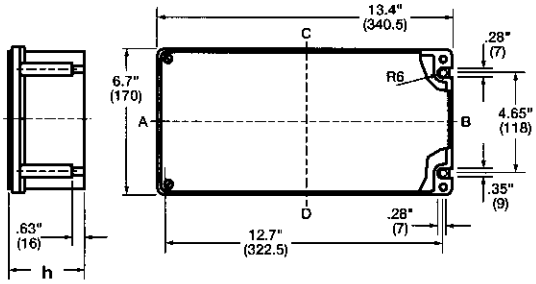
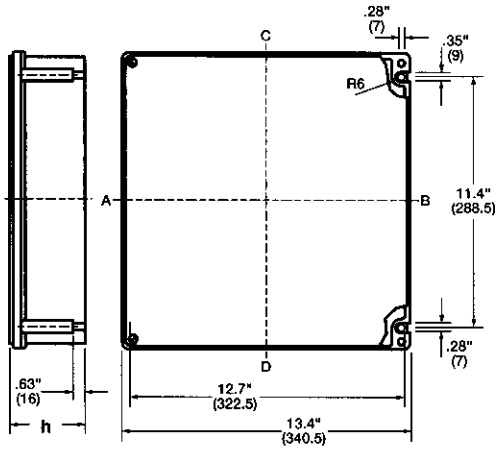


Size S7



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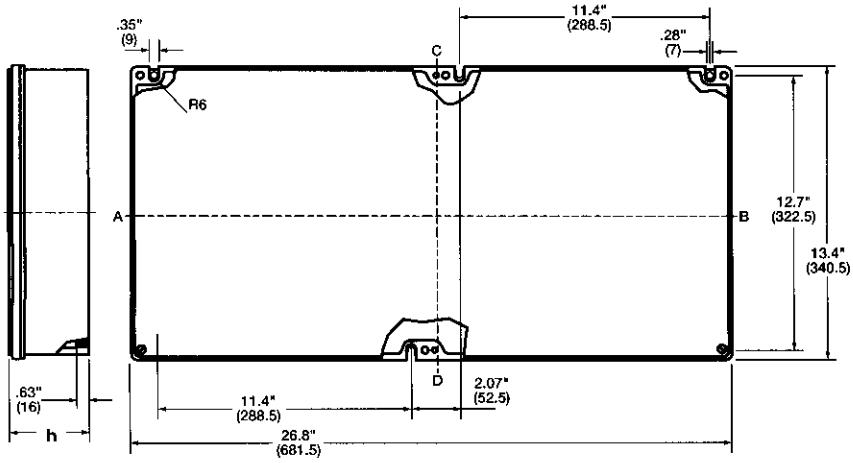
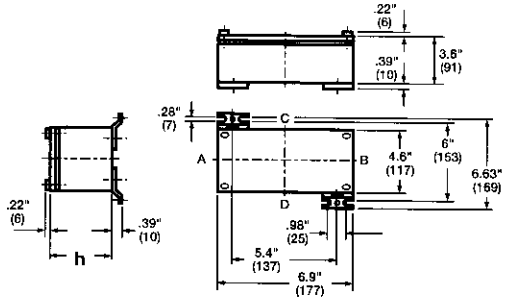


Size 09

AVAILABLE ENCLOSURE DEPTHS (h)						
ENCLOSURE SIZE	1 3.6" (91)	2 5.2" (131)	3 5.9" (150)	4 6.7" (171)	5 7.5" (190)	6 9" (230)
03	x	—	—	—	—	—
04	x	—	—	—	—	—
05	x	x	—	—	—	—
06	x	x	—	—	—	—
07	x	x	x	—	x	—
S7	x	—	x	—	—	—
08	x	x	x	x	x	x
09	x	x	x	—	x	—

HUBBELL
KILLARK®



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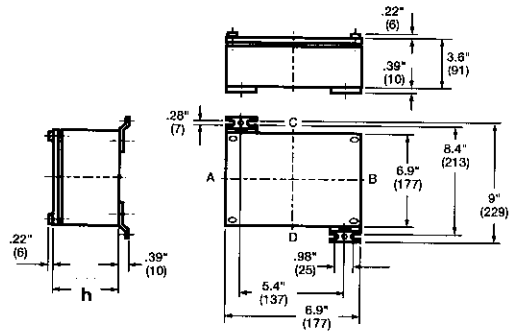

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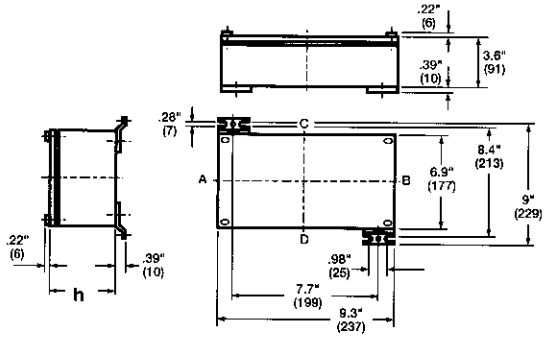

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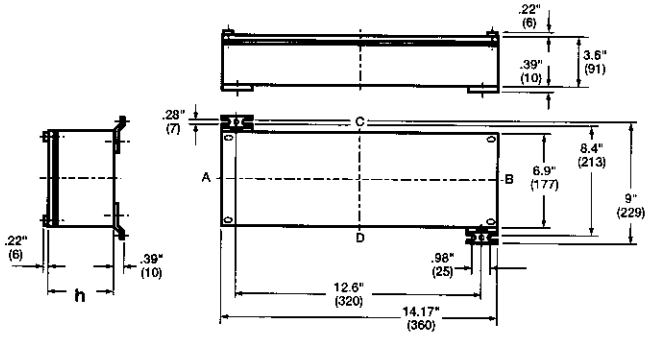
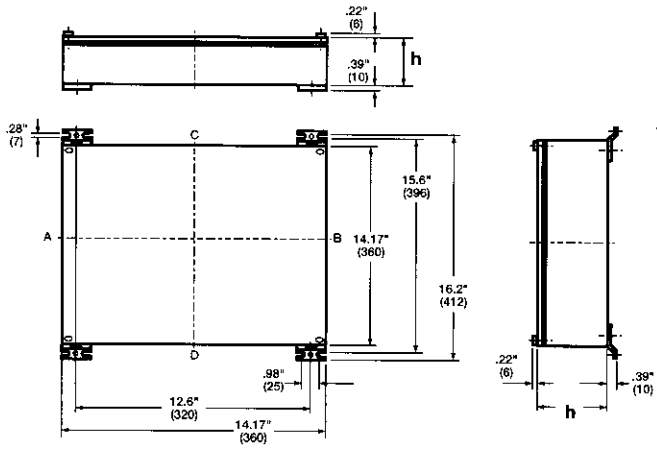


Size 07



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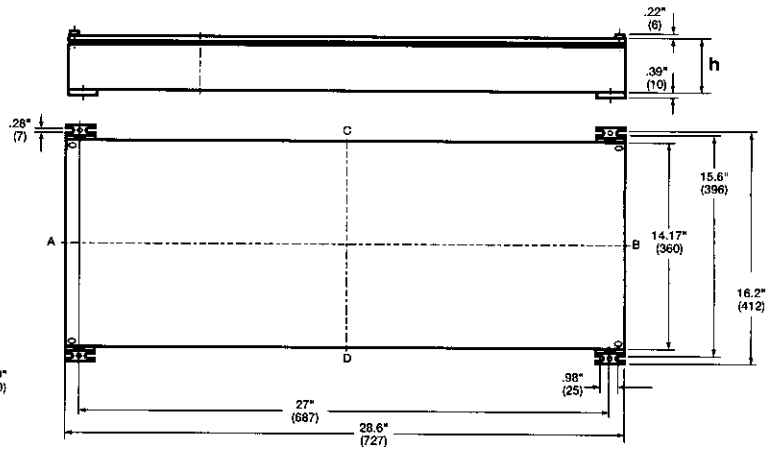

Size 09

AVAILABLE ENCLOSURE DEPTHS (h)				
ENCLOSURE SIZE	1 3.6"(91)	3 5.9"(150)	5 7.5"(190)	6 9"(230)
04	x	—	—	—
05	x	—	—	—
06	x	x	—	—
07	x	x	—	—
08	x	x	x	x
09	x	x	x	—

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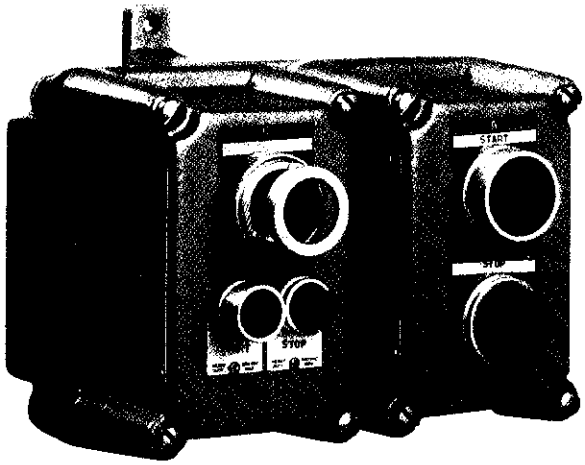
KILLARK



Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 7(C,D) 9(E,F,G)

Listed - File E53360

Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

SEAL-X™

Applications

SEAL-X™ Series Factory Sealed push button stations, selector switches, pilot lights and tumbler switches are used to prevent the igniting of external hazardous atmospheres by the enclosed arcing devices in such areas as:

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants and other processing or storage facilities where similar hazards exist
- Use in conjunction with magnetic starters or contactors for remote control of motors

Features

- Elimination of external sealing requirements
- Lower installation cost
- NEMA 3 weatherproof
- Color coded wiring-more wiring space-easier field installation
- Stainless steel captive screws for cover assembly
- Ground boss for grounding in the splice box
- Device bodies and covers are cast copper-free aluminum alloy
- Cast conduit hubs 1/2", 3/4" and 1" either dead end or feed through standard in both single and two gang assemblies
- Push button, selector switches and pilot light bodies are copper-free aluminum
- Operating shaft in both push buttons and selector switches are stainless steel
- Miniature and standard size push buttons. (Miniature 3/4" overall diameter, standard 1 3/8" overall diameter)

Factory Sealed devices eliminate the need for external sealing. The difference is the use of a sealing plate between the arcing device and the junction box. The sealing plate confines ignited gases, vapors, flames, or dust to the arcing device chamber, preventing them from traveling through the conduit system. Accurately ground flanges on both sides of the sealing plate provide flame-tight joints. Factory poured seals around the wiring pigtails insure safe sealing. (FXCS Series)

Electrical Rating

Push button stations, selector switches 600 VAC max. heavy duty.

Pilot light lamps are standard 120 VAC, 6 watt, type S6 candelabra base.

CONTACT BLOCK RATINGS				
CURRENT	120 VAC	240 VAC	480 VAC	600 VAC
INRUSH	60	30	15	12
BREAKING	6	3	1.5	1.2
CARRYING	10	10	10	10

DC RATINGS (MAX. AMPS)		
CURRENT	125 VAC	250 VAC
INRUSH	.55	.275
BREAKING	.55	.275
CARRYING	2.50	2.50

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
AL	Pilot light lens-amber
CL	Pilot light lens-clear
GL	Pilot light lens-green
RL	Pilot light lens-red
MR	Mushroom head-Push button (red)
LO	Push button LOCKOUT①
LOP	Selector switch-padlock LOCKOUT

① LOCKOUT must be installed at the factory. LED lamps available. See page C41.

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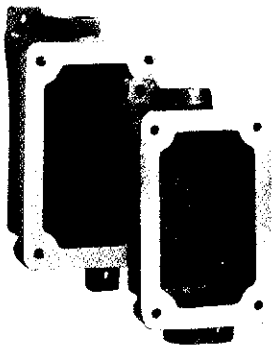
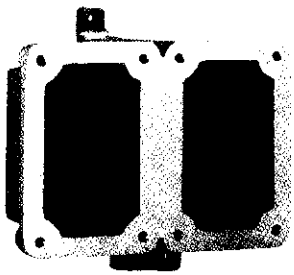
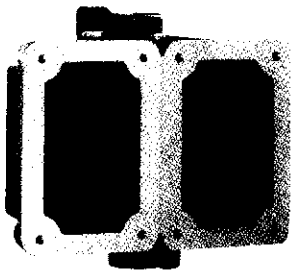


FXB-2 Dead End
FXB-5 Feed Thru



FXB-8 Double Gang Dead End



FXB-11 Double Gang Feed Thru

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. I & 2, Groups E,F,G
Class III
NEMA 3, 7(C,D) 9(E,F,G)

UL Listed - File E53360

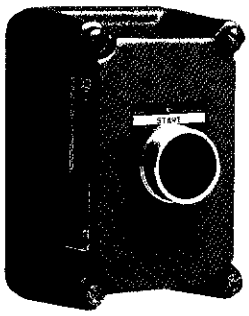
CSA Certified- File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

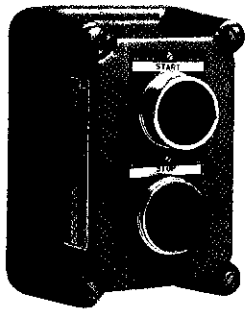
Splice Boxes
The FXB Series of splice boxes are designed for use with the FXCS and FXS Series of cover sub-assemblies.

FXB BACK BOX SELECTION AND DIMENSIONS

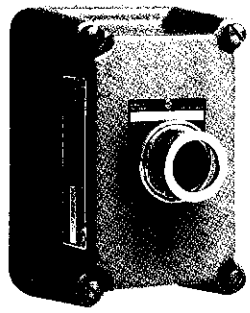
CATALOG NUMBER	DESCRIPTION	HUB SIZE	EXTERNAL			MOUNTING	
			LENGTH	WIDTH	DEPTH	VERTICAL	HORIZONTAL
FXB-1	Single gang/Dead-end	1/2"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-2	Single gang/Dead-end	3/4"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-3	Single gang/Dead-end	1"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-4	Single gang/Feed-thru	1/2"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-5	Single gang/Feed-thru	3/4"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-6	Single gang/Feed-thru	1"	6-13/16"	3-11/16"	1-3/4"	6-3/16"	2-1/4"
FXB-7	Double gang/Dead-end	1/2"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-8	Double gang/Dead-end	3/4"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-9	Double gang/Dead-end	1"	7	7-17/32"	2	6-3/16"	2-1/4"
FXB-10	Double gang/Feed-thru	1/2"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-11	Double gang/Feed-thru	3/4"	6-13/16"	7-17/32"	2	6-3/16"	2-1/4"
FXB-12	Double gang/Feed-thru	1"	7	7-17/32"	2	6-3/16"	2-1/4"



Single Push Button



Double Push Button



Pilot Light

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. I & 2, Groups E,F,G
Class III
NEMA 3, 7(C,D) 9(E,F,G)

Ⓤ Listed - File E53360 and/or E12379

Ⓒ Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

FXCS MOMENTARY CONTACT SINGLE PUSH BUTTON

COVER WITH DEVICE	CATALOG NUMBER COMPLETE UNITS (BOX & COVER) DEAD-END	FEED-THRU	HUB SIZE	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING①
FXCS-0B1	FXCS-1B1	FXCS-4B1	1/2"		Green	Stop
	FXCS-2B1	FXCS-5B1	3/4"			
FXCS-0B2	FXCS-1B2	FXCS-4B2	1/2"		Red	Start
	FXCS-2B2	FXCS-5B2	3/4"			
FXCS-0B3	FXCS-1B3	FXCS-4B3	1/2"		Black	Specify
	FXCS-2B3	FXCS-5B3	3/4"			

FXCS MOMENTARY CONTACT DOUBLE PUSH BUTTON

COVER WITH DEVICE	CATALOG NUMBER COMPLETE UNITS (BOX & COVER) DEAD-END	FEED-THRU	HUB SIZE	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING①
FXCS-0B4	FXCS-1B4	FXCS-4B4	1/2"		Green/Red	Star/Stop
	FXCS-2B4	FXCS-5B4	3/4"			
FXCS-0B4-U	FXCS-1B4U	FXCS-4B4-U	1/2"		Green/Red	Start/Stop
	FXCS-2B4U	FXCS-5B4-U	3/4"			
FXCS-0B5	FXCS-1B5	FXCS-4B5	1/2"		Green/Green	Start/Stop
	FXCS-2B5	FXCS-5B5	3/4"			
FXCS-0B7	FXCS-1B7	FXCS-4B7	1/2"		Black/Black	Specify
	FXCS-2B7	FXCS-5B7	3/4"			

FXCS PILOT LIGHT

COVER WITH DEVICE	CATALOG NUMBER COMPLETE UNITS (BOX & COVER) DEAD-END	FEED-THRU	HUB SIZE	DIAGRAM	VOLT	LENS COLOR②	NAMEPLATE MARKING①
FXCS-0B24CL	FXCS-1B24CL	FXCS-4B24CL	1/2"		120V	Clear	Specify
	FXCS-2B24CL	FXCS-5B24CL	3/4"				
FXCS-0B24GL	FXCS-1B24GL	FXCS-4B24GL	1/2"		120V	Green	Specify
	FXCS-2B24GL	FXCS-5B24GL	3/4"				
FXCS-0B24RL	FXCS-1B24RL	FXCS-4B24RL	1/2"		120V	Red	Specify
	FXCS-2B24RL	FXCS-5B24RL	3/4"				

① For other than standard marking, refer to the special feature section of price list.
② Lens colors other than listed may be specified by changing lens color suffix. See modifications page C26.
NOTE: Boxes and covers shipped separately.
**For control stations with 1" conduit openings or for double gang assemblies, order cover with device and box as separate components.*

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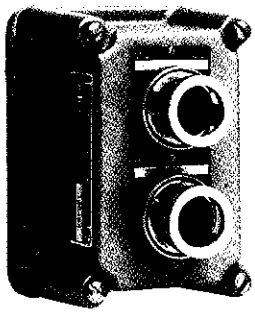
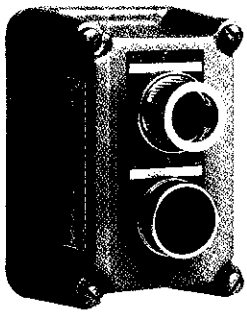
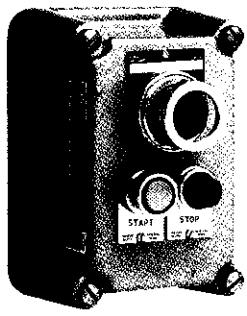


Double Pilot Lights



Pilot Light
Push Button



Pilot Light
Two Mini Push Buttons

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. I & 2, Groups E,F,G
Class III
NEMA 3, 7(C,D) 9(E,F,G)

Ⓤ Listed - File E53360 and /or E12379

Ⓒ Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

FXCS DOUBLE PILOT LIGHTS

CATALOG NUMBER			HUB SIZE	DIAGRAM	LAMP VOLTS	LENS COLOR②	NAMEPLATE MARKING①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)						
	DEAD-END	FEED-THRU					
FXCS-0B30CL	FXCS-1B30CL	FXCS-4B30CL	1/2"		120V	Clear	Specify
	FXCS-2B30CL	FXCS-5B30CL	3/4"				
FXCS-0B30GL	FXCS-1B30GL	FXCS-4B30GL	1/2"		120V	Green	Specify
	FXCS-2B30GL	FXCS-5B30GL	3/4"				
FXCS-0B30RL	FXCS-1B30RL	FXCS-4B30RL	1/2"		120V	Red	Specify
	FXCS-2B30RL	FXCS-5B30RL	3/4"				
FXCS-0B30RL-GL	FXCS-1B30RL-GL	FXCS-4B30RL-GL	1/2"		120V	Red/Green	Specify
	FXCS-2B30RL-GL	FXCS-5B30RL-GL	3/4"				

FXCS MOMENTARY CONTACT PUSH BUTTON AND PILOT LIGHT

CATALOG NUMBER			HUB SIZE	DIAGRAM	LAMP VOLTS	BUTTON COLOR	LENS COLOR②	NAMEPLATE MARKING①	
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)							BUTTON	LENS
	DEAD-END	FEED-THRU							
FXCS-0B13-C	FXCS-1B13-C	FXCS-4B13-C	1/2"		120V	Red	Clear	Stop	Specify
	FXCS-2B13-C	FXCS-5B13-C	3/4"						
FXCS-0B13-O	FXCS-1B13-O	FXCS-4B13-O	1/2"		120V	Green	Green	Start	Specify
	FXCS-2B13-O	FXCS-5B13-O	3/4"						
FXCS-0B13-U	FXCS-1B13-U	FXCS-4B13-U	1/2"		120V	Black	Red	Specify	Specify
	FXCS-2B13-U	FXCS-5B13-U	3/4"						

FXCS MOMENTARY CONTACT 2 MINI PUSH BUTTON AND 1 PILOT LIGHT

CATALOG NUMBER			HUB SIZE	DIAGRAM	BUTTON COLOR	LENS COLOR②	NAMEPLATE MARKING①	
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)						BUTTON	LENS
	DEAD-END	FEED-THRU						
FXCS-0A15	FXCS-1A15	FXCS-4A15	1/2"	120 VAC	Red/Green	Red	Stop Start	Specify
	FXCS-2A15	FXCS-5A15	3/4"					

① *For other than standard marking, refer to the special feature section of price list.*
② *Lens colors other than listed may be specified by changing lens color suffix. See modifications page C26.*
NOTE: Boxes and covers shipped separately.
**For control stations with 1" conduit opening or for double gang assemblies, order cover with device and box as separate components.*

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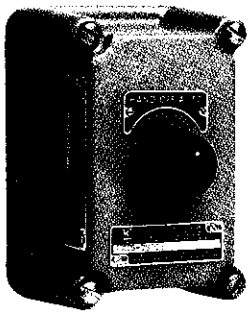
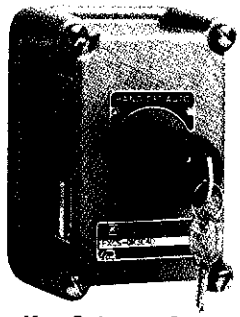
FXCS SERIES • CONTROLS
FACTORY SEALED COVER ASSEMBLIES



Selector Switch



Key Selector Switch

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 7(C,D) 9(E,F,G)

UL Listed - File E53360 and/or E12379

CSA Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

FXCS TWO POSITION SELECTOR SWITCH – MAINTAINED CONTACT①

CATALOG NUMBER							LEFT POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU				
FXCS-0S2A1	1/2"	FXCS-1S2A1	FXCS-4S2A1	FXCS-0K2A1	FXCS-1K2A1	FXCS-4K2A1				
FXCS-0S2A1	3/4"	FXCS-2S2A1	FXCS-5S2A1		FXCS-2K2A1	FXCS-5K2A1				
FXCS-0S2A5	1/2"	FXCS-1S2A5	FXCS-4S2A5	FXCS-0K2A5	FXCS-1K2A5	FXCS-4K2A5				
FXCS-0S2A5	3/4"	FXCS-2S2A5	FXCS-5S2A5		FXCS-2K2A5	FXCS-5K2A5				

FXCS THREE POSITION SELECTOR SWITCH – MAINTAINED CONTACT①

CATALOG NUMBER							LEFT POSITION		CENTER POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU						
FXCS-0S3C4	1/2"	FXCS-1S3C4	FXCS-4S3C4	FXCS-0K3C4	FXCS-1K3C4	FXCS-4K3C4						
FXCS-0S3C4	3/4"	FXCS-2S3C4	FXCS-5S3C4		FXCS-2K3C4	FXCS-5K3C4						
FXCS-0S3C5	1/2"	FXCS-1S3C5	FXCS-4S3C5	FXCS-0K3C5	FXCS-1K3C5	FXCS-4K3C5						
FXCS-0S3C5	3/4"	FXCS-2S3C5	FXCS-5S3C5		FXCS-2K3C5	FXCS-5K3C5						

FXCS TWO POSITION SELECTOR SWITCH – SPRING RETURNED①

CATALOG NUMBER							LEFT POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU				
FXCS-0S2L3F	1/2"	FXCS-1S2L3F	FXCS-4S2L3F	FXCS-0K2L3F22D	FXCS-1K2L3F22D	FXCS-4K2L3F22D				
FXCS-0S2L3F	3/4"	FXCS-2S2L3F	FXCS-5S2L3F		FXCS-2K2L3F22D	FXCS-5K2L3F22D				

TYPE OPERATION — Spring return to left from right — Maintained in left — 1 N.O. Contact — 1 N.C. Contact

FXCS THREE POSITION SELECTOR SWITCH – SPRING RETURNED①

CATALOG NUMBER							LEFT POSITION		CENTER POSITION		RIGHT POSITION	
STANDARD COVER WITH DEVICE	HUB SIZE	STANDARD COMPLETE UNITS (BOX & COVER)		KEYED COVER WITH DEVICE	KEYED COMPLETE UNITS② (BOX & COVER)		LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT	LEFT CONTACT	RIGHT CONTACT
		DEAD-END	FEED-THRU		DEAD-END	FEED-THRU						
FXCS-0S3M6G	1/2"	FXCS-1S3M6G	FXCS-4S3M6G	FXCS-0K3M6G32D	FXCS-1K3M6G32D	FXCS-4K3M6G32D						
FXCS-0S3M6G	3/4"	FXCS-2S3M6G	FXCS-5S3M6G		FXCS-2K3M6G32D	FXCS-5K3M6G32D						
FXCS-0S3L6G	1/2"	FXCS-1S3L6G	FXCS-4S3L6G	FXCS-0K3L6G32D	FXCS-1K3L6G32D	FXCS-4K3L6G32D						
FXCS-0S3L6G	3/4"	FXCS -2S3L6G	FXCS-5S3L6G		FXCS-2K3L6G32D	FXCS-5K3L6G32D						
FXCS-0S3L6G	1/2"	FXCS-1S3R6G	FXCS-4S3R6G	FXCS-0K3R6G32D	FXCS-1K3R6G32D	FXCS-4K3R6G32D						
FXCS-0S3L6G	3/4"	FXCS-2S3R6G	FXCS-5S3R6G		FXCS-2K3R6G32D	FXCS-5K3R6G32D						

TYPE OPERATION — Spring return to center from left or right — Maintained in center — 2 N.O. Contacts

TYPE OPERATION — Spring return to center from right — Maintained center and left 2 N.O. Contacts

TYPE OPERATION — Spring return to center from left — Maintained center and right 2 N.O. Contacts

① *Nameplates are double sided.*
For other than standard marking, refer to the special feature section of the price list.
STANDARD NAMEPLATE MARKINGS — 2 POSITION — Blank or Off-On — 3 POSITION — Blank or Hand-Off-Auto.

② *Key operated selector switches are randomly keyed with keys removable in all positions.*
For keyed alike or key removable in other than all positions contact factory.

For control stations with 1" conduit opening or for double gang assemblies, order cover with device and box as separate components.

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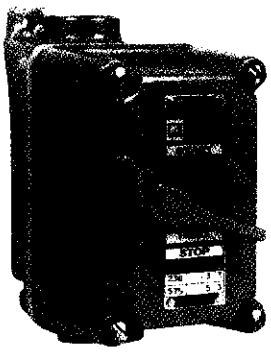
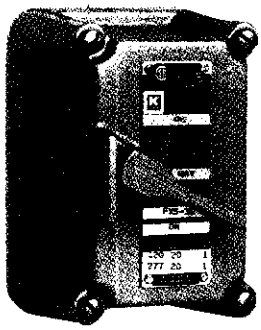
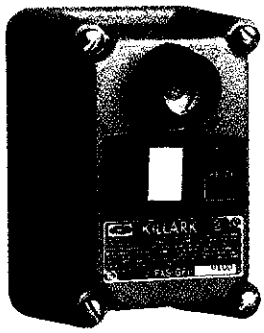




Tumbler Switches



Ground Fault Interrupter

Class I, Div. I & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 7(C,D) 9(E,F,G)

FEATURES-SPECIFICATIONS

Applications

FXS Tumbler Switches are suitable for applications where making, breaking or changing connections in an electrical circuit is required and where conditions of load do not exceed the switch ratings.

Listed - File E53360 and/or Ffile E10501

Certified - File LR11714
See files for details or call Killark.

Applications

FXS Ground Fault Interrupters are designed to interrupt a circuit when a ground fault is detected on equipment which may be handled by personnel in hazardous locations.

Features

- Test and Reset push buttons are provided on cover assembly. Unit should be tested monthly
- Long life neon pilot light remains on when circuit is energized, shuts off when circuit is interrupted
- Exterior gasket provides NEMA 3 weatherproof protection
- Ground boss for grounding in the splice box
- Color coded wiring
- Captive cover bolts are made from stainless steel

Electrical Rating

GFI units are rated at 20A, 120 VAC, 60HZ. Class A.

4-6 miliamp trip setting

Trip Time-UL Curve

Listed - File E80595

Certified - File LR61895
See files for details or call Killark.

FXS TUMBLER SWITCHES

CATALOG NUMBER			HUB SIZE	SWITCH STYLE	SWITCH RATING 120/277 VAC, 1Ø
COMPLETE UNIT (BOX, COVER AND SWITCH)					
COVER WITH SWITCH	DEAD-END	FEED-THRU			
FXS-1C	FXS-11C	FXS-41C	1/2"	1-POLE	20 A
	FXS-21C	FXS-51C	3/4"		
FXS-2C	FXS-12C	FXS-42C	1/2"	2-POLE	20 A
	FXS-22C	FXS-52C	3/4"		
FXS-8C	FXS-18C	FXS-48C	1/2"	3-POLE	①
	FXS-28C	FXS-58C	3/4"		
FXS-3C	FXS-13C	FXS-43C	1/2"	3-WAY/ SPDT (No off)	20 A
	FXS-23C	FXS-53C	3/4"		
FXS-5C	FXS-15C	FXS-45C	1/2"	SPDT (Center off)	20 A
	FXS-25C	FXS-55C	3/4"		
FXS-6C	FXS-16C	FXS-46C	1/2"	DPDT (No off)	20 A
	FXS-26C	FXS-56C	3/4"		
FXS-1D	FXS-11D	FXS-41D	1/2"	1-POLE	30 A
	FXS-21D	FXS-51D	3/4"		
FXS-2D	FXS-12D	FXS-42D	1/2"	2-POLE	30 A
	FXS-22D	FXS-52D	3/4"		
FXS-4C	—	—	—	4-WAY	20 A

① *Rated 15 amperes, 240/480 VAC., 3Ø; 3HP-240 VAC., 5 HP-480 VAC.*

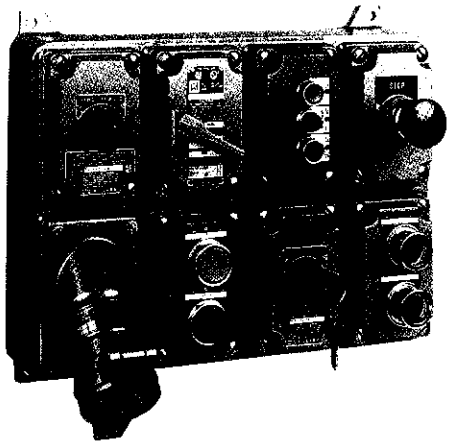
FXS GROUND FAULT INTERRUPTER†

CATALOG NUMBER			HUB SIZE	
COMPLETE UNIT	COVER ASSEMBLY	BACK BOX*		
FXS-GFI-1020	FXS-GFI	FXB-1	DEAD END	1/2"
FXS-GFI-2020	FXS-GFI	FXB-2		3/4"
FXS-GFI-3020	FXS-GFI	FXB-3		1"
FXS-GFI-1120	FXS-GFI	FXB-4	FEED THRU	1/2"
FXS-GFI-2120	FXS-GFI	FXB-5		3/4"
FXS-GFI-3120	FXS-GFI	FXB-6		1"

For control stations with 1" conduit opening or for double gang assemblies, order cover with device and box as separate components.
**Boxes and covers shipped separately.*
†See page DE23 for additional ground fault control stations.

HUBBELL
KILLARK®

XCS/XS/SWB SERIES • CONTROLS
CONTROL STATIONS EXTERNAL SEALING REQUIRED



Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

Ⓤ Listed - File E53360

Ⓒ Certified - File LR11714, LR11712
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications
- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fiber or flyings
- Installations at petroleum refineries, chemical and petrochemical plants and other processing or storage facilities where similar hazards exist
- Use in conjunction with magnetic starters or contactors for remote control of motors

Features
- Device bodies and covers are cast copperfree Aluminum alloy and provide a wide assortment for custom assemblies
- Cast conduit hubs 1/2", 3/4" and 1" either dead end or feed thru standard in both single and two gang, SWB-1 thru SWB-12 device bodies
- SWB-13 thru SWB-38 are designed for custom drilled and tapped conduit openings on all four sides and the back
- Ground flange joint between bolted cover and box provide required flame path
- Push button, selector switches and pilot light operator bodies are copper-free aluminum
- Operating shaft in both push buttons and selector switches are stainless steel
- Open space between gangs for easy wiring from one cover to another
- Pilot light lamps are standard 120 VAC, 6 Watt, type S6 candelabra base
- Cover Bolts: Steel with a cadmium plate, gold chromate finish, or zinc plate with yellow chromate finish
- Miniature and standard size push buttons. (Miniature 3/4" overall diameter, standard 1-3/8" overall diameter.)
- Contact blocks are rated heavy duty, 600 VAC max
- Internal ground screw

Electrical Rating
Push button stations, selector switches heavy duty 600 VAC max.

Pilot lights 120 VAC.

XCS Special Assemblies
To order XCS cover assemblies for use with multi-gang or 1" hub type SWB Series splice boxes, simply order as follows:

Example: **XCS-0B1** — Cover Assembly
SWB-6 — Splice box with 1" feed thru hubs

Example: **XCS-0B1** — Cover Assembly
XCS-0B24RL — Cover Assembly
SWB-12 — Double gang splice box

NOTE: Splice boxes and cover assemblies are packaged in separate cartons.

CONTACT BLOCK RATINGS				
CURRENT	120 VAC	240 VAC	480 VAC	600 VAC
INRUSH	60	30	15	12
BREAKING	6	3	1.5	1.2
CARRYING	10	10	10	10

DC RATINGS (MAX. AMPS)		
CURRENT	125 VAC	250 VAC
INRUSH	.55	.275
BREAKING	.55	.275
CARRYING	2.50	2.50

MODIFICATIONS	
CATALOG SUFFIX	DESCRIPTION
AL	Pilot light lens-amber
CL	Pilot light lens-clear
GL	Pilot light lens-green
RL	Pilot light lens-red
T2	①Pilot light transformer — 220/110VAC
T4	①Pilot light transformer — 440/110VAC
MR	Mushroom head push button (red)
LO	Push button lockout
LOP	Selector switch padlock-lockout
SU1	Stainless steel cover screws

① One transformer required for each pilot light. Deep device bodies required for all except single pilot light units when transformers are used.

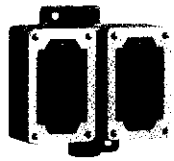
LED lamps available. *See page C41.*

HUBBELL
KILLARK®

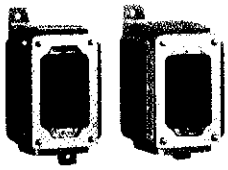
Dead End
SWB-1-2-3 ③

Feed Thru
SWB-4-5-6 ③

Dead End
SWB-7-8-9 ③

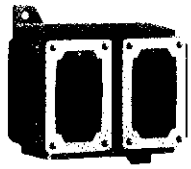


Feed Thru
SWB-10-11-12 ③



SWB-13-14

SWB-17



SWB-18

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

Ⓤ Listed - File E53360

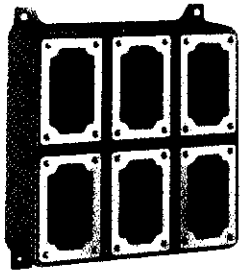
Ⓢ Certified - LR11712
See files for details or call Killark.

FEATURES-SPECIFICATIONS

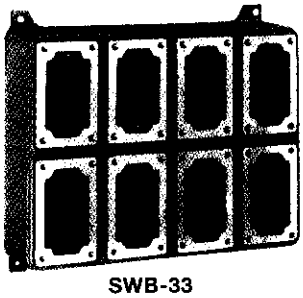
SWB-19

SWB-20

SWB-21



SWB-32

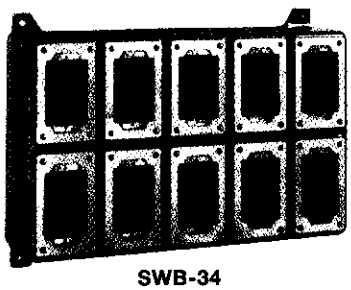


SWB-33

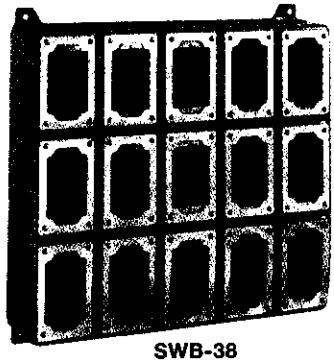
SWB DEVICE BODIES AND DIMENSIONS

CATALOG NUMBER	HUB SIZE	EXTERNAL			MOUNTING	
		LENGTH	WIDTH	DEPTH	VERTICAL	HORIZONTAL
SWB-1	1/2"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-2	3/4"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-3	1"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-4	1/2"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-5	3/4"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-6	1"	5-7/8"(149)	3"(76)	2-1/4"(57)	5-3/8"(137)	2-3/8"(60)
SWB-7	1/2"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-8	3/4"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-9	1"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-10	1/2"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-11	3/4"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-12	1"	5-7/8"(149)	6-1/2"(165)	2-1/4"(57)	5-3/8"(137)	2-1/2"(64)
SWB-13	①	5-1/4"(133)	3-5/8"(92)	2-1/2"(64)	6-1/8"(156)	2-3/8"(60)
SWB-14	②	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)
SWB-17	①	10-3/8"(264)	3-5/8"(92)	2-1/2"(64)	11-3/8"(289)	2-1/8"(54)
SWB-18	②	5-1/4"(133)	7-1/8"(181)	3-5/16"(84)	6"(152)	5-3/4"(146)
SWB-19	②	5-1/4"(133)	10-5/8"(270)	3-5/16"(84)	6"(152)	9-3/16"(233)
SWB-20	②	5-1/4"(133)	14-1/8"(359)	3-5/16"(84)	6"(152)	12-11/16"(322)
SWB-21	②	5-1/4"(133)	17-5/8"(448)	3-5/16"(84)	6"(152)	16-3/16"(411)
SWB-32	②	12"(305)	10-5/8"(270)	3-5/16"(84)	11-1/8"(283)	9-3/16"(233)
SWB-33	②	12"(305)	14-1/8"(359)	3-5/16"(84)	11-3/16"(284)	12-3/4"(324)
SWB-34	②	12"(305)	17-3/4"(451)	3-5/16"(84)	11-5/16"(287)	16-1/4"(413)
SWB-38	②	17-1/8"(435)	17-3/4"(451)	3-5/16"(84)	11-5/16"(287)	16-1/4"(413)
SWB-42	3/4"	5-1/4"(133)	3-5/8" (92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)
SWB-45	3/4"	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)
SWB-49	3/4"	5-1/4"(133)	3-5/8"(92)	3-5/16"(84)	6-1/8"(156)	2-3/8"(60)

① Maximum size drilled and tapped opening 1" — Shallow device bodies.
② Maximum size drilled and tapped opening 1-1/2" — Deep device bodies.
③ SWB-1 thru SWB-12 Boxes have cast in conduit hubs. Additional conduit openings can not be included. Use SWB-13-14 or 18 for custom conduit requirements. See following page for custom conduit information.
SWB-13 through SWB-38 boxes are blank without conduit openings and can be factory or field installed. See following page for custom conduit information.



SWB-34



SWB-38

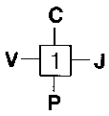
SWB-42
(3/4" Dead End)
SWB-45
(3/4" Feed Thru)
SWB-49
(Two 3/4"on Bottom)

HUBBELL
KILLARK®

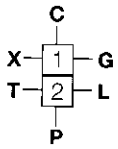
C

CONDUIT OPENING DATA†

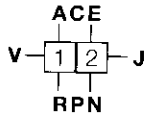
Conduit Opening Location Charts



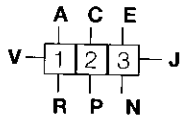
SWB-13-14



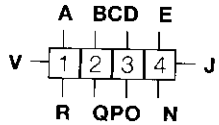
SWB-17



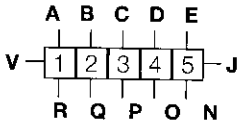
SWB-18



SWB-19



SWB-20



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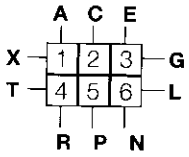

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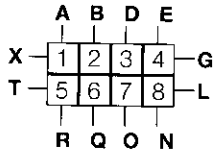
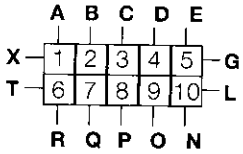
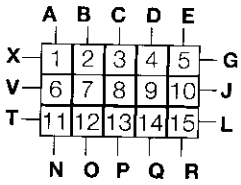


SWB-33



SWB-34



SWB-38

FEATURES-SPECIFICATIONS

To specify conduit openings select the letter on these sketches which indicates the position desired. All conduit openings will be evenly spaced and located in the area indicated on the location chart. When they are to be more accurately located, submit a sketch with spacing dimensions. Specific conduit openings must be located dimensionally from box centerlines to conduit centerlines and from outside back surface of box to conduit centerline.

Ordering Instructions:

(1) Select the letter on location chart which indicates conduit opening position desired.

(2) Select symbol number from chart which indicates conduit opening type and size.

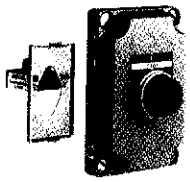
(3) Combine the conduit location letter, size and type number, and add as a suffix to SWB box catalog number.

Example: **SWB-18-C1-J1-P1-V1**

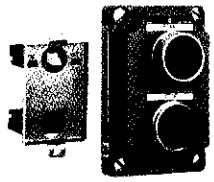
SYMBOL NUMBERS		
CONDUIT SIZE	CONDUIT OPENINGS	
	DRILLED AND TAPPED	UNION④
1/2"	1	11
3/4"	2	12
1"	3	13
1-1/4"	4	14
1-1/2"	5	15

MINIMUM HUB CENTERS FOR DRILLED AND TAPPED AND UNION HUBS						
SIZE	FORM	1/2"	3/4"	1"	1-1/4"	1-1/2"
1/2"	① MIN	1-3/16"(46)	—	—	—	—
1/2"	② PRE	1-3/8"(35)	—	—	—	—
1/2"	③ GU	1-5/8"(41)	—	—	—	—
3/4"	① MIN	1-3/8"(35)	1-1/2"(38)	—	—	—
3/4"	② PRE	1-1/2"(38)	1-5/8"(41)	—	—	—
3/4"	③ GU	1-3/4"(44)	1-13/16"(46)	—	—	—
1"	① MIN	1-1/2"(38)	1-3/4"(44)	1-13/16"(46)	—	—
1"	② PRE	1-3/4"(44)	1-7/8"(48)	2"(51)	—	—
1"	③ GU	1-7/8"(48)	2"(51)	2-1/8"(54)	—	—
1-1/4"	① MIN	1-11/16"(43)	1-15/16"(49)	2-1/16"(52)	2-5/16"(59)	—
1-1/4"	② PRE	1-15/16"(49)	2-1/16"(52)	2-1/4"(57)	2-1/2"(64)	—
1-1/4"	③ GU	2-1/16"(52)	2-1/4"(57)	2-5/16"(59)	2-1/2"(64)	—
1-1/2"	① MIN	1-15/16"(49)	2-1/16"(52)	2-3/16"(56)	2-1/2"(64)	2-5/8"(67)
1-1/2"	② PRE	2-1/8"(54)	2-1/4"(57)	2-3/8"(60)	2-5/8"(67)	2-3/4"(70)
1-1/2"	③ GU	2-3/16"(56)	2-9/32"(58)	7/16"(11)	2-5/8"(67)	2-3/4"(70)
Locknut Bushing Conduit		1-1/8"(29)	1-3/8"(35)	1-11/16"(43)	2-3/16"(56)	2-7/16"(62)
Locknut Bushing Conduit		1"(25)	1-1/4"(32)	1-1/2"(38)	1-7/8"(48)	2-1/8"(54)
Locknut Bushing Conduit		7/8"(22)	1-1/16"(27)	1-3/8"(35)	1-11/16"(43)	1-15/16"(49)

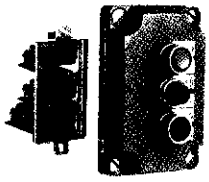
① Minimum spacing required to provide clearance over locknuts and bushings.
② Preferred—more liberal spacings between centers of conduits to be used whenever possible.
③ GU—spacing required for GU Series unions.
④ Union hubs are supplied by using a drilled and tapped opening with GUM Series Union.
† Consult factory for special or additional conduit sizes, locations, and combinations required but not illustrated.



Single
Push Button



Double
Push Button



Three
Mini-Push Button

Push-Pull
Mushroom Maintained
Push Button

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

(UL) Listed - File E53360

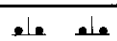
(CSA) Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

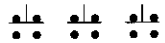
XCS MOMENTARY CONTACT SINGLE PUSH BUTTON

CATALOG NUMBER			HUB SIZE	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)					
	DEAD-END	FEED-THRU				
XCS-0B1	XCS-1B1	XCS-4B1	1/2"		Green	Start
	XCS-2B1	XCS-5B1	3/4"			
XCS-0B2	XCS-1B2	XCS-4B2	1/2"		Red	Stop
	XCS-2B2	XCS-5B2	3/4"			
XCS-0B3	XCS-1B3	XCS-4B3	1/2"		Black	Specify
	XCS-2B3	XCS-5B3	3/4"			

XCS MOMENTARY CONTACT DOUBLE PUSH BUTTON

CATALOG NUMBER			HUB SIZE	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)					
	DEAD-END	FEED-THRU				
XCS-0B4	XCS-1B4	XCS-4B4	1/2"		Green-Red	Start/Stop
	XCS-2B4	XCS-5B4	3/4"			
XCS-0B4-U	XCS-1B4-U	XCS-4B4-U	1/2"		Green-Red	Start/Stop
	XCS-2B4-U	XCS-5B4-U	3/4"			
XCS-0B5	XCS-1B5	XCS-4B5	1/2"		Green-Green	Start/Start
	XCS-2B5	XCS-5B5	3/4"			
XCS-0B7	XCS-1B7	XCS-4B7	1/2"		Black-Black	Specify
	XCS-2B7	XCS-5B7	3/4"			

XCS MOMENTARY CONTACT THREE MINI PUSH BUTTONS

CATALOG NUMBER			HUB SIZE	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)					
	DEAD-END	FEED-THRU				
XCS-0A8	XCS-1A8	XCS-4A8	1/2"		Red-Green	Stop/Start
	XCS-2A8	XCS-5A8	3/4"		Black	Specify
XCS-0A9	XCS-1A9	XCS-4A9	1/2"		Black	Specify
	XCS-2A9	XCS-5A9	3/4"			

① For other than standard marking, refer to the special feature section of price list.
② Lens colors other than listed may be specified by changing lens color suffix. See modifications page C32.
For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.

XCS PUSH PULL MUSHROOM PUSH BUTTON (MAINTAINED)

CATALOG NUMBER COVER WITH DEVICE*	DIAGRAM	BUTTON COLOR	NAMEPLATE MARKING
XCS-0MRM3		Red	Specify

**Must be used with deep style box SWB-14 or SWB-18 thru SWB-49.*

Operation — when push button is depressed and contacts activated, operator will remain in depressed position until pulled out to normal position.

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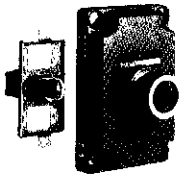
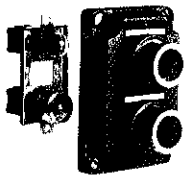
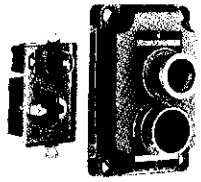
C



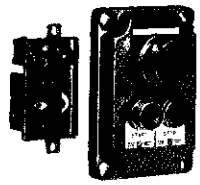
Pilot Light



Double Pilot Light



Pilot Light Push Button



Pilot Light Two Mini Push Buttons

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

(UL) Listed - File E53360

(SP) Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS PILOT LIGHT③

CATALOG NUMBER			HUB SIZE	DIAGRAM	LAMP VOLTS	BUTTON COLOR②	NAMEPLATE MARKING①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)						
	DEAD-END	FEED-THRU					
XCS-0B24CL	XCS-1B24CL	XCS-4B24CL	1/2"		120V	Clear	Specify
	XCS-2B24CL	XCS-5B24CL	3/4"				
XCS-0B24GL	XCS-1B24GL	XCS-4B24GL	1/2"		120V	Green	Specify
	XCS-2B24GL	XCS-5B24GL	3/4"				
XCS-0B24RL	XCS-1B24RL	XCS-4B24RL	1/2"		120V	Red	Specify
	XCS-2B24RL	XCS-5B24RL	3/4"				

XCS DOUBLE PILOT LIGHT④

CATALOG NUMBER			HUB SIZE	DIAGRAM	LAMP VOLTS	BUTTON COLOR②	NAMEPLATE MARKING①
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)						
	DEAD-END	FEED-THRU					
XCS-0B30CL	XCS-1B30CL	XCS-4B30CL	1/2"		120V	Clear	Specify
	XCS-2B30CL	XCS-5B30CL	3/4"				
XCS-0B30GL	XCS-1B30GL	XCS-4B30GL	1/2"		120V	Green	Specify
	XCS-2B30GL	XCS-5B30GL	3/4"				
XCS-0B30RL	XCS-1B30RL	XCS-4B30RL	1/2"		120V	Red	Specify
	XCS-2B30RL	XCS-5B30RL	3/4"				
XCS-0B30RL-GL	XCS-1B30RL-GL	XCS-4B30RL-GL	1/2"		120V	Red/Green	Specify
	XCS-2B30RL-GL	XCS-5B30RL-GL	3/4"				

XCS MOMENTARY CONTACT PUSH BUTTON AND PILOT LIGHT④

CATALOG NUMBER			HUB SIZE	DIAGRAM	BUTTON COLOR	LENS COLOR	NAMEPLATE MARKING①	
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)							
	DEAD-END	FEED-THRU					BUTTON	LENS
XCS-0B13-C	XCS-1B13-C	XCS-4B13-C	1/2"		Red	Red	Stop	Specify
	XCS-2B13-C	XCS-5B13-C	3/4"					
XCS-0B13-O	XCS-1B13-O	XCS-4B13-O	1/2"		Green	Red	Start	Specify
	XCS-2B13-O	XCS-5B13-O	3/4"					
XCS-0B13-U	XCS-1B13-U	XCS-4B13-U	1/2"		Black	Red	Specify	Specify
	XCS-2B13-U	XCS-5B13-U	3/4"					

XCS MOMENTARY CONTACT TWO MINI PUSH BUTTONS AND PILOT LIGHT④

CATALOG NUMBER			HUB SIZE	DIAGRAM	BUTTON COLOR	LENS COLOR	NAMEPLATE MARKING①	
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)							
	DEAD-END	FEED-THRU					BUTTON	LENS
XCS-0A15	XCS-1A15	XCS-4A15	1/2"		Red	Red	Stop	Specify
	XCS-2A15	XCS-5A15	3/4"	120 VAC	Green		Start	

① For other than standard marking, refer to the special feature section of price list.
② Lens color suffix listed in modifications page C32. Unless different lens colors are specified by proper suffix catalog number, red lens will be provided.
③ Pilot light transformers also listed in modifications. Add suffix to cover assembly catalog number.
④ Pilot light transformers will not fit in these assemblies. When transformer is desired, use SWB-14, indicating conduit openings required from chart on page C34 of this section. See page C32 for required transformer suffix. One transformer required for each lamp.
For control stations with 1" conduit openings or for multi-gang assemblies, order cover and box as separate components.

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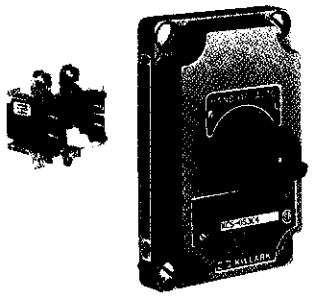
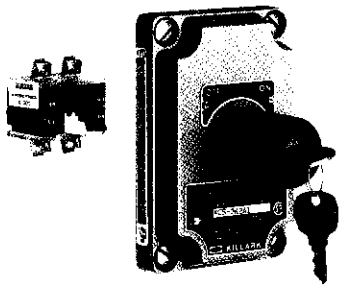


Selector Switch



Key Operated

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7 (C,D) 9(E,F,G)

Ⓤ Listed - File E53360

Ⓢ Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS TWO POSITION SELECTOR SWITCH (MAINTAINED)

CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM				NAMEPLATE MARKING①
				LEFT POSITION		RIGHT POSITION		
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
	DEAD-END	FEED-THRU						
XCS-0S2A1	XCS-1S2A1	XCS-4S2A1	1/2"					ON/OFF
	XCS-2S2A1	XCS-5S2A1	3/4"					
XCS-0S2A5②	XCS-42S2A5	XCS-45S2A5	3/4"					ON/OFF

XCS THREE POSITION SELECTOR SWITCH (MAINTAINED)

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM						NAMEPLATE MARKING①
				LEFT POSITION		CENTER POSITION		RIGHT POSITION		
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
	DEAD-END	FEED-THRU								
XCS-0S3C4	XCS-1S3C4	XCS-4S3C4	1/2"							HOA
	XCS-2S3C4	XCS-5S3C4	3/4"							
XCS-0S3C5②	XCS-42S3C5	XCS-45S3C5	3/4"							HOA

① *For other than standard marking, refer to the special feature section of the price list.*

② *These sub-assemblies require deep style box SWB-14 or SWB-18 through SWB-49.*

For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.

XCS TWO POSITION KEY OPERATED SELECTOR SWITCH (MAINTAINED)

CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM				NAMEPLATE MARKING①
				LEFT POSITION		RIGHT POSITION		
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
	DEAD-END	FEED-THRU						
XCS-0K2A1D	XCS-1K2A1D	XCS-4K2A1D	1/2"					ON/OFF
	XCS-2K2A1D	XCS-5K2A1D	3/4"					
XCS-0K2A5D②	XCS-42K2A5D	XCS-45K2A5D	3/4"					ON/OFF

XCS THREE POSITION KEY OPERATED SELECTOR SWITCH (MAINTAINED)

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM						NAMEPLATE MARKING①
				LEFT POSITION		CENTER POSITION		RIGHT POSITION		
COVER WITH DEVICE	COMPLETE UNITS (BOX & COVER)			LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	
	DEAD-END	FEED-THRU								
XCS-0K3C4D	XCS-1K3C4D	XCS-4K3C4D	1/2"							HOA
	XCS-2K3C4D	XCS-5K3C4D	3/4"							
XCS-0K3C5D②	XCS-42K3C5D	XCS-45K3C5D	3/4"							HOA

① *For other than standard marking, refer to the special feature section of the price list.*

② *These sub-assemblies require deep style box SWB-14 or SWB-18 through SWB-49.*

For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.

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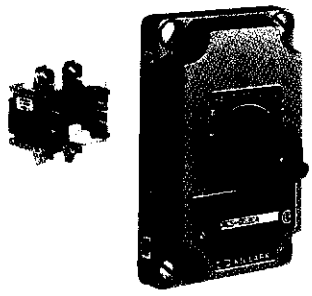

Selector Switch

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7 (C,D) 9(E,F,G)

UL Listed - File E53360

CSA Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS SPRING RETURN SELECTOR SWITCH
Two Position Spring Return to Left

CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM			
				LEFT POSITION		RIGHT POSITION	
COVER WITH DEVICE①	COMPLETE UNITS (BOX & COVER)			LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
	DEAD-END	FEED-THRU					
XCS-0S2L3F	XCS-42S2L3F	XCS-45S2L3F	3/4"				

XCS SPRING RETURN SELECTOR SWITCH
Three Position Spring Return to Center From Right or Left

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM					
				LEFT POSITION		CENTER POSITION		RIGHT POSITION	
COVER WITH DEVICE①	COMPLETE UNITS (BOX & COVER)			LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
	DEAD-END	FEED-THRU							
XCS-0S3M6G	XCS-42S3M6G	XCS-45S3M6G	3/4"						

XCS SPRING RETURN SELECTOR SWITCH
Three Position Spring Return to Center From Right, Maintain In Left

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM					
				LEFT POSITION		CENTER POSITION		RIGHT POSITION	
COVER WITH DEVICE①	COMPLETE UNITS (BOX & COVER)			LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
	DEAD-END	FEED-THRU							
XCS-0S3L6G	XCS-42S3L6G	XCS-45S3L6G	3/4"						

XCS SPRING RETURN SELECTOR SWITCH
Three Position Spring Return to Center From Left, Maintain In Right

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM					
				LEFT POSITION		CENTER POSITION		RIGHT POSITION	
COVER WITH DEVICE①	COMPLETE UNITS (BOX & COVER)			LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
	DEAD-END	FEED-THRU							
XCS-0S3R6G	XCS-42S3R6G	XCS-45S3R6G	3/4"						

① *All spring return assemblies must be installed on deep style box SWB-14 or SWB-18 through SWB-49. For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.*

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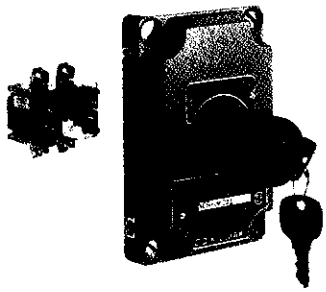

Key Operated

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7 (C,D) 9(E,F,G)

UL Listed - File E53360

CSA Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH①
Two Position Spring Return to Left

CATALOG NUMBER			HUB SIZE	TWO POSITION DIAGRAM			
				LEFT POSITION		RIGHT POSITION	
COVER WITH DEVICE②	COMPLETE UNITS (BOX & COVER) DEAD-END	COMPLETE UNITS (BOX & COVER) FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K2L3F22D	XCS-42K2L3F22D	XCS-45K2L3F22D	3/4"				

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH①
Three Position Spring Return to Center From Right or Left

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM					
				LEFT POSITION		CENTER POSITION		RIGHT POSITION	
COVER WITH DEVICE②	COMPLETE UNITS (BOX & COVER) DEAD-END	COMPLETE UNITS (BOX & COVER) FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K3M6G32D	XCS-42K3M6G32D	XCS-45K3M6G32D	3/4"						

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH①
Three Position Spring Return to Center From Right, Maintain In Left

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM					
				LEFT POSITION		CENTER POSITION		RIGHT POSITION	
COVER WITH DEVICE②	COMPLETE UNITS (BOX & COVER) DEAD-END	COMPLETE UNITS (BOX & COVER) FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K3L6G32D	XCS-42K3L6G32D	XCS-45K3L6G32D	3/4"						

XCS KEY OPERATED SPRING RETURN SELECTOR SWITCH①
Three Position Spring Return to Center From Left, Maintain In Right

CATALOG NUMBER			HUB SIZE	THREE POSITION DIAGRAM					
				LEFT POSITION		CENTER POSITION		RIGHT POSITION	
COVER WITH DEVICE②	COMPLETE UNITS (BOX & COVER) DEAD-END	COMPLETE UNITS (BOX & COVER) FEED-THRU		LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK	LEFT BLOCK	RIGHT BLOCK
XCS-0K3R6G32D	XCS-42K3R6G32D	XCS-45K3R6G32D	3/4"						

① All key operators are furnished keyed different.
If keyed alike is required substitute letter "A" for "D" at end of catalog number.
Keys are removable in left position selectors and in center position for 3 position selectors.
For key removable in all positions change "22" in 2 position to "20" and "32" in 3 position to "30".
② All spring return assemblies must be installed on deep style box SWB-14 or SWB-18 through SWB-49. For control stations with 1" conduit openings or for multi-gang assemblies, order cover with devices and box as separate components.

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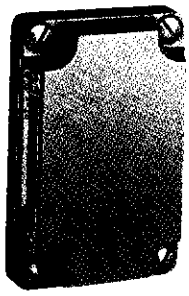
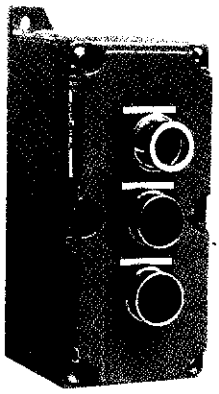
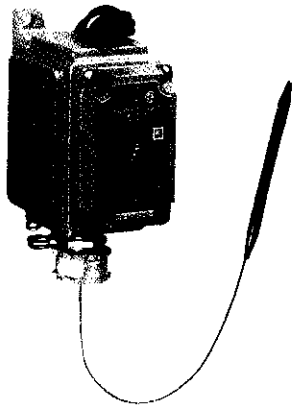
C



X-10
Blank



XCS



XTA

Class I, Div. 1 & 2, Group C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

UL Listed - File E12379

CSA Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

X BLANK AND SPECIAL COVERS	
CAT. NO.	DESCRIPTION
X-10	Blank cover
X-60	Cover with (1) 3/4" NPSM Hole①
X-64	Cover with (2) 3/4" NPSM Holes①②

① *For "G" series short operators.*
② *When X-64 cover is used, one operator* ***must*** *be a pilot light due to electrical clearances.*

XCS THREE OPERATOR CONTROL STATION① WITH BACK BOX			
CATALOG NUMBER②③	TOP DEVICE	CENTER DEVICE	BOTTOM DEVICE
XCS-16B159RL	Red pilot light 120 V	Red pilot light 120 V	Red pilot light 120 V
XCS-16B185RL	Red pilot light 120 V	Red pilot light 120 V	Black push button
XCS-16B17RL	Red pilot light 120 V	Black push button	Black push button

① *These Control Stations do not include conduit openings. Refer to page C34 of this section to specify custom conduit openings. Indicate opening size and locations by adding the suffix to catalog number.*
② *Lens colors (other than listed) may be specified by changing lens color suffix. See modifications on page C32.*
③ *Pilot light transformers listed in modifications on page C32. Add suffix to catalog number.*

Applications

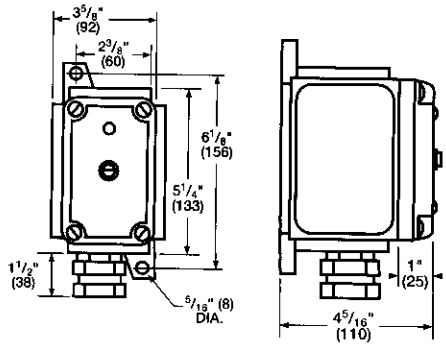
XTA Series remote bulb thermostat assemblies are suitable for applications with heating equipment, appliances and electric heating or wherever remote temperature sensing is required

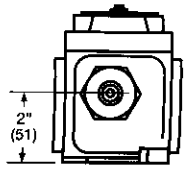
Features

- Adjustable temperature range from 55° to 105°F
- One 3/4"-14 NPT drilled and tapped conduit opening is provided in top
- Custom drilled and tapped conduit openings available on request. (See Conduit Opening Data Chart Page C33 of this section.)
- Stainless steel shaft extends through enclosure cover to permit external adjustment of enclosed thermostat
- These thermostat assemblies may be used on either inductive or noninductive loads, have an approximately 3°F differential and are suitable for use in ambient temperatures up to 150°F
- Switch contacts open on temperature rise and close on temperature drop
- Eight inch capillary tube and ten inch wire leads are supplied as standard. (Consult factory for information on special assemblies.)
- These thermostat assemblies may be used on either inductive or noninductive loads, have an approximately 3°F differential and are suitable for use in ambient temperatures up to 150°F
- Switch contacts open on temperature rise and close on temperature drop

XTA ORDERING INFORMATION				
CATALOG NUMBER	CONDUIT SIZE	SWITCH TYPE	RATING NON INDUCTIVE	RATING INDUCTIVE
XTA-14WR2B62-1	3/4"	DPST	25A; 240V	10A; 120V
			22A; 277V	6A; 240V

Dimensions





HUBBELL
KILLARK

Standard
Push Button
(Mushroom)

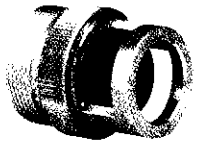
Miniature
Push Button

LED Lamp

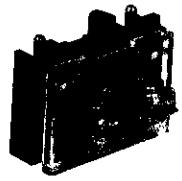
X PUSH BUTTON ASSEMBLY①						
CATALOG NUMBER						SHROUD
STANDARD PUSH BUTTON (1-3/8" DIAMETER)			MINIATURE PUSH BUTTON (3/4" DIAMETER)			
RED	GREEN	BLACK	RED	GREEN	BLACK	
X01BR	X01BG	X01BK	X01AR	X01AG	X01AK	Full
X03BR	X03BG	X03BK	X03AR	X03AG	X03AK	Half
X05BR	—	—	—	—	—	Mushroom*

*1-1/2" diameter

XCS LED LAMPS		
CATALOG NUMBER	VOLT	COLOR
XCSLED-R110	120 VAC	Red
XCSLED-G110	120 VAC	Green
XCSLED-A110	120 VAC	Amber



Pilot Light



Contact Block

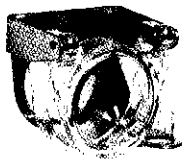
XCS PILOT LIGHT OPERATOR ASSEMBLY①				
CATALOG NUMBER				SHROUD
RED	GREEN	CLEAR	AMBER	
X021BR	X021BG	X021BC	X021BA	Standard

GO STANDARD CONTACT BLOCKS	
CATALOG NUMBER	DESCRIPTION
GO-8672-BJK	1 N.O.
GO-8672-BJJ	1 N.C.
GO-8672-BJH	1 N.O. Early make
GO-8672-BJE	1 N.C. Late break

SPECIAL CONTACT BLOCKS FOR XCS SERIES CATALOG NUMBERS ENDING WITH B4-U, B7, A8, OR A9.	
CATALOG NUMBER	DESCRIPTION
YOWE-0T2B	1 N.O.
YOWE-0T2D	1 N.C.

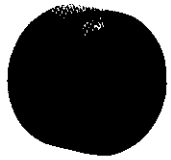
Standard
Lockout

Miniature
Lockout



Selector
Lockout

Hole Plug



Dust/Weather
Cap

ACCESSORIES						
CATALOG NUMBER						DESCRIPTION
PUSH BUTTON① LOCKOUT	SELECTOR LOCKOUT①	HOLE PLUG①	DUST/WEATHER CAP			
			RED	GREEN	BLACK	
XLOB	GO-567-LOK	XOBP	XDBR	XDBG	XDBB	Standard operator
XLOA	—	XOAP	—	—	—	Miniature operator

① *Replacement only by qualified person. Operator is staked into position at factory. Removal may damage operator or cover threads.*

XCS REPLACEMENT BLANK NAMEPLATES	
CATALOG NUMBER	DESCRIPTION
XCSNPPB	XCS/FXCS full size (standard) push button
XCSNPPBM	XCS/FXCS miniature push button
XCSNPPL	XCS/FXCS pilot light
XCSNPSS2	XCS/FXCS 2 position selector switch
XCSNPSS3	XCS/FXCS 3 position selector switch

XS-3C

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

Listed - FILE E53360
Certified - File LR11712
File OP7A5.AE
See files for details or call Killark.

FEATURES-SPECIFICATIONS

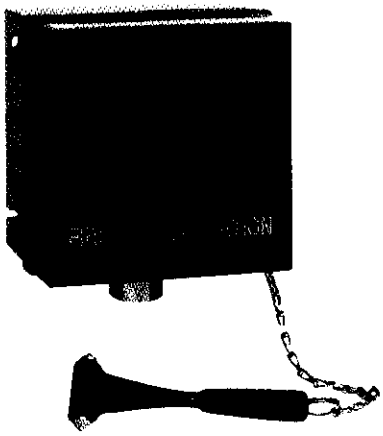
Applications
Used where making, breaking, or changing connections in an electric circuit are required.

Features
XS Series are front lever rotary operated switch assemblies with standard provisions for padlocking in either "ON" or "OFF" position. The lever is connected to a threaded stainless steel shaft which passes through the cover.

XS TUMBLER SWITCH

CATALOG NUMBER					SWITCH STYLE	SWITCH RATING 120/277 VAC, 1Ø
COVER		HUB SIZE	COMPLETE UNITS (BOX, COVER AND SWITCH)			
WITH DEVICE	WITHOUT DEVICE		DEAD-END	FEED-THRU		
XS-1C	XNS-1C	1/2" 3/4"	XS-11C XS-21C	XS-41C XS-51C	1-POLE	20A
XS-2C	XNS-2C	1/2" 3/4"	XS-12C XS-22C	XS-42C XS-52C	2-POLE	20A
XS-8C	XNS-8C	1/2" 3/4"	XS-18C XS-28C	XS-48C XS-58C	3-POLE	①
XS-3C	XNS-3C	1/2" 3/4"	XS-13C XS-23C	XS-43C XS-53C	3-WAY/ SPDT No center off	20 A
XS-5C	XNS-5C	1/2" 3/4"	XS-15C XS-25C	XS-45C XS-55C	SPDT Center off	20 A
XS-6C	XNS-6C	1/2" 3/4"	XS-16C XS-26C	XS-46C XS-56C	DPDT No center off	20 A
XS-7C	XNS-7C	1/2" 3/4"	XS-17C XS-27C	XS-47C XS-57C	DPDT Center off	20 A
XS-1D	XNS-1D	1/2" 3/4"	XS-11D XS-21D	XS-41D XS-51D	1-POLE	30 A
XS-2D	XNS-2D	1/2" 3/4"	XS-12D XS-22D	XS-42D XS-52D	2-POLE	30 A
XS-4C	—	—	—	—	4-WAY	20 A

① *Rated 15 amperes, 240/480 VAC., 3Ø; 3HP-240 VAC., 5 HP-480 VAC.*



Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx ed IIC T6 IP66

Ex PTB No. Ex-93.C.1036

NOTE: Internal Component (CS Series) is UL Listed and CSA Certified.

FEATURES-SPECIFICATIONS

Applications

Used to activate alarm circuits in hazardous and/or wet, corrosive industrial applications. Fire alarms are of the break-glass type construction.

Features

- Enclosure molded out of red fiberglass reinforced polyester
- Durable EPDM gasket on enclosure is concealed to protect it from damage or premature aging by UV light and chemical elements
- Hammer is mounted to side of alarm housing. An 11" chain secures hammer to station
- Two station styles:
  - Automatic
    After glass is broken actuator is automatically released to activate alarm circuit.
  - Manual
    After glass is broken actuator must be pushed to activate alarm circuit.

CPX AUTOMATIC MODEL – 1-7/16" RED MOMENTARY PUSH BUTTON ACTUATOR IS RELEASED WHEN GLASS IS BROKEN

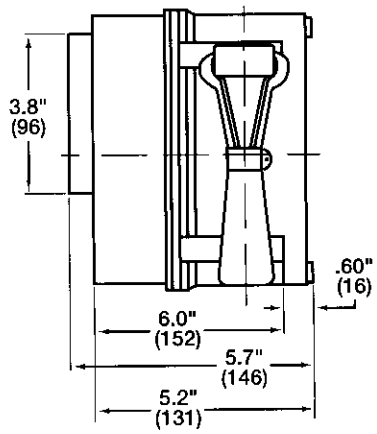
CONTACT TYPE	HUB CONFIGURATION	CATALOG NUMBER	
		1/2"	3/4"
Universal (1 N.O./1 N.C.)	Top Feed	CPX052C8140	CPX052C8143
	Bottom Feed	CPX052C8141	CPX052C8144
	Feed-Thru	CPX052C8142	CPX052C8145

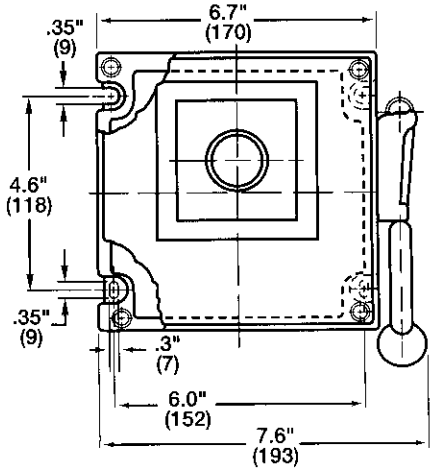
CPX MANUAL MODEL – 1-7/16" RED MUSHROOM PUSH BUTTON MAINTAINED TURN-TO-RELEASE

CONTACT TYPE	HUB CONFIGURATION	CATALOG NUMBER	
		1/2"	3/4"
Universal (1 N.O./1 N.C.)	Top Feed	CPX052C7960	CPX052C7963
	Bottom Feed	CPX052C7961	CPX052C7964
	Feed-Thru	CPX052C7962	CPX052C7965

CPX MANUAL MODEL – 1-7/16" RED MUSHROOM PUSH BUTTON MAINTAINED KEY TO RELEASE

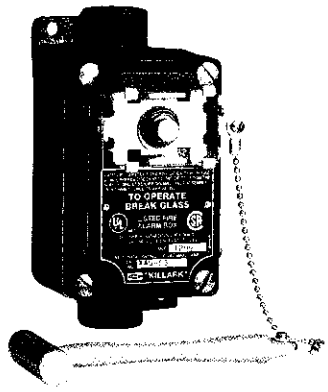
CONTACT TYPE	HUB CONFIGURATION	CATALOG NUMBER	
		1/2"	3/4"
Universal (1 N.O./1 N.C.)	Top Feed	CPX052C7970	CPX052C7973
	Bottom Feed	CPX052C7971	CPX052C7974
	Feed-Thru	CPX052C7972	CPX052C7975





HUBBELL
KILLARK®

XAL
Pull Ring



XAS
Break Glass

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

FEATURES-SPECIFICATIONS

Applications

- Hazardous areas due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installation at petroleum refineries, chemical and petrochemical plants, storage areas, and other processing facilities where hazardous substances are handled or stored
- Areas where emergency control of fire alarm or signal circuits is required

Features

- Enclosure is made of copper free aluminum alloy
- Conduit openings are 3/4" NPT feed through
- Red, textured powder epoxy paint finish is standard on box and cover and provides high visibility for alarm station
- XAL-458 has (2) normally open and (2) normally closed contacts.
- Bilingual nameplates included per CSA requirement
- Internal ground screw is standard

Operation

XAL: The alarm station is activated by lifting the front cover and pulling down ring. This quick, easy to use two-step process prevents unintentional operation. Operator is reset by depressing shaft and returning plate to original position.

XAS: Breaking glass with hammer provided activates alarm. Reset by replacing glass.

Replacement glass catalog number **YOKK-15214**.

Replacement hammer and chain **KIT-232**.

XAL Series:

Listed - File E50498

Listed - CE69

Certified - File LR31085

Listed - California State Fire Marshall #7150-1439:100

XAS Series:

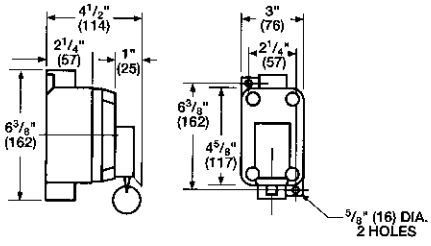
Listed - File E50498

Certified - File LR31085
See files for details or call Killark.

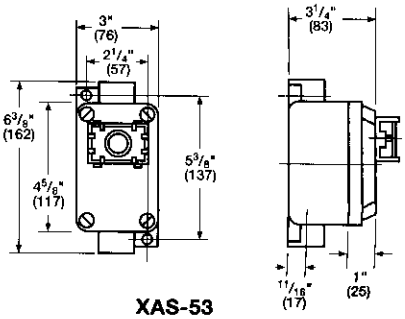
XAL FIRE ALARM STATION		
CATALOG NUMBER	OPERATION TYPE	CONTACT BLOCKS
XAL-53	Pull ring	(1) NO/NC
XAL-458	Pull ring	(2) NO/NC
XAS-53	Break glass	(1) NO/NC

CONTACT BLOCK RATING								
AC						DC		
VOLTS	MAKE AMPERES	VA	BREAK AMPERES	VA	CONTINUOUS CARRYING AMPERES	VOLTS	MAKE BREAK	CONTINUOUS CARRYING AMPERES
120	60	7200	6	720	10	125	1.1	10
240	30	7200	3	720	10	250	0.55	10
480	15	7200	1.5	720	10	600	0.2	10
600	12	7200	1.2	720	10			

Dimensions



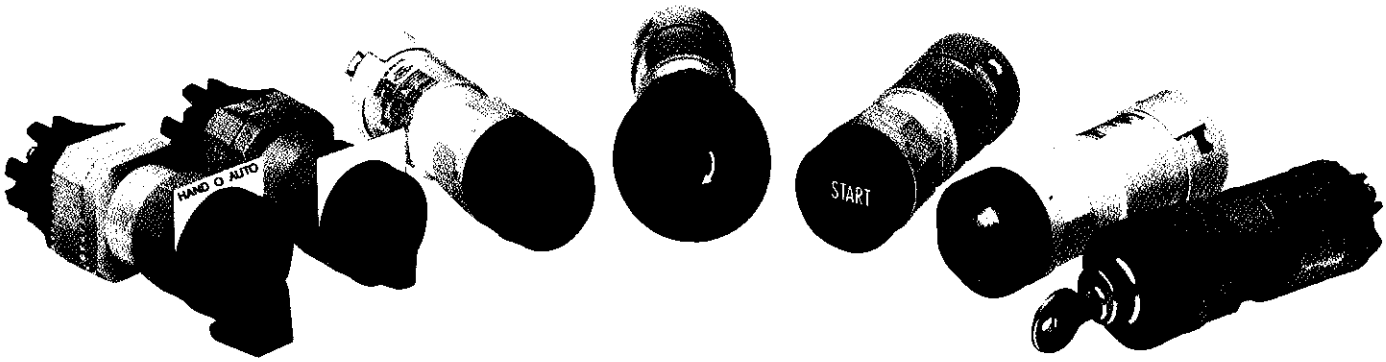
XAL-53



XAS-53

Note: On XAL-458 the overall depth is 5-9/16"

HUBBELL
KILLARK



See certifications on next page

FEATURES-SPECIFICATIONS

Applications

- Hazardous locations and wet, corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- The GN series is designed to be installed in sheet metal or non-metallic enclosures. Not for use in explosion-proof enclosures such as Killark EXB/XJB/XB/SWB Series or dust ignition-proof DB Series enclosures.
- To maintain the control device hazardous integrity refer to "Enclosure Rating For Installation" chart on this page

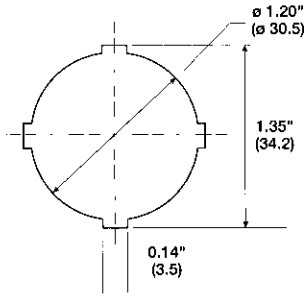
Features

- Installation is easy and precise. The devices fit into a standard 1.20" (30.5) push button knock-out. Tightening the retainer nut makes the installation complete.
- Available with increased safety terminals or wire leads for easy connection

GENERAL INFORMATION		
Materials	Housing/Actuators	Polyester/Polyamide
	Key Operated Activator	Stainless Steel
Mechanical/Electrical life	10^5 Operations	
Operating temperature	-40°C to +40°C	
Degree of protection	IP65, CSA/NEMA 3, 4, 4X	
Average weight with terminals	0.18Kg (0.4 Lbs)	
Electrical ratings	Push buttons & selector switches Pilot Lights	See appropriate page for electrical ratings.
Terminal wire capacity	GN Series	1.5 mm2 (14 AWG)
Wire leads	GN Series	Flexible 1.5 mm2 (14 AWG)

ENCLOSURE RATING FOR INSTALLATION		
AREA CLASSIFICATION	WITH SCREW TERMINALS	WITH SEALED LEAD
Class I, Zone 1	EExe, Exe, AExe	
Class I, Division 2 Group A, B, C, D	1, 2, 3, 3R, 4, 4X, 12, 13	
Class II, Division 1 Group E, F, G	9	3, 4, 4X, 9, 12, 13①
Class II, Division 2 Group E, F, G	3, 4, 4X, 12, 13	
Class III	3, 4, 4X, 12, 13	

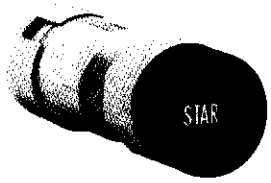
① *Terminate in NEMA 9 enclosures*



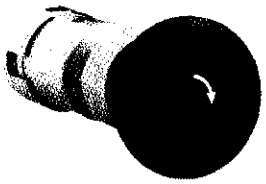
Panel Cut Out

C

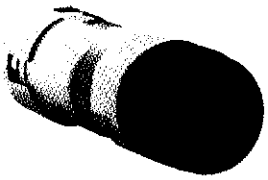
HUBBELL®
KILLARK®



Standard



Mushroom Head - Maintained Turn to Release



Mushroom Head - Momentary

Key Operated

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA*
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx d IIC T6 (with flexible lead)
EEx de IIC T6 (with terminals)

FM File J.I. 0J6A2.AX

CSA Certified - File LR99480-21

Ex PTB No. Ex-82/1074 (with flexible lead)
Ex-82/1075U (with terminals)

FEATURES-SPECIFICATIONS

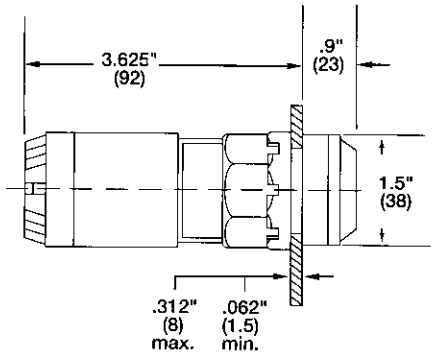
Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- The GN series is designed to be installed in sheet metal or non-metallic enclosures. Not for use in explosion-proof enclosures such as Killark EXB/XJB/XB/SWB Series or dust ignition-proof DB Series enclosures
- To maintain the control device hazardous integrity refer to "Enclosure Rating For Installation" chart on page C45

Features

- Push buttons have one normally open and one normally closed contact
- Installation is easy and precise. The devices fit into a standard 1.20" (30.5) push button knock-out. Tightening the retainer nut makes the installation complete
- Available with increased safety screw terminals or wire leads for easy connection

Dimensions



*CSA Certified

HUBBELL®
KILLARK®

Push Buttons

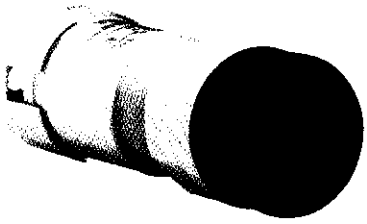
GN STANDARD PUSH BUTTONS			
CATALOG NUMBER		CONTACT TYPE	DESCRIPTION
TERMINALS	20' (6m) LEADS		
GNPB41G	GNPB21G6		Green "START"
GNPB41R	GNPB21R6		Red "STOP"
GNPB41B	GNPB21B6		Black "ON"

GN MUSHROOM HEAD - MOMENTARY			
CATALOG NUMBER		CONTACT TYPE	DESCRIPTION
TERMINALS	20' (6m) LEADS		
GNPB44SW	GNPB24SW6		Black 1-7/16" (38)
GNPB44R	GNPB24R6		Red 1-7/16" (38)
GNPB4455R	GNPB2455R6		Red 2-3/16" (55)

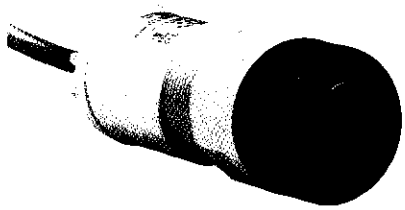
GN MUSHROOM HEAD - MAINTAINED TURN TO RELEASE			
CATALOG NUMBER		CONTACT TYPE	DESCRIPTION
TERMINALS	20' (6m) LEADS		
GNPB40SW	GNPB20SW6		Black 1-7/16" (38)
GNPB40R	GNPB20R6		Small E-stop Red 1-7/16" (38)
GNPB4055R	GNPB2055R6		Large E-stop Red 2-3/16" (55)

GN 38MM MUSHROOM HEAD - KEY OPERATED TYPE (REQUIRES KEY TO OPERATE DEVICE)			
CATALOG NUMBER		CONTACT TYPE	DESCRIPTION
TERMINALS	20' (6m) LEADS		
GNPB47	GNPB276		Momentary
GNPB48I	GNPB28I6		Maintained key removable when button is not pressed
GNPB48II	GNPB28II6		Maintained key removable when button is pressed in
GNPB48III	GNPB28III6		Maintained key removable in either position
GNPB49R	GNPB29R6		Maintained - requires key to release button once it is pressed

TECHNICAL DATA-PUSH BUTTONS				
	AC CIRCUITS		DC CIRCUITS	
VOLTAGE	RESISTIVE LOAD P. F. 1 (AC 1)	INDUCTIVE LOAD P. F. 0.7 (AC 11)	L/R = 1 MS	L/R = 100 MS
24	—	—	6 A	6 A
110	10 A	6 A	6 A	1 A
120	10 A	6 A	—	—
220	10 A	6 A	1 A	0.4 A
240	10 A	5 A	—	—
250	10 A	5 A	0.6 A	0.4 A
380	10 A	4 A	—	—
415	10 A	3.5 A	—	—
500	10 A	2.5 A	—	—



Pilot Light With Terminals



Pilot Light With Cable Lead

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA*
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx de IIC T6

FM APPROVED File J.I. OJ6A2.AX

Certified - File LR99480-21

PTB No. Ex-81/2028 (with flexible lead)
Ex-81/2002U (with terminals)

FEATURES-SPECIFICATIONS

Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- The GN series is designed to be installed in sheet metal or non-metallic enclosures. Not for use in explosion-proof enclosures such as Killark EXB/XJB/XB/SWB Series or dust ignition-proof DB Series enclosures
- To maintain the control device hazardous integrity refer to "Enclosure Rating For Installation" chart on page C45

Features

- LED Type Pilot Lights provide 100,000 hours of service
- Superior brightness with 7 cluster LED lamp. Wired in parallel so that if one cluster goes out, the rest remain lit
- Shock and vibration resistant, with very low power consumption
- Installation is easy and precise. The devices fit into a standard 1.20" (30.5mm) push button knock-out. Tightening the retainer nut makes the installation complete

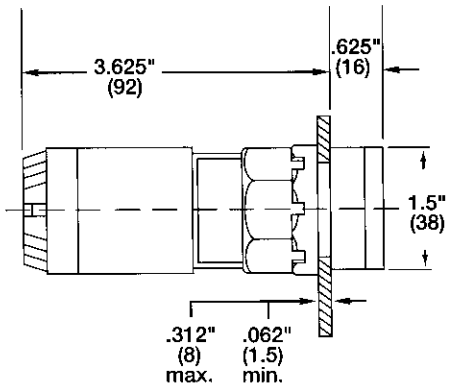
Available with increased safety screw terminals or wire leads for easy connection.

**CSA Certified*

GN PILOT LIGHTS

CATALOG NUMBER		DESCRIPTION		
TERMINALS	20' (6m) LEADS	COLOR	PILOT LIGHTS	
GNPL24022	GNPL220226	Red	X1 / X2	24V AC/DC
GNPL24032	GNPL220326			110/125V AC
GNPL24012	GNPL220126			220/240V AC
GNPL24052	GNPL220526			380V AC
GNPL24025	GNPL220256	Green	X1 / X2	24V AC/DC
GNPL24035	GNPL220356			110/125V AC
GNPL24015	GNPL220156			220/240V AC
GNPL24055	GNPL220556			380V AC
GNPL24024	GNPL220246	Amber	X1 / X2	24V AC/DC
GNPL24034	GNPL220346			110/125V AC
GNPL24014	GNPL220146			220/240V AC
GNPL24054	GNPL220546			380V AC
GNPL24029	GNPL220296	White	X1 / X2	24V AC/DC
GNPL24039	GNPL220396			110/125V AC
GNPL24019	GNPL220196			220/240V AC
GNPL24059	GNPL220596			380V AC

Dimensions



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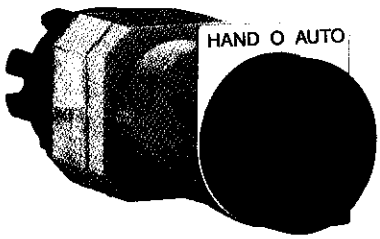
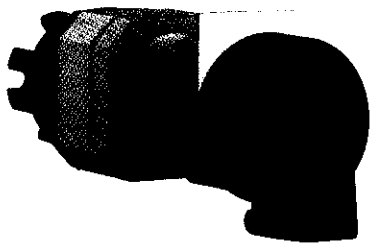


Non-lockable Style Selector Switch



Lockable Style Selector Switch

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA*
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx d IIC T6 (with flexible lead)
EEx de IIC T6 (with terminals)

FM APPROVED File J.I. OJ6A2.AX

Certified - File LR99480-21

PTB No. Ex-84/1016 (with flexible lead)
Ex-84/1015U (with terminals)

FEATURES-SPECIFICATIONS

Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- The GN series is designed to be installed in sheet metal or non-metallic enclosures. Not for use in explosion-proof enclosures such as Killark EXB/XJB/XB/SWB Series or dust ignition-proof DB Series enclosures.
- To maintain the control device hazardous integrity refer to "Enclosure Rating For Installation" chart on page C45

Features

- Provides switching capability in control circuits
- Two pole with up to 4 positions. Other arrangements are available.
- Installation is easy and precise. The devices fit into a standard 1.20" (30.5mm) push button knock-out. Tightening the retainer nut makes the installation complete.
- Available with increased safety screw terminals or wire leads for easy connection

Technical Information

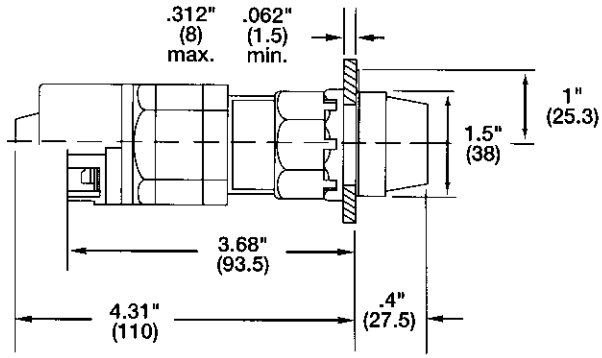
See page C49.

*CSA Certified

GN SELECTOR SWITCHES - 2 AND 3 POSITION

CATALOG NUMBER		DESCRIPTION			
TERMINALS	WITH 20" LEADS	SELECTOR SWITCHES	NAME PLATE	CONTACT ARRANGEMENT	
2 POSITION					
GNSW7AS002	GNSW5AS0026	Maintained	"OFF-ON"	45° 135° 13 14 23 24 / 13 23 14 24	Lockable
GNSW7NA002	GNSW5NA0026				Non-Lockable
GNSW7AS005	GNSW5AS0056	Maintained	"ON-OFF"	45° 135° 11 12 21 22 / 11 21 12 22	Lockable
GNSW7NA005	GNSW5NA0056				Non-Lockable
GNSW7AS016	GNSW5AS0166	Maintained	"Blank"	45° 135° 11 12 23 24 / 11 23 12 24	Lockable
GNSW7NA016	GNSW5NA0166				Non-Lockable
GNSW7AS045	GNSW5AS0456	Spring return to center from right	"Blank"	90° 135° 13 14 23 24 / 11 23 12 24	Lockable
GNSW7NA045	GNSW5NA0456				Non-Lockable
3 POSITION					
GNSW7AS025	GNSW5AS0256	Maintained	"Blank"	45° 135° 13 14 23 24 90° / 13 23 14 24	Lockable
GNSW7NA025	GNSW5NA0256				Non-Lockable
GNSW7AS027	GNSW5AS0276	Maintained	"HAND-OFF-AUTO"	45° 135° 11 12 23 24 90° / 11 23 12 24	Lockable
GNSW7NA027	GNSW5NA0276				Non-Lockable
GNSW7AS028	GNSW5AS0286	Maintained	"Blank"	45° 135° 13 14 23 24 90° / 13 23 14 24	Lockable
GNSW7NA028	GNSW5NA0286				Non-Lockable
GNSW7AS034	GNSW5AS0346	Spring return to center from left and right	"Blank"	45° 135° 11 12 23 24 90° / 11 23 12 24	Lockable
GNSW7NA034	GNSW5NA0346				Non-Lockable

Dimensions



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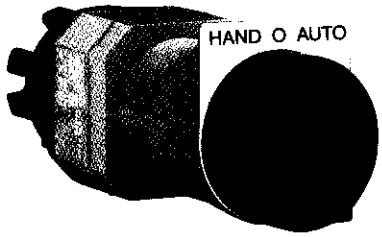
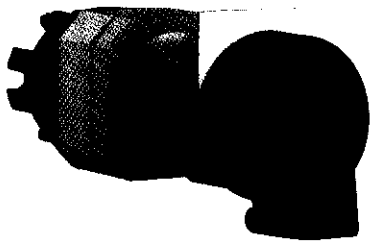


Non-lockable Style Selector Switch



Lockable Style Selector Switch

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA*
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC-EEx d IIC T6 (with flexible lead)
EEx de IIC T6 (with terminals)

FM APPROVED — File J.I. OJ6A2.AX

Certified - File LR99480-21

PTB No. Ex-84/1016 (with flexible lead)
Ex-84/1015U (with terminals)

FEATURES-SPECIFICATIONS

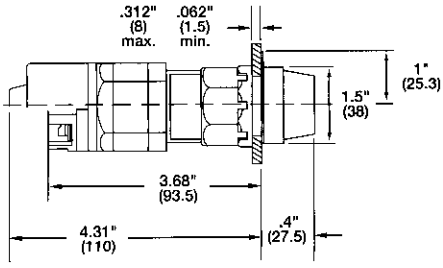
Applications

- Hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur
- The GN series is designed to be installed in sheet metal or non-metallic enclosures. Not for use in explosion-proof enclosures such as Killark EXB/XJB/XB/SWB Series or dust ignition-proof DB Series enclosures.
- To maintain the control device hazardous integrity refer to "Enclosure Rating For Installation" chart on page C45

Features

- Provides switching capability in control circuits
- Two pole with up to 4 positions. Other arrangements are available.
- Installation is easy and precise. The devices fit into a standard 1.20" (30.5mm) push button knock-out. Tightening the retainer nut makes the installation complete.
- Available with increased safety screw terminals or wire leads for easy connection

Dimensions



*CSA Certified

GN SELECTOR SWITCHES

CATALOG NUMBER		DESCRIPTION			
TERMINALS	WITH 20' LEADS	SELECTOR SWITCHES	NAME PLATE	CONTACT ARRANGEMENT	
3 POSITION					
GNSW7AS038	GNSW5AS0386	Spring return to center from right	"STOP-RUN-START"	45° 135° 13 14 23 24 90° 13 23 14 24	Lockable
GNSW7NA038	GNSW5NA0386				Non-Lockable
GNSW7AS047	GNSW5AS0476	Spring return to center from right	"Blank"	45° 135° 11 12 23 24 90° 11 23 12 24	Lockable
GNSW7NA047	GNSW5NA0476				Non-Lockable
GNSW7AS034	GNSW5AS0346	Spring return to center from right and left	"Blank"	45° 135° 11 12 23 24 90° 11 23 12 24	Lockable
GNSW7NA034	GNSW5NA0346				Non-Lockable
GNSW7AS039	GNSW5AS0396	Spring return to center from right and left	"Blank"	45° 135° 13 14 21 22 90° 13 21 14 22	Lockable
GNSW7NA039	GNSW5NA0396				Non-Lockable
GNSW7AS040	GNSW5AS0406	Spring return to center from right and left	"Blank"	45° 135° 11 12 23 26 90° 13 23 14 24	Lockable
GNSW7NA040	GNSW5NA0406				Non-Lockable
GNSW7AS041	GNSW5AS0416	Spring return to center from right and left	"Blank"	45° 135° 11 12 23 26 90° 13 23 14 24	Lockable
GNSW7NA041	GNSW5NA0416				Non-Lockable
4 POSITION					
GNSW7AS062	GNSW5AS0626	Maintained	"Blank"	0° 90° 11 12 21 22 45° 135° 11 21 12 22	Lockable
GNSW7NA062	GNSW5NA0626				Non-Lockable

TECHNICAL DATA-SELECTOR SWITCHES

	AC CIRCUITS		DC CIRCUITS	
VOLTAGE	RESISTIVE LOAD P. F. 1 (AC 1)	INDUCTIVE LOAD P. F. 0.7 (AC 11)	L/R = 1 MS	L/R = 100 MS
24	—	—	10 A	4 A
110	10 A	10 A	6 A	1 A
120	10 A	10 A	—	—
220	10 A	6 A	1 A	0.4 A
240	10 A	6 A	—	—
250	10 A	6 A	0.6 A	0.4 A
380	10 A	6 A	—	—
415	10 A	5 A	—	—
500	10 A	4 A	—	—

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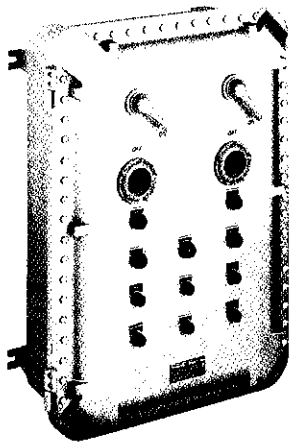


Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

See Area Classification Chart below

FEATURES-SPECIFICATIONS

Applications
G Series custom control panel operators are designed for use in hazardous locations when installed in suitable enclosures such as B7E EXB, XB, XJB, DB, SWB and GCS Series boxes and B7, Y7 Starter Enclosures.

Features
- Operators are all aluminum except for certain movable parts which are stainless steel, all other parts such as screws are either stainless steel or dichromate finish over cadmium or zinc plated steel
- Threaded bodies are all 3/4"-14 NPSM thread
- Control stations can be grouped into a single assembly thus reducing installation time and cost
- Junction boxes may be used to mount operators along with glass lens for viewing internally mounted meters. Additional relays, timers, terminal blocks, or other equipment may also be internally mounted to provide a single centralized control unit.
- Custom operators other than standard assemblies listed may be ordered by proper catalog number from custom operator ordering system pages C58 & C59

Electrical Rating
Push button stations, selector switches Heavy duty 600 VAC max.

Pilot lights 120 VAC.

Dimensions
See Dimensional information for G Series operators on page C60.

Recommended Operator Selection

Short Style
DB/SWB/GCS Enclosures. Assemblies with wall thickness up to 1/2" thick.

Long Style
All B7E XB/XJB Enclosures. EXB except larger sizes. Assemblies with wall thickness up to 1-1/2" thick.

Extended Style
EXB larger size enclosures. 16" x 24", 18" x 18", 18" x 24", 18" x 36", 20" x 36", 24" x 24", 24" x 36". Assemblies with wall thickness up to 2-1/2" thick.

CONTACT BLOCK RATINGS

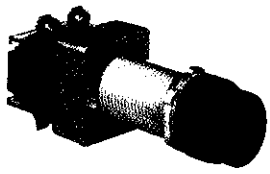
CURRENT	120 VAC	240 VAC	480 VAC	600 VAC	125 VDC	250 VDC
Inrush	60	30	15	12	.55	.275
Breaking	6	3	1.5	1.2	.55	.275
Carrying	10	10	10	10	2.50	2.50

Note: Contact blocks can be stacked four deep maximum.

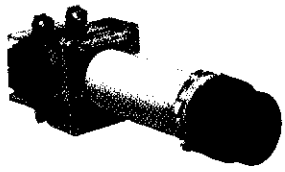
AREA CLASSIFICATION CHART FOR OPERATORS

G01④	G017②	G030②	G057②	G0L2④	G0L38③
G02④	G018②	G034②	G058②	G0L3④	G0L39③
G05④	G019②	G035② G036③	G059②	G0L4④	G0L113③
G06④	G021②	G037③	G0113③	G0L5④	G0L114③
G07④	G022②	G038③	G0114③	G0L6④	G0LRST④
G08③	G023②	G039③	G0133②	G0L7④ G0L8③	G0M1⑤
G010④	G025②	G040①	G0134②	G0L14④	G0R11④
G014④	G026②	G050②	G0B3④	G0L15④	G0RST④
G015④	G027②	G051②	G0B4④	G0L36③	G011388②
G016②	G028②	G056②	G0L1④	G0L37④	G011372②

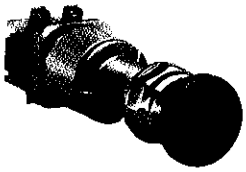
① = *Class II Div. 1 & 2 Group EFG NEMA 9EFG*
② = *Class I Div. 1 & 2 Group CD, Class II Div. 1 & 2 Group EFG, Class III NEMA 7CD, 9EFG*
③ = *Class I Div. 1 & 2 Group BCD, Class II Div. 1 & 2 Group EFG, Class III NEMA 3, 4, 7BCD, 9EFG*
④ = *Class I Div. 1 & 2 Group BCD, Class II Div. 1 & 2 Group EFG, Class III NEMA 3, 4, 4X, 7BCD, 9EFG*
⑤ = *Class I Div. 1 & 2 Group CD, Class II Div. 1 & 2 Group EFG, Class III NEMA 3, 4, 7CD, 9EFG*



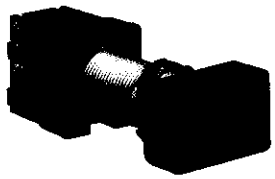
Single Push Button
Long



Single Push Button
Extended



Single Push Button
Mushroom Head
Push-Pull



Double Push Button

Class I, Div. 1 & 2, Groups B,C,D④
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

See Area Classification Chart
page C50 for Details

Ⓤ Listed - File E12379

Ⓒ Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

G SINGLE PUSH BUTTON (MOMENTARY CONTACT)

CATALOG NUMBER①			COLOR	CONTACT TYPE③	NAMEPLATE MARKING②
SHORT	LONG	EXTENDED			
G021-GZ1B	G01-GX1B N34	G0L1G1	Green		Start or Stop
G021-KZ1C	G01-KX1C N34	G0L1K1	Black		Reset or Blank
G021-RZ2B	G01-RX2B N34	G0L1R2	Red		Start or Stop
G021-KZ2C	G01-KX2C N34	G0L1K2	Black		Reset or Blank
G021-GZ3C	G01-GX3C N34	G0L1G3	Green		Reset or Blank
G021-RZ3C	G01-RX3C N34	G0L1R3	Red		Reset or Blank
G021-KZ3C	G01-KX3C N34	G0L1K3	Black		Reset or Blank
G021-GZ0C	G01-GX0C N34	G0L1G	Green	None	Reset or Blank
G021-RZ0C	G01-RX0C N34	G0L1R	Red		Reset or Blank
G021-KZ0C	G01-KX0C N34	G0L1K	Black		Reset or Blank

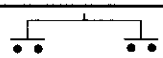
G SINGLE PUSH BUTTON (MAINTAINED CONTACT) MUSHROOM HEAD PUSH-PULL OPERATION

—	G0M1-GM3C	—	Green		Blank
—	G0M1-RM3C	—	Red		Blank
—	G0M1-KM3C	—	Black		Blank
—	G0M1-GM0C	—	Green	None	Blank
—	G0M1-RM0C	—	Red		Blank
—	G0M1-KM0C	—	Black		Blank

G DOUBLE PUSH BUTTON (MOMENTARY CONTACT)

G022-GR12D	G02-GR12D N34	G0L2GR12	Green/Red		Start/Stop or Blank
G022-KK12D	G02-KK12D N34	G0L2KK12	Black/Black		Start/Stop or Blank
G022-GR33D	G02-GR33D N34	G0L2GR33	Green/Red		Start/Stop or Blank
G022-KK33D	G02-KK33D N34	G0L2KK33	Black/Black		Start/Stop or Blank
G022-GR00D	G02-GR00D N34	G0L2GR	Green/Red	None	Start/Stop or Blank
G022-KK00D	G02-KK00D N34	G0L2KK	Black/Black		Start/Stop or Blank

G DOUBLE PUSH BUTTON (MAINTAINED CONTACT)⑤

—	G0R11-GR6D N34	—	Green/Red		Start/Stop or Blank
—	G0R11-GR7D N34	—	Green/Red		Start/Stop or Blank
—	G0R11-GR8D N34	—	Green/Red		Start/Stop or Blank
—	G0R11-GR0D N34	—	Green/Red	None	Start/Stop or Blank

① *Refer to catalog page C49 to select proper operator for enclosure, page C57 for accessories, page C50 for complete details on Area Classification of operators, page C60 for Dimensional information.*
② *Nameplates are double sided.*
③ *Contact Blocks are shown in their normal position.*
④ *Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.*
⑤ *When pressed, the green button will remain in a depressed position. Pressing red button releases green from the depressed position.*

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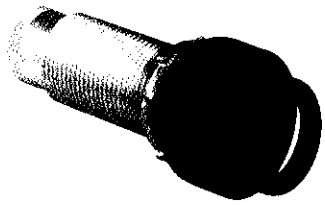
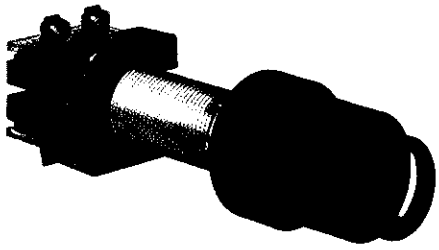
C



Pilot Light



Illuminated Button

Class I, Div. 1 & 2, Groups B,C,D ④
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

See Area Classification Chart page C50 for Details

Ⓤ Listed - File E12379

Ⓒ Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

CATALOG NUMBER①			COLOR	CONTACT TYPE③	NAMEPLATE MARKING②
SHORT④	LONG	EXTENDED			
G PILOT LIGHTS					
G023-A23C	GOB3-A23C N34	GOL3A	Amber	110-120 Volts Full Volts	Blank
G023-B23C	GOB3-B23C N34	GOL3B	Blue		Blank
G023-C23C	GOB3-C23C N34	GOL3C	Clear		Blank
G023-F23C	GOB3-F23C N34	GOL3F	Frosted		Blank
G023-G23C	GOB3-G23C N34	GOL3G	Green		Blank
G023-R23C	GOB3-R23C N34	GOL3R	Red		Blank
G PILOT LIGHTS WITH LED 110 VOLT LAMPS					
—	GOB3-A23C N34 LED	GOL3A LED	Amber	110-120 Volts Full Volts (LED)	Blank
—	GOB3-G23C N34 LED	GOL3G LED	Green		Blank
—	GOB3-R23C N34 LED	GOL3R LED	Red		Blank
G ILLUMINATED BUTTON OR PUSH TO TEST PILOT LIGHT					
—	GOB4-A233C N34	GOL4A3	Amber	110-120 Volts Full Volts	Blank
—	GOB4-B233C N34	GOL4B3	Blue		Blank
—	GOB4-C233C N34	GOL4C3	Clear		Blank
—	GOB4-F233C N34	GOL4F3	Frosted		Blank
—	GOB4-G233C N34	GOL4G3	Green		Blank
—	GOB4-R233C N34	GOL4R3	Red		Blank
—	GOB4-A230C N34	GOL4A	Amber	110-120 Volts No Contact Blocks	Blank
—	GOB4-B230C N34	GOL4B	Blue		Blank
—	GOB4-C230C N34	GOL4C	Clear		Blank
—	GOB4-F230C N34	GOL4F	Frosted		Blank
—	GOB4-G230C N34	GOL4G	Green		Blank
—	GOB4-R230C N34	GOL4R	Red		Blank
G ILLUMINATED BUTTON OR PUSH TO TEST PILOT LIGHT WITH LED 110 VOLT LAMPS					
—	GOB4-A233C N34 LED	GOL4A3 LED	Amber	110-120 Volts Full Volts (LED)	Blank
—	GOB4-G233C N34 LED	GOL4G3 LED	Green		Blank
—	GOB4-R233C N34 LED	GOL4R3 LED	Red		Blank
—	GOB4-A230C N34 LED	GOL4A LED	Amber	110-120 Volts (LED) No Contact Blocks	Blank
—	GOB4-G230C N34 LED	GOL4G LED	Green		Blank
—	GOB4-R230C N34 LED	GOL4R LED	Red		Blank

① Refer to catalog page C50 to select proper operator for enclosure, page C57 for accessories, page C50 for complete details on Area Classification of operators, page C60 for Dimensional information.
② Nameplates are double sided.
③ Contact Blocks are shown in their normal position.
④ Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.

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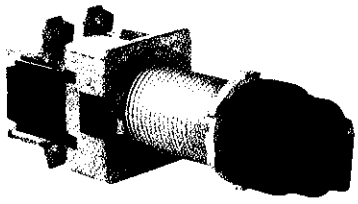

Selector Switch
Maintained Contact

Selector Switch
Spring Return

Class I, Div. 1 & 2, Groups B,C,D④
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

See Area Classification Chart page C50 for Details

Ⓤ Listed - File E12379

Ⓒ Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

G SELECTOR SWITCH MAINTAINED CONTACT

CATALOG NUMBER①			CONTACT ARRANGEMENT③	TYPE OF OPERATION②
SHORT④	LONG	EXTENDED		
G025-2A3F	G05-2A3F N34	G0L52A3	Left, Right	Two position
G025-3C3G	G05-3C3G N34	G0L53C3	Left, Center, Right	Three position
G025-4H8H	G05-4H8H N34	G0L54H8	1, 2, 3, 4	Four position

G SELECTOR SWITCH MAINTAINED CONTACT WITHOUT CONTACTS

G025-2A0F	G05-2A0F N34	G0L52A	None	Two position
G025-3C0G	G05-3C0G N34	G0L53C	None	Three position
G025-4H0H	G05-4H0H N34	G0L54H	None	Four position

G SELECTOR SWITCH SPRING RETURN

G026-3F	G06-3F N34	G0L63	Left, Right	Two position spring return to left
G027-6G	G07-6G N34	G0L76	Left, Center, Right	Three position spring return to center from right or left
G034-6G	G014-6G N34	G0L146	Left, Center, Right	Three position spring return to center from right, maintain in left
G035-6G	G015-6G N34	G0L156	Left, Center, Right	Three position spring return to center from left, maintain in right

G SELECTOR SWITCH SPRING RETURN WITHOUT CONTACTS

G026-0F	G06-0F N34	G0L6	None	Two position spring return to left
G027-0G	G07-0G N34	G0L7	None	Three position spring return to center from right or left
G034-0G	G014-0G N34	G0L14	None	Three position spring return to center from right, maintain in left
G035-0G	G015-0G N34	G0L15	None	Three position spring return to center from left, maintain in right

① Refer to catalog page C50 to select proper operator for enclosure, C57 for Accessories, C50 for complete details on Area Classification of operators, C60 for Dimensional Information, C58 for Special Contact Configurations.

② Nameplates are Double sided. 2 position marked ON-OFF and Blank on other side. 3 position marked HAND-OFF-AUTO and Blank on other side. 4 position is Blank.

③ Contact Blocks are shown in their normal position.

④ Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.

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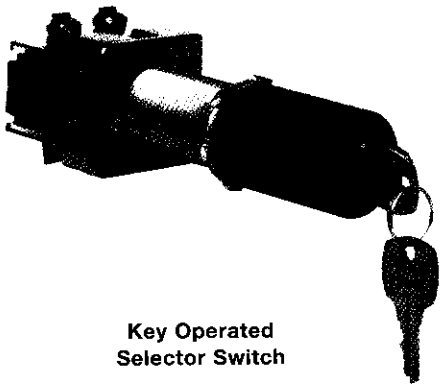


Key Operated
Selector Switch

Class I, Div. 1 & 2, Groups B,C,D ⑤
Class 1, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

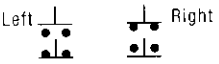
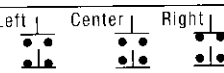
See Area Classification Chart page C50 for Details

(UL) Listed - File E12379

(SP) Certified - File LR11714
See files for details or call Killark.

FEATURES-SPECIFICATIONS

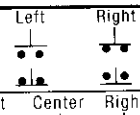
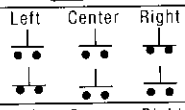
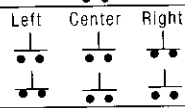
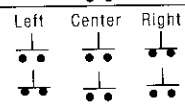
G KEY SELECTOR SWITCH MAINTAINED CONTACT④

CATALOG NUMBER①			CONTACT ARRANGEMENT③	TYPE OF OPERATION②⑤
SHORT⑥	LONG	EXTENDED		
G028-2A3F22D	G08-2A3F22D N34	G0L82A322D		Two position
G028-3C3G32D	G08-3C3G32D N34	G0L83C332D		Three position

G KEY SELECTOR SWITCH MAINTAINED CONTACT WITHOUT CONTACTS④

G028-2A0F22D	G08-2A0F22D N34	G0L82A022D	None	Two position
G028-3C0G32D	G08-3C0G32D N34	G0L83C032D	None	Three position

G KEY SELECTOR SWITCH SPRING RETURN④

G056-2L3F22D	G036-2L3F22D N34	G0L36L322D		Two position spring return to left
G057-3C6G32D	G037-3C6G32D N34	G0L37C632D		Three position spring return to center from right or left
G058-3L6G32D	G038-3L6G32D N34	G0L38L632D		Three position spring return to center from right, maintain in left
G059-3R6G32D	G039-3R6G32D N34	G0L39R632D		Three position spring return to center from left, maintain in right

G KEY SELECTOR SWITCH SPRING RETURN WITHOUT CONTACTS④

G056-2L0F22D	G036-2L0F22D N34	G0L36L022D	None	Two position spring return to left
G057-3C0G32D	G037-3C0G32D N34	G0L37C032D	None	Three position spring return to center from right or left
G058-3L0G32D	G038-3L0G32D N34	G0L38L032D	None	Three position spring return to center from right, maintain in left
G059-3R0G32D	G039-3R0G32D N34	G0L39R032D	None	Three position spring return to center from left, maintain in right

① Refer to catalog page C50 to select proper operator for enclosure, page C57 for Accessories, page C50 for complete details on Area Classification of operators, page C60 for Dimensional Information, page C58 for Special Contact Configurations.
② Nameplates are Double sided. 2 position marked ON-OFF and Blank on other side. 3 position marked HAND-OFF-AUTO and Blank on other side. 4 position is Blank.
③ Contact Blocks are shown in their normal position.
④ All Key Operators are furnished Keyed Different If Keyed Alike is required substitute letter "A" for letter "D" in catalog number.
⑤ Keys are removable in Left position on 2 position selectors and in Center position on 3 position selectors. For key removal in ALL positions change "22" in 2 position to "20" and "32" in 3 position to "30".
⑥ Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.

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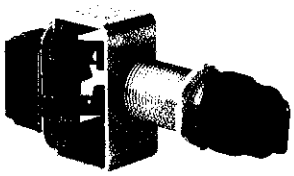
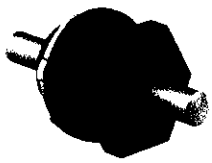


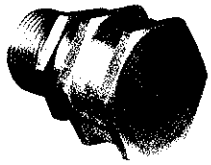
Snap Switch

Potentiometer and Rheostat

Reset



Rotary or Motor Shaft



Capillary Seal

Class I, Div. 1 & 2, Groups B,C,D④
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

See Area Classification Chart page C50 for Details

SP Certified - File LR11714

See file for details or call Killark.

FEATURES-SPECIFICATIONS

G SNAP SWITCH OPERATOR

CATALOG NUMBER①		TYPE SWITCH	RATINGS		NAMEPLATE MARKING②
SHORT④	LONG		125 VAC	250 VAC	
GO30-31F	GO10-31F N34	SPST	10 Amp	5 Amp	Off/On or Blank
GO30-32F	GO10-32F N34	DPST	10 Amp	10 Amp	Off/On or Blank
GO30-33F	GO10-33F N34	SPDT (3-way)	10 Amp	10 Amp	Off/On or Blank

(UL File E10501)

G POTENTIOMETERS AND RHEOSTATS OPERATOR

CATALOG NUMBER①			TYPE	DESCRIPTION①
SHORT④	LONG	EXTENDED		
GO133	GO113 N34	GOL113	Single turn	Control operator for use with potentiometers or rheostats having a 1/4" diameter by 7/8" long shaft.
GO134	GO114 N34	GOL114	Fifteen turn	

(UL File E12379)

G RESET OPERATOR

CATALOG NUMBER①			NAMEPLATE②	TYPE OPERATION①
SHORT③	LONG	EXTENDED		
GO40-KX2C	GO-RST	GOLRST	Reset or Blank	Black plunger type reset operator, supplied with a 6" long fiber extension which can be removed or cut to desired length.

(UL File E150827)

G ROTARY OR MOTOR SHAFT OPERATOR

CATALOG NUMBER①	SHAFT DIAMETER	TYPE	DESCRIPTION①
GO-16⑤	1/4"	Male-Female	Rotary or motor shaft operator used to transfer rotary motion through wall of explosion proof enclosure.
GO-18⑤	3/8"		
GO-17⑤	1/4"	Male-Male	
GO-19⑤	3/8"		
GO-50	1/2"		
GO-51	1/2"		

GO50 requires 1-1/4" NPSM opening (UL File E150827)

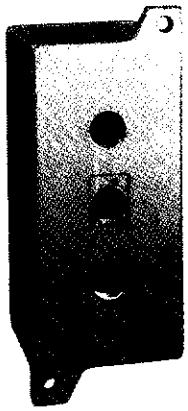
G CAPILLARY SEALS

CATALOG NUMBER①	CAPILLARY SIZE	TYPE	DESCRIPTION①
GO-11388-078⑤	0.078± .002 Dia.	Accepts Capillary With Max. Bulb Dia. of 9/16".	Use where a mechanical means for passing a thermostat or similar capillary tube through the wall of a hazardous location enclosure.
GO-11372-093⑤	0.093± .002 Dia.		

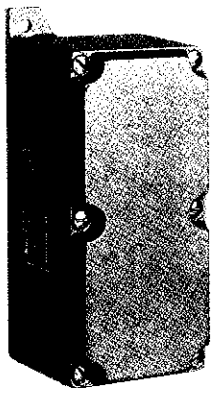
C

① *Refer to catalog page C50 to select proper operator for enclosure, page C57 for Accessories, page C50 for complete details on Area Classification of operators, page C60 for Dimensional Information.*
② *Nameplates are double sided.*
③ *GO40 series reset button is suitable for Class II E, F, and G locations only.*
④ *Short style operators are suitable for Class I Group C & D, Class II Group E,F,G only.*
⑤ *These devices are not UL or CSA approved.*

Style 1 - GSC 16



Style 2 - GSC 163



Style 3 - SWBC-16

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)
SWBC Series:

Listed - File E10514

Certified - File LR11716

See files for details or call Killark.

FEATURES-SPECIFICATIONS

GSC STYLE 1 – WITH DRILLED AND TAPPED OPERATOR HOLES IN COVER

CATALOG NUMBER	NO. OF OPERATOR HOLES	CONSISTS OF		DIMENSIONS							
		BOX	COVER	A	B	C	D	E	G	H	I
GCS-13	1	SWB-13	X-60	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-3/16" (148)	3-5/8" (92)	—	3-1/2" (89)	2-9/16" (65)
GCS-14	1	SWB-14	X-60	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-1/4" (133)	3-5/8" (92)	—	4-5/16" (110)	3-3/8" (86)
GCS-15	2	SWB-15	X-61	7-3/8" (187)	3-1/8" (79)	5/16" (8)	6-1/2" (165)	4" (102)	1" (25)	4-1/4" (108)	3-1/4" (82)
GCS-16	3	SWB-16	X-62	9-3/8" (238)	3-3/16" (81)	5/16" (8)	8-1/2" (216)	4" (108)	2" (51)	4-1/4" (105)	3-1/4" (82)
GCS-83	4	SWB-83②	X-84	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	1-1/4" (32)	4-3/16" (106)	3-1/4" (82)
GCS-85	5	SWB-83②	X-85	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	2" (51)	4-3/16" (106)	3-3/16" (81)

GSC STYLE 2 – WITH DRILLED AND TAPPED OPERATOR HOLES IN BACK OF BOX

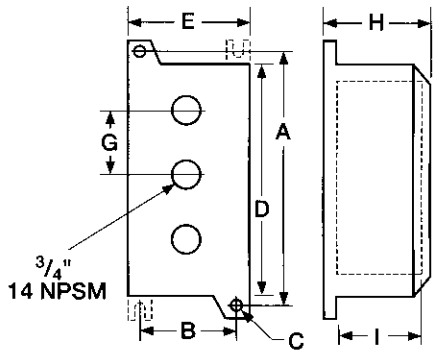
GCS-131	1	SWB-13	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-3/16" (148)	3-5/8" (92)	—	3-1/2" (89)	2-9/16" (65)
GCS-141	1	SWB-14	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-1/4" (133)	3-5/8" (92)	—	4-5/16" (110)	3-3/8" (86)
GCS-152	2	SWB-15	X-11	7-3/8" (187)	3-1/8" (79)	5/16" (8)	6-1/2" (165)	4" (102)	1" (25)	4-1/4" (108)	3-1/4" (82)
GCS-163	3	SWB-16	X-12	9-3/8" (238)	3-3/16" (81)	5/16" (8)	8-1/2" (216)	4" (102)	2" (51)	4-1/4" (108)	3-1/4" (82)
GCS-834	4	SWB-83②	X-83	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	1-1/4" (32)	4-3/16" (106)	3-1/4" (82)
GCS-835	5	SWB-83②	X-83	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	2" (51)	4-3/16" (106)	3-3/16" (81)

SWB STYLE 3 – BLANK BOX AND COVER - NO OPERATOR HOLES

SWBC-13	None	SWB-13	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-3/16" (148)	3-5/8" (92)	—	3-1/2" (89)	2-9/16" (65)
SWBC-14	None	SWB-14	X-10	6-1/8" (156)	2-3/8" (60)	5/16" (8)	5-1/4" (133)	3-5/8" (92)	—	4-5/16" (110)	3-3/8" (86)
SWBC-15	None	SWB-15	X-11	7-3/8" (187)	3-1/8" (79)	5/16" (8)	6-1/2" (165)	4" (102)	—	4-1/4" (108)	3-1/4" (82)
SWBC-16	None	SWB-16	X-12	9-3/8" (238)	3-3/16" (81)	5/16" (8)	8-1/2" (216)	4" (111)	—	4-1/4" (108)	3-1/4" (82)
SWBC-83	None	SWB-83②	X-83	13" (330)	3-1/4" (82)	3/8" (10)	11-7/8" (302)	4-3/8" (111)	—	4-3/16" (106)	3-3/16" (81)

① *All GCS and SWBC Series are cataloged without conduit openings. Specify conduit size and location when ordering.*
② *GCS-83, GCS-834, and GCS-85, GCS-835 are provided with four mounting lugs.*

Dimensions



Notes: Use short style operators for cover devices and long style operators for back of box mounted devices when panel mounting.

Style 2 control stations with holes in back of box are typically used for panel mounting.

HUBBELL
KILLARK

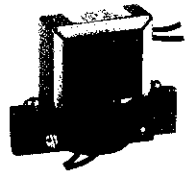
Standard Mushroom

Jumbo Mushroom

Rubber Boot

Hole Plug

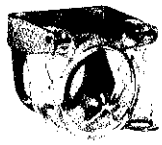
Trim Locknut Spacer


Transformer GO-8670

Push Button Lockout GO-8665

ACCESSORIES		
CATALOG NUMBER	USED ON OPERATOR TYPE	DESCRIPTION
GO-8166-2	GO1, GO21, GOL1	Standard mushroom (Red)
GO-8167-2	GO1, GO21, GOL1	Jumbo mushroom (Red)
GO-8176-1	GO1, GO21, GOL1	Protective rubber boot (Black)
GO-8176-2	GO1, GO21, GOL1	Protective rubber boot (Red)
GO-8176-3	GO1, GO21, GOL1	Protective rubber boot (Green)
GO-8177	3/4" NPSM	Hole plug
GO-8222	7/32" Thick, Used as external spacer.	Trim locknut spacer
GO-8670-32	GO23, GOB3, GOL3	Transformer 220V-110V
GO-8670-34	GO23, GOB3, GOL3	Transformer 440V-110V
GO-8671-42	GOB4, GOL4	Transformer 220V-110V
GO-8671-44	GOB4, GOL4	Transformer 440V-110V
GO-8665	GO2, GO22, GOL2, GOR11	Push button lockout
GO-10502	GO1, GO21, GOL1	Push button lockout
GO-567-LOK	GO & GOL5-6-7-14-15-26-27-34-35	Selector switch lockout
GO-9824	GO40, GO-RST, GOLRST	Reset plate
B7PLR220	GO23, GOB3, GOL3, GOB4, GOL4	Resistor kit 220V-110V
B7PLR440	GO23, GOB3, GOL3, GOB4, GOL4	Resistor kit 440V-110V
B7PLR550	GO23, GOB3, GOL3, GOB4, GOL4	Resistor kit 550V-110V
GOLED-R110	GOB3, GOL3, GOB4, GOL4	LED lamps 120V (Red)
GOLED-G110	GOB3, GOL3, GOB4, GOL4	LED lamps 120V (Green)
GOLED-A110	GOB3, GOL3, GOB4, GOL4	LED lamps 120V (Amber)

Push Button Lockout GO-10502


Selector Switch Lockout

Reset Plate

Sealing Locknut GO-RL

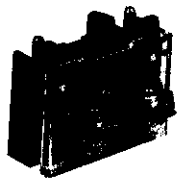
C

Replacement Parts

Slide Base GO23

Bayonet Base GOL3/GOL4 GOB3/GOB4

Lens Guard Assembly


Contact Block

PILOT LIGHT LAMPS				
CATALOG NUMBER	VOLTS	WATTS	AMPS	STYLE
GO-8668-120	120	3	0.025	GO23
GO-8668-24	24	1.7	0.073	
YOSY120MB	120	3	0.025	GOB3/GOL3
YOSY24MB	24	1.7	0.073	GOB4/GOL4

REPLACEMENT LENS GUARD ASSEMBLIES		
CATALOG NUMBER		LENS COLOR
GOL3/GOB3/GO23 SERIES	GOL4/GOB4 SERIES	
GO15726-A	KIT-354	Amber
GO15726-B	KIT-355	Blue
GO15726-C	KIT-356	Clear
GO15726-F	KIT-357	Frosted
GO15726-G	KIT-358	Green
GO15726-R	KIT-359	Red

CONTACT BLOCKS	
CATALOG NUMBER	DESCRIPTION
GO-8672-BJK	1 N.O.
GO-8672-BJJ	1 N.C.
GO-8672-BJH	1 N.O. early make
GO-8672-BJE	1 N.C. late break

REPLACEMENT BLANK NAMEPLATES	
CATALOG NUMBER	DESCRIPTION
YOKK-9484-2	Push button pilot lights
YOKK-10291	Double push button
YOKK-10286	2 Position selector switch
YOKK-10285	3 Position selector switch
YOKK-10285	4 Position selector switch

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Example: GO1 — RX 2 B N34

GO1	RX	2	B	N34
FORM SINGLE PUSH BUTTON LONG STYLE	COLOR (RED)	CONTACTS (1 N.C.)	NAMEPLATE (STOP)	CONSTANT

NOTE: For faster delivery on custom operators order push buttons and selector switches without contact blocks and order contacts as a separate item.

FEATURES-SPECIFICATIONS

1. Select operator form and style (short, long or extended).
2. Using the catalog numbering system below, insert the proper letter or number symbol as shown in appropriate charts on page C59, write the complete catalog number.
3. Spaces in catalog numbering system which have symbol already filled in cannot be changed.
4. Order accessories as separate item from page C56.
5. Add "N34" suffix to the end of all long style operators with the following prefix; G01, G02, G0B3, G0B4, G05, G06, G07, G08, G010, G011, G014, G015, G036, G037, G038, G039.

CATALOG SERIES	COLOR	VOLTAGE	POSITION	CAM	CONTACTS	NAMEPLATE	KEY LOCK	KEY TYPE	DESCRIPTION
G01 & G021 G0L1	Chart 1				Chart 4	Chart 8			Single push button: (Momentary contact)
G0M1	Chart 1				Chart 4	Chart 8			Single push button: (Maintained contact)
G02 & G022 G0L2	Chart 2				Chart 4	Chart 8			Double push button: (Momentary contact)
G011	Chart 2				Chart 4	Chart 8			Double push button: (Maintained contact)
G0B3 & G023 G0L3	Chart 3	Chart 6				Chart 8			Pilot light
G0B4 G0L4	Chart 3	Chart 6			Chart 4	Chart 8			Illuminated push button
G05 & G025 G0L5			Chart 5	Chart 7	Chart 4	Chart 8			Selector switch (Maintained contact)
G06 & G026 G0L6					Chart 4	Chart 8			Selector switch (2 Position, spring return to left)
G07 & G027 G0L7					Chart 4	Chart 8			Selector switch (3 Position, return to center from center)
G014 & G034 G0L14					Chart 4	Chart 8			Selector switch (3 Position, return to center from right)
G015 & G035 G0L15					Chart 4	Chart 8			Selector switch (3 Position, return to center from left)
G08 & G028 G0L8			Chart 5	Chart 7	Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (Maintained contact)
G036 & G056 G0L36					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (2 Position, spring return to left)
G037 & G057 G0L37					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (3 Position, spring return to center)
G038 & G058 G0L38					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (3 Position, return to center from right)
G039 & G059 G0L39					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (3 Position, return to center from left)

CHART 1 – SINGLE BUTTON

G01 SYMBOL	G021 SYMBOL	G0L1 SYMBOL	G0M1 SYMBOL	COLOR
KX	KZ	K	KM	Black
RX	RZ	R	RM	Red
GX	GZ	G	GM	Green

CHART 2 – DOUBLE BUTTON

SYMBOL	COLOR
KK	Black/Black
GG	Green/Green
RR	Red/Red
RG	Red/Green
KR	Black/Red
KG	Black/Green

CHART 3 – PILOT LIGHT LENS

SYMBOL	COLOR
A	Amber
B	Blue
C	Clear
F	Frosted
G	Green
R	Red

CHART 4 – CONTACT BLOCKS

SYMBOL	ARRANGEMENT
1	One N.O. block
2	One N.C. block
3	One universal (One N.O. and one N.C.)
4	One delayed break N.C. block
5	One early make N.O. block
6	Two N.O. blocks
7	Two N.C. blocks
8	Two universal (Two N.O. and two N.C.)
0	Omit contact block

CHART 5 – SELECTOR SWITCHES

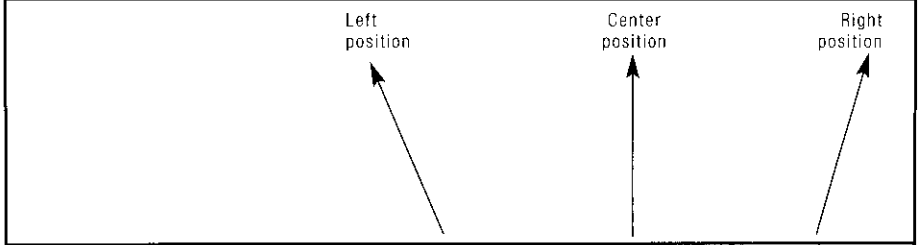
SYMBOL	NO. OF POSITIONS
2	Two
3	Three

CHART 6 – PILOT LIGHT LAMPS①

G023 SYMBOL	G0B3/G0B4 SYMBOL	VOLTAGE
23	23	120
4	4	24

CHART 7A – SELECTOR SWITCH CAMS

CAM AND CONTACT SELECTION TABLE FOR 2 AND 3 POSITION SELECTOR OPERATOR



SYMBOL	CONTACTS BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS	LEFT BLOCKS	RIGHT BLOCKS
A	NC	X	X			0	0
	NO	0	0			X	X
B	NC	X	0	X	X	0	X
	NO	0	X	0	0	X	0
C	NC	X	X	0	0	0	0
	NO	0	0	0	0	X	X
D	NC	0	0	X	X	0	0
	NO	0	0	0	0	X	X
E	NC	0	0	X	X	0	0
	NO	X	X	0	0	0	0
F	NC	X	0	0	X	0	0
	NO	0	0	0	0	X	X

Note: Spring return operators are supplied with special fixed cam. Changes cannot be made for cam substitution.

CHART 8 – NAMEPLATES①

SYMBOL	NAMEPLATE MARKINGS FRONT	NAMEPLATE MARKINGS BACK	G SERIES FORMS THAT NAMEPLATE CAN BE USED ON
A	Omit nameplate	Omit nameplate	All
B	Start	Stop	G01, 21, 23, 20, 40, G0B3
C	Blank	Reset	G01, 21, 23, 20, 40, G0B3, G0B4
E	Blank	On	G0R4
F	Blank-Blank	Off-On	G05, 25, 6, 26, 8, 28, 10, 30, 36, 56
G	Blank-Blank-Blank	Hand-Off-Auto	G05, 25, 7, 27, 8, 28, 10, 30, 14, 34
H	Blank-Blank-Blank-Blank	Start-Stop	G05, 25, 10, 30

CHART 9 – KEY LOCK

SYMBOL	TYPE
22	2 Position key remove left
20	2 Position key remove both
32	3 Position key remove center
30	3 Position key remove all

CHART 10 - KEY STYLE

SYMBOL	TYPE
D	Keys different
A	Keys alike

① *Symbol not required on extended length G0L part number.*

C

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G DIMENSIONS					
SERIES	FIGURE	A	B	C	D
G01	1	15/16"(24)	1-3/4"(44)	3-7/16"(87)	1-1/4"(32)
G02	3	13/16"(21)	2"(51)	3-3/4"(95)	—
G0B3	4	1-1/8"(29)	2"(51)	2-3/4"(70)	1-9/16"(40)
G0B4	5	2-3/8"(60)	2-1/4"(57)	4"(101)	1-13/16"(46)
G05	9	1-5/16"(33)	1-3/4"(44)	3-7/16"(87)	1-1/4"(32)
G06,G07,G014,G015	9	1-5/16"(33)	1-3/4"(44)	3-13/16"(97)	1-1/4"(32)
G08	10	2-9/16"(65)	1-3/4"(44)	3-1/2"(89)	1-1/4"(32)
G010	11	1-5/16"(33)	1-3/4"(44)	4"(101)	1-1/4"(32)
G016,G018	7	1-1/4"(32)	1"(25)	13/16"(21)	1-1/2"(38)
G017,G019	7	13/16"(21)	1"(25)	13/16"(21)	1-1/2"(38)
G021	1	15/16"(24)	3/4"(19)	2-7/16"(62)	1-1/4"(32)
G022	3	13/16"(21)	1"(25)	2-3/4"(70)	—
G023	4	1-1/8"(29)	1"(25)	1-3/4"(44)	1-9/16"(40)
G025	9	1-5/16"(33)	3/4"(19)	2-7/16"(62)	1-1/4"(32)
G026,G027,G034,G035	9	1-5/16"(33)	3/4"(19)	2-13/16"(71)	1-1/4"(32)
G030	11	1-5/16"(33)	3/4"(19)	3"(76)	1-1/4"(32)
G036,G037,G038,G039	10	2-9/16"(65)	1-3/4"(00)	3-7/8"(98)	1-1/4"(32)
G040	2	15/16"(24)	11/16"(17)	1"(25)	1-1/4"(32)
G050	7	1-1/2"(38)	2"(51)	6-5/16"(160)	2-5/16"(59)
G051	7	2-1/4"(57)	1-5/8"(41)	5-9/16"(141)	1"(25)
G056,G057,G058,G059	10	2-9/16"(65)	3/4"(19)	2-7/8"(73)	1-1/4"(32)
G0113,G0114	6	1"(25)	2"(51)	3-5/8"(67)	1-13/16"(46)
G0133,G0134	6	1"(25)	1"(25)	2-5/8"(67)	1-13/16"(46)
GO-11388-078	8	1-5/16"(33)	3/4"(19)	N/A	1-1/2"(38)
GO-11372-093	8	1-5/16"(33)	3/4"(19)	N/A	1-1/2"(38)
GOR11	3	13/16"(21)	2"(51)	4-1/8"(105)	—
GO-RST	2	15/16"(24)	2-5/16"(59)	2-3/8"(+6")(60)	1-1/4"(32)
GOM1	1	1-7/8"(48)	1-7/16"(37)	4"(101)	1-5/8"(41)
EXTENDED LENGTH OPERATORS:					
G0L1	1	15/16"(24)	2-3/4"(70)	4-7/16"(113)	1-1/4"(32)
G0L2	3	13/16"(210)	2-3/4"(70)	4-1/2"(114)	—
G0L3	4	1-1/8"(29)	2-3/4"(70)	3-3/8"(86)	1-9/16"(40)
G0L4	5	2-3/8"(60)	2-3/4"(70)	4-5/8"(117)	1-13/16"(46)
G0L5	9	1-5/16"(33)	2-3/4"(70)	4-7/16"(113)	1-1/4"(32)
G0L6,G0L7,G0L14,G0L15	9	1-5/16"(33)	2-3/4"(70)	4-13/16"(122)	1-1/4"(32)
G0L8	10	2-9/16"(65)	2-3/4"(70)	4-1/2"(114)	1-1/4"(32)
G0L36,G0L37,G0L38,G0L	10	2-9/16"(65)	2-3/4"(70)	4-7/8"(124)	1-1/4"(32)
G0L113,G0L114	6	1"(25)	3"(76)	4-5/8"(117)	1-13/16"(46)
G0LRST	2	15/16"(24)	2-3/4"(70)	3"(+6")(76)	1-1/4"(32)

NOTE: All operators are for installation into a 3/4"-14 NPSM opening except GO50 which is for 1-1/4"-11-1/2 NPSM and GO-11388-078 + GO-11372-093 which are for use in a 3/4"-14 NPT opening.

Push Buttons

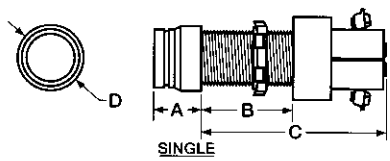


FIGURE 1

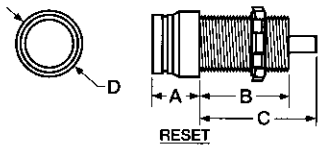


FIGURE 2

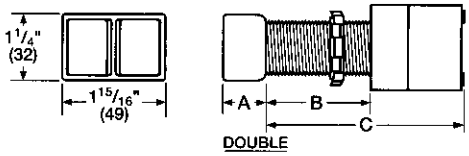


FIGURE 3

Pilot Lights

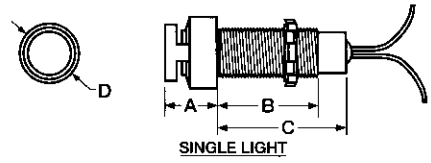


FIGURE 4

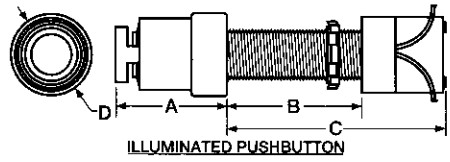


FIGURE 5

Special Operators

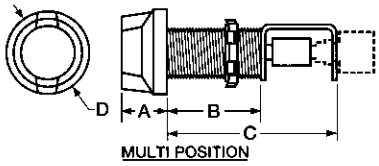


FIGURE 6

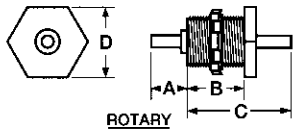


FIGURE 7

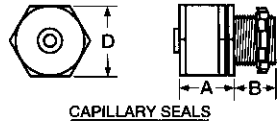


FIGURE 8

Selector Switches

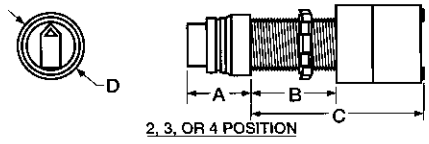


FIGURE 9

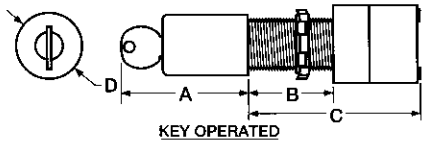


FIGURE 10

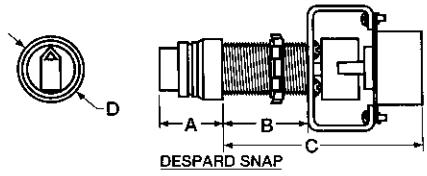


FIGURE 11

HUBBELL®
KILLARK®

Line Starter

Combination Starter

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

UL Classified - File E83969

CSA Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

PRISM®

Applications

The PRISM® B7 Series of across-the-line starter and combination motor control centers utilize SSNR single-speed, non-reversing NEMA type starters.

Prism enclosures universal design accommodates, as standard, the magnetic starters made by the following manufacturers:

- Allen-Bradley — 509 Series
- Cutler-Hammer — A10 Series
- Cutler-Hammer — AN16 Series
- Furnas — Class 14 Series
- GE — CR306 Series
- Square D — 8536 Series
- Telemecanique — A20 Series
- Westinghouse — A200 Series

In addition, the SSNR combination starters will house a motor circuit protector or circuit breakers manufactured by:

- Square D — FA, FH, FC Frames
- Cutler-Hammer — HMC, EHD, FDB, FD, HFD, FDC Frames
- General Electric — TEB-TEC-TED-THED-Frame

There is sufficient space in the combination starter enclosure for a control transformer, if required.

Standard Materials

Enclosure – Copper-free aluminum

O-ring Gasket – BUNA-N nitrile

Cover Bolts – 316 grade stainless steel

CB/MCP Handle – Copper-free aluminum

Reset Operator – Thermoplastic polyester button molded onto stainless steel shaft. Aluminum shroud.

Mounting Pan – Sheet aluminum

Hinge – Aluminum with stainless steel pin

Reset Shroud – Black anodized

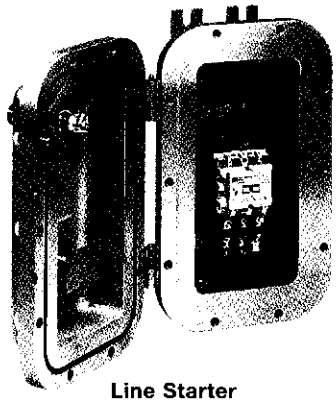
Features

- Nema 4, 4X rated – providing protection from hose directed water and corrosion
- Universal mounting pan, pre-drilled to facilitate easy field installation of starters. Provision for grounding supplied as standard.
- More wiring room – meets latest NEC wire bend requirements
- Quick release, captivated cover bolts of 316 grade stainless steel
- Flange sealing gasket located to the inside of cover bolt – preventing water seepage into enclosure through bolt holes
- Hinged cover provided as standard for an extra measure of safety and convenience
- Breaker (MCP) handle can be padlocked in "ON" or "OFF" position
- Provisions provided for drain and breather plus conduit openings for power and control
- Reset button provided as standard
- Two control operator openings provided plugged as standard. Additional openings can be factory or field drilled.
- Copper-free (less than 4/10 of 1% copper) enclosure
- Ductile mounting lugs

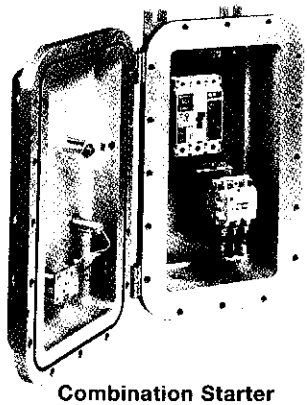
Catalog Logic

See page C66 for enclosures with controls.

C



Line Starter



Combination Starter

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

UL Classified - File E83969

CSA Certified - File LR11714

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Magnetic Line Starters - 3 Pole, 3 Phase, Single Speed Non Reversing 600 VAC Max, 60Hz

Square D or Cutler-Hammer motor starters available as standard. Heaters not included. See page C67 to order.

B7 MAGNETIC LINE STARTERS

NEMA STARTER SIZE	MOTOR VOLTS	COIL VOLTS③	MAX. HP	CATALOG NUMBER		ENCLOSURE ONLY NO INTERIORS
				CUTLER-HAMMER SERIES AN16	SQUARE D SERIES 8536	
0	SEP. CONTROL	120	—	**B7010HB**	**B7010SB**	**B7011**
0	230	240	3	**B7010HG**	**B7010SG**	
0	460	480	5	**B7010HK**	**B7010SK**	
0	575	600	5	**B7010HM**	**B7010SM**	
1	SEP. CONTROL	120	—	**B7011HB**	**B7011SB**	**B7011**
1	230	240	7-1/2	**B7011HG**	**B7011SG**	
1	460	480	40	**B7011HK**	**B7011SK**	
1	575	600	10	**B7011HM**	**B7011SM**	
2	SEP. CONTROL	120	—	**B7012HB**	**B7012SB**	**B7012**
2	230	240	15	**B7012HG**	**B7012SG**	
2	460	480	25	**B7012HK**	**B7012SK**	
2	575	600	25	**B7012HM**	**B7012SM**	
3	SEP. CONTROL	120	—	**B7013HB**	**B7013SB**	**B7013**
3	230	240	30	**B7013HG**	**B7013SG**	
3	460	480	50	**B7013HK**	**B7013SK**	
3	575	600	50	**B7013HM**	**B7013SM**	
4	SEP. CONTROL	120	—	**B7014HB**	**B7014SB**	**B7014**
4	230	240	50	**B7014HG**	**B7014SG**	
4	460	480	100	**B7014HK**	**B7014SK**	
4	575	600	100	**B7014HM**	**B7014SM**	

① See catalog logic page C66 for other standard coil voltages.
② Enclosure does not have space for control transformers.
③ See catalog page C66 for modifications and accessories to enclosure.

Combination Starters 3-Pole, 3-Phase, Single Speed Non Reversing 600 VAC Max, 60Hz

Square D or Cutler-Hammer motor starters and motor circuit protector available. Heaters not included. See page C67 to order. Enclosure sized to accommodate control circuit transformer.

B7 COMBINATION MAGNETIC LINE STARTERS

NEMA STARTER SIZE	MOTOR VOLTS	COIL VOLTS①	MAX. HP	DISCONNECT TRIP AMPS	CATALOG NUMBER		ENCLOSURE ONLY NO INTERIORS
					CUTLER-HAMMER SERIES AN16	SQUARE D SERIES 8536	
0	SEP. CONTROL	120	—	3	B7020HBCA	B7020SBAA	B7021
0	SEP. CONTROL	120	—	7	B7020HBCB	B7020SBAB	
0	SEP. CONTROL	120	—	15	B7020HBCC	B7020SBAC	
0	230	240	1	7	B7020HGCB	B7020SGAB	
0	230	240	3	15	B7020HGCC	B7020SGAC	
0	460	480	1	3	B7020HKCA	B7020SKAA	
0	460	480	2	7	B7020HKCB	B7020SKAB	
0	460	480	5	15	B7020HKCC	B7020SKAC	
0	575	600	1	3	B7020HMCA	B7020SMAA	
0	575	600	2	15	B7020HMCB	B7020SMAB	
0	575	600	5	15	B7020HMCC	B7020SMAC	
1	SEP. CONTROL	120	—	15	B7021HBCC	B7021SBAC	B7021
1	SEP. CONTROL	120	—	30	B7021HBCF	B7021SBAF	
1	230	240	7-1/2	30	B7021HGCF	B7021SGAF	
1	460	480	10	30	B7021HKCF	B7021SKAF	
1	575	600	10	30	B7021HMCF	B7021SMAF	
2	SEP. CONTROL	120	—	50	B7022HBCK	B7022SBAK	B7022
2	SEP. CONTROL	120	—	70	B7022HBCM	B7022SBAM	
2	230	240	15	50	B7022HGCK	B7022SGAK	
2	230	240	15	70	B7022HGCM	B7022SGAM	
2	460	480	25	50	B7022HKCK	B7022SKAK	
2	575	600	25	50	B7022HMCK	B7022SMAK	
3	SEP. CONTROL	120	—	100	B7023HBCQ	B7023SBAQ	B7023
3	230	240	30	100	B7023HGCQ	B7023SGAQ	
3	460	480	50	100	B7023HKCQ	B7023SKAQ	
3	575	600	50	100	B7023HMCQ	B7023SMAQ	
4	SEP. CONTROL	120	—	150	B7024HBCT	B7024SBBT	B7024
4	230	240	50	150	B7024HGCT	B7024SGBT	
4	460	480	100	150	B7024HKCT	B7024SKBT	
4	575	600	100	150	B7024HMCT	B7024SMBT	
5	SEP. CONTROL	120	—	250	B7025CBCMCPJ250	B7025SBSMAGK250	See chart below
5	SEP. CONTROL	120	—	400	B7025CBCMCPK400	B7025SBSMAGL400	
5	230	240	75	250	B7025CGCMCPJ250	B7025SGSMAGK250	
5	230	240	100	400	B7025CGCMCPK400	B7025SGSMAGL400	
5	460	480	150	250	B7025CKCMCPJ250	B7025SKSMAGK250	
5	460	480	200	400	B7025CKCMCPK400	B7025SKSMAGK400	
5	575	600	150	250	B7025CMCMCPJ250	B7025SMSMAGK250	
5	575	600	200	400	B7025CMCMCPK400	B7025SMSMAGL400	

① See catalog logic page C66 for other standard coil voltages.
② Combination Starter enclosures provide sufficient space for factory of field mounting a control transformer.
③ See catalog page C66 for modifications and accessories to enclosure.

SIZE 5 COMBINATION MOTOR STARTER ENCLOSURE ONLY

STARTER MANUFACTURER	STARTER TYPE	CIRCUIT BREAKER FRAME			ENCLOSURE CAT. NUMBER
		C-H	GE	SQ-D	
Allen Bradley	Series 509	J	F-225	K	B7025A2
Allen Bradley	Series 509	K	J-600	L	B7025A4
Cutler Hammer	Freedom-AN16	J	F-225	K	B7025C2
Cutler Hammer	Freedom-AN16	K	J-600	L	B7025C4
General Electric	Series 306	J	F-225	K	B7025G2
General Electric	Series 306	K	J-600	L	B7025G4
Square D	Series 8536	J	F-225	K	B7025S2
Square D	Series 8536	K	J-600	L	B7025S4
Westinghouse	Advantage	J	F-225	K	B7025W2
Westinghouse	Advantage	K	J-600	L	B7025W4

PRISM®

Supplied with Cutler-Hammer Advantage Starters

Applications

The PRISM® B7 Series of Combination Starters are used for Motor Control and Circuit protection of motors in Hazardous And Hostile locations. These Hazardous locations are typically due to the presence of flammable gases or vapors, combustible dust, or easily ignitable fibers and flyings, and areas which are subject to corrosion, weather and dampness.

Advantage Starter Features

- Solid-State Electronic Starter
- Brownout Protection
- Communications capabilities
- Overload Heaters not required
- Phase loss and phase unbalance protection
- Selectable automatic/manual reset
- Class II ground-fault protection

Enclosure Features

- Nema 4, 4X rated – providing protection from hose directed water and corrosion
- Universal mounting pan, pre-drilled to facilitate easy field installation of starters. Provision for grounding supplied as standard.
- More wiring room – meets latest NEC wire bend requirements
- Quick release, captivated cover bolts of 316 grade stainless steel
- Flange sealing gasket located to the inside of cover bolt – preventing water seepage into enclosure through bolt holes
- Hinged cover provided as standard for an extra measure of safety and convenience
- Breaker (MCP) handle can be padlocked in "ON" or "OFF" position
- Provisions provided for drain and breather plus conduit openings for power and control
- Field replaceable reset button provided as standard with gold contact blocks
- Two control operator openings provided plugged as standard. Additional openings can be factory or field drilled
- Copper-free (less than 4/10 of 1% copper) enclosure
- Ductile mounting lugs

Modifications & Accessories

- Select from B7 Modification Chart on page C65
- Minimum Control Transformer
  - Size 1-2 100VA
  - Size 3-4 150VA
  - Size 5 300VA
- Advantage Starters Auxiliary Contact Modules
  - 2NO/2NC = **B7ADAC**

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)

UL Classified - File E83969

CSA Certified - File LR11714
See files for details or call Killark.

Standard Materials

Enclosure – Copper-free aluminum

O-ring Gasket – BUNA-N nitrile

Cover Bolts – 316 grade stainless steel

CB/MCP Handle – Copper-free aluminum

Reset Operator – Thermoplastic polyester button molded onto stainless steel shaft. Aluminum shroud.

Mounting Pan – Sheet aluminum

Hinge – Aluminum with stainless steel pin

Reset Shroud – Black anodized

B7AD COMBINATION STARTER

NEMA STARTER SIZE	MOTOR VOLTS	MAXIMUM HP	COIL VOLTS	FULL LOAD AMPERAGE RANGE(1)	DISCONNECT AMP TRIP	CATALOG NUMBER	
						WITH MOTOR PROTECTOR AND STARTER	ENCLOSURE ONLY
1L	230	1	120/60	.47-4.14	3	B7AD02LH6CA	B7AD021
	460	2			7	B7AD02LH6CB	
	575	2			15	B7AD02LH6CC	
1	230	7-1/2	120/60	3.15-27	30	B7AD021H6CF	B7AD021
	460	10					
	575	10					
2	230	15	120/60	3.15-45	50	B7AD022H6CK	B7AD021
	460	25					
	575	25					
3	230	30	120/60	9.9-90	100	B7AD022H6CQ	B7AD023
	460	50					
	575	50					
4	230	50	120/60	9.9-133	150	B7AD024H6CT	B7AD024
	460	100					
	575	100					
5	230	100	120/60	38.3-270	400	B7AD025H6K400	B7AD025K
	460	200					
	575	200					

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Notes: (1) Heaters are not required with the Advantage Starter. The Overload Module has trip current settings via DIP Switch between the amperage range shown.
(2) All Advantage Starters are wired for separate control and must be controlled at the coil voltage shown. For 50 HZ applications a 110V 50 Hz coil is available. To order with this 50 Hz coil replace the number "6" in catalog number with "5".
(3) Enclosures provide sufficient space for factory or field mounting a control transformer.

B7 DIMENSIONS

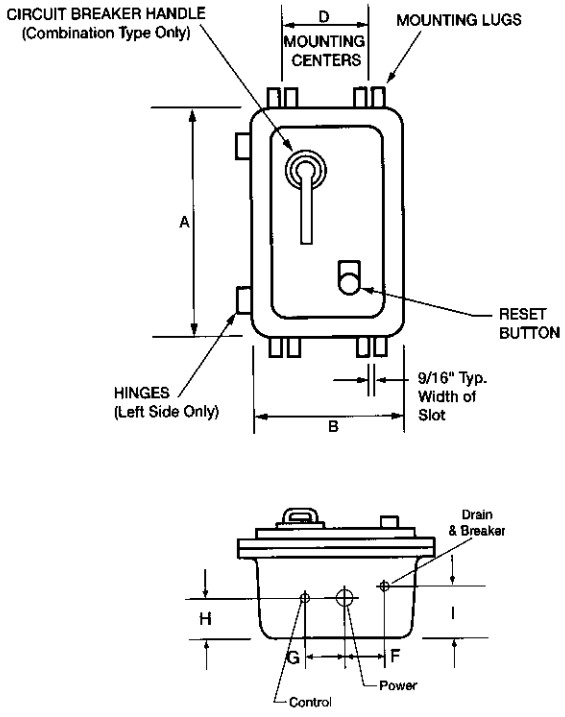
CATALOG NUMBER	NEMA SIZE	TYPE	DIMENSIONS									EST. ENCLOSURE WEIGH (LBS.)	CONDUIT OPENINGS TOP/BOTTOM (IN.)①		
			A	B	C	D	E	F	G	H	I		POWER	CONTROL	DRAIN & BREATHER
B7011	0,1	Starter Only	18" (457)	11" (280)	9-1/8" (232)	3-5/8" (92)	16-3/8" (416)	2-1/8" (54)	2-3/8" (60)	2-11/16" (68)	3-7/16" (87)	46	1-1/2"	3/4"	1/2"
B7012	2	Starter Only	20" (508)	12-1/2" (317)	9-1/8" (232)	5" (127)	18-3/8" (467)	2-1/2" (63)	2-1/2" (63)	2-11/16" (68)	3-3/16" (81)	56	1-1/2"	3/4"	1/2"
B7013	3	Starter Only	26-1/4" (667)	12-1/2" (317)	10-3/4" (276)	5" (127)	24-5/8" (625)	2-1/2" (63)	2-3/4" (70)	4-1/16" (103)	5-1/2" (140)	80	2"	1"	1/2"
B7014	4	Starter Only	34-1/4" (870)	16-1/2" (419)	11-1/2" (292)	9" (229)	32-5/8" (830)	3-3/4" (95)	4" (102)	4-7/16" (113)	6" (152)	155	3"	1"	1/2"
B7021	0,1	Combination Starter	23" (584)	14-1/2" (368)	9-1/8" (232)	7" (178)	21-3/8" (543)	2-1/8" (54)	2-1/2" (64)	2-11/16" (68)	3-7/16" (87)	78	1-1/2"	3/4"	1/2"
B7022	2	Combination Starter	25-1/2" (648)	14-1/2" (368)	9-1/8" (232)	7" (178)	23-7/8" (606)	2-1/8" (54)	2-1/2" (64)	2-11/16" (68)	3-7/16" (87)	88	1-1/2"	3/4"	1/2"
B7023	3	Combination Starter	27-1/4" (692)	17-7/8" (454)	11" (280)	10-3/8" (263)	25-5/8" (651)	3-1/2" (89)	3-1/2" (89)	4-3/16" (106)	5-1/2" (140)	143	2"	1"	1/2"
B7024	4	Combination Starter	34-1/4" (870)	21-1/2" (546)	11-7/8" (302)	14" (356)	32-5/8" (829)	4-3/4" (121)	5" (127)	4-9/16" (116)	6-3/16" (157)	235	3"	1"	1/2"

① *1/2" conduit openings may be used for drain and/or breather installation. Smaller conduit openings may be used by utilizing reducing bushings. Custom conduit sizes and locations are available upon request.*

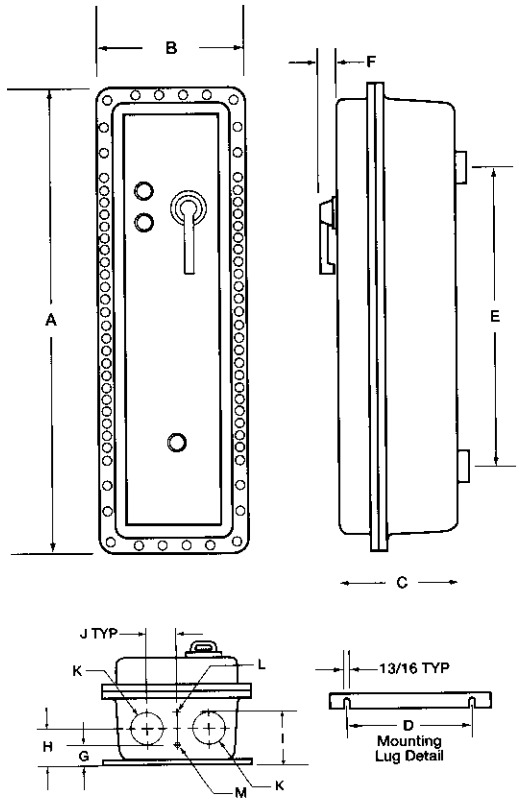
DIMENSIONS FOR SIZE 5 COMBINATION STARTER

DIMENSIONS										CONDUIT TOP & BTM. (NTP)			ENCL. WT. (LBS.)
A	B	C	D	E	F	G	H	I	J	K	L	M	
62-1/4" (1581)	20-1/4" (514)	15" (381)	18-1/2" (470)	43-1/2" (1105)	2-5/8" (67)	3-1/8" (79)	5-3/8" (137)	7-3/8" (187)	3-1/2 (89)	4" (102)	1/2" (13)	1" (25)	540

Dimensions B7 Size 0 Thru 4



Dimensions B7 Size 5



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B7 SERIES • CONTROLS
MOTOR STARTERS ACCESSORIES/CATALOG LOGIC

B7 MODIFICATIONS AND ACCESSORIES		
CATALOG NUMBER		DESCRIPTION
SIZE 0 THRU 4	SIZE 5	
B7DBP	B7EDBP	Double pushbutton (Start/Stop)
B7RPL	B7ERPL	Red pilot light 120 Volt
B7GPL	B7EGPL	Green pilot light 120 Volt
B7APL	B7EAPL	Amber pilot light 120 Volt
B7LPBR	B7ELPBR	Illuminated red pushbutton 120 Volt
B7LPBG	B7ELPBG	Illuminated green pushbutton 120 Volt
B7LPBA	B7ELPBA	Illuminated amber pushbutton 120 Volt
B7PLR220	B7PLR220	Pilot light resistor 220 Volt to 110 Volt
B7PLR440	B7PLR440	Pilot light resistor 440 Volt to 110 Volt
B7PLR550	B7PLR550	Pilot light resistor 550 Volt to 110 Volt
B72SS	B7ESS	2 position selector switch (On-Off)
B7SSHOA	B7ESSHOA	3 position selector switch (Hand-Off-Auto)
B7HAC	B75CAC	Cutler Hammer auxiliary contact (1NO/1NC)
B7SAC	B75SAC	Square D auxiliary contact (1NO/1NC)
B7TB	B7TB	Terminal block (6 Terminals)
—	B7IPR	Interposing relay 120 Volt coil
B7CT50	—	Control transformer 50VA (0,1,2)*
B7CT75	—	Control transformer 75VA (0,1,2)*

B7 MODIFICATIONS AND ACCESSORIES (CONTINUED)		
CATALOG NUMBER		DESCRIPTION
SIZE 0 THRU 4	SIZE 5	
B7CT100	—	Control transformer 100VA (0,1,2)*
B7CT150	—	Control transformer 150VA (0,1,2)*
B7CT200	—	Control transformer 200VA (3,4)*
B7CT250	—	Control transformer 250VA (3,4)*
—	B7CT300	Control transformer 300VA (5)*
—	B7CT500	Control transformer 500VA (5)*
KB1B	KB1B	Breather** (not CSA)
KB1D	KB1D	Drain** (not CSA)
KIT-251	KIT-251	Grounding kit
B7SF	B7SF	Special finish - Baked epoxy outside
B7DLO	B7DLO	Delete lock ""ON"" feature for breaker handle
B7SH251	B7SH251	Space heater 25 Watt 120 Volt
B7SH252	B7SH252	Space heater 25 Watt 240 Volt
B7SH254	B7SH254	Space heater 25 Watt 480 Volt
B7SH501	B7SH501	Space heater 50 Watt 120 Volt
B7SH502	B7SH502	Space heater 50 Watt 240 Volt
B7SH504	B7SH504	Space heater 50 Watt 480 Volt

** Control transformers are primary 240/480 - Secondary 120 Volt.*

** All control transformers include fused primary and secondary circuits.*

*** Installation of drains and breathers will void the NEMA4-4x ratings - voids Group B for CSA.*

Catalog Logic – B7 Enclosures with Controls

B7

Series Constant

Starter Type
01—Non-Combination (SSNR)
02—Combination (SSNR)

Starter Size
0
1
2
3
4

Starter Manufacturer
S—Square D
H—Cutler-Hammer (Freedom)

Starter Coil Voltage
A—100V-60HZ
B—120/110V-60/50HZ
C—120/240V=60/50HZ
D—208/220V-60HZ
E—208/220/480V-60HZ
F—220V-60HZ
G—240/220V-50/60HZ
H—240/480V-60HZ
J—440/380V-60/50HZ
K—480/440V-60/50HZ
L—550V-60HZ
M—600/550V-60/50HZ
N—600V-50HZ
V—Specify Voltage

Disconnect Means
A—Sq. D. FAL Mag Guard
B—Sq. D. KAL Mag Guard
C—Cutler-Hammer HMCP Motor C.R. Protector
D—Sq. D. FAL Thermal Magnetic
E—Sq. D. FHL Thermal Magnetic
F—Sq. D. FCL Thermal Magnetic
G—Sq. D. KAL Thermal Magnetic
H—Sq. D KHL Thermal Magnetic
J—Sq. D. KCL Thermal Magnetic
K—Cutler-Hammer EHD Thermal Magnetic
L—Cutler-Hammer FDB Thermal Magnetic
M—Cutler-Hammer FD Thermal Magnetic
N—Cutler-Hammer HFD Thermal Magnetic
P—Cutler-Hammer FDC Thermal Magnetic

Disconnect Current Rating
A—3 AMP
B—7 AMP
C—15 AMP
D—20 AMP
E—25 AMP
F—30 AMP
G—35 AMP
H—40 AMP
J—45 AMP
K—50 AMP
L—60 AMP
M—70 AMP
N—80 AMP
P—90 AMP
Q—100 AMP
R—110 AMP
S—125 AMP
T—150 AMP
U—175 AMP
V—200 AMP
W—225 AMP
X—250 AMP

This Catalog Logic Chart is for reference only and is to be used for selection of special voltage and amperage requirements. Consult Factory since not all assemblies are available with complete list of options displayed.

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Overload heaters are not supplied as part of the starter assemblies and are to be ordered as separate items by catalog number and priced accordingly.

Heaters should be selected on the basis of the actual full-load current and service factor as shown on the motor nameplate or in the manufacturer's published literature.

When motor and overload relay are in the same ambient and the service factor of the motor is 1.15 to 1.25, select heaters from the heater selection chart. If the service factor of the motor is 1.0, or there is no service factor shown, or a maximum of 115% protection is desired, select one size smaller heater than indicated.

When motor and overload relay are in different ambients, select heaters from the chart using adjusted motor currents as follows: decrease rated motor current 1% for each °C motor ambient exceeds controller ambient; increase rated motor current 1% for each °C controller ambient exceeds motor ambient.

SQUARE D 8536 SERIES STARTERS SSNR NEMA SIZES 0-1 THROUGH 5

CATALOG NUMBER	FULL-LOAD CURRENT (AMPS)
FOR SIZE 0-1	
KB044	0.28-0.30
KB051	0.31-0.34
KB057	0.35-0.37
KB063	0.38-0.44
KB071	0.45-0.53
KB081	0.54-0.59
KB092	0.60-0.64
KB103	0.65-0.72
KB116	0.73-0.80
KBI30	0.81-0.90
KBI45	0.91-1.03
KB167	1.04-1.14
KB188	1.15-1.27
KB210	1.28-1.43
KB240	1.44-1.62
KB265	1.63-1.77
KB330	1.78-1.97
KB300	1.98-2.32
KB370	2.33-2.51
KB415	2.52-2.99
KB485	3.00-3.42
KB550	3.43-3.75
KB625	3.76-3.98
KB690	3.99-4.48
KB770	4.49-4.93
KB820	4.94-5.21
KB910	5.22-5.84
KB102	5.85-6.67
KB115	6.68-7.54
KB128	7.55-8.14
KB014	8.15-8.72
KB155	8.73-9.66
KB175	9.67-10.5
KB195	10.6-11.3
KB022	11.4-12.0

CATALOG NUMBER	FULL-LOAD CURRENT (AMPS)
FOR SIZE 1	
KB022	11.4-12.7
KB025	12.8-14.1
KB280	14.2-15.9
KB032	16.0-17.5
KB036	17.6-1 9.7
KB040	19.8-21.9
KB045	22.0-24.4
KB050	24.5-26.0
FOR SIZE 2	
KB485	3.18-3.40
KB550	3.41-3.76
KB625	3.77-4.00
KB690	4.01-4.57
KB770	4.58-5.03
KB820	5.04-5.32
KB910	5.33-5.97
KB102	5.98-6.88
KB115	6.89-7.82
KB128	7.83-8.47
KB014	8.48-9.15
KB155	9.16-10.1
KB175	10.2-11.2
KB195	11.3-12.0
KB022	12.1-13.6
KB025	13.7-15.2
KB280	15.3-17.1
KB032	17.2-19.0
KB036	19.1-21.5
KB040	21.6-24.1
KB045	24.2-27.0
KB050	27.1-28.7
KB056	28.8-30.4
KB062	30.5-32.2
KB070	32.3-35.4
KB079	35.5-38.2
KB088	38.3-45.0

CATALOG NUMBER	FULL-LOAD CURRENT (AMPS)
FOR SIZE 3	
KCC209	13.6-14.5
KCC228	14.6-15.5
KCC246	15.6-17.4
KCC263	17.5-18.5
KCC288	18.6-19.9
KCC310	20.0-21.5
KCC333	21.6-22.9
KCC364	23.0-24.5
KCC396	24.6-26.3
KCC427	26.4-28.2
KCC466	28.3-30.0
KCC501	30.1-32.3
KCC545	32.4-34.9
KCC594	35.0-37.6
KCC643	37.7-40.0
KCC685	40.1-42.8
KCC749	42.9-45.3
KCC815	45.4-49.1
KCC877	49.2-53.4
KCC940	53.5-57.4
KCC103	57.5-61.3
KCC112	61.4-63.5.
KCC121	63.6-66.3
KCC132	66.4-69.0
KCC143	69.1-70.9
KCC156	71.0-73.7
KCC167	73.8-76.5
KCC180	76.6-78.4
KCC196	78.5-86.0

CATALOG NUMBER	FULL-LOAD CURRENT (AMPS)
FOR SIZE 4	
KCC643	41.1-43.5
KCC685	43.6-46.8
KCC746	46.9-50.0
KCC815	50.1-54.9
KCC877	55.0-57.5
KCC940	57.6-61.8
KCC103	61.9-66.2
KCC112	66.3-72.4
KCC121	72.5-78.1
KCC132	78.2-80.7
KCC143	80.8-86.5
KCC156	86.6-93.9
KCC167	94.0-100
KCC180	101.-112.
KCC196	113.-117.
KCC208	118.-123.
KCC219	124.-133.
FOR SIZE 5	
KDD112	82.5-88.2
KDD121	88.3-95.9
KDD128	96.0-102.
KDD140	103.-109.
KDD150	110.-121.
KDD160	122.-139.
KDD185	140.-154.
KDD220	155.-163.
KDD240	164.-175.
KDD250	176.-184.
KDD265	185.-195.
KDD280	196.-215.
KDD300	216.-224.
KDD320	225.-243.
KDD320	244.-266.

NOTE: Square D 8536 series starters SSNR ambient compensated 20°C to 60°C block type overload using 3 heaters. Three required for each starter.

CUTLER-HAMMER HEATER (EACH HEATER PACK CONSISTS OF 3 HEATERS)

CATALOG NUMBER	MOTOR FULL-LOAD AMPERE RATING DIAL POSITION			
	A	B	C	D
FOR SIZES 0-1				
KH2001B-3	.254	.306	.359	.411
KH2002B-3	.375	.452	.530	.607
KH2003B-3	.560	.676	.791	.907
KH2004B-3	.814	.983	1.15	1.32
KH2005B-3	1.20	1.45	1.71	1.96
KH2006B-3	1.79	2.16	2.53	2.90
KH2007B-3	2.15	2.60	3.04	3.49
KH2008B-3	3.23	3.90	4.56	5.23
KH2009B-3	4.55	5.50	6.45	7.40
KH2010B-3	6.75	8.17	9.58	11.0
KH2011B-3	9.14	10.8	12.4	14.0
KH2012B-3	14.0	16.9	19.9	22.8
KH2013B-3	18.7	22.7	26.7	30.7
KH2014B-3	23.5	28.5	33.5	38.5

CATALOG NUMBER	MOTOR FULL-LOAD AMPERE RATING DIAL POSITION			
	A	B	C	D
FOR SIZE 2				
KH2015B-3	29.0	34.0	39.1	44.1
KH2016B-3	39.6	45.5	51.5	57.4
KH2017B-3	53.9	60.9	67.9	74.9
FOR SIZES 3-4				
KH2018-3	18.0	20.2	22.3	24.5
KH2019-3	24.6	27.6	30.5	33.4
KH2020-3	33.5	37.5	41.5	45.6
KH2021-3	45.7	51.2	56.7	62.1
KH2022-3	62.2	69.7	77.1	84.6
KH2023-3	84.7	95.0	105.0	115.0
KH2024-3	106.0	118.0	131.0	144.0
FOR SIZE 5				
KH2004B-3	49	59	69	79
KH2005B-3	72	87	103	118
KH2006B-3	107	130	152	174
KH2007B-3	129	156	182	209
KH2008B-3	194	234	274	---

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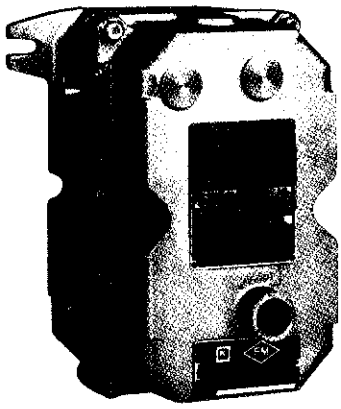
Y7 SERIES • CONTROLS
MOTOR STARTERS-MAGNETIC LINE STARTERS



Y7011ZH

Class I, Div. 1 & 2, Groups C,D
Class 1, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

Certified - File LR11714

Contact Killark for FM file numbers.

See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Hazardous areas due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants, storage areas and other processing facilities where hazardous substances are handled or stored
- Full-voltage, across-the-line starting and stopping of polyphase AC squirrel cage induction motors or as the primary starter for wound rotor motors
- Provides running and undervoltage protection of motor
- Remote starting and stopping of motor

Features

- Rectangular bolted cover design provides for attractive, compact, uniform installations
- Ground flange joint between box and cover provides required flame path
- Two drilled and tapped power conduit openings, one top and one bottom are standard on all assemblies.
- One 3/4"-14 NPT drilled, tapped and plugged conduit opening is provided in bottom for remote control
- Two 3/4"-14 NPSM drilled, tapped, and plugged openings in cover are provided for addition of local control operator
- External reset button and stainless steel cover bolts are standard
- Hinges are either stainless steel or aluminum and are mounted on the left side of all assemblies
- Enclosure is cast copper-free aluminum alloy
- Available for Cutler-Hammer AN16 Freedom or Square D 8536 starters

Overload Heaters

Heaters not included. See page C67 for heater selection

Dimensions

See page C70 for dimensional data

Modifications

See page C70

Y7 MAGNETIC LINE STARTER (ENCLOSURES WITHOUT SPACE FOR CONTROL TRANSFORMER)

NEMA STARTER SIZE	MOTOR VOLTS	COIL VOLTS	MAXIMUM HP	CATALOG NUMBER	
				CUTLER-HAMMER SERIES AN16	SQUARE D SERIES 8536
0	Sep Control	120	—	Y7010BH	Y7010BS
0	230	240	3	Y7010DH	Y7010DS
0	440-460	480	5	Y7010KH	Y7010KS
1	Sep Control	120	—	Y7011BH	Y7011BS
1	230	240	7-1/2	Y7011DH	Y7011DS
1	440-460	480	10	Y7011KH	Y7011KS
2	Sep Control	120	—	Y7012BH	Y7012BS
2	230	240	15	Y7012DH	Y7012DS
2	440-460	480	25	Y7012KH	Y7012KS
0	Enclosure only No interior			Y7010ZH	Y7010ZS
1	Enclosure only No interior			Y7011ZH	Y7011ZS
2	Enclosure only No interior			Y7012ZH	Y7012ZS

Y7 MAGNETIC LINE STARTER (ENCLOSURES WITH SPACE FOR CONTROL TRANSFORMER)

NEMA STARTER SIZE	MOTOR VOLTS	COIL VOLTS	MAXIMUM HP	CATALOG NUMBER	
				CUTLER-HAMMER SERIES AN16	SQUARE D SERIES 8536
0	230//460	120	3//5	Y7000BH	Y7000BS
1	230//460	120	7 1/2//10	Y7001BH	Y7001BS
2	230//460	120	15//25	Y7002BH	Y7002BS
0	Enclosure only No interior			Y7000ZH	Y7000ZS
1	Enclosure only No interior			Y7001ZH	Y7001ZS
2	Enclosure only No interior			Y7002ZH	Y7002ZS

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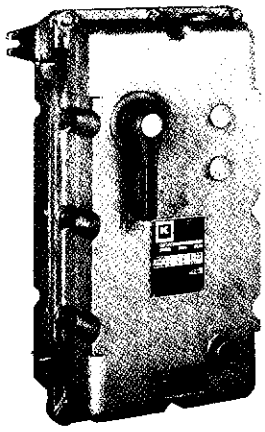


Y7021ZHAZ

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)

Certified - File LR11714

Contact Killark for FM file numbers.
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Hazardous areas due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Full-voltage, across-the-line starting and stopping of polyphase AC squirrel cage induction motors or as the primary starter for wound rotor motors
- Provides running and undervoltage protection of motor
- Motor branch circuit disconnect and short circuit protection

Features

- Rectangular bolted cover design provides for attractive, compact, uniform installations
- Two 3/4"-14 NPSM drilled, tapped, and plugged openings are provided for addition of local operators
- Two drilled, tapped and plugged openings, one top and one bottom are supplied for installation of drain and breather
- Hinges are either stainless steel or aluminum and are mounted on the left side of all assemblies
- Circuit breaker handle mechanism interlocks with circuit breaker to prevent opening of enclosure when circuit is in the "ON" position
- External handle is vault type with standard provisions for locking in the "OFF" position with up to three padlocks
- Circuit breaker is trip free of handle mechanism

Modifications

Modifications are available.
See page C70.

Dimensions

For dimensional data, see page C70.

Overload Heaters

Heaters are not included.
See page C67 for heater selection.

Y7 COMBINATION MAGNETIC LINE STARTER

NEMA STARTER SIZE	MOTOR VOLTS	COIL VOLTS	MAXIMUM HP	DISCONNECT TRIP AMPS	CATALOG NUMBER	
					CUTLER-HAMMER SERIES AN16	SQUARE D SERIES 8536
0	Sep Control	120	-	3	Y7020BHVV	Y7020BSVV
0	Sep Control	120	-	7	Y7020BHVX	Y7020BSVX
0	Sep Control	120	-	15	Y7020BHVA	Y7020BSVA
0	230	240	1	7	Y7020DHVX	Y7020DSVX
0	230	240	3	15	Y7020DHVA	Y7020DSVA
0	460	480	1	3	Y7020KHVV	Y7020KSVV
0	460	480	2	7	Y7020KHVX	Y7020KSVX
1	Sep Control	120	-	15	Y7021BHVA	Y7021BSVA
1	Sep Control	120	-	30	Y7021BHVC	Y7021BSVC
1	230	240	7-1/2	30	Y7021DHVC	Y7021DSVC
1	460	480	10	30	Y7021KHVC	Y7021KSVC
2	Sep Control	120	-	50	Y7022BHVE	Y7022BSVE
2	Sep Control	120	-	70	Y7022BHVG	Y7022BSVG
2	230	240	15	50	Y7022DHVE	Y7022DSVE
2	230	240	15	70	Y7022DHVG	Y7022DSVG
2	460	480	25	50	Y7022KHVE	Y7022KSVE
0	Enclosure only. No Interior				Y7020ZHVZ	Y7020ZSVZ
1	Enclosure only. No Interior				Y7021ZHVZ	Y7021ZSVZ
2	Enclosure only. No Interior				Y7022ZHVZ	Y7022ZSVZ

C

Combination Starter Modifications
Modifications are available by ordering the following by catalog number as separate items and noting on the order that they are to be assembled into the enclosure.

FEATURES-SPECIFICATIONS

Y7 MAGNETIC LINE STARTERS DIMENSIONS

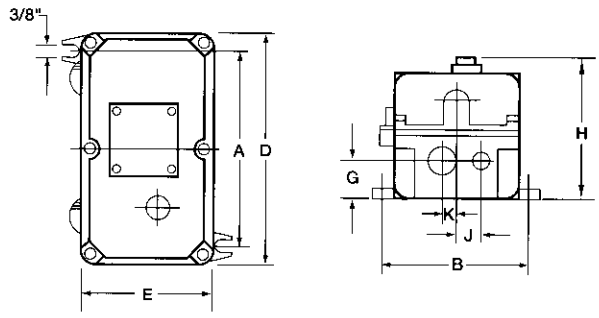
NEMA SIZE	A	B	D	E	G	H	J	K	CONDUIT SIZE	
									POWER	CONTROL
0-1①	7-3/4"(197)	7-1/4"(184)	10"(254)	6"(152)	2"(51)	7-5/8"(194)	1-1/8"(28)	3/4"(19)	1-1/2"	3/4"
2①	9"(228)	7-3/4"(197)	11-1/4"(286)	6-1/2"(165)	2"(51)	7-5/8"(194)	1-1/8"(28)	7/8"(22)	1-1/2"	3/4"
0-1②	8-3/4"(222)	11-1/8"(282)	12-1/2"(317)	10-1/2"(267)	2"(51)	8-1/4"(209)	2-3/8"(60)	2-3/8"(60)	1-1/2"	3/4"
2②	8-3/4"(222)	11-1/8"(282)	12-1/2"(317)	10-1/2"(267)	2"(51)	8-1/4"(209)	2-3/8"(60)	2-3/8"(60)	1-1/2"	3/4"

①Without space for control transformer. ②With space for control transformer.

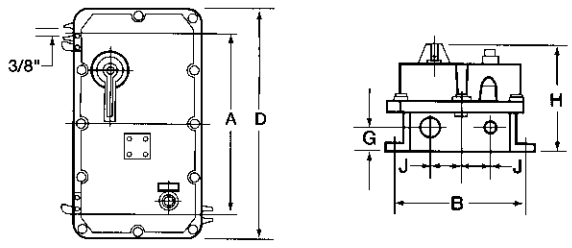
Y7 COMBINATION STARTERS DIMENSIONS

NEMA SIZE	A	B	D	E	G	H	J	CONDUIT SIZE	
								POWER	CONTROL
0-1	16-1/4"(413)	11-1/8"(282)	20"(508)	10-1/2"(267)	2"(51)	9"(228)	2-3/8"(60)	1-1/2"	3/4"
2	16-1/4"(413)	11-1/8"(282)	20"(508)	10-1/2"(267)	2"(51)	9"(228)	2-3/8"(60)	1-1/2"	3/4"

Dimensions



Magnetic Line Starters
Sizes 0, 1, 2



Combination Starters
Sizes 0, 1, 2

Y7 MODIFICATIONS AND ACCESSORIES

CATALOG NUMBER	DESCRIPTION
GO22-GR12D	Double pushbutton (Start/Stop)
GOB3-R23C N34	Red pilot light 120 Volt
GOB3-G23C N34	Green pilot light 120 Volt
GOB3-A23C N34	Amber pilot light 120 Volt
B7PLR220	Pilot light resistor 220 Volt to 120 Volt
B7PLR440	Pilot light resistor 440 Volt to 120 Volt
B7PLR550	Pilot light resistor 550 Volt to 120 Volt
GO25-2A3F	2 position selector switch (On/Off)
GO25-3C3G	3 position selector switch (Hand/Off/Auto)
B7HAC	Cutler-Hammer auxiliary contact (1NO/1NC)
B7SAC	Square D auxiliary contact (1NO/1NC)
B7CT50	Control transformer 50VA*
B7CT75	Control transformer 75VA*
B7CT100	Control transformer 100VA*
KDB-1	Breather
KDB-1	Drain
KIT-251	Grounding kit

** Control transformers are primary 240/480 - Secondary 120 Volt.*
** All control transformers include fused primary and secondary circuits.*

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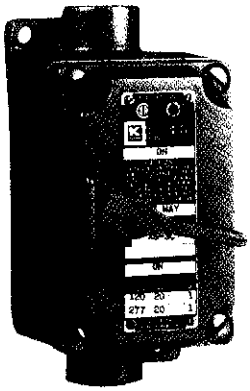
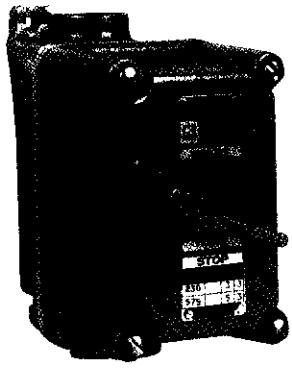


XSD, XSX, Series
Non Factory Sealed



FXSD, FXSX Series
Factory Sealed

Class I, Div. 1 & 2, Groups C,D
Class 1, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 7(C,D) 9(E,F,G)
NEMA 3 (Factory sealed type)

Listed - File E53360 and/or E12379
Certified - File LR11714
FM – File 25219
See files for details or call Killark.

FEATURES-SPECIFICATIONS

Applications

- Provides manual starting and stopping of small AC or DC motors
- Motor running protection when overload heaters are used
- XSX/FXSX Series (without overload protection) are ideally suited for across-the-line applications where a positive disconnect means is required

Features

- FXSX-FXSD Series require no external seals (factory sealed) and are NEMA 3 (raintight) rated
- Enclosures are cast copper-free aluminum alloy
- Operating shaft is stainless steel coupled with a dichromate over cadmium plated steel trip arm to provide maximum strength and corrosion resistance
- Multiple gang assemblies available in combination with pilot lights, push-buttons and switches on request
- Ground flange joint between bolted cover and box provide required flame path
- Provisions for padlocking switch in either "ON" or "OFF" position is standard

Dimensions

For dimensional data, see page C72.

XSD/FXSD SERIES WITH OVERLOAD PROTECTION①

Non-Factory Sealed:
Square D, Class 2510, Type F
1-Pole, 1HP, 115-230 VAC
2-Pole, 1HP, 115-230 VAC
3/4 HP, 115-230 VAC

XSD SINGLE GANG

CATALOG NUMBER		HUB STYLE	HUB SIZE
1-POLE SINGLE PHASE	2-POLE SINGLE PHASE		
XSD-11	XSD-12	Dead end	1/2"
XSD-21	XSD-22		3/4"
XSD-41	XSD-42	Feed thru	1/2"
XSD-51	XSD-52		3/4"
XSD-01	XSD-02	Cover and Switch assembly	

Factory Sealed:
Square D, Class 2510, Type F
1-Pole, 1HP, 115-230 VAC
2-Pole, 1HP, 115-230 VAC
3/4 HP, 115-230 VAC

FXSD SINGLE GANG

CATALOG NUMBER		HUB STYLE	HUB SIZE
1-POLE SINGLE PHASE	2-POLE SINGLE PHASE		
FXSD11	FXSD12	Dead end	1/2"
FXSD21	FXSD22		3/4"
FXSD41	FXSD42	Feed thru	1/2"
FXSD51	FXSD52		3/4"
FXSD01	FXSD02	Cover and Switch assembly	

① *Order heaters separately on page C71.*

XSX/FXSX SERIES WITHOUT OVERLOAD PROTECTION

Non-Factory Sealed:
Square D, Class 2510, Type K
2-Pole, 2 HP, 115 VAC
2 HP, 200-230 VAC
3 HP, 460-575 VAC
3-Pole, 2 HP, 115 VAC
7-1/2 HP, 200-230 VAC
10 HP, 460-575 VAC

XSX SINGLE GANG

CATALOG NUMBER		HUB STYLE	HUB SIZE
2-POLE 30A., 250V 20A., 600V 1-PHASE	3-POLE 30A., 250V 20A., 600V 3-PHASE		
XSX-12	XSX-13	Dead end	1/2"
XSX-22	XSX-23		3/4"
XSX-42	XSX-43	Feed thru	1/2"
XSX-52	XSX-53		3/4"
XSX-2	XSX-3	Cover and Switch assembly	

Factory Sealed:
Square D, Class 2510, Type K
2-Pole, 2 HP, 115 VAC
2 HP, 200-230 VAC
3 HP, 460-575 VAC
3-Pole, 2 HP, 115 VAC
7-1/2 HP, 200-230 VAC
10 HP, 460-575 VAC

FXSX SINGLE GANG

CATALOG NUMBER		HUB STYLE	HUB SIZE
2-POLE 30A., 250V 20A., 600V 1-PHASE	3-POLE 30A., 250V 20A., 600V 3-PHASE		
FXSX12	FXSX13	Dead end	1/2"
FXSX22	FXSX23		3/4"
FXSX42	FXSX43	Feed thru	1/2"
FXSX52	FXSX53		3/4"
FXSX02	FXSX03	Cover and Switch assembly	

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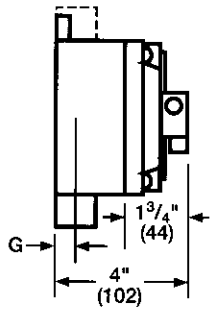
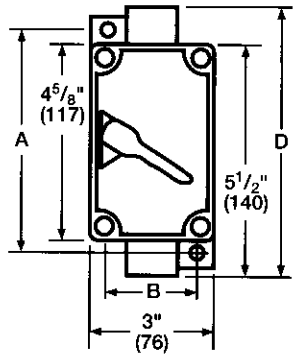
HEATER TABLE①		
CATALOG NUMBER	FULL-LOAD MOTOR CURRENT	SQUARE D HEATER CATALOG NUMBER
YOSD-A.49	0.41-0.44	A.49
YOSD-A.54	0.45-0.49	A.54
YOSD-A.59	0.50-0.53	A.59
YOSD-A.65	0.54-0.58	A.65
YOSD-A.71	0.59-0.65	A.71
YOSD-A.78	0.66-0.71	A.78
YOSD-A.86	0.72-0.78	A.86
YOSD-A.95	0.79-0.85	A.95
YOSD-A1.02	0.86-0.96	A1.02
YOSD-A1.16	0.97-1.04	A1.16
YOSD-A1.25	1.05-1.16	A1.25
YOSD-A1.39	1.17-1.29	A1.39
YOSD-A1.54	1.30-1.37	A1.54
YOSD-A1.63	1.38-1.47	A1.63
YOSD-A1.75	1.48-1.56	A1.75
YOSD-A1.86	1.57-1.65	A1.86
YOSD-A1.99	1.66-1.79	A1.99
YOSD-A2.15	1.80-1.95	A2.15
YOSD-A2.31	1.96-2.15	A2.31
YOSD-A2.57	2.16-2.38	A2.57
YOSD-A2.81	2.39-2.75	A2.81
YOSD-A3.61	2.76-2.84	A3.61
YOSD-A3.95	2.85-3.06	A3.95
YOSD-A4.32	3.07-3.45	A4.32
YOSD-A4.79	3.46-3.70	A4.79
YOSD-A5.30	3.71-4.07	A5.30
YOSD-A5.78	4.08-4.32	A5.78
YOSD-A6.20	4.33-4.90	A6.20
YOSD-A6.99	4.91-5.35	A6.99
YOSD-A7.65	5.36-5.85	A7.65
YOSD-A8.38	5.86-6.41	A8.38
YOSD-A9.25	6.42-6.79	A9.25
YOSD-A9.85	6.80-7.57	A9.85
YOSD-A11.0	7.58-8.15	A11.0
YOSD-A11.9	8.16-8.98	A11.9
YOSD-A13.2	8.99-9.67	A13.2
YOSD-A14.1	9.68-9.95	A14.1
YOSD-A14.8	9.96-10.8	A14.8
YOSD-A16.2	10.9-12.1	A16.2
YOSD-A17.9	12.2-13.1	A17.9
YOSD-A19.8	13.2-13.9	A19.8
YOSD-A21.3	14.0-15.0	A21.3
YOSD-A25.2	15.1-16.0	A25.2

① *Overload heaters are not supplied as part of the starter assemblies and need to be ordered as separate items by catalog number and priced accordingly.*

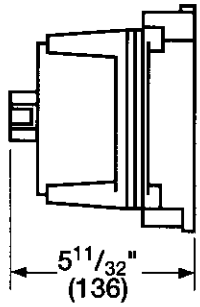
FEATURES-SPECIFICATIONS

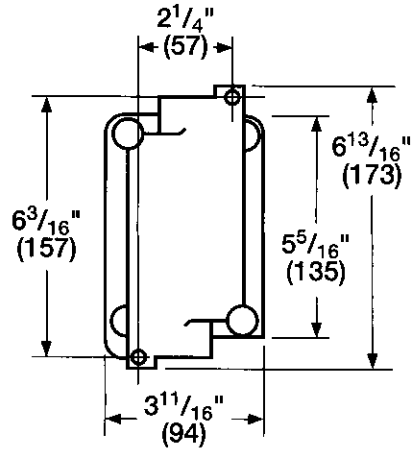
XSD/XSX NON-FACTORY SEALED DIMENSIONS					
BOX STYLE	HUB SIZE	A	B	D	G
Single gang dead-end	1/2"	5-1/4"(133)	2-1/4"(57)	—	11/16"(17)
	3/4"	5-1/4"(133)	2-1/4"(57)	—	11/16"(17)
	1"	5-3/8"(136)	2-3/8"(60)	—	7/8"(22)
Single gang feed-thru	1/2"	5-1/4"(133)	2-1/4"(57)	6"(152)	11/16"(17)
	3/4"	5-1/4"(133)	2-1/4"(57)	6"(152)	11/16"(17)
	1"	5-3/8"(136)	2-3/8"(60)	6"(152)	7/8"(22)





FACTORY SEALED (FXSD/FXSX)





HUBBELL
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WESTINGHOUSE B100 STARTERS FULL VOLTAGE, NON-REVERSING SINGLE AND POLYPHASE

Applications

XMSW Series, non-reversing, manual line voltage starters and enclosures are suitable for use in applications requiring manual across-the-line starting and stopping of small single and polyphase AC motors, and where overload protection is needed. Manual starters are generally used on small machine tools, fans and blowers, pumps, compressors, and conveyors as well as many other types of electrical machinery.

Features

- Rectangular bolted cover design provides for attractive, compact, uniform installations
- Enclosure and external handle are diecast copper-free (less than 0.4%) aluminum alloy
- Cast "ON," "OFF," "TRIPPED" markings on cover align with external handle and provide clear indication of enclosed starter condition
- External handle is a vault type with standard provisions for locking in the "OFF" position with up to three padlocks. Provision for locking in "ON" position is available as factory modification (add suffix SU-40 to catalog number).
- Two cast 1" NPT conduit hubs with integral pipe stop, one top and one bottom, are standard on all assemblies

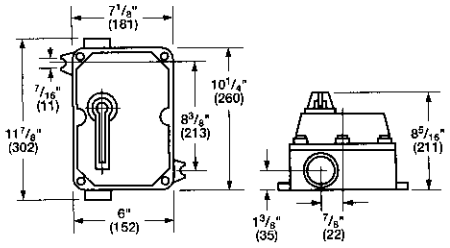
Electrical Rating

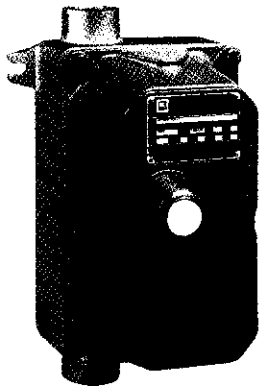
Starter sizes 0, 1, 11/2

Two pole, single phase; three pole, polyphase

Maximum 10 HP, 600 Volts AC

Dimensions





Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3R, 7(C,D) 9(E,F,G)

UL Listed - File E12379
See files for details or call Killark.

FEATURES-SPECIFICATIONS

XMSW MANUAL LINE STARTERS①②

NEMA SIZE	NUMBER OF POLE SIZE	MAXIMUM HORSEPOWER			CATALOG NUMBER	
		120 VAC	208-240 VAC	480-600 VAC	WITH STARTER	ENCLOSURE ONLY
0	2-POLE; 1Ø, A C	1	2	—	XMSW-0BT	XMSW-00T
0	3-POLE; 3Ø, A C	2	3	5	XMSW-0CT	
1	2-POLE; 1Ø, A C	2	3	—	XMSW-1BT	
1	3-POLE; 3Ø, A C	3	7-1/2	10	XMSW-1CT	
1-1/2	2-POLE; 1Ø, A C	3	5	—	XMSW-DBT	

① *Heaters not included. If heaters are required order as separate item by catalog number, three phase starters require three heaters. Single phase starters require two heaters.*
② *Three pole starters may be used on two-phase four-wire circuits by running one wire direct to motor.*

HEATER TABLE FOR XMSW SERIES MANUAL LINE STARTERS①

CATALOG NUMBER	MOTOR FULL-LOAD AMPS @ 40°C		WESTINGHOUSE CODEMARK
	SINGLE PHASE	THREE PHASE	
YOWEA200-FH03	.28-.29	.25-.26	FH03
YOWEA200-FH04	.30-.33	.27-.29	FH04
YOWEA200-FH05	.34-.36	.30 .32	FH05
YOWEA200-FH06	.37-.40	.33-.35	FH07
YOWEA200-FH07	.41-.45	.36-.39-	FH07
YOWEA200-FH08	.46-.50	.40-.44	FH08
YOWEA200-FH09	.51-.56	.45-.49	FH09
YOWEA200-FH10	.57-.63	.50-.55	FH10
YOWEA200-FH11	.64-.70	.56-.61	FH11
YOWEA200-FH12	.71-.78	.62-.68	FH12
YOWEA200-FH13	.79-.86	.69-.75	FH13
YOWEA200-FH14	.87-.95	.76-.83	FH14
YOWEA200-FH15	.96-1.04	.84-.91	FH15
YOWEA200-FH16	1.05-1.14	.92-1.00	FH16
YOWEA200-FH17	1.15-1.25	1.01-1.10	FH17
YOWEA200-FH18	1.26-1.39	1.11-1.22	FH18
YOWEA200-FH19	1.40-1.54	1.23-1.35	FH19
YOWEA200-FH20	1.55-1.71	1.36-1.50	FH20
YOWEA200-FH21	1.72-1.89	1.51-1.66	FH21
YOWEA200-FH22	1.90-2.10	1.67-1.84	FH22
YOWEA200-FH23	2.11-2.32	1.85-2.03	FH23
YOWEA200-FH24	2.33-2.54	2.04-2.23	FH24
YOWEA200-FH25	2.55-2.79	2.24-2.45	FH25
YOWEA200-FH26	2.80-3.07	2.46-2.69	FH26
YOWEA200-FH27	3.08-3.36	2.70-2.95	FH27
YOWEA200-FH28	3.37-3.68	2.96-3.23	FH28
YOWEA200-FH29	3.69-4.03	3.24-3.53	FH29

CATALOG NUMBER	MOTOR FULL-LOAD AMPS @ 40°C		WESTINGHOUSE CODEMARK
	SINGLE PHASE	THREE PHASE	
YOWEA200-FH30	4.04-4.40	3.54-3.86	FH30
YOWEA200-FH31	4.41-4.81	3.87-4.22	FH31
YOWEA200-FH32	4.82 -5.26	4.23 -4.61	FH32
YOWEA200-FH33	5.27-5.74	4.62-5.03	FH33
YOWEA200-FH34	5.75-6.25	5.04-5.49	FH34
YOWEA200-FH35	6.27-6.83	5.50-5.99	FH35
YOWEA200-FH36	6.84-7.45	6.00-6.53	FH36
YOWEA200-FH37	7.46-8.11	6.54-7.11	FH37
YOWEA200-FH38	8.12 -8.81	7.12 -7.73	FH38
YOWEA200-FH39	8.82-9.58	7.74-8.40	FH39
YOWEA200-FH40	9.59-10.40	8.41-9.12	FH40
YOWEA200-FH41	10.41-11.3	9.13-9.89	FH41
YOWEA200-FH42	11.4-12.2	9.9-10.7	FH42
YOWEA200-FH43	12.3-13.5	10.8-11.8	FH43
YOWEA200-FH44	13.6-14.9	11.9-13.0	FH44
YOWEA200-FH45	15.0-16.0	13.1-14.0	FH45
YOWEA200-FH46	16.1-17.1	14.1-15.0	FH46
YOWEA200-FH47	17.2-18.3	15.1-16.1	FH47
YOWEA200-FH48	18.4-19.7	16.2-17.3	FH48
YOWEA200-FH49	19.8-21.2	17.4-18.6	FH49
YOWEA200-FH50	21.3-22.8	18.7-20.0	FH50
YOWEA200-FH51	22.9-24.5	20.1-21.5	FH51
YOWEA200-FH52	24.6-26.4	21.6-23.2	FH52
YOWEA200-FH53	26.5-28.5	23.2-25.0	FH53
YOWEA200-FH54	28.6-30.8	25.1-26.8	FH54
YOWEA200-FH55	30.9-33.3	— —	FH55
YOWEA200-FH56	33.4-36.0	— —	FH56
YOWEA200-FH57	36.1-38.9	— —	FH57

① *Select heater element based on motor nameplate listed. Full-load amps. Trip rating of element is 125% of motor minimum F.L.A. listed for the element.*

HUBBELL
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C

General Suitability — See catalog pages for details

PRODUCT	PAGE NO.	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
INCANDESCENT FIXTURES												
NV Series Corrosion Resistant	2-4	X	X									
V Series Standard Location	5-8	X										
Class 1, D2; NEMA 4	9-10	X	X	X								
Accessories	11-12											
DO & DV Series DO Midget	14	X										
DV Dust Ignition Proof	14						X					
EMI Series Hazardous Location NEMA 4X Groups C,D 60-300 Watt Incandescent	70-74	X	X				X		X			
H Series Hazardous Location Groups C,D 500 Watt Incandescent	15						X		X			
E Series Hazardous Location Groups A,B 200-300 Watt Incandescent	16						X		X	X		
XHL Series Hazardous Location Handlamps 100 Watt Incandescent	16								X			

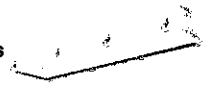
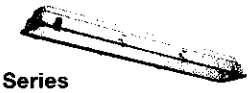
General Suitability — See catalog pages for details

PRODUCT	PAGE NO.	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
COMPACT FLUORESCENT												
NVQ Series Corrosion Resistant, 18 Watt Quad-Pin	2-4	X	X	X								
MBF Series 13-39 Watt for Standard & Certain Hazardous Locations	17-18	X	X	X	X		X					
Accessories	24-25											
VBF/VQF Series 26-84 Watt for Standard & Certain Hazardous Locations	34-35	X	X	X			X					
EBF/EQF Series 13-42 Watt for Hazardous Location	70-71	X	X				X		X			
XHLF Series Hazardous Location Handlamps 26 Watt Fluorescent	16						X		X			

General Suitability — See catalog pages for details

PRODUCT	PAGE	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
HID FIXTURES												
MB Series												
Medium Base HID	17-21	X	X	X			X					
Ex nR version	22-23	X	X	X	X		X					
Accessories	24-25											
Temperature Data	26											
Photometrics	27-33											
VM Series												
Mogul Base HID	36-48	X	X	X			X					
Ex nR version	49-52	X	X	X	X		X					
Accessories	53-57											
Temperature Data	58-60											
Photometrics	61-69											
EM Series												
Medium Base HID	70, 72	X	X				X		X			
Accessories	73-74											
Temperature Data	77-78											
Photometrics	79-88											
EZ Series												
Mogul Base HID	89-93	X	X				X		X			
Accessories	94-96											
Temperature Data	98-99											
Photometrics	100-105											

General Suitability — See catalog pages for details

PRODUCT	PAGE	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
LINEAR FLUORESCENT												
												
DBF Series												
Fluorescent Class I, D2	106	X	X	X				X				
												
SSHZ Series												
Fluorescent Stainless Steel	107	X	X	X								
HFX Series												
Hazardous Location Paint Spray Suitable	108-110	X	X				X		X			
NWL Series												
LinearLite Non-Metallic Wet Location	114-115	X										
NHL Series												
LinearLite Non-Metallic Wet Location, Class I, D2	114-115	X		X								
LLN2 Series												
Zone 2 LinearLite	116	X	X	X			X					
LLN1 Series												
Zone 1 LinearLite	117	X	X	X		X	X					
LLC Series												
Task or Exit fixture	118	X	X	X			X					
LLN/LLI Series												
Accessories	119											

L

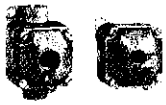
General Suitability — See catalog pages for details

PRODUCT	PAGE NO.	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
FLOODLIGHTS & WALL MOUNT FIXTURES												
KWP Series Wallpack for Class I, D2 & N4	126	X	X	X								
QL/QM Quartz Floods	120-121	X										
KF Series Floods Aluminum Class I, D2 Marine N4 150 to **1000 Watt**	122-123	X	X	X								
KF-SS MariGard **Stainless** Class I, D2 Marine N4 150-400 Watt	124-125	X	X	X	X							
EM/DM Portable Floods	127	X	X				X		X			
EZ-T Trunnion	128-129	X	X						X			
CANOPY LIGHTING **PETROBRIGHT**	130-131	X										
EMERGENCY SIGNALING STROBE LIGHTING												
GSH Strobe Class I, D2	142	X		X				X				
ESX Strobe Class I, D1	140-141	X	X				X		X			

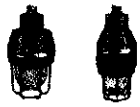
General Suitability — See catalog pages for details

PRODUCT	PAGE NO.	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
EMERGENCY LIGHTING BATTERY-BACKED												
DEB Class II, D1	132-133	X	X				X					
Exit Accessory	133											
VEB/VEQ Class I, D2/N4 Class II/N4	134-135	X	X	X			X					
Exit Accessory	135											
EEQ Class I, D1	136	X	X				X		X			
Exit Accessory	74											
DBFE Linear Fluorescent Class I, D2/N4	137	X	X	X								
EBB Class I, D1/N3 Halogen Lamps	138-139	X					X		X			
BATTERY OPTION FLUORESCENT												
NWL Series	114-115	X										
NHL Series	114-115	X		X								
LLN2 Series	116	X	X	X			X					
LLN1 Series	117	X	X	X		X	X					
LLI2 Series	160	X	X								X	
LLI1 Series	161	X	X									X

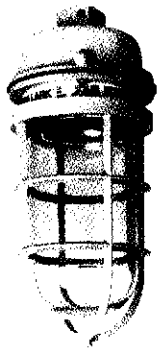
General Suitability — See catalog pages for details

PRODUCT	PAGE NO.	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
FITTINGS & ADAPTERS												
FKA & FHC	143	X										
HOOK/LOOP	143	X										
FH HOOK	144	X										
V Series Fixture Hangers	144	X										
HXB & XFH	145	X					X		X			
EKJ Series Flexible Couplings	145	X					X		X	X		
 **JL & JAL**	146	X					X		X			
ENY-2SET Pendant Seals	146	X					X		X	X		
VMCHVM Adapter	147	X	X	X	X		X					
EAC Adapters	148	X	X				X		X			

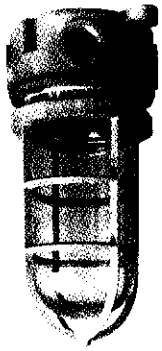
General Suitability — See catalog pages for details

PRODUCT	PAGE NO.	Wet / Damp Location	NEMA 4 (or 4X, or IP6x)	Class I, Div. 2 / Zone 2	Class I, Zone 2 Ex nR (option)	Class I, Div. 2 / Zone I	Class II / III Div. 1	Class II / III Div. 2	Class I, Div. 1 C,D / Zone I	Class I, Div. 1 A,B,C,D / Zone I	CENELEC Zone 2	CENELEC Zone 1
CENELEC-EUROPEAN RATED FIXTURES												
Eclipse Jr. E27 Socket HID	149	X	X								X	
 **EM CEN** E26 Socket HID/Incandescent Compact Fluorescent	150-152	X	X				X		X			X
EZ CEN E39 Socket HID	153-156	X	X				X		X			X
Micronex/Maxinex Aluminum E40 Socket HID	157	X	X								X	
800N Series Stainless E40 Socket HID	158	X	X								X	
Evolution Zone 1 Flood E40 Socket	159	X	X									X
LLI2 Zone 2 LinearLite	160	X	X								X	
LLI1 Zone 1 LinearLite	161	X	X									X

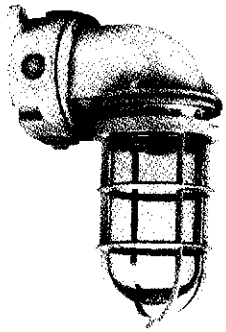
L



Pendant



Ceiling



Wall Mount

NEMA 3, 4X

UL Listed - Files E227731 and E91793

FEATURES-SPECIFICATIONS

Applications

Designed specifically for corrosive environments.

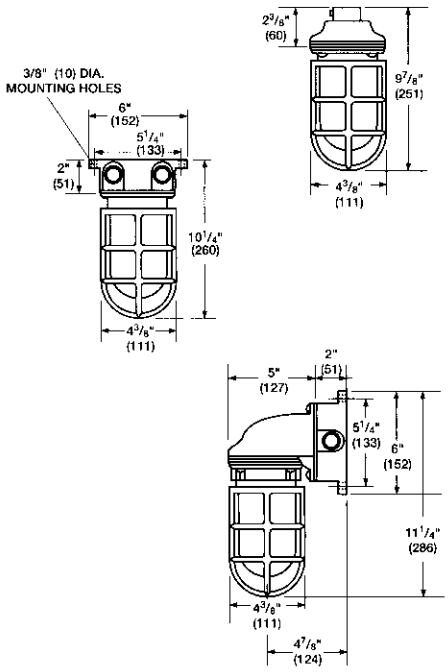
Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, agricultural, commercial/industrial, mining and marine facilities.

Features

- Series NV non-metallic light fixtures combine an outstanding balance of strength, stiffness, toughness and electrical properties
- Molded from 30% glass-filled thermoplastic polyester for high strength
- Resists corrosive effects of most chemicals, hydrocarbons and solvents
- Designed for indoor and outdoor applications. Molded threads will not "freeze"—components are easy to remove, even after long exposure to corrosive environments.
- Accepts up to 150 watt, size A-21 lamp
- Compact size

Compliances

- UL-1571 standard
- UL Marine type fixtures
- Suitable for wet locations
- NEMA 3, 4X
- Material meets U.L. 94-V-O standards for flame retardancy



PENDANT NON-METALLIC INCANDESCENT ①③

FIXTURE TYPE	LAMP	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	GLOBE*	GUARD
Clear globe	150 A	3/4"	**NVA15GG**	NVA	NVFC	VCG-100	NVG
Heat resistant	150 A	3/4"	**NVA15GHG**	NVA	NVFC	VCGP-100	NVG

CEILING NON-METALLIC INCANDESCENT ①③

FIXTURE TYPE	LAMP	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	GLOBE*	GUARD
Clear globe	150 A	3/4"	**NVX15GG**	NVX	NVFC	VCG-100	NVG
Heat resistant	150 A	3/4"	**NVX15GHG**	NVX	NVFC	VCGP-100	NVG

WALL MOUNT NON-METALLIC INCANDESCENT ①②③

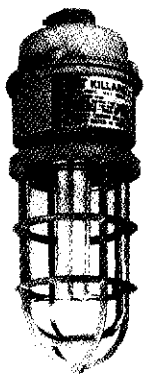
FIXTURE TYPE	LAMP	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	GLOBE*	GUARD
Clear globe	150 A	3/4"	**NVB15GG**	NVX+NVB	NVFC	VCG-100	NVG
Heat resistant	150 A	3/4"	**NVB15GHG**	NVX+NVB	NVFC	VCGP-100	NVG

① *Maximum 150 watt lamp type A. Suitable for wet and damp locations when supplied with heat resistant glass globes. Suitable for marine applications with maximum 100 watt lamp. Fixtures are unit packed.*

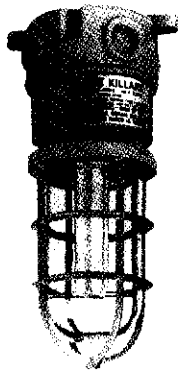
② *Wall fixture supplied as ceiling mount unit with all necessary components to make bracket conversion. Elbow bracket adapter shipped separately.*

③ *Standard marked supply wire is 125°C. For suitability with 90°C minimum supply wire, add suffix **LT** to catalog number. Example: **NVA15GG-LT**.*

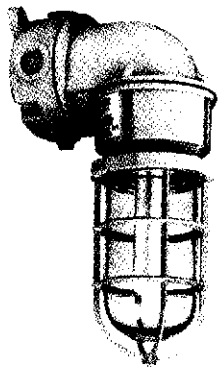
** Clear globe furnished. For other colors, order globes and mounting components separately See page L4.*



Pendant



Ceiling



Wall Mount

Class I, Div. 2, Groups A,B,C,D ③
Class I, Zone 2, Groups IIC,IIB,IIA
NEMA 3, 4X

UL Listed - Files E227731 and E91793

FEATURES-SPECIFICATIONS

Applications

Designed specifically for corrosive environments.

Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, agricultural, commercial/industrial, mining and marine facilities.

Features

- Series NVQ non-metallic light fixtures combine an outstanding balance of strength, stiffness, toughness and electrical properties
- Molded from 30% glass-filled thermoplastic polyester for high strength
- Resists corrosive effects of most chemicals, hydrocarbons and solvents
- Designed for indoor and outdoor applications. Molded threads will not "freeze"—components are easy to remove, even after long exposure to corrosive environments

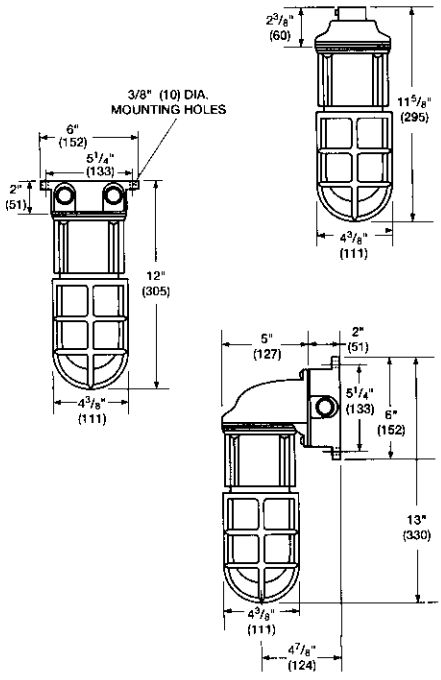
Compliances

- UL-1570 standard
- UL Marine type fixtures
- Suitable for wet locations
- NEMA 3, 4X
- Material meets U.L. 94-V-O standards for flame retardancy

NVQ Fluorescent Fixture Enclosed and Gasketed

Special Features

- Electronic ballast and lamp combination reduces energy consumption up to 70%
- Lamp life rated 10,000 hours with minimum starting temperature of -25°C (-13°F)
- Rated for use with 60° minimum supply wire
- Furnished with 18W compact fluorescent lamp



PENDANT NON-METALLIC FLUORESCENT ①④							
FIXTURE TYPE	LAMP①	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	GLOBE*	GUARD
Clear globe	PL-18	3/4"	**NVQA18GG**	NVA	NVQFC	VCG-100	NVG
Heat resistant	PL-18	3/4"	**NVQA18GHG**	NVA	NVQFC	VCGP-100	NVG

CEILING NON-METALLIC FLUORESCENT ①④							
FIXTURE TYPE	LAMP①	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	GLOBE*	GUARD
Clear globe	PL-18	3/4"	**NVQX18GG**	NVX	NVQFC	VCG-100	NVG
Heat resistant	PL-18	3/4"	**NVQX18GHG**	NVX	NVQFC	VCGP-100	NVG

WALL MOUNT NON-METALLIC FLUORESCENT 90°①②④							
FIXTURE TYPE	LAMP①	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/GLOBE & GUARD②	MOUNTING BOX	FIXTURE BODY	GLOBE*	GUARD
Clear globe	PL-18	3/4"	**NVQB18GG**	NVX+NVB	NVQFC	VCG-100	NVG
Heat resistant	PL-18	3/4"	**NVQB18GHG**	NVX+NVB	NVQFC	VCGP-100	NVG

① *Fixtures are unit packed and supplied with OSRAM® DuLux® D/E 18 watt Quad-Pin fluorescent lamp.*

② *Wall fixture supplied as ceiling mount unit with all necessary components to make bracket conversion. Elbow bracket adapter shipped separately.*

③ *Applications in Class I Div. 2 governed by NEC article 501-9(b)(2). 80% rule. NVQ maximum labeled operating temperature is 162°C. Minimum ignition temperature of hazardous gas or vapor is 203°C. Not UL listed or labeled for hazardous locations.*

④ *Listed catalog numbers are 120V AC. Order components for 277V or insert a* ***4*** *after the 18 for 277 assemblies; example* ***NVQA184GG****.*

* *Clear globe furnished. For other colors, order globes and fixture components separately.* *See page L4.*

HUBBELL
KILLARK®

Mounting Splice Boxes For NVQ/NV Series

For replacement or to make assemblies with special globes or voltages. Supplied complete with silicone gasket and brass screws. Pendant splice box includes a 316 stainless steel set screw at the conduit connection

Bracket mount available with integral on/off switch

Splice Boxes

Pendant

Ceiling

Wall Bracket

Switched Bracket

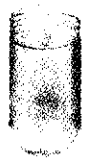
VGA SPLICE BOXES - INCLUDES SILICONE GASKETS & BRASS SCREWS		
CATALOG NUMBER	DESCRIPTION	
NVA	Pendant	Pendant splice box includes a 316 stainless steel set screw at the conduit connection
NVX	Ceiling	Direct ceiling mount or use with NVB for wall mount
NVB	Wall bracket	Use with NVX for wall mount
NVB-SW	Wall bracket with switch	Wall bracket with integral on/off switch

NVQFC
120V Fluorescent
NVQFC184
277V Fluorescent

NVFC
Incandescent

NVQ/NV FIXTURE BODIES		
CAT. NO.	DESCRIPTION	
NVQFC	Fluorescent 120V	Quad-pin lamp socket, 18 watt electronic ballast, silicon gasket and brass screws
NVQFC184	Fluorescent 277V	
NVFC	Incandescent	Includes heat resistant medium base socket, silicon gasket and brass screws

*Note: NVQFC rated for use with 60°C minimum supply wire. NVFC rated for use with 125°C minimum supply wire. For suitability with 90°C minimum supply wire, add suffix **LT** to catalog number (**NVFC-LT**)*


VCG-100

NVQ/NV GLASS GLOBES		
CATALOG NUMBER	DESCRIPTION	
VCG-100	Clear	150 watt max. Lamp size A-21
VCGP-100*	Clear, Tempered	
VAMG-100	Amber	
VGG-100	Blue Green	
VBG-100	Blue	
VRG-100	Ruby	
VRSG-100	Green	

** Thermal and shock resistant tempered glass. See "V" 100 series globes for other available colors*

VPLCG-100

NVQ/NV POLYCARBONATE GLOBES	
VPLCG-100	Polycarbonate 75 watt max. Lamp size A-19. Not UL Listed

Can be used with guard

NVQ/NV GUARD	
NVG	Replacement guard

NVQ FLUORESCENT LAMP	
NVQ-18	18 watt Quad-pin lamp

NVQ/NV COVER COMPONENTS	
NVBC	Blank cover supplied with gasket and screws
NVSG	Replacement gasket - fits between splice box and fixture body

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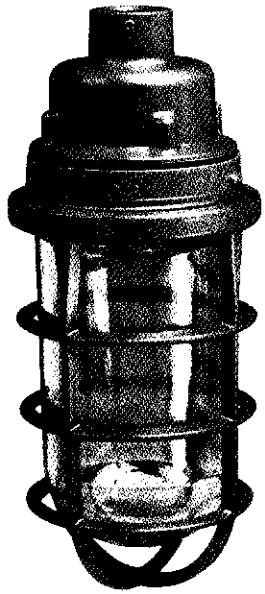


Pendant

Ceiling

Enclosed & Gasketed*

Listed - File E10514

Certified - File LR11713

FEATURES-SPECIFICATIONS

V SERIES ENCLOSED & GASKETED

Applications

Locations requiring durable, protected lighting fixtures

Wet and dirt laden locations, such as industrial environments requiring enclosed and gasketed (vaportight) fixtures

Lighting walkways, tunnels, loading docks, exits, stairwells, etc

Fixtures intended for base-up mounting

Heat resistant glass globes recommended for wet locations

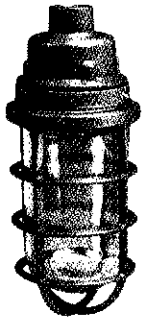
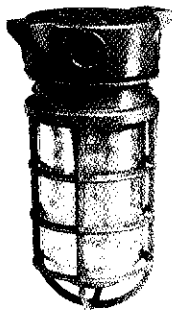
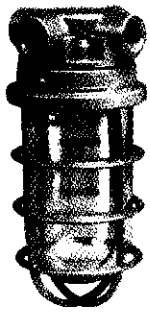
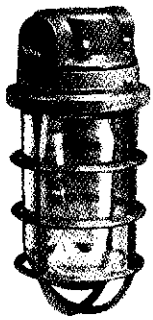
Features

- Electrostatically applied epoxy/polyester finish
- Enclosed and gasketed fixture (vaportight). Joint gaskets provided to seal out moisture and dirt
- Splice box selections include pendant, ceiling, bracket and stanchion mounting types
- Modular design permits selection of splice box, fixture body, globe, guard and reflector for specific or custom applications
- Hubs are threaded for attachment to conduit and set screws are provided in pendant fixtures
- Copper-free aluminum (less than 4/10 of 1%) construction with electrostatically applied epoxy/polyester finish resists corrosion

***Class I, Div. 2, NEMA 4 models available - see VXFC Series lighting assemblies & components, pages L9-L12. Dimensions page L13.**

HUBBELL
KILLARK

V SERIES • WEATHERPROOF INCANDESCENT COPPER-FREE ALUMINUM FIXTURES

Enclosed & Gasketed

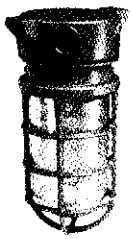
UL Listed - File E27731

CSA Certified - File LR11851

ORDERING INFORMATION

PENDANT MOUNT WITH VGA SPLICE BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUAG-1-100②	VUAGG-1-100②	VGA-1	VFC-100	VCG-100	VAG-100
		3/4"	VUAG-2-100②	VUAGG-2-100①	VGA-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUAG-1-200②	VUAGG-1-200②	VGA-1	VFC-200	VCG-200	VAG-200
		3/4"	VUAG-2-200②	VUAGG-2-200②	VGA-2	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH FEET USING VBC SPLICE BOX AND VBA ADAPTER

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUXBG-1-100①	VUXBGG-1-100①	VBC-1 + VBA	VFC-100	VCG-100	VAG-100
		3/4"	VUXBG-2-100①	VUXBGG-2-100①	VBC-2 + VBA	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUXBG-1-200②	VUXBGG-1-200②	VBC-1 + VBA	VFC-200	VCG-200	VAG-200
		3/4"	VUXBG-2-200②	VUXBGG-2-200②	VBC-2 + VBA	VFC-200	VCG-200	VAG-200

CEILING MOUNT WITH VGX SPLICE BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUXG-1-100②	VUXGG-1-100②	VGX-1	VFC-100	VCG-100	VAG-100
		3/4"	VUXG-2-100②	VUXGG-2-100②	VGX-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUXG-1-200②	VUXGG-1-200②	VGX-1	VFC-200	VCG-200	VAG-200
		3/4"	VUXG-2-200②	VUXGG-2-200②	VGX-2	VFC-200	VCG-200	VAG-200

CEILING MOUNT WITH VGC SPLICE BOX - FEED THROUGH

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUCG-1-100②	VUCGG-1-100①	VGC-1	VFC-100	VCG-100	VAG-100
		3/4"	VUCG-2-100②	VUCGG-2-100②	VGC-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUCG-1-200②	VUCGG-1-200②	VGC-1	VFC-200	VCG-200	VAG-200
		3/4"	VUCG-2-200②	VUCGG-2-200②	VGC-2	VFC-200	VCG-200	VAG-200

For other colors, order globes and fixture components separately.

① Fixture supplied as component unit pack when ordered by this catalog number.

② Catalog number for ordering convenience; fixture is shipped as components as listed in catalog number table.

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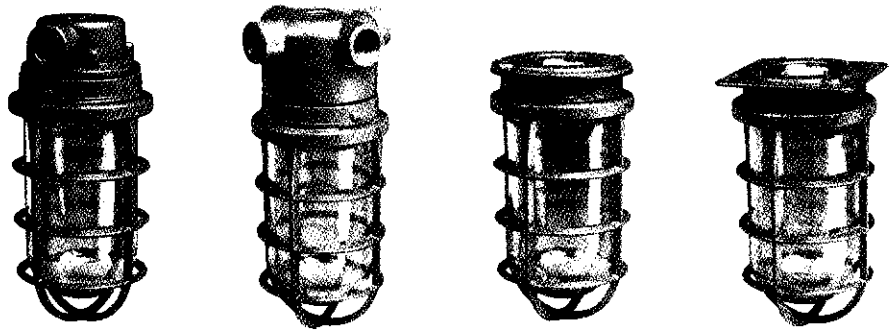
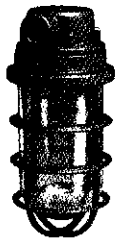


Enclosed & Gasketed

Listed - File E27731

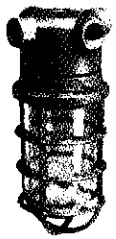
Certified - File LR11851

ORDERING INFORMATION



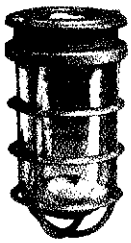
CEILING MOUNT WITH VGH SPLICE BOX - DEAD END

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUHG-1-100②	VUHGG-1-100②	VGH-1	VFC-100	VCG-100	VAG-100
		3/4"	VUHG-2-100②	VUHGG-2-100②	VGH-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUHG-1-200②	VUHGG-1-200②	VGH-1	VFC-200	VCG-200	VAG-200
		3/4"	VUHG-2-200②	VUHGG-2-200②	VGH-2	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH VXA DEEP 5-HUB SPLICE BOX

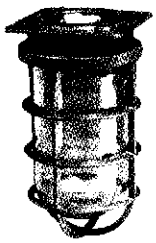
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VXAG-110②	VXAGG-110①	VXA-1	VFC-100	VCG-100	VAG-100
		3/4"	VXAG-210②	VXAGG-210②	VXA-2	VFC-100	VCG-100	VAG-100
120 220	300	1/2"	VXAG-120②	VXAGG-120②	VXA-1	VFC-200	VCG-200	VAG-200
		3/4"	VXAG-220②	VXAGG-220②	VXA-2	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH VBA ADAPTER FOR ROUND OUTLET BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GUARD	FIXTURE W/ GLOBE & GUARD	BOX ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VOB-100①	VOBG-100①	VBA	VFC-100	VCG-100	VAG-100
200	300	3/4"	VOB-200②	VOBG-200①	VBA	VFC-200	VCG-200	VAG-200

NOTES: Mounts directly to VJ ,VB or steel 3-1/2" or 4" outlet boxes. Supplied with gasket.



CEILING MOUNT WITH VFPS ADAPTER FOR SQUARE OR OCTAGON OUTLET BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	BOX ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VFCA-100②	VFCAG-100②	VFPS	VFC-100	VCG-100	VAG-100
200	300	3/4"	VFCA-200②	VFCAG-200②	VFPS	VFC-200	VCG-200	VAG-200

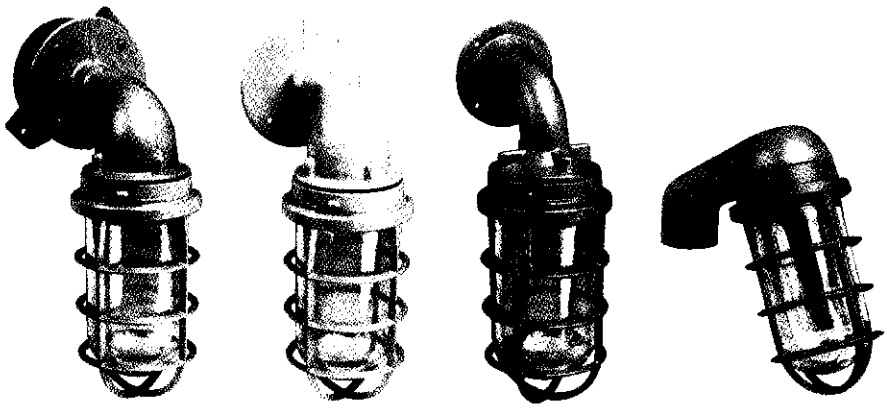
NOTES: Mounts directly to steel 4" square and 3-1/2" or 4" octagon outlet box. Supplied with gasket.

**For other colors, order globe and fixture components separately.*

① Fixture supplied as component unit pack when ordered by this catalog number.

② Catalog number for ordering convenience; fixture is shipped as components as listed in catalog number table.

V SERIES • WEATHERPROOF INCANDESCENT COPPER-FREE ALUMINUM FIXTURES



Enclosed & Gasketed

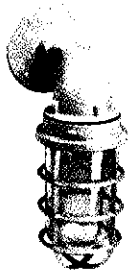
UL Listed - File E27731

CSA Certified - File LR11851

ORDERING INFORMATION

WALL MOUNT WITH FEET USING VBC SPLICE BOX AND VB ELBOW

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VFBG-1-100①	VFBGG-1-100①	VBC-1+VB-1	VFC-100	VCG-100	VAG-100
		3/4"	VFBG-2-100①	VFBGG-2-100①	VBC-2+VB-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VFBG-1-200②	VFBGG-1-200②	VBC-1+VB-1	VFC-200	VCG-200	VAG-200
		3/4"	VFBG-2-200②	VFBGG-2-200②	VBC-2+VB-2	VFC-200	VCG-200	VAG-200



WALL MOUNT WITH VB ELBOW TO MOUNT TO 4" OUTLET BOX

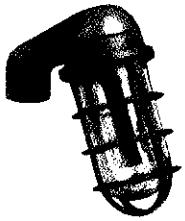
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VFBG-110②	VFBGG-110①	VB-1	VFC-100	VCG-100	VAG-100
		3/4"	VFBG-210②	VFBGG-210①	VB-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VFBG-120②	VFBGG-120②	VB-1	VFC-200	VCG-200	VAG-200
		3/4"	VFBG-220②	VFBGG-220②	VB-2	VFC-200	VCG-200	VAG-200

Mounts directly to VJ or VB Series or 4" steel outlet boxes. One hub in back, supplied with gasket.

WALL MOUNT-WITH VFL ELBOW FOR DIRECT MOUNT TO V SERIES SPLICE BOXES

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	—	VOBL-100②	VOBLG-100①	VFL	VFC-100	VCG-100	VAG-100
200	300	—	VOBL-200②	VOBLG-200②	VFL	VFC-200	VCG-200	VAG-200

Mounts directly to V Series splice boxes. Supplied with adapter plate and gasket for mounting to VJ, VB or 4" outlet boxes.



STANCHION MOUNT FOR 1-1/4" THREADED PIPE

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING ARM	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1-1/4"	VD-410G①	VD-410GG①	VD-4	VFC-100	VCG-100	VAG-100
200	300	1-1/4"	VD-420G②	VD-420GG②	VD-4	VFC-200	VCG-200	VAG-200

*For other colors, order globe and fixture components separately.

① Fixture supplied as component unit pack when ordered by this catalog number.

② Catalog number for ordering convenience; fixture is shipped as components as listed in catalog number table.

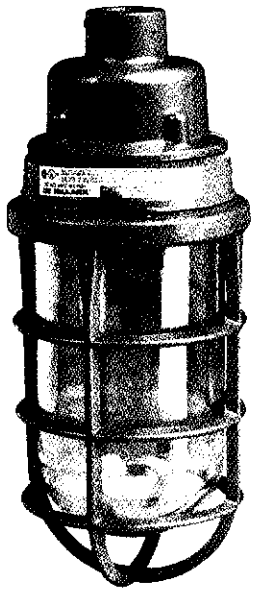
HUBBELL

KILLARK®

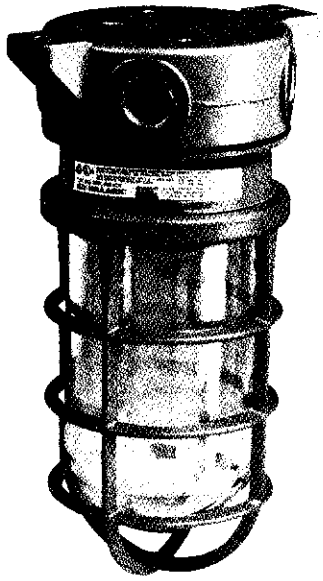
Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC,IIB,IIA
NEMA 3, 4*

Listed - File E10514
UL-1571 Standard for incandescent fixtures
UL-844 Standard for hazardous location fixtures

Certified - File LR11713



Pendant



Ceiling

FEATURES-SPECIFICATIONS

Applications

Killark "V" Series Vaportight fixtures are now available Third Party Certified for use in certain hazardous as well as wet locations which require durable, protected lighting fixtures.

Wet and dirt laden industrial environments such as walkways, tunnels, loading docks, stairwells, etc. made hazardous by the presence of flammable vapors as defined by the NEC.

Fixtures intended for base-up mounting only.

Heat resistant (tempered) glass globes recommended for wet locations.

** NEMA 3, 4 when used with tempered glass.*

Features

Killark Vaportight assemblies using VXFC bodies & tempered glass have all the features & advantages of "V" Enclosed & Gasketed" models plus:

- Heavy-duty silicone gasketing for NEMA 4 requirements
- Third party tested & labeled for use in C1D2 areas
- Modular design permits selection of splice box, fixture body, globe, guard and reflector for specific or custom applications
- Existing V Series mounting boxes may be retrofitted to upgrade to NEMA 4; C1D2 suitability

Copper-free aluminum construction with electrostatically applied epoxy/polyester finish resists corrosion

APPLICATION DATA①

FIXTURE TYPE	LAMP SIZE	GLOBE TYPE	TEMPERATURE CODE
100	A-19 60W	colored & clear	T2C (230°C)
100	A-19 70W	colored & clear	T2D (215°C)
100	A-19 100W	colored & clear	T2A (280°C)
100	A-21 100W	colored & clear	T2B (260°C)
100	A-21 150W	colored & clear	T2 (300°C)
100	A-21 100W	clear only	T2B (260°C)
100	A-21 150W	clear only	T2C (230°C)
200	A-23 200W	colored & clear	T2 (300°C)
200	PS-25 200W	colored & clear	T2A (280°C)
200	PS-25 300W	colored & clear	(350°C)

① Suitability based on base up installation

See dimensions page L13.

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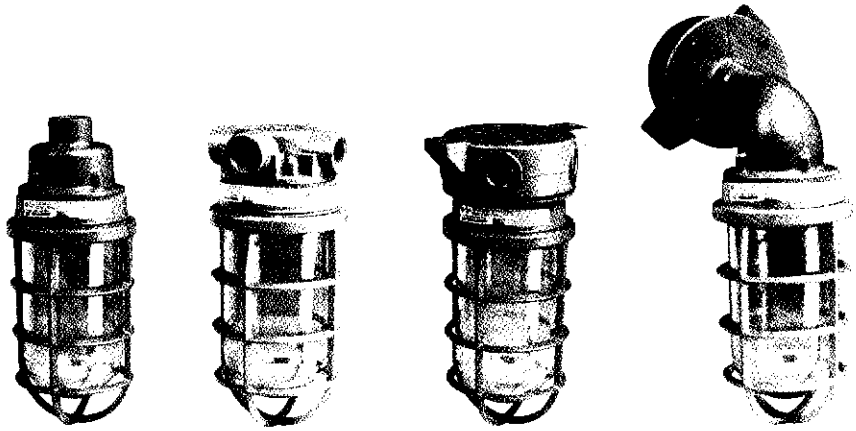


Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC,IIB,IIA
NEMA 3, 4 - When used with tempered glass

UL Listed - File E10514
UL-1571 Standard for incandescent fixtures
UL-844 Standard for hazardous location fixtures

CSP Certified - File LR11713

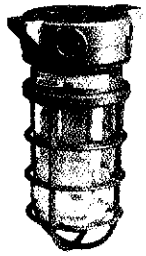
ORDERING INFORMATION

PENDANT MOUNT WITH VGA SPLICE BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VUAGG-1-100PX①	VGA-1	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VUAGG-2-100PX①	VGA-2	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VUAGG-1-200PX①	VGA-1	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VUAGG-2-200PX①	VGA-2	VXFC-200 N34	VCGP-200	VAG-200

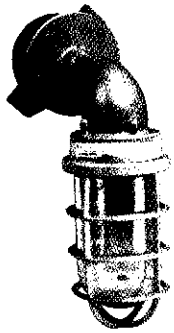
CEILING FIXTURE WITH VGX SPLICE BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VUXGG-1-100PX①	VGX-1	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VUXGG-2-100PX①	VGX-2	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VUXGG-1-200PX①	VGX-1	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VUXGG-2-200PX①	VGX-2	VXFC-200 N34	VCGP-200	VAG-200



CEILING FIXTURE WITH MOUNTING FEET USING VBC SPLICE BOX & VBA ADAPTER

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VUXBGG-1-100PX①	VBC-1+VBA	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VUXBGG-2-100PX①	VBC-2+VBA	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VUXBGG-1-200PX①	VBC-1+VBA	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VUXBGG-2-200PX①	VBC-2+VBA	VXFC-200 N34	VCGP-200	VAG-200



WALL FIXTURE WITH MOUNTING FEET USING VBC SPLICE BOX & VB ELBOW

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VFBGG-1-100PX①	VBC-1 + VB-1	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VFBGG-2-100PX①	VBC-2 + VB-2	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VFBGG-1-200PX①	VBC-1 + VB-1	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VFBGG-2-200PX①	VBC-2 + VB-2	VXFC-200 N34	VCGP-200	VAG-200

*For other colors, order globes and mounting components separately.

① Fixture supplied as component unit pack when ordered by this catalog number.

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Listed - File E27731

Certified - File LR11851

VFC Fixture Bodies

Fixture bodies contain lamp receptacle and are threaded to accept globes, guards and reflectors. These fixture bodies are mounted directly to V Series splice boxes. They may also be mounted to VJ Series, VB Series or other 4" outlet boxes with the use of the appropriate adapter plate. Each fixture body is supplied with gaskets.

VFC-100
VXFC-100①

VFC-200
VXFC-200①

V FIXTURE BODIES	
CATALOG NUMBER	DESCRIPTION
VFC-100	150W max. Enclosed & Gasketed Fixture Boby
VFC-200	300W max. Enclosed & Gasketed Fixture Boby
VXFC-100 N34	150W max. NEMA 3,4 - Class I, Div. 2 Fixture Body①
VXFC-200 N34	300W max. NEMA 3,4 - Class I, Div. 2 Fixture Body①

① Use VXFC body with tempered globe for NEMA 3, 4 - Class 1, Div. 2 applications. Consult temperature table, page L9 for suitability.

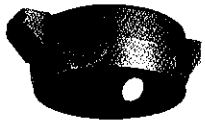
VGA

VGH

VGC

VGX

VXA



VBC

V Splice Boxes

For use with types 100 and 200 fixture bodies

V SPLICE BOXES			
CATALOG NUMBER	HUB SIZE & QTY.		DESCRIPTION
VGA-1	1/2"	1	Pendant mount
VGA-2	3/4"	1	
VGH-1	1/2"	1	Ceiling mount
VGH-2	3/4"	1	
VGC-1	1/2"	2	Ceiling mount
VGC-2	3/4"	2	
VGX-1	1/2"	4	Ceiling mount
VGX-2	3/4"	4	
VXA-1	1/2"	5	Ceiling mount, deep box
VXA-2	3/4"	5	
VBC-1	1/2"	4	Ceiling mount, with 3 close-up plugs (requires **VBA** Adapter)
VBC-2	3/4"	4	

VBA

VFPS

V ADAPTER MOUNTING PLATES	
CATALOG NUMBER	DESCRIPTION
VBA	Adapts fixture body to VB, VJ or steel 3-1/2" & 4" splice boxes. Supplied with gasket.
VFPS	Adapts fixture body to steel 4" square outlet boxes or 3-1/2" or 4" octagon boxes

VB

VFL

VD

V MOUNTING BRACKETS			
CATALOG NUMBER	HUB SIZE	QTY.	DESCRIPTION
VB-1	1/2"	1	Wall mount to VJ or VB boxes
VB-2	3/4"	1	Wall mount to VJ or VB boxes
VFL	—	—	Wall mount to V boxes directly or to VJ, VB boxes with VBA adapter
VD-4	1-1/4"	1	Stanchion mount

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UL Listed - File E27731

CSA Certified - File LR11851

150 W Max.
Lamp Size A-21

300 W Max.
Lamp Size PS-25

Polycarbonate

500 W Max.
Lamp Size PS-35

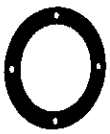
V GLASS GLOBES		
CATALOG NUMBER		DESCRIPTION
150 W A-21 LAMP	300 W PS-25 LAMP	
VCG-100	VCG-200	Clear
VCGP-100	VCGP-200	Clear Tempered. Thermal and shock resistant①
VCGPT-100	—	Clear Tempered with Tuffskin® coating②
VAMG-100	VAMG-200	Amber
VGG-100	VGG-200	Blue Green
VGGP-100	VGGP-200	Blue Green Tempered①
VBG-100	VBG-200	Blue
VBGP-100	—	Blue Tempered①
VRG-100	VRG-200	Ruby
VRGP-100	—	Ruby Tempered①
VRSG-100	—	Green
VPG-100	—	Purple
75 W A-19 LAMP	150 W A-21 LAMP	Polycarbonate. Cannot be used with guard or in high ambient temperature locations (40°C/104°F max.) Not UL Listed.
VPLCG-100	VPLCG-200	
500 W PS-35 LAMP		
VCG-500		Clear (for replacement)
VCGP-500		Tempered. Thermal and shock resistant (for replacement).

① Recommended for use with VXFC fixture basis.

② TM Thomas Manufacturing.

V GUARDS	
CATALOG NUMBER	DESCRIPTION
VAG-100	100 Series Vaportite guard
VAG-200	200 Series Vaportite guard

V REFLECTORS		
CATALOG NUMBER	DESCRIPTION	
VPRSD-100	100 Series Reflector	16 3/8" Dia. White polypropylene for pendant & ceiling applications. Not for use with wall or stanchion models.
VPRSD-200	200 Series Reflector	



Body To Splice Box
Gasket
100 or 200 Series
VTG Standard
VTG-S Silicone (pictured)

Lamp Socket
Gasket
VTRG

V SERIES GASKETS			
CATALOG NUMBER		TYPE	DESCRIPTION
100 SERIES	200 SERIES		
VTG		VFC	Fixture body to splice box
VTG-S		VXFC	Silicone, Fixture body to splice box
VTRG		VFC, VXFC	Porcelain lamp socket gasket
—	VTGG	VFC	Globe gasket
VTGG1-S	VTGG2-S	VFXC	Silicone, globe gasket

Globe Gasket
100 Series Standard - none required
200 Series Standard - VTGG (pictured)
100 Series Silicone - VTGG1-S
200 Series Silicone - VTGG2-S

V LAMP SOCKET	
CATALOG NUMBER	DESCRIPTION
VRME	For fixture types 100 and 200

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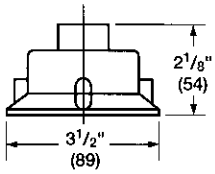
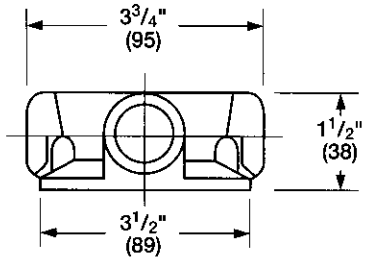
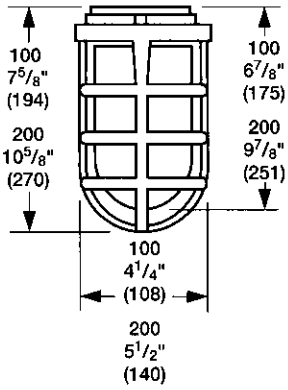


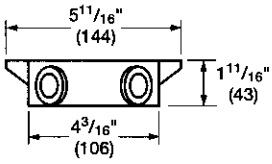
VGA

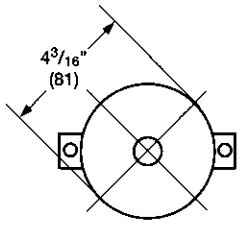


VGC VGX

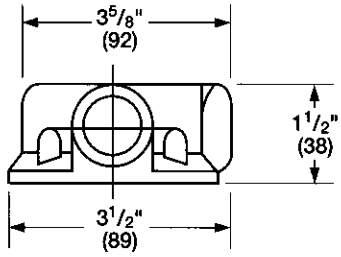


V Fixture
w/o Splice Box

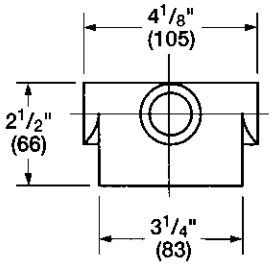


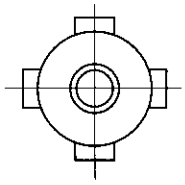


VBC-1 & VBC-2

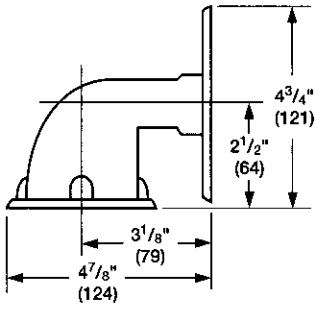


VGH

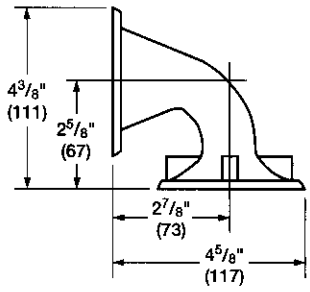




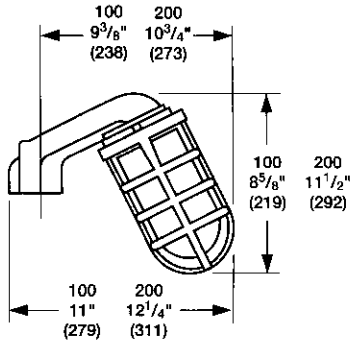
VXA



VB



VFL



V Stanchion

DO MIDGET LIGHTS

Application

DO Midget Lights are ideal for small, low wattage instrumental panel lighting and equipment warning lights. Uses 10 watt S-11 intermediate screw base lamp.

Features

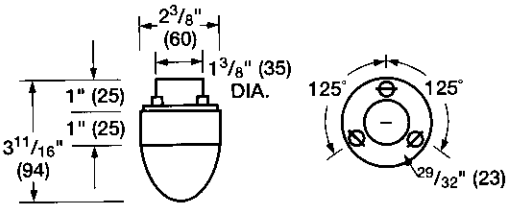
- Corrosion Resistant Thermoplastic-Body. Mounts to panel or boxes with three 6-32 screws
- Heavy Duty Mounting Adapters-Two types of cast aluminum boxes, side and box mounting
- Shatter Resistant Globes-Thread mount acrylic globes available in a variety of colors for all signal requirements
- Shock Proof Socket-Flexible mounted socket for long lamp life on equipment subject to vibration

DO-1-A with DON-5 and Globe

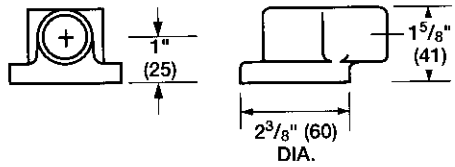
UL Damp Location

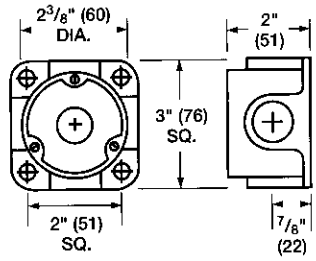
DO MIDGET LIGHTS ORDERING INFORMATION	
CATALOG NUMBER	DESCRIPTION
DON-5	**Body/Socket Assembly Less Globe Permits Mounting Directly to Panel or "DO" Boxes.** Assembly with intermediate screw socket
DO-1-A DO-105-XE	**Mounting Boxes–hubs tapped 1/2" N.P.T.** Side mount box–one hub Sq. box–four side hubs, four plugs, one back hub
DO-53	**Globe Guard** Plated clamp type wire guard

ACRYLIC GLOBES THREAD MOUNT	
CATALOG NUMBER	DESCRIPTION
DO-5-LP	Red
DO-5-RP	Green
DO-5-AP	Amber
DO-5-TAP	Opal



DO-1-A





DO-105-XE

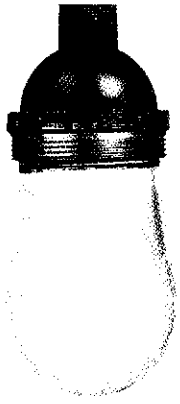
DV DUST-IGNITION PROOF

Applications

For hazardous locations where suspended metal, carbon (coal, etc.) and grain dusts create explosive or ignitable mixtures with the air

Features

Cast of corrosion resistant aluminum alloy with electrostatically applied epoxy/polyester finish



Dust-Ignition Proof

Class II, Div. 1 & 2 Groups E,F,G①
Class III

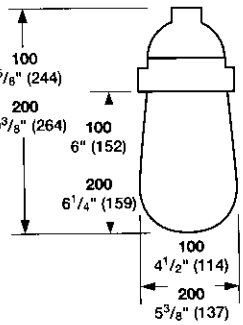
UL Listed - File E12976

CSA Certified - File LR11713

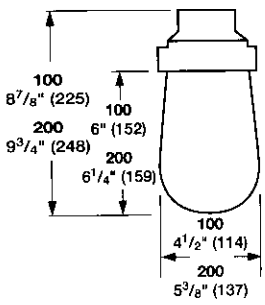
DV 100/200				
MODEL	LAMP SIZE	HUB SIZE	CATALOG NUMBER	
			PENDANT	CEILING
TYPE 100	100 WATT A-21	1/2"	DVA-110	DVX-110
	150 Watt A-23	3/4"	DVA-210	DVX-210
TYPE 200	150 Watt PS-25	1/2"	DVA-120	DVX-120
	200 Watt PS-25	3/4"	DVA-220	DVX-220

ACCESSORIES/REPLACEMENT PARTS			
FIXTURE TYPE	CATALOG NUMBER		
	GLASS GLOBE	WIRE GUARD	REPLACEMENT RECEPTACLE
100	DCGE-10	DAG-100	VRME
200	DCGE-20	DAG-200	VRME

①Temperature code T3B, use supply wire suitable for 150° C.



Pendant 100-200



Ceiling 100-200

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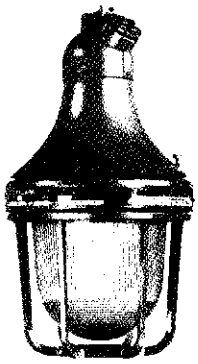
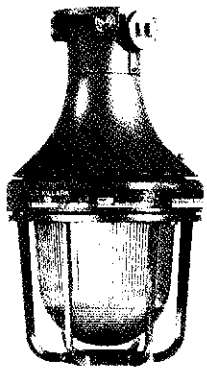
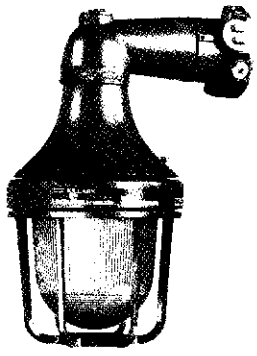


HPG-2-500F



HXG-2-500F



HBG-2-500F

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G

Listed* - File E12976

Certified* - File LR11713

*Complete assemblies only

See Hazardous location application data

FEATURES-SPECIFICATIONS

Applications

H Series fixtures can be used for:

Hazardous locations indoors and outdoors.

General lighting or process finish, storage and handling areas where flammable gases, vapor or dust may be present in the air to produce explosive or ignitable mixtures.

Features

- Cast of corrosion resistant aluminum alloy with electrostatically applied epoxy/polyester finish
- Heat and impact resistant prestressed fluted globe
- Relamp without tools—no need to remove accessories for relamping
- Fixture for lamp base-up mounting only
- Reflectors-aluminum with white finish

Fixture Ordering Information

- See catalog numbers shown at right
- For mogul base 300 watt PS-35 or 500 watt PS-40 lamps
- Fixture hub size is 3/4"
- Omit "G" in fixture catalog number to omit guard

H COMPLETE FIXTURES

CATALOG NUMBER	HUB SIZE	DESCRIPTION
HPG-2-500F	3/4"	Pendant
HXG-2-500F	3/4"	Ceiling
HBG-2-500F	3/4"	Wall

HP-2 HX-2 HB-2

H MOUNTING SPLICE BOXES

HP-2	3/4"	Pendant
HX-2	3/4"	Ceiling
HB-2	3/4"	Wall

HRSD-500 HRD-400 HRA-500 HGSA-500F EZG1G HRMO

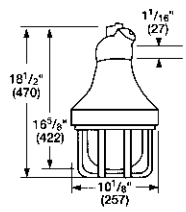
H ACCESSORIES

CATALOG NUMBER	DESCRIPTION
HRSD-500	Standard dome reflector 18-1/4" dia.
HRD-400	Deep reflector 21-1/8" dia.
HRA-500	Angle reflector 15-1/8" dia.
HGSA-500F	Globe with support assembly (for replacement)
EZG1G	Guard
HG-500	Guard (old style without "F" only)
HRMO	Replacement mogul socket

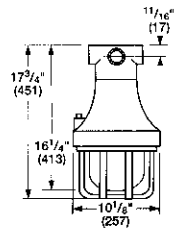
H APPLICATION DATA

LAMP WATTS	RATED AMBIENT °C	CLASS I, DIV. 1 & 2		CLASS II, DIV. 1 & 2		CLASS III SUITABILITY	SUPPLY WIRE °C
		T-CODE	GROUPS	T-CODE	GROUPS		
300	40	T3C	C, D	T3C	E F G	YES	150
500	40	T3	C, D	T3	E	NO	150

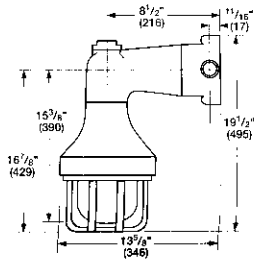
Dimensions



Pendant



Ceiling



Wall

HUBBELL
KILLARK®

E INCANDESCENT FACTORY SEALED

EPG-2-200

EXG-2-200

EBG-2-200

Class I, Div. 1 & 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G

HG-200

Applications
For hazardous locations including where Group A or Group B gases are present, indoors or outdoors.

General, local or supplementary lighting in areas where Group A or Group B gases are manufactured, used or handled.

Features
- Cast of corrosion resistant aluminum alloy with electrostatically applied epoxy/polyester finish
- For 200 watt or 300 watt PS-30 medium base lamps. Fixture for lamp base-up mounting only
- Omit "G" in catalog number to omit guard

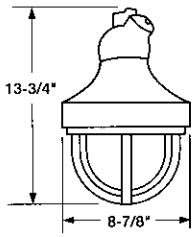
Groups A,B Rated

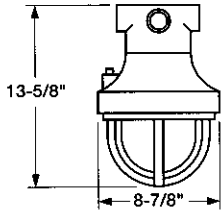
E INCANDESCENT FIXTURE	
CATALOG NUMBER	DESCRIPTION
EPG-2-200	Pendant 3/4" hub
EXG-2-200	Ceiling 3/4" hub
EBG-2-200	Bracket 3/4" hub

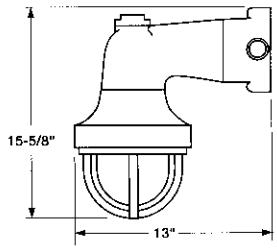
Note: For 200 watt or 300 watt PS-30 lamps. Fixture for lamp base-up mounting only.

E ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
HG-200	Guard
EGSA-200	Globe w/ support assembly
HRME	Replacement socket

E APPLICATION DATA							
LAMP WATTS	RATED AMBIENT °C	CLASS I, DIV. 1 & 2		CLASS II, DIV. 1 & 2		CLASS III SUITABILITY	SUPPLY WIRE °C
		T-CODE	GROUPS	T-CODE	GROUPS		
200	40	T4	A, B, C, D	T3C	E F G	YES	90
300	40	T3C	A, B, C, D	T3A	E, F	NO	150







XHL SERIES HAND LAMPS

XHL Series Hand Lamps are a handy accessory to the ACCEPTOR® Series. Used as a supplemental illumination source for areas where flammable materials are present such as processed finished goods, storage vats or handling areas.

XHL

XHLF

Features XHL Incandescent
- Phenolic handle for long service in rugged conditions
- Aluminum guard
- Heat and impact resistant globe
- Supplied with an A-21 100 Watt (100A/RS) Rough Service lamp
- Supplied with 2 grommets for use with either 14/3 or 16/3 user furnished SO cable

CATALOG NUMBER	DESCRIPTION
XHL-100	Handlamp
XHL-GL	Replacement Globe
XHLG	Replacement Guard
XHLS	Replacement Socket

XHL Incandescent
Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB,IIA

UL Listed File No. E97760

CSA Certified File No. LR10019

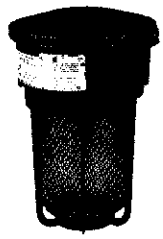
Features XHLF Fluorescent
- No exposed metal parts
- Furnished with 26 watt 1800 Lumen fluorescent lamp and light shield
- Supplied with grommet for use with 16/3 user furnished SO cable

CATALOG NUMBER	DESCRIPTION
XHLF26	Fluorescent hand lamp
XHLF26-50KP	Fluorescent hand lamp with 50' of 16/3 SOW cord and 15A Acceptor plug

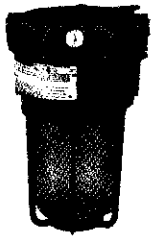
XHLF Fluorescent
Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups F,G

UL c UL Listed File No. E97760

HUBBELL
KILLARK®



Pendant



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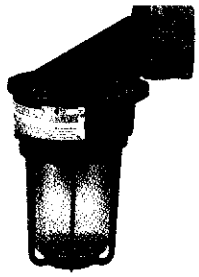
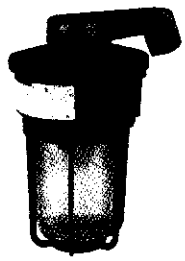


Wall



Stanchion

Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

Certified - File LR11713

FEATURES-SPECIFICATIONS

CERTI*LITE*®

Applications

CERTI*LITE*® MB fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, offshore and dockside installations, garages and storage facilities.

Compliances

- UL-1572 Standard for HID lighting fixtures
- UL-1570 Standard for Fluorescent fixtures
- UL Marine type lighting fixtures (HID models) UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaries for use in hazardous locations
- Enclosed and gasketed
- NEMA 3, 4X

Features

- Ballast tank and splice box — corrosion resistant copper-free aluminum alloy
- Baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware — stainless steel
- Guard — copper-free aluminum alloy
- Normally shipped as components for quick delivery
- Refractor guard — steel with corrosion resistant finish
- Reflector — lightweight, corrosion resistant polyester reinforced fiberglass
- Fluorescent models furnished **with lamps.** Energy efficient instant on white light (2700K). 10,000 hour lamp life
- HID lamp holders are E26 medium base

Catalog Number Logic

MB 0 00 0 - 000 00 (NR) ①

Series Constant

Lamp Type
F—Fluorescent
L—High Pressure Sodium
H—Metal Halide
K—MV Mercury Vapor

Lamp Wattage
13—(1) 13 Watt PL Lamp
26—(2) 13 Watt PL Lamp
39—(3) 13 Watt PL Lamp
50—50 Watt—HPS/MH/MV
70—70 Watt—HPS/MH
75—75 Watt—MV
10—100 Watt—HPS/MV②
15—150 Watt—HPS

Voltage
0—Quad - 120/208/240/277 Volts 60 Hz (50, 70 HPS/MH)
1—120 Volts 60 Hz (HPS/MV/Fluorescent)
4—277 Volts 60 Hz (13, 26 Watt Fluorescent/MV)
5—480 Volts (100MV only)

Optic
G—Fluted Glass Globe
GG—Globe and Guard
R5—Glass Refractor Type V
R5G—Glass Refractor & Guard

Mounting Style
A2—3/4" Pendant
A3—1" Pendant
X2—3/4" Ceiling
X3—1" Ceiling
B2—3/4" Wall Bracket
B3—1" Wall Bracket
D4—1-1/4" Stanchion
D5—1-1/2" Stanchion

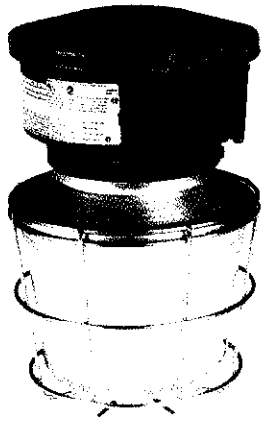
HUBBELL
KILLARK®

** See Hazardous Location Application Data on page L26 for limitations.*

① See page L22 for Ex nR Restricted Breathing models.

② Consult factory for 100 Watt Metal Halide availability.

MB SERIES • LIGHTING
COMPACT BI-PIN FLUORESCENT, 13-39 WATT



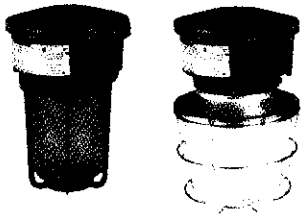
Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
NEMA 3, 4X

UL Listed - Files E10514 and E91793

CSA Certified - File LR11713

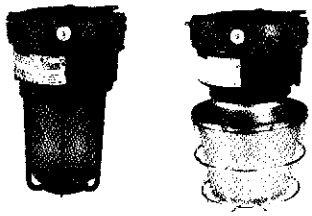
ORDERING INFORMATION

PENDANT



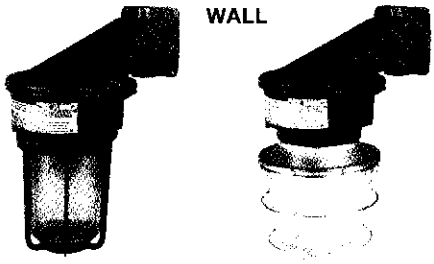
PENDANT FLUORESCENT					
LAMP TYPE	LAMP/① WATTS	HUB SIZE②	VOLTAGE 60 HZ③	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
Bi-Pin	13 Watt (1 x 13)	3/4"	120	MBF131-GGA2	MBF131-R5GA2
	26 Watt (2 x 13)	3/4"	120	MBF261-GGA2	MBF261-R5GA2
	39 Watt (3 x 13)	3/4"	120	MBF391-GGA2	MBF391-R5GA2

CEILING



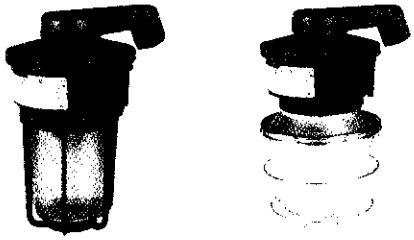
CEILING FLUORESCENT					
LAMP TYPE	LAMP/① WATTS	HUB SIZE②	VOLTAGE 60 HZ③	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
Bi-Pin	13 Watt (1 x 13)	3/4"	120	MBF131-GGX2	MBF131-R5GX2
	26 Watt (2 x 13)	3/4"	120	MBF261-GGX2	MBF261-R5GX2
	39 Watt (3 x 13)	3/4"	120	MBF391-GGX2	MBF391-R5GX2

WALL



WALL FLUORESCENT					
LAMP TYPE	LAMP/① WATTS	HUB SIZE②	VOLTAGE 60 HZ③	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
Bi-Pin	13 Watt (1 x 13)	3/4"	120	MBF131-GGB2	MBF131-R5GB2
	26 Watt (2 x 13)	3/4"	120	MBF261-GGB2	MBF261-R5GB2
	39 Watt (3 x 13)	3/4"	120	MBF391-GGB2	MBF391-R5GB2

STANCHION

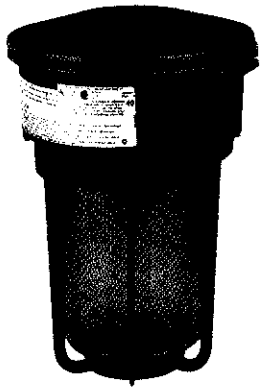


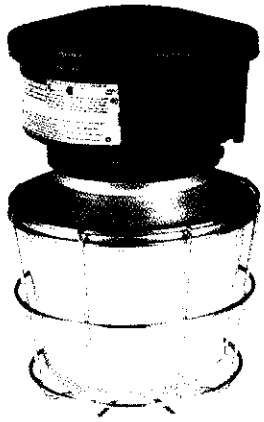
STANCHION FLUORESCENT					
LAMP TYPE	LAMP/① WATTS	HUB SIZE②	VOLTAGE 60 HZ③	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
Bi-Pin	13 Watt (1 x 13)	1-1/4"	120	MBF131-GGD4	MBF131-R5GD4
	26 Watt (2 x 13)	1-1/4"	120	MBF261-GGD4	MBF261-R5GD4
	39 Watt (3 x 13)	1-1/4"	120	MBF391-GGD4	MBF391-R5GD4

① *Fixtures supplied with Bi-Pin fluorescent lamps. Replacement number MPL13.*
② *Catalog numbers shown are with 3/4" conduit openings (1-1/4" on stanchion mount) and include globe and guard. See catalog logic for other possible configurations.*
③ *Catalog numbers are shown with 120V ballasts. 1 & 2 lamp fixtures are available with 277V ballasts Change 6th character from "**1**" to "**4**"; e.g. **MBF264-GGA2**.*

* *See Hazardous Location Application Data on page L26 for limitations.*

HUBBELL
KILLARK®





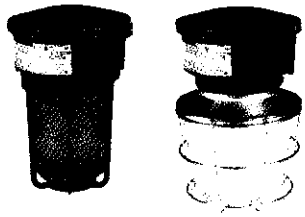
Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

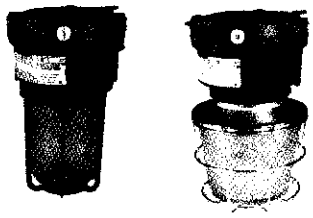
Certified - File LR11713

ORDERING INFORMATION

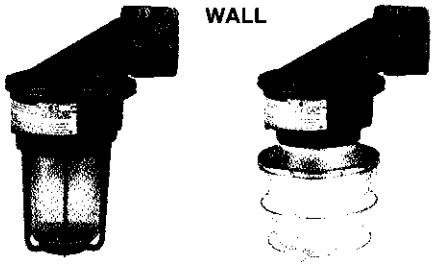
PENDANT



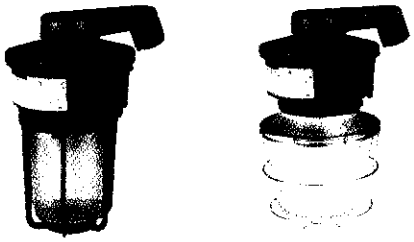
CEILING



WALL



STANCHION



PENDANT 50-150W HIGH PRESSURE SODIUM					
LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
HPS	50	3/4"	120	MBL501-GGA2	MBL501-R5GA2
	70	3/4"	120	MBL701-GGA2	MBL701-R5GA2
	100	3/4"	120	MBL101-GGA2	MBL101-R5GA2
	150	3/4"	120	MBL151-GGA2	MBL151-R5GA2

CEILING 50-150W HIGH PRESSURE SODIUM					
LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
HPS	50	3/4"	120	MBL501-GGX2	MBL501-R5GX2
	70	3/4"	120	MBL701-GGX2	MBL701-R5GX2
	100	3/4"	120	MBL101-GGX2	MBL101-R5GX2
	150	3/4"	120	MBL151-GGX2	MBL151-R5GX2

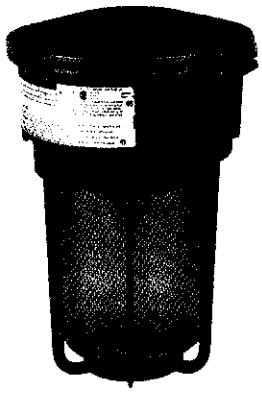
WALL 50-150W HIGH PRESSURE SODIUM					
LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
HPS	50	3/4"	120	MBL501-GGB2	MBL501-R5GB2
	70	3/4	120	MBL701-GGB2	MBL701-R5GB2
	100	3/4"	120	MBL101-GGB2	MBL101-R5GB2
	150	3/4"	120	MBL151-GGB2	MBL151-R5GB2

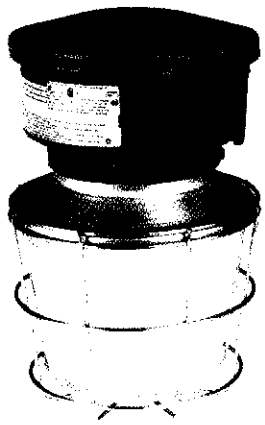
STANCHION 50-150W HIGH PRESSURE SODIUM					
LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
HPS	50	1-1/4"	120	MBL501-GGD4	MBL501-R5GD4
	70	1-1/4"	120	MBL701-GGD4	MBL701-R5GD4
	100	1-1/4"	120	MBL101-GGD4	MBL101-R5GD4
	150	1-1/4"	120	MBL151-GGD4	MBL151-R5GD4

① Catalog numbers shown are 120. Consult catalog logic for other available voltages.
② Catalog numbers shown with 3/4" conduit openings (1-1/4" on stanchion mount) and includes globe and guard or IES type V 8" glass refractor and guard. See catalog logic for other possible configurations.

** See Hazardous Location Application Data on page L26 for limitations.*

L





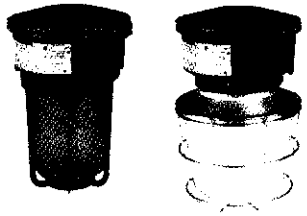
Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

Certified - File LR11713

ORDERING INFORMATION

PENDANT



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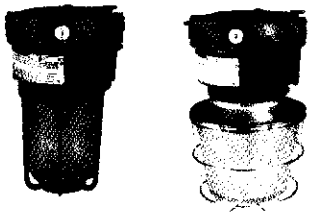

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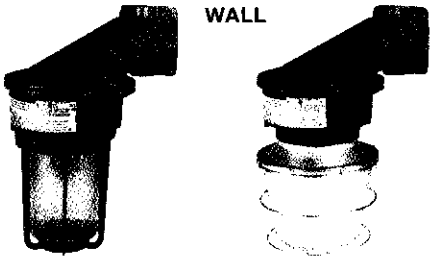
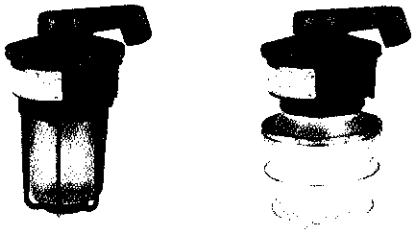


STANCHION



PENDANT 50-70W METAL HALIDE

LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MH	50	3/4"	120/208/240/277	MBH500-GGA2	MBH500-R5GA2
	70	3/4"	120/208/240/277	MBH700-GGA2	MBH700-R5GA2

CEILING 50-70W METAL HALIDE

LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MH	50	3/4"	120/208/240/277	MBH500-GGX2	MBH500-R5GX2
	70	3/4"	120/208/240/277	MBH700-GGX2	MBH700-R5GX2

WALL 50-70W METAL HALIDE

LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MH	50	3/4"	120/208/240/277	MBH500-GGB2	MBH500-R5GB2
	70	3/4"	120/208/240/277	MBH700-GGB2	MBH700-R5GB2

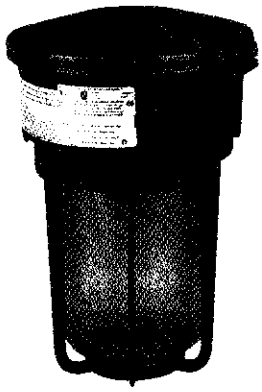
STANCHION 50-70W METAL HALIDE

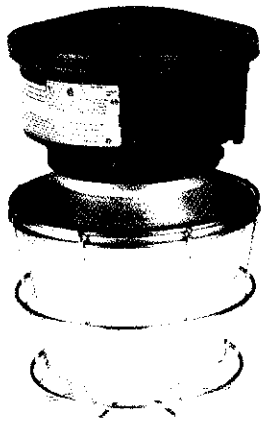
LAMP TYPE	LAMP WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MH	50	1-1/4"	120/208/240/277	MBH500-GGD4	MBH500-R5GD4
	70	1-1/4"	120/208/240/277	MBH700-GGD4	MBH700-R5GD4

① *Metal Halide MB fixtures use quad-volt ballasts.*
② *Catalog numbers shown with 3/4" conduit openings (1-1/4" on stanchion mount) and include globe and guard or IES type V 8" glass refractor and guard. See catalog logic for other possible configurations.*

* *See Hazardous Location Application Data on page L26 for limitations.*

HUBBELL
KILLARK





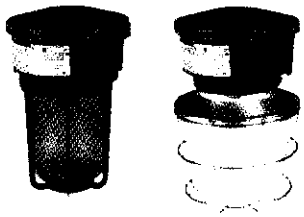
Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

Certified - File LR11713

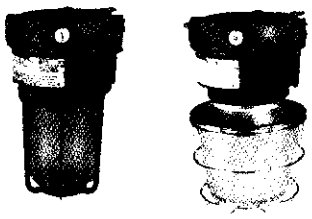
ORDERING INFORMATION

PENDANT



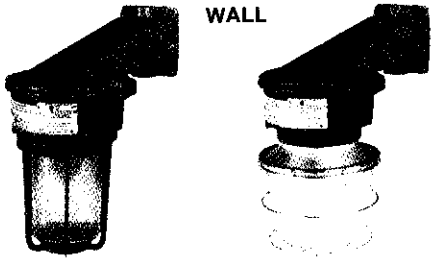
PENDANT 50-100W MERCURY VAPOR					
LAMP TYPE	LAMP/ WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MV	50	3/4"	120	MBK501-GGA2	MBK501-R5GA2
	75	3/4"	120	MBK751-GGA2	MBK701-R5GA2
	100	3/4"	120	MBK101-GGA2	MBK101-R5GA2

CEILING



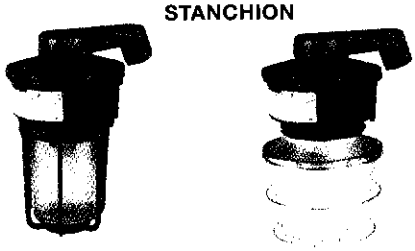
CEILING 50-100W MERCURY VAPOR					
LAMP TYPE	LAMP/ WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MV	50	3/4"	120	MBK501-GGX2	MBK501-R5GX2
	75	3/4"	120	MBK751-GGX2	MBK751-R5GX2
	100	3/4"	120	MBK101-GGX2	MBK101-R5GX2

WALL



WALL 50-100W MERCURY VAPOR					
LAMP TYPE	LAMP/ WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MV	50	3/4"	120	MBK501-GGB2	MBK501-R5GB2
	75	3/4"	120	MBK751-GGB2	MBK751-R5GB2
	100	3/4"	120	MBK101-GGB2	MBK101-R5GB2

STANCHION



STANCHION 50-100W MERCURY VAPOR					
LAMP TYPE	LAMP/ WATTS	HUB SIZE②	VOLTAGE 60 HZ①	CATALOG NUMBER②	
				GLOBE AND GUARD	REFRACTOR AND GUARD
MV	50	1-1/4"	120	MBK501-GGD4	MBK501-R5GD4
	75	1-1/4"	120	MBK751-GGD4	MBK751-R5GD4
	100	1-1/4"	120	MBK101-GGD4	MBK101-R5GD4

① Catalog numbers shown are 120 volt. Consult catalog logic for other available voltages.
② Catalog numbers shown with 3/4" conduit openings (1-1/4" on stanchion mount) and includes globe and guard or IES type V 8" glass refractor and guard. See catalog logic for other possible configurations.

** See Hazardous Location Application Data on page L26 for limitations.*

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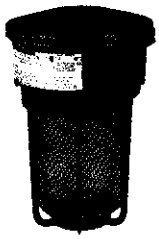
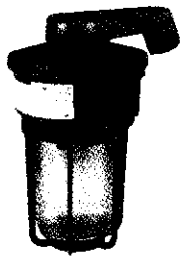

Pendant

Ceiling

Wall


Stanchion

AEx nR / Ex nR*
Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

Certified - File LR11713

FEATURES-SPECIFICATIONS

CERTILITE®

Applications

MB Restricted Breathing option fixtures maintain all the features and compliances listed for standard MB HID lighting fixtures. An alternate testing and installation method allows much lower Temperature Codes when compared to conventional units. Installation requires sealed entry (conduit or cable). See temperature data charts to determine suitability per applicable construction codes. Ex nR Restricted Breathing fixtures are available with globe only, not refractors.

CERTI*LITE*® MB fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities.

Compliances

- UL-1572 Standard for HID lighting fixtures
- UL Marine type lighting fixtures
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaries for use in hazardous locations
- IEC 60079-15 Electrical apparatus with "n" type protection
- Enclosed and gasketed
- NEMA 3, 4X

Features

- Ballast tank and splice box — corrosion resistant copper-free aluminum alloy
- HID lamp holders are E-26 medium base
- Baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware — stainless steel
- Guard — copper-free aluminum alloy
- Reflector — lightweight, corrosion resistant polyester reinforced fiberglass

Electrical

Fixtures are available in

- Fluorescent Bi-Pin: 13-39 watts①
- HPS: 50 through 150 watts
- MH: 50 & 70 watts②
- MV: 50 through 100 watts

All HID ballast circuits are high power factor. Consult catalog logic on page L17 for available voltages.

** See Hazardous Location Application Data on page L26 for limitations.*
*① Ex nR HID models listed page L23. For fluorescent models, add **NR** to "globe" model number from page L18.*
② Consult factory for 100 watt Metal Halide availability.

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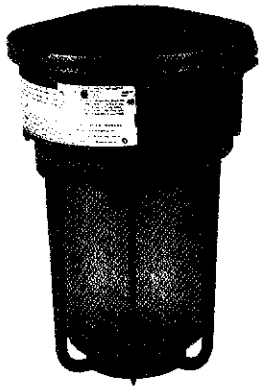


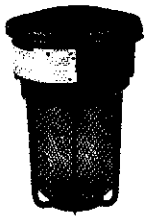
AEx nR / Ex nR*
Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

Certified - File LR11713

ORDERING INFORMATION

PENDANT



MB 50-150W Ex nR PENDANT①

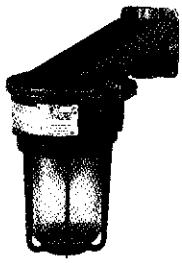
LAMP WATTS	VOLTAGE @ 60 HERTZ	CATALOG NUMBER		
		HPS	MH②	MV
50	120②	MBL501-GGA2NR	MBH500-GGA2NR	MBK501-GGA2NR
70	120②	MBL701-GGA2NR	MBH700-GGA2NR	—
75	120	—	—	MBK751-GGA2NR
100	120	MBL101-GGA2NR	—	MBK101-GGA2NR
150	120	MBL151-GGA2NR	—	—

CEILING

MB 50-150W Ex nR CEILING①

LAMP WATTS	VOLTAGE @ 60 HERTZ	CATALOG NUMBER		
		HPS	MH②	MV
50	120②	MBL501-GGX2NR	MBH500-GGX2NR	MBK501-GGX2NR
70	120②	MBL701-GGX2NR	MBH700-GGX2NR	—
75	120	—	—	MBK751-GGX2NR
100	120	MBL101-GGX2NR	—	MBK101-GGX2NR
150	120	MBL151-GGX2NR	—	—

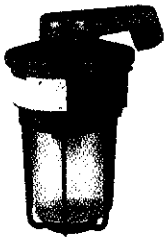
WALL



MB 50-150W Ex nR WALL①

LAMP WATTS	VOLTAGE @ 60 HERTZ	CATALOG NUMBER		
		HPS	MH②	MV
50	120②	MBL501-GGB2NR	MBH500-GGB2NR	MBK501-GGB2NR
70	120②	MBL701-GGB2NR	MBH700-GGB2NR	—
75	120	—	—	MBK751-GGB2NR
100	120	MBL101-GGB2NR	—	MBK101-GGB2NR
150	120	MBL151-GGB2NR	—	—

STANCHION



MB 50-150W Ex nR STANCHION①

LAMP WATTS	VOLTAGE @ 60 HERTZ	CATALOG NUMBER		
		HPS	MH②	MV
50	120②	MBL501-GGD4NR	MBH500-GGD4NR	MBK501-GGD4NR
70	120②	MBL701-GGD4NR	MBH700-GGD4NR	—
75	120	—	—	MBK751-GGD4NR
100	120	MBL101-GGD4NR	—	MBK101-GGD4NR
150	120	MBL151-GGD4NR	—	—

① Fixtures are shown with 120V ballasts, except Metal Halide. All assemblies with 3/4" conduit openings (1-1/4" Stanchion), globe and guard. Consult prior pages and catalog logic for other options.

② Metal Halide fixtures are furnished with quad-volt ballasts.

** See Hazardous Location Application Data on page L26 for limitations.*

*Note: For fluorescent Ex nR models, add **NR** to "globe" model number from page L18.*

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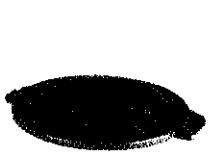
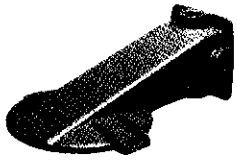
MB SERIES • LIGHTING COMPONENT PARTS/BALLAST DATA



Pendant

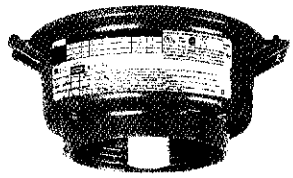
Ceiling



Wall

Stanchion

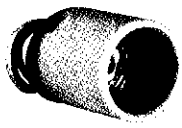
MB MOUNTING BRACKETS				
CATALOG NUMBER				HUB SIZE
PENDANT	CEILING	WALL	STANCHION	
MBA-2	MBX-2	MBB-2	—	3/4"
MBA-3	MBX-3	MBB-3	—	1"
—	—	—	MBD-4	1-1/4"
—	—	—	MBD-5	1-1/2"



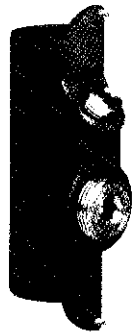
④ *Catalog numbers shown are 120 volt (except Metal Halide). Consult catalog number logic on page L17 and change sixth character to indicate other available voltages.*

⑤ *For Class I Ex nR Restricted Breathing ballast housings, add "**NR**" to catalog number e.g. **MBL501NR**. "**NR**" ballast housing not available for use with refractors.*

EBRS



EMRS



ENY-2SET

MB ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
EMRS	MB medium base replacement socket (E26)
EBRS	MB Bi-Pin base replacement socket
MPL13	Replacement lamp for MBF and EBF series
ENY-2SET	3/4" ENY seal with set screw for sealed (Ex nR) pendant installations
ENY-3SET	1" ENY seal with set screw for sealed (Ex nR) pendant installations

MB BALLAST TANK④⑤			
LAMP TYPE	LAMP WATTAGE	VOLTAGE 60 HZ	CATALOG NUMBER
FL	13	120	MBF131
	26	120	MBF261
	39	120	MBF391
HPS	50	120	MBL501
	70	120	MBL701
	100	120	MBL101
	150	120	MBL151
MH	50	120/208/240/277	MBH500
	70	120/208/240/277	MBH700
MV	50	120	MBK501
	75	120	MBK751
	100	120	MBK101

MB BALLAST DATA										
LAMP TYPE			STARTING AMPS	OPERATING AMPS	OPEN CIRCUIT AMPS	INPUT WATTS MAX	BALLAST CIRCUIT	REGULATIONS	MINIMUM START TEMPERATURE	
LAMP	WATTS	VOLTS								
FL①	13	120/277	.39/.35	.30/.3	—	16	NPF	—	0F	-17C
HPS	50	120	.75	.55	.90	60	HX-HPF②	±5% Line voltage③	-40F	-40C
	70	120	.85	.75	1.30	82	HX-HPF②	±5% Line voltage③	-40F	-40C
	100	120	1.50	1.05	1.80	115	HX-HPF②	±5% Line voltage③	-40F	-40C
	150	120	2.20	1.50	2.35	170	HX-HPF②	±5% Line voltage③	-40F	-40C
MH	50	120/208 240/277	.87/.51/.47/.39	.6/.35/.3/.25	1.6/.67/.57/.5	67	HX-HPF②	±5% Line voltage③ ±12% Lamp watts③	-20F	-30C
	70	120/208 240/277	.8/.5/.43/.39	.85/.5/.43/.37	1.7/1.04/.87/.78	95	HX-HPF②	±5% Line voltage③ ±12% Lamp watts③	-20F	-30C
MV	50	120/277	.60/.26	.67/.29	.30/.13	74	CWA②	±10% Lamp watts③	-20F	-30C
	75	120/277	.80/.35	.82/.36	.50/.22	93	CWA②	±10% Lamp watts③	-20F	-30C
	100	120/277/480	1.00/.43/.25	1.05/.45/.26	.64/.28/.16	118	CWA②	±10% Lamp watts③	-20F	-30C

① *Per lamp, max available lamps @ 120 volt is 3; max @ 277 volt is 2.*

② *Ballasts are High Power Factor 90%+.*

③ *Lamp watts within ANSI Trapezoid limitations.*

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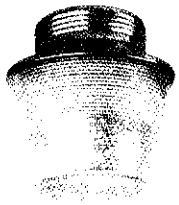
Globe

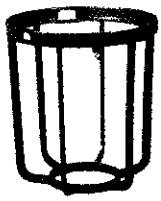
MBG

Refractor

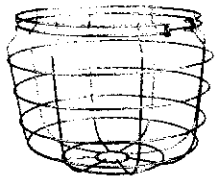


VZRG-1550

Guards



MBAG



VMRWG-8

Reflectors

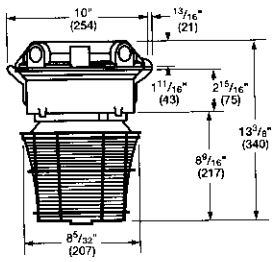
VMPSD-17

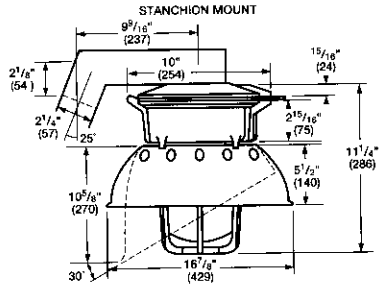
VMPA-17

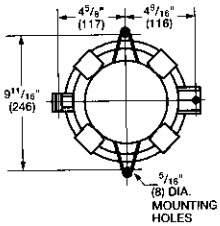
ORDERING INFORMATION

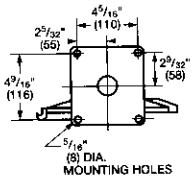
MB ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
MBG	Heat and impact resistant globe
VZRG-1550	(I.E.S. Type V) closed bottom 8" glass refractor
MBAG	Globe guard - Epoxy/polyester painted aluminum
VMRWG-8	Refractor guard - plated steel
VMPSD-17	Standard dome reflector (polyester reinforced fiberglass)
VMPA-17	Angle reflector (polyester reinforced fiberglass)

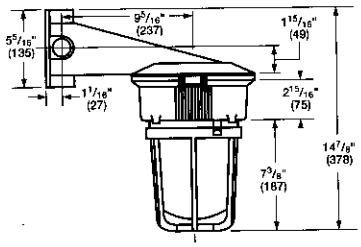
Dimensions











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MBF HAZARDOUS LOCATION DATA

			CLASS I, DIVISION 2 GROUPS A, B, C, D① LAMP TEMP, W/GLOBE, GLOBE & REFLECTOR② OR 8" GLASS REFRACTOR	CLASS II, DIVISION 1 & 2① MAXIMUM SURFACE TEMPERATURE W/GLOBE, GUARD③ & REFLECTOR② OR 8" GLASS REFRACTOR④		CLASS III, DIV. 1 & 2① W/GLOBE, W/GUARD③ & REFLECTOR② OR 8" GLASS REFRACTOR	SUPPLY WIRE SUITABLE FOR °C
LAMP TYPE	LAMPS/ WATTS	RATED AMBIENT°C	UL/CSA TEMP I.D.⑤	UL/CSA TEMP I.D.	GROUP	UL/CSA	
PL	13	40	(T3B) 165°C	(T4) 135°C	E, F & G	YES	90
	26 (2x13)	40	(T3B) 165°C	(T4) 135°C	E, F & G	YES	90
	39 (3x13)	25	(T3A) 180°C	(T4) 135°C	E, F & G	YES	90

① *Verify temperatures for suitability for intended use.*
② *Includes both standard dome and angle reflectors.*
③ *Guard required for Class II, Division 1 and Class III, Division 1 applications.*
④ *Note: 8 inch glass refractor not CSA certified for Class II, Division 1 and Class III, Divisions 1 installations.*
⑤ *Add NR to globe fluorescent models for Ex nR Restricted Breathing—all have T6 Temperature I.D.*

MB HAZARDOUS LOCATION DATA

LAMP		RATED AMBIENT °C	CLASS I, DIV. 2, GROUPS A, B, C, D① LAMP TEMPERATURES			CLASS II, DIV. 1 & 2, GROUPS E, F, G③⑤ MAXIMUM SURFACE TEMPERATURES			CLASS III, DIV. 1 & 2③			SUPPLY WIRE SUITABLE FOR °C
TYPE	WATTAGE		WITHOUT④ REFLECTOR	WITH② REFLECTOR	WITH REFRACTOR	WITHOUT④ REFLECTOR	WITH② REFLECTOR	WITH REFRACTOR	WITHOUT④ REFLECTOR	WITH② REFLECTOR	WITH REFRACTOR	
HPS	50	40	215°C(T2D)	215°C(T2D)	215°C(T2D)	120°C(T4A)	135°C(T4)	120°C(T4A)	YES	YES	YES	75
	50	55	230°C(T2C)	230°C(T2C)	230°C(T2C)	135°C(T4)	160°C(T3C)	135°C(T4)	YES	YES	YES	90
	50	65	230°C(T2C)	230°C(T2C)	230°C(T2C)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	90
	70	40	260°C(T2B)	260°C(T2B)	230°C(T2C)	120°C(T4A)	135°C(T4)	120°C(T4A)	YES	YES	YES	75
	100	40	280°C(T2A)	280°C(T2A)	280°C(T2A)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	90
	150	40	325°C(T1)	325°C(T1)	325°C(T1)	—	—	160°C(T3C)	NO	NO	YES	110
	150	40	325°C(T1)	325°C(T1)	325°C(T1)	180°C(T3A)	200°C(T3)	—	NO	NO	NO	110
MH	50	40	260°C(T2B)	260°C(T2B)	260°C(T2B)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	90
	50	55	260°C(T2B)	260°C(T2B)	260°C(T2B)	160°C(T3C)	—	160°C(T3C)	YES	—	YES	110
	70	40	325°C(T1)	325°C(T1)	325°C(T1)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	90
MV	50	40	260°C(T2B)	260°C(T2B)	260°C(T2B)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	90
	50	55	260°C(T2B)	260°C(T2B)	260°C(T2B)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	90
	75	40	325°C(T1)	325°C(T1)	325°C(T1)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	90
	100	40	450°C(T1)	450°C(T1)	450°C(T1)	160°C(T3C)	160°C(T3C)	160°C(T3C)	YES	YES	YES	110

① *Verify temperatures for suitability for intended use.*
② *Includes both standard dome and angle reflectors.*
③ *Guard required for Class II, Division 1 and Class III, Division 1 applications.*
④ *Based on luminaire with globe and guard only.*
⑤ *150 watt HPS—Groups E, F only with or without reflector and Groups E, F and G with refractor.*

MB-NR Ex nR RESTRICTED BREATHING DATA① CLASS 1, ZONE 2, IIC,IIB,IIA

LAMP WITH GLOBE			RATED AMBIENT °C	GLOBE OR GLOBE WITH REFLECTOR	SUPPLY WIRE SUITABLE FOR °C
SERIES	TYPE	WATTAGE		UL/CSA	
MBL	HPS	50	40	T6	75
			55	T5	90
			65	T5	90
MBL	HPS	70	40	T5	75
MBL	HPS	100	40	T4	90
MBL	HPS	150	40	T4	110
MBH	MH	50	40	T5	90
MBH	MH	70	40	T4	90
MBK	MV	50	40	T5	90
			55	T5	110
MBK	MV	75	40	T4	90
MBK	MV	100	40	T4	110

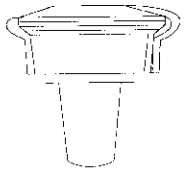
HUBBELL®
KILLARK®

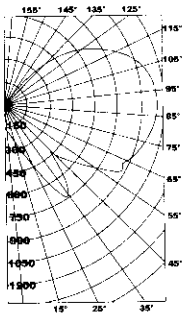
HIGH PRESSURE SODIUM
With Globe Only
50 – 100 Watt Medium Base

CANDLEPOWER–100 WATT
B-17 Clear Lamp
(9500 Lumens)

For CP of a 70 Watt Luminaire multiply by .663;

For a 50 Watt Luminaire multiply by .421





Angle	CP	Angle	CP
0	160	85	1006
5	149	90	1012
15	206	95	1008
25	398	105	955
35	727	115	818
45	430	125	643
55	736	135	289
65	874	145	26
75	955	165	12

Efficiency 88.8%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.76	.70	.65	.70	.65	.60	.59	.55	.51	.48	.45	.42	.39	.36	.34	.30
2	.63	.55	.49	.58	.51	.45	.48	.43	.38	.39	.35	.31	.31	.28	.25	.21
3	.54	.45	.38	.49	.42	.35	.44	.35	.30	.33	.28	.24	.26	.22	.19	.15
4	.46	.37	.31	.43	.34	.28	.35	.29	.24	.28	.23	.19	.22	.18	.15	.11
5	.40	.32	.25	.37	.29	.23	.31	.24	.19	.25	.19	.15	.19	.15	.12	.08
6	.36	.27	.21	.33	.25	.19	.27	.21	.16	.22	.17	.13	.17	.13	.10	.07
7	.32	.23	.18	.19	.21	.16	.24	.18	.13	.19	.14	.11	.15	.11	.08	.05
8	.28	.20	.15	.26	.19	.14	.21	.16	.11	.17	.12	.09	.13	.09	.06	.04
9	.25	.18	.13	.23	.16	.12	.19	.14	.10	.16	.11	.07	.12	.08	.05	.03
10	.23	.16	.11	.21	.14	.10	.17	.12	.08	.14	.09	.06	.11	.07	.04	.02

SPACING TO MOUNTING HEIGHT RATIO–S/MH 3.9

ILLUMINATION ON HORIZONTAL SURFACE

Illumination for 100 Watts HPS
For 70 Watt Mult. by .663
For 50 Watt Mult. by .421

$$FC = \frac{(Candlepower)\ (COS\ 0)}{D^2}$$

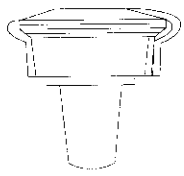
FOOTCANDLE CHART (INITIAL) 100 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

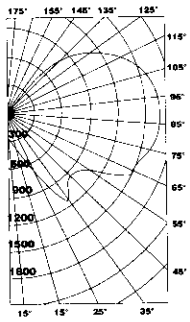
MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'
8'	2.50	5.05	2.38	2.00	1.22	.72	.46	.31	.21	.16	.12
10'	1.60	2.40	2.86	1.53	1.27	.78	.51	.35	.25	.18	.14
12'	1.11	1.42	2.80	1.06	1.01	.82	.54	.38	.28	.20	.15
14'	.82	.98	2.04	1.25	.79	.71	.57	.40	.29	.22	.17
16'	.63	.68	1.26	1.40	.59	.62	.51	.42	.31	.23	.18

Test No. HP-03126

HIGH PRESSURE SODIUM
With Globe Only
150 Watt Medium Base

CANDLEPOWER–150 WATT
B-17 Clear Lamp
(16000 Lumens)





Angle	CP	Angle	CP
0	260	85	1647
5	246	90	1647
15	363	95	1624
25	669	105	1527
35	1126	115	1338
45	968	125	1093
55	1159	135	536
65	1505	145	42
75	1566	165	13

Efficiency 87.7%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.75	.69	.64	.69	.64	.59	.58	.54	.51	.48	.45	.42	.39	.37	.35	.30
2	.63	.55	.48	.58	.51	.45	.48	.43	.38	.39	.35	.31	.31	.28	.25	.21
3	.53	.45	.39	.49	.41	.35	.41	.35	.30	.33	.29	.24	.26	.22	.19	.15
4	.46	.37	.30	.42	.34	.28	.36	.29	.24	.28	.23	.19	.22	.18	.15	.12
5	.40	.31	.25	.37	.29	.23	.31	.24	.19	.25	.20	.15	.19	.15	.12	.09
6	.35	.27	.21	.32	.25	.19	.27	.21	.16	.22	.17	.13	.17	.13	.10	.07
7	.31	.23	.17	.29	.21	.16	.24	.18	.13	.19	.14	.11	.15	.11	.08	.06
8	.28	.20	.15	.26	.18	.13	.21	.15	.11	.17	.12	.09	.13	.10	.07	.04
9	.25	.18	.13	.23	.16	.12	.19	.14	.09	.16	.11	.07	.12	.08	.05	.03
10	.22	.15	.10	.21	.14	.10	.17	.12	.08	.14	.09	.06	.11	.07	.04	.02

SPACING TO MOUNTING HEIGHT RATIO–S/MH 4.0

ILLUMINATION ON HORIZONTAL SURFACE

$$FC = \frac{(Candlepower)\ (COS\ 0)}{D^2}$$

FOOTCANDLE CHART (INITIAL) 150 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'
8'	4.06	9.50	5.35	3.20	2.03	1.21	.75	.51	.35	.25	.19
10'	2.60	4.40	5.00	2.60	1.66	1.30	.86	.58	.41	.30	.23
12'	1.81	2.67	4.40	2.38	1.54	1.23	.90	.64	.46	.33	.26
14'	1.33	1.91	3.37	2.29	1.38	1.12	.86	.66	.50	.37	.28
16'	1.02	1.07	2.38	2.20	1.34	.95	.81	.64	.51	.40	.30

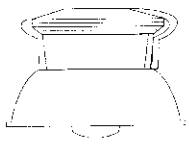
Test No. HP-03128

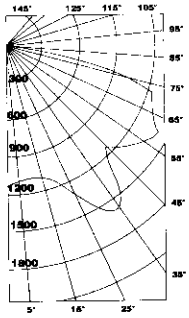
HIGH PRESSURE SODIUM
With Globe and Dome Reflector
50 – 100 Watt Medium Base

CANDLEPOWER–100 WATT
B-17 Clear Lamp
(9500 Lumens)

For CP of a 70 Watt Luminaire multiply by .663;

For a 50 Watt Luminaire multiply by .421





Angle	CP	Angle	CP
0	1127	85	103
5	1084	90	34
15	1104	95	25
25	1288	105	32
35	1561	115	136
45	1154	125	18
55	1352	135	15
65	1316	145	13
75	980	165	10

Efficiency 71.5%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.72	.69	.65	.70	.67	.64	.68	.64	.61	.63	.61	.59	.60	.58	.57	.55
2	.61	.56	.51	.60	.54	.50	.57	.43	.48	.54	.50	.47	.51	.46	.45	.44
3	.52	.46	.41	.51	.45	.40	.49	.35	.39	.46	.42	.38	.44	.40	.37	.35
4	.45	.38	.33	.44	.37	.32	.42	.29	.32	.40	.35	.31	.38	.34	.30	.28
5	.39	.32	.27	.38	.32	.27	.37	.24	.26	.35	.30	.26	.33	.29	.25	.23
6	.35	.28	.23	.34	.28	.23	.33	.21	.22	.31	.26	.22	.30	.25	.21	.20
7	.31	.24	.19	.30	.24	.19	.29	.18	.19	.28	.22	.18	.26	.22	.18	.18
8	.28	.21	.16	.27	.21	.16	.26	.16	.16	.25	.19	.16	.23	.19	.15	.14
9	.25	.19	.14	.24	.18	.14	.19	.23	.14	.22	.17	.14	.21	.17	.13	.12
10	.22	.16	.11	.21	.15	.11	.17	.20	.11	.20	.15	.11	.19	.14	.11	.09

SPACING TO MOUNTING HEIGHT RATIO–S/MH 1.7

ILLUMINATION ON HORIZONTAL SURFACE

Illumination for 100 Watts HPS
For 70 Watt Mult. by .663
For 50 Watt Mult. by .421

$$FC = \frac{(Candlepower)\ (COS\ 0)}{D^2}$$

FOOTCANDLE CHART (INITIAL) 100 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

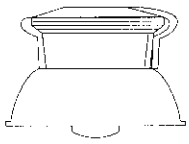
MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'
8'	17.34	14.53	6.35	3.60	1.66	1.04	.63	.32	.21	.14	.04
10'	11.10	9.30	6.43	3.25	2.08	1.21	.74	.49	.33	.19	.13
12'	7.70	6.52	6.36	2.82	1.99	1.32	.82	.55	.38	.27	.20
14'	5.66	4.99	5.01	3.01	1.99	1.30	.91	.63	.42	.37	.23
16'	4.34	3.92	3.63	3.12	1.59	1.19	.87	.67	.46	.34	.25

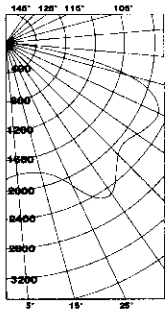
Test No. HP-03125

HUBBELL®
KILLARK®

HIGH PRESSURE SODIUM
With Globe and Dome Reflector
150 Watt Medium Base

CANDLEPOWER–150 WATT
B-17 Clear Lamp
(16000 Lumens)





Angle	CP	Angle	CP
0	1832	85	178
5	1772	90	48
15	1825	95	35
25	2108	105	44
35	2461	115	204
45	2155	125	40
55	2163	135	18
65	2271	145	16
75	1613	165	11

Efficiency 70.8%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.71	.66	.64	.69	.66	.63	.66	.63	.61	.63	.60	.58	.60	.58	.56	.55
2	.61	.55	.50	.59	.54	.49	.56	.52	.48	.56	.50	.46	.51	.48	.45	.43
3	.52	.45	.40	.51	.46	.40	.48	.43	.39	.46	.41	.36	.44	.40	.37	.35
4	.45	.38	.32	.44	.37	.32	.41	.36	.31	.39	.34	.30	.38	.33	.30	.28
5	.39	.32	.27	.38	.31	.26	.36	.30	.26	.34	.29	.25	.33	.28	.25	.23
6	.35	.28	.22	.34	.27	.22	.32	.26	.22	.31	.25	.21	.29	.25	.21	.19
7	.31	.24	.19	.30	.23	.19	.29	.23	.18	.27	.22	.18	.26	.21	.18	.16
8	.27	.21	.16	.27	.20	.16	.25	.20	.16	.24	.19	.15	.23	.19	.15	.14
9	.25	.18	.14	.24	.18	.14	.23	.17	.14	.22	.17	.13	.21	.17	.13	.12
10	.21	.15	.11	.21	.15	.11	.20	.15	.11	.19	.14	.11	.18	.14	.11	.09

SPACING TO MOUNTING HEIGHT RATIO–S/MH 1.8
ILLUMINATION ON HORIZONTAL SURFACE

$$FC = \frac{(Candlepower)\ (COS\ 0)}{D^2}$$

FOOTCANDLE CHART (INITIAL) 150 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'
8'	28.83	24.60	11.90	5.81	3.18	1.76	1.04	.55	.36	.15	.11
10'	18.32	15.61	11.31	5.49	3.28	2.03	1.25	.81	.56	.33	.23
12'	12.72	10.67	9.90	5.29	3.15	2.10	1.41	.96	.64	.46	.34
14'	9.35	8.30	8.01	5.02	3.05	2.08	1.45	1.04	.75	.53	.39
16'	7.16	6.49	6.15	4.86	2.96	2.00	1.45	1.06	.79	.59	.44

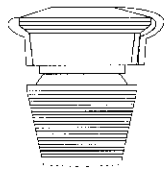
Test No. HP-03130

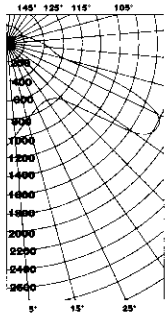
HIGH PRESSURE SODIUM
With Type V 8" Refractor
50 – 100 Watt Medium Base

CANDLEPOWER–100 WATT
B-17 Clear Lamp
(9500 Lumens)

For CP of a 70 watt luminaire multiply by .663;

For a 50 watt luminaire multiply by .421





Angle	CP	Angle	CP
0	1078	85	457
5	980	90	391
15	801	95	342
25	742	105	235
35	735	115	165
45	846	125	140
55	1556	135	104
65	1729	145	61
75	698	165	29

Efficiency 75.6%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.72	.67	.64	.69	.65	.61	.64	.60	.57	.59	.56	.54	.54	.52	.50	.48
2	.60	.54	.49	.58	.52	.47	.53	.49	.44	.49	.45	.42	.45	.42	.39	.37
3	.51	.44	.38	.49	.42	.37	.45	.39	.35	.41	.37	.33	.38	.34	.31	.28
4	.43	.35	.29	.41	.34	.28	.38	.32	.27	.35	.30	.25	.32	.27	.24	.21
5	.37	.29	.23	.35	.24	.22	.33	.26	.21	.30	.24	.20	.27	.22	.19	.17
6	.33	.25	.19	.31	.24	.19	.29	.22	.17	.26	.21	.16	.24	.19	.15	.13
7	.29	.21	.16	.27	.20	.15	.25	.19	.14	.23	.18	.14	.21	.16	.13	.00
8	.25	.18	.13	.24	.18	.13	.22	.16	.12	.21	.15	.11	.19	.14	.11	.09
9	.23	.16	.12	.22	.16	.11	.21	.15	.11	.19	.14	.10	.17	.13	.09	.08
10	.21	.14	.10	.20	.14	.09	.18	.13	.09	.17	.12	.08	.16	.11	.08	.06

SPACING TO MOUNTING HEIGHT RATIO–S/MH 1.0
ILLUMINATION ON HORIZONTAL SURFACE

Illumination for 100 Watts HPS
For 70 Watt Mult. by .663
For 50 Watt Mult. by .421

$$FC = \frac{(Candlepower)\ (COS\ 0)}{D^2}$$

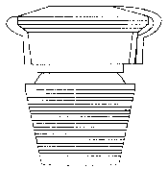
FOOTCANDLE CHART (INITIAL) 100 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

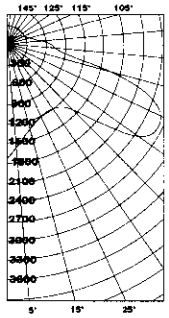
MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'
8'	16.84	8.25	4.57	4.40	2.49	1.20	.52	.24	.16	.09	.06
10'	10.78	6.12	3.57	2.75	2.62	1.59	.86	.47	.24	.14	.08
12'	7.49	4.62	2.94	2.08	2.10	1.70	1.11	.66	.39	.24	.13
14'	5.50	3.61	2.41	1.70	1.49	1.49	1.19	.81	.53	.34	.20
16'	4.21	2.89	2.06	1.48	1.17	1.04	1.10	.87	.63	.43	.29

Test No. HP-03127

HIGH PRESSURE SODIUM
With Type V 8" Refractor
150 Watt Medium Base

CANDLEPOWER–150 WATT
B-17 Clear Lamp
(16000 Lumens)





Angle	CP	Angle	CP
0	1707	85	804
5	1555	90	672
15	1274	95	589
25	1180	105	385
35	1174	115	271
45	1389	125	228
55	2381	135	169
65	2576	145	95
75	1775	165	43

Efficiency 75.4%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.71	.66	.62	.68	.64	.60	.63	.59	.56	.58	.55	.52	.53	.51	.49	.46
2	.59	.52	.46	.56	.50	.45	.52	.47	.42	.48	.43	.40	.44	.40	.37	.35
3	.50	.42	.36	.47	.40	.35	.44	.38	.33	.40	.35	.31	.36	.32	.29	.26
4	.42	.34	.28	.40	.33	.27	.37	.30	.25	.34	.28	.24	.31	.26	.22	.20
5	.36	.28	.22	.35	.27	.21	.32	.25	.20	.29	.23	.19	.26	.22	.18	.16
6	.32	.24	.18	.30	.23	.18	.28	.22	.17	.26	.20	.16	.23	.18	.15	.13
7	.28	.21	.15	.27	.20	.15	.25	.18	.14	.23	.17	.13	.21	.16	.12	.10
8	.25	.18	.13	.24	.17	.12	.22	.16	.12	.20	.15	.11	.18	.14	.10	.08
9	.23	.16	.11	.22	.15	.11	.20	.14	.10	.18	.13	.09	.17	.12	.09	.07
10	.20	.14	.09	.20	.13	.09	.18	.12	.08	.17	.11	.08	.15	.11	.07	.06

SPACING TO MOUNTING HEIGHT RATIO–S/MH 1.0
ILLUMINATION ON HORIZONTAL SURFACE

$$FC = \frac{(Candlepower)\ (COS\ 0)}{D^2}$$

FOOTCANDLE CHART (INITIAL) 150 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'
8'	28.67	12.86	7.67	6.40	3.63	2.00	1.06	.62	.39	.22	.14
10'	17.07	9.60	5.71	4.67	3.84	2.33	1.42	.88	.58	.36	.25
12'	11.85	7.41	4.68	3.41	3.23	2.46	1.61	1.08	.69	.47	.34
14'	8.71	5.78	3.88	2.75	2.48	2.29	1.70	1.19	.84	.60	.42
16'	6.67	4.64	3.21	2.40	1.92	1.90	1.60	1.24	.91	.67	.50

Test No. HP-03129

HUBBELL®
KILLARK®

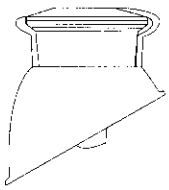
HIGH PRESSURE SODIUM
With Globe and 30° Angle Reflector

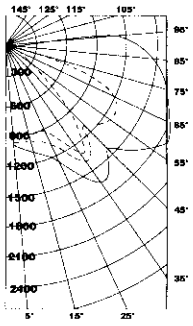
50 – 100 Watt Medium Base

CANDLEPOWER–100 WATT
B-17 Clear Lamp
(9500 Lumens)

For CP of a 70 Watt Luminaire multiply by .663;

For a 50 Watt Luminaire multiply by .421





Angle	Front	Side	Back
0	1081	1001	1001
5	1021	972	930
15	1118	986	897
25	1322	1114	976
35	1646	1366	1272
45	1437	1071	670
55	1776	1214	135
65	1752	1162	21
75	1629	284	24
85	1462	47	32
90	1353	15	41
95	1176	15	44
105	132	14	207

Efficiency 67.4%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.65	.61	.58	.63	.59	.56	.59	.56	.53	.55	.53	.51	.52	.50	.48	.46
2	.56	.50	.45	.54	.49	.44	.51	.46	.43	.47	.44	.41	.45	.42	.39	.37
3	.48	.42	.37	.47	.41	.36	.44	.39	.35	.41	.37	.34	.39	.35	.32	.31
4	.42	.35	.30	.41	.35	.30	.38	.33	.29	.36	.31	.28	.34	.30	.27	.25
5	.37	.30	.25	.36	.30	.25	.34	.28	.24	.32	.27	.23	.30	.26	.23	.21
6	.33	.26	.22	.32	.26	.21	.30	.25	.21	.28	.24	.20	.27	.23	.19	.18
7	.29	.23	.18	.28	.22	.18	.27	.21	.17	.25	.21	.17	.24	.20	.16	.15
8	.25	.20	.15	.25	.19	.15	.24	.19	.15	.23	.18	.14	.21	.17	.14	.13
9	.23	.17	.13	.23	.17	.13	.22	.16	.13	.20	.16	.12	.19	.15	.12	.11
10	.21	.15	.11	.20	.14	.11	.19	.14	.10	.18	.13	.10	.17	.13	.10	.08

SPACING TO MOUNTING HEIGHT RATIO–S/MH 1.8

ILLUMINATION ON HORIZONTAL SURFACE

Illumination for 100 Watts HPS
For 70 Watt Mult. by .663
For 50 Watt Mult. by .421

$$FC = \frac{\text{(Candlepower) (COS 0)}}{D^2}$$

FOOTCANDLE CHART (INITIAL) 100 WATT
HORIZONTAL DISTANCE FROM SOURCE (FRONT) IN FT.

MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'
8'	15.64	15.37	7.94	4.80	2.51	1.37
10'	10.01	9.77	7.28	4.23	2.75	1.61
12'	6.95	6.82	6.56	3.53	2.51	1.75
14'	5.11	5.10	5.18	3.35	2.33	1.71
16'	3.91	3.92	3.84	3.25	1.98	1.57

FOOTCANDLE CHART (INITIAL) 100 WATT
HORIZONTAL DISTANCE FROM SOURCE (SIDE) IN FT.

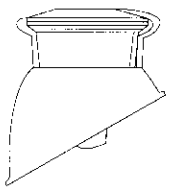
MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'
8'	15.64	13.14	5.92	3.25	1.66	.82
10'	10.01	8.24	5.98	3.09	1.86	1.07
12'	6.95	5.93	5.46	2.63	1.77	1.19
14'	5.11	4.47	4.27	2.62	1.66	1.17
16'	3.91	3.50	3.26	2.70	1.48	1.12

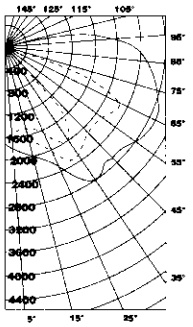
Test No. HP-03124

HIGH PRESSURE SODIUM
With Globe and 30° Angle Reflector

150 Watt Medium Base

CANDLEPOWER–150 WATT
B-17 Clear Lamp
(16000 Lumens)





Angle	Front	Side	Back
0	1649	1649	1649
5	1722	1615	1519
15	1918	1684	1452
25	2229	1926	1602
35	2777	2297	1948
45	2683	2110	1260
55	2837	2122	209
65	2943	2237	28
75	2802	607	30
85	2508	82	47
90	2296	21	54
95	1969	19	59
105	336	19	297

Efficiency 67.6%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.65	.61	.58	.63	.60	.58	.59	.56	.54	.56	.53	.51	.52	.50	.49	.47
2	.56	.50	.46	.54	.49	.45	.51	.47	.43	.48	.41	.44	.45	.42	.39	.37
3	.48	.42	.37	.47	.41	.37	.44	.39	.35	.41	.37	.34	.39	.35	.33	.31
4	.42	.35	.30	.41	.35	.30	.38	.33	.29	.36	.32	.28	.34	.30	.27	.25
5	.37	.30	.25	.36	.30	.25	.34	.28	.24	.32	.27	.23	.30	.26	.23	.21
6	.33	.26	.22	.32	.26	.21	.30	.25	.21	.28	.24	.20	.27	.23	.19	.18
7	.29	.23	.18	.28	.22	.18	.27	.21	.17	.25	.21	.17	.24	.20	.16	.15
8	.25	.20	.15	.25	.19	.15	.24	.19	.15	.23	.18	.14	.21	.17	.14	.13
9	.23	.17	.13	.23	.17	.13	.22	.16	.13	.20	.16	.12	.19	.15	.12	.11
10	.20	.15	.11	.20	.14	.11	.19	.14	.10	.19	.13	.10	.17	.13	.10	.08

SPACING TO MOUNTING HEIGHT RATIO–S/MH 1.9

ILLUMINATION ON HORIZONTAL SURFACE

$$FC = \frac{\text{(Candlepower) (COS 0)}}{D^2}$$

FOOTCANDLE CHART (INITIAL) 150 WATT
HORIZONTAL DISTANCE FROM SOURCE (FRONT) IN FT.

MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'
8'	25.77	25.71	14.82	7.57	4.11	2.33
10'	16.49	16.61	13.14	7.12	4.22	2.63
12'	11.45	11.36	11.04	6.59	28.00	2.73
14'	8.41	8.84	8.60	6.05	3.91	2.73
16'	6.44	6.78	6.43	5.52	3.71	2.59

FOOTCANDLE CHART (INITIAL) 150 WATT
HORIZONTAL DISTANCE FROM SOURCE (SIDE) IN FT.

MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'
8'	25.77	22.47	11.86	5.66	3.13	1.36
10'	16.49	14.29	10.71	5.46	3.16	2.00
12'	11.45	10.09	9.19	5.18	3.11	2.09
14'	8.41	7.64	7.38	4.87	3.04	2.04
16'	6.44	6.01	5.62	4.55	2.91	1.98

Test No. HP-03131

MERCURY VAPOR & METAL HALIDE
With Globe Only

50 – 100 Watt Medium Base

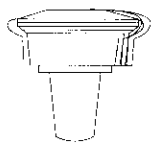
CANDLEPOWER–100 WATT MV
B-17 Clear Lamp
(4400 Lumens)

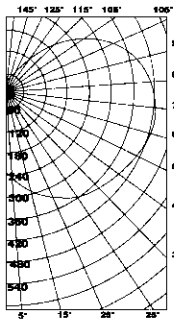
For CP of a 75 Watt MV Luminaire multiply by .636;

For a 50 Watt MV Luminaire multiply by .359

For a 50 Watt MH Luminaire multiply by .77;

For a 70 Watt MH Luminaire multiply by 1.36





Angle	CP	Angle	CP
0	237	85	429
5	240	90	420
15	283	95	407
25	326	105	377
35	355	115	322
45	376	125	244
55	397	135	154
65	413	145	57
75	429	165	15

Efficiency 91.1%

COEFFICIENTS OF UTILIZATIO-ZONAL CAVITY

% Effective Ceiling Cavity Reflectance rcc	80			70			50			30			10			0
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
1	.90	.74	.69	.74	.69	.65	.64	.60	.56	.54	.51	.48	.46	.43	.41	.38
2	.67	.60	.53	.63	.56	.50	.54	.48	.43	.45	.41	.37	.37	.34	.35	.27
3	.58	.49	.42	.54	.46	.40	.46	.40	.35	.39	.34	.30	.32	.28	.25	.21
4	.50	.41	.34	.47	.38	.32	.40	.33	.28	.33	.28	.24	.27	.23	.20	.17
5	.44	.35	.28	.41	.33	.27	.35	.29	.23	.29	.24	.20	.24	.20	.16	.13
6	.39	.30	.24	.36	.28	.23	.31	.25	.20	.26	.21	.17	.22	.17	.14	.11
7	.35	.26	.20	.32	.25	.19	.28	.21	.17	.23	.18	.14	.19	.15	.12	.09
8	.31	.23	.17	.28	.21	.16	.25	.19	.14	.21	.16	.12	.17	.13	.10	.08
9	.28	.20	.15	.26	.19	.14	.22	.16	.12	.19	.14	.10	.16	.12	.09	.06
10	.25	.18	.13	.23	.16	.12	.20	.14	.10	.17	.12	.08	.14	.10	.07	.05

SPACING TO MOUNTING HEIGHT RATIO–S/MH 2.2

ILLUMINATION ON HORIZONTAL SURFACE

Illumination for 100 Watts MV
See above for other values

$$FC = \frac{\text{(Candlepower) (COS 0)}}{D^2}$$

FOOTCANDLE CHART (INITIAL) 100 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

MOUNTING HEIGHT	0'	4'	8'	12'	16'	20'	24'	28'	32'	36'	40'
8'	3.75	3.83	2.10	1.06	.59	.34	.21	.14	.10	.07	.05
10'	2.40	2.56	1.71	1.01	.60	.37	.24	.16	.11	.08	.06
12'	1.67	1.78	1.40	.92	.59	.38	.25	.18	.13	.10	.07
14'	1.22	1.27	1.11	.82	.56	.38	.26	.19	.14	.10	.08
16'	.94	.98	.92	.72	.52	.37	.27	.19	.14	.11	.08

Test No. HP-03138

HUBBELL
KILLARK

MERCURY VAPOR & METAL HALIDE
With Globe and Dome Reflector

50 – 100 Watt Medium Base

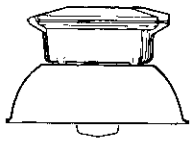
CANDLEPOWER–100 WATT MV
B-17 Clear Lamp
(4400 Lumens)

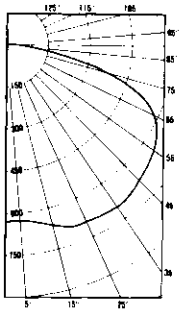
For CP of a 75 Watt MV Luminaire multiply by .636;

For a 50 Watt MV Luminaire multiply by .359;

For a 50 Watt MH Luminaire multiply by .77;

For a 70 Watt MH Luminaire multiply by 1.36





Angle	CP	Angle	CP
0	627	85	75
5	627	90	27
15	662	95	22
25	690	105	26
35	698		
45	676		
55	646		
65	580		
75	366		

Efficiency 75.0%

COEFFICIENTS OF UTILIZATION-ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
1	76	72	69	74	70	67	70	67	65	66	64	62	63	61	63	58
2	65	60	55	63	58	54	60	56	52	57	54	50	53	51	45	47
3	57	50	45	55	49	44	52	47	43	50	45	42	48	44	41	39
4	49	42	37	48	41	36	45	40	35	43	38	34	41	37	34	32
5	43	36	31	42	35	30	38	34	29	38	33	29	39	32	28	26
6	38	31	26	37	31	26	36	30	25	34	29	25	33	28	24	23
7	34	27	22	33	27	22	32	26	22	30	25	21	29	24	21	19
8	31	24	19	30	23	19	29	23	19	27	22	18	93	21	18	16
9	28	21	17	27	21	16	26	20	14	25	20	16	24	19	16	14
10	24	18	13	24	18	13	23	18	13	22	17	13	21	16	13	11

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.7

ILLUMINATION ON HORIZONTAL SURFACE

Illumination for 100 Watts MV
See above for other values

$$FC = \frac{(Candlepower)\ (COS\ \theta)}{D^2}$$

FOOTCANDLE CHART (INITIAL) 100 WATT

HORIZONTAL DISTANCE FROM SOURCE IN FT

MOUNTING HEIGHT FT	0	4	8	12	16	20	24	28	32	36	40
8	9 80	7 73	3 73	1 69	84	41	27	12	07	04	02
10	6 27	5 49	3 30	1 73	94	58	31	19	15	07	06
12	4 35	4 03	2 76	1 66	98	59	37	24	15	10	07
14	3 20	3 01	2 32	1 55	97	62	40	27	18	13	09
16	3 19	2 26	1 93	1 39	93	63	43	30	20	15	10

Test No. HP-03139

MERCURY VAPOR & METAL HALIDE
With Type V 8" Refractor

50 – 100 Watt Medium Base

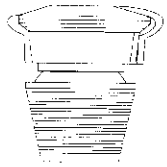
CANDLEPOWER–100 WATT MV
B-17 Clear Lamp
(4400 Lumens)

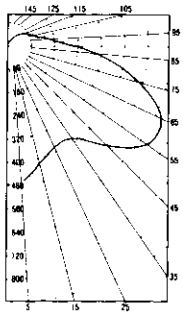
For CP of a 75 Watt MV Luminaire multiply by .636;

For a 50 Watt MV Luminaire multiply by .359;

For a 50 Watt MH Luminaire multiply by .77;

For a 70 Watt MH Luminaire multiply by 1.36





Angle	CP	Angle	CP
0	475	85	304
5	470	90	226
15	418	95	169
25	382	105	112
35	385	115	86
45	479	125	75
55	583	135	58
65	579	145	38
75	457	165	14

Efficiency 77.4%

COEFFICIENTS OF UTILIZATION-ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
1	72	67	63	69	65	61	63	60	57	58	55	53	53	51	49	46
2	61	54	48	58	52	46	53	48	43	49	44	41	44	41	38	35
3	52	44	38	49	42	37	45	39	34	41	36	32	38	34	30	28
4	44	36	30	42	35	29	39	32	27	35	30	26	32	28	24	22
5	38	30	25	37	29	24	34	27	22	31	25	21	28	23	20	17
6	34	26	21	33	25	20	30	24	19	27	22	18	25	20	16	14
7	30	23	17	29	22	17	27	20	16	24	19	15	22	18	14	12
8	27	20	15	26	19	14	24	18	13	22	16	13	20	15	12	10
9	24	17	13	23	17	12	22	16	12	20	15	11	18	14	10	09
10	22	15	11	21	15	10	19	14	10	18	13	09	16	12	08	07

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.2

ILLUMINATION OF HORIZONTAL SURFACE

Illumination for 100 Watts MV
See above for other values

$$FC = \frac{(Candlepower)\ (COS\ \theta)}{D^2}$$

FOOTCANDLE CHART (INITIAL) 100 WATT

HORIZONTAL DISTANCE FROM SOURCE IN FT

MOUNTING HEIGHT FT	0	4	8	12	16	20	24	28	32	36	40
8	7 42	4 25	2 65	1 57	82	44	25	15	10	06	04
10	4 75	3 14	1 95	1 42	98	52	33	20	13	09	06
12	3 30	2 40	1 52	1 18	86	56	36	23	16	13	08
14	2 42	1 86	1 25	95	77	56	39	27	19	13	09
16	1 86	1 52	1 06	79	66	52	39	28	20	15	11

Test No. HP-03141

MERCURY VAPOR & METAL HALIDE
With Globe and 30° Angle Reflector

50 – 100 Watt Medium Base

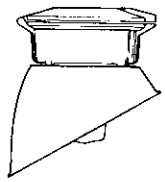
CANDLEPOWER–100 WATT MV
B-17 Clear Lamp
(4400 Lumens)

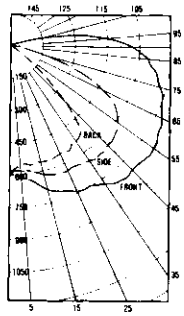
For CP of a 75 Watt Luminaire multiply by .636;

For a 50 Watt MV Luminaire multiply by .359;

For a 50 Watt MH Luminaire multiply by .77;

For a 70 Watt MH Luminaire multiply by 1.36





Angle	Front	Side	Back
0	588	588	588
5	608	585	559
15	687	615	558
25	740	634	552
35	774	646	535
45	806	644	348
55	818	611	63
65	778	470	17
75	716	167	19
85	638	25	22
90	561	16	30
95	439	12	37
105	127	10	69

Efficiency 72.5%

COEFFICIENTS OF UTILIZATION-ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
1	71	67	63	68	65	62	64	61	58	60	58	56	56	55	53	51
2	61	55	51	59	54	49	55	51	47	52	48	45	49	46	43	41
3	53	47	42	52	46	41	49	44	39	46	41	38	43	39	36	34
4	47	40	35	45	39	34	43	37	33	40	35	32	38	34	31	29
5	41	34	29	40	34	29	38	32	28	36	31	27	34	29	26	24
6	37	30	25	36	29	25	34	28	24	32	27	23	30	26	23	21
7	33	26	22	32	26	21	30	25	21	29	24	20	27	23	19	18
8	29	23	18	29	23	18	27	22	18	26	21	17	24	20	17	15
9	27	20	16	26	20	16	25	19	15	23	19	15	22	18	15	13
10	23	17	13	23	14	11	19	14	10	18	13	10	17	13	10	08

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.6

ILLUMINATION OF HORIZONTAL SURFACE

Illumination for 100 Watts MV
See above for other values

$$FC = \frac{(Candlepower)\ (COS\ \theta)}{D^2}$$

FOOTCANDLE CHART (Initial) 100 WATT

HORIZONTAL DISTANCE FROM SOURCE (Front) IN FT

MOUNTING HEIGHT FT	0	4	8	12	16	20
8	9 19	8 27	4 45	2 18	1 09	61
10	5 88	5 72	3 61	2 14	1 16	70
12	4 08	4 18	3 06	1 98	1 21	75
14	3 00	3 17	2 49	1 80	1 18	79
16	2 30	2 45	2 07	1 56	1 11	78

FOOTCANDLE CHART (Initial) 100 WATT

HORIZONTAL DISTANCE FROM SOURCE (Side) IN FT

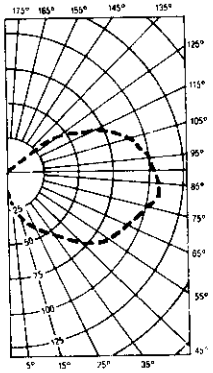
MOUNTING HEIGHT FT	0	4	8	12	16	20
8	9 19	7 12	3 56	1 61	73	27
10	5 88	5 08	2 98	1 67	85	47
12	4 08	3 65	2 56	1 58	92	53
14	3 00	2 77	2 11	1 45	93	59
16	2 30	2 19	1 76	1 30	89	60

Test No. HP-03140

HUBBELL
KILLARK®

FLUORESCENT
With Globe Only—13 Watt

CANDLEPOWER —13 WATT
(900 Lumens
One Lamp)



ANGLE	CP	ANGLE	CP
0.00	15.0	90.00	104.0
5.00	15.0	95.00	99.0
10.00	21.0	100.00	92.0
15.00	29.0	105.00	84.0
20.00	35.0	110.00	74.0
25.00	41.0	115.00	64.0
30.00	47.0	120.00	54.0
35.00	55.0	125.00	44.0
40.00	63.0	130.00	32.0
45.00	75.0	135.00	22.0
50.00	78.0	140.00	14.0
55.00	84.0	145.00	7.0
60.00	84.0	150.00	2.0
65.00	92.0	155.00	1.0
70.00	96.0	160.00	1.0
75.00	102.0	165.00	1.0
80.00	110.0	170.00	0.0
85.00	107.0	175.00	0.0

Efficiency 92.4%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE rcc	80			70			50			30			10			0
% WALL REFLECTANCE rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	1.01	1.01	1.01	.95	.95	.95	.83	.83	.83	.72	.72	.72	.62	.62	.62	.57
1	.80	.74	.69	.75	.69	.65	.64	.60	.56	.54	.51	.48	.45	.43	.40	.36
2	.66	.58	.51	.61	.54	.47	.52	.46	.41	.44	.39	.35	.36	.32	.29	.25
3	.55	.47	.40	.52	.44	.37	.44	.38	.32	.37	.32	.27	.30	.26	.22	.18
4	.49	.39	.32	.45	.37	.30	.38	.31	.26	.32	.26	.22	.26	.21	.18	.14
5	.42	.33	.26	.39	.30	.24	.33	.26	.20	.27	.21	.17	.22	.17	.14	.10
6	.37	.28	.21	.34	.26	.20	.29	.22	.17	.24	.18	.14	.19	.15	.11	.08
7	.33	.24	.18	.30	.22	.17	.26	.19	.14	.21	.16	.11	.17	.12	.09	.06
8	.29	.21	.15	.27	.19	.14	.23	.16	.12	.19	.14	.10	.15	.11	.07	.05
9	.26	.18	.13	.24	.17	.12	.21	.14	.10	.17	.12	.08	.14	.09	.06	.04
10	.24	.16	.11	.22	.15	.10	.19	.13	.09	.15	.10	.07	.12	.08	.05	.03

SPACING CRITERIA: ADJACENT = 4.1
DIAGONAL = 2.9

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (INITIAL) 13 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

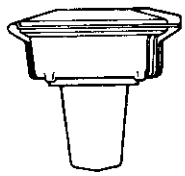
MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'	20'	24'	28'
8'	.23	.46	.41	.22	.12	.07	.05	.03
10'	.15	.28	.28	.20	.13	.08	.06	.04
12'	.10	.19	.21	.18	.12	.08	.06	.04
14'	.08	.13	.16	.14	.11	.08	.06	.04
16'	.06	.10	.11	.11	.10	.07	.06	.04

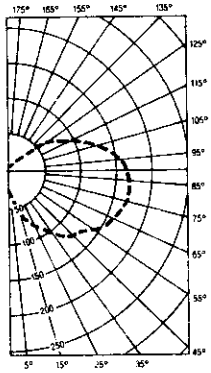
$$FC = \frac{(CANDLEPOWER)(\cos \theta)}{D^2}$$

Test No. 5659.1

FLUORESCENT
With Globe Only—26 Watt

CANDLEPOWER —26 WATT
(1800 Lumens
Two Lamps)





ANGLE	CP	ANGLE	CP
0.00	32.0	90.00	164.0
5.00	37.0	95.00	155.0
10.00	48.0	100.00	145.0
15.00	58.0	105.00	131.0
20.00	70.0	110.00	116.0
25.00	80.0	115.00	100.0
30.00	91.0	120.00	83.0
35.00	104.0	125.00	66.0
40.00	117.0	130.00	49.0
45.00	129.0	135.00	34.0
50.00	137.0	140.00	21.0
55.00	146.0	145.00	14.0
60.00	152.0	150.00	7.0
65.00	159.0	155.00	5.0
70.00	165.0	160.00	4.0
75.00	170.0	165.00	3.0
80.00	173.0	170.00	0.0
85.00	171.0	175.00	0.0

Efficiency 76.7%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE rcc	80			70			50			30			10			0
% WALL REFLECTANCE rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	.85	.85	.85	.79	.79	.79	.70	.70	.70	.61	.61	.61	.53	.53	.53	.49
1	.67	.62	.58	.63	.58	.54	.54	.51	.48	.46	.44	.41	.39	.37	.35	.31
2	.56	.49	.43	.52	.45	.40	.44	.39	.35	.37	.33	.30	.31	.28	.25	.22
3	.47	.40	.34	.44	.37	.31	.38	.32	.27	.32	.27	.23	.26	.23	.20	.16
4	.41	.33	.27	.38	.31	.25	.32	.27	.22	.27	.23	.19	.22	.19	.16	.13
5	.35	.28	.22	.33	.26	.20	.28	.22	.18	.23	.19	.15	.19	.15	.12	.10
6	.31	.23	.18	.29	.22	.17	.25	.19	.14	.21	.16	.12	.17	.13	.10	.07
7	.28	.20	.15	.26	.19	.14	.22	.18	.12	.18	.14	.10	.15	.11	.08	.06
8	.25	.18	.13	.23	.16	.12	.20	.14	.10	.16	.12	.08	.13	.09	.07	.05
9	.22	.16	.11	.21	.14	.10	.18	.12	.09	.15	.10	.07	.12	.08	.05	.04
10	.20	.14	.10	.19	.13	.09	.16	.11	.07	.13	.09	.06	.11	.07	.05	.03

SPACING CRITERIA: ADJACENT = 3.8
DIAGONAL = 2.7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (INITIAL) 26 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

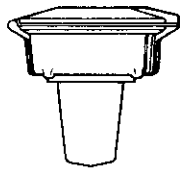
MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'	20'	24'	28'
8'	.50	.92	.71	.39	.22	.13	.08	.05
10'	.32	.58	.53	.36	.22	.14	.09	.06
12'	.22	.38	.39	.32	.21	.14	.10	.07
14'	.16	.27	.30	.27	.19	.14	.10	.07
16'	.13	.20	.23	.22	.18	.13	.10	.07

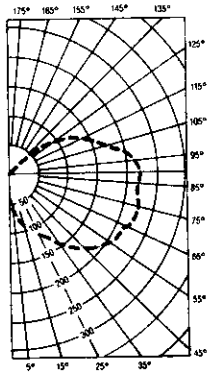
$$FC = \frac{(CANDLEPOWER)(\cos \theta)}{D^2}$$

Test No. 5658.0

FLUORESCENT
With Globe Only—39 Watt

CANDLEPOWER —39 WATT
(2700 Lumens
Three Lamps)





ANGLE	CP	ANGLE	CP
0.00	46.0	90.00	222.0
5.00	55.0	95.00	212.0
10.00	70.0	100.00	198.0
15.00	88.0	105.00	181.0
20.00	104.0	110.00	160.0
25.00	117.0	115.00	139.0
30.00	132.0	120.00	116.0
35.00	148.0	125.00	93.0
40.00	165.0	130.00	71.0
45.00	181.0	135.00	51.0
50.00	193.0	140.00	32.0
55.00	204.0	145.00	15.0
60.00	210.0	150.00	8.0
65.00	216.0	155.00	3.0
70.00	224.0	160.00	2.0
75.00	230.0	165.00	4.0
80.00	233.0	170.00	0.0
85.00	232.0	175.00	0.0

Efficiency 70.6%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE rcc	80			70			50			30			10			0
% WALL REFLECTANCE rw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	.78	.78	.78	.73	.73	.73	.64	.64	.64	.56	.56	.56	.48	.48	.48	.45
1	.62	.58	.54	.58	.54	.50	.50	.47	.44	.43	.40	.38	.38	.36	.34	.33	.29
2	.51	.45	.40	.48	.42	.37	.41	.36	.32	.35	.31	.28	.29	.26	.24	.20
3	.44	.37	.31	.41	.34	.29	.35	.30	.25	.29	.25	.22	.24	.21	.18	.15
4	.38	.31	.25	.35	.29	.24	.30	.25	.21	.25	.21	.18	.21	.17	.15	.12
5	.33	.26	.20	.30	.24	.19	.26	.21	.16	.22	.17	.14	.18	.14	.11	.09
6	.29	.22	.17	.27	.20	.16	.23	.17	.14	.19	.15	.11	.16	.12	.09	.07
7	.26	.19	.14	.24	.18	.13	.20	.15	.11	.17	.13	.09	.14	.10	.08	.06
8	.23	.16	.12	.21	.15	.11	.18	.13	.10	.15	.11	.08	.12	.09	.06	.05
9	.21	.14	.10	.19	.13	.10	.16	.11	.08	.14	.10	.07	.11	.08	.05	.04
10	.19	.13	.09	.17	.12	.08	.15	.10	.07	.12	.08	.06	.10	.07	.04	.03

SPACING CRITERIA: ADJACENT = 3.7
DIAGONAL = 2.6

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (INITIAL) 39 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'	20'	24'	28'
8'	.72	1.38	1.00	.55	.31	.18	.11	.07
10'	.46	.86	.76	.51	.31	.19	.12	.09
12'	.44	.58	.58	.44	.30	.20	.13	.09
14'	.33	.41	.44	.38	.28	.20	.14	.10
16'	.25	.29	.34	.31	.25	.18	.14	.10

$$FC = \frac{(CANDLEPOWER)(\cos \theta)}{D^2}$$

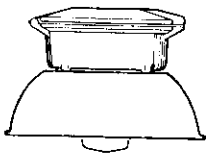
Test No. 5657.0

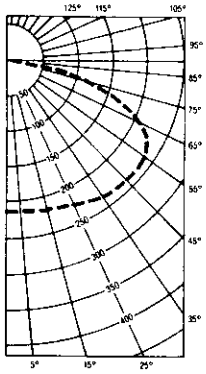
HUBBELL®
KILLARK®

FLUORESCENT
With Globe and Dome Reflector—26 Watt

CANDLEPOWER —26 WATT
(1800 Lumens
Two Lamp)

For CP of a 13 Watt
Luminaire Multiply by .50





ANGLE	CP	ANGLE	CP
0.00	215.0	90.00	8.0
5.00	219.0	95.00	4.0
10.00	221.0	100.00	6.0
15.00	219.0	105.00	7.0
20.00	219.0	110.00	7.0
25.00	221.0	115.00	7.0
30.00	226.0	120.00	7.0
35.00	234.0	125.00	5.0
40.00	237.0	130.00	2.0
45.00	238.0	135.00	0.0
50.00	239.0	140.00	0.0
55.00	239.0	145.00	0.0
60.00	231.0	150.00	0.0
65.00	209.0	155.00	0.0
70.00	170.0	160.00	0.0
75.00	124.0	165.00	0.0
80.00	78.0	170.00	0.0
85.00	37.0	175.00	0.0

Efficiency 62.8%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	75	75	75	73	73	73	69	69	69	66	66	66	63	63	63	62
1	64	61	58	62	59	57	59	57	55	57	55	53	54	53	51	50
2	54	50	45	53	49	45	51	47	44	48	45	42	46	44	41	40
3	47	41	37	46	41	36	44	39	36	42	38	35	40	37	34	32
4	41	35	30	40	34	30	38	33	29	36	32	29	35	31	28	27
5	35	29	24	34	29	24	33	28	24	31	27	23	30	26	23	21
6	31	25	20	30	24	20	29	24	20	28	23	19	27	22	19	18
7	27	21	17	27	21	17	26	20	17	25	20	16	24	19	16	15
8	24	18	14	24	18	14	23	18	14	22	17	14	21	17	14	12
9	22	16	12	21	16	12	20	15	12	19	15	12	19	15	12	10
10	20	14	10	19	14	10	18	14	10	18	13	10	17	13	10	09

SPACING CRITERIA: ADJACENT = 1.7
DIAGONAL = 1.2

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (INITIAL) 26 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

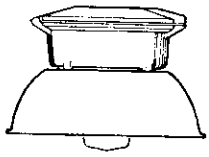
MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'	20'	24'	28'
8'	3.36	2.49	1.31	.63	.31	.15	.09	.04
10'	2.15	1.75	1.13	.63	.34	.19	.13	.06
12'	1.49	1.30	.94	.58	.36	.22	.19	.09
14'	1.10	.99	.75	.53	.35	.23	.15	.10
16'	.84	.78	.62	.47	.33	.23	.16	.11

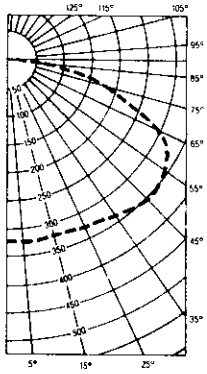
$FC = \frac{(CANDLEPOWER)(COS\ \theta)}{D^2}$

Test No. 5689.0

FLUORESCENT
With Globe and Dome Reflector—39 Watt

CANDLEPOWER —39 WATT
(2700 Lumens
Three Lamps)





ANGLE	CP	ANGLE	CP
0.00	329.0	90.00	9.0
5.00	327.0	95.00	6.0
10.00	329.0	100.00	10.0
15.00	323.0	105.00	11.0
20.00	324.0	110.00	12.0
25.00	328.0	115.00	11.0
30.00	337.0	120.00	10.0
35.00	345.0	125.00	7.0
40.00	349.0	130.00	3.0
45.00	351.0	135.00	0.0
50.00	350.0	140.00	0.0
55.00	347.0	145.00	0.0
60.00	332.0	150.00	0.0
65.00	296.0	155.00	0.0
70.00	239.0	160.00	0.0
75.00	176.0	165.00	0.0
80.00	110.0	170.00	0.0
85.00	51.0	175.00	0.0

Efficiency 60.9%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	72	72	72	70	70	70	67	67	67	64	64	64	61	61	61	60
1	62	59	56	60	58	55	58	56	53	56	55	53	53	51	50	48
2	53	48	44	52	47	44	49	46	42	47	45	41	45	42	40	39
3	46	40	36	45	40	36	43	38	35	41	37	34	39	36	33	32
4	40	34	29	39	33	29	37	32	29	36	31	28	34	30	28	26
5	34	28	24	34	28	24	32	27	23	31	26	23	29	26	22	21
6	30	24	20	30	24	20	28	23	19	27	22	19	26	22	19	17
7	27	21	17	26	21	17	25	20	16	24	20	16	23	19	16	15
8	24	18	14	23	18	14	22	17	14	21	17	14	20	16	13	12
9	21	16	12	21	15	12	20	15	12	19	15	12	18	14	11	10
10	19	14	10	19	14	10	18	13	10	17	13	10	17	13	10	09

SPACING CRITERIA: ADJACENT = 1.6
DIAGONAL = 1.1

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (INITIAL) 39 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'	20'	24'	28'
8'	5.14	3.71	1.94	.93	.43	.21	.11	.06
10'	3.29	2.61	1.66	.92	.55	.28	.15	.09
12'	2.28	1.92	1.38	.86	.52	.32	.19	.12
14'	1.68	1.47	1.13	.78	.51	.33	.22	.14
16'	1.29	1.16	.93	.69	.48	.33	.23	.16

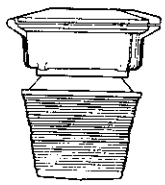
$FC = \frac{(CANDLEPOWER)(COS\ \theta)}{D^2}$

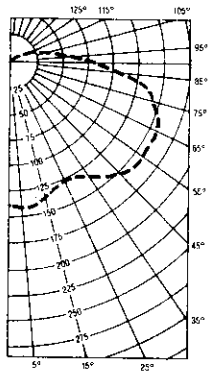
Test No. 5692.0

FLUORESCENT
With Type V "8" Refractor—26 Watt

CANDLEPOWER —26 WATT
(1800 Lumens
Two Lamps)

For CP of a 13 Watt
Luminaire multiply by .50





ANGLE	CP	ANGLE	CP
0.00	142.0	90.00	84.0
5.00	143.0	95.00	61.0
10.00	140.0	100.00	45.0
15.00	137.0	105.00	33.0
20.00	132.0	110.00	27.0
25.00	129.0	115.00	23.0
30.00	130.0	120.00	20.0
35.00	135.0	125.00	20.0
40.00	143.0	130.00	20.0
45.00	152.0	135.00	17.0
50.00	161.0	140.00	15.0
55.00	162.0	145.00	10.0
60.00	162.0	150.00	6.0
65.00	159.0	155.00	1.0
70.00	153.0	160.00	0.0
75.00	143.0	165.00	0.0
80.00	129.0	170.00	0.0
85.00	110.0	175.00	0.0

Efficiency 58.4%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	67	67	67	65	65	65	60	60	60	55	55	55	51	51	51	49
1	55	51	48	53	49	46	48	46	43	44	42	40	41	39	37	35
2	46	40	36	44	39	35	40	36	33	37	33	31	34	31	29	27
3	38	33	29	37	32	28	34	30	26	31	28	24	29	26	23	21
4	34	28	23	32	27	22	30	25	21	27	23	20	25	21	19	17
5	29	23	19	28	22	18	26	21	17	23	19	16	21	18	15	13
6	26	20	16	25	19	15	23	18	14	21	17	13	19	15	12	11
7	23	17	13	22	17	13	20	15	12	18	14	11	17	13	11	09
8	20	15	11	20	14	11	18	13	10	16	12	10	15	12	09	08
9	18	13	09	18	13	09	16	12	09	15	11	08	14	10	08	06
10	17	12	08	16	11	08	15	10	08	13	10	07	12	09	07	05

SPACING CRITERIA: ADJACENT = 1.5
DIAGONAL = 1.1

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (INITIAL) 26 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'	20'	24'	28'
8'	2.22	1.44	.84	.43	.22	.12	.07	.05
10'	1.42	1.04	.66	.42	.24	.14	.09	.06
12'	.99	.79	.55	.37	.24	.15	.10	.07
14'	.72	.62	.43	.32	.23	.16	.11	.07
16'	.55	.49	.36	.27	.21	.15	.11	.08

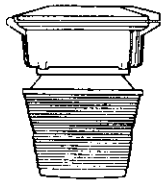
$FC = \frac{(CANDLEPOWER)(COS\ \theta)}{D^2}$

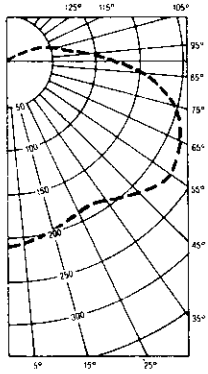
Test No. 5691.0

HUBBELL
KILLARK

FLUORESCENT
With Type V "8" Refractor—39 Watt

CANDLEPOWER
–39 WATT
(2700 Lumens
Three Lamps)





ANGLE	CP	ANGLE	CP
0.00	210.0	90.00	118.0
5.00	207.0	95.00	87.0
10.00	201.0	100.00	64.0
15.00	197.0	105.00	50.0
20.00	192.0	110.00	41.0
25.00	187.0	115.00	35.0
30.00	187.0	120.00	31.0
35.00	192.0	125.00	31.0
40.00	201.0	130.00	30.0
45.00	212.0	135.00	26.0
50.00	221.0	140.00	20.0
55.00	224.0	145.00	15.0
60.00	222.0	150.00	8.0
65.00	218.0	155.00	2.0
70.00	208.0	160.00	0.0
75.00	195.0	165.00	0.0
80.00	177.0	170.00	0.0
85.00	153.0	175.00	0.0

Efficiency 54.7%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	63	63	63	60	60	60	56	56	56	52	52	52	48	48	48	46
1	51	48	45	49	46	43	45	43	40	41	39	38	38	36	35	33
2	43	38	34	41	37	33	37	34	31	34	31	29	31	29	27	25
3	37	31	27	35	30	26	32	28	24	29	26	23	27	24	21	20
4	32	26	22	30	25	21	28	23	20	25	22	19	23	20	18	16
5	28	22	18	26	21	17	24	20	16	22	18	15	20	17	14	13
6	24	19	15	23	18	14	21	17	13	19	16	13	18	14	12	10
7	22	16	13	21	16	12	19	15	11	17	14	11	16	13	10	09
8	19	14	11	18	14	10	17	13	10	16	12	09	14	11	08	07
9	17	12	09	17	12	09	15	11	08	14	10	08	13	09	07	06
10	16	11	08	15	11	08	14	10	07	13	09	07	12	08	06	05

SPACING CRITERIA: ADJACENT = 1.4
DIAGONAL = 1.0

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (INITIAL) 39 WATT
HORIZONTAL DISTANCE FROM SOURCE IN FT.

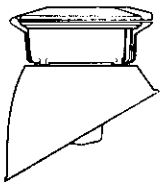
MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'	20'	24'	28'
8'	3.28	2.09	1.17	.59	.31	.18	.10	.06
10'	2.10	1.52	.92	.58	.33	.20	.12	.08
12'	1.46	1.13	.76	.52	.33	.21	.14	.09
14'	1.07	.90	.62	.45	.32	.22	.14	.10
16'	.82	.71	.52	.38	.29	.21	.15	.11

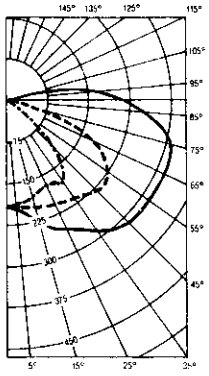
$$FC = \frac{(CANDLEPOWER)(\cos \theta)}{D^2}$$

Test No. 5694.0

FLUORESCENT
With Globe and 30° Angle Reflector
—26 Watt

CANDLEPOWER
–26 WATT
(1800 Lumens
Two Lamps)
For CP of a 13 Watt
Luminaire multiply by .50





ANGLE	FRONT	SIDE	BACK
0.00	184.0	184.0	184.0
5.00	194.0	186.0	179.0
10.00	207.0	189.0	178.0
15.00	220.0	193.0	172.0
20.00	234.0	196.0	167.0
25.00	247.0	201.0	165.0
30.00	267.0	209.0	168.0
35.00	287.0	218.0	171.0
40.00	300.0	224.0	152.0
45.00	311.0	227.0	109.0
50.00	314.0	229.0	66.0
55.00	316.0	222.0	20.0
60.00	316.0	202.0	4.0
65.00	317.0	164.0	1.0
70.00	317.0	123.0	1.0
75.00	313.0	75.0	2.0
80.00	295.0	31.0	7.0
85.00	259.0	10.0	15.0
90.00	214.0	3.0	24.0
95.00	166.0	3.0	31.0
100.00	113.0	2.0	31.0
105.00	65.0	2.0	30.0

Efficiency 57.2%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	67	67	67	65	65	65	61	61	61	58	58	58	55	55	55	53
1	56	53	51	55	52	49	51	49	47	48	47	45	46	44	43	41
2	48	44	40	47	43	39	44	40	37	41	39	36	39	37	35	33
3	42	37	32	41	36	32	38	34	31	36	33	30	34	31	29	27
4	37	31	27	36	30	27	34	29	26	32	28	25	30	27	24	23
5	32	26	22	31	26	22	29	25	21	28	24	21	26	23	20	19
6	28	23	19	27	23	18	26	21	16	25	21	17	23	20	17	16
7	25	20	16	24	19	16	23	19	15	22	18	15	21	17	14	13
8	22	17	13	22	17	13	21	16	13	19	15	13	18	15	12	11
9	20	15	11	19	15	11	18	14	11	17	13	11	16	13	10	09
10	18	13	10	18	13	10	17	12	10	16	12	09	15	11	09	08

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 26 WATT
Horizontal Distance from Source (Front) in Ft

MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'
8'	2.87	2.76	1.72	.84	.44
10'	1.84	1.87	1.43	.82	.47
12'	1.28	1.39	1.15	.76	.47

FOOTCANDLE CHART (Initial) 26 WATT
Horizontal Distance from Source (Side) in Ft

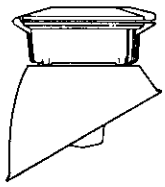
MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'
8'	2.87	2.25	1.25	.59	.33
10'	1.84	1.57	1.07	.60	.30
12'	1.28	1.16	.87	.56	.33

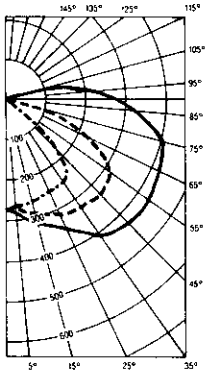
$$FC = \frac{(CANDLEPOWER)(\cos \theta)}{D^2}$$

Test No. 5690.0

FLUORESCENT
With Globe and 30° Angle Reflector
—39 Watt

CANDLEPOWER
–39 WATT
(2700 Lumens
Three Lamps)





ANGLE	FRONT	SIDE	BACK
0.00	276.0	276.0	276.0
5.00	287.0	280.0	269.0
10.00	303.0	287.0	265.0
15.00	319.0	295.0	256.0
20.00	336.0	302.0	250.0
25.00	356.0	310.0	248.0
30.00	384.0	317.0	251.0
35.00	407.0	323.0	248.0
40.00	418.0	326.0	217.0
45.00	427.0	330.0	163.0
50.00	432.0	326.0	99.0
55.00	431.0	312.0	37.0
60.00	424.0	275.0	6.0
65.00	417.0	226.0	1.0
70.00	411.0	164.0	1.0
75.00	402.0	101.0	3.0
80.00	369.0	45.0	12.0
85.00	323.0	13.0	22.0
90.00	275.0	2.0	34.0
95.00	216.0	2.0	39.0
100.00	152.0	2.0	37.0
105.00	95.0	1.0	34.0

Efficiency 58.3%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10			0
% WALL REFLECTANCE pw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
0	66	66	66	66	66	66	62	62	62	59	59	59	55	55	55	54
1	57	54	51	56	53	50	52	50	48	49	47	45	46	45	43	42
2	49	44	40	47	43	39	44	41	38	42	39	36	39	37	35	33
3	42	37	33	41	36	32	39	35	31	36	33	30	34	31	29	27
4	37	31	27	36	31	27	34	29	26	32	28	25	30	27	24	23
5	32	27	22	31	26	22	30	25	21	28	24	21	26	23	20	19
6	29	23	19	26	22	19	26	22	18	25	21	18	23	20	17	16
7	25	20	16	25	19	16	23	19	15	22	18	15	21	17	14	13
8	23	17	14	22	17	13	21	16	13	20	16	13	19	15	12	11
9	20	15	12	20	15	11	19	14	11	18	14	11	17	13	10	09
10	18	13	10	18	13	10	17	13	10	16	12	09	15	11	09	08

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 39 WATT
Horizontal Distance from Source (Front) in Ft

MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'
8'	4.31	3.75	2.36	1.15	.58
10'	2.76	2.69	1.99	1.05	.63
12'	1.92	1.99	1.63	1.05	.65

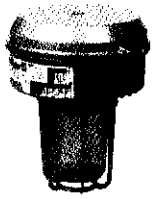
FOOTCANDLE CHART (Initial) 39 WATT
Horizontal Distance from Source (Side) in Ft

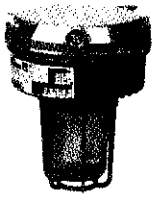
MOUNTING HEIGHT FT.	0'	4'	8'	12'	16'
8'	4.31	3.47	1.82	.83	.32
10'	2.76	2.42	1.55	.86	.46
12'	1.92	1.79	1.29	.81	.47

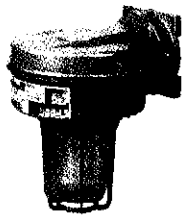
$$FC = \frac{(CANDLEPOWER)(\cos \theta)}{D^2}$$

Test No. 5693.0

HUBBELL®
KILLARK®


Pendant


Ceiling


Wall

Stanchion

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X

Compliances: UL 844; UL 1570
Listed & CSA Certified
CSA C22.2 no. 137-M1981
Rated for 40C° ambient. Minimum start 0° C.

FEATURES-SPECIFICATIONS

CERTI*LITE*®

Applications

CERTI*LITE*® VBF and VQF are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include manufacturing plants, and certain chemical and petro-chemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities.

Features

- Bi-Pin Twin (VBF) or Quad-Pin triple-tube (VQF) long-life compact fluorescent lamps included
- **World Voltage** on Quad-Pin VQF Series: 120 through 277VAC; 50/60 Hz
- Choice of Pendant, Ceiling, Wall or Stanchion mount
- Energy-saving instant on white light
- Corrosion resistant-Copper-free aluminum die-cast construction (less than 4/10 of 1%) w/Baked-on epoxy/polyester powder finish
- Exposed hardware is 316 grade stainless steel

Accessories

Exit sign: Model **VEXA-100** (Note: omit 2nd "**G**" in catalog number for globe-only fixture), see page L135

Reflectors: Use standard dome **VMPSD-17** or angle model **VMPA-17** (see page L54)

Options

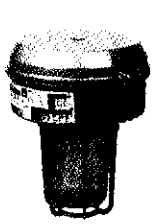
For Factory Fusing on **VBF** and for **VQF** to be used on 120V or 277V systems, add **-F** to catalog number e.g. **VBF261A2GGN4-F**. For **VQF** to be used on 208V, 220V, 230V, 240V systems, add **-FF** to catalog number e.g. **VQF2630A2GGN4-FF**.

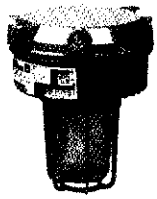
VBF/VQF 26-84WATT

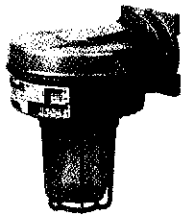
COMPACT FLUORESCENT LAMPS INCLUDED	LINE VOLTAGE	CATALOG NUMBER ③④⑤			
		PENDANT 3/4" ①	CEILING 3/4" ①	WALL 3/4" ①	STANCHION 1-1/4" ②
26Watt (2x13)	120VAC 60Hz	VBF261A2GGN4	VBF261X2GGN4	VBF261B2GGN4	VBF261D4GGN4
	277VAC 60Hz	VBF264A2GGN4	VBF264X2GGN4	VBF264B2GGN4	VBF264D4GGN4
39Watt (3x13)	120VAC 60Hz	VBF391A2GGN4	VBF391X2GGN4	VBF391B2GGN4	VBF391D4GGN4
	277VAC 60Hz	VBF394A2GGN4	VBF394X2GGN4	VBF394B2GGN4	VBF394D4GGN4
26Watt (1x26)	120-277 50-60Hz	VQF2630A2GGN4	VQF2630X2GGN4	VQF2630B2GGN4	VQF2630D4GGN4
32Watt (1x32)	120-277 50-60Hz	VQF3230A2GGN4	VQF3230X2GGN4	VQF3230B2GGN4	VQF3230D4GGN4
42Watt (1x42)	120-277 50-60Hz	VQF4230A2GGN4	VQF4230X2GGN4	VQF4230B2GGN4	VQF4230D4GGN4
52Watt (2x26)	120-277 50-60Hz	VQF5230A2GGN4	VQF5230X2GGN4	VQF5230B2GGN4	VQF5230D4GGN4
64Watt (2x32)	120-277 50-60Hz	VQF6430A2GGN4	VQF6430X2GGN4	VQF6430B2GGN4	VQF6430D4GGN4
84Watt (2x42)	120-277 50-60Hz	VQF8430A2GGN4	VQF8430X2GGN4	VQF8430B2GGN4	VQF8430D4GGN4

① *Pendant, Ceiling & Bracket models may be changed to 1" hubs by changing the 8th character from **2** to **3** e.g. **VBF261A3GGN4** (9th character in VQF series).*
② *For 1-1/2" angle Stanchion, change **D4** to **D5** in catalog number. Change **D4** to **S5** for 1-1/2" Straight (90°) Stanchion.*
③ *Omit 2nd "**G**" for globe-only fixture for use with VEXA-100 Exit Accessory.*
④ *Refer to page L55 VM series for dimensional data.*
⑤ *For refractor assemblies, order ballast tank, mounting splice box, "low wattage" optic and guard from "VM" pages L53, L54.*

HUBBELL®
KILLARK®


Pendant


Ceiling


Wall

Stanchion

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X

Compliances: UL 844; UL 1570
UL Listed & CSA Certified
CSA C22.2 no. 137-M1981
Rated for 40C° ambient. Minimum start 0° C.

FEATURES-SPECIFICATIONS

LUMEN OUTPUT①	
LAMP SOURCE	LUMEN OUTPUT
26Watt (2x13)	1800
39Watt (3X13)	2700
26Watt (1x26)	1800
32Watt (1X32)	2400
42Watt (1X42)	3200
52Watt (2x26)	3600
64Watt (2X32)	4800
84Watt (2X42)	6400

① *Photometric characteristics similar to 39 watt MBF pages L31-L33, except adjusted for Lumen output.*

VBF/VQF 26-84WATT BALLAST TANKS ONLY③		
COMPACT FLUOR.② LAMPS SOLD SEPARATELY	LINE VOLTAGE	CATALOG NUMBER
26Watt (2x13)	120VAC 60Hz	**VBF261**
	277VAC 60Hz	**VBF264**
39Watt (3x13)	120VAC 60Hz	**VBF391**
	277VAC 60Hz	**VBF394**
26Watt (1x26)	120-277 50-60Hz	**VQF2630**
32Watt (1x32)	120-277 50-60Hz	**VQF3230**
42Watt (1x42)	120-277 50-60Hz	**VQF4230**
52Watt (2x26)	120-277 50-60Hz	**VQF5230**
64Watt (2x32)	120-277 50-60Hz	**VQF6430**
84Watt (2x42)	120-277 50-60Hz	**VQF8430**

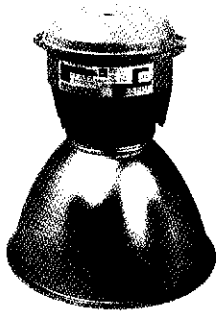
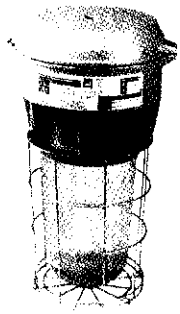
② *Order lamps, splice box and optic separately*
③ *See page L135 for ballast data*

REPLACEMENT LAMPS	
CATALOG NUMBER	DESCRIPTION
MPL13	13W Bi-Pin
MQL26	26W Quad-Pin
MQL32	32W Quad-Pin
MQL42	42W Quad-Pin

HAZARDOUS LOCATION APPLICATION DATA FOR GLOBE & GUARD (SAME WITH REFLECTOR OR EXIT ACCESSORY)③				
LAMP SOURCE	CLASS I DIV. 2 A,B,C,D	CLASS II DIV. 1 & 2 E,F,G	CLASS III SUITABILITY	SUPPLY WIRE
26Watt (2x13)	180°C (T3A)	85°C (T6)	YES	85°C
39Watt (3X13)	180°C (T3A)	85°C (T6)	YES	85°C
26Watt (1x26)	215°C (T2D)	120°C (T4A)	YES	85°C
32Watt (1X32)	215°C (T2D)	120°C (T4A)	YES	85°C
42Watt (1X42)	215°C (T2D)	120°C (T4A)	YES	85°C
52Watt (2x26)	215°C (T2D)	120°C (T4A)	YES	85°C
64Watt (2X32)	215°C (T2D)	120°C (T4A)	YES	85°C
84Watt (2X42)	215°C (T2D)	120°C (T4A)	YES	85°C

④ *VBF/VQF units are rated for simultaneous presence.*

L

Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G,*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)
Certified - File LR11713

FEATURES-SPECIFICATIONS

CERTILITE®

Applications

CERTI*LITE*® VM fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities.

Features

- CERTI*LITE*® VM fixtures are now available with Pulse Start Metal Halide ballasts. Pulse Start systems provide higher and better maintained light output with longer life compared standard Metal Halide systems

  Pulse Start and standard Metal Halide lamps and ballasts are ***not*** interchangeable
- Ballast tank and splice box — corrosion resistant copper-free aluminum alloy
- Baked powder epoxy polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware — stainless steel
- Guard — copper-free aluminum alloy
- Normally shipped as components for quick delivery
- Refractor guard — steel with corrosion resistant finish
- Reflector — lightweight, corrosion resistant polyester reinforced fiberglass
- Five mounting splice box types; pendant, ceiling, bracket, cone top, stanchion
- Quartz and incandescent auxiliary or HPS instant restart
- Minimum starting temperature HPS – 40°C, MV, MH & MHP – 30°C

Compliances

- UL-1572 Standard for HID lighting fixtures
- UL Marine type lighting fixtures
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaries for use in hazardous locations
- Enclosed and gasketed
- NEMA 3, 4X

Catalog Number Logic

VM 0 0 - 0 - 0 0 0 000 - 000 (NR) ①

Series Constant

Ballast and Housing
L—HPS 50-150 Watt
V—HPS 250-400 Watt
M—MH 70-250 Watt
F—MH 400 Watt
U—MHP 175 Watt
P—MHP 175-400 Watt
K—MV 100-250 Watt
E—MV 400 Watt

Splice Box
A—Pendant
B—Wall
C—Cone Top
D—Stanchion 25°
S—Straight Stanchion
X—Ceiling

Conduit Size
2—3/4"
3—1"
4—1-1/4"
5—1-1/2"

Wattage
1—50
4—70
5—100
6—175
7—250
8—400
9—150
32—320
35—350

Voltage
0—Quadri-Volt (120, 208, 240, 277) 60Hz
5—480 60Hz
6—Tri-Tap 120, 277, 347 60Hz (Canada)
7—220V, 60Hz.
8—220/240, 50Hz
9—Special

Globe & Guard or Refractor

Globe
G—Globe Only
GG—Globe and Guard
ER—Enclosed Reflector

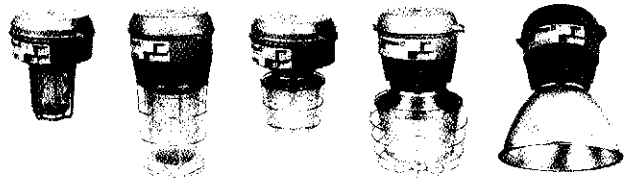
Refractor
G1—Glass IES Type I 12"
G5—Glass IES Type V 12"
P5—Plastic IES Type V
G58—Glass IES Type V 8"

Suffix
QTZ—Quartz Auxiliary
IR—Instant Restrike HPS only
BP—Ballast Protector HPS only

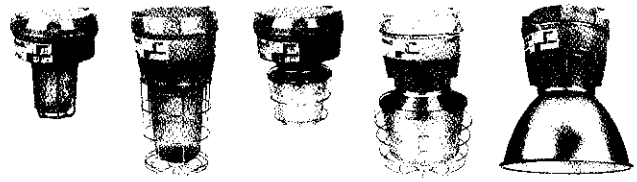
**See hazardous location information for limitations on pages L58-L60.*
① See page L47 for Ex nR Restricted Breathing models.

HUBBELL®
KILLARK®

Pendant



Ceiling



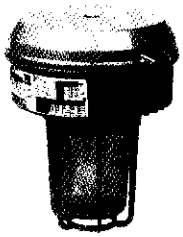
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

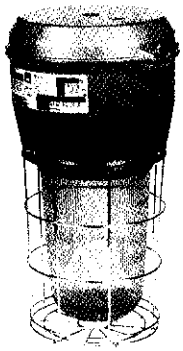
Certified - File LR11713

PENDANT

50-150W



250-400W

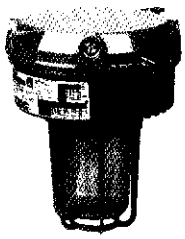


VM 50-400 WATT HIGH PRESSURE SODIUM PENDANT

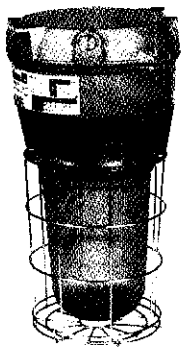
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
50	S-68	3/4"	QUAD	VMLA-2-10GG	VMLA-2-10G58	—
			TRI	—	—	
			480	—	—	
70	S-62	3/4"	QUAD	VMLA-2-40GG	VMLA-2-40G58	—
			TRI	VMLA-2-46GG	VMLA-2-46G58	
			480	VMLA-2-45GG	VMLA-2-45G58	
100	S-54	3/4"	QUAD	VMLA-2-50GG	VMLA-2-50G58	—
			TRI	VMLA-2-56GG	VMLA-2-56G58	
			480	VMLA-2-55GG	VMLA-2-55G58	
150	S-55	3/4"	QUAD	VMLA-2-90GG	VMLA-2-90G58	—
			TRI	VMLA-2-96GG	VMLA-2-96G58	
			480	VMLA-2-95GG	VMLA-2-95G58	
250	S-50	3/4"	QUAD	VMVA-2-70GG	VMVA-2-70G5	VMVA-2-70ER
			TRI	VMVA-2-76GG	VMVA-2-76G5	VMVA-2-76ER
			480	VMVA-2-75GG	VMVA-2-75G5	VMVA-2-75ER
400	S-51	3/4"	QUAD	VMVA-2-80GG	VMVA-2-80G5	VMVA-2-80ER
			TRI	VMVA-2-86GG	VMVA-2-86G5	VMVA-2-86ER
			480	VMVA-2-85GG	VMVA-2-85G5	VMVA-2-85ER

CEILING

50-150W



250-400W



VM 50-400 WATT HIGH PRESSURE SODIUM CEILING

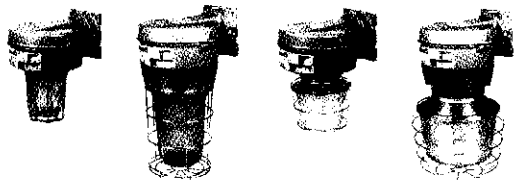
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
50	S-68	3/4"	QUAD	VMLX-2-10GG	VMLX-2-10G58	—
			TRI	—	—	
			480	—	—	
70	S-62	3/4"	QUAD	VMLX-2-40GG	VMLX-2-40G58	—
			TRI	VMLX-2-46GG	VMLX-2-46G58	
			480	VMLX-2-45GG	VMLX-2-45G58	
100	S-54	3/4"	QUAD	VMLX-2-50GG	VMLX-2-50G58	—
			TRI	VMLX-2-56GG	VMLX-2-56G58	
			480	VMLX-2-55GG	VMLX-2-55G58	
150	S-55	3/4"	QUAD	VMLX-2-90GG	VMLX-2-90G58	—
			TRI	VMLX-2-96GG	VMLX-2-96G58	
			480	VMLX-2-95GG	VMLX-2-95G58	
250	S-50	3/4"	QUAD	VMVX-2-70GG	VMVX-2-70G5	VMVX-2-70ER
			TRI	VMVX-2-76GG	VMVX-2-76G5	VMVX-2-76ER
			480	VMVX-2-75GG	VMVX-2-75G5	VMVX-2-75ER
400	S-51	3/4"	QUAD	VMVX-2-80GG	VMVX-2-80G5	VMVX-2-80ER
			TRI	VMVX-2-86GG	VMVX-2-86G5	VMVX-2-86ER
			480	VMVX-2-85GG	VMVX-2-85G5	VMVX-2-85ER

L

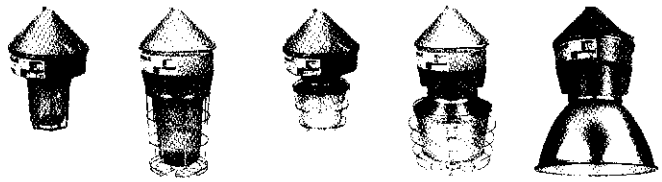
① *See hazardous application data on pages L58-L60 for limitations.*
② *Hub size shown is 3/4" NPT, for 1" pendant or ceiling, change "**2**" to "**3**" in catalog number; e.g.* ***VMLA-3-40GG****. For flexible 3/4" pendant mounting, order* ***VMA-24 SU75*** *w/ballast tank, optic and guard.*
③ *Omit 2nd "**G**" for Globe only.*
④ *Order Refractor Guards separately. On Series VML 8" refractors are standard.*
*To order 12" refractor, delete "**8**" from catalog number.*
To order fixture with other refractors, change catalog number as shown in refractor chart page L54.

VM SERIES • LIGHTING
HIGH PRESSURE SODIUM, 50-400W MOGUL BASE HID

Wall



Cone Top



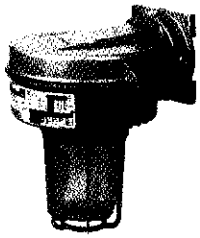
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

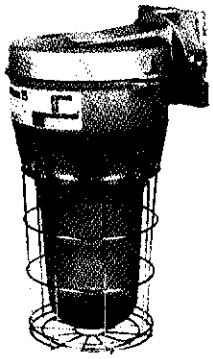
Certified - File LR11713

WALL

50-150W



250-400W

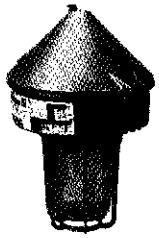


VM 50-400 WATT HIGH PRESSURE SODIUM WALL

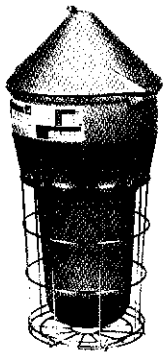
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
50	S-68	3/4"	QUAD	VMLB-2-10GG	VMLB-2-10G58	—
			TRI	—	—	
			480	—	—	
70	S-62	3/4"	QUAD	VMLB-2-40GG	VMLB-2-40G58	—
			TRI	VMLB-2-46GG	VMLB-2-46G58	
			480	VMLB-2-45GG	VMLB-2-45G58	
100	S-54	3/4"	QUAD	VMLB-2-50GG	VMLB-2-50G58	—
			TRI	VMLB-2-56GG	VMLB-2-56G58	
			480	VMLB-2-55GG	VMLB-2-55G58	
150	S-55	3/4"	QUAD	VMLB-2-90GG	VMLB-2-90G58	—
			TRI	VMLB-2-96GG	VMLB-2-96G58	
			480	VMLB-2-95GG	VMLB-2-95G58	
250	S-50	3/4"	QUAD	VMVB-2-70GG	VMVB-2-70G5	—
			TRI	VMVB-2-76GG	VMVB-2-76G5	
			480	VMVB-2-75GG	VMVB-2-75G5	
400	S-51	3/4"	QUAD	VMVB-2-80GG	VMVB-2-80G5	—
			TRI	VMVB-2-86GG	VMVB-2-86G5	
			480	VMVB-2-85GG	VMVB-2-85G5	

CONE TOP

50-150W



250-400W



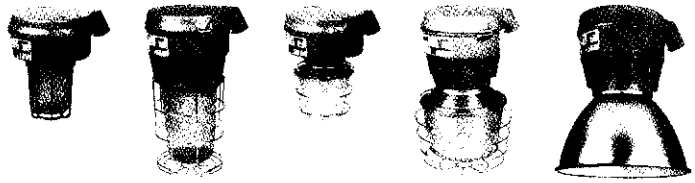
VM 50-400 WATT HIGH PRESSURE SODIUM CONE TOP

WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
50	S-68	3/4"	QUAD	VMLC-2-10GG	VMLC-2-10G58	—
			TRI	—	—	
			480	—	—	
70	S-62	3/4"	QUAD	VMLC-2-40GG	VMLC-2-40G58	—
			TRI	VMLC-2-46GG	VMLC-2-46G58	
			480	VMLC-2-45GG	VMLC-2-45G58	
100	S-54	3/4"	QUAD	VMLC-2-50GG	VMLC-2-50G58	—
			TRI	VMLC-2-56GG	VMLC-2-56G58	
			480	VMLC-2-55GG	VMLC-2-55G58	
150	S-55	3/4"	QUAD	VMLC-2-90GG	VMLC-2-90G58	—
			TRI	VMLC-2-96GG	VMLC-2-96G58	
			480	VMLC-2-95GG	VMLC-2-95G58	
250	S-50	3/4"	QUAD	VMVC-2-70GG	VMVC-2-70G5	VMVC-2-70ER
			TRI	VMVC-2-76GG	VMVC-2-76G5	VMVC-2-76ER
			480	VMVC-2-75GG	VMVC-2-75G5	VMVC-2-75ER
400	S-51	3/4"	QUAD	VMVC-2-80GG	VMVC-2-80G5	VMVC-2-80ER
			TRI	VMVC-2-86GG	VMVC-2-86G5	VMVC-2-86ER
			480	VMVC-2-85GG	VMVC-2-85G5	VMVC-2-85ER

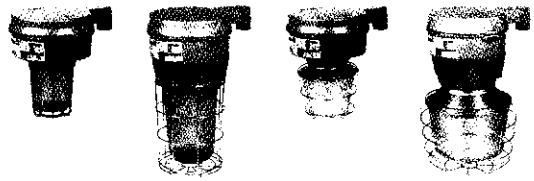
① See hazardous application data on pages L58-L60 for limitations.
*② Hub size shown is 3/4" NPT, for 1" wall bracket, change "**2**" to "**3**" in catalog number; e.g. **VMLB-3-40GG***
*③ Omit 2nd "**G**" for Globe only.*
*④ Order Refractor Guards separately. On Series VML 8" refractors are standard. To order 12" refractor, delete "**8**" from catalog number. To order fixture with other refractors, change catalog number as shown in refractor chart page L54.*

HUBBELL
KILLARK®

Stanchion
25° Angle



Stanchion
Straight



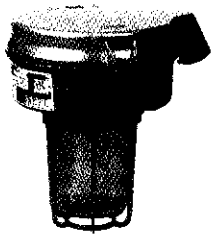
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

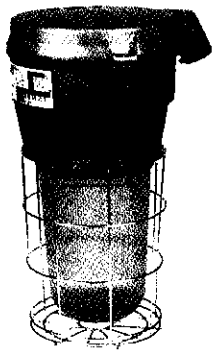
Certified - File LR11713

STANCHION 25° ANGLE

50-150W



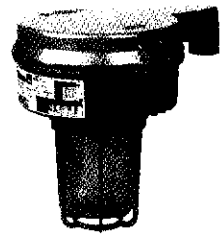
250-400W



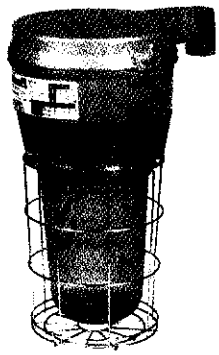
VM 50-400 WATT HIGH PRESSURE SODIUM STANCHION 25° ANGLE						
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
50	S-68	1-1/4"	QUAD	VMLD-4-10GG	VMLD-4-10G58	—
			TRI	—	—	
			480	—	—	
70	S-62	1-1/4"	QUAD	VMLD-4-40GG	VMLD-4-40G58	—
			TRI	VMLD-4-46GG	VMLD-4-46G58	
			480	VMLD-4-45GG	VMLD-4-45G58	
100	S-54	1-1/4"	QUAD	VMLD-4-50GG	VMLD-4-50G58	—
			TRI	VMLD-4-56GG	VMLD-4-56G58	
			480	VMLD-4-55GG	VMLD-4-55G58	
150	S-55	1-1/4"	QUAD	VMLD-4-90GG	VMLD-4-90G58	—
			TRI	VMLD-4-96GG	VMLD-4-96G58	
			480	VMLD-4-95GG	VMLD-4-95G58	
250	S-50	1-1/4"	QUAD	VMVD-4-70GG	VMVD-4-70G5	VMVD-4-70ER
			TRI	VMVD-4-76GG	VMVD-4-76G5	VMVD-4-76ER
			480	VMVD-4-75GG	VMVD-4-75G5	VMVD-4-75ER
400	S-51	1-1/4"	QUAD	VMVD-4-80GG	VMVD-4-80G5	VMVD-4-80ER
			TRI	VMVD-4-86GG	VMVD-4-86G5	VMVD-4-86ER
			480	VMVD-4-85GG	VMVD-4-85G5	VMVD-4-85ER

STANCHION STRAIGHT

50-150W



250-400W



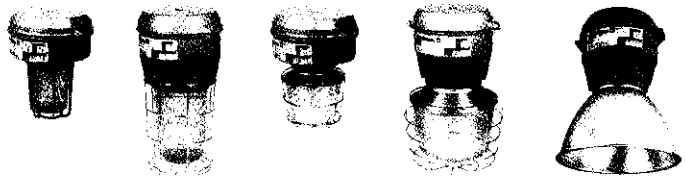
VM 50-400 WATT HIGH PRESSURE SODIUM STANCHION STRAIGHT						
WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
50	S-68	1-1/2"	QUAD	VMLS-5-10GG	VMLS-5-10G58	—
			TRI	—	—	
			480	—	—	
70	S-62	1-1/2"	QUAD	VMLS-5-40GG	VMLS-5-40G58	—
			TRI	VMLS-5-46GG	VMLS-5-46G58	
			480	VMLS-5-45GG	VMLS-5-45G58	
100	S-54	1-1/2"	QUAD	VMLS-5-50GG	VMLS-5-50G58	—
			TRI	VMLS-5-56GG	VMLS-5-56G58	
			480	VMLS-5-55GG	VMLS-5-55G58	
150	S-55	1-1/2"	QUAD	VMLS-5-90GG	VMLS-5-90G58	—
			TRI	VMLS-5-96GG	VMLS-5-96G58	
			480	VMLS-5-95GG	VMLS-5-95G58	
250	S-50	1-1/2"	QUAD	VMVS-5-70GG	VMVS-5-70G5	—
			TRI	VMVS-5-76GG	VMVS-5-76G5	
			480	VMVS-5-75GG	VMVS-5-75G5	
400	S-51	1-1/2"	QUAD	VMVS-5-80GG	VMVS-5-80G5	—
			TRI	VMVS-5-86GG	VMVS-5-86G5	
			480	VMVS-5-85GG	VMVS-5-85G5	

① See hazardous application data on pages L58-L60 for limitations.
*② 25° Stanchion hub size shown is 1-1/4" NPT. For 1-1/2" change "**4**" to "**5**"; e.g. **VMLD-5-40GG**.*
*③ Omit 2nd "**G**" for Globe only.*
④ Order Refractor Guards separately. On Series VML 8" refractors are standard.
*To order 12" refractor, delete "**8**" from catalog number.*
To order fixture with other refractors, change catalog number as shown in refractor chart page L54.

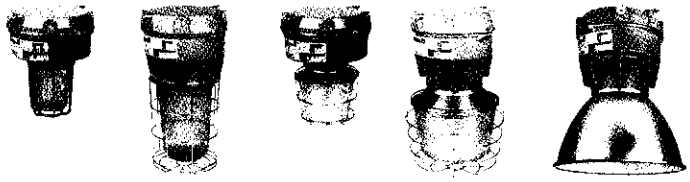
HUBBELL
KILLARK®

VM SERIES • LIGHTING
METAL HALIDE, 70-400W MOGUL BASE HID

Pendant



Ceiling



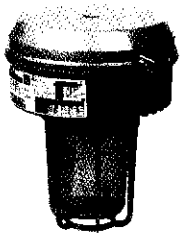
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

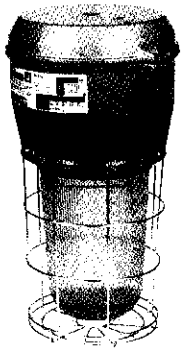
Certified - File LR11713

PENDANT

70-250W



400W

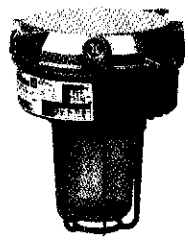


VM 70-400 WATT METAL HALIDE PENDANT

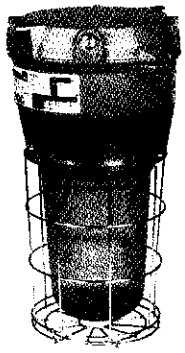
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
70	M-98	3/4"	QUAD	VMMA-2-40GG	VMMA-2-40G58	—
			TRI	VMMA-2-46GG	VMMA-2-46G58	
			480	VMMA-2-45GG	VMMA-2-45G58	
100	M-90	3/4"	QUAD	VMMA-2-50GG	VMMA-2-50G58	—
			TRI	VMMA-2-56GG	VMMA-2-56G58	
			480	VMMA-2-55GG	VMMA-2-55G58	
175	M-57	3/4"	QUAD	VMMA-2-60GG	VMMA-2-60G58	—
			TRI	VMMA-2-66GG	VMMA-2-66G58	
			480	VMMA-2-65GG	VMMA-2-65G58	
250	M-58	3/4"	QUAD	VMMA-2-70GG	VMMA-2-70G58	—
			TRI	VMMA-2-76GG	VMMA-2-76G58	
			480	VMMA-2-75GG	VMMA-2-75G58	
400	M-59	3/4"	QUAD	VMFA-2-80GG	VMFA-2-80G5	VMFA-2-80ER
			TRI	VMFA-2-86GG	VMFA-2-86G5	VMFA-2-86ER
			480	VMFA-2-85GG	VMFA-2-85G5	VMFA-2-85ER

CEILING

70-250W



400W



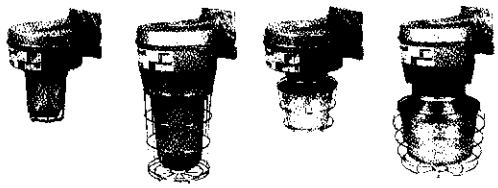
VM 70-400 WATT METAL HALIDE CEILING

WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
70	M-98	3/4"	QUAD	VMMX-2-40GG	VMMX-2-40G58	—
			TRI	VMMX-2-46GG	VMMX-2-46G58	
			480	VMMX-2-45GG	VMMX-2-45G58	
100	M-90	3/4"	QUAD	VMMX-2-50GG	VMMX-2-50G58	—
			TRI	VMMX-2-56GG	VMMX-2-56G58	
			480	VMMX-2-55GG	VMMX-2-55G58	
175	M-57	3/4"	QUAD	VMMX-2-60GG	VMMX-2-60G58	—
			TRI	VMMX-2-66GG	VMMX-2-66G58	
			480	VMMX-2-65GG	VMMX-2-65G58	
250	M-58	3/4"	QUAD	VMMX-2-70GG	VMMX-2-70G58	—
			TRI	VMMX-2-76GG	VMMX-2-76G58	
			480	VMMX-2-75GG	VMMX-2-75G58	
400	M-59	3/4"	QUAD	VMFX-2-80GG	VMFX-2-80G5	VMFX-2-80ER
			TRI	VMFX-2-86GG	VMFX-2-86G5	VMFX-2-86ER
			480	VMFX-2-85GG	VMFX-2-85G5	VMFX-2-85ER

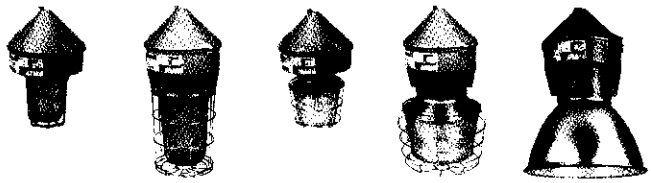
① *See hazardous application data on pages L58-L60 for limitations.*
② *Hub size shown is 3/4" NPT, for pendant or ceiling, change "**2**" to "**3**" in catalog number; e.g. **VMMA-3-40GG**. For flexible 3/4" pendant mounting, order **VMA-24 SU75** w/ballast tank, optic and guard*
③ *Omit 2nd "**G**" for Globe only.*
④ *Order Refractor Guards separately. On Series VMM 8" refractors are standard. To order 12" refractor, delete "**8**" from catalog number. To order fixture with other refractors, change catalog number as shown in refractor chart page L54.*
Note: 175-400 ballasts will also drive same wattage Mercury Vapor lamps, if desired. 175 watt will also operate 150W M107 Metal Halide lamps.

HUBBELL
KILLARK

Wall



Cone Top



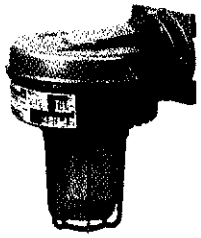
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

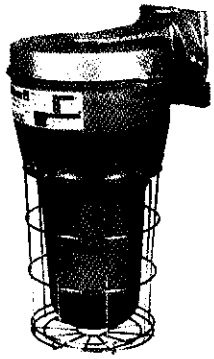
Certified - File LR11713

WALL

70-250W



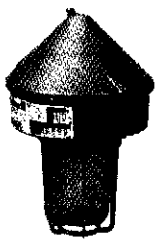
400W



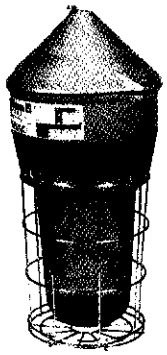
VM 70-400 WATT METAL HALIDE WALL						
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
70	M-98	3/4"	QUAD	VMMB-2-40GG	VMMB-2-40G58	—
			TRI	VMMB-2-46GG	VMMB-2-46G58	
			480	VMMB-2-45GG	VMMB-2-45G58	
100	M-90	3/4"	QUAD	VMMB-2-50GG	VMMB-2-50G58	—
			TRI	VMMB-2-56GG	VMMB-2-56G58	
			480	VMMB-2-55GG	VMMB-2-55G58	
175	M-57	3/4"	QUAD	VMMB-2-60GG	VMMB-2-60G58	—
			TRI	VMMB-2-66GG	VMMB-2-66G58	
			480	VMMB-2-65GG	VMMB-2-65G58	
250	M-58	3/4"	QUAD	VMMB-2-70GG	VMMB-2-70G58	—
			TRI	VMMB-2-76GG	VMMB-2-76G58	
			480	VMMB-2-75GG	VMMB-2-75G58	
400	M-59	3/4"	QUAD	VMFB-2-80GG	VMFB-2-80G5	—
			TRI	VMFB-2-86GG	VMFB-2-86G5	
			480	VMFB-2-85GG	VMFB-2-85G5	

CONE TOP

70-250W



400W

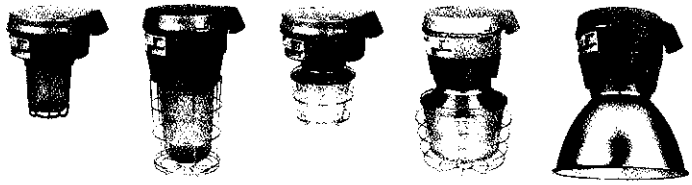


VM 70-400 WATT METAL HALIDE CONE TOP						
WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
70	M-98	3/4"	QUAD	VMMC-2-40GG	VMMC-2-40G58	—
			TRI	VMMC-2-46GG	VMMC-2-46G58	
			480	VMMC-2-45GG	VMMC-2-45G58	
100	M-90	3/4"	QUAD	VMMC-2-50GG	VMMC-2-50G58	—
			TRI	VMMC-2-56GG	VMMC-2-56G58	
			480	VMMC-2-55GG	VMMC-2-55G58	
175	M-57	3/4"	QUAD	VMMC-2-60GG	VMMC-2-60G58	—
			TRI	VMMC-2-66GG	VMMC-2-66G58	
			480	VMMC-2-65GG	VMMC-2-65G58	
250	M-58	3/4"	QUAD	VMMC-2-70GG	VMMC-2-70G58	—
			TRI	VMMC-2-76GG	VMMC-2-76G58	
			480	VMMC-2-75GG	VMMC-2-75G58	
400	M-59	3/4"	QUAD	VMFC-2-80GG	VMFC-2-80G5	VMFC-2-80ER
			TRI	VMFC-2-86GG	VMFC-2-86G5	VMFC-2-86ER
			480	VMFC-2-85GG	VMFC-2-85G5	VMFC-2-85ER

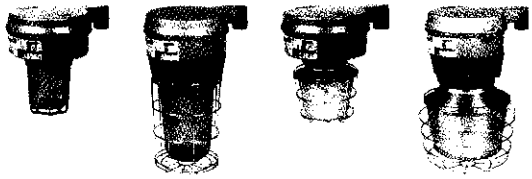
① See hazardous application data on pages L58-L60 for limitations.
*② Hub size shown is 3/4" NPT, for 1" wall bracket, change "2" to "3" in catalog number; e.g. **VMMB-3-40GG**.*
③ Omit 2nd "G" for Globe only.
④ Order Refractor Guards separately. On Series VMM 8" refractors are standard.
To order 12" refractor, delete "8" from catalog number.
To order fixture with other refractors, change catalog number as shown in refractor chart page L54.
Note: 175-400 ballasts will also drive same wattage Mercury Vapor lamps, if desired . 175 watt will also operate 150W M107 Metal Halide lamps.

VM SERIES • LIGHTING
METAL HALIDE, 70-400W MOGUL BASE HID

Stanchion 25° Angle



Stanchion Straight



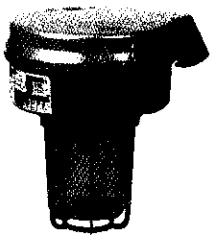
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

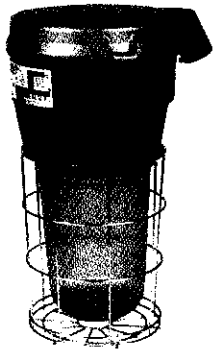
Certified - File LR11713

STANCHION 25° ANGLE

70-250W



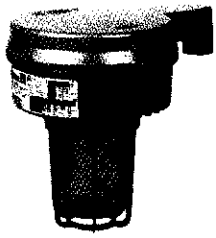
400W



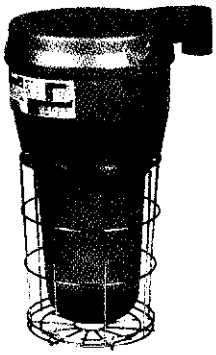
VM 70-400 WATT METAL HALIDE STANCHION 25° ANGLE						
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
70	M-98	1-1/4"	QUAD	VMMD-4-40GG	VMMD-4-40G58	—
			TRI	VMMD-4-46GG	VMMD-4-46G58	
			480	VMMD-4-45GG	VMMD-4-45G58	
100	M-90	1-1/4"	QUAD	VMMD-4-50GG	VMMD-4-50G58	—
			TRI	VMMD-4-56GG	VMMD-4-56G58	
			480	VMMD-4-55GG	VMMD-4-55G58	
175	M-57	1-1/4"	QUAD	VMMD-4-60GG	VMMD-4-60G58	—
			TRI	VMMD-4-66GG	VMMD-4-66G58	
			480	VMMD-4-65GG	VMMD-4-65G58	
250	M-58	1-1/4"	QUAD	VMMD-4-70GG	VMMD-4-70G58	—
			TRI	VMMD-4-76GG	VMMD-4-76G58	
			480	VMMD-4-75GG	VMMD-4-75G58	
400	M-59	1-1/4"	QUAD	VMFD-4-80GG	VMFD-4-80G5	VMFD-4-80ER
			TRI	VMFD-4-86GG	VMFD-4-86G5	VMFD-4-80ER
			480	VMFD-4-85GG	VMFD-4-85G5	VMFD-4-80ER

STANCHION STRAIGHT

70-250W



400W

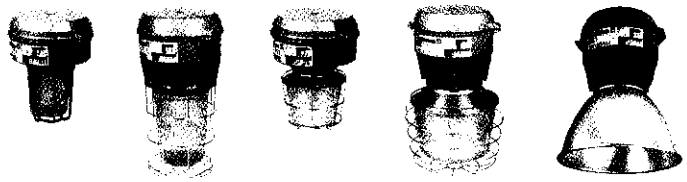


VM 70-400 WATT METAL HALIDE STANCHION STRAIGHT						
WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
70	M-98	1-1/2"	QUAD	VMMS-5-40GG	VMMS-5-40G58	—
			TRI	VMMS-5-46GG	VMMS-5-46G58	
			480	VMMS-5-45GG	VMMS-5-45G58	
100	M-90	1-1/2"	QUAD	VMMS-5-50GG	VMMS-5-50G58	—
			TRI	VMMS-5-56GG	VMMS-5-56G58	
			480	VMMS-5-55GG	VMMS-5-55G58	
175	M-57	1-1/2"	QUAD	VMMS-5-60GG	VMMS-5-60G58	—
			TRI	VMMS-5-66GG	VMMS-5-66G58	
			480	VMMS-5-65GG	VMMS-5-65G58	
250	M-58	1-1/2"	QUAD	VMMS-5-70GG	VMMS-5-70G58	—
			TRI	VMMS-5-76GG	VMMS-5-76G58	
			480	VMMS-5-75GG	VMMS-5-75G58	
400	M-59	1-1/2"	QUAD	VMFS-5-80GG	VMFS-5-80G5	—
			TRI	VMFS-5-86GG	VMFS-5-86G5	
			480	VMFS-5-85GG	VMFS-5-85G5	

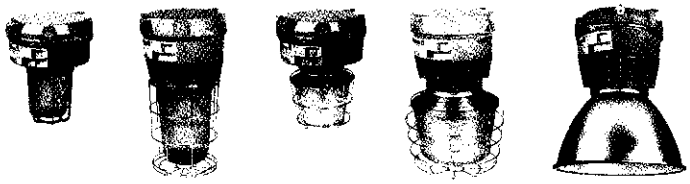
① See hazardous application data on pages L58-L60 for limitations.
*② 25° Stanchion hub size shown is 1-1/4" NPT. For 1-1/2" change "4" to "5"; e.g. **VMMD-5-40GG**.*
③ Omit 2nd "G" for Globe only.
④ Order Refractor Guards separately. On Series VMM 8" refractors are standard. To order 12" refractor, delete "8" from catalog number. To order fixture with other refractors, change catalog number as shown in refractor chart page L54.
Note: 175-400 ballasts will also drive same wattage Mercury Vapor lamps, if desired. 175 watt will also operate 150W M107 Metal Halide lamps.

HUBBELL
KILLARK

Pendant



Ceiling



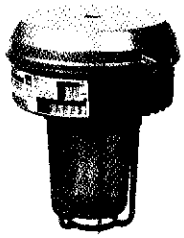
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

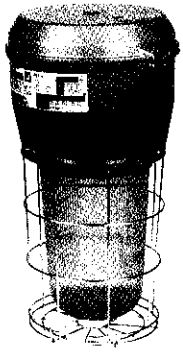
Certified - File LR11713

PENDANT

175W



250-400W

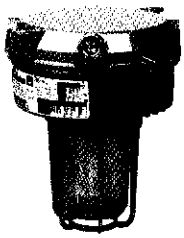


VM 175-400 WATT PULSE START METAL HALIDE PENDANT

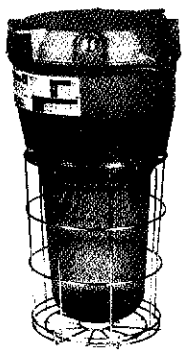
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
175	M-137	3/4"	QUAD	VMUA-2-60GG	VMUA-2-60G58	—
			TRI	VMUA-2-66GG	VMUA-2-66G58	
			480	VMUA-2-65GG	VMUA-2-65G58	
250	M-138	3/4"	QUAD	VMPA-2-70GG	VMPA-2-70G5	VMPA-2-70ER
			TRI	VMPA-2-76GG	VMPA-2-76G5	VMPA-2-76ER
			480	VMPA-2-75GG	VMPA-2-75G5	VMPA-2-75ER
320	M-132	3/4"	QUAD	VMPA-2-320GG	VMPA-2-320G5	VMPA-2-320ER
			TRI	VMPA-2-326GG	VMPA-2-326G5	VMPA-2-326ER
			480	VMPA-2-325GG	VMPA-2-325G5	VMPA-2-325ER
350	M-131	3/4"	QUAD	VMPA-2-350GG	VMPA-2-350G5	VMPA-2-350ER
			TRI	VMPA-2-356GG	VMPA-2-356G5	VMPA-2-356ER
			480	VMPA-2-355GG	VMPA-2-355G5	VMPA-2-355ER
400	M-135	3/4"	QUAD	VMPA-2-80GG	VMPA-2-80G5	VMPA-2-80ER
			TRI	VMPA-2-86GG	VMPA-2-86G5	VMPA-2-86ER
			480	VMPA-2-85GG	VMPA-2-85G5	VMPA-2-85ER

CEILING

175W



250-400W



VM 175-400 WATT PULSE START METAL HALIDE CEILING

WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
175	M-137	3/4"	QUAD	VMUX-2-60GG	VMUX-2-60G58	—
			TRI	VMUX-2-66GG	VMUX-2-66G58	
			480	VMUX-2-65GG	VMUX-2-65G58	
250	M-138	3/4"	QUAD	VMPX-2-70GG	VMPX-2-70G5	VMPX-2-70ER
			TRI	VMPX-2-76GG	VMPX-2-76G5	VMPX-2-76ER
			480	VMPX-2-75GG	VMPX-2-75G5	VMPX-2-75ER
320	M-132	3/4"	QUAD	VMPX-2-320GG	VMPX-2-320G5	VMPX-2-320ER
			TRI	VMPX-2-326GG	VMPX-2-326G5	VMPX-2-326ER
			480	VMPX-2-325GG	VMPX-2-325G5	VMPX-2-325ER
350	M-131	3/4"	QUAD	VMPX-2-350GG	VMPX-2-350G5	VMPX-2-350ER
			TRI	VMPX-2-356GG	VMPX-2-356G5	VMPX-2-356ER
			480	VMPX-2-355GG	VMPX-2-355G5	VMPX-2-355ER
400	M-135	3/4"	QUAD	VMPX-2-80GG	VMPX-2-80G5	VMPX-2-80ER
			TRI	VMPX-2-86GG	VMPX-2-86G5	VMPX-2-86ER
			480	VMPX-2-85GG	VMPX-2-85G5	VMPX-2-85ER

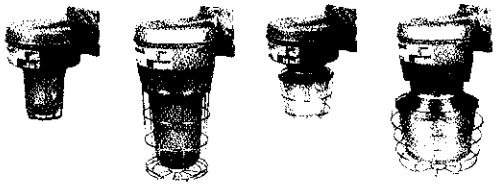
L

① *See hazardous application data on pages L58-L60 for limitations.*
② *Hub size shown is 3/4" NPT, for 1" pendant or ceiling, change "**2**" to "**3**" in catalog number; e.g. **VMUA-3-60GG**. For flexible 3/4" pendant mounting, order **VMA-24 SU75** w/ ballast tank, optic and guard.*
③ *Omit 2nd "**G**" for Globe only.*
④ *Order Refractor Guards separately. On Series VMU 8" refractors are standard. To order 12" refractor, delete "**8**" from catalog number. To order fixture with other refractors, change catalog number as shown in refractor chart page L54.*

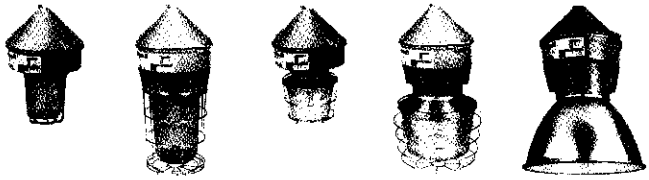
HUBBELL
KILLARK

VM SERIES • LIGHTING
PULSE START METAL HALIDE, 175-400W MOGUL BASE HID

Wall



Cone Top



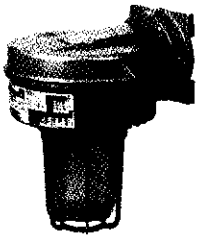
Class I, Div. 2, Groups A,B,C,D ①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

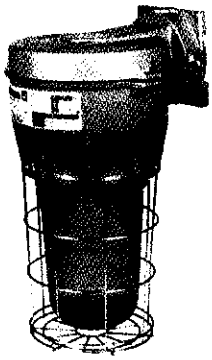
Certified - File LR11713

WALL

175W



250-400W

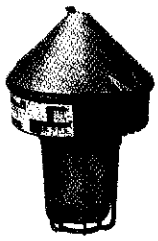


VM 175-400 WATT PULSE START METAL HALIDE WALL

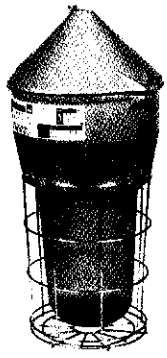
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
175	M-137	3/4"	QUAD	VMUB-2-60GG	VMUB-2-60G58	—
			TRI	VMUB-2-66GG	VMUB-2-66G58	
			480	VMUB-2-65GG	VMUB-2-65G58	
250	M-138	3/4"	QUAD	VMPB-2-70GG	VMPB-2-70G5	—
			TRI	VMPB-2-76GG	VMPB-2-76G5	
			480	VMPB-2-75GG	VMPB-2-75G5	
320	M-132	3/4"	QUAD	VMPB-2-320GG	VMPB-2-320G5	—
			TRI	VMPB-2-326GG	VMPB-2-326G5	
			480	VMPB-2-325GG	VMPB-2-325G5	
350	M-131	3/4"	QUAD	VMPB-2-350GG	VMPB-2-350G5	—
			TRI	VMPB-2-356GG	VMPB-2-356G5	
			480	VMPB-2-355GG	VMPB-2-355G5	
400	M-135	3/4"	QUAD	VMPB-2-80GG	VMPB-2-80G5	—
			TRI	VMPB-2-86GG	VMPB-2-86G5	
			480	VMPB-2-85GG	VMPB-2-85G5	

CONE TOP

175W



250-400W



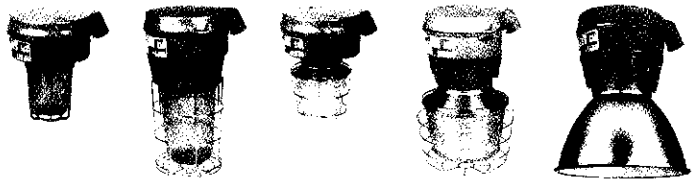
VM 175-400 WATT PULSE START METAL HALIDE CONE TOP

WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
175	M-137	3/4"	QUAD	VMUC-2-60GG	VMUC-2-60G58	—
			TRI	VMUC-2-66GG	VMUC-2-66G58	
			480	VMUC-2-65GG	VMUC-2-65G58	
250	M-138	3/4"	QUAD	VMPC-2-70GG	VMPC-2-70G5	VMPC-2-70ER
			TRI	VMPC-2-76GG	VMPC-2-76G5	VMPC-2-76ER
			480	VMPC-2-75GG	VMPC-2-75G5	VMPC-2-75ER
320	M-132	3/4"	QUAD	VMPC-2-320GG	VMPC-2-320G5	VMPC-2-320ER
			TRI	VMPC-2-326GG	VMPC-2-326G5	VMPC-2-326ER
			480	VMPC-2-325GG	VMPC-2-325G5	VMPC-2-325ER
350	M-131	3/4"	QUAD	VMPC-2-350GG	VMPC-2-350G5	VMPC-2-350ER
			TRI	VMPC-2-356GG	VMPC-2-356G5	VMPC-2-356ER
			480	VMPC-2-355GG	VMPC-2-355G5	VMPC-2-355ER
400	M-135	3/4"	QUAD	VMPC-2-80GG	VMPC-2-80G5	VMPC-2-80ER
			TRI	VMPC-2-86GG	VMPC-2-86G5	VMPC-2-86ER
			480	VMPC-2-85GG	VMPC-2-85G5	VMPC-2-85ER

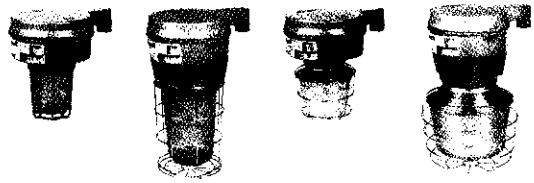
① *See hazardous application data on pages L58-L60 for limitations.*
② *Hub size shown is 3/4" NPT, for 1" wall bracket, change "2" to "3" in catalog number; e.g.* ***VMUB-3-60GG.***
③ *Omit 2nd "G" for Globe only.*
④ *Order Refractor Guards separately. On Series VMU 8" refractors are standard.*
To order 12" refractor, delete "8" from catalog number.
To order fixture with other refractors, change catalog number as shown in refractor chart page L54.

HUBBELL
KILLARK

Stanchion
25° Angle



Stanchion
Straight



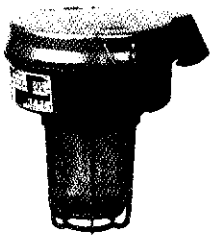
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

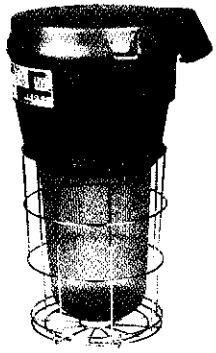
Certified - File LR11713

STANCHION 25° ANGLE

175W



250-400W

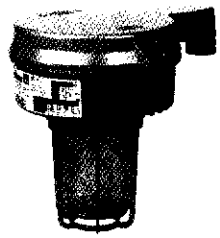


VM 175-400 WATT PULSE START METAL HALIDE STANCHION 25° ANGLE

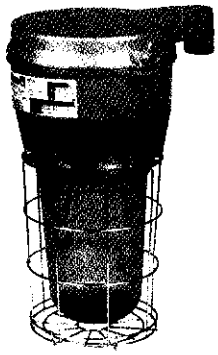
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
175	M-137	1-1/4"	QUAD	VMUD-4-60GG	VMUD-4-60G58	—
			TRI	VMUD-4-66GG	VMUD-4-66G58	
			480	VMUD-4-65GG	VMUD-4-65G58	
250	M-138	1-1/4"	QUAD	VMPD-4-70GG	VMPD-4-70G5	VMPD-4-70ER
			TRI	VMPD-4-76GG	VMPD-4-76G5	VMPD-4-76ER
			480	VMPD-4-75GG	VMPD-4-75G5	VMPD-4-75ER
320	M-132	1-1/4"	QUAD	VMPD-4-320GG	VMPD-4-320G5	VMPD-4-320ER
			TRI	VMPD-4-326GG	VMPD-4-326G5	VMPD-4-326ER
			480	VMPD-4-325GG	VMPD-4-325G5	VMPD-4-325ER
350	M-131	1-1/4"	QUAD	VMPD-4-350GG	VMPD-4-350G5	VMPD-4-350ER
			TRI	VMPD-4-356GG	VMPD-4-356G5	VMPD-4-356ER
			480	VMPD-4-355GG	VMPD-4-355G5	VMPD-4-355ER
400	M-135	1-1/4"	QUAD	VMPD-4-80GG	VMPD-4-80G5	VMPD-4-80ER
			TRI	VMPD-4-86GG	VMPD-4-86G5	VMPD-4-86ER
			480	VMPD-4-85GG	VMPD-4-85G5	VMPD-4-85ER

STANCHION STRAIGHT

175W



250-400W



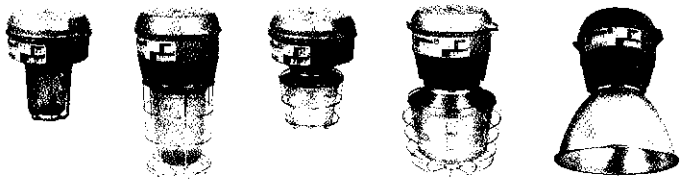
VM 175-400 WATT PULSE START METAL HALIDE STANCHION STRAIGHT

WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
175	M-137	1-1/2"	QUAD	VMUS-5-60GG	VMUS-5-60G58	—
			TRI	VMUS-5-66GG	VMUS-5-66G58	
			480	VMUS-5-65GG	VMUS-5-65G58	
250	M-138	1-1/2"	QUAD	VMPS-5-70GG	VMPS-5-70G5	—
			TRI	VMPS-5-76GG	VMPS-5-76G5	
			480	VMPS-5-75GG	VMPS-5-75G5	
320	M-132	1-1/2"	QUAD	VMPS-5-320GG	VMPS-5-320G5	—
			TRI	VMPS-5-326GG	VMPS-5-326G5	
			480	VMPS-5-325GG	VMPS-5-325G5	
350	M-131	1-1/2"	QUAD	VMPS-5-350GG	VMPS-5-350G5	—
			TRI	VMPS-5-356GG	VMPS-5-356G5	
			480	VMPS-5-355GG	VMPS-5-355G5	
400	M-135	1-1/2"	QUAD	VMPS-5-80GG	VMPS-5-80G5	—
			TRI	VMPS-5-86GG	VMPS-5-86G5	
			480	VMPS-5-85GG	VMPS-5-85G5	

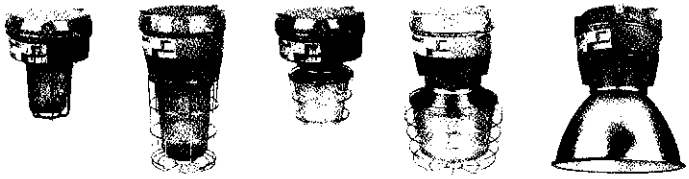
① See hazardous application data on pages L58-L60 for limitations.
② 25° Stanchion hub size shown is 1-1/4" NPT. For 1-1/2" change "4" to "5"; e.g. VMUD-5-60GG.
③ Omit 2nd "G" for Globe only.
④ Order Refractor Guards separately. On Series VMU 8" refractors are standard.
To order 12" refractor, delete "8" from catalog number.
To order fixture with other refractors, change catalog number as shown in refractor chart page L54.

VM SERIES • LIGHTING
MERCURY VAPOR, 100-400W MOGUL BASE HID

Pendant



Ceiling



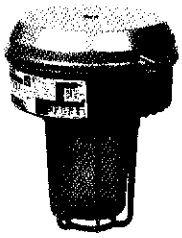
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

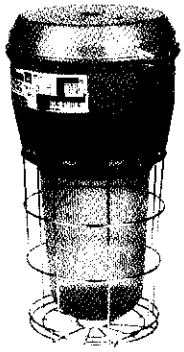
Certified - File LR11713

PENDANT

100-250W



400W

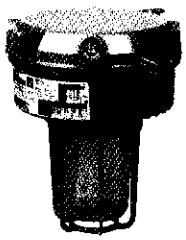


VM 100-400 WATT MERCURY VAPOR PENDANT

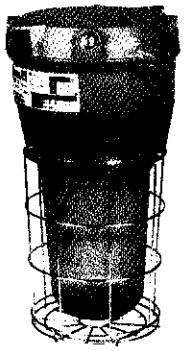
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
100	H-38	3/4"	QUAD	VMKA-2-50GG	VMKA-2-50G58	—
			TRI	VMKA-2-56GG	VMKA-2-56G58	
			480	VMKA-2-55GG	VMKA-2-55G58	
175	H-39	3/4"	QUAD	VMKA-2-60GG	VMKA-2-60G58	—
			TRI	VMKA-2-66GG	VMKA-2-66G58	
			480	VMKA-2-65GG	VMKA-2-65G58	
250	H-37	3/4"	QUAD	VMKA-2-70GG	VMKA-2-70G58	—
			TRI	VMKA-2-76GG	VMKA-2-76G58	
			480	VMKA-2-75GG	VMKA-2-75G58	
400	H-33	3/4"	QUAD	VMEA-2-80GG	VMEA-2-80G5	VMEA-2-80ER
			TRI	VMEA-2-86GG	VMEA-2-86G5	VMEA-2-86ER
			480	VMEA-2-85GG	VMEA-2-85G5	VMEA-2-85ER

CEILING

100-250W



400W



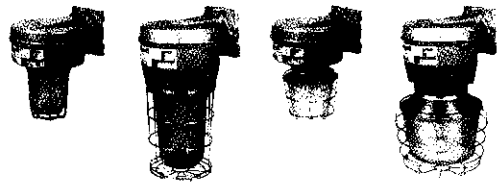
VM 100-400 WATT MERCURY VAPOR CEILING

WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
100	H-38	3/4"	QUAD	VMKX-2-50GG	VMKX-2-50G58	—
			TRI	VMKX-2-56GG	VMKX-2-56G58	
			480	VMKX-2-55GG	VMKX-2-55G58	
175	H-39	3/4"	QUAD	VMKX-2-60GG	VMKX-2-60G58	—
			TRI	VMKX-2-66GG	VMKX-2-66G58	
			480	VMKX-2-65GG	VMKX-2-65G58	
250	H-37	3/4"	QUAD	VMKX-2-70GG	VMKX-2-70G58	—
			TRI	VMKX-2-76GG	VMKX-2-76G58	
			480	VMKX-2-75GG	VMKX-2-75G58	
400	H-33	3/4"	QUAD	VMEX-2-80GG	VMEX-2-80G5	VMEX-2-80ER
			TRI	VMEX-2-86GG	VMEX-2-86G5	VMEX-2-86ER
			480	VMEX-2-85GG	VMEX-2-85G5	VMEX-2-85ER

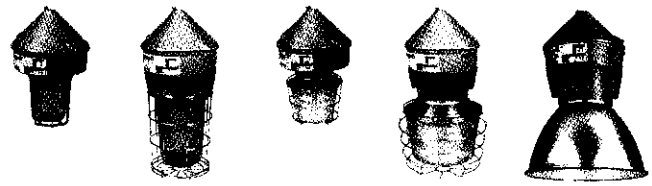
① See hazardous application data on pages L58-L60 for limitations.
*② Hub size shown is 3/4" NPT, for 1" pendant or ceiling, change "**2**" to "**3**" in catalog number; e.g. **VMKA-3-60GG**. For flexible 3/4" pendant mounting, order VMA-24 SU75 w/ ballast tank, optic and guard.*
*③ Omit 2nd "**G**" for Globe only.*
*④ Order Refractor Guards separately. On Series VMK 8" refractors are standard. To order 12" refractor, delete "**8**" from catalog number. To order fixture with other refractors, change catalog number as shown in refractor chart page L54.*

HUBBELL
KILLARK®

Wall



Cone Top



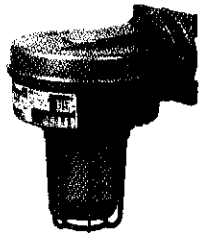
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

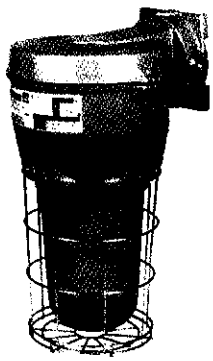
Certified - File LR11713

WALL

100-250W



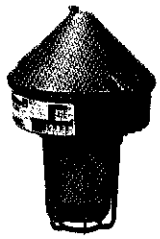
400W



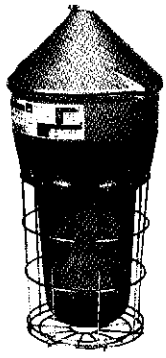
VM 100-400 WATT MERCURY VAPOR WALL						
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
100	H-38	3/4"	QUAD	VMKB-2-50GG	VMKB-2-50G58	—
			TRI	VMKB-2-56GG	VMKB-2-56G58	
			480	VMKB-2-55GG	VMKB-2-55G58	
175	H-39	3/4"	QUAD	VMKB-2-60GG	VMKB-2-60G58	—
			TRI	VMKB-2-66GG	VMKB-2-66G58	
			480	VMKB-2-65GG	VMKB-2-65G58	
250	H-37	3/4"	QUAD	VMKB-2-70GG	VMKB-2-70G58	—
			TRI	VMKB-2-76GG	VMKB-2-76G58	
			480	VMKB-2-75GG	VMKB-2-75G58	
400	H-33	3/4"	QUAD	VMEB-2-80GG	VMEB-2-80G5	—
			TRI	VMEB-2-86GG	VMEB-2-86G5	
			480	VMEB-2-85GG	VMEB-2-85G5	

CONE TOP

100-250W



400W

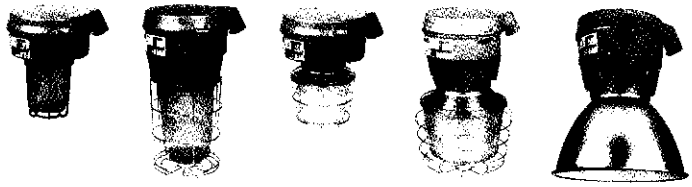


VM 100-400 WATT MERCURY VAPOR CONE TOP						
WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
100	H-38	3/4"	QUAD	VMKC-2-50GG	VMKC-2-50G58	—
			TRI	VMKC-2-56GG	VMKC-2-56G58	
			480	VMKC-2-55GG	VMKC-2-55G58	
175	H-39	3/4"	QUAD	VMKC-2-60GG	VMKC-2-60G58	—
			TRI	VMKC-2-66GG	VMKC-2-66G58	
			480	VMKC-2-65GG	VMKC-2-65G58	
250	H-37	3/4"	QUAD	VMKC-2-70GG	VMKC-2-70G58	—
			TRI	VMKC-2-76GG	VMKC-2-76G58	
			480	VMKC-2-75GG	VMKC-2-75G58	
400	H-33	3/4"	QUAD	VMEC-2-80GG	VMEC-2-80G5	VMEC-2-80ER
			TRI	VMEC-2-86GG	VMEC-2-86G5	VMEC-2-86ER
			480	VMEC-2-85GG	VMEC-2-85G5	VMEC-2-85ER

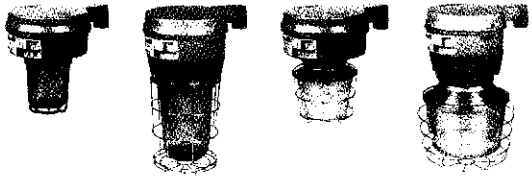
① *See hazardous application data on pages L58-L60 for limitations.*
② *Hub size shown is 3/4" NPT, for 1" wall bracket, change "**2**" to "**3**" in catalog number; e.g. **VMKB-3-60GG***
③ *Omit 2nd "**G**" for Globe only.*
④ *Order Refractor Guards separately. On Series VMK 8" refractors are standard. To order 12" refractor, delete "**8**" from catalog number. To order fixture with other refractors, change catalog number as shown in refractor chart page L54.*

HUBBELL
KILLARK

Stanchion 25° Angle



Stanchion Straight



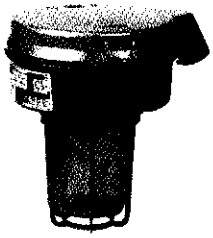
Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

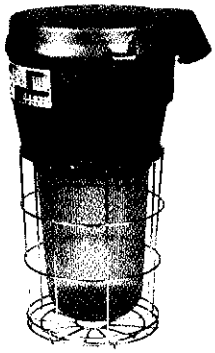
Certified - File LR11713

STANCHION 25° ANGLE

100-250W



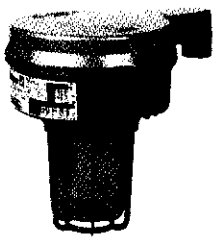
400W



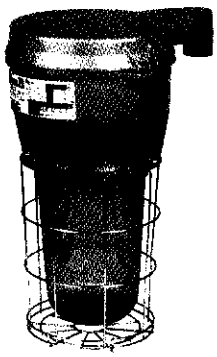
VM 100-400 WATT MERCURY VAPOR STANCHION 25° ANGLE						
WATTS	ANSI LAMP	HUB SIZE②	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
100	H-38	1-1/4"	QUAD	VMKD-4-50GG	VMKD-4-50G58	—
			TRI	VMKD-4-56GG	VMKD-4-56G58	
			480	VMKD-4-55GG	VMKD-4-55G58	
175	H-39	1-1/4"	QUAD	VMKD-4-60GG	VMKD-4-60G58	—
			TRI	VMKD-4-66GG	VMKD-4-66G58	
			480	VMKD-4-65GG	VMKD-4-65G58	
250	H-37	1-1/4"	QUAD	VMKD-4-70GG	VMKD-4-70G58	—
			TRI	VMKD-4-76GG	VMKD-4-76G58	
			480	VMKD-4-75GG	VMKD-4-75G58	
400	H-33	1-1/4"	QUAD	VMED-4-80GG	VMED-4-80G5	VMED-4-80ER
			TRI	VMED-4-86GG	VMED-4-86G5	VMED-4-86ER
			480	VMED-4-85GG	VMED-4-85G5	VMED-4-85ER

STANCHION STRAIGHT

100-250W

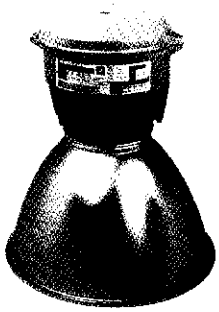


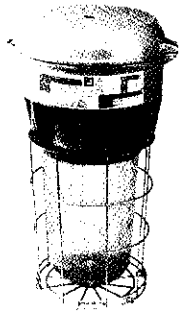
400W

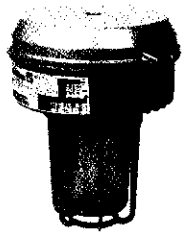


VM 100-400 WATT MERCURY VAPOR STANCHION STRAIGHT						
WATTS	ANSI LAMP	HUB SIZE	VOLTAGE @ 60Hz	CATALOG NUMBER		
				GLOBE AND GUARD③	REFRACTOR④	ENCLOSED REFLECTOR
100	H-38	1-1/2"	QUAD	VMKS-5-50GG	VMKS-5-50G58	—
			TRI	VMKS-5-56GG	VMKS-5-56G58	
			480	VMKS-5-55GG	VMKS-5-55G58	
175	H-39	1-1/2"	QUAD	VMKS-5-60GG	VMKS-5-60G58	—
			TRI	VMKS-5-66GG	VMKS-5-66G58	
			480	VMKS-5-65GG	VMKS-5-65G58	
250	H-37	1-1/2"	QUAD	VMKS-5-70GG	VMKS-5-70G58	—
			TRI	VMKS-5-76GG	VMKS-5-76G58	
			480	VMKS-5-75GG	VMKS-5-75G58	
400	H-33	1-1/2"	QUAD	VMES-5-80GG	VMES-5-80G5	—
			TRI	VMES-5-86GG	VMES-5-86G5	
			480	VMES-5-85GG	VMES-5-85G5	

① See hazardous application data on pages L58-L60 for limitations.
② 25° Stanchion hub size shown is 1-1/4" NPT. For 1-1/2" change "4" to "5"; e.g. VMKD-5-60GG.
③ Omit 2nd "G" for Globe only.
④ Order Refractor Guards separately. On Series VMK 8" refractors are standard . To order 12" refractor, delete "8" from catalog number. To order fixture with other refractors, change catalog number as shown in refractor chart page L54.







AEx nR/Ex nR*
Class I, Div. 2, Groups A,B,C,D*
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G,*
Class III
Suitable for wet locations
UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)

Certified - File LR11713

FEATURES-SPECIFICATIONS

CERTILITE®

Applications

VM Restricted Breathing option fixtures maintain all the features and compliances listed for standard VM lighting fixtures. An alternate testing and installation method allows much lower Temperature Codes when compared to conventional units. Installation requires sealed entry (conduit or cable). See temperature data charts to determine suitability per applicable construction code. Ex nR Restricted Breathing fixtures are available with globe only, not refractors.

CERTI*LITE*® VM fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities.

Compliances

- UL-1572 Standard for HID lighting fixtures
- UL Marine type lighting fixtures
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaries for use in hazardous locations
- IEC 60079-15 Electrical apparatus with "n" type protection
- Enclosed and gasketed
- NEMA 3, 4X

Features

- Ballast tank and splice box — corrosion resistant copper-free aluminum alloy
- HID lampholders are E-39 mogul base
- Baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware — stainless steel
- Guard — copper-free aluminum alloy
- Reflector — lightweight, corrosion resistant polyester reinforced fiberglass

Electrical

Fixtures are available in

- HPS: 50 through 400 watts
- MH: 70 through 400 watts
- MHP: 175 through 400 watts
- MV: 100 through 400 watts

All ballast circuits are high power factor. Consult catalog logic on page L36 for available voltages.

See hazardous location information page L60 for limitations.

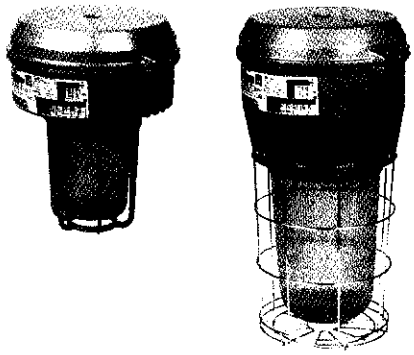
HUBBELL®
KILLARK®

AEx nR / Ex nR①
Class I, Zone 2, Groups IIC,IIB,IIA
Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III
Suitable for wet locations

UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)
Certified - File LR11713

PENDANT⑤



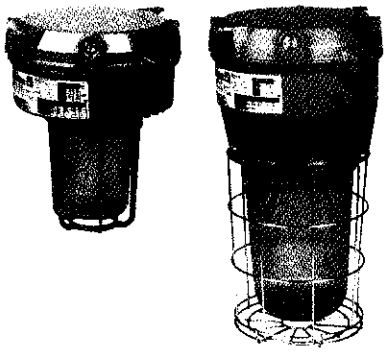
VM standard reflectors may be used. See page L54 for applicable part number.

For Ex nR rated fixtures with enclosed reflectors, add "NR" to catalog number shown on preceding pages e.g. **VMEA-2-80ERNR.**

Restricted Breathing (Ex nR) fixtures are not available with refractors.

① See hazardous application data on page L60 for limitations.
*② Hub size shown is 3/4" NPT, for 1" pendant or ceiling change "2" to "3" in catalog number; e.g. **VMLA-3-40GGNR**.*
*For Flexible 3/4" pendant mounting, order **VMA-24 SU75** w/ ballast tank, optic and guard.*
③ Omit 2nd "G" for Globe only.
④ ANSI Lamp and ballast circuit types are the same as for standard VM fixtures.
⑤ See non-Ex nR version pages L37-L48 for wattage tank size.

CEILING⑤



PENDANT 3/4"② NPT HUB GLOBE & GUARD③

WATTS④	VOLTAGE @ 60Hz	CATALOG NUMBER③ LAMP TYPE HPS	MH	PULSE START MH	MV
50	QUAD	VMLA-2-10GGNR	—	—	—
	TRI	—	—	—	—
	480	—	—	—	—
70	QUAD	VMLA-2-40GGNR	VMMA-2-40GGNR	—	—
	TRI	VMLA-2-46GGNR	VMMA-2-46GGNR	—	—
	480	VMLA-2-45GGNR	VMMA-2-45GGNR	—	—
100	QUAD	VMLA-2-50GGNR	VMMA-2-50GGNR	—	VMKA-2-50GGNR
	TRI	VMLA-2-56GGNR	VMMA-2-56GGNR	—	VMKA-2-56GGNR
	480	VMLA-2-55GGNR	VMMA-2-55GGNR	—	VMKA-2-55GGNR
150	QUAD	VMLA-2-90GGNR	—	—	—
	TRI	VMLA-2-96GGNR	—	—	—
	480	VMLA-2-95GGNR	—	—	—
175	QUAD	—	VMMA-2-60GGNR	VMUA-2-60GGNR	VMKA-2-60GGNR
	TRI	—	VMMA-2-66GGNR	VMUA-2-66GGNR	VMKA-2-66GGNR
	480	—	VMMA-2-65GGNR	VMUA-2-65GGNR	VMKA-2-65GGNR
250	QUAD	VMVA-2-70GGNR	VMMA-2-70GGNR	VMPA-2-70GGNR	VMKA-2-70GGNR
	TRI	VMVA-2-76GGNR	VMMA-2-76GGNR	VMPA-2-76GGNR	VMKA-2-76GGNR
	480	VMVA-2-75GGNR	VMMA-2-75GGNR	VMPA-2-75GGNR	VMKA-2-75GGNR
320	QUAD	—	—	VMPA-2-320GGNR	—
	TRI	—	—	VMPA-2-326GGNR	—
	480	—	—	VMPA-2-325GGNR	—
350	QUAD	—	—	VMPA-2-350GGNR	—
	TRI	—	—	VMPA-2-356GGNR	—
	480	—	—	VMPA-2-355GGNR	—
400	QUAD	VMVA-2-80GGNR	VMFA-2-80GGNR	VMPA-2-80GGNR	VMEA-2-80GGNR
	TRI	VMVA-2-86GGNR	VMFA-2-86GGNR	VMPA-2-86GGNR	VMEA-2-86GGNR
	480	VMVA-2-85GGNR	VMFA-2-85GGNR	VMPA-2-85GGNR	VMEA-2-85GGNR

CEILING 3/4"② NPT HUB GLOBE & GUARD③

WATTS④	VOLTAGE @ 60Hz	CATALOG NUMBER③ LAMP TYPE HPS	MH	PULSE START MH	MV
50	QUAD	VMLX-2-10GGNR	—	—	—
	TRI	—	—	—	—
	480	—	—	—	—
70	QUAD	VMLX-2-40GGNR	VMMX-2-40GGNR	—	—
	TRI	VMLX-2-46GGNR	VMMX-2-46GGNR	—	—
	480	VMLX-2-45GGNR	VMMX-2-45GGNR	—	—
100	QUAD	VMLX-2-50GGNR	VMMX-2-50GGNR	—	VMKX-2-50GGNR
	TRI	VMLX-2-56GGNR	VMMX-2-56GGNR	—	VMKX-2-56GGNR
	480	VMLX-2-55GGNR	VMMX-2-55GGNR	—	VMKX-2-55GGNR
150	QUAD	VMLX-2-90GGNR	—	—	—
	TRI	VMLX-2-96GGNR	—	—	—
	480	VMLX-2-95GGNR	—	—	—
175	QUAD	—	VMMX-2-60GGNR	VMUX-2-60GGNR	VMKX-2-60GGNR
	TRI	—	VMMX-2-66GGNR	VMUX-2-66GGNR	VMKX-2-66GGNR
	480	—	VMMX-2-65GGNR	VMUX-2-65GGNR	VMKX-2-65GGNR
250	QUAD	VMVX-2-70GGNR	VMMX-2-70GGNR	VMPX-2-70GGNR	VMKX-2-70GGNR
	TRI	VMVX-2-76GGNR	VMMX-2-76GGNR	VMPX-2-76GGNR	VMKX-2-76GGNR
	480	VMVX-2-75GGNR	VMMX-2-75GGNR	VMPX-2-75GGNR	VMKX-2-75GGNR
320	QUAD	—	—	VMPX-2-320GGNR	—
	TRI	—	—	VMPX-2-326GGNR	—
	480	—	—	VMPX-2-325GGNR	—
350	QUAD	—	—	VMPX-2-350GGNR	—
	TRI	—	—	VMPX-2-356GGNR	—
	480	—	—	VMPX-2-355GGNR	—
400	QUAD	VMVX-2-80GGNR	VMFX-2-80GGNR	VMPX-2-80GGNR	VMEX-2-80GGNR
	TRI	VMVX-2-86GGNR	VMFX-2-86GGNR	VMPX-2-86GGNR	VMEX-2-86GGNR
	480	VMVX-2-85GGNR	VMFX-2-85GGNR	VMPX-2-85GGNR	VMEX-2-85GGNR

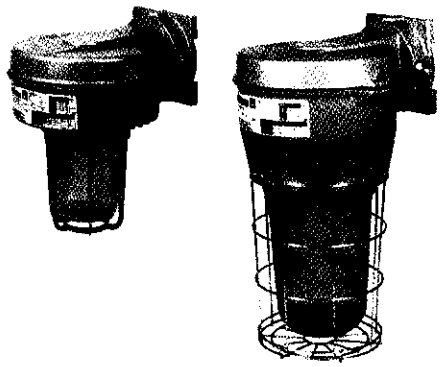
HUBBELL
KILLARK®

AEx nR / Ex nR①
Class I, Zone 2, Groups IIC,IIB,IIA
Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III
Suitable for wet locations

UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)
Certified - File LR11713

WALL⑤



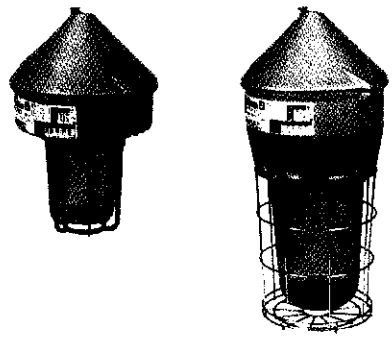
VM standard reflectors may be used. See page L54 for applicable part number.

For Ex nR rated fixtures with enclosed reflectors, add "NR" to catalog number shown on preceding pages e.g. **VMEC-2-80ERNR**.

Restricted Breathing (Ex nR) fixtures are not available with refractors.

① *See hazardous application data on page L60 for limitations.*
② *Hub size shown is 3/4" NPT, for 1" wall change "2" to "3" in catalog number; e.g. VMLB-3-40GGNR.*
③ *Omit 2nd "G" for Globe only.*
④ *ANSI Lamp and ballast circuit types are the same as for standard VM fixtures.*
⑤ *See non-Ex nR version pages L37-L48 for wattage tank size.*

CONE TOP⑤



WALL 3/4"② NPT HUB GLOBE & GUARD③

WATTS④	VOLTAGE @ 60Hz	CATALOG NUMBER LAMP TYPE			
		HPS	MH	PULSE START MH	MV
50	QUAD	VMLB-2-10GGNR	—	—	—
	TRI	—	—	—	—
	480	—	—	—	—
70	QUAD	VMLB-2-40GGNR	VMMB-2-40GGNR	—	—
	TRI	VMLB-2-46GGNR	VMMB-2-46GGNR	—	—
	480	VMLB-2-45GGNR	VMMB-2-45GGNR	—	—
100	QUAD	VMLB-2-50GGNR	VMMB-2-50GGNR	—	VMKB-2-50GGNR
	TRI	VMLB-2-56GGNR	VMMB-2-56GGNR	—	VMKB-2-56GGNR
	480	VMLB-2-55GGNR	VMMB-2-55GGNR	—	VMKB-2-55GGNR
150	QUAD	VMLB-2-90GGNR	—	—	—
	TRI	VMLB-2-96GGNR	—	—	—
	480	VMLB-2-95GGNR	—	—	—
175	QUAD	—	VMMB-2-60GGNR	VMUB-2-60GGNR	VMKB-2-60GGNR
	TRI	—	VMMB-2-66GGNR	VMUB-2-66GGNR	VMKB-2-66GGNR
	480	—	VMMB-2-65GGNR	VMUB-2-65GGNR	VMKB-2-65GGNR
250	QUAD	VMVB-2-70GGNR	VMMB-2-70GGNR	VMPB-2-70GGNR	VMKB-2-70GGNR
	TRI	VMVB-2-76GGNR	VMMB-2-76GGNR	VMPB-2-76GGNR	VMKB-2-76GGNR
	480	VMVB-2-75GGNR	VMMB-2-75GGNR	VMPB-2-75GGNR	VMKB-2-75GGNR
320	QUAD	—	—	VMPB-2-320GGNR	—
	TRI	—	—	VMPB-2-326GGNR	—
	480	—	—	VMPB-2-325GGNR	—
350	QUAD	—	—	VMPB-2-350GGNR	—
	TRI	—	—	VMPB-2-356GGNR	—
	480	—	—	VMPB-2-355GGNR	—
400	QUAD	VMVB-2-80GGNR	VMFB-2-80GGNR	VMPB-2-80GGNR	VMEB-2-80GGNR
	TRI	VMVB-2-86GGNR	VMFB-2-86GGNR	VMPB-2-86GGNR	VMEB-2-86GGNR
	480	VMVB-2-85GGNR	VMFB-2-85GGNR	VMPB-2-85GGNR	VMEB-2-85GGNR

CONE TOP 3/4" NPT HUB GLOBE & GUARD③

WATTS④	VOLTAGE @ 60Hz	CATALOG NUMBER LAMP TYPE			
		HPS	MH	PULSE START MH	MV
50	QUAD	VMLC-2-10GGNR	—	—	—
	TRI	—	—	—	—
	480	—	—	—	—
70	QUAD	VMLC-2-40GGNR	VMMC-2-40GGNR	—	—
	TRI	VMLC-2-46GGNR	VMMC-2-46GGNR	—	—
	480	VMLC-2-45GGNR	VMMC-2-45GGNR	—	—
100	QUAD	VMLC-2-50GGNR	VMMC-2-50GGNR	—	VMKC-2-50GGNR
	TRI	VMLC-2-56GGNR	VMMC-2-56GGNR	—	VMKC-2-56GGNR
	480	VMLC-2-55GGNR	VMMC-2-55GGNR	—	VMKC-2-55GGNR
150	QUAD	VMLC-2-90GGNR	—	—	—
	TRI	VMLC-2-96GGNR	—	—	—
	480	VMLC-2-95GGNR	—	—	—
175	QUAD	—	VMMC-2-60GGNR	VMUC-2-60GGNR	VMKC-2-60GGNR
	TRI	—	VMMC-2-66GGNR	VMUC-2-66GGNR	VMKC-2-66GGNR
	480	—	VMMC-2-65GGNR	VMUC-2-65GGNR	VMKC-2-65GGNR
250	QUAD	VMVC-2-70GGNR	VMMC-2-70GGNR	VMPC-2-70GGNR	VMKC-2-70GGNR
	TRI	VMVC-2-76GGNR	VMMC-2-76GGNR	VMPC-2-76GGNR	VMKC-2-76GGNR
	480	VMVC-2-75GGNR	VMMC-2-75GGNR	VMPC-2-75GGNR	VMKC-2-75GGNR
320	QUAD	—	—	VMPC-2-320GGNR	—
	TRI	—	—	VMPC-2-326GGNR	—
	480	—	—	VMPC-2-325GGNR	—
350	QUAD	—	—	VMPC-2-350GGNR	—
	TRI	—	—	VMPC-2-356GGNR	—
	480	—	—	VMPC-2-355GGNR	—
400	QUAD	VMVC-2-80GGNR	VMFC-2-80GGNR	VMPC-2-80GGNR	VMEC-2-80GGNR
	TRI	VMVC-2-86GGNR	VMFC-2-86GGNR	VMPC-2-86GGNR	VMEC-2-86GGNR
	480	VMVC-2-85GGNR	VMFC-2-85GGNR	VMPC-2-85GGNR	VMEC-2-85GGNR

HUBBELL
KILLARK®

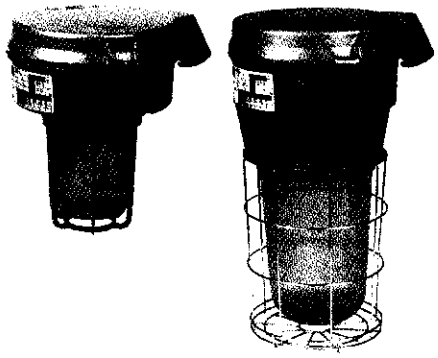
VM SERIES • LIGHTING
Ex nR RESTRICTED BREATHING, 50-400W 25° & STRAIGHT STANCHION

AEx nR / Ex nR[1]
Class I, Zone 2, Groups IIC,IIB,IIA
Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1 & 2, Groups E,F,G
Class III
Suitable for wet locations

UL Marine
NEMA 3, 4X

Listed - Files E10514 and E91793 (Marine)
Certified - File LR11713

STANCHION⑤ 25° ANGLE



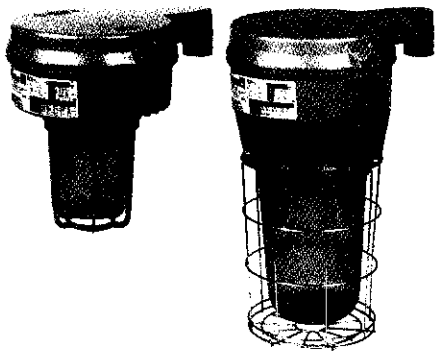
VM standard reflectors may be used. See page L54 for applicable part number.

For Ex nR rated fixtures with enclosed reflectors, add "**NR**" to catalog number shown on preceding pages e.g. **VMED-4-80ERNR**.

Restricted Breathing (Ex nR) fixtures are not available with refractors.

① See hazardous application data on page L60 for limitations.
② 25° stanchion hub size shown in 1-1/4" NPT. For 1-1/2" change "4" to "5" e.g. VMLD-5-10GGNR.
③ Omit 2nd "G" for Globe only.
④ ANSI Lamp and ballast circuit types are the same as for standard VM fixtures.
⑤ See non-Ex nR version pages L37-L48 for wattage tank size.

STANCHION⑤ STRAIGHT



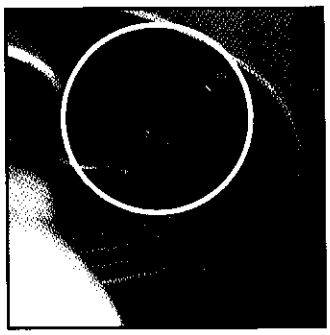
25° STANCHION 1-1/4"② NPT HUB GLOBE & GUARD③

WATTS④	VOLTAGE @ 60Hz	CATALOG NUMBER LAMP TYPE			
		HPS	MH	PULSE START MH	MV
50	QUAD	VMLD-4-10GGNR	—	—	—
	TRI	—	—	—	—
	480	—	—	—	—
70	QUAD	VMLD-4-40GGNR	VMMD-4-40GGNR	—	—
	TRI	VMLD-4-46GGNR	VMMD-4-46GGNR	—	—
	480	VMLD-4-45GGNR	VMMD-4-45GGNR	—	—
100	QUAD	VMLD-4-50GGNR	VMMD-4-50GGNR	—	VMKD-4-50GGNR
	TRI	VMLD-4-56GGNR	VMMD-4-56GGNR	—	VMKD-4-56GGNR
	480	VMLD-4-55GGNR	VMMD-4-55GGNR	—	VMKD-4-55GGNR
150	QUAD	VMLD-4-90GGNR	—	—	—
	TRI	VMLD-4-96GGNR	—	—	—
	480	VMLD-4-95GGNR	—	—	—
175	QUAD	—	VMMD-4-60GGNR	VMUD-4-60GGNR	VMKD-4-60GGNR
	TRI	—	VMMD-4-66GGNR	VMUD-4-66GGNR	VMKD-4-66GGNR
	480	—	VMMD-4-65GGNR	VMUD-4-65GGNR	VMKD-4-65GGNR
250	QUAD	VMVD-4-70GGNR	VMMD-4-70GGNR	VMPD-4-70GGNR	VMKD-4-70GGNR
	TRI	VMVD-4-76GGNR	VMMD-4-76GGNR	VMPD-4-76GGNR	VMKD-4-76GGNR
	480	VMVD-4-75GGNR	VMMD-4-75GGNR	VMPD-4-75GGNR	VMKD-4-75GGNR
320	QUAD	—	—	VMPD-4-320GGNR	—
	TRI	—	—	VMPD-4-326GGNR	—
	480	—	—	VMPD-4-325GGNR	—
350	QUAD	—	—	VMPD-4-350GGNR	—
	TRI	—	—	VMPD-4-356GGNR	—
	480	—	—	VMPD-4-355GGNR	—
400	QUAD	VMVD-4-80GGNR	VMFD-4-80GGNR	VMPD-4-80GGNR	VMED-4-80GGNR
	TRI	VMVD-4-86GGNR	VMFD-4-86GGNR	VMPD-4-86GGNR	VMED-4-86GGNR
	480	VMVD-4-85GGNR	VMFD-4-85GGNR	VMPD-4-85GGNR	VMED-4-85GGNR

STRAIGHT STANCHION 1-1/2" NPT HUB GLOBE & GUARD③

WATTS④	VOLTAGE @ 60Hz	CATALOG NUMBER LAMP TYPE			
		HPS	MH	PULSE START MH	MV
50	QUAD	VMLS-5-10GGNR	—	—	—
	TRI	—	—	—	—
	480	—	—	—	—
70	QUAD	VMLS-5-40GGNR	VMMS-5-40GGNR	—	—
	TRI	VMLS-5-46GGNR	VMMS-5-46GGNR	—	—
	480	VMLS-5-45GGNR	VMMS-5-45GGNR	—	—
100	QUAD	VMLS-5-50GGNR	VMMS-5-50GGNR	—	VMKS-5-50GGNR
	TRI	VMLS-5-56GGNR	VMMS-5-56GGNR	—	VMKS-5-56GGNR
	480	VMLS-5-55GGNR	VMMS-5-55GGNR	—	VMKS-5-55GGNR
150	QUAD	VMLS-5-90GGNR	—	—	—
	TRI	VMLS-5-96GGNR	—	—	—
	480	VMLS-5-95GGNR	—	—	—
175	QUAD	—	VMMS-5-60GGNR	VMUS-5-60GGNR	VMKS-5-60GGNR
	TRI	—	VMMS-5-66GGNR	VMUS-5-66GGNR	VMKS-5-66GGNR
	480	—	VMMS-5-65GGNR	VMUS-5-65GGNR	VMKS-5-65GGNR
250	QUAD	VMVS-5-70GGNR	VMMS-5-70GGNR	VMPS-5-70GGNR	VMKS-5-70GGNR
	TRI	VMVS-5-76GGNR	VMMS-5-76GGNR	VMPS-5-76GGNR	VMKS-5-76GGNR
	480	VMVS-5-75GGNR	VMMS-5-75GGNR	VMPS-5-75GGNR	VMKS-5-75GGNR
320	QUAD	—	—	VMPS-5-320GGNR	—
	TRI	—	—	VMPS-5-326GGNR	—
	480	—	—	VMPS-5-325GGNR	—
350	QUAD	—	—	VMPS-5-350GGNR	—
	TRI	—	—	VMPS-5-356GGNR	—
	480	—	—	VMPS-5-355GGNR	—
400	QUAD	VMVS-5-80GGNR	VMFS-5-80GGNR	VMPS-5-80GGNR	VMES-5-80GGNR
	TRI	VMVS-5-86GGNR	VMFS-5-86GGNR	VMPS-5-86GGNR	VMES-5-86GGNR
	480	VMVS-5-85GGNR	VMFS-5-85GGNR	VMPS-5-85GGNR	VMES-5-85GGNR

HUBBELL
KILLARK



Pendant

Ceiling

Wall

Cone Top

25° Stanchion

Straight Stanchion

Auxiliary Lighting

Momentary voltage outages or dips can temporarily extinguish HID lamps which may require up to ten (10) minutes to restrike. To provide illumination during this period, about 10% of the fixtures should be specified with auxiliary lighting.

Quartz Auxiliary

Quartz auxiliary is available for all VM Series fixtures (except those with plastic refractors) by adding the suffix QTZ to the fixture catalog number. Example: VMLA-2-90GG-QTZ.

Series VML, VMK, VMM and VMV fixtures with this option use 100 or 150 watt quartz lamps. Series VMV, VME and VMF high wattage fixtures can use up to 250 watt quartz lamps. Quartz lamps are not supplied with the fixture. Use quartz lamp type Q100 CL/DC (100W) or Q150 CL/DC (150W) DC Bayonet T-4 Base.

Due to the quartz envelope surface temperature (exceeding 600°C), fixtures with this option are not suitable for Class I, Division 2, Class I, Zone 2, some Class I, Zone 2 Ex nR, Class II and Class III hazardous locations. Contact the factory for specific fixture suitabilities.

Instant Restart

Available for 50-150 Watt VML Series High Pressure Sodium Fixtures by adding Suffix "**IR**" to catalog number (Example: **VMLA-2-50GG-IR**).

Additional instant restart interior circuitry may decrease High Pressure Sodium lamp life. Feature will not affect fixture suitability in hazardous location applications.

Ballast Protection Circuit

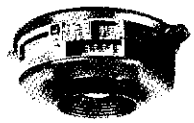
Optional factory installed special ballast protector replaces the standard HPS ignitor and applies starting pulse to the lamp for 10 to 15 seconds each time voltage is supplied to the ballast. If the lamp has not ignited by the end of the time period, the starter will cease pulsing. Used to eliminate the continuous high voltage pulsing of the ignitor when end of life, lamp cycling, or missing lamp conditions exist. Available for 70, 100, 150, 250 and 400 watt HPS fixtures. Add suffix "BP" to fixture catalog number.

Notes: BP and IR cannot be used together. QTZ and IR cannot be used together.

VM MOUNTING SPLICE BOX

CATALOG NUMBER							HUB SIZE
PENDANT①	PENDANT②	CEILING	WALL	CONE TOP	25° STANCHION	STRAIGHT STANCHION	
VMA-2	VMA-24	VMX-2	VMB-2	VMC-2	—	—	3/4"
VMA-3	—	VMX-3	VMB-3	—	—	—	1"
—	—	—	—	—	VMD-4	—	1-1/4"
—	—	—	—	—	VMD-5	VMDS-5	1-1/2"

①*For use with Series VML, VMK, VMM and VMU fixtures.*
②*For use with Series VMV, VME, VMF and VMP fixtures.*
Flexible pendant mounting-order VMA-24 with suffix SU75.
Cone top pendant not suitable for flexible mounting.



50-250 Watt

250-400 Watt

50-400W BALLAST TANK ASSEMBLY

WATTS	VOLTAGE @ 60Hz	CATALOG NUMBER LAMP TYPE			
		HPS	MH	PULSE START MH	MV
50	Quad	VMLO-0-100	—	—	—
	Tri	—	—	—	—
	480	—	—	—	—
70	Quad	VMLO-0-400	VMMO-0-400	—	—
	Tri	VMLO-0-460	VMMO-0-460	—	—
	480	VMLO-0-450	VMMO-0-450	—	—
100	Quad	VMLO-0-500	VMMO-0-500	—	VMKO-0-500
	Tri	VMLO-0-560	VMMO-0-560	—	VMKO-0-560
	480	VMLO-0-550	VMMO-0-550	—	VMKO-0-550
150	Quad	VMLO-0-900	—	—	—
	Tri	VMLO-0-960	—	—	—
	480	VMLO-0-950	—	—	—
175	Quad	—	VMMO-0-600	VMUO-0-600	VMKO-0-600
	Tri	—	VMMO-0-660	VMUO-0-660	VMKO-0-660
	480	—	VMMO-0-650	VMUO-0-650	VMKO-0-650
250	Quad	VMVO-0-700	VMMO-0-700	VMPO-0-700	VMKO-0-700
	Tri	VMVO-0-760	VMMO-0-760	VMPO-0-760	VMKO-0-760
	480	VMVO-0-750	VMMO-0-750	VMPO-0-750	VMKO-0-750
320	Quad	—	—	VMPO-0-3200	—
	Tri	—	—	VMPO-0-3260	—
	480	—	—	VMPO-0-3250	—
350	Quad	—	—	VMPO-0-3500	—
	Tri	—	—	VMPO-0-3560	—
	480	—	—	VMPO-0-3550	—
400	Quad	VMVO-0-800	VMFO-0-800	VMPO-0-800	VMEO-0-800
	Tri	VMVO-0-860	VMFO-0-860	VMPO-0-860	VMEO-0-860
	480	VMVO-0-850	VMFO-0-850	VMPO-0-850	VMEO-0-850

*Note: For Class I, Zone 2 ExnR Restricted Breathing ballast housings, add **"NR"** suffix to catalog number; e.g. **VMLO-0-400NR**. **"NR"** ballast housings are NOT approved for use with refractors.*

HUBBELL
KILLARK®

VM SERIES • LIGHTING COMPONENT PARTS/ACCESSORIES

Globes

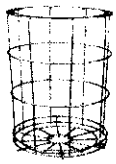
VMG-17

VMGTC-17*

VMG-40

Guards

VMAG-17



VMAG-40

VM SERIES GLOBES & GUARDS					
SERIES	CATALOG NUMBER				DESCRIPTION
	GLOBE	TUFF-SKIN COATED*	TEFLON COATED**	GUARD	
VML,VMM VMU, VMK	VMG-17	VMGT-17	VMGTC-17	VMAG-17	"Small tank" heat and impact resistant glass globe; aluminum guard.
VMV, VMF VMP, VME	VMG-40	—	—	VMAG-40	"Large tank" heat and impact resistant glass globe; plated steel wire guard.

*Registered trademark of Thomas Manufacturing Corp.
**Registered trademark of DuPont, Inc.
Coatings for added resistance to thermal shock, but diminish light output and may hinder heat dissipation.

VMCHVM adapter for upgrading existing Crouse-Hinds® to Killark, see page L147 for more information.

ENY-2SET

VM ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
ENY-2SET 3/4"	Pendant seal for Ex nR applications. See p. L146 for more information.
ENY-3SET 1"	
VMCHVM	Adapter

Refractor Guards

12" VMRWG
8" VMRWG-8

NOTE: Ex nR fixtures and ballast tanks are not rated for use with refractors

LOW WATTAGE REFRACTORS & GUARDS						
I.E.S. TYPE	CATALOG NUMBER					
	8" GLASS	SUFFIX	12" GLASS	SUFFIX	12" PLASTIC	SUFFIX
I	—	—	VZRG-2510	G1	—	—
V	VZRG-1550	G58	VZRG-2550	G5	VZRP-175	P5
Guard	VMRWG-8	—	VMRWG	—	VMRWG	—

To order a fixture with a glass or plastic 12" refractor, change the last 3 numbers from **G58** to the appropriate number found on the chart above. For instance, a **VMLA-2-40G58** to a 12" Type V Plastic Refractor, becomes a **VMLA-2-40P5**. To figure the price, subtract the cost of the 8" refractor from the 12" refractor. Add the cost difference to the fixture ending with **G58**. Low wattage glass refractors are available with Tuffskin coating for added shatter resistance. Add "**T**" to catalog number e.g. **VZRGT-1550**.
Closed bottom glass refractors for use on VMK, VML, VMU and VMM Series up to 250 watts.
12" Closed bottom low wattage plastic refractors for use on VMK, VML, VMU and VMM Series up to 175 watts and are not hazardous location listed.

HIGH WATTAGE REFRACTORS & GUARDS	
I.E.S. TYPE	CATALOG NUMBER
II	VZRG-4020
V	VZRG-4050
Guard	VMRWG

Closed bottom glass refractors for use on VME, VMF, VMP and VMV Series up to 400 watts

Standard Dome

Angle

Deep①

Enclosed②

VM POLYESTER REINFORCED FIBERGLASS REFLECTORS								
SERIES	CATALOG NUMBER							
	STANDARD	DIA.	ANGLE	DIA.	DEEP	DIA.	ENCLOSED	DIA.
VML, VMM VMU, VMK	VMPSD-17	16"	VMPA-17	16"	—	—	—	—
VMV, VMF VMP, VME	VMPSD-40	16"	VMPA-40	16"	HRD-400①	21"	VMER40②	18.25"

Notes: Standard and Angle Reflectors are White Reinforced Fiberglass.
① Deep Reflectors are aluminum with white baked enamel. Also available with Alzak finish, catalog number **HRD400-ALZ**.
② Enclosed Reflectors are Alzak (tm Alcoa) aluminum with heat-tempered lens.

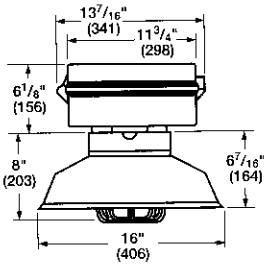
PHOTO CONTROL KITS			
CATALOG NUMBER	VOLTS	WATTS	RATING
KIT 102	120	900W	1800VA
KIT 104	240 (50/60Hz)	900W	1800VA
KIT 105	277	900W	1800VA
KIT 106	480	900W	1800VA

(Not for Hazardous Locations)
Separate photo control kits are designed to turn fixtures on and off at predetermined light levels which may be adjusted. These kits must be installed separately in the electrical system. Suitable for all wattages. Select proper voltage.

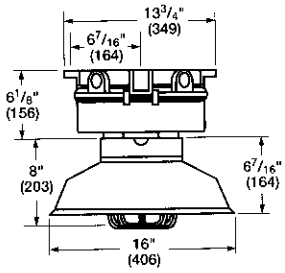
VM SOCKET REPLACEMENTS	
CATALOG NUMBER	DESCRIPTION
0735015B	Mogul socket all VM
16255AAAB	Quartz socket VMK, VML, VMM, VMU
0735033B	Quartz socket VME, VMF, VMP, VMV

HUBBELL
KILLARK®

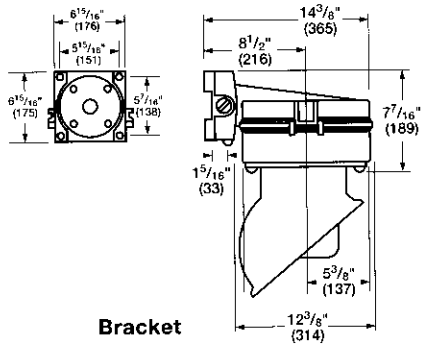
Dimensions — VMK, VML, VMM, VMU



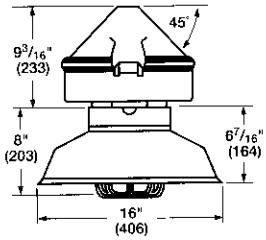
Pendant



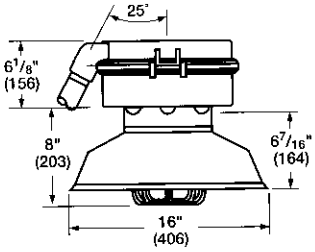
Ceiling



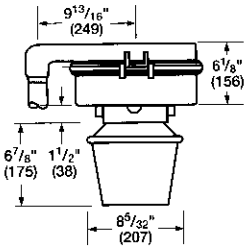
Bracket



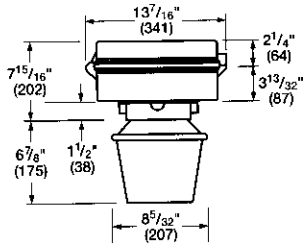
Cone Top



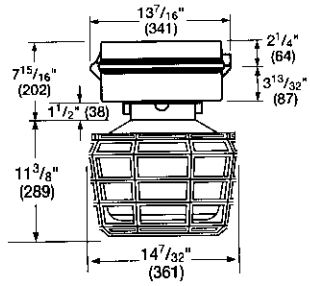
25° Stanchion



Straight Stanchion

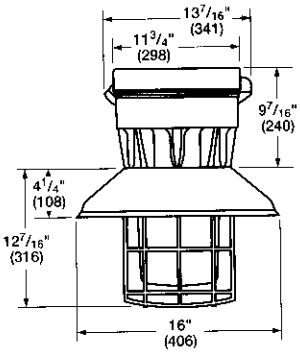


8" Refractor Assembly

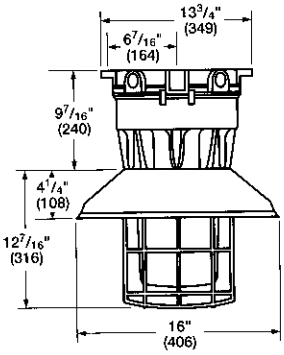


12" Refractor Assembly

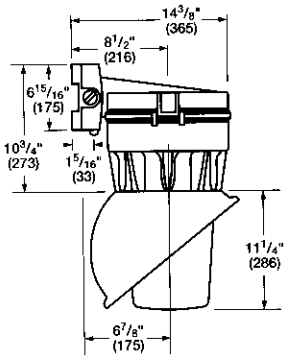
Dimensions — VME, VMF, VMP, VMV



Pendant



Ceiling



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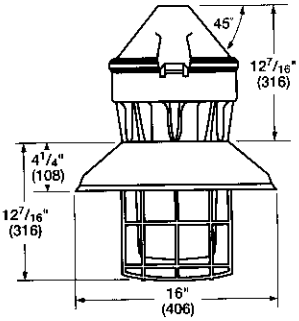
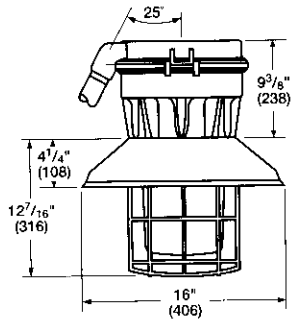
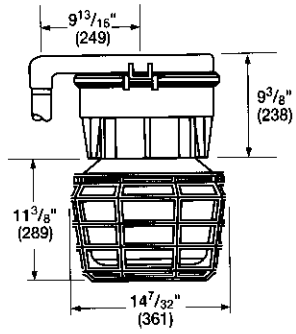


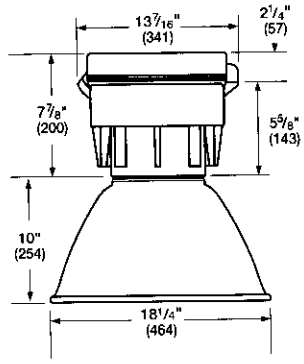
Cone Top



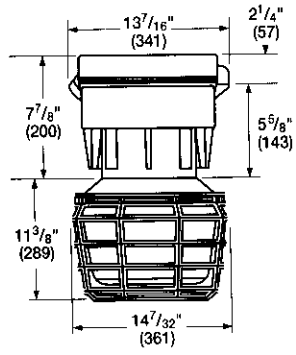
25° Stanchion



Straight Stanchion



Enclosed Reflector



12" Refractor Assembly

HUBBELL®
KILLARK®

BALLAST DATA & FUSE KITS①

LAMP SOURCE	LAMP WATTS/TYPE	VOLTAGE	CURRENT (AMPS) START	CURRENT (AMPS) OPERATING	CURRENT (AMPS) OPEN	INPUT WATTS	BALLAST CIRCUIT①	REGULATION	MIN. START	VM FUSE KIT	EZ FUSE KIT
HPS	50 S-68	120	.58	.58	1.24	62	HX/HPF	±5% VOLTAGE* ±12% WATTAGE	-40C -40F	KIT-138	1FK-3
		208	.35	.33	.59					KIT-135	2FK-2
		240	.30	.29	.50					KIT-135	2FK-2
		277	.24	.25	.44					KIT-134	1FK-2
HPS	70 S-62	120	.75	.81	1.45	93	HX/HPF	±5% VOLTAGE* ±12% WATTAGE	-40C -40F	KIT-136	1FK-5
		208	.45	.47	.85					KIT-135	2FK-3
		240	.35	.40	.75					KIT-135	2FK-2
		277	.37	.35	.65					KIT-134	1FK-2
		480	.21	.21	.36					KIT-135	2FK-2
		347	.28	.30	0.52					KIT-134	1FK-2
HPS	100 S-54	120	1.30	1.15	2.20	130	HX/HPF	±5% VOLTAGE* ±12% WATTAGE	-40C -40F	KIT-140	1FK-7
		208	.76	.67	1.27					KIT-137	2FK-5
		240	.66	.58	1.10					KIT-135	2FK-3
		277	.60	.50	.85					KIT-134	1FK-3
		480	0.35	0.29	.55					KIT-134	2FK-3
		347	.44	.39	.70					KIT-137	1FK-3
		220-240/50	.56/.51	.67/.62	1.28/1.17					KIT-135	2FK-3
HPS	150 (55 VOLT LAMP) S-55	120	2.00	1.65	2.80	188	HX/HPF	±5% VOLTAGE* ±12% WATTAGE	-40C -40F	KIT-142	1FK-10
		208	1.15	.95	1.60					KIT-137	2FK-5
		240	1.00	.83	1.40					KIT-137	2FK-5
		277	.85	.72	1.25					KIT-136	1FK-4
		480	.50	.42	.70					KIT-137	2FK-2
		347	.52	.59	.92					KIT-134	1FK-3
		220-240/50	1.27/1.16	.91/.83	1.52/1.40					KIT-135	2FK-5
HPS	250 S-50	120	1.80	2.75	1.50	295	CWA	±10% VOLTAGE* ±5% WATTAGE	-40C -40F	KIT-142	1FK-7
		208	1.00	1.60	.87					KIT-137	2FK-4
		240	.90	1.38	.75					KIT-137	2FK-4
		277	.78	1.20	.65					KIT-134	1FK-3
		480	.38	.69	.37					KIT-135	2FK-2
		347	.56	.93	.75					KIT-134	1FK-2
		220-240/50	1.00/.90	.91/.83	.90/.80					KIT-137	2FK-5
HPS	400 S-51	120	2.82	4.30	1.83	464	CWA	±10% VOLTAGE* ±5% WATTAGE	-40C -40F	KIT-144	1FK-10
		208	1.56	2.48	1.15					KIT-143	2FK-8
		240	1.36	2.15	.84					KIT-143	2FK-5
		277	1.18	1.86	.71					KIT-136	1FK-5
		480	.60	1.00	.75					KIT-137	2FK-8
		347	1.05	1.40	.75					KIT-136	1FK-5
		220-240/50	1.65/1.50	2.30/2.10	1.20/1.10					KIT-139	2FK-5
MH	70 M-98	120	.80	.85	1.70	90	HX-HPF	±5% VOLTAGE ±12% WATTAGE	-30C -20F	KIT-136	1FK-4
		208	.50	.50	1.04					KIT-137	2FK-3
		240	.43	.43	.87					KIT-137	2FK-2
		277	.39	.39	.78					KIT-135	1FK-2
		480	0.19	0.23	.50					KIT-134	2FK-2
		347	.30	.30	.60					KIT-135	1FK-2
MH	100 M-90	120	1.20	2.60	1.15	129	HX-HPF	±5% VOLTAGE ±12% WATTAGE	-30C -20F -30C -20F	KIT-138	1FK-6
		208	.70	1.50	.60					KIT-137	2FK-4
		240	.61	1.30	.55					KIT-137	2FK-3
		277	.55	1.15	.45					KIT-134	1FK-3
		480	0.30	0.30	0.55					KIT-134	2FK-3
		347	.40	.90	.40					KIT-137	1FK-2
		220-240/50	.45/.41	.52/.51	.60/.85					KIT-135	2FK-2
MH	175 M-57	120	.80	1.80	1.80	210	CWA	±10% VOLTAGE ±5% WATTAGE	-30C -20F	KIT-136	1FK-5
		208	.42	1.04	1.04					KIT-135	2FK-3
		240	.42	.90	.90					KIT-135	2FK-3
		277	.35	.78	.78					KIT-134	1FK-2
		480	.22	.45	.45					KIT-135	2FK-2
		347	.42	.62	.62					KIT-134	1FK-2
		220-240/50	.60/.55	.98/.90	.97/.89					KIT-135	2FK-2
MH	250 M-58	120	1.25	2.60	2.50	294	CWA	±10% VOLTAGE ±5% WATTAGE	-30C -20F	KIT-142	1FK-8
		208	.65	1.50	1.58					KIT-137	2FK-5
		240	.60	1.30	1.25					KIT-137	2FK-5
		277	.50	1.12	1.10					KIT-134	1FK-3
		480	.25	.65	.65					KIT-135	2FK-2
		347	.90	.95	.65					KIT-???	1FK-3
		220-240/50	.94/.86	1.35/1.24	1.20/1.10					KIT-137	2FK-3
MH	400 M-59	120	1.10	4.00	3.80	458	CWA	±10% VOLTAGE ±5% WATTAGE	-30C -20F	KIT-142	1FK-10
		208	.70	2.30	2.20					KIT-141	2FK-7
		240	.52	2.00	1.90					KIT-137	2FK-5
		277	.45	1.75	1.65					KIT-136	1FK-5
		480	.38	1.00	1.00					KIT-137	2FK-3
		347	1.20	1.40	1.35					KIT-137	1FK-5
		220-240/50	1.30/1.19	2.20/2.00	2.10/1.93					KIT-139	2FK-3

① *Fuse kits, for field installation, must be used within guidelines of governing Electric Codes. Fuses not permitted by CSA C22.2 no. 37 for Canada.*
② *All ballasts circuits are High Power Factor 90%+.*
* *Lamp watts: within ANSI trapezoid limitations.*
Consult major lamp & ballast manufacturer catalogs if more detailed data is needed.

BALLAST DATA & FUSE KIT①

LAMP SOURCE	LAMP WATTS/TYPE	VOLTAGE	CURRENT (AMPS) START	CURRENT (AMPS) OPERATING	CURRENT (AMPS) OPEN	INPUT WATTS	BALLAST CIRCUIT②	REGULATION	MIN. START	VM FUSE KIT	EZ FUSE KIT
MHP	175 M-137	120	0.95	1.80	1.80	208	CWA	±10% VOLTAGE ±10% WATTAGE	-30C -20F	KIT-136	1FK-5
		208	0.55	1.05	1.05					KIT-135	2FK-3
		240	0.45	0.90	0.90					KIT-135	2FK-3
		277	0.40	0.80	0.80					KIT-134	1FK-2
		480	0.25	0.50	0.45					KIT-135	2FK-2
		347	0.4	0.70	0.60					KIT-134	1FK-8
MHP	250 M-138	120	2.30	2.50	1.40	288	CWA	±10% VOLTAGE ±10% WATTAGE	-30C -20F	KIT-142	1FK-8
		208	1.30	1.45	0.80					KIT-137	2FK-5
		240	1.15	1.25	0.70					KIT-137	2FK-5
		277	1.00	1.10	0.60					KIT-134	1FK-3
		480	0.21	0.57	0.48					KIT-135	2FK-2
		347	0.45	0.95	0.75					KIT-134	1FK-3
MHP	320 M 132	120	1.80	3.25	2.30	365	CWA	±10% VOLTAGE ±10% WATTAGE	-30C -20F	KIT-142	1FK-8
		208	1.05	1.90	1.35					KIT-139	2FK-6
		240	0.30	1.65	1.15					KIT-137	2FK-5
		277	0.80	1.40	1.00					KIT-134	1FK-3
		480	0.45	0.80	0.60					KIT-135	2FK-5
		347	0.70	1.10	0.80					KIT-134	1FK-5
MHP	350 M-131	120	2.20	3.40	2.20	400	CWA	±10% VOLTAGE ±10% WATTAGE	-30C -20F	KIT-142	1FK-10
		208	1.30	2.00	1.30					KIT-141	2FK-7
		240	1.10	1.70	1.10					KIT-137	2FK-5
		277	1.00	1.50	1.00					KIT-136	1FK-5
		480	0.60	0.85	0.60					KIT-135	2FK-3
		347	0.85	1.20	0.80					KIT-134	1FK-3
MHP	400 M-135	120	2.85	3.80	2.20	452	CWA	±10% VOLTAGE ±10% WATTAGE	-30C -20F	KIT-142	1FK-10
		208	1.65	2.20	1.50					KIT-141	2FK-7
		240	1.45	1.90	1.10					KIT-137	2FK-5
		277	1.25	1.65	0.95					KIT-136	1FK-5
		480	0.75	1.00	0.60					KIT-137	2FK-3
		347	1.10	1.35	0.75					KIT-136	1FK-3
MV	100 H-38	120	1.00	1.05	0.64	125	CWA	±10% VOLTAGE ±5% WATTAGE	-30C -20F	KIT-134	1FK-3
		208	0.58	0.60	0.37					KIT-135	2FK-2
		240	0.50	0.52	0.32					KIT-135	2FK-2
		277	0.43	0.45	0.28					KIT-134	1FK-2
		480	0.25	0.26	0.16					KIT-135	2FK-1
		347	0.35	0.40	0.20					KIT-134	1FK-1
		220-240/50	.56/.51	.59/.54	.25/.23					KIT-135	2FK-2
MV	175 H-39	120	1.70	1.75	0.86	205	CWA	±10% VOLTAGE ±5% WATTAGE	-30C -20F	KIT-136	1FK-5
		208	0.98	1.00	0.50					KIT-135	2FK-3
		240	0.85	0.88	0.43					KIT-135	2FK-3
		277	0.74	0.76	0.37					KIT-134	1FK-2
		480	0.41	0.44	0.20					KIT-135	2FK-2
		347	0.60	0.60	0.21					KIT-134	1FK-2
		220-240/50	.83/.76	.97/.89	.62/.57					KIT-135	2FK-2
MV	250 H-37	120	2.40	2.50	0.60	285	CWA	±10% VOLTAGE ±5% WATTAGE	-30C -20F	KIT-142	1FK-8
		208	1.40	1.45	0.35					KIT-137	2FK-5
		240	1.20	1.25	0.30					KIT-137	2FK-5
		277	1.00	1.10	0.29					KIT-134	1FK-3
		480	0.60	0.62	0.20					KIT-135	2FK-2
		347	0.80	0.85	0.50					KIT-134	1FK-3
		220-240/50	1.40/1.28	1.40/1.28	.38/.35					KIT-137	2FK-5
MV	400 H-33	120	2.90	3.90	1.30	454	CWA	±10% VOLTAGE ±5% WATTAGE	-30C -20F	KIT-142	1FK-10
		208	1.67	2.20	0.75					KIT-143	2FK-8
		240	1.45	1.95	0.65					KIT-137	2FK-5
		277	1.25	1.70	0.56					KIT-136	1FK-5
		480	0.95	0.98	0.24					KIT-137	2FK-5
		347	1.00	1.30	0.45					KIT-136	1FK-4
		220-240/50	1.75/1.61	2.20/2.00	.42/.39					KIT-137	2FK-5

① *Fuse kits, for field installation, must be used within guidelines of governing Electric Codes. Fuses not permitted by CSA C22.2 no.137 for Canada.*
② *All ballasts circuits are High Power Factor 90%+.*
** Lamp watts: within ANSI trapezoid limitations .*
Consult major lamp & ballast manufacturer catalogs if more detailed data is needed.

L

VM SERIES • LIGHTING
APPLICATION DATA FOR HAZARDOUS LOCATIONS

VM HAZARDOUS LOCATION APPLICATION DATA①–CLASS I, DIVISION 2, GROUPS A, B, C, D & CLASS I, ZONE 2, GROUPS IIC,IIB,IIA

LAMP			RATED AMBIENT °C	TEMPERATURE °C				
SERIES	TYPE	WATTAGE		WITHOUT REFLECTOR	WITH REFLECTOR	WITH 8" REFRACTOR	WITH 12" REFRACTOR	SUPPLY WIRE SUITABLE FOR °C
VML	HPS	50	40	200 (T3)	200 (T3)	200 (T3)	180 (T3A)	75
			55	200 (T3)	200 (T3)	200 (T3)	180 (T3A)	90
			65	215 (T2D)	215 (T2D	215 T2D	200 (T3)	90
VML	HPS	70	40	200 (T3)	200 (T3)	200 (T3)	180 (T3A)	75
			55	200 (T3)	200 (T3)	200 (T3)	180 (T3A)	90
			65	215 (T2D)	215 (T2D)	215 (T2D)	200 (T3)	90
VML	HPS	100	40	230 (T2C)	230 (T2C)	230 (T2C)	200 (T3)	90
			55	230 (T2C)	230 (T2C)	230 (T2C)	215 (T2D)	110
			65	—	—	—	215 (T2D)	90
VML	HPS	150	40	260 (T2B)	280 (T2A)	260 (T2B)	260 (T2B)	90
			55	280 (T2A)	280 (T2A)	280 (T2A)	260 (T2B)	110
			65	—	—	—	260 (T2B)	110
VMV	HPS	250	40	325	325	NA	325	90
			55	—	—	—	—	—
			65	—	—	—	—	—
VMV	HPS	400	40	280 (T2A)	280 (T2A)	NA	260 (T2B)	110
			55	—	—	—	—	—
			65	—	—	—	—	—
VMM	MH	70	40	180 (T3A)	180 (T3A)	180 (T3A)	160 (T3C)	75
			55	180 (T3A)	180 (T3A)	180 (T3A)	160 (T3C)	90
			65	200 (T3)	200 (T3)	200 (T3)	165 (T3B)	90
VMM	MH	100	40	215 (T2D)	230 (T2C)	215 (T2D)	200 (T3)	90
			55	230 (T2D)	230 (T2C)	230 (T2C)	200 (T3)	90
			65	230 (T2C)	230 (T2C)	230 (T2C)	215 (T2D)	90
VMM	MH	175	40	300 (T2)	300 (T2)	280 (T2A)	280 (T2A)	110
			55	300 (T2)	300 (T2)	280 (T2A)	280 (T2A)	110
			65	—	—	—	280 (T2A)	110
VMM	MH	250	40	325	325	300 (T2)	300 (T2)	90
			55	—	—	—	300 (T2)	90
			65	—	—	—	—	—
VMF	MH	400	40	325	325	NA	300 (T2)	125
			55	—	—	—	—	—
			65	—	—	—	—	—
VMU	MHP	175	40	300 (T2)	300 (T2)	280 (T2A)	280 (T2A)	110
			55	300 (T2)	300 (T2)	280 (T2A)	280 (T2A)	110
			65	—	—	—	280 (T2A)	110
VMP	MHP	250	40	325	325	300 (T2)	300 (T2)	90
			55	—	—	—	300 (T2)	90
			65	—	—	—	—	—
VMP	MHP	320	40	325	325	NA	300 (T2)	125
			55	—	—	—	—	—
			65	—	—	—	—	—
VMP	MHP	350	40	325	325	NA	300 (T2)	125
			55	—	—	—	—	—
			65	—	—	—	—	—
VMP	MHP	400	40	325	325	NA	300 (T2)	125
			55	—	—	—	—	—
			65	—	—	—	—	—
VMK	MV	100	40	260 (T2B)	260 (T2B)	280 (T2B)	260 (T2B)	90
			55	280 (T2A)	280 (T2A)	280 (T2A)	260 (T2B)	90
			65	280 (T2A)	280 (T2A)	280 (T2A)	260 (T2B)	110
VMK	MV	175	40	300 (T2)	300 (T2)	280 (T2A)	280 (T2A)	110
			55	300 (T2)	325 (T2)	300 (T2)	280 (T2A)	110
			65	—	—	—	280 (T2A)	110
VMK	MV	250	40	300 (T2)	325	325	300 (T2)	110
			55	—	—	—	325	110
			65	—	—	—	—	—
VME	MV	400	40	350	350	NA	325	125
			55	—	—	—	—	—
			65	—	—	—	—	—

① This data does not apply to luminaires with auxiliary quartz lighting. Contact factory with specific requirements and suitability. The suitability of these fixtures for Class I, Division 2 locations must be determined for each application based on Article 501-9(b) (2) of the NEC.

See separate tables page L60 for "Enclosed Reflector" or Ex nR Restricted Breathing temperature data.

HUBBELL

KILLARK®

VM HAZARDOUS LOCATION APPLICATION DATA①–CLASS II, DIVISION 1 & 2, AND CLASS III②

LAMP			RATED AMBIENT③ °C	GROUPS*	TEMPERATURE °C				CLASS III	SUPPLY WIRE SUITABLE FOR °C
SERIES	TYPE	WATTAGE			WITHOUT REFLECTOR	WITH REFLECTOR	WITH 8" REFRACTOR	WITH 12" REFRACTOR		
VML	HPS	50	40	EFG	120 (T4A)	120 (T4A)	120 (T4A)	120 (T4A)	Y	75
			55	EFG	120 (T4A)	120 (T4A)	120 (T4A)	120 (T4A)	Y	90
			65	EFG	135 (T4)	135 (T4)	135 (T4)	135 (T4)	Y	90
VML	HPS	70	40	EFG	135 (T4)	135 (T4)	135 (T4)	135 (T4)	Y	75
			55	EFG	160 (T3C)	160 (T3C)	160 (T3C)	160 (T3C)	Y	90
			65	EFG	160 (T3C)	160 (T3C)	160 (T3C)	160 (T3C)	Y	90
VML	HPS	100	40	EFG*	—	—	160 (T3C)	160 (T3C)	Y*	75
			55	EF	—	—	180 (T3A)	180 (T3A)	N	90
			65	EF	—	—	—	200 (T3)	N	90
VML	HPS	150	40	EFG*	—	—	160 (T3C)	160 (T3C)	Y*	90
			55	EF	—	—	180 (T3A)	180 (T3A)	N	110
			65	—	—	—	—	—	—	—
VMV	HPS	250	40	EFG*	180 (T3A)	180 (T3A)	NA	160 (T3C)	Y*	90
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VMV	HPS	400	40	EFG*	200 (T3)	200 (T3)	NA	160 (T3C)	Y*	110
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VMM	MH	70	40	EFG*	—	—	160 (T3C)	160 (T3C)	Y*	75
			55	EF	—	—	180 (T3A)	180 (T3A)	N	90
			65	EF	—	—	200 (T3)	200 (T3)	N	90
VMM	MH	100	40	EFG*	—	—	160 (T3C)	160 (T3C)	Y*	75
			55	EF	—	—	180 (T3A)	180 (T3A)	N	90
			65	EF	—	—	200 (T3)	200 (T3)	N	90
VMM	MH	175	40	EFG*	—	—	180 (T3A)	160 (T3C)	Y*	90
			55	EF	—	—	—	200 (T3)	N	110
			65	—	—	—	—	—	—	—
VMM	MH	250	40	EFG*	—	—	—	160 (T3C)	Y*	90
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VMF	MH	400	40	EFG*	—	—	NA	160 (T3C)	Y*	125
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VMU	MHP	175	40	EF	—	—	180 (T3A)	180 (T3A)	N	90
			55	EF	—	—	—	200 (T3)	N	110
			65	—	—	—	—	—	—	110
VMP	MHP	250	40	EFG*	—	—	NA	160 (T3C)	Y*	90
			55	—	—	—	NA	—	—	90
			65	—	—	—	—	—	—	—
VMP	MHP	320	40	EFG*	—	—	NA	160 (T3C)	Y*	125
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VMP	MHP	350	40	EFG*	—	—	NA	160 (T3C)	Y*	125
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VMP	MHP	400	40	EFG*	—	—	NA	160 (T3C)	Y*	125
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VMK	MV	100	40	EFG*	—	—	160 (T3C)	160 (T3C)	Y*	75
			55	EF	—	—	180 (T3A)	180 (T3A)	N	90
			65	EF	—	—	200 (T3)	200 (T3)	N	110
VMK	MV	175	40	EFG*	—	—	180 (T3A)	160 (T3C)	Y*	90
			55	EF	—	—	180 (T3A)	180 (T3A)	N	110
			65	—	—	—	—	—	N	110
VMK	MV	250	40	EFG*	—	—	—	160 (T3C)	Y*	110
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—
VME	MV	400	40	EFG*	—	—	NA	160 (T3C)	Y*	125
			55	—	—	—	—	—	—	—
			65	—	—	—	—	—	—	—

HUBBELL®
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① This data does not apply to luminaires with auxiliary quartz lighting. Contact factory with specific requirements and suitability.

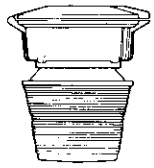
② Guard required for Class II, Div. 1 and Class III application.

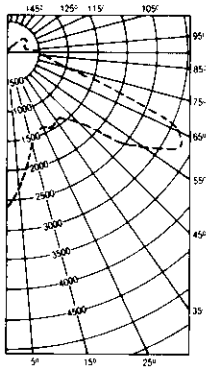
** Fixture configurations with T-CODE ≤165°C are suitable for Class II Group G & Class III.*

HIGH PRESSURE SODIUM
With 12" Glass Refractor IES Type V
50 – 150 Watt Mogul Base

CANDLEPOWER – 150 WATT
E-23½ Clear Lamp
16000 Lumens

For 100 Watt multiply by .59
For 70 Watt multiply by .36
For 50 Watt multiply by .25





ANGLE	CP	ANGLE	CP
0	2528.	95.0	507.
5.0	2307.	100.0	423.
10.0	1923.	105.0	329.
15.0	1621.	110.0	275.
20.0	1418.	115.0	293.
25.0	1360.	120.0	341.
30.0	1401.	125.0	352.
35.0	1371.	130.0	326.
40.0	1400.	135.0	276.
45.0	1580.	140.0	220.
50.0	2069.	145.0	158.
55.0	2679.	150.0	110.
60.0	3168.	155.0	79.
65.0	3195.	160.0	48.
70.0	2128.	165.0	26.
75.0	1197.	170.0	0.
80.0	823.	175.0	0.
85.0	658.	180.0	0.
90.0	576.		

Efficiency 80.1%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	93	93	93	93	89	89	89	89	83	83	83	77	77	77	71	71	71	68
1	82	77	73	69	79	74	70	67	69	65	63	63	61	59	59	57	55	52
2	73	65	58	53	70	62	56	51	58	53	48	53	49	45	49	46	43	40
3	65	55	47	41	62	53	45	40	48	42	38	45	40	35	41	37	33	31
4	58	47	39	33	55	45	38	32	42	35	30	38	33	28	35	30	27	24
5	52	40	32	26	49	39	31	25	35	28	24	32	27	22	30	25	21	19
6	47	35	27	21	45	33	26	20	31	24	19	28	22	18	26	21	17	15
7	43	31	23	17	41	29	22	17	27	20	16	25	19	15	23	18	14	12
8	40	28	20	15	38	26	19	14	24	18	13	22	17	13	21	16	12	10
9	37	25	18	13	35	24	17	12	22	16	12	20	15	11	19	14	10	08
10	34	23	16	11	33	22	15	11	20	14	10	19	13	10	17	12	09	07

SPACING TO MOUNTING HEIGHT RATIO — S/MH .7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 150 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	39.50	13.23	8.27	5.16	2.04	.77	.32	.19	.12	.02	.05
10'	25.28	9.80	5.59	4.61	2.84	1.31	.55	.25	.17	.10	.06
12'	17.56	7.61	4.41	3.56	2.93	1.80	.90	.49	.27	.14	.09
14'	12.90	6.04	3.77	2.88	2.58	1.88	1.23	.86	.39	.23	.13
16'	9.88	5.23	3.31	2.29	2.08	1.76	1.29	.89	.51	.31	.19
18'	7.80	4.47	2.89	1.96	1.66	1.60	1.30	.93	.66	.40	.25
20'	6.32	3.84	2.46	1.76	1.40	1.34	1.15	.97	.71	.48	.33

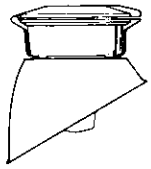
FC = (Candlepower) (COS Θ) / DISTANCE²

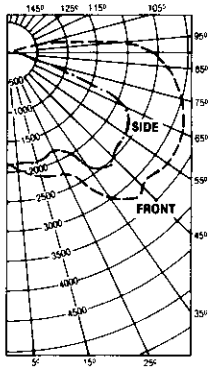
Test No. HP-03464

HIGH PRESSURE SODIUM
With Globe and Angle Reflector
50 – 150 Watt Mogul Base

CANDLEPOWER – 150 WATT
E-23½ Clear Lamp
16000 Lumens

For 100 watt multiply by .59
For 70 watt multiply by .36
For 50 watt multiply by .25





FRONT ANGLE	FRONT CP	SIDE ANGLE	SIDE CP
0	1905	0	1905.
5.0	1977	5.0	1883.
10.0	2095.	10.0	1918.
15.0	2161	15.0	1926.
20.0	2214	20.0	1883.
25.0	2259	25.0	1806.
30.0	2572	30.0	1982.
35.0	3002	35.0	2340.
40.0	3200	40.0	2516.
45.0	3215.	45.0	2504.
50.0	3205.	50.0	2439.
55.0	3266.	55.0	2427.
60.0	3280.	60.0	2346.
65.0	3223.	65.0	2163.
70.0	3149	70.0	1364.
75.0	3003.	75.0	532.
80.0	2843.	80.0	248.
85.0	2654.	85.0	93
90.0	2396.	90.0	25.
95.0	1737	95.0	19.
100.0	829.	100.0	16.
105.0	250.	105.0	20.
110.0	127.	110.0	15.
115.0	43.	115.0	16

Efficiency 72.5%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance															
1	71	66	63	68	65	61	64	61	58	60	58	56	57	55	53	51
2	60	54	49	58	53	48	55	50	46	52	48	45	49	46	43	41
3	52	46	40	51	44	39	48	42	38	45	41	37	42	39	35	34
4	45	38	33	44	37	32	41	36	31	39	34	30	37	33	29	27
5	40	33	27	39	32	27	36	31	26	34	29	25	33	28	24	23
6	35	28	23	34	28	23	32	26	22	31	25	21	29	24	21	19
7	31	24	19	30	24	19	29	23	19	27	22	18	26	21	18	16
8	28	21	16	27	21	16	26	20	16	24	19	15	23	18	15	13
9	25	18	14	24	18	14	23	17	13	22	17	13	21	16	13	11
10	22	15	11	21	15	11	20	15	11	19	14	10	18	13	10	09

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.9

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 150 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'		0'	5'	10'	15'	20'
8'	29.77	26.14	12.22	5.31	2.60	8'	29.77	20.23	9.25	3.42	1.48
10'	19.05	16.88	11.37	5.58	2.90	10'	19.05	13.20	8.85	4.09	1.87
12'	13.23	12.15	10.07	5.44	3.10	12'	13.23	10.16	7.92	4.11	2.22
14'	9.72	9.37	8.25	5.19	3.14	14'	9.72	8.02	6.43	4.00	2.33
16'	7.44	7.47	6.60	4.87	3.06	16'	7.44	6.45	5.00	3.80	2.31
18'	5.88	5.97	5.15	4.48	2.96	18'	5.88	5.32	3.92	3.50	2.27
20'	4.76	4.90	4.22	3.94	2.84	20'	4.76	4.38	3.29	3.12	2.21

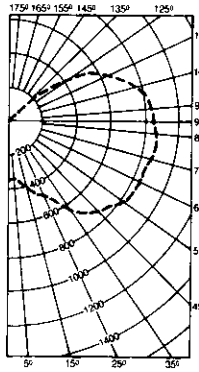
FC = (Candlepower) (COS Θ) / DISTANCE²

Test No. HP-03424

MERCURY VAPOR
With Globe Only
100 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT
E-28 deluxe white coated lamp
8600 Lumens

For 100 watt multiply by .48
For 250 watt multiply by 1.41



ANGLE	CP	ANGLE	CP
0	355.	95.0	843.
5.0	353.	100.0	818.
10.0	372.	105.0	767.
15.0	407.	110.0	710.
20.0	440.	115.0	642.
25.0	488.	120.0	550.
30.0	571.	125.0	404.
35.0	653.	130.0	268.
40.0	709.	135.0	154.
45.0	742.	140.0	47.
50.0	762.	145.0	5.
55.0	806.	150.0	2.
60.0	826.	155.0	0.
65.0	853.	160.0	0.
70.0	850.	165.0	0.
75.0	859.	170.0	0.
80.0	874.	175.0	0.
85.0	868.	180.0	0.
90.0	848.		

Efficiency 88.8%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	98	98	98	98	92	92	92	92	80	80	80	70	70	70	60	60	60	56
1	85	78	73	68	79	73	68	64	63	59	56	54	51	48	46	43	41	37
2	75	65	57	51	69	61	54	48	52	46	42	44	40	36	37	33	30	26
3	67	56	47	40	62	52	44	38	44	38	33	37	32	28	31	27	24	20
4	60	48	39	33	56	45	37	31	38	32	27	32	27	23	27	23	19	16
5	55	42	33	26	50	39	31	25	33	27	21	28	22	18	23	19	15	12
6	50	37	28	22	46	34	26	21	29	23	18	25	19	15	20	16	12	10
7	46	33	24	19	42	30	23	17	26	20	15	22	17	13	18	14	10	08
8	42	29	21	16	38	27	20	15	23	17	13	19	14	11	16	12	08	06
9	39	26	19	14	36	24	17	13	21	15	11	17	12	09	14	10	07	05
10	36	24	17	12	33	22	16	11	19	13	09	16	11	08	13	09	06	04

SPACING TO MOUNTING HEIGHT RATIO — S/MH 2.6

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MX
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	5.54	5.74	2.99	1.36	.68	.37	.22	.14	.10	.07	.05
10'	3.55	3.60	2.62	1.38	.75	.43	.26	.17	.12	.08	.06
12'	2.46	2.50	2.23	1.33	.77	.47	.30	.20	.14	.10	.07
14'	1.81	1.84	1.79	1.22	.77	.49	.32	.22	.15	.11	.08
16'	1.38	1.42	1.43	1.10	.74	.49	.34	.23	.17	.12	.09
18'	1.09	1.12	1.14	.99	.70	.49	.34	.24	.18	.13	.10
20'	.88	.91	.90	.84	.65	.47	.34	.25	.18	.14	.10

FC = (Candlepower) (COS Θ) / DISTANCE²

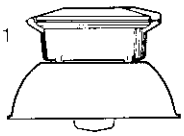
Test No. 5466.0

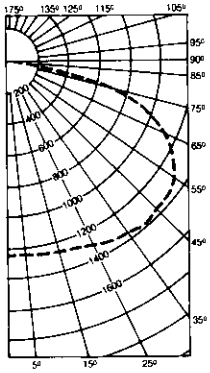
HUBBELL
KILLARK®

MERCURY VAPOR
With Globe and Standard Dome Reflector
100 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT
E-28 deluxe white coated lamp
8600 Lumens

For 100 Watt multiply by .48
For 250 Watt multiply by 1.41





ANGLE	CP	ANGLE	CP
.0	1251.	95.0	24.
5.0	1254.	100.0	28.
10.0	1268.	105.0	37.
15.0	1276.	110.0	50.
20.0	1299.	115.0	44.
25.0	1315.	120.0	38.
30.0	1351.	125.0	39.
35.0	1388.	130.0	22.
40.0	1392.	135.0	10.
45.0	1371.	140.0	2.
50.0	1359.	145.0	1.
55.0	1329.	150.0	0.
60.0	1254.	155.0	0.
65.0	1137.	160.0	0.
70.0	928.	165.0	0.
75.0	647.	170.0	0.
80.0	394.	175.0	0.
85.0	185.	180.0	0.
90.0	61.		

Efficiency 74.2%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10		0
% WALL REFLECTANCE pw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.88	.88	.88	.88	.86	.86	.86	.86	.81	.81	.81	.78	.78	.78	.74	.74	.74	.72
1	.80	.76	.72	.69	.77	.74	.71	.68	.70	.68	.65	.67	.65	.63	.64	.62	.61	.59
2	.72	.65	.59	.54	.69	.63	.58	.54	.60	.56	.52	.57	.54	.51	.55	.52	.49	.47
3	.65	.56	.50	.44	.63	.55	.49	.44	.52	.47	.43	.50	.46	.42	.46	.44	.41	.39
4	.59	.49	.42	.36	.57	.48	.41	.36	.46	.40	.35	.44	.39	.35	.42	.37	.34	.32
5	.53	.42	.35	.30	.51	.41	.34	.29	.39	.33	.29	.38	.32	.28	.36	.31	.28	.26
6	.48	.37	.30	.25	.46	.36	.29	.24	.35	.29	.24	.33	.28	.24	.32	.27	.23	.22
7	.44	.33	.26	.21	.42	.32	.25	.21	.31	.25	.20	.30	.24	.20	.28	.23	.20	.18
8	.40	.29	.22	.18	.39	.29	.22	.17	.27	.21	.17	.26	.21	.17	.25	.20	.17	.15
9	.37	.26	.19	.15	.36	.25	.19	.15	.24	.19	.15	.23	.18	.14	.22	.18	.14	.13
10	.34	.23	.17	.13	.33	.23	.17	.13	.22	.16	.13	.21	.16	.12	.20	.16	.12	.11

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MV
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	19.54	13.00	5.15	1.96	.81	.36	.17	.09	.05	.03	.02
10'	12.51	9.45	4.84	2.24	1.05	.51	.27	.14	.08	.05	.03
12'	8.68	7.12	4.38	2.29	1.20	.65	.36	.20	.12	.07	.05
14'	6.38	5.58	3.81	2.21	1.27	.74	.43	.26	.17	.10	.07
16'	4.88	4.36	3.25	2.09	1.26	.79	.49	.31	.20	.13	.09
18'	3.86	3.52	2.76	1.94	1.26	.82	.53	.35	.24	.16	.11
20'	3.12	2.90	2.36	1.77	1.21	.82	.56	.38	.26	.18	.12

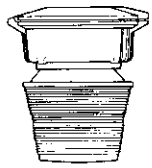
$FC = \frac{(Candlepower)(COS\,\theta)}{DISTANCE^2}$

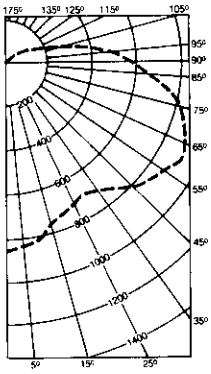
Test No. 5467.0

MERCURY VAPOR
With 8" Glass Refractor IES Type V
100 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT
E-28 deluxe white coated lamp
8600 Lumens

For 100 Watt multiply by .48
For 250 Watt multiply by 1.41





ANGLE	CP	ANGLE	CP
.0	857.	95.0	500.
5.0	844.	100.0	406.
10.0	807.	105.0	297.
15.0	770.	110.0	203.
20.0	735.	115.0	162.
25.0	708.	120.0	150.
30.0	703.	125.0	134.
35.0	728.	130.0	117.
40.0	760.	135.0	97.
45.0	807.	140.0	78.
50.0	844.	145.0	58.
55.0	890.	150.0	31.
60.0	920.	155.0	7.
65.0	918.	160.0	0.
70.0	890.	165.0	0.
75.0	837.	170.0	0.
80.0	752.	175.0	0.
85.0	671.	180.0	0.
90.0	591.		

Efficiency 73.1%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10		0
% WALL REFLECTANCE pw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.84	.84	.84	.84	.80	.80	.80	.80	.73	.73	.73	.67	.67	.67	.61	.61	.61	.59
1	.73	.68	.63	.59	.69	.65	.61	.57	.59	.55	.52	.53	.51	.48	.48	.46	.44	.41
2	.64	.56	.50	.44	.61	.54	.48	.43	.49	.44	.39	.44	.40	.36	.39	.36	.33	.31
3	.58	.48	.41	.35	.54	.46	.39	.34	.42	.36	.31	.37	.33	.29	.34	.30	.27	.24
4	.52	.42	.34	.29	.49	.40	.33	.27	.36	.30	.26	.32	.28	.24	.29	.25	.22	.19
5	.47	.36	.29	.23	.44	.34	.27	.22	.31	.25	.21	.28	.23	.19	.25	.21	.17	.15
6	.43	.32	.24	.19	.40	.30	.23	.19	.27	.22	.17	.25	.20	.16	.22	.18	.15	.13
7	.39	.28	.21	.16	.37	.27	.20	.16	.24	.19	.15	.22	.17	.13	.20	.16	.12	.10
8	.36	.25	.19	.14	.34	.24	.18	.13	.22	.16	.12	.20	.15	.11	.18	.14	.10	.09
9	.33	.23	.16	.12	.32	.22	.16	.11	.20	.14	.11	.18	.13	.10	.16	.12	.09	.07
10	.31	.21	.15	.10	.29	.20	.14	.10	.18	.13	.09	.16	.12	.08	.15	.11	.08	.06

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.3

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MV
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	13.39	6.79	3.24	1.49	.72	.38	.22	.13	.09	.06	.04
10'	8.57	5.05	2.85	1.52	.82	.46	.27	.17	.11	.08	.05
12'	5.95	3.95	2.39	1.44	.86	.51	.30	.20	.14	.09	.07
14'	4.37	3.04	2.00	1.33	.85	.54	.35	.23	.16	.11	.08
16'	3.34	2.56	1.69	1.19	.81	.55	.37	.25	.18	.13	.09
18'	2.64	2.12	1.45	1.06	.76	.54	.38	.27	.19	.14	.10
20'	2.14	1.77	1.26	.92	.71	.51	.38	.28	.20	.15	.11

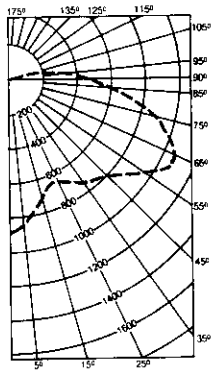
$FC = \frac{(Candlepower)(COS\,\theta)}{DISTANCE^2}$

Test No. 5469.0

MERCURY VAPOR
With 12" Glass Refractor IES Type V
100 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT
E-28 deluxe white coated lamp
8600 Lumens

For 100 Watt multiply by .48
For 250 Watt multiply by 1.41



ANGLE	CP	ANGLE	CP
.0	875.	95.0	293.
5.0	849.	100.0	182.
10.0	794.	105.0	161.
15.0	733.	110.0	154.
20.0	685.	115.0	143.
25.0	671.	120.0	136.
30.0	689.	125.0	108.
35.0	699.	130.0	97.
40.0	739.	135.0	71.
45.0	793.	140.0	56.
50.0	882.	145.0	41.
55.0	983.	150.0	26.
60.0	1060.	155.0	10.
65.0	1060.	160.0	3.
70.0	985.	165.0	0.
75.0	850.	170.0	0.
80.0	734.	175.0	0.
85.0	609.	180.0	0.
90.0	470.		

Efficiency 69.3%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10		0
% WALL REFLECTANCE pw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.80	.80	.80	.80	.77	.77	.77	.77	.72	.72	.72	.67	.67	.67	.62	.62	.62	.60
1	.70	.65	.61	.57	.67	.63	.59	.55	.58	.55	.52	.53	.51	.48	.48	.47	.45	.43
2	.62	.54	.48	.42	.59	.52	.46	.41	.48	.43	.38	.44	.40	.36	.40	.37	.34	.32
3	.55	.46	.39	.33	.52	.44	.38	.32	.40	.35	.30	.37	.33	.29	.34	.30	.27	.25
4	.50	.40	.32	.27	.47	.38	.31	.26	.35	.29	.25	.32	.27	.23	.29	.25	.22	.20
5	.44	.34	.27	.21	.42	.33	.26	.21	.30	.24	.19	.27	.22	.18	.25	.21	.17	.15
6	.40	.30	.23	.17	.38	.29	.22	.17	.26	.20	.16	.24	.19	.15	.22	.18	.14	.12
7	.37	.26	.20	.15	.35	.25	.19	.14	.23	.18	.13	.21	.16	.13	.20	.15	.12	.10
8	.34	.24	.17	.12	.32	.23	.16	.12	.21	.15	.11	.19	.14	.11	.18	.13	.10	.08
9	.31	.21	.15	.11	.30	.20	.14	.10	.19	.13	.10	.17	.12	.09	.16	.12	.08	.07
10	.28	.19	.13	.09	.28	.18	.13	.09	.17	.12	.08	.16	.11	.08	.14	.10	.07	.06

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.2

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MV
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	13.67	6.60	3.43	1.72	.82	.41	.22	.13	.09	.06	.04
10'	8.75	4.82	2.80	1.70	.94	.51	.30	.18	.12	.08	.05
12'	6.07	3.71	2.32	1.52	.98	.59	.36	.22	.14	.10	.07
14'	4.46	2.96	1.92	1.34	.94	.63	.40	.26	.18	.12	.08
16'	3.41	2.42	1.65	1.16	.85	.61	.43	.29	.20	.14	.10
18'	2.70	2.02	1.41	1.03	.78	.59	.43	.31	.22	.16	.11
20'	2.18	1.70	1.20	.88	.70	.54	.42	.32	.23	.17	.13

$FC = \frac{(Candlepower)(COS\,\theta)}{DISTANCE^2}$

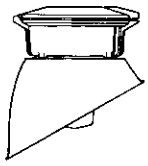
Test No. 5470.0

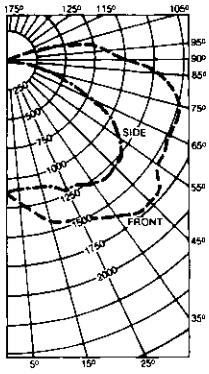
HUBBELL®
KILLARK®

MERCURY VAPOR
with globe and angle reflector
100 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT
E-28 deluxe white coated lamp
8600 Lumens

For 100 Watt multiply by .48
For 250 Watt multiply by 1.41





FRONT ANGLE	FRONT CP	SIDE ANGLE	SIDE CP
0	1170.	0	1170.
5.0	1236.	5.0	1163.
10.0	1277.	10.0	1170.
15.0	1342.	15.0	1186.
20.0	1408.	20.0	1196.
25.0	1467.	25.0	1233.
30.0	1569.	30.0	1266.
35.0	1679.	35.0	1295.
40.0	1734.	40.0	1317.
45.0	1734.	45.0	1291.
50.0	1719.	50.0	1273.
55.0	1697.	55.0	1167.
60.0	1690.	60.0	1024.
65.0	1628.	65.0	790.
70.0	1591.	70.0	548.
75.0	1522.	75.0	314.
80.0	1405.	80.0	124.
85.0	1296.	85.0	25.
90.0	1064.	90.0	0.
95.0	867.	95.0	0.
100.0	556.	100.0	0.
105.0	358.	105.0	0.
110.0	161.	110.0	0.
115.0	54.	115.0	0.

Efficiency 66.0%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.80	.80	.80	.80	.78	.78	.78	.78	.73	.73	.73	.69	.69	.69	.66	.66	.66	.64
1	.72	.68	.64	.61	.69	.66	.63	.60	.62	.59	.57	.59	.56	.54	.55	.54	.52	.50
2	.64	.58	.53	.48	.62	.56	.52	.47	.53	.49	.46	.50	.47	.44	.46	.45	.42	.41
3	.58	.51	.45	.40	.55	.49	.44	.39	.47	.42	.38	.44	.40	.37	.42	.38	.35	.34
4	.53	.44	.38	.33	.51	.43	.37	.33	.41	.36	.32	.39	.34	.31	.37	.33	.30	.28
5	.48	.39	.32	.27	.46	.38	.32	.27	.36	.30	.26	.34	.29	.26	.32	.28	.25	.23
6	.44	.34	.28	.23	.42	.35	.27	.23	.32	.26	.22	.30	.25	.22	.28	.24	.21	.20
7	.40	.31	.24	.20	.38	.30	.24	.20	.28	.23	.19	.27	.22	.19	.26	.21	.18	.17
8	.37	.27	.21	.17	.36	.27	.21	.17	.25	.20	.16	.24	.19	.16	.23	.19	.15	.14
9	.34	.24	.18	.14	.33	.24	.18	.14	.23	.17	.14	.21	.17	.13	.20	.16	.13	.12
10	.32	.22	.16	.12	.30	.21	.16	.12	.20	.15	.12	.19	.15	.12	.19	.14	.11	.10

SPACING TO MOUNTING HEIGHT RATIO — S/MH 3.3

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MV
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'
8'	18.28	15.36	6.53	2.71	1.26
10'	11.70	10.64	6.13	2.89	1.47
12'	8.12	8.23	5.45	2.90	1.60
14'	5.96	6.20	4.61	2.80	1.63
16'	4.57	4.64	3.84	2.63	1.63
18'	3.61	3.70	3.19	2.42	1.59
20'	2.92	3.03	2.66	2.16	1.53

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'
8'	18.28	12.16	4.76	1.51	.51
10'	11.70	8.86	4.56	1.94	.79
12'	8.12	6.60	4.14	2.11	.99
14'	5.96	5.22	3.56	2.06	1.12
16'	4.57	4.03	3.04	1.97	1.19
18'	3.61	3.27	2.59	1.84	1.18
20'	2.92	2.69	2.21	1.66	1.14

FC = (Candlepower) (COS Θ) / DISTANCE²

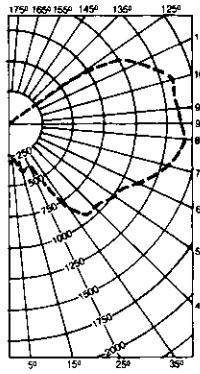
Test No. 5468.0

METAL HALIDE, MHP
with globe only
70-250 MH (175 MHP) Watt Mogul Base

CANDLEPOWER – 175 WATT
E-28 Clear Lamp
14000 Lumens

For 70 Watt multiply by .4
For 100 Watt multiply by .64
For 250 Watt multiply by 1.46

For 175 MHP Watt multiply by 1.14



ANGLE	CP	ANGLE	CP
0	306.	95.0	1398.
5.0	291.	100.0	1377.
10.0	340.	105.0	1343.
15.0	397.	110.0	1275.
20.0	374.	115.0	1211.
25.0	360.	120.0	1167.
30.0	536.	125.0	643.
35.0	835.	130.0	122.
40.0	915.	135.0	16.
45.0	904.	140.0	4.
50.0	961.	145.0	0.
55.0	1029.	150.0	0.
60.0	1070.	155.0	0.
65.0	1148.	160.0	0.
70.0	1231.	165.0	0.
75.0	1315.	170.0	0.
80.0	1374.	175.0	0.
85.0	1400.	180.0	0.
90.0	1398.		

Efficiency 80.3%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.88	.88	.88	.88	.82	.82	.82	.82	.70	.70	.70	.60	.60	.60	.51	.51	.51	.47
1	.75	.70	.64	.60	.69	.64	.60	.56	.55	.51	.48	.46	.43	.40	.37	.35	.33	.29
2	.66	.57	.50	.44	.61	.53	.47	.41	.44	.39	.35	.37	.33	.29	.30	.26	.24	.20
3	.59	.49	.41	.35	.54	.45	.38	.32	.38	.32	.27	.31	.27	.23	.25	.21	.18	.15
4	.53	.42	.34	.28	.49	.39	.32	.26	.33	.27	.22	.27	.22	.18	.21	.17	.14	.11
5	.48	.37	.29	.23	.44	.34	.26	.21	.29	.22	.18	.23	.18	.14	.18	.14	.11	.08
6	.44	.32	.24	.19	.40	.30	.23	.17	.25	.19	.15	.20	.15	.12	.16	.12	.09	.07
7	.40	.29	.21	.16	.37	.26	.20	.15	.22	.16	.12	.18	.13	.10	.14	.10	.07	.05
8	.37	.26	.19	.14	.34	.24	.17	.12	.20	.14	.10	.16	.12	.08	.13	.09	.06	.04
9	.34	.23	.16	.12	.31	.21	.15	.11	.18	.12	.09	.14	.10	.07	.11	.08	.05	.03
10	.32	.21	.15	.10	.29	.19	.13	.09	.16	.11	.08	.13	.09	.06	.10	.07	.04	.03

SPACING TO MOUNTING HEIGHT RATIO — S/MH 3.3

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	4.75	6.21	3.68	1.78	.95	.55	.34	.22	.15	.11	.08
10'	3.04	2.80	3.17	1.75	.99	.60	.38	.26	.18	.13	.10
12'	2.10	2.00	2.86	1.63	.99	.63	.42	.29	.21	.15	.11
14'	1.54	1.62	2.28	1.47	.96	.63	.42	.31	.21	.16	.13
16'	1.16	1.30	1.55	1.37	.91	.63	.43	.32	.23	.17	.13
18'	.93	1.08	1.02	1.25	.85	.62	.43	.32	.24	.18	.14
20'	.75	.87	.69	1.06	.79	.58	.43	.32	.24	.19	.15

FC = (Candlepower) (COS Θ) / DISTANCE²

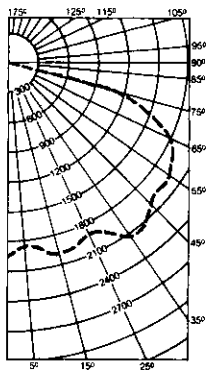
Test No. 5461.0

METAL HALIDE, MHP
with globe and standard dome reflector
70-250 MH (175 MHP) Watt Mogul Base

CANDLEPOWER – 175 WATT
E-28 Clear Lamp
14000 Lumens

For 70 Watt multiply by .4
For 100 Watt multiply by .64
For 250 Watt multiply by 1.46

For 175 MHP Watt multiply by 1.14



ANGLE	CP	ANGLE	CP
0	1886.	95.0	21.
5.0	1863.	100.0	25.
10.0	1896.	105.0	35.
15.0	1928.	110.0	129.
20.0	1884.	115.0	210.
25.0	1826.	120.0	53.
30.0	1917.	125.0	32.
35.0	2153.	130.0	11.
40.0	2127.	135.0	1.
45.0	2026.	140.0	0.
50.0	1987.	145.0	0.
55.0	1934.	150.0	0.
60.0	1879.	155.0	0.
65.0	1815.	160.0	0.
70.0	1733.	165.0	0.
75.0	1167.	170.0	0.
80.0	339.	175.0	0.
85.0	127.	180.0	0.
90.0	16.		

Efficiency 69.2%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.82	.82	.82	.82	.80	.80	.80	.80	.76	.76	.76	.72	.72	.72	.69	.69	.69	.67
1	.74	.71	.68	.65	.72	.69	.66	.63	.68	.63	.61	.63	.61	.59	.60	.58	.57	.55
2	.67	.60	.55	.51	.66	.59	.54	.50	.56	.52	.48	.53	.50	.47	.51	.48	.46	.44
3	.60	.52	.46	.41	.56	.51	.45	.40	.46	.43	.38	.46	.42	.38	.44	.41	.38	.36
4	.54	.45	.39	.34	.52	.44	.38	.33	.42	.37	.32	.40	.36	.32	.38	.34	.31	.29
5	.49	.39	.32	.27	.47	.38	.32	.27	.38	.31	.26	.35	.30	.26	.33	.29	.25	.24
6	.44	.34	.28	.23	.43	.34	.27	.22	.32	.26	.22	.31	.25	.22	.28	.25	.21	.20
7	.41	.30	.24	.19	.39	.30	.23	.19	.28	.23	.19	.27	.22	.18	.25	.21	.18	.17
8	.37	.27	.21	.16	.36	.26	.20	.16	.25	.20	.16	.24	.19	.15	.23	.19	.15	.14
9	.34	.24	.18	.14	.33	.23	.18	.13	.22	.17	.13	.21	.17	.13	.21	.18	.13	.11
10	.32	.22	.16	.12	.31	.21	.16	.12	.20	.15	.12	.19	.15	.11	.19	.14	.11	.10

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	29.34	19.07	7.49	3.02	1.40	.86	.30	.14	.07	.07	.01
10'	18.78	13.13	7.13	3.26	1.63	.89	.50	.26	.16	.06	.05
12'	13.03	10.11	6.67	3.32	1.77	1.01	.62	.37	.22	.13	.02
14'	9.57	8.03	5.88	3.24	1.84	1.10	.68	.45	.31	.19	.12
16'	7.33	6.46	4.76	3.11	1.87	1.16	.75	.50	.34	.25	.18
18'	5.79	5.30	3.89	2.96	1.84	1.18	.79	.53	.30	.27	.20
20'	4.69	4.24	3.21	2.73	1.78	1.19	.81	.57	.40	.29	.21

FC = (Candlepower) (COS Θ) / DISTANCE²

Test No. 5462.0

HUBBELL
KILLARK

METAL HALIDE, MHP

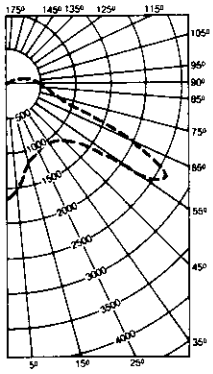
With 8" Glass Refractor IES Type V
70-250 MH (175 MHP) Watt Mogul Base

CANDLEPOWER – 175 WATT

E-28 Clear Lamp
14000 Lumens

For 70 Watt multiply by .4
For 100 Watt multiply by .64
For 250 Watt multiply by 1.46

For 175 MHP Watt multiply by 1.14



ANGLE	CP	ANGLE	CP
.0	1649.	95.0	417.
5.0	1546.	100.0	339.
10.0	1357.	105.0	291.
15.0	1233.	110.0	235.
20.0	1162.	115.0	210.
25.0	1088.	120.0	208.
30.0	1052.	125.0	188.
35.0	1029.	130.0	163.
40.0	1060.	135.0	125.
45.0	1164.	140.0	84.
50.0	1438.	145.0	59.
55.0	2436.	150.0	28.
60.0	2680.	155.0	4.
65.0	1937.	160.0	0.
70.0	1063.	165.0	0.
75.0	795.	170.0	0.
80.0	690.	175.0	0.
85.0	570.	180.0	0.
90.0	481.		

Efficiency 67.1%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10		0
% WALL REFLECTANCE pw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	.78	.78	.78	.78	.75	.75	.75	.75	.69	.69	.69	.65	.65	.65	.60	.60	.60	.58
1	.69	.65	.61	.58	.66	.63	.59	.56	.58	.55	.53	.54	.52	.50	.50	.48	.47	.44
2	.61	.55	.49	.45	.59	.53	.48	.43	.49	.45	.41	.45	.42	.39	.42	.39	.37	.34
3	.55	.47	.40	.35	.52	.45	.39	.34	.42	.37	.33	.39	.34	.31	.36	.32	.29	.27
4	.49	.40	.33	.28	.47	.39	.32	.28	.36	.30	.26	.33	.28	.25	.30	.27	.24	.22
5	.44	.34	.27	.22	.42	.33	.26	.21	.30	.25	.20	.28	.23	.19	.26	.22	.18	.16
6	.40	.30	.23	.18	.38	.28	.22	.17	.26	.21	.16	.24	.19	.15	.22	.18	.15	.13
7	.36	.26	.19	.15	.34	.25	.19	.14	.23	.18	.14	.21	.16	.13	.20	.15	.12	.10
8	.33	.23	.17	.12	.32	.22	.16	.12	.20	.15	.11	.19	.14	.11	.17	.13	.10	.09
9	.31	.21	.15	.10	.29	.20	.14	.10	.18	.13	.10	.17	.12	.09	.15	.11	.08	.07
10	.28	.19	.13	.09	.27	.18	.13	.09	.17	.12	.08	.15	.11	.08	.14	.10	.07	.06

SPACING TO MOUNTING HEIGHT RATIO — S/MH .9

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	25.65	9.89	6.20	4.10	1.12	.42	.21	.12	.08	.05	.04
10'	16.42	7.69	4.09	4.05	1.98	.91	.31	.16	.11	.07	.05
12'	11.39	6.15	3.31	2.75	2.47	1.16	.49	.23	.14	.09	.06
14'	8.37	4.92	2.81	2.05	2.32	1.58	.74	.36	.19	.12	.08
16'	6.41	4.07	2.47	1.68	1.54	1.53	.96	.53	.27	.15	.10
18'	5.06	3.38	2.16	1.47	1.21	1.37	1.10	.69	.40	.21	.12
20'	4.10	2.85	1.93	1.31	1.01	.99	1.05	.81	.49	.28	.17

$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$

Test No. 5464.0

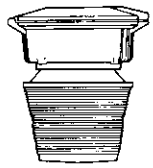
METAL HALIDE, MHP

With 12" Glass Refractor IES Type V
70-250 MH (175 MHP) Watt Mogul Base

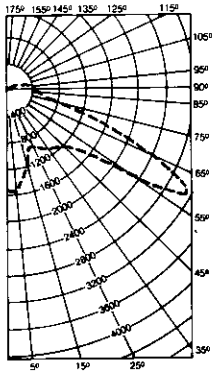
CANDLEPOWER – 175 WATT

E-28 Clear Lamp
14000 Lumens

For 70 Watt multiply by .4
For 100 Watt multiply by .64
For 250 Watt multiply by 1.46



For 175 MHP Watt multiply by 1.14



ANGLE	CP	ANGLE	CP
.0	1492.	95.0	376.
5.0	1354.	100.0	363.
10.0	1156.	105.0	262.
15.0	1049.	110.0	252.
20.0	978.	115.0	234.
25.0	972.	120.0	215.
30.0	1031.	125.0	192.
35.0	1052.	130.0	143.
40.0	1111.	135.0	117.
45.0	1207.	140.0	90.
50.0	1453.	145.0	69.
55.0	2301.	150.0	44.
60.0	3159.	155.0	28.
65.0	2434.	160.0	14.
70.0	1307.	165.0	0.
75.0	798.	170.0	0.
80.0	576.	175.0	0.
85.0	471.	180.0	0.
90.0	417.		

Efficiency 68.2%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10		0
% WALL REFLECTANCE pw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	.79	.79	.79	.79	.76	.76	.76	.76	.71	.71	.71	.66	.66	.66	.61	.61	.61	.59
1	.70	.66	.63	.59	.68	.64	.61	.58	.59	.57	.54	.55	.53	.51	.51	.50	.48	.46
2	.62	.56	.50	.45	.60	.54	.48	.44	.50	.45	.42	.46	.43	.39	.43	.40	.37	.35
3	.56	.47	.41	.36	.53	.46	.40	.35	.42	.37	.33	.39	.35	.31	.36	.33	.30	.28
4	.50	.40	.33	.28	.47	.39	.32	.27	.36	.30	.26	.33	.28	.25	.31	.27	.23	.21
5	.44	.34	.27	.21	.42	.33	.26	.21	.30	.24	.20	.28	.23	.19	.25	.21	.18	.16
6	.40	.28	.22	.17	.38	.28	.21	.17	.26	.20	.16	.24	.19	.15	.22	.17	.14	.12
7	.36	.26	.19	.14	.34	.25	.18	.14	.23	.17	.13	.21	.16	.12	.19	.15	.11	.10
8	.33	.23	.16	.12	.32	.22	.16	.11	.20	.15	.11	.19	.14	.10	.17	.13	.09	.08
9	.31	.20	.14	.10	.29	.20	.14	.10	.18	.13	.09	.17	.12	.08	.15	.11	.08	.06
10	.28	.18	.13	.09	.27	.18	.12	.08	.16	.11	.08	.15	.11	.07	.14	.10	.07	.05

SPACING TO MOUNTING HEIGHT RATIO — S/MH .9

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
8'	23.20	9.85	6.14	4.64	1.39	.47	.21	.11	.07	.04	.03
10'	14.85	6.95	4.24	3.61	2.42	.89	.37	.18	.10	.06	.04
12'	10.30	5.30	3.47	2.73	2.80	1.44	.82	.27	.16	.09	.05
14'	7.57	4.20	2.87	2.10	2.20	1.86	.93	.45	.23	.14	.06
16'	5.79	3.45	2.42	1.76	1.53	1.60	1.16	.68	.43	.18	.11
18'	4.57	2.88	2.09	1.54	1.24	1.30	1.24	.84	.51	.26	.15
20'	3.71	2.42	1.74	1.35	1.05	.98	1.05	.95	.60	.36	.21

$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$

Test No. 5465.0

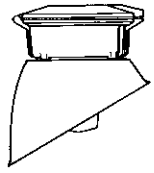
METAL HALIDE, MHP

With Globe and Angle Reflector
70-250 MH (175 MHP) Watt Mogul Base

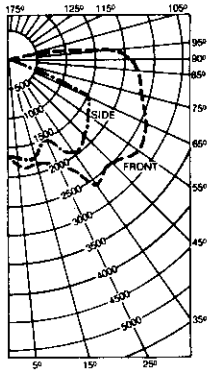
CANDLEPOWER – 175 WATT

E-28 Clear Lamp
14000 Lumens

For 70 Watt multiply by .4
For 100 Watt multiply by .64
For 250 Watt multiply by 1.46



For 175 MHP Watt multiply by 1.14



FRONT ANGLE	FRONT CP	SIDE ANGLE	SIDE CP
.0	1690.	.0	1690.
5.0	1748.	5.0	1680.
10.0	1824.	10.0	1738.
15.0	1891.	15.0	1710.
20.0	1881.	20.0	1557.
25.0	1920.	25.0	1500.
30.0	2206.	30.0	1776.
35.0	2655.	35.0	1967.
40.0	2550.	40.0	1862.
45.0	2559.	45.0	1843.
50.0	2693.	50.0	1757.
55.0	2769.	55.0	1662.
60.0	2664.	60.0	1623.
65.0	2616.	65.0	1538.
70.0	2511.	70.0	793.
75.0	2435.	75.0	268.
80.0	2368.	80.0	96.
85.0	2311.	85.0	29.
90.0	2110.	90.0	0.
95.0	1843.	95.0	0.
100.0	573.	100.0	0.
105.0	163.	105.0	0.
110.0	96.	110.0	0.
115.0	20.	115.0	0.

Efficiency 64.9%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE pcc	80			70			50			30			10		0
% WALL REFLECTANCE pw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	.76	.76	.76	.76	.74	.74	.74	.74	.70	.70	.70	.66	.66	.66	.62	.62	.62	.60
1	.68	.64	.60	.57	.65	.62	.59	.56	.58	.56	.53	.55	.53	.51	.52	.50	.49	.47
2	.61	.54	.49	.45	.59	.53	.48	.44	.50	.46	.42	.47	.43	.41	.44	.41	.39	.37
3	.55	.47	.41	.36	.53	.46	.40	.36	.43	.38	.35	.41	.37	.33	.38	.35	.32	.30
4	.50	.41	.35	.30	.48	.40	.34	.30	.38	.33	.29	.36	.31	.28	.34	.30	.27	.25
5	.45	.36	.29	.25	.43	.35	.29	.24	.33	.28	.24	.31	.27	.23	.29	.25	.22	.21
6	.41	.32	.25	.21	.40	.31	.25	.21	.29	.24	.20	.28	.23	.19	.26	.22	.19	.17
7	.38	.28	.22	.18	.36	.27	.22	.17	.26	.21	.17	.25	.20	.17	.23	.19	.15	.15
8	.35	.25	.19	.15	.33	.24	.19	.15	.23	.18	.14	.22	.17	.14	.21	.17	.14	.12
9	.32	.22	.17	.13	.31	.22	.16	.12	.21	.16	.12	.20	.15	.12	.19	.14	.12	.10
10	.29	.20	.15	.11	.28	.20	.14	.11	.19	.14	.11	.18	.13	.10	.17	.13	.10	.09

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'
8'	26.40	22.72	10.30	4.30	2.04
10'	16.90	14.13	9.03	4.88	2.35
12'	11.73	10.34	8.02	4.57	2.53
14'	8.61	8.02	7.29	4.22	2.66
16'	6.59	6.41	5.87	3.87	2.57
18'	5.20	5.21	4.42	3.56	2.43
20'	4.22	4.26	3.52	3.34	2.26

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'
8'	26.40	17.63	5.82	2.58	.86
10'	16.90	11.11	6.51	2.82	1.40
12'	11.73	8.37	5.85	2.94	1.53
14'	8.61	6.76	5.40	2.92	1.59
16'	6.59	5.59	4.41	2.80	1.65
18'	5.20	4.71	3.54	2.60	1.65
20'	4.22	3.91	2.77	2.48	1.62

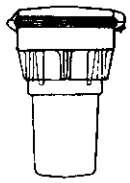
$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$

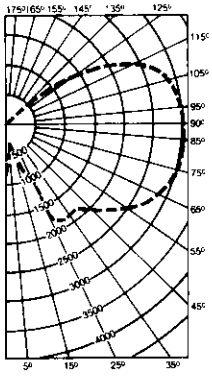
Test No. 5463.0

HUBBELL®
KILLARK®

HIGH PRESSURE SODIUM
With Globe Only
250 – 400 Watt Mogul Base

CANDLEPOWER – 250 WATT
E-18 Clear Lamp
30000 Lumens
For 400 Watt multiply by 1.67





ANGLE	CP	ANGLE	CP
.0	800.	95.0	3034.
5.0	341.	100.0	2997.
10.0	486.	105.0	2901.
15.0	623.	110.0	2718.
20.0	792.	115.0	2423.
25.0	1179.	120.0	1904.
30.0	1728.	125.0	1253.
35.0	1922.	130.0	692.
40.0	1893.	135.0	242.
45.0	2074.	140.0	38.
50.0	2319.	145.0	20.
55.0	2545.	150.0	20.
60.0	2717.	155.0	19.
65.0	2830.	160.0	15.
70.0	2943.	165.0	11.
75.0	3015.	170.0	0.
80.0	3056.	175.0	0.
85.0	3079.	180.0	0.
90.0	3058.		

Efficiency 84.4%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.92	.92	.92	.92	.86	.86	.86	.86	.75	.75	.75	.65	.65	.65	.55	.55	.55	.51
1	.79	.74	.68	.63	.73	.68	.63	.59	.58	.55	.51	.48	.46	.44	.41	.39	.37	.32
2	.70	.61	.53	.47	.64	.56	.49	.44	.48	.42	.37	.40	.35	.32	.32	.29	.26	.22
3	.62	.52	.43	.37	.57	.48	.40	.34	.40	.34	.29	.33	.29	.25	.27	.23	.20	.16
4	.56	.45	.36	.29	.52	.41	.33	.27	.35	.28	.23	.29	.24	.20	.23	.19	.16	.13
5	.51	.39	.30	.24	.46	.36	.28	.22	.30	.23	.18	.25	.19	.15	.20	.15	.12	.09
6	.46	.34	.26	.20	.42	.31	.24	.18	.26	.20	.15	.22	.16	.13	.17	.13	.10	.07
7	.42	.30	.22	.17	.39	.28	.20	.15	.23	.17	.13	.19	.14	.10	.15	.11	.08	.06
8	.39	.27	.19	.14	.36	.25	.18	.13	.21	.15	.11	.17	.12	.09	.14	.10	.07	.04
9	.36	.24	.17	.12	.33	.22	.16	.11	.19	.13	.08	.15	.11	.07	.12	.08	.05	.03
10	.34	.22	.15	.10	.31	.20	.14	.10	.17	.12	.08	.14	.09	.06	.11	.07	.05	.03

SPACING TO MOUNTING HEIGHT RATIO — S/MH .2

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 250 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

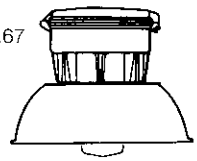
MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	8.00	9.21	7.33	4.40	2.49	1.48	.93	.62	.43	.30	.22
15'	3.55	2.74	4.72	3.25	2.33	1.62	1.10	.78	.56	.41	.31
20'	2.00	1.35	2.39	2.45	1.83	1.44	1.10	.82	.82	.47	.37
25'	1.28	.55	1.11	1.74	1.45	1.17	.97	.78	.63	.49	.39
30'	.88	.46	.66	1.02	1.18	.95	.81	.69	.56	.48	.40
35'	.65	.33	.45	.64	.92	.84	.67	.59	.51	.45	.39

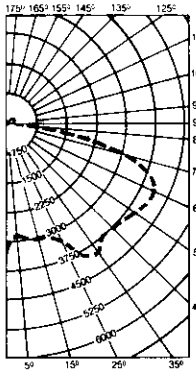
$FC = \frac{(Candlepower)(COS\,\theta)}{DISTANCE^2}$

Test No. 5482.0

HIGH PRESSURE SODIUM
With Globe and Standard Dome Reflector
250 – 400 Watt Mogul Base

CANDLEPOWER – 250 WATT
E-18 Clear Lamp
30000 Lumens
For 400 Watt multiply by 1.67





ANGLE	CP	ANGLE	CP
.0	3321.	95.0	57.
5.0	2813.	100.0	64.
10.0	2964.	105.0	82.
15.0	3049.	110.0	146.
20.0	3125.	115.0	151.
25.0	3395.	120.0	138.
30.0	3806.	125.0	87.
35.0	3900.	130.0	20.
40.0	3750.	135.0	15.
45.0	3776.	140.0	8.
50.0	3910.	145.0	8.
55.0	4008.	150.0	7.
60.0	4043.	155.0	7.
65.0	4020.	160.0	7.
70.0	3845.	165.0	0.
75.0	2949.	170.0	0.
80.0	1770.	175.0	0.
85.0	566.	180.0	0.
90.0	69.		

Efficiency 66.0%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.78	.78	.78	.78	.76	.76	.76	.76	.73	.73	.73	.69	.69	.69	.66	.66	.66	.65
1	.70	.66	.63	.60	.68	.66	.62	.59	.62	.59	.57	.59	.57	.55	.56	.56	.53	.51
2	.62	.56	.50	.46	.60	.54	.49	.45	.52	.48	.44	.49	.46	.43	.47	.44	.42	.40
3	.56	.48	.41	.36	.54	.47	.41	.36	.44	.39	.35	.42	.38	.34	.40	.37	.33	.32
4	.50	.41	.34	.29	.49	.40	.34	.29	.38	.33	.28	.36	.32	.28	.35	.31	.27	.26
5	.45	.35	.29	.23	.43	.34	.28	.23	.33	.27	.23	.31	.26	.22	.30	.25	.22	.20
6	.41	.31	.24	.19	.39	.30	.24	.19	.29	.23	.19	.27	.22	.18	.26	.22	.18	.17
7	.37	.27	.21	.16	.36	.27	.20	.16	.25	.20	.16	.24	.19	.15	.23	.19	.15	.14
8	.34	.24	.18	.13	.33	.24	.18	.13	.23	.17	.13	.22	.17	.13	.21	.16	.13	.11
9	.31	.21	.15	.11	.30	.21	.15	.11	.20	.15	.11	.19	.14	.11	.18	.14	.11	.09
10	.29	.19	.14	.10	.28	.19	.13	.10	.18	.13	.09	.17	.13	.09	.17	.12	.09	.08

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 250 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

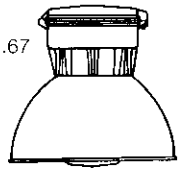
MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	33.21	24.87	13.35	6.85	3.60	2.00	1.15	.64	.42	.25	.16
15'	14.76	12.47	9.88	5.93	3.80	2.44	1.60	1.08	.74	.51	.34
20'	8.30	6.92	6.21	4.95	3.33	2.39	1.71	1.23	.90	.66	.50
25'	5.31	4.49	4.07	3.63	2.94	2.13	1.64	1.25	.95	.74	.57
30'	3.69	3.12	2.93	2.76	2.47	1.88	1.48	1.18	.95	.76	.61
35'	2.71	2.29	2.21	2.08	2.03	1.71	1.33	1.08	.89	.74	.61

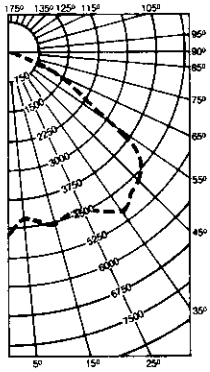
$FC = \frac{(Candlepower)(COS\,\theta)}{DISTANCE^2}$

Test No. 5484.0

HIGH PRESSURE SODIUM
With Globe and Deep Reflector (HRD-400)
250 – 400 Watt Mogul Base

CANDLEPOWER – 250 WATT
E-18 Clear Lamp
30000 Lumens
For 400 Watt multiply by 1.67





ANGLE	CP	ANGLE	CP
.0	4568.	95.0	10.
5.0	4128.	100.0	11.
10.0	4421.	105.0	10.
15.0	4531.	110.0	15.
20.0	4450.	115.0	18.
25.0	4461.	120.0	29.
30.0	4825.	125.0	27.
35.0	4977.	130.0	29.
40.0	4759.	135.0	24.
45.0	4704.	140.0	25.
50.0	4359.	145.0	22.
55.0	3503.	150.0	24.
60.0	2033.	155.0	17.
65.0	1296.	160.0	15.
70.0	864.	165.0	21.
75.0	535.	170.0	14.
80.0	278.	175.0	0.
85.0	81.	180.0	0.
90.0	8.		

Efficiency 52.3%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	.62	.62	.62	.62	.61	.61	.61	.61	.58	.58	.58	.55	.55	.55	.53	.53	.53	.52
1	.58	.56	.54	.52	.56	.54	.53	.51	.52	.51	.49	.50	.49	.48	.48	.47	.46	.45
2	.53	.49	.46	.44	.52	.48	.46	.43	.47	.44	.42	.45	.43	.41	.43	.42	.40	.39
3	.49	.44	.40	.37	.48	.43	.40	.37	.42	.39	.36	.40	.38	.35	.39	.37	.35	.34
4	.45	.39	.35	.32	.44	.39	.34	.31	.37	.34	.31	.36	.33	.30	.35	.32	.30	.29
5	.41	.34	.30	.27	.40	.34	.30	.27	.33	.29	.26	.32	.28	.26	.31	.28	.26	.24
6	.37	.31	.26	.23	.36	.30	.26	.23	.29	.25	.22	.28	.25	.22	.27	.24	.22	.21
7	.34	.27	.23	.19	.33	.27	.22	.19	.26	.22	.19	.25	.22	.19	.24	.21	.19	.18
8	.31	.24	.20	.16	.30	.24	.19	.16	.23	.19	.16	.22	.19	.16	.22	.18	.16	.15
9	.28	.21	.17	.14	.28	.21	.17	.14	.20	.16	.14	.20	.16	.14	.19	.16	.14	.13
10	.26	.19	.15	.12	.26	.19	.15	.12	.18	.14	.12	.18	.14	.12	.17	.14	.12	.11

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.6

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 250 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	45.68	32.43	16.63	5.47	1.42	.53	.26	.12	.07	.04	.02
15'	20.30	17.01	12.58	7.39	3.69	1.40	.63	.32	.18	.11	.07
20'	11.42	10.29	8.10	6.31	4.15	2.55	1.36	.62	.35	.20	.13
25'	7.30	6.70	5.69	4.86	3.89	2.66	1.82	1.15	.69	.37	.22
30'	5.07	4.66	4.25	3.60	3.14	2.39	1.84	1.35	.92	.60	.35
35'	3.72	3.40	3.28	2.82	2.57	2.18	1.70	1.35	1.04	.75	.53

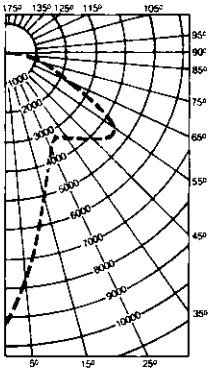
$FC = \frac{(Candlepower)(COS\,\theta)}{DISTANCE^2}$

Test No. 5483.0

HUBBELL®
KILLARK®

HIGH PRESSURE SODIUM
With 12" Glass Refractor IES Type V
250 – 400 Watt Mogul Base

CANDLEPOWER – 250 WATT
E-18 Clear Lamp
30000 Lumens
For 400 Watt multiply by 1.67



ANGLE	CP	ANGLE	CP
0	9175.	95.0	673.
5.0	7801.	100.0	595.
10.0	6382.	105.0	583.
15.0	5004.	110.0	694.
20.0	4007.	115.0	842.
25.0	3562.	120.0	871.
30.0	3379.	125.0	798.
35.0	3475.	130.0	703.
40.0	3716.	135.0	580.
45.0	4094.	140.0	457.
50.0	4495.	145.0	338.
55.0	4459.	150.0	239.
60.0	3362.	155.0	148.
65.0	2237.	160.0	82.
70.0	1652.	165.0	39.
75.0	1375.	170.0	25.
80.0	1226.	175.0	12.
85.0	1005.	180.0	0.
90.0	830.		

Efficiency 71.9%

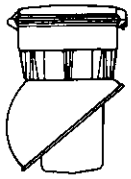
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

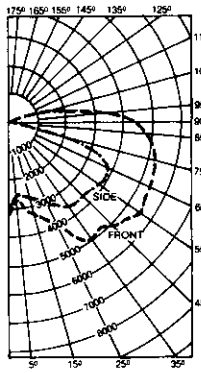
% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50		30		10		0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	.83	.83	.83	.83	.79	.79	.79	.79	.73	.73	.73	.67	.67	.67	.62	.62	.62	.60
1	.75	.71	.68	.65	.72	.68	.65	.62	.63	.61	.58	.58	.56	.54	.54	.52	.51	.48
2	.68	.62	.57	.52	.65	.59	.55	.51	.55	.51	.48	.51	.47	.45	.47	.44	.42	.40
3	.62	.54	.48	.43	.59	.52	.47	.42	.48	.44	.40	.45	.41	.38	.41	.38	.36	.34
4	.56	.48	.41	.36	.54	.46	.40	.35	.42	.38	.34	.39	.35	.32	.36	.33	.30	.28
5	.51	.42	.36	.30	.49	.40	.34	.30	.37	.32	.28	.35	.30	.27	.32	.28	.25	.23
6	.47	.37	.30	.26	.45	.36	.30	.25	.33	.28	.24	.31	.26	.23	.28	.25	.22	.20
7	.43	.33	.27	.22	.41	.32	.26	.22	.30	.24	.21	.27	.23	.20	.25	.22	.19	.17
8	.39	.29	.23	.19	.38	.28	.23	.18	.26	.21	.18	.25	.20	.17	.23	.19	.16	.14
9	.36	.26	.20	.16	.35	.25	.20	.16	.24	.19	.15	.22	.18	.14	.20	.17	.14	.12
10	.34	.24	.18	.14	.32	.23	.18	.14	.22	.17	.13	.20	.16	.13	.19	.15	.12	.11

SPACING TO MOUNTING HEIGHT RATIO — S/MH .5

HIGH PRESSURE SODIUM
With Globe and Angle Reflector
250 – 400 Watt Mogul Base

CANDLEPOWER – 250 WATT
E-18 Clear Lamp
30000 Lumens
For 400 Watt multiply by 1.67





FRONT ANGLE	FRONT CP	SIDE ANGLE	SIDE CP
0	3083.	0	3083.
5.0	2812.	5.0	2578.
10.0	3156.	10.0	2645.
15.0	3365.	15.0	2752.
20.0	3589.	20.0	2882.
25.0	3994.	25.0	3125.
30.0	4708.	30.0	3491.
35.0	4996.	35.0	3608.
40.0	4936.	40.0	3435.
45.0	5081.	45.0	3596.
50.0	5258.	50.0	3788.
55.0	5343.	55.0	3867.
60.0	5451.	60.0	3912.
65.0	5425.	65.0	3798.
70.0	5369.	70.0	3021.
75.0	5274.	75.0	1839.
80.0	5068.	80.0	679.
85.0	4793.	85.0	183.
90.0	4512.	90.0	47.
95.0	3567.	95.0	12.
100.0	2316.	100.0	15.
105.0	1169.	105.0	6.
110.0	281.	110.0	0.
115.0	82.	115.0	0.

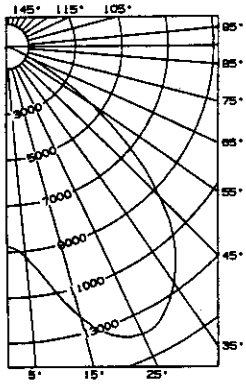
Efficiency 63.5%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50		30		10		0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	.75	.75	.75	.75	.72	.72	.72	.72	.68	.68	.68	.64	.64	.64	.61	.61	.61	.59
1	.66	.62	.58	.55	.63	.60	.56	.53	.56	.53	.51	.53	.51	.49	.50	.48	.46	.45
2	.59	.52	.47	.42	.56	.50	.46	.41	.47	.43	.40	.45	.41	.38	.42	.39	.37	.35
3	.53	.45	.39	.34	.51	.44	.38	.33	.41	.36	.32	.39	.34	.31	.36	.33	.30	.28
4	.48	.39	.33	.28	.46	.38	.32	.27	.36	.31	.27	.34	.29	.26	.32	.28	.25	.23
5	.43	.34	.27	.23	.41	.33	.27	.22	.31	.26	.22	.29	.25	.21	.27	.23	.20	.18
6	.39	.30	.23	.19	.38	.29	.23	.19	.27	.22	.18	.26	.21	.18	.24	.20	.17	.15
7	.36	.26	.20	.16	.35	.26	.20	.16	.24	.19	.15	.23	.18	.15	.22	.17	.14	.13
8	.33	.23	.17	.13	.32	.23	.17	.13	.21	.16	.13	.20	.16	.12	.19	.15	.12	.11
9	.30	.21	.15	.11	.29	.20	.15	.11	.19	.14	.11	.18	.14	.10	.17	.13	.10	.09
10	.28	.19	.13	.10	.27	.18	.13	.10	.17	.13	.09	.16	.12	.09	.15	.11	.09	.07

HIGH PRESSURE SODIUM
With Enclosed Reflector (VMER40)
150-400 Watt Mogul Base

CANDLEPOWER – 400 WATT HPS
E-37 Coated Lamp
47500 Lumens
For 150W multiply by .34
For 250W multiply by .60



CANDELA DISTRIBUTION	
0	8771
5	9240
10	10578
15	12268
20	13466
25	13913
30	13576
35	12657
40	11348
45	9362
50	6943
55	4519
60	2495
65	1195
70	551
75	239
80	92
85	40
90	0

Efficiency 86.5%

COEFFICIENTS OF UTILIZATION—ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80			70			50		30		10		0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
*0	.79	.79	.79	.79	.77	.77	.77	.77	.74	.74	.74	.71	.71	.71	.68	.68	.68	.66
*1	.74	.72	.70	.68	.73	.71	.69	.67	.68	.66	.65	.65	.64	.63	.63	.62	.61	.60
*2	.70	.66	.63	.60	.68	.65	.62	.59	.63	.60	.58	.61	.59	.57	.59	.57	.56	.54
*3	.66	.60	.57	.53	.64	.60	.56	.53	.58	.55	.52	.56	.53	.51	.54	.52	.50	.49
R4	.61	.55	.50	.47	.60	.54	.50	.47	.53	.49	.46	.51	.48	.46	.50	.47	.45	.44
C5	.57	.50	.45	.42	.56	.49	.45	.42	.48	.44	.41	.47	.43	.41	.46	.43	.40	.39
R6	.53	.46	.41	.37	.52	.45	.40	.37	.44	.40	.37	.43	.39	.36	.42	.39	.36	.35
*7	.49	.41	.36	.33	.48	.41	.36	.33	.40	.36	.33	.39	.35	.32	.38	.35	.32	.31
*8	.45	.37	.33	.29	.44	.37	.32	.29	.36	.32	.29	.35	.32	.29	.35	.31	.29	.27
*9	.42	.34	.29	.26	.41	.34	.29	.26	.33	.29	.26	.32	.28	.25	.32	.28	.25	.24
*10	.38	.29	.24	.21	.37	.29	.24	.21	.29	.24	.21	.28	.24	.21	.27	.23	.21	.20

SPACING CRITERION: 1.8

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 250 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	91.75	25.23	14.47	7.23	2.40	.96	.50	.29	.19	.13	.09
15'	40.77	16.71	8.79	6.43	4.29	2.16	1.06	.57	.34	.22	.15
20'	22.93	12.05	6.30	4.50	3.61	2.73	1.80	1.02	.60	.35	.24
25'	14.66	9.21	5.01	3.40	2.75	2.31	1.88	1.40	.90	.61	.38
30'	10.19	7.10	4.17	2.80	2.19	1.87	1.60	1.35	1.07	.80	.54
35'	7.48	5.50	3.63	2.37	1.80	1.52	1.32	1.18	1.01	.84	.68

FC = (Candlepower) (COS θ) / DISTANCE²

Test No. 5529.0

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 250 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	FRONT 0'	5'	10'	15'	20'	SIDE 0'	5'	10'	15'	20'
10'	30.83	29.59	17.96	9.15	4.86	30.83	29.59	12.71	6.61	3.43
15'	13.70	13.27	12.49	7.96	5.09	13.70	10.73	9.11	5.65	3.68
20'	7.70	7.58	7.39	6.37	4.49	7.70	6.23	5.72	4.57	3.17
25'	4.93	4.82	4.70	4.74	3.77	4.93	4.02	3.75	3.52	2.67
30'	3.42	3.29	3.31	3.28	3.12	3.42	2.80	2.68	2.54	2.27

FC = (Candlepower) (COS θ) / DISTANCE²

Test No. 5485.0

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT H.P.S.
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	87.7	99.4	33.1	6.75	1.38	0.38	0.14	0.06	0.03	0.02	0.01
15'	39.0	49.9	33.1	14.7	5.18	1.73	0.61	0.25	0.12	0.06	0.03
20'	21.9	27.3	24.8	15.6	8.27	3.82	1.69	0.74	0.34	0.17	0.10
25'	14.0	16.7	17.6	13.5	8.93	5.30	2.87	1.50	0.78	0.41	0.22
30'	9.75	11.1	12.5	11.0	8.27	5.74	3.68	2.22	1.30	0.75	0.43
35'	7.16	7.92	9.09	8.77	7.27	5.51	3.98	2.70	1.76	1.11	0.70

FC = (Candlepower) (COS θ) / DISTANCE²

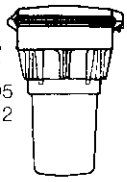
Test No. 7803

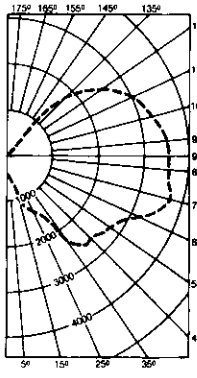
HUBBELL
KILLARK®

METAL HALIDE, MHP, MERCURY VAPOR
With Globe Only
400 Watt Mogul Base

CANDLEPOWER – 400 WATT MH
E-37 Clear Lamp
36000 Lumens

For 250W MHP multiply by .66
For 320W MHP multiply by .87
For 350W MHP multiply by 1.05
For 400W MHP multiply by 1.22
For 400W MV multiply by .62





ANGLE	CP	ANGLE	CP
0	444.	95.0	3500.
5.0	420.	100.0	3400.
10.0	640.	105.0	3277.
15.0	834.	110.0	3174.
20.0	1132.	115.0	3006.
25.0	1147.	120.0	2802.
30.0	1552.	125.0	2598.
35.0	2303.	130.0	2346.
40.0	2627.	135.0	1913.
45.0	2579.	140.0	1156.
50.0	2761.	145.0	198.
55.0	2983.	150.0	16.
60.0	3178.	155.0	0.
65.0	3446.	160.0	0.
70.0	3617.	165.0	0.
75.0	3643.	170.0	0.
80.0	3594.	175.0	0.
85.0	3570.	180.0	0.
90.0	3535.		

Efficiency 89.7%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE (fcc)	80				70				50				30				10				0
% WALL REFLECTANCE (fw)	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																				
0	.97	.97	.97	.97	.91	.91	.91	.91	.78	.78	.78	.78	.66	.66	.66	.66	.55	.55	.55	.55	.50
1	.84	.78	.72	.67	.77	.72	.67	.63	.67	.63	.61	.57	.54	.51	.48	.45	.41	.39	.37	.35	.32
2	.74	.65	.57	.50	.68	.59	.52	.46	.60	.50	.44	.39	.41	.37	.33	.33	.29	.26	.22	.20	.18
3	.66	.55	.46	.39	.60	.51	.43	.36	.42	.36	.31	.34	.30	.25	.27	.23	.20	.16			
4	.60	.48	.39	.32	.54	.44	.36	.29	.36	.30	.25	.30	.24	.20	.23	.19	.16	.12			
5	.54	.41	.32	.26	.49	.38	.30	.24	.31	.25	.20	.25	.20	.16	.20	.16	.12	.09			
6	.49	.36	.28	.21	.45	.33	.25	.20	.28	.21	.16	.22	.17	.13	.17	.13	.10	.07			
7	.45	.32	.24	.18	.41	.30	.22	.17	.24	.18	.14	.20	.15	.11	.15	.11	.08	.06			
8	.42	.29	.21	.15	.38	.26	.19	.14	.22	.16	.11	.18	.13	.09	.14	.10	.07	.04			
9	.38	.26	.18	.13	.35	.24	.17	.12	.20	.14	.10	.16	.11	.08	.12	.08	.06	.03			
10	.36	.24	.16	.11	.33	.22	.15	.10	.18	.12	.08	.14	.10	.06	.11	.07	.05	.03			

SPACING TO MOUNTING HEIGHT RATIO — S/MH 4.6

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	4.44	4.78	9.11	5.15	2.98	1.81	1.14	.75	.51	.37	.27
15'	1.97	3.84	5.12	4.05	2.77	1.90	1.32	.94	.68	.50	.38
20'	1.11	1.81	2.08	3.02	2.27	1.70	1.28	.97	.74	.58	.45
25'	.71	1.02	1.45	1.56	1.90	1.45	1.15	.92	.73	.58	.47
30'	.49	.63	.96	.97	1.28	1.32	1.01	.83	.69	.57	.47
35'	.36	.43	.60	.72	.82	1.01	.93	.74	.62	.53	.45

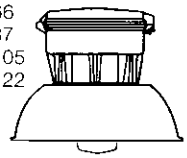
FC = (Candlepower) (COS Θ) / DISTANCE²

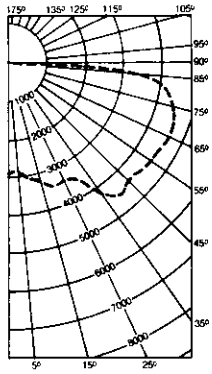
Test No. 5476.0

METAL HALIDE, MHP, MERCURY VAPOR
With Globe and Standard Dome Reflector
400 Watt Mogul Base

CANDLEPOWER – 400 WATT MH
E-37 Clear Lamp
36000 Lumens

For 250W MHP multiply by .66
For 320W MHP multiply by .87
For 350W MHP multiply by 1.05
For 400W MHP multiply by 1.22
For 400W MV multiply by .62





ANGLE	CP	ANGLE	CP
.0	2965.	95.0	136.
5.0	2947.	100.0	97.
10.0	3130.	105.0	73.
15.0	3284.	110.0	71.
20.0	3481.	115.0	58.
25.0	3398.	120.0	42.
30.0	3609.	125.0	243.
35.0	4235.	130.0	432.
40.0	4569.	135.0	95.
45.0	4372.	140.0	21.
50.0	4474.	145.0	21.
55.0	4582.	150.0	21.
60.0	4631.	155.0	13.
65.0	4757.	160.0	0.
70.0	4730.	165.0	0.
75.0	4467.	170.0	0.
80.0	4117.	175.0	0.
85.0	3338.	180.0	0.
90.0	1179.		

Efficiency 74.0%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE (fcc)	80				70				50				30				10				0
% WALL REFLECTANCE (fw)	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																				
0	.88	.88	.88	.88	.85	.85	.85	.85	.81	.81	.81	.81	.77	.77	.77	.77	.74	.74	.74	.72	
1	.76	.70	.65	.61	.73	.68	.64	.60	.65	.61	.57	.54	.61	.57	.54	.51	.58	.55	.53	.51	
2	.66	.58	.51	.45	.64	.56	.50	.44	.53	.47	.43	.39	.50	.45	.41	.37	.47	.44	.40	.38	
3	.59	.49	.41	.35	.57	.48	.40	.34	.45	.39	.33	.29	.43	.37	.33	.29	.40	.36	.32	.30	
4	.53	.42	.34	.28	.51	.41	.33	.28	.38	.32	.27	.23	.37	.31	.26	.23	.35	.30	.26	.24	
5	.48	.36	.28	.22	.46	.35	.28	.22	.33	.27	.21	.18	.32	.26	.21	.18	.30	.25	.20	.18	
6	.44	.32	.24	.18	.42	.31	.23	.18	.29	.23	.18	.14	.28	.22	.17	.14	.26	.21	.17	.15	
7	.40	.28	.20	.15	.38	.27	.20	.15	.26	.19	.15	.12	.25	.19	.14	.11	.23	.18	.14	.12	
8	.37	.25	.18	.13	.35	.24	.17	.12	.23	.17	.12	.09	.22	.16	.12	.09	.21	.16	.12	.10	
9	.34	.22	.15	.11	.32	.22	.15	.10	.21	.14	.10	.07	.20	.14	.10	.07	.19	.14	.10	.08	
10	.31	.20	.13	.09	.30	.20	.13	.09	.19	.13	.09	.06	.18	.12	.09	.06	.17	.12	.08	.07	

SPACING TO MOUNTING HEIGHT RATIO — S/MH 2.1

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	29.65	24.61	15.45	7.83	4.20	2.42	1.47	.93	.63	.44	.32
15'	13.17	12.90	10.19	6.86	4.35	2.79	1.87	1.29	.91	.65	.48
20'	7.41	7.42	6.15	5.50	3.86	2.73	1.95	1.41	1.05	.79	.60
25'	4.74	4.76	4.43	3.64	3.37	2.47	1.87	1.43	1.09	.84	.67
30'	3.29	3.29	3.22	2.73	2.54	2.30	1.71	1.36	1.06	.87	.69
35'	2.42	2.42	2.38	2.17	1.92	1.86	1.63	1.26	1.03	.85	.70

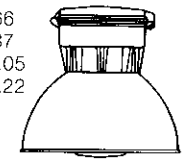
FC = (Candlepower) (COS Θ) / DISTANCE²

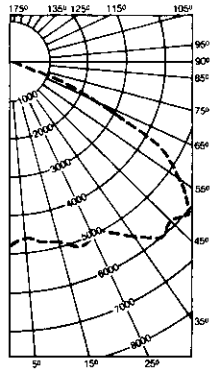
Test No. 5478.0

METAL HALIDE, MHP, MERCURY VAPOR
With Globe and Deep Reflector (HRD-400)
400 Watt Mogul Base

CANDLEPOWER – 400 WATT MH
E-37 Clear Lamp
36000 Lumens

For 250W MHP multiply by .66
For 320W MHP multiply by .87
For 350W MHP multiply by 1.05
For 400W MHP multiply by 1.22
For 400W MV multiply by .62





ANGLE	CP	ANGLE	CP
.0	4824.	95.0	7.
5.0	4734.	100.0	0.
10.0	4890.	105.0	8.
15.0	4978.	110.0	16.
20.0	5136.	115.0	20.
25.0	5033.	120.0	21.
30.0	5157.	125.0	39.
35.0	5686.	130.0	33.
40.0	6005.	135.0	29.
45.0	5818.	140.0	29.
50.0	6109.	145.0	120.
55.0	5473.	150.0	24.
60.0	4507.	155.0	8.
65.0	2094.	160.0	5.
70.0	1510.	165.0	0.
75.0	868.	170.0	0.
80.0	430.	175.0	0.
85.0	149.	180.0	0.
90.0	16.		

Efficiency 57.0%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE (fcc)	80				70				50				30				10				0
% WALL REFLECTANCE (fw)	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																				
0	.68	.68	.68	.68	.66	.66	.66	.66	.63	.63	.63	.63	.60	.60	.60	.60	.58	.58	.58	.58	
1	.63	.60	.58	.56	.61	.59	.57	.55	.56	.55	.53	.54	.53	.51	.52	.51	.50	.49			
2	.57	.53	.49	.46	.56	.52	.49	.46	.50	.47	.45	.43	.46	.44	.44	.42	.41				
3	.52	.47	.42	.39	.51	.46	.42	.38	.44	.41	.38	.36	.42	.39	.37	.35					
4	.48	.41	.36	.33	.46	.40	.36	.32	.39	.35	.32	.30	.37	.34	.31	.30					
5	.43	.36	.31	.27	.42	.35	.31	.27	.34	.30	.27	.24	.33	.29	.26	.24					
6	.39	.32	.26	.23	.38	.31	.26	.23	.30	.26	.22	.20	.29	.25	.22	.20					
7	.36	.28	.23	.19	.35	.27	.23	.19	.26	.22	.19	.16	.26	.22	.19	.16					
8	.33	.25	.20	.16	.32	.24	.19	.16	.23	.19	.16	.13	.23	.19	.16	.13					
9	.30	.22	.17	.13	.29	.21	.17	.13	.21	.16	.13	.10	.20	.16	.13	.10					
10	.27	.19	.15	.12	.27	.19	.15	.12	.19	.14	.11	.08	.18	.14	.11	.08					

SPACING TO MOUNTING HEIGHT RATIO — S/MH 1.8

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	46.24	36.18	20.55	9.01	2.73	.89	.43	.20	.12	.07	.04
15'	21.44	19.24	14.01	9.14	5.49	2.84	1.21	.53	.31	.19	.11
20'	12.06	11.32	9.04	7.35	5.14	3.64	2.25	1.37	.88	.33	.22
25'	7.71	7.40	6.55	5.20	4.47	3.29	2.56	1.75	1.21	.82	.43
30'	5.36	5.18	4.81	4.02	3.50	3.02	2.28	1.85	1.37	1.00	.71
35'	3.93	3.82	3.61	3.21	2.75	2.50	2.14	1.67	1.41	1.10	.84

FC = (Candlepower) (COS Θ) / DISTANCE²

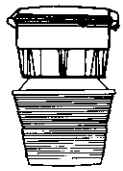
Test No. 5477.0

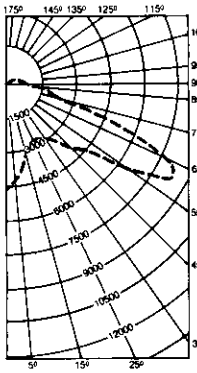
HUBBELL
KILLARK

METAL HALIDE, MHP, MERCURY VAPOR
with 12" glass refractor IES type V
400 Watt Mogul Base

CANDLEPOWER – 400 WATT MH
E-37 Clear Lamp
36000 Lumens

For 250W MHP multiply by .66
For 320W MHP multiply by .87
For 350W MHP multiply by 1.05
For 400W MHP multiply by 1.22
For 400W MV multiply by .62





ANGLE	CP	ANGLE	CP
.0	4617.	95.0	1179.
5.0	4184.	100.0	947.
10.0	3490.	105.0	762.
15.0	3022.	110.0	743.
20.0	2729.	115.0	752.
25.0	2761.	120.0	703.
30.0	2811.	125.0	619.
35.0	2870.	130.0	478.
40.0	3105.	135.0	385.
45.0	3435.	140.0	284.
50.0	4481.	145.0	214.
55.0	7120.	150.0	153.
60.0	8771.	155.0	108.
65.0	8035.	160.0	67.
70.0	4582.	165.0	0.
75.0	2629.	170.0	0.
80.0	1925.	175.0	0.
85.0	1494.	180.0	0.
90.0	1287.		

Efficiency 82.4%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80				70				50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	96	95	96	95	92	92	92	92	86	86	86	80	80	80	74	74	74	72
1	85	80	75	71	81	77	73	69	71	68	65	66	64	61	62	59	57	55
2	75	67	60	54	72	64	58	52	59	54	50	55	51	47	51	47	44	42
3	67	57	48	42	64	54	47	41	50	44	39	46	41	37	43	39	35	32
4	60	48	39	33	57	46	38	32	43	38	30	39	34	29	36	31	27	25
5	53	40	31	25	50	38	30	24	35	28	23	32	26	22	30	25	20	18
6	47	35	26	20	45	33	25	19	30	23	18	28	22	17	26	20	16	14
7	43	30	22	16	41	29	21	16	27	20	15	25	18	14	22	17	13	11
8	40	27	19	14	38	26	18	13	24	17	12	22	16	12	20	15	11	09
9	37	24	16	11	35	23	16	11	21	15	10	20	14	10	18	13	09	07
10	34	22	15	10	32	21	14	10	19	13	09	18	12	08	16	11	08	06

SPACING TO MOUNTING HEIGHT RATIO — S/MH .7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	46.17	19.82	12.14	12.71	7.45	3.05	1.32	.62	.37	.23	.16
15'	20.52	10.80	7.28	5.39	5.82	5.10	3.31	1.99	1.01	.58	.35
20'	11.54	7.11	4.95	3.73	3.03	3.05	3.17	2.67	1.86	1.23	.76
25'	7.38	5.12	3.50	2.83	2.29	1.94	1.88	2.07	1.93	1.60	1.19
30'	5.13	3.86	2.70	2.20	1.82	1.56	1.34	1.30	1.45	1.41	1.27
35'	3.76	2.98	2.19	1.74	1.50	1.26	1.10	.99	.94	1.04	1.09

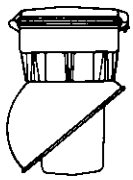
FC = (Candlepower) (COS Θ) / DISTANCE²

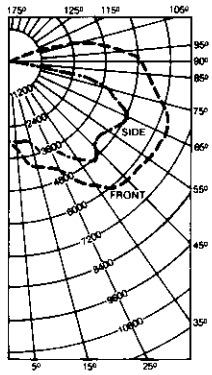
Test No. 5480.0

METAL HALIDE, MHP, MERCURY VAPOR
with globe and angle reflector
400 Watt Mogul Base

CANDLEPOWER – 400 WATT MH
E-37 Clear Lamp
36000 Lumens

For 250W MHP multiply by .66
For 320W MHP multiply by .87
For 350W MHP multiply by 1.05
For 400W MHP multiply by 1.22
For 400W MV multiply by .62





FRONT ANGLE	FRONT CP	SIDE ANGLE	SIDE CP
.0	2998.	0	2998.
5.0	3238.	5.0	3045.
10.0	3775.	10.0	3280.
15.0	4091.	15.0	3404.
20.0	4551.	20.0	3749.
25.0	4555.	25.0	3602.
30.0	5074.	30.0	3858.
35.0	5790.	35.0	4597.
40.0	6152.	40.0	4858.
45.0	6170.	45.0	4473.
50.0	6285.	50.0	4454.
55.0	6353.	55.0	4547.
60.0	6409.	60.0	4721.
65.0	6454.	65.0	4831.
70.0	6226.	70.0	4633.
75.0	5996.	75.0	4073.
80.0	5720.	80.0	2774.
85.0	5390.	85.0	806.
90.0	5079.	90.0	137.
95.0	4638.	95.0	54.
100.0	4091.	100.0	18.
105.0	3151.	105.0	0.
110.0	743.	110.0	0.
115.0	77.	115.0	0.

Efficiency 68.7%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80				70				50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	80	80	80	80	77	77	77	77	72	72	72	68	68	68	63	63	63	61
1	70	66	62	58	68	64	60	57	59	56	54	55	53	51	52	50	48	46
2	63	56	50	45	60	54	48	44	50	45	41	46	43	39	43	40	37	35
3	56	48	41	36	54	46	40	35	43	38	34	40	36	32	37	34	31	28
4	51	42	35	29	49	40	34	29	37	32	27	35	30	26	32	28	25	23
5	46	36	29	24	44	35	28	23	32	27	22	30	25	21	28	24	20	19
6	42	32	25	20	40	30	24	19	28	23	19	26	22	18	25	20	17	15
7	38	28	21	17	37	27	21	16	25	20	16	24	19	15	22	18	14	13
8	35	25	18	14	34	24	18	14	22	17	13	21	16	13	20	15	12	10
9	32	22	16	12	31	21	16	11	20	15	11	19	14	11	17	13	10	09
10	30	20	14	10	29	19	14	10	18	13	10	17	12	09	16	12	09	07

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	FRONT 0'	FRONT 5'	FRONT 10'	FRONT 15'	FRONT 20'	SIDE 0'	SIDE 5'	SIDE 10'	SIDE 15'	SIDE 20'
10'	29.98	33.32	21.81	10.74	5.71	29.98	26.13	15.81	7.81	4.26
15'	13.32	16.57	14.06	9.69	6.03	13.32	13.70	11.01	7.02	4.32
20'	7.49	9.19	8.33	7.50	5.45	7.49	7.71	6.53	5.95	3.95
25'	4.79	5.79	5.82	5.11	4.57	4.79	4.98	4.76	3.89	3.62
30'	3.33	3.91	4.14	3.70	3.52	3.33	3.44	3.42	2.90	2.75

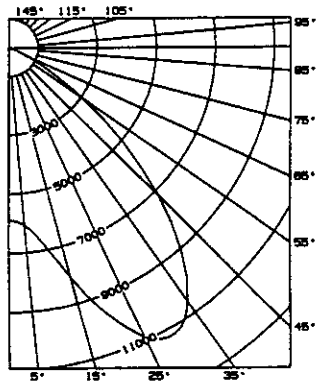
FC = (Candlepower) (COS Θ) / DISTANCE²

Test No. 5479.0

METAL HALIDE, MHP, MERCURY VAPOR
with enclosed reflector (VMER40)
250-400 Watt Mogul Base

CANDLEPOWER – 400 WATT MH
E-37 Coated Lamp
36000 Lumens

For 250W MHP multiply by .66
For 320W MHP multiply by .87
For 350W MHP multiply by 1.05
For 400W MHP multiply by 1.22
For 400W MV multiply by .62



CANDELA DISTRIBUTION	
0	5893
5	6064
10	6785
15	8085
20	9585
25	10877
30	11247
35	10539
40	9118
45	7149
50	5069
55	3088
60	1582
65	753
70	362
75	159
80	64
85	29
90	0

EFFICIENCY: 67.9%

COEFFICIENTS OF UTILIZATION—ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE fcc	80				70				50			30			10			0
% WALL REFLECTANCE fw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	Effective Floor Cavity Reflectance 0.20																	
*0	.81	.81	.81	.81	.79	.79	.79	.79	.75	.75	.75	.72	.72	.72	.69	.69	.69	.68
*1	.76	.74	.72	.70	.74	.72	.70	.69	.70	.68	.67	.67	.66	.65	.65	.64	.63	.61
*2	.72	.68	.64	.62	.70	.66	.63	.61	.64	.62	.60	.62	.60	.58	.60	.58	.57	.56
*3	.67	.62	.58	.55	.66	.61	.57	.54	.59	.56	.53	.57	.55	.53	.56	.54	.52	.51
R4	.62	.56	.52	.48	.61	.55	.51	.48	.54	.50	.47	.52	.49	.47	.51	.48	.46	.45
C5	.58	.51	.46	.43	.57	.51	.46	.43	.49	.45	.42	.46	.44	.42	.47	.44	.41	.40
R6	.54	.47	.42	.38	.53	.46	.41	.38	.45	.41	.38	.44	.40	.37	.43	.40	.37	.36
*7	.50	.42	.37	.34	.49	.42	.37	.33	.41	.36	.33	.39	.35	.33	.39	.35	.33	.32
*8	.46	.38	.33	.29	.45	.38	.33	.29	.37	.32	.29	.35	.32	.29	.35	.32	.29	.28
*9	.43	.34	.29	.26	.42	.34	.29	.26	.33	.29	.26	.32	.28	.25	.32	.28	.25	.24
*10	.38	.29	.24	.21	.37	.29	.24	.21	.28	.24	.21	.27	.23	.21	.27	.23	.21	.19

SPACING CRITERION: 1.9

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT MH
(See top for other wattage multipliers)
HORIZONTAL DISTANCE FROM SOURCE IN FEET

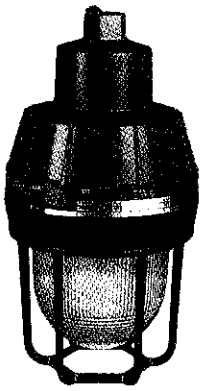
MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
10'	58.9	79.2	25.3	4.50	0.87	0.24	0.09	0.04	0.02	0.01	0.01
15'	26.2	34.6	27.6	11.2	3.67	1.11	0.39	0.16	0.07	0.04	0.02
20'	14.7	17.8	19.6	12.9	6.32	2.76	1.13	0.47	0.22	0.11	0.06
25'	9.43	10.7	12.9	11.3	7.27	4.04	2.10	1.04	0.50	0.26	0.14
30'	6.55	7.13	8.66	8.81	6.91	4.62	2.81	1.63	0.92	0.50	0.28
35'	4.81	5.11	6.08	6.62	6.01	4.58	3.18	2.06	1.30	0.80	0.48

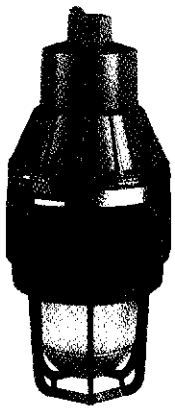
FC = (Candlepower) (COS Θ) / DISTANCE²

Test No. 7804

HUBBELL®
KILLARK®

EM/EB/EQ SERIES • LIGHTING
INCANDESCENT/COMPACT FLUORESCENT/MEDIUM BASE HID





Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X
Factory Sealed

UL Listed - Files E10514 and E91793 (Marine)

CSA Certified - File LR11713

FEATURES-SPECIFICATIONS

HOSTILE*LITE*®

Applications

HOSTILE***LITE***® EM, EB, & EQ Series fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4x areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous due to the presence of flammable or explosive gases, vapors and combustible dusts as defined by the NEC.

Applications include classified areas such as paint manufacturing plants, ammunition facilities, oil and gas producing and refining plants, off-shore and dockside installations, tank farms, pipeline pumping stations and marine loading and fuel transfer terminals.

Features:

- Five light sources—Incandescent, compact fluorescent, high pressure sodium, metal halide and mercury vapor
- Mounting choice—Pendant, ceiling, 25˚ stanchion or 90˚ wall mount, all with "wireless" design that allows fast, easy fixture installation
- Factory sealed—No external seal needed. Simply wire mounting cap and thread on fixture to install
- Compact size—Medium base incandescent and HID lamps, plus PL fluorescent lamps allow smaller fixture design
- Corrosion resistant—Copper-free aluminum die-cast construction. Baked powder epoxy finish, electrostatically applied. Exposed hardware is 316 grade stainless steel

HUBBELL®
KILLARK®

Accessories

- Available with or without guard, standard dome or 25˚ angle reflector, exit sign and inner colored globes

Compliances

- UL-844 Electric Lighting Fixtures for use in Hazardous Locations
- UL Marine Type Electric Lighting Fixtures
- UL-1570 Standard for Fluorescent Lighting Fixtures
- UL-1571 Standard for Incandescent Lighting Fixtures
- UL-1572 Standard for HID Lighting Fixtures
- CSA C22.2 no. 137-M1981 Electric Luminaires for use in Hazardous Locations
- NEMA 3, 4, 4X, 7CD, 9EFG

Catalog Number Logic

E 0 0 00 0 00 0 - 00 (CEN)*

Series Constant — **E**

Lamp Base — **0**
M—Medium Base
B—Bi-Pin Base
Q—Quad-Pin Base

Lamp Type — **0**
I—Incandescent
F—Fluorescent
S—HPS
H—MH
M—MV

Lamp Wattage — **00**
15—150W, A-21, INC
20—300W, PS-25, INC
30—300W, PS-30, INC
13—(1) 13W, Bi-Pin FLUOR
26—(2) 13W Bi-Pin or (1) Quad-Pin 26Watt FLUOR
32—Quad-Pin FLUOR
35—35W, HPS
42—Quad-Pin FLUOR
05—50W, HPS, MH, MV
07—70W, HPS, MH
75—75W, MV
10—100W, HPS, MH, MV
15—150W, HPS

Voltage @ 60 Hertz — **0**
0—Quadri-Volt (120, 208, 240, 277)
1—120
4—277
5—480
6—347 Canada (70,100MH/HPS)
30—120-277 50/60 Hz EQF Series Only

Mounting Type — **00**
A2—3/4" Pendant
A3—1" Pendant
X2—3/4" Ceiling
X3—1" Ceiling
B2—3/4" Bracket
B3—1" Bracket
D4—1-1/4"/1-1/2" Stanchion

Guard — **0**
G—Omit G if guard is not required

Options — **00**
ML—UL Marine Listing for EMI. Standard on EMS, EMM and EMH. Not available on EBF, EQF

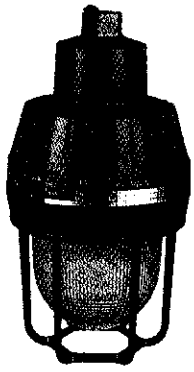
*CEN (CENELEC) approval option available. See pages L150-151 for more information.

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X
Factory Sealed

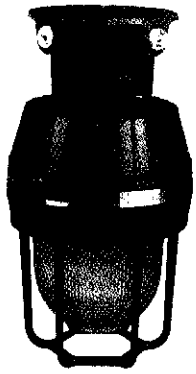
UL Listed - Files E10514 and E91793 (Marine)

CSA Certified - File LR11713

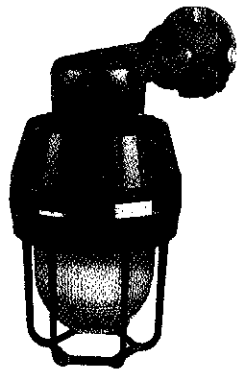
ORDERING INFORMATION



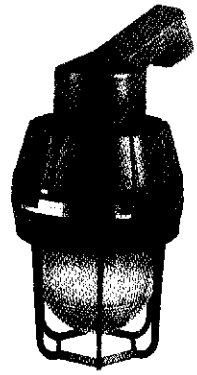
Pendant



Ceiling



Wall



Stanchion

EM 60-300W MEDIUM BASE INCANDESCENT①

LAMP TYPE	LAMP/WATTS	LAMP SIZE	CATALOG NUMBER④			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
INC	60, 75, 100, 150	A-19, A-21	EMI15A2G	EMI15X2G	EMI15B2G	EMI15D4G
	100, 150, 200, 300	A-23, PS-25	EMI20A2G	EMI20X2G	EMI20B2G	EMI20D4G
	200, 300	PS-25, PS-30	EMI30A2G	EMI30X2G	EMI30B2G	EMI30D4G

EBF 13-26W Bi-Pin COMPACT FLUORESCENT①

LAMP TYPE	Bi-Pin FLUORESCENT⑤		CATALOG NUMBER④			
	LAMP INCLUDED	LINE VOLTAGE @60Hz	PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
COMPACT FLUOR.	13 (1 X 13)	120	EBF131A2G	EBF131X2G	EBF131B2G	EBF131D4G
		277	EBF134A2G	EBF134X2G	EBF134B2G	EBF134D4G
	26 (2 X 13)	120	EBF261A2G	EBF261X2G	EBF261B2G	EBF261D4G
		277	EBF264A2G	EBF264X2G	EBF264B2G	EBF264D4G

EQF 26-42W WORLD VOLTAGE QUAD-PIN COMPACT FLUORESCENT①

LAMP TYPE	Quad-Pin FLUORESCENT⑤		CATALOG NUMBER④⑥			
	LAMP INCLUDED	LINE VOLTAGE	PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
COMPACT FLUOR.	26 Watt	120-277VAC 50-60Hz	EQF2630A2G	EQF2630X2G	EQF2630B2G	EQF2630D4G
	32 Watt	120-277VAC 50-60Hz	EQF3230A2G	EQF3230X2G	EQF3230B2G	EQF3230D4G
	42 Watt	120-277VAC 50-60Hz	EQF4230A2G	EQF4230X2G	EQF4230B2G	EQF4230D4G

① See Hazardous Location Application Data on pages L77-78 for specific suitabilities.
*② For 1" pendant, ceiling and wall hubs, substitute "3" for "2" in catalog number; example: **EBF131A3G**.*
③ Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (refer to catalog logic).
④ Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "G" from catalog number.
⑤ Minimum starting temperature is 0°F. Lamps supplied with fixture.
⑥ EQF fixtures use a tank extension ring and are 2.5" taller than EBF fixtures.
NOTE: Reflectors must be ordered separately (see page L73). All luminaires are designed for mounting with lamp in base up position.

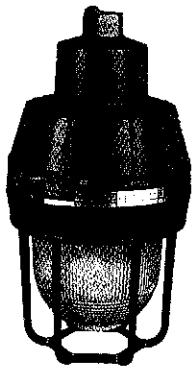
HUBBELL
KILLARK

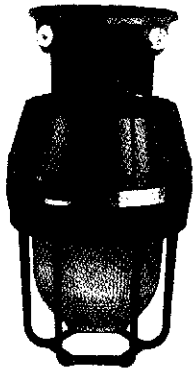
Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X
Factory Sealed

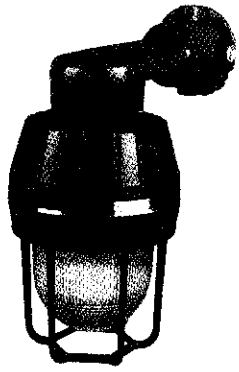
UL Listed - Files E10514 and E91793 (Marine)

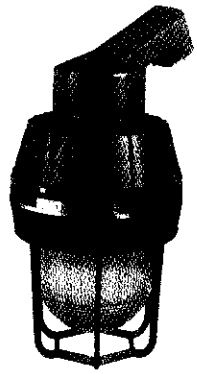
CSA Certified - File LR11713

ORDERING INFORMATION


Pendant


Ceiling


Wall


Stanchion

EM 35-150W MEDIUM BASE HIGH PRESSURE SODIUM①④

LAMP TYPE	LAMP WATTS	ANSI LAMP TYPE	VOLTAGE @60 HERTZ	CATALOG NUMBER④			
				PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
HPS	35	S-76	120	EMS351A2G	EMS351X2G	EMS351B2G	EMS351D4G
	50	S-68	120, 208, 240, 277	EMS050A2G	EMS050X2G	EMS050B2G	EMS050D4G
	70	S-62	120, 208, 240, 277	EMS070A2G	EMS070X2G	EMS070B2G	EMS070D4G
	70	S-62	480	EMS075A2G	EMS075X2G	EMS075B2G	EMS075D4G
	100	S-54	120, 208, 240, 277	EMS100A2G	EMS100X2G	EMS100B2G	EMS100D4G
	100	S-54	480	EMS105A2G	EMS105X2G	EMS105B2G	EMS105D4G
	150	S-55	120	EMS151A2G	EMS151X2G	EMS151B2G	EMS151D4G

EM 50-100W MEDIUM BASE METAL HALIDE①④

LAMP TYPE	LAMP WATTS	ANSI LAMP TYPE	VOLTAGE @60 HERTZ	CATALOG NUMBER④			
				PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
MH	50	M-110	120, 208, 240, 277	EMH050A2G	EMH050X2G	EMH050B2G	EMH050D4G
	70	M-98	120, 208, 240, 277	EMH070A2G	EMH070X2G	EMH070B2G	EMH070D4G
	100	M-90	120, 208, 240, 277	EMH100A2G	EMH100X2G	EMH100B2G	EMH100D4G

EM 50-100W MEDIUM BASE MERCURY VAPOR①④

LAMP TYPE	LAMP WATTS	ANSI LAMP TYPE	VOLTAGE @60 HERTZ	CATALOG NUMBER④			
				PENDANT 3/4" ②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
MV	50	H-46	120/277	EMM0510A2G	EMM0510X2G	EMM0510B2G	EMM0510D4G
	75	H-43	120	EMM751A2G	EMM751X2G	EMM751B2G	EMM751D4G
	75	H-43	277	EMM754A2G	EMM754X2G	EMM754B2G	EMM754D4G
	100	H-38	120, 208, 240, 277	EMM100A2G	EMM100X2G	EMM100B2G	EMM100D4G
	100	H-38	480	EMM105A2G	EMM105X2G	EMM105B2G	EMM105D4G

① See Hazardous Location Application Data on page L77-78 for specific suitabilities.
② For 1" pendant, ceiling and wall hubs, substitute "3" for "2" in catalog number; example: EMS351A3G.
③ Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (refer to catalog logic).
④ Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "G" from catalog number.
NOTE: Reflectors must be ordered separately (see page L73). All luminaires are designed for mounting with lamp in base up position.

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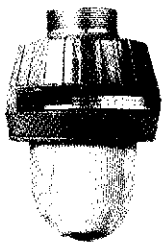
Listed - Files E10514 and E91793 (Marine)

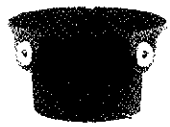
Certified - File LR11713

EMI15/20/EBF

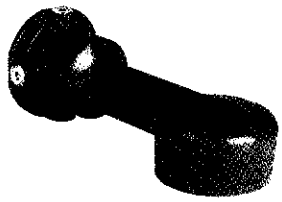


EMI30 & HID

Pendant



Ceiling



Wall Bracket

25° Stanchion

Housing, Globe and Globe Support Assemblies①

INCANDESCENT			
CATALOG NUMBER	LAMP TYPE	WATTS	VOLTS
EMI15	A-19 A-19, A-21 A-21	60, 75 100 150	250 MAX. VAC
EMI20	A-23, PS-25 A-23, PS-25 PS-25	150 200 300	250 MAX. VAC
EMI30	PS-25 PS-30	200 300	250 MAX. VAC

FLUORESCENT			
CATALOG NUMBER	ANSI LAMP TYPE	WATTS	VOLTS
EBF131 EBF134	Bi-Pin Fluorescent	13	120VAC 277VAC
EBF261 EBF264	Bi-Pin Fluorescent	26 (2x13)	120VAC 277VAC
EQF2630 EQF3230 EQF4230	Quad Pin Fluorescent	26 32 42	120-277 VAC 50-60Hz

HPS			
CATALOG NUMBER	ANSI LAMP TYPE	WATTS	VOLTS @60HZ.
EMS351	S-76	35	120
EMS050	S-68	50	Quadri-Volt
EMS070 EMS075	S-62	70	Quadri-Volt 480
EMS100 EMS105	S-54	100	Quadri-Volt 480
EMS151	S-55	150	120

METAL HALIDE			
CATALOG NUMBER	ANSI LAMP TYPE	WATTS	VOLTS @60HZ.
EMH050	M-110	50	Quadri-Volt
EMH070	M-98	70	Quadri-Volt
EMH100	M-90	100	Quadri-Volt

MERCURY VAPOR			
CATALOG NUMBER	ANSI LAMP TYPE	WATTS	VOLTS @60HZ.
EMM0510	H-46	50	120, 277
EMM751 EMM754	H-43	70	120 277
EMM100 EMM105	H-38	100	Quadri-Volt 480

① *Assemblies may be ordered with the CEN (CENELEC) suffix. See pages L150-151 for more information.*

MOUNTING BOXES				
CATALOG NUMBER				HUB SIZE
PENDANT	CEILING	BRACKET	STANCHION	
EZA2	EZX2	EZB2	—	3/4"
EZA3	EZX3	EZB3	—	1"
—	—	—	EZD4*	1-1/4"/1-1/2"*

**1-1/2" furnished with 1-1/2"-1-1/4" reducer*

EMG1

EMG2

EAC②

Standard Dome

Angle Dome

GUARDS		
CATALOG NUMBER	SERIES	LAMP TYPE
EMG1	EMI15	INC
	EMI20	INC
	EBF	Bi-Pin
	EQF	Quad-Pin
EMG2	EMI30	INC
	EMS	HPS
	EMH	MH
	EMM	MV
	ESX	Strobe

Guards are cast of copper-free aluminum with electrostatically applied epoxy/polyester finish.

② *Adapters for discontinued Killark "H" Series and Crouse Hinds® available. See page L148 for more information.*

REFLECTORS		
CATALOG NUMBER		SERIES
STANDARD DOME	ANGLE	
ERSD15	ERA15	EMI15/EMI20
		EBF
		EQF
ERSD30	ERA30	EMI30
		EMS
		EMH
		EMM

Reflectors are aluminum with white finish.

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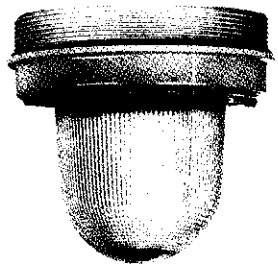
Exit Sign Accessory



Replacement Globe & Support Assemblies

Hazardous Locations Exit Sign

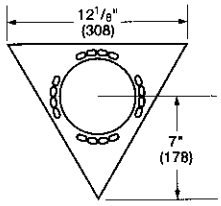
Applications

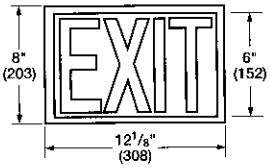
For use in hazardous areas to mark exits over doorways and in hallways.

Features

- Three sided illuminated sign visible from all three sides
- EXIT printed in 6" high red letters with 3/4" strokes as required by OSHA. Sign has open bottom providing light on exit area while illuminating the panel

EXIT SIGN	
CATALOG NUMBER	DESCRIPTION
HEXA-100	Fits EMI15, EMI20, EBF/EQF/EEQ Series without guard (Fixture not included)





REPLACEMENT FLUORESCENT LAMPS	
CATALOG NUMBER	SIZE & TYPE
MPL13	13W Bi-Pin
MQL26	26W Quad-Pin
MQL32	32W Quad-Pin
MQL42	42W Quad-Pin

REPLACEMENT GLOBE AND GLOBE SUPPORTS			
CATALOG NUMBER①	SERIES	LAMP TYPE	MAX. WATTAGE
EMGS1	EMI15	INC	150
	EMI20	INC	300
	EBF13/26	PL Bi-Pin Fluorescent	26
	EQF	PL Quad-Pin Fluorescent	42
EMGS2 EMGS3	EMI30	INC	300
	EMS	HPS	150
	EMH	MH	100
	EMM	MV	100

① *EMGS1, EMGS3 are internally fluted glass. EMGS2 is smooth clear glass used for ESX strobe.*

EM Series

EB Series

Male

Female

REPLACEMENT SOCKETS	
CATALOG NUMBER	DESCRIPTION
EMRS	EM Series E-26 Medium Base
EBRS	EB Series

REPLACEMENT CONNECTION BLOCKS	
CATALOG NUMBER	DESCRIPTION
EZTB	Male
EZCB	Female

COLORED GLOBE KITS FOR HAZARDOUS LOCATIONS②		
CATALOG NUMBER		DESCRIPTION
KIT NO.	REPLACEMENT COLORED GLOBE	
KT-100SU41R	VRGA-100	Red
KT-100SU41G	VGGA-100	Green

Used to modify EMI20 Series only fixtures to accept a colored inner globe. The kit includes the globe plus an adapter assembly and mounting instructions.

② *Maximum lamp size A-21 150 Watt.*

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EM/EB BALLAST DATA

LAMP SOURCE	LAMP WATTS/TYPE	VOLTAGE @ 60 HERTZ	START (AMPS)	OPERATING (AMPS)	OPEN (AMPS)	BALLAST CIRCUIT	REGULATION
(1) Bi-Pin Fluorescent	13W (1 X 13)	120 277	.39 .35	.30	—	NPF	—
(2) Bi-Pin Fluorescent	26W (2 X 13)	120 277	.78 .70	.60	—	NPF	—
Quad-Pin Fluorescent	26W 32W 42W	120-277	—	.24(120)/.11(277) .31(120)/.13(277) .38(120)/.18(277)	—	HPF	ELECTRONIC
HPS	35W S-76	120	.55	.40	.65	R-HPF①	±5% Line Voltage*
HPS	50W S-68	120	.58	.58	1.24	HX-HPF①	±5% Line Voltage*
		208	.35	.33	.59		
		240	.30	.29	.50		
		277	.24	.25	.44		
HPS	70W S-62	120	.75	.81	1.45	HX-HPF①	±5% Line Voltage*
		208	.45	.47	.85		
		240	.37	.40	.75		
		277	.35	.35	.65		
		480	.21	.21	.36		
HPS	100W S-54	120	1.30	1.15	2.20	HX-HPF①	±5% Line Voltage*
		208	.76	.66	1.27		
		240	.66	.57	1.10		
		277	.60	.49	.85		
		480	.33	.28	.57		
HPS	150W S-55	120	2.20	1.50	2.35	HX-HPF①	±5% Line Voltage*
MH	50W M-110	120	.87	.60	1.16	HX-HPF①	±5% Line Voltage ±12% Lamp Watts
		208	.51	.35	.67		
		240	.47	.30	.57		
		277	.39	.25	.50		
MH	70W M-98	120	.80	.85	1.70	HX-HPF①	±5% Line Voltage ±12% Lamp Watts
		208	.50	.50	1.04		
		240	.43	.43	.87		
		277	.39	.37	.78		
MH	100W M-90	120	1.20	1.15	2.30	HX-HPF①	±5% Line Voltage ±12% Lamp Watts
		208	.70	.60	1.30		
		240	.61	.55	1.10		
		277	.55	.45	.95		
MV	50W H-46	120	.60	.67	.30	CWA①	±5% Line Voltage ±10% Lamp Watts
		277	.26	.29	.13		
MV	75W H-43	120	.80	.82	.50	CWA①	±5% Line Voltage ±10% Lamp Watts
		277	.35	.36	.22		
MV	100W H-38	120	1.00	1.05	.64	CWA①	±5%Line Voltage ±10% Lamp Watts
		208	.58	.60	.37		
		240	.50	.52	.32		
		277	.43	.45	.28		
		480	.26	.26	.15		

** Lamp watts within ANSI Trapezoid limitations.*
① Ballast circuits are High Power Factor 90%+.

L

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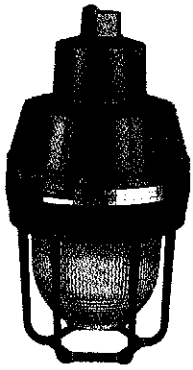
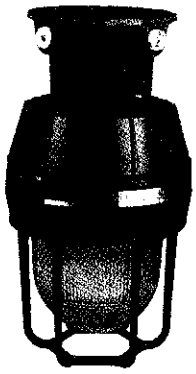
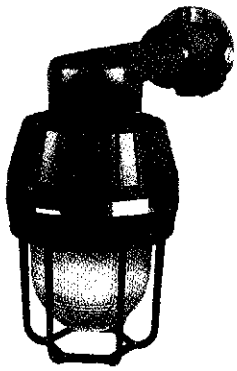
EM/EB/EQ/ESX/EEQ SERIES • LIGHTING DIMENSIONS



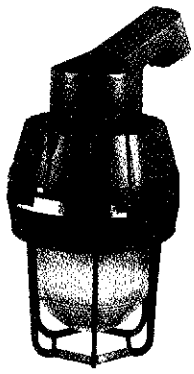
Pendant



Ceiling



Wall

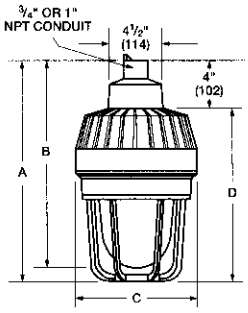


Stanchion

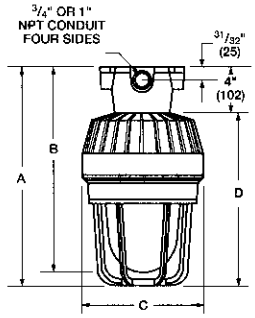
EM/EMB/ESX DIMENSIONS

SERIES	PENDANT				CEILING				WALL				STANCHION		
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C
EMI15 EMI20 EBF13 EBF26	14-5/16" (363)	13-11/16" (346)	7-7/16" (188)	10-5/16" (261)	14-5/16" (363)	13-11/16" (347)	7-7/16" (188)	10-5/16" (261)	15-13/16" (385)	14-7/16" (366)	14-1/2" (369)	10-5/16" (26)	14" (256)	13-1/4" (337)	13" (330)
EQF/EEQ	16-13/16" (427)	16-3/16" (411)	7-7/16" (188)	12-5/8" (321)	16-13/16" (427)	16-3/16" (411)	7-7/16" (188)	12-5/8" (321)	18-5/16" (465)	16-15/16" (430)	14-1/2" (368)	12-5/8" (321)	16-1/4" (413)	15-3/4" (400)	15-1/4" (387)
EMI30 EMH EMM EMS ESX	15-15/1" (404)	15-1/16" (382)	8-13/16" (224)	11-15/16" (303)	15-15/16" (404)	15-1/16" (382)	8-13/16" (224)	11-15/16" (303)	16-13/16" (426)	15-15/16" (404)	15" (379)	11-15/16" (303)	15-1/8" (384)	14" (356)	13-1/2" (343)

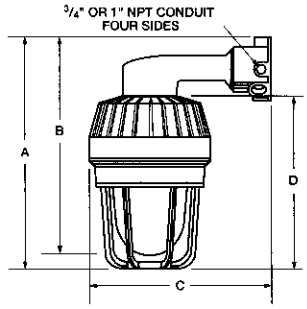
Pendant



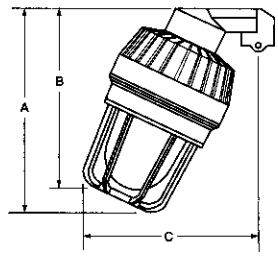
Ceiling

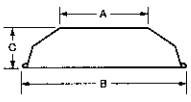


Wall

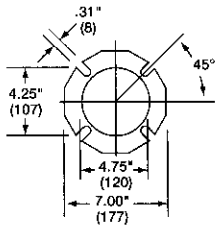


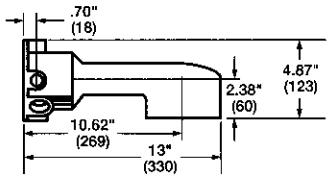
25° Stanchion

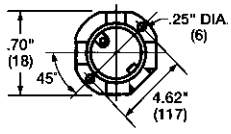


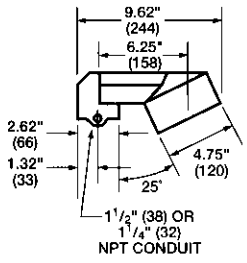


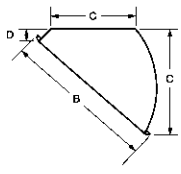
Standard Dome











Angle

REFLECTOR DIMENSIONS

SERIES	STANDARD DOME			ANGLE			
	A	B	C	A	B	C	D
EMI15/EMI20 EBF/EQF	7-3/8" (187)	14" (356)	3-3/4" (95)	7" (178)	11-1/2" (292)	7-3/4" (197)	1" (25)
EMI30/EMS EMH/EMM	8-3/4" (222)	16-1/8" (409)	3-15/16" (100)	8-3/4" (222)	14-3/16" (360)	7-3/4" (197)	1" (25)

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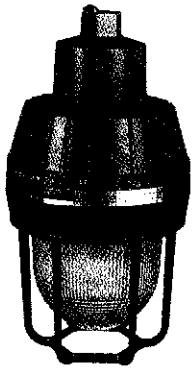
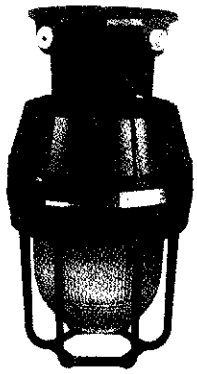
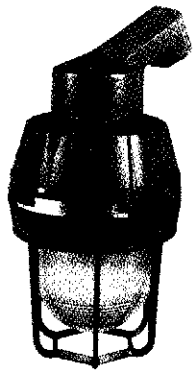


Pendant



Ceiling

Wall



Stanchion

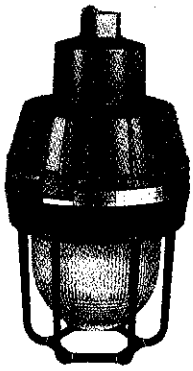
EM/EB/EQ HAZARDOUS LOCATION DATA–CLASS I, DIV. 1 & 2①②

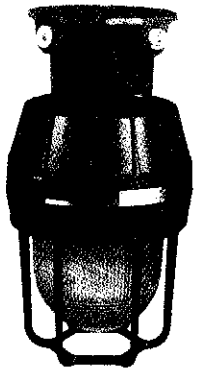
FIXTURE SERIES	LAMP TYPE/SIZE MAX.	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS I, DIVISIONS 1 & 2 MAXIMUM SURFACE TEMPERATURE °C UL/CSA WITH OR WITHOUT REFLECTOR		
					TEMP. I.D.	ACTUAL TEMP.	UL/CSA GROUPS
EMI15	INC A-19	60	40	75	T6	79	C,D
EMI15	INC A-19	75	40	75	T4A	103	C,D
EMI15	INC A-19	100	40	75	T4A	103	C,D
EMI15	INC A-21	100	40	75	T4A	101	C,D
EMI15	INC A-21	150	40	75	T4	123	C,D
EMI20	INC A-23	100	40	90	T4A	107	C,D
EMI20	INC A-23	150	40	90	T4	132	C,D
EMI20	INC PS-25	150	40	90	T4	126	C,D
EMI20	INC A-23	200	40	90	T3C	146	C,D
EMI20	INC PS-25	200	40	90	T3C	154	C,D
EMI20	INC PS-25	300	40	90	T3	190	C,D
EMI30	INC PS-25	200	40	110	T3C	146	C,D
EMI30	INC PS-25	300	40	110	T3C	143	C,D
EMI30	INC PS-30	200	40	110	T3C	146	C,D
EMI30	INC PS-30	300	40	110	T3C	146	C,D
EBF	1 13W Bi-Pin	13	40	75	T6	62	C,D
EBF	2 13W Bi-Pin	13	40	75	T6	62	C,D
EQF	1 26W Quad-Pin	26	40	75	T6	75	C,D
EQF	1 32W Quad-Pin	32	40	75	T6	75	C,D
EQF	1 42W Quad-Pin	42	40	75	T6	75	C,D
EMS35	HPS S-70	35	40	75	T6	65	C,D
EMS05	HPS S-68	50	40	75	T6	68	C,D
EMS07	HPS S-62	75	40	75	T6	83	C,D
EMS100	HPS S-54	100	40	75	T5	99	C,D
EMS150	HPS S-55	150	40	75	T4A	119	C,D
EMM05	MV H-46	50	40	75	T6	78	C,D
EMM75	MV H-43	75	40	75	T5	95	C,D
EMM100	MV H-38	100	40	75	T4A	111	C,D
EMH05	MH M-110	50	40	75	T6	78	C,D
EMH07	MH M-98	75	40	75	T5	95	C,D
EMH100	MH M-90	100	40	75	T4A	101	C,D

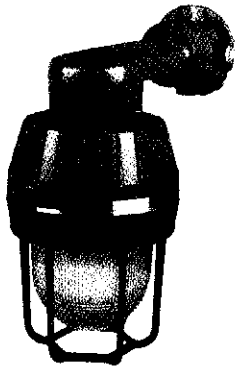
①Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.
②Simultaneous presence listed.

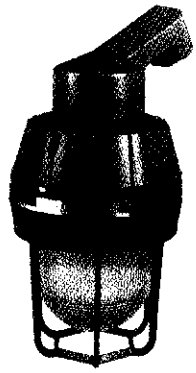
TABLE N.E.C. 500-5 (d)

I.D. NUMBER	MAXIMUM TEMPERATURE	
	DEGREES C	DEGREES F
T1	450	842
T2	300	572
T2A	280	536
T2B	260	500
T2C	230	446
T2D	215	419
T3	200	392
T3A	180	356
T3B	165	329
T3C	160	320
T4	135	275
T4A	120	248
T5	100	212
T6	85	185


Pendant


Ceiling


Wall


Stanchion

EM/EB/EQ HAZARDOUS LOCATION DATA–CLASS II, III, DIVISIONS 1 & 2 ①②

FIXTURE SERIES	LAMP TYPE/SIZE MAX.	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS II, DIV. 1 & 2 MAXIMUM SURFACE TEMPERATURE °C				UL/CSA GROUPS	CLASS III DIV. 1 & 2 UL/CSA SUITABILITY	UL MARINE LISTED③	U.L. PAINT SPRAY SUITABILITY	UL/CSA TYPE 3 (RAIN-TIGHT)	UL/CSA TYPE 4 (HOSE-DOWN)③
					UL/CSA WITHOUT REFLECTOR		UL/CSA WITH REFLECTOR							
					TEMP. I.D.	ACTUAL TEMP. °C	TEMP. I.D.	ACTUAL TEMP. °C						
EMI15	INC A-19	60	40	75	T3C	132	T3C	132	E,F,G	YES	YES	NO	YES	YES
EMI15	INC A-19	75	40	75	T3A	163	T3A	162	E,F	NO	YES	NO	YES	YES
EMI15	INC A-19	100	40	75	T3A	163	T3A	162	E,F	NO	YES	NO	YES	YES
EMI15	INC A-21	100	40	75	T3A	172	T3A	172	E,F	NO	YES	NO	YES	YES
EMI15	INC A-21	150	40	75	N/A	192	T3	192	E,F	NO	YES	NO	YES	YES
EMI20	INC A-23	100	40	90	T3A	166	T3A	166	E,F	NO	YES	NO	YES	YES
EMI20	INC A-23	150	40	90	T3	196	T3A	178	E,F	NO	YES	NO	YES	YES
EMI20	INC PS-25	150	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EMI20	INC A-23	200	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EMI20	INC PS-25	200	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EMI20	INC PS-25	300	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EMI30	INC PS-25	200	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EMI30	INC PS-25	300	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EMI30	INC PS-30	200	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EMI30	INC PS-30	300	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EBF	1 13W Bi-Pin	13	40	75	T6	69	T6	66	E,F,G	YES	NO	YES	YES	YES
EBF	2 13W Bi-Pin	13	40	75	T6	69	T6	66	E,F,G	YES	NO	YES	YES	YES
EQF	1 26W Quad-Pin	26	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES
EQF	1 32W Quad-Pin	32	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES
EQF	1 42W Quad-Pin	42	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES
EMS35	HPS S-70	35	40	75	T4A	116	T4A	116	E,F,G	YES	YES	YES	YES	YES
EMS05	HPS S-68	50	40	75	T4A	116	T4A	116	E,F,G	YES	YES	YES	YES	YES
EMS07	HPS S-62	75	40	75	T4A	116	T4A	116	E,F,G	YES	YES	YES	YES	YES
EMS100	HPS S-54	100	40	75	T3B	161	T3B	161	E,F,G	YES	YES	NO	YES	YES
EMS150	HPS S-55	150	40	75	T3A	180	T3B	180	E,F	NO	YES	NO	YES	YES
EMM05	MV H-46	50	40	75	T4	121	T4	121	E,F,G	YES	YES	YES	YES	YES
EMM75	MV H-43	75	40	75	T4	121	T4	121	E,F,G	YES	YES	YES	YES	YES
EMM100	MV H-38	100	40	75	T3C	153	T3C	153	E,F,G	YES	YES	NO	YES	YES
EMH05	MH M-110	50	40	75	T4	121	T4	121	E,F,G	YES	YES	YES	YES	YES
EMH07	MH M-98	70	40	75	T4	121	T4	121	E,F,G	YES	YES	YES	YES	YES
EMH100	MH M-90	100	40	75	T3C	153	T3C	153	E,F,G	YES	YES	NO	YES	YES

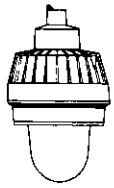
①Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.
②Simultaneous presence listed.
*③For UL-Marine and UL/CSA Type 4 listing add suffix "**ML**" to "**EMI**" Series fixture catalog number; standard on "**EMS**", "**EMH**", "**EMM**" series. Not available on "**EBF**", or "**EQF**" series.*

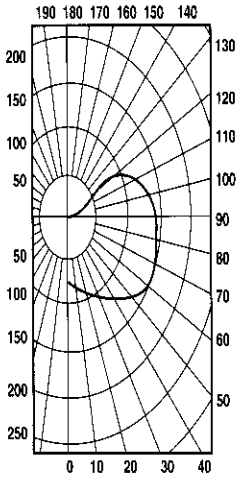
HUBBELL
KILLARK®

EMI15 INCANDESCENT
With Globe Only
60 – 100 Watt Medium Base

CANDLEPOWER – 100 WATT
A-19 lamp 1740 lumens

For 60 watt multiply by .494
For 75 watt multiply by .678





ANGLE	CP	ANGLE	CP
.0	72.	95.0	143.
5.0	74.	105.0	130.
15.0	86.	115.0	65.
25.0	100.	125.0	9.
35.0	109.	135.0	0.
45.0	123.	145.0	0.
55.0	148.	155.0	0.
65.0	160.	165.0	0.
75.0	155.	175.0	0.
85.0	149.	180.0	0.
90.0	146.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.79	.79	.79	.79	.74	.74	.74	.74	.66	.66	.66	.59	.59	.59	.52		.52	.52	.52	.49
1	.68	.63	.58	.54	.63	.59	.55	.51	.52	.49	.46	.45	.43	.40	.40		.38	.36	.33	
2	.60	.52	.46	.40	.56	.49	.43	.38	.43	.38	.34	.37	.33	.30	.32		.29	.26	.23	
3	.53	.44	.37	.31	.49	.41	.35	.30	.36	.31	.26	.31	.27	.23	.27		.23	.20	.18	
4	.48	.38	.31	.25	.45	.36	.29	.24	.31	.26	.21	.27	.23	.19	.23		.20	.16	.14	
5	.44	.33	.26	.21	.40	.31	.25	.20	.27	.22	.17	.24	.19	.15	.20		.16	.13	.11	
6	.40	.29	.22	.17	.37	.27	.21	.16	.24	.18	.14	.21	.16	.13	.18		.14	.11	.09	
7	.36	.26	.19	.14	.34	.24	.18	.13	.21	.16	.12	.18	.14	.10	.16		.12	.09	.07	
8	.34	.23	.17	.12	.31	.22	.16	.12	.19	.14	.10	.17	.12	.09	.14		.10	.08	.06	
9	.31	.21	.15	.10	.29	.20	.14	.10	.17	.12	.09	.15	.11	.08	.13		.09	.06	.05	
10	.29	.19	.13	.09	.27	.18	.12	.09	.16	.11	.08	.14	.09	.07	.12		.08	.06	.04	

Spacing Criterion – SC = 2.4

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 100 WATT INCANDESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	1.12	1.02	.55	.39	.23	.22	.16	.12	.07	.04
10'	.72	.71	.43	.35	.29	.22	.18	.14	.08	.05
12'	.50	.51	.36	.30	.25	.21	.17	.14	.09	.05
14'	.36	.39	.29	.27	.22	.18	.15	.14	.09	.06
16'	.28	.30	.25	.21	.19	.16	.14	.12	.09	.06
18'	.22	.23	.21	.19	.16	.14	.13	.12	.09	.06

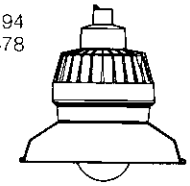
FC = (Candlepower) (COS Ø)
DISTANCE²

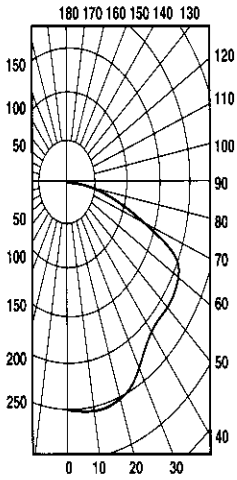
Test No. LTL-00676

EMI15 INCANDESCENT
With Globe and Standard Dome Reflector
60 – 100 Watt Medium Base

CANDLEPOWER – 100 WATT
A-19 lamp 1740 lumens

For 60 watt multiply by .494
For 75 watt multiply by .678





ANGLE	CP	ANGLE	CP
.0	261.	95.0	0.
5.0	260.	105.0	0.
15.0	254.	115.0	0.
25.0	252.	125.0	0.
35.0	236.	135.0	0.
45.0	220.	145.0	0.
55.0	221.	155.0	0.
65.0	203.	165.0	0.
75.0	72.	175.0	0.
85.0	10.	180.0	0.
90.0	2.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.70	.70	.70	.70	.68	.68	.68	.68	.65	.65	.65	.62	.62	.62	.60		.60	.60	.60	.58
1	.64	.61	.58	.56	.62	.59	.57	.55	.57	.55	.53	.55	.53	.52	.53		.51	.50	.49	
2	.58	.53	.49	.46	.56	.52	.48	.45	.50	.46	.44	.48	.45	.43	.46		.44	.42	.41	
3	.52	.46	.41	.37	.51	.45	.40	.37	.43	.39	.36	.42	.38	.35	.40		.37	.35	.33	
4	.48	.40	.35	.31	.46	.40	.35	.31	.38	.34	.30	.37	.33	.30	.35		.32	.29	.28	
5	.43	.35	.30	.26	.42	.35	.29	.26	.33	.29	.25	.32	.28	.25	.31		.28	.25	.23	
6	.39	.31	.26	.22	.38	.31	.25	.22	.30	.25	.21	.29	.24	.21	.28		.24	.21	.20	
7	.36	.28	.22	.18	.35	.27	.22	.18	.26	.22	.18	.25	.21	.18	.24		.21	.18	.17	
8	.33	.25	.20	.16	.32	.24	.19	.16	.24	.19	.16	.23	.19	.16	.22		.18	.16	.14	
9	.31	.22	.17	.14	.30	.22	.17	.14	.21	.17	.14	.21	.17	.14	.20		.16	.14	.12	
10	.29	.20	.15	.12	.28	.20	.15	.12	.19	.15	.12	.19	.15	.12	.18		.15	.12	.11	

Spacing Criterion – SC = 1.4

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 100 WATT INCANDESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	4.07	2.28	.83	.58	.40	.28	.21	.13	.04	.02
10'	2.61	1.80	.77	.57	.43	.32	.24	.18	.08	.03
12'	1.81	1.38	.71	.54	.42	.33	.26	.20	.11	.05
14'	1.33	1.07	.64	.50	.39	.32	.26	.21	.12	.07
16'	1.01	.86	.57	.46	.37	.30	.25	.21	.13	.08
18'	.80	.70	.50	.42	.35	.29	.24	.20	.13	.09

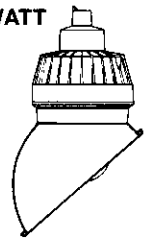
FC = (Candlepower) (COS Ø)
DISTANCE²

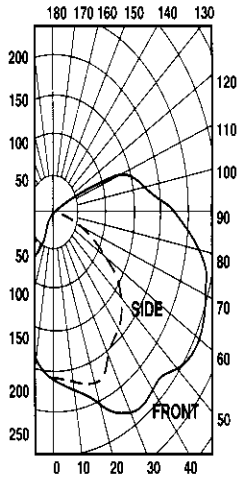
Test No. LTL-00677

EMI15 INCANDESCENT
With Globe and Angle Reflector
60 – 100 Watt Medium Base

CANDLEPOWER – 100 WATT
A-19 lamp 1740 lumens

For 60 watt multiply by .494
For 75 watt multiply by .678





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	209.	.0	209.
5.0	216.	5.0	213.
15.0	241.	15.0	222.
25.0	281.	25.0	227.
35.0	291.	35.0	206.
45.0	292.	45.0	190.
55.0	304.	55.0	149.
65.0	314.	65.0	55.
75.0	296.	75.0	25.
85.0	264.	85.0	6.
90.0	236.	90.0	2.
95.0	185.	95.0	0.
105.0	63.	105.0	0.
115.0	28.	115.0	0.
125.0	7.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.63	.63	.63	.63	.61	.61	.61	.61	.57	.57	.57	.54	.54	.54	.51		.51	.51	.51	.50
1	.56	.52	.49	.47	.54	.51	.48	.46	.48	.46	.44	.45	.43	.42	.42		.41	.40	.38	
2	.50	.45	.41	.37	.48	.44	.40	.36	.41	.38	.35	.39	.36	.34	.36		.34	.32	.31	
3	.45	.39	.34	.30	.44	.38	.33	.30	.36	.32	.29	.34	.30	.28	.32		.29	.27	.25	
4	.41	.34	.29	.26	.40	.34	.29	.25	.32	.28	.24	.30	.27	.24	.28		.25	.23	.22	
5	.38	.31	.25	.22	.36	.30	.25	.21	.28	.24	.21	.27	.23	.20	.25		.22	.20	.18	
6	.35	.27	.22	.19	.33	.26	.22	.18	.25	.21	.18	.24	.20	.17	.23		.19	.17	.16	
7	.32	.24	.19	.16	.31	.24	.19	.16	.22	.18	.15	.21	.18	.15	.20		.17	.15	.13	
8	.30	.22	.17	.14	.29	.21	.17	.14	.20	.16	.13	.19	.16	.13	.19		.15	.13	.12	
9	.27	.20	.15	.12	.26	.19	.15	.12	.19	.15	.12	.18	.14	.12	.17		.14	.11	.10	
10	.26	.18	.14	.11	.25	.18	.14	.11	.17	.13	.11	.16	.13	.10	.16		.12	.10	.09	

0-DEG / 90-DEG
Spacing Criterion – SC = 2.0 / 1.5

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 100 WATT INCANDESCENT
Horizontal Distance From Source in Feet

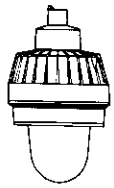
Mounting Height in Feet		0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	3.26	2.74	1.13	.81	.59	.43	.32	.24	.13	.08
	10'	2.09	2.01	1.03	.78	.59	.45	.35	.27	.15	.09
	12'	1.45	1.46	.91	.71	.56	.45	.36	.29	.17	.10
	14'	1.06	1.09	.80	.64	.52	.43	.35	.29	.18	.12
	16'	.81	.80	.68	.58	.48	.40	.33	.28	.18	.12
	18'	.64	.66	.58	.51	.44	.37	.31	.27	.18	.12
	8'	3.26	2.09	.64	.37	.19	.10	.05	.03	.02	.01
	10'	2.09	1.62	.67	.45	.28	.19	.11	.07	.02	.01
	12'	1.45	1.23	.62	.44	.33	.24	.17	.09	.03	.02
	14'	1.06	.96	.57	.44	.34	.25	.19	.14	.06	.02
	16'	.81	.76	.52	.41	.33	.26	.20	.16	.08	.04
90°	18'	.64	.61	.45	.36	.30	.25	.21	.16	.09	.04

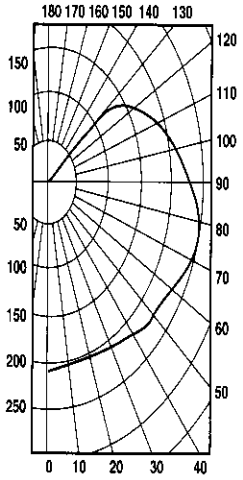
FC = (Candlepower) (COS Ø)
DISTANCE²

Test No. LTL-00678

EMI15 INCANDESCENT
With Globe Only
100 – 150 Watt Medium Base

CANDLEPOWER – 150 WATT
A-21 lamp 2880 lumens
For 100 watt multiply by .587





ANGLE	CP	ANGLE	CP
.0	214.	95.0	235.
5.0	215.	105.0	212.
15.0	214.	115.0	171.
25.0	213.	125.0	100.
35.0	218.	135.0	27.
45.0	230.	145.0	1.
55.0	242.	155.0	0.
65.0	249.	165.0	0.
75.0	251.	175.0	0.
85.0	246.	180.0	0.
90.0	242.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.87	.87	.87	.87	.82	.82	.82	.82	.72	.72	.72	.64	.64	.64	.56	.56	.56	.52
1	.75	.70	.65	.61	.70	.66	.61	.58	.57	.54	.51	.50	.47	.45	.43	.41	.39	.35
2	.67	.59	.52	.46	.62	.55	.49	.44	.48	.43	.39	.41	.37	.34	.35	.32	.29	.26
3	.60	.50	.43	.37	.56	.47	.40	.35	.41	.35	.31	.35	.31	.27	.30	.26	.23	.20
4	.55	.44	.36	.30	.51	.41	.34	.29	.36	.30	.25	.31	.26	.22	.26	.22	.19	.16
5	.50	.39	.31	.25	.46	.36	.29	.24	.31	.26	.21	.27	.22	.18	.23	.19	.16	.13
6	.45	.34	.26	.21	.42	.32	.25	.20	.28	.22	.18	.24	.19	.15	.20	.16	.13	.11
7	.42	.30	.23	.18	.38	.28	.22	.17	.25	.19	.15	.21	.17	.13	.18	.14	.11	.09
8	.38	.27	.20	.15	.36	.26	.19	.15	.22	.17	.13	.19	.15	.11	.16	.13	.10	.08
9	.36	.25	.18	.13	.33	.23	.17	.13	.20	.15	.11	.17	.13	.10	.15	.11	.08	.07
10	.33	.22	.16	.12	.31	.21	.15	.11	.18	.13	.10	.16	.12	.08	.14	.10	.07	.06

Spacing Criterion – SC = 1.6

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 150 WATT INCANDESCENT
Horizontal Distance From Source in Feet

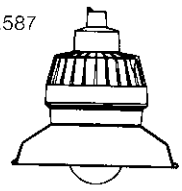
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	3.34	2.05	.90	.65	.47	.34	.26	.20	.11	.07
10'	2.14	1.65	.81	.62	.47	.36	.28	.22	.13	.08
12'	1.48	1.17	.70	.56	.45	.36	.29	.23	.14	.09
14'	1.09	.91	.60	.50	.41	.34	.28	.23	.15	.10
16'	.83	.73	.51	.44	.37	.32	.27	.23	.15	.10
18'	.66	.59	.44	.38	.33	.29	.25	.22	.15	.10

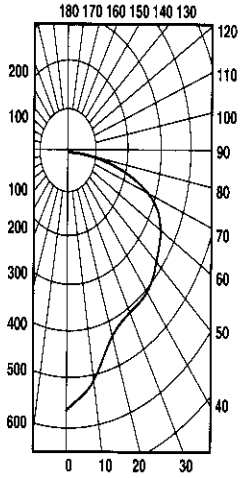
FC = (Candlepower) (COS Ø)
DISTANCE²

Test No. LTL-00679

EMI15 INCANDESCENT
With Globe and Standard Dome Reflector
100 – 150 Watt Medium Base

CANDLEPOWER – 150 WATT
A-21 lamp 2880 lumens
For 100 watt multiply by .587





ANGLE	CP	ANGLE	CP
.0	571.	95.0	0.
5.0	559.	105.0	0.
15.0	505.	115.0	0.
25.0	455.	125.0	0.
35.0	431.	135.0	0.
45.0	405.	145.0	0.
55.0	372.	155.0	0.
65.0	327.	165.0	0.
75.0	206.	175.0	0.
85.0	35.	180.0	0.
90.0	4.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.79	.79	.79	.79	.77	.77	.77	.77	.74	.74	.74	.70	.70	.70	.67	.67	.67	.66
1	.72	.68	.65	.62	.70	.67	.64	.61	.64	.62	.59	.61	.59	.58	.59	.57	.56	.54
2	.65	.59	.54	.50	.63	.58	.53	.49	.55	.51	.48	.53	.50	.47	.51	.48	.46	.45
3	.58	.51	.45	.41	.57	.50	.45	.40	.48	.43	.40	.46	.42	.39	.44	.41	.38	.37
4	.53	.45	.39	.34	.52	.44	.38	.34	.42	.37	.34	.41	.37	.33	.39	.36	.33	.31
5	.49	.40	.33	.29	.47	.39	.33	.29	.37	.32	.29	.36	.32	.28	.35	.31	.28	.26
6	.45	.35	.29	.24	.43	.35	.29	.24	.33	.28	.24	.32	.27	.24	.31	.27	.24	.22
7	.41	.31	.25	.21	.40	.31	.25	.21	.30	.24	.21	.29	.24	.20	.28	.23	.20	.19
8	.38	.28	.22	.18	.37	.28	.22	.18	.27	.22	.18	.26	.21	.18	.25	.21	.18	.16
9	.35	.26	.20	.16	.34	.25	.20	.16	.24	.19	.16	.24	.19	.16	.23	.19	.16	.14
10	.32	.23	.18	.14	.32	.23	.18	.14	.22	.17	.14	.22	.17	.14	.21	.17	.14	.13

Spacing Criterion – SC = 1.2

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 150 WATT INCANDESCENT
Horizontal Distance From Source in Feet

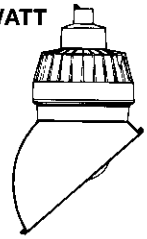
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	8.92	4.17	1.47	.98	.67	.48	.33	.23	.11	.06
10'	5.71	3.17	1.43	1.02	.72	.51	.40	.30	.14	.08
12'	3.96	2.57	1.32	.99	.75	.57	.44	.33	.19	.10
14'	2.91	2.05	1.18	.93	.73	.57	.46	.36	.21	.13
16'	2.23	1.68	1.04	.86	.69	.56	.45	.37	.22	.14
18'	1.76	1.39	.91	.76	.65	.54	.44	.36	.23	.15

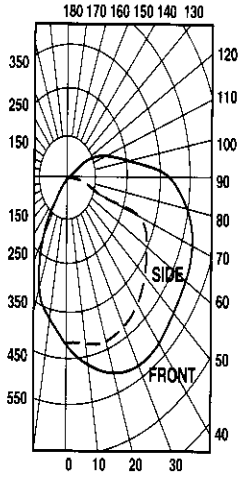
FC = (Candlepower) (COS Ø)
DISTANCE²

Test No. LTL-00680

EMI15 INCANDESCENT
With Globe and Angle Reflector
100 – 150 Watt Medium Base

CANDLEPOWER – 150 WATT
A-21 lamp 2880 lumens
For 100 watt multiply by .587





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	435.	.0	435.
5.0	451.	5.0	437.
15.0	486.	15.0	428.
25.0	504.	25.0	416.
35.0	529.	35.0	399.
45.0	525.	45.0	372.
55.0	518.	55.0	291.
65.0	502.	65.0	157.
75.0	479.	75.0	52.
85.0	438.	85.0	10.
90.0	401.	90.0	0.
95.0	348.	95.0	0.
105.0	204.	105.0	0.
115.0	72.	115.0	0.
125.0	14.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.70	.70	.70	.70	.68	.68	.68	.68	.64	.64	.64	.60	.60	.60	.57	.57	.57	.55
1	.63	.59	.56	.53	.60	.57	.54	.52	.54	.51	.49	.50	.48	.47	.47	.46	.44	.43
2	.56	.51	.46	.42	.54	.49	.45	.41	.46	.43	.40	.43	.41	.38	.41	.38	.36	.35
3	.51	.44	.39	.35	.49	.43	.38	.34	.40	.36	.33	.38	.35	.32	.36	.33	.30	.29
4	.47	.39	.34	.30	.45	.38	.33	.29	.36	.32	.28	.34	.30	.27	.32	.29	.26	.25
5	.43	.35	.29	.25	.41	.34	.29	.25	.32	.28	.24	.30	.26	.23	.29	.25	.23	.21
6	.40	.31	.26	.22	.38	.30	.25	.21	.29	.24	.21	.27	.23	.20	.26	.22	.20	.18
7	.36	.28	.23	.19	.35	.27	.22	.18	.26	.21	.18	.24	.20	.17	.23	.20	.17	.16
8	.34	.25	.20	.16	.33	.25	.20	.16	.23	.19	.16	.22	.18	.15	.21	.18	.15	.14
9	.31	.23	.18	.14	.30	.22	.18	.14	.21	.17	.14	.20	.16	.14	.19	.16	.13	.12
10	.29	.21	.16	.13	.28	.20	.16	.13	.20	.15	.12	.19	.15	.12	.18	.14	.12	.11

0-DEG / 90-DEG
Spacing Criterion – SC = 1.8 / 1.4

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 150 WATT INCANDESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet		0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	6.79	4.90	1.99	1.38	.97	.70	.53	.40	.22	.13
	10'	4.35	3.61	1.66	1.37	1.02	.77	.58	.45	.25	.15
	12'	3.02	2.73	1.64	1.29	1.00	.77	.61	.48	.28	.18
	14'	2.21	2.11	1.43	1.17	.95	.76	.62	.50	.30	.19
	16'	1.69	1.66	1.23	1.04	.87	.73	.60	.50	.32	.21
	18'	1.34	1.34	1.06	.92	.79	.67	.57	.48	.28	.21
90°	8'	6.79	3.86	1.26	.78	.43	.28	.16	.09	.04	.01
	10'	4.35	2.98	1.32	.87	.57	.39	.26	.16	.06	.03
	12'	3.02	2.29	1.21	.91	.64	.46	.34	.21	.08	.04
	14'	2.22	1.80	1.10	.86	.67	.51	.41	.28	.13	.06
	16'	1.70	1.45	.96	.80	.64	.51	.36	.32	.16	.09
	18'	1.34	1.18	.84	.70	.60	.50	.41	.29	.18	.09

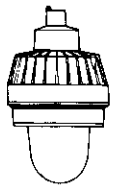
FC = (Candlepower) (COS Ø)
DISTANCE²

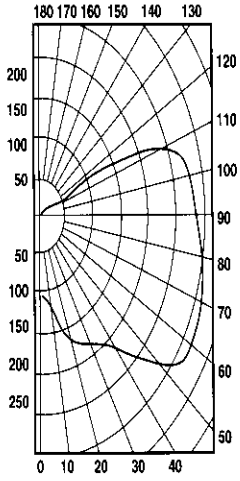
Test No. LTL-00681

HUBBELL®
KILLARK®

EMI20 INCANDESCENT
With Globe Only
150 – 200 Watt Medium Base

CANDLEPOWER – 200 WATT
A-23 lamp 4000 lumens
For 150 watt multiply by .695





ANGLE	CP	ANGLE	CP
.0	127.	95.0	322.
5.0	132.	105.0	241.
15.0	177.	115.0	87.
25.0	209.	125.0	11.
35.0	235.	135.0	1.
45.0	296.	145.0	0.
55.0	370.	155.0	0.
65.0	369.	165.0	0.
75.0	351.	175.0	0.
85.0	339.	180.0	0.
90.0	332.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.76	.76	.76	.76	.72	.72	.72	.72	.65	.65	.65	.58	.58	.58	.52	.52	.52	.49
1	.65	.60	.55	.51	.61	.57	.53	.49	.50	.47	.44	.45	.42	.40	.39	.37	.35	.33
2	.57	.50	.43	.38	.53	.47	.41	.36	.41	.37	.33	.36	.33	.29	.32	.29	.26	.23
3	.51	.42	.35	.29	.47	.39	.33	.28	.35	.30	.25	.30	.26	.23	.26	.23	.20	.17
4	.46	.36	.29	.24	.43	.34	.28	.23	.30	.25	.20	.26	.22	.18	.23	.19	.16	.14
5	.41	.31	.24	.19	.39	.30	.23	.18	.26	.21	.16	.23	.18	.15	.20	.16	.13	.11
6	.38	.27	.21	.16	.35	.26	.20	.15	.23	.17	.13	.20	.15	.12	.17	.13	.10	.08
7	.34	.24	.18	.13	.32	.23	.17	.12	.20	.15	.11	.18	.13	.10	.15	.11	.08	.07
8	.32	.22	.15	.11	.30	.20	.15	.10	.18	.13	.09	.16	.11	.08	.14	.10	.07	.05
9	.29	.19	.13	.09	.27	.18	.13	.09	.16	.11	.08	.14	.10	.07	.12	.09	.06	.04
10	.27	.18	.12	.08	.25	.17	.11	.08	.15	.10	.07	.13	.09	.06	.11	.08	.05	.04

Spacing Criterion – SC = 3.0

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 200 WATT INCANDESCENT
Horizontal Distance From Source in Feet

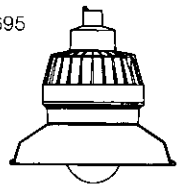
Mounting Height In Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	1.98	2.16	1.30	.99	.71	.52	.39	.28	.16	.09
10'	1.27	1.50	1.05	.87	.73	.55	.42	.33	.19	.11
12'	.88	1.09	.83	.73	.64	.52	.44	.35	.21	.13
14'	.64	.82	.65	.59	.53	.46	.41	.36	.22	.14
16'	.49	.62	.54	.47	.44	.41	.40	.32	.23	.15
18'	.39	.49	.46	.40	.37	.34	.32	.29	.23	.16

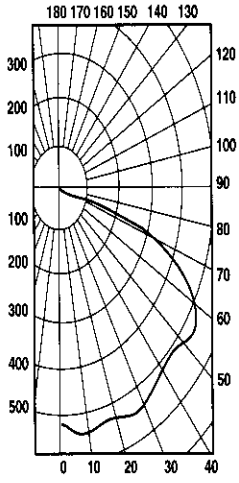
$FC = \frac{(Candlepower)\ (COS\ \emptyset)}{DISTANCE^2}$

Test No. LTL-00670

EMI20 INCANDESCENT
With Globe and Standard Dome Reflector
150 – 200 Watt Medium Base

CANDLEPOWER – 200 WATT
A-23 lamp 4000 lumens
For 150 watt multiply by .695





ANGLE	CP	ANGLE	CP
.0	517.	95.0	0.
5.0	529.	105.0	0.
15.0	534.	115.0	0.
25.0	556.	125.0	0.
35.0	519.	135.0	0.
45.0	503.	145.0	0.
55.0	531.	155.0	0.
65.0	451.	165.0	0.
75.0	108.	175.0	0.
85.0	20.	180.0	0.
90.0	1.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.66	.66	.66	.66	.65	.65	.65	.65	.62	.62	.62	.59	.59	.59	.57	.57	.57	.56
1	.61	.58	.56	.54	.59	.57	.55	.53	.55	.53	.51	.52	.51	.50	.50	.49	.48	.47
2	.55	.51	.47	.44	.54	.50	.46	.43	.48	.45	.42	.46	.44	.41	.44	.42	.40	.39
3	.50	.44	.40	.36	.49	.43	.39	.36	.42	.38	.35	.40	.37	.34	.39	.36	.34	.33
4	.46	.39	.34	.30	.44	.38	.33	.30	.37	.33	.29	.35	.32	.29	.34	.31	.29	.27
5	.41	.34	.29	.25	.40	.33	.28	.25	.32	.28	.24	.31	.27	.24	.30	.27	.24	.23
6	.38	.30	.25	.21	.37	.29	.24	.21	.28	.24	.21	.27	.23	.20	.26	.23	.20	.19
7	.34	.26	.21	.17	.33	.26	.21	.17	.25	.20	.17	.24	.20	.17	.23	.20	.17	.16
8	.32	.24	.19	.15	.31	.23	.18	.15	.22	.18	.15	.22	.18	.15	.21	.17	.15	.14
9	.29	.21	.16	.13	.28	.21	.16	.13	.20	.16	.13	.20	.16	.13	.19	.15	.13	.12
10	.27	.19	.15	.11	.26	.19	.14	.11	.18	.14	.11	.18	.14	.11	.17	.14	.11	.10

Spacing Criterion – SC = 1.5

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 200 WATT INCANDESCENT
Horizontal Distance From Source in Feet

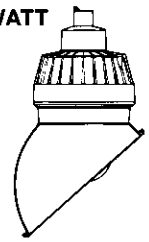
Mounting Height In Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	8.08	5.06	1.97	1.42	.94	.61	.47	.28	.09	.03
10'	5.17	3.98	1.78	1.36	1.04	.77	.56	.42	.18	.09
12'	3.59	3.00	1.61	1.24	.99	.78	.63	.46	.25	.12
14'	2.64	2.32	1.43	1.14	.91	.74	.62	.51	.29	.17
16'	2.02	1.83	1.26	1.04	.85	.69	.59	.49	.32	.20
18'	1.60	1.47	1.11	.94	.78	.66	.55	.47	.33	.21

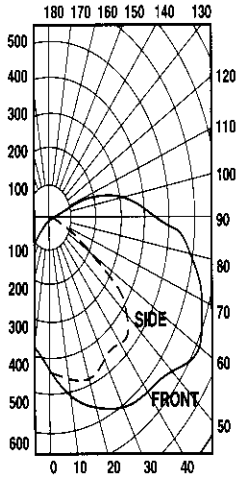
$FC = \frac{(Candlepower)\ (COS\ \emptyset)}{DISTANCE^2}$

Test No. LTL-00671

EMI20 INCANDESCENT
With Globe and Angle Reflector
150 – 200 Watt Medium Base

CANDLEPOWER – 200 WATT
A-23 lamp 4000 lumens
For 150 watt multiply by .695





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	448.	.0	448.
5.0	473.	5.0	457.
15.0	544.	15.0	486.
25.0	590.	25.0	497.
35.0	613.	35.0	460.
45.0	641.	45.0	462.
55.0	716.	55.0	353.
65.0	700.	65.0	129.
75.0	643.	75.0	59.
85.0	563.	85.0	14.
90.0	460.	90.0	5.
95.0	316.	95.0	1.
105.0	120.	105.0	0.
115.0	58.	115.0	0.
125.0	14.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.60	.60	.60	.60	.58	.58	.58	.58	.55	.55	.55	.52	.52	.52	.49	.49	.49	.48
1	.53	.50	.48	.45	.51	.49	.46	.44	.46	.44	.42	.43	.42	.40	.41	.40	.39	.37
2	.48	.43	.39	.36	.46	.42	.38	.35	.40	.36	.34	.37	.35	.33	.35	.33	.31	.30
3	.43	.37	.33	.29	.42	.36	.32	.29	.34	.31	.28	.33	.29	.27	.31	.28	.26	.25
4	.40	.33	.28	.25	.38	.32	.28	.24	.31	.27	.24	.29	.26	.23	.27	.25	.22	.21
5	.36	.29	.24	.21	.35	.28	.24	.20	.27	.23	.20	.26	.22	.19	.24	.21	.19	.18
6	.33	.26	.21	.18	.32	.25	.21	.17	.24	.20	.17	.23	.19	.17	.22	.19	.16	.15
7	.30	.23	.18	.15	.29	.23	.18	.15	.21	.17	.15	.20	.17	.14	.20	.16	.14	.13
8	.28	.21	.16	.13	.27	.20	.16	.13	.19	.16	.13	.19	.15	.13	.18	.15	.12	.11
9	.26	.19	.15	.12	.25	.18	.14	.11	.18	.14	.11	.17	.13	.11	.16	.13	.11	.10
10	.24	.17	.13	.10	.23	.17	.13	.10	.16	.12	.10	.15	.12	.10	.15	.12	.10	.09

0-DEG / 90-DEG
Spacing Criterion – SC = 2.0 / 1.6

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 200 WATT INCANDESCENT
Horizontal Distance From Source in Feet

Mounting Height In Feet		0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	7.00	5.77	2.58	1.91	1.35	.98	.73	.55	.29	.17
	10'	4.48	4.22	2.27	1.78	1.41	1.06	.81	.63	.34	.21
	12'	3.11	3.04	1.97	1.57	1.30	1.05	.85	.65	.39	.23
	14'	2.28	1.98	1.69	1.40	1.16	.97	.82	.69	.42	.27
	16'	1.75	1.88	1.44	1.23	1.04	.89	.74	.65	.44	.29
	18'	1.38	1.50	1.24	1.08	.94	.81	.70	.61	.44	.30
90°	8'	7.00	4.50	1.55	.94	.46	.24	.14	.09	.04	.02
	10'	4.48	3.56	1.63	1.07	.69	.46	.27	.15	.06	.03
	12'	3.11	2.69	1.45	1.13	.78	.56	.42	.23	.07	.04
	14'	2.28	2.09	1.26	1.03	.83	.63	.44	.34	.14	.05
	16'	1.75	1.67	1.12	.92	.77	.64	.49	.39	.19	.10
	18'	1.38	1.26	.99	.83	.70	.59	.50	.40	.22	.10

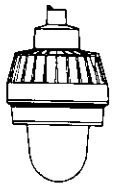
$FC = \frac{(Candlepower)\ (COS\ \emptyset)}{DISTANCE^2}$

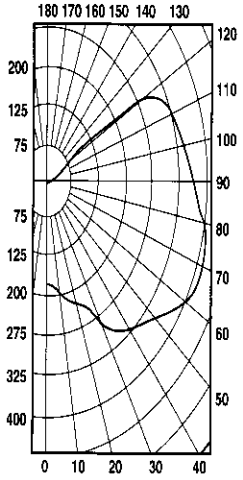
Test No. LTL-00672

EMI20 INCANDESCENT
With Globe Only Reflector
150, 200 and 300 Watt Medium Base

CANDLEPOWER – 300 WATT
PS-25 lamp 6360 lumens

For 150 watt multiply by .421
For 200 watt multiply by .506





ANGLE	CP	ANGLE	CP
.0	165.	95.0	379.
5.0	169.	105.0	348.
15.0	206.	115.0	238.
25.0	257.	125.0	66.
35.0	298.	135.0	6.
45.0	332.	145.0	0.
55.0	380.	155.0	0.
65.0	409.	165.0	0.
75.0	405.	175.0	0.
85.0	396.	180.0	0.
90.0	388.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.58	.58	.58	.58	.55	.55	.55	.55	.49	.49	.49		.43	.43	.43		.38	.38	.38	.35
1	.50	.46	.43	.40	.47	.44	.41	.38	.38	.36	.34		.33	.31	.29		.28	.27	.26	.23
2	.44	.39	.34	.30	.41	.36	.32	.28	.31	.28	.25		.27	.24	.22		.23	.21	.19	.17
3	.40	.33	.28	.23	.37	.31	.26	.22	.27	.23	.19		.23	.20	.17		.19	.17	.15	.13
4	.36	.28	.23	.19	.33	.27	.22	.18	.23	.19	.16		.20	.16	.14		.17	.14	.12	.10
5	.32	.25	.19	.16	.30	.23	.18	.15	.20	.16	.13		.17	.14	.11		.15	.12	.10	.08
6	.30	.22	.17	.13	.27	.20	.16	.12	.18	.14	.11		.15	.12	.09		.13	.10	.08	.06
7	.27	.19	.14	.11	.25	.18	.13	.10	.16	.12	.09		.13	.10	.08		.11	.08	.06	.05
8	.25	.17	.12	.09	.23	.16	.12	.09	.14	.10	.08		.12	.09	.06		.10	.07	.05	.04
9	.23	.16	.11	.08	.21	.15	.10	.07	.13	.09	.06		.11	.08	.06		.09	.07	.05	.03
10	.21	.14	.10	.07	.20	.13	.09	.06	.11	.08	.06		.10	.07	.05		.08	.06	.04	.03

Spacing Criterion – SC = 2.6

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 300 WATT INCANDESCENT
Horizontal Distance From Source in Feet

Mounting Height In Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	2.58	2.24	1.36	1.01	.75	.56	.43	.33	.18	.11
10'	1.65	1.84	1.17	.93	.75	.57	.45	.36	.21	.13
12'	1.15	1.32	.99	.82	.68	.56	.45	.37	.23	.14
14'	.84	.98	.82	.70	.60	.50	.43	.37	.24	.16
16'	.64	.73	.68	.60	.52	.46	.40	.34	.24	.16
18'	.51	.57	.57	.52	.46	.41	.36	.32	.23	.17

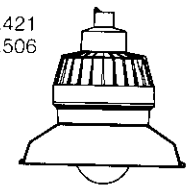
$FC = \frac{(Candlepower)(COS\ \emptyset)}{DISTANCE^2}$

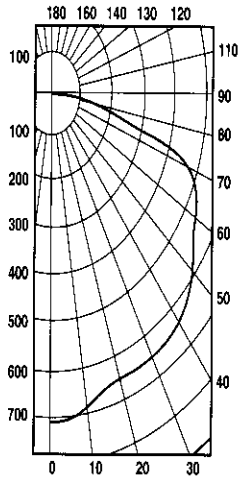
Test No. LTL-00673

EMI20 INCANDESCENT
With Globe and Standard Dome Reflector
150, 200 and 300 Watt Medium Base

CANDLEPOWER – 300 WATT
PS-25 lamp 6360 lumens

For 150 watt multiply by .421
For 200 watt multiply by .506





ANGLE	CP	ANGLE	CP
.0	725.	95.0	0.
5.0	722.	105.0	0.
15.0	675.	115.0	0.
25.0	657.	125.0	0.
35.0	646.	135.0	0.
45.0	605.	145.0	0.
55.0	580.	155.0	0.
65.0	542.	165.0	0.
75.0	255.	175.0	0.
85.0	26.	180.0	0.
90.0	2.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.52	.52	.52	.52	.51	.51	.51	.51	.49	.49	.49		.47	.47	.47		.45	.45	.45	.44
1	.48	.45	.44	.42	.46	.44	.43	.41	.43	.41	.40		.41	.40	.39		.39	.38	.37	.37
2	.43	.39	.36	.34	.42	.38	.36	.33	.37	.35	.32		.35	.33	.32		.34	.32	.31	.30
3	.39	.34	.30	.27	.38	.33	.30	.27	.32	.29	.27		.31	.28	.26		.30	.27	.26	.25
4	.35	.30	.26	.23	.34	.29	.26	.23	.28	.25	.22		.27	.24	.22		.26	.24	.22	.21
5	.32	.26	.22	.19	.31	.26	.22	.19	.25	.21	.19		.24	.21	.18		.23	.20	.18	.17
6	.29	.23	.19	.16	.28	.23	.19	.16	.22	.18	.16		.21	.18	.16		.20	.18	.15	.14
7	.27	.20	.16	.13	.26	.20	.16	.13	.19	.16	.13		.19	.16	.13		.18	.15	.13	.12
8	.25	.18	.14	.12	.24	.18	.14	.12	.18	.14	.12		.17	.14	.12		.16	.14	.11	.11
9	.23	.17	.13	.10	.22	.16	.13	.10	.16	.12	.10		.15	.12	.10		.15	.12	.10	.09
10	.21	.15	.11	.09	.21	.15	.11	.09	.14	.11	.09		.14	.11	.09		.14	.11	.09	.08

Spacing Criterion – SC = 1.4

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 300 WATT INCANDESCENT
Horizontal Distance From Source in Feet

Mounting Height In Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	11.32	6.23	2.16	1.55	1.07	.78	.57	.36	.15	.07
10'	7.25	4.70	2.14	1.49	1.14	.85	.64	.49	.23	.13
12'	5.03	3.60	1.97	1.48	1.09	.88	.69	.53	.31	.16
14'	3.70	2.83	1.78	1.40	1.09	.83	.66	.56	.33	.21
16'	2.83	2.26	1.55	1.29	1.04	.84	.65	.54	.35	.23
18'	2.24	1.86	1.34	1.15	.97	.81	.66	.53	.36	.24

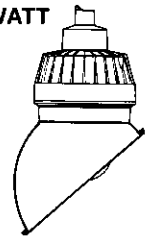
$FC = \frac{(Candlepower)(COS\ \emptyset)}{DISTANCE^2}$

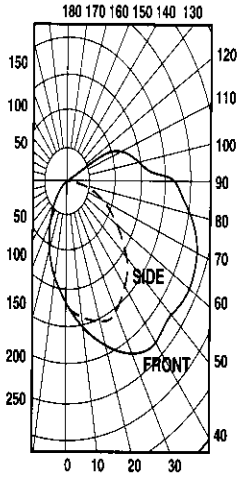
Test No. LTL-00674

EMI20 INCANDESCENT
With Globe and Angle Reflector
150, 200 and 300 Watt Medium Base

CANDLEPOWER – 300 WATT
PS-25 lamp 6360 lumens

For 150 watt multiply by .421
For 200 watt multiply by .506





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	536.	.0	536.
5.0	558.	5.0	544.
15.0	633.	15.0	572.
25.0	750.	25.0	602.
35.0	795.	35.0	585.
45.0	797.	45.0	541.
55.0	808.	55.0	432.
65.0	813.	65.0	208.
75.0	778.	75.0	73.
85.0	696.	85.0	22.
90.0	625.	90.0	10.
95.0	501.	95.0	2.
105.0	195.	105.0	0.
115.0	68.	115.0	0.
125.0	15.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.47	.47	.47	.47	.45	.45	.45	.45	.43	.43	.43		.40	.40	.40		.38	.38	.38	.37
1	.41	.39	.37	.35	.40	.38	.36	.34	.36	.34	.33		.34	.32	.31		.32	.31	.30	.29
2	.37	.33	.30	.28	.36	.32	.30	.27	.31	.28	.26		.29	.27	.25		.27	.26	.24	.23
3	.34	.29	.25	.23	.32	.28	.25	.22	.27	.24	.21		.25	.23	.21		.24	.22	.20	.19
4	.31	.26	.22	.19	.30	.25	.21	.19	.24	.21	.18		.22	.20	.18		.21	.19	.17	.16
5	.28	.23	.19	.16	.27	.22	.19	.16	.21	.18	.15		.20	.17	.15		.19	.16	.15	.14
6	.26	.20	.16	.14	.25	.20	.16	.14	.19	.16	.13		.18	.15	.13		.17	.14	.13	.12
7	.24	.18	.14	.12	.23	.18	.14	.12	.17	.14	.11		.16	.13	.11		.15	.13	.11	.10
8	.22	.16	.13	.10	.21	.16	.13	.10	.15	.12	.10		.14	.12	.10		.14	.11	.09	.09
9	.20	.15	.11	.09	.20	.14	.11	.09	.14	.11	.09		.13	.10	.08		.12	.10	.08	.07
10	.19	.13	.10	.08	.18	.13	.10	.08	.13	.10	.08		.12	.09	.07		.11	.09	.07	.07

0-DEG / 90-DEG
Spacing Criterion – SC = 2.1 / 1.5

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 300 WATT INCANDESCENT
Horizontal Distance From Source in Feet

	Mounting Height In Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	8.38	7.44	3.05	2.15	1.55	1.13	.85	.64	.35	.21
	10'	5.36	5.37	2.82	2.10	1.59	1.20	.93	.73	.41	.25
	12'	3.72	3.90	2.51	1.96	1.54	1.21	.96	.77	.46	.29
	14'	2.73	2.94	2.19	1.78	1.44	1.17	.95	.78	.48	.31
	16'	2.09	2.27	1.86	1.59	1.33	1.10	.92	.76	.50	.33
	18'	1.65	1.75	1.59	1.40	1.21	1.03	.87	.74	.50	.34
90°	8'	8.38	5.63	1.86	1.15	.61	.29	.22	.13	.05	.02
	10'	5.36	4.31	1.91	1.28	.85	.54	.37	.19	.09	.04
	12'	3.72	3.24	1.77	1.33	.93	.62	.51	.30	.12	.06
	14'	2.73	2.50	1.61	1.26	.98	.74	.55	.42	.19	.08
	16'	2.09	1.96	1.41	1.17	.94	.75	.58	.46	.25	.13
	18'	1.65	1.58	1.22	1.05	.87	.72	.59	.47	.27	.13

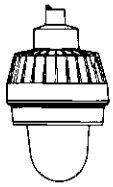
$FC = \frac{(Candlepower)(COS\ \emptyset)}{DISTANCE^2}$

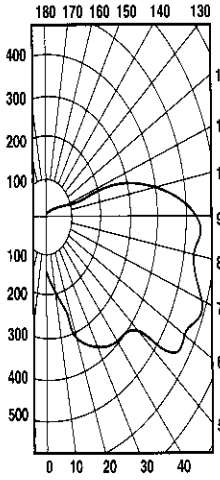
Test No. LTL-00675

HUBBELL
KILLARK®

EMI30 INCANDESCENT
With Globe Only
200 – 300 Watt Medium Base

CANDLEPOWER – 300 WATT
PS-25 lamp 6360 lumens
For 200 watt multiply by .597





ANGLE	CP	ANGLE	CP
.0	139.	95.0	485.
5.0	184.	100.0	389.
10.0	213.	105.0	234.
15.0	268.	110.0	80.
20.0	364.	115.0	15.
25.0	371.	120.0	11.
30.0	381.	125.0	7.
35.0	410.	130.0	3.
40.0	402.	135.0	1.
45.0	434.	140.0	0.
50.0	488.	145.0	0.
55.0	586.	150.0	0.
60.0	573.	155.0	0.
65.0	604.	160.0	0.
70.0	585.	165.0	0.
75.0	567.	170.0	0.
80.0	566.	175.0	0.
85.0	549.	180.0	0.
90.0	515.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.72	.72	.72	.72	.68	.68	.68	.68	.63	.63	.63		.57	.57	.57		.52	.52	.52	.50
1	.61	.57	.52	.49	.58	.54	.50	.47	.49	.46	.43		.44	.42	.39		.40	.38	.36	.33
2	.54	.46	.40	.35	.51	.44	.39	.34	.40	.35	.31		.36	.32	.29		.32	.29	.26	.24
3	.48	.39	.33	.28	.45	.37	.31	.26	.34	.29	.24		.30	.26	.22		.27	.23	.20	.18
4	.43	.34	.27	.22	.41	.32	.26	.21	.29	.24	.19		.26	.21	.18		.23	.19	.16	.14
5	.39	.29	.22	.17	.36	.28	.21	.17	.25	.19	.15		.22	.18	.14		.20	.16	.13	.11
6	.35	.25	.19	.14	.33	.24	.18	.14	.22	.16	.13		.19	.15	.11		.17	.13	.10	.09
7	.32	.23	.16	.12	.30	.21	.16	.11	.19	.14	.10		.17	.13	.09		.15	.11	.08	.07
8	.30	.20	.14	.10	.28	.19	.13	.10	.17	.12	.09		.15	.11	.08		.14	.10	.07	.06
9	.27	.18	.12	.08	.26	.17	.12	.08	.15	.11	.07		.14	.10	.07		.12	.08	.06	.04
10	.25	.16	.11	.07	.24	.16	.10	.07	.14	.09	.06		.13	.08	.06		.11	.08	.05	.04

Spacing Criterion – SC = 3.5

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 300 WATT INCANDESCENT
Horizontal Distance From Source in Feet

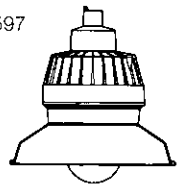
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	2.17	3.67	1.86	1.56	1.09	.84	.63	.47	.26	.15
10'	1.39	2.65	1.53	1.28	1.15	.85	.66	.54	.30	.19
12'	.96	1.97	1.26	1.06	.93	.80	.69	.54	.34	.21
14'	.71	1.55	1.13	.90	.78	.69	.66	.56	.34	.23
16'	.54	1.01	.92	.82	.67	.60	.54	.46	.35	.23
18'	.43	.74	.79	.67	.62	.52	.47	.43	.36	.24

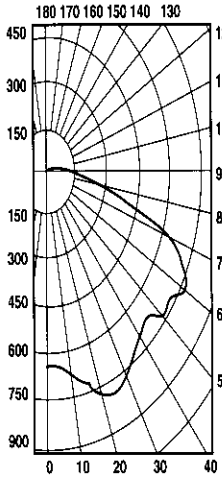
$$FC = \frac{(\text{Candlepower})(\cos \varnothing)}{\text{DISTANCE}^2}$$

Test No. BALL-6769.1

EMI30 INCANDESCENT
With Globe and Standard Dome Reflector
200 – 300 Watt Medium Base

CANDLEPOWER – 300 WATT
PS-25 lamp 6360 lumens
For 200 watt multiply by .597





ANGLE	CP	ANGLE	CP
.0	649.	95.0	1.
5.0	647.	100.0	0.
10.0	684.	105.0	0.
15.0	747.	110.0	0.
20.0	825.	115.0	0.
25.0	842.	120.0	0.
30.0	768.	125.0	0.
35.0	754.	130.0	0.
40.0	738.	135.0	0.
45.0	693.	140.0	0.
50.0	705.	145.0	0.
55.0	749.	150.0	0.
60.0	774.	155.0	0.
65.0	735.	160.0	0.
70.0	458.	165.0	0.
75.0	132.	170.0	1.
80.0	82.	175.0	0.
85.0	32.	180.0	1.
90.0	3.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.61	.61	.61	.61	.59	.59	.59	.59	.57	.57	.57		.54	.54	.54		.52	.52	.52	.51
1	.56	.53	.51	.49	.54	.52	.50	.49	.50	.49	.47		.48	.47	.46		.46	.45	.44	.43
2	.51	.46	.43	.40	.49	.46	.42	.40	.44	.41	.39		.42	.40	.38		.40	.39	.37	.36
3	.46	.41	.36	.33	.45	.40	.36	.33	.38	.35	.32		.37	.34	.31		.35	.33	.31	.30
4	.42	.35	.31	.27	.40	.35	.30	.27	.33	.30	.27		.32	.29	.26		.31	.28	.26	.25
5	.37	.30	.25	.22	.36	.30	.25	.22	.29	.25	.21		.28	.24	.21		.27	.23	.21	.20
6	.34	.27	.22	.18	.33	.26	.22	.18	.25	.21	.18		.24	.21	.18		.23	.20	.18	.17
7	.31	.24	.19	.15	.30	.23	.19	.15	.22	.18	.15		.22	.18	.15		.21	.18	.15	.14
8	.28	.21	.16	.13	.28	.21	.16	.13	.20	.16	.13		.19	.16	.13		.19	.15	.13	.12
9	.26	.19	.14	.11	.25	.18	.14	.11	.18	.14	.11		.17	.13	.11		.17	.13	.11	.10
10	.24	.17	.13	.10	.23	.17	.12	.10	.16	.12	.10		.16	.12	.09		.15	.12	.09	.08

Spacing Criterion – SC = 1.7

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 300 WATT INCANDESCENT
Horizontal Distance From Source in Feet

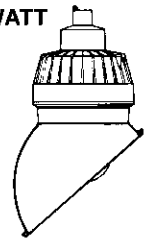
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	10.14	7.26	2.68	2.00	1.48	1.06	.77	.42	.16	.03
10'	6.49	6.02	2.45	1.85	1.47	1.13	.89	.67	.27	.14
12'	4.51	4.57	2.32	1.70	1.35	1.03	.89	.73	.41	.18
14'	3.31	3.51	2.07	1.65	1.25	1.02	.86	.72	.46	.28
16'	2.53	2.63	1.81	1.51	1.23	.96	.80	.67	.47	.32
18'	2.00	2.06	1.58	1.36	1.14	.95	.76	.64	.46	.32

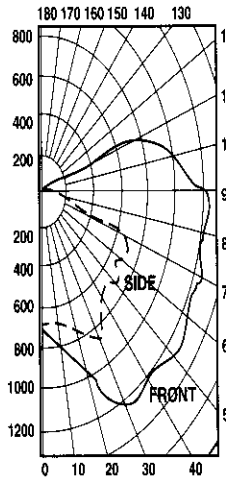
$$FC = \frac{(\text{Candlepower})(\cos \varnothing)}{\text{DISTANCE}^2}$$

Test No. BALL-6770.1

EMI30 INCANDESCENT
With Globe and Angle Reflector
200 – 300 Watt Medium Base

CANDLEPOWER – 300 WATT
PS-25 lamp 6360 lumens
For 200 watt multiply by .597





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	563.	.0	563.
5.0	714.	5.0	499.
15.0	888.	15.0	608.
25.0	927.	25.0	582.
35.0	853.	35.0	558.
45.0	875.	45.0	538.
55.0	950.	55.0	592.
65.0	998.	65.0	150.
75.0	890.	75.0	68.
85.0	807.	85.0	15.
90.0	561.	90.0	0.
95.0	179.	95.0	0.
105.0	96.	105.0	0.
115.0	33.	115.0	0.
125.0	0.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50				30				10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																			
0	.52	.52	.52	.52	.51	.51	.51	.51	.48	.48	.48		.45	.45	.45		.42	.42	.42	.41
1	.48	.43	.41	.39	.45	.42	.40	.38	.40	.38	.36		.37	.36	.34		.35	.34	.33	.32
2	.41	.37	.33	.30	.40	.36	.32	.29	.33	.31	.28		.31	.29	.27		.30	.28	.26	.25
3	.37	.32	.28	.24	.36	.31	.27	.24	.29	.26	.23		.27	.25	.22		.26	.23	.21	.20
4	.34	.28	.23	.20	.32	.27	.23	.20	.25	.22	.19		.24	.21	.19		.23	.20	.18	.17
5	.31	.24	.20	.16	.29	.24	.19	.16	.22	.19	.16		.21	.18	.15		.20	.17	.15	.14
6	.28	.22	.17	.14	.27	.21	.17	.14	.20	.16	.13		.19	.15	.13		.18	.15	.13	.12
7	.26	.19	.15	.12	.25	.19	.15	.12	.18	.14	.12		.17	.14	.11		.16	.13	.11	.10
8	.24	.17	.13	.10	.23	.17	.13	.10	.16	.12	.10		.15	.12	.10		.14	.11	.09	.08
9	.22	.16	.12	.09	.21	.15	.11	.09	.14	.11	.09		.14	.11	.08		.13	.10	.08	.07
10	.20	.14	.10	.08	.20	.14	.10	.08	.13	.10	.08		.12	.09	.07		.12	.09	.07	.06

0-DEG / 90-DEG
Spacing Criterion – SC =2.14 / 1.5

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 300 WATT INCANDESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet		0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	8.80	8.18	3.43	2.53	1.87	1.39	1.04	.79	.43	.24
	10'	5.63	6.63	3.09	2.37	1.86	1.42	1.12	.89	.50	.31
	12'	3.91	5.01	2.77	2.15	1.73	1.41	1.13	.93	.56	.35
	14'	2.87	3.90	2.34	1.96	1.58	1.44	1.08	.91	.58	.38
	16'	2.20	3.03	2.04	1.71	1.46	1.21	1.03	.86	.58	.40
	18'	1.74	2.45	1.77	1.52	1.30	1.13	.95	.83	.58	.41
90°	8'	8.80	5.18	2.17	1.58	.59	.25	.16	.09	.04	.02
	10'	5.63	4.16	1.90	1.49	1.16	.80	.36	.16	.04	.03
	12'	3.91	3.30	1.73	1.32	1.09	.88	.70	.29	.08	.03
	14'	2.87	2.56	1.53	1.23	.97	.82	.68	.57	.18	.06
	16'	2.20	2.06	1.29	1.12	.91	.74	.64	.54	.36	.13
	18'	1.74	1.68	1.11	.99	.84	.71	.59	.52	.36	.13

$$FC = \frac{(\text{Candlepower})(\cos \varnothing)}{\text{DISTANCE}^2}$$

Test No. BALL-6771.1

HUBBELL®
KILLARK®

EBF13/EQF SERIES FLUORESCENT

With Globe Only
One 13 Watt Bi-Pin Base
or one 26/32/42 Quad-Pin

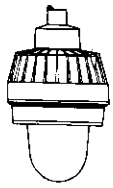
CANDLEPOWER – (1) 13 WATT

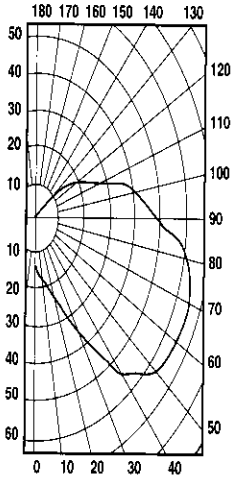
PL lamp 900 lumens

For 26 watt quad-pin multiply by 2.0

For 32 watt quad-pin multiply by 2.66

For 42 watt quad-pin multiply by 3.55





ANGLE	CP	ANGLE	CP
.0	13.	95.0	48.
5.0	14.	105.0	37.
15.0	21.	115.0	24.
25.0	31.	125.0	13.
35.0	48.	135.0	2.
45.0	60.	145.0	0.
55.0	66.	155.0	0.
65.0	66.	165.0	0.
75.0	63.	175.0	0.
85.0	57.	180.0	0.
90.0	52.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80			70			50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.60	.60	.60	.60	.57	.57	.57	.57	.51	.51	.51	.46	.46	.46	.41	.41	.41	.39
1	.52	.48	.44	.41	.49	.45	.42	.39	.40	.38	.35	.36	.34	.32	.31	.30	.28	.26
2	.45	.40	.35	.31	.43	.37	.33	.29	.33	.29	.26	.29	.26	.24	.25	.23	.21	.19
3	.40	.33	.28	.24	.38	.31	.26	.22	.28	.24	.20	.24	.21	.18	.21	.18	.16	.14
4	.37	.29	.23	.19	.34	.27	.22	.18	.24	.20	.16	.21	.17	.14	.18	.15	.13	.11
5	.33	.25	.19	.15	.31	.23	.18	.14	.21	.16	.13	.18	.14	.11	.16	.12	.10	.08
6	.30	.22	.16	.12	.28	.20	.15	.12	.18	.14	.10	.16	.12	.09	.13	.10	.08	.06
7	.27	.19	.14	.10	.25	.18	.13	.10	.16	.12	.08	.14	.10	.07	.12	.09	.06	.05
8	.25	.17	.12	.08	.23	.16	.11	.08	.14	.10	.07	.12	.09	.06	.11	.08	.05	.04
9	.23	.15	.10	.07	.22	.14	.10	.07	.13	.09	.06	.11	.08	.05	.09	.06	.04	.03
10	.21	.14	.09	.06	.20	.13	.09	.06	.11	.08	.05	.10	.07	.04	.08	.06	.04	.02

Spacing Criterion – SC = 3.8

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) (1) 13 WATT FLUORESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	.20	.40	.24	.18	.12	.09	.07	.05	.03	.02
10'	.13	.22	.21	.16	.13	.10	.07	.06	.03	.02
12'	.09	.15	.17	.15	.12	.10	.07	.06	.04	.02
14'	.07	.11	.13	.12	.11	.09	.07	.06	.04	.02
16'	.05	.08	.10	.10	.09	.08	.07	.06	.04	.03
18'	.04	.06	.08	.07	.07	.07	.06	.06	.04	.03

FC = (Candlepower) (COS Ø)
DISTANCE²

Test No. LTL 00667

EBF13/EQF SERIES FLUORESCENT

With Globe and Standard Dome Reflector
One 13 Watt Bi-Pin Base
or one 26/32/42 Quad-Pin

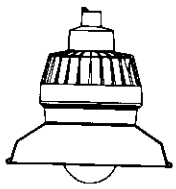
CANDLEPOWER – (1) 13 WATT

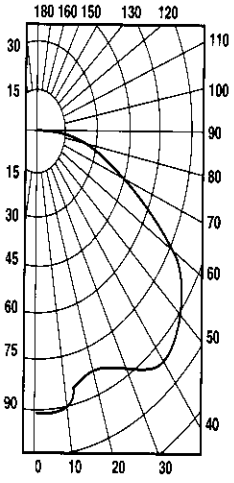
PL lamp 900 lumens

For 26 watt quad-pin multiply by 2.0

For 32 watt quad-pin multiply by 2.66

For 42 watt quad-pin multiply by 3.55





ANGLE	CP	ANGLE	CP
.0	92.	95.0	0.
5.0	93.	105.0	0.
15.0	86.	115.0	0.
25.0	86.	125.0	0.
35.0	95.	135.0	0.
45.0	97.	145.0	0.
55.0	88.	155.0	0.
65.0	64.	165.0	0.
75.0	35.	175.0	0.
85.0	7.	180.0	0.
90.0	1.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80			70			50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.52	.52	.52	.52	.51	.51	.51	.51	.49	.49	.49	.47	.47	.47	.45	.45	.45	.44
1	.48	.45	.43	.42	.46	.44	.43	.41	.42	.41	.40	.41	.39	.38	.39	.38	.37	.36
2	.43	.39	.36	.33	.42	.38	.36	.33	.37	.34	.32	.35	.33	.32	.34	.32	.31	.30
3	.39	.34	.30	.27	.38	.33	.30	.27	.32	.29	.26	.31	.28	.26	.30	.27	.26	.25
4	.35	.30	.26	.23	.34	.29	.26	.23	.28	.25	.22	.27	.24	.22	.26	.24	.22	.21
5	.32	.26	.22	.19	.31	.26	.22	.19	.25	.21	.19	.24	.21	.18	.23	.20	.18	.17
6	.29	.23	.19	.16	.28	.23	.19	.16	.22	.18	.16	.21	.18	.15	.20	.18	.15	.14
7	.27	.20	.16	.13	.26	.20	.16	.13	.19	.16	.13	.19	.15	.13	.18	.15	.13	.12
8	.25	.18	.14	.11	.24	.18	.14	.11	.17	.14	.11	.17	.13	.11	.16	.13	.11	.10
9	.23	.16	.12	.10	.22	.16	.12	.10	.15	.12	.10	.15	.12	.10	.14	.12	.09	.09
10	.21	.15	.11	.08	.20	.14	.11	.08	.14	.11	.08	.13	.10	.08	.13	.10	.08	.07

Spacing Criterion – SC = 1.6

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) (1) 13 WATT FLUORESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	1.44	.88	.35	.22	.14	.10	.07	.05	.02	.00
10'	.92	.61	.34	.24	.17	.12	.07	.06	.03	.01
12'	.64	.47	.30	.24	.18	.14	.10	.07	.04	.02
14'	.47	.37	.26	.21	.17	.14	.11	.08	.04	.02
16'	.36	.29	.22	.19	.16	.13	.11	.09	.05	.03
18'	.28	.24	.18	.16	.14	.12	.10	.09	.05	.03

FC = (Candlepower) (COS Ø)
DISTANCE²

Test No. LTL 00668

EBF13/EQF SERIES FLUORESCENT

With Globe and Angle Reflector
One 13 Watt Bi-Pin Base
or one 26/32/42 Quad-Pin

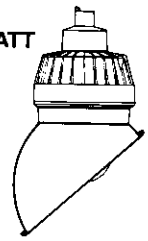
CANDLEPOWER – (1) 13 WATT

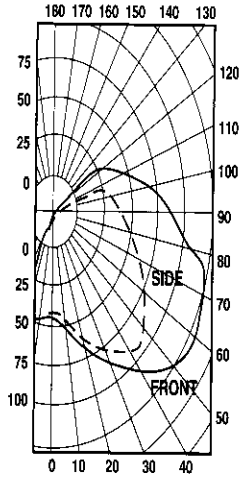
PL lamp 900 lumens

For 26 watt quad-pin multiply by 2.0

For 32 watt quad-pin multiply by 2.66

For 42 watt quad-pin multiply by 3.55





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	36.	.0	36.
5.0	27.	5.0	37.
15.0	35.	15.0	46.
25.0	53.	25.0	58.
35.0	81.	35.0	70.
45.0	106.	45.0	81.
55.0	121.	55.0	81.
65.0	126.	65.0	68.
75.0	123.	75.0	60.
85.0	113.	85.0	52.
90.0	106.	90.0	46.
95.0	97.	95.0	41.
105.0	77.	105.0	30.
115.0	54.	115.0	19.
125.0	32.	125.0	8.
135.0	12.	135.0	0.
145.0	1.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80			70			50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.50	.50	.50	.50	.48	.48	.48	.48	.44	.44	.44	.40	.40	.40	.36	.36	.36	.35
1	.44	.41	.38	.36	.41	.39	.36	.34	.35	.33	.31	.32	.30	.29	.28	.27	.26	.24
2	.39	.34	.30	.27	.37	.32	.29	.26	.29	.26	.24	.26	.24	.22	.23	.22	.20	.18
3	.35	.29	.25	.21	.33	.28	.24	.20	.25	.22	.19	.22	.20	.17	.20	.18	.16	.14
4	.31	.25	.21	.17	.30	.24	.20	.17	.22	.18	.15	.19	.17	.14	.17	.15	.13	.12
5	.28	.22	.18	.14	.27	.21	.17	.14	.19	.15	.13	.17	.14	.12	.15	.13	.11	.09
6	.26	.19	.15	.12	.24	.18	.14	.11	.17	.13	.11	.15	.12	.10	.13	.11	.09	.08
7	.24	.17	.13	.10	.22	.16	.12	.10	.15	.11	.09	.13	.10	.08	.12	.09	.07	.06
8	.22	.15	.11	.08	.21	.15	.11	.08	.13	.10	.08	.12	.09	.07	.11	.08	.06	.05
9	.20	.14	.10	.07	.19	.13	.10	.07	.12	.09	.06	.11	.08	.06	.10	.07	.05	.04
10	.19	.13	.09	.06	.18	.12	.08	.06	.11	.08	.06	.10	.07	.05	.09	.06	.05	.04

0-DEG / 90-DEG
Spacing Criterion – SC = 3.2 / 2.7

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) (1) 13 WATT FLUORESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet		0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	.56	.69	.43	.32	.24	.17	.13	.10	.05	.03
	10'	.36	.38	.37	.30	.24	.18	.14	.11	.06	.04
	12'	.25	.26	.29	.26	.22	.18	.14	.12	.07	.04
	14'	.18	.19	.22	.21	.19	.16	.14	.12	.07	.05
	16'	.14	.13	.17	.16	.15	.15	.13	.11	.07	.05
	18'	.11	.10	.14	.13	.13	.12	.11	.10	.07	.04
90°	8'	.56	.63	.31	.22	.14	.10	.07	.05	.03	.02
	10'	.36	.41	.29	.21	.16	.12	.08	.06	.03	.02
	12'	.25	.29	.24	.20	.15	.12	.10	.07	.04	.02
	14'	.18	.22	.19	.17	.15	.12	.09	.08	.04	.03
	16'	.14	.17	.16	.14	.12	.11	.09	.08	.05	.03
	18'	.11	.13	.13	.12	.11	.10	.09	.07	.05	.03

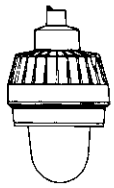
FC = (Candlepower) (COS Ø)
DISTANCE²

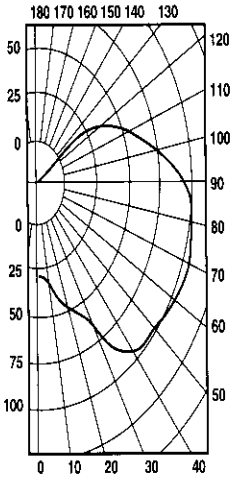
Test No. LTL 00669

HUBBELL
KILLARK®

EBF26 FLUORESCENT
With Globe Only
Two 13 Watt Bi-Pin Base

CANDLEPOWER – (2) 13 WATT
PL lamps
900 lumens per lamp





ANGLE	CP	ANGLE	CP
.0	28.	95.0	82.
5.0	29.	105.0	63.
15.0	40.	115.0	44.
25.0	58.	125.0	24.
35.0	82.	135.0	7.
45.0	100.	145.0	1.
55.0	110.	155.0	0.
65.0	111.	165.0	0.
75.0	106.	175.0	0.
85.0	96.	180.0	0.
90.0	90.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80			70			50			30			10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.52	.52	.52	.52	.49	.49	.49	.49	.44	.44	.44	.44	.39	.39	.39	.35	.35	.35	.33
1	.44	.41	.38	.36	.42	.39	.36	.34	.34	.32	.30	.30	.29	.27	.27	.25	.24	.22
2	.39	.34	.30	.26	.37	.32	.28	.25	.28	.25	.23	.25	.22	.20	.22	.20	.18	.16
3	.35	.29	.24	.20	.32	.27	.23	.19	.24	.20	.17	.21	.18	.15	.18	.16	.14	.12
4	.31	.25	.20	.16	.29	.23	.19	.16	.21	.17	.14	.18	.15	.13	.16	.13	.11	.09
5	.28	.22	.17	.13	.26	.20	.16	.13	.18	.14	.11	.16	.12	.10	.13	.11	.09	.07
6	.26	.19	.14	.11	.24	.18	.13	.10	.16	.12	.09	.14	.10	.08	.12	.09	.07	.06
7	.23	.17	.12	.09	.22	.16	.11	.08	.14	.10	.07	.12	.09	.07	.10	.08	.06	.04
8	.22	.15	.10	.07	.20	.14	.10	.07	.12	.09	.06	.11	.08	.05	.09	.07	.05	.04
9	.20	.13	.09	.06	.19	.12	.09	.06	.11	.08	.05	.10	.07	.05	.08	.06	.04	.03
10	.18	.12	.08	.05	.17	.11	.08	.05	.10	.07	.04	.09	.06	.04	.07	.05	.03	.02

Spacing Criterion – SC = 3.5

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) (2) 13 WATT FLUORESCENT
Horizontal Distance From Source in Feet

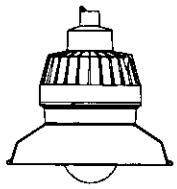
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	.44	.71	.40	.29	.21	.15	.12	.09	.05	.03
10'	.28	.41	.35	.27	.22	.16	.13	.10	.06	.03
12'	.19	.28	.29	.24	.20	.16	.13	.10	.06	.04
14'	.14	.21	.22	.20	.18	.15	.13	.10	.06	.04
16'	.11	.15	.17	.16	.15	.14	.12	.10	.07	.04
18'	.09	.11	.14	.13	.13	.12	.11	.09	.07	.05

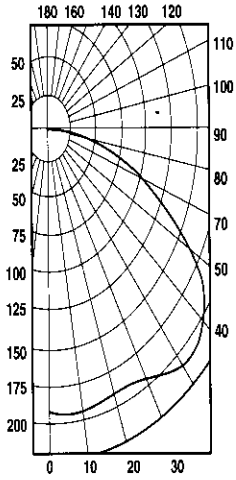
$FC = \frac{(Candlepower)(COS\ \Theta)}{DISTANCE^2}$

Test No. LTL 00682

EBF26 FLUORESCENT
With Globe and Standard Dome Reflector
Two 13 Watt Bi-Pin Base

CANDLEPOWER – (2) 13 WATT
PL lamps
900 lumens per lamp





ANGLE	CP	ANGLE	CP
.0	189.	95.0	0.
5.0	193.	105.0	0.
15.0	191.	115.0	0.
25.0	190.	125.0	0.
35.0	204.	135.0	0.
45.0	205.	145.0	0.
55.0	188.	155.0	0.
65.0	136.	165.0	0.
75.0	74.	175.0	0.
85.0	15.	180.0	0.
90.0	1.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80			70			50			30			10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.56	.56	.56	.56	.55	.55	.55	.55	.52	.52	.52	.50	.50	.50	.48	.48	.48	.47
1	.51	.49	.46	.45	.50	.47	.46	.44	.45	.44	.42	.44	.42	.41	.42	.41	.40	.39
2	.46	.42	.39	.36	.45	.41	.38	.36	.39	.37	.35	.38	.36	.34	.36	.35	.33	.32
3	.42	.36	.32	.39	.40	.36	.32	.29	.34	.31	.28	.33	.30	.28	.32	.29	.27	.26
4	.38	.32	.28	.35	.37	.31	.27	.24	.30	.27	.24	.29	.26	.24	.28	.25	.23	.22
5	.35	.28	.24	.20	.33	.28	.23	.20	.27	.23	.20	.26	.22	.20	.25	.22	.20	.19
6	.31	.25	.20	.17	.30	.24	.20	.17	.23	.20	.17	.23	.19	.17	.22	.19	.17	.16
7	.29	.22	.17	.14	.28	.21	.17	.14	.21	.17	.14	.20	.17	.14	.19	.16	.14	.13
8	.26	.20	.15	.12	.26	.19	.15	.12	.19	.15	.12	.18	.15	.12	.17	.14	.12	.11
9	.24	.17	.13	.11	.24	.17	.13	.11	.17	.13	.10	.16	.13	.10	.16	.13	.10	.09
10	.22	.16	.12	.09	.22	.16	.12	.09	.15	.11	.09	.15	.11	.09	.14	.11	.09	.08

Spacing Criterion – SC = 1.6

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) (2) 13 WATT FLUORESCENT
Horizontal Distance From Source in Feet

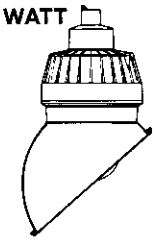
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	2.95	1.85	.75	.50	.31	.21	.14	.09	.04	.02
10'	1.89	1.36	.72	.52	.37	.28	.18	.13	.06	.03
12'	1.31	1.04	.64	.50	.38	.29	.22	.15	.08	.04
14'	.96	.81	.56	.45	.37	.29	.23	.18	.10	.05
16'	.73	.65	.46	.41	.34	.28	.23	.19	.12	.06
18'	.58	.53	.41	.34	.31	.26	.22	.18	.11	.07

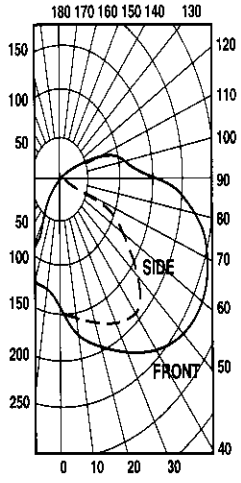
$FC = \frac{(Candlepower)(COS\ \Theta)}{DISTANCE^2}$

Test No. LTL 00683

EBF26 FLUORESCENT
With Globe and Angle Reflector
Two 13 Watt Bi-Pin Base

CANDLEPOWER – (2) 13 WATT
PL lamps
900 lumens per lamp





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	155.	.0	155.
5.0	166.	5.0	155.
15.0	190.	15.0	160.
25.0	211.	25.0	171.
35.0	242.	35.0	188.
45.0	264.	45.0	174.
55.0	274.	55.0	130.
65.0	269.	65.0	78.
75.0	238.	75.0	35.
85.0	189.	85.0	10.
90.0	161.	90.0	4.
95.0	132.	95.0	1.
105.0	75.	105.0	0.
115.0	27.	115.0	0.
125.0	4.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80			70			50			30			10			0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.49	.49	.49	.49	.48	.48	.48	.48	.45	.45	.45	.42	.42	.42	.40	.40	.40	.39
1	.44	.41	.39	.37	.42	.40	.38	.36	.38	.36	.35	.36	.34	.33	.33	.32	.31	.30
2	.40	.36	.32	.30	.38	.35	.32	.29	.32	.30	.28	.31	.29	.27	.29	.27	.26	.25
3	.36	.31	.27	.24	.34	.30	.27	.24	.28	.25	.23	.27	.24	.22	.25	.23	.21	.20
4	.33	.27	.23	.20	.31	.27	.23	.20	.25	.22	.19	.24	.21	.19	.22	.20	.18	.17
5	.30	.24	.20	.17	.29	.23	.20	.17	.22	.19	.16	.21	.18	.16	.20	.17	.15	.14
6	.27	.21	.17	.15	.26	.21	.17	.14	.20	.16	.14	.19	.16	.14	.18	.15	.13	.12
7	.25	.19	.15	.12	.24	.19	.15	.12	.18	.14	.12	.17	.14	.12	.16	.13	.11	.10
8	.23	.17	.13	.11	.22	.17	.13	.11	.16	.13	.10	.15	.12	.10	.14	.12	.10	.09
9	.21	.15	.12	.09	.21	.15	.12	.09	.14	.11	.09	.14	.11	.09	.13	.10	.09	.08
10	.20	.14	.10	.08	.19	.14	.10	.08	.13	.10	.08	.12	.10	.08	.12	.09	.07	.07

0-DEG / 90-DEG
Spacing Criterion – SC = 2.3 / 1.8

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) (2) 13 WATT FLUORESCENT
Horizontal Distance From Source in Feet

Mounting Height in Feet		0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	2.42	3.53	1.02	.73	.52	.38	.28	.21	.11	.06
	10'	1.55	1.51	.93	.70	.54	.41	.28	.24	.13	.08
	12'	1.08	1.11	.80	.65	.51	.41	.32	.26	.15	.09
	14'	.79	.85	.66	.56	.48	.39	.32	.26	.16	.10
	16'	.60	.66	.55	.48	.42	.36	.30	.26	.17	.11
	18'	.48	.30	.46	.34	.37	.33	.29	.25	.17	.11
90°	8'	2.42	1.73	.58	.35	.20	.13	.08	.05	.02	.00
	10'	1.55	1.22	.61	.40	.25	.18	.12	.05	.03	.02
	12'	1.08	.91	.57	.43	.29	.21	.15	.10	.04	.02
	14'	.79	.70	.52	.40	.31	.23	.17	.12	.06	.03
	16'	.60	.55	.43	.38	.30	.24	.18	.14	.07	.04
	18'	.48	.44	.37	.32	.29	.23	.19	.15	.08	.04

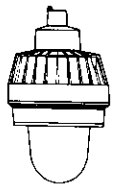
$FC = \frac{(Candlepower)(COS\ \Theta)}{DISTANCE^2}$

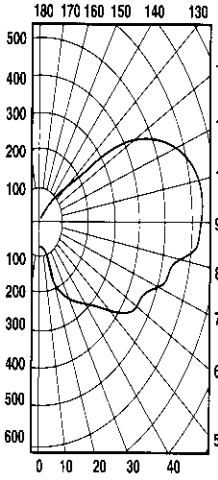
Test No. LTL 00684

EMS HIGH PRESSURE SODIUM
With Globe Only
35 – 100 Watt Medium Base

CANDLEPOWER – 70 WATT
B-17 clear lamp 6300 lumens

For 50 watt multiply by .357
For 50 watt multiply by .635
For 100 watt multiply by 1.508





ANGLE	CP	ANGLE	CP
.0	80.	95.0	651.
5.0	84.	100.0	635.
10.0	108.	105.0	624.
15.0	148.	110.0	581.
20.0	202.	115.0	505.
25.0	262.	120.0	250.
30.0	298.	125.0	23.
35.0	321.	130.0	8.
40.0	352.	135.0	3.
45.0	397.	140.0	3.
50.0	444.	145.0	1.
55.0	467.	150.0	0.
60.0	471.	155.0	0.
65.0	540.	160.0	0.
70.0	562.	165.0	0.
75.0	603.	170.0	0.
80.0	618.	175.0	0.
85.0	633.	180.0	0.
90.0	644.		

Coefficients of Utilization -- Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.85	.85	.85	.85	.79	.79	.79	.79	.69	.69	.69	.60	.60	.60	.51	.51	.51	.47
1	.72	.67	.62	.57	.67	.62	.58	.54	.53	.50	.46	.45	.42	.40	.37	.35	.33	.29
2	.64	.55	.48	.42	.58	.51	.45	.39	.43	.38	.34	.36	.32	.29	.30	.26	.24	.20
3	.57	.47	.39	.33	.52	.43	.36	.31	.37	.31	.26	.30	.26	.22	.25	.21	.18	.15
4	.51	.41	.33	.27	.47	.37	.30	.25	.32	.26	.21	.26	.21	.18	.21	.17	.14	.11
5	.46	.35	.27	.21	.42	.32	.25	.20	.27	.21	.17	.22	.18	.14	.18	.14	.11	.08
6	.42	.31	.23	.18	.39	.28	.21	.16	.24	.18	.14	.20	.15	.11	.16	.12	.09	.07
7	.39	.27	.20	.15	.36	.25	.19	.14	.21	.16	.12	.18	.13	.09	.14	.10	.07	.05
8	.36	.25	.18	.13	.33	.23	.16	.12	.19	.14	.10	.16	.11	.08	.13	.09	.06	.04
9	.33	.22	.15	.11	.30	.20	.14	.10	.17	.12	.08	.14	.10	.07	.11	.08	.05	.03
10	.31	.20	.14	.10	.28	.19	.13	.09	.16	.11	.07	.13	.09	.06	.10	.07	.04	.03

Spacing Criterion -- SC = 4.3

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 70 WATT H.P.S.
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	1.25	2.94	1.69	1.24	.90	.73	.56	.43	.25	.16
10'	.80	1.87	1.40	1.16	.92	.70	.54	.47	.28	.18
12'	.55	1.21	1.11	.97	.85	.69	.55	.44	.30	.19
14'	.41	.86	.88	.77	.71	.62	.54	.45	.28	.21
16'	.31	.57	.74	.64	.59	.55	.48	.42	.29	.19
18'	.25	.41	.61	.55	.50	.45	.43	.39	.29	.20

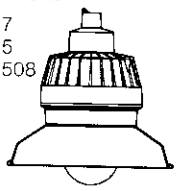
FC = (Candlepower) (COS Ø)
DISTANCE²

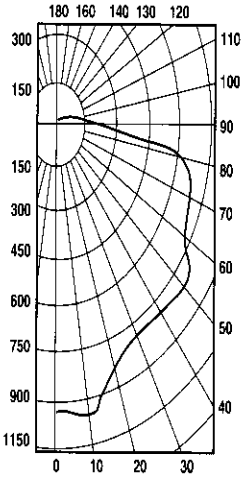
Test No. BALL 6686.0

EMS HIGH PRESSURE SODIUM
With Globe and Standard Dome Reflector
35 – 100 Watt Medium Base

CANDLEPOWER – 70 WATT
B-17 clear lamp 6300 lumens

For 50 watt multiply by .357
For 50 watt multiply by .635
For 100 watt multiply by 1.508





ANGLE	CP	ANGLE	CP
.0	960.	95.0	1.
5.0	933.	100.0	0.
10.0	957.	105.0	0.
15.0	902.	110.0	0.
20.0	856.	115.0	0.
25.0	808.	120.0	0.
30.0	805.	125.0	0.
35.0	789.	130.0	0.
40.0	786.	135.0	0.
45.0	812.	140.0	0.
50.0	804.	145.0	0.
55.0	766.	150.0	0.
60.0	722.	155.0	0.
65.0	740.	160.0	0.
70.0	724.	165.0	0.
75.0	689.	170.0	0.
80.0	170.	175.0	0.
85.0	31.	180.0	0.
90.0	3.		

Coefficients of Utilization -- Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.76	.76	.76	.76	.74	.74	.74	.74	.71	.71	.71	.68	.68	.68	.65	.65	.65	.64
1	.69	.65	.62	.60	.67	.64	.61	.59	.61	.59	.57	.59	.57	.55	.56	.55	.53	.52
2	.61	.55	.50	.46	.59	.54	.49	.45	.52	.48	.44	.49	.46	.43	.47	.45	.42	.41
3	.55	.47	.41	.37	.53	.46	.41	.36	.44	.40	.36	.42	.38	.35	.41	.37	.34	.33
4	.50	.41	.35	.30	.48	.40	.34	.30	.39	.33	.29	.37	.33	.29	.36	.32	.28	.27
5	.45	.36	.29	.24	.43	.35	.29	.24	.33	.28	.24	.32	.27	.24	.31	.27	.23	.22
6	.41	.31	.25	.20	.40	.31	.25	.20	.30	.24	.20	.28	.24	.20	.27	.23	.20	.18
7	.38	.28	.22	.17	.36	.27	.22	.17	.26	.21	.17	.25	.21	.17	.24	.20	.17	.15
8	.34	.25	.19	.15	.33	.24	.19	.15	.24	.18	.15	.23	.18	.14	.22	.18	.14	.13
9	.32	.22	.16	.13	.31	.22	.16	.13	.21	.16	.12	.20	.16	.12	.20	.15	.12	.11
10	.29	.20	.15	.11	.29	.20	.15	.11	.19	.14	.11	.18	.14	.11	.18	.14	.11	.10

Spacing Criterion – SC = 1.3

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 70 WATT H.P.S.
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	15.00	7.63	3.06	2.04	1.38	1.02	.77	.58	.31	.18
10'	9.60	5.78	2.87	2.11	1.50	1.11	.83	.65	.38	.23
12'	6.67	4.54	2.47	1.99	1.54	1.18	.91	.68	.42	.26
14'	4.89	3.65	2.17	1.75	1.46	1.18	.92	.74	.43	.28
16'	3.75	2.97	2.14	1.58	1.31	1.12	.92	.76	.45	.29
18'	2.96	2.49	1.66	1.41	1.19	1.01	.89	.75	.47	.30

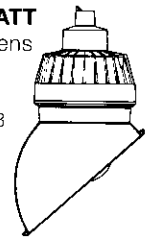
FC = (Candlepower) (COS Ø)
DISTANCE²

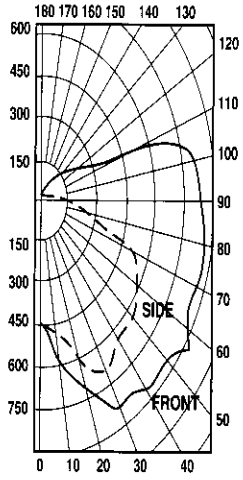
Test No. BALL 6687.0

EMS HIGH PRESSURE SODIUM
With Globe and Angle Reflector
35 – 100 Watt Medium Base

CANDLEPOWER – 70 WATT
B-17 clear lamp 6300 lumens

For 50 watt multiply by .357
For 50 watt multiply by .635
For 100 watt multiply by 1.508





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	469.	.0	469.
5.0	520.	5.0	479.
15.0	655.	15.0	543.
25.0	846.	25.0	736.
35.0	937.	35.0	713.
45.0	974.	45.0	677.
55.0	1011.	55.0	614.
65.0	993.	65.0	578.
75.0	994.	75.0	84.
85.0	955.	85.0	21.
90.0	915.	90.0	0.
95.0	786.	95.0	0.
105.0	120.	105.0	0.
115.0	39.	115.0	0.
125.0	0.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.66	.66	.66	.66	.64	.64	.64	.64	.59	.59	.59	.55	.55	.55	.51	.51	.51	.50
1	.58	.54	.51	.48	.55	.52	.49	.46	.48	.46	.43	.44	.42	.40	.41	.39	.38	.36
2	.52	.46	.41	.36	.49	.44	.39	.35	.40	.37	.33	.37	.34	.31	.34	.32	.30	.28
3	.47	.39	.34	.29	.44	.38	.33	.29	.35	.31	.27	.32	.29	.26	.30	.27	.24	.22
4	.42	.34	.29	.24	.40	.33	.28	.24	.31	.26	.22	.28	.24	.21	.26	.23	.20	.19
5	.38	.30	.24	.20	.36	.29	.23	.19	.27	.22	.18	.25	.21	.18	.23	.19	.17	.15
6	.35	.27	.21	.17	.33	.26	.20	.16	.24	.19	.16	.22	.18	.15	.20	.17	.14	.13
7	.32	.24	.18	.14	.31	.23	.18	.14	.21	.17	.13	.20	.16	.13	.18	.15	.12	.11
8	.30	.21	.16	.12	.28	.20	.16	.12	.19	.15	.12	.18	.14	.11	.16	.13	.10	.09
9	.27	.19	.14	.11	.26	.18	.14	.10	.17	.13	.10	.16	.12	.09	.15	.11	.09	.08
10	.25	.17	.12	.09	.24	.17	.12	.09	.16	.11	.09	.14	.11	.08	.13	.10	.08	.07

0-DEG / 90-DEG
Spacing Criterion – SC = 2.53 / 1.87

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 70 WATT H.P.S.
Horizontal Distance From Source in Feet

	Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	7.33	9.07	3.67	2.69	1.89	1.39	1.04	.79	.44	.26
	10'	4.69	6.05	3.44	2.53	1.98	1.50	1.13	.89	.51	.31
	12'	3.26	4.11	3.04	2.39	1.85	1.46	1.20	.94	.56	.35
	14'	2.39	3.11	2.57	2.16	1.76	1.40	1.15	.97	.59	.38
	16'	1.83	2.31	2.27	1.87	1.61	1.34	1.10	.92	.65	.40
	18'	1.45	1.81	1.97	1.69	1.43	1.25	1.03	.89	.62	.42
90°	8'	7.33	6.88	2.45	1.64	1.12	.81	.60	.34	.15	.02
	10'	4.69	5.27	2.39	1.69	1.20	.90	.67	.52	.17	.12
	12'	3.26	3.59	2.06	1.66	1.23	.93	.73	.55	.32	.13
	14'	2.39	2.72	1.96	1.46	1.22	.95	.75	.59	.35	.22
	16'	1.83	1.91	1.74	1.43	1.09	.93	.74	.61	.37	.24
	18'	1.45	1.50	1.52	1.30	1.06	.84	.74	.59	.38	.25

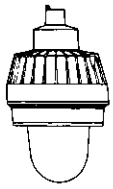
FC = (Candlepower) (COS Ø)
DISTANCE²

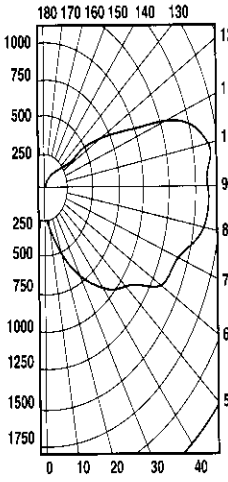
Test No. BALL 6688.0

HUBBELL
KILLARK®

EMS HIGH PRESSURE SODIUM
With Globe Only Reflector
150 Watt Medium Base

CANDLEPOWER – 150 WATT
B-17 clear lamp
16000 lumens





ANGLE	CP	ANGLE	CP
.0	195.	95.0	1576.
5.0	212.	100.0	1596.
10.0	267.	105.0	1514.
15.0	362.	110.0	1386.
20.0	480.	115.0	1150.
25.0	611.	120.0	685.
30.0	701.	125.0	245.
35.0	763.	130.0	25.
40.0	864.	135.0	10.
45.0	960.	140.0	3.
50.0	1048.	145.0	2.
55.0	1117.	150.0	0.
60.0	1264.	155.0	0.
65.0	1304.	160.0	0.
70.0	1374.	165.0	0.
75.0	1505.	170.0	0.
80.0	1555.	175.0	0.
85.0	1568.	180.0	0.
90.0	1546.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.82	.82	.82	.82	.76	.76	.76	.76	.66	.66	.66	.57	.57	.57	.49	.49	.49	.45
1	.70	.64	.60	.55	.65	.60	.56	.52	.51	.48	.45	.43	.41	.38	.36	.34	.32	.28
2	.61	.53	.46	.40	.56	.49	.43	.38	.42	.37	.32	.35	.31	.27	.28	.25	.22	.19
3	.55	.45	.38	.32	.50	.42	.35	.29	.35	.30	.25	.29	.25	.21	.24	.20	.17	.14
4	.49	.39	.31	.25	.45	.36	.29	.24	.30	.25	.20	.25	.21	.17	.20	.17	.14	.11
5	.45	.34	.26	.20	.41	.31	.24	.19	.26	.20	.16	.22	.17	.13	.17	.13	.10	.08
6	.41	.30	.22	.17	.37	.27	.21	.16	.23	.17	.13	.19	.14	.11	.15	.11	.08	.06
7	.37	.26	.19	.14	.34	.24	.18	.13	.21	.15	.11	.17	.12	.09	.13	.10	.07	.05
8	.34	.24	.17	.12	.32	.22	.16	.11	.18	.13	.09	.15	.11	.08	.12	.08	.06	.04
9	.32	.21	.15	.10	.29	.20	.14	.10	.17	.12	.08	.14	.09	.06	.11	.07	.05	.03
10	.30	.19	.13	.09	.27	.18	.12	.08	.15	.10	.07	.12	.08	.05	.10	.06	.04	.02

Spacing Criterion – SC = 4.3

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 150 WATT H.P.S.
Horizontal Distance From Source in Feet

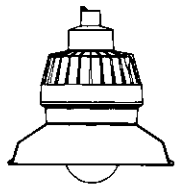
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	3.05	7.35	3.99	2.98	2.41	1.78	1.36	1.09	.62	.40
10'	1.95	4.37	3.39	2.75	2.19	1.71	1.45	1.14	.67	.43
12'	1.35	2.76	2.72	2.36	2.01	1.65	1.32	1.19	.73	.48
14'	.99	2.04	2.10	1.93	1.73	1.50	1.25	1.07	.75	.50
16'	.76	1.31	1.70	1.53	1.44	1.32	1.18	1.00	.70	.51
18'	.60	1.00	1.44	1.27	1.19	1.11	1.05	.95	.69	.53

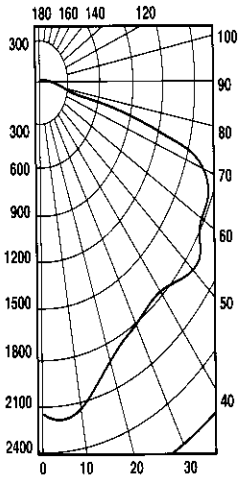
FC = (Candlepower) (COS Ø)
DISTANCE²

Test No. BALL 6683.0

EMS HIGH PRESSURE SODIUM
With Globe and Standard Dome Reflector
150 Watt Medium Base

CANDLEPOWER – 150 WATT
B-17 clear lamp
16000 lumens





ANGLE	CP	ANGLE	CP
.0	2289.	95.0	3.
5.0	2296.	100.0	0.
10.0	2282.	105.0	0.
15.0	2117.	110.0	0.
20.0	1981.	115.0	0.
25.0	1921.	120.0	0.
30.0	1911.	125.0	0.
35.0	1888.	130.0	0.
40.0	1898.	135.0	0.
45.0	1940.	140.0	0.
50.0	1959.	145.0	0.
55.0	1898.	150.0	0.
60.0	1869.	155.0	0.
65.0	1851.	160.0	0.
70.0	1763.	165.0	0.
75.0	1469.	170.0	0.
80.0	601.	175.0	0.
85.0	93.	180.0	0.
90.0	7.		

Coefficients of Utilization -- Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.71	.71	.71	.71	.70	.70	.70	.70	.67	.67	.67	.64	.64	.64	.61	.61	.61	.60
1	.65	.61	.59	.56	.63	.60	.57	.55	.57	.55	.53	.55	.53	.52	.53	.52	.50	.49
2	.58	.52	.47	.43	.56	.51	.47	.43	.49	.45	.42	.47	.44	.41	.45	.42	.40	.39
3	.52	.45	.39	.35	.50	.44	.39	.34	.42	.37	.34	.40	.36	.33	.39	.35	.33	.31
4	.47	.39	.33	.28	.45	.38	.32	.28	.36	.32	.28	.35	.31	.27	.34	.30	.27	.26
5	.42	.34	.27	.23	.41	.33	.27	.23	.31	.26	.23	.30	.26	.22	.29	.25	.22	.21
6	.38	.30	.24	.19	.37	.29	.23	.19	.28	.23	.19	.27	.22	.19	.26	.22	.19	.17
7	.35	.26	.20	.16	.34	.26	.20	.16	.25	.20	.16	.24	.19	.16	.23	.19	.16	.15
8	.32	.23	.18	.14	.31	.23	.18	.14	.22	.17	.14	.21	.17	.14	.21	.17	.14	.12
9	.30	.21	.15	.12	.29	.20	.15	.12	.20	.15	.12	.19	.15	.12	.18	.14	.11	.10
10	.28	.19	.14	.10	.27	.19	.14	.10	.18	.13	.10	.17	.13	.10	.17	.13	.10	.09

Spacing Criterion – SC = 1.3

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 150 WATT H.P.S.
Horizontal Distance From Source in Feet

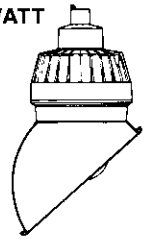
Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	35.76	18.03	7.46	5.06	3.57	2.57	1.94	1.42	.75	.39
10'	22.89	13.74	6.86	5.14	3.73	2.82	2.14	1.66	.91	.56
12'	15.89	10.75	5.97	4.76	3.75	2.87	2.25	1.77	1.04	.63
14'	11.68	8.44	5.19	4.24	3.50	2.85	2.33	1.83	1.11	.71
16'	8.94	7.10	4.54	3.78	3.16	2.68	2.24	1.86	1.16	.76
18'	7.06	5.84	3.94	3.36	2.88	2.44	2.12	1.81	1.17	.78

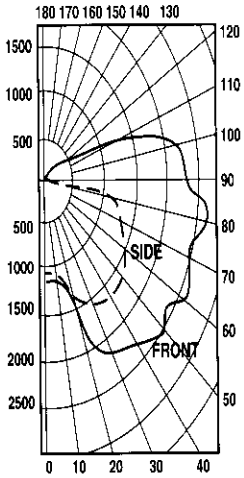
FC = (Candlepower) (COS Ø)
DISTANCE²

Test No. BALL 6684.0

EMS HIGH PRESSURE SODIUM
With Globe and Angle Reflector
150 Watt Medium Base

CANDLEPOWER – 150 WATT
B-17 clear lamp
16000 lumens





0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	1163.	.0	1163.
5.0	1259.	5.0	1170.
15.0	1590.	15.0	1315.
25.0	2122.	25.0	1676.
35.0	2308.	35.0	1635.
45.0	2478.	45.0	1523.
55.0	2481.	55.0	1469.
65.0	2506.	65.0	1341.
75.0	2540.	75.0	256.
85.0	2431.	85.0	32.
90.0	2367.	90.0	0.
95.0	1868.	95.0	0.
105.0	584.	105.0	0.
115.0	104.	115.0	0.
125.0	3.	125.0	0.
135.0	2.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.64	.64	.64	.64	.62	.62	.62	.62	.57	.57	.57	.53	.53	.53	.50	.50	.50	.48
1	.56	.52	.49	.46	.54	.50	.47	.44	.46	.44	.42	.43	.41	.39	.40	.38	.36	.35
2	.50	.44	.39	.35	.47	.42	.38	.34	.39	.35	.32	.36	.33	.30	.33	.31	.28	.27
3	.45	.38	.33	.28	.43	.37	.32	.28	.34	.29	.26	.31	.28	.25	.29	.26	.23	.21
4	.41	.33	.28	.23	.39	.32	.27	.23	.29	.25	.22	.27	.23	.20	.25	.22	.19	.18
5	.37	.29	.23	.19	.35	.28	.23	.19	.26	.21	.18	.24	.20	.17	.22	.19	.16	.14
6	.34	.26	.20	.16	.32	.25	.20	.16	.23	.18	.15	.21	.17	.14	.20	.16	.14	.12
7	.31	.23	.18	.14	.30	.22	.17	.14	.20	.16	.13	.19	.15	.12	.18	.14	.12	.10
8	.29	.21	.15	.12	.27	.20	.15	.12	.18	.14	.11	.17	.13	.10	.16	.12	.10	.09
9	.26	.18	.13	.10	.25	.18	.13	.10	.16	.12	.09	.15	.12	.09	.14	.11	.08	.07
10	.25	.17	.12	.09	.23	.16	.12	.09	.15	.11	.08	.14	.10	.08	.13	.10	.07	.06

0-DEG / 90-DEG
Spacing Criterion – SC = 2.53 / 1.87

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 150 WATT H.P.S.
Horizontal Distance From Source in Feet

Mounting Height in Feet		0'	5'	10'	12'	14'	16'	18'	20	25'	30'
0°	8'	18.17	21.86	9.74	6.62	4.80	3.50	2.62	1.96	1.08	.68
	10'	11.63	15.18	8.76	6.71	4.87	3.70	2.88	2.24	1.26	.78
	12'	8.08	10.34	7.24	6.08	4.90	3.74	2.94	2.38	1.41	.88
	14'	5.93	7.82	6.34	5.13	4.47	3.71	3.00	2.39	1.50	.97
	16'	4.54	5.63	5.46	4.62	3.85	3.42	2.89	2.43	1.52	1.02
	18'	3.59	4.39	4.72	4.08	3.49	2.96	2.70	2.35	1.53	1.06
90°	8'	18.17	16.06	5.59	3.92	2.78	1.91	1.40	.74	.31	.07
	10'	11.63	11.99	5.38	3.85	2.88	2.18	1.67	1.22	.47	.26
	12'	8.08	8.62	4.76	3.74	2.81	2.20	1.74	1.38	.75	.33
	14'	5.93	6.63	4.49	3.37	2.75	2.15	1.73	1.41	.86	.52
	16'	4.54	4.63	4.02	3.27	2.51	2.10	1.67	1.40	.90	.59
	18'	3.59	3.63	3.50	2.93	2.44	1.95	1.66	1.37	.90	.61

FC = (Candlepower) (COS Ø)
DISTANCE²

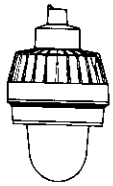
Test No. BALL 6685.0

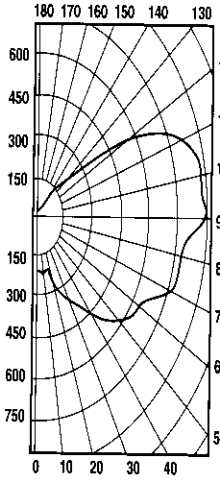
HUBBELL®
KILLARK®

EMH (MH) AND EMM (MV)
With Globe Only
50 – 100 Watt Medium Base

CANDLEPOWER – 100 WATT
B-17 clear lamp 8500 lumens

For 70 watt M.H. multiply by .647
For 50 watt M.H. multiply by .447
For 100 watt M.V. multiply by .518
For 75 watt M.V. multiply by .353
For 50 watt M.V. multiply by .129





ANGLE	CP	ANGLE	CP
.0	173.	95.0	847.
5.0	206.	100.0	846.
10.0	188.	105.0	832.
15.0	225.	110.0	750.
20.0	290.	115.0	641.
25.0	361.	120.0	440.
30.0	403.	125.0	88.
35.0	452.	130.0	14.
40.0	492.	135.0	5.
45.0	552.	140.0	2.
55.0	610.	145.0	1.
50.0	618.	150.0	0.
65.0	658.	155.0	0.
60.0	731.	160.0	0.
75.0	796.	165.0	0.
70.0	776.	170.0	0.
80.0	787.	175.0	0.
85.0	863.	180.0	0.
90.0	874.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.84	.84	.84	.84	.79	.79	.79	.79	.69	.69	.69	.60	.60	.60	.51	.51	.51	.47
1	.72	.67	.62	.57	.67	.62	.58	.53	.53	.50	.46	.45	.42	.40	.38	.35	.33	.30
2	.63	.55	.48	.42	.58	.51	.45	.39	.43	.38	.34	.36	.32	.29	.30	.27	.24	.20
3	.57	.47	.39	.33	.52	.43	.36	.31	.37	.31	.27	.31	.26	.22	.25	.21	.18	.15
4	.51	.41	.33	.27	.47	.38	.30	.25	.32	.26	.21	.26	.22	.18	.21	.18	.15	.12
5	.46	.35	.27	.22	.42	.32	.25	.20	.27	.22	.17	.23	.18	.14	.18	.14	.11	.09
6	.42	.31	.23	.18	.39	.29	.22	.17	.24	.18	.14	.20	.15	.12	.16	.12	.09	.07
7	.39	.28	.20	.15	.36	.25	.19	.14	.21	.16	.12	.18	.13	.10	.14	.11	.08	.05
8	.36	.25	.18	.13	.33	.23	.16	.12	.19	.14	.10	.16	.11	.08	.13	.09	.06	.04
9	.33	.22	.16	.11	.30	.21	.14	.10	.17	.12	.09	.14	.10	.07	.11	.08	.05	.03
10	.31	.20	.14	.10	.28	.19	.13	.09	.16	.11	.07	.13	.09	.06	.10	.07	.04	.03

Spacing Criterion – SC = 3.4

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 100 WATT METAL HALIDE
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	2.70	3.93	2.32	1.65	1.25	1.00	.76	.59	.35	.21
10'	1.73	2.58	1.95	1.60	1.21	.93	.75	.64	.38	.25
12'	1.20	1.66	1.55	1.35	1.17	.92	.73	.62	.41	.26
14'	.88	1.23	1.24	1.10	.99	.87	.72	.59	.39	.28
16'	.67	.80	.98	.90	.82	.76	.68	.58	.38	.27
18'	.53	.62	.83	.73	.70	.63	.60	.55	.38	.27

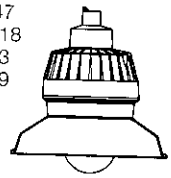
$$FC = \frac{(Candlepower)(COS\ \emptyset)}{DISTANCE^2}$$

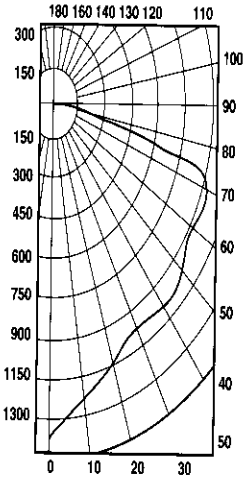
Test No. BALL 6689.0

EMH (MH) AND EMM (MV)
With Globe and Standard Dome Reflector
50 – 100 Watt Medium Base

CANDLEPOWER – 100 WATT
B-17 clear lamp 8500 lumens

For 70 watt M.H. multiply by .647
For 50 watt M.H. multiply by .447
For 100 watt M.V. multiply by .518
For 75 watt M.V. multiply by .353
For 50 watt M.V. multiply by .129





ANGLE	CP	ANGLE	CP
.0	1388.	95.0	2.
5.0	1323.	100.0	1.
10.0	1257.	105.0	0.
15.0	1225.	110.0	0.
20.0	1102.	115.0	0.
25.0	1032.	120.0	0.
30.0	1033.	125.0	0.
35.0	1037.	130.0	0.
40.0	1048.	135.0	0.
45.0	1075.	140.0	0.
50.0	1073.	145.0	0.
55.0	1006.	150.0	0.
60.0	982.	155.0	0.
65.0	999.	160.0	0.
70.0	992.	165.0	0.
75.0	792.	170.0	0.
80.0	210.	175.0	0.
85.0	48.	180.0	0.
90.0	7.		

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.73	.73	.73	.73	.71	.71	.71	.71	.68	.68	.68	.65	.65	.65	.63	.63	.63	.61
1	.66	.63	.60	.58	.65	.62	.59	.57	.59	.57	.55	.57	.55	.53	.54	.53	.52	.50
2	.59	.53	.49	.45	.57	.52	.48	.44	.50	.46	.43	.48	.45	.42	.46	.43	.41	.40
3	.53	.46	.40	.36	.52	.45	.40	.36	.43	.39	.35	.41	.37	.34	.40	.36	.34	.32
4	.48	.40	.34	.29	.47	.39	.34	.29	.38	.33	.29	.36	.32	.28	.35	.31	.28	.26
5	.43	.35	.28	.24	.42	.34	.28	.24	.32	.27	.23	.31	.27	.23	.30	.26	.23	.21
6	.40	.31	.24	.20	.38	.30	.24	.20	.29	.24	.20	.28	.23	.20	.27	.22	.19	.18
7	.36	.27	.21	.17	.35	.27	.21	.17	.26	.21	.17	.25	.20	.17	.24	.20	.17	.15
8	.33	.24	.18	.15	.32	.24	.18	.14	.23	.18	.14	.22	.18	.14	.21	.17	.14	.13
9	.31	.22	.16	.12	.30	.21	.16	.12	.20	.16	.12	.20	.15	.12	.19	.15	.12	.11
10	.28	.20	.14	.11	.28	.19	.14	.11	.19	.14	.11	.18	.14	.11	.17	.13	.11	.09

Spacing Criterion – SC = 1.1

Illumination on Horizontal Surface

FOOTCANDLE CHART (Initial) 100 WATT METAL HALIDE
Horizontal Distance From Source in Feet

Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
8'	21.69	9.85	4.09	2.68	1.87	1.39	1.04	.79	.42	.21
10'	13.88	7.38	3.80	2.81	1.97	1.49	1.12	.89	.51	.31
12'	9.64	6.09	3.30	2.64	2.05	1.68	1.19	.93	.56	.35
14'	7.08	4.69	2.85	2.34	1.94	1.56	1.25	.97	.58	.38
16'	5.42	4.08	2.46	2.07	1.74	1.48	1.23	1.02	.61	.40
18'	4.28	3.38	2.13	1.84	1.58	1.35	1.17	.99	.62	.41

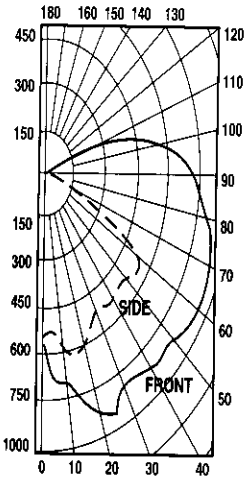
$$FC = \frac{(Candlepower)(COS\ \emptyset)}{DISTANCE^2}$$

Test No. BALL 6702.0

EMH (MH) AND EMM (MV)
With Globe and Angle Reflector
50 – 100 Watt Medium Base

CANDLEPOWER – 100 WATT
B-17 clear lamp 8500 lumens

For 70 watt M.H. multiply by .647
For 50 watt M.H. multiply by .447
For 100 watt M.V. multiply by .518
For 75 watt M.V. multiply by .353
For 50 watt M.V. multiply by .129



0° (FRONT) ANGLE	CP	90° (SIDE) ANGLE	CP
.0	741.	.0	741.
5.0	775.	5.0	692.
15.0	928.	15.0	744.
25.0	1099.	25.0	895.
35.0	1249.	35.0	776.
45.0	1239.	45.0	776.
55.0	1305.	55.0	764.
65.0	1258.	65.0	454.
75.0	1218.	75.0	70.
85.0	1262.	85.0	2.
90.0	1119.	90.0	0.
95.0	938.	95.0	0.
105.0	163.	105.0	0.
115.0	54.	115.0	0.
125.0	0.	125.0	0.
135.0	0.	135.0	0.
145.0	0.	145.0	0.
155.0	0.	155.0	0.
165.0	0.	165.0	0.
175.0	0.	175.0	0.
180.0	0.	180.0	0.

Coefficients of Utilization – Zonal Cavity Method

% Effective Ceiling Cavity Reflectance 1cc	80				70				50			30			10		0
% Wall Reflectance 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance																	
0	.61	.61	.61	.61	.59	.59	.59	.59	.55	.55	.55	.51	.51	.51	.48	.48	.48	.46
1	.54	.50	.47	.44	.51	.48	.46	.43	.45	.42	.40	.41	.40	.38	.38	.37	.35	.34
2	.48	.42	.38	.34	.46	.41	.37	.33	.38	.34	.31	.35	.32	.29	.32	.30	.28	.26
3	.43	.37	.32	.27	.41	.35	.31	.27	.33	.29	.25	.30	.27	.24	.28	.25	.23	.21
4	.39	.32	.27	.23	.37	.31	.26	.22	.29	.24	.21	.26	.23	.20	.24	.21	.19	.17
5	.36	.28	.23	.19	.34	.27	.22	.18	.25	.21	.17	.23	.19	.16	.21	.18	.16	.14
6	.33	.25	.20	.16	.31	.24	.19	.15	.22	.18	.15	.21	.17	.14	.19	.16	.13	.12
7	.30	.22	.17	.14	.28	.21	.17	.13	.20	.16	.13	.18	.15	.12	.17	.14	.11	.10
8	.28	.20	.15	.12	.26	.19	.15	.11	.18	.14	.11	.17	.13	.10	.15	.12	.10	.09
9	.25	.18	.13	.10	.24	.17	.13	.10	.16	.12	.09	.15	.11	.09	.14	.11	.08	.07
10	.24	.16	.12	.09	.23	.16	.11	.08	.15	.11	.08	.14	.10	.08	.13	.10	.07	.06

0-DEG / 90-DEG
Spacing Criterion – SC = 2.25 / 1.58

Illumination on Horizontal Surface

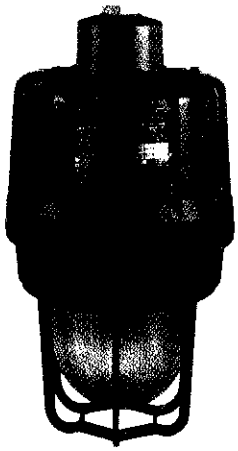
FOOTCANDLE CHART (Initial) 100 WATT METAL HALIDE
Horizontal Distance From Source in Feet

	Mounting Height in Feet	0'	5'	10'	12'	14'	16'	18'	20'	25'	30'
0°	8'	11.58	11.82	4.86	3.48	2.39	1.75	1.32	1.01	.55	.32
	10'	7.41	7.86	4.38	3.35	2.56	1.93	1.43	1.12	.64	.40
	12'	5.14	5.61	3.81	3.04	2.44	1.95	1.55	1.18	.71	.45
	14'	3.78	4.31	3.43	2.70	2.23	1.85	1.52	1.26	.74	.48
	16'	2.89	3.21	2.96	2.50	2.02	1.71	1.45	1.22	.80	.51
	18'	2.29	2.56	2.55	2.22	1.88	1.56	1.35	1.17	.80	.52
90°	8'	11.58	7.52	2.73	2.04	1.32	.62	.47	.16	.04	.02
	10'	7.41	6.40	2.74	1.88	1.50	1.12	.79	.40	.11	.04
	12'	5.14	4.54	2.38	1.90	1.37	1.13	.90	.65	.25	.07
	14'	3.78	3.47	2.13	1.69	1.40	1.03	.86	.73	.41	.17
	16'	2.89	2.57	1.88	1.55	1.26	1.07	.84	.68	.46	.28
	18'	2.29	2.05	1.62	1.40	1.17	.97	.85	.67	.47	.29

$$FC = \frac{(Candlepower)(COS\ \emptyset)}{DISTANCE^2}$$

Test No. BALL 6703.0

HUBBELL®
KILLARK®



Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X
Factory Sealed

UL Listed - File E10514 and E91793

CSP Certified - File LR11713

FEATURES-SPECIFICATIONS

HOSTILE*LITE*®

HOSTILE***LITE***® EZ fixtures are now available with Pulse Start Metal Halide ballasts. Pulse Start systems provide higher and better maintained light output with longer life compared standard metal halide systems. Pulse start and standard Metal Halide lamps and ballasts are not interchangeable.

Applications

HOSTILE***LITE***® EZ Series mogul base fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4x areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous due to the presence of flammable or explosive gases, vapors and combustible dusts as defined by the NEC.

Typical applications include classified areas such as paint manufacturing plants, ammunition facilities, oil and gas producing and refining plants, off-shore and dockside installations, tank farms, pipeline pumping stations and marine loading and fuel transfer terminals.

Features

- Four light sources—High Pressure Sodium (50-400W), Metal Halide (70-400W), Pulse Start Metal Halide (175-400W) and Mercury Vapor (100-400W)
- HOSTILE***LITE***® EZ fixtures are now available with Pulse Start Metal Halide ballasts
- Mounting choice—Pendant, ceiling, 25° stanchion or 90° wall mount, all with "wireless" design that allows fast, easy fixture installation or removal for maintenance. See pages L128-129 for trunnion mounted fixtures
- Factory sealed—No external seal needed. Simply wire mounting cap and thread on fixture to install
- Corrosion resistant—Copper-free aluminum die cast construction. Baked powder epoxy finish, electrostatically applied. Exposed hardware is 316 grade stainless steel
- Accessories—Available with or without guard, standard dome or angle reflector
- Options—EZ Series fixtures can be specified with instant restart for HPS lamps, auxiliary quartz circuit, ballast protector, and fuse kits. (See pages L94 and L56-57 for details)

Compliances

- UL-844 Electric Lighting Fixtures for use in Hazardous Locations
- UL Marine Type Electric Lighting Fixtures
- UL-1572 Standard for HID Lighting Fixtures
- CSA C22.2 no. 137-M1981 Electric Luminaires for use in Hazardous Locations
- CSA C22.2 no. 94-1976 Special purpose enclosure
- NEMA 3, 4, 4x, 7CD, 9EFG

Catalog Number Logic

EZ 0 00 0 00 0 - 00 (CEN*)

Series Constant

Lamp Type
S—High Pressure Sodium
H—Metal Halide
M—Mercury Vapor
P—Pulse Start Metal Halide

Lamp Wattage
05—50 Watt HPS
07—70 Watt HPS/MH
10—100 Watt HPS/MH/MV
15—150 Watt HPS/MH
17—175 Watt MH/MV/MHP
25—250 Watt HPS/MH/MV/MHP
32—320 Watt MHP
35—350 Watt MHP
40—400 Watt HPS/MH/MV/MHP

Voltage
0—Quadri-Volt, 60 Hz. (120, 208, 240, 277)
5—480 Volts, 60 Hz.
6—TriTap Canada (120, 277, 347), 60 Hz.
8—220/240 Volt, 50 Hz.
9—Special (Specify)

Options
Q—Auxiliary Quartz Standby
R—Instant Restrike (150W HPS Max)
BP—Ballast Protector
PS—Paint Spray (50, 70, 100W HPS, 100W MV, 70, 100, MH)

Guard
G—Omit G if guard is not required

Mounting Type
A2—3/4" Pendant
A3—1" Pendant
X2—3/4" Ceiling
X3—1" Ceiling
B2—3/4" Bracket
B3—1" Bracket
D4—1-1/4"/1-1/2" Stanchion

**CEN (CENELEC) Approved option available. See page L153 for more information.*

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KILLARK®

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Marine
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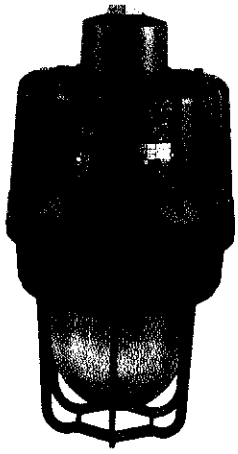
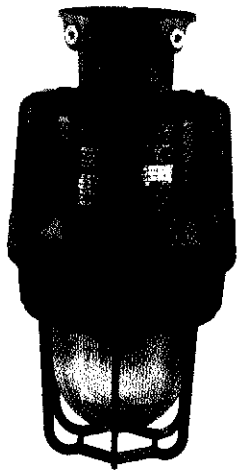
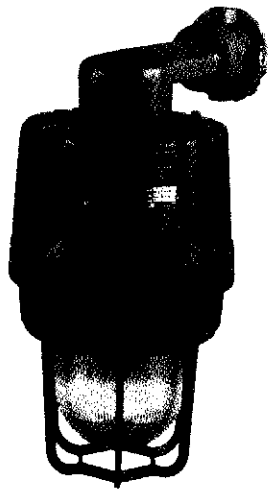
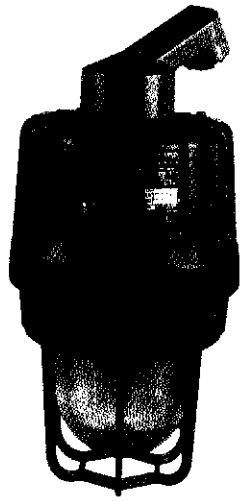
ORDERING INFORMATION


Pendant


Ceiling


Wall


Stanchion

EZ 50-400 WATT, HIGH PRESSURE SODIUM ①④

WATTS	ANSI LAMP	VOLTAGE @ 60Hz	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
50	S-68	120, 208, 240, 277	EZS050A2G	EZS050X2G	EZS050B2G	EZS050D4G
		120, 277, 347	—	—	—	—
		480	—	—	—	—
70	S-62	120, 208, 240, 277	EZS070A2G	EZS070X2G	EZS070B2G	EZS070D4G
		120, 277, 347	EZS076A2G	EZS076X2G	EZS076B2G	EZS076D4G
		480	EZS075A2G	EZS075X2G	EZS075B2G	EZS075D4G
100	S-54	120, 208, 240, 277	EZS100A2G	EZS100X2G	EZS100B2G	EZS100D4G
		120, 277, 347	EZS106A2G	EZS106X2G	EZS106B2G	EZS106D4G
		480	EZS105A2G	EZS105X2G	EZS105B2G	EZS105D4G
150	S-55	120, 208, 240, 277	EZS150A2G	EZS150X2G	EZS150B2G	EZS150D4G
		120, 277, 347	EZS156A2G	EZS156X2G	EZS156B2G	EZS156D4G
		480	EZS155A2G	EZS155X2G	EZS155B2G	EZS155D4G
250	S-50	120, 208, 240, 277	EZS250A2G	EZS250X2G	EZS250B2G	EZS250D4G
		120, 277, 347	EZS256A2G	EZS256X2G	EZS256B2G	EZS256D4G
		480	EZS255A2G	EZS255X2G	EZS255B2G	EZS255D4G
400	S-51	120, 208, 240, 277	EZS400A2G	EZS400X2G	EZS400B2G	EZS400D4G
		120, 277, 347	EZS406A2G	EZS406X2G	EZS406B2G	EZS406D4G
		480	EZS405A2G	EZS405X2G	EZS405B2G	EZS405D4G

① *See Hazardous Location Application Data on pages L98-99 for specific suitabilities.*
② *For 1 inch pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number; example: **EZS070A3G**.*
③ *Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (Refer to catalog logic).*
④ *Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
NOTE: Reflectors must be ordered separately (see page L96).
All luminaires are designed for mounting with lamp in base up position.

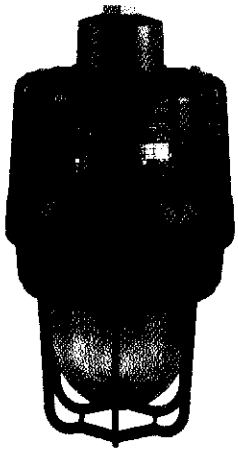
HUBBELL
KILLARK®

Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X
Factory Sealed

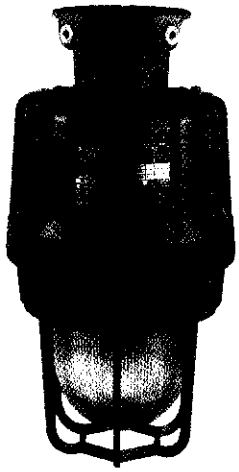
UL Listed - File E10514 and E91793 (Marine)

CSA Certified - File LR11713

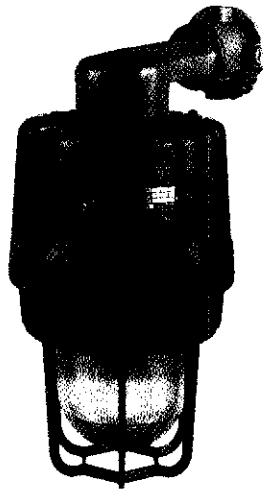
ORDERING INFORMATION



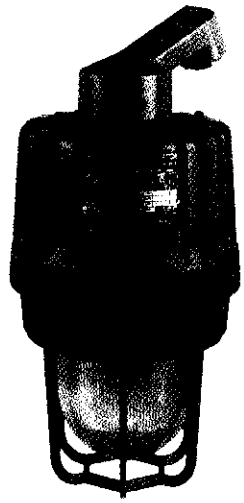
Pendant



Ceiling



Wall



Stanchion

EZ 70-400 WATT, METAL HALIDE ①④

WATTS	ANSI LAMP	VOLTAGE @ 60Hz	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
70	M-98	120, 208, 240, 277	EZH070A2G	EZH070X2G	EZH070B2G	EZH070D4G
		120, 277, 347	EZH076A2G	EZH076X2G	EZH076B2G	EZH076D4G
		480	EZH075A2G	EZH075X2G	EZH075B2G	EZH075D4G
100	M-90	120, 208, 240, 277	EZH100A2G	EZH100X2G	EZH100B2G	EZH100D4G
		120, 277, 347	EZH106A2G	EZH106X2G	EZH106B2G	EZH106D4G
		480	EZH105A2G	EZH105X2G	EZH105B2G	EZH105D4G
175	M-57⑤	120, 208, 240, 277	EZH170A2G	EZH170X2G	EZH170B2G	EZH170D4G
		120, 277, 347	EZH176A2G	EZH176X2G	EZH176B2G	EZH176D4G
		480	EZH175A2G	EZH175X2G	EZH175B2G	EZH175D4G
250	M-58	120, 208, 240, 277	EZH250A2G	EZH250X2G	EZH250B2G	EZH250D4G
		120, 277, 347	EZH256A2G	EZH256X2G	EZH256B2G	EZH256D4G
		480	EZH255A2G	EZH255X2G	EZH255B2G	EZH255D4G
400	M-59	120, 208, 240, 277	EZH400A2G	EZH400X2G	EZH400B2G	EZH400D4G
		120, 277, 347	EZH406A2G	EZH406X2G	EZH406B2G	EZH406D4G
		480	EZH405A2G	EZH405X2G	EZH405B2G	EZH405D4G

① *See Hazardous Location Application Data on pages L98-99 for specific suitabilities.*
② *For 1 inch pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number; example: **EZH070A3G**.*
③ *Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (Refer to catalog logic).*
④ *Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
⑤ *Will also operate 150W M107 Metal Halide Lamps.*
NOTE: Reflectors must be ordered separately (see page L96).
All luminaires are designed for mounting with lamp in base up position.

HUBBELL
KILLARK

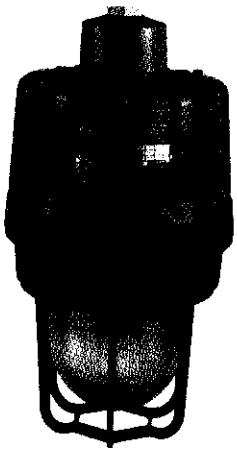
EZ SERIES • LIGHTING
PULSE START METAL HALIDE 175-400W MOGUL BASE HID

Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X
Factory Sealed

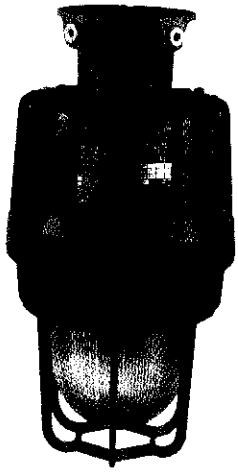
UL Listed - File E10514 and E91793 (Marine)

CSA Certified - File LR11713

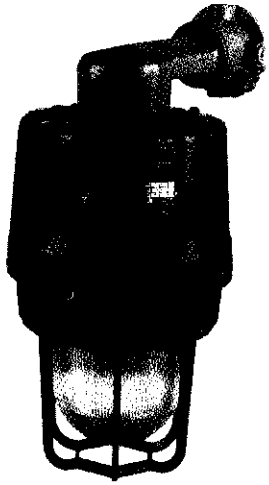
ORDERING INFORMATION



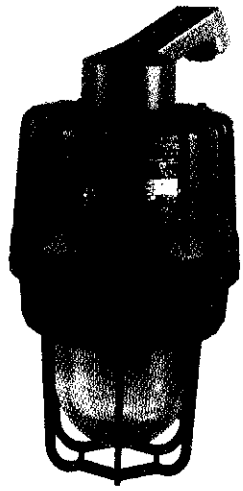
Pendant



Ceiling



Wall



Stanchion

EZ 175-400 WATT, PULSE START METAL HALIDE ①④

WATTS	ANSI LAMP	VOLTAGE @ 60Hz	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
175	M-137	120, 208, 240, 277	EZP170A2G	EZP170X2G	EZP170B2G	EZP170D4G
		120,277,347	EZP176A2G	EZP176X2G	EZP176B2G	EZP176D4G
		480	EZP175A2G	EZP175X2G	EZP175B2G	EZP175D4G
250	M-138	120, 208, 240, 277	EZP250A2G	EZP250X2G	EZP250B2G	EZP250D4G
		120,277,347	EZP256A2G	EZP256X2G	EZP256B2G	EZP256D4G
		480	EZP255A2G	EZP255X2G	EZP255B2G	EZP255D4G
320	M-132	120, 208, 240, 277	EZP320A2G	EZP320X2G	EZP320B2G	EZP320D4G
		120,277,347	EZP326A2G	EZP326X2G	EZP326B2G	EZP326D4G
		480	EZP325A2G	EZP325X2G	EZP325B2G	EZP325D4G
350	M-131	120, 208, 240, 277	EZP350A2G	EZP350X2G	EZP350B2G	EZP350D4G
		120,277,347	EZP356A2G	EZP356X2G	EZP356B2G	EZP356D4G
		480	EZP355A2G	EZP355X2G	EZP355B2G	EZP355D4G
400	M-135	120, 208, 240, 277	EZP400A2G	EZP400X2G	EZP400B2G	EZP400D4G
		120,277,347	EZP406A2G	EZP406X2G	EZP406B2G	EZP406D4G
		480	EZP405A2G	EZP405X2G	EZP405B2G	EZP405D4G

① *See Hazardous Location Application Data on pages L98-99 for specific suitabilities.*
② *For 1 inch pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number; example: **EZP170A3G**.*
③ *Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (Refer to catalog logic).*
④ *Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
NOTE: Reflectors must be ordered separately (see page L96).
All luminaires are designed for mounting with lamp in base up position.

HUBBELL
KILLARK®

Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X
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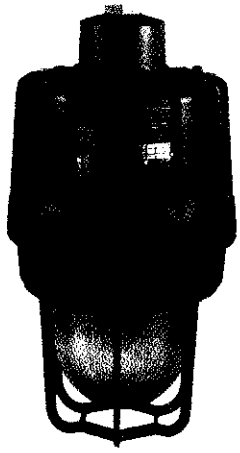
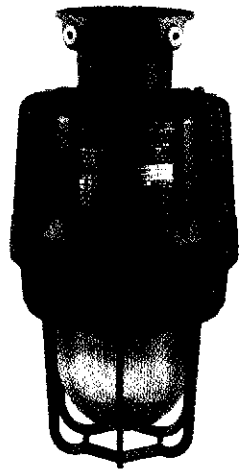
UL Listed - File E10514 and E91793 (Marine)

CSA Certified - File LR11713

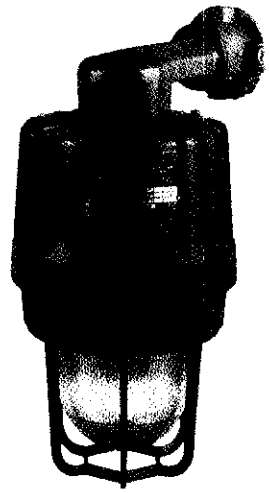
ORDERING INFORMATION



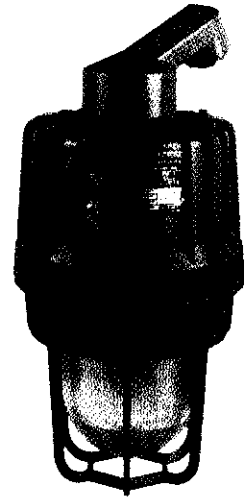
Pendant



Ceiling



Wall



Stanchion

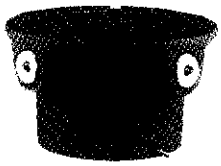
EZ 175-400 WATT, MERCURY VAPOR①④

WATTS	ANSI LAMP	VOLTAGE @ 60Hz	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
100	H-38	120, 208, 240, 277	EZM100A2G	EZM100X2G	EZM100B2G	EZM100D4G
		120, 277, 347	EZM106A2G	EZM106X2G	EZM106B2G	EZM106D4G
		480	EZM105A2G	EZM105X2G	EZM105B2G	EZM105D4G
175	H-39	120, 208, 240, 277	EZM170A2G	EZM170X2G	EZM170B2G	EZM170D4G
		120, 277, 347	EZM176A2G	EZM176X2G	EZM176B2G	EZM176D4G
		480	EZM175A2G	EZM175X2G	EZM175B2G	EZM175D4G
250	H-37	120, 208, 240, 277	EZM250A2G	EZM250X2G	EZM250B2G	EZM250D4G
		120, 277, 347	EZM256A2G	EZM256X2G	EZM256B2G	EZM256D4G
		480	EZM255A2G	EZM255X2G	EZM255B2G	EZM255D4G
400	H-33	120, 208, 240, 277	EZM400A2G	EZM400X2G	EZM400B2G	EZM400D4G
		120, 277, 347	EZM406A2G	EZM406X2G	EZM406B2G	EZM406D4G
		480	EZM405A2G	EZM405X2G	EZM405B2G	EZM405D4G

① *See Hazardous Location Application Data on pages L98-99 for specific suitabilities.*
② *For 1 inch pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number. Example: **EZM070A3G**.*
③ *Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (Refer to catalog logic).*
④ *Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
NOTE: Reflectors must be ordered separately (see page L96).
All luminaires are designed for mounting with lamp in base up position.

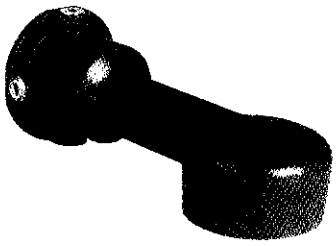
Mounting Boxes

Pendant



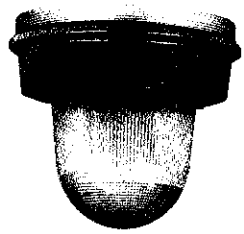
Ceiling

EAC①



Wall Bracket

25° Stanchion



Replacement Globe
& Support Assemblies

MOUNTING BOXES				
HUB SIZE	CATALOG NUMBER			
	PENDANT	CEILING	BRACKET	STANCHION
3/4"	EZA2	EZX2	EZB2	—
1"	EZA3	EZX3	EZB3	—
1-1/4"/1-1/2"	—	—	—	EZD4*

** Supplied as 1-1/2" NPT with 1-1/2" x 1-1/4" reducer*

REPLACEMENT GLOBE & GLOBE SUPPORT ASSEMBLY			
SERIES	LAMP TYPE	WATTAGE	CATALOG NUMBER
EZS	HPS	50-150	EZGS1
EZH	MH	70-250	
EZP	MHP	175, 250	
EZM	MV	100-250	
EZS	HPS	250, 400	EZGS2
EZH	MH	400	
EZP	MHP	320-400	
EZM	MV	400	

EZ Options

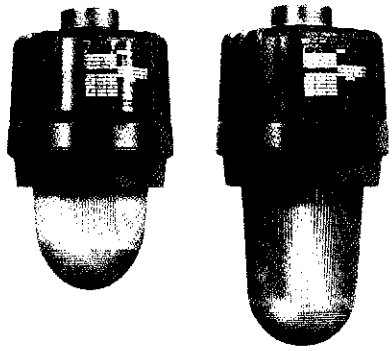
Instant Restart Option
Factory installed special ignitor provides hot lamp instant restart of HPS lamps after power interruption of up to 1 minute. Available for 50, 70, 100 and 150 watt HPS lamps only. Add suffix "**R**" to fixture catalog number (50/60 Hz).

Quartz Emergency Lamp
Factory installed special auxiliary quartz relay and D.C. bayonet base socket installed to accept 100 watt, 120 volt quartz (100Q/DC) lamps only. Lamps not supplied. Refer to Hazardous Location Application Data chart to verify suitability. Add suffix "**Q**" to fixture catalog number.

Ballast Protection Cutout
Optional factory installed special ballast protector replaces the standard HPS ignitor and applies starting pulse to the lamp for 10 to 15 seconds each time voltage is supplied to the ballast. If the lamp has not ignited by the end of the time period, the starter will cease pulsing. Used to eliminate the continuous high voltage pulsing of the ignitor when end of life, lamp cycling, or missing lamp conditions exist. Available for 70, 100, 150, 250 and 400 watt HPS fixtures. Add suffix "**BP**" to fixture catalog number.

Notes:
BP & R cannot be used together.
Q & R cannot be used together.

① *Adapters for discontinued Killark "H" Series & Crouse-Hinds®.*
See page L148 for more information.



Housing Globe & Globe Support Assemblies

NOTE: See pages L56-57 for ballast data & fuse kit information.

HPS HOUSING GLOBE & GLOBE SUPPORT ASSEMBLIES①

WATTS	ANSI LAMP TYPE	VOLTAGE	CATALOG NUMBER
50	S-68/HPS	120, 208, 240, 277/60Hz	EZS050
		220, 240V/50Hz	EZS058
70	S-62/HPS	120, 208, 240, 277/60Hz	EZS070
		480 60Hz	EZS075
		120, 277, 347/60Hz	EZS076
		220, 240V/50Hz	EZS078
100	S-54/HPS	120, 208, 240, 277/60Hz	EZS100
		480 60Hz	EZS105
		120, 277, 347/60Hz	EZS106
		220, 240V/50Hz	EZS108
150	S-55/HPS	120, 208, 240, 277/60Hz	EZS150
		480 60Hz	EZS155
		120, 277, 347/60Hz	EZS156
		220, 240V/50Hz	EZS158
250	S-50/HPS	120, 208, 240, 277/60Hz	EZS250
		480 60Hz	EZS255
		120, 277, 347/60Hz	EZS256
		220, 240V/50Hz	EZS258
400	S-51/HPS	120, 208, 240, 277/60Hz	EZS400
		480 60Hz	EZS405
		120, 277, 347/60Hz	EZS406
		220, 240V/50Hz	EZS408

MERCURY VAPOR HOUSING GLOBE & GLOBE SUPPORT ASSEMBLIES①

100	H-38/MV	120, 208, 240, 277/60Hz	EZM100
		480V/60Hz	EZM105
		120, 277, 347/60Hz	EZM106
		220, 240V/50 Hz	EZM108
175	H-39/MV	120, 208, 240, 277/60Hz	EZM170
		480 60Hz	EZM175
		120, 277, 347/60Hz	EZM176
		220, 240V/50Hz	EZM178
250	H-37/MV	120, 208, 240, 277/60Hz	EZM250
		480V/60Hz	EZM255
		120, 277, 347/60Hz	EZM256
		220, 240V/50Hz	EZM258
400	H-33/MV	120, 208, 240, 277/60Hz	EZM400
		480 60Hz	EZM405
		120, 277, 347/60Hz	EZM406
		220, 240V/50Hz	EZM408

① Assemblies may be ordered with the CEN (CENELEC) suffix; see page L153 for more information.

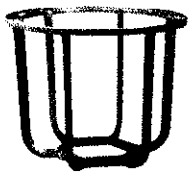
② Will also operate 150W M107 Metal Halide Lamps.

METAL HALIDE HOUSING GLOBE & GLOBE SUPPORT ASSEMBLIES①

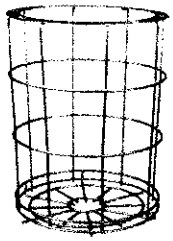
WATTS	ANSI LAMP TYPE	VOLTAGE	CATALOG NUMBER
70	M-98/MH	120, 208, 240, 277/60Hz	EZH070
		120, 277, 347V/60Hz	EZH076
		480 60Hz	EZH075
		220/240V/50Hz	EZH078
100	M-90/MH	120, 208, 240, 277/60Hz	EZH100
		120, 347V/60Hz	EZH106
		120, 220, 240V/50Hz	EZH108
		480 60Hz	EZH105
175	M-57/MH②	120, 208, 240, 277/60Hz	EZH170
		480 60Hz	EZH175
		120, 277, 347V/60Hz	EZH176
		220, 240V/50Hz	EZH178
250	M-58/MH	120, 208, 240, 277/60Hz	EZH250
		480 60Hz	EZH255
		120, 277, 347V/60Hz	EZH256
		220, 240V/50Hz	EZH258
400	M-59/MH	120, 208, 240, 277/60Hz	EZH400
		480 60Hz	EZH405
		120, 277, 347V/60Hz	EZH406
		220, 240V/50Hz	EZH408

PULSE START HOUSING GLOBE & GLOBE SUPPORT ASSEMBLIES①

WATTS	ANSI LAMP TYPE	VOLTAGE	CATALOG NUMBER
175	M137/MHP	120, 208, 240, 277/60Hz	EZP170
		480	EZP175
		120, 277, 347V/60Hz	EZP176
		220, 240V/50 Hz	EZP178
250	M138/MHP	120, 208, 240, 277/60Hz	EZP250
		480	EZP255
		120, 277, 347V/60Hz	EZP256
		220, 240V/50Hz	EZP258
320	M132/MHP	120, 208, 240, 277/60Hz	EZP320
		480	EZP325
		120, 277, 347V/60Hz	EZP326
		220, 240V/50Hz	EZP328
350	M131/MHP	120, 208, 240, 277/60Hz	EZP350
		480	EZP355
		120, 277, 347V/60Hz	EZP356
		220, 240V/50Hz	EZP358
400	M135/MHP	120, 208, 240, 277/60Hz	EZP400
		480	EZP405
		120, 277, 347V/60Hz	EZP406
		220, 240V/50Hz	EZP408

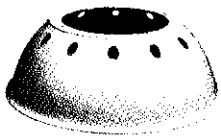


EZG1



VMAG-40

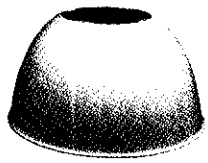
GUARDS				
CATALOG NUMBER	SERIES	LAMP TYPE	WATTAGE	DESCRIPTION
EZG1	EZS EZH EZP EZM	HPS MH MHP MV	50-150 70-250 175, 250 100-250	Painted cast aluminum
VMAG-40	EZS EZH EZP EZM	HPS MH MHP MV	250, 400 400 320-400 400	Cadmium plated steel



VMPSD-40

EZTB

VMPA-40



HRD-400 (pictured)
HRD-400ALZ

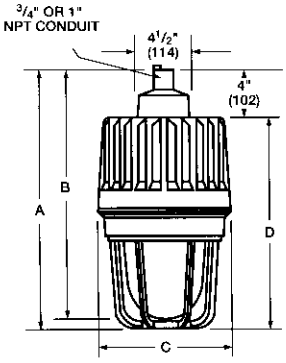
EZCB

EZMO

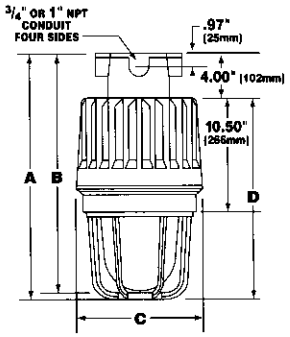
REFLECTORS	
CATALOG NUMBER	DESCRIPTION
VMPSD-40	Standard dome. Polyester reinforced fiberglass
VMPA-40	Angle Polyester reinforced fiberglass
HRD-400	Deep dome. Aluminum with white finish
HRD-400ALZ	Deep dome with Alzak finish (tm Alcoa)

REPLACEMENT CONNECTION BLOCKS AND LAMP SOCKET	
CATALOG NUMBER	DESCRIPTION
EZTB	Female (goes in splice box)
EZCB	Male (goes in top of fixture body)
EZMO	Replacement lamp socket

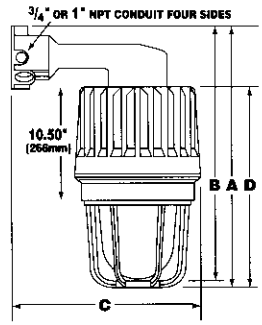
Pendant



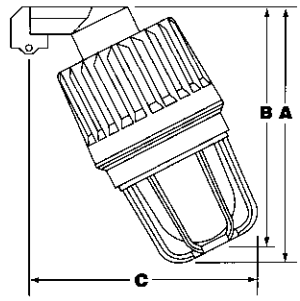
Ceiling

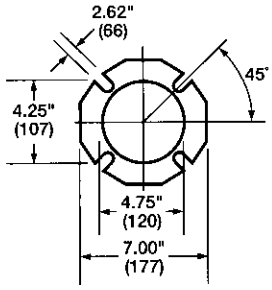


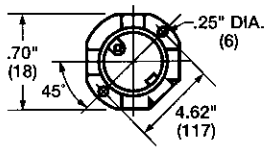
Wall Bracket

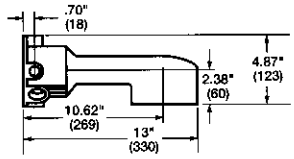


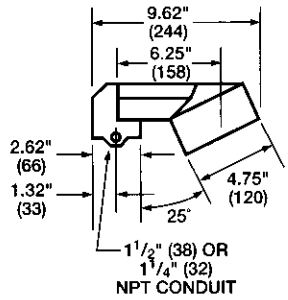
25° Stanchion









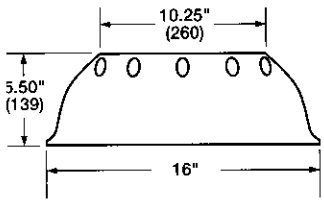


MOUNTING DIMENSIONS															
	PENDANT				CEILING				BRACKET				STANCHION		
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C
50-250W*	22" (558)	21-1/4" (539)	11-1/4" (285)	18" (457)	22" (558)	21-1/4" (539)	11-1/4" (285)	18" (457)	22-7/8" (580)	22-1/8" (561)	16-3/4" (425)	18" (457)	24-7/8" (631)	24" (609)	19-13/16" (503)
250-400W**	26-1/4" (666)	24-1/4" (615)	11-1/4" (285)	22-1/4" (565)	26-1/4" (666)	24-1/4" (615)	11-1/4" (285)	22-1/4" (565)	26-7/8" (682)	24-7/8" (631)	16-3/4" (425)	22-1/4" (565)	28-1/2" (724)	26-11/16" (678)	21-1/2" (546)

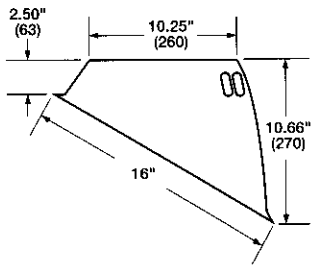
** 50, 70, 100, and 150W HPS; 70, 100, 175 and 250W MH; 100, 175, 250W MV; 175, 250W MHP.*
*** 250 and 400W HPS, 400W MH and MV; 320, 350, 400W MHP.*

Reflector Dimensions

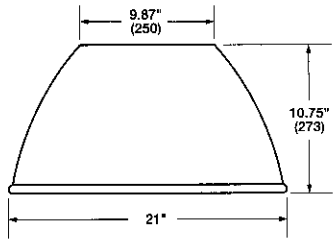
Standard Dome



Angle



Deep Dome



HUBBELL®
KILLARK®

EZ HAZARDOUS LOCATION DATA—CLASS I, DIVISIONS 1 & 2①②④

LAMP			RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS I, DIVISIONS 1 & 2 MAXIMUM SURFACE TEMPERATURE UL/CSA		
SERIES	TYPE	WATTS			TEMP. I.D. W/O QTZ.	TEMP. I.D. W/QTZ.③	UL/CSA GROUPS
EZS	HPS	50	40	85	T4A	T4	C,D
			55	85	T4A	N/A	C,D
			65	85	T4A	N/A	C,D
		70	40	85	T4A	T4	C,D
			55	85	T4A	N/A	C,D
			65	85	T4A	N/A	C,D
		100	40	85	T4A	T4	C,D
			55	85	T4A	N/A	C,D
			65	85	T4A	N/A	C,D
		150	40	85	T4A	T4	C,D
			55	85	T4A	N/A	C,D
			65	85	T4	N/A	C,D
		250	40	85	T3C	T3C	C,D
			55	85	T3C	N/A	C,D
		400	40	85	T3C	T3C	C,D
EZH	MH	70	40	85	T4A	N/A	C,D
			55	85	T4A	N/A	C,D
			65	85	T4A	N/A	C,D
		100	40	85	T4A	N/A	C,D
			55	85	T4A	N/A	C,D
			65	85	T4A	N/A	C,D
		150	40	85	T4A	N/A	C,D
			55	85	T4A	N/A	C,D
		175	40	85	T4	T3C	C,D
			55	85	T4	N/A	C,D
		250	40	85	T3C	T3C	C,D
			55	85	T3C	N/A	C,D
		400	40	85	T3A	T3A	C,D
EZP	MHP	175	40	85	T4	T3C	C,D
			55	85	T4	N/A	C,D
		250	40	85	T3C	T3C	C,D
			55	25	T3C	N/A	C,D
		320	40	85	T3A	T3A	C,D
		350	40	85	T3A	T3A	C,D
		400	40	85	T3A	T3A	C,D
EZM	MV	100	40	85	T4	T3C	C,D
			55	85	T4	N/A	C,D
		175	40	85	T4	T3C	C,D
			55	85	T4	N/A	C,D
		250	40	85	T3C	T3C	C,D
		400	40	85	T3A	T3A	C,D

TABLE N.E.C. 500-5 (d)

I.D. NUMBER	MAXIMUM TEMPERATURE	
	DEGREES C	DEGREES F
T1	450	842
T2	300	572
T2A	280	536
T2B	260	500
T2C	230	446
T2D	215	419
T3	200	392
T3A	180	356
T3B	165	329
T3C	160	320
T4	135	275
T4A	120	248
T5	100	212
T6	85	185

Notes for Class I, II, III Application Data Tables.

①Instant restrike limited to 55°C ambient maximum.

**②Temperature code ID marked with an asterisk on Class II table are listed for simultaneous use in Class I, Groups C, D, and Class II, Groups E, F, G or Groups E, F.*

③Fixtures marked "N/A" not suitable for Class I applications when supplied with auxiliary quartz.

④See Class II table for fixtures suitable for locations having deposits of readily combustible paint residue (paint spray booths).

Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.

See page L99 for Class II, III tables.

EZ HAZARDOUS LOCATION DATA①-CLASS II & III, DIVISIONS 1 & 2①②

LAMP			RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR C°	CLASS II, DIV. 1 & 2, MAX. SURFACE TEMP. UL/CSA SUITABILITY				CLASS III, DIV. 1 & 2 UL/CSA SUITABILITY		UL-595 MARINE	U.L. PAINT SPRAY SUITABILITY④	UL/CSA TYPE 3 (RAINTIGHT)	UL/CSA TYPE 4 (HOSEDOWN)
SERIES	TYPE	WATTS			TEMP. I.D. W/O QTZ.	TEMP. I.D. W/O QTZ.③	GROUPS W/O QTZ.	GROUPS W/O QTZ.③	W/O QTZ.	W/QTZ.③				
EZS	HPS	50	40	85	T3C*	T3B*	E,F,G	E,F,G	YES	YES	YES	YES	YES	YES
			55	85	T3C*	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
			65	85	T3B*	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
EZS	HPS	70	40	85	T3C*	T3B*	E,F,G	E,F,G	YES	NO	YES	YES	YES	YES
			55	85	T3C*	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
			65	85	T3B*	N/A	E,F,G	N/A	YES	YES	YES	NO	YES	YES
EZS	HPS	100	40	85	T3C*	T3B*	E,F,G	E,F,G	YES	NO	YES	YES	YES	YES
			55	85	T3C*	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
			65	85	T3B	N/A	E,F,G	N/A	YES	YES	YES	NO	YES	YES
EZS	HPS	150	40	85	T3C*	T3B*	E,F,G	E,F,G	YES	YES	YES	NO	YES	YES
			55	85	T3C*	N/A	E,F,G	N/A	YES	YES	YES	NO	YES	YES
			65	85	T3B*	N/A	E,F,G	N/A	YES	YES	YES	NO	YES	YES
EZS	HPS	250	40	85	T3	T3	E,F	E,F	NO	NO	YES	NO	YES	YES
EZS	HPS	400	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EZH	MH	70	40	85	T4A	N/A	E,F,G	N/A	YES	NO	YES	YES	YES	YES
			55	85	T4	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
			65	85	T3C	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
EZH	MH	100	40	85	T4A	N/A	E,F,G	N/A	YES	NO	YES	YES	YES	YES
			55	85	T4	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
			65	85	T3C	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
EZH	MH	150	40	85	T4	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
			55	85	T3C	N/A	E,F,G	EF	YES	NO	YES	NO	YES	YES
EZH	MH	175	40	85	T3C*	T3A*	E,F,G	N/A	YES	NO	YES	NO	YES	YES
			55	85	T3C*	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
EZH	MH	250	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EZH	MH	400	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EZP	MHP	175	40	85	T3C*	T3A*	E,F,G	EF	YES	NO	YES	NO	YES	YES
			55	85	T3C*	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
EZP	MHP	250	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EZP	MHP	320, 350	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EZP	MHP	400	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EZM	MV	100	40	85	T3C*	T3A*	E,F,G	EF	YES	NO	YES	YES	YES	YES
			55	85	T3C*	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
EZM	MV	175	40	85	T3C	T3A*	E,F,G	EF	YES	NO	YES	NO	YES	YES
			55	85	T3C	N/A	E,F,G	N/A	YES	NO	YES	NO	YES	YES
EZM	MV	250	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES
EZM	MV	400	40	85	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES

Notes for Class I, II, III Application Data Tables.

①Instant restrike limited to 55°C ambient maximum.

**②Temperature code ID marked with an asterisk on Class II table are listed for simultaneous use in Class I, Groups C, D, and Class II, Groups E, F, G or Groups E, F.*

③Fixtures marked "NO" or "N/A" are not suitable for Class II or III applications when supplied with auxiliary quartz.

④Suitability for locations having deposits of readily combustible paint residue (paint spray booths).

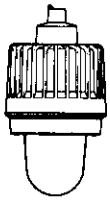
Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.

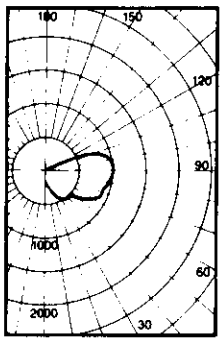
See page L98 for Class I data.

HIGH PRESSURE SODIUM
With Globe Only
50 – 150 Watt Mogul Base

CANDLEPOWER – 100 WATT
E-23½ clear lamp
9500 lumens

For 50 watt multiply by .42
For 70 watt multiply by .67
For 150 watt multiply by 1.68





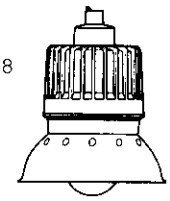
ANGLE	CP	ANGLE	CP
0	164.	90.0	1012.
5.0	197	95.0	1012.
10.0	236.	100.0	983.
15.0	319.	105.0	921.
20.0	395.	110.0	732.
25.0	451.	115.0	408.
30.0	499.	120.0	106.
35.0	523.	125.0	14.
40.0	526.	130.0	3.
45.0	527.	135.0	1.
50.0	623.	140.0	0.
55.0	732.	145.0	0.
60.0	836.	150.0	0.
65.0	908.	155.0	0.
70.0	928.	160.0	0.
75.0	948.	165.0	0.
80.0	988.	170.0	0.
85.0	1004.	175.0	0.
		180.0	0.

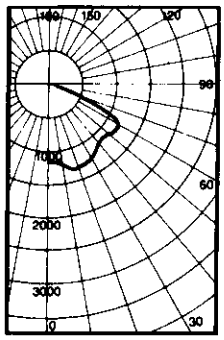
Efficiency 75.7%

HIGH PRESSURE SODIUM
With Globe and Standard Dome Reflector
50 – 150 Watt Mogul Base

CANDLEPOWER – 100 WATT
E-23½ clear lamp
9500 lumens

For 50 watt multiply by .42
For 70 watt multiply by .67
For 150 watt multiply by 1.68





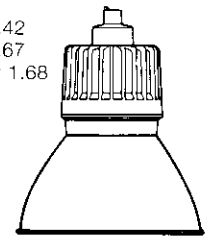
ANGLE	CP	ANGLE	CP
0	1199.	90.0	13.
5.0	1214.	95.0	48.
10.0	1268.	100.0	96.
15.0	1345.	105.0	84.
20.0	1363.	110.0	29.
25.0	1354.	115.0	1.
30.0	1320.	120.0	0.
35.0	1266.	125.0	0.
40.0	1201.	130.0	0.
45.0	1151.	135.0	0.
50.0	1198.	140.0	0.
55.0	1227.	145.0	0.
60.0	1243.	150.0	0.
65.0	949.	155.0	0.
70.0	486.	160.0	0.
75.0	243.	165.0	0.
80.0	136.	170.0	0.
85.0	51.	175.0	0.
		180.0	0.

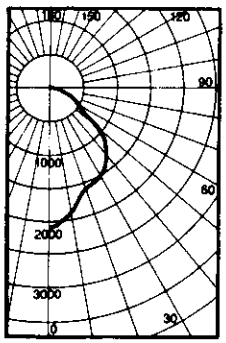
Efficiency 55.9%

HIGH PRESSURE SODIUM
With Globe and Deep Dome HRD-400 Reflector
50 – 150 Watt Mogul Base

CANDLEPOWER – 100 WATT
E-23½ clear lamp
9500 lumens

For 50 watt multiply by .42
For 70 watt multiply by .67
For 150 watt multiply by 1.68





ANGLE	CP
0	2177.
5.0	2114.
10.0	1974.
15.0	1801.
20.0	1658.
25.0	1619.
30.0	1593.
35.0	1499.
40.0	1348.
45.0	1221.
50.0	937.
55.0	601.
60.0	453.
65.0	343.
70.0	246.
75.0	157.
80.0	83.
85.0	24.
90.0	0

Efficiency 46.8%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	84	84	84	84	79	79	79	79	70	70	70	61	61	61	53	53	53	50
1	71	66	61	56	66	61	57	52	53	49	46	46	43	40	39	36	34	31
2	63	54	47	41	58	50	44	38	43	38	34	37	33	29	31	27	25	21
3	56	46	38	32	51	42	35	30	38	30	26	30	26	22	25	22	18	15
4	50	40	32	26	46	37	30	24	31	25	21	26	22	18	22	18	15	12
5	46	34	27	21	42	32	25	19	27	21	17	23	18	14	19	15	12	09
6	42	30	23	17	38	28	21	16	24	18	14	20	15	12	17	12	09	07
7	38	27	19	14	35	25	18	13	21	15	11	18	13	09	15	11	08	06
8	35	24	17	12	32	22	16	11	19	14	10	16	11	08	13	09	06	05
9	33	22	15	10	30	20	14	10	17	12	08	15	10	07	12	08	05	04
10	30	20	13	09	28	18	12	08	16	11	07	13	09	06	11	07	05	03

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 3.7
SPACING CRITERION — SC = 3.6

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	66	66	66	66	64	64	64	64	61	61	61	58	58	58	56	56	56	54
1	61	58	56	54	59	57	55	53	54	52	51	52	50	49	49	48	47	46
2	55	51	47	44	54	50	46	43	47	45	42	46	43	41	44	42	40	39
3	50	44	40	36	49	43	39	36	42	38	35	40	37	34	38	36	34	32
4	46	39	34	31	45	38	34	30	37	33	30	35	32	29	34	31	29	27
5	42	34	29	26	40	34	29	25	32	28	25	31	27	24	30	27	24	23
6	38	30	25	22	37	30	25	21	29	24	21	27	24	21	26	23	20	19
7	35	27	22	18	34	26	21	18	25	21	18	24	20	17	23	20	17	16
8	32	24	19	16	31	24	19	16	23	18	15	22	18	15	21	18	15	14
9	30	22	17	14	29	21	17	14	21	16	13	20	16	13	19	16	13	12
10	27	20	15	12	27	19	15	12	19	15	12	18	14	12	17	14	11	10

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.6
SPACING CRITERION — SC = 1.6

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	56	56	56	56	54	54	54	54	52	52	52	50	50	50	48	48	48	47
1	52	50	49	47	51	49	48	46	47	46	45	45	44	44	44	43	42	41
2	48	45	43	40	47	44	42	40	43	41	39	41	40	38	40	39	37	36
3	45	41	37	35	44	40	37	35	39	36	34	37	35	33	36	35	33	32
4	42	37	33	31	41	36	33	31	35	32	30	34	32	30	33	31	29	29
5	39	33	30	27	38	33	29	27	32	29	27	31	28	26	30	28	26	25
6	36	30	26	24	35	30	26	24	29	26	24	28	25	23	27	25	23	22
7	33	27	24	21	32	27	23	21	26	23	21	25	23	20	25	22	20	20
8	31	25	21	19	30	24	21	18	24	21	18	23	20	18	23	20	18	17
9	28	23	19	16	28	22	19	16	22	19	16	21	18	16	21	18	16	15
10	26	21	17	15	26	20	17	15	20	17	15	19	16	14	19	16	14	14

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.1
SPACING CRITERION — SC = 1.1

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 100 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	1.84	3.23	1.86	1.25	.81	.46	.29	.20	.14	.10
12'	1.28	2.46	1.66	1.05	.79	.51	.33	.22	.16	.11
14'	.94	1.66	1.44	1.01	.70	.50	.35	.24	.17	.13
16'	.72	1.34	1.19	.80	.59	.51	.34	.25	.19	.14
18'	.57	.88	1.03	.74	.58	.45	.35	.27	.19	.15
20'	.46	.73	.81	.67	.47	.38	.31	.26	.20	.15
25'	.29	.35	.51	.50	.40	.30	.26	.23	.20	.15
30'	.20	.25	.38	.40	.34	.27	.21	.19	.18	.14

$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$

Test No. LSI-9182

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 100 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	12.00	9.69	4.07	2.09	.85	.24	.15	.05	.03	.01
12'	8.33	7.40	3.78	2.03	1.18	.53	.17	.11	.04	.03
14'	6.12	5.81	3.49	1.87	1.18	.74	.37	.12	.09	.03
16'	4.68	4.57	3.14	1.75	1.14	.76	.51	.27	.09	.07
18'	3.70	3.71	2.72	1.66	1.11	.76	.52	.28	.20	.07
20'	3.00	3.07	2.42	1.54	1.02	.73	.52	.38	.21	.16
25'	1.92	1.91	1.75	1.33	.92	.65	.50	.39	.30	.23
30'	1.33	1.35	1.29	1.06	.81	.61	.45	.37	.29	.23

$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$

Test No. LSI-9228

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 100 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	21.77	11.51	4.32	1.03	.31	.13	.06	.03	.02	.01
12'	15.12	8.93	4.24	1.59	.43	.19	.09	.04	.03	.02
14'	11.11	7.07	4.12	1.80	.58	.27	.13	.06	.05	.03
16'	8.50	5.81	3.70	1.85	.89	.32	.16	.10	.05	.04
18'	6.72	4.97	3.28	1.89	.87	.37	.19	.12	.07	.04
20'	5.44	4.11	2.90	1.83	1.08	.57	.26	.14	.09	.06
25'	3.48	2.66	2.09	1.61	1.03	.69	.39	.19	.11	.08
30'	2.42	2.11	1.62	1.26	.96	.68	.48	.29	.18	.11

$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$

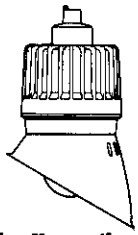
Test No. LSI-9230

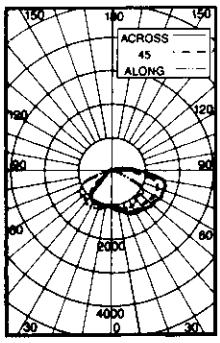
HUBBELL®
KILLARK®

HIGH PRESSURE SODIUM
With Globe and Angle Reflector
50 – 150 Watt Mogul Base

CANDLEPOWER – 100 WATT
E-23½ clear lamp
9500 lumens

For 50 watt multiply by .42
For 70 watt multiply by .67
For 150 watt multiply by 1.68





ANGLE	90	45	0
0	1089.	1089.	1089.
5.0	1089.	1128.	1146.
15.0	1207.	1265.	1281.
25.0	1268.	1392.	1421.
35.0	1252.	1464.	1500.
45.0	1104.	1439.	1562.
55.0	1166.	1511.	1638.
65.0	516.	1530.	1722.
75.0	178.	1415.	1649.
85.0	19.	578.	1135.
90.0	0.	310.	803.
95.0	0.	196.	435.
105.0	0.	51.	146.
115.0	0.	0.	30.
125.0	0.	0.	0.
135.0	0.	0.	0.
145.0	0.	0.	0.
155.0	0.	0.	0.
165.0	0.	0.	0.
175.0	0.	0.	0.
180.0	0.	0.	0.

Efficiency 57.4%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50			30			10			0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	68	68	68	68	66	66	66	66	62	62	62	59	59	59	56	56	56	55
1	60	57	54	51	58	56	53	50	52	50	48	50	48	46	47	46	44	43
2	54	49	45	41	53	48	44	40	45	42	39	43	40	37	41	38	36	35
3	49	42	37	33	47	41	36	33	39	35	32	37	34	31	35	32	30	28
4	45	38	32	28	43	37	32	28	35	30	27	33	29	26	31	28	26	24
5	41	33	28	23	40	32	27	23	31	26	23	29	25	22	28	25	22	20
6	38	29	24	20	36	29	24	20	27	23	19	26	22	19	25	21	19	17
7	34	26	21	17	33	26	20	17	24	20	17	23	19	16	22	19	16	15
8	32	24	18	15	31	23	18	15	22	18	14	21	17	14	20	17	14	13
9	29	21	16	13	28	21	16	13	20	16	13	19	15	12	18	15	12	11
10	27	19	14	11	26	19	14	11	18	14	11	17	13	11	17	13	11	10

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 2.0
SPACING CRITERION (Along) — SC = 1.6
SPACING CRITERION (Across) — SC = 2.0

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial)
100 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE (Front) IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'
10'	10.89	10.17	5.52	2.80	1.54	.86	.53
12'	7.56	7.76	4.83	2.78	1.64	.97	.60
14'	5.56	5.82	4.12	2.53	1.58	1.03	.66
16'	4.25	4.35	3.52	2.37	1.56	1.00	.71
18'	3.36	3.54	3.05	2.15	1.52	1.01	.73
20'	2.72	2.82	2.54	1.92	1.38	1.00	.70
25'	1.74	1.80	1.75	1.48	1.17	.88	.69

FOOTCANDLE CHART (Initial)
100 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE (Side) IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'
10'	10.89	9.07	3.90	1.99	.46	.14	.09
12'	7.56	6.77	3.99	1.95	.93	.29	.10
14'	5.56	5.28	3.44	1.79	1.12	.56	.20
16'	4.25	4.10	3.08	1.87	1.10	.71	.40
18'	3.36	3.33	2.86	1.84	1.07	.72	.41
20'	2.72	2.76	2.27	1.80	.98	.70	.50
25'	1.74	.70	1.58	1.30	.88	.63	.46

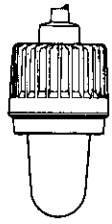
$$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$$

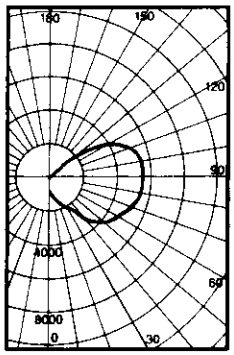
Test No. LSI-9229

HIGH PRESSURE SODIUM
With Globe Only
250 – 400 Watt Mogul Base

CANDLEPOWER – 400 WATT
E-18 clear lamp
50000 lumens

For 250 watt multiply by .60





ANGLE	CP	ANGLE	CP
0	653.	90.0	5345.
5.0	655.	95.0	5305.
10.0	1089.	100.0	5222.
15.0	1458.	105.0	5065.
20.0	1754.	110.0	4801.
25.0	1907.	115.0	4382.
30.0	2041.	120.0	3744.
35.0	2261.	125.0	2889.
40.0	2967.	130.0	1868.
45.0	3500.	135.0	965.
50.0	3934.	140.0	357.
55.0	4323.	145.0	82.
60.0	4602.	150.0	8.
65.0	4807.	155.0	0.
70.0	5023.	160.0	0.
75.0	5187.	165.0	0.
80.0	5288.	170.0	0.
85.0	5333.	175.0	0.
		180.0	0.

Efficiency 88.6%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50			30			10			0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	97	97	97	97	90	90	90	90	78	78	78	66	66	66	56	56	56	51
1	83	76	71	66	76	71	66	61	60	56	52	50	47	44	41	38	36	32
2	73	63	55	49	67	58	51	45	49	43	38	40	36	32	32	29	26	22
3	65	54	45	38	59	49	41	35	41	35	30	33	29	24	26	23	19	15
4	59	46	37	31	54	43	35	28	36	29	24	29	24	20	23	19	15	12
5	53	40	31	25	48	37	29	23	31	24	19	25	20	16	20	15	12	09
6	48	35	27	21	44	32	25	19	27	21	16	22	17	13	17	13	10	07
7	44	31	23	17	40	29	21	16	24	17	13	19	14	10	15	11	08	05
8	41	28	20	14	37	26	18	13	21	15	11	18	12	09	14	10	06	04
9	38	25	18	12	34	23	16	11	19	13	09	16	11	07	12	08	05	03
10	35	23	15	11	32	21	14	10	18	12	08	14	10	06	11	07	04	03

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 4.0
SPACING CRITERION — SC = 3.8

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	8.53	13.65	12.37	7.38	4.30	2.57	1.59	1.08	.74	.53
12'	5.92	10.42	9.34	6.66	4.35	2.71	1.79	1.19	.85	.61
14'	4.35	7.47	6.22	5.67	4.16	2.74	1.85	1.31	.92	.69
16'	3.33	4.95	4.86	5.31	3.75	2.65	1.87	1.35	1.01	.74
18'	2.63	4.03	4.21	4.15	3.64	2.66	1.93	1.42	1.03	.79
20'	2.13	3.33	3.41	2.89	3.09	2.40	1.85	1.41	1.08	.81
25'	1.37	1.64	2.25	2.06	2.26	1.98	1.65	1.36	1.10	.84
30'	.95	1.16	1.66	1.52	1.45	1.49	1.37	1.21	1.04	.82

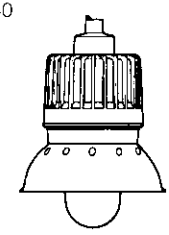
$$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$$

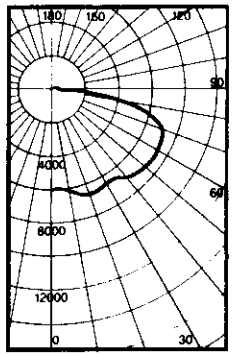
Test No. LSI-9055

HIGH PRESSURE SODIUM
With Globe and Standard Dome Reflector
250 – 400 Watt Mogul Base

CANDLEPOWER – 400 WATT
E-18 clear lamp
50000 lumens

For 250 watt multiply by .60





ANGLE	CP	ANGLE	CP
0	5968.	90.0	427.
5.0	5968.	95.0	241
10.0	6174.	100.0	165.
15.0	6468.	105.0	192.
20.0	6624.	110.0	250.
25.0	6582.	115.0	282.
30.0	6484.	120.0	268.
35.0	6438.	125.0	206.
40.0	6659.	130.0	113.
45.0	7119.	135.0	32.
50.0	7281.	140.0	0
55.0	7374.	145.0	0.
60.0	7306.	150.0	0.
65.0	7169.	155.0	0.
70.0	6805.	160.0	0.
75.0	5414.	165.0	0.
80.0	3750.	170.0	0.
85.0	1936.	175.0	0
		180.0	0.

Efficiency 75.1%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50			30			10			0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	89	89	89	89	87	87	87	87	82	82	82	78	78	78	75	75	75	73
1	79	74	70	67	77	73	69	65	69	66	63	65	63	60	62	60	58	56
2	70	63	57	51	68	61	55	50	58	53	49	55	51	47	52	49	46	44
3	63	53	46	40	60	52	45	40	49	43	39	47	42	38	44	40	37	35
4	57	46	39	33	55	45	38	33	43	37	32	41	36	31	39	34	31	29
5	51	40	33	27	49	39	32	27	37	31	26	36	30	26	34	29	25	23
6	47	35	28	22	45	35	27	22	33	27	22	31	26	21	30	25	21	19
7	43	31	24	19	41	30	23	18	29	23	18	28	22	18	27	21	17	16
8	39	28	21	16	38	27	21	16	26	20	16	25	19	15	24	19	15	13
9	36	25	18	14	35	25	18	14	24	18	13	23	17	13	22	17	13	11
10	34	23	16	12	33	22	16	12	21	16	12	21	15	11	20	15	11	10

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.7
SPACING CRITERION — SC = 1.7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	59.68	47.10	25.17	12.59	6.41	3.49	2.15	1.12	.77	.38
12'	41.44	35.95	21.60	12.33	6.91	4.03	2.42	1.61	.89	.64
14'	30.45	28.23	17.70	11.54	7.10	4.35	2.77	1.78	1.25	.72
16'	23.31	21.97	15.45	10.80	6.93	4.51	2.97	2.01	1.36	1.00
18'	18.42	17.86	13.37	9.60	6.73	4.54	3.07	2.12	1.53	1.08
20'	14.92	14.76	11.77	8.24	6.29	4.44	3.15	2.23	1.60	1.20
25'	9.54	9.31	8.48	6.54	5.23	4.03	3.06	2.32	1.74	1.34
30'	6.63	6.58	6.28	5.23	4.12	3.46	2.80	2.23	1.77	1.40

$$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$$

Test No. LSI-9056

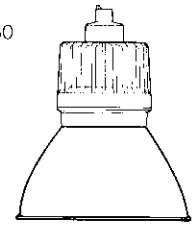
HUBBELL®
KILLARK®

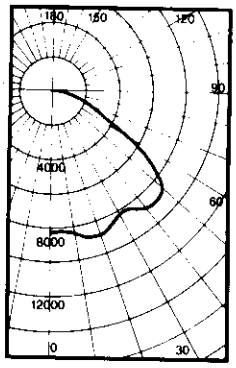
HIGH PRESSURE SODIUM

With Globe and Deep Dome HRD-400 Reflector
250 and 400 Watt Mogul Base

CANDLEPOWER – 400 WATT

E-18 clear lamp
50000 lumens
For 250 watt multiply by .60





0	8203.
5.0	8137.
10.0	8365.
15.0	8730.
20.0	8725.
25.0	8420.
30.0	8140.
35.0	8129.
40.0	8634.
45.0	8683.
50.0	8413.
55.0	8574.
60.0	4258.
65.0	2556.
70.0	1794.
75.0	1132.
80.0	606.
85.0	169.
90.0	0.

Efficiency 58.1%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50			30			10			0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	69	69	69	69	68	68	68	68	65	65	65	62	62	62	59	59	59	58
1	64	62	59	57	62	60	58	56	58	56	55	56	54	53	54	52	51	50
2	59	55	51	48	56	54	50	48	52	49	47	50	48	46	48	46	45	43
3	54	48	44	41	53	48	44	40	48	43	40	44	42	39	43	41	38	37
4	50	43	39	35	49	43	38	35	41	37	34	40	37	34	39	36	33	32
5	46	39	34	30	44	38	33	30	37	33	30	36	32	29	35	31	29	28
6	42	34	29	26	41	34	29	25	33	28	25	32	28	25	31	27	25	24
7	39	30	25	22	37	30	25	22	29	24	21	28	24	21	27	24	21	20
8	36	27	22	19	34	27	22	19	26	22	19	25	21	18	25	21	18	17
9	32	24	20	16	31	24	19	16	23	19	16	23	19	16	22	18	16	15
10	30	22	17	14	29	22	17	14	21	17	14	20	17	14	20	16	14	13

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.6
SPACING CRITERION — SC = 1.5

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	82.03	60.25	30.70	11.22	2.83	1.10	.57	.24	.16	.09
12'	56.97	45.99	27.18	14.24	4.03	1.44	.77	.43	.24	.14
14'	41.85	37.18	22.35	13.93	6.33	2.53	.99	.56	.33	.19
16'	32.04	29.90	19.19	13.20	8.01	3.32	1.29	.72	.43	.26
18'	25.32	24.10	16.78	12.08	7.94	4.05	1.79	.93	.55	.34
20'	20.51	19.93	14.79	10.68	7.68	5.13	2.84	1.30	.57	.43
25'	13.13	12.80	11.00	8.13	6.58	4.91	3.53	2.07	1.01	.78
30'	9.11	8.91	8.36	6.57	5.20	4.35	3.41	2.58	1.86	1.25

FC = (Candlepower) (COS θ) / DISTANCE²

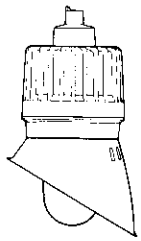
Test No. LSI-9058

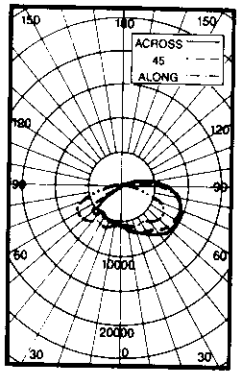
HIGH PRESSURE SODIUM

With Globe and Angle Reflector
250 – 400 Watt Mogul Base

CANDLEPOWER – 400 WATT

E-18 clear lamp
50000 lumens
For 250 watt multiply by .60





ANGLE	90	45	0
0	5430.	5430.	5430.
5.0	5382.	5623.	5722.
15.0	5925.	6556.	6720.
25.0	6075.	7155.	7346.
35.0	5916.	7462.	8007.
45.0	6837.	8514.	9222.
55.0	7123.	9049.	9457.
65.0	6492.	9031.	9185.
75.0	3578.	8606.	8796.
85.0	594.	6928.	7789.
90.0	194.	5522.	7177.
95.0	118.	3995.	5749.
105.0	25.	1074.	2663.
115.0	4.	97.	549.
125.0	0.	0.	27.
135.0	0.	0.	0.
145.0	0.	0.	0.
155.0	0.	0.	0.
165.0	0.	0.	0.
175.0	0.	0.	0.
180.0	0.	0.	0.

Efficiency 71.7%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50			30			10			0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	84	84	84	84	81	81	81	81	76	76	76	72	72	72	67	67	67	65
1	74	69	65	62	71	67	63	60	63	60	57	59	56	54	55	53	51	49
2	66	58	53	48	64	57	51	47	53	49	45	50	46	43	47	44	41	39
3	59	50	44	39	57	49	43	37	46	40	36	43	38	34	40	36	33	31
4	54	44	37	32	52	43	36	31	40	34	30	38	33	29	35	31	28	26
5	49	39	32	26	47	38	31	26	35	29	25	33	28	24	31	27	23	21
6	45	34	27	22	43	33	26	22	31	25	21	29	24	20	27	23	19	18
7	41	30	23	19	39	29	23	18	27	22	17	26	21	17	24	20	16	15
8	38	27	20	16	36	26	20	15	25	19	15	23	18	14	22	17	14	12
9	35	24	18	13	33	24	18	13	22	17	13	21	16	12	20	15	12	11
10	32	22	16	12	31	21	16	12	20	15	11	19	14	11	18	14	10	09

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 2.3
SPACING CRITERION (Along) — SC = 1.8
SPACING CRITERION (Across) — SC = 2.3

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE (Front) IN FEET

FOOTCANDLE CHART (Initial) 400 WATT H.P.S.
HORIZONTAL DISTANCE FROM SOURCE (Side) IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'
10'	54.30	52.56	32.61	16.14	6.22	4.64	2.87
12'	37.71	40.12	27.61	15.99	8.88	5.17	3.22
14'	27.70	30.46	22.01	14.95	9.10	5.56	3.54
16'	21.21	22.83	18.07	13.98	9.00	5.79	3.82
18'	16.76	18.55	15.84	12.27	8.73	5.82	3.94
20'	13.58	15.34	13.14	10.25	8.15	5.78	4.04
25'	8.69	9.36	9.14	7.66	6.66	5.22	3.97

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'
10'	54.30	43.47	24.17	12.16	5.61	2.89	1.66
12'	37.71	33.18	20.40	11.91	6.87	3.65	1.97
14'	27.70	25.98	16.26	11.08	6.85	4.20	2.50
16'	21.21	20.13	14.30	10.37	6.70	4.36	2.87
18'	16.76	16.38	12.38	9.08	6.50	4.38	2.96
20'	13.58	13.53	10.87	7.57	6.04	4.29	3.04
25'	8.69	8.47	7.81	6.08	4.94	3.87	2.95

FC = (Candlepower) (COS θ) / DISTANCE²

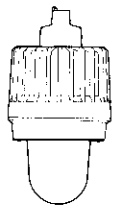
Test No. LSI-9057

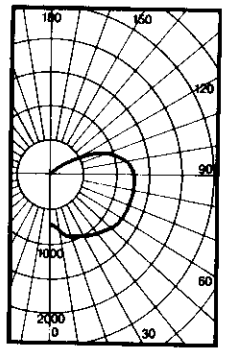
MERCURY VAPOR, METAL HALIDE, PULSE START METAL HALIDE

With Globe and Standard Dome Reflector
70 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT MH

E-28 coated MH (14000 lumens)
For CP of 70W MH multiply by .40
For CP of 100W MH multiply by .56
For CP of 150W MH multiply by .96
For CP of 250W MH multiply by 1.46
For CP of 100W MV multiply by .30
For CP of 175W MV multiply by .61
For CP of 250W MV multiply by .86
For CP of 175W MHP multiply by 1.14
For CP of 250W MHP multiply by 1.69





ANGLE	CP	ANGLE	CP
0	755.	90.0	1275.
5.0	786.	95.0	1246.
10.0	853.	100.0	1189.
15.0	933.	105.0	1046.
20.0	983.	110.0	892.
25.0	1008.	115.0	714.
30.0	1036.	120.0	504.
35.0	1075.	125.0	307.
40.0	1126.	130.0	143.
45.0	1167.	135.0	34.
50.0	1199.	140.0	2.
55.0	1228.	145.0	0.
60.0	1258.	150.0	0.
65.0	1279.	155.0	0.
70.0	1291.	160.0	0.
75.0	1299.	165.0	0.
80.0	1293.	170.0	0.
85.0	1282.	175.0	0.
		180.0	0.

Efficiency 78.5%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50			30			10			0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance																	
0	86	86	86	86	83	83	83	83	73	73	73	65	65	65	57	57	57	54
1	76	70	65	61	71	66	61	57	58	54	51	50	46	45	44	41	39	36
2	67	59	52	46	62	55	49	43	48	43	39	42	38	34	36	33	30	28
3	60	50	42	36	56	47	40	34	41	35	30	35	31	27	30	26	23	20
4	54	44	36	30	51	41	34	28	36	30	25	31	26	22	26	22	19	16
5	49	38	30	24	46	36	28	23	31	25	21	27	22	18	23	19	16	13
6	45	34	26	20	42	31	24	19	27	22	17	24	19	15	20	16	13	11
7	41	30	22	17	38	28	21	16	24	19	14	21	16	12	18	14	11	09
8	38	27	20	15	35	25	18	14	22	16	12	19	14	11	16	12	09	07
9	35	24	17	13	33	23	16	12	20	14	11	17	13	09	15	11	08	06
10	33	22	15	11	31	21	15	10	18	13	09	16	11	08	14	10	07	05

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 2.1
SPACING CRITERION — SC = 2.1

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	7.56	7.21	4.13	2.10	1.14	.66	.41	.27	.19	.13
12'	5.24	5.51	3.54	2.03	1.19	.72	.46	.31	.21	.15
14'	3.85	4.19	2.96	1.89	1.18	.75	.49	.34	.24	.17
16'	2.95	3.34	2.47	1.77	1.14	.75	.51	.36	.26	.19
18'	2.33	2.58	2.14	1.58	1.11	.76	.53	.38	.27	.20
20'	1.89	2.13	1.80	1.38	1.03	.73	.52	.38	.29	.21
25'	1.21	1.29	1.26	1.05	.86	.66	.50	.39	.30	.23
30'	.84	.91	.93	.80	.69	.57	.46	.37	.30	.23

FC = (Candlepower) (COS θ) / DISTANCE²

Test No. LSI-9183

HUBBELL
KILLARK®

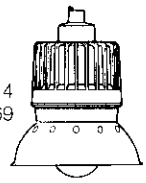
MERCURY VAPOR, METAL HALIDE, PULSE START METAL HALIDE

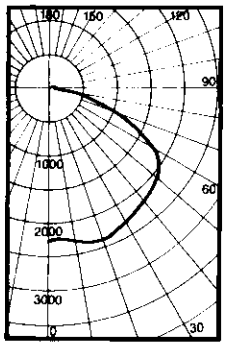
With Globe and Standard Dome Reflector
70 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT MH

E-28 coated MH (14000 lumens)

For CP of 70W MH multiply by .40
For CP of 100W MH multiply by .56
For CP of 150W MH multiply by .96
For CP of 250W MH multiply by 1.46
For CP of 100W MV multiply by .30
For CP of 175W MV multiply by .61
For CP of 250W MV multiply by .86
For CP of 175W MHP multiply by 1.14
For CP of 250W MHP multiply by 1.69





ANGLE	CP	ANGLE	CP
0	2324	90.0	30
5.0	2353	95.0	37
10.0	2417	100.0	56
15.0	2464	105.0	69
20.0	2477	110.0	64
25.0	2440	115.0	41
30.0	2374	120.0	19
35.0	2311	125.0	4
40.0	2248	130.0	0
45.0	2184	135.0	0
50.0	2114	140.0	0
55.0	1988	145.0	0
60.0	1711	150.0	0
65.0	1299	155.0	0
70.0	851	160.0	0
75.0	493	165.0	0
80.0	234	170.0	0
85.0	94	175.0	0
		180.0	0

Efficiency 64.6%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	77	77	77	77	75	75	75	75	71	71	71	68	68	68	65	65	65	64
1	70	68	65	63	69	66	64	61	63	61	59	60	59	57	58	57	55	54
2	64	59	55	52	63	58	54	51	55	52	50	53	51	48	51	49	47	46
3	59	52	47	43	57	51	46	42	49	45	42	47	44	41	45	42	40	38
4	54	46	41	36	52	45	40	36	43	39	35	42	38	35	40	37	34	33
5	49	41	35	31	48	40	34	31	38	34	30	37	33	30	36	32	29	28
6	45	36	30	26	43	35	30	26	34	29	26	33	29	25	32	28	25	24
7	41	32	26	22	40	31	26	22	30	25	22	29	25	21	28	24	21	20
8	38	29	23	19	37	28	23	19	27	22	19	26	22	19	26	22	19	17
9	35	26	20	17	34	26	20	17	25	20	17	24	19	16	23	19	16	15
10	32	24	18	15	31	23	18	15	22	18	14	22	17	14	21	17	14	13

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.5
SPACING CRITERION — SC = 1.5

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	23.24	17.46	7.72	3.39	1.16	.44	.27	.10	.07	.02
12'	16.14	13.33	7.08	3.58	1.62	.73	.30	.20	.08	.06
14'	11.86	10.56	6.35	3.54	1.91	1.02	.50	.22	.16	.07
16'	9.08	8.37	5.65	3.31	2.01	1.22	.70	.37	.17	.13
18'	7.17	6.80	4.90	3.15	1.95	1.22	.72	.38	.26	.14
20'	5.81	5.62	4.37	2.96	1.93	1.29	.85	.52	.29	.22
25'	3.72	3.65	3.17	2.40	1.71	1.24	.89	.63	.41	.31
30'	2.58	2.58	2.35	1.94	1.48	1.13	.86	.65	.48	.38

FC = (Candlepower) (COS Θ) / DISTANCE²

Test No. LSI-9231

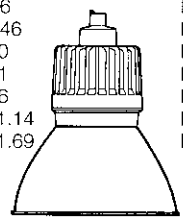
MERCURY VAPOR, METAL HALIDE, PULSE START METAL HALIDE

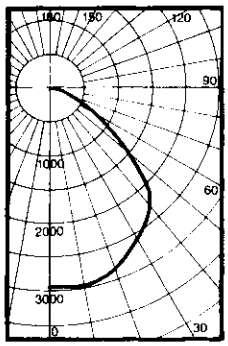
With Globe and Deep Dome HRD-400 Reflector
70 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT MH

E-28 coated MH (14000 lumens)

For CP of 70W MH multiply by .40
For CP of 100W MH multiply by .56
For CP of 150W MH multiply by .96
For CP of 250W MH multiply by 1.46
For CP of 100W MV multiply by .30
For CP of 175W MV multiply by .61
For CP of 250W MV multiply by .86
For CP of 175W MHP multiply by 1.14
For CP of 250W MHP multiply by 1.69





ANGLE	CP
0	3034
5.0	3041
10.0	3050
15.0	3005
20.0	2897
25.0	2769
30.0	2636
35.0	2486
40.0	2343
45.0	2034
50.0	1489
55.0	1006
60.0	682
65.0	502
70.0	366
75.0	233
80.0	125
85.0	31
90.0	0

Efficiency 51.9%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	62	62	62	62	60	60	60	60	58	58	58	55	55	55	53	53	53	XX
1	58	56	54	52	56	55	53	52	52	51	50	50	49	48	49	48	47	XX
2	54	50	48	45	52	49	47	45	48	45	44	46	44	43	45	43	42	XX
3	50	45	42	39	49	44	41	39	43	40	38	42	39	37	40	39	38	XX
4	46	41	37	34	45	40	37	34	39	36	34	38	35	33	37	35	33	XX
5	43	37	33	30	42	37	33	30	36	32	30	35	32	30	34	31	29	XX
6	40	34	30	27	39	33	29	27	32	29	26	31	28	26	31	28	26	XX
7	37	30	26	24	36	30	26	23	29	26	23	28	25	23	28	25	23	XX
8	34	28	24	21	33	27	23	21	27	23	21	26	23	20	25	22	20	XX
9	32	25	21	18	31	25	21	18	24	21	18	24	20	18	23	20	18	XX
10	29	23	19	16	29	23	19	16	22	19	16	22	18	16	21	18	16	XX

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.3
SPACING CRITERION — SC = 1.3

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	30.34	19.81	7.19	1.72	.52	.22	.09	.05	.03	.02
12'	21.07	15.12	7.38	2.52	.65	.28	.15	.09	.05	.03
14'	15.48	12.35	6.83	2.88	.97	.41	.19	.11	.07	.04
16'	11.85	10.05	6.12	3.38	1.42	.50	.24	.14	.09	.05
18'	9.36	8.30	5.44	3.28	1.64	.62	.29	.17	.11	.07
20'	7.59	6.86	4.83	3.09	1.80	.91	.43	.21	.13	.08
25'	4.85	4.60	3.63	2.66	1.79	1.15	.63	.32	.20	.13
30'	3.37	3.25	2.81	2.20	1.59	1.18	.80	.46	.29	.19

FC = (Candlepower) (COS Θ) / DISTANCE²

Test No. LSI-9233

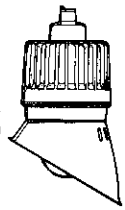
MERCURY VAPOR, METAL HALIDE, PULSE START METAL HALIDE

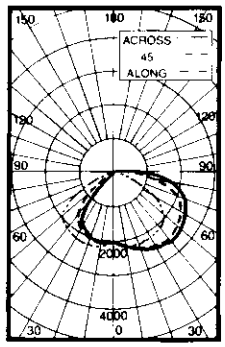
With Globe and Angle Reflector
70 – 250 Watt Mogul Base

CANDLEPOWER – 175 WATT MH

E-28 coated MH (14000 lumens)

For CP of 70W MH multiply by .40
For CP of 100W MH multiply by .56
For CP of 150W MH multiply by .96
For CP of 250W MH multiply by 1.46
For CP of 100W MV multiply by .30
For CP of 175W MV multiply by .61
For CP of 250W MV multiply by .86
For CP of 175W MHP multiply by 1.14
For CP of 250W MHP multiply by 1.69





ANGLE	90	45	0
0	2119	2119	2119
5.0	2161	2211	2184
15.0	2295	2386	2402
25.0	2261	2522	2565
35.0	2208	2610	2678
45.0	2116	2545	2711
55.0	1717	2405	2590
65.0	915	2211	2412
75.0	300	1675	2077
85.0	32	873	1452
90.0	0	636	1146
95.0	0	432	845
105.0	0	72	263
115.0	4	0	49
125.0	0	0	0
135.0	2	0	0
145.0	0	0	0
155.0	0	0	0
165.0	3	0	0
175.0	4	0	0
180.0	0	0	0

Efficiency 83.6%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	75	75	75	75	73	73	73	73	69	69	69	66	66	66	62	62	62	61
1	68	64	61	58	66	63	60	57	59	57	56	56	54	53	54	52	51	49
2	61	56	51	47	60	54	50	47	52	48	45	49	46	44	47	44	42	41
3	56	49	43	39	54	48	43	39	45	41	38	43	40	37	41	38	36	34
4	51	43	38	33	50	42	37	33	40	36	32	39	35	32	37	34	31	29
5	47	39	33	28	45	38	32	28	36	31	28	34	30	27	33	29	26	25
6	43	34	29	24	42	34	28	24	32	27	24	31	27	23	30	26	23	24
7	39	31	25	21	38	30	25	21	29	24	20	27	23	20	26	23	20	18
8	37	28	22	18	35	27	22	18	26	21	18	25	21	17	24	20	17	16
9	34	25	20	16	33	25	19	16	23	19	16	23	18	15	22	18	15	14
10	31	23	17	14	30	22	17	14	21	17	14	21	16	13	20	16	13	12

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.9
SPACING CRITERION (Along) — SC = 1.6
SPACING CRITERION (Across) — SC = 1.9

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 175 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE (Front) IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'
10'	21.18	16.16	9.59	4.42	2.16	1.18	.73
12'	14.72	14.01	8.54	4.50	2.36	1.35	.82
14'	10.81	10.94	7.36	4.39	2.49	1.49	.93
16'	8.28	8.16	6.21	4.11	2.53	1.59	1.02
18'	6.54	6.63	5.46	3.80	2.45	1.60	1.06
20'	5.30	5.48	4.58	3.43	2.40	1.62	1.11
25'	3.39	3.53	3.17	2.67	2.02	1.53	1.11

FOOTCANDLE CHART (Initial) 175 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE (Side) IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'
10'	21.18	16.16	7.46	2.93	.82	.28	.18
12'	14.72	12.35	6.81	3.33	1.26	.52	.20
14'	10.81	9.84	6.07	3.43	1.65	.80	.35
16'	8.28	7.80	5.27	3.23	1.86	1.05	.55
18'	6.54	6.34	4.66	2.93	1.82	1.08	.57
20'	5.30	5.24	4.05	2.63	1.67	1.20	.73
25'	3.39	3.38	2.98	2.27	1.66	1.20	.83

FC = (Candlepower) (COS Θ) / DISTANCE²

Test No. LSI-9232

HUBBELL
KILLARK®

MERCURY VAPOR, METAL HALIDE, PULSE START METAL HALIDE

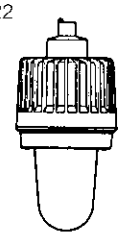
With Globe Only
320 - 400 Watt Mogul Base

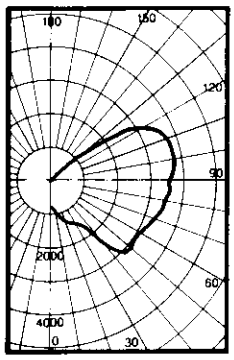
CANDLEPOWER – 400 WATT MH

E-37 coated MH
36000 lumens

For 400 watt mercury vapor lamp multiply by .625

For CP of MHP320 multiply by .87
For CP of MHP350 multiply by 1.05
For CP of MHP400 multiply by 1.22





ANGLE	CP	ANGLE	CP
0	812	90.0	3511
5.0	872	95.0	3591
10.0	1029	100.0	3634
15.0	1187	105.0	3626
20.0	1295	110.0	3551
25.0	1376	115.0	3397
30.0	1471	120.0	3063
35.0	1778	125.0	2392
40.0	2519	130.0	1443
45.0	3028	135.0	592
50.0	3051	140.0	136
55.0	3016	145.0	8
60.0	3076	150.0	0
65.0	3180	155.0	0
70.0	3299	160.0	0
75.0	3389	165.0	0
80.0	3419	170.0	0
85.0	3452	175.0	0
		180.0	0

Efficiency 87.3%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance													
0	95	95	95	95	88	88	88	88	76	76	76	65	65	54	54	54	49
1	82	76	70	66	75	70	65	61	59	55	52	49	46	44	40	38	36	31
2	72	63	56	49	66	58	51	46	49	43	39	40	36	32	32	29	26	22
3	64	54	45	39	59	49	42	36	41	35	30	34	29	25	27	23	20	16
4	58	47	38	31	53	43	35	29	36	29	25	29	24	20	23	19	16	13
5	53	40	32	26	48	37	29	24	31	25	20	25	20	16	20	16	13	10
6	48	36	27	21	44	33	25	19	27	21	16	22	17	13	17	13	10	07
7	44	31	23	18	40	29	21	16	24	18	13	19	14	11	15	11	08	06
8	40	28	20	15	37	26	19	14	21	16	11	18	13	09	14	10	07	05
9	37	25	18	13	34	23	16	12	19	14	10	16	11	08	12	08	06	04
10	35	23	16	11	32	21	14	10	18	12	08	14	10	06	11	07	05	03

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 3.4
SPACING CRITERION — SC = 3.3

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	8.12	9.85	10.71	5.15	2.84	1.69	1.04	.70	.48	.35
12'	5.64	7.52	7.93	5.17	2.91	1.79	1.17	.78	.56	.40
14'	4.14	5.52	4.89	4.91	2.90	1.83	1.23	.86	.61	.45
16'	3.17	4.03	3.50	4.59	2.91	1.85	1.25	.89	.66	.49
18'	2.51	3.28	3.03	3.53	2.82	1.86	1.29	.94	.68	.52
20'	2.03	2.71	2.46	2.28	2.68	1.86	1.29	.94	.71	.53
25'	1.30	1.55	1.66	1.48	1.92	1.71	1.28	.95	.73	.56
30'	.90	1.10	1.23	1.19	1.14	1.27	1.19	.93	.72	.57

FC = (Candlepower) (COS θ) / DISTANCE²

Test No. LSI-9051

MERCURY VAPOR, METAL HALIDE, PULSE START METAL HALIDE

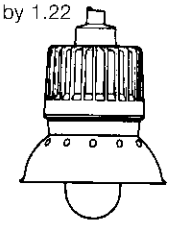
With Globe and Standard Dome Reflector
320 - 400 Watt Mogul Base

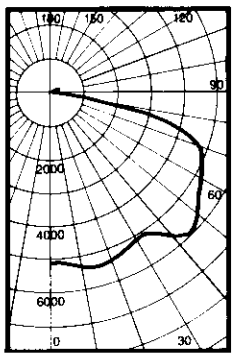
CANDLEPOWER – 400 WATT MH

E-37 coated MH
36000 lumens

For 400 watt mercury vapor lamp multiply by .625

For CP of MHP320 multiply by .87
For CP of MHP350 multiply by 1.05
For CP of MHP400 multiply by 1.22





ANGLE	CP	ANGLE	CP
0	5056	90.0	121
5.0	5108	95.0	90
10.0	5242	100.0	83
15.0	5305	105.0	118
20.0	5263	110.0	203
25.0	5173	115.0	280
30.0	5051	120.0	258
35.0	5085	125.0	145
40.0	5577	130.0	36
45.0	5819	135.0	0
50.0	5578	140.0	0
55.0	5270	145.0	0
60.0	5043	150.0	0
65.0	4836	155.0	0
70.0	4477	160.0	0
75.0	3216	165.0	0
80.0	1382	170.0	0
85.0	444	175.0	0
		180.0	0

Efficiency 72.5%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance													
0	86	86	86	86	84	84	84	84	80	80	80	76	76	76	72	72	72	71
1	78	74	70	67	75	72	69	66	68	66	63	65	63	61	62	61	59	57
2	70	63	58	53	68	61	56	52	58	54	51	56	52	49	53	50	48	46
3	62	54	47	42	60	53	47	42	50	45	41	48	44	40	46	42	39	37
4	57	47	40	35	55	46	40	35	44	38	34	42	37	33	40	36	33	31
5	52	41	34	29	50	40	34	29	38	33	28	37	32	28	35	31	27	25
6	47	36	29	24	45	35	29	24	34	28	24	32	27	23	31	26	23	21
7	43	32	25	20	41	31	25	20	30	24	20	29	23	19	28	23	19	17
8	39	29	22	17	38	28	22	17	27	21	17	26	21	17	25	20	16	15
9	36	26	19	15	35	26	19	15	24	19	15	23	18	14	22	18	14	13
10	34	23	17	13	33	23	17	13	22	16	13	21	16	12	20	16	12	11

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.7
SPACING CRITERION — SC = 1.7

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	50.56	37.02	20.57	9.00	4.33	2.29	1.42	.67	.46	.14
12'	35.11	28.26	17.56	9.44	4.77	2.72	1.59	1.06	.53	.38
14'	25.80	22.43	13.98	9.43	5.07	3.00	1.87	1.17	.82	.43
16'	19.75	18.02	12.03	8.83	5.31	3.23	2.05	1.36	.90	.66
18'	15.61	14.65	10.41	7.80	5.15	3.25	2.12	1.43	1.03	.71
20'	12.64	12.11	9.25	6.51	5.14	3.40	2.25	1.54	1.08	.81
25'	8.09	7.91	6.74	5.10	4.25	3.29	2.34	1.56	1.20	.92
30'	5.62	5.59	4.99	4.11	3.26	2.81	2.29	1.71	1.27	1.00

FC = (Candlepower) (COS θ) / DISTANCE²

Test No. LSI-9052

MERCURY VAPOR, METAL HALIDE, PULSE START METAL HALIDE

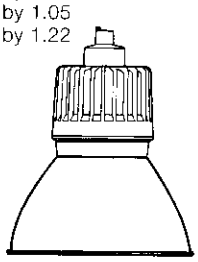
With Globe and Deep Dome Reflector
320 - 400 Watt Mogul Base

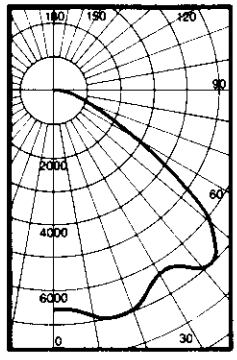
CANDLEPOWER – 400 WATT MH

E-37 coated MH
36000 lumens

For 400 watt mercury vapor lamp multiply by .625

For CP of MHP320 multiply by .87
For CP of MHP350 multiply by 1.05
For CP of MHP400 multiply by 1.22





ANGLE	CP
0	6505
5.0	6587
10.0	6777
15.0	6930
20.0	6884
25.0	6636
30.0	6269
35.0	6329
40.0	6870
45.0	6682
50.0	5778
55.0	3859
60.0	2305
65.0	1704
70.0	1190
75.0	743
80.0	397
85.0	100
90.0	0

Efficiency 58.2%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE 1cc	80			70			50		30		10		0
% WALL REFLECTANCE 1w	70	50	30	10	70	50	30	10	50	30	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance													
0	69	69	69	69	68	68	68	68	65	65	65	62	62	62	59	59	59	58
1	64	62	60	58	63	61	59	57	58	57	55	56	55	54	54	53	52	51
2	59	56	52	49	58	54	51	49	52	50	48	51	48	47	49	47	46	44
3	55	49	45	42	53	49	45	42	47	44	41	45	43	40	44	42	40	39
4	51	44	40	36	49	44	40	36	42	39	36	41	38	35	40	37	35	34
5	47	40	35	31	45	39	35	31	38	34	31	37	33	31	36	33	30	29
6	43	36	31	27	42	35	30	27	34	30	27	33	29	27	32	29	26	25
7	39	32	27	23	38	31	27	23	30	26	23	29	26	23	29	25	23	22
8	36	28	24	20	35	28	23	20	27	23	20	27	23	20	26	22	20	19
9	33	26	21	18	32	25	21	18	24	20	17	24	20	17	23	20	17	16
10	31	23	18	15	30	23	18	15	22	18	15	22	18	15	21	18	15	14

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 1.6
SPACING CRITERION — SC = 1.6

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial) 400 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE IN FEET

MOUNTING HEIGHT IN FEET	0'	5'	10'	15'	20'	25'	30'	35'	40'	45'
10'	65.05	47.48	23.62	6.59	1.79	.74	.30	.15	.11	.06
12'	45.17	37.08	21.63	9.78	2.18	.96	.51	.28	.16	.09
14'	33.19	29.33	17.40	10.16	3.71	1.37	.66	.38	.22	.13
16'	25.41	23.57	14.77	10.42	5.50	1.78	.81	.48	.29	.18
18'	20.08	19.13	12.93	9.61	5.79	2.38	.97	.59	.36	.23
20'	16.26	15.82	11.53	8.48	5.91	3.52	1.65	.70	.45	.29
25'	10.41	10.22	8.69	6.32	5.23	3.78	2.43	1.21	.69	.42
30'	7.23	7.23	6.58	5.13	4.05	3.46	2.63	1.77	1.18	.73

FC = (Candlepower) (COS θ) / DISTANCE²

Test No. LSI-9054

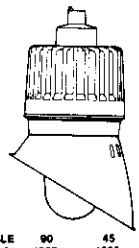
HUBBELL®
KILLARK®

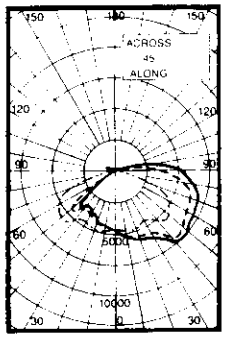
MERCURY VAPOR, METAL HALIDE, PULSE START
With Globe and Angle Reflector
320 - 400 Watt Mogul Base

CANDLEPOWER – 400 WATT MH
E-37 coated MH
36000 lumens

For 400 watt mercury vapor lamp multiply by .625

For CP of MHP320 multiply by .87
For CP of MHP350 multiply by 1.05
For CP of MHP400 multiply by 1.22





ANGLE	90	45	0
0	4595.	4595	4595
5.0	4618.	4919	4939
15.0	4793.	5333	5517
25.0	4570.	5472	5935
35.0	4605.	5945.	6540
45.0	5494.	7013	7441
55.0	5056.	6497	7083
65.0	4155.	6196.	6846
75.0	1238.	5725.	6557
85.0	227.	4475.	5586
90.0	85.	3287	5204
95.0	48.	2003.	4052
105.0	8.	337	1296
115.0	0.	24	163
125.0	0.	0.	0
135.0	0	0.	0
145.0	0	0.	0
155.0	0	0	0
165.0	0	0	0
175.0	0	0	0
180.0	0.	0	0

Efficiency 70.2%

COEFFICIENTS OF UTILIZATION — ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE (ρcc)	80			70			50		30		10		0
% WALL REFLECTANCE (ρw)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance														
0	82	82	82	82	80	80	80	80	75	75	71	71	67	67	65
1	73	69	65	62	71	67	63	60	63	60	57	59	57	55	54
2	66	59	54	49	63	57	52	48	54	50	46	51	47	44	42
3	59	51	44	39	57	49	43	39	47	41	37	44	40	36	33
4	54	45	38	33	52	44	37	32	41	36	31	39	34	30	28
5	49	39	33	27	47	38	32	27	36	31	26	34	29	26	23
6	45	35	28	23	43	34	27	23	32	26	22	30	25	22	19
7	41	31	24	20	40	30	24	19	28	23	19	27	22	18	16
8	38	28	21	17	36	27	21	17	25	20	16	24	19	16	13
9	35	25	19	14	34	24	18	14	23	18	14	22	17	13	11
10	32	22	16	12	31	22	16	12	21	16	12	20	15	12	10

SPACING TO MOUNTING HEIGHT RATIO — S/MH = 2.2
SPACING CRITERION (Along) — SC = 1.7
SPACING CRITERION (Across) — SC = 2.2

ILLUMINATION ON HORIZONTAL SURFACE

FOOTCANDLE CHART (Initial)
400 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE (Front) IN FEET

MOUNTING HEIGHT IN FEET	0	5	10	15	20	25	30
10	45.95	42.47	26.31	12.08	6.12	3.47	2.14
12	31.91	32.42	23.08	12.36	6.57	3.86	2.41
14	23.44	24.40	17.98	12.05	6.82	4.14	2.64
16	17.95	18.74	14.62	11.29	6.96	4.33	2.83
18	14.18	15.23	12.66	10.26	6.75	4.38	2.92
20	11.49	12.58	10.62	8.37	6.58	4.45	3.02
25	7.35	8.01	7.33	6.19	5.58	4.21	3.07

FOOTCANDLE CHART (Initial)
400 WATT M.H.
HORIZONTAL DISTANCE FROM SOURCE (Side) IN FEET

MOUNTING HEIGHT IN FEET	0	5	10	15	20	25	30
10	45.95	32.70	19.42	8.63	3.72	1.42	.67
12	31.91	24.86	15.07	8.13	4.51	2.34	.98
14	23.44	20.07	12.66	8.90	4.87	2.84	1.66
16	17.95	15.28	10.74	8.33	5.14	3.09	1.94
18	14.18	13.23	9.29	7.14	4.98	3.11	2.01
20	11.49	10.84	8.18	5.89	4.86	3.29	2.16
25	7.35	7.12	6.00	4.55	3.89	3.11	2.26

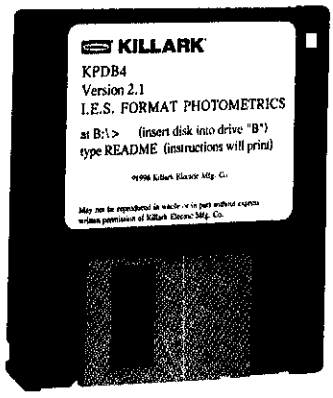
$$FC = \frac{(Candlepower)(COS\ \theta)}{DISTANCE^2}$$

Test No. LSI-9053

PHOTOMETRIC FILES in IES Format AVAILABLE ON COMPUTER DISKS

The Illuminating Engineering Society (IES) has developed a recommended standard file format for the electronic transfer of photometric data (Standard IES LM-63-1986).

Photometric files for all EZ series fixture configurations are available on a single 3½" floppy disk.



Use of this disk will eliminate the time and effort required to manually key in photometric data. Included on each disk is a "README" file and an "INDEX" file. The README file provides instructions on how to access data while the INDEX file lists all fixture catalog numbers cross referenced to their appropriate IES format photometric database file name and other descriptive data.

To obtain a registered EZ series photometric disk, contact you local Killark sales representative, Regional Manager or Specification Engineer and ask for disk KPDB4.

Additional disks for other fixture series can also be provided on request.

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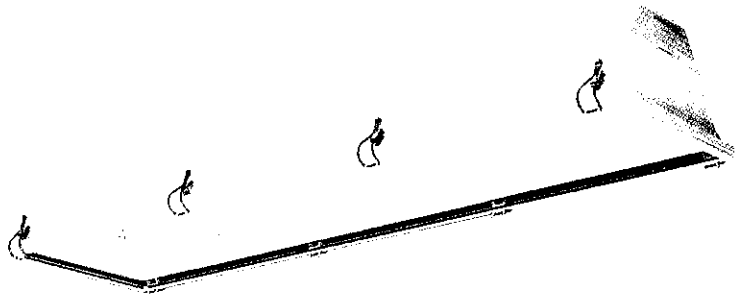


Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
NEMA 3, 4

UL Listed - File E12976

CSA Certified - File LR11713

FEATURES-SPECIFICATIONS

LINEARLITE™

Applications

LINEAR*LITE*™ DBF fluorescent fixtures are designed for general and task lighting of areas where flammable gases or vapors or combustible dusts may exist due to abnormal conditions resulting in the creation of a Class I, Division 2 or Class II or III, Div. 1 or 2, hazardous location as defined in the NEC. Also for lighting non-hazardous wet locations indoors and outdoors.

UL/CSA applies only to Class I, Division 2 and Class II, Division 2 applications. (Class II, Div. 1 pending).

Features

- Sheet steel 20 ga. housing with continuous weld prevents foreign matter from entering enclosure
- Lens frame assembly has silicon rubber gasketing and heat tempered glass lens
- Electrostatically applied polyester finish

DBF FLUORESCENT FIXTURES

CATALOG NUMBER	CONDUIT SIZE③	NUMBER OF LAMPS	LINE VOLTAGE 60 HERTZ	DESCRIPTION
DBF3212	3/4"	2	120VAC	32W T8 electronic ballast 265 MA 0°F start
DBF3242			277VAC	
DBF4012			120VAC	40W rapid start electronic F40T12 medium bi-pin 430MA
DBF4042			277VAC	
DBF6012			120VAC	60W rapid start high output F48T12/HO recessed
DBF6042			277VAC	double contact 800MA
DBF3213	3/4"	3	120VAC	32W T8 electronic ballast 265 MA 0°F start
DBF3243			277VAC	
DBF4013			120VAC	40W rapid start electronic F40T12 medium bi-pin 430MA
DBF4043			277VAC	
DBF6013			120VAC	60W rapid start high output F48T12/HO recessed
DBF6043			277VAC	double contact 800MA

- *Standard ballast starting temperature for 40 watt is 50°F. Optional cold weather electromagnetic ballast. (0°F starting 40 Watt) add suffix **CW** to catalog number. Note 60 watt high output ballasts are standard -20°F start.*
- *Ballasts are Class P Type with internal, automatic, thermally-activated protective device.*
- *Optional external ballast fusing availability by adding suffix **FB.***
- *For other voltages consult factory.*
  *Fixtures are supplied without lamps. To order with lamps installed add suffix **WL.***

③ *Hubs can be relocated in field to fixture end for feed-thru wiring.*

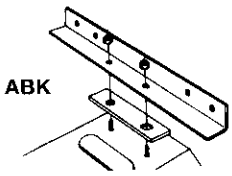
MOUNTING HARDWARE②

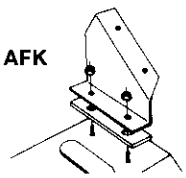
CATALOG NUMBER	DESCRIPTION
ABK	Angle bar chain bracket
AFK	45° fixed angle bracket
AAK	45° adjustable angle bracket
DBF-HUB	Replacement hub

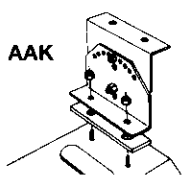
②*Must be ordered separately. Brackets sold as sets.*

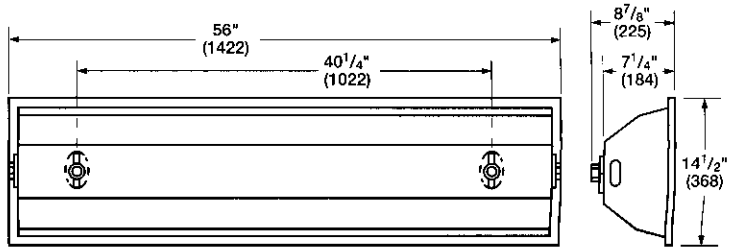
DBF HAZARDOUS LOCATION APPLICATION DATA①

NUMBER OF LAMPS	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS I, DIV. 2, GROUPS A, B, C, D MAX. LAMP TEMP.°C UL/CSA TEMP/I.D.	CLASS II, DIV. 1 & 2, GROUPS E, F, G MAX. SURFACE TEMP. °CSUITABILITY UL/CSA TEMP/I.D.	CLASS III DIV. 1 & 2 UL/CSA	NEMA TYPE 3 (RAINTIGHT)	NEMA TYPE 4 (HOSEDOWN)
2	32/40	40	90	T6 (85°C/185°F)	T6 (85°C/185°F)	YES	YES	YES
3	32/40	40	90	T5 (100°C/212°F)	T6 (85°C/185°F)	YES	YES	YES
2	60	40	90	T4A (120°C/248°F)	T6 (85°C/185°F)	YES	YES	YES
3	60	40	90	T4 (138°C/275°F)	T6 (85°C/185°F)	YES	YES	YES









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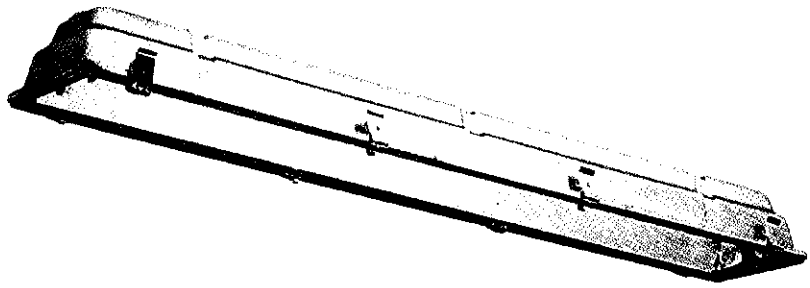


Class I, Div. 2, Groups A,B,C,D①
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 2, Group G
Class III
Suitable for wet locations

UL 1570, UL 844
Listed - File E58677

Certified - File LR97692

FEATURES-SPECIFICATIONS

LINEAR*LITE*™

Applications

LINEAR*LITE*™ SSHZ fluorescent fixtures are of stainless steel construction for corrosion resistance.

SSHZ series fixtures are intended for general and task lighting in areas where flammable gases or vapors or combustible dusts may exist due to abnormal conditions resulting in the creation of a Class I, Division 2 or Class II, Div. 2 hazardous location as defined by the NEC with glass or optional acrylic lens. The SSHZ series is also suitable for wet locations.

Features

- Housings are formed from a single seamless piece of 20 ga. 304 grade stainless steel
- All external hardware is stainless steel
- Lens frame has continuous silicone gasket to provide positive seal when captive latches are securely fastened
- Heat tempered and impact resistant glass lens is standard — 5/32"
- Acrylic lens option maintains hazardous suitability **-71** suffix (.117")
- Fixture can be mounted horizontally or vertically
- Interior reflector is secured by safety cables for servicing

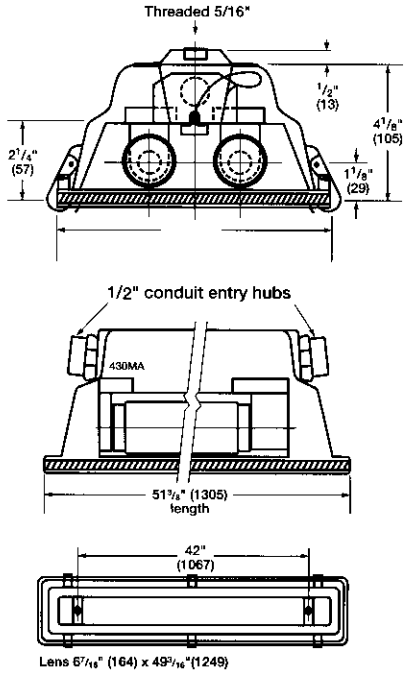
SSHZ STAINLESS STEEL FLUORESCENT FIXTURES				
CATALOG NUMBER	CONDUIT SIZE	NUMBER OF LAMPS	LINE VOLTAGE 60 HERTZ	DESCRIPTION
SSHZ-4240R-E1	1/2"	2	120VAC	40W rapid start F40T12 medium bi-pin 430MA
SSHZ-4240R-E4			277VAC	
SSHZ-4340R-E1	1/2"	3	120VAC	40W rapid start F40T12 medium bi-pin 430MA
SSHZ-4340R-E4			277VAC	

①*Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere Temperature code of T3C 160°C at 40°C. Max ambient operating temperature: 25°C.*

Energy saving ballasts are supplied as standard with 50°F starting temperature
*Change **E** in catalog number to **L** for 0° starting temperature*
__A__ for T-12 50°F electronic ballast
__B__ for T-8 32W 50°F electronic ballast

*Add **-71** suffix for Acrylic lens.*
For other voltages, consult factory.

Dimensions

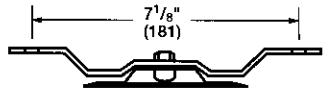


Mounting Methods

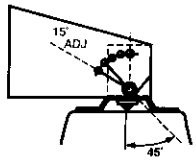
Luminaire can be suspended by eye bolts or 5/16" stem hangers. With suspension bracket, it can be secured directly to ceiling or vertical surface.

MOUNTING METHODS	
CATALOG NUMBER	DESCRIPTION
SBR-27	Suspension wall or ceiling bracket
SSHZ-45	Adjustable Wall bracket

SBR-27 or SSHZ-45 consists of two brackets (1 set). Mounting brackets must be ordered separately



Suspension Bracket



Wall Bracket

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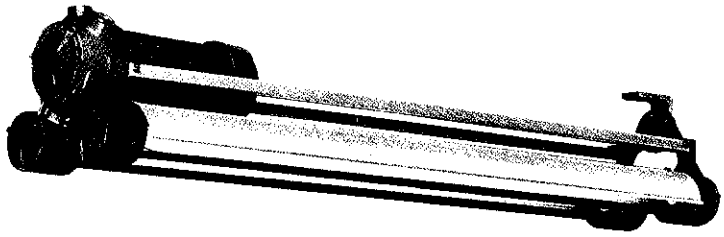

Class I, Div. 1 & 2 Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4X, 7(C,D) 9(E,F,G)
Suitable for wet locations
Suitable for paint spray booths

UL Listed - File E12976 and E89665 (Marine)

CSP Certified - File LR11713

FEATURES-SPECIFICATIONS

Applications

HFX Series fluorescent fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4x areas where wind, water and snow can be expected. They can also be used in locations made hazardous due to the presence of flammable or explosive gases, vapors and combustible ducts as defined by the NEC.

Typical applications include classified areas such as inside paint spray booths, paint manufacturing plants, ammunition facilities, oil and gas producing and refining plants, off-shore and dockside installations, tank farms, pipeline pumping stations and marine loading and fuel transfer terminals.

Features

- UL Listed and labeled for use inside paint spray booths and rooms
- Construction is strong lightweight corrosion resistant copper-free aluminum alloy, less than 4/10 of 1%
- Class P ballast(s) with internal automatic thermally activated protective device
- All external hardware is corrosion resistant 316 stainless steel to provide maintenance free long life
- UL factory sealed construction (no external seals required). Saves installation time and cost
- Electronic energy efficient ballasts are standard on 430 MA fixtures and meet the requirements of many states
- Extruded aluminum reflectors are easily removable for cleaning. Ultra white baked enamel finish
- Optional 316 stainless steel wire guard for added protection
- Threaded O-Ring gasketed covers provide easy access to lamp chambers, ballast and wiring compartment
- UL Listed externally fused ballast option; protects fixture on line side of ballast, prevents ballast burnout
- Suitable for use in both indoor and outdoor wet locations
- Relamping from either end permits easy access, speed and flexibility in relamping
- Spring loaded sockets on both lamp ends provide positive electrical contact and improved vibration resistance

Compliances

- UL-1570, Standard for Fluorescent Lighting Fixtures
- UL Marine Type Lighting Fixtures
- UL-844, Standard for Lighting Fixtures for Hazardous Locations
- CSA C22.2 137-M1981
- Meets requirements of NFPA 70-1987 Article 516 and NFPA standard 33

Catalog Number Logic

HFX - 000 - 00 - 00

Constant for HFX Series

Lamp Current
265—265 MA, 32W T8 (0°F Starting, Electronic)
430—430 MA, 40W RS (50°F Starting Electronic)②
800—800 MA, 60W RS HO (-20°F Starting)
1500—1500 MA, 110W RS VHO (-20°F Starting)

Voltage
1—120V, 60 Hz.
4—277, 60 Hz.
7—220V, 60 Hz.
8—220/240V, 50 Hz., 430 MA
9—Special (consult factory)

Number of Lamps
2—2 lamps
3—3 lamps
4—4 lamps

Options
CW—0°F ballast for 40W (430 MA) fixtures (not available with energy efficient ballast)
FB—Individually in-line fused ballast (external)
WL—With lamps supplied

HFX HAZARDOUS LOCATION APPLICATION DATA①

FIXTURE SERIES	LAMP WATTS	RATED AMBIENT °C	SUITABLE FOR °C SUPPLY WIRE	CLASS I, DIV. 1 & 2 MAX. SURFACE TEMP.			CLASS II, DIV. 1 & 2 MAX. SURFACE TEMP.			CLASS III DIV. 1 & 2 SUITABILITY	UL MARINE	PAINT SPRAY SUITABLE	NEMA 3 & 4
				TEMP.	T-CODE	GROUPS	TEMP.	T-CODE	GROUPS				
HFX	32	40	90	100°C	T5	C, D	120°C	T4A	E, F, G	Yes	Yes	Yes	Yes
HFX	40	40	90	100°C	T5	C, D	120°C	T4A	E, F, G	Yes	Yes	Yes	Yes
HFX	60	40	90	100°C	T5	C, D	120°C	T4A	E, F, G	Yes	Yes	Yes	Yes
HFX	110	40	90	100°C	T5	C, D	120°C	T4A	E, F, G	Yes	Yes	Yes	Yes

①Ratings apply to all 2, 3, and 4 lamp models.
②430 MA ballasts 60°F start with 34watt lamps.

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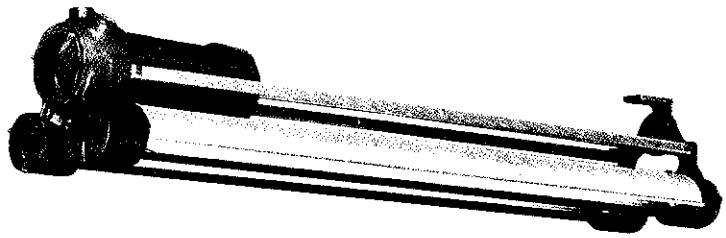


Class I, Div. 1 & 2 Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
NEMA 3, 4X, 7(C,D) 9(E,F,G)
Suitable for wet locations
Suitable for paint spray booths

UL Listed - File E12976 and E89665 (Marine)

CSA Certified - File LR11713

ORDERING INFORMATION

HFX FLUORESCENT LIGHT FIXTURES

CATALOG NUMBER①②		CONDUIT SIZE	LINE VOLTAGE @60 HERTZ	DESCRIPTION	NUMBER OF LAMPS
	③				
HFX-265-12	HFX-265-12-C	3/4"	120V	32W T8 electronic ballast 265MA	Two Lamp
HFX-265-42	HFX-265-42-C		277V		
HFX-430-12	HFX-430-12-C		120V	40W rapid start electronic F40T12 medium Bi-Pin 430MA	
HFX-430-42	HFX-430-42-C		277V		
HFX-800-12	HFX-800-12-C		120V	60W rapid start high output F48T12/HO recessed double contact 800MA	
HFX-800-42	HFX-800-42-C		277V		
HFX-1500-12	HFX-1500-12-C		120V	110W rapid start VHO F48T12/VHO recessed double contact 1500MA	
HFX-1500-42	HFX-1500-42-C		277V		
HFX-265-13	HFX-265-13-C	3/4"	120V	32W T8 electronic ballast 265MA	Three Lamp
HFX-265-43	HFX-265-43-C		277V		
HFX-430-13	HFX-430-13-C		120V	40W rapid start electronic F40T12 medium Bi-Pin 430MA	
HFX-430-43	HFX-430-43-C		277V		
HFX-800-13	HFX-800-13-C		120V	60W rapid start high output F48T12/HO recessed double contact 800MA	
HFX-800-43	HFX-800-43-C		277V		
HFX-1500-13	HFX-1500-13-C		120V	110w rapid start VHO F48T12/VHO recessed double contact 1500MA	
HFX-1500-43	HFX-1500-43-C		277V		
HFX-265-14		3/4"	120V	32W T8 electronic ballast 265MA	Four Lamp④
HFX-265-44			277V		
HFX-430-14			120V	40W rapid start electronic F40T12 medium Bi-Pin 430MA	
HFX-430-44			277V		
HFX-800-14			120V	60W rapid start high output F48T12/HO recessed double contact 800MA	
HFX-800-44			277V		
HFX-1500-14			120V	110W rapid start VHO F48T12/VHO recessed double contact 1500MA	
HFX-1500-44			277V		

① *Standard ballasts starting temperatures:*
32 Watt (265MA) Electronic 0°F
40 Watt (430MA) Electronic 50°F, 60°F with 34 Watt lamps
60 Watt (800MA) Electronic -20°F
110 Watt (1500MA) Electronic -20°F

*Optional cold weather electromagnetic ballast (0°F starting 40 Watt 430MA) add suffix **CW** to catalog number.*

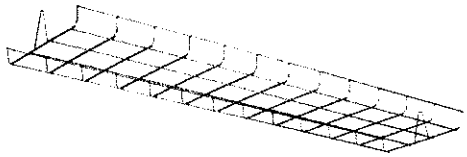
② *Optional UL listed in-line ballast fusing is available by adding suffix **FB** to catalog number (UL only).*

③ *For Canadian version of 2 & 3 lamp fixtures, includes factory poured seal per Canadian installation code. Not required for 4-lamp fixtures (separate ballast and wiring chambers). Available only from Hubbell Canada or its authorized distributors.*

④ *Safety chain accessory catalog number **HFX-SC** available, supplied standard with 4 lamp fixtures.*

WIRE GUARD

CATALOG NUMBER	DESCRIPTION
2HFX-G4	2-Lamp 316 grade stainless steel
3HFX-G4	3-Lamp 316 grade stainless steel



4 lamp fixture requires two 2HFX-G4 guards.

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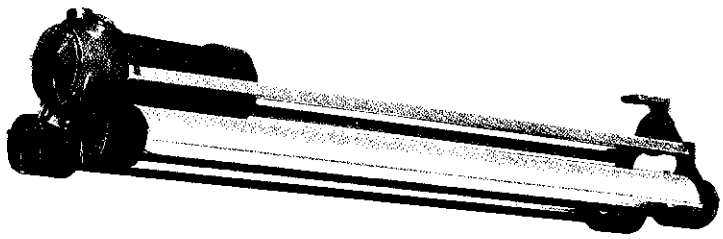

Class I, Div. 1 & 2 Groups C,D
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NEMA 3, 4X, 7(C,D) 9(E,F,G)
Suitable for wet locations
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UL Listed - File E12976 and E89665 (Marine)

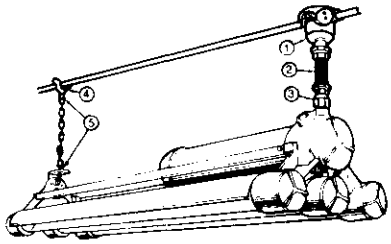
CSA Certified - File LR11713

HFX BALLAST DATA

CATALOG NUMBER	NO. OF LAMPS	VOLTAGE	LINE CURRENT AMPS	INPUT WATTS	STARTING TEMPERATURE
32 WATT T-8 ELECTRONIC 48" 265MA					
HFX-265-12	2	120	.62	71	0°F (-18°C)
HFX-265-42	2	277	.27	71	0°F (-18°C)
HFX-265-13①	3	120	.75	88	0°F (-18°C)
HFX-265-43①	3	277	.32	88	0°F (-18°C)
HFX-265-14	4	120	1.24	142	0°F (-18°C)
HFX-265-44	4	277	.54	142	0°F (-18°C)
40 WATT RAPID START ELECTRONIC T-12 MEDIUM BI-PIN 48" 430MA③					
HFX-430-12	2	120	.51②	60	60°F (16°C)
HFX-430-42	2	277	.22②	60	60°F (16°C)
HFX-430-13	3	120	.69②	91	60°F (16°C)
HFX-430-43	3	277	.30②	91	60°F (16°C)
HFX-430-14	4	120	1.02②	120	60°F (16°C)
HFX-430-44	4	277	.44②	120	60°F (16°C)
HFX-430-12-CW	2	120	.75	90	0°F (-18°C)
HFX-430-42-CW	2	277	.33	90	0°F (-18°C)
HFX-430-13-CW	3	120	1.21	143	0°F (-18°C)
HFX-430-43-CW	3	277	.53	143	0°F (-18°C)
HFX-430-14-CW	4	120	1.50	180	0°F (-18°C)
HFX-430-44-CW	4	277	.66	180	0°F (-18°C)
60 WATT RAPID START HIGH OUTPUT T-12 RECESSED DOUBLE CONTACT 48" 800MA					
HFX-800-12	2	120	1.40	135	-20°F (-29°C)
HFX-800-42	2	277	.61	145	-20°F (-29°C)
HFX-800-13	3	120	2.40	260	-20°F (-29°C)
HFX-800-43	3	277	1.03	235	-20°F (-29°C)
HFX-800-14	4	120	2.80	270	-20°F (-29°C)
HFX-800-44	4	277	1.22	290	-20°F (-29°C)
110 WATT RAPID START VERY HIGH OUTPUT T-12 RECESSED DOUBLE CONTACT 48" 1500MA					
HFX-1500-12	2	120	2.10	242	-20°F (-29°C)
HFX-1500-42	2	277	.92	242	-20°F (-29°C)
HFX-1500-13	3	120	3.38	376	-20°F (-29°C)
HFX-1500-43	3	277	1.48	377	-20°F (-29°C)
HFX-1500-14	4	120	4.20	484	-20°F (-29°C)
HFX-1500-44	4	277	1.84	484	-20°F (-29°C)

① *T8 3 lamp fixtures use a single ballast.*
② *Line current using 34 Watt lamps. Start temperature for 40 Watt lamps 50°F (10°C). 40 Watt lamps current approximately 24% higher.*
③ *430MA "CW" cold weather ballasts are electromagnetic.*

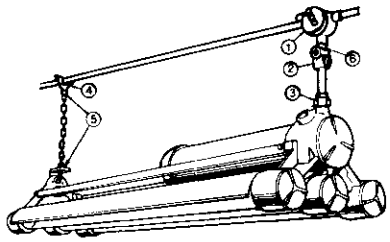
Typical installation using conduit hardware.



Dummy (non-powered) end lowers for relamping clearance, which is required when fixtures are mounted in close proximity. Flexible mounting provides free swing and impact protection.

1. Splice Box/Fixture Hanger (HXB)
2. Flexible Pendant Hanger (EKJ)
3. Union (GUM)
4. Rigid Support Saddle Bracket (KFHS)
5. Support Hook (KEFHM)

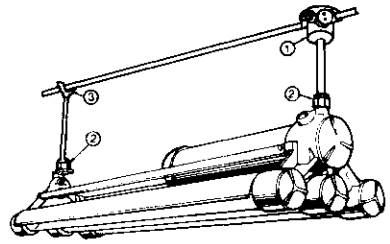
Note: Leave extra links to support fixture in relamping position. Chain furnished by others.



Dummy (non-powered) end lowers for relamping clearance, which is required when fixtures are mounted in close proximity.

1. Splice Box/Fixture Hanger (XFH)
2. Swivel Hanger (KESD)
3. Union (GUM)
4. Rigid Support Saddle Bracket (KFHS)
5. Support Hook (KEFHM)

Note: Leave extra links to support fixture in relamping position. Chain furnished by others.



Rigid mounted—for installations where relamping can be accomplished without lowering dummy end.

1. Splice Box/Fixture Hanger (HXB)
2. Union (GUM)
3. Rigid Support Saddle Bracket (KHFS)

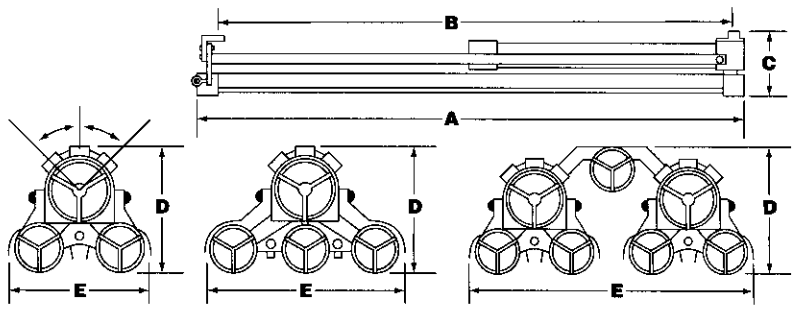
For wall mounting, use securely fastened 3/4" pipe 6" or less in length. Floor flange (furnished by others) recommended for dummy end as well as chain or cable providing vertical strain relief from above fixture. Chain furnished by others.

MOUNTING HARDWARE

CATALOG NUMBER	HUB SIZE	LENGTH	DESCRIPTION
HXB-12	1/2"	—	**HXB SERIES** Splice Box/ 3/4" Fixture Hanger
HXB-22	3/4"	—	
EKJ-24	3/4"	4	**EKJ SERIES** Flexible Pendant Hanger
EKJ-26	3/4"	6	
EKJ-28	3/4"	8	
EKJ-210	3/4"	10	
EKJ-212	3/4"	12	
EKJ-215	3/4"	15	
EKJ-218	3/4"	18	
GUM-2	3/4"		**GU SERIES** Male Union

MOUNTING HARDWARE

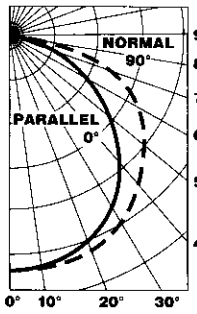
CATALOG NUMBER	HUB SIZE	DESCRIPTION
XFH-22	3/4"	**XFH SERIES** Splice box/fixture hanger
KESD-75	3/4"	**KESD SERIES** Swivel Hanger 15° swivel drop from center and full 360° free swing
KFHS-5075	3/4"	**KFHS5075 SERIES** Rigid support saddle bracket for fluorescent fixtures (dummy end) Will support 350 lbs. and straddle Max. 1-1/4" conduit
KEFHM-75	3/4"	**KEFHM SERIES** Safety support hook with 3/4" male end For dummy end of fixture Will support 200 lbs. screw closed 3/8" jaw opening
HFX-SC	—	**HFX SERIES** Safety chain (36" length), standard on 4-lamp fixture



HFX DIMENSIONS

HFX ANGLE	CONDUIT SIZE	DIMENSIONS					NET WEIGHT
		A	B	C	D	E	
2-Lamp	3/4-14 NPT	52-13/16" (1367)	48-3/8" (1229)	9-3/32" (231)	9-3/32" (231)	11" (279)	47.7 Lbs.
3-Lamp	3/4-14 NPT	52-13/16" (1367)	48-3/8" (1229)	9-3/32" (231)	9-3/32" (231)	15-5/8" (397)	63.0 Lbs.
4-Lamp	3/4-14 NPT	52-13/16" (1367)	48-3/8" (1229)	9-3/32" (231)	10-1/8" (257)	23" (584)	99.9 Lbs.

HFX SERIES • LIGHTING
PHOTOMETRIC DATA/CANDLEPOWER DISTRIBUTION



Total Bare Lamp Lumens 6400

All data provided is for F40T12RS/WW lamps 40W rapid start warm white. For Candlepower/Lumen multipliers of other lamps use the following:

32W T8 (2850 lumen lamp) .89

34W T12 (2700 lumen lamp) .84

60W F48T12/WW/HO Warm White High Output 1.35

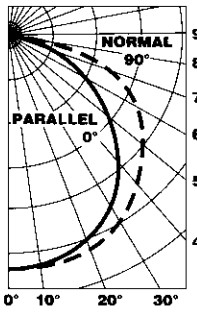
110W F48T12/WW/VHO Warm White Very High Output 1.97

ZONAL LUMENS

ZONE	LUMENS
0-30	1076
0-40	1769
0-60	3194
0-90	4189

CANDLEPOWER 2-40/T12 RAPID START

VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0.0	1325.	1325.	1325.	1325.	1325.	—
5.0	1359.	1366.	1366.	1369.	1365.	130
10.0	1313.	1321.	1328.	1338.	1325.	—
15.0	1309.	1315.	1323.	1333.	1333.	375
20.0	1288.	1302.	1318.	1331.	1333.	—
25.0	1196.	1213.	1238.	1252.	1259.	571
30.0	1147.	1169.	1198.	1229.	1236.	—
35.0	1037.	1065.	1104.	1145.	1160.	693
40.0	961.	1000.	1047.	1105.	1126.	—
45.0	819.	857.	921.	990.	1019.	714
50.0	737.	784.	867.	950.	982.	—
55.0	634.	690.	796.	899.	937.	711
60.0	518.	584.	711.	821.	836.	—
65.0	412.	498.	645.	693.	699.	594
70.0	263.	363.	465.	485.	487.	—
75.0	172.	281.	326.	339.	343.	318
80.0	80.	168.	189.	215.	223.	—
85.0	25.	75.	89.	89.	84.	84
90.0	6.	11.	14.	20.	22.	—



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34W T12 (2700 lumen lamp) .84

60W F48T12/WW/HO Warm White High Output 1.35

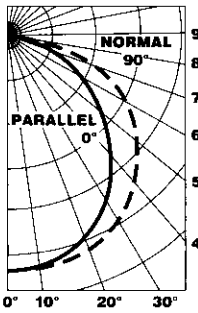
110W F48T12/WW/VHO Warm White Very High Output 1.97

ZONAL LUMENS

ZONE	LUMENS
0-30	1583
0-40	2613
0-60	4743
0-90	6194

CANDLEPOWER 3-40/T12 RAPID START

VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0.0	1971.	1971.	1971.	1971.	1971.	—
5.0	1988.	1985.	1987.	1994.	1990.	190
10.0	1946.	1949.	1953.	1960.	1962.	—
15.0	1929.	1934.	1944.	1959.	1963.	552
20.0	1897.	1907.	1926.	1947.	1961.	—
25.0	1773.	1788.	1817.	1850.	1866.	842
30.0	1688.	1713.	1758.	1802.	1819.	—
35.0	1551.	1580.	1640.	1701.	1722.	1030
40.0	1427.	1467.	1545.	1626.	1661.	—
45.0	1232.	1281.	1376.	1487.	1528.	1070
50.0	1101.	1159.	1284.	1417.	1463.	—
55.0	952.	1027.	1188.	1340.	1395.	1061
60.0	780.	871.	1068.	1233.	1254.	—
65.0	620.	735.	961.	1042.	1049.	887
70.0	403.	540.	706.	739.	742.	—
75.0	247.	414.	486.	512.	520.	475
80.0	120.	253.	290.	323.	323.	—
85.0	30.	93.	92.	84.	81.	89
90.0	3.	9.	12.	19.	19.	—



Total Bare Lamp Lumens 12800

All data provided is for F40T12RS/WW lamps 40W rapid start warm white. For Candlepower/Lumen multipliers of other lamps use the following:

32W T8 (2850 lumen lamp) .89

34W T12 (2700 lumen lamp) .84

60W F48T12/WW/HO Warm White High Output 1.35

110W F48T12/WW/VHO Warm White Very High Output 1.97

ZONAL LUMENS

ZONE	LUMENS
0-30	2152
0-40	3538
0-60	6388
0-90	8379

CANDLEPOWER 2-40/T12 RAPID START

VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0.0	2650.	2650.	2650.	2650.	2650.	—
5.0	2718.	2733.	2733.	2738.	2730.	261
10.0	2627.	2641.	2656.	2677.	2650.	—
15.0	2617.	2630.	2646.	2665.	2665.	750
20.0	2577.	2604.	2635.	2663.	2666.	—
25.0	2393.	2427.	2476.	2504.	2518.	1141
30.0	2294.	2338.	2396.	2458.	2472.	—
35.0	2074.	2131.	2207.	2290.	2321.	1386
40.0	1922.	2000.	2095.	2209.	2252.	—
45.0	1637.	1713.	1843.	1980.	2037.	1427
50.0	1474.	1567.	1734.	1901.	1963.	—
55.0	1269.	1381.	1592.	1798.	1874.	1422
60.0	1035.	1168.	1422.	1643.	1672.	—
65.0	823.	997.	1291.	1386.	1398.	1187
70.0	526.	726.	929.	970.	973.	—
75.0	343.	562.	652.	678.	686.	636
80.0	159.	336.	378.	431.	446.	—
85.0	50.	149.	177.	177.	168.	167
90.0	13.	22.	28.	41.	44.	—

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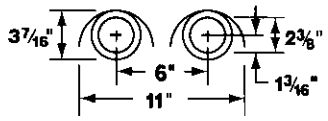
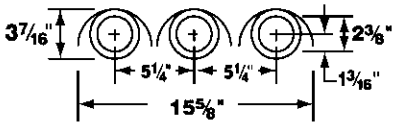


HFX-430-12
Lamp Type F40T12RS/WW
2 – 48" 40 Watt 3200 Lumen
Warm White Lamps

2 LAMP

% EFFECTIVE CEILING CAVITY REFLECTANCE	rcc	20% EFFECTIVE FLOOR CAVITY REFLECTANCE																	
		.80				.70				.50			.30			.10			.00
% WALL REFLECTANCE	rw	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00
ROOM CAVITY RATIOS	0	.78	.78	.78	.78	.76	.76	.76	.76	.73	.73	.73	.70	.70	.70	.67	.67	.67	.65
	1	.71	.68	.66	.63	.70	.67	.64	.62	.64	.62	.60	.62	.60	.58	.59	.58	.57	.55
	2	.65	.60	.56	.52	.63	.59	.55	.51	.56	.53	.50	.54	.51	.49	.52	.50	.48	.46
	3	.60	.53	.48	.43	.58	.52	.47	.43	.50	.46	.42	.48	.45	.42	.46	.43	.41	.39
	4	.54	.47	.41	.37	.53	.46	.41	.36	.44	.40	.36	.43	.39	.35	.41	.38	.35	.34
	5	.50	.41	.35	.31	.48	.40	.35	.31	.39	.34	.30	.38	.33	.30	.36	.33	.30	.28
	6	.45	.37	.31	.26	.44	.36	.30	.26	.35	.30	.26	.34	.29	.26	.33	.29	.26	.24
	7	.42	.33	.27	.23	.41	.32	.27	.23	.31	.26	.23	.30	.26	.22	.29	.25	.22	.21
	8	.38	.29	.24	.20	.37	.29	.33	.20	.28	.23	.20	.27	.23	.19	.26	.22	.19	.18
	9	.35	.26	.21	.17	.34	.26	.21	.21	.17	.25	.20	.17	.24	.20	.17	.24	.20	.17
	10	.33	.24	.19	.15	.32	.24	.18	.15	.23	.18	.15	.22	.18	.15	.22	.18	.15	.14

Spacing Criteria: End = 1.3 Diagonal = 1.3 Cross = 1.4

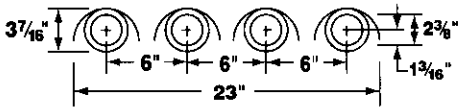


HFX-430-13
Lamp Type F40T12RS/WW
3 – 48" 40 Watt 3200 Lumen
Warm White Lamps

3 LAMP

% EFFECTIVE CEILING CAVITY REFLECTANCE	rcc	20% EFFECTIVE FLOOR CAVITY REFLECTANCE																	
		.80				.70				.50			.30			.10			.00
% WALL REFLECTANCE	rw	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00
ROOM CAVITY RATIOS	0	.77	.77	.77	.77	.75	.75	.75	.75	.72	.72	.72	.69	.69	.69	.66	.66	.66	.65
	1	.71	.68	.65	.63	.69	.66	.64	.62	.63	.61	.60	.61	.59	.58	.59	.57	.56	.55
	2	.64	.59	.55	.51	.63	.58	.54	.51	.56	.52	.49	.54	.51	.48	.52	.49	.47	.46
	3	.59	.52	.47	.43	.57	.51	.46	.43	.49	.45	.42	.47	.44	.41	.46	.43	.40	.39
	4	.54	.46	.41	.36	.52	.45	.40	.36	.44	.39	.36	.42	.38	.35	.41	.37	.35	.33
	5	.49	.41	.35	.30	.47	.40	.34	.30	.38	.34	.30	.37	.33	.30	.36	.32	.29	.28
	6	.45	.36	.30	.26	.44	.36	.30	.26	.34	.29	.26	.33	.29	.26	.32	.28	.25	.24
	7	.41	.32	.27	.23	.40	.32	.26	.23	.31	.26	.22	.30	.25	.22	.29	.25	.22	.21
	8	.38	.29	.23	.19	.37	.28	.23	.19	.28	.23	.19	.27	.22	.19	.26	.22	.19	.18
	9	.35	.26	.20	.17	.34	.26	.20	.17	.25	.20	.17	.24	.20	.17	.23	.19	.16	.15
	10	.32	.24	.18	.15	.32	.23	.18	.15	.23	.18	.15	.22	.18	.15	.21	.17	.14	.13

Spacing Criteria: End = 1.3 Diagonal = 1.3 Cross = 1.4



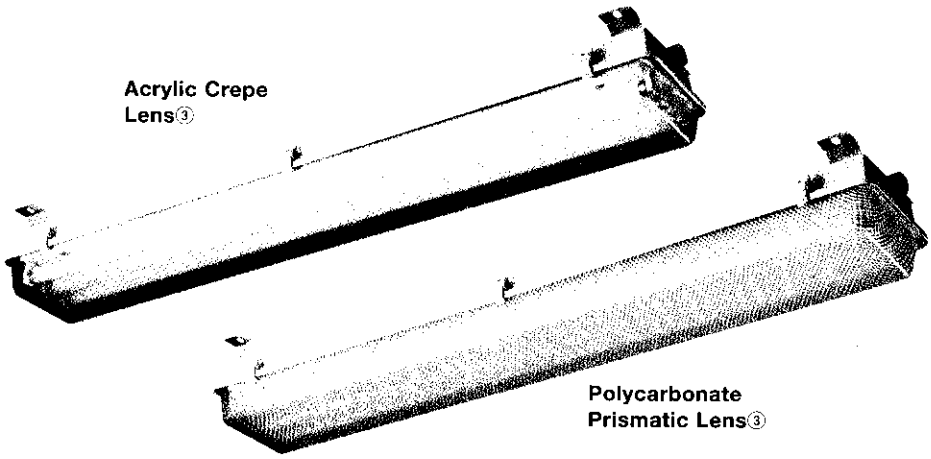
HFX-430-14
Lamp Type F40T12RS/WW
4 – 48" 40 Watt 3200 Lumen
Warm White Lamps

4 LAMP

% EFFECTIVE CEILING CAVITY REFLECTANCE	rcc	20% EFFECTIVE FLOOR CAVITY REFLECTANCE																	
		.80				.70				.50			.30			.10			.00
% WALL REFLECTANCE	rw	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00
ROOM CAVITY RATIOS	0	.78	.78	.78	.78	.76	.76	.76	.76	.73	.73	.73	.70	.70	.70	.67	.67	.67	.65
	1	.71	.68	.66	.63	.70	.67	.64	.62	.64	.62	.60	.62	.60	.58	.59	.58	.57	.55
	2	.65	.60	.56	.52	.63	.59	.55	.51	.56	.53	.50	.54	.51	.49	.52	.50	.48	.46
	3	.60	.53	.48	.43	.58	.52	.47	.43	.50	.46	.42	.48	.45	.42	.46	.43	.41	.39
	4	.54	.47	.41	.37	.53	.46	.41	.36	.44	.40	.36	.43	.39	.35	.41	.38	.35	.34
	5	.50	.41	.35	.31	.48	.40	.35	.31	.39	.34	.30	.38	.33	.30	.36	.33	.30	.28
	6	.45	.37	.31	.26	.44	.36	.30	.26	.35	.30	.26	.34	.29	.26	.33	.29	.26	.24
	7	.42	.33	.27	.23	.41	.32	.27	.23	.31	.26	.23	.30	.26	.22	.29	.25	.22	.21
	8	.38	.29	.24	.20	.37	.29	.23	.20	.28	.23	.20	.27	.23	.19	.26	.22	.19	.18
	9	.35	.26	.21	.17	.34	.26	.21	.17	.25	.20	.17	.24	.20	.17	24	.20	17	.15
	10	.33	.24	.19	.15	.32	.24	.18	.15	.23	.18	.15	.22	.18	.15	.22	.18	.15	.14

Spacing Criteria: End = 1.3 Diagonal = 1.3 Cross = 1.4

NWL SERIES • WET LOCATION FLUORESCENT LIGHTING
NHL SERIES • HAZARDOUS LOCATION FLUORESCENT LIGHTING



NWL
Wet Locations
IP65

NHL
Class I Div. 2 A,B,C,D
Class I Zone 2 IIC, IIB, IIA
Class II Div. 2 F,G
Wet Locations
IP65

ABS "Indoor Drip-Proof"

FEATURES-SPECIFICATIONS

LINEAR*LITE*™

Applications
LINEAR*LITE*™ Non-Metallic Wet Location Fluorescent fixtures are suitable for locations where enclosed and gasketed fixtures are required because of exposure to moisture, dust, and corrosives. Applications include food processing, meat - poultry plants, car washes, tunnels, warehouses and waste water & sewage treatment facilities. NHL Series additionally can be used where exposed to Division 2 hazardous vapors or dusts as defined by the NEC.

Features
- Wet Location Suitability
- 2 - 3/4" NPT stainless steel hubs - one each end
- Housing - one piece fiberglass reinforced polyester, corrosion resistant
- Lens - Impact Resistant Acrylic Crepe (standard) or Polycarbonate Prismatic
- Suitability up to 50°C ambient - see chart page L115
- Rust-free heavy duty Celcon (tm Hoechst Celanese) acetal plastic latches

Options
- Fused ballasts, suffix **F1** for 120V, **F4** for 277V
- Battery Backup for single 32 to 86 watt lamp only, suffix **BB** (see note⑤ page L115 for more information)
- Stainless Steel Latch, suffix **SS**

Compliances
NWL & NHL Series
Wet Locations, IP65
ABS (American Bureau of Shipping) Type approval, "Indoor Drip-Proof"

NHL Series
Class I Div. 2, A,B,C,D
Class I Zone 2 IIC, IIB, IIA
Class II Div. 2, E,F,G

NWL WET LOCATION/NHL HAZARDOUS LOCATION FLUORESCENT

NUMBER OF LAMP/WATTS	VOLTAGE AC 60HZ①	DESCRIPTION	CATALOG NUMBER②	
			NWL WET LOCATION	NHL HAZARDOUS LOCATION
2 - 17W	120 277	2' 2-lamp T-8 Electronic 50°F Start Medium Bi-Pin	**NWL2173ACB1** **NWL2173ACB4**	**NHL2173ACB1** **NHL2173ACB4**
2 - 20W	120 277	2' 2-lamp T-12 Energy Saving 50°F Start Medium Bi-Pin	**NWL2203ACE1** **NWL2203ACE4**	**NHL2203ACE1** **NHL2203ACE4**
2 - 28W	120 277	4' 2-lamp T-5 Electronic 0°F Start Miniature Bi-Pin	**NWL2283ACD1** **NWL2283ACD4**	**NHL2283ACD1** **NHL2283ACD4**
3 - 28W	120 277	4' 3-lamp T-5 Electronic 0°F Start Miniature Bi-Pin	**NWL3283ACD1** **NWL3283ACD4**	**NHL3283ACD1** **NHL3283ACD4**
4 - 28W	120 277	4' 4-lamp T-5 Electronic 0°F Start Miniature Bi-Pin	**NWL4283ACD1** **NWL4283ACD4**	**NHL4283ACD1** **NHL4283ACD4**
2 - 32W	120 277	4' 2-lamp T-8 Electronic 0°F Start Medium Bi-Pin	**NWL2323ACT1** **NWL2323ACT4**	**NHL2323ACT1** **NHL2323ACT4**
3 - 32W	120 277	4' 3-lamp T-8 Electronic 0°F Start Medium Bi-Pin	**NWL3323ACT1** **NWL3323ACT4**	**NHL3323ACT1** **NHL3323ACT4**
2 - 34W	120 277	4' 2-lamp T-12 Electronic 60°F Start Medium Bi-Pin (50° Start With 40Watt Lamps)	**NWL2343ACA1** **NWL2343ACA4**	**NHL2343ACA1** **NHL2343ACA4**
2 - 44W	120 277	4' 2-lamp T-8 Electronic 50°F Start High Output Recessed Double Contact	**NWL2443ACT1** **NWL2443ACT4**	**NHL2443ACT1** **NHL2443ACT4**
2 - 60W	120 277	4' 2-lamp T-12 Electronic 50°F Start High Output Recessed Double Contact	**NWL2603ACA1** **NWL2603ACA4**	**NHL2603ACA1** **NHL2603ACA4**
2 - 59W	120 277	8' 2-lamp T-8 Electronic -20°F Start Single Pin	**NWL2593ACH1** **NWL2593ACH4**	**NHL2593ACH1** **NHL2593ACH4**
2 - 86W	120 277	8' 2-lamp T-8 Electronic -20°F Start High Output Recessed Double Contact	**NWL2863ACH1** **NWL2863ACH4**	**NHL2863ACH1** **NHL2863ACH4**

① Consult Factory for other available voltages.
② Standard lens is Acrylic Crepe, change AC to PP for Polycarbonate Prismatic Lens.
③ Fixtures shown with included TBS accessory mounting brackets. See Page L115 for other available styles.

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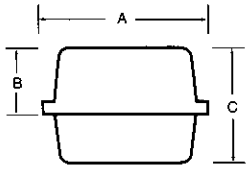
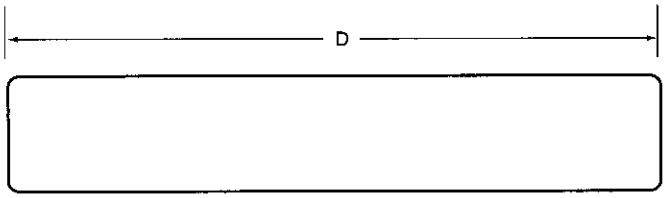
See next page for accessories, ambient temperature ratings and hazardous location suitabilities.

LINEARLITE™

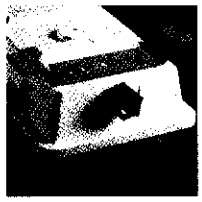
Dimensions

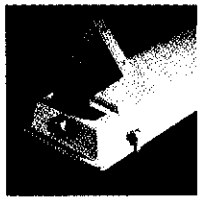


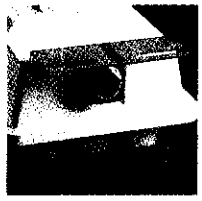


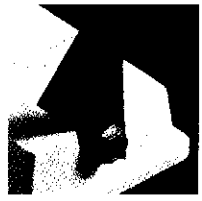
DIMENSIONS				
LENGTH	A	B	C	D
2'	6.63"	3.13"	4.88"	25.88"
4'/8'	7.38"	2.98"	5.18"	49.95"/97.75"

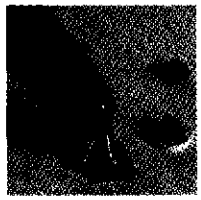
Accessories

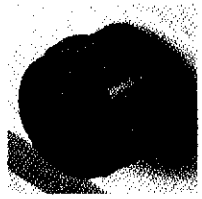

TBS Mounting Kit

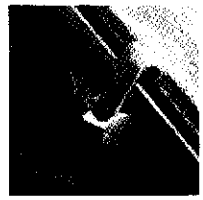

TBA Angle Kit


EBU13


EBA13


NWL Switch/LED⑤


Breather⑤


Celcon™ Latches

ACCESSORIES - MOUNTING BRACKETS④	
CATALOG NUMBER	DESCRIPTION
TBS2*	Top bracket surface mount kit. 2', 4' (3/8" bolt dia.)
TBS3*	Top bracket surface mount kit. 8' (3/8" bolt dia.)
TBA2	Top bracket wall/angle kit. 2', 4' (3/8" bolt dia.)
TBA3	Top bracket wall/angle kit. 8' (3/8" bolt dia.)
EBU13	End bracket universal surface mount kit (1/4" bolt dia.) for U-bolt, anchor bolt, lag bolt
EBA13	End bracket wall/angle surface mount kit (3/16" bolt dia.)

TBS brackets included as standard.

NWL AND NHL AMBIENT & SUPPLY WIRE DATA					NHL HAZARDOUS LOCATION APPLICATION DATA②③	
NUMBER OF LAMPS	WATTAGE	AMBIENT SUITABILITY①	SUPPLY WIRE MINIMUM	IP65-WET LOCATION	CLASS I, DIV. 2 GROUPS A,B,C,D	CLASS II, DIV. 2 GROUPS E,F,G
2	17	25°C	90°C	Y		
2	20	25°C	90°C	Y		
2	28	40°C	75°C	Y		
3	28	40°C	75°C	Y		
4	28	40°C	75°C	Y		
2	32	50°C	90°C	Y		
3	32	35°C	90°C	Y		
2	34	35°C	75°C	Y		
2	44	40°C	90°C	Y		
2	60	25°C	75°C	Y		
2	59	40°C	90°C	Y		
2	86	40°C	90°C	Y		

①Ambient reflects fixture and component maximum environment operation temperature.
②T-Code temperatures for hazardous locations measured at or above testing lab minimum of 40°C.
③Consult factory for NHL series availability and temperature codes.
④TBS/TBA brackets are 304 stainless steel and include attachment-to-fixture screws; EBA/EBU brackets. are galvanized steel and attach to fixture via conduit hubs. EBU brackets can be used with 1/4" diameter U-bolts (FBO) for suspension mounting. Hardware to attach to walls or ceilings not included.
⑤Battery backup notes:
- *Batteries operate a single lamp for 90 minutes at reduced lumen level.*
- ***NWL** and **NHL** furnished with a wet location suitable breather (Div. 2 rated for NHL).*
- ***NWL** units have an internal LED charging indicator and test switch. Cover must be opened for testing.*
- ***NHL** units have an internal LED changing unit indicator and will be furnished with a hazardous location test station for remote mounting similar to the unit shown on page L138.*

L

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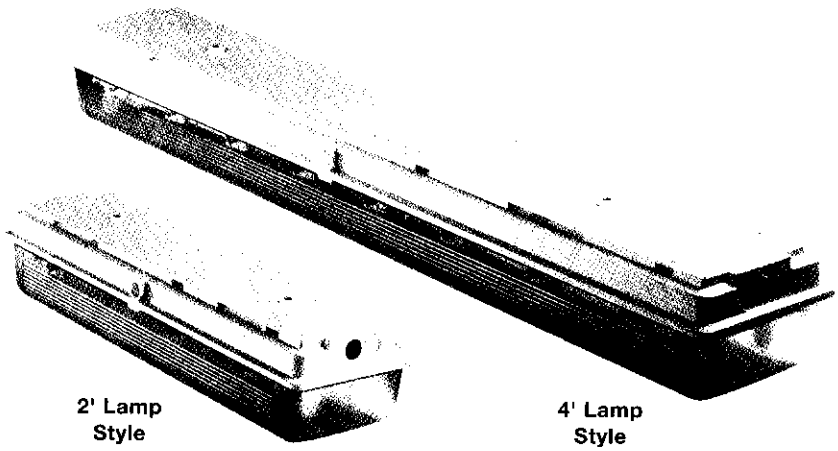


2' Lamp Style

4' Lamp Style

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
Enclosure Type 3, 4, 4X, IP66

FM APPROVED File J.I.3D2A9.AE

CSA Pending

FEATURES-SPECIFICATIONS

LINEARLITE™

Applications

Hazardous and corrosive environments where reliability and rugged performance are critical.

Features

- Housing constructed of heavy-duty fiber reinforced polyester (FRP) with a single piece, low glare polycarbonate lens
- Single point latching mechanism
- Electronic ballast
- Fixture entry includes threaded openings with grounded backplates to accept 3/4"NPT hubs or cable fittings
- For use with T-8 medium Bi-Pin lamps

LINEARLITE™

Emergency Fixture

Additional Features

- Self-contained electronic emergency ballast with NiCad batteries
- LED charging indicator
- Set up for 1-lamp emergency operation (2-lamp operation is possible)

See parts and accessories on page L119.

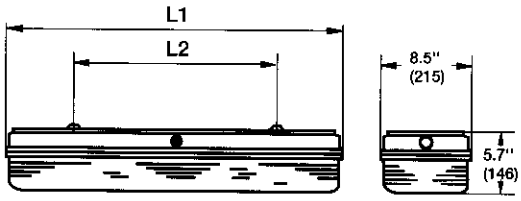
LLN SERIES FOR NORTH AMERICAN ZONE 2	
CATALOG NUMBER	**DESCRIPTION**
LLN23012FN	17 Watt 2-lamp fixture, 120VAC 60Hz, 3/4" feed-through wiring
LLN23042FN	17 Watt 2-lamp fixture, 277VAC 60Hz, 3/4" feed-through wiring
LLN26012FN	32 Watt 2-lamp fixture, 120VAC 60Hz, 3/4" feed-through wiring
LLN26042FN	32 Watt 2-lamp fixture, 277VAC 60Hz, 3/4" feed-through wiring

For additional voltage, consult factory.

LLNE SERIES BATTERY BACK-UP FOR NORTH AMERICAN ZONE 2	
CATALOG NUMBER	**DESCRIPTION**
LLNE23012FN	17 Watt Emergency 2-lamp fixture, 120VAC 60Hz, 3/4" NPT feed-through wiring
LLNE23042FN	17 Watt Emergency 2-lamp fixture, 277VAC 60Hz, 3/4" NPT feed-through wiring
LLNE26012FN	32 Watt Emergency 2-lamp fixture, 120VAC 60Hz, 3/4" NPT feed-through wiring
LLNE26042FN	32 Watt Emergency 2-lamp fixture, 277VAC 60Hz, 3/4" NPT feed-through wiring

For additional voltage, consult factory.

Dimensions



LLN,LLNE SERIES		
	17W	32W
L1	27.5"(700)	51.5"(1310)
L2	15.7"(400)	31.5"(800)

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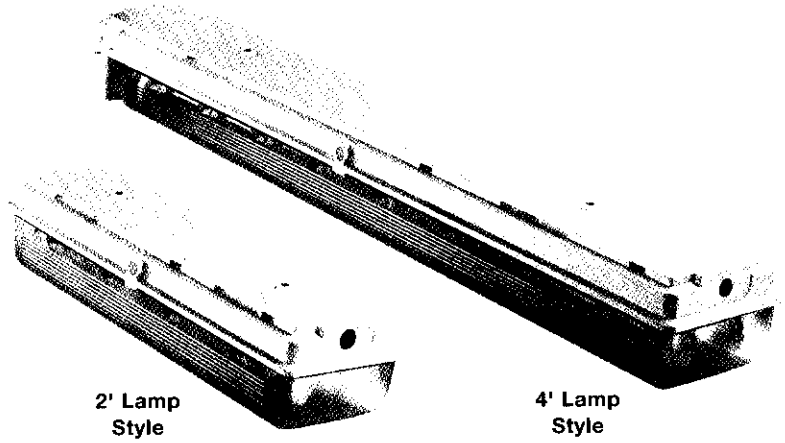


2' Lamp Style

4' Lamp Style

Class I, Div. 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
Enclosure Type 3, 4, 4X, IP66

FM APPROVED File J.I.3D2A9.AE

SP Pending

FEATURES-SPECIFICATIONS

LINEARLITE™

Applications

Hazardous and corrosive environments where reliability and rugged performance are critical.

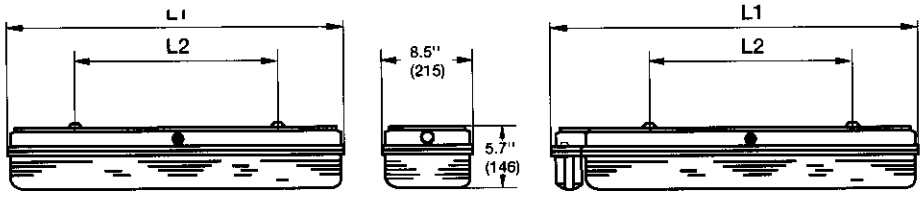
Features

- Housing constructed of heavy-duty fiber reinforced polyester (FRP) with a single piece, low glare polycarbonate lens
- Single point latching mechanism (which disconnects power) makes relamping safe and easy
- Electronic ballasts are encapsulated in a self-contained explosion protected enclosure with increased safety terminals
- Increased safety terminal blocks for easy wiring
- Fixture entry includes threaded openings with grounded backplates to accept 3/4" NPT hubs or cable fittings
- For use with T-8 medium Bi-Pin lamps

LLN SERIES FOR NORTH AMERICAN ZONES 1 & 2	
CATALOG NUMBER	**DESCRIPTION**
LLN13312FN	17 Watt 2-lamp fixture, 120VAC 50/60Hz, 125VDC, 3/4" feed-though wiring
LLN16312FN	32 Watt 2-lamp fixture, 120VAC 50/60Hz, 125VDC, 3/4" feed-though wiring

LLNE SERIES BATTERY BACKUP FOR NORTH AMERICAN ZONES 1 & 2	
CATALOG NUMBER	**DESCRIPTION**
LLNE13211FN	17 Watt, Auto/Manual Testing 1-lamp fixture, 120VAC 50/60Hz, 3/4" feed-though wiring
LLNE16212FN	32 Watt, Auto/Manual Testing 2-lamp fixture 120VAC 50/60Hz, 3/4" feed-through wiring

Dimensions



LLN SERIES		
	17W	**32W**
L1	27.5"(700)	51.5"(1310)
L2	15.7"(400)	31.5"(800)

LLNE SERIES		
	17W	**32W**
L1	30.8"(782)	54.8"(1392)
L2	15.7"(400)	31.5"(800)

LINEARLITE SMART-E™

Emergency Fixture

Additional Features

- Self-contained NiCad battery (in case of power failure) provides minimum 1-1/2 hours of emergency lighting
- New charging technology extends battery life to 5 or more years
- Self-testing/Self-diagnostic electronics with LED status display eliminates need for manual tests and record keeping. Unit performs weekly functional test and quarterly discharge test
- LED status of green indicates properly functioning unit. Red status alerts need for service
- One lamp emergency operation

See parts and accessories on page L119.

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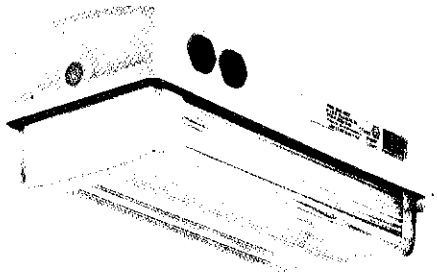


Fixture with Clear Lens

Fixture with EXIT Sign

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
CSA Enclosures 3, 4, 4X, IP66

Certified - File L.R. 99480.15
Other Certification Pending

FEATURES-SPECIFICATIONS

LINEARLITE™
COMPACT

Applications

Hazardous and corrosive environments where reliability and rugged performance are critical.

Ideal for exit sign applications.

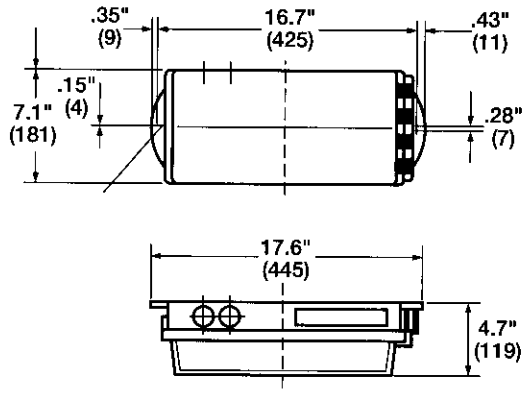
Features

- Housing constructed of heavy-duty fiber reinforced polyester (FRP) with a single piece, low glare polycarbonate lens
- Single point latching mechanism
- Fixture includes threaded opening to accept 3/4" NPT hub
- Clear lens supplied as standard
- Order exit signs separately from chart at right. Signs are adhesive foil type
- For use with F8T5 lamps

See parts and accessories on page L119.

LLC SERIES FOR NORTH AMERICAN ZONE 2	
CATALOG NUMBER	**DESCRIPTION**
LLC22312DN	2 x F8 T5 lamp fixture, 120V 50/60Hz; 125VDC, 3/4" NPT threaded entry

LLC SERIES EXIT SIGN DECALS			
CATALOG NUMBER	**ILLUSTRATION**	**SIGN COLOR**	**BACKGROUND**
LL-EXIT-80	EXIT	Red	White
LL-EXIT-81	◀EXIT	Red	White
LL-EXIT-82	EXIT▶	Red	White
LL-EXIT-83	◀EXIT▶	Red	White



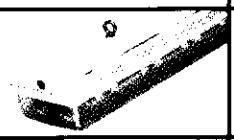
HUBBELL
KILLARK®

LINEARLITE™

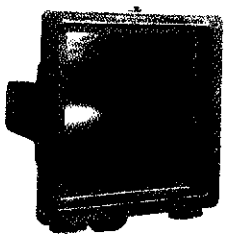
Applications
Hazardous and corrosive environments where reliability and rugged performance are critical.

Features
- A variety of fixture mounting methods, such as suspension and ceiling mounting, can be achieved using accessories shown here
- For pole mounting, technical assistance and photometrics, contact factory

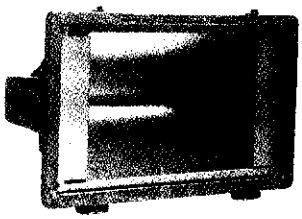
ACCESSORIES

CATALOG NUMBER	PRODUCT	DESCRIPTION
8198005400		**Socket Wrench,** 1/2"(13mm) to operate central lock
LL803900		**Ring Bolts,** 1 pair can directly be screwed into the fixture
LL807750		**Mounting Brackets,** 1 pair, adjustable, with suspension lugs
LL803750		**Ceiling Mounting Brackets,** 1 pair, adjustable
LL801260		**Stainless Steel Pipe Clamps,** 1 pair with adjustable mounting brackets for EMT 1-1/2" conduit
LL802260		EMT 2" conduit
LL802440		**90° Stainless Steel Wall-Mounting Brackets,** 1 pair
LL801440		**50° Stainless Steel Wall-Mounting Brackets,** 1 pair
HUBIG		**1/2" NPT, PVC Coated Gray Hub**
HUB2G		**3/4" NPT, PVC Coated Gray Hub**
MCX050		**1/2" NPT, Cable Fitting (Zone 1 fixture)** for MC-HL or ITC-HL cable
MCR050		**1/2" NPT, Cable Fitting (Zone 2 fixture)**
MCX075		**3/4" NPT, Cable Fitting (Zone 1 fixture)** for MC-HL or ITC-HL cable
MCR075		**3/4" NPT, Cable Fitting (Zone 2 fixture)**
NCS1		**1/2" NPT Sealing Ring** for MCX 050 cable fitting
NCS2		**3/4" NPT, Sealing Ring** for MCX 075 cable fitting

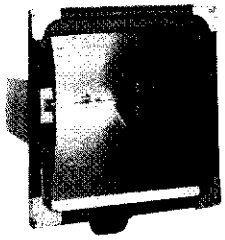
HUBBELL®
KILLARK®



QL-500K



QL-1505K



QM-500K

Listed - File E112274

Certified

FEATURES-SPECIFICATIONS

Applications

Provides maximum light output with low initial cost. Designed for instant turn-on and high illumination levels where H.I.D. costs are prohibitive. Used to illuminate construction sites, security areas, sports areas, sign lighting and other applications.

QL Series Features

- Tempered Glass Lens Assembly—Thermal shock-and impact-resistant glass lens mounted in a die cast aluminum door frame
- Cast Aluminum Housing—The cast aluminum body is designed with a specialized heat dissipating fin system for cooler operation
- Versatile Mounting—The standard unit has a 1/2 inch swivel knuckle with cast construction for strength and durability
- High Temperature Gasketing—A weathertight seal is provided by a high temperature silicone door gasket
- Exclusive Socket System—This two-piece, high temperature socket allows easy relamping and prevents socket from binding
- Reflector—Linear parabolic reflector system provides maximum light output and control

QM Series Features

- Factory Installed Lamp—Save on fixture installation with lamp installed and shipped in socket. Provides the right lamp and less packaging
- Cast Aluminum Housing—One-piece, die cast aluminum body is designed with specialized heat dissipating fins for cooler operation and long lamp life
- Tempered Glass Lens—Thermal shock, impact resistant glass lens held in place by (4) corrosion resistant retaining clips with stainless steel screws
- High Temperature Gasketing—A weathertight seal is provided by a high temperature silicone gasket attached to the housing. Four lens clips positively seal the lens to the gasket with consistent pressure to assure a weathertight seal
- Versatile Mounting—The standard unit has a 1/2 inch swivel knuckle with cast construction for strength and universal aiming

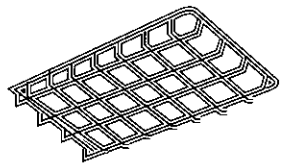
See photometric data for QL and QM Series fixtures on page L121.

QL QUARTZ FLOODLIGHTS				
CATALOG NUMBER	LAMP AND WATTAGE	BEAM SPREAD	WEIGHT	E.P.A. SQ. FT.
QL-500K①	300/500	Wide	4 Lbs. (1.8)	.53
QL-500K-WQ②	300/500	Wide	4 Lbs. (1.8)	.53
QL-1500K①	1000/1500	Wide	6 Lbs. (2.7)	.86
QL-1500K-WQ②	1000/1500	Wide	6 Lbs. (2.7)	.86

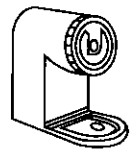
①*Lamps not included.*
②*Lamps supplied-shipped separately.*

QL ACCESSORIES (FIELD INSTALLED)		
SERIES	GUARD	CROSSARM TRUNNION BOX
QL-500K	QL-5G③	QL-TB③
QL-1505K	QL-15G	QL-TB

③ *May also be used with QM Series.*



Guard

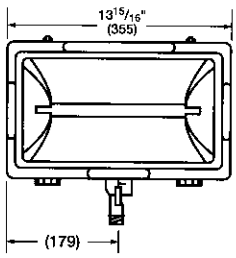


Trunnion Box

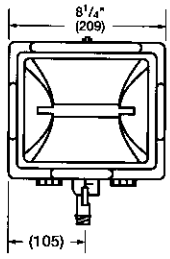
QM QUARTZ FLOODLIGHTS				
CATALOG NUMBER	WATTAGE	BEAM SPREAD H° X V°	WEIGHT	E.P.A. SQ. FT.
QM-500K④	500	6 (103°) x 5 (98°)	3.2 Lbs. (1.5)	.6

④ *Includes lamp mounted in fixture.*

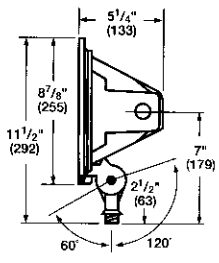
Dimensions



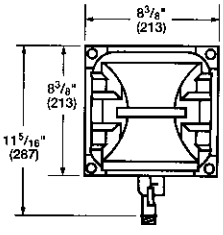
QL-1500 Watt



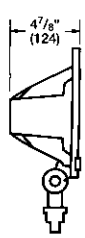
QL-500 Watt



QL-1500 and QL-500 Watt



QM-500 Watt



QM-500 Watt

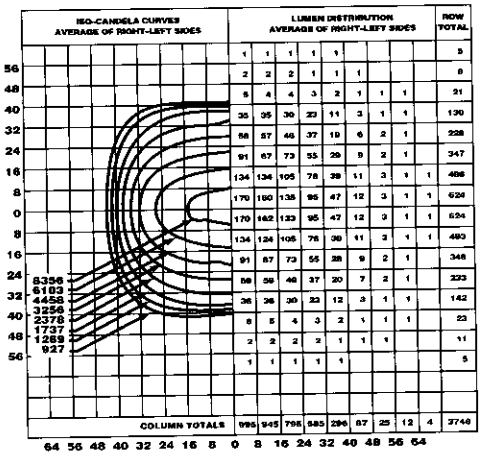
HUBBELL
KILLARK®

QL SERIES

QL-500K

Test No:	HP-00930
Source:	Incandescent
Lamp:	Q500T3/CL
Watts:	500
LCL:	—
Lumens:	10950

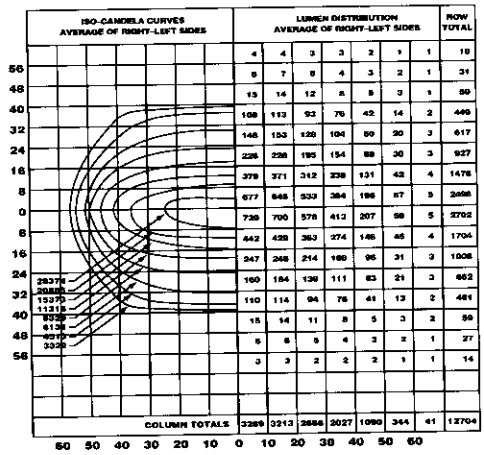
IES/NEMA Type:	5H X 5V
Beam Spread Horiz:	88°
Beam Spread Vert:	82°
Beam Efficiency:	65%
Beam Lumens:	7060
Max. Beam Candle:	9265
Avg. Max. Candle:	8356



QL-1505K

Test No:	HP-00854
Source:	Incandescent
Lamp:	Q1500T3/CL
Watts:	1500
LCL:	—
Lumens:	35800

IES/NEMA Type:	6H X 5V
Beam Spread Horiz:	115°
Beam Spread Vert:	78°
Beam Efficiency:	68%
Beam Lumens:	24306
Max. Beam Candle:	33219
Avg. Max. Candle:	28374

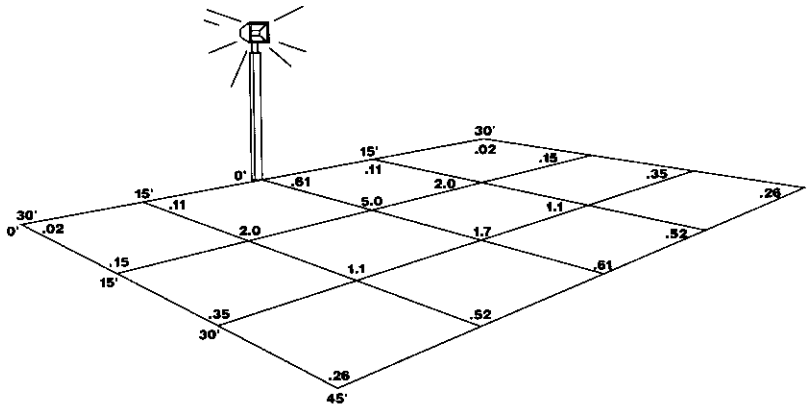


QM SERIES

500 Watt Tungsten Halogen

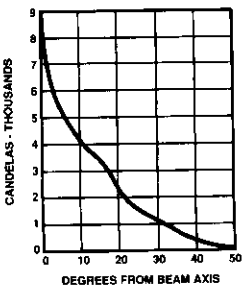
Footcandle Array Based on:

- 15' Mounting Height
- Aimed at 30° below horizontal
- Not to scale. All values are initial footcandles.
- Data calculated from Test No. HP-02305.

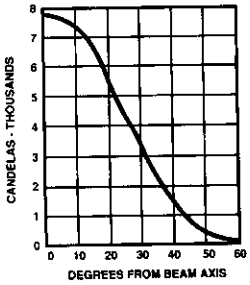


EM/DM SERIES

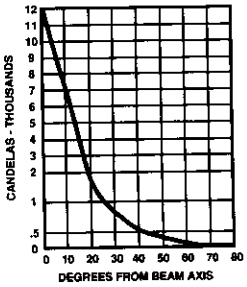
70 WATT HPS



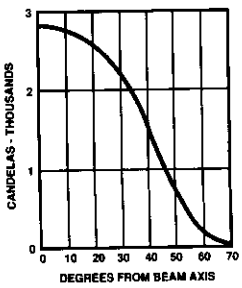
150 WATT HPS



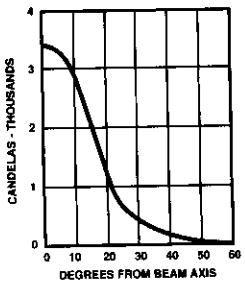
70 WATT MH



110 WATT INC

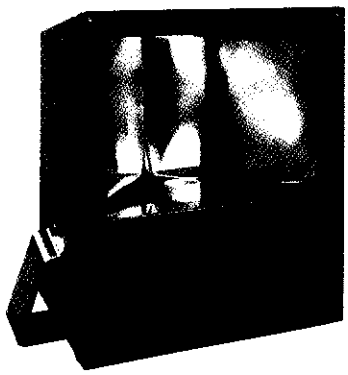


150 WATT INC



See page L127 for catalog data.

HUBBELL
KILLARK



Class I, Div. 2 Groups A,B,C,D ①②
Class I, Zone 2, Groups IIC,IIB,IIA

Listed - File E12976/E106427
Marine

ABS Type approval for shipboard use⑤

Suitable for wet locations

FEATURES-SPECIFICATIONS

Applications

KF series floodlights can be used in industrial installations where flammable gases or vapors may exist due to abnormal conditions resulting in the creation of a Class I, Div. 2 hazardous location as defined by the NEC. Also can be used where general corrosive atmospheric conditions exist such as ocean piers, marinas and costal areas.

Designed for heavy duty applications where long life and maintenance-free service are essential.

Features

- Rugged weathertight housing of copper-free aluminum with corrosion resistant bronze finish
- Wide beam distribution
- Thermal shock, impact-resistant lens
- Continuous silicone gasketing
- All external hardware is stainless steel
- Trunnion mounting-heavy gauge, hot dip galvanized steel mounting with stainless steel hardware
- Photometric data & accessories—see page L123

KF HID FLOODLIGHTS

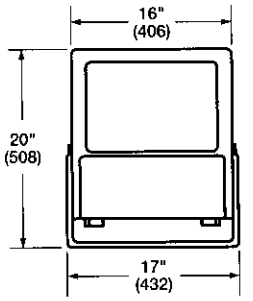
CATALOG NUMBER	LAMP AND WATTAGE	** VOLTS	BEAM SPREAD H° X V°
KFS150-76 KFS155-76	150 HPS	QUAD 480	7 (144°) X 6 (113°)
KFS250-76 KFS255-76	250 HPS	QUAD 480	7 (144°) X 6 (113°)
KFS400-76 KFS405-76	400 HPS	QUAD 480	7 (144°) X 6 (113°)
KFS1000-76 KFS1005-76	1000 HPS ②③	QUAD 480	7 (144°) X 6 (113°)
KFH250-76 KFH255-76	250 MH*	QUAD 480	7 (145°) X 6 (115°)
KFH400-76 KFH405-76	400 MH*	QUAD 480	7 (146°) X 6 (119°)
KFH1000-76 KFH1005-76	1000 MH ②④	QUAD 480	7 (144°) X 6 (113°)
K800-2918-0135	Replacement Lens and Door Assembly		

** Mercury lamps may be used if desired. Lamps not included.*
*** Consult factory for other available voltages.*
③ Use Phillips C1000S52/ED37 11-1/2" lamp.
④ Use 11-1/2" BT37 lamp available from GE, Venture or Phillips.
⑤ Not suitable for submersion or wave impact applications.

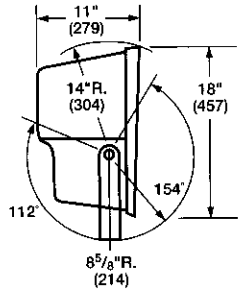
TEMPERATURE DATA

LAMP AND WATTAGE	CLASS I, DIV. 2①② MAX. LAMP TEMP. RATING °C	TEMP. CODE
HIGH PRESSURE SODIUM		
150	260	T2B
250	325	T1
400	350	T1
1000 ②	378	T1
METAL HALIDE		
250	325	T1
400	325	T1
1000 ②	442	T1
MERCURY		
250	350	T1
400	350	T1

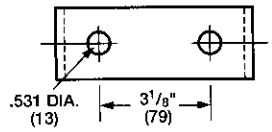
①150-400 watt lamp temperature data was obtained in 40°C ambient. UL listed for 25°C ambient operation.
②1000 watt fixture aiming angle limited to 45°-135° (no straight up or down). 1000 watt fixtures are rated and listed for 40° ambient.



Front

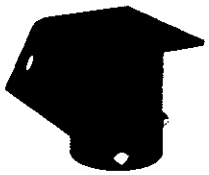


Side



Trunnion Mounting Detail

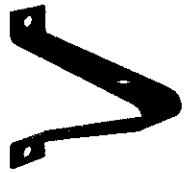
HUBBELL
KILLARK®

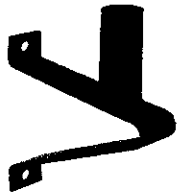

KFS-6

KFS-67

KFCB

KFWB


K4040

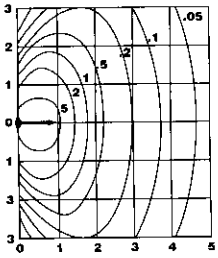

4041

FEATURES-SPECIFICATIONS

KF MOUNTING ACCESSORIES①	
CATALOG NUMBER	DESCRIPTION
KFS-6	Steel slipfitter for 2" pipe (2-3/8" o.d.) tenon
KFS-67	Heavy duty cast aluminum slipfitter for 2" pipe (2-3/8" o.d.) and 2-1/2" pipe (2-7/8" o.d.) tenon
KFCB	Heavy duty cast-iron crossarm fitting for horizontal trunnion
KFWB	Heavy duty wall mount and/or pipe clamp fitting Clamps 2" pipe (2-3/8" o.d.) thru 2-1/2" pipe (2-7/8" o.d.)
K4040	Heavy duty steel wall/pole bracket. (Must use with **KFCB** crossarm fitting)
4041	Heavy duty steel wall/pole bracket 2" pipe (2-3/8" o.d.) tenon fitting

① *Fittings available to adapt trunnion mount floodlights to crossarms, poles and walls. Must be ordered separately.*

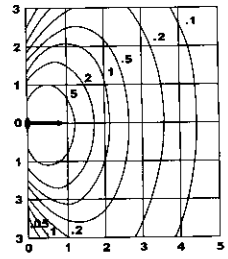
KF SERIES



KFH-XXX-76

IES Type—7H x 6V (146° x 119°)
Source—Metal Halide (Clear) 34000 Lumens
Wattage—400 (ANSI M59)
For 250W MH multiply by .6
For 1000W MH multiply by 3.1
Mounting Height (Grid Value)—25 feet
Aiming Angle—45°
Test Number—HP-00738

CONVERSION CHART					
MOUNTING HEIGHT (FEET)	20	25	28	30	35
CORRECTION FACTOR	1.56	1.00	.80	.69	.51

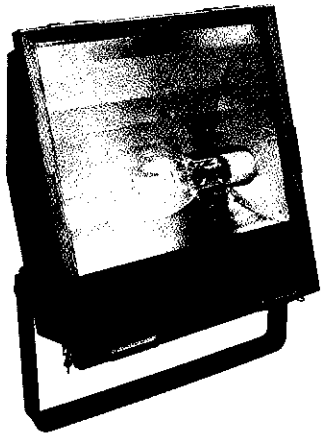


KFS-XXX-76

IES Type—7H x 6V (144° x 117°)
Source—High Pressure Sodium (Clear) 50000 Lumens
Wattage—400 (ANSI S51)
For 150W HPS multiply by .32
For 250W HPS multiply by .6
For 1000W HPS multiply by 2.5
Mounting Height (Grid Value)—25 feet
Aiming Angle—45°
Test Number—HP-00740

CONVERSION CHART					
MOUNTING HEIGHT (FEET)	23	25	30	35	40
CORRECTION FACTOR	1.18	1.00	.69	.51	.39

① *In converting to a different mounting height, multiply all footcandle values by the correction factor and convert the grid size to the mounting height selected. Example: to convert 25 foot to 30 foot mounting height, multiply all footcandle values by .69. (Grid now becomes 30 replacing 25). To convert footcandles to Lux, multiply values by 10.76. To convert feet to meters, divide values by 3.281.*



Steel Slipfitter (includes bolts)

Steel Wall/Pole Bracket

Cross Arm Fitting

Class I Div. 2, Groups A,B,C,D*
AEx nR/Ex nR**
Class I Zone 2, IIC, IIB, IIA*

UL 1572 HID Marine for Wet Locations
UL 844 Hazardous Locations

CSA C22.2 9.9-9.6 General Requirements
CSA C22.2 137-M1981 Hazardous Locations
CSA Enclosure type IP66/67

ABS Type Approval for Shipboard Use

** Consult temperature data table on next page to determine application suitability.*

FEATURES-SPECIFICATIONS

MARIGARD™

Applications

- Offshore production platforms
- Refineries
- Offshore drilling rigs and barges
- Ocean-going vessels
- Commercial fishing vessels
- Ports, wharfs and jetties
- Waste water and sewage treatment facilities
- Any type of washdown, corrosive, abrasive, or dirty environment

Features and Benefits

- Type 316 Stainless Steel Housing. 16-gauge housing ensures low corrosion and long life, reducing maintenance costs
- Rugged quick-release 316 SS Lens Latches. No hardware seizing on disassembly saves maintenance time and money. Only tool needed is a screwdriver
- 316 SS Safety Lens Door Chains. Enables hands-free safe re-lamping
- 316 SS Mounting Yoke Reliable and safe installation
- Highly efficient photometrics and excellent asymmetrical distribution. Photometrics above 85%. Minimizes the number of required fixtures to deliver desired light levels. Saves in energy costs
- Hot-dipped Galvanized Steel Mounting Accessories. Corrosion resistant in marine and corrosive environments, assuring reliable installation
- 316 SS 3/4" Conduit Hub. Maintains grounding continuity. Watertight seal. Corrosion resistant
- Silicone Gasketed Lens Door Frame. Provides watertight seal, protecting interior from moisture and corrosives

KFSS STAINLESS STEEL FLOOD LIGHTS

CATALOG NUMBER	LAMP TYPE AND CIRCUIT	VOLTAGE①	BEAM SPREAD H° X V°
KFS150SS	150 HPS	120/208/240/277 @60Hz	6 (118) x 6 (118)
KFS156SS	S-55	120/277/347 @60 Hz	
KFS250SS	250 HPS	120/208/240/277 @60Hz	6 (118) x 6 (118)
KFS256SS	S-50	120/277/347 @60 Hz	
KFS400SS	400 HPS	120/208/240/277 @60Hz	6 (118) x 6 (118)
KFS406SS	S-51	120/277/347 @60 Hz	
KFH250SS	250 MH②	120/208/240/277 @60Hz	6 (118) x 6 (118)
KFH256SS	M-58	120/277/347 @60 Hz	
KFP250SS	250 MHP③	120/208/240/277 @60Hz	6 (118) x 6 (118)
KFP256SS	M-138	120/277/347 @60 Hz	
KFH400SS	400 MH②	120/208/240/277 @60Hz	6 (118) x 6 (118)
KFH406SS	M-59	120/277/347 @60 Hz	
KFP400SS	400 MHP③	120/208/240/277 @60Hz	6 (118) x 6 (118)
KFP406SS	M-135	120/277/347 @60 Hz	

*① Voltage: 6th character in the catalog number denotes voltage. See "Catalog Number Logic" for details; e.g. **KFS155SS** = 480 Volt 60Hz.*
② Mercury Vapor Lamps of the same wattage may be used if desired.
③ Use a Pulse Start Metal Halide Lamp rated for Horizontal Position.

KFSS ACCESSORIES

CATALOG NUMBER	DESCRIPTION
KFS-6G	Steel slipfitter for 2" pipe (2-3/8" O.D.) tenon. Hot-dipped galvanized (bolts included)
K4040G	Steel wall/pole bracket. Hot-dipped galvanized (bolts included)
KFCBG	Cross arm fitting for horizontal trunnion. Hot-dipped galvanized (bolts included)

Catalog Number Logic

KF 0 00 0 SS (NR)**

Series Constant — KF

Lamp Type
S—High Pressure Sodium
H—Metal Halide
P—Pulse Start Metal Halide

Lamp Wattage
15—150 Watt, HPS
25—250 Watt, HPS, MH, MHP
40—400 Watt, HPS, MH, MHP

Voltage
0—Quad; 120/208/240/277 60 Hz.
5—480 60 Hz.
6—Tritap 120/277/347 60 Hz. (Canada)
7—220 60 Hz. (S. America), MHP250 & MHP 400 N/A
8—220/240 50 Hz. (Europe & S. America), MHP250 N/A

Series Constant — SS

***Restricted Breathing option-see next page.*

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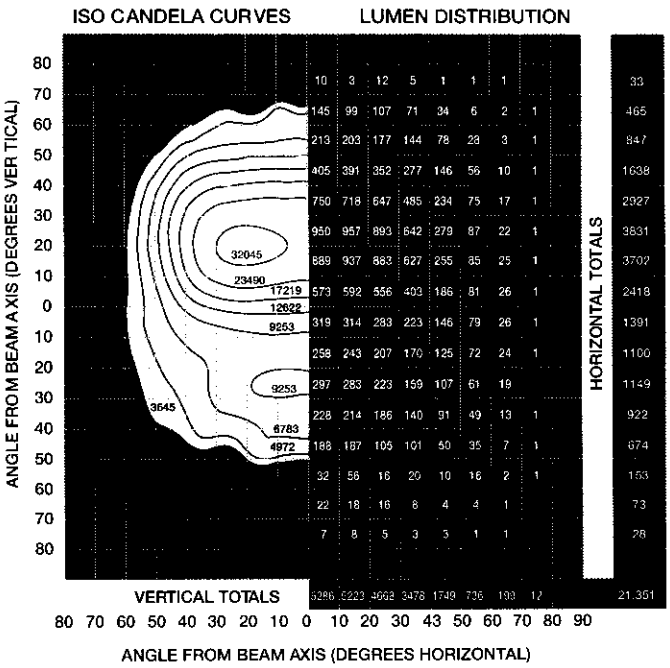
KILLARK®

AVERAGE OF RIGHT-LEFT SIDES



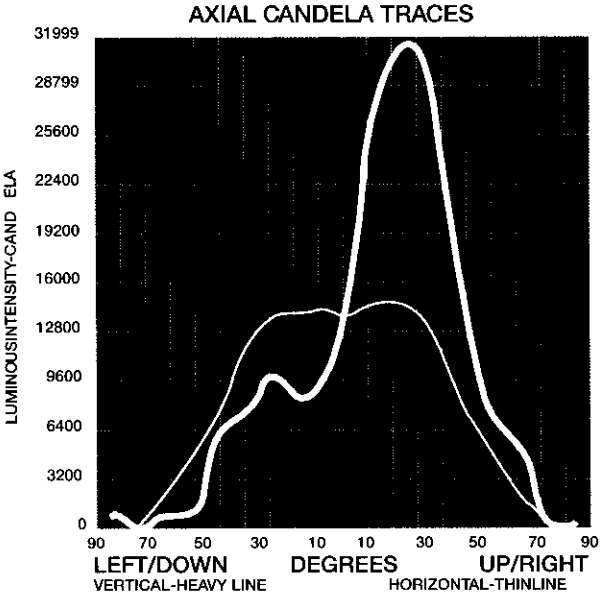
MARIGARD™

ANGLE FROM BEAM AXIS (DEGREES HORIZONTAL)

Test Number: HP-07477	**Lumens:** 50,000
Source: HPS	**IES/NEMA Type:** 6H x 6V
Lamp: ED-18	**Maximum Beam Candlepower:** 36,447
Lamp Watts: 400	**Average Maximum Candlepower:** 32,045
LCL: 5.75"	**Total Efficiency:** 85.41%

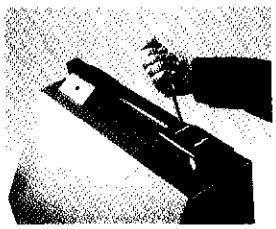
	HORIZONTALLY	VERTICALLY	LUMENS	EFFICIENCY
BEAM	81.8	41.0	22,196	44.39%
FIELD	118.4	118.6	40,591	81.18%

AXIAL CANDELA TRACES

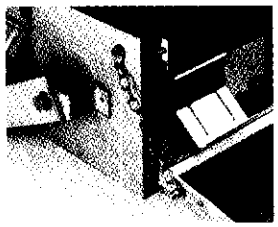


MARIGARD TEMPERATURE CODES						
LAMP		RATED	CLASS 1 DIV. 2	CLASS 1 ZONE 2	Ex nR	SUPPLY
TYPE	WATTAGE	AMBIENT C°	TEMP. (CODE)	TEMP. (CODE)	①	WIRE C°
HPS	150	40	270°C (T2A)	270°C (T2)	T4	90°C
HPS	150	55	285°C (T2)	285°C (T2)	T4	90°C
HPS	150	65	295°C (T2)	295°C (T2)	T3	110°C
HPS	250	40	380°C (T1)	380°C (T1)	T3	90°C
HPS	250	55	395°C (T1)	395°C (T1)	T3	110°C
HPS	400	40	380°C (T1)	380°C (T1)	T3	110°C
MH-MHP-MV	250	40	365°C (T1)	365°C (T1)	T3	110°C
MH-MHP-MV	250	55	380°C (T1)	380°C (T1)	T2	110°C
MH-MHP-MV	400	40	365°C (T1)	365°C (T1)	T3	110°C

①*Ex nR with NR adder. Allows lower T-CODE approvals through the use of sealed cable entrance fittings. See pages F75, F87 or select other gland/connector as appropriate for type of cable used.*

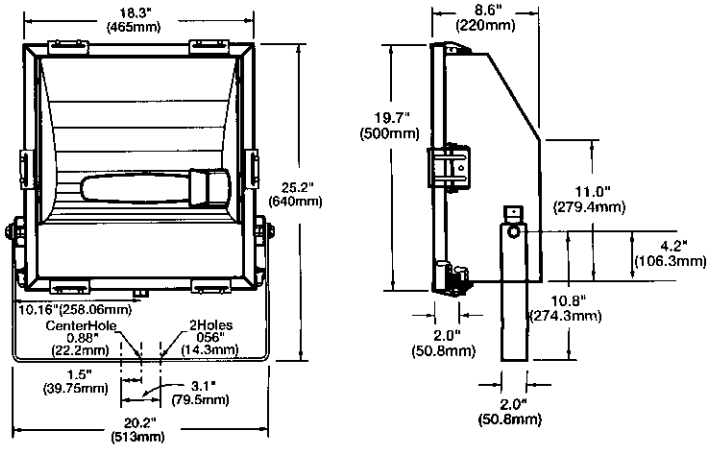


Rugged yet easy-to-open 316 SS Latches require no special tools!

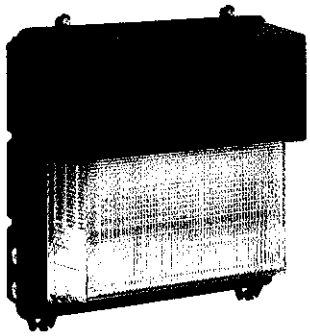


Two 316 SS Lens Chains allow for hands-free maintenance!

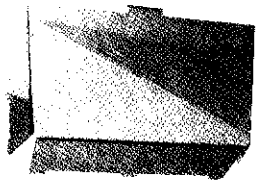
Dimensions



HUBBELL
KILLARK®

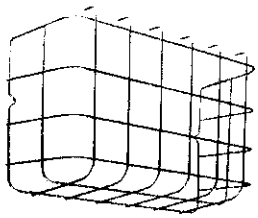


Wall Pack Luminaires



Clear Shield

Glare Shield



Wire Guard

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
NEMA 4

UL 844 Listed

CSA Certified

FEATURES-SPECIFICATIONS

CERTILITE®

Applications

KWP Wall Luminaires are ideally suited for applications requiring a pleasing aesthetic appearance or hazardous location suitability in a compact energy saving fixture. Units are of aluminum construction for cool operation with a bronze electrostatically applied finish. Suitable locations include perimeter security lighting, parking areas, factories and parking garages.

Features

- Aluminum with Bronze finish 1/2" hub on either side for conduit entry
- Mogul Porcelain Socket
- Specular aluminum precision formed reflector for optimal performance
- Suitability for 40°C ambient, 90°C supply wire required
- Lens thermal shock and impact resistant glass
- Front access for lamp or ballast service

KWP WALL PACK

CATALOG NUMBER	LAMP TYPE AND CIRCUIT	VOLTAGE①	WEIGHT LBS.	T-CODE AT 40°C
KWPS070 **KWPS075**	70 HPS S-62	QUAD 480	23	215°C (T2D)
KWPS100 **KWPS105**	100 HPS S-54	QUAD 480	24	215°C (T2D)
KWPS150 **KWPS155**	150 HPS S-55	QUAD 480	25	260°C (T2B)
KWPH070 **KWPH075**	70 MH M-98	QUAD 480	24	200°C (T3)
KWPH100 **KWPH105**	100 MH M-90	QUAD 480	25	200°C (T3)
KWPH170 **KWPH175**	175 MH M-57	QUAD 480	25	260°C (T2B)

① Voltage Change 7th character in catalog number for voltage

Example **KWPS075** = 480 Volt 60Hz

0=QUAD - 120/208/240/277 60Hz

5=480 60Hz

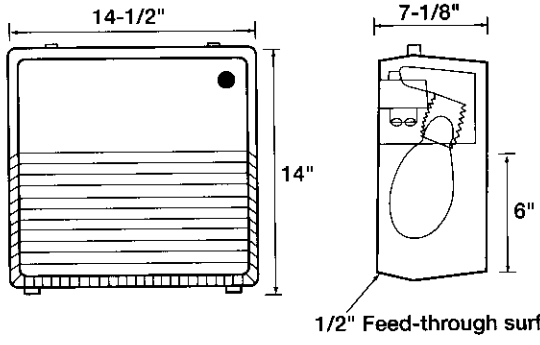
6=TRI - 120/277/347 60Hz (Canada)

7=220 60Hz (S. America)

8=220/240 50Hz (Europe / S. America)

KWP ACCESSORIES

CATALOG NUMBER	DESCRIPTION
PGPS	Clear Shield (Polycarbonate) for Protecting Lens
PGWG	Wire Guard, Cadmium Plated Steel
PVPL	Glare Shield Cutoff Visor - Formed Bronze Aluminum. Forces Light to Walkway



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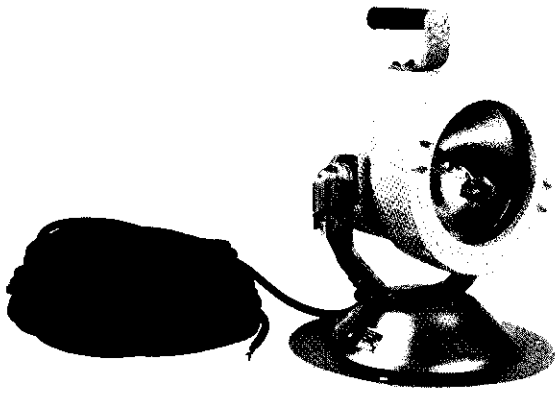


EMHPO71

Class I, Div. 1 & 2 Groups C,D
Class I, Zones 1 & 2 Groups IIB,IIA
Class II, Div. 1 & 2, Groups F,G
Class III, Div. 1 & 2
NEMA 3, 4X, 7(C,D) 9(F,G)
Suitable for wet locations
Suitable for paint spray booths

Ⓤ Listed - File E89665 and E97760

Ⓒ Certified - File LR11713

FEATURES-SPECIFICATIONS

Applications

EM & DM Series portable floodlights provide emergency or maintenance lighting in wet locations or areas made hazardous due to the presence of flammable gases or vapors and combustible dusts as defined by the NEC.

Typical uses are in manufacturing plants, chemical, petrochemical and other industrial process facilities, oil refineries, grain storage sights, aircraft maintenance and refueling areas, tank farms and pipeline pumping stations.

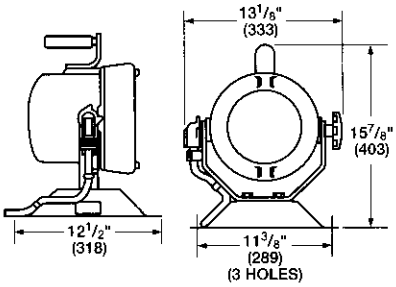
Features

- Factory sealed 100 foot 16/3 SOW cord supplied as standard. See catalog section PR for Acceptor® plugs and receptacles
- Corrosion resistant, rain tight, copper-free cast aluminum housing helps assure safe, reliable operation
- Light weight, strong spun aluminum base provides stability, permits hanging fixture temporarily on wall or lowering it inverted
- Aluminum specular reflector directs light beam for concentrated illumination
- Tempered glass lens resists heat and shock
- Nitrile rubber O-ring gasketing provides an excellent seal for use in wet locations
- Photometric data—see page L121
- Lamps included on all models

Compliances

- UL-781 portable electric lighting units for use in hazardous locations
- UL-1571 standard for incandescent lighting fixtures
- UL-1572 standard for HID lighting fixtures
- UL Marine type electric lighting fixtures
- CSA-C22.2 nos. 12 & 137
- NEMA 3, 4

Dimensions



EM/DM HPS PORTABLE FLOODLIGHTS			
CATALOG NUMBER	LAMP WATTS	VOLTAGE @60 HERTZ	DESCRIPTION①
EMSP151	150	120	Class I, Div. 1 & 2, Groups C & D
DMSP101*	100	120	Class I, Div. 1 & 2, Groups C & D; Class II, Div. 1 & 2, Groups F & G; Class III
EM MH			
EMHP071	70	120	Class I, Div. 1 & 2, Groups C & D; Class II, Div. 1 & 2, Group F
EM INCANDESCENT			
EMIP111	110	120	Class I, Div. 1 & 2, Groups C & D; Class II, Div. 1 & 2, Group F

①Refer to hazardous location application data below for specific T codes and temperatures.

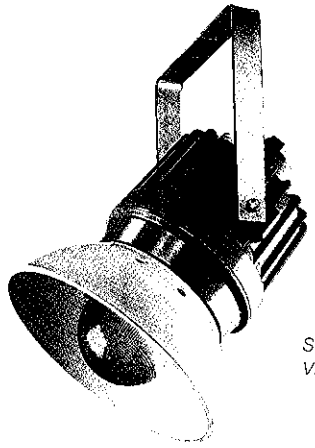
②EMIP111 can be used with PAR 38 150 Watt incandescent lamp. See hazardous location application data.

** DMS series units have a limiting device to prevent positioning of the fixture head in an orientation where dust could build up on the lens. Any attempt to defeat its purpose can be dangerous.*

EM INCANDESCENT①								
SERIES	LAMP TYPE	LAMP WATTS	RATED AMBIENT DEGREES °F/°C	CLASS I, DIV. 1 & 2 MAX. SURFACE TEMP. UL/CSA TEMP. I.D. °F/°C	UL/CSA GROUPS	CLASS II, DIV. 1 & 2 MAX. SURFACE TEMP. UL/CSA TEMP. I.D. °F/°C	UL/CSA GROUPS	CLASS III, DIV. 1 & 2 MAX. SURFACE TEMP. UL/CSA TEMP. I.D. °F/°C
EMS	HPS	150	77°/25°	T3C (320°/160°)	CD	—	—	—
DMS	HPS	100	104°/40°	T4A (248°/120°)	CD	T3C (320°-160°)	FG	T3C (320°-160°)
EMH	MH	70	104°/40°	T4 (275°/135°)	CD	T3 (392°-200°)	F	—
EMI	INC	110	104°/40°	T3A (356°/180°)	CD	T3 (392°-200°)	F	—
EMI	INC	150	104°/40°	T3A (356°/180°)	CD	—	—	—

①Do not install where marked operating temperature exceeds ignition temperature of Hazardous Atmosphere.

HUBBELL®
KILLARK®



Shown with optional VMPSD-40 reflector

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
NEMA 3, 4, 4X, 7(C,D)
Factory Sealed

Listed - file E10514

CSA LR11713

FEATURES-SPECIFICATIONS

Applications

HOSTILE*LITE*® EZ series trunnion mount luminaires provide directional lighting in both vertical and horizontal planes when used with floodlight mounting hardware.

Typical applications include refineries, drilling rigs and platforms, loading docks, bulk fuel loading terminals, and pipeline pumping stations.

Features

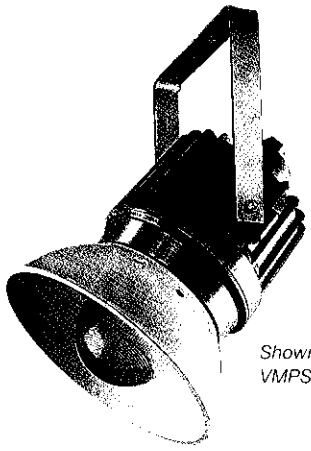
- Three light sources
  - High Pressure Sodium (50-400W)
  - Metal Halide (70-400)
  - Mercury Vapor (100-400)
- Trunnion mounted–Trunnion yoke of 316 grade stainless steel attaches via mounting blocks to fixture ballast housing
- Factory sealed–No external seal needed
- Corrosion resistant–Fixture of copper-free aluminum die cast construction. Baked powder epoxy finish, electrostatically applied. Exposed hardware of 316 grade stainless steel
- Accessories–Guards, reflectors and mounting hardware available. Must be ordered separately, see illustration
- Mounting method–See page L129 for typical installation using mounting accessories

Compliances

- UL-844 Electric Lighting Fixtures for use in Hazardous Locations
- UL-1572 Standard for HID Lighting Fixtures
- CSA C22.2 no. 137-M1981 Electric Luminaires for use in Hazardous Locations
- NEMA 3, 4, 4X, 7CD

EZ HAZARDOUS LOCATION APPLICATION DATA

FIXTURE SERIES	LAMP TYPE	LAMP WATTS	SUITABLE AMBIENT °C	SUPPLY WIRE MIN. °C	CLASS I, DIV. 1 & 2 MAX. SURFACE TEMP.		TYPE 3 (RAINTIGHT)	TYPE 4 (HOSEDOWN)	TYPE 4X (CORROSION RESISTANT)
					TEMP. I.D. (ACTUAL TEMP.)	GROUPS			
EZS	HPS	50	40	85	T4 (135°C)	C,D	YES	YES	YES
EZS	HPS	70	40	85	T4 (135°C)	C,D	YES	YES	YES
EZS	HPS	100	40	85	T4 (135°C)	C,D	YES	YES	YES
EZS	HPS	150	40	85	T4 (135°C)	C,D	YES	YES	YES
EZS	HPS	250	40	85	T3C (160°C)	C,D	YES	YES	YES
EZS	HPS	400	40	85	T3 (200°C)	C,D	YES	YES	YES
EZH	MH	70	40	85	T4A (120°C)	C,D	YES	YES	YES
EZH	MH	100	40	85	T4A (120°C)	C,D	YES	YES	YES
EZH	MH	150	40	85	T4A (120°C)	C,D	YES	YES	YES
EZH	MH	175	40	85	T3B (165°C)	C,D	YES	YES	YES
EZH	MH	250	40	85	T3A (180°C)	C,D	YES	YES	YES
EZH	MH	400	40	85	T2D (215°C)	C,D	YES	YES	YES
EZM	MV	100	40	85	T3B (165°C)	C,D	YES	YES	YES
EZM	MV	175	40	85	T3B (165°C)	C,D	YES	YES	YES
EZM	MV	250	40	85	T3A (180°C)	C,D	YES	YES	YES
EZM	MV	400	40	85	T2D (215°C)	C,D	YES	YES	YES



Shown with optional VMPSD-40 reflector③

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
NEMA 3, 4, 4X, 7(C,D)
Factory Sealed

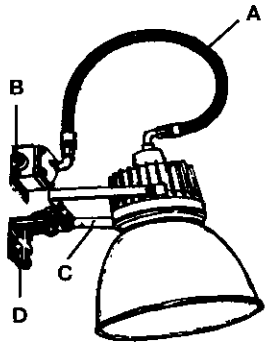
Ⓤ Listed - E10514

Ⓒ LR 11713

ORDERING INFORMATION

Installation Method

Typical EZ Series trunnion mounted luminaire using conduit hardware.



A. Flexible coupling. See page L145 for EKJ series
B. Splice box. See page L146 for JL/JAL series
C. Trunnion yoke supplied with EZ-T series floodlight fixture
D. Mounting accessory wall mount (KFWB) shown. See page L123 for this and other fittings available to adapt trunnion mount floodlights to crossarms, poles or walls

③ *Accessories may be ordered with fixture as a single catalog number with the following logic. Components shipped separately.*

④ ④
EZH400A2G-TS

Base Catalog Number (INC/"T")
Guard
Trunnion

S-Standard Dome **Cat. No. VMPSD-40**
D-Deep Dome **Cat. No. HRD-400**
Z-Deep Dome **Cat. No. HRD-400ALZ**

④Optional Accessory

EZ 50–400W HPS FLOODLIGHTS①②③

WATTS	ANSI LAMP TYPE	VOLTAGE @60 HERTZ	HUB SIZE	CATALOG NUMBER
50 HPS	S-68	120, 208, 240, 277	3/4"①	**EZS050A2-T**
70 HPS	S-62	120, 208, 240, 277		**EZS070A2-T**
		480		**EZS075A2-T**
100 HPS	S-54	120, 208, 240, 277		**EZS100A2-T**
		480		**EZS105A2-T**
150 HPS	S-55	120, 208, 240, 277		**EZS150A2-T**
		480		**EZS155A2-T**
250 HPS	S-50	120, 208, 240, 277		**EZS250A2-T**
		480		**EZS255A2-T**
400 HPS	S-51	120, 208, 240, 277		**EZS400A2-T**
		480		**EZS405A2-T**

EZ 70–400W MH FLOODLIGHTS①②③

70 MH	M-98	120, 208, 240, 277	3/4"①	**EZH070A2G-T**
100 MH	M-90	120, 208, 240, 277		**EZH100A2G-T**
175 MH	M-57	120, 208, 240, 277		**EZH170A2-T**
		480		**EZH175A2-T**
250 MH	M-58	120, 208, 240, 277		**EZH250A2-T**
		480		**EZH255A2-T**
400 MH	M-59	120, 208, 240, 277		**EZH400A2-T**
		480		**EZH405A2-T**

EZ 70–400W MV FLOODLIGHTS①②③

70 MV	H-38	120, 208, 240, 277	3/4"①	**EZM100A2-T**
		480		**EZM105A2-T**
175 MV	H-39	120, 208, 240, 277		**EZM170A2-T**
		480		**EZM175A2-T**
250 MV	H-37	120, 208, 240, 277		**EZM250A2-T**
		480		**EZM255A2-T**
400 MV	H-33	120, 208, 240, 277		**EZM400A2-T**
		480		**EZM405A2-T**

①*Luminaire catalog numbers provide for a single 3/4" NPT flexible conduit connection only. For 1" NPT conduit connection, substitute "3" for "2" in catalog number; example:* ***EZS050A3-T***

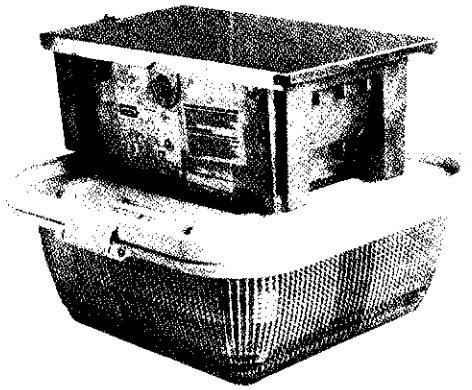
②*Consult factory for other available voltage.*

*(tm Alcoa)

EZ ACCESSORIES③

CATALOG NUMBER	DESCRIPTION	
EZG1	HPS 50-150 MH 175-250 MV 100-250	Guard
VMAG-40	HPS 250-400 MH, MV 400	
VMPSD-40	Standard dome	Reflector
HRD-400	Deep dome white	
HRD-400ALZ	Deep dome Alzak*	

HUBBELL
KILLARK®



UCL Series
Canopy Lighting

Listed Wet Locations
Certified
25°C Ambient

FEATURES-SPECIFICATIONS

PETROBRIGHT™

Applications

The UCL is a modular, two component luminaire (UCB and UCO) and is designed for single or double deck canopies. The canopy decking must be constructed of a non-combustible, flat sheet material (aluminum or steel). The UCL Series projects excellent vertical and horizontal light with eye catching high angle sparkle. Field adjustment of one or both internal reflectors downward with a screwdriver will reduce high angle glare, where needed. For cut-off shielding requirements (e.g. local regulations), optional (UCL-HS) shield/reflectors can be easily added to the reflector system to produce 8 different patterns.

Features and Benefits

- Modular design for flexibility and availability
- Diecast aluminum construction for durability
- White Lektrocote® powder paint for durability
- Self-aligning installation
- Easy Optical Assembly replacement from below
- Below canopy installation capability
- Tool-less, positive optical latching for reliable sealing
- Tool-less, hinged ballast cover
- Adjustable reflectors standard
- Self-centering optical hinges
- Custom, tool-less cutoff shielding creates up to 8 combinations (UCL-HS)
- Pre-wired lamp socket
- Wet Locations; 25°C
- Two 1/2" NPT hubs for feed-thru wiring

UCL SERIES CANOPY LIGHTING					
CATALOG NUMBER④	LAMP TYPE AND ANSI CODE①	VOLTAGE③	WEIGHT LBS.	CONSISTS OF: ④	
				BALLAST	LENS & FRAME ASSEMBLY
UCL250P8-LL	250 MHP (M138)	120/208/240/277	33	UCB250P8	UCO1
UCL320P8-LL②	320 MHP (M131)	120/208/240/277	35	**UCB320P8**	**UCO1**
UCL400P8-LL	400 MHP (M135)	120/208/240/277	35	UCB400P8	UCO1

① *All fixtures for use with ED-28 Pulse Start Metal Halide lamps suitable for base up orientation. Pulse Start Metal Halide lamps and ballasts are NOT interchangeable with standard Metal Halide components.*

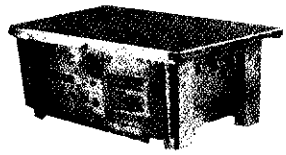
② ***320 watt quad-tap models are the industry standard and stocked for quick shipment.***

③ *Voltage **UCL320PX-LL**: the 8th character designates voltage, change per below as required:*
5 = 480
6 = Tri-Tap (120/277/347)
***8** = Quad-Tap (120/208/240/277) industry standard*
E = 50Hz 220/240

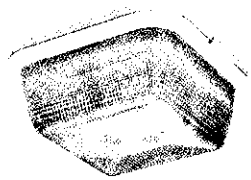
④ *Fixture assembly numbers are for ordering convenience and units are shipped as components.*

ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
UCK-1	Support Rail Set (for single fixture) For support in weak/old canopies or when installing from below
UCL-HS	1 Internal House-side "Cut-off" Shield: order 1 ea. For 190° or 2 ea. For 280° or 360° shielding (via overlap)
UCL-TEMPLATE	Order one free template per standard canopy installation

The UCL Modular System



UCB: Ballast Assembly
14" x 7.5" x 5" High



UCO: Optical Assembly
14.25" x 14.25" x 6.12" High

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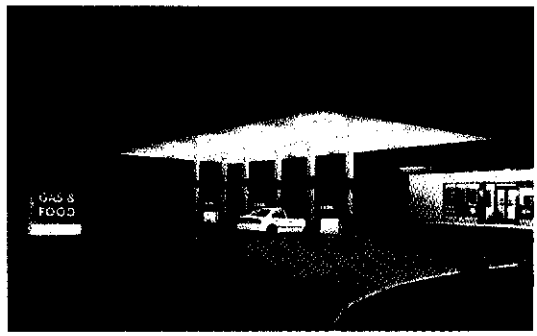
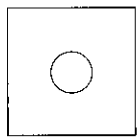


Typical PetroBright application

FEATURES-SPECIFICATIONS

The Under Canopy **Retrofit Trim System** is used to upgrade existing installations of old competitive fixtures to the new PETRO***BRIGHT***™. These UCT trims are used in conjunction with standard UCL luminaries (UCO optical assembly & UCB ballast assembly) to provide flexible solutions for a variety of needs. UCL fixtures can also easily be re-used for a new installation when old canopies are replaced.

Retrofit Trims

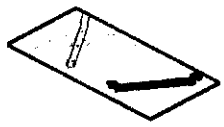


UCL-CP White 23.5" square Cover Panel for removed 2' X 2' luminaries; attaches to UCO unit to cover canopy blemishes around new fixtures.

2' x 2' RetroTrims (Hinged type):

- **UCT-1** Fixture size: 21-1/8" square; minimum 6" above flange Whiteway® Riviera II/Thunderbird/Vision/LaSabre III; Cooper® CLS①
- **UCT-2** Fixture size: 23" square; minimum 6" above flange LSI® Master/Dakota; Jet-Philips® Houstonian (old style); Whiteway Riviera①
- **UCT-3** Fixture size: 21-3/4" square or 22" square; minimum 6" above flange Jet-Philips Houstonian SHO/RHO; Guardian® MC-1411①

Recessed RetroTrims:



- **UCT-4** Fixture size: LSI Richmond® Series 21-1/2" X 11-15/16" outside frame
- **UCT-5** Fixture size: Whiteway Civic Series 20-3/4" X 11-1/16" outside frame

Surface Mount Enclosure:

- **UCT-6** 16-1/4" square X 8" high surface mount housing trim. Mounting hardware not included

UCB

UCT

UCL

Existing Enclosure (2' x 2' type shown)

UCB ballast assemblies attach to top of UCT retrofit trim allowing attachment inside old existing mounting box. UCO optical assembly attaches to UCB through UCT trim.

① PETRO***BRIGHT***™ *Hubbell, Inc.; all other trademarks and tradenames are the property of their respective owners.*

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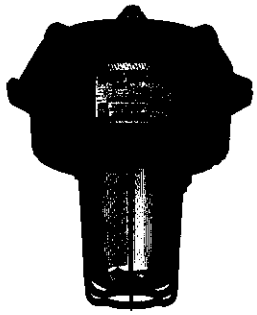

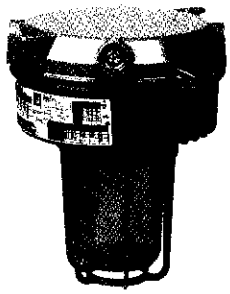

Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X

UL844; UL1570; UL924 (File E162407)
UL Wet Location Listed (Indoor & Outdoor)
UL Listed (Indoor & Outdoor)
Rated for 40C° ambient. Minimum start 0°C.

FEATURES-SPECIFICATIONS

CERTI*LITE*® E
EMERGENCY

Applications

CERTI*LITE*® DEB Emergency Lighting fixtures provide continuous illumination under normal power and switch to emergency battery backup during power outages. Emergency Units ONLY are available that operate only when normal power fails.

Units contain battery unit(s) that provides the OSHA required 90 minutes of illumination for egress.

Units are designed for general and task lighting in indoor or outdoor wet locations or where **combustible dusts** may exist and create a hazardous location, as defined by the NEC.

Use Push-To-Test station suitable for area of use for testing purposes. FXCS series control stations should be used for hazardous locations.

Features

- Bi-Pin Twin long-life compact fluorescent lamps **included**
- Choice of Pendant, Ceiling, Wall or Stanchion mount
- Corrosion resistant-Copper-free aluminum die-cast construction (less than 4/10 of 1%) with Baked-on epoxy/polyester powder finish
- Exposed hardware is 316 grade stainless steel
- LED charging indicator light visible through lens

Accessories

- Exit sign: Model **VEXA-100** (Note: omit 2nd "**G**" in catalog number for globe-only fixture)
- Reflectors: Use standard dome **VMPSD-17** or angle model **VMPA-17** (see page L54)

Options

- For Factory Fusing add **-F** to catalog number, e.g. **DEB2613E1A2GGN4-F**
- For Red Painted Fixtures, add **-R** to catalog number, e.g. **DEB2613E1A2GGN4-R**

DEB 26-39 WATT NORMAL & EMERGENCY MODE FIXTURES

COMPACT FLUORESCENT LAMPS INCLUDED	LINE VOLTAGE	CATALOG NUMBER③④			
		PENDANT 3/4"①	CEILING 3/4"①	WALL 3/4"①	STANCHION 1-1/4"②
26W (2x13) Normal	120VAC 60Hz	DEB2613E1A2GGN4	DEB2613E1X2GGN4	DEB2613E1B2GGN4	DEB2613E1D4GGN4
13W (1x13) Emergency	277VAC 60Hz	DEB2613E4A2GGN4	DEB2613E4X2GGN4	DEB2613E4B2GGN4	DEB2613E4D4GGN4
26W (2x13) Normal	120VAC 60Hz	DEB2626E1A2GGN4	DEB2626E1X2GGN4	DEB2626E1B2GGN4	DEB2626E1D4GGN4
26W (2x13) Emergency	277VAC 60Hz	DEB2626E4A2GGN4	DEB2626E4X2GGN4	DEB2626E4B2GGN4	DEB2626E4D4GGN4
39W (3x13) Normal	120VAC 60Hz	DEB3913E1A2GGN4	DEB3913E1X2GGN4	DEB3913E1B2GGN4	DEB3913E1D4GGN4
13W (1x13) Emergency	277VAC 60Hz	DEB3913E4A2GGN4	DEB3913E4X2GGN4	DEB3913E4B2GGN4	DEB3913E4D4GGN4
39W (3x13) Normal	120VAC 60Hz	DEB3926E1A2GGN4	DEB3926E1X2GGN4	DEB3926E1B2GGN4	DEB3926E1D4GGN4
26W (2x13) Emergency	277VAC 60Hz	DEB3926E4A2GGN4	DEB3926E4X2GGN4	DEB3926E4B2GGN4	DEB3926E4D4GGN4

① *Pendant, Ceiling & Wall models may be changed to 1" hubs by changing the 11th character from **2** to **3**; e.g. **DEB2613E1A3GGN4**.*
② *For 1-1/2" angle Stanchion, change **D4** to **D5** in catalog number. Change **D4** to **S5** for 1-1/2" Straight (90°) Stanchion.*
③ *Omit 2nd "**G**" for globe-only fixture for use with **VEXA-100** Exit Accessory.*
④ *Standard color for fixtures is Killark beige. Add **-R** for RED adder.*
NOTES: See page L135 for ballast data.
For fixture dimensions use small tank VM series page L55.

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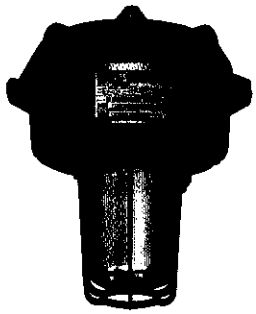
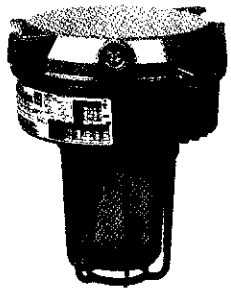




Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X

UL844; UL1570; UL924 (File E162407)
UL Wet Location Listed (Indoor & Outdoor)
UL Listed (Indoor & Outdoor)
Rated for 40C° ambient. Minimum start 0°C.

FEATURES-SPECIFICATIONS

DEB 13-26 WATT EMERGENCY-ONLY MODE FIXTURES

COMPACT FLUOR. LAMP INCL.	LINE VOLTAGE	CATALOG NUMBER③④			
		PENDANT 3/4①	CEILING 3/4①	WALL 3/4①	STANCHION 1-1/4②
13W (1x13) Emergency	120 or 277VAC 60Hz	DEB0013E10A2GGN4	DEB0013E10X2GGN4	DEB0013E10B2GGN4	DEB0013E10D4GGN4
26W (2x13) Emergency	120 or 277VAC 60Hz	DEB0026E10A2GGN4	DEB0026E10X2GGN4	DEB0026E10B2GGN4	DEB0026E10D4GGN4

① *Pendant, Ceiling & Wall models may be changed to 1" hubs by changing the 12th character from **2** to **3** e.g. **DEB0013E10A3GGN4**. 1-1/2" angle Stanchion, change **D4** to **D5** in catalog number. Change **D4** to **S5** for 1-1/2" Straight (90°) Stanchion.*
③ *Omit 2nd **"G"** for globe-only fixture for use with **VEXA-100** Exit Accessory.*
④ *Standard color for fixtures is Killark beige. Add **-R** for RED adder.*

REPLACEMENT PARTS

CATALOG NUMBER	DESCRIPTION
MPL13	Replacement Lamp
KFBP6	Replacement Battery Units*

*One used per "Emergency" lamp.

LUMEN OUTPUT⑤

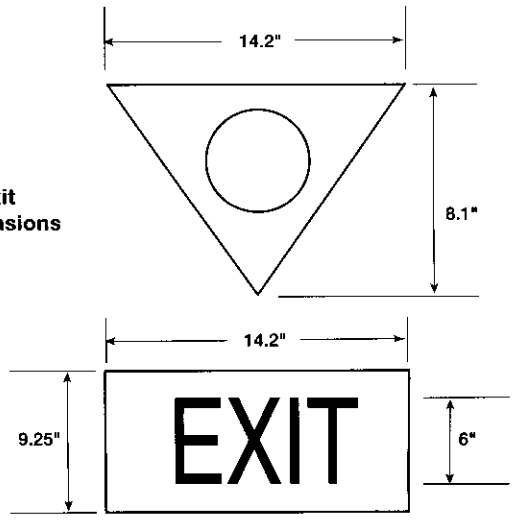
LAMP SOURCE	NORMAL POWER	EMERGENCY POWER
13Watt (1X13)	—	625
26Watt (2x13)	1800	1250
39Watt (3X13)	2700	—

⑤ *Photometric characteristics similar to 39 watt MBF pages L31-33, except adjusted for lumen output.*

HAZARDOUS LOCATION APPLICATION DATA FOR GLOBE & GUARD AND WITH REFLECTOR

LAMP SOURCE	CLASS II DIV 1 & 2 E,F,G	CLASS III SUITABILITY	SUPPLY WIRE
13Watt (1X13)	85°C (T6)	YES	85°C
26Watt (2x13)	85°C (T6)	YES	85°C
39Watt (3X13)	85°C (T6)	YES	85°C

VEXA-100 Exit Accessory Dimensions



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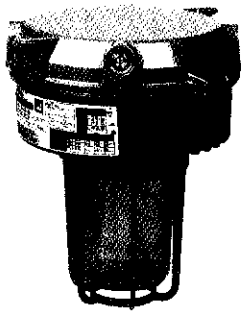

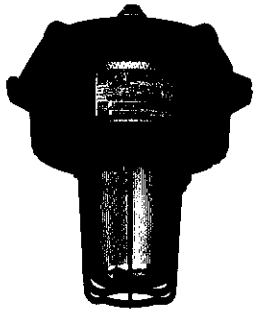

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X

UL844; UL1570; UL924 (File E162407)
UL Wet Location Listed (Indoor & Outdoor)
UL Listed (Indoor & Outdoor)
Rated for 40C° ambient. Minimum start 0°C.

FEATURES-SPECIFICATIONS

CERTI*LITE*® E
EMERGENCY

Applications

CERTI*LITE*® VEB and VEQ Emergency Lighting fixtures provide continuous illumination under normal power and switch to emergency battery backup during power outages. Emergency Units ONLY are available that operate only when normal power fails.

Units contain battery unit(s) that provides the OSHA required 90 minutes of illumination for egress.

Units are designed for general and task lighting indoors or outdoors where **flammable gases or vapors, combustible dusts, or simultaneous presence** may exist and create a hazardous location, as defined by the NEC

Use Push-To-Test station suitable for area of use for testing purposes. FXCS series control stations should be used for hazardous locations.

Features

- Bi-Pin Twin (VEB) or Quad-Pin triple-tube (VEQ) long-life compact fluorescent lamps **included**
- **World Voltage on Quad-Pin VEQ Series: 120 through 277VAC; 50 through 60 Hz**
- Choice of Pendant, Ceiling, Wall or Stanchion mount
- Corrosion resistant-Copper-free aluminum die-cast construction with Baked-on epoxy/polyester powder finish
- Exposed hardware is 316 grade stainless steel
- LED charging indicator light visible through lens

Accessories

- Exit sign: Model **VEXA-100** (Note: omit 2nd "**G**" in catalog number for globe-only fixture)
- Reflectors: Use standard dome **VMPSD-17** or angle model **VMPA-17** (see page L54)

Options

- For Factory Fusing on VEB and for VEQ to be used on 120V or 277V systems, add **-F** to catalog number e.g. **VEB2613E1A2GGN4-F.** For VEQ to be used on 208V, 220V, 230V, 240V systems, add **-FF** to catalog number, e.g. **VEQ2626E30A2GGN4-FF**
- For Red Painted Fixtures, add **-R** to catalog number, e.g. **VEB2613E1A2GGN4-R**

VEB/VEQ SERIES 26 - 84WATT NORMAL & EMERGENCY MODE FIXTURES

COMPACT FLUORESCENT LAMP INCLUDED	LINE VOLTAGE	CATALOG NUMBER ③ ④			
		PENDANT 3/4"①	CEILING 3/4"①	WALL 3/4"①	STANCHION 1-1/4"②
26W (2x13) Normal	120VAC 60Hz	VEB2613E1A2GGN4	VEB2613E1X2GGN4	VEB2613E1B2GGN4	VEB2613E1D4GGN4
13W (1x13) Emergency	277VAC 60Hz	VEB2613E4A2GGN4	VEB2613E4X2GGN4	VEB2613E4B2GGN4	VEB2613E4D4GGN4
26W (2x13) Normal	120VAC 60Hz	VEB2626E1A2GGN4	VEB2626E1X2GGN4	VEB2626E1B2GGN4	VEB2626E1D4GGN4
26W (2x13) Emergency	277VAC 60Hz	VEB2626E4A2GGN4	VEB2626E4X2GGN4	VEB2626E4B2GGN4	VEB2626E4D4GGN4
39W (3x13) Normal	120VAC 60Hz	VEB3913E1A2GGN4	VEB3913E1X2GGN4	VEB3913E1B2GGN4	VEB3913E1D4GGN4
13W (1x13) Emergency	277VAC 60Hz	VEB3913E4A2GGN4	VEB3913E4X2GGN4	VEB3913E4B2GGN4	VEB3913E4D4GGN4
39W (3x13) Normal	120VAC 60Hz	VEB3926E1A2GGN4	VEB3926E1X2GGN4	VEB3926E1B2GGN4	VEB3926E1D4GGN4
26W (2x13) Emergency	277VAC 60Hz	VEB3926E4A2GGN4	VEB3926E4X2GGN4	VEB3926E4B2GGN4	VEB3926E4D4GGN4
26W (1x26) Normal 26W (1x26) Emergency	120 through 277 50-60Hz	VEQ2626E30A2GGN4	VEQ2626E30X2GGN4	VEQ2626E30B2GGN4	VEQ2626E30D4GGN4
52W (2x26) Normal 26W (1x26) Emergency	120 through 277 50-60Hz	VEQ5226E30A2GGN4	VEQ5226E30X2GGN4	VEQ5226E30B2GGN4	VEQ5226E30D4GGN4
64W (2x32) Normal 32W (1x32) Emergency	120 through 277 50-60Hz	VEQ6432E30A2GGN4	VEQ6432E30X2GGN4	VEQ6432E30B2GGN4	VEQ6432E30D4GGN4
84W (2x42) Normal 42W (1x42) Emergency	120 through 277 50-60Hz	VEQ8442E30A2GGN4	VEQ8442E30X2GGN4	VEQ8442E30B2GGN4	VEQ8442E30D4GGN4

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① *Pendant, Ceiling & Bracket models may be changed to 1" hubs by changing the 11th character from **2** to **3**; e.g. **VEB2613E1A3GGN4** (12th character in VEQ series).*
② *For 1-1/2" angle Stanchion, change **D4** to **D5** in catalog number. Change **D4** to **S5** for 1-1/2" Straight (90°) Stanchion.*
③ *Omit 2nd "**G**" for globe-only fixture for use with **VEXA-100** Exit Accessory.*
④ *Standard color for fixtures is Killark beige. Add **-R** for RED adder.*

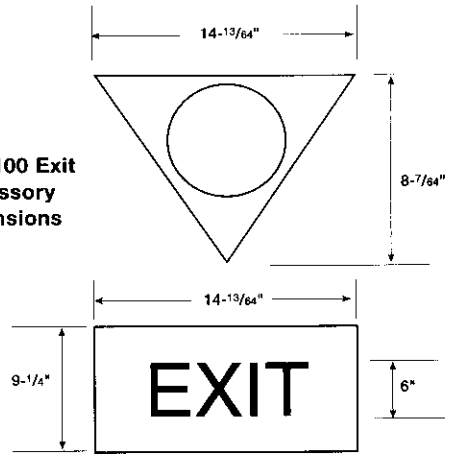
VEB/VEQ 13 - 42WATT EMERGENCY-ONLY MODE FIXTURES					
COMPACT FLUOR. LAMP INCLUDED	LINE VOLTAGE	CATALOG NUMBER ③④			
		PENDANT 3/4"①	CEILING 3/4"①	WALL 3/4"①	STANCHION 1-1/4"②
13W (1x13) Emergency	120 or 277VAC 60Hz	VEB0013E10A2GGN4	VEB0013E10X2GGN4	VEB0013E10B2GGN4	VEB0013E10D4GGN4
26W (2x13) Emergency	120 or 277VAC 60Hz	VEB0026E10A2GGN4	VEB0026E10X2GGN4	VEB0026E10B2GGN4	VEB0026E10D4GGN4
26W (1x26) Emergency	120 through 277 50-60Hz	VEQ0026E30A2GGN4	VEQ0026E30X2GGN4	VEQ0026E30B2GGN4	VEQ0026E30D4GGN4
32W (1x32) Emergency	120 through 277 50-60Hz	VEQ0032E30A2GGN4	VEQ0032E30X2GGN4	VEQ0032E30B2GGN4	VEQ0032E30D4GGN4
42W (1x42) Emergency	120 through 277 50-60Hz	VEQ0042E30A2GGN4	VEQ0042E30X2GGN4	VEQ0042E30B2GGN4	VEQ0042E30D4GGN4

① *Pendant, Ceiling & Wall models may be changed to 1" hubs by changing the 12th character from "2" to "3"; e.g.* **VEB0013E10A3GGN4.**
② *For 1-1/2" angle Stanchion, change "**D4**" to "**D5**" in catalog number.*
*Change "**D4**" to "**S5**" for 1-1/2" Straight (90°) Stanchion.*
③ *Omit 2nd "**G**" for globe-only fixture for use with **VEXA-100** Exit Accessory.*
④ *Standard color for fixtures is Killark beige. Add **-R** for RED adder.*

LUMEN OUTPUT⑤		
LAMP SOURCE	NORMAL POWER	EMERGENCY POWER
13Watt (1X13)	—	625
26Watt (2x13)	1650	1250
39Watt (3X13)	2475	—
26Watt (1x26)	1800	425
32Watt (1X32)	—	525
42Watt (1X42)	—	700
52Watt (2x26)	3600	—
64Watt (2X32)	4800	—
84Watt (2X42)	6400	—

⑤ *Photometric characteristics similar to 39 watt MBF pages L31-33, except adjusted for lumen output.*

VEXA-100 Exit Accessory Dimensions



HAZARDOUS LOCATION APPLICATION DATA FOR GLOBE & GUARD (SAME WITH REFLECTOR OR EXIT ACCESSORY)⑥				
LAMP SOURCE	CLASS I DIV. 2 A,B,C,D	CLASS II DIV. 1 & 2 E,F,G	CLASS III SUITABILITY	SUPPLY WIRE
13Watt (1X13)	180°C (T3A)	85°C (T6)	YES	75°C
26Watt (2x13)	180°C (T3A)	85°C (T6)	YES	75°C
39Watt (3X13)	180°C (T3A)	85°C (T6)	YES	75°C
26Watt (1x26)	215°C (T2D)	120°C (T4A)	YES	75°C
32Watt (1X32)	215°C (T2D)	120°C (T4A)	YES	75°C
42Watt (1X42)	215°C (T2D)	120°C (T4A)	YES	75°C
52Watt (2x26)	215°C (T2D)	120°C (T4A)	YES	75°C
64Watt (2X32)	215°C (T2D)	120°C (T4A)	YES	75°C
84Watt (2X42)	215°C (T2D)	120°C (T4A)	YES	75°C

⑥ *VEB/VEQ units are rated for simultaneous presence.*

REPLACEMENT PARTS			
CATALOG NUMBER	REPLACEMENT LAMPS	CATALOG NUMBER	REPLACEMENT BATTERY UNITS
MPL13	13W Bi-Pin	**KFBP5**	13W Bi-Pin*
MQL26	26W Quad-Pin	**KFBP7**	26/32/42W Quad-Pin
MQL32	32W Quad-Pin		
MQL42	42W Quad-Pin		

**One used per "Emergency" lamp.*

BALLAST DATA NORMAL POWER						
LAMP WATTS	VOLTAGE AC	START AMPS	OPERATING AMPS	INPUT WATTS	BALLAST CIRCUIT	REGULATION
26Watt (2x13)	120 / 277	0.78/.70	0.6	32	NPF	—
39Watt (3X13)	120 / 277	1.17/1.05	0.9	48	NPF	—
26Watt (1x26)	120 through 277	—	.27@120V /.13 @277V	29	HPF	Electronic
32Watt (1X32)	120 through 277	—	.31@120V /.15 @277V	36	HPF	Electronic
42Watt (1X42)	120 through 277	—	.37@120V /.17 @277V	46	HPF	Electronic
52Watt (2x26)	120 through 277	—	.54@120V /.26 @277V	58	HPF	Electronic
64Watt (2X32)	120 through 277	—	.62@120V /.30 @277V	72	HPF	Electronic
84Watt (2X42)	120 through 277	—	.74@120V /.34 @277V	92	HPF	Electronic

For fixture dimensions use small tank VM series page L55.

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Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3

Compliances: UL 844; UL 1570, UL924 (File E162407)
UL Wet Location Listed (Indoor & Outdoor)
Rated for 40C° ambient. Minimum start 0° C
Temperature codes:
Class I C,D **T6**;
Class II E,F,G **T4**;
Suitable for Class III

FEATURES-SPECIFICATIONS

HOSTILE*LITE*® E
EMERGENCY

Applications

HOSTILE***LITE***® EEQ Emergency Lighting fixtures provide continuous illumination under normal power and switch to emergency battery backup during power outages. Emergency Units ONLY are available that operate only when normal power fails.

Units contain battery unit that provides the OSHA required 90 minutes of illumination (same lamp) for egress.

Units are designed for general and task lighting indoors or outdoors where flammable gases or vapors or combustible dusts exist and create a hazardous location, as defined by the NEC.

Use Push-To-Test station suitable for area of use for testing purposes. FXCS series control stations should be used for hazardous locations.

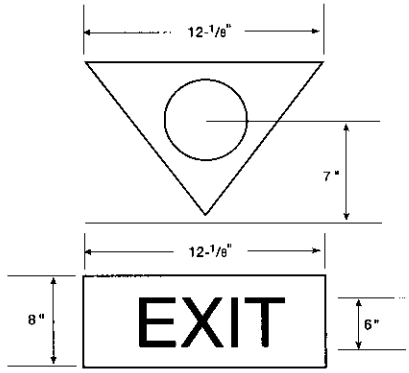
Features

- Quad-Pin long-life triple-tube compact fluorescent lamps **included**
- Choice of Pendant, Ceiling, Wall or Stanchion mount
- Factory Sealed - No external seal required
- Corrosion resistant-Copper-free aluminum (less than 4/10 of 1%) die-cast construction w/Baked-on epoxy/polyester powder finish
- Exposed hardware is 316 grade stainless steel
- LED charging indicator light visible through lens

Accessories

Exit sign: Model **HEXA-100** (note omit 2nd "**G**" in catalog number for globe-only fixture) see page L74.

Reflectors: Use standard dome **ERSD15** or angle model **ERA15** (see page L73).



EEQ 26, 32 & 42WATT NORMAL & EMERGENCY MODE FIXTURES

QUAD-PIN FLUOR. LAMP INCLUDED	LINE VOLTAGE @ 60 HZ	CATALOG NUMBER ③⑤⑥			
		PENDANT 3/4" ①	CEILING 3/4" ①	BRACKET 3/4" ①	STANCHION 1-1/4" ②
26Watt	120VAC④	EEQ2626E1A2GG	EEQ2626E1X2GG	EEQ2626E1B2GG	EEQ2626E1D4GG
32Watt	120VAC④	EEQ3232E1A2GG	EEQ3232E1X2GG	EEQ3232E1B2GG	EEQ3232E1D4GG
42Watt	120VAC④	EEQ4242E1A2GG	EEQ4242E1X2GG	EEQ4242E1B2GG	EEQ4242E1D4GG

EEQ 26, 32 & 42WATT EMERGENCY-ONLY MODE FIXTURES

QUAD-PIN FLUOR. LAMP INCLUDED	LINE VOLTAGE @ 60 HZ	CATALOG NUMBER ③⑤⑥			
		PENDANT 3/4" ①	CEILING 3/4" ①	BRACKET 3/4" ①	STANCHION 1-1/4" ②
26Watt	120 or 277VAC④	EEQ0026E10A2GG	EEQ0026E10X2GG	EEQ0026E10B2GG	EEQ0026E10D4GG
32Watt	120 or 277VAC④	EEQ0032E10A2GG	EEQ0032E10X2GG	EEQ0032E10B2GG	EEQ0032E10D4GG
42Watt	120 or 277VAC④	EEQ0042E10A2GG	EEQ0042E10X2GG	EEQ0042E10B2GG	EEQ0042E10D4GG

① *Pendant, Ceiling & Bracket models may be changed to 1" hubs by changing the 11th character from **2** to **3**; e.g. **EEQ2626E1A3GG** (12th character in EMERGENCY-ONLY MODE).*
② *Stanchion fixtures are 1-1/2" with a 1-1/2 to 1-1/4" reducer.*
③ *Omit 2nd "**G**" for globe-only fixture for use with **HEXA-100** Exit Accessory.*
④ *Normal and Emergency Mode Models are available in 277Volt; change the **1** in the catalog number to **4**. Emergency-Only Models are factory set to 120V and can be changed to 277Volt in field.*
⑤ *Standard color for fixtures is Killark beige. Add **-R** for RED adder.*
⑥ *EEQ fixtures use a tank extension ring and are 2-1/2" taller than EBF fixtures (see page L76).*
⑦ *Photometric characteristics similar to EBF26 page L85, except adjusted for lumen output.*

LUMEN OUTPUT⑦

LAMP SOURCE	NORMAL POWER	EMERG. POWER
26Watt	1800	450
32Watt	2400	575
42Watt	3200	750

BALLAST DATA

LAMP WATTS	VOLTAGE	OPERATING AMPS	INPUT WATTS	BALLAST CIRCUIT	REGULATION
26Watt (1x26)	120 / 277 VAC	.24@120V /.11 @277V	29	HPF	Electronic
32Watt (1X32)	120 / 277 VAC	.31@120V /.13 @277V	36	HPF	Electronic
42Watt (1x42)	122 / 277 VAC	.38@120V /.17 @277V	46	HPF	Electronic

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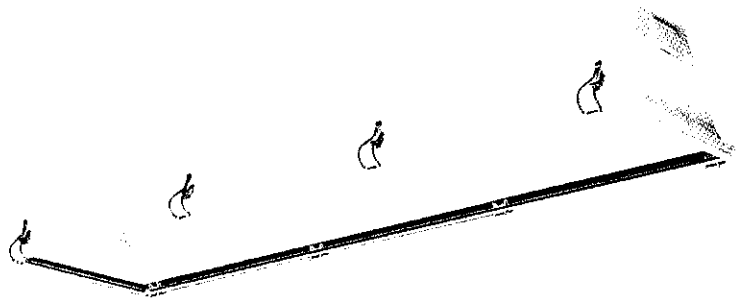
KILLARK®



Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 2 Groups F,G
NEMA 3, 4

UL Listed
Compliances: UL 44; UL 81570, UL924"
UL Wet Location Listed (Indoor & Outdoor)
UL Pending

FEATURES-SPECIFICATIONS

LINEAR*LITE*™ E
EMERGENCY

Applications

LINEAR*LITE*™ DBFE Emergency Lighting fixtures provide continuous illumination under normal power and switch to emergency battery backup during power outages. Units contain a battery unit that provides the OSHA required 90 minutes of illumination for egress.

Units are designed for general and task lighting in areas where flammable gases or vapors or combustible dusts may exist due to abnormal conditions, and create a Division 2 hazardous location, as defined by the NEC.

Features

- Sheet steel 20 ga. housing with continuous weld prevents foreign matter from entering enclosure
- Lens frame assembly has silicon rubber gasketing and heat tempered glass lens
- Electrostatically applied polyester finish
- NEMA 4 construction for wet locations
- LED charging indicator light visible through lens
- Push-To-Test Button mounted on sloping side of fixture - allows end-to-end mounting of fixtures

DBFE FLUORESCENT EMERGENCY LIGHTING

CATALOG NUMBER	CONDUIT SIZE	NUMBER OF LAMPS	LINE VOLTAGE 60 HERTZ	DESCRIPTION
DBFE23212	3/4"	2	120VAC	32W T8 electronic ballast 0°F start
DBFE23242			277VAC	Medium bi-pin base
DBFE24012			120VAC	40W T12 bi-pin 50°F start electronic
DBFE24042			277VAC	Medium bi-pin base
DBFE16012			120VAC	60W rapid start high output F48T12/HO
DBFE16042			277VAC	Recessed double contact 800MA
DBFE23213	3/4"	3	120VAC	32W T8 electronic ballast 0°F start
DBFE23243			277VAC	Medium bi-pin base
DBFE24013			120VAC	40W T12 bi-pin 50°F start electronic
DBFE24043			277VAC	Medium bi-pin base
KFBP3	(32/40 or 60 Watt) Replacement battery unit			

Notes: Emergency unit will start lamps at 0°F
32W T8 Electronic ballast minimum start is 0°F;
40W ballast is electronic with 50°F start (add CW for electromagnetic 0°F);
60W electromagnetic ballast start -20°F
32W & 40W units operate 2 Lamps in emergency mode for maximum illumination
60W units operate a single lamp. 3 Lamp 60W emergency units not available.
For dimensional data and mounting accessories, see DBF series page L106.

EMERGENCY LUMEN CHART

LAMPS	INITIAL LUMENS	AFTER 90 MINUTES
2 32W Lamps	850	455
2 40W Lamps	610	420
1 60W Lamp	780	460

DBFE HAZARDOUS LOCATION APPLICATION DATA

NO. OF LAMPS	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS I, DIV. 2, GROUPS A,B,C,D MAX. LAMP TEMP.°C UL/CSA TEMP./I.D.	CLASS II, DIV. 2, GROUPS E,F,G MAX. SURF. TEMP.°C UL/CSA TEMP./I.D.	NEMA TYPE 3 (RAINTIGHT)	NEMA TYPE 4 (HOSEDOWN)
2	32/40	40	90	T6 (85°C/185°F)	T6 (85°C/185°F)	YES	YES
3	32/40	40	90	T5 (100°C/212°F)	T6 (85°C/185°F)	YES	YES
2	60	40	90	T4A (120°C/248°F)	T6 (85°C/185°F)	YES	YES

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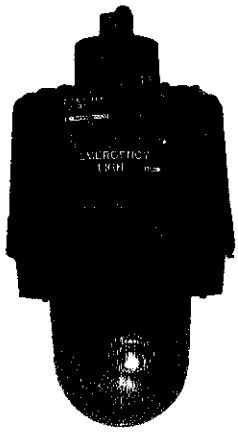

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2 Groups E,F,G
Class III, Div. 1 & 2
NEMA 7CD, 9EFG

UL Listed File E162407
UL-844 Electric Lighting Fixtures for use in Hazardous Locations
UL-924 Emergency Lighting & Power Equipment
CSA Certified File LR11713

FEATURES-SPECIFICATIONS

HOSTILE*LITE*® E
EMERGENCY

Applications

Where required by NEC, Life Safety Code, etc., to provide illumination during interruption of normal power to lighting system.

Hazardous Locations (gas, vapor, dust), include such areas as: Oil & Gas Refining, Production & Storage, Grain Processing, Paint Manufacture.

Features

- Three high intensity lamps can be independently adjusted to provide custom emergency lighting to a specific area
- Three 20 watt MR16 lamps included
- Pendant, bracket and ceiling mounting styles for a mounting arrangement that suits any lighting layout
- Remote hazardous location test station **(included)** allows testing of fixture at a convenient ground level location
- Dual voltage transformer can be connected to 120V or 277V systems
- Four tough, long life lead-acid batteries require no maintenance and have a 12 VDC output of 60 watts for 90 minutes
- Safety disconnect feature automatically disconnects lamps from battery if globe is removed
- Solid state battery charger has a low voltage disconnect feature
- Red pilot light, easily visible inside globe, indicates AC power is being supplied to batter charger
- Fixture housings are factory sealed by the electro-mechanical connection block
- The only wiring required is attaching supply wires to the integral female connection block in the mounting cap. Threading fixture onto mounting cap makes the electrical connection
- Electrical continuity is not made during assembly or disassembly without five or more threads secured to insure a flame path

EBB HALOGEN EMERGENCY LIGHTING

ANSI LAMP TYPE	WATTS	VOLTAGE①	HUB SIZE	CATALOG NUMBER		
				PENDANT	WALL	CEILING
MR16	3x20W	Dual 120, 277	3/4"	EBB32010A2	—	—
			1"	EBB32010A3	EBB32010B3	EBB32010X3

①*For 220V/50Hz, change 8th character to "7"; eg.* **EBB32017A2.**

EBB ACCESSORIES

CATALOG NUMBER	DESCRIPTION
EZG1	Guard (die cast aluminum)
VMPSD-40	Reflector (standard dome)
EBB-L12	MR16 12 volt lamp
17505AAAB	MR16 lamp socket
EBB-RB	Rechargeable battery (4 used per unit)
EBB-BC	Battery charger (circuit board)
17506AAAB	120 / 277V transformer
EBB-PL	LED pilot light

Remote test station allows "Push-To-Test" at a location convenient to the user, ***included.***

HAZARDOUS LOCATION APPLICATION DATA

LAMP TYPE	LAMP WATTS	RATED AMBIENT DEGREES	MAX SURFACE TEMPERATURE		
			CLASS I	CLASS II	SIMULTANEOUS CLASS I & II
MR16 Halogen	60W Total	40°C	T6 (85°C)	T5 (100°C)	T5 (100°C)

Note: EBB Series fixtures should not be stored for extended periods before energizing.

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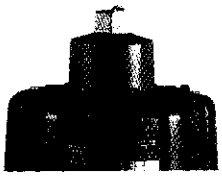
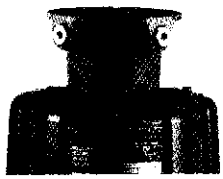
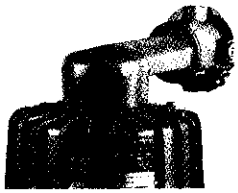


Pendant



Ceiling



Wall Mount

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2 Groups E,F,G
Class III, Div. 1 & 2
NEMA 7CD, 9EFG

UL Listed File E162407
UL-844 Electric Lighting Fixtures for use in Hazardous Locations
UL-924 Emergency Lighting & Power Equipment
CSA Certified File LR11713

FEATURES-SPECIFICATIONS

Dimensions: See EZ 50-250 Watt dimensions on page L97

Factory sealed; external seals not required

Cast of copper-free Aluminum (Less than 0.4% copper)

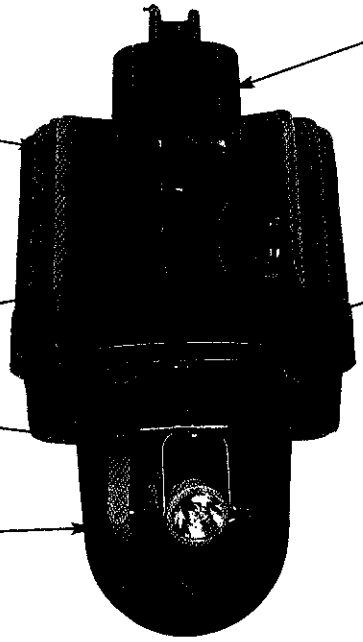
Electrostatically applied epoxy polyester finish is baked on for high density corrosion protection

*Four lead-acid batteries are maintenance free and provide 60 watts to the lamps for 90 minutes**

Red pilot light indicates AC power flow to battery charger

Lamps automatically disconnect from battery if globe is disengaged

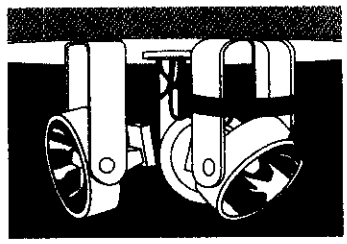
Glass globe prestressed for heat and impact resistance - Globe is internally fluted on sides and prismatic on bottom



Wireless assembly of fixture tank to mounting cap — Electro-mechanical male/female block allows fast, easy installation and bench top servicing without disconnecting supply wires

Nameplate displays Third Party Certifications and ratings in English and French (large red plate identifies it as an emergency fixture)

Acme double lead threads assure quick and trouble free assembly



Lamps adjustable on 2 axis for maximum aiming flexibility.

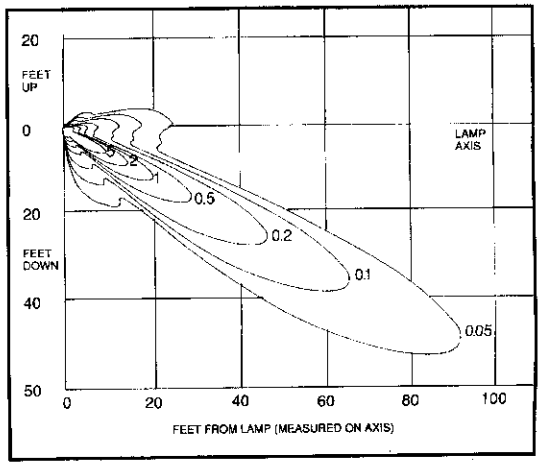
* *EBB Series fixtures should not be stored for extended periods before energizing.*

Photometrics

Typical vertical ISO foot candle distribution.

One 20 watt lamp aimed at 20° below horizontal.

Note: Some minor variations in light spread will occur as each lamp is rotated up/down within the glass globe.



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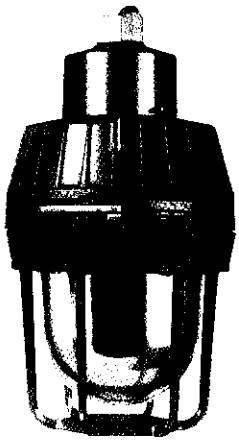
KILLARK



Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
UL Marine
NEMA 3, 4X
Factory sealed

UL Listed - File E84609

CSP Certified - File LR11713

FEATURES-SPECIFICATIONS

HOSTILE*LITE*®

Applications

HOSTILE***LITE***® ESX Series strobe fixtures can be an excellent warning device in hazardous, hostile or wet locations where hearing is impaired due to high ambient noise conditions.

Compliances

- UL-1203 explosion-proof and dust ignition-proof electrical equipment for use in hazardous (classified) locations
- UL-1638 visual signaling appliances
- UL Marine-type electric lighting fixtures
- NEMA 3, 4, 4X, 7CD, 9EFG

Specifications

- Ambient Temperature range –40°C to +55°C
- NEC temperature code, T6 (<85°C)
- Flash rate–85 flashes per minute
- Voltage and amperage:
  12-74 VDC:
  Draws 1.25A avg. @ 12 VDC
  tapering to 0.2A avg. @ 74 VDC

  .75A avg. @ 24 VDC

  120/240 VAC (50/60 HZ):
  Draws 0.30A avg. @ 120 VAC
  Draws 0.17A avg. @ 240 VAC
- Power supply output:
  13 watts standard
  11 watts for 12-74 VDC
- Intensity:

Clear	200 candela effective
Amber	170 candela effective
Blue	90 candela effective
Red	40 candela effective
Green	70 candela effective

Catalog Number Logic

ES X 0 0000 00 0 (CEN)*

Series Constant

Signal Type
X—Strobe

Lens Color
A—Amber
B—Blue
C—Clear
G—Green
R—Red

Voltage
120A—120 VAC 50/60 Hz.
240A—240 VAC 50/60 Hz.
1274—12 through 74 VDC

Mounting Style
A2—3/4" Pendant
A3—1" Pendant
X2—3/4" Ceiling
X3—1" Ceiling
B2—3/4" Bracket
B3—1" Bracket
D4—1-1/4"/1-1/2" Stanchion

Guard
G—Guard
Add letter "**G**" to end of catalog number if guard is required.

**CEN (CENELEC) approved option available. See pages L156 for more information. ESX Series strobes with CENELEC labeling are rated T6 by PTB.*

REPLACEMENT POWER SUPPLY	
CATALOG NUMBER	VOLTAGE
ESX120PS	120VAC, 50/60 HZ.
ESX240PS	240VAC, 50/60 HZ.
ESX1274PS	12-74 VDC

REPLACEMENT LENS & LAMP ASSEMBLY	
CATALOG NUMBER	DESCRIPTION
ESXAL	Amber
ESXBL	Blue
ESXCL	Clear
ESXGL	Green
ESXRL	Red

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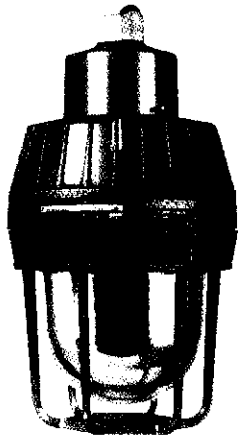


Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4X
Factory sealed

UL Listed - File E84609

CSA Certified - File LR11713

FEATURES-SPECIFICATIONS

PENDANT

CEILING

WALL

STANCHION

PENDANT EXS STROBE SIGNAL LIGHT①②

LAMP TYPE	HUB SIZE③	VOLTAGE @60 HERTZ	CATALOG NUMBER GLOBE AND GUARD
STROBE	3/4"	120 VAC, 50/60 HZ.	ESXR120AA2
		240 VAC, 50/60 HZ.	ESXR240AA2
		12-74 VDC	ESXR1274A2

CEILING EXS STROBE SIGNAL LIGHT①②

LAMP TYPE	HUB SIZE③	VOLTAGE @60 HERTZ	CATALOG NUMBER GLOBE AND GUARD
STROBE	3/4"	120 VAC, 50/60 HZ.	ESXR120AX2
		240 VAC, 50/60 HZ.	ESXR240AX2
		12-74 VDC	ESXR1274X2

WALL EXS STROBE SIGNAL LIGHT①②

LAMP TYPE	HUB SIZE③	VOLTAGE @60 HERTZ	CATALOG NUMBER GLOBE AND GUARD
STROBE	3/4"	120 VAC, 50/60 HZ.	ESXR120AB2
		240 VAC, 50/60 HZ.	ESXR240AB2
		12-74 VDC	ESXR1274B2

STANCHION EXS STROBE SIGNAL LIGHT①②

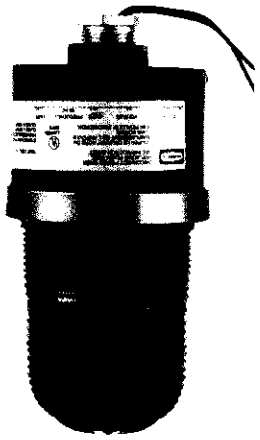
LAMP TYPE	HUB SIZE④	VOLTAGE @60 HERTZ	CATALOG NUMBER GLOBE AND GUARD
STROBE	1-1/4"	120 VAC, 50/60 HZ.	ESXR120AD4
		240 VAC, 50/60 HZ.	ESXR240AD4
		12-74 VDC	ESXR1274D4

*① Catalog numbers do not include guards. To order add letter "**G**" to end of catalog number or order **EMG2** separately.*
*② Catalog numbers include Red lens. To specify different colored lens, change fourth character in catalog number to one of the following: "**B**"=Blue, "**C**"=Clear, "**A**"=Amber, "**G**"=Green.*
*③ Standard hub size is 3/4" NPT. To order 1" NPT, change last character of catalog number from "**2**" to "**3**".*
④ Stanchion mount is standard with 1-1/2" NPT and a 1-1/2" NPT to 1-1/4" NPT reducer installed.

NOTE: See EM series for dimensions, page L76.

HUBBELL
KILLARK®

GSH SERIES • LIGHTING
STROBE SIGNAL FOR HAZARDOUS AND WET LOCATIONS



Class I, Div. 2, Groups C,D
Class I, Zone 2, Groups IIB, IIA
Class II, Div. 2, Group G
NEMA 3
Suitable for Indoor and Outdoor Use

UL-1638 Visual Signaling Appliances
UL File No. E121305
CSA File No. LR-97692

FEATURES-SPECIFICATIONS

Applications

With an all aluminum housing and polycarbonate lens assembly, the GSH Series Strobe Signal Light will withstand the rigors of everyday harsh usage - even in locations that are classified as "Hazardous". The GSH's helix shaped Xenon lamp produces 400 effective candela, making it visible over broad distances. This warning light can be used for plant evacuation or any other communication need.

Hazardous and Wet Locations in industrial facilities where high ambient noise levels prevent the use of audible signaling devices.

As a visual warning of a fault, leak, accident or other condition.

To indicate the status of a particular process or operation.

Features

- High-intensity strobe produces 400 candela with 60 flashes per minute
- Reliable solid state components
- All aluminum housing is compact in size and light in weight
- Polycarbonate Lexan lens resists breakage and impacts
- Available in four different globe colors and two voltages
- Designed for mounting with globe in up or down position

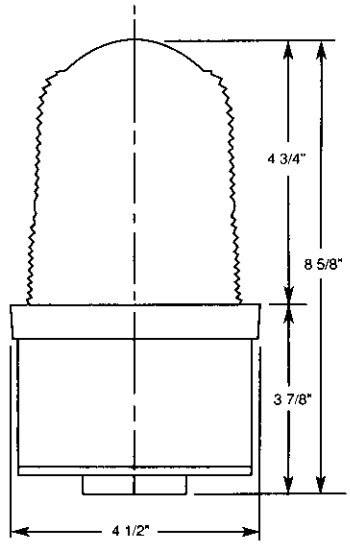
GSH STROBE SIGNAL LIGHT

VOLTAGE	HUB SIZE	CATALOG NUMBER			
		RED LENS	AMBER LENS	BLUE LENS	CLEAR LENS
120VAC. 50/60Hz.	1"	GSH-2-RA1	GSH-2-AA1	GSH-2-BA1	GSH-2-CA1
24VDC	1"	GSH-2-RD2	GSH-2-AD2	GSH-2-BD2	GSH-2-CD2
Replacement Lamp		ST77C			

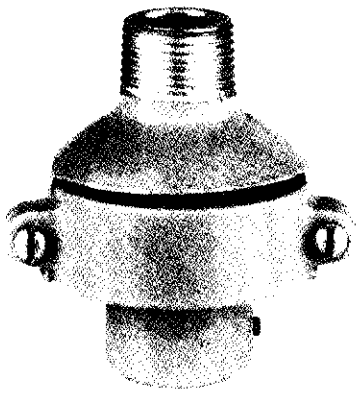
Specifications:

Lamp Life	2,000 hours
Style/Lamp	Xenon flash lamp
Shipping Weight	4 lbs.
Height	8-5/8"
Diameter	4-1/2"
Electrical Ratings	
120 VAC 50/60Hz	.28 Amps
24 VDC	.35 Amps

Temperature Code T4A (120°C/248°F)



HUBBELL
KILLARK



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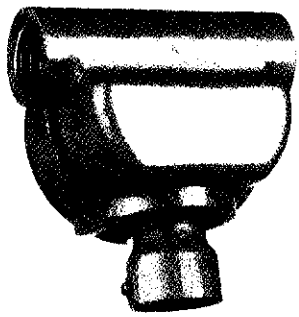

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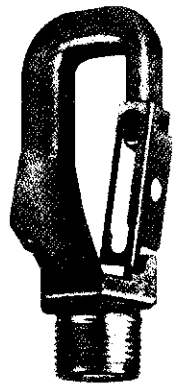


Hook/Loop

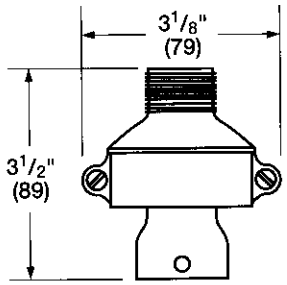
FEATURES-SPECIFICATIONS

FKA

Features

- Ball joint permits fixture to hang plumb. Fixture may swing up to 20° from vertical in any direction
- Cast of aluminum alloy (copper-free aluminum; less than 4/10 of 1%)
- Set screw locks fixture stem in place. Cannot accidently loosen
- Joint cannot twist conductor
- Suitable for fixtures up to 125 pounds

FKA		
CATALOG NUMBER	MALE THREAD	FIXTURE STEM SIZE
FKA-22	3/4"	3/4"



Listed - File E27731

Certified - File LR11851

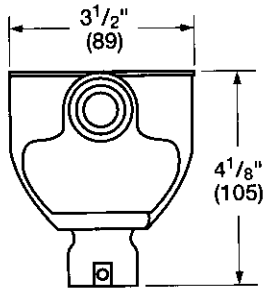
See files for details or call Killark.

FH

Features

- Combination splice box and flexible fixture hanger
- Ball joint permits fixture to hang plumb. Fixture may swing up to 20° from vertical
- Cast of aluminum alloy (copper-free aluminum; less than 4/10 of 1%)
- Set screw locks fixture stem in place
- Joint cannot twist conductors
- Cover may be removed for easy wiring
- Mounts directly to conduit
- Suitable for fixtures up to 125 pounds

FH			
TWO HUBS FEED THRU	THREE HUBS T	CONDUIT SIZE	FIXTURE STEM SIZE
FHC-11	—	1/2"	1/2"
FHC-12	—	1/2"	3/4"
FHC-21	FHT-21	3/4"	1/2"
FHC-22	FHT-22	3/4"	3/4"



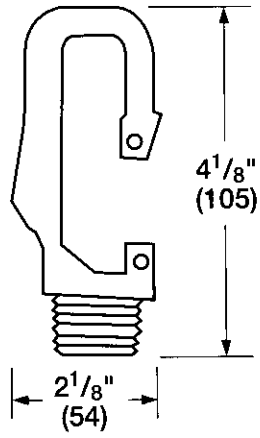
Listed - File E27731

HOOK/LOOP

Features

- Pendant fixture hanger consists of a "HOOK" and safety bar which allows conversion to a "LOOP" configuration as necessary
- 3/4" male thread
- Maximum load 125 pounds

HOOK/LOOP
CATALOG NUMBER
HOOK/LOOP



Listed - File E27731

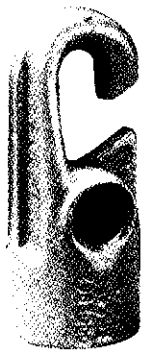
Certified - File LR11851

See files for details or call Killark.

HUBBELL

KILLARK

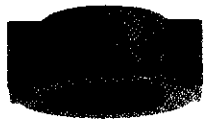
FH



Hook

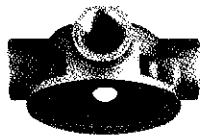
V Hanger Boxes

VGA



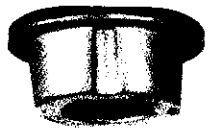
VGC

VGH



VGX

Covers



Flexible Hanger Covers

Hub Covers (for Rigid Mounting)

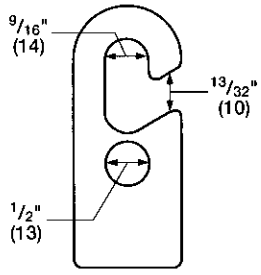
FEATURES-SPECIFICATIONS

FH HOOK

Features

- Economical hanger for pendant fixtures
- Fixtures may absorb minor bumps and vibration through free swinging action
- Hub provided with a set screw to prevent accidental loosening of fixture stem
- A 1/2 inch hole in body is for flexible cable. Cord may be assembled with plug for quick removal of fixtures
- Cast of aluminum alloy (copper-free—less than 4/10 of 1%)
- FH supports up to 125 pounds

FH HOOK, LOOP		
CATALOG NUMBER	DESCRIPTION	FIXTURE STEM SIZE
FH-2	Hook	3/4"



Listed - File E27731 or E3397
See files for details or call Killark.

V SERIES

Features

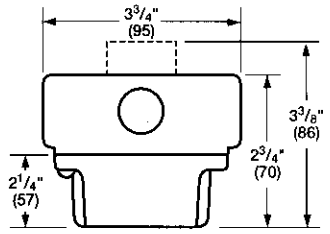
- Flexible fixture hanger for threaded fixture stem
- Enclosed and gasketed, suitable for wet locations
- Permits angular displacement of fixture without twisting wires
- Cushioned—absorbs shock and vibration. Internal strap assures ground continuity
- Combines splice box and hanger in one unit. Splice box available in four configurations
- Cast of corrosion resistant aluminum alloy (copper-free—less than 4/10 of 1%)
- Supports up to 125 pounds

Listed - File E27731 or E3397

FLEXIBLE HANGERS, V SERIES ENCLOSED AND GASKETED			
CATALOG NUMBER		HUB SIZE	FIXTURE STEM SIZE
HANGER W/SPLICE BOX	SPLICE BOX ONLY		
VPFHA-12	VGA-1	1/2"	3/4"
VPFHA-22	VGA-2	3/4"	3/4"
VPFHC-12	VGC-1	1/2"	3/4"
VPFHC-22	VGC-2	3/4"	3/4"
VPFHH-12	VGH-1	1/2"	3/4"
VPFHH-22	VGH-2	3/4"	3/4"
VPFHX-12	VGX-1	1/2"	3/4"
VPFHX-22	VGX-2	3/4"	3/4"

FIXTURE HANGERS ONLY		
CATALOG NUMBER	DESCRIPTION	FIXTURE STEM SIZE
VPFH-2	Flexible hanger cover, maximum load 125 Lbs.	3/4"
VG-2	Hub cover for rigid mounting	3/4"

See page L11 for other box configurations.



Flexible cover with box, dotted line is VGA pendant.

HUBBELL
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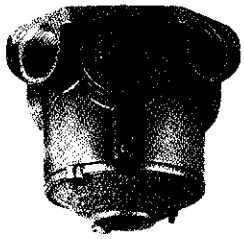
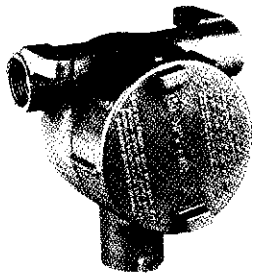
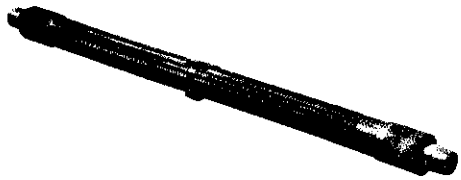


HXB



XFH



EKJ

FEATURES-SPECIFICATIONS

HXB

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

Features

- Fixture hanger for hazardous locations combining splice box and hanger
- Set screws in female hub prevents accidental loosening of fixture stem; set screws in hub cover lock cover to the splice box
- Four hubs in "X" configuration up to 3/4"
- Flange mounting ring cast as integral part of box
- Splice box wiring hole with cover for access to box interior
- Cast of corrosion resistant aluminum alloy (copper-free aluminum; less than 4/10 of 1%)
- Supports to 125 pounds

Listed - File E10514

Certified - File LR11716

HXB SPLICE BOX AND HANGER		
CATALOG NUMBER	CONDUIT HUB SIZE	FIXTURE STEM SIZE
HXB-11	1/2"	1/2"
HXB-12	1/2"	3/4"
HXB-21	3/4"	1/2"
HXB-22	3/4"	3/4"
HXBC	Blank Cover	

XFH

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

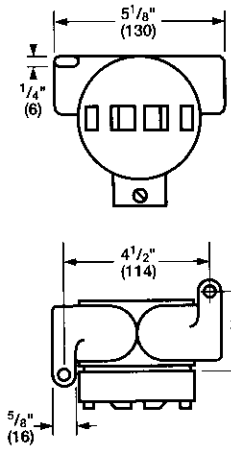
Features

- Fixture hanger for hazardous locations combining splice box and hanger
- Set screws in female hub prevents accidental loosening of fixture
- Straight through conduit hubs for through feed
- Mounting lugs are standard
- Cast of corrosion resistant aluminum alloy (copper-free aluminum; less than 4/10 of 1%)
- Supports to 125 pounds

Listed - File E10514

Certified - File LR11716

XFH SPLICE BOX AND HANGER		
CATALOG NUMBER	CONDUIT HUB SIZE	FIXTURE STEM SIZE
XFH-21	3/4"	1/2"
XFH-22	3/4"	3/4"



EKJ

Class I, Div. 1 & 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

Features

- Fixture pendant hanger for hazardous locations
- Permits free swing and plumb hang
- Set screws in each hub prevents accidental loosening of fixture
- Constructed of seamless bronze hose with brass outer braid. Asphaltum impregnated jute inner insulates and protects wire from abrasion. Brass female end fittings are supplied with short nipples
- Electrical ground continuity without bonding jumper
- Suitable for wet locations as well as hazardous locations
- Flexible lengths 4 to 18 inches
- Supports to 125 pounds

Listed - File E10514

Certified - File LR11716

EKJ FLEXIBLE PENDANT HANGER*		
CATALOG NUMBER	CONDUIT HUB SIZE	FIXTURE STEM SIZE
EKJ-14 EKJ-24	1/2" 3/4"	4"
EKJ-16 EKJ-26	1/2" 3/4"	6"
EKJ-18 EKJ-28	1/2" 3/4"	8"
EKJ-110 EKJ-210	1/2" 3/4"	10"
EKJ-112 EKJ-212	1/2" 3/4"	12"
EKJ-115 EKJ-215	1/2" 3/4"	15"
EKJ-118 EKJ-218	1/2" 3/4"	18"

*See page F65 for EKJ 1" sizes

HUBBELL
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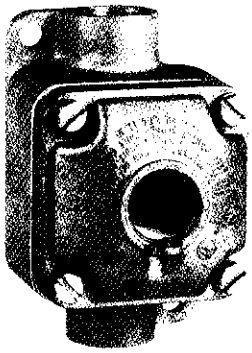
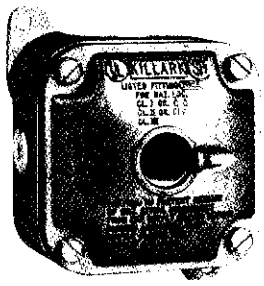
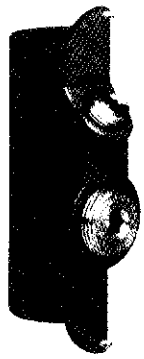


JL



JAL



ENY Pendant Seal

FEATURES-SPECIFICATIONS

JL/JAL

Class I, Div. 1 & 2, Groups C,D
Class I, Zones 1 & 2, Groups IIC,IIB
Class II, Div. 1 & 2, Groups E,F,G
Class III

Features

- Splice box and hub cover for mounting pendant fixtures in hazardous locations
- Conduit openings in two configurations
- Flange type cover. Set screw in hub prevents accidental loosenings of fixture stem
- Integral lugs for mounting box to ceiling
- Cast of corrosion resistant aluminum alloy (copper-free aluminum; less than 4/10 of 1%)
- Supports up to 125 pounds

Listed - File E10514

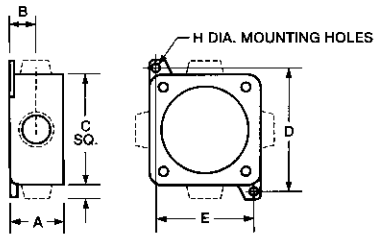
Certified - File LR11716

JL/JAL SPLICE BOX AND HUB COVER FIXTURE HANGER

CATALOG NUMBER		CONDUIT BOX	COVER	TYPE
JL SERIES W/HUB COVER	JAL SERIES W/HUB COVER			
JLC-11	—	1/2"	1/2"	C Straight Through
JLC-12	—	1/2"	3/4"	
JLC-21	—	3/4"	1/2"	
JLC-22	—	3/4"	3/4"	
JLX-11	JALX-11	1/2"	1/2"	X Four Hubs
JLX-12	JALX-12	1/2"	3/4"	
JLX-21	JALX-21	3/4"	1/2"	
JLX-22	JALX-22	3/4"	3/4"	
—	JALX-31	1"	1/2"	
—	JALX-32	1"	3/4"	

JL/JAL DIMENSIONS

SERIES	A	B	C	D	E	H
JL	1-15/16" (49)	11/16" (17)	3-1/4" (95)	4-7/32" (107)	2-3/8" (60)	5/16" (8)
JAL	2-3/8" (60)	15/32" (12)	4-5/8" (117)	5-1/4" (133)	4-1/8" (105)	5/16" (8)



ENY PENDANT SEALS

Class I, Div. 1 & 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIC,IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

Features

- ENY Pendant Seals are designed for hazardous locations and meet code requirements for a safety set-screw when hanging fixtures. Common applications are for Class I Division I Group B or Class I Zone 2 Ex nR restricted breathing fixtures
- Cast of corrosion resistant aluminum alloy (copper-free aluminum; less than 4/10 of 1%)
- Supports up to 125 pounds

See page F46 for sealing compound and packing fiber

CATALOG NUMBER	SIZE
ENY-2SET	3/4"
ENY-3SET	1"

HUBBELL
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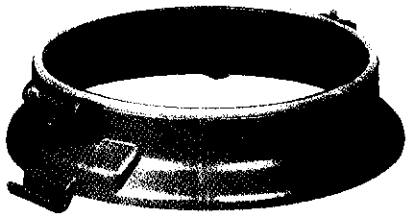


Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
NEMA 3, 4, 4X

UL 844 Listed

CSA Certified

FEATURES-SPECIFICATIONS

CERTILITE®

Applications

VMCHVM adapters are designed to ease upgrading of existing Crouse-Hinds® "**VM, LM, DM**" series fixtures to Killark "**VM**" CERTI***LITE***® fixtures. Units are primarily designed to aid replacement of old ceiling or wall mount units where removal of the existing mounting box and conduit would be difficult or time consuming. Adapter & Killark fixtures rated NEMA 4.

Adapters allow the upgrade of older Mercury Vapor fixtures to newer HID lamp sources, Compact Fluorescent Lamps, or to Emergency Lighting such as VEB or VEQ series.

Note: Adapters are used with Fixture Ballast Tanks (plus globes & guards), e.g. VMLO-0-900, VMG-17, VMAG-17. Complete fixture with mounting splice box is not required. Adapters are painted to match Killark beige fixture finish.

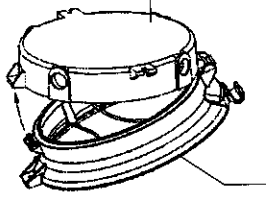
Features

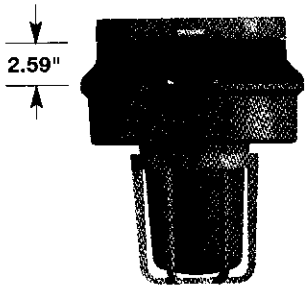
- Attachment screws permit secure adapter attachment to old mounting box and to new fixture
- Patented design

Temperature codes:

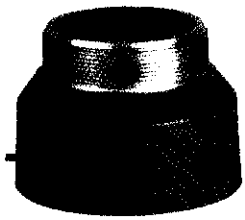
See VM series product pages L36-60 or as listed with other desired product series.

VM COMPETITIVE ADAPTER		
CATALOG NUMBER	DESCRIPTION	EXAMPLE OF MODEL UTILIZED OR REPLACED
VMCHVM	Crouse ceiling mount or wall mount splice box. Adapter allows simple attachment of Killark ballast tank to existing mount.	Ceiling mounts CM2, CM3 Wall mounts TWM2, TWM3

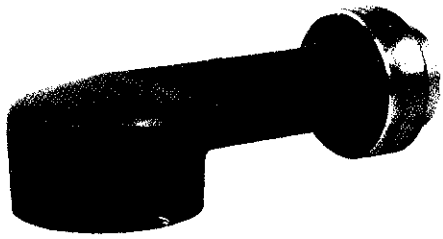




HUBBELL
KILLARK®



EAC/EACH



EZBA12

Class I, Div. 1 & 2, Group D
Class I, Zones 1 & 2, Groups IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III

UL 844 Listed

CSA Certified

FEATURES-SPECIFICATIONS

HOSTILE*LITE*®

Applications

EAC Series adapters are designed to ease upgrading of existing Crouse-Hinds® "EV" series or existing Killark "H" series to Killark HOSTILE***LITE***® EM or EZ series. Units are primarily designed to aid replacement of old ceiling or wall mount units where removal of the existing mounting box and conduit would be difficult or time consuming. Adapter & Killark fixtures rated NEMA 4.

Adapters allow the upgrade of older incandescent fixtures to newer Fluorescent or HID lamp sources, or to Emergency Lighting including ESX strobes or EEQ emergency series.

Note: Adapters are used with Fixture Housing, Globe, Globe Support assemblies, e.g. EBF261 & EMG1; EMS151 & EMG2; or EZH100 & EZG1. Complete fixture with mounting box is not required. Adapters are painted to match Killark beige fixture finish.

Features

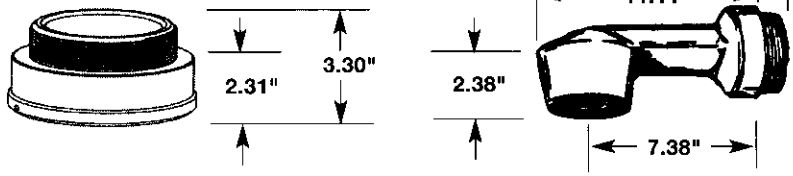
- Setscrews permit secure adapter attachment into old mounting box and to new fixture
- Converted fixtures may be easily removed for service using the Killark EZ mounting system. Wire terminals are included in the adapter (EZTB Terminal Block)

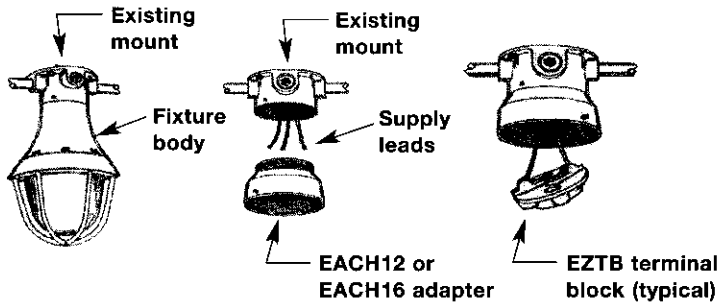
Temperature codes:

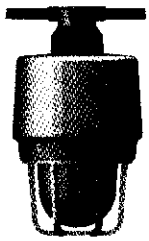
See EM/EB/EQ series pages L70 to L78
EZ series pages L89 to L99
ESX series pages L140 to L141
EEQ series page L136

EAC/EZBA FIXTURE ADAPTERS

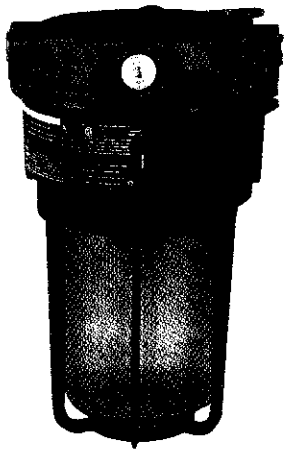
CATALOG NUMBER	DESCRIPTION	EXAMPLE OF MODEL UTILIZED OR REPLACED
EAC	Killark "H" series Ceiling or Wall	HXG-2-125 Fixture
EACH12	Crouse old style Ceiling Mount with lamp socket in adapter ring between fixture body and a GUF 12 pitch box	"GUF" box w/Set Screw
EZBA12	Crouse old style Wall Mount, old style Arm with integral lamp socket (socket in fixture in newer models) attached to GUF 12 pitch mounting box. EZBA12 includes arm	"GUF" box w/Set Screw
EACH16	Crouse newer style ceiling or wall fixtures w/lamp socket in fixture body; mounted to EV series 16 pitch threaded box; adapter fits in ceiling box or existing arm attached to wall fixture	EVA26/EV22 Box; EVBX240







HUBBELL
KILLARK®



II 3 G Ex nAR II
Ex nAR (non-sparking restricted breathing enclosure)
Zone 2 areas to EN60079-14
IP66 to EN60529

FEATURES-SPECIFICATIONS

Application

Ex nAR wellglass luminaire with high IP rating. Suitable for high pressure sodium, metal halide and GLS lamps in Zone 2 applications.

A lightweight wellglass luminaire which incorporates a restricted breathing lamp chamber and a non-restricted breathing, control gear housing. This eases access and maintenance of the control gear enclosure and removes the need for special cable or glands. The luminaire is tested to IP66 and is suitable for use in harsh environments.

All screws and brackets are manufactured from stainless steel or corrosive resistant aluminum, ensuring the reliability of this versatile luminaire.

Features

- Compact size and low weight
- Easy access for wiring and control gear
- Unrestricted breathing control gear enclosure removes the need for special glands or cable
- Corrosion resistant construction
- Excellent light distribution

Specifications

Enclosure—Painted copper-free aluminum, glass prometric globe (heat resistant). Silicone rubber gasket. Stainless steel fasteners

Entry—2xM20 tapped entries (M25 available, add M25 suffix)

Termination—Suitable for looping 6mm², 3 core cable to 16A max. current rating

Installation—Ceiling mount standard

Control Gear—Internal, contained within unrestricted breathing enclosure. Standard with cutout for protection from overheating on HID models

Power Factor Correction—Incorporated to 0.85 min for discharge lamps

Relamping—Via sealed lamp chamber

Burning Position—Lamp base up ±25° off vertical

Compliance

Apparatus Standard—EN50021

Certificate—ATEX Type examination EECS BAS98ATEX3197X (BASEEFA)

ECLIPSE JUNIOR - CEILING MOUNT① WITH GLOBE

CATALOG NUMBER	LAMPS	WATTS	LAMP BASE	RATED SUPPLY	AMBIENT RATING C°	T CLASS
ECJN/70/MS/CM/50Hz ECJN/70/MS/CM/60Hz	SON; MBI	70	E27	220-254V 50Hz② 220-254V 60Hz②	50	T4
ECJN/100/HS/CM/50Hz ECJN/100/HS/CM/60Hz	SON	100	E27	220-254V 50Hz② 220-254V 60Hz②	45	T3
ECJN/80/MV/CM/50Hz ECJN/80/MV/CM/60Hz	MV	80	E27	220-254V 50Hz② 220-254V 60Hz②	50	T3
ECJN/150/GL/CM/50Hz	GLS③	150	E27	250V MAX AC/DC	55	T4
ECJN/26/CF/CM/50Hz ECJN/26/CF/CM/60Hz	CFL	26	G24q	240V 50Hz④ 240 60Hz④	40	T3

① *All fixtures are "**CM**" ceiling mount.*
*For pole mount change **CM** in catalog number to **P***
*For wall mount change **CM** in catalog number to **W***
*For pendant mount change **CM** in catalog number to **PD***

② *Ballasts are multitap for 220, 230, 240, 254.*

③ *Incandescent type.*

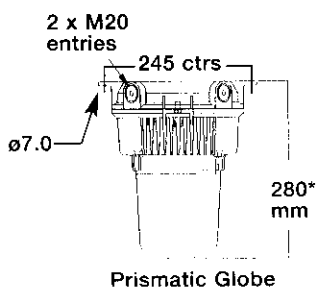
④ *For other voltages consult factory.*

ECL OPTIONS

CATALOG NUMBER	DESCRIPTION
ECJ-CG	Cast guard (painted aluminum)
ECJ-DR	Dome reflector*
ECJ-AR	30° Angle reflector*

White Fiberglass

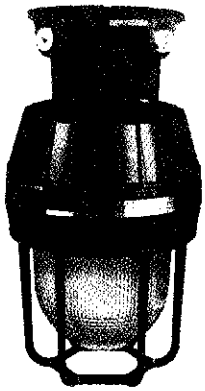
Dimensions



Prismatic Globe

*ECJN/100 is 300mm

Chalmit lighting



EEx d IIB T6 (or T5-T2)
PTB No. Ex-98.E.1076
Apparatus for atmospheres
Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X, 7CD, 9EFG
Factory Sealed

Listed - File E10514 and E91793

Certified - File LR11713

FEATURES-SPECIFICATIONS

HOSTILELITE®

Applications

Killark EM/EB/ESX HOSTILE*LITE*® series fixtures are available with a European "Certificate of Conformity" from PTB (Physikalisch-Technische Bundesanstalt), the approval agency based in Germany. Fixtures with this rating will be useful for Original Equipment Manufacturers and others who build and ship apparatus into European markets.

This approval is granted by PTB with the use of a special ground lug and label. Fixtures carrying an EEx d IIB approval are automatically granted an IP54 (ingress protection) rating. See separate Temperature Code chart for PTB certified ratings. Killark EM/EB/ESX fixtures with the PTB rating and labels still carry all UL & CSA ratings.

Fixture housing/globe/globe support assemblies (e.g. EM120 CEN) may be ordered with the CEN suffix. Complete fixture numbers, with the CEN suffix, will be shipped with the mounting boxes, guards and accessories as component parts. Reflectors and other accessory parts, as listed on pages L73-74, may be used. Killark fixtures are NPT tapped and plugged with at least one conduit hole open; Metric to NPT adapters are available from Killark. Contact the factory for specific part numbers.

See standard EM/EB/EQ section for:

- Photometric details
- Replacement component parts
- Accessories
- Dimensional information

Compliances

- EN 50014:1992
- EN 50018:1994
- UL-844 Electric Lighting Fixtures for use in Hazardous Locations
- UL Marine Type Electric Lighting Fixtures
- UL-1572 Standard for HID Lighting Fixtures
- CSA C22.2 no. 137-M1981 Electric Luminaires for use in Hazardous Locations
- CSA C22.2 no. 94-1976 Special purpose enclosure
- NEMA 3, 4, 4x, 7CD, 9EFG

Catalog Number Logic

E 0 0 00 0 00 0 - 00 CEN

Series Constant

Lamp Base
M—Medium Base (E26)
B—Bi-Pin Base
Q—Quad-Pin Base

Lamp Type
I—Incandescent (250VAC Max)
F—Fluorescent
S—HPS
H—MH
M—MV

Lamp Wattage
15—150W, A-21, INC
20—300W, PS-25, INC
30—300W, PS-30, INC
13—(1) 13W, PL FLUOR
26—(2) 13W Bi-Pin or (1) Quad-Pin 26Watt FLUOR
32—Quad-Pin FLUOR
35—35W, HPS
42—Quad-Pin FLUOR
05—50W, HPS, MH, MV
07—70W, HPS, MH
75—75W, MV
10—100W, HPS, MH, MV
15—150W, HPS

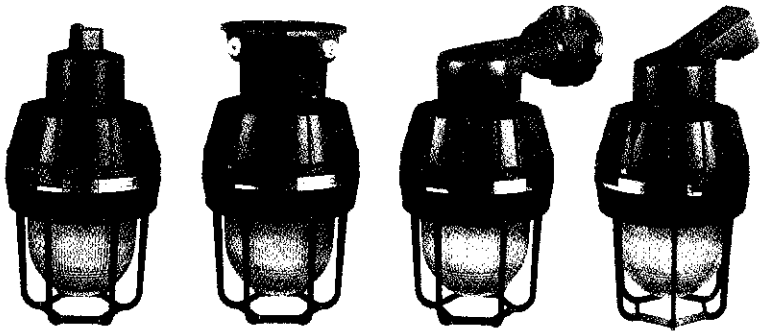
Voltage @ 60 Hertz
0—Quadri-Volt
1—120
4—277
5—480
30—120-277 50/60 Hz EQF Quad-Pin Only

Mounting Type
A2—3/4" Pendant
A3—1" Pendant
X2—3/4" Ceiling
X3—1" Ceiling
B2—3/4" Bracket
B3—1" Bracket
D4—1-1/4"/1-1/2" Stanchion

Guard
G—Omit G if guard is not required

Options
ML—UL Marine Listing for EMI Standard on EMS, EMM and EMH) Not available on EBF, EQF

HUBBELL®
KILLARK®



EEx d IIB T6 (or T5-T2)
PTB No. Ex-98.E.1076
Apparatus for atmospheres
Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X, 7CD, 9EFG
Factory Sealed

Listed - File E10514 and E91793

Certified - File LR11713

ORDERING INFORMATION

EM 60–300W MEDIUM BASE INCANDESCENT①

LAMP TYPE	LAMP/WATTS	LAMP SIZE	CATALOG NUMBER④			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
INC	60, 75, 100, 150	A-19, A-21	EMI15A2G CEN	EMI15X2G CEN	EMI15B2G CEN	EMI15D4G CEN
	100, 150, 200, 300	A-23, PS-25	EMI20A2G CEN	EMI20X2G CEN	EMI20B2G CEN	EMI20D4G CEN
	200, 300	PS-25, PS-30	EMI30A2G CEN	EMI30X2G CEN	EMI30B2G CEN	EMI30D4G CEN

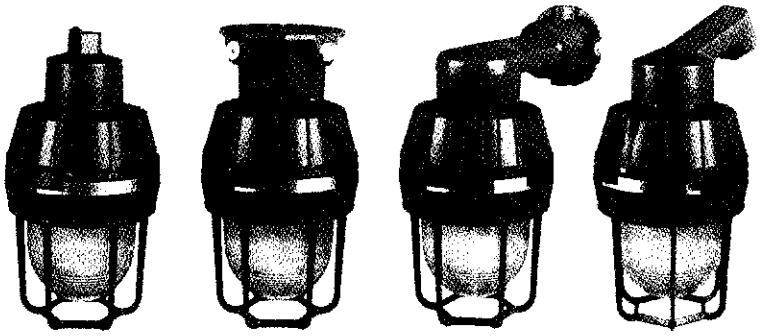
EBF 13-26W Bi-Pin FLUORESCENT

LAMP TYPE	Bi-Pin FLUORESCENT⑤		CATALOG NUMBER④			
	LAMP/WATTS	VOLTAGE @60 HERTZ	PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
COMPACT FLUOR.	13 (1 X 13)	120	EBF131A2G CEN	EBF131X2G CEN	EBF131B2G CEN	EBF131D4G CEN
	13 (1 X 13)	277	EBF134A2G CEN	EBF134X2G CEN	EBF134B2G CEN	EBF134D4G CEN
	13 (2 X 13)	120	EBF261A2G CEN	EBF261X2G CEN	EBF261B2G CEN	EBF261D4G CEN
	13 (2 X 13)	277	EBF264A2G CEN	EBF264X2G CEN	EBF264B2G CEN	EBF264D4G CEN

EQF 26-42W WORLD VOLTAGE QUAD-PIN COMPACT FLUORESCENT①

LAMP TYPE	QUAD-PIN FLUORESCENT⑤		CATALOG NUMBER④⑥			
	LAMP INCLUDED	VOLTAGE @60 HERTZ	PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
COMPACT FLUOR.	26 Watt	120-277VAC 50-60Hz	EQF2630A2G CEN	EQF2630X2G CEN	EQF2630B2G CEN	EQF2630D4G CEN
	32 Watt	120-277VAC 50-60Hz	EQF3230A2G CEN	EQF3230X2G CEN	EQF3230B2G CEN	EQF3230D4G CEN
	42 Watt	120-277VAC 50-60Hz	EQF4230A2G CEN	EQF4230X2G CEN	EQF4230B2G CEN	EQF4230D4G CEN

① See Hazardous Location Application Data on page L156 for specific suitabilities.
*② For 1" pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number; example: **EMI15A3G CEN.***
③ Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (refer to catalog logic).
*④ Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
⑤ Minimum starting temperature is 0°F. Lamps supplied with fixture.
⑥ EQF fixtures use a tank extension ring and are 2.5" taller than EBF fixtures.
NOTE: Reflectors must be ordered separately (see page L73). All luminaires are designed for mounting with lamp in base up position.



EEx d IIB T6 (or T5-T2)
PTB No. Ex-98.E.1076
Apparatus for atmospheres
Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X, 7CD, 9EFG
Factory Sealed

Listed - File E10514 and E91793

Certified - File LR11713

ORDERING INFORMATION

EM 35-150W MEDIUM BASE HIGH PRESSURE SODIUM①④

LAMP TYPE	LAMP WATTS	ANSI LAMP TYPE	VOLTAGE @60 HERTZ	CATALOG NUMBER④			
				PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
HPS	35	S-76	120	EMS351A2G CEN	EMS351X2G CEN	EMS351B2G CEN	EMS351D4G CEN
	50	S-68	120, 208, 240, 277	EMS050A2G CEN	EMS050X2G CEN	EMS050B2G CEN	EMS050D4G CEN
	70	S-62	120, 208, 240, 277	EMS070A2G CEN	EMS070X2G CEN	EMS070B2G CEN	EMS070D4G CEN
	70	S-62	480	EMS075A2G CEN	EMS075X2G CEN	EMS075B2G CEN	EMS075D4G CEN
	100	S-54	120, 208, 240, 277	EMS100A2G CEN	EMS100X2G CEN	EMS100B2G CEN	EMS100D4G CEN
	100	S-54	480	EMS105A2G CEN	EMS105X2G CEN	EMS105B2G CEN	EMS105D4G CEN
	150	S-55	120	EMS151A2G CEN	EMS151X2G CEN	EMS151B2G CEN	EMS151D4G CEN

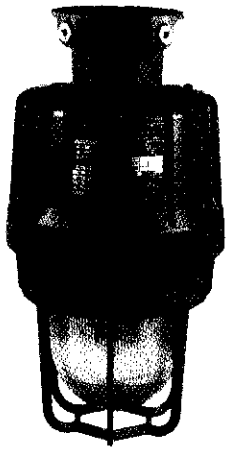
EM 50-100W MEDIUM BASE METAL HALIDE①④

LAMP TYPE	LAMP WATTS	ANSI LAMP TYPE	VOLTAGE @60 HERTZ	CATALOG NUMBER④			
				PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
MH	50	M-110	120, 208, 240, 277	EMH050A2G CEN	EMH050X2G CEN	EMH050B2G CEN	EMH050D4G CEN
	70	M-98	120, 208, 240, 277	EMH070A2G CEN	EMH070X2G CEN	EMH070B2G CEN	EMH070D4G CEN
	100	M-90	120, 208, 240, 277	EMH100A2G CEN	EMH100X2G CEN	EMH100B2G CEN	EMH100D4G CEN

EM 50-100W MEDIUM BASE MERCURY VAPOR①④

LAMP TYPE	LAMP WATTS	ANSI LAMP TYPE	VOLTAGE @60 HERTZ	CATALOG NUMBER④			
				PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
MV	50	H-46	120, 277	EMM0510A2G CEN	EMM0510X2G CEN	EMM0510B2G CEN	EMM0510D4G CEN
	75	H-43	120	EMM751A2G CEN	EMM751X2G CEN	EMM751B2G CEN	EMM751D4G CEN
	75	H-43	277	EMM754A2G CEN	EMM754X2G CEN	EMM754B2G CEN	EMM754D4G CEN
	100	H-43	120, 208, 240, 277	EMM100A2G CEN	EMM100X2G CEN	EMM100B2G CEN	EMM100D4G CEN
	100	H-43	480	EMM105A2G CEN	EMM105X2G CEN	EMM105B2G CEN	EMM105D4G CEN

① See Hazardous Location Application Data on page L156 for specific suitabilities.
*② For 1" pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number; example: **EMS351A3G CEN**.*
③ Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (refer to catalog logic).
*④ Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
NOTE: Reflectors must be ordered separately (see page L73). All luminaires are designed for mounting with lamp in base up position.



EEx d IIB T6 (or T5-T2)
PTB No. Ex-98.E.1076
Apparatus for atmospheres
Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X, 7CD, 9EFG
Factory Sealed

Listed - File E10514 and E91793

Certified - File LR11713

FEATURES-SPECIFICATIONS

HOSTILE*LITE*®

Applications

Killark EZ HOSTILE*LITE*® EZ Series fixtures are available with a European "Certificate of Conformity" from PTB (Physikalisch-Technische Bundesanstalt), the approval agency based in Germany. Fixtures with this rating will be useful for Original Equipment Manufacturers and others who build and ship apparatus into European markets.

This approval is granted by PTB with the use of a special external ground lug and label. Fixtures carrying an EEx d IIB approval are automatically granted an IP54 (ingress protection) rating. See separate Temperature Code chart for PTB certified ratings. Killark EZ fixtures with the PTB rating and labels still carry all UL & CSA ratings.

Fixture housing/globe/globe support assemblies may be ordered with the CEN suffix (e.g. EZSO50 CEN). Complete fixture numbers, with the CEN suffix, will be shipped with the mounting boxes, guards and accessories as component parts. Reflectors and other accessory parts, as listed on page L96, may be used. Killark fixtures are NPT tapped and plugged with at least one conduit hole open; Metric to NPT adapters are available from Killark and are listed in the fittings section.

See standard EZ section for:

- Photometric Details
- Replacement component parts
- Accessories
- Dimension information

Features

- Four light sources:
  —High Pressure Sodium, 50-400W
  —Metal Halide, 70-400W
  —Pulse Start Metal Halide, 175-400W
  —Mercury Vapor, 100-400W
- E-39 mogul Lamp Holder
- Mounting choice—Pendant, ceiling, 25° stanchion or 90° wall mount, all with "wireless" design that allows fast, easy fixture installation or removal for maintenance
- Factory sealed—No external seal needed. Simply wire mounting cap and thread on fixture to install
- Corrosion resistant—Copper-free aluminum die cast construction. Baked powder epoxy finish, electrostatically applied. Exposed hardware is 316 grade stainless steel
- Accessories—Available with or without guard, standard dome or angle reflector
- Options—EZ Series fixtures can be specified with instant restart for HPS lamps, auxiliary quartz circuit, ballast protector, and fuse kits. (See pages L94-96 for details.)

Compliances

- EN 50014:1992
- EN 50018:1994
- UL-844 Electric Lighting Fixtures for use in Hazardous Locations
- UL Marine Type Electric Lighting Fixtures
- UL-1572 Standard for HID Lighting Fixtures
- CSA C22.2 no. 137-M1981 Electric Luminaires for use in Hazardous Locations
- CSA C22.2 no. 94-1976 Special purpose enclosure
- NEMA 3, 4, 4X, 7CD, 9EFG

Catalog Number Logic

EZ 0 00 0 00 0 - 00 CEN

Series Constant

Lamp Type
S—High Pressure Sodium
H—Metal Halide
M—Mercury Vapor
P—MHP

Lamp Wattage
05—50 Watt HPS
07—70 Watt HPS/MH
10—100 Watt HPS/MH/MV
15—150 Watt HPS/MH
17—175 Watt MH/MV/MHP
25—250 Watt HPS/MH/MV/MHP
32—320 Watt MHP
35—350 Watt MHP
40—400 Watt HPS/MH/MV/MHP

Voltage
0—Quadri-Volt, 60 Hz. (120, 208, 240, 277)
5—480 Volts, 60 Hz.
6—TriTap Canada (120, 277, 347), 60 Hz.
8—220/240 Volt, 50 Hz.
9—Special (Specify)

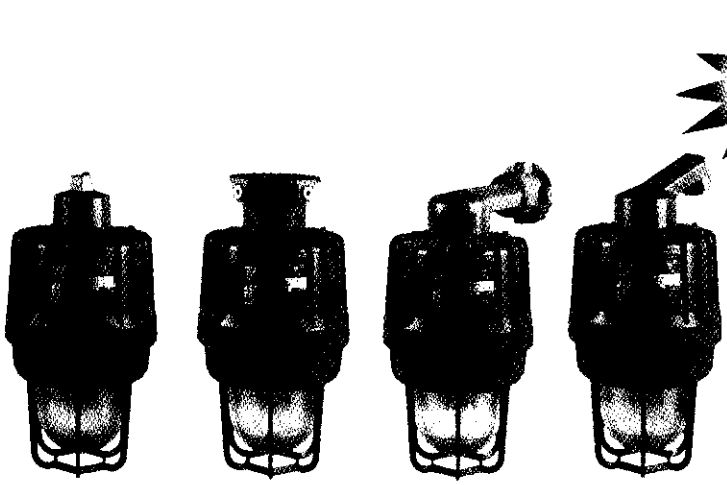
Guard
G—Guard (Omit G if guard is not required)

Mounting Type
A2—3/4" Pendant
A3—1" Pendant
X2—3/4" Ceiling
X3—1" Ceiling
B2—3/4" Bracket
B3—1" Bracket
D4—1-1/4"/1-1/2" Stanchion

Options
Q—Auxiliary Quartz Stanby
R—Instant Restrike (150W HPS Max)
BP—Ballast Protector
PS—Paint Spray (50, 70, 100W HPS, 100W MV, 70, 100, MH)

HUBBELL
KILLARK

EZ SERIES • LIGHTING
HOSTILELITE HIGH PRESSURE SODIUM/METAL HALIDE 50-400W



EEx d IIB T6 (or T5-T2)
PTB No. Ex-98.E.1076
Apparatus for atmospheres EN 50014:1992
EN 50018:1994
Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X, 7CD, 9EFG
Factory Sealed

Listed - File E10514 and E91793

Certified - File LR11713

ORDERING INFORMATION

CENELEC 50-400 WATT, HIGH PRESSURE SODIUM①④

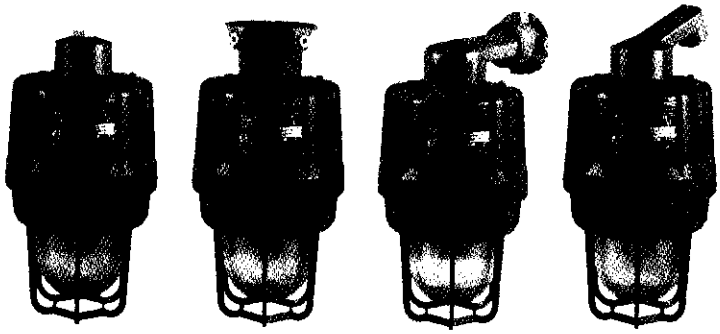
WATTS	ANSI LAMP	VOLTAGE	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
50	S-68	120/208/240/277 60Hz	EZS050A2G CEN	EZS050X2G CEN	EZS050B2G CEN	EZS050D2G CEN
		220/240 50Hz	EZS058A2G CEN	EZS058X2G CEN	EZS058B2G CEN	EZS058D4G CEN
		480	—	—	—	—
70	S-62	120/208/240/277 60Hz	EZS070A2G CEN	EZS070X2G CEN	EZS070B2G CEN	EZS070D4G CEN
		220/240 50Hz	EZS078A2G CEN	EZS078X2G CEN	EZS078B2G CEN	EZS078D4G CEN
		480	EZS075A2G CEN	EZS075X2G CEN	EZS075B2G CEN	EZS075D4G CEN
100	S-54	120/208/240/277 60Hz	EZS100A2G CEN	EZS100X2G CEN	EZS100B2G CEN	EZS100D4G CEN
		220/240 50Hz	EZS108A2G CEN	EZS108X2G CEN	EZS108B2G CEN	EZS108D4G CEN
		480	EZS105A2G CEN	EZS105X2G CEN	EZS105B2G CEN	EZS105D4G CEN
150	S-55	120/208/240/277 60Hz	EZS150A2G CEN	EZS150X2G CEN	EZS150B2G CEN	EZS150D4G CEN
		220/240 50Hz	EZS158A2G CEN	EZS158X2G CEN	EZS158B2G CEN	EZS158D4G CEN
		480	EZS155A2G CEN	EZS155X2G CEN	EZS155B2G CEN	EZS155D4G CEN
250	S-50	120/208/240/277 60Hz	EZS250A2G CEN	EZS250X2G CEN	EZS250B2G CEN	EZS250D4G CEN
		220/240 50Hz	EZS258A2G CEN	EZS258X2G CEN	EZS258B2G CEN	EZS258D4G CEN
		480	EZS255A2G CEN	EZS255X2G CEN	EZS255B2G CEN	EZS255D4G CEN
400	S-51	120/208/240/277 60Hz	EZS400A2G CEN	EZS400X2G CEN	EZS400B2G CEN	EZS400D4G CEN
		220/240 50Hz	EZS408A2G CEN	EZS408X2G CEN	EZS408B2G CEN	EZS408D4G CEN
		480	EZS405A2G CEN	EZS405X2G CEN	EZS405B2G CEN	EZS405D4G CEN

CENELEC 70-400 WATT, METAL HALIDE①④

WATTS	ANSI LAMP	VOLTAGE	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
70	M-98	120/208/240/277 60Hz	EZH070A2G CEN	EZH070X2G CEN	EZH070B2G CEN	EZH070D4G CEN
		220/240 50Hz	EZH078A2G CEN	EZH078X2G CEN	EZH078B2G CEN	EZH078D4G CEN
		480	EZH075A2G CEN	EZH075X2G CEN	EZH075B2G CEN	EZH075D4G CEN
100	M-90	120/208/240/277 60Hz	EZH100A2G CEN	EZH100X2G CEN	EZH100B2G CEN	EZH100D4G CEN
		220/240 50Hz	EZH108A2G CEN	EZH108X2G CEN	EZH108B2G CEN	EZH108D4G CEN
		480	EZH105A2G CEN	EZH105X2G CEN	EZH105B2G CEN	EZH105D4G CEN
175	M-57⑤	120/208/240/277 60Hz	EZH170A2G CEN	EZH170X2G CEN	EZH170B2G CEN	EZH170D4G CEN
		220/240 50Hz	EZH178A2G CEN	EZH178X2G CEN	EZH178B2G CEN	EZH178D4G CEN
		480	EZH175A2G CEN	EZH175X2G CEN	EZH175B2G CEN	EZH175D4G CEN
250	M-58	120/208/240/277 60Hz	EZH250A2G CEN	EZH250X2G CEN	EZH250B2G CEN	EZH250D4G CEN
		220/240 50Hz	EZH258A2G CEN	EZH258X2G CEN	EZH258B2G CEN	EZH258D4G CEN
		480	EZH255A2G CEN	EZH255X2G CEN	EZH255B2G CEN	EZH255D4G CEN
400	M-59	120/208/240/277 60Hz	EZH400A2G CEN	EZH400X2G CEN	EZH400B2G CEN	EZH400D4G CEN
		220/240 50Hz	EZH408A2G CEN	EZH408X2G CEN	EZH408B2G CEN	EZH408D4G CEN
		480	EZH405A2G CEN	EZH405X2G CEN	EZH405B2G CEN	EZH405D4G CEN

① *See Hazardous Location Application Data on page L156 for specific suitabilities.*
② *For 1 inch pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number; example: **EZH070A3G CEN**.*
③ *Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (Refer to catalog logic).*
④ *Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
⑤ *Will also operate 150W M107 Metal Halide Lamps.*
NOTE: Reflectors must be ordered separately (see page L96).
All luminaires are designed for mounting with lamp in base up position.

HUBBELL
KILLARK



EEx d IIB T6 (or T5-T2)
PTB No. Ex-98.E.1076
Apparatus for atmospheres EN 50014:1992
EN 50018:1994
Class I, Div. 1 & 2 Groups C,D
Class I, Zone 1 & 2, Groups IIB,IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, Div. 1 & 2
Suitable for wet locations
Marine
NEMA 3, 4, 4X, 7CD, 9EFG
Factory Sealed

Listed - File E10514 and E91793

Certified - File LR11713

ORDERING INFORMATION

CENELEC 175-400 WATT, PULSE START METAL HALIDE①④

WATTS	ANSI LAMP	VOLTAGE	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
175	M-137	120/208/240/277 60Hz	EZP170A2G CEN	EZP170X2G CEN	EZP170B2G CEN	EZP170D4G CEN
		—	—	—	—	—
		480	EZP175A2G CEN	EZP175X2G CEN	EZP175B2G CEN	EZP175D4G CEN
250	M-138	120/208/240/277 60Hz	EZP250A2G CEN	EZP250X2G CEN	EZP250B2G CEN	EZP250D4G CEN
		—	—	—	—	—
		480	EZP255A2G CEN	EZP255X2G CEN	EZP255B2G CEN	EZP255D4G CEN
320	M-132	120/208/240/277 60Hz	EZP320A2G CEN	EZP320X2G CEN	EZP320B2G CEN	EZP320D4G CEN
		220/240 50Hz	EZP328A2G CEN	EZP328X2G CEN	EZP328B2G CEN	EZP328D4G CEN
		480	EZP325A2G CEN	EZP325X2G CEN	EZP325B2G CEN	EZP325D4G CEN
350	M-131	120/208/240/277 60Hz	EZP350A2G CEN	EZP350X2G CEN	EZP350B2G CEN	EZP350D4G CEN
		220/240 50Hz	EZP358A2G CEN	EZP358X2G CEN	EZP358B2G CEN	EZP358D4G CEN
		480	EZP355A2G CEN	EZP355X2G CEN	EZP355B2G CEN	EZP355D4G CEN
400	M-135	120/208/240/277 60Hz	EZP400A2G CEN	EZP400X2G CEN	EZP400B2G CEN	EZP400D4G CEN
		220/240 50Hz	EZP408A2G CEN	EZP408X2G CEN	EZP408B2G CEN	EZP408D4G CEN
		480	EZP405A2G CEN	EZP405X2G CEN	EZP405B2G CEN	EZP405D4G CEN

CENELEC 100-400 WATT, MERCURY VAPOR①④

WATTS	ANSI LAMP	VOLTAGE	CATALOG NUMBER			
			PENDANT 3/4"②	CEILING 3/4"②	WALL 3/4"②	STANCHION 1-1/4"③
100	H-38	120/208/240/277 60Hz	EZM100A2G CEN	EZM100X2G CEN	EZM100B2G CEN	EZM100D4G CEN
		220/240 50Hz	EZM108A2G CEN	EZM106X2G CEN	EZM106B2G CEN	EZM108D4G CEN
		480	EZM105A2G CEN	EZM105X2G CEN	EZM105B2G CEN	EZM105D4G CEN
175	H-39	120/208/240/277 60Hz	EZM170A2G CEN	EZM170X2G CEN	EZM170B2G CEN	EZM170D4G CEN
		220/240 50Hz	EZM178A2G CEN	EZM178X2G CEN	EZM178B2G CEN	EZM178D4G CEN
		480	EZM175A2G CEN	EZM175X2G CEN	EZM175B2G CEN	EZM175D4G CEN
250	H-37	120/208/240/277 60Hz	EZM250A2G CEN	EZM250X2G CEN	EZM250B2G CEN	EZM250D4G CEN
		220/240 50Hz	EZM258A2G CEN	EZM258X2G CEN	EZM258B2G CEN	EZM258D4G CEN
		480	EZM255A2G CEN	EZM255X2G CEN	EZM255B2G CEN	EZM255D4G CEN
400	H-33	120/208/240/277 60Hz	EZM400A2G CEN	EZM400X2G CEN	EZM400B2G CEN	EZM400D4G CEN
		220/240 50Hz	EZM408A2G CEN	EZM408X2G CEN	EZM408B2G CEN	EZM408D4G CEN
		480	EZM405A2G CEN	EZM405X2G CEN	EZM405B2G CEN	EZM405D4G CEN

① *See Hazardous Location Application Data on page L156 for specific suitabilities.*
② *For 1 inch pendant, ceiling and wall hubs, substitute "**3**" for "**2**" in catalog number; example: **EZP170A3G**.*
③ *Stanchion conduit hub size supplied is 1-1/2" with 1-1/2" to 1-1/4" reducer for 1-1/4" mounting. (Refer to catalog logic)*
④ *Luminaire catalog numbers include guards. To order luminaire without guard, omit last letter "**G**" from catalog number.*
NOTE: Reflectors must be ordered separately (see page L96).
All luminaires are designed for mounting with lamp in base up position.

MAXIMUM AMBIENT TEMPERATURE RANGE -20°C TO 40°C				
TYPE OF LUMINAIRE	TYPE OF ENCLOSURE	FORM OF THE LAMP	MAXIMUM WATTAGE	TEMPERATURE CLASS
EMI15	EM020	A-19/A-21	150W	T4
EMI20	EM020	A-23/PS-25	300W	T3
EMI30	EM030	PS-25/PS-30	300W	T2
EMH05	EM030	BD17/M-110	50W	T6
EMH07	EM030	BD17/M-98	70W	T5
EMH10	EM030	BD17/M-90	100W	T4
EMM05	EM030	ED17/H-46	50W	T5
EMM75	EM030	ED17/H-43	75W	T4
EMM10	EM030	ED17/H-38	100W	T4
EMS35	EM030	ED17/S-76	35W	T6
EMS05	EM030	ED17/S-68	50W	T6
EMS07	EM030	ED17/S-62	70W	T5
EMS10	EM030	ED17/S-54	100W	T5
EMS15	EM030	ED17/S-55	150W	T4
EZH50	EZ025	ED28/M-110	50W	T4
EZH70	EZ025	ED28/M-98	70W	T4
EZH10	EZ025	ED28/M-90	100W	T4
EZH15	EZ025	ED28/M-102	150W	T4
EZH17	EZ025	ED28/M-57	175W	T4
EZH25	EZ025	ED28/M-58	250W	T3
EZH40	EZ040	ED37/M-59	400W	T3
EZP175①	EZP025	ED-28/M137	175W	T4
EZP250①	EZP025	ED-28/M138	250W	T3
EZP320①	EZP040	ED-28/M132	320W	T3
EZP350①	EZP040	ED-28/M131	350W	T3
EZP400①	EZP040	ED-28/M135	400W	T3
EZM10	EZ025	ED23-1/2/H-38	100W	T4
EZM17	EZ025	ED28/H-39	175W	T3
EZM25	EZ025	ED28/H-37	250W	T3
EZM40	EZ040	ED37/H-33	400W	T3
EZS50	EZ025	ED23-1/2/S-68	50W	T4
EZS70	EZ025	ED23-1/2/S-62	70W	T4
EZS10	EZ025	ED23-1/2/S-54	100W	T4
EZS15	EZ025	ED23-1/2/S-55	150W	T4
EZS25	EZ040	ED18/S-50	250W	T3
EZS40	EZ040	ED18/S-51	400W	T3
EBF13	EM020	PL13	13W	T6
EBF26	EM020	PL13	26W	T6
EQF26①	EM020	PL26	26W	T6
EQF32①	EM020	PL32	32W	T6
EQF42①	EM020	PL42	42W	T6
ESX( )120	EM030	120V AC	0.17 A	T6
ESX( )240	EM030	240V AC	0.12 A	T6
ESX( )1274	EM030	12 TO 74 V DC	1.25 TI 0.2 A	T6

Fixtures with CEN suffix for PTB (German test lab) CENELEC Approval.
① EQF & EZP series PTB approvals pending.
See standard product pages for North American ratings/approvals.

HOSTILELITE®

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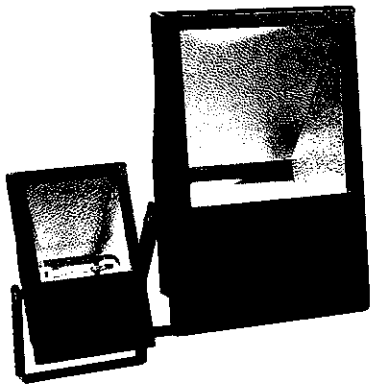


CE EC

Ex II 3 G Ex nR II
Ex nR (non-sparking)
(restricted breathing)
Zone 2 areas to EN60079-10
IP66/67 to EN 60529

FEATURES-SPECIFICATIONS

Applications

A range of two Asymmetric Floodlights, one for 70W double ended High Pressure Sodium or Metal Halide lamps and the larger for 150W to 400W tubular High Pressure Sodium or Metal Halide lamps for use in areas designated ATEX category 3 (Zone 2).

The compact design features of these floodlights ensures reduced weight and low windage. This helps lower installation costs as it allows for lighter mounting systems.

Features

- Highly efficient asymmetric reflector design
- Aluminum body with all stainless steel fasteners for high corrosion resistance
- Light weight and low windage
- Choice of metal halide or high pressure sodium lamps
- Wide beam reflector
- Hinged front cover for easy access to control gear or lamp

Specifications

Enclosure—Aluminum Body (copper-free), Glass lens, Stainless steel fasteners

Entry—1 x M20 cable entry on Micronex, 2 x M20 on Maxinex

Termination—6mm^2 3 core cable

Control Gear—Internal

P F Correction—Incorporated to 0.85 min

Burning Position—Universal

Compliance

Apparatus Standard—EN50021

Certificate—ATEX Type Examination (BASEEFA) BAS97ATEX4368(Maxinex) ATEX Type Examination BAS98ATEX3054(Micronex)

MIC/MAX FLOODLIGHTS WIDE BEAM

CATALOG NUMBER	LAMPS	WATTS	LAMP BASE	RATED SUPPLY①	AMBIENT RATING C°		T CLASS
MICN/70/MS/50Hz MICN/70/MS/60Hz	MBI-TD;SON-TD	70W	Rx7s	220-254V 50Hz 220-254V 60Hz	40		T3
MAXN/150/MS/50Hz MAXN/150/MS/60Hz	MBI/T;SON/T	150W	E40	220-254V 50Hz 220-254V 60Hz	55		T4
MAXN/250/MS/50Hz MAXN/250/MS/60Hz	MBI/T;SON/T	250W	E40	220-254V 50Hz 220-254V 60Hz	55		T3
MAXN/400/MS/50Hz MAXN/400/MS/60Hz	MBI/T;SON/T	400W	E40	220-254V 50Hz 220-254V 60Hz	MBI 30	SON 45	T3

① *Ballasts are multitap for 220, 230, 240, 254.*

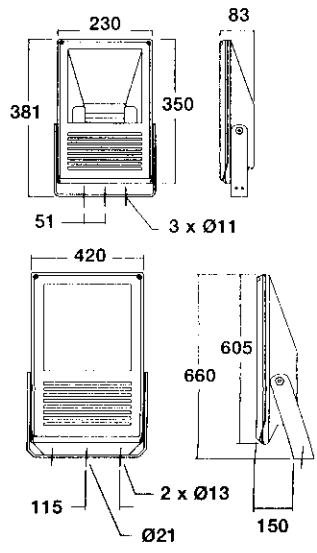
TYPE	MAX400	MAX250	MAX150	MIC70
WEIGHT	17.0kg	15.5kg	14.5kg	5.1kg
WINDAGE	0.25m2	0.25m^2	0.25m^2	0.08m^2

MIC/MAX ACCESSORIES

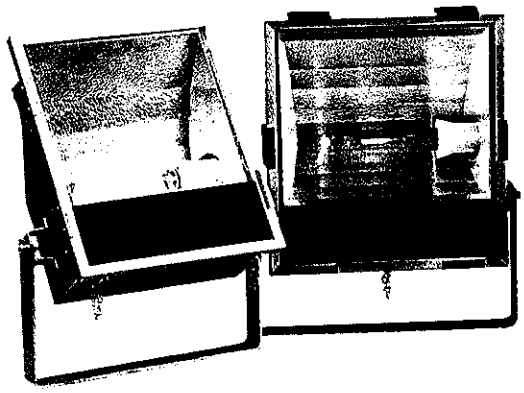
CATALOG NUMBER	DESCRIPTION
MIC-PMG2	Pole mount bracket*
MAX-PMG2	Pole mount bracket*

**Saddle clamp style for pipe O.D. 1-7/8" - 2-3/8".*

Dimensions



Chalmit lighting



CE EC

Ex II 3G Ex nR II
Ex nR non-sparking
(restricted breathing enclosure)
Zone 2 areas to EN 60079-14
IP66/67 to EN60529

FEATURES-SPECIFICATIONS

Application

A range of stainless steel asymmetrical beam floodlights certified for use in Zone 2 areas, suitable for tubular discharge lamps from 150W to 400W.

The range of two asymmetrical floodlights offers the best floodlighting solution where low weight and exposure to hostile and corrosive environments is a problem. The construction offers low windage and mounting options suitable for most floodlighting applications. The asymmetrical beam distribution enables more efficient lighting with less glare or light pollution.

Features

- Highly corrosion resistant 316 stainless steel construction
- Ingress protection to IP66/67
- Quick release fasteners for ease of relamping, and access to mains terminals and internal control gear
- High efficiency asymmetric reflector
- Body is painted black on 864 series for heat dissipation
- Chain suspended lens cover for easy re-lamping

Specifications

Enclosure—Marine grade stainless steel body. Toughened safety glass. Silicone rubber gasket. Body is painted black on 864 Series for heat dissipation

Entry—2 x M20 tapped entries M25 available with M25 suffix

Termination—3 core 6mm² max conductor with looping

Control Gear—Internal

Power Factor Correction—Incorporated to 0.85 min.

Relamping—Via front cover using quick release clamps

Compliance

Apparatus Standard—EN50021 Section 102.51: 1986

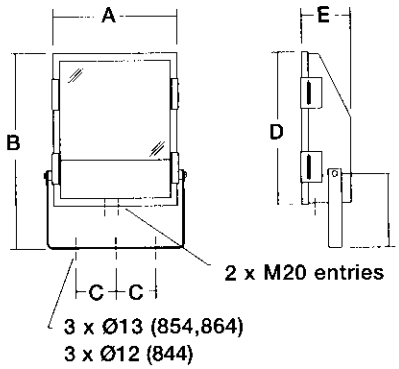
Certificate—ATEX Type Examination (BASEEFA) BAS98ATEX3378

800N FLOODLIGHT WIDE BEAM							
CATALOG NUMBER	LAMPS	WATTS	LAMP BASE	RATED SUPPLY	AMBIENT RATING C°		T CLASS
854N/150/MS/50Hz 854N/150/MS/60Hz	MBI-T;SON-T	150W	E40	220-254V 50Hz① 220-254V 60Hz①	55		T3
854N/250/MS/50Hz 854N/250/MS/60Hz	MBI/T;SON/T	250W	E40	220-254V 50Hz① 220-254V 60Hz①	40		T4
864N/400/MS/50Hz 864N/400/MS/60Hz	MBI/T;SON/T	400W	E40	220-254V 50Hz① 220-254V 60Hz①	MBI 45	SON 50	T3

① *Ballasts are multitap for 220, 230, 240, 254V.*

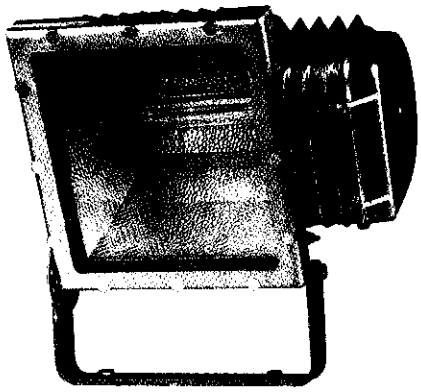
800N OPTIONS	
CATALOG NUMBER	DESCRIPTION
800N-PM2	Pole mounting bracket

**Saddle clamp style for pipe O.D. 1-7/8" - 2-3/4".*



CAT. NO.	DIMENSIONS					
	A	B	C	D	E	F
854	415	630	150	490	185	260
864	456	640	150	490	219	260

Chalmit lighting



CE EC

Ex II 2G EEx de IIC
Zone 1 & 2, Gas Groups IIC,IIB,IIA
to EN 60079-14
Ex de, flameproof and increased safety.
IP66/67 to EN60529

FEATURES-SPECIFICATIONS

Application

Evolution Ex de Floodlight with internal control gear for discharge lamps up to 400W and tungsten halogen lamps up to 500W.

A revolutionary new concept in flameproof floodlighting offering optimum lighting levels while keeping maintenance costs to a minimum by virtue of having no exposed flamepaths. The main flamepath, surrounding the lampholder is contained within the increased safety control gear chamber on the end of the main housing.

The main terminal block and control gear is accessed via one central screw which is captive within the hinged cover. The control gear enclosure is certified Ex e which removes the need for expensive Ex d cable glands.

Features

- No external flame path
- Installation in gas groups IIC, IIB and IIA
- Easy and quick access for reduced maintenance
- Simple, rapid lamp replacement and flamepath inspection
- Effective light distribution

Specifications

Enclosure—Aluminum alloy LM6 to BS 1490 (marine grade copper-free). All fastenings stainless steel. Toughened glass window

Entry—2 x M20 tapped entries (M25 option)

Termination—3 core 6mm² max conductor with looping

Installation—Yoke mounting bracket with aiming marking

Control Gear—Internal

Power Factor Correction—Incorporated to 0.85 min for HID lamps

Burning Position—Universal

Compliances

Apparatus Standard—EN50014, EN50018, EN50019

Certificate—ATEX Type Examination (BASEEFA) BAS98ATEX2373

800W FLOODLIGHT WIDE BEAM

CATALOG NUMBER	LAMPS	WATTS	LAMP BASE	RATED SUPPLY	AMBIENT RATING C°	T CLASS	WEIGHT KGS.
EVOD/150/MS/50Hz EVOD/150/MS/60Hz	SON;MBI	150W	E40	220-254V 50Hz① 220-254V 60Hz①	40 55	T4 T3	28 28
EVOD/250/MS/50Hz EVOD/250/MS/60Hz	SON;MBI	250W	E40	220-254V 50Hz① 220-254V 60Hz①	40 55	T4 T3	28 28
EVOD/400/MS/50Hz EVOD/400/MS/60Hz	SON;MBI	400W	E40	220-254V 50Hz① 220-254V 60Hz①	55 55	T4 T4	28 28
EVOD/500/TH/50Hz	Tungsten Halogen	500W	E40	250V MAX AC/DC	40	T3	26

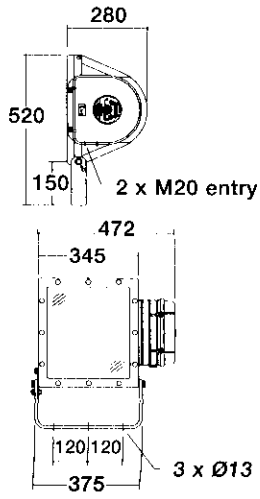
① *Ballasts are multitap for 220, 230, 240, 254V.*

EVO OPTIONS

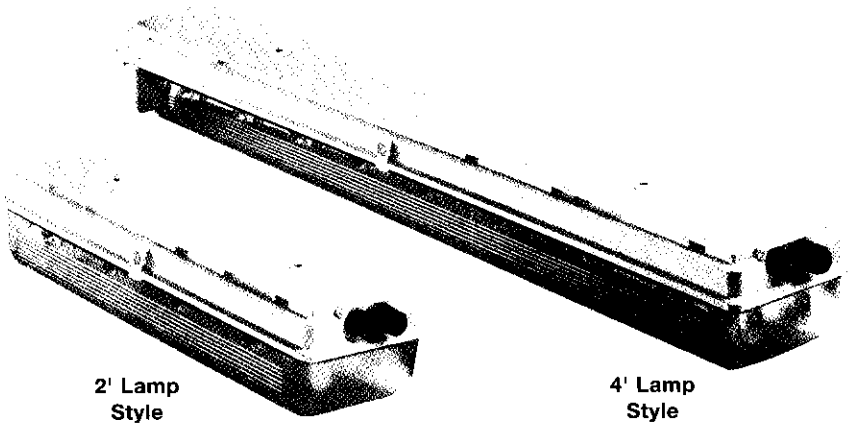
CATALOG NUMBER	DESCRIPTION
EVO-WG	Wire Guard 316 stainless
EVO-PMG2	Pole mount bracket.*

**Saddle clamp style for pipe O.D. 1-7/8" - 2-3/4".*

Dimensions



Chalmit lighting



2' Lamp Style

4' Lamp Style

CENELEC-Ex n A II T4 IP66
Zone 2, Groups IIC, IIB, IIA

TÜV No. 08/220/1038/5

FEATURES-SPECIFICATIONS

LINEARLITE™

Applications
Hazardous and corrosive environments where reliability and rugged performance are critical.

Features
- Housing constructed of heavy-duty fiber reinforced polyester (FRP) with a single piece, low glare polycarbonate lens
- Single point latching mechanism
- Electronic ballast
- Increased safety terminal blocks for easy wiring
- IEC installation fixture, feed through type, with M25 polyamide compression glands and M25 close-up plugs

LINEARLITE SMART-E™

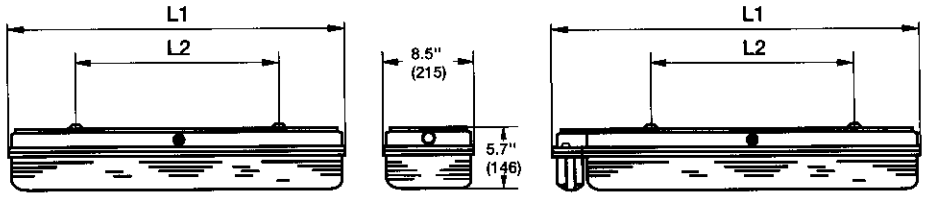
Emergency Fixture

Additional Features
- Self-contained NiCad battery (in case of power failure) provides minimum 1-1/2 hours of emergency lighting
- New charging technology extends battery life to 5 or more years
- Self-testing/Self-diagnostic electronics with LED status display eliminates need for manual tests and record keeping. Unit performs weekly functional test and quarterly discharge test
- LED status of green indicates properly functioning unit. Red status alerts need for service
- One lamp emergency operation

LLI SERIES FOR CENELEC ZONE 2	
CATALOG NUMBER	**DESCRIPTION**
LLI24282FI	18/20 Watt 2-lamp fixture, 220V-254V 50/60Hz, M25 5-wire feed-through wiring
LLI27282FI	36/40 Watt 2-lamp fixture, 220V-254V 50/60Hz, M25 5-wire feed-through wiring

LLIE SERIES BATTERY BACK-UP FOR CENELEC ZONE 2	
CATALOG NUMBER	**DESCRIPTION**
LLIE24282FI	18/20 Watt Emergency 2-lamp fixture, 220V-254V 50/60Hz, M25 6-wire feed-through wiring
LLIE27282FI	36/40 Watt Emergency 2-lamp fixture, 220V-254V 50/60Hz, M25 6-wire feed-through wiring

Dimensions

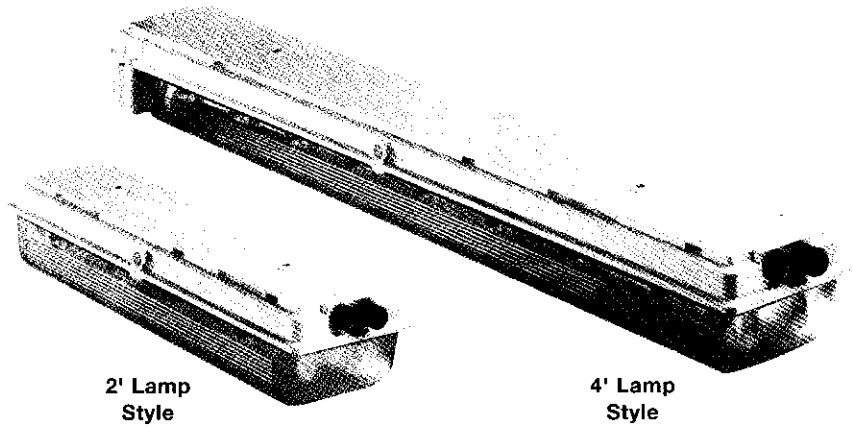


LLI SERIES		
	18/20W	**36/40W**
L1	27.5"(700)	51.5"(1310)
L2	15.7"(400)	31.5"(800)

LLIE SERIES		
	18/20W	**36/40W**
L1	30.8"(782)	54.8"(1392)
L2	15.7"(400)	31.5"(800)

See Accessories page L119.

HUBBELL
KILLARK®



2' Lamp Style

4' Lamp Style

CENELEC-EEx ed IIC T4 IP66
Zones 1 & 2, Groups IIC, IIB, IIA

PTB 97 ATEX 2031

FEATURES-SPECIFICATIONS

LINEARLITE™

Applications
Hazardous and corrosive environments where reliability and rugged performance are critical.

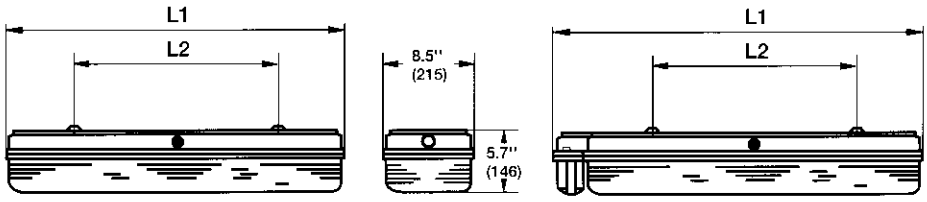
Features

- Housing constructed of heavy-duty fiber reinforced polyester (FRP) with a single piece, low glare polycarbonate lens
- Single point latching mechanism (which disconnects power) makes relamping safe and easy
- Electronic ballasts are encapsulated in a self-contained explosion protected enclosure with increased safety terminals
- Increased safety terminal blocks for easy wiring
- IEC installation fixture, feed through type, with M25 polyamide compression glands and M25 close-up plugs

LLI SERIES FOR CENELEC ZONES 1 & 2	
CATALOG NUMBER	**DESCRIPTION**
LLI14292FI	18/20 Watt 2-lamp fixture, 220-254VAC 50/60Hz+198-250VDC, M25 5-wire feed-through wiring
LLI17292FI	36/40 Watt 2-lamp fixture, 220-254VAC 50/60Hz+198-250VDC, M25 5-wire feed-through wiring

LLIE SERIES BATTERY BACK-UP FOR CENELEC ZONES 1 & 2	
CATALOG NUMBER	**DESCRIPTION**
LLIE14282FI	18/20 Watt Auto/Manual Testing 2-lamp fixture, 220V-254V 50/60Hz, M25 6-wire feed-through wiring
LLIE17282FI	36/40 Watt Auto/Manual Testing 2-lamp fixture, 220V-254V 50/60Hz, M25 6-wire feed-through wiring

Dimensions



LLI SERIES		
	18/20W	**36/40W**
L1	27.5"(700)	51.5"(1310)
L2	15.7"(400)	31.5"(800)

LLIE SERIES		
	18/20W	**36/40W**
L1	30.8"(782)	54.8"(1392)
L2	15.7"(400)	31.5"(800)

LINEARLITE SMART-E™

Emergency Fixture

Additional Features

- Self-contained NiCad battery (in case of power failure) provides minimum 1-1/2 hours of emergency lighting
- New charging technology extends battery life to 5 or more years
- Self-testing/Self-diagnostic electronics with LED status display eliminates need for manual tests and record keeping. Unit performs weekly functional test and quarterly discharge test
- LED status of green indicates properly functioning unit. Red status alerts need for service
- One lamp emergency operation

See Accessories page L119.

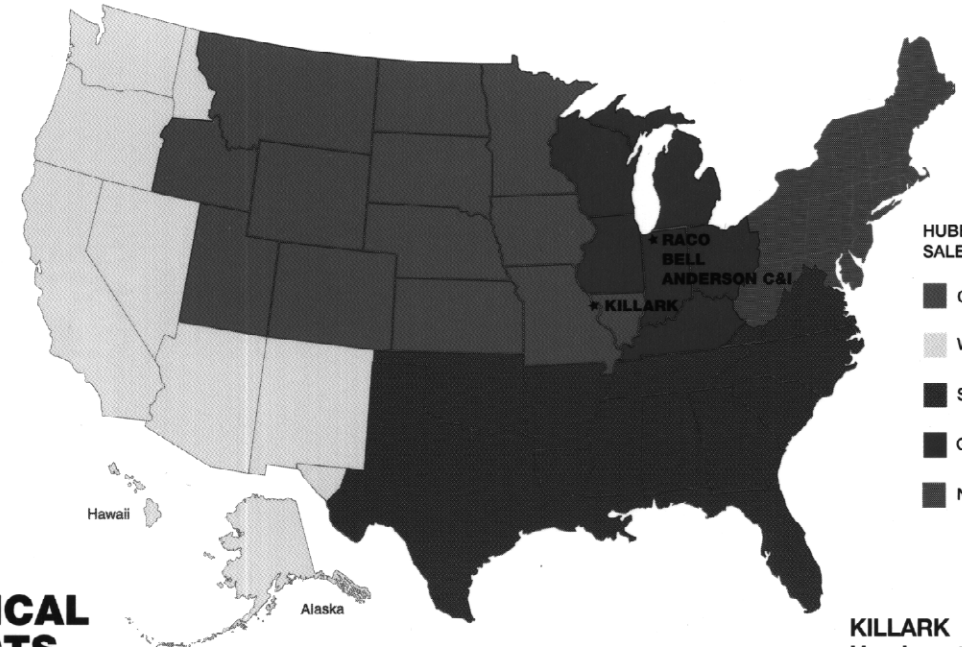
HUBBELL
KILLARK®

HUBBELL INC. Corporate Headquarters 584 Derby Milford Rd. Orange, CT 06477

HUBBELL INC. GROUPS AND SUBSIDIARIES

Domestic

ELECTRICAL PRODUCTS			
Anderson C&I	(219) 234-7151	3902 West Sample Street	South Bend, Indiana 46634-4002
Bell	(219) 234-7151	3902 West Sample Street	South Bend, Indiana 46634-4002
Killark	(314) 531-0460	3940 Martin Luther King Drive	St. Louis, Missouri 63113
Raco	(219) 234-7151	3902 West Sample Street	South Bend, Indiana 46634-4002
COMMUNICATION TECHNOLOGY			
Hubbell Premise Wiring, Inc.	(860) 535-8326	14 Lord's Hill Road	Stonington, Connecticut 06378-0901
Pulse Communications	(703) 471-2900	2900 Towerview Road	Herndon, Virginia 20171
LIGHTING			
Devine Lighting	(816) 221-9440	One Design Way	North Kansas City, Missouri 64116
Hubbell Lighting, Inc.	(540) 382-6111	2000 Electric Way	Christiansburg, Virginia 24073-2500
Sterner Corporation	(952) 906-7300	7575 Corporate Way	Eden Prairie, Minnesota 55344-2022
POWER SYSTEMS			
A.B. Chance Co.	(573) 682-5521	210 North Allen Street	Centralia, Missouri 65240
Anderson Electrical Products, Inc.	(205) 699-2411	940 Moores Street, N.E.	Leeds, Alabama 35094
Ohio Brass Co.	(330) 335-2361	8711 Wadsworth Road, State Rte. 57	Wadsworth, Ohio 44281
HUBBELL INDUSTRIAL TECHNOLOGY			
GAI-Tronics Corporation	(610) 777-1374	400 E. Wyomissing Ave.	Mohnton, Pennsylvania 19540
Gleason Reel Corporation	(920) 387-4120	600 South Clark Street	Maryville, Wisconsin 53050-0026
Hipotronics, Inc.	(845) 279-8091	Route 22 (North)	Brewster, New York 10509
Hubbell Industrial Controls	(440) 428-1161	50 Edwards Street	Madison, Ohio 44057
Wiegmann	(618) 539-3193	501 West Apple Street	Freeburg, Illinois 62243
WIRING SYSTEMS			
Wiring Device - Kellems	(203) 882-4800	185 Plains Road	Milford, Connecticut 06460-2465
Bryant	(203) 876-3600	185 Plains Road	Milford, Connecticut 06460-2465
Unenco	(800) 245-9135	185 Plains Road	Milford, Connecticut 06460-2465
Wirecon	(203) 876-3625	185 Plains Road	Milford, Connecticut 06460-2465
INTERNATIONAL			
Chalmit	011-44-141-882-5555	388 Hillington Road	Glasgow G524BL, UK
Haefely Test AG	011-61-373-4111	Ch-4028	Basel, Switzerland
Hubbell Canada, Inc.	(905) 839-1138	870 Brock Road South	Pickering, Ontario L1W 1Z8
Hubbell China	011-86-21-6217-3478	Room 2307, Westgate Mall	1038 Nanjing West Road, Shanghi, China
Hubbell de Mexico, S.A. De C.V.	011-525-575-2022	Ave. Coyoacan 1051	Col. del Valle, 03100 Mexico, D.F. Mexico
Hubbell Incorporated Middle East	011-971-4 393-4194	Office #505, Al Waleed Bldg.	Rolla Street, P.O. Box 23529, Dubai, U.A.E.
Hubbell-International, Inc., Korea	011-82-2-607-1363	2nd Floor Jungwon Bldg.	1115-8 Hwagok-Dong, Kangseo-Ku Seoul, Korea 157-010
Hubbell, Ltd.	011-441-234-855444	Woburn Road Industrial Estate	Kempston, Bedford, England MK427SH
Hubbell S.E. Asia Pte., Ltd.	011-65-454-4772	159 Sin Ming Road, #05-08 Amtech Bldg.	Singapore 575625 - Rep. of Singapore
Hubbell-Taian Co. Ltd.	011-886-2-515-0855	12th Floor, 66, Sec. 2, Chien-Koo North Rd.	Taipei, Taiwan R.O.C.
Hubbell Turkey	011-90-216-4148147	Sogutlucesme Cad., Firdevs Hand, No: 38/4	81300 Kadikoy Istanbul, Turkey



HUBBELL ELECTRICAL PRODUCTS SALES REGIONS

- Gateway/Mtn. Region
- Western Region
- Southern Region
- Great Lakes Region
- Northeast Region

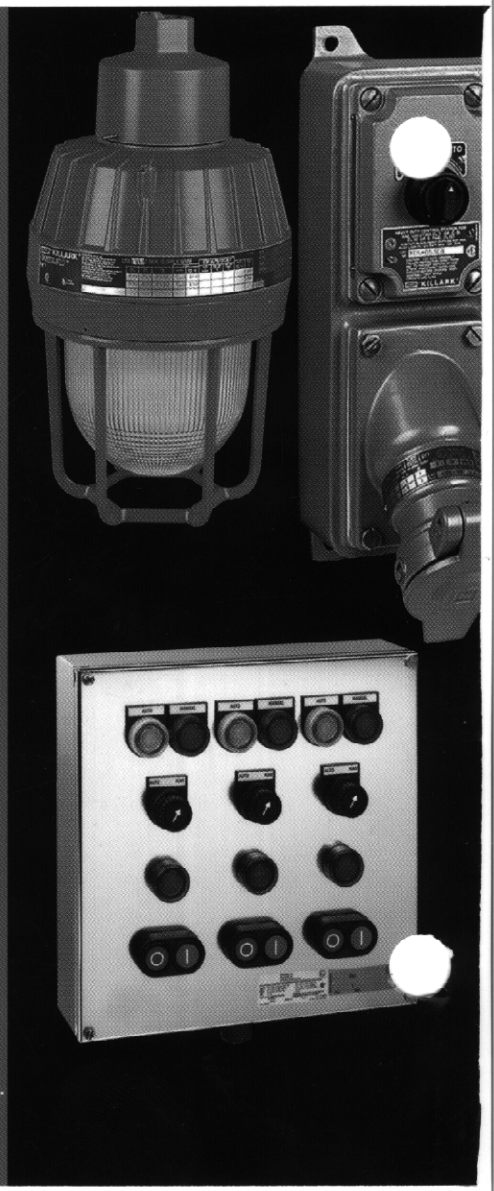
HUBBELL®

ELECTRICAL PRODUCTS

A Division of Hubbell Incorporated (Delaware)

KILLARK
Headquarters St. Louis, MO 63113
Marketing/Sales (314) 531-0460

BRANDS: ANDERSON C&I/BELL/BRYANT/CHALMIT/KILLARK/RACO/WIEGMANN



HUBBELL®

KILLARK®

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TEL: (314) 531-0460 FAX: (314) 531-7164
www.hubbell-killark.com

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Pickering, Ontario L1W-1Z8
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FAX: (905) 839-9108

Hubbell De Mexico
Av. Coyoacan 1051
Col. Del Valle
Mexico, D.F. 03100
(525) 575-2022
FAX: (525) 559-8626

Hubbell Electrical Products
A Division of Hubbell Incorporated (Delaware)
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HUBBELL®

KILLARK®

Another Hubbell Electrical Products Brand

Distributor Net Cost Schedule

Effective August 1, 2000

UPC VENDOR #: 783936

CONFIDENTIAL: For Authorized Hubbell Electrical Products, Distributor Use Only

KL-DPL0800

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
K-PAK™ packaged items:								
1FA-CP	04901	2.31	15387	N	50	0.50	F	
1FT-CP	04902	2.31	15387	N	50	0.50	F	
FCLA-CP	04903	13.33	15387	N	25	0.50	F	
FD-1-CP	04906	9.73	15387	N	10	1.00	F	
FD-2-CP	04907	10.91	15387	N	10	1.00	F	
FDC-1-CP	04904	11.22	15387	N	10	1.00	F	
FDC-2-CP	04905	12.15	15387	N	10	1.00	F	
FS-1-CP	04912	8.60	15387	N	20	0.50	F	
FS-2-CP	04913	9.16	15387	N	20	1.00	F	
FSBC-CP	04908	3.38	15387	N	50	0.20	F	
FSC-1-CP	04909	9.57	15387	N	15	1.00	F	
FSC-2-CP	04910	10.71	15387	N	15	0.60	F	
FST-CP	04911	20.49	15387	N	25	0.50	F	
KH38-CP	04914	2.40	15707	N	100	0.50	F	
KH569-CP	04919	3.75	15707	N	50	0.50	F	
KH58-CP	04915	2.40	15707	N	100	0.50	F	
KH759-CP	04920	5.78	15707	N	50	0.50	F	
KH75-CP	04916	3.48	15707	N	50	0.50	F	
K1069-CP	04921	11.51	15707	N	20	1.00	F	
K100-CP	04917	5.03	15707	N	25	0.50	F	
OC-1CG	04922	7.91	15227	N	40		F	
OC-2CG	04923	9.88	15227	N	25	0.50	F	
OC-3CG	04924	12.86	15227	N	20	0.50	F	
OC-4CG	45017	15.86	15227	N	8	1.86	F	
OC-5CG	45018	23.81	15227	N	8	1.96	F	
OC-6CG	45019	37.84	15227	N	6	2.70	F	
OLB-1CG	04925	7.91	15227	N	40	0.50	F	
OLB-2CG	04926	9.88	15227	N	25	0.50	F	
OLB-3CG	04927	12.86	15227	N	15	1.00	F	
OLB-4CG	48003	15.86	15227	N	8	1.86	F	
OLB-5CG	48004	23.81	15227	N	8	1.96	F	
OLB-6CG	48005	37.84	15227	N	6	2.70	F	
OLL-1CG	04928	7.91	15227	N	40		F	
OLL-2CG	04929	9.69	15227	N	25	0.50	F	
OLL-3CG	04930	12.86	15227	N	15	1.00	F	
OLL-4CG	48006	15.86	15227	N	8	1.86	F	
OLL-5CG	48007	23.81	15227	N	8	1.96	F	
OLL-6CG	48008	37.84	15227	N	6	2.70	F	
OLR-1CG	04931	7.91	15227	N	40	0.50	F	
OLR-2CG	04932	9.69	15227	N	25		F	
OLR-3CG	04933	12.86	15227	N	15	1.00	F	
OLR-4CG	48009	15.86	15227	N	8	1.86	F	
OLR-5CG	48010	23.81	15227	N	8	1.96	F	
OLR-6CG	48011	37.84	15227	N	6	2.70	F	
OT-1CG	04934	9.00	15227	N	30	0.50	F	
OT-2CG	04935	11.00	15227	N	25	0.50	F	
OT-3CG	04936	14.33	15227	N	15		F	
OT-4CG	48012	22.17	15227	N	8	1.96	F	
OT-5CG	48013	27.51	15227	N	8	2.16	F	
OT-6CG	48014	42.86	15227	N	6	3.30	F	
SLB-1-CP	04959	3.69	15547	N	50	0.50	F	
SLB-2-CP	04960	4.69	15547	N	25	0.50	F	
SLB-3-CP	04961	7.28	15547	N	25	0.50	F	
TWOC-1C	04976	5.48	15107	N	40	0.50	F	
TWOC-2C	04977	8.37	15107	N	25	0.50	F	
TWOC-3C	04978	11.58	15107	N	20	0.50	F	
TWOLB-1C	04979	6.48	15107	N	40		F	
TWOLB-2C	04980	8.37	15107	N	25	0.50	F	
TWOLB-3C	04981	11.58	15107	N	15		F	
TWOLRL-1C	04982	7.85	15107	N	40	0.50	F	
TWOLRL-2C	04983	9.98	15107	N	25		F	
TWOLRL-3C	04984	13.01	15107	N	15	0.50	F	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
K-PAK™ packaged items: continued								
TWOT-1C	04985	7.69	15107	N	30	0.50	F	
TWOT-2C	04986	9.58	15107	N	25	0.50	F	
TWOT-3C	04987	13.36	15107	N	15		F	
WH-1	84180	3.57	15272	N	100	5.00	F	
WH-2	84181	4.20	15272	N	50	7.50	F	
WH-3	84182	4.99	15272	N	40	10.30	F	
170	01025	1.42	15211	A	20	0.50	F	Å
170C	01033	2.21	15211	A	20	0.80	F	Å
170CSA	08087	2.26	15201	A	20	0.13	F	
170SA	08079	1.45	15201	A	20	0.09	F	
186F	48159	2.04	15218	A	20	0.30	F	Å
186S	48151	1.35	15218	A	20	0.20	F	Å
270	01026	1.74	15211	A	20	0.50	F	Å
270C	01034	2.00	15211	A	20	0.50	F	Å
270CSA	08088	2.06	15201	A	20	0.15	F	
270SA	08080	1.73	15201	A	20	0.10	F	
286F	48160	2.41	15218	A	20	0.40	F	Å
286S	48152	1.56	15218	A	20	0.30	F	Å
370	01027	2.40	15211	A	20	0.50	F	Å
370C	01035	4.27	15211	A	20	1.00	F	Å
370CSA	08089	4.22	15201	A	20	0.25	F	
370SA	08081	2.43	15201	A	20	0.15	F	
386F	48161	3.72	15218	A	20	0.50	F	Å
386S	48153	2.25	15218	A	20	0.40	F	Å
470	01028	2.66	15212	A	10	0.50	F	Å
470C	01036	5.60	15212	A	10	1.50	F	Å
470CSA	08090	5.61	15202	A	10	0.34	F	
470SA	08082	2.64	15202	A	10	0.18	F	
486F	48162	5.05	15219	A	10	0.80	F	Å
486S	48154	2.69	15219	A	10	0.50	F	Å
570	01029	2.88	15212	A	5	0.50	F	Å
570C	01037	5.60	15212	A	10	1.50	F	Å
570CSA	08091	5.61	15202	A	5	0.46	F	
570SA	08083	2.84	15202	A	5	0.21	F	
586F	48163	5.05	15219	A	5	1.40	F	Å
586S	48155	2.89	15219	A	5	0.80	F	Å
670	01030	5.87	15212	A	5	0.50	F	Å
670C	01038	8.40	15212	A	10	1.50	F	Å
670CSA	08092	8.39	15202	A	5	0.70	F	
670SA	08084	5.83	15202	A	5	0.31	F	
686F	48164	7.16	15219	A	5	2.20	F	Å
686S	48156	4.33	15219	A	5	1.10	F	Å
870	01031	7.93	15213	A	5	1.00	F	Å
870C	01039	9.82	15213	A	5	3.00	F	Å
870CSA	08093	9.79	15203	B	5	1.20	F	
870SA	08085	7.85	15203	B	5	0.70	F	
986F	48165	10.30	15220	B	1	4.10	F	Å
986S	48157	7.00	15220	B	5	2.30	F	Å
970	01032	9.32	15213	A	5	1.50	F	Å
970C	01040	14.73	15213	A	5	9.00	F	Å
970CSA	08094	14.21	15203	B	5	1.30	F	
970SA	08086	9.24	15203	B	5	0.80	F	
986F	48166	15.58	15220	B	1	6.80	F	Å
986S	48158	9.86	15220	B	5	3.30	F	Å
AAK	10125	112.86	5643	N	1	3.00	L	
ABK	10126	35.26	5643	N	1	2.50	L	
ADUP-01	00901	2.52	16150	B	25/125	0.05	F	
ADUP-12	00905	2.31	16160	A	20/100	0.06	F	
AFK	10124	42.36	5643	N	1	3.00	L	
AJAC-5	01002	36.52	11264	N	1/5	3.40	PR	
AJAC-6	01003	36.52	11264	N	1/5	3.30	PR	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
AJAT-5	01008	38.52	11264	N	1/5	3.00	PR	
AJAT-6	01009	38.52	11264	N	1/5	3.00	PR	
AJC-2	01011	24.99	11264	N	1	1.30	PR	
AJC-3	01012	26.22	11264	N	5/25	1.30	PR	
AJT-2	01014	26.92	11264	N	1	1.06	PR	
AJT-3	01015	28.41	11264	N	1	1.06	PR	
AJXBE-6	01020	185.86	11264	N	1	20.50	PR	
AJXBE-7	01021	189.85	11264	N	1	20.50	PR	
AN-1	01200	1.27	16160	A	25	0.09	F	
AN-1B	01288	20.84	16160	C	1	0.90	F	
AN-11	01289	44.37	16160	N	1	1.60	F	
AN-12	01290	54.36	16160	N	1	2.80	F	
AN-1A	01201	1.38	16160	B	25	0.10	F	
AN-1B	01202	1.43	16160	B	25	0.12	F	
AN-2	01212	1.86	16160	A	25	0.14	F	
AN-2B	01213	2.09	16160	B	25	0.16	F	
AN-3	01223	2.49	16160	A	25	0.15	F	
AN-3B	01224	2.92	16160	B	25	0.16	F	
AN-4	01234	3.48	16160	A	25	0.16	F	
AN-5	01245	4.25	16160	B	25	0.21	F	
AN-6	01256	6.07	16160	B	10	0.23	F	
AN-7	01266	10.97	16160	C	10	0.36	F	
AN-8	01275	13.13	16160	C	10	0.45	F	
AN-9	01284	16.76	16160	C	10	0.62	F	
B7010HB		929.54	9626	N	1	50.00	C	Å
B7010HG		929.54	9626	N	1	50.00	C	Å
B7010HK		929.54	9626	N	1	50.00	C	Å
B7010HM		929.54	9626	N	1	50.00	C	Å
B7010SB		929.54	9626	N	1	50.00	C	
B7010SG		929.54	9626	N	1	50.00	C	
B7010SK		929.54	9626	N	1	50.00	C	
B7010SM		929.54	9626	N	1	50.00	C	
B7010WB (USE B7010HB)								
B7010WG (USE B7010HG)								
B7010WK (USE B7010HK)								
B7010WM (USE B7010HM)								
B7011	02000	818.98	9626	N	1	46.00	C	
B7011HB		936.30	9626	N	1	50.00	C	Å
B7011HG		936.30	9626	N	1	50.00	C	Å
B7011HK		936.30	9626	N	1	50.00	C	Å
B7011HM		936.30	9626	N	1	50.00	C	Å
B7011SB		936.30	9626	N	1	50.00	C	
B7011SG		936.30	9626	N	1	50.00	C	
B7011SK		936.30	9626	N	1	50.00	C	
B7011SM		936.30	9626	N	1	50.00	C	
B7011WB (USE B7011HB)								
B7011WG (USE B7011HG)								
B7011WK (USE B7011HK)								
B7011WM (USE B7011HM)								
B7012	02001	796.84	9626	N	1	56.00	C	
B7012HB		1461.00	9626	N	1	60.00	C	Å
B7012HG		1461.00	9626	N	1	60.00	C	Å
B7012HK		1461.00	9626	N	1	60.00	C	Å
B7012HM		1461.00	9626	N	1	60.00	C	Å
B7012SB		1461.00	9626	N	1	60.00	C	
B7012SG		1461.00	9626	N	1	60.00	C	
B7012SK		1461.00	9626	N	1	60.00	C	
B7012SM		1461.00	9626	N	1	60.00	C	
B7012WB (USE B7012HB)								
B7012WG (USE B7012HG)								
B7012WK (USE B7012HK)								
B7012WM (USE B7012HM)								
B7013	02002	1526.29	9626	N	1	80.00	C	
B7013HB		2257.38	9626	N	1	92.00	C	Å
B7013HG		2257.38	9626	N	1	92.00	C	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
B7013HK		2257.38	9626	N	1	92.00	C	Å
B7013HM		2257.38	9626	N	1	92.00	C	Å
B7013SB		2257.38	9626	N	1	92.00	C	
B7013SG		2257.38	9626	N	1	92.00	C	
B7013SK		2257.38	9626	N	1	92.00	C	
B7013SM		2257.38	9626	N	1	92.00	C	
B7013WB (USE B7013HB)								
B7013WG (USE B7013HG)								
B7013WK (USE B7013HK)								
B7013WM (USE B7013HM)								
B7014	02003	1593.92	9626	N	1	155.00	C	
B7014HB		3585.45	9626	N	1	167.00	C	Å
B7014HG		3585.45	9626	N	1	167.00	C	Å
B7014HK		3585.45	9626	N	1	167.00	C	Å
B7014HM		3585.45	9626	N	1	167.00	C	Å
B7014SB		3585.45	9626	N	1	167.00	C	
B7014SG		3585.45	9626	N	1	167.00	C	
B7014SK		3585.45	9626	N	1	167.00	C	
B7014SM		3585.45	9626	N	1	167.00	C	
B7014WB (USE B7014HB)								
B7014WG (USE B7014HG)								
B7014WK (USE B7014HK)								
B7014WM (USE B7014HM)								
B7020HBCA		1487.82	9626	N	1	86.00	C	Å
B7020HBCB		1487.82	9626	N	1	86.00	C	Å
B7020HBCC		1487.82	9626	N	1	86.00	C	Å
B7020HGCB		1487.82	9626	N	1	86.00	C	Å
B7020HGCC		1487.82	9626	N	1	86.00	C	Å
B7020HKCA		1487.82	9626	N	1	86.00	C	Å
B7020HKCB		1487.82	9626	N	1	86.00	C	Å
B7020HKCC		1487.82	9626	N	1	86.00	C	Å
B7020HMCA		1487.82	9626	N	1	86.00	C	Å
B7020HMCB		1487.82	9626	N	1	86.00	C	Å
B7020HMCC		1487.82	9626	N	1	86.00	C	Å
B7020SBAA		1487.82	9626	N	1	86.00	C	
B7020SBAB		1487.82	9626	N	1	86.00	C	
B7020SBAC		1487.82	9626	N	1	86.00	C	
B7020SGAB		1487.82	9626	N	1	86.00	C	
B7020SGAC		1487.82	9626	N	1	86.00	C	
B7020SHAA		1487.82	9626	N	1	86.00	C	
B7020SHAB		1487.82	9626	N	1	86.00	C	
B7020SHAC		1487.82	9626	N	1	86.00	C	
B7020SKAA		1487.82	9626	N	1	86.00	C	
B7020SKAB		1487.82	9626	N	1	86.00	C	
B7020SKAC		1487.82	9626	N	1	86.00	C	
B7020SMAA		1487.82	9626	N	1	86.00	C	
B7020SMAB		1487.82	9626	N	1	86.00	C	
B7020SMAC		1487.82	9626	N	1	86.00	C	
B7020WBCA (USE B7020HBCA)								
B7020WBCB (USE B7020HBCB)								
B7020WBCC (USE B7020HBCC)								
B7020WGCB (USE B7020HGCB)								
B7020WGCC (USE B7020HGCC)								
B7020WKCA (USE B7020HKCA)								
B7020WKCB (USE B7020HKCB)								
B7020WKCC (USE B7020HKCC)								
B7020WMCA (USE B7020HMCA)								
B7020WMCB (USE B7020HMCB)								
B7020WMCC (USE B7020HMCC)								
B7021	02004	863.19	9626	N	1	78.00	C	
B7021HBCC		1493.65	9626	N	1	86.00	C	Å
B7021HGCF		1493.65	9626	N	1	86.00	C	Å
B7021HGCF		1493.65	9626	N	1	86.00	C	Å
B7021HKCF		1493.65	9626	N	1	86.00	C	Å
B7021HMCF		1493.65	9626	N	1	86.00	C	Å
B7021SBAC		1493.65	9626	N	1	86.00	C	
B7021SBAF		1493.65	9626	N	1	86.00	C	
B7021SGAF		1493.65	9626	N	1	86.00	C	

Refer to page 2 for explanation of symbols.

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CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
B7021SKAF		1493.65	9626	N	1	86.00	C	
B7021SMAF		1493.65	9626	N	1	86.00	C	
B7021WBCC (USE B7021HBCC)								
B7021WBCF (USE B7021HBCF)								
B7021WGCF (USE B7021HGCF)								
B7021WKCF (USE B7021HKCF)								
B7021WMCF (USE B7021HMCF)								
B7022	02005	996.00	9626	N	1	88.00	C	
B7022HBCX		1992.00	9626	N	1	97.00	C	Å
B7022HBCM		1992.00	9626	N	1	97.00	C	Å
B7022HGCX		1992.00	9626	N	1	97.00	C	Å
B7022HGCM		1992.00	9626	N	1	97.00	C	Å
B7022HKCX		1992.00	9626	N	1	97.00	C	Å
B7022HMCX		1992.00	9626	N	1	97.00	C	Å
B7022SAK		1992.00	9626	N	1	97.00	C	
B7022SBAM		1992.00	9626	N	1	97.00	C	
B7022SGAK		1992.00	9626	N	1	97.00	C	
B7022SGAM		1992.00	9626	N	1	97.00	C	
B7022SKAK		1992.00	9626	N	1	97.00	C	
B7022SMAK		1992.00	9626	N	1	97.00	C	
B7022WBCK (USE B7022HBCK)								
B7022WBCM (USE B7022HBCM)								
B7022WGCK (USE B7022HGCK)								
B7022WGCM (USE B7022HGCM)								
B7022WKCK (USE B7022HKCK)								
B7022WMCK (USE B7022HMCK)								
B7023	02006	1992.00	9626	N	1	143.00	C	
B7023HBCQ		3453.00	9626	N	1	159.00	C	Å
B7023HGCQ		3453.00	9626	N	1	159.00	C	Å
B7023HKCQ		3453.00	9626	N	1	159.00	C	Å
B7023HMCQ		3453.00	9626	N	1	159.00	C	Å
B7023SBAQ		3453.00	9626	N	1	159.00	C	
B7023SGAQ		3453.00	9626	N	1	159.00	C	
B7023SKAQ		3453.00	9626	N	1	159.00	C	
B7023SMAQ		3453.00	9626	N	1	159.00	C	
B7023WBCQ (USE B7023HBCQ)								
B7023WGCQ (USE B7023HGCQ)								
B7023WKCQ (USE B 7023HKCQ)								
B7023WMCQ (USE B7023HMCQ)								
B7024	02007	2990.00	9626	N	1	235.00	C	
B7024HBCT		5312.50	9626	N	1	251.00	C	Å
B7024HGCT		5312.50	9626	N	1	251.00	C	Å
B7024HKCT		5312.50	9626	N	1	251.00	C	Å
B7024HMCT		5312.50	9626	N	1	251.00	C	Å
B7024SBBT		5312.50	9626	N	1	251.00	C	
B7024SGBT		5312.50	9626	N	1	251.00	C	
B7024SKBT		5312.50	9626	N	1	251.00	C	
B7024SMBT		5312.50	9626	N	1	251.00	C	
B7024WBCT (USE B7024HBCT)								
B7024WGCT (USE B7024HGCT)								
B7024WKCT (USE B7024HKCT)								
B7024WMCT (USE B7024HMCT)								
B7025A2		4430.00	9626	N	1	540.00	C	
B7025A4		4430.00	9626	N	1	540.00	C	
B7025C2		4430.00	9626	N	1	540.00	C	
B7025C4		4430.00	9626	N	1	540.00	C	
B7025CBCMCPJ250		10494.00	9626	N	1	615.00	C	
B7025CBCMCPK400		10843.00	9626	N	1	615.00	C	
B7025CGCMCPJ250		10494.00	9626	N	1	615.00	C	
B7025CGCMCPK400		10843.00	9626	N	1	615.00	C	
B7025CKCMCPJ250		10494.00	9626	N	1	615.00	C	
B7025CKCMCPK400		10843.00	9626	N	1	615.00	C	
B7025CMCMCPJ250		10494.00	9626	N	1	615.00	C	
B7025CMCMCPK400		10843.00	9626	N	1	615.00	C	
B7025G2		4430.00	9626	N	1	540.00	C	

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B7025G4		4430.00	9626	N	1	540.00	C	
B7025G2		4430.00	9626	N	1	540.00	C	
B7025G4		4430.00	9626	N	1	540.00	C	
B7025SBSMAGK250		10494.00	9626	N	1	615.00	C	
B7025SBSMAGL400		10843.00	9626	N	1	615.00	C	
B7025SGSMAGK250		10494.00	9626	N	1	615.00	C	
B7025SGSMAGL400		10843.00	9626	N	1	615.00	C	
B7025SKSMAGK250		10494.00	9626	N	1	615.00	C	
B7025SKSMAGL400		10843.00	9626	N	1	615.00	C	
B7025SMSMAGK250		10494.00	9626	N	1	615.00	C	
B7025SMSMAGK400		10843.00	9626	N	1	615.00	C	
B7025W2		4664.00	9626	N	1	540.00	C	
B7025W4		4664.00	9626	N	1	540.00	C	
B7253		119.52	9626	N	1		C	
B75CAC		94.04	9626	N	1	0.20	C	
B75SAC		94.04	9626	N	1	0.20	C	
B7AD021	02009	901.00	9626	N	1	78.00	C	Å
B7AD021HBCF		1557.25	9626	N	1	86.00	C	Å
B7AD022HBCX		1955.70	9626	N	1	86.00	C	Å
B7AD023	02010	2014.00	9626	N	1	143.00	C	Å
B7AD023HBCQ		3588.59	9626	N	1	159.00	C	Å
B7AD024	02011	2438.00	9626	N	1	235.00	C	Å
B7AD024HBCT		6524.50	9626	N	1	251.00	C	Å
B7AD025HBCG400		11267.00	9626	N	1	615.00	C	Å
B7AD025K	02012	4536.00	9626	N	1	540.00	C	Å
B7AD02LHBCA		1955.70	9626	N	1	86.00	C	Å
B7AD02LHBCB		1955.70	9626	N	1	86.00	C	Å
B7AD02LHBCC		1955.70	9626	N	1	86.00	C	Å
B7APL	02013	79.90	9626	N	1	0.50	C	Å
B7BLA1000		24.00	7280	N	1	0.30	DE	
B7BLA1015		39.29	7280	N	1	0.50	DE	
B7BLA1020		39.29	7280	N	1	0.50	DE	
B7BLA1030		39.29	7280	N	1	0.50	DE	
B7BLA1040		39.29	7280	N	1	0.50	DE	
B7BLA1050		39.29	7280	N	1	0.50	DE	
B7BLA1060		39.29	7280	N	1	0.50	DE	
B7BLA1070		53.00	7280	N	1	0.50	DE	
B7BLA1080		71.70	7280	N	1	0.50	DE	
B7BLA2000		27.00	7280	N	1	0.30	DE	
B7BLA2015		77.05	7280	N	1	0.80	DE	
B7BLA2020		77.05	7280	N	1	0.80	DE	
B7BLA2030		77.05	7280	N	1	0.80	DE	
B7BLA2040		77.05	7280	N	1	0.80	DE	
B7BLA2060		77.05	7280	N	1	0.80	DE	
B7BLA2070		88.20	7280	N	1	0.80	DE	
B7BLA2080		111.70	7280	N	1	0.80	DE	
B7BLA2100		111.70	7280	N	1	0.80	DE	
B7BLB3000		68.20	7280	N	1	0.30	DE	
B7BLB3015		135.05	7280	N	1	1.00	DE	
B7BLB3020		135.05	7280	N	1	1.00	DE	
B7BLB3030		135.05	7280	N	1	1.00	DE	
B7BLB3040		135.05	7280	N	1	1.00	DE	
B7BLB3060		135.05	7280	N	1	1.00	DE	
B7BLB3070		161.19	7280	N	1	1.00	DE	
B7BLB3080		179.30	7280	N	1	1.00	DE	
B7BLB3100		179.30	7280	N	1	0.30	DE	
B7BLC1000		67.00	7280	N	1	0.50	DE	
B7BLC1015		177.55	7280	N	1	0.50	DE	
B7BLC1020		177.55	7280	N	1	0.50	DE	
B7BLC1030		177.55	7280	N	1	0.50	DE	
B7BLC2000		70.27	7280	N	1	0.30	DE	
B7BLC2015		245.79	7280	N	1	0.80	DE	
B7BLC2020		245.79	7280	N	1	0.80	DE	

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B7BLC2030		245.79	7280	N	1	0.80	DE	
B7BLC2040		245.79	7280	N	1	0.80	DE	
B7BLE1000		67.00	7280	N	1	0.30	DE	
B7BLE1015		245.45	7280	N	1	0.50	DE	
B7BLE1020		245.45	7280	N	1	0.50	DE	
B7BLE1030		245.45	7280	N	1	0.50	DE	
B7BLE2000		70.27	7280	N	1	0.30	DE	
B7BLE2015		317.05	7280	N	1	0.80	DE	
B7BLE2020		317.05	7280	N	1	0.80	DE	
B7BLE2030		317.05	7280	N	1	0.80	DE	
B7BLE2040		317.05	7280	N	1	0.80	DE	
B7BLF2000		27.96	7280	N	1	0.30	DE	
B7BLF2015		70.39	7280	N	1	0.80	DE	
B7BLF2020		70.39	7280	N	1	0.80	DE	
B7BLF2030	02015	70.39	7280	N	1	0.80	DE	Å
B7BLF3000		38.93	7280	N	1	0.30	DE	
B7BLF3015		95.28	7280	N	1	1.00	DE	
B7BLF3020		95.28	7280	N	1	1.00	DE	
B7BLF3030	02016	95.28	7280	N	1	0.80	DE	Å
B7BPK1000		46.03	7280	N	1	0.50	DE	
B7BPK1015		132.18	7280	N	1	2.50	DE	
B7BPK1020		132.18	7280	N	1	2.50	DE	
B7BPK1030		132.18	7280	N	1	2.50	DE	
B7BPK1040		132.18	7280	N	1	2.50	DE	
B7BPK1050		132.18	7280	N	1	2.50	DE	
B7BPK1060		132.18	7280	N	1	2.50	DE	
B7BPK1070		211.44	7280	N	1	2.50	DE	
B7BPK1080		211.44	7280	N	1	2.50	DE	
B7BPK1100		211.44	7280	N	1	2.50	DE	
B7BPK2000		52.87	7280	N	1	0.50	DE	
B7BPK2015		323.78	7280	N	1	3.50	DE	
B7BPK2020		323.78	7280	N	1	3.50	DE	
B7BPK2030		323.78	7280	N	1	3.50	DE	
B7BPK2040		323.78	7280	N	1	3.50	DE	
B7BPK2050		323.78	7280	N	1	3.50	DE	
B7BPK2060		323.78	7280	N	1	3.50	DE	
B7BPK2070		386.54	7280	N	1	3.50	DE	
B7BPK2080		386.54	7280	N	1	3.50	DE	
B7BPK2100		386.54	7280	N	1	3.50	DE	
B7BPK3000		58.14	7280	N	1	0.50	DE	
B7BPK3015		463.16	7280	N	1	5.00	DE	
B7BPK3020		463.16	7280	N	1	5.00	DE	
B7BPK3030		463.16	7280	N	1	5.00	DE	
B7BPK3040		463.16	7280	N	1	5.00	DE	
B7BPK3050		463.16	7280	N	1	5.00	DE	
B7BPK3060		463.16	7280	N	1	5.00	DE	
B7BPK3070		466.19	7280	N	1	5.00	DE	
B7BPK3080		466.19	7280	N	1	5.00	DE	
B7BPK3100		466.19	7280	N	1	5.00	DE	
B7BPL2000		52.87	7280	N	1	0.50	DE	
B7BPL2015		356.85	7280	N	1	3.50	DE	
B7BPL2020		356.85	7280	N	1	3.50	DE	
B7BPL2030		356.85	7280	N	1	3.50	DE	
B7BPL2040		356.85	7280	N	1	3.50	DE	
B7BPL2050		356.85	7280	N	1	3.50	DE	
B7BPL2060		356.85	7280	N	1	3.50	DE	
B7BPL2070		444.70	7280	N	1	3.50	DE	
B7BPL2080		444.70	7280	N	1	3.50	DE	
B7BPL2100		444.70	7280	N	1	3.50	DE	
B7BPL3000		58.14	7280	N	1	0.50	DE	
B7BPL3015		455.95	7280	N	1	3.50	DE	
B7BPL3020		455.95	7280	N	1	3.50	DE	
B7BPL3030		455.95	7280	N	1	3.50	DE	
B7BPL3040		455.95	7280	N	1	3.50	DE	
B7BPL3050		455.95	7280	N	1	3.50	DE	

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B7BPL3060		455.95	7280	N	1	3.50	DE	
B7BPL3070		541.95	7280	N	1	3.50	DE	
B7BPL3080		541.95	7280	N	1	3.50	DE	
B7BPL3100		541.95	7280	N	1	3.50	DE	
B7BPL3110		1156.55	7280	N	1	3.50	DE	
B7BPL3125		1156.55	7280	N	1	3.50	DE	
B7BPL3150		1156.55	7280	N	1	3.50	DE	
B7CA	01504	727.53	7150	N	1	46.00	DE	
B7CA-SFAL-42015	01505	947.88	7150	N	1	49.00	DE	
B7CA-SFAL-42020	01506	947.88	7150	N	1	49.00	DE	
B7CA-SFAL-42030	01507	947.88	7150	N	1	49.00	DE	
B7CA-SFAL-42040	01508	947.88	7150	N	1	49.00	DE	
B7CA-SFAL-42050	01509	947.88	7150	N	1	49.00	DE	
B7CA-SFAL-42060	01510	947.88	7150	N	1	49.00	DE	
B7CA-SFAL-42070	01511	1011.38	7150	N	1	49.00	DE	
B7CA-SFAL-42080	01512	1011.38	7150	N	1	49.00	DE	
B7CA-SFAL-42090	01513	1011.38	7150	N	1	49.00	DE	
B7CA-SFAL-42100	01514	1011.38	7150	N	1	49.00	DE	
B7CA-SFAL-43015	01515	1011.38	7150	N	1	51.00	DE	
B7CA-SFAL-43020	01516	1011.38	7150	N	1	51.00	DE	
B7CA-SFAL-43030	01517	1011.38	7150	N	1	51.00	DE	
B7CA-SFAL-43040	01518	1011.38	7150	N	1	51.00	DE	
B7CA-SFAL-43050	01519	1011.38	7150	N	1	51.00	DE	
B7CA-SFAL-43060	01520	1011.38	7150	N	1	51.00	DE	
B7CA-SFAL-43070	01521	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43080	01522	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43090	01523	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43100	01524	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-42015	01525	876.21	7150	N	1	49.00	DE	
B7CA-SFAL-42020	01526	876.21	7150	N	1	49.00	DE	
B7CA-SFAL-42030	01527	876.21	7150	N	1	49.00	DE	
B7CA-SFAL-42040	01528	876.21	7150	N	1	49.00	DE	
B7CA-SFAL-42050	01529	876.21	7150	N	1	49.00	DE	
B7CA-SFAL-42060	01530	876.21	7150	N	1	49.00	DE	
B7CA-SFAL-42070	01531	1047.82	7150	N	1	49.00	DE	
B7CA-SFAL-42080	01532	1047.82	7150	N	1	49.00	DE	
B7CA-SFAL-42090	01533	1047.82	7150	N	1	49.00	DE	
B7CA-SFAL-42100	01534	1047.82	7150	N	1	49.00	DE	
B7CA-SFAL-43015	01535	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43020	01536	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43030	01537	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43040	01538	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43050	01539	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43060	01540	1051.41	7150	N	1	51.00	DE	
B7CA-SFAL-43070	01541	1123.02	7150	N	1	51.00	DE	
B7CA-SFAL-43080	01542	1123.02	7150	N	1	51.00	DE	
B7CA-SFAL-43090	01543	1123.02	7150	N	1	51.00	DE	
B7CA-SFAL-43100	01544	1123.02	7150	N	1	51.00	DE	
B7CA-WEHD-42015	01545	947.88	7150	N	1	49.00	DE	
B7CA-WEHD-42020	01546	947.88	7150	N	1	49.00	DE	
B7CA-WEHD-42030	01547	947.88	7150	N	1	49.00	DE	
B7CA-WEHD-42040	01548	947.88	7150	N	1	49.00	DE	
B7CA-WEHD-42050	01549	947.88	7150	N	1	49.00	DE	
B7CA-WEHD-42060	01550	947.88	7150	N	1	49.00	DE	
B7CA-WEHD-42070	01551	1011.38	7150	N	1	49.00	DE	
B7CA-WEHD-42080	01552	1011.38	7150	N	1	49.00	DE	
B7CA-WEHD-42090	01553	1011.38	7150	N	1	49.00	DE	
B7CA-WEHD-42100	01554	1011.38	7150	N	1	49.00	DE	
B7CA-WEHD-43015	01555	1011.38	7150	N	1	51.00	DE	
B7CA-WEHD-43020	01556	1011.38	7150	N	1	51.00	DE	
B7CA-WEHD-43030	01557	1011.38	7150	N	1	51.00	DE	
B7CA-WEHD-43040	01558	1011.38	7150	N	1	51.00	DE	
B7CA-WEHD-43050	01559	1011.38	7150	N	1	51.00	DE	
B7CA-WEHD-43060	01560	1011.38	7150	N	1	51.00	DE	
B7CA-WEHD-43070	01561	1051.41	7150	N	1	51.00	DE	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
B7CA-WEHD-43080	01562	1051.41	7150	N	1	51.00	DE	
B7CA-WEHD-43090	01563	1051.41	7150	N	1	51.00	DE	
B7CA-WEHD-43100	01564	1051.41	7150	N	1	51.00	DE	
B7CA-WFDB-62015	01565	976.21	7150	N	1	49.00	DE	
B7CA-WFDB-62020	01566	976.21	7150	N	1	49.00	DE	
B7CA-WFDB-62030	01567	976.21	7150	N	1	49.00	DE	
B7CA-WFDB-62040	01568	976.21	7150	N	1	49.00	DE	
B7CA-WFDB-62050	01569	976.21	7150	N	1	49.00	DE	
B7CA-WFDB-62060	01570	976.21	7150	N	1	49.00	DE	
B7CA-WFDB-62070	01571	1047.82	7150	N	1	49.00	DE	
B7CA-WFDB-62080	01572	1047.82	7150	N	1	49.00	DE	
B7CA-WFDB-62090	01573	1047.82	7150	N	1	49.00	DE	
B7CA-WFDB-62100	01574	1047.82	7150	N	1	49.00	DE	
B7CA-WFDB-63015	01575	1051.41	7150	N	1	51.00	DE	
B7CA-WFDB-63020	01576	1051.41	7150	N	1	51.00	DE	
B7CA-WFDB-63030	01577	1051.41	7150	N	1	51.00	DE	
B7CA-WFDB-63040	01578	1051.41	7150	N	1	51.00	DE	
B7CA-WFDB-63050	01579	1051.41	7150	N	1	51.00	DE	
B7CA-WFDB-63060	01580	1051.41	7150	N	1	51.00	DE	
B7CA-WFDB-63070	01581	1123.02	7150	N	1	51.00	DE	
B7CA-WFDB-63080	01582	1123.02	7150	N	1	51.00	DE	
B7CA-WFDB-63090	01583	1123.02	7150	N	1	51.00	DE	
B7CA-WFDB-63100	01584	1123.02	7150	N	1	51.00	DE	
B7CB	01585	824.65	7150	N	1	80.00	DE	
B7CB-WFDB-62125	01586	1539.98	7150	N	1	83.00	DE	
B7CB-WFDB-62150	01587	1539.98	7150	N	1	83.00	DE	
B7CB-WFDB-63125	01588	1712.90	7150	N	1	85.00	DE	
B7CB-WFDB-63150	01589	1712.90	7150	N	1	85.00	DE	
B7CC	01590	1577.12	7150	N	1	155.00	DE	
B7CC-SKAL-62125	01591	2334.93	7150	N	1	166.00	DE	
B7CC-SKAL-62150	01592	2334.93	7150	N	1	166.00	DE	
B7CC-SKAL-62175	01593	2334.93	7150	N	1	166.00	DE	
B7CC-SKAL-62200	01594	2334.93	7150	N	1	166.00	DE	
B7CC-SKAL-62225	01595	2334.93	7150	N	1	166.00	DE	
B7CC-SKAL-62250	01596	2893.13	7150	N	1	166.00	DE	
B7CC-SKAL-63125	01597	2527.57	7150	N	1	168.00	DE	
B7CC-SKAL-63150	01598	2527.57	7150	N	1	168.00	DE	
B7CC-SKAL-63175	01599	2527.57	7150	N	1	168.00	DE	
B7CC-SKAL-63200	01600	2527.57	7150	N	1	168.00	DE	
B7CC-SKAL-63225	01601	2527.57	7150	N	1	168.00	DE	
B7CC-SKAL-63250	01602	3163.52	7150	N	1	168.00	DE	
B7CC-WJDB-62125	01603	2334.93	7150	N	1	166.00	DE	
B7CC-WJDB-62150	01604	2334.93	7150	N	1	166.00	DE	
B7CC-WJDB-62175	01605	2334.93	7150	N	1	166.00	DE	
B7CC-WJDB-62200	01606	2334.93	7150	N	1	166.00	DE	
B7CC-WJDB-62225	01607	2334.93	7150	N	1	166.00	DE	
B7CC-WJDB-62250	01608	2893.13	7150	N	1	166.00	DE	
B7CC-WJDB-63125	01609	2527.57	7150	N	1	168.00	DE	
B7CC-WJDB-63150	01610	2527.57	7150	N	1	168.00	DE	
B7CC-WJDB-63175	01611	2527.57	7150	N	1	168.00	DE	
B7CC-WJDB-63200	01612	2527.57	7150	N	1	168.00	DE	
B7CC-WJDB-63225	01613	2527.57	7150	N	1	168.00	DE	
B7CC-WJDB-63250	01614	3163.52	7150	N	1	168.00	DE	
B7CD	01615	1818.68	7150	N	1	160.00	DE	
B7CD-SLAL-62250	01616	3228.67	7150	N	1	166.00	DE	
B7CD-SLAL-62300	01617	3228.67	7150	N	1	166.00	DE	
B7CD-SLAL-62350	01618	3228.67	7150	N	1	166.00	DE	
B7CD-SLAL-62400	01619	3228.67	7150	N	1	166.00	DE	
B7CD-SLAL-63250	01620	3507.03	7150	N	1	168.00	DE	
B7CD-SLAL-63300	01621	3507.03	7150	N	1	168.00	DE	
B7CD-SLAL-63350	01622	3507.03	7150	N	1	168.00	DE	
B7CD-SLAL-63400	01623	3507.03	7150	N	1	168.00	DE	
B7CD-WKD-62250	01624	3228.67	7150	N	1	166.00	DE	
B7CD-WKD-62300	01625	3228.67	7150	N	1	166.00	DE	
B7CD-WKD-62350	01626	3228.67	7150	N	1	166.00	DE	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
B7CD-WKD-62400	01627	3228.67	7150	N	1	166.00	DE	
B7CD-WKD-63250	01628	3507.03	7150	N	1	168.00	DE	
B7CD-WKD-63300	01629	3507.03	7150	N	1	168.00	DE	
B7CD-WKD-63350	01630	3507.03	7150	N	1	168.00	DE	
B7CD-WKD-63400	01631	3507.03	7150	N	1	168.00	DE	
B7CE	01632	3274.99	7150	N	1	250.00	DE	
B7CE-SLCL-62500	01633	5289.56	7150	N	1	265.00	DE	
B7CE-SLCL-62600	01634	5289.56	7150	N	1	265.00	DE	
B7CE-SLCL-63500	01635	5828.03	7150	N	1	266.00	DE	
B7CE-SLCL-63600	01636	5828.03	7150	N	1	266.00	DE	
B7CE-WLD-62400	01637	5289.56	7150	N	1	265.00	DE	
B7CE-WLD-62500	01638	5289.56	7150	N	1	265.00	DE	
B7CE-WLD-62600	01639	5289.56	7150	N	1	265.00	DE	
B7CE-WLD-63400	01640	5828.03	7150	N	1	266.00	DE	
B7CE-WLD-63500	01641	5828.03	7150	N	1	266.00	DE	
B7CE-WLD-63600	01642	5828.03	7150	N	1	266.00	DE	
B7CF	11228	3481.58	7150	N	1	540.00	DE	
B7CF-SMAL-621000	11229	8471.65	7150	N	1	575.00	DE	
B7CF-SMAL-62600	11230	6963.00	7150	N	1	575.00	DE	
B7CF-SMAL-62700	11231	6963.00	7150	N	1	575.00	DE	
B7CF-SMAL-62800	11232	6963.00	7150	N	1	575.00	DE	
B7CF-SMAL-631000	11233	8471.65	7150	N	1	575.00	DE	
B7CF-SMAL-63600	11234	7311.15	7150	N	1	575.00	DE	
B7CF-SMAL-63700	11235	7311.15	7150	N	1	575.00	DE	
B7CF-SMAL-63800	11236	7311.15	7150	N	1	575.00	DE	
B7CF-WMD-621000	11237	8471.65	7150	N	1	580.00	DE	
B7CF-WMD-621200	11238	8471.65	7150	N	1	580.00	DE	
B7CF-WMD-62600	11239	6963.00	7150	N	1	580.00	DE	
B7CF-WMD-62700	11240	6963.00	7150	N	1	580.00	DE	
B7CF-WMD-62800	11241	6963.00	7150	N	1	580.00	DE	
B7CF-WMD-631000	11242	9051.90	7150	N	1	590.00	DE	
B7CF-WMD-631200	11243	9051.90	7150	N	1	590.00	DE	
B7CF-WMD-63600	11244	7311.15	7150	N	1	590.00	DE	
B7CF-WMD-63700	11245	7311.15	7150	N	1	590.00	DE	
B7CF-WMD-63800	11246	7311.15	7150	N	1	590.00	DE	
B7C-GRND	01500	15.15	7150	N	1	0.20	DE	
B7C-SN1	01501	37.32	7150	N	1	2.00	DE	
B7C-SN2	01502	74.74	7150	N	1	4.00	DE	
B7C-SN3	01503	123.83	7150	N	1	6.00	DE	
B7CT100		202.42	9626	N	1		C	
B7CT150		236.00	9626	N	1		C	
B7CT200		278.32	9626	N	1		C	
B7CT250		303.61	9626	N	1		C	
B7CT300	11247	348.00	9626	N	1	9.00	C	
B7CT50		162.77	9626	N	1		C	
B7CT500	11248	586.25	7150	N	1	13.00	C	
B7CT75		185.63	9626	N	1		C	
B7CU		418.24	9626	N	1		DE	
B7DBP		152.63	9626	N	1		C	
B7DLO		N/C	9626	N	1		C	
B7E2SS		123.01	9626	N	1	0.50	C	
B7EA	02017	598.25	1330	N	1	46.00	E	Å
B7EAPL	02018	83.49	9626	N	1	0.50	C	Å
B7EB	02019	736.50	1330	N	1	78.00	E	Å
B7EC	02020	685.75	1330	N	1	56.00	E	Å
B7ED	02021	949.50	1330	N	1	88.00	E	Å
B7EDBP	11250	156.19	9626	N	1	0.50	C	
B7EE	02022	1266.00	1330	N	1	80.00	E	Å
B7EF	02023	1899.00	1330	N	1	143.00	E	Å
B7EG	02024	1582.50	1330	N	1	155.00	E	Å
B7EGPL	11251	83.49	9626	N	1	0.50	C	
B7EH	02025	2321.00	1330	N	1	235.00	E	Å
B7EJ	02026	4747.50	1330	N	1	540.00	E	Å
B7EK	02027	1266.00	1330	N	1	120.00	E	Å
B7EL	02028	1899.00	1330	N	1	170.00	E	Å

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
[illegible]	02029	[illegible]	9626	N	1	0.50	C	Å
[illegible]	11252	[illegible]	9626	N	1	0.50	C	
[illegible]	11253	[illegible]	9626	N	1	0.50	C	
[illegible]	02030	[illegible]	1330	N	1	220.00	E	Å
[illegible]	02031	[illegible]	1330	N	1	260.00	E	Å
[illegible]	11254	[illegible]	9626	N	1	0.50	C	
[illegible]	11256	[illegible]	9626	N	1	0.50	C	
[illegible]		[illegible]	7280	N	1		DE	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	7280	N	1	2.00	DE	Å
[illegible]		[illegible]	7280	N	1	4.00	DE	Å
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1	2.00	DE	
[illegible]		[illegible]	9626	N	1	4.00	DE	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	7280	N	1		C	Å
[illegible]		[illegible]	9626	N	1		C	Å
[illegible]	11257	[illegible]	9626	N	1	0.50	C	
[illegible]		[illegible]	7280	N	1	140.00	DE	
[illegible]		[illegible]	7280	N	1	140.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	Å
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	Å
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
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[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	Å
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	Å
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	Å
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	Å
[illegible]		[illegible]	7280	N	1	300.00	DE	
[illegible]		[illegible]	7280	N	1	300.00	DE	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
[illegible]		[illegible]	7280	N	1	300.00	DE	
[illegible]	02032	[illegible]	9626	N	1	1.00	C	Å
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	7280	N	1	2.00	DE	
[illegible]		[illegible]	7280	N	1	5.00	DE	
[illegible]		[illegible]	7280	N	1		DE	
[illegible]		[illegible]	7280	N	1	140.00	DE	
[illegible]		[illegible]	7280	N	1	191.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1	190.00	DE	
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[illegible]		[illegible]	7280	N	1	190.00	DE	
[illegible]		[illegible]	7280	N	1		DE	
[illegible]		[illegible]	7280	N	1	250.00	DE	
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[illegible]		[illegible]	7280	N	1	250.00	DE	
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[illegible]		[illegible]	7280	N	1	250.00	DE	
[illegible]		[illegible]	7280	N	1	300.00	DE	
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[illegible]		[illegible]	7280	N	1	300.00	DE	
[illegible]		[illegible]	7280	N	1		DE	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]	11258	[illegible]	9626	N	1	0.50	C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]	11259	[illegible]	9626	N	1	0.50	C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]		[illegible]	9626	N	1		C	
[illegible]	03001	[illegible]	16150	A	25	0.13	F	
[illegible]	17036	[illegible]	16151	A	25	9.90	F	
[illegible]	03002	[illegible]	16150	A	10/50	0.19	F	
[illegible]	17037	[illegible]	16151	A	10	5.70	F	
[illegible]	03003	[illegible]	16150	B	10/50	0.34	F	
[illegible]	17038	[illegible]	16151	B	5	5.10	F	
[illegible]	01140	[illegible]	15211	A	5	1.00	F	Å
[illegible]	08040	[illegible]	15201	A	10	0.50	F	
[illegible]	48097	[illegible]	15218	A	5	1.20	F	Å
[illegible]	01141	[illegible]	15211	A	5	1.30	F	Å
[illegible]	08041	[illegible]	15201	A	5	0.50	F	
[illegible]	48098	[illegible]	15218	A	5	1.60	F	Å
[illegible]	01142	[illegible]	15211	A	2	1.80	F	Å
[illegible]	08042	[illegible]	15201	A	5	1.00	F	
[illegible]	48099	[illegible]	15218	A	5	1.70	F	Å
[illegible]	48100	[illegible]	15219	A	1	3.40	F	Å
[illegible]	01143	[illegible]	15212	A	2	2.50	F	Å
[illegible]	08043	[illegible]	15202	A	2	1.00	F	
[illegible]	01144	[illegible]	15212	A	1	3.00	F	Å

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
C675A	08044	17.38	15202	A	2	1.00	F	
C68	48101	10.46	15219	A	1	5.10	F	Å
C67	01145	29.89	15212	A	1	4.50	F	Å
C675A	08045	28.56	15202	A	1	1.00	F	
C68	48102	22.36	15219	A	1	8.00	F	Å
C77	01146	88.65	15213*	A	1	14.00	F	Å
C775A	08046	86.86	15203	B	1	5.50	F	
C78	48103	82.36	15220	B	1	13.30	F	Å
C87	01147	65.29	15213	A	1	10.00	F	Å
C875A	08047	78.76	15203	B	1	3.00	F	
C88	48104	69.46	15220	B	1	14.60	F	Å
C97	01148	133.07	15213	A	1	23.00	F	Å
C975A	08048	137.44	15203	B	1	8.50	F	
C187	01149	149.71	15213	A	1	18.00	F	Å
C187SA	08049	147.66	15203	B	1	7.00	F	
CBH-114	04070	214.76	7150	N	1/5		E	
CBH-116	04072	214.76	7150	N	1		E	
CBH-120	04074	214.76	7150	N	1		E	
CBH-125	04089	16.62	7150	N	1		E	
CBH-1P	04083	12.80	7150	N	1		E	
CBH-205							¿	
CBH-213	04075	215.83	7150	N	1		E	
CBH-215	04076	215.83	1327	N	1		E	
CBH-216	04077	215.83	7150	N	1		E	
CBH-414N	04092	148.98	7150	N	1		E	
CBH-113 (USE 5380W)								
CBH-115 (USE 5380W)								
CBH-118 (USE 5380W)								
CBH-3305								¿
CBH-3405								¿
CBH-3P	04084	38.99	7150	N	1		E	
CBH-413 (USE 5380W)								
CBH-416 (USE 5380W)								
CBH-4P								¿
CBH-5P								¿
CBH-63	04087	11.88	7150	N	1	0.50	E	
CBH-63								¿
CBAP-BKA-1[illegible]	40821	14.78	16501	N	20	0.50	F	Å
CBAP-BKA-1[illegible]	40833	16.78	16501	N	20	0.50	F	Å
CBAP-BKA-1[illegible]	40822	16.78	16501	N	20	0.50	F	Å
CBAP-BKA-1[illegible]	41062	18.38	16501	N	20	0.50	F	Å
CBAP-BKA-1[illegible]	40823	24.34	16501	N	15	0.75	F	Å
CBAP-BKA-1[illegible]	41063	24.34	16501	N	15	0.75	F	Å
CBAP-BKA-1[illegible]	40824	28.56	16501	N	9	1.00	F	Å
CBAP-BKA-1[illegible]	41064	28.56	16501	N	9	1.00	F	Å
CBAP-BKA-1[illegible]	40825	65.86	16501	N	5	1.50	F	Å
CBAP-BKA-1[illegible]	41065	65.86	16501	N	5	1.50	F	Å
CBAP-BKA-1[illegible]	40826	101.19	16501	N	5	2.00	F	Å
CBAP-BKA-1[illegible]	41066	101.19	16501	N	5	2.00	F	Å
CBAP-BKA-1[illegible]	40827	101.19	16501	N	5	2.50	F	Å
CBAP-BKA-1[illegible]	41067	101.19	16501	N	5	2.50	F	Å
CBAP-BKA-1[illegible]	40828	208.71	16501	N	1	3.00	F	Å
CBAP-BKA-1[illegible]	41068	208.71	16501	N	1	3.00	F	Å
CBAP-BKA-1[illegible]	40829	208.71	16501	N	1	3.00	F	Å
CBAP-BKA-1[illegible]	41069	208.71	16501	N	1	3.00	F	Å
CBAP-BKA-1[illegible]	40830	223.26	16501	N	1	4.00	F	Å
CBAP-BKA-1[illegible]	41070	223.26	16501	N	1	4.00	F	Å
CBAP-BKA-1[illegible]	40831	278.26	16501	N	1	5.00	F	Å
CBAP-BKA-1[illegible]	41071	278.26	16501	N	1	5.00	F	Å
CBAP-BKA-1[illegible]	40832	328	16501	N	1	8.75	F	Å
CBAP-BKA-1[illegible]	41072	328	16501	N	1	8.75	F	Å
CBBP-BKA-1[illegible]	40834	24.56	16502	N	20	0.75	F	Å
CBBP-BKA-1[illegible]	41073	24.56	16502	N	1	0.75	F	Å
CBBP-BKA-1[illegible]	40835	26.15	16502	N	15	1.00	F	Å
CBBP-BKA-1[illegible]	41074	26.15	16502	N	15	1.00	F	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CBBP-BKA-1[illegible]	40836	43.64	16502	N	9	1.25	F	Å
CBBP-BKA-1[illegible]	41075	43.64	16502	N	9	1.25	F	Å
CBBP-BKA-1[illegible]	40837	71.58	16502	N	5	2.00	F	Å
CBBP-BKA-1[illegible]	41076	71.58	16502	N	5	2.00	F	Å
CBBP-BKA-1[illegible]	40838	106.56	16502	N	5	2.25	F	Å
CBBP-BKA-1[illegible]	41077	106.56	16502	N	5	2.25	F	Å
CBBP-BKA-1[illegible]	40839	138.69	16502	N	5	2.75	F	Å
CBBP-BKA-1[illegible]	41078	138.69	16502	N	5	2.75	F	Å
CBBP-BKA-1[illegible]	40840	197.43	16502	N	1	3.50	F	Å
CBBP-BKA-1[illegible]	41079	197.43	16502	N	1	3.50	F	Å
CBBP-BKA-1[illegible]	40841	197.43	16502	N	1	3.50	F	Å
CBBP-BKA-1[illegible]	41080	197.43	16502	N	1	3.50	F	Å
CBBP-BKA-1[illegible]	40842	257.91	16502	N	1	5.00	F	Å
CBBP-BKA-1[illegible]	41081	257.91	16502	N	1	5.00	F	Å
CBBP-BKA-1[illegible]	40843	257.91	16502	N	1	5.75	F	Å
CBBP-BKA-1[illegible]	41082	257.91	16502	N	1	5.75	F	Å
CBBP-BKA-1[illegible]	40844	303.39	16502	N	1	10.00	F	Å
CBBP-BKA-1[illegible]	41083	303.39	16502	N	1	10.00	F	Å
CBBP-BKA-1[illegible]	40845	17.19	16503	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	41084	17.19	16503	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	40846	21.85	16503	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	41085	21.85	16503	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	40847	27.76	16503	N	15	0.75	F	Å
CBBP-BKA-1[illegible]	41086	27.76	16503	N	15	0.75	F	Å
CBBP-BKA-1[illegible]	40848	48.40	16503	N	9	1.00	F	Å
CBBP-BKA-1[illegible]	41087	48.40	16503	N	9	1.00	F	Å
CBBP-BKA-1[illegible]	40849	55.86	16503	N	5	1.50	F	Å
CBBP-BKA-1[illegible]	41088	55.86	16503	N	5	1.50	F	Å
CBBP-BKA-1[illegible]	40850	65.16	16503	N	5	1.75	F	Å
CBBP-BKA-1[illegible]	41089	65.16	16503	N	5	1.75	F	Å
CBBP-BKA-1[illegible]	40851	83.16	16503	N	5	2.00	F	Å
CBBP-BKA-1[illegible]	41090	83.16	16503	N	5	2.00	F	Å
CBBP-BKA-1[illegible]	40852	201.61	16503	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	41091	201.61	16503	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	40853	201.61	16503	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	41092	201.61	16503	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	40854	257.96	16503	N	1	3.75	F	Å
CBBP-BKA-1[illegible]	41093	257.96	16503	N	1	3.75	F	Å
CBBP-BKA-1[illegible]	40855	257.96	16503	N	1	4.00	F	Å
CBBP-BKA-1[illegible]	41094	257.96	16503	N	1	4.00	F	Å
CBBP-BKA-1[illegible]	40856	427.50	16503	N	1	7.75	F	Å
CBBP-BKA-1[illegible]	41095	427.50	16503	N	1	7.75	F	Å
CBBP-BKA-1[illegible]	41096	20.94	16504	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	40857	20.94	16504	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	41097	23.24	16504	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	40858	34.29	16504	N	20	0.50	F	Å
CBBP-BKA-1[illegible]	41098	42.84	16504	N	15	0.75	F	Å
CBBP-BKA-1[illegible]	40859	42.84	16504	N	15	0.75	F	Å
CBBP-BKA-1[illegible]	41099	55.68	16504	N	9	1.00	F	Å
CBBP-BKA-1[illegible]	40860	55.68	16504	N	9	1.00	F	Å
CBBP-BKA-1[illegible]	41100	100.56	16504	N	5	1.50	F	Å
CBBP-BKA-1[illegible]	40861	100.56	16504	N	5	1.50	F	Å
CBBP-BKA-1[illegible]	41101	123.11	16504	N	5	1.75	F	Å
CBBP-BKA-1[illegible]	40862	123.11	16504	N	5	1.75	F	Å
CBBP-BKA-1[illegible]	41102	123.11	16504	N	5	2.00	F	Å
CBBP-BKA-1[illegible]	40863	223.11	16504	N	5	2.00	F	Å
CBBP-BKA-1[illegible]	41103	224.76	16504	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	40864	224.76	16504	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	41104	224.76	16504	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	40865	224.76	16504	N	1	2.50	F	Å
CBBP-BKA-1[illegible]	41105	334.56	16504	N	1	3.75	F	Å
CBBP-BKA-1[illegible]	40866	334.56	16504	N	1	3.75	F	Å
CBBP-BKA-1[illegible]	41106	334.56	16504	N	1	4.00	F	Å
CBBP-BKA-1[illegible]	40867	334.56	16504	N	1	4.00	F	Å
CBBP-BKA-1[illegible]	41107	725	16504	N	1	7.75	F	Å

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CGDP-BUA-10NM88	40868	125	16504	N	1	7.75	F	Å
CGMC-CXJ-150050NPT	41119	11.24	16439	N	20	0.25	F	Å
CGMC-CXJ-150M20	41118	11.24	16439	N	20	0.25	F	Å
CGMC-CXJ-15C050NPT	41121	11.24	16439	N	20	0.50	F	Å
CGMC-CXJ-15CM20	41120	11.24	16439	N	20	0.50	F	Å
CGMC-CXJ-15D050NPT	41123	13.03	16439	N	20	0.50	F	Å
CGMC-CXJ-15DM20	41122	13.03	16439	N	20	0.50	F	Å
CGMC-CXJ-15E075NPT	41125	20.53	16439	N	15	0.75	F	Å
CGMC-CXJ-15EM25	41124	20.53	16439	N	15	0.75	F	Å
CGMC-CXJ-15P100NPT	41127	27.66	16439	N	9	1.00	F	Å
CGMC-CXJ-15PM32	41126	27.66	16439	N	9	1.00	F	Å
CGMC-CXJ-15G125NPT	41129	51.93	16439	N	5	1.25	F	Å
CGMC-CXJ-15GM40	41128	51.93	16439	N	5	1.25	F	Å
CGMC-CXJ-15H150NPT	41131	74.95	16439	N	5	1.75	F	Å
CGMC-CXJ-15HM50	41130	74.95	16439	N	5	1.75	F	Å
CGMC-CXJ-15I200NPT	41133	74.95	16439	N	5	2.00	F	Å
CGMC-CXJ-15IM60	41132	74.95	16439	N	5	2.00	F	Å
CGMC-CXJ-15J250NPT	41135	138.44	16439	N	1	2.75	F	Å
CGMC-CXJ-15JM63	41134	138.44	16439	N	1	2.75	F	Å
CGMC-CXJ-15K250NPT	41137	138.44	16439	N	1	2.50	F	Å
CGMC-CXJ-15KM63	41136	138.44	16439	N	1	2.50	F	Å
CGMC-CXJ-15L250NPT	41139	219.48	16439	N	1	3.75	F	Å
CGMC-CXJ-15LM75	41138	219.48	16439	N	1	3.75	F	Å
CGMC-CXJ-15M300NPT	41141	219.48	16439	N	1	3.75	F	Å
CGMC-CXJ-15MM75	41140	219.48	16439	N	1	3.75	F	Å
CGUA-CNA-10B050NPT	40870	4.16	16505	N	20	0.25	F	Å
CGUA-CNA-10BM20	40869	4.16	16505	N	20	0.25	F	Å
CGUA-CNA-10C050NPT	40872	4.16	16505	N	20	0.25	F	Å
CGUA-CNA-10CM20	40871	4.16	16505	N	20	0.25	F	Å
CGUA-CNA-10D050NPT	40874	4.99	16505	N	20	0.25	F	Å
CGUA-CNA-10DM20	40873	4.99	16505	N	20	0.25	F	Å
CGUA-CNA-10E075NPT	40876	7.88	16505	N	15	0.25	F	Å
CGUA-CNA-10EM25	40875	7.88	16505	N	15	0.25	F	Å
CGUA-CNA-10P100NPT	40878	14.28	16505	N	9	0.50	F	Å
CGUA-CNA-10PM32	40877	14.28	16505	N	9	0.50	F	Å
CGUA-CNA-10G125NPT	40880	26.54	16505	N	5	0.50	F	Å
CGUA-CNA-10GM40	40879	26.54	16505	N	5	0.50	F	Å
CGUA-CNA-10H150NPT	40882	36.41	16505	N	5	0.50	F	Å
CGUA-CNA-10HM50	40881	36.41	16505	N	5	0.50	F	Å
CGUA-CNA-10I200NPT	40884	36.41	16505	N	5	0.75	F	Å
CGUA-CNA-10IM60	40883	36.41	16505	N	5	0.75	F	Å
CGUA-CNA-10J200NPT	40886	69.41	16505	N	1	1.00	F	Å
CGUA-CNA-10JM63	40885	69.41	16505	N	1	1.00	F	Å
CGUA-CNA-10K250NPT	40888	69.41	16505	N	1	1.00	F	Å
CGUA-CNA-10KM63	40887	69.41	16505	N	1	1.00	F	Å
CGUA-CNA-10L250NPT	40890	94.86	16505	N	1	1.00	F	Å
CGUA-CNA-10LM75	40889	94.86	16505	N	1	1.00	F	Å
CGUA-CNA-10M300NPT	40892	94.86	16505	N	1	1.00	F	Å
CGUA-CNA-10MM75	40891	94.86	16505	N	1	1.00	F	Å
CGUA-CNA-10N350NPT	41117	172.86	16505	N	1	1.00	F	Å
CGUA-CNA-10NM75	41116	172.86	16505	N	1	1.00	F	Å
CGUE-CXJ-10B050NPT	40894	12.31	16436	N	20	0.25	F	Å
CGUE-CXJ-10BM20	40893	12.31	16436	N	20	0.25	F	Å
CGUE-CXJ-10C050NPT	40896	12.31	16436	N	20	0.50	F	Å
CGUE-CXJ-10CM20	40895	12.31	16436	N	20	0.50	F	Å
CGUE-CXJ-10D050NPT	40898	14.28	16436	N	20	0.50	F	Å
CGUE-CXJ-10DM20	40897	14.28	16436	N	20	0.50	F	Å
CGUE-CXJ-10E075NPT	40900	21.70	16436	N	15	0.75	F	Å
CGUE-CXJ-10EM25	40899	21.70	16436	N	15	0.75	F	Å
CGUE-CXJ-10F100NPT	40902	30.23	16436	N	9	1.00	F	Å
CGUE-CXJ-10FM32	40901	30.23	16436	N	9	1.00	F	Å
CGUE-CXJ-10G125NPT	40904	56.69	16436	N	5	1.50	F	Å
CGUE-CXJ-10GM40	40903	56.69	16436	N	5	1.50	F	Å
CGUE-CXJ-10H150NPT	40906	81.69	16436	N	5	2.00	F	Å
CGUE-CXJ-10HM50	40905	81.69	16436	N	5	2.00	F	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CGUE-CXJ-10I200NPT	40908	81.69	16436	N	5	2.50	F	Å
CGUE-CXJ-10IM60	40907	81.69	16436	N	5	2.50	F	Å
CGUE-CXJ-10J200NPT	40910	142.21	16436	N	1	3.50	F	Å
CGUE-CXJ-10JM63	40909	142.21	16436	N	1	3.50	F	Å
CGUE-CXJ-10K250NPT	40912	142.21	16436	N	1	3.50	F	Å
CGUE-CXJ-10KM63	40911	142.21	16436	N	1	3.50	F	Å
CGUE-CXJ-10L250NPT	40914	239.21	16436	N	1	4.75	F	Å
CGUE-CXJ-10LM75	40913	239.21	16436	N	1	4.75	F	Å
CGUE-CXJ-10M300NPT	40916	239.21	16436	N	1	4.75	F	Å
CGUE-CXJ-10MM75	40915	239.21	16436	N	1	4.75	F	Å
CGUP-CUA-10B050NPT	40918	12.85	16437	N	20	0.50	F	Å
CGUP-CUA-10BM20	40917	12.85	16437	N	20	0.50	F	Å
CGUP-CUA-10C050NPT	40920	12.85	16437	N	20	0.50	F	Å
CGUP-CUA-10CM20	40919	12.85	16437	N	20	0.50	F	Å
CGUP-CUA-10D050NPT	40922	15.03	16437	N	20	0.75	F	Å
CGUP-CUA-10DM20	40921	15.03	16437	N	20	0.75	F	Å
CGUP-CUA-10E075NPT	40924	22.66	16437	N	15	1.00	F	Å
CGUP-CUA-10EM25	40923	22.66	16437	N	15	1.00	F	Å
CGUP-CUA-10F100NPT	40926	31.56	16437	N	9	1.50	F	Å
CGUP-CUA-10FM32	40925	31.56	16437	N	9	1.50	F	Å
CGUP-CUA-10G125NPT	40928	59.14	16437	N	5	2.00	F	Å
CGUP-CUA-10GM40	40927	59.14	16437	N	5	2.00	F	Å
CGUP-CUA-10H150NPT	40930	85.33	16437	N	5	2.25	F	Å
CGUP-CUA-10HM50	40929	85.33	16437	N	5	2.25	F	Å
CGUP-CUA-10I200NPT	40932	85.33	16437	N	5	2.75	F	Å
CGUP-CUA-10IM60	40931	85.33	16437	N	5	2.75	F	Å
CGUP-CUA-10J200NPT	40934	148.56	16437	N	1	3.50	F	Å
CGUP-CUA-10JM63	40933	148.56	16437	N	1	3.50	F	Å
CGUP-CUA-10L250NPT	40936	148.56	16437	N	1	3.50	F	Å
CGUP-CUA-10KM63	40935	148.56	16437	N	1	3.50	F	Å
CGUP-CUA-10L250NPT	40938	249.90	16437	N	1	5.00	F	Å
CGUP-CUA-10LM75	40937	249.90	16437	N	1	5.00	F	Å
CGUP-CUA-10M300NPT	40940	249.90	16437	N	1	5.00	F	Å
CGUP-CUA-10MM75	40939	249.90	16437	N	1	5.00	F	Å
CGUP-CUA-10N350NPT	40942	945.35	16437	N	1	10.25	F	Å
CGUP-CUA-10NM88	40941	945.35	16437	N	1	10.25	F	Å
CGZC-CUA-10B050NPT	40944	11.24	16438	N	20	0.25	F	Å
CGZC-CUA-10BM20	40943	11.24	16438	N	20	0.25	F	Å
CGZC-CUA-10C050NPT	40946	11.24	16438	N	20	0.50	F	Å
CGZC-CUA-10CM20	40945	11.24	16438	N	20	0.50	F	Å
CGZC-CUA-10D050NPT	40948	13.03	16438	N	20	0.50	F	Å
CGZC-CUA-10DM20	40947	13.03	16438	N	20	0.50	F	Å
CGZC-CUA-10E075NPT	40950	20.53	16438	N	15	0.75	F	Å
CGZC-CUA-10EM25	40949	20.53	16438	N	15	0.75	F	Å
CGZC-CUA-10F100NPT	40952	27.66	16438	N	9	1.00	F	Å
CGZC-CUA-10FM32	40951	27.66	16438	N	9	1.00	F	Å
CGZC-CUA-10G125NPT	40954	51.93	16438	N	5	1.25	F	Å
CGZC-CUA-10GM40	40953	51.93	16438	N	5	1.25	F	Å
CGZC-CUA-10H150NPT	40956	74.95	16438	N	5	1.75	F	Å
CGZC-CUA-10HM50	40955	74.95	16438	N	5	1.75	F	Å
CGZC-CUA-10I200NPT	40958	74.95	16438	N	5	2.00	F	Å
CGZC-CUA-10IM60	40957	74.95	16438	N	5	2.00	F	Å
CGZC-CUA-10J200NPT	40960	138.44	16438	N	5	2.75	F	Å
CGZC-CUA-10JM63	40959	138.44	16438	N	1	2.75	F	Å
CGZC-CUA-10K200NPT	40962	138.44	16438	N	1	2.50	F	Å
CGZC-CUA-10KM63	40961	138.44	16438	N	1	2.50	F	Å
CGZC-CUA-10L250NPT	40964	219.48	16438	N	1	3.75	F	Å
CGZC-CUA-10LM75	40963	219.48	16438	N	1	3.75	F	Å
CGZC-CUA-10M300NPT	40966	219.48	16438	N	1	3.75	F	Å
CGZC-CUA-10MM75	40965	219.48	16438	N	1	3.75	F	Å
CL-1	07001	4.86	15591	A	10/50	0.20	F	
CL-2	07002	5.83	15591	A	5	0.22	F	
CL-3	07003	8.93	15591	B	5/25	0.37	F	
CLM-1	06001	6.16	15591	A	10/50	0.23	F	
CLM-2	06005	7.71	15591	A	5/25	0.25	F	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CLM-3	06010	11.41	15591	B	5/25	0.42	F	
CSC120C150	03437	130.20	9343	N	1	3.50	C	Å
CSC120M021	03485	137.55	9343	N	1	3.50	C	Å
CSC120M273	95184	137.55	9343	N	1	3.50	C	Å
CSC120PLR0	03341	134.40	9343	N	1	3.50	C	Å
CSC120U011	03389	115.50	9343	N	1	3.50	C	Å
CSC121C150	03438	130.20	9343	N	1	3.50	C	Å
CSC121M021	03486	137.55	9343	N	1	3.50	C	Å
CSC121M273	95185	137.55	9343	N	1	3.50	C	Å
CSC121PLR0	03342	134.40	9343	N	1	3.50	C	Å
CSC121U011	03390	115.50	9343	N	1	3.50	C	Å
CSC122C150	03439	148.05	9343	N	1	3.50	C	Å
CSC122M021	03487	155.40	9343	N	1	3.50	C	Å
CSC122M273	95186	155.40	9343	N	1	3.50	C	Å
CSC122PLR0	03343	152.25	9343	N	1	3.50	C	Å
CSC122U011	03391	133.35	9343	N	1	3.50	C	Å
CSC123C150	03440	130.20	9343	N	1	3.50	C	Å
CSC123M021	03488	137.55	9343	N	1	3.50	C	Å
CSC123M273	95187	137.55	9343	N	1	3.50	C	Å
CSC123PLR0	03344	134.40	9343	N	1	3.50	C	Å
CSC123U011	03392	115.50	9343	N	1	3.50	C	Å
CSC124	95971	60.32	9343	N	1		C	Å
CSC124C150	03441	130.20	9343	N	1	3.50	C	Å
CSC124M021	03489	137.55	9343	N	1	3.50	C	Å
CSC124M273	95948	137.55	9343	N	1	3.50	C	Å
CSC124PLR0	03345	134.40	9343	N	1	3.50	C	Å
CSC124U011	03393	115.50	9343	N	1	3.50	C	Å
CSC125	95972	61.35	9343	N	1		C	Å
CSC125C150	03442	148.05	9343	N	1	3.50	C	Å
CSC125M021	03490	155.40	9343	N	1	3.50	C	Å
CSC125M273	95189	155.40	9343	N	1	3.50	C	Å
CSC125PLR0	03346	152.25	9343	N	1	3.50	C	Å
CSC125U011	03394	133.35	9343	N	1	3.50	C	Å
CSC126C150	03443	130.20	9343	N	1	3.50	C	Å
CSC126M021	03491	137.55	9343	N	1	3.50	C	Å
CSC126M273	95190	137.55	9343	N	1	3.50	C	Å
CSC126PLR0	03347	134.40	9343	N	1	3.50	C	Å
CSC126U011	03395	115.50	9343	N	1	3.50	C	Å
CSC127C150	03444	130.20	9343	N	1	3.50	C	Å
CSC127M021	03492	137.55	9343	N	1	3.50	C	Å
CSC127M273	95191	137.55	9343	N	1	3.50	C	Å
CSC127PLR0	03348	134.40	9343	N	1	3.50	C	Å
CSC127U011	03396	115.50	9343	N	1	3.50	C	Å
CSC128C150	03445	148.05	9343	N	1	3.50	C	Å
CSC128M021	03493	155.40	9343	N	1	3.50	C	Å
CSC128M273	95192	155.40	9343	N	1	3.50	C	Å
CSC128PLR0	03349	152.25	9343	N	1	3.50	C	Å
CSC128U011	03397	133.35	9343	N	1	3.50	C	Å
CSC12AC150	03431	124.69	9343	N	1	3.50	C	Å
CSC12AM021	03479	131.78	9343	N	1	3.50	C	Å
CSC12AM273	95178	131.78	9343	N	1	3.50	C	Å
CSC12APLR0	03335	128.69	9343	N	1	3.50	C	Å
CSC12AU011	03383	109.99	9343	N	1	3.50	C	Å
CSC12BC150	03432	124.69	9343	N	1	3.50	C	Å
CSC12BM021	03480	131.78	9343	N	1	3.50	C	Å
CSC12BM273	95179	131.78	9343	N	1	3.50	C	Å
CSC12BPLR0	03336	128.69	9343	N	1	3.50	C	Å
CSC12BU011	03384	109.99	9343	N	1	3.50	C	Å
CSC12CC150	03433	137.03	9343	N	1	3.50	C	Å
CSC12CM021	03481	144.38	9343	N	1	3.50	C	Å
CSC12CM273	95180	144.38	9343	N	1	3.50	C	Å
CSC12CPLR0	03337	141.23	9343	N	1	3.50	C	Å
CSC12CU011	03385	122.33	9343	N	1	3.50	C	Å
CSC12DC150	03434	124.69	9343	N	1	3.50	C	Å
CSC12DM021	03482	131.78	9343	N	1	3.50	C	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CSC12DM273	95181	131.78	9343	N	1	3.50	C	Å
CSC12DPLR0	03338	128.69	9343	N	1	3.50	C	Å
CSC12DU011	03386	109.99	9343	N	1	3.50	C	Å
CSC12E	95973	51.90	9343	N	1		C	Å
CSC12EC150	03435	124.69	9343	N	1	3.50	C	Å
CSC12EM021	03483	131.78	9343	N	1	3.50	C	Å
CSC12EM273	95182	131.78	9343	N	1	3.50	C	Å
CSC12EPLR0	03339	128.69	9343	N	1	3.50	C	Å
CSC12EU011	03387	109.99	9343	N	1	3.50	C	Å
CSC12F	95974	54.51	9343	N	1		C	Å
CSC12FC150	03436	137.03	9343	N	1	3.50	C	Å
CSC12FM021	03484	144.38	9343	N	1	3.50	C	Å
CSC12FM273	95183	144.38	9343	N	1	3.50	C	Å
CSC12FPLR0	03340	141.23	9343	N	1	3.50	C	Å
CSC12FU011	03388	122.33	9343	N	1	3.50	C	Å
CSC220PLR0M21	03533	210.00	9343	N	1	3.80	C	Å
CSC220PLR0U231	96525	206.00	9343	N	1	3.80	C	Å
CSC220U011U012	96400	168.00	9343	N	1	3.80	C	Å
CSC221PLR0M21	03534	210.00	9343	N	1	3.80	C	Å
CSC221PLR0U231	96526	206.00	9343	N	1	3.80	C	Å
CSC221U011U012	96401	168.00	9343	N	1	3.80	C	Å
CSC222PLR0M21	03535	226.00	9343	N	1	3.80	C	Å
CSC222PLR0U231	96527	222.00	9343	N	1	3.80	C	Å
CSC222U011U012	96402	186.00	9343	N	1	3.80	C	Å
CSC223PLR0M21	03536	210.00	9343	N	1	3.80	C	Å
CSC223PLR0U231	96528	206.00	9343	N	1	3.80	C	Å
CSC223U011U012	96403	168.00	9343	N	1	3.80	C	Å
CSC224	95975	64.23	9343	N	1		C	Å
CSC224PLR0M21	03537	210.00	9343	N	1	3.80	C	Å
CSC224PLR0U231	96529	206.00	9343	N	1	3.80	C	Å
CSC224U011U012	96404	168.00	9343	N	1	3.80	C	Å
CSC225	95976	66.19	9343	N	1		C	Å
CSC225PLR0M21	03538	226.00	9343	N	1	3.80	C	Å
CSC225PLR0U231	96530	222.00	9343	N	1	3.80	C	Å
CSC225U011U012	96405	186.00	9343	N	1	3.80	C	Å
CSC226PLR0M21	03539	210.00	9343	N	1	3.80	C	Å
CSC226PLR0U231	96531	206.00	9343	N	1	3.80	C	Å
CSC226U011U012	96406	168.00	9343	N	1	3.80	C	Å
CSC227PLR0M21	03540	210.00	9343	N	1	3.80	C	Å
CSC227PLR0U231	96532	206.00	9343	N	1	3.80	C	Å
CSC227U011U012	96407	168.00	9343	N	1	3.80	C	Å
CSC228PLR0M21	03541	226.00	9343	N	1	3.80	C	Å
CSC228PLR0U231	96533	222.00	9343	N	1	3.80	C	Å
CSC228U011U012	96408	186.00	9343	N	1	3.80	C	Å
CSC22APLR0M21	03527	294.23	9343	N	1	3.80	C	Å
CSC22APLR0U231	96445	288.93	9343	N	1	3.80	C	Å
CSC22AU011U012	96394	163.28	9343	N	1	3.80	C	Å
CSC22BPLR0M21	03528	294.23	9343	N	1	3.80	C	Å
CSC22BPLR0U231	96446	288.93	9343	N	1	3.80	C	Å
CSC22BU011U012	96395	163.28	9343	N	1	3.80	C	Å
CSC22CPLR0M21	03529	215.70	9343	N	1	3.80	C	Å
CSC22CPLR0U231	96447	211.58	9343	N	1	3.80	C	Å
CSC22CU011U012	96396	174.83	9343	N	1	3.80	C	Å
CSC22DPLR0M21	03530	294.23	9343	N	1	3.80	C	Å
CSC22DPLR0U231	96448	288.93	9343	N	1	3.80	C	Å
CSC22DU011U012	96397	163.28	9343	N	1	3.80	C	Å
CSC22E	95977	55.81	9343	N	1		C	Å
CSC22EPLR0M21	03531	294.23	9343	N	1	3.80	C	Å
CSC22EPLR0U231	96449	288.93	9343	N	1	3.80	C	Å
CSC22EU011U012	96398	163.28	9343	N	1	3.80	C	Å
CSC22F	95978	58.42	9343	N	1		C	Å
CSC22FPLR0M21	03532	215.70	9343	N	1	3.80	C	Å
CSC22FPLR0U231	96524	211.58	9343	N	1	3.80	C	Å
CSC22FU011U012	96399	174.83	9343	N	1	3.80	C	Å
CSC31PLR0U011U012	95164	256.20	9343	N	1	4.00	C	Å

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CSC332PLR0U011U012	95163	274.95	9343	N	1	4.00	C	A
CSC333PLR0U011U012	95162	256.20	9343	N	1	4.00	C	A
CSC334	95979	84.18	9343	N	1		C	A
CSC334PLR0U011U012	95161	256.20	9343	N	1	4.00	C	A
CSC335	95980	185.53	9343	N	1		C	A
CSC335PLR0U011U012	95160	274.95	9343	N	1	4.00	C	A
CSC336PLR0U011U012	95169	256.20	9343	N	1	4.00	C	A
CSC337PLR0U011U012	95168	256.20	9343	N	1	4.00	C	A
CSC338PLR0U011U012	95167	274.95	9343	N	1	4.00	C	A
CSC33APLR0U011U012	95151	250.43	9343	N	1	4.00	C	A
CSC338PLR0U011U012	95156	250.43	9343	N	1	4.00	C	A
CSC33CPLR0U011U012	95155	263.83	9343	N	1	4.00	C	A
CSC33DPLR0U011U012	95154	250.43	9343	N	1	4.00	C	A
CSC33E	95981	76.87	9343	N	1		C	A
CSC33EPLR0U011U012	95159	250.43	9343	N	1	4.00	C	A
CSC33F	95982	88.69	9343	N	1		C	A
CSC33FPLR0U011U012	95947	263.83	9343	N	1	4.00	C	A
CSC33DPLR0U011U012	95157	256.20	9343	N	1	4.00	C	A
CSC424	95983	82.98	9343	N	1		C	A
CSC425	95984	104.81	9343	N	1		C	A
CSC42E	95985	74.58	9343	N	1		C	A
CSC42F	95986	87.17	9343	N	1		C	A
CSC544	95987	89.28	9343	N	1		C	A
CSC545	95988	110.31	9343	N	1		C	A
CSC54E	95989	80.86	9343	N	1		C	A
CSC54F	95990	93.47	9343	N	1		C	A
CSC645	95991	108.62	9343	N	1		C	A
CSC64F	95992	91.78	9343	N	1		C	A
CSC844	95993	87.58	9343	N	1		C	A
CSC84E	95994	79.17	9343	N	1		C	A
CSC-B024		51.27	9343	N	1		C	A
CSC-B025		71.66	9343	N	1		C	A
CSC-B02E		42.82	9343	N	1		C	A
CSC-B02F		55.43	9343	N	1		C	A
CSC-B034		65.43	9343	N	1		C	A
CSC-B035		86.46	9343	N	1		C	A
CSC-B03E		57.53	9343	N	1		C	A
CSC-B03F		69.92	9343	N	1		C	A
CSC-B044		64.40	9343	N	1		C	A
CSC-B045		85.43	9343	N	1		C	A
CSC-B04E		55.90	9343	N	1		C	A
CSC-B04F		68.59	9343	N	1		C	A
CSC-B124		48.53	9343	N	1		C	A
CSC-B125		69.56	9343	N	1		C	A
CSC-B12E		40.63	9343	N	1		C	A
CSC-B12F		52.72	9343	N	1		C	A
CSC-C12		11.79	9343	N	1		C	A
CSC-C20		12.99	9343	N	1		C	A
CSC-C30		19.07	9343	N	1		C	A
CSC-C50		21.63	9343	N	1		C	A
CSC-C60		19.99	9343	N	1		C	A
CSF120C150	03453	138.20	9345	N	1	1.50	C	A
CSF120N021	03501	137.55	9345	N	1	1.50	C	A
CSF120N273	95200	137.55	9345	N	1	1.50	C	A
CSF120PLR0	03357	134.40	9345	N	1	1.50	C	A
CSF120U011	03405	115.50	9345	N	1	1.50	C	A
CSF121C150	03454	138.20	9345	N	1	1.50	C	A
CSF121N021	03502	137.55	9345	N	1	1.50	C	A
CSF121N273	95201	137.55	9345	N	1	1.50	C	A
CSF121PLR0	03358	134.40	9345	N	1	1.50	C	A
CSF121U011	03406	115.50	9345	N	1	1.50	C	A
CSF122C150	03455	148.05	9345	N	1	1.50	C	A
CSF122N021	03503	155.40	9345	N	1	1.50	C	A
CSF122N273	95202	155.40	9345	N	1	1.50	C	A
CSF122PLR0	03359	152.25	9345	N	1	1.50	C	A

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CSF122U011	03407	133.35	9345	N	1	1.50	C	A
CSF123C150	03456	138.20	9345	N	1	1.50	C	A
CSF123N021	03504	137.55	9345	N	1	1.50	C	A
CSF123N273	95203	137.55	9345	N	1	1.50	C	A
CSF123PLR0	03360	134.40	9345	N	1	1.50	C	A
CSF123U011	03408	115.50	9345	N	1	1.50	C	A
CSF124		88.78	9345	N	1		C	A
CSF124C150	03457	138.20	9345	N	1	1.50	C	A
CSF124N021	03505	137.55	9345	N	1	1.50	C	A
CSF124N273	95204	137.55	9345	N	1	1.50	C	A
CSF124PLR0	03361	134.40	9345	N	1	1.50	C	A
CSF124U011	03409	115.50	9345	N	1	1.50	C	A
CSF125		100.28	9345	N	1		C	A
CSF125C150	03458	148.05	9345	N	1	1.50	C	A
CSF125N021	03506	155.40	9345	N	1	1.50	C	A
CSF125N273	95205	155.40	9345	N	1	1.50	C	A
CSF125PLR0	03362	152.25	9345	N	1	1.50	C	A
CSF125U011	03410	130.38	9345	N	1	1.50	C	A
CSF126C150	03459	138.20	9345	N	1	1.50	C	A
CSF126N021	03507	137.55	9345	N	1	1.50	C	A
CSF126N273	95206	137.55	9345	N	1	1.50	C	A
CSF126PLR0	03363	134.40	9345	N	1	1.50	C	A
CSF126U011	03411	115.50	9345	N	1	1.50	C	A
CSF127C150	03460	138.20	9345	N	1	1.50	C	A
CSF127N021	03508	137.55	9345	N	1	1.50	C	A
CSF127N273	95207	137.55	9345	N	1	1.50	C	A
CSF127PLR0	03364	134.40	9345	N	1	1.50	C	A
CSF127U011	03412	115.50	9345	N	1	1.50	C	A
CSF128C150	03461	148.05	9345	N	1	1.50	C	A
CSF128N021	03509	155.40	9345	N	1	1.50	C	A
CSF128N273	95208	155.40	9345	N	1	1.50	C	A
CSF128PLR0	03365	152.25	9345	N	1	1.50	C	A
CSF128U011	03413	130.38	9345	N	1	1.50	C	A
CSF129C150	03447	134.60	9345	N	1	1.50	C	A
CSF129N021	03495	131.78	9345	N	1	1.50	C	A
CSF129N273	95194	131.78	9345	N	1	1.50	C	A
CSF129PLR0	03351	128.99	9345	N	1	1.50	C	A
CSF129U011	03399	109.58	9345	N	1	1.50	C	A
CSF12AC150	03448	134.60	9345	N	1	1.50	C	A
CSF12AN021	03496	131.78	9345	N	1	1.50	C	A
CSF12AN273	95195	131.78	9345	N	1	1.50	C	A
CSF12APLR0	03352	128.99	9345	N	1	1.50	C	A
CSF12AU011	03400	109.58	9345	N	1	1.50	C	A
CSF12CC150	03449	137.65	9345	N	1	1.50	C	A
CSF12CN021	03497	144.38	9345	N	1	1.50	C	A
CSF12CN273	95196	144.38	9345	N	1	1.50	C	A
CSF12CPLR0	03353	141.23	9345	N	1	1.50	C	A
CSF12CU011	03401	122.33	9345	N	1	1.50	C	A
CSF12EC150	03450	134.60	9345	N	1	1.50	C	A
CSF12EN021	03498	131.78	9345	N	1	1.50	C	A
CSF12EN273	95197	131.78	9345	N	1	1.50	C	A
CSF12EPLR0	03354	128.99	9345	N	1	1.50	C	A
CSF12EU011	03402	109.58	9345	N	1	1.50	C	A
CSF12F		51.38	9345	N	1		C	A
CSF12FC150	03451	134.60	9345	N	1	1.50	C	A
CSF12FN021	03499	131.78	9345	N	1	1.50	C	A
CSF12FN273	95198	131.78	9345	N	1	1.50	C	A
CSF12FPLR0	03355	128.99	9345	N	1	1.50	C	A
CSF12FU011	03403	109.58	9345	N	1	1.50	C	A
CSF12F		64.81	9345	N	1		C	A
CSF12FC150	03452	137.65	9345	N	1	1.50	C	A
CSF12FN021	03500	144.38	9345	N	1	1.50	C	A
CSF12FN273	95199	144.38	9345	N	1	1.50	C	A
CSF12FPLR0	03356	141.23	9345	N	1	1.50	C	A
CSF12FU011	03404	122.33	9345	N	1	1.50	C	A

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CSF220PLR0W021	95152	210.00	9345	N	1	1.80	C	Å
CSF220PLR0U231	96541	205.00	9345	N	1	1.80	C	Å
CSF220U011U012	96416	169.05	9345	N	1	1.80	C	Å
CSF221PLR0W021	95153	210.00	9345	N	1	1.80	C	Å
CSF221PLR0U231	96542	205.00	9345	N	1	1.80	C	Å
CSF221U011U012	96420	169.05	9345	N	1	1.80	C	Å
CSF222PLR0W021	95916	226.00	9345	N	1	1.80	C	Å
CSF222PLR0U231	96543	222.00	9345	N	1	1.80	C	Å
CSF222U011U012	96421	185.05	9345	N	1	1.80	C	Å
CSF223PLR0W021	95917	216.00	9345	N	1	1.80	C	Å
CSF223PLR0U231	96544	205.00	9345	N	1	1.80	C	Å
CSF223U011U012	96422	169.05	9345	N	1	1.80	C	Å
CSF224		73.00	9345	N	1		C	Å
CSF224PLR0W021	95918	216.00	9345	N	1	1.80	C	Å
CSF224PLR0U231	96545	205.00	9345	N	1	1.80	C	Å
CSF224U011U012	96423	169.05	9345	N	1	1.80	C	Å
CSF225		104.10	9345	N	1		C	Å
CSF225PLR0W021	95919	226.00	9345	N	1	1.80	C	Å
CSF225PLR0U231	96546	222.00	9345	N	1	1.80	C	Å
CSF225U011U012	96424	185.05	9345	N	1	1.80	C	Å
CSF226PLR0W021	95158	210.00	9345	N	1	1.80	C	Å
CSF226PLR0U231	96547	205.00	9345	N	1	1.80	C	Å
CSF226U011U012	96425	169.05	9345	N	1	1.80	C	Å
CSF227PLR0W021	95921	210.00	9345	N	1	1.80	C	Å
CSF227PLR0U231	96548	205.00	9345	N	1	1.80	C	Å
CSF227U011U012	96426	169.05	9345	N	1	1.80	C	Å
CSF228PLR0W021	95922	226.00	9345	N	1	1.80	C	Å
CSF228PLR0U231	96549	222.00	9345	N	1	1.80	C	Å
CSF228U011U012	96427	185.05	9345	N	1	1.80	C	Å
CSF22APLR0W021	03543	204.23	9345	N	1	1.80	C	Å
CSF22APLR0U231	96535	200.03	9345	N	1	1.80	C	Å
CSF22AU011U012	96410	163.28	9345	N	1	1.80	C	Å
CSF22BPLR0W021	03544	204.23	9345	N	1	1.80	C	Å
CSF22BPLR0U231	96536	200.03	9345	N	1	1.80	C	Å
CSF22BU011U012	96411	163.28	9345	N	1	1.80	C	Å
CSF22CPLR0W021	03545	215.78	9345	N	1	1.80	C	Å
CSF22CPLR0U231	96537	211.58	9345	N	1	1.80	C	Å
CSF22CU011U012	96412	174.03	9345	N	1	1.80	C	Å
CSF22DPLR0W021	03546	204.23	9345	N	1	1.80	C	Å
CSF22DPLR0U231	96538	200.03	9345	N	1	1.80	C	Å
CSF22DU011U012	96413	163.28	9345	N	1	1.80	C	Å
CSF22E		55.81	9345	N	1		C	Å
CSF22EPLR0W021	95150	204.23	9345	N	1	1.80	C	Å
CSF22EPLR0U231	96539	200.03	9345	N	1	1.80	C	Å
CSF22EU011U012	96414	163.28	9345	N	1	1.80	C	Å
CSF22F		66.42	9345	N	1		C	Å
CSF22FPLR0W021	95914	215.78	9345	N	1	1.80	C	Å
CSF22FPLR0U231	96540	211.58	9345	N	1	1.80	C	Å
CSF22FU011U012	96415	174.03	9345	N	1	1.80	C	Å
CSF330PLR0U011U012	95175	256.20	9345	N	1	2.00	C	Å
CSF331PLR0U011U012	95174	256.20	9345	N	1	2.00	C	Å
CSF332PLR0U011U012	95173	274.05	9345	N	1	2.00	C	Å
CSF333PLR0U011U012	95941	256.20	9345	N	1	2.00	C	Å
CSF334		93.95	9345	N	1		C	Å
CSF334PLR0U011U012	95940	256.20	9345	N	1	2.00	C	Å
CSF335		124.45	9345	N	1		C	Å
CSF335PLR0U011U012	95939	274.05	9345	N	1	2.00	C	Å
CSF336PLR0U011U012	95942	256.20	9345	N	1	2.00	C	Å
CSF337PLR0U011U012	95944	256.20	9345	N	1	2.00	C	Å
CSF338PLR0U011U012	95943	274.05	9345	N	1	2.00	C	Å
CSF33APLR0U011U012	95165	297.68	9345	N	1	2.00	C	Å
CSF33BPLR0U011U012	95172	297.68	9345	N	1	2.00	C	Å
CSF33CPLR0U011U012	95171	263.03	9345	N	1	2.00	C	Å
CSF33DPLR0U011U012	95170	250.43	9345	N	1	2.00	C	Å
CSF33E		76.07	9345	N	1		C	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CSF33EPLR0U011U012	95177	256.43	9345	N	1	2.00	C	Å
CSF33F		88.68	9345	N	1		C	Å
CSF33FPLR0U011U012	95176	263.03	9345	N	1	2.00	C	Å
CSF424		92.44	9345	N	1		C	Å
CSF426		122.93	9345	N	1		C	Å
CSF42E		74.56	9345	N	1		C	Å
CSF42F		87.17	9345	N	1		C	Å
CSF444		98.74	9345	N	1		C	Å
CSF446		129.23	9345	N	1		C	Å
CSF44E		86.86	9345	N	1		C	Å
CSF44F		99.47	9345	N	1		C	Å
CSF454		97.86	9345	N	1		C	Å
CSF456		127.94	9345	N	1		C	Å
CSF45E		78.17	9345	N	1		C	Å
CSF45F		91.78	9345	N	1		C	Å
CSF734		116.00	9345	N	1		C	Å
CSF736		146.50	9345	N	1		C	Å
CSF73E		98.12	9345	N	1		C	Å
CSF73F		110.73	9345	N	1		C	Å
CSF744		119.10	9345	N	1		C	Å
CSF746		149.59	9345	N	1		C	Å
CSF74E		101.22	9345	N	1		C	Å
CSF74F		113.83	9345	N	1		C	Å
CSF754		126.79	9345	N	1		C	Å
CSF756		151.26	9345	N	1		C	Å
CSF75E		102.91	9345	N	1		C	Å
CSF75F		115.52	9345	N	1		C	Å
CSF-8024		54.41	9345	N	1		C	Å
CSF-8025		66.99	9345	N	1		C	Å
CSF-802E		38.62	9345	N	1		C	Å
CSF-802F		51.14	9348	N	1		C	Å
CSF-8034		66.62	9345	N	1		C	Å
CSF-8035		59.02	9345	N	1		C	Å
CSF-803E		50.04	9345	N	1		C	Å
CSF-803F		65.25	9348	N	1		C	Å
CSF-8044		67.66	9345	N	1		C	Å
CSF-8045		90.15	9345	N	1		C	Å
CSF-804E		49.78	9345	N	1		C	Å
CSF-804F		62.39	9348	N	1		C	Å
CSF-8124		54.62	9345	N	1		C	Å
CSF-8125		54.61	9345	N	1		C	Å
CSF-812E		36.14	9345	N	1		C	Å
CSF-812F		48.75	9348	N	1		C	Å
CSF-C11		12.65	9345	N	1		C	Å
CSF-C12		16.76	9345	N	1		C	Å
CSF-C28		17.28	9345	N	1		C	Å
CSF-C38		25.43	9345	N	1		C	Å
CSF-C48		24.78	9345	N	1		C	Å
CSF-C58		28.31	9345	N	1		C	Å
CSF-C68		25.63	9345	N	1		C	Å
CSF-C78		37.61	9345	N	1		C	Å
CSF-C88		39.33	9345	N	1		C	Å
CSF-C98		58.55	9345	N	1		C	Å
CSF-IDENT	98892	4.28	9345	N	1	0.07	C	Å
CSS120C168	03469	184.68	9348	N	1	3.50	C	Å
CSS120B021	03517	172.28	9348	N	1	3.50	C	Å
CSS120B273	95216	172.20	9348	N	1	3.50	C	Å
CSS120PLR0	03373	169.05	9348	N	1	3.50	C	Å
CSS120U011	03421	158.15	9348	N	1	3.50	C	Å
CSS121C168	03470	184.85	9348	N	1	3.50	C	Å
CSS121B021	03518	172.28	9348	N	1	3.50	C	Å
CSS121B273	95217	172.20	9348	N	1	3.50	C	Å
CSS121PLR0	03374	169.05	9348	N	1	3.50	C	Å
CSS121U011	03422	158.15	9348	N	1	3.50	C	Å
CSS122C168	03471	182.78	9348	N	1	3.50	C	Å

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CSS122NR21	03519	190.85	9348	N	1	3.50	C	Å
CSS122NR73	95218	190.85	9348	N	1	3.50	C	Å
CSS122PRL0	03375	186.90	9348	N	1	3.50	C	Å
CSS122U011	03423	168.00	9348	N	1	3.50	C	Å
CSS123C150	03472	164.85	9348	N	1	3.50	C	Å
CSS123NR21	03520	172.20	9348	N	1	3.50	C	Å
CSS123NR73	96387	172.20	9348	N	1	3.50	C	Å
CSS123PLR0	03376	169.05	9348	N	1	3.50	C	Å
CSS123U011	03424	150.15	9348	N	1	3.50	C	Å
CSS124		96.51	9348	N	1		C	Å
CSS124C150	03473	164.85	9348	N	1	3.50	C	Å
CSS124NR21	03521	172.20	9348	N	1	3.50	C	Å
CSS124NR73	96388	172.20	9348	N	1	3.50	C	Å
CSS124PLR0	03377	169.05	9348	N	1	3.50	C	Å
CSS124U011	03425	150.15	9348	N	1	3.50	C	Å
CSS125		117.54	9348	N	1		C	Å
CSS125C150	03474	182.70	9348	N	1	3.50	C	Å
CSS125NR21	03522	190.05	9348	N	1	3.50	C	Å
CSS125NR73	96389	190.05	9348	N	1	3.50	C	Å
CSS125PLR0	03378	186.90	9348	N	1	3.50	C	Å
CSS125U011	03426	168.00	9348	N	1	3.50	C	Å
CSS126C150	03475	164.85	9348	N	1	3.50	C	Å
CSS126NR21	03523	172.20	9348	N	1	3.50	C	Å
CSS126NR73	96390	172.20	9348	N	1	3.50	C	Å
CSS126PLR0	03379	169.05	9348	N	1	3.50	C	Å
CSS126U011	03427	150.15	9348	N	1	3.50	C	Å
CSS127C150	03476	164.85	9348	N	1	3.50	C	Å
CSS127NR21	03524	172.20	9348	N	1	3.50	C	Å
CSS127NR73	96391	172.20	9348	N	1	3.50	C	Å
CSS127PLR0	03380	169.05	9348	N	1	3.50	C	Å
CSS127U011	03428	150.15	9348	N	1	3.50	C	Å
CSS128C150	03477	182.70	9348	N	1	3.50	C	Å
CSS128NR21	03525	190.05	9348	N	1	3.50	C	Å
CSS128NR73	96392	190.05	9348	N	1	3.50	C	Å
CSS128PLR0	03381	186.90	9348	N	1	3.50	C	Å
CSS128U011	03429	168.00	9348	N	1	3.50	C	Å
CSS12AC150	03463	189.06	9348	N	1	3.50	C	Å
CSS12ANR21	03511	198.43	9348	N	1	3.50	C	Å
CSS12ANR73	95210	198.43	9348	N	1	3.50	C	Å
CSS12APLR0	03367	193.54	9348	N	1	3.50	C	Å
CSS12AU011	03415	144.84	9348	N	1	3.50	C	Å
CSS12BC150	03464	159.06	9348	N	1	3.50	C	Å
CSS12BNR21	03512	166.43	9348	N	1	3.50	C	Å
CSS12BNR73	95211	166.43	9348	N	1	3.50	C	Å
CSS12BPLR0	03368	163.54	9348	N	1	3.50	C	Å
CSS12BU011	03416	144.84	9348	N	1	3.50	C	Å
CSS12CC150	03465	171.06	9348	N	1	3.50	C	Å
CSS12CNR21	03513	179.63	9348	N	1	3.50	C	Å
CSS12CNR73	95212	179.63	9348	N	1	3.50	C	Å
CSS12CPLR0	03369	175.69	9348	N	1	3.50	C	Å
CSS12CU011	03417	156.90	9348	N	1	3.50	C	Å
CSS12DC150	03466	159.06	9348	N	1	3.50	C	Å
CSS12DNR21	03514	166.43	9348	N	1	3.50	C	Å
CSS12DNR73	95213	166.43	9348	N	1	3.50	C	Å
CSS12DPLR0	03370	163.54	9348	N	1	3.50	C	Å
CSS12DU011	03418	144.84	9348	N	1	3.50	C	Å
CSS12E		98.68	9348	N	1		C	Å
CSS12EC150	03467	159.06	9348	N	1	3.50	C	Å
CSS12ENR21	03515	166.43	9348	N	1	3.50	C	Å
CSS12ENR73	95214	166.43	9348	N	1	3.50	C	Å
CSS12EPLR0	03371	163.54	9348	N	1	3.50	C	Å
CSS12EU011	03419	144.84	9348	N	1	3.50	C	Å
CSS12F		100.70	9348	N	1		C	Å
CSS12FC150	03468	171.06	9348	N	1	3.50	C	Å
CSS12FNR21	03516	179.63	9348	N	1	3.50	C	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CSS12FNR73	95215	179.63	9348	N	1	3.50	C	Å
CSS12FPLR0	03372	175.69	9348	N	1	3.50	C	Å
CSS12FU011	03420	156.90	9348	N	1	3.50	C	Å
CSS220PLR0NR21	95929	255.15	9348	N	1	3.80	C	Å
CSS220PLR0U231	98609	250.95	9348	N	1	3.80	C	Å
CSS220U011U012	96435	214.20	9348	N	1	3.80	C	Å
CSS221PLR0NR21	95930	255.15	9348	N	1	3.80	C	Å
CSS221PLR0U231	98610	250.95	9348	N	1	3.80	C	Å
CSS221U011U012	96436	214.20	9348	N	1	3.80	C	Å
CSS222PLR0NR21	95931	273.00	9348	N	1	3.80	C	Å
CSS222PLR0U231	98611	268.80	9348	N	1	3.80	C	Å
CSS222U011U012	96437	232.05	9348	N	1	3.80	C	Å
CSS223PLR0NR21	95932	255.15	9348	N	1	3.80	C	Å
CSS223PLR0U231	98612	250.95	9348	N	1	3.80	C	Å
CSS223U011U012	96438	214.20	9348	N	1	3.80	C	Å
CSS224		101.58	9348	N	1		C	Å
CSS224PLR0NR21	95933	255.15	9348	N	1	3.80	C	Å
CSS224PLR0U231	98613	250.95	9348	N	1	3.80	C	Å
CSS224U011U012	96439	214.20	9348	N	1	3.80	C	Å
CSS225		122.98	9348	N	1		C	Å
CSS225PLR0NR21	95934	273.00	9348	N	1	3.80	C	Å
CSS225PLR0U231	98614	268.80	9348	N	1	3.80	C	Å
CSS225U011U012	96440	232.05	9348	N	1	3.80	C	Å
CSS226PLR0NR21	95935	255.15	9348	N	1	3.80	C	Å
CSS226PLR0U231	98615	250.95	9348	N	1	3.80	C	Å
CSS226U011U012	96441	214.20	9348	N	1	3.80	C	Å
CSS227PLR0NR21	95936	255.15	9348	N	1	3.80	C	Å
CSS227PLR0U231	95913	250.95	9348	N	1	3.80	C	Å
CSS227U011U012	96442	214.20	9348	N	1	3.80	C	Å
CSS228PLR0NR21	95937	273.00	9348	N	1	3.80	C	Å
CSS228PLR0U231	95915	268.80	9348	N	1	3.80	C	Å
CSS228U011U012	96443	232.05	9348	N	1	3.80	C	Å
CSS22APLR0NR21	95924	240.38	9348	N	1	3.80	C	Å
CSS22APLR0U231	96551	245.18	9348	N	1	3.80	C	Å
CSS22AU011U012	96429	208.43	9348	N	1	3.80	C	Å
CSS22BPLR0NR21	95925	240.38	9348	N	1	3.80	C	Å
CSS22BPLR0U231	96552	245.18	9348	N	1	3.80	C	Å
CSS22BU011U012	96430	208.43	9348	N	1	3.80	C	Å
CSS22CPLR0NR21	95926	261.80	9348	N	1	3.80	C	Å
CSS22CPLR0U231	96553	257.70	9348	N	1	3.80	C	Å
CSS22CU011U012	96431	221.93	9348	N	1	3.80	C	Å
CSS22DPLR0NR21	95927	240.38	9348	N	1	3.80	C	Å
CSS22DPLR0U231	98606	245.18	9348	N	1	3.80	C	Å
CSS22DU011U012	96432	208.43	9348	N	1	3.80	C	Å
CSS22E		93.18	9348	N	1		C	Å
CSS22EPLR0NR21	95166	240.38	9348	N	1	3.80	C	Å
CSS22EPLR0U231	98607	245.18	9348	N	1	3.80	C	Å
CSS22EU011U012	96433	208.43	9348	N	1	3.80	C	Å
CSS22F		105.78	9348	N	1		C	Å
CSS22FPLR0NR21	95928	261.80	9348	N	1	3.80	C	Å
CSS22FPLR0U231	98608	257.70	9348	N	1	3.80	C	Å
CSS22FU011U012	96434	221.93	9348	N	1	3.80	C	Å
CSS330PLR0U011U012	95949	311.85	9348	N	1	4.00	C	Å
CSS331PLR0U011U012	95193	311.85	9348	N	1	4.00	C	Å
CSS332PLR0U011U012	95951	328.65	9348	N	1	4.00	C	Å
CSS333PLR0U011U012	95952	311.85	9348	N	1	4.00	C	Å
CSS334		118.14	9348	N	1		C	Å
CSS334PLR0U011U012	95953	311.85	9348	N	1	4.00	C	Å
CSS335		128.17	9348	N	1		C	Å
CSS335PLR0U011U012	95955	328.65	9348	N	1	4.00	C	Å
CSS336PLR0U011U012	95954	311.85	9348	N	1	4.00	C	Å
CSS337PLR0U011U012	95956	311.85	9348	N	1	4.00	C	Å
CSS338PLR0U011U012	95957	328.65	9348	N	1	4.00	C	Å
CSS33APLR0U011U012	95945	306.60	9348	N	1	4.00	C	Å
CSS33BPLR0U011U012	95920	306.60	9348	N	1	4.00	C	Å

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
CS833CPLR0U011U012	95946	317.03	9348	N	1	4.00	C	Å
CS833DPLR0U011U012	95188	306.08	9348	N	1	4.00	C	Å
CS833E		109.71	9348	N	1		C	Å
CS833EPLR0U011U012	95187	306.08	9348	N	1	4.00	C	Å
CS833F		122.33	9348	N	1		C	Å
CS833FPLR0U011U012	95950	317.03	9348	N	1	4.00	C	Å
CS5424		111.82	9348	N	1		C	Å
CS5425		132.05	9348	N	1		C	Å
CS542E		102.69	9348	N	1		C	Å
CS542F		115.21	9348	N	1		C	Å
CS5544		126.88	9348	N	1		C	Å
CS5545		141.99	9348	N	1		C	Å
CS554E		112.54	9348	N	1		C	Å
CS554F		125.15	9348	N	1		C	Å
CS5644		119.11	9348	N	1		C	Å
CS5645		140.14	9348	N	1		C	Å
CS564E		110.65	9348	N	1		C	Å
CS564F		123.30	9348	N	1		C	Å
CS5-5824		77.37	9348	N	1		C	Å
CS5-5825		86.41	9348	N	1		C	Å
CS5-582E		68.06	9348	N	1		C	Å
CS5-582F		81.48	9348	N	1		C	Å
CS5-5844		86.96	9348	N	1		C	Å
CS5-5845		109.69	9348	N	1		C	Å
CS5-584E		80.54	9348	N	1		C	Å
CS5-584F		93.15	9348	N	1		C	Å
CS5-5864		84.01	9348	N	1		C	Å
CS5-5865		105.04	9348	N	1		C	Å
CS5-586E		75.58	9348	N	1		C	Å
CS5-586F		88.25	9348	N	1		C	Å
CS5-C124		73.85	9348	N	1		C	Å
CS5-C125		84.88	9348	N	1		C	Å
CS5-C12E		65.43	9348	N	1		C	Å
CS5-C12F		76.94	9348	N	1		C	Å
CS5-C12		22.68	9348	N	1		C	Å
CS5-C20		24.16	9348	N	1		C	Å
CS5-C30		29.16	9348	N	1		C	Å
CS5-C40		16.90	9348	N	1		C	Å
CS5-C50		31.25	9348	N	1		C	Å
CS5-C60		29.46	9348	N	1		C	Å
CUP-0	09010	17.01	16160	C	2	1.05	F	
CUP-1	09001	1.23	16160	A	100/500	0.03	F	
CUP-2	09002	1.38	16160	A	100/500	0.04	F	
CUP-250	09012	1.24	16160	B	1	1.00	F	
CUP-3	09003	1.87	16160	A	50/250	0.07	F	
CUP-375	09011	1.28	16160	B	25	0.04	F	
CUP-4	09004	2.18	16160	A	20	0.15	F	
CUP-5	09005	2.61	16160	A	25/125	0.20	F	
CUP-6	09006	4.70	16160	A	20/100	0.31	F	
CUP-7	09007	7.22	16160	B	10/50	0.56	F	
CUP-8	09008	10.33	16160	B	2/10	0.95	F	
CUP-9	09009	13.22	16160	C	2/10	1.05	F	
CUPX-1	09059	1.42	16160	C	100/500	0.03	F	
CUPX-2	09063	2.12	16160	C	100/500	0.05	F	
CUPX-250	09060	1.39	16160	B	100/500	0.02	F	
CUPX-3	09064	2.98	16160	B	50	0.08	F	
CUPX-4	09065	3.28	16160	C	20	0.17	F	
CUPX-5	09066	3.75	16160	B	25/125	0.21	F	
CUPX-6	09067	5.38	16160	B	20/100	0.34	F	
CW-64C28	09100	628.15	11264	N	1	8.40	PR	
CW-64C26	09101	628.15	11264	N	1	8.40	PR	
CW-64C24	09102	628.15	11264	N	1	8.40	PR	
CW-65C28	09103	664.97	11264	N	1	8.40	PR	
CW-65C26	09104	664.97	11264	N	1	8.40	PR	
CW-65C24	09105	664.97	11264	N	1	8.40	PR	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
DCG-20 (USE VCG-500)								
DAG-100	10000	24.25	5117	N	10	0.54	L	
DAG-200	10003	26.64	5117	N	5	0.56	L	
DB-6126	10016	327.00	1358	N	1	10.90	E	
DB-664	10006	127.36	1358	N	1	2.90	E	
DB-884	10009	213.13	1358	N	1	11.70	E	
DB-886	10012	246.88	1358	N	1	12.70	E	
DB-8106	10018	326.03	1358	N	1	14.20	E	
DB-8146	10024	374.24	1358	N	1	16.70	E	
DB-8166	10031	676.16	1358	N	1	26.30	E	
DB-10106	10054	363.35	1358	N	1	16.00	E	
DB-10146	10064	642.77	1358	N	1	25.30	E	
DB-12143	10070	736.82	1358	N	1	28.20	E	
DB-12166	10073	763.37	1358	N	1	30.00	E	
DB-12186	10076	836.87	1358	N	1	30.70	E	
DB-12248	10077	1328.88	1358	N	1	44.00	E	
DB-18186	10093	1156.85	1358	N	1	43.60	E	
DB-18248	10089	1518.85	1358	N	1	52.90	E	
DB-18368	10097	2118.81	1358	N	1	75.50	E	
DB-20248	10101	1618.85	1358	N	1	58.90	E	
DB-203618	11125	2220.88	1358	N	1	83.50	E	
DB-243618	11127	2668.84	1358	N	1	119.10	E	
DB-243636	11130	3128.77	1358	N	1	144.00	E	
DBF4812	10115	445.80	5643	N	1	38.00	L	
DBF4813	10116	501.36	5643	N	1	44.00	L	
DBF4842	10117	442.69	5643	N	1	38.00	L	
DBF4843	10118	501.30	5643	N	1	44.00	L	
DBF6012	10119	499.87	5643	N	1	60.00	L	
DBF6013	10120	562.18	5643	N	1	60.00	L	
DBF6042	10121	494.67	5643	N	1	60.00	L	
DBF6043	10122	562.18	5643	N	1		L	
DCGE-10	10149	16.36	5117	N	1/24	2.00	L	
DCGE-20	10152	18.55	5117	N	1/24	2.50	L	
DCGP-20	10158	49.31	5117	N	1/12	2.50	L	
DEDS-100	11646	784.22	7570	N	1	24.50	DE	
DEDS-100A	11647	868.10	7570	N	1	24.50	DE	
DEDS-100AA	11650	940.54	7570	N	1		DE	
DEDS-30	11642	564.98	7570	N	1	17.50	DE	
DEDS-30A	11643	666.91	7570	N	1	17.50	DE	
DEDS-30AA	11648	708.87	7570	N	1		DE	
DEDS-60	11644	628.20	7570	N	1	24.50	DE	
DEDS-60A	11645	755.04	7570	N	1	24.50	DE	
DEDS-60AA	11649	846.89	7570	N	1		DE	
DEDS-A	11640	388.62	7570	N	1	14.50	DE	
DEDS-S	11641	422.77	7570	N	1	19.50	DE	
DISF1256080	95616	1964.49	7556	N	1	26.70	DE	Å
DISF1256087	95611	2065.75	7556	N	1	29.68	DE	Å
DISF1257087	95610	2065.10	7556	N	1	29.68	DE	Å
DISF160808	95612	591.96	7556	N	1	5.50	DE	Å
DISF160862	95603	423.36	7556	N	1	5.89	DE	Å
DISF160762	95602	423.36	7556	N	1	5.89	DE	Å
DISF320808	95614	635.96	7556	N	1	7.34	DE	Å
DISF320862	95607	868.35	7556	N	1	8.14	DE	Å
DISF320762	95606	868.36	7556	N	1	8.14	DE	Å
DISF630862	95615	961.82	7556	N	1	12.25	DE	Å
DISF630808	95609	925.12	7556	N	1	14.31	DE	Å
DISF630762	95608	925.12	7556	N	1	14.31	DE	Å
DMSP181	09601	1006.72	5936	N	1	30.00	L	
DO-105-XE	10358	30.28	5116	N	10		L	
DO-1-A	10352	17.83	5116	N	10	0.50	L	
DO-63	10357	17.83	5116	N	10		L	
DO-5-AP	10353	17.83	5116	N	10		L	
DO-5-LP	10354	17.83	5116	N	10	0.50	L	
DO-5-RP	10355	17.83	5116	N	10	0.50	L	
DO-6-TAP	10356	17.83	5116	N	10	0.50	L	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
DGN-1	10351	30.57	5116	N	10	0.50	L	
DS-1	10313	5.84	15591	A	5/25	1.06	F	
DS-5	10316	21.71	15591	B	5	5.00	F	
DVA-118	10319	45.05	5117	N	1	2.30	L	
DVA-128	10322	58.97	5117	N	1	4.00	L	
DVA-218	10328	46.42	5117	N	1	2.30	L	
DVA-228	10330	59.13	5117	N	1	4.00	L	
DVX-118	10336	46.58	5117	N	1	2.60	L	
DVX-128	10339	59.34	5117	N	1	4.30	L	
DVX-218	10345	46.86	5117	N	1	2.60	L	
DVX-228	10348	59.77	5117	N	1	4.30	L	
E17	01190	4.27	15211	A	10	1.00	F	Å
E27	01191	4.74	15211	A	5	2.50	F	Å
E37	01192	7.42	15211	A	5	8.00	F	Å
EAC	10399	38.82	5131	N	1	1.50	L	
EAC812	11690	33.82	5371	N	1		L	Å
EAC818	11691	33.82	5371	N	1	2.00	L	Å
EB-2-250	11740	663.91	5151	N	1	13.80	L	
EB032010A2	10370	1192.88	5388	N	1	49.00	L	
EB032010A3	10371	1192.88	5388	N	1	49.00	L	
EB032010B2	10372	1252.13	5388	N	1	53.00	L	
EB032010B3	10373	1215.48	5388	N	1	50.00	L	
EB6-BC	10376	62.89	5388	N	1		L	
EB6-L12	10374	48.23	5388	N	1		L	
EB6-PL	10377	12.82	5388	N	1		L	
EB6-SB	10375	97.28	5388	N	1		L	
EBF131	14337	194.69	5131	N	1	10.50	L	
EBF131A2	14500	234.69	5663	N	‡	12.50	L	
EBF131A2B	14292	246.53	5663	N	‡	13.00	L	
EBF131A3	14501	234.69	5663	N	‡	12.50	L	
EBF131A3B	14293	246.53	5663	N	‡	13.00	L	
EBF131B2	14502	307.09	5663	N	‡	15.50	L	
EBF131B2B	14308	318.48	5663	N	‡	16.00	L	
EBF131B3	14503	307.09	5663	N	‡	15.50	L	
EBF131B3B	14309	318.48	5663	N	‡	16.00	L	
EBF131B4	14504	284.66	5663	N	‡	14.50	L	
EBF131B4B	14316	296.05	5663	N	‡	15.00	L	
EBF131C4	14505	284.66	5663	N	‡	14.50	L	
EBF131D4B	14317	296.05	5663	N	‡	15.00	L	
EBF131J2	14506	288.75	5663	N	‡	14.60	L	
EBF131J2B	14300	274.66	5663	N	‡	15.10	L	
EBF131J3	14507	288.75	5663	N	‡	14.60	L	
EBF131J3B	14301	274.66	5663	N	‡	15.10	L	
EBF134	14329	194.69	5131	N	1	10.50	L	
EBF134A2	14508	234.69	5663	N	‡	12.50	L	
EBF134A2B	14294	246.53	5663	N	‡	13.00	L	
EBF134A3	14509	234.69	5663	N	‡	12.50	L	
EBF134A3B	14295	246.53	5663	N	‡	13.00	L	
EBF134B2	14510	307.09	5663	N	‡	15.50	L	
EBF134B2B	14310	318.48	5663	N	‡	16.00	L	
EBF134B3	14511	307.09	5663	N	‡	15.50	L	
EBF134B3B	14311	318.48	5663	N	‡	16.00	L	
EBF134C4	14512	284.66	5663	N	‡	14.50	L	
EBF134D4B	14318	296.05	5663	N	‡	15.00	L	
EBF134D5	14513	284.66	5663	N	‡	14.50	L	
EBF134D6B	14319	296.05	5663	N	‡	15.00	L	
EBF134J2	14514	288.75	5663	N	‡	14.60	L	
EBF134J2B	14302	274.66	5663	N	‡	15.10	L	
EBF134J3	14515	288.75	5663	N	‡	14.60	L	
EBF134J3B	14303	274.66	5663	N	‡	15.10	L	
EBF261	14330	194.69	5131	N	1	11.00	L	
EBF261A2	14516	234.69	5663	N	‡	13.00	L	
EBF261A2B	14296	246.53	5663	N	‡	13.50	L	
EBF261A3	14517	234.69	5663	N	‡	13.00	L	
EBF261A3B	14297	246.53	5663	N	‡	13.50	L	
EBF261B2	14518	307.09	5663	N	‡	16.00	L	
EBF261B2B	14312	318.48	5663	N	‡	16.50	L	
EBF261B3	14519	307.09	5663	N	‡	16.00	L	
EBF261B3B	14313	318.48	5663	N	‡	16.50	L	
EBF261D4	14520	284.66	5663	N	‡	15.00	L	
EBF261D4B	14320	296.50	5663	N	‡	15.50	L	
EBF261D5	14521	284.66	5663	N	‡	15.00	L	
EBF261D5B	14321	296.50	5663	N	‡	15.50	L	
EBF261J2	14522	288.75	5663	N	‡	15.00	L	
EBF261J2B	14304	274.66	5663	N	‡	15.50	L	
EBF261J3	14523	288.75	5663	N	‡	15.00	L	
EBF261J3B	14305	274.66	5663	N	‡	15.50	L	
EBF264	14331	194.69	5131	N	1	11.00	L	
EBF264A2	14524	234.69	5663	N	‡	13.00	L	
EBF264A2B	14298	246.53	5663	N	‡	13.50	L	
EBF264A3	14525	234.69	5663	N	‡	13.00	L	
EBF264A3B	14299	246.53	5663	N	‡	13.50	L	
EBF264B2	14526	307.09	5663	N	‡	16.00	L	
EBF264B2B	14314	318.48	5663	N	‡	16.50	L	
EBF264B3	14527	307.09	5663	N	‡	16.00	L	
EBF264B3B	14315	318.48	5663	N	‡	16.50	L	
EBF264C4	14528	284.66	5663	N	‡	15.00	L	
EBF264D4B	14322	296.05	5663	N	‡	15.50	L	
EBF264D5	14529	284.66	5663	N	‡	15.00	L	
EBF264D5B	14323	296.05	5663	N	‡	15.50	L	
EBF264J2	14530	288.75	5663	N	‡	15.00	L	
EBF264J2B	14306	274.66	5663	N	‡	15.50	L	
EBF264J3	14531	288.75	5663	N	‡	15.00	L	
EBF264J3B	14307	274.66	5663	N	‡	15.50	L	
EBS-S-250	11746	663.91	5151	N	1	14.50	L	
EBS6	14254	38.82	5663	N	1		L	
ECF-110	10500	70.89	16311	B	1	2.00	F	
ECF-112	10502	81.48	16311	A	1	2.00	F	
ECF-115	10503	90.04	16311	A	1	2.50	F	
ECF-118	10506	100.64	16311	A	1	2.50	F	
ECF-125	10509	108.66	16311	B	1	3.00	F	
ECF-134	10510	117.25	16311	A	1	3.00	F	
ECF-138	10512	126.46	16311	B	1	3.50	F	
ECF-150	10514	144.88	16311	B	1	4.00	F	
ECF-14	10400	66.36	16311	B	1	1.50	F	
ECF-16	10405	84.66	16311	B	1	1.50	F	
ECF-18	10410	90.78	16311	B	1	2.00	F	
ECF-210	10516	108.58	16311	B	1	2.50	F	
ECF-212	10515	108.58	16311	A	1	3.00	F	
ECF-218	10520	122.67	16311	B	1	3.20	F	
ECF-219	10521	126.69	16311	A	1	3.50	F	
ECF-221	10522	140.64	16311	B	1	4.00	F	
ECF-224	10523	162.69	16311	B	1	4.50	F	
ECF-240	10526	180.67	16311	C	1	5.00	F	
ECF-250	10528	216.80	16311	B	1	6.00	F	
ECF-34	10415	70.89	16311	B	1	2.50	F	
ECF-36	10420	82.98	16311	B	1	2.50	F	
ECF-38	10425	91.09	16311	A	1	3.00	F	
ECF-310	10529	122.68	16311	B	1	3.50	F	
ECF-312	10530	135.06	16311	B	1	4.00	F	
ECF-318	10531	205.13	16311	C	1	4.50	F	
ECF-319	10534	234.69	16311	B	1	4.70	F	
ECF-321	10537	243.10	16311	C	1	5.00	F	
ECF-324	10540	283.71	16311	C	1	5.50	F	
ECF-330	10546	361.00	16311	N	1	6.00	F	
ECF-350	10552	341.22	16311	N	1	6.50	F	
ECF-36	10430	142.74	16311	C	1	3.00	F	
ECF-38	10435	168.24	16311	C	1	3.50	F	
ECM-250	10603	283.82	5151	N	1		L	
ECU-110	10753	83.36	16312	B	1	2.90	F	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
EKJ-112	10754	85.61	16312	A	1	3.20	F	
EKJ-115	10755	97.98	16312	B	1	3.50	F	
EKJ-118	10756	106.52	16312	A	1	3.80	F	
EKJ-14	10736	65.55	16312	C	1	2.00	F	
EKJ-16	10738	72.29	16312	B	1	2.30	F	
EKJ-18	10740	77.58	16312	B	1	2.60	F	
EKJ-210	10763	116.80	16312	B	1	3.40	F	
EKJ-212	10764	125.63	16312	A	1	3.70	F	
EKJ-215	10765	141.63	16312	B	1	4.10	F	
EKJ-216	10766	152.44	16312	A	1	4.50	F	
EKJ-24	10746	90.21	16312	A	1	2.50	F	
EKJ-28	10748	98.35	16312	B	1	2.80	F	
EKJ-29	10750	106.51	16312	B	1	3.10	F	
EKJ-312	10774	185.37	16312	C	1	5.90	F	
EKJ-36	10751	147.92	16312	C	1	5.00	F	
EKJ-38	10752	166.71	16312	C	1	5.30	F	
EKJ-412	10783	231.13	16312	C	1	7.50	F	
EKJ-415	10784	318.71	16312	C	1	8.20	F	
EKJ-418	10785	344.98	16312	C	1	8.90	F	
EKJ-421	10786	371.26	16312	C	1	9.60	F	
EKJ-424	10787	400.34	16312	C	1	10.30	F	
EKJ-430	10789	451.24	16312	N	1	11.70	F	
EKJ-436	10791	502.73	16312	N	1	13.10	F	
EKJ-512	10792	400.34	16312	C	1	8.20	F	
EKJ-515	10793	432.75	16312	C	1	9.20	F	
EKJ-518	10794	467.40	16312	C	1	10.20	F	
EKJ-521	10795	500.12	16312	C	1	11.20	F	
EKJ-524	10796	532.91	16312	C	1	12.20	F	
EKJ-530	10798	595.40	16312	N	1	14.20	F	
EKJ-536	10800	665.32	16312	N	1	16.20	F	
EKJ-612	10801	515.96	16312	C	1	15.70	F	
EKJ-615	10802	558.10	16312	C	1	17.60	F	
EKJ-618	10803	596.49	16312	C	1	19.50	F	
EKJ-624	10805	676.59	16312	C	1	23.30	F	
EKJ-630	10807	764.21	16312	N	1	27.10	F	
EKJ-636	10809	862.70	16312	N	1	30.90	F	
EKJS-1012	11828	1766.18	16312	N	1	21.00	F	
EKJS-1015	11829	1969.67	16312	N	1	23.50	F	
EKJS-1018	11830	2148.93	16312	N	1	27.00	F	
EKJS-1021	11831	2338.64	16312	N	1	30.50	F	
EKJS-1024	11832	2528.56	16312	N	1	34.00	F	
EKJS-1027	11833	2718.97	16312	N	1	37.50	F	
EKJS-1030	11834	2908.68	16312	N	1	40.00	F	
EKJS-1033	11835	3098.94	16312	N	1	42.50	F	
EKJS-1036	11836	3288.85	16312	N	1	45.00	F	
EKJS-712	11810	1166.30	16312	N	1	14.00	F	
EKJS-715	11811	1216.84	16312	N	1	15.50	F	
EKJS-718	11812	1351.35	16312	N	1	17.00	F	
EKJS-721	11813	1443.09	16312	N	1	18.50	F	
EKJS-724	11814	1558.46	16312	N	1	20.00	F	
EKJS-727	11815	1673.81	16312	N	1	21.50	F	
EKJS-730	11816	1788.63	16312	N	1	23.00	F	
EKJS-733	11817	1903.98	16312	N	1	24.50	F	
EKJS-736	11818	2018.48	16312	N	1	26.00	F	
EKJS-812	11819	1401.84	16312	N	1	15.50	F	
EKJS-815	11820	1627.86	16312	N	1	17.20	F	
EKJS-818	11821	1769.36	16312	N	1	18.90	F	
EKJS-821	11822	1921.62	16312	N	1	20.60	F	
EKJS-824	11823	2227.69	16312	N	1	22.30	F	
EKJS-827	11824	2298.52	16312	N	1	24.00	F	
EKJS-830	11825	2358.42	16312	N	1	25.70	F	
EKJS-833	11826	2501.52	16312	N	1	27.40	F	
EKJS-836	11827	2647.32	16312	N	1	29.10	F	
EM61	14332	18.84	5131	N	1	0.50	L	
EM62	14945	22.22	5131	N	1	1.00	L	

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EMGS1	14333	93.10	5131	N	1	5.00	L	
EMGS2	14946	104.88	5131	N	1	7.00	L	
EMGS3	14947	164.09	5131	N	1	7.00	L	
EMH050	14930	409.85	5360	N	1	19.00	L	
EMH050A2	13645	450.51	5360	N	‡		L	
EMH050A2G	14809	472.73	5360	N	‡		L	
EMH050A3	13526	450.51	5360	N	‡		L	
EMH050A3G	14810	472.73	5360	N	‡		L	
EMH050G2	13527	523.46	5360	N	‡		L	
EMH050G2G	14815	545.68	5360	N	‡		L	
EMH050G3	13528	523.46	5360	N	‡		L	
EMH050G3G	14816	545.68	5360	N	‡		L	
EMH050D4	13529	516.49	5360	N	‡		L	
EMH050D4G	14821	532.70	5360	N	‡		L	
EMH050D5	13530	610.48	5360	N	‡		L	
EMH050D5G	14822	532.70	5360	N	‡		L	
EMH050G2	13531	479.58	5360	N	‡		L	
EMH050G2G	14827	501.79	5360	N	‡		L	
EMH050G3	13532	479.58	5360	N	‡		L	
EMH050G3G	14828	501.79	5360	N	‡		L	
EMH070	14931	425.71	5360	N	1	19.00	L	
EMH070A2	13533	466.37	5360	N	‡		L	
EMH070A2G	14811	488.58	5360	N	‡		L	
EMH070A3	13534	466.37	5360	N	‡		L	
EMH070A3G	14812	488.58	5360	N	‡		L	
EMH070G2	13535	539.32	5360	N	‡		L	
EMH070G2G	14817	561.54	5360	N	‡		L	
EMH070G3	13536	539.32	5360	N	‡		L	
EMH070G3G	14818	561.54	5360	N	‡		L	
EMH070D4	13537	526.34	5360	N	‡		L	
EMH070D4G	14823	548.56	5360	N	‡		L	
EMH070D5	13538	526.34	5360	N	‡		L	
EMH070D5G	14824	548.56	5360	N	‡		L	
EMH070J2	13539	495.43	5360	N	‡		L	
EMH070J2G	14829	517.65	5360	N	‡		L	
EMH070J3	13540	495.43	5360	N	‡		L	
EMH070J3G	14830	517.65	5360	N	‡		L	
EMH100	14932	474.45	5360	N	‡	20.00	L	
EMH100A2	13541	515.11	5360	N	‡		L	
EMH100A2G	14813	537.32	5360	N	‡		L	
EMH100A3	13542	515.11	5360	N	‡		L	
EMH100A3G	14814	537.32	5360	N	‡		L	
EMH100G2	13543	588.95	5360	N	‡		L	
EMH100G2G	14819	610.27	5360	N	‡		L	
EMH100G3	13544	588.95	5360	N	‡		L	
EMH100G3G	14820	610.27	5360	N	‡		L	
EMH100D4	13545	575.08	5360	N	‡		L	
EMH100D4G	14825	597.30	5360	N	‡		L	
EMH100D5	13546	575.08	5360	N	‡		L	
EMH100D5G	14826	597.30	5360	N	‡		L	
EMH100J2	13547	544.17	5360	N	‡		L	
EMH100J2G	14831	566.39	5360	N	‡		L	
EMH100J3	13548	544.17	5360	N	‡		L	
EMH100J3G	14832	566.39	5360	N	‡		L	
EMHP171	10700	1886.72	5936	N	1	30.00	L	
EM15	14324	155.98	5131	N	1	9.00	L	
EM15A2	14532	195.74	5131	N	‡	11.00	L	
EM15A2G	14260	206.58	5131	N	‡	11.50	L	
EM15A2GWL	14264	206.58	5131	N	‡	11.50	L	
EM15A2WL	14548	195.74	5131	N	‡	11.00	L	
EM15A3	14533	195.74	5131	N	‡	11.00	L	
EM15A3G	14261	206.58	5131	N	‡	11.50	L	
EM15A3GWL	14265	206.58	5131	N	‡	11.50	L	
EM15A3WL	14549	195.74	5131	N	‡	11.00	L	
EM1502	14534	268.89	5131	N	‡	14.00	L	

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EMI15B2G	14276	270.53	5131	N	‡	14.50	L	
EMI15B2GML	14280	270.53	5131	N	‡	14.50	L	
EMI15B2ML	14550	268.09	5131	N	‡	14.00	L	
EMI15B3	14535	268.09	5131	N	‡	14.00	L	
EMI15B3G	14277	270.53	5131	N	‡	14.50	L	
EMI15B3GML	14281	270.53	5131	N	‡	14.50	L	
EMI15B3ML	14551	268.09	5131	N	‡	14.00	L	
EMI15D4	14536	255.71	5131	N	‡	13.00	L	
EMI15D4G	14284	266.56	5131	N	‡	13.50	L	
EMI15D4GML	14288	266.56	5131	N	‡	13.50	L	
EMI15D4ML	14552	255.71	5131	N	‡	13.00	L	
EMI15D5	14537	255.71	5131	N	‡	13.00	L	
EMI15D5G	14285	266.56	5131	N	‡	13.50	L	
EMI15D5GML	14289	266.56	5131	N	‡	13.50	L	
EMI15D5ML	14553	255.71	5131	N	‡	13.00	L	
EMI15ML	14326	155.08	5131	N	‡	9.00	L	
EMI15X2	14538	224.88	5131	N	‡	13.00	L	
EMI15X2G	14268	235.65	5131	N	‡	13.50	L	
EMI15X2GML	14272	235.65	5131	N	‡	13.50	L	
EMI15X2ML	14554	224.88	5131	N	‡	13.00	L	
EMI15X3	14539	224.88	5131	N	‡	13.00	L	
EMI15X3G	14269	235.65	5131	N	‡	13.50	L	
EMI15X3GML	14273	235.65	5131	N	‡	13.50	L	
EMI15X3ML	14555	224.88	5131	N	‡	13.00	L	
EMI20	14325	155.08	5131	N	1	9.00	L	
EMI20A2	14540	195.74	5131	N	‡	11.00	L	
EMI20A2G	14262	206.58	5131	N	‡	11.50	L	
EMI20A2GML	14266	206.58	5131	N	‡	11.50	L	
EMI20A2ML	14556	195.74	5131	N	‡	11.00	L	
EMI20A3	14541	195.74	5131	N	‡	11.00	L	
EMI20A3G	14263	206.58	5131	N	‡	11.50	L	
EMI20A3GML	14267	206.58	5131	N	‡	11.50	L	
EMI20A3ML	14557	195.74	5131	N	‡	11.00	L	
EMI20B2	14542	268.09	5131	N	‡	14.00	L	
EMI20B2G	14278	270.53	5131	N	‡	14.50	L	
EMI20B2GML	14282	270.53	5131	N	‡	14.50	L	
EMI20B2ML	14558	268.09	5131	N	‡	14.00	L	
EMI20B3	14543	268.09	5131	N	‡	14.00	L	
EMI20B3G	14279	270.53	5131	N	‡	14.50	L	
EMI20B3GML	14283	270.53	5131	N	‡	14.50	L	
EMI20B3ML	14559	268.09	5131	N	‡	14.00	L	
EMI20D4	14544	255.71	5131	N	‡	13.00	L	
EMI20D4G	14286	266.56	5131	N	‡	13.50	L	
EMI20D4GML	14290	266.56	5131	N	‡	13.50	L	
EMI20D4ML	14560	255.71	5131	N	‡	13.00	L	
EMI20D5	14545	255.71	5131	N	‡	13.00	L	
EMI20D5G	14287	266.56	5131	N	‡	13.50	L	
EMI20D5GML	14291	266.56	5131	N	‡	13.50	L	
EMI20D5ML	14561	255.71	5131	N	‡	13.00	L	
EMI20ML	14327	155.08	5131	N	‡	9.00	L	
EMI20X2	14546	224.88	5131	N	‡	13.00	L	
EMI20X2G	14270	235.65	5131	N	‡	13.50	L	
EMI20X2GML	14274	235.65	5131	N	‡	13.50	L	
EMI20X2ML	14562	224.88	5131	N	‡	13.00	L	
EMI20X3	14547	224.88	5131	N	‡	13.00	L	
EMI20X3G	14271	235.65	5131	N	‡	13.50	L	
EMI20X3GML	14275	235.65	5131	N	‡	13.50	L	
EMI20X3ML	14563	224.88	5131	N	‡	13.00	L	
EMI30	14929	243.93	5131	N	1	13.00	L	
EMI30A2	13500	276.11	5131	N	‡	15.00	L	
EMI30A2G	14801	306.81	5131	N	‡	16.00	L	
EMI30A2GML	13509	306.81	5131	N	‡	16.00	L	
EMI30A2ML	13508	276.11	5131	N	‡	15.00	L	
EMI30A3	13501	276.11	5131	N	‡	15.00	L	
EMI30A3G	14802	306.81	5131	N	‡	16.00	L	

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EMI30A3GML	13511	306.81	5131	N	‡	16.00	L	
EMI30A3ML	13510	276.11	5131	N	‡	15.00	L	
EMI30B2	13502	357.54	5131	N	‡	18.00	L	
EMI30B2G	14805	379.76	5131	N	‡	19.00	L	
EMI30B2GML	13513	379.76	5131	N	‡	19.00	L	
EMI30B2ML	13512	357.54	5131	N	‡	18.00	L	
EMI30B3	14806	357.54	5131	N	‡		L	
EMI30B3G	14948	379.76	5131	N	‡		L	
EMI30B3GML	13515	379.76	5131	N	‡	19.00	L	
EMI30B3ML	13514	357.54	5131	N	‡	18.00	L	
EMI30D4	13503	344.56	5131	N	‡	17.00	L	
EMI30D4G	14807	366.78	5131	N	‡	18.00	L	
EMI30D4GML	13517	366.78	5131	N	‡	18.00	L	
EMI30D4ML	13516	344.56	5131	N	‡	17.00	L	
EMI30D5	13504	344.56	5131	N	‡	17.00	L	
EMI30D5G	14808	366.78	5131	N	‡	18.00	L	
EMI30D5GML	13519	366.78	5131	N	‡	18.00	L	
EMI30D5ML	13518	344.56	5131	N	‡	17.00	L	
EMI30ML	13507	243.93	5131	N	‡	13.00	L	
EMI30X2	13505	313.65	5131	N	‡	17.00	L	
EMI30X2G	14803	335.87	5131	N	‡	18.00	L	
EMI30X2GML	13521	335.87	5131	N	‡	18.00	L	
EMI30X2ML	13520	313.65	5131	N	‡	17.00	L	
EMI30X3	13506	313.65	5131	N	‡	17.00	L	
EMI30X3G	14804	335.87	5131	N	‡	18.00	L	
EMI30X3GML	13523	335.87	5131	N	‡	18.00	L	
EMI30X3ML	13522	313.65	5131	N	‡	17.00	L	
EMIP111	10702	1866.72	5936	N	1	30.00	L	
EMM6510	14933	371.82	5360	N	1		L	
EMM6510A2	13549	411.68	5360	N	‡		L	
EMM6510A2G	14833	433.99	5360	N	‡		L	
EMM6510A3	13550	411.68	5360	N	‡		L	
EMM6510A3G	14834	433.99	5360	N	‡		L	
EMM6510B2	13551	484.63	5360	N	‡		L	
EMM6510B2G	14843	506.85	5360	N	‡		L	
EMM6510B3	13552	484.63	5360	N	‡		L	
EMM6510B3G	14844	506.85	5360	N	‡		L	
EMM6510D4	13553	471.86	5360	N	‡		L	
EMM6510D4G	14853	493.88	5360	N	‡		L	
EMM6510D5	13554	471.86	5360	N	‡		L	
EMM6510D5G	14854	493.88	5360	N	‡		L	
EMM6510X2	13555	448.75	5360	N	‡		L	
EMM6510X2G	14863	492.97	5360	N	‡		L	
EMM6510X3	13556	448.75	5360	N	‡		L	
EMM6510X3G	14864	492.97	5360	N	‡		L	
EMN100	14936	393.18	5360	N	1	19.00	L	
EMN100A2	13557	433.94	5360	N	‡		L	
EMN100A2G	14839	456.85	5360	N	‡		L	
EMN100A3	13558	433.94	5360	N	‡		L	
EMN100A3G	14840	456.85	5360	N	‡		L	
EMN100B2	13559	506.79	5360	N	‡		L	
EMN100B2G	14849	529.99	5360	N	‡		L	
EMN100B3	13560	506.79	5360	N	‡		L	
EMN100B3G	14850	529.99	5360	N	‡		L	
EMN100D4	13561	493.81	5360	N	‡		L	
EMN100D4G	14859	516.83	5360	N	‡		L	
EMN100D5	13562	493.81	5360	N	‡		L	
EMN100D5G	14860	516.83	5360	N	‡		L	
EMN100X2	13563	462.96	5360	N	‡		L	
EMN100X2G	14869	485.12	5360	N	‡		L	
EMN100X3	13564	462.99	5360	N	‡		L	
EMN100X3G	14870	485.12	5360	N	‡		L	
EMN105	14937	393.18	5360	N	1		L	
EMN105A2	13565	433.94	5360	N	‡		L	
EMN105A2G	14841	456.85	5360	N	‡		L	

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EMM105A3	13566	433.84	5360	N	‡		L	
EMM105A3G	14842	456.05	5360	N	‡		L	
EMM1052	13567	506.79	5360	N	‡		L	
EMM1052G	14851	529.00	5360	N	‡		L	
EMM1053	13568	506.79	5360	N	‡		L	
EMM1053G	14852	529.00	5360	N	‡		L	
EMM1054	13569	493.81	5360	N	‡		L	
EMM1054G	14861	516.03	5360	N	‡		L	
EMM1055	13570	493.81	5360	N	‡		L	
EMM1055G	14862	516.03	5360	N	‡		L	
EMM1052	13571	462.98	5360	N	‡		L	
EMM1052G	14871	485.12	5360	N	‡		L	
EMM1053	13572	462.98	5360	N	‡		L	
EMM1053G	14872	485.12	5360	N	‡		L	
EMM751	14934	384.91	5360	N	1		L	
EMM751A2	13573	424.98	5360	N	‡		L	
EMM751A2G	14835	447.19	5360	N	‡		L	
EMM751A3	13574	424.98	5360	N	‡		L	
EMM751A3G	14836	447.19	5360	N	‡		L	
EMM751D2	13575	487.92	5360	N	‡		L	
EMM751D2G	14845	620.14	5360	N	‡		L	
EMM751D3	13576	487.92	5360	N	‡		L	
EMM751D3G	14846	520.14	5360	N	‡		L	
EMM751D4	13577	484.95	5360	N	‡		L	
EMM751D4G	14855	507.17	5360	N	‡		L	
EMM751D6	13578	484.95	5360	N	‡		L	
EMM751D6G	14856	507.17	5360	N	‡		L	
EMM751X2	13579	454.94	5360	N	‡		L	
EMM751X2G	14865	476.26	5360	N	‡		L	
EMM751X3	13580	454.94	5360	N	‡		L	
EMM751X3G	14866	476.26	5360	N	‡		L	
EMM754	14935	384.91	5360	N	‡		L	
EMM754A2	13581	424.98	5360	N	‡		L	
EMM754A2G	14837	447.19	5360	N	‡		L	
EMM754A3	13582	424.98	5360	N	‡		L	
EMM754A3G	14838	447.19	5360	N	‡		L	
EMM754D2	13583	487.92	5360	N	‡		L	
EMM754D2G	14847	520.14	5360	N	‡		L	
EMM754D3	13584	487.92	5360	N	‡		L	
EMM754D3G	14848	520.14	5360	N	‡		L	
EMM754D4	13585	484.95	5360	N	‡		L	
EMM754D4G	14857	507.17	5360	N	‡		L	
EMM754D5	13586	484.95	5360	N	‡		L	
EMM754D5G	14858	507.17	5360	N	‡		L	
EMM754X2	13587	454.94	5360	N	‡		L	
EMM754X2G	14867	476.26	5360	N	‡		L	
EMM754X3	13588	454.94	5360	N	‡		L	
EMM754X3G	14868	476.26	5360	N	‡		L	
EMMS	14336	29.66	5360	N	1		L	
EMS059	14939	596.48	5360	N	1	19.00	L	
EMS059A2	13589	549.16	5360	N	‡		L	
EMS059A2G	14875	571.37	5360	N	‡		L	
EMS059A3	13590	549.16	5360	N	‡		L	
EMS059A3G	14876	571.37	5360	N	‡		L	
EMS059D2	13591	622.19	5360	N	‡		L	
EMS059D2G	14889	644.32	5360	N	‡		L	
EMS059D3	13592	622.19	5360	N	‡		L	
EMS059D3G	14890	644.32	5360	N	‡		L	
EMS059D4	13593	609.13	5360	N	‡		L	
EMS059D4G	14903	631.35	5360	N	‡		L	
EMS059D6	13594	609.13	5360	N	‡		L	
EMS059D6G	14904	631.35	5360	N	‡		L	
EMS059X2	13595	576.22	5360	N	‡		L	
EMS059X2G	14917	598.44	5360	N	‡		L	
EMS059X3	13596	576.22	5360	N	‡		L	

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EMS059X3G	14918	598.44	5360	N	‡		L	
EMS078	14940	529.39	5360	N	1	19.00	L	
EMS078A2	13597	561.85	5360	N	‡		L	
EMS078A2G	14877	583.27	5360	N	‡		L	
EMS078A3	13598	561.85	5360	N	‡		L	
EMS078A3G	14879	583.27	5360	N	‡		L	
EMS078D2	13599	634.98	5360	N	‡		L	
EMS078D2G	14891	656.21	5360	N	‡		L	
EMS078D3	13600	634.98	5360	N	‡		L	
EMS078D3G	14892	656.21	5360	N	‡		L	
EMS078D4	13601	621.92	5360	N	‡		L	
EMS078D4G	14905	643.24	5360	N	‡		L	
EMS078D5	13602	621.92	5360	N	‡		L	
EMS078D5G	14906	643.24	5360	N	‡		L	
EMS078D2	13603	590.11	5360	N	‡		L	
EMS078D2G	14919	612.33	5360	N	‡		L	
EMS078D3	13604	590.11	5360	N	‡		L	
EMS078D3G	14920	612.33	5360	N	‡		L	
EMS875	14941	529.39	5360	N	1		L	
EMS875A2	13605	561.85	5360	N	‡		L	
EMS875A2G	14949	583.27	5360	N	‡		L	
EMS875A3	13606	561.85	5360	N	‡		L	
EMS875A3G	14880	583.27	5360	N	‡		L	
EMS875D2	13607	634.98	5360	N	‡		L	
EMS875D2G	14893	656.21	5360	N	‡		L	
EMS875D3	13608	634.98	5360	N	‡		L	
EMS875D3G	14894	656.21	5360	N	‡		L	
EMS875D4	13609	621.92	5360	N	‡		L	
EMS875D4G	14907	643.24	5360	N	‡		L	
EMS875D5	13610	621.92	5360	N	‡		L	
EMS875D6G	14908	643.24	5360	N	‡		L	
EMS875X2	13611	590.11	5360	N	‡		L	
EMS875X2G	14921	612.33	5360	N	‡		L	
EMS875X3	13612	590.11	5360	N	‡		L	
EMS875X3G	14922	612.33	5360	N	‡		L	
EMS100	14942	529.85	5360	N	1		L	
EMS100A2	13613	571.31	5360	N	‡		L	
EMS100A2G	14881	593.53	5360	N	‡		L	
EMS100A3	13614	571.31	5360	N	‡		L	
EMS100A3G	14882	593.53	5360	N	‡		L	
EMS100D2	13615	644.26	5360	N	‡		L	
EMS100D2G	14895	666.49	5360	N	‡		L	
EMS100D3	13616	644.26	5360	N	‡		L	
EMS100D3G	14896	666.49	5360	N	‡		L	
EMS100D4	13617	631.20	5360	N	‡		L	
EMS100D4G	14909	653.50	5360	N	‡		L	
EMS100D6	13618	631.20	5360	N	‡		L	
EMS100D6G	14910	653.50	5360	N	‡		L	
EMS100X2	13619	600.37	5360	N	‡		L	
EMS100X2G	14923	622.59	5360	N	‡		L	
EMS100X3	13620	600.37	5360	N	‡		L	
EMS100X3G	14924	622.59	5360	N	‡		L	
EMS105	14943	538.46	5360	N	1		L	
EMS105A2	13621	571.31	5360	N	‡		L	
EMS105A2G	14883	593.53	5360	N	‡		L	
EMS105A3	13622	571.31	5360	N	‡		L	
EMS105A3G	14884	593.53	5360	N	‡		L	
EMS105D2	13623	644.26	5360	N	‡		L	
EMS105D2G	14897	666.49	5360	N	‡		L	
EMS105D3	13624	644.26	5360	N	‡		L	
EMS105D3G	14898	666.49	5360	N	‡		L	
EMS105D4	13625	631.20	5360	N	‡		L	
EMS105D4G	14911	653.50	5360	N	‡		L	
EMS105D5	13626	631.20	5360	N	‡		L	
EMS105D6G	14912	653.50	5360	N	‡		L	

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EMS105X2	13627	600.37	5360	N	‡		L	
EMS105X2G	14925	622.59	5360	N	‡		L	
EMS105X3	13628	600.37	5360	N	‡		L	
EMS105X3G	14926	622.59	5360	N	‡		L	
EMS151	14944	541.02	5360	N	1	18.00	L	
EMS151A2	13629	581.69	5360	N	‡		L	
EMS151A2G	14885	603.90	5360	N	‡		L	
EMS151A3	13630	581.69	5360	N	‡		L	
EMS151A3G	14886	603.90	5360	N	‡		L	
EMS151B2	13631	654.63	5360	N	‡		L	
EMS151B2G	14899	676.85	5360	N	‡		L	
EMS151B3	13632	654.63	5360	N	‡		L	
EMS151B3G	14900	676.85	5360	N	‡		L	
EMS151D4	13633	641.66	5360	N	‡		L	
EMS151D4G	14913	663.88	5360	N	‡		L	
EMS151D5	13634	641.66	5360	N	‡		L	
EMS151D5G	14914	663.88	5360	N	‡		L	
EMS151X2	13635	610.75	5360	N	‡		L	
EMS151X2G	14927	632.97	5360	N	‡		L	
EMS151X3	13636	610.75	5360	N	‡		L	
EMS151X3G	14928	632.97	5360	N	‡		L	
EMS351	14938	469.80	5360	N	1	15.00	L	
EMS351A2	13637	534.46	5360	N	‡		L	
EMS351A2G	14873	556.68	5360	N	‡		L	
EMS351A3	13638	534.46	5360	N	‡		L	
EMS351A3G	14874	556.68	5360	N	‡		L	
EMS351B2	13639	607.41	5360	N	‡		L	
EMS351B2G	14887	629.63	5360	N	‡		L	
EMS351B3	13640	607.41	5360	N	‡		L	
EMS351B3G	14888	629.63	5360	N	‡		L	
EMS351D4	13641	584.44	5360	N	‡		L	
EMS351D4G	14901	606.66	5360	N	‡		L	
EMS351D5	13642	584.44	5360	N	‡		L	
EMS351D5G	14902	606.66	5360	N	‡		L	
EMS351X2	13643	563.53	5360	N	‡		L	
EMS351X2G	14915	585.75	5360	N	‡		L	
EMS351X3	13644	563.53	5360	N	‡		L	
EMS351X3G	14916	585.75	5360	N	‡		L	
EMSP151	10704	1000.72	5936	N	1	30.00	L	
ENY-1	11110	0.34	16110	A	25	0.44	F	
ENY-1M	11131	0.99	16115	A	5	1.32	F	Å
ENY-1-T	11050	0.61	16110	B	25	0.46	F	
ENY-1TM	11137	0.91	16115	B	5	1.38	F	Å
ENY-2	11111	0.66	16110	A	25	0.52	F	
ENY-2M	11132	10.56	16115	A	5	1.56	F	Å
ENY-2-T	11051	11.83	16110	B	25	0.55	F	
ENY-2TM	11138	11.23	16115	B	5	1.66	F	Å
ENY-3	11112	12.65	16110	A	25	0.76	F	
ENY-3M	11133	13.58	16115	A	5	2.28	F	Å
ENY-3-T	11052	15.15	16110	B	25	0.80	F	
ENY-3TM	11139	14.11	16115	B	5	2.46	F	Å
ENY-4	11113	15.84	16110	A	5	1.00	F	
ENY40-1	11056	12.47	16110	N	1	1.50	F	
ENY40-2	11057	16.22	16110	N	1	1.80	F	
ENY40-3	11058	20.18	16110	N	1	2.00	F	
ENY40-4	11059	31.33	16110	N	1	2.80	F	
ENY40-5	11060	41.49	16110	N	1	3.70	F	
ENY-4M	11134	16.49	16115	A	1	3.00	F	Å
ENY-4-T	11116	18.51	16110	C	5	1.10	F	
ENY-4TM	11140	18.65	16115	C	1	3.36	F	Å
ENY-5	11114	22.63	16110	A	5	1.30	F	
ENY-5M	11135	24.82	16115	A	1	4.00	F	Å
ENY-5-T	11117	27.18	16110	C	5	1.40	F	
ENY-5TM	11141	27.31	16115	C	1	4.20	F	Å
ENY-6	11115	29.97	16110	A	5	1.90	F	

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ENY-6M	11136	32.17	16115	A	1	5.80	F	Å
ENY-6-T	11119	36.84	16110	C	5	2.10	F	
ENY-6TM	11142	35.53	16115	C	1	6.30	F	Å
EP-2-200	10813	531.23	5151	N	1	11.20	L	
EPG-2-200	10829	546.26	5151	N	1	11.90	L	
EPZ10-050NPT	40974	0.85	15581	N	50	0.10	F	Å
EPZ10-075NPT	40975	0.83	15581	N	25	0.20	F	Å
EPZ10-100NPT	40976	1.36	15581	N	25	0.25	F	Å
EPZ10-125NPT	40977	2.71	15581	N	5	0.75	F	Å
EPZ10-150NPT	40978	3.96	15581	N	5	0.75	F	Å
EPZ10-200NPT	40979	8.88	15581	N	5	1.00	F	Å
EPZ10-250NPT	40980	11.24	15581	N	1	1.25	F	Å
EPZ10-M20	40967	0.53	15581	N	50	0.10	F	Å
EPZ10-M25	40968	0.88	15581	N	25	0.20	F	Å
EPZ10-M32	40969	1.30	15581	N	25	0.25	F	Å
EPZ10-M40	40970	2.29	15581	N	5	0.50	F	Å
EPZ10-M50	40971	3.30	15581	N	5	0.75	F	Å
EPZ10-M63	40972	4.31	15581	N	1	1.00	F	Å
EPZ10-M75	40973	5.40	15581	N	1	1.25	F	Å
ERA16	14335	31.88	5131	N	1	2.10	L	
ERA30	13524	37.60	5131	N	1	2.80	L	
ERB015	14334	28.66	5131	N	1	2.50	L	
ERB030	13525	40.85	5131	N	1	2.80	L	
ESX120PS	10678	327.67	23146	N	1	1.00	L	
ESX1274PS	10680	327.67	23146	N	1	1.00	L	
ESX240PS	10679	327.67	23146	N	1	1.00	L	
ESXAL	10673	73.55	23146	N	1	1.00	L	
ESXBL	10674	73.55	23146	N	1	1.00	L	
ESXCL	10675	73.55	23146	N	1	1.00	L	
ESXGL	10676	73.55	23146	N	1	1.00	L	
ESXR120AA2	10625	881.44	23146	N	1	15.00	L	
ESXR120AA2G	10649	903.55	23146	N	1	16.00	L	
ESXR120AA3	10626	881.44	23146	N	1	15.00	L	
ESXR120AA3G	10650	903.55	23146	N	1	16.00	L	
ESXR120AB2	10627	947.79	23146	N	1	18.00	L	
ESXR120AB2G	10651	969.99	23146	N	1	19.00	L	
ESXR120AB3	10628	947.79	23146	N	1	18.00	L	
ESXR120AB3G	10652	969.99	23146	N	1	19.00	L	
ESXR120AD4	10629	925.94	23146	N	1	17.00	L	
ESXR120AD4G	10653	958.06	23146	N	1	18.00	L	
ESXR120AD5	10630	925.94	23146	N	1	17.00	L	
ESXR120AD5G	10654	958.06	23146	N	1	18.00	L	
ESXR120AX2	10631	907.91	23146	N	1	17.00	L	
ESXR120AX2G	10655	938.02	23146	N	1	18.00	L	
ESXR120AX3	10632	907.91	23146	N	1	17.00	L	
ESXR120AX3G	10656	938.02	23146	N	1	18.00	L	
ESXR1274A2	10641	881.44	23146	N	1	15.00	L	
ESXR1274A2G	10665	903.55	23146	N	1	16.00	L	
ESXR1274A3	10642	881.44	23146	N	1	15.00	L	
ESXR1274A3G	10666	903.55	23146	N	1	16.00	L	
ESXR1274B2	10643	947.79	23146	N	1	18.00	L	
ESXR1274B2G	10667	969.99	23146	N	1	19.00	L	
ESXR1274B3	10644	947.79	23146	N	1	18.00	L	
ESXR1274B3G	10668	969.99	23146	N	1	19.00	L	
ESXR1274D4	10645	925.94	23146	N	1	17.00	L	
ESXR1274D4G	10669	958.06	23146	N	1	18.00	L	
ESXR1274D5	10646	925.94	23146	N	1	17.00	L	
ESXR1274D5G	10670	958.06	23146	N	1	18.00	L	
ESXR1274X2	10647	907.91	23146	N	1	17.00	L	
ESXR1274X2G	10671	938.02	23146	N	1	18.00	L	
ESXR1274X3	10648	907.91	23146	N	1	17.00	L	
ESXR1274X3G	10672	938.02	23146	N	1	18.00	L	
ESXR240AA2	10633	881.44	23146	N	1	15.00	L	
ESXR240AA2G	10657	903.55	23146	N	1	16.00	L	
ESXR240AA3	10634	881.44	23146	N	1	15.00	L	

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ESXR240AA3G	10658	983.55	23146	N	1	16.00	L	
ESXR240AB2	10635	947.79	23146	N	1	18.00	L	
ESXR240AB2G	10659	969.90	23146	N	1	19.00	L	
ESXR240AB3	10636	947.79	23146	N	1	18.00	L	
ESXR240AB3G	10660	969.90	23146	N	1	19.00	L	
ESXR240AD4	10637	935.94	23146	N	1	17.00	L	
ESXR240AD4G	10661	958.06	23146	N	1	18.00	L	
ESXR240AD5	10638	935.94	23146	N	1	17.00	L	
ESXR240AD5G	10662	958.06	23146	N	1	18.00	L	
ESXR240AX2	10639	907.91	23146	N	1	17.00	L	
ESXR240AX2G	10663	930.02	23146	N	1	18.00	L	
ESXR240AX3	10640	907.91	23146	N	1	17.00	L	
ESXR240AX3G	10664	930.02	23146	N	1	18.00	L	
ESXRL	10677	73.55	23146	N	1	1.00	L	
EX-2-200	10875	583.21	5151	N	1	11.70	L	
EXB-10106 N34	11900	754.91	1321	N	1	66.00	E	
EXB-10186 N34	11902	866.78	1321	N	1	72.00	E	
EXB-10146 N34	11904	886.39	1321	N	1	82.00	E	
EXB-10146 N34	11906	909.42	1321	N	1	89.00	E	
EXB-12126 N34	11901	896.88	1321	N	1	75.00	E	
EXB-12126 N34	11903	952.87	1321	N	1	83.00	E	
EXB-12186 N34	11905	1261.46	1321	N	1	110.00	E	
EXB-12186 N34	11907	1354.38	1321	N	1	120.00	E	
EXB-122412 N34	11935	1943.84	1321	N	1	225.00	E	
EXB-12246 N34	11909	1593.37	1321	N	1	145.00	E	
EXB-12246 N34	11911	1648.75	1321	N	1	160.00	E	
EXB-123618 N34	11910	3243.68	1321	N	1	245.00	E	
EXB-12368 N34	11908	3103.18	1321	N	1	231.00	E	
EXB-14146 N34	11912	1290.75	1321	N	1	121.00	E	
EXB-14148 N34	11914	1454.11	1321	N	1	136.00	E	
EXB-16166 N34	11913	1427.42	1321	N	1	127.00	E	
EXB-16168 N34	11915	1726.82	1321	N	1	138.00	E	
EXB-182418 N34	11918	2984.81	1321	N	1	266.00	E	
EXB-18248 N34	11916	2705.13	1321	N	1	251.00	E	
EXB-18186 N34	11920	2027.39	1321	N	1	206.00	E	
EXB-19186 N34	11922	2201.47	1321	N	1	220.00	E	
EXB-192418 N34	11919	3254.94	1321	N	1	260.00	E	
EXB-19248 N34	11917	3021.94	1321	N	1	240.00	E	
EXB-193618 N34	11923	4183.68	1321	N	1	405.00	E	
EXB-19368 N34	11921	4117.45	1321	N	1	380.00	E	
EXB-203611 N34	11924	5243.14	1321	N	1	540.00	E	
EXB-242418 N34	11927	3653.25	1321	N	1	350.00	E	
EXB-24246 N34	11925	3578.98	1321	N	1	330.00	E	
EXB-243618 N34	11928	6291.87	1321	N	1	531.00	E	
EXB-24368 N34	11926	5731.71	1321	N	1	506.00	E	
EXB-664 N34	11929	322.74	1321	N	1	18.00	E	
EXB-6104 N34	11934	611.98	1321	N	1	35.00	E	
EXB-6106 N34	11933	630.85	1321	N	1	38.00	E	
EXB-6125 N34	11932	732.51	1321	N	1	47.00	E	
EXB-6128 N34	11930	858.81	1321	N	1	67.00	E	
EXB-686 N34	11931	531.28	1321	N	1	30.00	E	
EXEN1	11840	7.35	16506	N	1	0.50	F	
EXEN2	11841	8.66	16506	N	1		F	
EXEN3	11842	9.45	16506	N	1		F	
EXEN4	11843	12.60	16506	N	1		F	
EXEN5	11844	14.70	16506	N	1		F	
EXEN6	11845	18.90	16506	N	1		F	
EXEN7	11846	23.10	16506	N	1		F	
EXEN8	11847	26.76	16506	N	1		F	
EXEN9	11848	30.45	16506	N	1		F	
EXG-2-200	10888	596.57	5151	N	1	12.40	L	
EXH1A10	11852	254.15	1327	N	1	3.00	E	
EXH1A6	11850	222.47	1327	N	1	3.00	E	
EXH1A8	11851	241.50	1327	N	1	3.00	E	
EXH1B10	11854	266.92	1327	N	1	3.50	E	

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EXH1B8	11853	254.15	1327	N	1	3.50	E	
EXH2C10	11856	317.74	1327	N	1	4.50	E	
EXH2C8	11855	292.33	1327	N	1	4.50	E	
EXH3D10	11858	476.62	1327	N	1	7.00	E	
EXH3D8	11857	444.92	1327	N	1	7.00	E	
EXHSE10	11859	489.38	1327	N	1	8.00	E	
EY-0	11010	236.42	16110	C	1	6.50	F	
EY-0M	11152	252.18	16115	C	1	18.60	F	Å
EY-0-T	11021	257.26	16110	C	1	7.00	F	
EY-0TM	11162	274.41	16115	C	1	20.00	F	Å
EY-1	11001	8.34	16110	A	25	0.32	F	
EY-1M	11143	8.96	16115	A	5	0.96	F	Å
EY-1-T	11030	9.51	16110	B	25	0.34	F	
EY-1TM	11153	9.73	16115	B	5	1.02	F	Å
EY-2	11002	9.95	16110	A	25	0.36	F	
EY-2M	11144	10.56	16115	A	5	1.08	F	Å
EY-2-T	11033	11.03	16110	B	25	0.38	F	
EY-2TM	11154	11.45	16115	B	5	1.14	F	Å
EY-3	11003	12.06	16110	A	25	0.66	F	
EY-3M	11145	13.56	16115	A	5	1.98	F	Å
EY-3-T	11036	15.15	16110	B	25	0.70	F	
EY-3TM	11155	14.63	16115	B	5	2.10	F	Å
EY-4	11004	15.94	16110	A	5	1.00	F	
EY40-1	11061	12.47	16110	N	1	1.40	F	
EY40-2	11062	16.22	16110	N	1	1.70	F	
EY40-3	11063	20.18	16110	N	1	2.00	F	
EY40-4	11064	31.33	16110	N	1	2.70	F	
EY40-5	11065	41.80	16110	N	1	3.80	F	
EY40-6	11066	63.61	16110	N	1	6.60	F	
EY40-7	11067	76.15	16110	N	1	3.10	F	
EY40-8	11068	100.87	16110	N	1	9.40	F	
EY40-9	11069	200.52	16110	N	1	9.20	F	
EY-4M	11146	16.52	16115	A	1	3.00	F	Å
EY-4-T	11039	18.51	16110	C	5	1.06	F	
EY-4TM	11156	18.58	16115	C	1	3.20	F	Å
EY-5	11005	22.83	16110	A	5	1.20	F	
EY-5M	11147	25.86	16115	A	1	3.60	F	Å
EY-5-T	11041	27.18	16110	C	5	1.26	F	
EY-5TM	11157	27.46	16115	C	1	3.80	F	Å
EY-6	11006	29.97	16110	A	5	2.00	F	
EY-6M	11148	32.41	16115	A	1	6.00	F	Å
EY-6-T	11022	35.84	16110	C	5	2.10	F	
EY-6TM	11158	35.71	16115	C	1	6.30	F	Å
EY-7	11007	45.97	16110	B	1	4.50	F	
EY-7M	11149	49.83	16115	B	1	12.90	F	Å
EY-7-T	11023	56.94	16110	C	1	5.00	F	
EY-7TM	11159	58.73	16115	C	1	14.30	F	Å
EY-8	11008	56.51	16110	B	1	4.00	F	
EY-8M	11150	60.20	16115	B	1	11.50	F	Å
EY-8-T	11024	66.84	16110	C	1	4.50	F	
EY-8TM	11160	74.20	16115	C	1	12.80	F	Å
EY-9	11009	159.86	16110	C	1	7.00	F	
EY-9M	11151	161.84	16115	C	1	20.20	F	Å
EY-9-T	11025	167.74	16110	C	1	7.50	F	
EY-9TM	11161	178.92	16115	C	1	21.50	F	Å
EYD-0	11070	258.48	16110	N	1	7.00	F	
EYD-0M	11172	265.66	16115	C	1	20.00	F	Å
EYD-0-T	11080	279.32	16110	N	1	7.20	F	
EYD-0TM	11182	294.97	16115	C	1	20.00	F	Å
EYD-1M	11163	31.45	16115	A	5	1.70	F	Å
EYD-1TM	11173	32.09	16115	B	5	1.80	F	Å
EYD-2M	11164	32.70	16115	A	5	1.90	F	Å
EYD-2TM	11174	33.87	16115	B	5	2.10	F	Å
EYD-3	11073	35.21	16110	C	25	0.70	F	
EYD-3M	11165	38.10	16115	B	5	2.10	F	Å

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EYD-3-T	11081	37.70	16110	N	25	0.74	F	
EYD-3TM	11175	39.62	16115	B	5	2.22	F	Å
EYD-4	11074	37.59	16110	C	5	1.04	F	
EYD-4M	11166	41.21	16115	C	1	3.10	F	Å
EYD-4-T	11082	41.07	16110	N	5	1.08	F	
EYD-4TM	11176	43.28	16115	C	1	3.20	F	Å
EYD-5	11075	48.67	16110	C	5	1.24	F	
EYD-5M	11167	52.89	16115	C	1	3.70	F	Å
EYD-5-T	11083	52.92	16110	N	5	1.28	F	
EYD-5TM	11177	55.14	16115	C	1	3.80	F	Å
EYD-6	11076	53.64	16110	C	5	2.10	F	
EYD-6M	11168	58.52	16115	C	1	6.30	F	Å
EYD-6-T	11084	56.71	16110	N	5	2.14	F	
EYD-6TM	11178	61.95	16115	C	1	6.40	F	Å
EYD-7	11077	75.55	16110	N	1	4.70	F	
EYD-7M	11169	83.10	16115	C	1	13.40	F	Å
EYD-7-T	11085	86.52	16110	N	1	4.90	F	
EYD-7TM	11179	87.97	16115	C	1	14.00	F	Å
EYD-8	11078	107.51	16110	N	1	4.20	F	
EYD-8M	11170	116.50	16115	C	1	12.00	F	Å
EYD-8-T	11086	120.03	16110	N	1	4.40	F	
EYD-8TM	11180	125.94	16115	C	1	12.60	F	Å
EYD-9	11079	166.88	16110	N	1	7.20	F	
EYD-9M	11171	184.40	16115	C	1	20.60	F	Å
EYD-9-T	11087	183.63	16110	N	1	7.40	F	
EYD-9TM	11181	196.02	16115	C	1	21.20	F	Å
EYMF-1	11042	7.02	16150	B	10/50	0.12	F	
EYMF-2	11043	9.14	16150	A	5	0.18	F	
EYS-0	11120	219.23	16110	C	1	5.00	F	
EYS-0M	11186	254.79	16115	C	1	14.30	F	Å
EYS-0-T	11100	249.87	16110	C	1	5.50	F	
EYS-0TM	11190	271.78	16115	C	1	17.70	F	Å
EYS-1	11011	14.86	16110	A	5/25	0.48	F	
EYS-1-T	11101	15.33	16110	B	5/25	0.50	F	
EYS-2	11012	16.28	16110	A	5/25	0.56	F	
EYS-2-T	11102	26.16	16110	B	5/25	0.58	F	
EYS-3	11013	22.93	16110	A	5/25	0.53	F	
EYS-3-T	11103	25.42	16110	B	5/25	0.57	F	
EYS-4	11014	28.50	16110	A	5	1.10	F	
EYS-4-T	11104	31.97	16110	B	5	1.16	F	
EYS-5	11015	42.78	16110	A	5	1.10	F	
EYS-5-T	11105	47.65	16110	B	5	1.16	F	
EYS-6	11016	56.51	16110	A	5	2.20	F	
EYS-6-T	11106	62.58	16110	B	5	2.30	F	
EYS-7	11017	80.50	16110	B	1	3.50	F	
EYS-7M	11183	76.74	16115	B	1	10.00	F	Å
EYS-7-T	11107	85.79	16110	C	1	4.00	F	
EYS-7TM	11187	89.24	16115	C	1	11.40	F	Å
EYS-8	11018	165.12	16110	B	1	3.00	F	
EYS-8M	11184	86.21	16115	B	1	8.50	F	Å
EYS-8-T	11108	116.25	16110	C	1	3.50	F	
EYS-8TM	11188	119.71	16115	C	1	10.00	F	Å
EYS-9	11019	148.71	16110	C	1	6.00	F	
EYS-9M	11185	165.89	16115	B	1	17.20	F	Å
EYS-9-T	11109	167.47	16110	C	1	6.50	F	
EYS-9TM	11189	176.43	16115	C	1	18.50	F	Å
EZA2	14192	40.86	5371	N	1	2.00	L	
EZA3	14193	40.86	5371	N	1	2.00	L	
EZB2	14196	113.61	5371	N	1	5.00	L	
EZB3	14197	113.61	5371	N	1	5.00	L	
EZBA12	11692	113.61	5371	N	1		L	
EZC6	14253	29.44	5131	N	1	1.00	L	
EZD4	14198	100.64	5371	N	1	4.00	L	
EZD6	14199	100.64	5371	N	1	4.00	L	
EZG1	14250	21.09	5371	N	1	1.00	L	

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EZG1G	30110	25.86	5136	N	1	2.00	L	
EZGS1	14248	202.84	5371	N	1	17.00	L	
EZGS2	14249	202.84	5371	N	1	20.00	L	
EZH070	13702	524.85	5371	N	1	39.00	L	
EZH070A2	13725	564.72	5371	N	‡	41.00	L	
EZH070A2G	13797	585.61	5371	N	‡	42.00	L	
EZH070A3	13726	564.72	5371	N	‡	41.00	L	
EZH070A3G	13798	585.61	5371	N	‡	42.00	L	
EZH070B2	13727	637.86	5371	N	‡	44.00	L	
EZH070B2G	13799	658.76	5371	N	‡	45.00	L	
EZH070B3	13728	637.86	5371	N	‡	44.00	L	
EZH070B3G	13800	658.76	5371	N	‡	45.00	L	
EZH070D4	13729	624.60	5371	N	‡	43.00	L	
EZH070D4G	13801	645.78	5371	N	‡	44.00	L	
EZH070D5	13730	624.60	5371	N	‡	43.00	L	
EZH070D5G	13802	645.78	5371	N	‡	44.00	L	
EZH070E2	13731	603.76	5371	N	‡	43.00	L	
EZH070E2G	13803	614.87	5371	N	‡	44.00	L	
EZH070E3	13732	603.76	5371	N	‡	43.00	L	
EZH070E3G	13804	614.87	5371	N	‡	44.00	L	
EZH075	13703	524.85	5371	N	1	39.00	L	
EZH100	13704	524.85	5371	N	1	40.00	L	
EZH100A2	13741	564.72	5371	N	‡	42.00	L	
EZH100A2G	13813	585.61	5371	N	‡	43.00	L	
EZH100A3	13742	564.72	5371	N	‡	42.00	L	
EZH100A3G	13814	585.61	5371	N	‡	43.00	L	
EZH100B2	13743	637.86	5371	N	‡	45.00	L	
EZH100B2G	13815	658.76	5371	N	‡	46.00	L	
EZH100B3	13744	637.86	5371	N	‡	45.00	L	
EZH100B3G	13816	658.76	5371	N	‡	46.00	L	
EZH100D4	13745	624.60	5371	N	‡	44.00	L	
EZH100D4G	13817	645.78	5371	N	‡	45.00	L	
EZH100D5	13746	624.60	5371	N	‡	44.00	L	
EZH100D5G	13818	645.78	5371	N	‡	45.00	L	
EZH100E2	13747	603.76	5371	N	‡	44.00	L	
EZH100E2G	13819	614.87	5371	N	‡	45.00	L	
EZH100E3	13748	603.76	5371	N	‡	44.00	L	
EZH100E3G	13820	614.87	5371	N	‡	45.00	L	
EZH125	13705	524.85	5371	N	1	40.00	L	
EZH150	13706	524.85	5371	N	1	40.00	L	
EZH150	13707	524.85	5371	N	1	42.00	L	
EZH150A2	13765	564.72	5371	N	‡	44.00	L	
EZH150A2G	13837	585.61	5371	N	‡	45.00	L	
EZH150A3	13766	564.72	5371	N	‡	44.00	L	
EZH150A3G	13838	585.61	5371	N	‡	45.00	L	
EZH150B2	13767	637.86	5371	N	‡	47.00	L	
EZH150B2G	13839	658.76	5371	N	‡	48.00	L	
EZH150B3	13768	637.86	5371	N	‡	47.00	L	
EZH150B3G	13840	658.76	5371	N	‡	48.00	L	
EZH150D4	13769	624.60	5371	N	‡	46.00	L	
EZH150D4G	13841	645.78	5371	N	‡	47.00	L	
EZH150D5	13770	624.60	5371	N	‡	46.00	L	
EZH150D5G	13842	645.78	5371	N	‡	47.00	L	
EZH150E2	13771	603.76	5371	N	‡	46.00	L	
EZH150E2G	13843	614.87	5371	N	‡	47.00	L	
EZH150E3	13772	603.76	5371	N	‡	46.00	L	
EZH150E3G	13844	614.87	5371	N	‡	47.00	L	
EZH175	13708	524.85	5371	N	1	42.00	L	
EZH175	14220	524.85	5371	N	1	42.00	L	
EZH175A2	14564	564.72	5371	N	‡	44.00	L	
EZH175A2G	14020	585.61	5371	N	‡	45.00	L	
EZH175A3	14565	564.72	5371	N	‡	44.00	L	
EZH175A3G	14021	585.61	5371	N	‡	45.00	L	
EZH175B2	14566	637.86	5371	N	‡	47.00	L	
EZH175B2G	14116	658.76	5371	N	‡	48.00	L	

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EZH17083	14567	637.66	5371	N	‡	47.00	L	
EZH17083G	14117	650.76	5371	N	‡	48.00	L	
EZH17084	14568	624.69	5371	N	‡	46.00	L	
EZH17084G	14164	645.78	5371	N	‡	47.00	L	
EZH17085	14569	624.69	5371	N	‡	46.00	L	
EZH17085G	14165	645.78	5371	N	‡	47.00	L	
EZH17832	14570	593.78	5371	N	‡	46.00	L	
EZH17832G	14068	614.87	5371	N	‡	47.00	L	
EZH17833	14571	593.78	5371	N	‡	46.00	L	
EZH17833G	14069	614.87	5371	N	‡	47.00	L	
EZH175	14221	524.05	5371	N	1	42.00	L	
EZH175A2	14572	584.72	5371	N	‡	44.00	L	
EZH175A2G	14022	585.81	5371	N	‡	45.00	L	
EZH175A3	14573	584.72	5371	N	‡	44.00	L	
EZH175A3G	14023	585.81	5371	N	‡	45.00	L	
EZH17582	14574	637.66	5371	N	‡	47.00	L	
EZH17582G	14118	650.76	5371	N	‡	48.00	L	
EZH17583	14575	637.66	5371	N	‡	47.00	L	
EZH17583G	14119	650.76	5371	N	‡	48.00	L	
EZH17604	14576	624.69	5371	N	‡	46.00	L	
EZH17504G	14166	645.78	5371	N	‡	47.00	L	
EZH17505	14577	624.69	5371	N	‡	46.00	L	
EZH17505G	14167	645.78	5371	N	‡	47.00	L	
EZH17532	14578	593.78	5371	N	‡	46.00	L	
EZH17532G	14070	614.87	5371	N	‡	47.00	L	
EZH17533	14579	593.78	5371	N	‡	46.00	L	
EZH17533G	14071	614.87	5371	N	‡	47.00	L	
EZH176	14222	524.05	5371	N	1	42.00	L	
EZH178	14223	524.05	5371	N	1	42.00	L	
EZH250	14224	644.36	5371	N	1	45.00	L	
EZH256A2	14580	665.03	5371	N	‡	47.00	L	
EZH256A2G	14024	706.12	5371	N	‡	48.00	L	
EZH256A3	14581	665.03	5371	N	‡	47.00	L	
EZH256A3G	14025	706.12	5371	N	‡	48.00	L	
EZH25682	14582	757.97	5371	N	‡	50.00	L	
EZH25682G	14120	778.07	5371	N	‡	51.00	L	
EZH25683	14583	757.97	5371	N	‡	50.00	L	
EZH25683G	14121	778.07	5371	N	‡	51.00	L	
EZH25684	14584	745.08	5371	N	‡	49.00	L	
EZH25684G	14168	766.08	5371	N	‡	50.00	L	
EZH25685	14585	745.08	5371	N	‡	49.00	L	
EZH25685G	14169	766.08	5371	N	‡	50.00	L	
EZH25832	14586	714.08	5371	N	‡	49.00	L	
EZH25832G	14072	735.18	5371	N	‡	50.00	L	
EZH25833	14587	714.08	5371	N	‡	49.00	L	
EZH25833G	14073	735.18	5371	N	‡	50.00	L	
EZH255	14225	644.36	5371	N	1	45.00	L	
EZH255A2	14588	665.03	5371	N	‡	47.00	L	
EZH255A2G	14026	706.12	5371	N	‡	48.00	L	
EZH255A3	14589	665.03	5371	N	‡	47.00	L	
EZH255A3G	14027	706.12	5371	N	‡	48.00	L	
EZH25582	14590	757.97	5371	N	‡	50.00	L	
EZH25582G	14122	778.07	5371	N	‡	51.00	L	
EZH25583	14591	757.97	5371	N	‡	50.00	L	
EZH25583G	14123	778.07	5371	N	‡	51.00	L	
EZH25604	14592	745.08	5371	N	‡	49.00	L	
EZH25604G	14170	766.08	5371	N	‡	50.00	L	
EZH25605	14593	745.08	5371	N	‡	49.00	L	
EZH25605G	14171	766.08	5371	N	‡	50.00	L	
EZH25632	14594	714.08	5371	N	‡	49.00	L	
EZH25632G	14074	735.18	5371	N	‡	50.00	L	
EZH25633	14595	714.08	5371	N	‡	49.00	L	
EZH25633G	14075	735.18	5371	N	‡	50.00	L	
EZH256	14226	644.36	5371	N	1	45.00	L	
EZH258	14227	644.36	5371	N	1	45.00	L	

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EZH480	14228	694.50	5371	N	1	49.00	L	
EZH480A2	14596	736.25	5371	N	‡	51.00	L	
EZH480A2G	14028	788.41	5371	N	‡	56.00	L	
EZH480A3	14597	736.25	5371	N	‡	51.00	L	
EZH480A3G	14029	788.41	5371	N	‡	56.00	L	
EZH48082	14598	868.28	5371	N	‡	54.00	L	
EZH48082G	14124	852.36	5371	N	‡	59.00	L	
EZH48083	14599	868.28	5371	N	‡	54.00	L	
EZH48083G	14125	852.36	5371	N	‡	59.00	L	
EZH48084	14600	795.22	5371	N	‡	53.00	L	
EZH48084G	14172	816.36	5371	N	‡	58.00	L	
EZH48085	14601	795.22	5371	N	‡	53.00	L	
EZH48085G	14173	816.36	5371	N	‡	58.00	L	
EZH48532	14602	784.31	5371	N	‡	53.00	L	
EZH48532G	14076	788.47	5371	N	‡	58.00	L	
EZH48533	14603	784.31	5371	N	‡	53.00	L	
EZH48533G	14077	788.47	5371	N	‡	58.00	L	
EZH485	14229	694.50	5371	N	1	49.00	L	
EZH48582	14604	736.25	5371	N	‡	51.00	L	
EZH48582G	14030	788.41	5371	N	‡	56.00	L	
EZH48583	14605	736.25	5371	N	‡	51.00	L	
EZH48583G	14031	788.41	5371	N	‡	56.00	L	
EZH48682	14606	868.28	5371	N	‡	54.00	L	
EZH48682G	14126	852.36	5371	N	‡	59.00	L	
EZH48683	14607	868.28	5371	N	‡	54.00	L	
EZH48683G	14127	852.36	5371	N	‡	59.00	L	
EZH48684	14608	795.22	5371	N	‡	53.00	L	
EZH48684G	14174	816.36	5371	N	‡	58.00	L	
EZH48685	14609	795.22	5371	N	‡	53.00	L	
EZH48685G	14175	816.36	5371	N	‡	58.00	L	
EZH48732	14610	784.31	5371	N	‡	53.00	L	
EZH48732G	14078	788.47	5371	N	‡	58.00	L	
EZH48733	14611	784.31	5371	N	‡	53.00	L	
EZH48733G	14079	788.47	5371	N	‡	58.00	L	
EZH486	14230	694.50	5371	N	1	49.00	L	
EZH488	14231	694.50	5371	N	1	49.00	L	
EZHP488		736.25	5371	N	1	49.00	L	
EZH150	14232	430.05	5371	N	1	39.00	L	
EZH150A2	14612	470.73	5371	N	‡	41.00	L	
EZH150A2G	14032	481.82	5371	N	‡	42.00	L	
EZH150A3	14613	470.73	5371	N	‡	41.00	L	
EZH150A3G	14033	481.82	5371	N	‡	42.00	L	
EZH15082	14614	508.57	5371	N	‡	44.00	L	
EZH15082G	14128	514.77	5371	N	‡	45.00	L	
EZH15083	14615	508.57	5371	N	‡	44.00	L	
EZH15083G	14129	514.77	5371	N	‡	45.00	L	
EZH15084	14616	508.78	5371	N	‡	43.00	L	
EZH15084G	14176	651.78	5371	N	‡	44.00	L	
EZH15085	14617	508.78	5371	N	‡	43.00	L	
EZH15085G	14177	651.78	5371	N	‡	44.00	L	
EZH15632	14618	498.78	5371	N	‡	43.00	L	
EZH15632G	14080	503.86	5371	N	‡	44.00	L	
EZH15633	14619	498.78	5371	N	‡	43.00	L	
EZH15633G	14081	503.86	5371	N	‡	44.00	L	
EZH156	14233	430.05	5371	N	1	39.00	L	
EZH156A2	14620	470.73	5371	N	‡	41.00	L	
EZH156A2G	14034	481.82	5371	N	‡	42.00	L	
EZH156A3	14621	470.73	5371	N	‡	41.00	L	
EZH156A3G	14035	481.82	5371	N	‡	42.00	L	
EZH15682	14622	543.67	5371	N	‡	44.00	L	
EZH15682G	14130	564.77	5371	N	‡	45.00	L	
EZH15683	14623	543.67	5371	N	‡	44.00	L	
EZH15683G	14131	564.77	5371	N	‡	45.00	L	
EZH15684	14624	538.78	5371	N	‡	43.00	L	
EZH15684G	14178	651.78	5371	N	‡	44.00	L	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
EZM165D6	14625	530.70	5371	N	‡	43.00	L	
EZM165D6G	14179	551.79	5371	N	‡	44.00	L	
EZM165X2	14626	499.79	5371	N	‡	43.00	L	
EZM165X2G	14082	520.88	5371	N	‡	44.00	L	
EZM165X3	14627	499.79	5371	N	‡	43.00	L	
EZM165X3G	14083	520.88	5371	N	‡	44.00	L	
EZM166	14234	430.06	5371	N	1	39.00	L	
EZM168	14235	430.06	5371	N	1	39.00	L	
EZM170	14236	447.99	5371	N	1	40.00	L	
EZM170A2	14628	468.65	5371	N	‡	42.00	L	
EZM170A2G	14036	509.74	5371	N	‡	43.00	L	
EZM170A3	14629	468.65	5371	N	‡	42.00	L	
EZM170A3G	14037	509.74	5371	N	‡	43.00	L	
EZM170D2	14630	561.60	5371	N	‡	45.00	L	
EZM170D2G	14132	582.69	5371	N	‡	46.00	L	
EZM170D3	14631	561.60	5371	N	‡	45.00	L	
EZM170D3G	14133	582.69	5371	N	‡	46.00	L	
EZM170D4	14632	548.62	5371	N	‡	44.00	L	
EZM170D4G	14180	569.72	5371	N	‡	45.00	L	
EZM170D5	14633	548.62	5371	N	‡	44.00	L	
EZM170D6G	14181	569.72	5371	N	‡	45.00	L	
EZM170X2	14634	517.71	5371	N	‡	44.00	L	
EZM170X2G	14084	538.81	5371	N	‡	45.00	L	
EZM170X3	14635	517.71	5371	N	‡	44.00	L	
EZM170X3G	14085	538.81	5371	N	‡	45.00	L	
EZM175	14237	447.99	5371	N	1	40.00	L	
EZM175A2	14636	468.65	5371	N	‡	41.00	L	
EZM175A2G	14038	509.74	5371	N	‡	43.00	L	
EZM175A3	14637	468.65	5371	N	‡	41.00	L	
EZM175A3G	14039	509.74	5371	N	‡	43.00	L	
EZM175D2	14638	561.60	5371	N	‡	45.00	L	
EZM175D2G	14134	582.69	5371	N	‡	46.00	L	
EZM175D3	14639	561.60	5371	N	‡	45.00	L	
EZM175D3G	14135	582.69	5371	N	‡	46.00	L	
EZM175D4	14640	548.62	5371	N	‡	44.00	L	
EZM175D4G	14182	569.72	5371	N	‡	45.00	L	
EZM175D5	14641	548.62	5371	N	‡	44.00	L	
EZM175D6G	14183	569.72	5371	N	‡	45.00	L	
EZM175X2	14642	517.71	5371	N	‡	44.00	L	
EZM175X2G	14086	538.81	5371	N	‡	45.00	L	
EZM175X3	14643	517.71	5371	N	‡	44.00	L	
EZM175X3G	14087	538.81	5371	N	‡	45.00	L	
EZM176	14238	447.99	5371	N	1	40.00	L	
EZM178	14239	447.99	5371	N	1	40.00	L	
EZM250	14240	426.87	5371	N	1	41.00	L	
EZM250A2	14644	527.53	5371	N	‡	43.00	L	
EZM250A2G	14040	548.62	5371	N	‡	44.00	L	
EZM250A3	14645	527.53	5371	N	‡	43.00	L	
EZM250A3G	14041	548.62	5371	N	‡	44.00	L	
EZM250D2	14646	608.48	5371	N	‡	46.00	L	
EZM250D2G	14136	621.57	5371	N	‡	47.00	L	
EZM250D3	14647	608.48	5371	N	‡	46.00	L	
EZM250D3G	14137	621.57	5371	N	‡	47.00	L	
EZM250D4	14648	587.51	5371	N	‡	45.00	L	
EZM250D4G	14184	608.60	5371	N	‡	46.00	L	
EZM250D5	14649	587.51	5371	N	‡	45.00	L	
EZM250D5G	14185	608.60	5371	N	‡	46.00	L	
EZM250X2	14650	556.60	5371	N	‡	45.00	L	
EZM250X2G	14088	577.69	5371	N	‡	46.00	L	
EZM250X3	14651	556.60	5371	N	‡	45.00	L	
EZM250X3G	14089	577.69	5371	N	‡	46.00	L	
EZM255	14241	496.87	5371	N	1	41.00	L	
EZM255A2	14652	527.53	5371	N	‡	43.00	L	
EZM255A2G	14042	548.62	5371	N	‡	44.00	L	
EZM255A3	14653	527.53	5371	N	‡	43.00	L	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
EZM255A3G	14043	548.62	5371	N	‡	44.00	L	
EZM255B2	14654	600.48	5371	N	‡	46.00	L	
EZM255B2G	14138	621.57	5371	N	‡	47.00	L	
EZM255B3	14655	600.48	5371	N	‡	46.00	L	
EZM255B3G	14139	621.57	5371	N	‡	47.00	L	
EZM255D4	14656	587.51	5371	N	‡	45.00	L	
EZM255D4G	14186	608.60	5371	N	‡	46.00	L	
EZM255D5	14657	587.51	5371	N	‡	45.00	L	
EZM255D5G	14187	608.60	5371	N	‡	46.00	L	
EZM255X2	14658	556.60	5371	N	‡	45.00	L	
EZM255X2G	14090	577.69	5371	N	‡	46.00	L	
EZM255X3	14659	556.60	5371	N	‡	45.00	L	
EZM255X3G	14091	577.69	5371	N	‡	46.00	L	
EZM256	14242	496.87	5371	N	1	41.00	L	
EZM256	14243	496.87	5371	N	1	41.00	L	
EZM400	14244	606.26	5371	N	1	49.00	L	
EZM400A2	14660	626.36	5371	N	‡	51.00	L	
EZM400A2G	14044	781.02	5371	N	‡	56.00	L	
EZM400A3	14661	626.36	5371	N	‡	51.00	L	
EZM400A3G	14045	781.02	5371	N	‡	56.00	L	
EZM400B2	14662	669.81	5371	N	‡	54.00	L	
EZM400B2G	14140	770.57	5371	N	‡	59.00	L	
EZM400B3	14663	706.91	5371	N	‡	54.00	L	
EZM400B3G	14141	770.57	5371	N	‡	59.00	L	
EZM400D4	14664	706.84	5371	N	‡	53.00	L	
EZM400D4G	14188	781.06	5371	N	‡	58.00	L	
EZM400D5	14665	706.91	5371	N	‡	53.00	L	
EZM400D5G	14189	781.06	5371	N	‡	58.00	L	
EZM400D6	14666	706.53	5371	N	‡	53.00	L	
EZM400D6G	14092	780.08	5371	N	‡	58.00	L	
EZM400X2	14667	706.53	5371	N	‡	53.00	L	
EZM400X2G	14093	780.08	5371	N	‡	58.00	L	
EZM405	14245	606.26	5371	N	1	49.00	L	
EZM405A2	14668	626.36	5371	N	‡	51.00	L	
EZM405A2G	14046	781.02	5371	N	‡	56.00	L	
EZM405A3	14669	626.36	5371	N	‡	51.00	L	
EZM405A3G	14047	781.02	5371	N	‡	56.00	L	
EZM405B2	14670	706.91	5371	N	‡	54.00	L	
EZM405B2G	14142	770.57	5371	N	‡	59.00	L	
EZM405B3	14671	706.91	5371	N	‡	54.00	L	
EZM405B3G	14143	770.57	5371	N	‡	59.00	L	
EZM405D4	14672	706.84	5371	N	‡	53.00	L	
EZM405D4G	14190	781.06	5371	N	‡	58.00	L	
EZM405D5	14673	706.84	5371	N	‡	53.00	L	
EZM405D5G	14191	781.06	5371	N	‡	58.00	L	
EZM405D6	14674	706.53	5371	N	‡	53.00	L	
EZM405D6G	14094	780.08	5371	N	‡	58.00	L	
EZM405X2	14675	706.53	5371	N	‡	53.00	L	
EZM405X2G	14095	780.08	5371	N	‡	58.00	L	
EZM406	14246	606.26	5371	N	1	49.00	L	
EZM408	14247	626.36	5371	N	1	49.00	L	
EZM5	13700	572.91	5371	N	‡	38.00	L	
EZM5A2	13709	613.48	5371	N	‡	40.00	L	
EZM5A2G	13781	634.57	5371	N	‡	41.00	L	
EZM5A3	13710	613.48	5371	N	‡	40.00	L	
EZM5A3G	13782	634.57	5371	N	‡	41.00	L	
EZM5B2	13711	655.62	5371	N	‡	43.00	L	
EZM5B2G	13783	787.32	5371	N	‡	44.00	L	
EZM5B3	13712	655.62	5371	N	‡	43.00	L	
EZM5B3G	13784	787.32	5371	N	‡	44.00	L	
EZM5D4	13713	673.45	5371	N	‡	42.00	L	
EZM5D4G	13785	694.54	5371	N	‡	43.00	L	
EZM5D5	13714	673.45	5371	N	‡	42.00	L	
EZM5D5G	13786	694.54	5371	N	‡	43.00	L	
EZM5D6	13715	642.54	5371	N	‡	42.00	L	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
EZS050X26	13787	688.83	5371	N	‡	43.00	L	
EZS050X3	13716	642.54	5371	N	‡	42.00	L	
EZS050X36	13788	688.83	5371	N	‡	43.00	L	
EZS050	13701	572.81	5371	N	1	38.00	L	
EZS050A2	13717	618.48	5371	N	‡	40.00	L	
EZS050A26	13789	634.57	5371	N	‡	41.00	L	
EZS050A3	13718	618.48	5371	N	‡	40.00	L	
EZS050A36	13790	634.57	5371	N	‡	41.00	L	
EZS055X2	13719	665.42	5371	N	‡	43.00	L	
EZS055X26	13791	707.52	5371	N	‡	44.00	L	
EZS055X3	13720	665.42	5371	N	‡	43.00	L	
EZS055X36	13792	707.52	5371	N	‡	44.00	L	
EZS055A2	13721	673.45	5371	N	‡	42.00	L	
EZS055A26	13793	694.94	5371	N	‡	43.00	L	
EZS055A3	13722	673.45	5371	N	‡	42.00	L	
EZS055A36	13794	694.94	5371	N	‡	43.00	L	
EZS055X2	13723	642.54	5371	N	‡	42.00	L	
EZS055X26	13795	683.03	5371	N	‡	43.00	L	
EZS055X3	13724	642.54	5371	N	‡	42.00	L	
EZS055X36	13796	683.03	5371	N	‡	43.00	L	
EZS070	14200	573.81	5371	N	1	39.00	L	
EZS070A2	14676	618.48	5371	N	‡	41.00	L	
EZS070A26	14000	634.57	5371	N	‡	42.00	L	
EZS070A3	14677	618.48	5371	N	‡	41.00	L	
EZS070A36	14001	634.57	5371	N	‡	42.00	L	
EZS070X2	14678	665.42	5371	N	‡	44.00	L	
EZS070X26	14096	707.52	5371	N	‡	45.00	L	
EZS070X3	14679	665.42	5371	N	‡	44.00	L	
EZS070X36	14097	707.52	5371	N	‡	45.00	L	
EZS070X4	14680	673.45	5371	N	‡	43.00	L	
EZS070X46	14144	694.94	5371	N	‡	44.00	L	
EZS070X5	14681	673.45	5371	N	‡	43.00	L	
EZS070X56	14145	694.94	5371	N	‡	44.00	L	
EZS070X7	14682	642.54	5371	N	‡	43.00	L	
EZS070X76	14048	683.03	5371	N	‡	44.00	L	
EZS070X8	14683	642.54	5371	N	‡	43.00	L	
EZS070X86	14049	683.03	5371	N	‡	44.00	L	
EZS075	14201	572.81	5371	N	1	39.00	L	
EZS075A2	14684	618.48	5371	N	‡	41.00	L	
EZS075A26	14002	634.57	5371	N	‡	42.00	L	
EZS075X2	14685	618.48	5371	N	‡	41.00	L	
EZS075A36	14003	634.57	5371	N	‡	42.00	L	
EZS075X3	14686	665.42	5371	N	‡	44.00	L	
EZS075X36	14098	707.52	5371	N	‡	45.00	L	
EZS075X4	14687	665.42	5371	N	‡	44.00	L	
EZS075X56	14099	707.52	5371	N	‡	45.00	L	
EZS075A4	14688	673.45	5371	N	‡	43.00	L	
EZS075X46	14146	694.94	5371	N	‡	44.00	L	
EZS075A5	14689	673.45	5371	N	‡	43.00	L	
EZS075X56	14147	694.94	5371	N	‡	44.00	L	
EZS075X7	14690	642.54	5371	N	‡	43.00	L	
EZS075X76	14050	683.03	5371	N	‡	44.00	L	
EZS075X8	14691	642.54	5371	N	‡	43.00	L	
EZS075X86	14051	683.03	5371	N	‡	44.00	L	
EZS079	14202	572.81	5371	N	1	39.00	L	
EZS079	14203	572.81	5371	N	1	39.00	L	
EZS100	14204	595.49	5371	N	1	40.00	L	
EZS100A2	14692	636.15	5371	N	‡	42.00	L	
EZS100A26	14004	657.24	5371	N	‡	43.00	L	
EZS100A3	14693	636.15	5371	N	‡	42.00	L	
EZS100A36	14005	657.24	5371	N	‡	43.00	L	
EZS100X2	14694	706.10	5371	N	‡	45.00	L	
EZS100X26	14100	730.19	5371	N	‡	46.00	L	
EZS100X3	14695	706.10	5371	N	‡	45.00	L	
EZS100X36	14101	730.19	5371	N	‡	46.00	L	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
EZS100X4	14696	696.12	5371	N	‡	44.00	L	
EZS100A4	14148	717.22	5371	N	‡	45.00	L	
EZS100X5	14697	696.12	5371	N	‡	44.00	L	
EZS100X56	14149	717.22	5371	N	‡	45.00	L	
EZS100X7	14698	685.21	5371	N	‡	44.00	L	
EZS100X76	14052	686.31	5371	N	‡	45.00	L	
EZS100X8	14699	685.21	5371	N	‡	44.00	L	
EZS100X86	14053	686.31	5371	N	‡	45.00	L	
EZS105	14205	595.49	5371	N	1	40.00	L	
EZS105A2	14700	636.15	5371	N	‡	42.00	L	
EZS105A26	14006	657.24	5371	N	‡	43.00	L	
EZS105A3	14701	636.15	5371	N	‡	42.00	L	
EZS105A36	14007	657.24	5371	N	‡	43.00	L	
EZS105X2	14702	706.10	5371	N	‡	45.00	L	
EZS105X26	14102	730.19	5371	N	‡	46.00	L	
EZS105X3	14703	706.10	5371	N	‡	45.00	L	
EZS105X36	14103	730.19	5371	N	‡	46.00	L	
EZS105X4	14704	696.12	5371	N	‡	44.00	L	
EZS105A46	14150	717.22	5371	N	‡	45.00	L	
EZS105X5	14705	696.12	5371	N	‡	44.00	L	
EZS105X56	14151	717.22	5371	N	‡	45.00	L	
EZS105X7	14706	685.21	5371	N	‡	44.00	L	
EZS105X76	14054	686.31	5371	N	‡	45.00	L	
EZS105X8	14707	685.21	5371	N	‡	44.00	L	
EZS105X86	14055	686.31	5371	N	‡	45.00	L	
EZS106	14206	595.49	5371	N	1	40.00	L	
EZS109	14207	595.49	5371	N	1	40.00	L	
EZS150	14208	616.70	5371	N	1	41.00	L	
EZS150X2	14708	657.30	5371	N	‡	43.00	L	
EZS150A26	14008	678.40	5371	N	‡	44.00	L	
EZS150A3	14709	657.30	5371	N	‡	43.00	L	
EZS150A36	14009	678.40	5371	N	‡	44.00	L	
EZS150X3	14710	708.31	5371	N	‡	46.00	L	
EZS150X36	14104	731.40	5371	N	‡	47.00	L	
EZS150X4	14711	708.31	5371	N	‡	46.00	L	
EZS150X46	14105	731.40	5371	N	‡	47.00	L	
EZS150A4	14712	717.33	5371	N	‡	45.00	L	
EZS150A46	14152	738.43	5371	N	‡	46.00	L	
EZS150X5	14713	717.33	5371	N	‡	45.00	L	
EZS150X56	14153	738.43	5371	N	‡	46.00	L	
EZS150X6	14714	696.42	5371	N	‡	45.00	L	
EZS150X66	14056	707.52	5371	N	‡	46.00	L	
EZS150X7	14715	696.42	5371	N	‡	45.00	L	
EZS150X76	14057	707.52	5371	N	‡	46.00	L	
EZS155	14209	616.70	5371	N	1	41.00	L	
EZS155A2	14716	657.30	5371	N	‡	43.00	L	
EZS155A26	14010	678.40	5371	N	‡	44.00	L	
EZS155A3	14717	657.30	5371	N	‡	43.00	L	
EZS155A36	14011	678.40	5371	N	‡	44.00	L	
EZS155X2	14718	708.31	5371	N	‡	46.00	L	
EZS155X26	14106	731.40	5371	N	‡	47.00	L	
EZS155X3	14719	708.31	5371	N	‡	46.00	L	
EZS155X36	14107	731.40	5371	N	‡	47.00	L	
EZS155A4	14720	717.33	5371	N	‡	45.00	L	
EZS155A46	14154	738.43	5371	N	‡	46.00	L	
EZS155X5	14721	717.33	5371	N	‡	45.00	L	
EZS155X56	14155	738.43	5371	N	‡	46.00	L	
EZS155X2	14722	696.42	5371	N	‡	45.00	L	
EZS155X26	14058	707.52	5371	N	‡	46.00	L	
EZS155X3	14723	696.42	5371	N	‡	45.00	L	
EZS155X36	14059	707.52	5371	N	‡	46.00	L	
EZS156	14210	616.70	5371	N	1	41.00	L	
EZS158	14211	616.70	5371	N	1	41.00	L	
EZS250	14212	693.01	5371	N	1	48.00	L	
EZS250A2	14724	733.67	5371	N	‡	50.00	L	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
EZ5259A26	14012	757.83	5371	N	‡	55.00	L	
EZ5259A3	14725	733.87	5371	N	‡	50.00	L	
EZ5259A36	14013	757.83	5371	N	‡	55.00	L	
EZ5259B2	14726	805.82	5371	N	‡	53.00	L	
EZ5259B26	14108	838.78	5371	N	‡	58.00	L	
EZ5259B3	14727	805.82	5371	N	‡	53.00	L	
EZ5259B36	14109	838.78	5371	N	‡	58.00	L	
EZ5259C4	14728	789.84	5371	N	‡	52.00	L	
EZ5259C46	14156	817.80	5371	N	‡	57.00	L	
EZ5259C6	14729	789.84	5371	N	‡	52.00	L	
EZ5259C66	14157	817.80	5371	N	‡	57.00	L	
EZ5259D2	14730	782.73	5371	N	‡	52.00	L	
EZ5259D26	14060	798.93	5371	N	‡	57.00	L	
EZ5259D3	14731	782.73	5371	N	‡	52.00	L	
EZ5259D36	14061	798.69	5371	N	‡	57.00	L	
EZ5259E	14213	885.91	5371	N	1	48.00	L	
EZ5259E42	14732	733.87	5371	N	‡	50.00	L	
EZ5259A26	14014	757.83	5371	N	‡	55.00	L	
EZ5259A3	14733	733.87	5371	N	‡	50.00	L	
EZ5259A36	14015	757.83	5371	N	‡	55.00	L	
EZ5259B2	14734	805.82	5371	N	‡	53.00	L	
EZ5259B26	14110	838.78	5371	N	‡	58.00	L	
EZ5259B3	14735	805.82	5371	N	‡	53.00	L	
EZ5259B36	14111	838.78	5371	N	‡	58.00	L	
EZ5259C4	14736	789.84	5371	N	‡	52.00	L	
EZ5259C46	14158	817.80	5371	N	‡	57.00	L	
EZ5259C6	14737	789.84	5371	N	‡	52.00	L	
EZ5259C66	14159	817.80	5371	N	‡	57.00	L	
EZ5259D2	14738	782.73	5371	N	‡	52.00	L	
EZ5259D26	14062	798.93	5371	N	‡	57.00	L	
EZ5259D3	14739	782.73	5371	N	‡	52.00	L	
EZ5259D36	14063	798.93	5371	N	‡	57.00	L	
EZ5259	14214	885.91	5371	N	1	48.00	L	
EZ5259	14215	885.91	5371	N	1	48.00	L	
EZ5259	14216	812.85	5371	N	1	49.00	L	
EZ5460A2	14740	863.48	5371	N	‡	51.00	L	
EZ5460A26	14016	877.05	5371	N	‡	56.00	L	
EZ5460A3	14741	863.48	5371	N	‡	51.00	L	
EZ5460A36	14017	877.05	5371	N	‡	56.00	L	
EZ5460B2	14742	925.44	5371	N	‡	54.00	L	
EZ5460B26	14112	958.00	5371	N	‡	59.00	L	
EZ5460B3	14743	925.44	5371	N	‡	54.00	L	
EZ5460B36	14113	958.00	5371	N	‡	59.00	L	
EZ5460C4	14744	913.47	5371	N	‡	53.00	L	
EZ5460C46	14160	937.02	5371	N	‡	58.00	L	
EZ5460C6	14745	913.47	5371	N	‡	53.00	L	
EZ5460C66	14161	937.02	5371	N	‡	58.00	L	
EZ5460D2	14746	902.96	5371	N	‡	53.00	L	
EZ5460D26	14064	906.71	5371	N	‡	58.00	L	
EZ5460D3	14747	902.96	5371	N	‡	53.00	L	
EZ5460D36	14065	906.71	5371	N	‡	58.00	L	
EZ5465	14217	812.85	5371	N	1	49.00	L	
EZ5465A2	14748	863.48	5371	N	‡	51.00	L	
EZ5465A26	14018	877.05	5371	N	‡	56.00	L	
EZ5465A3	14749	863.48	5371	N	‡	51.00	L	
EZ5465A36	14019	877.05	5371	N	‡	56.00	L	
EZ5465B2	14750	925.44	5371	N	‡	54.00	L	
EZ5465B26	14114	958.00	5371	N	‡	59.00	L	
EZ5465B3	14751	925.44	5371	N	‡	54.00	L	
EZ5465B36	14115	958.00	5371	N	‡	59.00	L	
EZ5465C4	14752	913.47	5371	N	‡	53.00	L	
EZ5465C46	14162	937.02	5371	N	‡	58.00	L	
EZ5465C6	14753	913.47	5371	N	‡	53.00	L	
EZ5465C66	14163	937.02	5371	N	‡	58.00	L	
EZ5465D2	14754	902.96	5371	N	‡	53.00	L	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
EZ5465D26	14066	906.71	5371	N	‡	58.00	L	
EZ5465D3	14755	882.56	5371	N	‡	53.00	L	
EZ5465D36	14067	906.71	5371	N	‡	58.00	L	
EZ5466	14218	812.85	5371	N	1	49.00	L	
EZ5466	14219	812.85	5371	N	1	49.00	L	
EZ10	14252	22.13	5371	N	1	0.50	L	
EZX2	14194	88.73	5371	N	1	4.00	L	
EZX3	14195	88.73	5371	N	1	4.00	L	
1FA	12001	2.31	15381	A	10	0.07	F	
1FAC	04843	2.31	15382	A	10	0.07	F	Å
1FB	13000	1.96	15381	A	10	0.08	F	
1FBC	04842	1.96	15382	A	10	0.08	F	Å
2FA	12003	3.85	15381	A	5	0.10	F	
2FAC	04840	3.85	15382	A	5	0.10	F	Å
2FB	13012	2.68	15381	A	5	0.09	F	
2FBC	04844	2.92	15382	A	5	0.10	F	Å
3FA	12005	5.48	15381	B	10/50	0.13	F	
3FB	13013	4.48	15381	B	10/50	0.17	F	
FB-107	13010	194.81	15591	C	1	16.00	F	
FB-714	13001	4.28	15591	B	5	0.26	F	
FB-724	13002	4.96	15591	B	5/25	0.32	F	
FB-734	13003	6.81	15591	B	5	0.58	F	
FB-745	13004	8.84	15591	C	2/10	0.70	F	
FB-766	13006	23.81	15591	B	1/5	1.90	F	
FB-787	13008	104.74	15591	C	1	5.50	F	
FCLA	13110	13.23	15381	A	1	0.48	F	
FCLB	13124	14.88	15381	A	1	0.48	F	
FCL-GF	13100	16.58	15381	B	1	0.54	F	
FCLM	13136	14.88	15381	A	1	0.48	F	
FCLR	13138	14.88	15381	A	1	0.48	F	
FCLR	13146	14.42	15381	A	1	0.48	F	
FCLT	13150	14.42	15381	A	1	0.48	F	
FCL-VR	13151	1.93	15381	A	100		F	
FD-1	15001	9.86	15381	A	5	1.00	F	
FD-1L	15050	13.64	15381	B	1	1.20	F	
FD-1LM	04856	13.64	15382	B	1	3.00	F	Å
FD-1M	04853	9.86	15382	A	1	3.00	F	
FD-2	15002	18.68	15381	A	5	0.90	F	
FD-2L	15051	14.26	15381	B	1	1.20	F	
FD-2LM	04857	14.26	15382	B	1	2.70	F	Å
FD-2M	04854	18.68	15382	A	1	2.70	F	Å
FD-3	15003	18.68	15381	A	5	0.80	F	
FD-3M	04855	11.66	15382	A	1	2.40	F	Å
2FD	15052	22.33	15381	C	5	2.40	F	
2FD-1	15004	17.76	15381	A	1	1.50	F	
2FD-1M	04858	11.22	15382	A	1	4.50	F	Å
2FD-2	15005	18.64	15381	A	1	1.50	F	
2FD-2M	04859	12.18	15382	A	1	4.50	F	Å
3FD	15058	31.46	15381	C	6	2.75	F	
3FD-2	15060	34.46	15381	C	5	2.64	F	
3FD-3	15061	35.53	15381	C	5	2.60	F	
FDC-2	15068	12.18	15381	A	1	1.10	F	
FDC-1	15007	11.22	15381	A	5	1.00	F	
FDC-1L	15053	14.26	15381	B	1	1.40	F	
FDC-1LM	04863	13.64	15382	B	1	3.00	F	Å
FDC-1M	04860	11.22	15382	A	1	3.00	F	Å
FDC-2	15008	12.18	15381	A	5	0.90	F	
FDC-2L	15054	16.27	15381	B	1	1.30	F	
FDC-2LM	04864	14.26	15382	B	1	2.70	F	Å
FDC-2M	04861	12.18	15382	A	1	2.70	F	Å
FDC-3	15009	14.26	15381	A	5	0.90	F	
FDC-3M	04862	14.26	15382	A	1	2.70	F	Å
FDCC-1M	04867	15.47	15382	B	1	3.00	F	Å
FDCC-2	15071	18.12	15381	B	5	1.00	F	
FDCC-2M	04868	18.12	15382	B	1	3.00	F	Å

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
FDCT-3	15074	20.39	15381	B	1	1.10	F	
FDQ	15081	15.50	15381	B	1	1.80	F	
2FDC-1	15010	20.80	15381	B	1	1.70	F	
2FDC-1M	04865	20.80	15382	B	1	2.70	F	Å
2FDC-2	15011	21.63	15381	B	1	1.60	F	
2FDC-2M	04866	21.63	15382	B	1	4.80	F	Å
2FDQ	15082	30.23	15381	B	5	2.83	F	
3FDQ	15083	45.42	15381	C	4	4.13	F	
4FDQ	15084	52.53	15381	C	1/2	5.00	F	
FF-45-1	17001	5.04	16150	B	20/100	0.16	F	
FF-45-1M	17026	5.33	16151	B	20	9.30	F	
FF-45-2	17002	5.03	16150	B	10	0.23	F	
FF-45-2M	17027	6.17	16151	B	10	6.90	F	
FF-45-3	17012	10.50	16150	C	1		F	
FF-45-3M	17028	11.11	16151	C	5	6.60	F	
FF-45-6	17013	23.31	16150	C	1	1.00	F	
FF-45-6M	17029	24.67	16151	C	1	3.30	F	
FF-90-1	17003	5.04	16150	A	20/100	0.16	F	
FF-90-1M	17023	5.33	16151	A	20	9.30	F	
FF-90-2	17004	5.03	16150	A	10/50	0.23	F	
FF-90-2M	17024	5.94	16151	A	10	6.90	F	
FF-90-3	17010	7.14	16150	A	5/25	0.44	F	
FF-90-3M	17025	7.56	16151	A	5	6.60	F	
1FG	17020	2.31	15381	A	10	0.07	F	
1FGC	04846	2.31	15382	A	10	0.07	F	Å
2FG	17021	3.85	15381	B	5	0.10	F	
2FGC	04847	3.85	15382	B	5	0.10	F	Å
FH-2	17051	7.23	5901	B	5/25	0.24	L	
FHC-11	17058	19.59	5901	B	5/25	0.86	L	
FHC-12	17059	19.59	5901	B	5/25	0.86	L	
FHC-21	17060	19.59	5901	B	5/25	0.86	L	
FHC-22	17061	19.59	5901	B	5/25	0.86	L	
FHT-21	17074	26.87	5901	C	5/25	0.86	L	
FHT-22	17075	26.87	5901	C	5/25	0.86	L	
FKA-11	17090	16.49	5901	C	5/25	0.40	L	
FKA-12	17091	16.49	5901	C	5/25	0.40	L	
FKA-22	17093	15.79	5901	C	5/25	0.40	L	
FKB FUSE KIT	10123	18.54	5901	N	1	1.00	L	
1FK-10	17082	22.21	5371	N	1	1.00	L	
1FK-5	17080	22.21	5371	N	1	1.00	L	
1FK-8	17081	22.21	5371	N	1	1.00	L	
2FK-5	17083	28.55	5371	N	1	1.00	L	
2FK-8	17084	28.55	5371	N	1	1.00	L	
1FR	17500	2.31	15381	B	10	0.07	F	
1FRC	04848	2.31	15382	A	10	0.07	F	Å
2FR	17501	3.85	15381	B	5	0.10	F	
2FRC	04849	3.85	15382	A	5	0.10	F	Å
FS-1	19001	8.54	15381	A	5/25	0.68	F	
FS-1L	19000	8.03	15381	A	5/25	0.70	F	
FS-1LM	04877	9.69	15382	A	1	2.10	F	Å
FS-1M	04871	8.54	15382	A	1	2.00	F	
FS-2	19002	9.11	15381	A	5/25	0.66	F	
FS-2L	19200	10.97	15381	B	5/25	0.70	F	
FS-2LM	04878	10.97	15382	B	1	2.10	F	
FS-2M	04872	9.11	15382	A	1	2.00	F	
FS-3	19003	9.69	15381	A	5/25	0.72	F	
FS-3M	04873	9.69	15382	A	1	3.00	F	Å
2FS	19202	18.90	15381	C	10	1.70	F	
2FS-1	19004	15.50	15381	A	2	1.05	F	
2FS-1M	04874	15.50	15382	A	1	3.00	F	Å
2FS-2	19005	15.95	15381	A	2	1.05	F	
2FS-2M	04875	15.95	15382	A	1	3.20	F	Å
2FS-3M	04876	17.39	15382	A	1	3.30	F	Å
3FS	19204	24.72	15381	C	10	2.00	F	
2FSBC	19014	6.18	15381	A	5	0.36	F	

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FSA-1	19010	9.52	15381	B	5/25	0.60	F	
FSA-2	19011	9.68	15381	B	5/25	0.60	F	
FSBC	19013	3.39	15381	A	5	0.24	F	
FSBCM	04869	3.39	15382	A	5	0.50	F	
2FSBCM	04870	10.85	15382	A	5	0.62	F	Å
3FSBC	19015	9.52	15381	B	5/25	0.56	F	
FSC-1	19017	9.52	15381	A	5/25	0.68	F	
FSC-1L	19222	10.48	15381	B	5/25	0.76	F	
FSC-1LM	04884	9.68	15382	B	1	2.30	F	Å
FSC-1M	04879	9.52	15382	A	1	2.00	F	Å
FSC-2	19018	10.00	15381	A	5/25	0.66	F	
FSC-2L	19224	12.53	15381	B	5/25	0.72	F	
FSC-2LM	04885	10.97	15382	B	1	2.20	F	Å
FSC-2M	04880	10.05	15382	A	1	2.00	F	
FSC-3	19019	12.82	15381	A	5/25	0.84	F	
FSC-3M	04881	12.82	15382	A	1	2.50	F	Å
2FSC-1	19020	16.27	15381	B	2	1.10	F	
2FSC-1M	04882	16.27	15382	A	1	3.30	F	Å
2FSC-2	19021	17.00	15381	B	2	1.05	F	
2FSC-2M	04883	17.00	15382	A	1	3.20	F	Å
2FSC-3	19022	21.03	15381	B	2	1.15	F	
3FSC-1	19023	25.00	15381	B	10	1.50	F	
3FSC-2	19024	26.47	15381	B	10	1.45	F	
FSCA-1M	04886	9.06	15382	B	1	2.90	F	Å
FSCA-2M	04887	10.57	15382	B	1	3.00	F	Å
FSCC-1	19058	11.06	15381	A	5/25	0.76	F	
FSCC-1M	04888	11.56	15382	A	1	2.30	F	Å
FSCC-2	19059	15.00	15381	A	5/25	0.72	F	
FSCC-2M	04889	16.13	15382	A	1	2.20	F	
FSCT-1	19026	12.20	15381	A	5/25	0.82	F	
FSCT-1M	04890	12.82	15382	A	1	2.50	F	Å
FSCT-2	19027	15.14	15381	A	5/25	0.74	F	
FSCT-2M	04891	16.14	15382	A	1	2.20	F	Å
2FSD-1	19067	28.13	15381	C	2	1.15	F	
2FSD-2	19236	28.00	15381	C	2	1.15	F	
FSL-1	19028	9.52	15381	B	5/25	0.74	F	
FSL-1M	04892	9.52	15382	B	1	2.20	F	Å
FSL-2	19029	10.56	15381	B	5/25	0.72	F	
FSL-2M	04893	10.56	15382	B	1	2.20	F	Å
FSLN-1	19031	10.56	15381	B	5/25	0.72	F	
FSLN-2	19032	11.56	15381	B	5/25	0.68	F	
FSPT	19040	28.46	15381	A	5	0.54	F	
FSQ	19260	10.86	15381	B	5/25	1.24	F	
2FSQ	19262	21.63	15381	B	8	2.19	F	
3FSQ	19264	30.65	15381	C	6	2.83	F	
FSR-1	19061	10.50	15381	B	5/25	0.76	F	
FSR-1M	04852	10.50	15382	B	1	2.30	F	Å
FSR-2	19062	11.56	15381	B	5/25	0.72	F	
FSR-2M	04894	11.56	15382	B	1	2.20	F	Å
FSRG	19042	1.33	15381	A	20	0.08	F	
2FSRB	19043	2.36	15381	A	20	0.10	F	
3FSRG	19044	3.40	15381	C	5/25	0.16	F	
2FST	19048	34.71	15381	B	5	0.72	F	
3FST	19352	46.96	15381	B	2/10	1.00	F	
FSS-1	19055	9.52	15381	A	5/25	0.70	F	
FSS-1M	04895	9.52	15382	A	1	2.10	F	Å
FSS-2	19056	10.66	15381	A	5/25	0.66	F	
FSS-2M	04896	10.66	15382	A	1	2.00	F	Å
FST	19057	28.39	15381	A	5	0.34	F	
FST-1M	04897	9.52	15382	A	1	3.00	F	Å
FST-2	19046	15.95	15381	A	1	1.20	F	
FST-2M	04898	15.95	15382	A	1	3.60	F	Å
FSTG	19070	4.63	15381	C	5/25	0.42	F	
FSX-1	19071	14.78	15381	A	4/20	0.88	F	
FSX-1M	04899	14.78	15382	A	1	2.60	F	Å

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FSX-2	19072	17.76	15381	B	4/20	0.84	F	
FSX-2M	04900	17.76	15382	B	1	2.50	F	Å
1FT	19150	2.31	15381	A	10	0.08	F	
1FTC	04851	2.31	15382	A	10	0.08	F	Å
2FT	19155	3.65	15381	B	5	0.12	F	
2FTC	04841	3.65	15382	B	10	0.08	F	Å
3FT	20000	5.30	15381	C	10/50	0.16	F	
2FTA	19156	5.97	15381	C	5	0.10	F	
2FTAC	04850	5.97	15382	C	5	0.10	F	Å
FXB-1	20030	17.16	9368	N	1	1.24	C	
FXB-10	20039	35.84	9368	N	1	3.40	C	
FXB-11	20040	36.58	9368	N	1	4.00	C	
FXB-12	20041	37.32	9368	N	1	4.00	C	
FXB-2	20031	17.61	9368	N	1	1.24	C	
FXB-3	20032	18.35	9368	N	1	1.24	C	
FXB-4	20033	17.95	9368	N	1	1.24	C	
FXB-5	20034	18.35	9368	N	1	1.24	C	
FXB-6	20035	19.04	9368	N	1	1.24	C	
FXB-7	20036	35.16	9368	N	1	2.80	C	
FXB-8	20037	35.39	9368	N	1	3.30	C	
FXB-9	20038	36.38	9368	N	1	3.30	C	
FXCS-0A15	20042	166.83	9368	N	1/5	3.20	C	
FXCS-0B1	20044	102.45	9368	N	1/5	3.00	C	
FXCS-0B13-C	20052	125.81	9368	N	1/5	3.20	C	
FXCS-0B13-O	20053	125.81	9368	N	1/5	3.20	C	
FXCS-0B13-U	20054	139.14	9368	N	1/5	3.20	C	
FXCS-0B2	20045	102.45	9368	N	1/5	3.00	C	
FXCS-0B24CL	20055	79.77	9368	N	1/5	3.00	C	
FXCS-0B24GL	20056	79.77	9368	N	1/5	3.00	C	
FXCS-0B24RL	20057	79.77	9368	N	1/5	3.00	C	
FXCS-0B3	20046	114.89	9368	N	1/5	3.00	C	
FXCS-0B30CL	20058	138.02	9368	N	1/5	3.20	C	
FXCS-0B30GL	20059	138.02	9368	N	1/5	3.20	C	
FXCS-0B30RL	20060	138.02	9368	N	1/5	3.20	C	
FXCS-0B30RL-GL	20141	138.02	9368	N	1	3.20	C	Å
FXCS-0B4	20047	132.87	9368	N	1/5	3.20	C	
FXCS-0B4FS	19900	132.82	9368	N	1/5	3.20	C	
FXCS-0B4U	20048	141.99	9368	N	1/5	3.20	C	
FXCS-0B5	20049	132.87	9368	N	1/5	3.20	C	
FXCS-0B7	20051	141.99	9368	N	1/5	3.20	C	
FXCS-0K2A1	20061	144.27	9368	N	1/5	3.30	C	
FXCS-0K2A5	20062	156.57	9368	N	1/5	3.40	C	
FXCS-0K2L3F22D	20063	197.70	9368	N	1/5	3.40	C	
FXCS-0K3C4	20064	161.45	9368	N	1/5	3.40	C	
FXCS-0K3C5	20065	164.21	9368	N	1/5	3.40	C	
FXCS-0K3L6G32D	20066	197.70	9368	N	1/5	3.50	C	
FXCS-0K3M6G32D	20067	197.70	9368	N	1/5	3.50	C	
FXCS-0K3R6G32D	20068	197.70	9368	N	1/5	3.50	C	
FXCS-0S2A1	20069	116.35	9368	N	1/5	3.20	C	
FXCS-0S2A5	20070	130.94	9368	N	1/5	3.30	C	
FXCS-0S2L3F	20071	139.71	9368	N	1/5	3.30	C	
FXCS-0S3C4	20072	122.10	9368	N	1/5	3.30	C	
FXCS-0S3C5	20073	137.55	9368	N	1/5	3.30	C	
FXCS-0S3L6G	20074	139.71	9368	N	1/5	3.30	C	
FXCS-0S3M6G	20075	139.71	9368	N	1/5	3.30	C	
FXCS-0S3R6G	20076	139.71	9368	N	1/5	3.30	C	
FXCS-1A15	20077	183.99	9368	N	1/5	4.40	C	
FXCS-1B1	20079	119.60	9368	N	1/5	4.20	C	
FXCS-1B13-C	20087	142.96	9368	N	1/5	4.40	C	
FXCS-1B13-O	20088	142.96	9368	N	1/5	4.40	C	
FXCS-1B13-U	20089	156.29	9368	N	1/5	4.40	C	
FXCS-1B2	20080	119.60	9368	N	1/5	4.20	C	
FXCS-1B24-CL	20090	96.92	9368	N	1/5	4.20	C	
FXCS-1B24-GL	20091	96.92	9368	N	1/5	4.20	C	
FXCS-1B24-RL	20092	96.92	9368	N	1/5	4.20	C	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
FXCS-1B3	20081	132.82	9368	N	1/5	4.20	C	
FXCS-1B30-CL	20093	147.18	9368	N	1/5	4.40	C	
FXCS-1B30-GL	20094	147.18	9368	N	1/5	4.40	C	
FXCS-1B30-RL	20095	147.18	9368	N	1/5	4.40	C	
FXCS-1B30RL-GL	20142	147.18	9368	N	1	4.40	C	Å
FXCS-1B4	20082	150.83	9368	N	1/5	4.40	C	
FXCS-1B4-U	20083	159.14	9368	N	1/5	4.40	C	
FXCS-1B5	20084	150.83	9368	N	1/5	4.40	C	
FXCS-1B7	20086	159.14	9368	N	1/5	4.40	C	
FXCS-1K2A1	20096	161.42	9368	N	1/5	4.50	C	
FXCS-1K2A5	20097	173.73	9368	N	1/5	4.60	C	
FXCS-1K2L3F22D	20098	214.86	9368	N	1/5	4.60	C	
FXCS-1K3C4	20099	168.66	9368	N	1/5	4.60	C	
FXCS-1K3C5	20100	181.96	9368	N	1/5	4.60	C	
FXCS-1K3L6G32D	20101	214.86	9368	N	1/5	4.70	C	
FXCS-1K3M6G32D	20102	214.86	9368	N	1/5	4.70	C	
FXCS-1K3R6G32D	20103	214.86	9368	N	1/5	4.70	C	
FXCS-1S2A1	20104	133.59	9368	N	1/5	4.40	C	
FXCS-1S2A5	20105	148.98	9368	N	1/5	4.50	C	
FXCS-1S2L3F	20106	166.86	9368	N	1/5	4.50	C	
FXCS-1S3C4	20107	139.32	9368	N	1/5	4.50	C	
FXCS-1S3C5	20108	154.76	9368	N	1/5	4.50	C	
FXCS-1S3L6G	20109	166.86	9368	N	1/5	4.50	C	
FXCS-1S3M6G	20110	166.86	9368	N	1/5	4.50	C	
FXCS-1S3R6G	20111	166.86	9368	N	1/5	4.50	C	
FXCS-2A15	20112	184.14	9368	N	1/5	4.40	C	
FXCS-2B1	20114	120.98	9368	N	1/5	4.20	C	
FXCS-2B13-C	20122	143.42	9368	N	1/5	4.40	C	
FXCS-2B13-O	20123	143.42	9368	N	1/5	4.40	C	
FXCS-2B13-U	20124	158.75	9368	N	1/5	4.40	C	
FXCS-2B2	20115	120.98	9368	N	1/5	4.20	C	
FXCS-2B24-CL	20125	97.37	9368	N	1/5	4.20	C	
FXCS-2B24-GL	20126	97.37	9368	N	1/5	4.20	C	
FXCS-2B24-RL	20127	97.37	9368	N	1/5	4.20	C	
FXCS-2B3	20116	132.47	9368	N	1/5	4.20	C	
FXCS-2B30-CL	20128	147.03	9368	N	1/5	4.60	C	
FXCS-2B30-GL	20129	147.03	9368	N	1/5	4.60	C	
FXCS-2B30-RL	20130	147.03	9368	N	1/5	4.60	C	
FXCS-2B30RL-GL	20143	147.03	9368	N	1	4.60	C	Å
FXCS-2B4	20117	150.46	9368	N	1/5	4.40	C	
FXCS-2B4FS	19901	150.42	9368	N	1/5	4.40	C	
FXCS-2B4-U	20118	159.98	9368	N	1/5	4.40	C	
FXCS-2B5	20119	150.46	9368	N	1/5	4.40	C	
FXCS-2B7	20121	159.98	9368	N	1/5	4.40	C	
FXCS-2K2A1	20131	161.67	9368	N	1/5	4.50	C	
FXCS-2K2A5	20132	174.16	9368	N	1/5	4.60	C	
FXCS-2K2L3F22D	20133	215.31	9368	N	1/5	4.60	C	
FXCS-2K3C4	20134	169.05	9368	N	1/5	4.60	C	
FXCS-2K3C5	20135	181.81	9368	N	1/5	4.60	C	
FXCS-2K3L6G32D	20136	215.31	9368	N	1/5	4.70	C	
FXCS-2K3M6G32D	20137	215.31	9368	N	1/5	4.70	C	
FXCS-2K3R6G32D	20138	215.31	9368	N	1/5	4.70	C	
FXCS-2S2A1	20139	133.98	9368	N	1/5	4.40	C	
FXCS-2S2A5	20140	148.54	9368	N	1/5	4.50	C	
FXCS-2S2L3F	20147	167.32	9368	N	1/5	4.50	C	
FXCS-2S3C4	20148	139.77	9368	N	1/5	4.50	C	
FXCS-2S3C5	20149	155.15	9368	N	1/5	4.50	C	
FXCS-2S3L6G	20150	167.32	9368	N	1/5	4.50	C	
FXCS-2S3M6G	20151	167.32	9368	N	1/5	4.50	C	
FXCS-2S3R6G	20152	167.32	9368	N	1/5	4.50	C	
FXCS-4A15	20188	184.78	9368	N	1/5	4.40	C	
FXCS-4B1	20190	120.40	9368	N	1/5	4.20	C	
FXCS-4B13-C	20198	143.76	9368	N	1/5	4.40	C	
FXCS-4B13-O	20199	143.76	9368	N	1/5	4.40	C	
FXCS-4B13-U	20200	157.08	9368	N	1/5	4.40	C	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
FXCS-482	20191	120.40	9368	N	1/5	4.20	C	
FXCS-4824-CL	20201	97.72	9368	N	1/5	4.20	C	
FXCS-4824-GL	20202	97.72	9368	N	1/5	4.20	C	
FXCS-4824-RL	20203	97.72	9368	N	1/5	4.20	C	
FXCS-483	20192	132.82	9368	N	1/5	4.20	C	
FXCS-4830-CL	20204	147.97	9368	N	1/5	4.40	C	
FXCS-4830-GL	20205	147.97	9368	N	1/5	4.40	C	
FXCS-4830-RL	20206	147.97	9368	N	1/5	4.40	C	
FXCS-4830RL-GL	20144	147.97	9368	N	1	4.40	C	Å
FXCS-484	20193	150.82	9368	N	1/5	4.40	C	
FXCS-484-U	20194	159.94	9368	N	1/5	4.40	C	
FXCS-485	20195	150.82	9368	N	1/5	4.40	C	
FXCS-487	20197	159.94	9368	N	1/5	4.40	C	
FXCS-4K2A1	20207	162.22	9368	N	1/5	4.50	C	
FXCS-4K2A5	20208	174.53	9368	N	1/5	4.60	C	
FXCS-4K2L3F22D	20209	215.66	9368	N	1/5	4.60	C	
FXCS-4K3C4	20210	169.48	9368	N	1/5	4.60	C	
FXCS-4K3C5	20211	182.16	9368	N	1/5	4.60	C	
FXCS-4K3L66320	20212	215.66	9368	N	1/5	4.60	C	
FXCS-4K3M66320	20213	215.66	9368	N	1/5	4.60	C	
FXCS-4K3R66320	20214	215.66	9368	N	1/5	4.60	C	
FXCS-4S2A1	20215	134.30	9368	N	1/5	4.40	C	
FXCS-4S2A5	20216	149.29	9368	N	1/5	4.50	C	
FXCS-4S2L3F	20217	157.60	9368	N	1/5	4.50	C	
FXCS-4S3C4	20218	149.12	9368	N	1/5	4.50	C	
FXCS-4S3C5	20219	155.50	9368	N	1/5	4.50	C	
FXCS-4S3L66	20220	157.66	9368	N	1/5	4.50	C	
FXCS-4S3M66	20221	157.66	9368	N	1/5	4.50	C	
FXCS-4S3R66	20222	157.66	9368	N	1/5	4.50	C	
FXCS-5A15	20223	185.18	9368	N	1/5	4.40	C	
FXCS-581	20225	120.80	9368	N	1/5	4.20	C	
FXCS-5813-C	20233	144.16	9368	N	1/5	4.40	C	
FXCS-5813-O	20234	144.16	9368	N	1/5	4.40	C	
FXCS-5813-U	20235	157.49	9368	N	1/5	4.40	C	
FXCS-582	20226	120.80	9368	N	1/5	4.20	C	
FXCS-5824-CL	20236	98.12	9368	N	1/5	4.20	C	
FXCS-5824-GL	20237	98.12	9368	N	1/5	4.20	C	
FXCS-5824-RL	20238	98.12	9368	N	1/5	4.20	C	
FXCS-583	20227	133.21	9368	N	1/5	4.20	C	
FXCS-5830-CL	20239	148.37	9368	N	1/5	4.40	C	
FXCS-5830-GL	20240	148.37	9368	N	1/5	4.40	C	
FXCS-5830-RL	20241	148.37	9368	N	1/5	4.40	C	
FXCS-5830RL-GL	20145	148.37	9368	N	1	4.40	C	Å
FXCS-584	20228	151.22	9368	N	1/5	4.40	C	
FXCS-584FS	19902	151.17	9368	N	1/5	4.40	C	
FXCS-584-U	20229	160.34	9368	N	1/5	4.40	C	
FXCS-585	20230	151.22	9368	N	1/5	4.40	C	
FXCS-587	20232	160.34	9368	N	1/5	4.40	C	
FXCS-5K2A1	20242	162.62	9368	N	1/5	4.50	C	
FXCS-5K2A5	20243	174.92	9368	N	1/5	4.60	C	
FXCS-5K2L3F22D	20244	216.05	9368	N	1/5	4.60	C	
FXCS-5K3C4	20245	169.88	9368	N	1/5	4.60	C	
FXCS-5K3C5	20246	182.56	9368	N	1/5	4.60	C	
FXCS-5K3L66320	20247	216.05	9368	N	1/5	3.70	C	
FXCS-5K3M66320	20248	216.05	9368	N	1/5	3.70	C	
FXCS-5K3R66320	20249	216.05	9368	N	1/5	3.70	C	
FXCS-5S2A1	20250	134.70	9368	N	1/5	4.40	C	
FXCS-5S2A5	20251	149.29	9368	N	1/5	4.50	C	
FXCS-5S2L3F	20252	158.06	9368	N	1/5	4.50	C	
FXCS-5S3C4	20253	149.51	9368	N	1/5	4.50	C	
FXCS-5S3C5	20254	155.90	9368	N	1/5	4.50	C	
FXCS-5S3L66	20255	158.06	9368	N	1/5	4.50	C	
FXCS-5S3M66	20256	158.06	9368	N	1/5	4.50	C	
FXCS-5S3R66	20257	158.06	9368	N	1/5	4.50	C	
FXS-11C	19490	114.48	9368	N	1	4.40	C	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
FXS-11D	19491	129.91	9368	N	1	4.40	C	
FXS-12C	19493	117.78	9368	N	1	4.40	C	
FXS-12D	19494	135.78	9368	N	1	4.40	C	
FXS-13C	19496	119.60	9368	N	1	4.40	C	
FXS-15C	19501	158.36	9368	N	1	4.40	C	
FXS-19C	19503	137.94	9368	N	1	4.40	C	
FXS-19D	19506	177.60	9368	N	1	4.40	C	
FXS-1C	19473	97.32	9368	N	1/5	3.20	C	
FXS-1D	19474	112.76	9368	N	1/5	3.20	C	
FXS-21C	19507	114.93	9368	N	1	4.40	C	
FXS-21D	19508	138.37	9368	N	1	4.40	C	
FXS-22C	19510	118.23	9368	N	1	4.40	C	
FXS-22D	19511	136.23	9368	N	1	4.40	C	
FXS-23C	19513	120.06	9368	N	1	4.40	C	
FXS-25C	19518	166.00	9368	N	1	4.40	C	
FXS-26C	19520	138.40	9368	N	1	4.40	C	
FXS-29C	19523	170.05	9368	N	1	4.40	C	
FXS-2C	19476	100.82	9368	N	1/5	3.20	C	
FXS-2D	19477	118.93	9368	N	1	3.20	C	
FXS-5C	19479	102.46	9368	N	1/5	3.20	C	
FXS-41C	19541	115.27	9368	N	1	4.40	C	
FXS-41D	19542	131.30	9368	N	1	4.40	C	
FXS-42C	19544	118.57	9368	N	1	4.40	C	
FXS-42D	19545	136.59	9368	N	1	4.40	C	
FXS-43C	19547	120.40	9368	N	1	4.40	C	
FXS-49C	19552	159.14	9368	N	1	4.40	C	
FXS-49C	19554	159.74	9368	N	1	4.40	C	
FXS-49C	19557	178.86	9368	N	1	4.40	C	
FXS-4C	19480	140.16	9368	N	1/5	3.20	C	
FXS-51C	19558	115.67	9368	N	1	4.40	C	
FXS-51D	19559	131.11	9368	N	1	4.40	C	
FXS-52C	19561	118.97	9368	N	1	4.40	C	
FXS-52D	19562	136.98	9368	N	1	4.40	C	
FXS-53C	19564	120.80	9368	N	1	4.40	C	
FXS-59C	19569	159.54	9368	N	1	4.40	C	
FXS-59C	19571	139.14	9368	N	1	4.40	C	
FXS-59C	19574	179.79	9368	N	1	4.40	C	
FXS-5C	19484	141.10	9368	N	1/5	3.20	C	
FXS-6C	19486	120.79	9368	N	1	3.20	C	
FXS-9C	19489	166.44	9368	N	1	3.20	C	
FXSD01	19827	137.20	9616	N	1/5	3.20	C	
FXSD02	19828	147.89	9616	N	1	3.20	C	
FXSD11	19729	154.11	9616	N	1	4.40	C	
FXSD12	19730	164.99	9616	N	1	4.40	C	
FXSD21	19731	154.56	9616	N	1	4.40	C	
FXSD22	19732	164.45	9616	N	1	4.40	C	
FXSD41	19735	154.90	9616	N	1	4.40	C	
FXSD42	19736	164.79	9616	N	1	4.40	C	
FXSD61	19737	155.29	9616	N	1	4.40	C	
FXSD62	19738	165.18	9616	N	1	4.40	C	
FXS-GFI	19835	207.90	9370	N	1/5		C	
FXS-GFI-1020	19836	224.74	9370	N	1	5.00	C	
FXS-GFI-1120	19837	225.52	9370	N	1	5.00	C	
FXS-GFI-2020	19838	225.10	9370	N	1	5.00	C	
FXS-GFI-2120	19839	225.91	9370	N	1	5.00	C	
FXS-GFI-3020	19840	225.91	9370	N	1	5.00	C	
FXS-GFI-3120	19841	226.58	9370	N	1		C	
FXSX02	19833	106.74	9616	N	1	3.20	C	
FXSX03	19834	180.34	9616	N	1	3.20	C	
FXSX12	19801	123.96	9616	N	1	4.40	C	
FXSX13	19802	197.26	9616	N	1	4.40	C	
FXSX22	19803	124.10	9616	N	1	4.40	C	
FXSX23	19804	197.70	9616	N	1	4.40	C	
FXSX42	19807	124.44	9616	N	1	4.40	C	
FXSX43	19808	198.84	9616	N	1	4.40	C	

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CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
FXSX52	19809	124.84	9616	N	1	4.40	C	
FXSX53	19810	198.43	9616	N	1	4.40	C	
FZ	20027	21.52	15381	A	1	0.60	F	
FZ0647	20029	21.52	15381	A	1	0.60	F	
FZ0648	20028	21.52	15381	A	1	0.60	F	
GASK571	08110	1.45	15201	A	100	0.02	F	
GASK572	08111	1.45	15201	A	100	0.02	F	
GASK573	08112	1.91	15201	A	100	0.03	F	
GASK574	08113	2.49	15202	A	50	0.08	F	
GASK575	08114	2.49	15202	A	25	0.20	F	
GASK576	08115	2.95	15202	A	25	0.20	F	
GASK578	08116	4.91	15203	A	25	0.48	F	
GASK579	08117	9.24	15203	A	25	0.64	F	
GASK805N	48171	2.69	15219	A	25	0.10	F	Å
GASK806N	48172	3.87	15219	A	25	0.12	F	Å
GASK807N	48173	4.19	15220	A	25	0.19	F	Å
GASK808N	48174	5.05	15220	A	25	0.24	F	Å
GASK851N	48167	1.34	15218	A	50	0.02	F	Å
GASK852N	48168	1.39	15218	A	50	0.02	F	Å
GASK853N	48169	1.77	15218	A	50	0.04	F	Å
GASK854N	48170	2.28	15219	A	25	0.10	F	Å
GC88-1501	20501	283.86	7251	N	1	12.10	DE	
GC88-1502	20503	315.31	7251	N	1	12.10	DE	
GC88-1503	20504	436.07	7251	N	1	12.10	DE	
GC88-10	20500	259.95	7251	N	1	12.10	DE	
GC88-2001	20505	283.86	7251	N	1	12.10	DE	
GC88-2002	20506	315.31	7251	N	1	12.10	DE	
GC88-2003	20507	436.07	7251	N	1	12.10	DE	
GC88-3001	20508	283.86	7251	N	1	12.10	DE	
GC88-3002	20509	315.31	7251	N	1	12.10	DE	
GC88-3003	20510	436.07	7251	N	1	12.10	DE	
GC88-4001	20511	283.86	7251	N	1	12.10	DE	
GC88-4002	20512	315.31	7251	N	1	12.10	DE	
GC88-4003	20513	436.07	7251	N	1	12.10	DE	
2GC88-130	20560	362.89	7251	N	1	12.40	DE	Å
2GC88-1501	20514	361.50	7251	N	1	12.40	DE	
2GC88-15013	20516	507.14	7251	N	1	12.40	DE	
2GC88-1502	20515	373.45	7251	N	1	12.40	DE	
2GC88-10	20502	362.89	7251	N	1	12.40	DE	
2GC88-2001	20517	361.50	7251	N	1	12.40	DE	
2GC88-20013	20519	507.14	7251	N	1	12.40	DE	
2GC88-2002	20518	373.45	7251	N	1	12.40	DE	
2GC88-20	20561	362.89	7251	N	1	12.40	DE	Å
2GC88-3001	20520	361.50	7251	N	1	12.40	DE	
2GC88-30013	20522	507.14	7251	N	1	12.40	DE	
2GC88-3002	20521	373.45	7251	N	1	12.40	DE	
2GC88-4001	20523	361.50	7251	N	1	12.40	DE	
2GC88-40013	20525	507.14	7251	N	1	12.40	DE	
2GC88-4002	20524	373.45	7251	N	1	12.40	DE	
3GC88-1501	20526	421.95	7251	N	1	12.70	DE	
3GC88-10	20562	345.98	7251	N	1	12.40	DE	Å
3GC88-2001	20527	422.19	7251	N	1	12.70	DE	
3GC88-3001	20528	422.19	7251	N	1	12.70	DE	
3GC88-4001	20529	422.19	7251	N	1	12.70	DE	
4GC88-1501	20530	517.78	7251	N	1	13.10	DE	
4GC88-10	20563	387.29	7251	N	1	12.40	DE	Å
4GC88-2001	20531	517.78	7251	N	1	13.10	DE	
4GC88-3001	20532	517.78	7251	N	1	13.10	DE	
4GC88-4001	20533	517.78	7251	N	1	13.10	DE	
GCS-13	20540	66.71	9150	N	1	2.90	C	
GCS-14	20541	71.50	9150	N	1	3.60	C	
GCS-15	20542	115.67	9150	N	1	6.00	C	
GCS-16	20543	154.73	9150	N	1	7.80	C	
GCS-83	20544	285.98	9150	N	1	11.60	C	
GCS-85	20545	298.06	9150	N	1	11.50	C	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
GCS-131	20537	67.57	9150	N	1	2.90	C	
GCS-141	20534	72.36	9150	N	1	3.60	C	
GCS-152	20535	117.80	9150	N	1	6.00	C	
GCS-163	20536	157.65	9150	N	2	7.80	C	
GCS-834	20538	289.71	9150	N	1	11.60	C	
GCS-835	20539	302.76	9150	N	1	11.50	C	
GECSC	21001	9.94	16120	C	5	0.60	F	
GECCAT-1M	21071	28.75	16123	B	1	4.40	F	Å
GECCT-1	21002	23.79	16120	B	1	2.00	F	
GECCT-1M	21074	25.04	16123	B	1	4.10	F	Å
GECCT-2	21003	25.46	16120	B	1	2.00	F	
GECCT-2M	21075	25.53	16123	B	1	4.00	F	Å
GECCT-3	21004	26.65	16120	B	1	1.90	F	
GECCT-3M	21076	28.13	16123	B	1	3.90	F	Å
GECEAT-2	21040	26.76	16120	B	1	2.00	F	
GECEAT-2M	21077	28.83	16123	B	1	4.00	F	Å
GECET-1	21042	22.54	16120	C	1	1.80	F	
GECET-1M	21078	22.69	16123	C	1	3.70	F	Å
GECET-2	21044	23.25	16120	C	1	1.80	F	
GECET-2M	21079	23.31	16123	C	1	3.70	F	Å
GECET-3	21046	23.79	16120	C	1	1.80	F	
GECET-3M	21080	23.95	16123	C	1	3.70	F	Å
GECEY	21048	13.57	16120	C	5	0.54	F	
GECLBT-1	21005	23.79	16120	B	1	1.80	F	
GECLBT-1M	21081	23.95	16123	B	1	3.70	F	Å
GECLBT-2	21006	25.46	16120	B	1	1.80	F	
GECLBT-2M	21082	25.53	16123	B	1	3.70	F	Å
GECLBT-3	21007	25.96	16120	B	1	1.80	F	
GECLBT-3M	21083	26.02	16123	B	1	4.70	F	Å
GECLT-1	21008	23.79	16120	C	1	2.00	F	
GECLT-1M	21084	23.85	16123	C	1	4.10	F	Å
GECLT-2	21009	25.46	16120	B	1	1.80	F	
GECLT-2M	21085	25.53	16123	B	1	3.80	F	Å
GECLT-3	21010	25.96	16120	C	1	1.90	F	
GECLT-3M	21086	26.02	16123	C	1	3.80	F	Å
GEC-BG	21069	1.02	16120	C	5		F	
GECTAT-2	21072	30.17	16120	C	1	2.00	F	
GECTAT-2M	21087	30.24	16123	C	1	4.30	F	Å
GECTT-1	21011	25.46	16120	B	1	2.00	F	
GECTT-1M	21089	25.53	16123	B	1	4.10	F	Å
GECTT-2	21012	26.82	16120	B	1	2.00	F	
GECTT-2M	21091	26.88	16123	B	1	3.90	F	Å
GECTT-3	21013	27.66	16120	B	1	2.00	F	
GECTT-3M	21093	28.02	16123	B	1	4.30	F	Å
GECUET-2	21073	40.23	16120	C	1	2.00	F	
GECXAT-1	21186	28.58	16120	C	1	2.20	F	
GECXAT-1M	21095	28.65	16123	C	1	4.70	F	Å
GECXAT-2	21187	32.28	16120	C	1	2.10	F	
GECXAT-2M	21097	32.36	16123	C	1	4.40	F	Å
GECXAT-5	21188	34.39	16120	C	1/5	2.20	F	
GECXAT-5M	21099	34.47	16123	C	1	4.80	F	Å
GECXT-1	21014	29.89	16120	C	1	2.00	F	
GECXT-1M	21100	29.13	16123	C	1	4.30	F	Å
GECXT-2	21015	30.17	16120	B	1	2.00	F	
GECXT-2M	21101	30.24	16123	B	1	4.10	F	Å
GECXT-3	21016	32.76	16120	C	1	2.10	F	
GECXT-3M	21103	32.84	16123	C	1	4.00	F	Å
GECXTF-1	21088	30.11	16120	C	1	2.50	F	
GECXTF-1M	21105	30.19	16123	C	1	5.80	F	Å
GECXTF-2	21090	31.09	16120	B	1	2.60	F	
GECXTF-2M	21107	31.17	16123	B	1	5.70	F	Å
GECXTF-3	21092	33.09	16120	C	1	2.60	F	
GECXTF-3M	21108	33.17	16123	C	1	6.20	F	Å
GEJCT-5	21094	88.95	16120	N	1	5.00	F	
GEJCT-5M	21109	89.17	16123	N	1	11.90	F	Å

Refer to page 2 for explanation of symbols.

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CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
GEJCT-6	21096	94.41	16120	N	1	5.00	F	
GEJCT-6M	21111	94.64	16123	N	1	11.50	F	Å
GEJET-5	21098	88.95	16120	N	1	5.13	F	
GEJET-5M	21113	89.17	16123	N	1	11.70	F	Å
GEJEY	21102	58.18	16120	N	5	1.50	F	
GEJLBT-6	21110	106.74	16120	N	1	5.13	F	
GEJLBT-6M	21115	106.99	16123	N	1	12.00	F	Å
GEJLBT-6	21112	104.96	16120	N	1	5.00	F	
GEJLBT-6M	21117	105.22	16123	N	1	11.70	F	Å
GEJLT-5	21104	88.95	16120	N	1	4.00	F	
GEJLT-5M	21119	89.17	16123	N	1	7.90	F	Å
GEJLT-6	21106	91.28	16120	N	1	4.00	F	
GEJLT-6M	21121	91.51	16123	N	1	10.70	F	Å
GEJTT-5	21114	103.12	16120	N	1	5.25	F	
GEJTT-5M	21123	103.38	16123	N	1	12.50	F	Å
GEJTT-6	21116	106.69	16120	N	1	5.25	F	
GEJTT-6M	21125	106.96	16123	N	1	12.10	F	Å
GEJXT-5	21118	106.74	16120	N	1	5.25	F	
GEJXT-5M	21127	106.99	16123	N	1	12.40	F	Å
GEJXT-6	21120	106.42	16120	N	1	5.25	F	
GEJXT-6M	21129	106.68	16123	N	1	12.60	F	Å
GEMBC	21017	9.19	16120	C	1	0.34	F	
GEMC-1	21018	19.85	16120	B	5/25	0.88	F	
GEMC-2	21019	20.81	16120	C	5/25	0.80	F	
GEMCA-1	21122	22.27	16120	C	5/25	0.88	F	
GEMCA-2	21124	24.08	16120	C	5/25	0.84	F	
GEMEY	21126	10.82	16120	C	5/25	0.36	F	
GEML-1	21020	19.82	16120	B	5/25	0.84	F	
GEML-2	21021	20.81	16120	B	5/25	0.80	F	
GEMLA-1	21128	20.81	16120	C	5/25	0.84	F	
GEMLA-2	21130	22.65	16120	C	5/25	0.80	F	
GEMLB-1	21022	19.85	16120	B	5/25	0.84	F	
GEMLB-2	21023	20.81	16120	B	5/25	0.80	F	
GEM-RG	21131	1.47	16120	N	5		F	
GEMT-1	21024	20.81	16120	B	5/25	1.04	F	
GEMT-2	21025	22.65	16120	B	5/25	1.00	F	
GEMTA-1	21132	23.57	16120	C	5/25	1.00	F	
GEMTA-2	21134	25.96	16120	C	5/25	0.98	F	
GEMX-1	21026	22.11	16120	C	5/25	1.00	F	
GEMX-2	21027	24.58	16120	C	5/25	0.96	F	
GESBC	21028	14.70	16120	C	5	0.72	F	
GESCAT-4	21200	57.05	16120	C	1/5	2.40	F	
GESCAT-4M	21133	57.19	16123	C	1	6.50	F	Å
GESCT-3	21029	46.30	16120	C	1/5	2.70	F	
GESCT-3M	21135	46.51	16123	C	1	7.00	F	Å
GESCT-4	21030	44.66	16120	C	1/5	2.70	F	
GESCT-4M	21136	44.77	16123	C	1	6.60	F	Å
GESEY	21140	17.08	16120	C	1/5	0.80	F	
GESLBT-3	21146	46.39	16120	C	1/5	2.70	F	
GESLBT-3M	21137	46.51	16123	C	1	7.00	F	Å
GESLBT-4	21037	44.66	16120	C	1/5	2.70	F	
GESLBT-4M	21138	44.77	16123	C	1	7.40	F	Å
GESLT-3	21031	46.39	16120	C	1/5	2.70	F	
GESLT-3M	21139	46.51	16123	C	1	6.90	F	Å
GESLT-4	21032	44.66	16120	C	1/5	2.70	F	
GESLT-4M	21141	44.77	16123	C	1	6.50	F	Å
GES-RG	21147	2.38	16120	C	5		F	
GESTT-3	21033	48.72	16120	C	1/5	2.70	F	
GESTT-3M	21142	48.94	16123	C	1	7.30	F	Å
GESTT-4	21034	47.47	16120	C	1/5	2.70	F	
GESTT-4M	21143	47.59	16123	C	1	6.80	F	Å
GESXAT-4	21150	57.05	16120	C	1/5	2.80	F	
GESXAT-4M	21144	57.19	16123	C	1	7.40	F	Å
GESXT-3	21035	51.21	16120	C	1/5	3.00	F	
GESXT-3M	21145	51.34	16123	C	1	8.00	F	Å
GESXT-4	21036	53.53	16120	C	1/5	2.80	F	
GESXT-4M	21148	53.66	16123	C	1	7.10	F	Å
GEUEAT-2	21204	30.17	16120	C	2/10	3.50	F	
GFCS05151	11260	667.29	9370	N	1	13.00	C	
GFCS05152	11261	783.34	9370	N	1	13.00	C	
GFCS05201	11262	667.29	9370	N	1	13.00	C	
GFCS05202	11263	783.34	9370	N	1	13.00	C	
GFCS05301	11264	667.29	9370	N	1	13.00	C	
GFCS05302	11265	783.34	9370	N	1	13.00	C	
GFCS30151	11266	696.30	9370	N	1	13.00	C	
GFCS30152	11267	812.35	9370	N	1	13.00	C	
GFCS30201	11268	696.30	9370	N	1	13.00	C	
GFCS30202	11269	812.35	9370	N	1	13.00	C	
GFCS30301	11270	696.30	9370	N	1	13.00	C	
GFCS30302	11271	812.35	9370	N	1	13.00	C	
GL-275	21300	86.43	1311	N	1	1.00	E	
GL-300	21302	94.86	1311	N	1	1.00	E	
GL-375	21304	112.34	1311	N	1	2.00	E	
GL-537	21306	213.65	1311	N	1	3.30	E	
GL-600	21308	307.87	1311	N	1	4.30	E	
GL-775	21310	336.88	1311	N	1	7.30	E	
GLX-275	21316	86.43	1327	N	1	1.00	E	
GLX-300	21317	94.86	1311	N	1	1.00	E	
GLX-375	21318	112.34	1327	N	1	2.00	E	
GLX-537	21319	213.65	1327	N	1	3.30	E	
GLX-600	21320	307.87	1327	N	1	4.30	E	
GLX-775	21321	336.89	1327	N	1	7.30	E	
GLXR13	21322	151.45	1327	N	1		E	
GLXR24	21323	204.83	1327	N	1		E	
GLXR27	21324	373.68	1327	N	1		E	
GLXR34	21328	317.74	1327	N	1		E	
GLXR36	21325	418.24	1327	N	1		E	
GLXR47	21326	488.58	1327	N	1		E	
GLXR59	21327	604.85	1327	N	1		E	
GNPB205PR	96487	99.84	9145	N	1	2.14	C	Å
GNPB20PR	96486	99.84	9145	N	1	2.12	C	Å
GNPB20SWR	96593	99.84	9145	N	1	2.11	C	Å
GNPB2185	96490	74.85	9145	N	1	2.09	C	Å
GNPB2185	96488	74.85	9145	N	1	2.09	C	Å
GNPB2185	96489	74.85	9145	N	1	2.09	C	Å
GNPB245PR	96493	99.84	9145	N	1	2.14	C	Å
GNPB24PR	96492	99.84	9145	N	1	2.12	C	Å
GNPB24SWR	96491	99.84	9145	N	1	2.12	C	Å
GNPB275	96494	143.39	9145	N	1	2.25	C	Å
GNPB2PR	96595	143.39	9145	N	1	2.25	C	Å
GNPB2PR	96594	143.39	9145	N	1	2.25	C	Å
GNPB2PRR	96495	143.39	9145	N	1	0.25	C	Å
GNPB2PR	96496	143.39	9145	N	1	2.27	C	Å
GNPB40B2R	98537	74.85	9145	N	1	0.40	C	Å
GNPB40R	98536	74.85	9145	N	1	0.37	C	Å
GNPB40SW	96596	74.85	9145	N	1	0.37	C	Å
GNPB41B	98540	64.55	9145	N	1	0.35	C	Å
GNPB41G	98538	64.55	9145	N	1	0.35	C	Å
GNPB41R	98539	64.55	9145	N	1	0.35	C	Å
GNPB44GR	98543	74.85	9145	N	1	0.40	C	Å
GNPB44R	98542	74.85	9145	N	1	0.37	C	Å
GNPB44SW	98541	74.85	9145	N	1	0.37	C	Å
GNPB47	98544	122.65	9145	N	1	0.53	C	Å
GNPB48I	96497	122.65	9145	N	1	0.25	C	Å
GNPB48II	96598	122.65	9145	N	1	0.25	C	Å
GNPB48III	98545	122.65	9145	N	1	0.25	C	Å
GNPB49R	98546	122.65	9145	N	1	0.53	C	Å
GNPL220126	95961	127.94	9145	N	1	1.01	C	Å
GNPL220146	96498	127.94	9145	N	1	1.01	C	Å
GNPL220156	96499	127.94	9145	N	1	1.01	C	Å

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CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
GNPL220196	95234	127.94	9145	N	1	1.01	C	Å
GNPL220226	96500	127.94	9145	N	1	1.01	C	Å
GNPL220246	96501	127.94	9145	N	1	1.01	C	Å
GNPL220256	96502	127.94	9145	N	1	1.01	C	Å
GNPL220296	96385	127.94	9145	N	1	1.01	C	Å
GNPL220326	96503	127.94	9145	N	1	1.01	C	Å
GNPL220346	96504	127.94	9145	N	1	1.01	C	Å
GNPL220356	96505	127.94	9145	N	1	1.01	C	Å
GNPL220396	96387	127.94	9145	N	1	1.01	C	Å
GNPL220526	96509	127.94	9145	N	1	1.01	C	Å
GNPL220546	96510	127.94	9145	N	1	1.01	C	Å
GNPL220556	96511	127.94	9145	N	1	1.01	C	Å
GNPL220696	95238	127.94	9145	N	1	1.01	C	Å
GNPL24012	98547	72.81	9145	N	1	0.34	C	Å
GNPL24014	98548	72.81	9145	N	1	0.34	C	Å
GNPL24015	98549	72.81	9145	N	1	0.34	C	Å
GNPL24019	96343	72.81	9145	N	1	0.34	C	Å
GNPL24022	98550	72.81	9145	N	1	0.34	C	Å
GNPL24024	98551	72.81	9145	N	1	0.34	C	Å
GNPL24025	98552	72.81	9145	N	1	0.34	C	Å
GNPL24029	96344	72.81	9145	N	1	0.34	C	Å
GNPL24032	98553	72.81	9145	N	1	0.34	C	Å
GNPL24034	98554	72.81	9145	N	1	0.34	C	Å
GNPL24035	98555	72.81	9145	N	1	0.34	C	Å
GNPL24039	96347	72.81	9145	N	1	0.34	C	Å
GNPL24052	98559	72.81	9145	N	1	0.34	C	Å
GNPL24054	98560	72.81	9145	N	1	0.34	C	Å
GNPL24056	98561	72.81	9145	N	1	0.34	C	Å
GNPL24059	95247	72.81	9145	N	1	0.34	C	Å
GNSW5AS0026	96450	144.81	9145	N	1	2.29	C	Å
GNSW5AS0056	96452	144.81	9145	N	1	2.28	C	Å
GNSW5AS0106	96454	144.81	9145	N	1	1.38	C	Å
GNSW5AS0256	96456	144.81	9145	N	1	1.38	C	Å
GNSW5AS0276	96458	144.81	9145	N	1	1.38	C	Å
GNSW5AS0286	96460	144.81	9145	N	1	1.38	C	Å
GNSW5AS0326	96462	144.81	9145	N	1	1.38	C	Å
GNSW5AS0346	96464	144.81	9145	N	1	1.38	C	Å
GNSW5AS0366	96466	144.81	9145	N	1	1.38	C	Å
GNSW5AS0396	96468	144.81	9145	N	1	1.38	C	Å
GNSW5AS0406	96470	144.81	9145	N	1	1.38	C	Å
GNSW5AS0416	96472	144.81	9145	N	1	1.38	C	Å
GNSW5AS0456	96474	144.81	9145	N	1	1.38	C	Å
GNSW5AS0476	96476	144.81	9145	N	1	1.38	C	Å
GNSW5AS0526	96484	144.81	9145	N	1	1.38	C	Å
GNSW5NA0026	96451	144.81	9145	N	1	1.38	C	Å
GNSW5NA0056	96453	144.81	9145	N	1	1.38	C	Å
GNSW5NA0106	96455	144.81	9145	N	1	1.38	C	Å
GNSW5NA0256	96457	144.81	9145	N	1	1.38	C	Å
GNSW5NA0276	96459	144.81	9145	N	1	1.38	C	Å
GNSW5NA0286	96461	144.81	9145	N	1	1.38	C	Å
GNSW5NA0326	96463	144.81	9145	N	1	1.38	C	Å
GNSW5NA0346	96465	144.81	9145	N	1	1.38	C	Å
GNSW5NA0366	96467	144.81	9145	N	1	1.38	C	Å
GNSW5NA0396	96469	144.81	9145	N	1	1.38	C	Å
GNSW5NA0406	96471	144.81	9145	N	1	1.38	C	Å
GNSW5NA0416	96473	144.81	9145	N	1	1.38	C	Å
GNSW5NA0456	96599	144.81	9145	N	1	1.38	C	Å
GNSW5NA0476	96477	144.81	9145	N	1	1.38	C	Å
GNSW5NA0526	96485	144.81	9145	N	1	1.38	C	Å
GNSW7AS002	98500	73.79	9145	N	1	0.42	C	Å
GNSW7AS005	98502	73.79	9145	N	1	0.42	C	Å
GNSW7AS016	98504	73.79	9145	N	1	0.42	C	Å
GNSW7AS025	98506	73.79	9145	N	1	0.42	C	Å
GNSW7AS027	98508	73.79	9145	N	1	0.42	C	Å
GNSW7AS028	98510	73.79	9145	N	1	0.42	C	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
GNSW7AS032	98512	73.79	9145	N	1	0.42	C	Å
GNSW7AS034	98514	73.79	9145	N	1	0.42	C	Å
GNSW7AS036	98516	73.79	9145	N	1	0.42	C	Å
GNSW7AS038	98518	73.79	9145	N	1	0.42	C	Å
GNSW7AS040	98520	73.79	9145	N	1	0.42	C	Å
GNSW7AS041	98522	73.79	9145	N	1	0.42	C	Å
GNSW7AS045	98524	73.79	9145	N	1	0.42	C	Å
GNSW7AS047	98526	73.79	9145	N	1	0.42	C	Å
GNSW7AS052	98534	78.12	9145	N	1	0.42	C	Å
GNSW7AS052	98501	78.12	9145	N	1	0.42	C	Å
GNSW7AS005	98503	78.12	9145	N	1	0.42	C	Å
GNSW7AS016	98505	78.12	9145	N	1	0.42	C	Å
GNSW7AS025	98507	78.12	9145	N	1	0.42	C	Å
GNSW7AS027	98509	78.12	9145	N	1	0.42	C	Å
GNSW7AS028	98511	78.12	9145	N	1	0.42	C	Å
GNSW7AS032	98513	78.12	9145	N	1	0.42	C	Å
GNSW7AS034	98515	78.12	9145	N	1	0.42	C	Å
GNSW7AS036	98517	78.12	9145	N	1	0.42	C	Å
GNSW7AS038	98519	78.12	9145	N	1	0.42	C	Å
GNSW7AS040	98521	78.12	9145	N	1	0.42	C	Å
GNSW7AS041	98523	78.12	9145	N	1	0.42	C	Å
GNSW7AS045	98525	78.12	9145	N	1	0.42	C	Å
GNSW7AS047	98527	78.12	9145	N	1	0.42	C	Å
GNSW7AS052	98535	78.12	9145	N	1	0.42	C	Å
GO10-31F KS4	22227	67.69	9150	N	1	0.50	C	
GO10-32F KS4	22229	72.80	9150	N	1	0.50	C	
GO10-35F KS4	22231	68.80	9150	N	1	0.50	C	
GO-10502	22128	28.70	9150	N	1	0.50	C	
GO113 KS4	22013	72.80	9150	N	1	0.50	C	
GO-11372-003	22000	53.80	9150	N	1	0.50	C	
GO-11566-078	22001	53.80	9150	N	1	0.50	C	
GO114 KS4	22015	124.81	9150	N	1	0.50	C	
GO123	22016	72.80	9150	N	1	0.50	C	
GO134	22018	124.81	9150	N	1	0.50	C	
GO14-90 KS4	22245	102.10	9150	N	1	0.50	C	
GO14-90 KS4	22251	127.25	9150	N	1	0.50	C	
GO15-90 KS4	22246	107.30	9150	N	1	0.50	C	
GO15-90 KS4	22253	133.40	9150	N	1	0.50	C	
GO15726-A	99187	27.80	9150	N	1		C	
GO15726-B	99188	27.80	9150	N	1		C	
GO15726-C	99189	27.80	9150	N	1		C	
GO15726-F	99190	27.80	9150	N	1		C	
GO15726-G	99191	27.80	9150	N	1		C	
GO15726-R	99870	27.80	9150	N	1		C	
GO16	22002	77.80	9150	N	1	0.50	C	
GO17	22004	68.20	9150	N	1	0.50	C	
GO19	22006	71.40	9150	N	1	0.50	C	
GO16	22008	68.20	9150	N	1		C	
GO1-03C KS4	22141	43.80	9150	N	1	0.50	C	
GO1-GZ1C KS4	22140	68.80	9150	N	1	0.50	C	
GO1-S23C KS4	22142	73.80	9150	N	1	0.50	C	
GO1-X03C KS4	22143	47.80	9150	N	1	0.50	C	
GO1-X21C KS4	22144	68.80	9150	N	1	0.50	C	
GO1-X23C KS4	22146	68.80	9150	N	1	0.50	C	
GO1-X33C KS4	22148	73.80	9150	N	1	0.50	C	
GO1-X03C KS4	22151	47.80	9150	N	1	0.50	C	
GO1-X03C KS4	22150	68.80	9150	N	1	0.50	C	
GO1-X33C KS4	22152	73.80	9150	N	1	0.50	C	
GO20-03C (USE GO-1ST)								¿
GO20-GZ1C (USE GO-1ST)								¿
GO20-X23C (USE GO-1ST)								¿
GO21-03C	22275	47.80	9150	N	1	0.40	C	
GO21-GZ1C	22274	68.80	9150	N	1	0.40	C	
GO21-S23C	22276	73.80	9150	N	1	0.40	C	
GO21-X23C	22277	47.80	9150	N	1	0.40	C	

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GO21-KZ1C	22278	60.66	9150	N	1	0.40	C	
GO21-KZ2C	22280	60.66	9150	N	1	0.40	C	
GO21-KZ3C	22282	73.69	9150	N	1	0.40	C	
GO21-RZ0C	22285	47.53	9150	N	1	0.40	C	
GO21-RZ2B	22284	60.66	9150	N	1	0.40	C	
GO21-RZ3C	22286	73.69	9150	N	1	0.40	C	
GO22-GR00D	22287	100.19	9150	N	1	0.40	C	
GO22-GR12D	22288	126.47	9150	N	1	0.40	C	
GO22-GR33D	22290	151.97	9150	N	1	0.40	C	
GO22-KK00D	22291	100.19	9150	N	1	0.40	C	
GO22-KK12D	22292	126.47	9150	N	1	0.40	C	
GO22-KK33D	22294	151.97	9150	N	1	0.40	C	
GO23-A23C	22296	55.12	9150	N	1	0.40	C	
GO23-B23C	22295	55.12	9150	N	1	0.40	C	
GO23-C23C	22297	55.12	9150	N	1	0.40	C	
GO23-F23C	22298	55.12	9150	N	1	0.40	C	
GO23-G23C	22300	55.12	9150	N	1	0.40	C	
GO23-R23C	22302	55.12	9150	N	1	0.40	C	
GO25-2A0F	22303	60.66	9150	N	1	0.40	C	
GO25-2A3F	22304	94.82	9150	N	1	0.40	C	
GO25-3C0G	22305	60.66	9150	N	1	0.40	C	
GO25-3C3G	22306	94.82	9150	N	1	0.40	C	
GO25-4H0H	22307	60.66	9150	N	1	0.40	C	
GO25-4H3H	22308	126.22	9150	N	1	0.40	C	
GO26-0F	22309	107.19	9150	N	1	0.40	C	
GO26-3F	22310	133.98	9150	N	1	0.40	C	
GO27-0G	22311	107.19	9150	N	1	0.40	C	
GO27-6G	22312	133.98	9150	N	1	0.40	C	
GO28-2A0F22D	22313	136.43	9150	N	1	0.40	C	
GO28-2A3F20D	22314	162.71	9150	N	1	0.40	C	
GO28-2A3F22D	22316	162.71	9150	N	1	0.40	C	
GO28-3C0G32D	22315	136.43	9150	N	1	0.40	C	
GO28-3C3G30D	22318	162.71	9150	N	1	0.40	C	
GO28-3C3G32D	22320	162.71	9150	N	1	0.40	C	
GO2-GR00D N34	22153	100.19	9150	N	1	0.50	C	
GO2-GR12D N34	22154	126.47	9150	N	1	0.50	C	
GO2-GR33D N34	22156	151.97	9150	N	1	0.50	C	
GO2-KK00D N34	22157	100.19	9150	N	1	0.50	C	
GO2-KK12D N34	22158	126.47	9150	N	1	0.50	C	
GO2-KK33D N34	22160	151.97	9150	N	1	0.50	C	
GO30-31F	22336	57.54	9150	N	1	0.40	C	
GO30-32F	22338	72.89	9150	N	1	0.40	C	
GO30-33F	22340	69.00	9150	N	1	0.40	C	
GO34-0G	22361	107.19	9150	N	1	0.40	C	
GO34-6G	22362	133.98	9150	N	1	0.40	C	
GO35-0G	22363	107.19	9150	N	1	0.40	C	
GO35-6G	22364	133.98	9150	N	1	0.40	C	
GO36-2L0F22D N34	22480	174.78	9150	N	1	0.40	C	
GO36-2L3F22D N34	22391	200.96	9150	N	1	0.50	C	
GO37-3C0G32D N34	22481	174.78	9150	N	1	0.40	C	
GO37-3C6G32D N34	22393	200.96	9150	N	1	0.50	C	
GO38-3L0G32D N34	22482	174.78	9150	N	1	0.40	C	
GO38-3L6G32D N34	22395	200.96	9150	N	1	0.50	C	
GO39-3R0G32D N34	22483	174.78	9150	N	1	0.40	C	
GO39-3R6G32D N34	22397	200.96	9150	N	1	0.50	C	
GO40-KX0C	22372	22.69	9150	N	1	0.40	C	
GO40-KX1C	22374	26.18	9150	N	1	0.40	C	
GO40-KX2C	22376	29.35	9150	N	1	0.40	C	
GO50	22663	294.53	9150	N	1	3.00	C	
GO-51	21989	131.68	9150	N	1	1.50	C	Å
GO5-2A0F N34	22180	60.66	9150	N	1	0.50	C	
GO5-2A3F N34	99720	94.82	9150	N	1	0.50	C	
GO5-3C0G N34	22181	60.66	9150	N	1	0.50	C	
GO5-3C3G N34	99721	94.82	9150	N	1	0.50	C	
GO5-4H0H N34	22182	60.66	9150	N	1	0.50	C	

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GO5-4H0H N34	99722	120.22	9150	N	1	0.50	C	
GO56-2L0F22D	22399	174.78	9150	N	1	0.40	C	
GO56-2L3F22D	22400	200.96	9150	N	1	0.40	C	
GO567-LGK	22129	17.16	9150	N	1	0.50	C	
GO57-3C0G32D	22401	174.78	9150	N	1	0.40	C	
GO57-3C6G32D	22402	200.96	9150	N	1	0.40	C	
GO58-3L0G32D	22404	200.96	9150	N	1	0.40	C	
GO58-3R0G32D	22403	174.78	9150	N	1	0.40	C	
GO59-3R6G32D	22405	174.78	9150	N	1	0.40	C	
GO59-3R6G32D	22406	200.96	9150	N	1	0.40	C	
GO6-0F N34	22190	107.19	9150	N	1	0.50	C	
GO6-3F N34	22199	133.48	9150	N	1	0.50	C	
GO7-0G N34	22191	107.19	9150	N	1	0.50	C	
GO-7627	22019	7.71	9150	N	1	0.50	C	
GO7-6G N34	22201	133.48	9150	N	1	0.50	C	
GO-9166-2	22022	24.27	9150	N	1		C	
GO-9167-2	22028	31.90	9150	N	1		C	
GO-9168	22032	24.27	9150	N	1		C	
GO-9176-1	22038	4.97	9150	N	1		C	
GO-9176-2	22040	4.97	9150	N	1		C	
GO-9176-3	22042	4.97	9150	N	1		C	
GO-9177	22044	6.45	9150	N	1	0.50	C	
GO-9178	22046	24.27	9150	N	1		C	
GO-9222	22052	4.97	9150	N	1		C	
GO9-2A0F22D N34	22215	136.43	9150	N	1	0.40	C	
GO9-2A3F20D	22204	153.98	9150	N	1	1.00	C	
GO9-2A3F22D N34	22203	162.66	9150	N	1	0.50	C	
GO9-3C0G32D N34	22216	136.43	9150	N	1	0.40	C	
GO9-3C3G30D N34	22208	162.71	9150	N	1	1.00	C	
GO9-3C3G32D N34	22209	162.66	9150	N	1	0.50	C	
GO-9665	22054	11.51	9150	N	1	0.50	C	
GO-9666-12B	22084	8.65	9150	N	1		C	
GO-9666-24	22076	8.65	9150	N	1		C	
GO-9666-28	22078	8.65	9150	N	1		C	
GO-9670-02	22100	40.59	9150	N	1		C	
GO-9670-34	22102	42.89	9150	N	1		C	
GO-9670-36	22104	44.73	9150	N	1		C	
GO-9671-42	22108	46.46	9150	N	1		C	
GO-9671-44	22110	98.94	9150	N	1		C	
GO-9672-BJE	22114	13.86	9150	N	1		C	
GO-9672-BJH	22116	13.86	9150	N	1		C	
GO-9672-BJJ	22118	13.86	9150	N	1		C	
GO-9672-BJK	22120	13.86	9150	N	1		C	
GO-9672-PTCC	22121	59.45	9368	N	1		C	
GO-9672-PTCH	22122	28.32	9368	N	1		C	
GO-9824	22126	14.93	9150	N	1	0.50	C	
GO83-A23C N34	99000	57.87	9150	N	1	0.50	C	
GO83-B23C N34	99715	57.87	9150	N	1	0.50	C	
GO83-C23C N34	99716	57.87	9150	N	1	0.50	C	
GO83-F23C N34	99717	57.87	9150	N	1	0.50	C	
GO83-G23C N34	99718	57.87	9150	N	1	0.50	C	
GO83-R23C N34	99719	57.87	9150	N	1	0.50	C	
GO84-A23C N34	22422	139.95	9150	N	1	1.00	C	
GO84-B23C N34	22427	157.12	9150	N	1	1.00	C	
GO84-B23C N34	22423	139.95	9150	N	1	1.00	C	
GO84-B23C N34	22428	157.12	9150	N	1	1.00	C	
GO84-C23C N34	22476	131.45	9150	N	1	1.00	C	
GO84-C23C N34	22478	157.17	9150	N	1	1.00	C	
GO84-F23C N34	22424	139.95	9150	N	1	1.00	C	
GO84-F23C N34	22429	157.12	9150	N	1	1.00	C	
GO84-G23C N34	22425	139.95	9150	N	1	1.00	C	
GO84-G23C N34	22430	157.12	9150	N	1	1.00	C	
GO84-R23C N34	22426	139.95	9150	N	1	1.00	C	
GO84-R23C N34	22431	157.12	9150	N	1	1.00	C	
GOL113	22660	76.48	9150	N	1	0.50	C	

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GOL114	22661	128.60	9150	N	1	0.50	C	
GOL14	22646	110.82	9150	N	1	0.50	C	
GOL146	22639	135.99	9150	N	1	0.50	C	
GOL15	22647	110.82	9150	N	1	0.50	C	
GOL156	22640	135.99	9150	N	1	0.50	C	
GOL1G	22607	51.16	9150	N	1	0.50	C	
GOL1G1	22600	64.30	9150	N	1	0.50	C	
GOL1G3	22604	77.44	9150	N	1	0.50	C	
GOL1K	22609	51.16	9150	N	1	0.50	C	
GOL1K1	22601	64.30	9150	N	1	0.50	C	
GOL1K2	22603	64.30	9150	N	1	0.50	C	
GOL1K3	22606	77.44	9150	N	1	0.50	C	
GOL1R	22608	51.16	9150	N	1	0.50	C	
GOL1R2	22602	64.30	9150	N	1	0.50	C	
GOL1R3	22605	77.44	9150	N	1	0.50	C	
GOL2GR	22614	163.11	9150	N	1	0.50	C	
GOL2GR12	22610	136.85	9150	N	1	0.50	C	
GOL2GR33	22612	166.22	9150	N	1	0.50	C	
GOL2KK	22615	163.83	9150	N	1	0.50	C	
GOL2KK12	22611	139.65	9150	N	1	0.50	C	
GOL2KK33	22613	166.22	9150	N	1	0.50	C	
GOL36L032D	22656	178.47	9150	N	1	0.50	C	
GOL36L332D	22650	204.85	9150	N	1	0.50	C	
GOL37C632D	22657	168.71	9150	N	1	0.50	C	
GOL37C632D	22651	204.85	9150	N	1	0.50	C	
GOL38L032D	22658	178.47	9150	N	1	0.50	C	
GOL38L632D	22652	204.85	9150	N	1	0.50	C	
GOL39R032D	22659	178.47	9150	N	1	0.50	C	
GOL39R632D	22653	204.85	9150	N	1	0.50	C	
GOL3A	22616	61.51	9150	N	1	0.50	C	
GOL3B	22617	61.51	9150	N	1	0.50	C	
GOL3C	22618	61.51	9150	N	1	0.50	C	
GOL3F	22619	61.51	9150	N	1	0.50	C	
GOL3G	22620	61.51	9150	N	1	0.50	C	
GOL3R	22621	61.51	9150	N	1	0.50	C	
GOL4A	22628	134.64	9150	N	1	1.00	C	
GOL4A3	22622	160.80	9150	N	1	1.00	C	
GOL4B	22629	134.64	9150	N	1	1.00	C	
GOL4B3	22623	160.80	9150	N	1	1.00	C	
GOL4C	22630	134.64	9150	N	1	1.00	C	
GOL4C3	22624	160.80	9150	N	1	1.00	C	
GOL4F	22631	134.64	9150	N	1	1.00	C	
GOL4F3	22625	160.80	9150	N	1	1.00	C	
GOL4G	22632	134.64	9150	N	1	1.00	C	
GOL4G3	22626	160.80	9150	N	1	1.00	C	
GOL4R	22633	135.96	9150	N	1	1.00	C	
GOL4R3	22627	160.80	9150	N	1	1.00	C	
GOL52A	22641	72.35	9150	N	1	0.50	C	
GOL52A3	22634	98.52	9150	N	1	0.50	C	
GOL53C	22642	72.35	9150	N	1	0.50	C	
GOL53C3	22635	98.52	9150	N	1	0.50	C	
GOL54H	22643	72.35	9150	N	1	0.50	C	
GOL54H8	22636	123.90	9150	N	1	0.50	C	
GOL6	22644	110.82	9150	N	1	0.50	C	
GOL63	22637	136.99	9150	N	1	0.50	C	
GOL7	22645	110.82	9150	N	1	0.50	C	
GOL76	22638	135.99	9150	N	1	0.50	C	
GOL82A022D	22654	148.11	9150	N	1	0.50	C	
GOL82A322D	22648	166.29	9150	N	1	0.50	C	
GOL83C632D	22655	148.11	9150	N	1	0.50	C	
GOL83C332D	22649	166.29	9150	N	1	0.50	C	
GOLED-A110	22667	22.03	9150	N	1	0.10	C	
GOLED-G110	22666	22.03	9150	N	1	0.10	C	
GOLED-R110	22665	22.03	9150	N	1	0.10	C	
GOLRST	22662	38.60	9150	N	1	0.50	C	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
GOM1-GMBC	22469	179.37	9150	N	1	0.88	C	
GOM1-GM3C	22470	205.65	9150	N	1	0.88	C	
GOM1-KMBC	22471	179.37	9150	N	1	0.88	C	
GOM1-KM3C	22472	205.65	9150	N	1	0.88	C	
GOM1-RMBC	22473	179.37	9150	N	1	0.88	C	
GOM1-RM3C	22474	205.65	9150	N	1	0.88	C	
GOR11-GR0D N34	22461	123.23	9150	N	1	0.50	C	
GOR11-GR6D N34	22463	149.40	9150	N	1	0.50	C	
GOR11-GR7D N34	22465	149.40	9150	N	1	0.50	C	
GOR11-GR8D N34		175.68	9150	N	1	0.50	C	
GO-RL	22525	1.12	9150	N	1		C	
GO-RST	22365	27.00	9150	N	1	0.50	C	
2GOU	22384	15.37	9150	N	25	0.90	F	
2GRB	23022	57.70	1311	N	1	6.80	E	
2GRBD	23028	22.17	1311	N	1	1.30	E	
2GRDD	23100	33.38	16120	N	1	1.30	F	
3GRM	23342	155.97	1311	N	1	13.50	E	
3GRMD	23350	78.26	1311	N	1	3.00	E	
4GOU	22386	19.73	9150	N	10	1.30	F	
4GRB	23024	61.18	1311	N	1	7.40	E	
4GRBD	23030	25.58	1311	N	1	1.90	E	
4GRDD	23102	35.74	16120	N	1	1.90	F	
4GRH	23156	610.80	1311	N	1	44.00	E	
4GRHA	23204	909.95	1311	N	1	76.00	E	
4GRHC	22812	743.00	1311	N	1	66.00	E	
4GRHD	23168	102.78	1311	N	1	10.10	E	
4GRK	23218	291.17	1311	N	1	23.20	E	
4GRKD	23234	137.87	1311	N	1	6.50	E	
5GRM	23344	182.66	1311	N	1	14.60	E	
5GRMD	23352	96.95	1311	N	1	4.10	E	
8GRM	22811	849.18	1311	N	1	55.00	E	
8GRHA	22809	977.31	1311	N	1	87.00	E	
8GRHC	22810	810.73	1311	N	1	71.00	E	
8GRHD	22808	239.41	1311	N	1	21.00	E	
GRB	23001	44.38	1311	N	1/5	6.50	E	
GRB-275L	23018	102.52	1311	N	1/5	6.50	E	
GRBB	22800	37.77	1311	N	1	5.50	E	
GRB-BC	23020	6.81	1311	N	1	1.00	E	
GRBP	23042	77.57	1311	N	1	6.70	E	
GRB-RG	23021	2.79	1311	N	1	0.50	E	
GRCEX-0	23084	30.31	16121	N	2/10	1.42	F	
GRE	23002	116.98	1311	N	1/5	7.00	E	
GRE-308L	23112	184.17	1311	N	1	7.00	E	
GREB	22801	89.64	1311	N	1	6.00	E	
GRE-BC	23114	27.32	1311	N	1	1.50	E	
GREP	23130	153.53	1311	N	1/5	7.20	E	
GRE-RG	23138	4.00	1311	N	1		E	
GRH	23003	561.57	1311	N	1	39.90	E	
GRH-775L	23164	786.24	1311	N	1	41.20	E	
GRH-775L52B	23169	814.00	1311	N	1	41.20	E	
GRHA	23200	868.51	1311	N	1	71.90	E	
GRHA-775L	23202	1005.53	1311	N	1	73.20	E	
GRHAB	22806	746.00	1311	N	1	66.00	E	
GRHB	22805	447.95	1311	N	1	34.00	E	
GRH-BC	23166	113.61	1311	N	2	6.00	E	
GRHC	22813	693.92	1311	N	1	56.00	E	
GRHC-775L	22815	917.20	1311	N	1	58.00	E	
GRHCB	22807	590.38	1311	N	1	50.00	E	
GRHP	23188	868.33	1311	N	1	41.70	E	
GRH-RG	23198	14.51	1311	N	1		E	
GRK	23004	233.26	1311	N	1	19.50	E	
GRK-537L	23226	366.23	1311	N	1	20.0	E	
GRK-537L52A	23227	438.79	1311	N	1	20.20	E	
GRK-537L52B	23228	438.79	1311	N	1	20.20	E	
GRKB	22803	153.35	1311	N	1	16.50	E	

Refer to page 2 for explanation of symbols.

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GRK-BC	23232	79.84	1311	N	1	2.80	E	
GRKP	23252	274.34	1311	N	1	20.30	E	
GRK-RG	23262	7.78	1311	N	1	0.50	E	
GRL	23005	317.51	1311	N	1	25.00	E	
GRL-600L	23290	525.59	1311	N	1	25.90	E	
GRL-600L52B	23291	601.72	1311	N	1	26.20	E	
GRL-600L52C	23293	601.72	1311	N	1	26.20	E	
GRLB	22804	217.25	1311	N	1	21.50	E	
GRL-BC	23292	100.27	1311	N	1	3.40	E	
GRLP	23312	368.45	1311	N	1	26.00	E	
GRL-RG	23322	13.46	1311	N	1	0.50	E	
GRM	23006	125.45	1311	N	1	11.80	E	
GRM-375L	23346	196.33	1311	N	1	12.50	E	
GRM-375L52	23347	351.85	1311	N	1	12.70	E	
GRMB	22802	85.64	1311	N	1	10.50	E	
GRM-BC	23348	39.81	1311	N	1	1.30	E	
GRMP	23360	165.37	1311	N	1	12.30	E	
GRM-RG	23366	5.34	1311	N	1		E	
GRR-1	23007	26.27	16121	A	1	1.40	F	
GRR-2	23008	28.33	16121	A	1	1.30	F	
GRR-3	23009	30.71	16121	A	1	1.60	F	
GRR-BC	23390	6.80	16121	C	5	0.36	F	
GRR-RG	23391	2.43	16121	N	5		F	
GRSA	23011	38.82	16121	B	1	2.80	F	
GRSS-1	23012	37.36	16121	A	1/5	3.20	F	
GRSS-2	23013	37.36	16121	A	1/5	3.00	F	
GRSS-3	23014	37.96	16121	A	1/5	2.90	F	
GRSSA-1	23015	40.02	16121	A	1/5	3.20	F	
GRSSA-2	23016	40.02	16121	B	1/5	3.10	F	
GUF-0	27010	123.58	16140	C	1	3.50	F	
GUF-1	27001	5.79	16140	A	10/50	0.14	F	
GUF-2	27002	7.51	16140	A	10/50	0.17	F	
GUF-3	27003	13.79	16140	A	5/25	0.28	F	
GUF-4	27004	20.49	16140	A	4/20	0.40	F	
GUF-5	27005	26.33	16140	A	4/20	0.50	F	
GUF-6	27006	33.79	16140	A	4/20	0.65	F	
GUF-7	27007	58.72	16140	B	5	1.80	F	
GUF-8	27008	66.94	16140	B	5	2.50	F	
GUF-9	27009	185.39	16140	C	1	4.50	F	
GUFS-1	27024	24.87	16140	B	5	0.78	F	
GUFS-1M	17039	26.32	16151	B	5	11.70	F	
GUFS-2	27026	25.79	16140	B	5	0.72	F	
GUFS-2M	17040	27.29	16151	B	5	10.80	F	
GUM-0	27020	142.95	16140	C	1	4.00	F	
GUM-1	27011	6.55	16140	A	10/50	0.15	F	
GUM-2	27012	8.27	16140	A	10/50	0.18	F	
GUM-3	27013	14.39	16140	A	5/25	0.30	F	
GUM-4	27014	21.80	16140	A	4/20	0.50	F	
GUM-5	27015	28.50	16140	A	4/20	0.53	F	
GUM-6	27016	36.46	16140	A	4/20	0.88	F	
GUM-7	27017	60.63	16140	B	1	2.40	F	
GUM-8	27018	77.01	16140	B	5	3.00	F	
GUM-9	27019	125.45	16140	C	1	5.00	F	
GUMFS-1	27028	24.81	16140	C	5/25	0.78	F	
GUMFS-1M	17041	26.26	16151	C	5	11.70	F	
GUMFS-2	27030	27.35	16140	C	5/25	0.72	F	
GUMFS-2M	17042	28.94	16151	C	5	10.80	F	
GUML-1	27021	14.76	16140	B	10	0.18	F	
GUML-1M	01210	15.04	16240	B	10	2.70	F	Å
GUML-2	27022	14.76	16140	B	10/50	0.22	F	
GUML-2M	01211	15.04	16240	B	10	3.30	F	Å
HB-2	28014	101.47	5136	N	1	2.70	L	
HB-2-500F	30106	478.43	5136	N	1		L	
HEXA-100	28650	247.36	5136	N	1	11.80	L	
HFC	29531	23.98	1317	N	1/10	0.18	E	

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HFX-438-12	28781	1470.45	5631	N	1	50.00	L	
HFX-438-13	28787	2131.23	5631	N	1	65.00	L	
HFX-438-14	28793	2741.55	5631	N	1	110.00	L	
HFX-438-42	28782	1474.14	5631	N	1	50.00	L	
HFX-438-43	28788	2136.15	5631	N	1	65.00	L	
HFX-438-44	28794	2745.25	5631	N	1	110.00	L	
HFX-900-12	28783	1624.26	5631	N	1	50.00	L	
HFX-900-13	28789	2433.93	5631	N	1	65.00	L	
HFX-900-14	28795	3244.83	5631	N	1	110.00	L	
HFX-900-42	28784	1624.26	5631	N	1	50.00	L	
HFX-900-43	28790	2433.93	5631	N	1	65.00	L	
HFX-900-44	28796	3244.83	5631	N	1	110.00	L	
2HFX-64	28799	132.27	5631	N	1	10.00	L	
3HFX-64	28800	147.84	5631	N	1	10.00	L	
HFX-1500-12	28785	2927.86	5631	N	1	50.00	L	
HFX-1500-13	28791	3841.80	5631	N	1	65.00	L	
HFX-1500-14	28797	5852.70	5631	N	1	110.00	L	
HFX-1500-42	28786	2921.71	5631	N	1	50.00	L	
HFX-1500-43	28792	3841.80	5631	N	1	65.00	L	
HFX-1500-44	28798	5869.99	5631	N	1	110.00	L	
HFX-3C	28801	19.83	5631	N	1	2.00	L	
HG-2B	29002	15.22	5136	N	1	0.70	L	
HGSA-500F	30108	236.62	5136	N	1	17.00	L	
HIC	29500	8.59	5136	N	10/50	0.20	L	
HINGE-10L*	29528	66.73	1327	N	1	.20	E	
HINGE-10R*	29529	66.73	1327	N	1	.20	E	
*HINGES-10 & 11 SERIES CONSIST OF 2 HINGES								
HINGE-11L*	29503	66.73	1327	N	1	0.20	E	Å
HINGE-11R*	29504	66.73	1327	N	1	0.20	E	Å
HINGE-4	29518	17.92	1327	N	1	0.50	E	
HINGE-9	29526	17.92	1327	N	1	0.50	E	
HK2D	29533	27.61	1317	N	1/5	0.24	E	
HK2GLD	29534	42.86	1317	N	1/5	0.44	E	
HKAD	29535	32.29	1317	N	1/5	0.44	E	
HKB	29530	23.98	1317	N	1/5	0.38	E	
HKD-2D	29543	56.77	1317	N	1/5	0.62	E	
HKD-2DC	29538	68.96	1317	N	1/5	3.50	E	
HKD-2GLD	29544	78.29	1317	N	1/5	0.82	E	
HKD-2GLDC	29539	75.54	1317	N	1/5	5.00	E	
HKD-4D	29545	68.49	1317	N	1/5	0.82	E	
HKD-4DC	29540	66.74	1317	N	1/5	4.50	E	
HKB-B	29541	52.39	1317	N	1/5	0.56	E	
HKB-BC	29536	57.36	1317	N	1/5	3.50	E	
HKB-GL	29542	64.99	1317	N	1/5	0.66	E	
HKB-GLC	29537	68.32	1317	N	1/5	4.00	E	
HKGL	29532	35.94	1317	N	1	0.28	E	
HKSB-BC	29552	284.85	1317	N	1/5	9.50	E	
HKSB-GLC	29553	341.82	1317	N	1/5	9.50	E	
2HKB	29546	35.14	1317	N	1/5	0.50	E	
2HKB-2DC-2DC	29600	99.01	1317	N	1/5	0.98	E	
2HKB-2DC-2GLDC	29601	114.38	1317	N	1/5	1.18	E	
2HKB-2DC-4DC	29602	104.58	1317	N	1/5	1.18	E	
2HKB-2DC-BC	29603	96.28	1317	N	1/5	0.92	E	
2HKB-2DC-GLC	29604	100.24	1317	N	1/5	1.02	E	
2HKB-2GLDC-2DC	29605	114.39	1317	N	1/5	1.18	E	
2HKB-2GLDC-2GLDC	29606	128.90	1317	N	1/5	1.38	E	
2HKB-2GLDC-4DC	29607	119.18	1317	N	1/5	1.38	E	
2HKB-2GLDC-BC	29608	110.88	1317	N	1/5	1.12	E	
2HKB-2GLDC-GLC	29609	122.82	1317	N	1/5	1.22	E	
2HKB-4DC-2DC	29610	104.58	1317	N	1/5	1.18	E	
2HKB-4DC-2GLDC	29611	119.18	1317	N	1/5	1.38	E	
2HKB-4DC-4DC	29612	109.27	1317	N	1/5	1.38	E	
2HKB-4DC-BC	29613	101.07	1317	N	1/5	1.12	E	
2HKB-4DC-GLC	29614	113.03	1317	N	1/5	1.22	E	
2HKB-B-2D	29549	93.03	1317	N	1/5	0.92	E	

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2HKB-B-2GLD	29550	107.58	1317	N	1/5	1.12	E	
2HKB-B-4D	29551	97.76	1317	N	1/5	1.12	E	
2HKB-B-B	29547	89.55	1317	N	1/5	0.86	E	
2HKB-BC-2DC	29615	96.28	1317	N	1/5	0.92	E	
2HKB-BC-2GLDC	29616	110.86	1317	N	1/5	1.12	E	
2HKB-BC-4DC	29617	101.07	1317	N	1/5	1.12	E	
2HKB-BC-BC	29618	92.75	1317	N	1/5	0.86	E	
2HKB-BC-GLC	29619	104.71	1317	N	1/5	0.96	E	
2HKB-B-GL	29548	101.41	1317	N	1/5	0.96	E	
2HKB-GLC-2DC	29620	108.24	1317	N	1/5	1.02	E	
2HKB-GLC-2GLDC	29621	122.82	1317	N	1/5	1.22	E	
2HKB-GLC-4DC	29622	113.03	1317	N	1/5	1.22	E	
2HKB-GLC-BC	29623	104.71	1317	N	1/5	0.96	E	
2HKB-GLC-GLC	29624	116.67	1317	N	1/5	1.06	E	
HOOK/LOOP	03046	6.39	5901	N	1	0.50	L	
HP-2	31026	34.28	5136	N	1	0.70	L	
HP-2-500F	30102	411.86	5136	N	1		L	
HRA-500	33010	45.47	5136	N	5	0.70	L	
HRD-400	33018	57.54	5136	N	5	0.70	L	
HRME	33020	17.66	5136	N	10/50	0.30	L	
HRMO	33022	23.09	5136	N	5/25	0.60	L	
HRSD-500	33008	56.99	5136	N	1	3.20	L	
HUB1SE	95495	25.04	1362	N	1	0.18	F	Å
HUB1GE	95498	25.04	1362	N	1	0.18	F	Å
HUB2SE	95496	27.20	1362	N	1	0.31	F	Å
HUB2SE	95499	27.20	1362	N	1	0.31	F	Å
HUB3SE	95497	29.35	1362	N	1	0.43	F	Å
HUB3GE	95500	29.35	1362	N	1	0.43	F	Å
HUB4GE	95501	31.50	1362	N	1	0.56	F	Å
HUB5GE	95502	44.63	1362	N	1	0.85	F	Å
HUB6GE	95503	55.44	1362	N	1	1.04	F	Å
HUB7GE	95504	83.16	1362	N	1	1.75	F	Å
HUB8GE	95505	107.52	1362	N	1	2.45	F	Å
HX-2	35052	84.52	5136	N	1	2.70	L	
HX-2-500F	30104	461.59	5136	N	1		L	
HXB-11	35120	44.00	5136	N	1	1.15	L	
HXB-12	35122	44.00	5136	N	1	1.15	L	
HXB-21	35126	44.91	5136	N	1	1.15	L	
HXB-22	35015	44.91	5136	N	1	1.15	L	
JABC	36502	12.67	16122	N	5/25	0.86	F	
JAH-1	36504	15.00	16122	N	5/25	0.94	F	
JAH-2	36506	16.32	16122	N	5/25	0.90	F	
JALX-1	36508	25.04	16122	N	1/5	2.10	F	
JALX-10	36516	39.35	16122	N	1/5	3.20	F	
JALX-11	36518	41.83	16122	N	1	3.30	F	
JALX-12	36520	42.30	16122	N	1	3.20	F	
JALX-2	36510	29.33	16122	N	1/5	2.02	F	
JALX-20	36522	41.12	16122	N	1/5	3.20	F	
JALX-21	36524	44.20	16122	N	1	3.30	F	
JALX-22	36526	44.78	16122	N	1	3.30	F	
JALX-3	36500	31.65	16122	N	1/5	2.10	F	
JALX-30	36528	44.37	16122	N	1/5	3.30	F	
JALX-31	36530	48.53	16122	N	1/5	3.40	F	
JALX-32	36532	47.02	16122	N	1	3.40	F	
JALX-4	36512	36.45	16122	N	1	2.04	F	
JALX-40	36534	49.17	16122	N	1	3.24	F	
JALX-5	36514	37.15	16122	N	1/5	2.16	F	
JCB	36546	7.16	16122	N	5	0.50	F	
JH-1	36548	9.75	16122	N	5	0.62	F	
JH-2	36550	10.00	16122	N	5/25	0.62	F	
JLC-1	36552	16.04	16122	N	1	1.20	F	
JLC-10	36556	23.48	16122	N	1	1.60	F	
JLC-11	36558	25.63	16122	N	1	1.70	F	
JLC-12	36560	26.12	16122	N	1	1.70	F	
JLC-2	36554	16.05	16122	N	1	1.20	F	
JLC-20	36562	24.19	16122	N	1	1.70	F	
JLC-21	36564	26.46	16122	N	1	1.70	F	
JLC-22	36566	26.79	16122	N	1	1.70	F	
JL-RG	36600	1.38	16122	N	5		F	
JLX-1	36618	17.80	16122	N	1	1.26	F	
JLX-10	36622	25.36	16122	N	1	1.80	F	
JLX-11	36624	27.72	16122	N	1	1.90	F	
JLX-12	36626	28.00	16122	N	1	1.90	F	
JLX-2	36620	20.12	16122	N	1	1.26	F	
JLX-20	36628	27.78	16122	N	1	1.70	F	
JLX-21	36630	29.82	16122	N	1	1.80	F	
JLX-22	36632	30.37	16122	N	1	1.80	F	
K050	99792	2.40	15701	A	50/200	0.07	F	
K0381	99109	2.61	15701	A	25/100	0.16	F	
K0381-G	38350	4.27	15701	N	25	0.19	F	
K0381-MG	38325	15.82	15706	N	10	0.50	F	
K0384	99795	4.06	15701	A	25	0.43	F	
K03841	99800	4.90	15701	A	25	0.43	F	
K03841-G	38371	5.36	15701	N	25	0.29	F	
K03841-MG	38342	16.17	15706	N	10	0.50	F	
K0386	99796	3.03	15701	A	25/100	0.10	F	
K03861	99119	4.55	15701	A	25/100	0.11	F	
K03861-G	38361	5.71	15701	N	25	0.29	F	
K03861-MG	38335	17.44	15706	N	10	0.50	F	
K0386-CP	04918	3.76	15707	N	50	0.50	F	
K050	99793	2.40	15701	A	50/200	0.08	F	
K0501	99797	2.61	15701	A	50/200	0.08	F	
K0501-G	38351	4.27	15701	N	25	0.22	F	
K0501-MG	38326	15.53	15706	N	10	0.50	F	
K0504	99113	3.96	15701	A	25	0.50	F	
K05041	99847	4.55	15701	A	25	0.50	F	
K05041-G	38372	5.78	15701	N	25	0.32	F	
K05041-MG	38343	18.02	15706	N	10	0.50	F	
K0506	99798	3.03	15701	A	25/100	0.11	F	
K05061	99121	4.55	15701	A	25/100	0.13	F	
K05061-G	38362	5.71	15701	N	25	0.31	F	
K05061-MG	38336	18.02	15706	N	10	0.50	F	
K075	99794	3.42	15701	A	25/100	0.10	F	
K0751	99115	3.96	15701	A	25/100	0.10	F	
K0751-G	38352	5.48	15701	N	25	0.25	F	
K0751-MG	38327	20.18	15706	N	10	0.50	F	
K0754	99799	6.12	15701	A	25	0.76	F	
K07541	99848	6.84	15701	B	25	0.76	F	
K07541-G	38373	9.47	15701	N	25	0.43	F	
K07541-MG	38344	23.18	15706	N	10	0.50	F	
K0756	99117	6.12	15701	A	25/100	0.16	F	
K07561	99123	6.58	15701	A	25/100	0.19	F	
K07561-G	38363	8.48	15701	N	25	0.45	F	
K07561-MG	38337	23.18	15706	N	10	0.50	F	
K100	99849	4.02	15701	B	10	0.89	F	
K1001	99133	6.86	15701	B	10	0.83	F	
K1001-G	38353	8.37	15701	N	10	0.43	F	
K1001-MG	38328	23.98	15706	N	10	0.50	F	
K1004	99855	11.30	15701	B	10	1.44	F	
K10041	99864	12.86	15701	C	10	1.44	F	
K10041-G	38374	15.82	15701	N	10	0.56	F	
K10041-MG	38345	33.15	15706	N	10	1.00	F	
K1006	99135	11.30	15701	A	10	1.53	F	
K10061	99153	12.58	15701	B	10	1.44	F	
K10061-G	38364	15.25	15701	N	10	0.66	F	
K10061-MG	38338	33.15	15706	N	10	2.00	F	
K125	99850	6.78	15702	B	10	1.52	F	
K1251	99856	9.42	15702	B	10	1.55	F	
K1251-G	38354	14.21	15702	N	10	0.69	F	
K1251-MG	38329	30.03	15706	N	2	1.00	F	

Refer to page 2 for explanation of symbols.

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K1254	99137	17.35	15702	C	10	1.91	F	
K12541	99154	18.36	15702	C	10	2.79	F	
K12541-G	38375	25.96	15702	N	10	0.85	F	
K12541-MG	38346	43.31	15706	N	2	1.00	F	
K1259	99857	17.29	15702	B	10	2.60	F	
K12591	99155	18.31	15702	B	10	1.91	F	
K12591-G	38365	24.95	15702	N	10	1.01	F	
K12591-MG	38339	43.31	15706	N	2	1.50	F	
K150	99127	12.47	15702	B	5	1.88	F	
K1501	99139	13.32	15702	B	5	1.92	F	
K1501-G	38355	24.31	15702	N	5	0.94	F	
K1501-MG	38330	44.35	15706	N	2	1.00	F	
K1504	99858	21.20	15702	C	5	2.04	F	
K15041	99865	22.75	15702	N	5	3.24	F	
K15041-G	38376	31.24	15702	N	5	1.32	F	
K15041-MG	38347	59.02	15706	N	2	2.00	F	
K1509	99141	21.20	15702	C	5	2.90	F	
K15091	99157	22.65	15702	C	5	2.04	F	
K15091-G	38366	30.46	15702	N	5	1.44	F	
K15091-MG	38340	59.02	15706	N	2	2.00	F	
K200	99851	22.27	15702	B	5	1.22	F	
K2001	99859	25.22	15702	B	5	1.32	F	
K2001-G	38356	30.66	15702	N	5	1.28	F	
K2001-MG	38331	68.78	15706	N	2	2.00	F	
K2004	99143	31.00	15702	N	5	2.70	F	
K20041	99866	34.00	15702	N	5	2.70	F	
K20041-G	38377	43.48	15702	N	5	3.10	F	
K20041-MG	38348	81.36	15706	N	2	2.00	F	
K2009	99860	36.84	15702	C	5	2.06	F	
K20091	99159	33.74	15702	C	5	2.70	F	
K20091-G	38367	42.04	15702	N	5	2.04	F	
K20091-MG	38341	81.36	15706	N	2	2.50	F	
K250	99129	108.71	15703	C	1	3.00	F	
K2501	99145	128.73	15703	C	1	3.10	F	
K2501-G	38357	138.63	15703	N	1	3.40	F	
K2501-MG	38332	161.61	15706	N	2	3.50	F	
K2509	99861	137.09	15703	N	1	5.00	F	
K25091	99867	160.22	15703	N	1	5.00	F	
K25091-G	38368	166.78	15703	N	1	5.50	F	
K300	99852	122.51	15703	C	1	4.10	F	
K3001	99147	143.72	15703	C	1	4.20	F	
K3001-G	38358	153.73	15703	N	1	4.40	F	
K3001-MG	38333	232.39	15706	N	2	5.00	F	
K3009	99862	181.95	15703	N	1	6.30	F	
K30091	99161	207.44	15703	N	1	6.30	F	
K30091-G	38369	195.77	15703	N	1	6.90	F	
K350	99853	144.47	15703	N	1	5.00	F	
K3501	99149	172.98	15703	N	1	5.10	F	
K3501-G	38359	162.68	15703	N	1	5.20	F	
K400	99854	144.66	15703	N	1	5.50	F	
K4001	99863	172.21	15703	N	1	5.70	F	
K4001-G	38360	176.95	15703	N	1	6.20	F	
K4001-MG	38334	268.00	15706	N	2	0.50	F	
K4009	99151	212.06	15703	N	1	9.50	F	
K40091	99868	248.58	15703	N	1	9.50	F	
K40091-G	38370	250.17	15703	N	1	10.30	F	
K4040	98005	25.21	5382	N	1		L	
KAADD11-3030	03510	8.13	9345	N	1	0.22	C	
KB Series Prism Heaters are $9.93 each								
KB1B	38160	20.82	1327	C	5		E	
KB1D	38161	20.82	1327	C	5	0.50	E	
KC Series Prism Heaters are $9.93 each								
KD Series Prism Heaters are $9.93 each								
KDB-1	36700	19.41	1327	B	10	0.16	E	
KEFHM-75	38181	8.54	5631	N	1	1.00	L	

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KESD-75	38184	109.99	5631	N	1	4.00	L	
KFC8	99081	14.46	5382	N	1	3.00	L	
KFH250-76	38402	346.25	5382	N	1	30.00	L	
KFH255-76	38403	346.25	5382	N	1	30.00	L	
KFH400-76	38406	370.88	5382	N	1	33.00	L	
KFH405-76	38407	370.88	5382	N	1	33.00	L	
KFH5075	38182	13.25	5631	N	1	1.00	L	
KFH150-76	38408	365.69	5382	N	1	28.00	L	
KFH155-76	38409	365.69	5382	N	1	28.00	L	
KFH250-76	38411	484.46	5382	N	1	39.00	L	
KFH255-76	38413	484.46	5382	N	1	39.00	L	
KFH400-76	38415	421.89	5382	N	1	40.00	L	
KFH405-76	38417	421.89	5382	N	1	40.00	L	
KFS-6	99091	23.25	5382	N	1	4.00	L	
KFS-67	99785	52.97	5382	N	1	4.50	L	
KFWB	99105	45.22	5382	N	1	9.00	L	
KH Series Prism Heaters are $29.78 for Pack of Three Heaters								
KIT-102	36802	114.97	5901	N	1		L	
KIT-103	36804	114.97	5901	N	1		L	
KIT-104	36806	114.97	5901	N	1		L	
KIT-105	36808	114.97	5901	N	1		L	
KIT-106	36810	114.97	5901	N	1		L	
KIT-134	36846	18.25	5901	N	1	0.20	L	
KIT-135	36848	31.65	5901	N	1		L	
KIT-136	36850	18.25	5901	N	1		L	
KIT-137	36852	31.65	5901	N	1		L	
KIT-138	36854	27.88	5901	N	1		L	
KIT-139	36856	50.26	5901	N	1		L	
KIT-140	36858	27.69	5901	N	1		L	
KIT-141	36860	50.26	5901	N	1		L	
KIT-142	36862	27.65	5901	N	1		L	
KIT-143	36864	50.26	5901	N	1		L	
KIT-144	36866	27.65	5901	N	1		L	
KIT-182	36884	74.66	5901	N	1		L	
KIT-183	36886	37.89	5901	N	1		L	
KIT-184	36888	74.66	5901	N	1		L	
KIT-232	36889	31.65	9370	N	1	0.40	C	Å
KIT-251	36905	11.77	1327	N	1		E	
KIT-252	36906	15.98	7280	N	1		DE	
KIT-323	36924	46.62	5901	N	1		L	
KIT-354	99163	29.18	9150	N	1		C	
KIT-356	99869	29.18	9150	N	1	0.10	C	
KIT-356	99165	29.18	9150	N	1		C	
KIT-357	99166	29.18	9150	N	1	0.50	C	
KIT-358	99167	29.18	9150	N	1		C	
KIT-359	99168	29.18	9150	N	1	0.10	C	
KKA-1	96140	29.86	9330	N	1	0.50	C	
KKA-2	96141	18.18	9330	N	1		C	
KKA-3	96142	18.18	9330	N	1	0.50	C	
KOR-1	38170	0.77	15701	A	50/100	0.50	F	
KOR-2	38171	0.88	15701	A	25/50		F	
KOR-3	38172	1.16	15701	A	25/50		F	
KOR-4	38173	1.82	15702	A	5/25	0.50	F	
KOR-5	38174	2.21	15702	A	5/25	0.50	F	
KOR-6	38175	2.66	15702	A	5/25	0.50	F	
KP-25ABC	37001	74.66	11274	B	1	1.00	PR	
KP-303023	37002	158.65	11274	B	1	1.00	PR	
KP-303045	37003	158.65	11274	N	1	1.50	PR	
KP-303545	37004	158.99	11274	N	1	1.50	PR	
KP-303557	37005	158.65	11274	N	1	1.50	PR	
KP-304023	37006	185.13	11274	N	1	1.00	PR	
KP-304045	37007	185.13	11274	N	1	1.50	PR	
KP-304565	37008	185.13	11274	N	1	1.50	PR	
KP-304557	37009	185.13	11274	N	1	1.50	PR	
KP-305545	37010	175.68	11274	N	1/5	2.00	PR	

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KP-603E45	37011	175.68	11274	N	1/5	2.00	PR	
KP-603E67	37012	175.68	11274	N	1/5	2.50	PR	
KP-604D345	37013	191.73	11274	N	1/5	2.50	PR	
KP-604E45	37014	191.73	11274	N	1/5	2.50	PR	
KP-604E67	37015	191.73	11274	N	1/5	2.70	PR	
KP-604F34	37016	191.73	11274	N	1/5	2.70	PR	
KP-604F56	37017	191.73	11274	N	1/5	2.50	PR	
KRAJAC-4603	39020	350.19	11274	N	1	7.80	PR	
KRAJAC-4604	39022	392.87	11274	N	1	7.80	PR	
KRAJAC-5603	39024	366.78	11274	N	1	7.90	PR	
KRAJAC-5604	39026	411.09	11274	N	1	7.90	PR	
KRAJAC-6603	39028	366.78	11274	N	1	7.80	PR	
KRAJAC-6604	39030	411.09	11274	N	1	7.80	PR	
KRAJAE-6603	39040	357.08	11274	N	1	7.70	PR	
KRAJAE-6604	39042	401.48	11274	N	1	7.70	PR	
KRAJAT-5603	39044	366.78	11274	N	1	7.80	PR	
KRAJAT-5604	39046	411.09	11274	N	1	7.80	PR	
KRAJC-2303	39066	281.38	11274	N	1	3.30	PR	
KRAJC-2304	39068	303.84	11274	N	1	3.30	PR	
KRAJC-3303	39070	282.48	11274	N	1	3.30	PR	
KRAJC-3304	39072	305.02	11274	N	1	3.30	PR	
KRAJT-220	39076	171.84	11274	N	1	2.50	PR	
KRAJT-2303	39084	253.15	11274	N	1	3.00	PR	
KRAJT-2304	39086	305.69	11274	N	1	3.00	PR	
KRAJT-320	39078	173.26	11274	N	1	2.50	PR	
KRAJT-3303	39088	284.57	11274	N	1	3.00	PR	
KRAJT-3304	39090	307.11	11274	N	1	3.00	PR	
KRJ-20	39001	140.47	11274	N	1	1.50	PR	
KRJ-303	39002	257.40	11274	N	1	2.00	PR	
KRJ-303 SU-78		257.40	11274	N	1/5		PR	
KRJ-304	39003	279.94	11274	N	1	2.00	PR	
KRJ-304 SU-78		279.94	11274	N	1/5	4.60	PR	
KRJ-603	39004	331.76	11274	N	1	4.50	PR	
KRJ-603 SU-78		331.76	11274	N	1	4.60	PR	
KRJ-604	39005	376.16	11274	N	1	4.50	PR	
KRJC-120	39092	162.90	11274	N	1	2.70	PR	
KRJC-1303	39096	274.21	11274	N	1	3.20	PR	
KRJC-1304	39098	296.75	11274	N	1	3.20	PR	
KRJC-220	39094	163.54	11274	N	1	2.70	PR	
KRJC-2303	39100	274.65	11274	N	1	3.20	PR	
KRJC-2304	39102	297.39	11274	N	1	3.20	PR	
KRJX-120	39140	164.75	11274	N	1	2.80	PR	
KRJX-1303	39144	276.06	11274	N	1	3.30	PR	
KRJX-1304	39146	298.60	11274	N	1	3.30	PR	
KRJX-220	39142	167.17	11274	N	1	2.80	PR	
KRJX-2303	39148	278.48	11274	N	1	3.30	PR	
KRJX-2304	39150	301.02	11274	N	1	3.30	PR	
KRJX-3603	39156	364.91	11274	N	1	6.60	PR	
KRJX-3604	39158	409.31	11274	N	1	6.60	PR	
KRJX-4603	39160	380.94	11274	N	1	6.50	PR	
KRJX-4604	39162	414.34	11274	N	1	6.50	PR	
KRS-20	39006	140.94	11274	B	1	1.50	PR	
KRS-20 SU-78		140.94	11274	N	1	2.00	PR	
KRS-215-120	39168	162.62	11274	N	1	2.70	PR	
KRS-215-1303	39174	273.71	11274	N	1	3.70	PR	
KRS-215-1304	39176	286.35	11274	N	1	3.70	PR	
KRS-215-220	39170	162.92	11274	N	1	2.70	PR	
KRS-215-2303	39178	274.81	11274	N	1	3.70	PR	
KRS-215-2304	39180	286.65	11274	N	1	3.70	PR	
KRS-215-320	39172	163.83	11274	N	1	2.70	PR	
KRS-215-3303	39182	275.82	11274	N	1	3.70	PR	
KRS-215-3304	39184	289.86	11274	N	1	3.70	PR	
KRS-218-120	39186	162.62	11274	N	1	2.80	PR	
KRS-218-1303	39190	273.71	11274	N	1	3.80	PR	
KRS-218-1304	39192	286.35	11274	N	1	3.80	PR	
KRS-218-220	39009	163.93	11274	N	1	2.80	PR	
KRS-218-2303	39194	275.82	11274	N	1	3.80	PR	
KRS-218-2304	39196	289.86	11274	N	1	3.80	PR	
KRS-218-320	39188	164.23	11274	N	1	2.80	PR	
KRS-218-3303	39198	275.32	11274	N	1	3.80	PR	
KRS-218-3304	39200	289.96	11274	N	1	3.80	PR	
KRS-303	39007	252.03	11274	N	1	2.00	PR	
KRS-303 SU-78		252.03	11274	N	1/5	2.50	PR	
KRS-304	39008	266.67	11274	N	1	2.50	PR	
KRS-304 SU-78		266.67	11274	N	1/5	2.50	PR	
2KRS-215-120	39202	325.25	11274	N	1	5.70	PR	
2KRS-215-220	39204	325.84	11274	N	1	5.70	PR	
2KRS-215-320	39206	326.59	11274	N	1	5.70	PR	
2KRS-218-120	39208	325.84	11274	N	1	5.70	PR	
2KRS-218-220	39210	326.66	11274	N	1	5.70	PR	
2KRS-218-320	39212	326.99	11274	N	1	5.70	PR	
KSA-001	95384	13.19	9345	N	1	0.02	C	Å
KSA-002	95385	17.58	9345	N	1	0.02	C	Å
KSA-003	95386	29.25	9345	N	1	0.02	C	Å
KSA-007	95387	66.26	9345	N	1	0.02	C	Å
KSA-008-1	95388	91.99	9345	N	1	0.02	C	Å
KSA-008-2	95389	91.99	9345	N	1	0.02	C	Å
KSA-008-3	95390	91.99	9345	N	1	0.02	C	Å
KSA-009	95391	71.82	9345	N	1	0.02	C	Å
KSA-010	95964	23.49	9345	N	1	0.02	C	Å
KSA-012	95965	23.49	9345	N	1	0.02	C	Å
KSA-014	95967	24.54	9345	N	1	0.02	C	Å
KSA-015	95966	25.33	9345	N	1	0.02	C	Å
KSA-023	95968	27.80	9345	N	1	0.02	C	Å
KSA-726-2R	03350	28.25	9345	N	1	1.10	C	Å
KSA-726-2T	03366	28.25	9345	N	1	1.10	C	Å
KSA-726-RR	03382	28.25	9345	N	1	1.10	C	Å
KSA-726-TR	95970	28.25	9345	N	1	1.10	C	Å
KSA-726-TT	03414	28.25	9345	N	1	1.10	C	Å
KSA-730	95789	5.23	9345	N	1	0.50	C	Å
KSA-0231	95776	27.80	9347	N	1	0.09	C	Å
KSA-P10	95813	13.74	9345	N	1	0.06	C	Å
KSA-P100	95814	13.74	9345	N	1	0.06	C	Å
KSA-P6	95812	13.74	9345	N	1	0.05	C	Å
KSBF-M25	98929	21.54	16910	N	1	0.50	F	Å
KSBP-001	03462	12.81	9345	N	1	0.22	C	Å
KSBP-002	03478	12.81	9345	N	1	0.22	C	Å
KSBP-M20	98894	12.81	9345	N	1	0.22	C	Å
KSBP-M25	98895	12.81	9345	N	1	0.22	C	Å
KSCB-NC	95355	16.92	9347	N	1	0.06	C	Å
KSCB-NB	95356	16.92	9347	N	1	0.06	C	Å
KSH-002	03494	8.13	9345	N	1	0.43	C	Å
KSH-002F	03542	30.49	9345	N	1	1.00	C	Å
KSH-M20	95923	21.03	9345	N	1	1.00	C	Å
KSHA-3	03430	18.31	9345	N	1	0.09	C	Å
KSL-020	95961	2.45	9345	N	1	0.03	C	Å
KSL02050	95749	4.16	9345	N	1	0.02	C	Å
KSL03050	95383	12.73	9345	N	1	0.02	C	Å
KSL-040	97658	2.45	9345	N	1	0.03	C	Å
KSL04050	95751	4.16	9345	N	1	0.02	C	Å
KSL-050	95963	2.45	9345	N	1	0.03	C	Å
KSL05050	95752	4.16	9345	N	1	0.02	C	Å
KSL-060	97660	2.45	9345	N	1	0.03	C	Å
KSL06050	95753	4.16	9345	N	1	0.02	C	Å
KSL-070	97661	2.45	9345	N	1	0.03	C	Å
KSL07050	95755	4.16	9345	N	1	0.02	C	Å
KSL-080	97662	2.45	9345	N	1	0.03	C	Å
KSL08050	95756	4.16	9345	N	1	0.02	C	Å
KSL-090	97663	2.45	9345	N	1	0.03	C	Å
KSL09050	95757	4.16	9345	N	1	0.02	C	Å

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
KSL-100	97664	2.45	9345	N	1	0.03	C	Å
KSL-110	97665	2.45	9345	N	1	0.03	C	Å
KSL-120	97666	2.45	9345	N	1	0.03	C	Å
KSL-130	97667	2.45	9345	N	1	0.03	C	Å
KSL-140	97668	2.45	9345	N	1	0.03	C	Å
KSL-162287	99982	4.29	9345	N	1	0.03	C	Å
KSL-18850	95748	2.06	9345	N	1	0.02	C	Å
KSL-22850	95749	2.06	9345	N	1	0.02	C	Å
KSL-23856	03446	4.10	9345	N	1	0.02	C	Å
KSL-280	97669	2.45	9345	N	1	0.03	C	Å
KSL62296	95382	12.56	9345	N	1	0.02	C	Å
KSL-820	97670	2.45	9345	N	1	0.03	C	Å
KSL-830	97671	2.45	9345	N	1	0.03	C	Å
KSL-840	97672	2.45	9345	N	1	0.03	C	Å
KSL-870	97673	2.45	9345	N	1	0.03	C	Å
KSL-880	97674	2.45	9345	N	1	0.03	C	Å
KSL-900	97675	2.45	9345	N	1	0.03	C	Å
KSL-920	97676	2.45	9345	N	1	0.03	C	Å
KSL-930	97677	2.45	9345	N	1	0.03	C	Å
KSL-940	97678	2.45	9345	N	1	0.03	C	Å
KSL-950	97679	2.45	9345	N	1	0.03	C	Å
KSL-960	97680	2.45	9345	N	1	0.03	C	Å
KSL-970	97681	2.45	9345	N	1	0.03	C	Å
KSL-990	97682	2.45	9345	N	1	0.03	C	Å
KSLU-A	98647	62.55	9345	N	1	0.50	C	Å
KSLU-B	98654	62.55	9345	N	1	0.50	C	Å
KSLU-G	98655	62.55	9345	N	1	0.50	C	Å
KSLU-R	98656	62.55	9345	N	1	0.50	C	Å
KSLU-W	98657	62.55	9345	N	1	0.50	C	Å
KSM-A1-0015		236.18	9905	N			C	Å
KSM-A1-0210		236.18	9905	N			C	Å
KSM-A1-0525		236.18	9905	N			C	Å
KSM-A1-1005		236.18	9905	N			C	Å
KSM-A1-1050		236.18	9905	N			C	Å
KSM-A1-1507		236.18	9905	N			C	Å
KSM-A1-1575		236.18	9905	N			C	Å
KSM-A1-2001		236.18	9905	N			C	Å
KSM-A1-2010		236.18	9905	N			C	Å
KSM-A1-2501		236.18	9905	N			C	Å
KSM-A1-2512		236.18	9905	N			C	Å
KSM-A1-3001		236.18	9905	N			C	Å
KSM-A1-3015		236.18	9905	N			C	Å
KSM-A1-4020		236.18	9905	N			C	Å
KSM-A1-5025		236.18	9905	N			C	Å
KSM-A1-6003		236.18	9905	N			C	Å
KSM-A1-7537		236.18	9905	N			C	Å
KSM-A5-0015		236.18	9905	N			C	Å
KSM-A5-0210		236.18	9905	N			C	Å
KSM-A5-0525		236.18	9905	N			C	Å
KSM-A5-1005		236.18	9905	N			C	Å
KSM-A5-1050		236.18	9905	N			C	Å
KSM-A5-1507		236.18	9905	N			C	Å
KSM-A5-1575		236.18	9905	N			C	Å
KSM-A5-2001		236.18	9905	N			C	Å
KSM-A5-2010		236.18	9905	N			C	Å
KSM-A5-2501		236.18	9905	N			C	Å
KSM-A5-2512		236.18	9905	N			C	Å
KSM-A5-3001		236.18	9905	N			C	Å
KSM-A5-3015		236.18	9905	N			C	Å
KSM-A5-4020		236.18	9905	N			C	Å
KSM-A5-5025		236.18	9905	N			C	Å
KSM-A5-6003		236.18	9905	N			C	Å
KSM-A5-7537		236.18	9905	N			C	Å
KSM-AD-0012		236.18	9905	N			C	Å
KSM-AD-0048		236.18	9905	N			C	Å
KSM-AD-0204		236.18	9905	N			C	Å
KSM-AD-0612		236.18	9905	N			C	Å
KSM-AD-1020		236.18	9905	N			C	Å
KSM-AD-1530		236.18	9905	N			C	Å
KSP-753	95959	5.39	9345	N	1	0.22	C	Å
KSPLB-A	95782	6.46	9345	N	1	0.04	C	Å
KSPLB-B	95783	6.46	9345	N	1	0.04	C	Å
KSPLB-G	95784	6.46	9345	N	1	0.04	C	Å
KSPLB-R	95785	6.46	9345	N	1	0.04	C	Å
KSPLB-W	95786	6.46	9345	N	1	0.04	C	Å
KSPOT01		254.85	9905	N	1	0.35	C	Å
KSPOT02		254.85	9905	N	1	0.35	C	Å
KSPOT03		254.85	9905	N	1	0.35	C	Å
KSPOT04		254.85	9905	N	1	0.35	C	Å
KSPOT05		254.85	9905	N	1	0.35	C	Å
KSPOT06		254.85	9905	N	1	0.35	C	Å
KSPOT07		254.85	9905	N	1	0.35	C	Å
KSPOT08		254.85	9905	N	1	0.35	C	Å
KSPOT09		254.85	9905	N	1	0.35	C	Å
KSPOT10		254.85	9905	N	1	0.35	C	Å
KSPOT11		254.85	9905	N	1	0.35	C	Å
KSPOT12		254.85	9905	N	1	0.35	C	Å
KSPOT13		254.85	9905	N	1	0.35	C	Å
KSPOT14		254.85	9905	N	1	0.35	C	Å
KSPOT15		254.85	9905	N	1	0.35	C	Å
KSRA-731	95787	19.92	9345	N	1	0.50	C	Å
KSRA-732	95788	17.68	9345	N	1	0.50	C	Å
KSRA-734	95790	19.81	9345	N	1	0.50	C	Å
KSS-062	98919	24.15	9345	N	1	0.50	C	Å
KSS-065	98920	24.15	9345	N	1	0.50	C	Å
KSS-016	98921	24.15	9345	N	1	0.50	C	Å
KSS-027	98922	24.15	9345	N	1	0.50	C	Å
KSS-038	98924	24.15	9345	N	1	0.50	C	Å
KSS-049	98925	24.15	9345	N	1	0.50	C	Å
KSS-102	95791	63.00	9345	N	1	0.50	C	Å
KSS-105	95792	63.00	9345	N	1	0.50	C	Å
KSS-106	95793	63.00	9345	N	1	0.50	C	Å
KSS-110	95795	63.00	9345	N	1	0.50	C	Å
KSS119	95798	63.00	9345	N	1	0.50	C	Å
KSS-120	95799	63.00	9345	N	1	0.50	C	Å
KST9-212	95781	37.45	9345	N	1	0.20	C	Å
KSW-305	03526	9.02	9345	N	1	0.45	C	Å
KSW-740		28.83	9905	N			C	Å
KT-1065041G	39216	45.53	5131	N	1	1.20	L	
KT-1065041R	39214	45.53	5131	N	1	1.20	L	
L17	01150	4.56	15211	A	5	0.50	F	Å
L17SA	08050	4.00	15201	A	5	0.38	F	
L27	01151	6.85	15211	A	5	1.50	F	Å
L27SA	08051	6.59	15201	A	5	0.50	F	
L37	01152	8.87	15211	A	2	5.00	F	Å
L37SA	08052	8.78	15201	A	2	0.70	F	
L47	01153	10.52	15212	B	2		F	Å
L47SA	08053	10.13	15202	A	2	1.50	F	
L57	01154	25.48	15212	B	2	3.50	F	Å
L57SA	08054	24.62	15202	A	2	1.65	F	
L67	01155	36.59	15212	B	1	5.50	F	Å
L67SA	08055	34.66	15202	A	1	2.10	F	
L77	01156	80.66	15213	B	1	13.00	F	Å
L77SA	08056	78.62	15203	B	1	6.00	F	
L87	01157	90.80	15213	B	1	9.00	F	Å
L87SA	08057	86.81	15203	B	1	4.90	F	
LB107	01109	149.71	15213	A	1	18.00	F	Å
LB107SA	08009	147.66	15203	B	1	8.20	F	
LB108	48114	156.00	15220	C	1	16.50	F	Å
LB17	01100	4.74	15211	A	5	1.00	F	Å

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
LB17SA	08000	4.74	15201	A	5	0.38	F	
LB18	48105	5.50	15218	A	5	1.20	F	Å
LB27	01101	5.68	15211	A	5	1.50	F	Å
LB27SA	08001	5.60	15201	A	5	0.50	F	
LB28	48106	6.40	15218	A	5	1.60	F	Å
LB37	01102	8.56	15211	A	5	2.00	F	Å
LB37SA	08002	8.43	15201	A	5	0.68	F	
LB38	48107	9.40	15218	A	5	1.70	F	Å
LB448	48108	14.90	15219	A	1	3.40	F	Å
LB47	01103	13.62	15212	A	2	2.00	F	Å
LB47SA	08003	13.45	15202	A	2	1.00	F	
LB57	01104	17.50	15212	A	2	3.00	F	Å
LB57SA	08004	17.38	15202	A	2	1.25	F	
LB58	48109	20.20	15219	A	1	4.80	F	Å
LB67	01105	26.00	15212	A	1	4.00	F	Å
LB67SA	08005	28.50	15202	A	1	1.80	F	
LB68	48110	32.40	15219	A	1	8.20	F	Å
LB77	01106	68.05	15213	A	1	15.00	F	Å
LB77SA	08006	59.83	15203	B	1	5.30	F	
LB78	48111	62.35	15220	B	1	13.30	F	Å
LB87	01107	86.80	15213	A	1	11.00	F	Å
LB87SA	08007	79.70	15203	B	1	4.70	F	
LB88	48112	83.50	15220	B	1	14.60	F	Å
LB97	01108	133.97	15213	A	1	21.00	F	Å
LB97SA	08008	131.32	15203	B	1	10.00	F	
LB98	48113	136.50	15220	C	1	17.00	F	Å
LK01	96574	42.00	9345	N	1	0.15	C	
LK02	96575	42.00	9345	N	1	0.15	C	
LK03	95805	57.75	9345	N	1	0.15	C	
LK10	95806	52.50	9345	N	1	0.15	C	
LK11	95807	95.55	9345	N	1	0.15	C	
LK20	95808	52.50	9345	N	1	0.15	C	
LK23	95809	47.25	9345	N	1	0.15	C	
LL167	01119	149.71	15213	A	1	18.00	F	Å
LL167SA	08019	147.00	15203	B	1	8.20	F	
LL17	01110	4.74	15211	A	5	1.00	F	Å
LL17SA	08010	4.74	15201	A	5	0.38	F	
LL18	48115	5.50	15218	A	5	1.20	F	Å
LL27	01111	5.68	15211	A	5	1.00	F	Å
LL27SA	08011	5.60	15201	A	5	0.50	F	
LL28	48116	6.40	15218	A	5	1.60	F	Å
LL37	01112	8.56	15211	A	5	2.00	F	Å
LL37SA	08012	8.43	15201	A	5	0.68	F	
LL38	48117	9.40	15218	A	5	1.70	F	Å
LL448	48118	14.95	15219	A	1	3.40	F	Å
LL47	01113	13.62	15212	A	2	2.50	F	Å
LL47SA	08013	13.45	15202	A	2	1.00	F	
LL57	01114	17.50	15212	A	2	3.00	F	Å
LL57SA	08014	17.38	15202	A	2	1.25	F	
LL58	48119	20.20	15219	A	1	5.10	F	Å
LL67	01115	29.00	15212	A	1		F	Å
LL67SA	08015	28.50	15202	A	1	1.80	F	
LL68	48120	32.35	15219	A	1	8.00	F	Å
LL77	01116	68.00	15213	A	1	14.00	F	Å
LL77SA	08016	59.83	15203	B	1	5.30	F	
LL78	48121	62.35	15220	B	1	14.60	F	Å
LL801250	03075	45.60	5671	N	1		L	Å
LL801440	03076	48.75	5671	N	1		L	Å
LL802250	03077	45.60	5671	N	1		L	Å
LL802440	03078	48.75	5671	N	1		L	Å
LL803750	03080	21.62	5671	N	1		L	Å
LL803900	03081	8.10	5671	N	1		L	Å
LL807750	03079	17.72	5671	N	1		L	Å
LL87	01117	86.80	15213	A	1	10.00	F	Å
LL87SA	08017	79.70	15203	B	1	4.70	F	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
LL88	48122	83.50	15220	B	1	14.20	F	Å
LL97	01118	133.97	15213	B	1	20.00	F	Å
LL97SA	08018	131.32	15203	B	1	10.00	F	
LLC223120N	95938	168.14	5671	N	1	0.25	L	Å
LL-EXIT-80	95506	21.77	5671	N	1	0.25	L	Å
LL-EXIT-81	95209	21.77	5671	N	1	0.25	L	Å
LL-EXIT-82	96393	21.77	5671	N	1	0.25	L	Å
LL-EXIT-83	96409	21.77	5671	N	1	0.25	L	Å
LLI14282FI	03059	382.22	5671	N	1		L	Å
LLI17282FI	03060	422.99	5671	N	1		L	Å
LLI24282FI	03071	267.95	5671	N	1		L	Å
LLI27282FI	03072	291.98	5671	N	1		L	Å
LLIE14282FI	03061	1142.69	5671	N	1		L	Å
LLIE17282FI	03062	1459.99	5671	N	1		L	Å
LLIE24282FI	03073	984.38	5671	N	1		L	Å
LLIE27282FI	03074	1635.99	5671	N	1		L	Å
LLIM13123FN	03055	382.22	5671	N	1		L	Å
LLIM16123FN	03056	422.99	5671	N	1		L	Å
LLIM23123FN	03063	267.95	5671	N	1		L	Å
LLIM24123FN	03064	267.95	5671	N	1		L	Å
LLIM26123FN	03065	291.98	5671	N	1		L	Å
LLIM27123FN	03066	291.98	5671	N	1		L	Å
LLIME13123FN	03057	1142.69	5671	N	1		L	Å
LLIME16123FN	03058	1459.99	5671	N	1		L	Å
LLIME23123FN	03067	984.38	5671	N	1		L	Å
LLIME24123FN	03068	984.38	5671	N	1		L	Å
LLIME26123FN	03069	1635.99	5671	N	1		L	Å
LLIME27123FN	03070	1635.99	5671	N	1		L	Å
LN0	39410	7.00	15346	C	10	6.44	F	
LN1	39401	0.16	15346	A	100/1000	0.50	F	
LN-1CR	98996	0.26	15401	N	50		F	
LN2	39402	0.27	15346	A	100/1000	0.50	F	
LN-2CR	98997	0.32	15401	N	50		F	
LN3	39403	0.43	15346	B	100	0.04	F	
LN375	39400	0.42	15401	N	100/1000	0.50	F	
LN-375CR	98995	0.47	15401	N	100/1000	0.50	F	
LN-3CR	98998	0.53	15401	N	50		F	
LN4	39404	0.54	15346	B	150	0.04	F	
LN5	39405	0.64	15346	B	50	0.16	F	
LN6	39406	1.07	15346	B	50	0.21	F	
LN7	39407	2.57	15346	C	30	0.80	F	
LN8	39408	3.48	15346	C	25	1.33	F	
LN9	39409	5.78	15346	C	15	3.63	F	
LNZ10-050NPT	40988	0.83	15581	N	50	0.02	F	Å
LNZ10-075NPT	40989	0.56	15581	N	25	0.02	F	Å
LNZ10-100NPT	40990	1.38	15581	N	25	0.04	F	Å
LNZ10-125NPT	40991	2.29	15581	N	5	0.07	F	Å
LNZ10-150NPT	40992	4.64	15581	N	5	0.08	F	Å
LNZ10-200NPT	40993	5.80	15581	N	5	0.10	F	Å
LNZ10-250NPT	40994	10.76	15581	N	1	0.25	F	Å
LNZ10-300NPT	41143	26.65	15581	N	1	0.25	F	Å
LNZ10-050	40981	0.48	15581	N	50	0.02	F	Å
LNZ10-075	40982	0.56	15581	N	25	0.02	F	Å
LNZ10-100	40983	0.84	15581	N	25	0.04	F	Å
LNZ10-150	40984	1.71	15581	N	5	0.07	F	Å
LNZ10-200	40985	3.21	15581	N	5	0.08	F	Å
LNZ10-250	40986	6.10	15581	N	1	0.10	F	Å
LNZ10-300	40987	9.34	15581	N	1	0.25	F	Å
LNZ10-400	41142	26.65	15581	N	1	0.25	F	Å
LR167	01129	149.71	15213	A	1	18.00	F	Å
LR167SA	08029	147.00	15203	B	1	8.20	F	
LR17	01120	4.74	15211	A	5	1.00	F	Å
LR17SA	08020	4.74	15201	A	5	0.38	F	
LR18	48123	5.50	15218	A	5	1.20	F	Å
LR27	01121	5.68	15211	A	5	1.00	F	Å

Refer to page 2 for explanation of symbols.

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LR27SA	08021	5.60	15201	A	5	0.50	F	
LR28	48124	6.40	15218	A	5	1.60	F	Å
LR37	01122	8.56	15211	A	5	1.70	F	Å
LR37SA	08022	8.43	15201	A	5	0.68	F	
LR38	48125	9.40	15218	A	5	2.05	F	Å
LR448	48126	14.95	15219	A	1	3.40	F	Å
LR47	01123	13.62	15212	A	2	2.50	F	Å
LR47SA	08023	13.45	15202	A	2	1.00	F	
LR57	01124	17.59	15212	A	2	6.00	F	Å
LR57SA	08024	17.38	15202	A	2	1.25	F	
LR58	48127	20.20	15219	A	1	5.10	F	Å
LR67	01125	29.00	15212	A	1	4.50	F	Å
LR67SA	08025	28.50	15202	A	1	1.80	F	
LR68	48128	32.35	15219	A	1	8.00	F	Å
LR77	01126	60.66	15213	A	1	14.00	F	Å
LR77SA	08026	59.98	15203	B	1	5.30	F	
LR78	48129	62.35	15220	B	1	14.60	F	Å
LR87	01127	86.80	15213	A	1	11.00	F	Å
LR87SA	08027	79.70	15203	B	1	4.50	F	
LR888	48130	83.50	15220	B	1	14.20	F	Å
LR97	01128	133.97	15213	B	1	21.00	F	Å
LR97SA	08028	131.32	15203	B	1	10.00	F	
LUBG-6	39500	5.17	16160	B	1	1.00	F	
LUBT-2	39504	22.54	16160	B	1		F	
MBA-2	99236	16.39	5311	N	1	1.70	L	
MBA-3	99237	16.39	5311	N	1	1.70	L	
MBAG	99238	17.57	5311	N	1	1.00	L	
MBB-2	99239	58.66	5311	N	1	5.50	L	
MBB-3	99240	58.66	5311	N	1	5.30	L	
MBD-4	99241	56.66	5311	N	1	2.50	L	
MBD-5	99242	56.66	5311	N	1	2.50	L	
MBF131	40569	102.13	5311	N	1	5.50	L	
MBF131-GA2	40601	135.65	5311	N	‡	10.00	L	
MBF131-GA3	40602	135.65	5311	N	‡	10.00	L	
MBF131-GB2	40603	175.34	5311	N	‡	13.50	L	
MBF131-GB3	40604	175.34	5311	N	‡	13.50	L	
MBF131-GD4	40605	173.93	5311	N	‡	10.50	L	
MBF131-GD5	40606	173.93	5311	N	‡	10.50	L	
MBF131-GGA2	40515	153.22	5311	N	‡	11.00	L	
MBF131-GGA3	40516	153.22	5311	N	‡	11.00	L	
MBF131-GGB2	40517	192.91	5311	N	‡	15.00	L	
MBF131-GGB3	40518	192.91	5311	N	‡	15.00	L	
MBF131-GGD4	40519	191.49	5311	N	‡	12.00	L	
MBF131-GGD5	40520	191.49	5311	N	‡	12.00	L	
MBF131-GGX2	40522	163.58	5311	N	‡	11.50	L	
MBF131-GGX3	40523	163.58	5311	N	‡	11.50	L	
MBF131-GX2	40608	146.81	5311	N	‡	10.50	L	
MBF131-GX3	40609	146.81	5311	N	‡	10.50	L	
MBF131-R5A2	40610	209.09	5311	N	‡	11.20	L	
MBF131-R5A3	40611	209.09	5311	N	‡	11.20	L	
MBF131-R5B2	40612	248.78	5311	N	‡	15.00	L	
MBF131-R5B3	40613	248.78	5311	N	‡	15.00	L	
MBF131-R5D4	40614	247.37	5311	N	‡	12.00	L	
MBF131-R5D5	40615	247.37	5311	N	‡	12.00	L	
MBF131-R5GA2	40524	239.66	5311	N	‡	12.20	L	
MBF131-R5GA3	40525	239.66	5311	N	‡	12.20	L	
MBF131-R5GB2	40526	279.35	5311	N	‡	16.00	L	
MBF131-R5GB3	40527	279.35	5311	N	‡	16.00	L	
MBF131-R5GD4	40528	277.94	5311	N	‡	13.00	L	
MBF131-R5GD5	40529	277.94	5311	N	‡	13.00	L	
MBF131-R5GX2	40531	250.02	5311	N	‡	12.80	L	
MBF131-R5GX3	40532	250.02	5311	N	‡	12.80	L	
MBF131-R5X2	40617	219.45	5311	N	‡	11.70	L	
MBF131-R5X3	40618	219.45	5311	N	‡	11.70	L	
MBF261	40570	129.95	5311	N	1	5.50	L	

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MBF261-GA2	40619	163.47	5311	N	‡	10.00	L	
MBF261-GA3	40620	163.47	5311	N	‡	10.00	L	
MBF261-GB2	40621	203.16	5311	N	‡	13.50	L	
MBF261-GB3	40622	203.16	5311	N	‡	13.50	L	
MBF261-GD4	40623	201.75	5311	N	‡	10.50	L	
MBF261-GD5	40624	201.75	5311	N	‡	10.50	L	
MBF261-GGA2	40533	181.04	5311	N	‡	11.00	L	
MBF261-GGA3	40534	181.04	5311	N	‡	11.00	L	
MBF261-GGB2	40535	220.73	5311	N	‡	15.00	L	
MBF261-GGB3	40536	220.73	5311	N	‡	15.00	L	
MBF261-GGD4	40537	219.31	5311	N	‡	12.00	L	
MBF261-GGD5	40538	219.31	5311	N	‡	12.00	L	
MBF261-GGX2	40540	191.49	5311	N	‡	11.50	L	
MBF261-GGX3	40541	191.49	5311	N	‡	11.50	L	
MBF261-GX2	40626	173.63	5311	N	‡	10.50	L	
MBF261-GX3	40627	173.63	5311	N	‡	10.50	L	
MBF261-R5A2	40628	236.91	5311	N	‡	11.20	L	
MBF261-R5A3	40629	236.91	5311	N	‡	11.20	L	
MBF261-R5B2	40630	276.60	5311	N	‡	15.00	L	
MBF261-R5B3	40631	276.60	5311	N	‡	15.00	L	
MBF261-R5D4	40632	275.19	5311	N	‡	12.00	L	
MBF261-R5D5	40633	275.19	5311	N	‡	12.00	L	
MBF261-R5GA2	40542	267.48	5311	N	‡	12.20	L	
MBF261-R5GA3	40543	267.48	5311	N	‡	12.20	L	
MBF261-R5GB2	40544	307.17	5311	N	‡	16.00	L	
MBF261-R5GB3	40545	307.17	5311	N	‡	16.00	L	
MBF261-R5GD4	40546	305.76	5311	N	‡	13.00	L	
MBF261-R5GD5	40547	305.76	5311	N	‡	13.00	L	
MBF261-R5GX2	40549	277.94	5311	N	‡	12.80	L	
MBF261-R5GX3	40550	277.94	5311	N	‡	12.80	L	
MBF261-R5X2	40635	247.27	5311	N	‡	11.70	L	
MBF261-R5X3	40636	247.27	5311	N	‡	11.70	L	
MBF391	40571	155.42	5311	N	1	5.50	L	
MBF391-GA2	40637	188.94	5311	N	‡	10.50	L	
MBF391-GA3	40638	188.94	5311	N	‡	10.50	L	
MBF391-GB2	40639	228.63	5311	N	‡	14.00	L	
MBF391-GB3	40640	228.63	5311	N	‡	14.00	L	
MBF391-GD4	40641	227.22	5311	N	‡	11.00	L	
MBF391-GD5	40642	227.22	5311	N	‡	11.00	L	
MBF391-GGA2	40551	206.51	5311	N	‡	11.50	L	
MBF391-GGA3	40552	206.51	5311	N	‡	11.50	L	
MBF391-GGB2	40553	246.19	5311	N	‡	15.50	L	
MBF391-GGB3	40554	246.19	5311	N	‡	15.50	L	
MBF391-GGD4	40555	244.78	5311	N	‡	12.50	L	
MBF391-GGD5	40556	244.78	5311	N	‡	12.50	L	
MBF391-GGX2	40558	216.87	5311	N	‡	12.00	L	
MBF391-GGX3	40559	216.87	5311	N	‡	12.00	L	
MBF391-GX2	40644	199.38	5311	N	‡	11.00	L	
MBF391-GX3	40645	199.38	5311	N	‡	11.00	L	
MBF391-R5A2	40646	262.38	5311	N	‡	11.70	L	
MBF391-R5A3	40647	262.38	5311	N	‡	11.70	L	
MBF391-R5B2	40648	302.07	5311	N	‡	15.50	L	
MBF391-R5B3	40649	302.07	5311	N	‡	15.50	L	
MBF391-R5D4	40650	300.65	5311	N	‡	12.50	L	
MBF391-R5D5	40651	300.65	5311	N	‡	12.50	L	
MBF391-R5GA2	40560	292.95	5311	N	‡	12.70	L	
MBF391-R5GA3	40561	292.95	5311	N	‡	12.70	L	
MBF391-R5GB2	40562	332.64	5311	N	‡	16.50	L	
MBF391-R5GB3	40563	332.64	5311	N	‡	16.50	L	
MBF391-R5GD4	40564	331.23	5311	N	‡	13.50	L	
MBF391-R5GD5	40565	331.23	5311	N	‡	13.50	L	
MBF391-R5GX2	40567	303.31	5311	N	‡	13.30	L	
MBF391-R5GX3	40568	303.31	5311	N	‡	13.30	L	
MBF391-R5X2	40653	272.74	5311	N	‡	12.20	L	
MBF391-R5X3	40654	272.74	5311	N	‡	12.20	L	

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MBG	99243	15.13	5311	N	1	2.70	L	
MBGT	99547	24.21	5311	N	1	2.70	L	
MBK10X	99896	179.68	5311	N	1	7.00	L	@
MBK10X-GA2	99887	213.19	5311	N	‡	11.40	L	@
MBK10X-GA3	99888	213.19	5311	N	‡	11.40	L	@
MBK10X-GB2	99889	252.88	5311	N	‡	15.20	L	@
MBK10X-GB3	99890	252.88	5311	N	‡	15.20	L	@
MBK10X-GD4	99891	251.47	5311	N	‡	12.20	L	@
MBK10X-GD5	99892	251.47	5311	N	‡	12.20	L	@
MBK10X-GGA2	99893	230.76	5311	N	‡	12.40	L	@
MBK10X-GGA3	99894	230.76	5311	N	‡	12.40	L	@
MBK10X-GGB2	99895	270.45	5311	N	‡	16.20	L	@
MBK10X-GGB3	99256	270.45	5311	N	‡	16.20	L	@
MBK10X-GGD4	99257	269.04	5311	N	‡	13.20	L	@
MBK10X-GGD5	99258	269.04	5311	N	‡	13.20	L	@
MBK10X-GGX2	99260	241.12	5311	N	‡	13.00	L	@
MBK10X-GGX3	99261	241.12	5311	N	‡	13.00	L	@
MBK10X-GX2	99263	223.55	5311	N	‡	12.00	L	@
MBK10X-GX3	99264	223.55	5311	N	‡	12.00	L	@
MBK10X-R5A2	99265	286.63	5311	N	‡	12.70	L	@
MBK10X-R5A3	99266	286.63	5311	N	‡	12.70	L	@
MBK10X-R5B2	99268	326.32	5311	N	‡	16.50	L	@
MBK10X-R5B3	99269	326.32	5311	N	‡	16.50	L	@
MBK10X-R5D4	99270	324.91	5311	N	‡	13.50	L	@
MBK10X-R5D5	99271	324.91	5311	N	‡	13.50	L	@
MBK10X-R5GA2	99272	317.21	5311	N	‡	13.70	L	@
MBK10X-R5GA3	99273	317.21	5311	N	‡	13.70	L	@
MBK10X-R5GB2	99274	356.89	5311	N	‡	17.50	L	@
MBK10X-R5GB3	99275	356.89	5311	N	‡	17.50	L	@
MBK10X-R5GD4	99276	355.48	5311	N	‡	14.50	L	@
MBK10X-R5GD5	99277	355.48	5311	N	‡	14.50	L	@
MBK10X-R5GX2	99279	327.57	5311	N	‡	14.30	L	@
MBK10X-R5GX3	99280	327.57	5311	N	‡	14.30	L	@
MBK10X-R5X2	99282	296.99	5311	N	‡	13.30	L	@
MBK10X-R5X3	99283	296.99	5311	N	‡	13.30	L	@
MBK50X	99284	129.16	5311	N	1	6.00	L	@
MBK50X-GA2	99285	162.68	5311	N	‡	10.40	L	@
MBK50X-GA3	99286	162.68	5311	N	‡	10.40	L	@
MBK50X-GB2	99287	202.37	5311	N	‡	14.20	L	@
MBK50X-GB3	99288	202.37	5311	N	‡	14.20	L	@
MBK50X-GD4	99289	200.96	5311	N	‡	11.20	L	@
MBK50X-GD5	99290	200.96	5311	N	‡	11.20	L	@
MBK50X-GGA2	99291	180.25	5311	N	‡	11.40	L	@
MBK50X-GGA3	99292	180.25	5311	N	‡	11.40	L	@
MBK50X-GGB2	99293	219.93	5311	N	‡	15.20	L	@
MBK50X-GGB3	99294	219.93	5311	N	‡	15.20	L	@
MBK50X-GGD4	99295	218.52	5311	N	‡	12.20	L	@
MBK50X-GGD5	99296	218.52	5311	N	‡	12.20	L	@
MBK50X-GGX2	99298	190.61	5311	N	‡	12.00	L	@
MBK50X-GGX3	99299	190.61	5311	N	‡	12.00	L	@
MBK50X-GX2	99301	173.04	5311	N	‡	11.00	L	@
MBK50X-GX3	99898	173.04	5311	N	‡	11.00	L	@
MBK50X-R5A2	99303	236.12	5311	N	‡	11.70	L	@
MBK50X-R5A3	99899	236.12	5311	N	‡	11.70	L	@
MBK50X-R5B2	99305	275.81	5311	N	‡	15.50	L	@
MBK50X-R5B3	99960	275.81	5311	N	‡	15.50	L	@
MBK50X-R5D4	99307	274.39	5311	N	‡	12.50	L	@
MBK50X-R5D5	99961	274.39	5311	N	‡	12.50	L	@
MBK50X-R5GA2	99309	266.69	5311	N	‡	12.70	L	@
MBK50X-R5GA3	99962	266.69	5311	N	‡	12.70	L	@
MBK50X-R5GB2	99311	306.38	5311	N	‡	16.50	L	@
MBK50X-R5GB3	99963	306.38	5311	N	‡	16.50	L	@
MBK50X-R5GD4	99313	304.97	5311	N	‡	13.50	L	@
MBK50X-R5GD5	99314	304.97	5311	N	‡	13.50	L	@
MBK50X-R5GX2	99316	277.05	5311	N	‡	13.30	L	@
MBK50X-R5GX3	99317	277.05	5311	N	‡	13.30	L	@
MBK50X-R5X2	99319	246.48	5311	N	‡	12.30	L	@
MBK50X-R5X3	99320	246.48	5311	N	‡	12.30	L	@
MBK75X	99321	153.98	5311	N	1	7.00	L	@
MBK75X-GA2	99322	187.49	5311	N	‡	11.40	L	@
MBK75X-GA3	99323	187.49	5311	N	‡	11.40	L	@
MBK75X-GB2	99324	227.18	5311	N	‡	15.20	L	@
MBK75X-GB3	99325	227.18	5311	N	‡	15.20	L	@
MBK75X-GD4	99326	225.77	5311	N	‡	12.20	L	@
MBK75X-GD5	99327	225.77	5311	N	‡	12.20	L	@
MBK75X-GGA2	99328	205.06	5311	N	‡	12.40	L	@
MBK75X-GGA3	99329	205.06	5311	N	‡	12.40	L	@
MBK75X-GGB2	99330	244.75	5311	N	‡	16.20	L	@
MBK75X-GGB3	99331	244.75	5311	N	‡	16.20	L	@
MBK75X-GGD4	99332	243.34	5311	N	‡	13.20	L	@
MBK75X-GGD5	99333	243.34	5311	N	‡	13.20	L	@
MBK75X-GGX2	99335	215.42	5311	N	‡	13.00	L	@
MBK75X-GGX3	99336	215.42	5311	N	‡	13.00	L	@
MBK75X-GX2	99338	197.85	5311	N	‡	12.00	L	@
MBK75X-GX3	99339	197.85	5311	N	‡	12.00	L	@
MBK75X-R5A2	99340	260.93	5311	N	‡	12.70	L	@
MBK75X-R5A3	99341	260.93	5311	N	‡	12.70	L	@
MBK75X-R5B2	99342	300.62	5311	N	‡	16.50	L	@
MBK75X-R5B3	99343	300.62	5311	N	‡	16.50	L	@
MBK75X-R5D4	99344	299.21	5311	N	‡	13.50	L	@
MBK75X-R5D5	99345	299.21	5311	N	‡	13.50	L	@
MBK75X-R5GA2	99346	291.51	5311	N	‡	13.70	L	@
MBK75X-R5GA3	99347	291.51	5311	N	‡	13.70	L	@
MBK75X-R5GB2	99348	331.19	5311	N	‡	17.50	L	@
MBK75X-R5GB3	99349	331.19	5311	N	‡	17.50	L	@
MBK75X-R5GD4	99350	329.78	5311	N	‡	14.50	L	@
MBK75X-R5GD5	99351	329.78	5311	N	‡	14.50	L	@
MBK75X-R5GX2	99353	301.87	5311	N	‡	14.30	L	@
MBK75X-R5GX3	99354	301.87	5311	N	‡	14.30	L	@
MBK75X-R5X2	99356	271.29	5311	N	‡	13.30	L	@
MBK75X-R5X3	99357	271.29	5311	N	‡	13.30	L	@
MBL101	99358	234.40	5311	N	1	6.00	L	
MBL101-GA2	99359	267.92	5311	N	‡	10.40	L	
MBL101-GA3	99360	267.92	5311	N	‡	10.40	L	
MBL101-GB2	99361	307.60	5311	N	‡	14.20	L	
MBL101-GB3	99362	307.60	5311	N	‡	14.20	L	
MBL101-GD4	99363	306.19	5311	N	‡	11.20	L	
MBL101-GD5	99364	306.19	5311	N	‡	11.20	L	
MBL101-GGA2	99365	285.48	5311	N	‡	11.40	L	
MBL101-GGA3	99366	285.48	5311	N	‡	11.40	L	
MBL101-GGB2	99367	325.17	5311	N	‡	15.20	L	
MBL101-GGB3	99368	325.17	5311	N	‡	15.20	L	
MBL101-GGD4	99369	323.76	5311	N	‡	12.20	L	
MBL101-GGD5	99370	323.76	5311	N	‡	12.20	L	
MBL101-GGX2	99372	295.84	5311	N	‡	12.00	L	
MBL101-GGX3	99373	295.84	5311	N	‡	12.00	L	
MBL101-GX2	99375	278.28	5311	N	‡	11.00	L	
MBL101-GX3	99376	278.28	5311	N	‡	11.00	L	
MBL101-R5A2	99377	341.36	5311	N	‡	11.70	L	
MBL101-R5A3	99378	341.36	5311	N	‡	11.70	L	
MBL101-R5B2	99379	381.04	5311	N	‡	15.50	L	
MBL101-R5B3	99380	381.04	5311	N	‡	15.50	L	
MBL101-R5D4	99381	379.63	5311	N	‡	12.50	L	
MBL101-R5D5	99382	379.63	5311	N	‡	12.50	L	
MBL101-R5GA2	99383	371.93	5311	N	‡	12.70	L	
MBL101-R5GA3	99384	371.93	5311	N	‡	12.70	L	
MBL101-R5GB2	99385	411.62	5311	N	‡	16.50	L	
MBL101-R5GB3	99386	411.62	5311	N	‡	16.50	L	
MBL101-R5GD4	99387	410.21	5311	N	‡	13.50	L	
MBL101-R5GD5	99388	410.21	5311	N	‡	13.50	L	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
MBL101-R5GX2	99390	382.29	5311	N	‡	13.30	L	
MBL101-R5GX3	99391	382.29	5311	N	‡	13.30	L	
MBL101-R5X2	99393	351.72	5311	N	‡	12.30	L	
MBL101-R5X3	99394	351.72	5311	N	‡	12.30	L	
MBL151	99395	247.37	5311	N	1	7.00	L	
MBL151-GA2	99396	280.88	5311	N	‡	11.40	L	
MBL151-GA3	99397	280.88	5311	N	‡	11.40	L	
MBL151-GB2	99398	320.57	5311	N	‡	15.20	L	
MBL151-GB3	99399	320.57	5311	N	‡	15.20	L	
MBL151-GD4	99400	319.16	5311	N	‡	12.20	L	
MBL151-GD5	99401	319.16	5311	N	‡	12.20	L	
MBL151-GGA2	99402	298.45	5311	N	‡	12.40	L	
MBL151-GGA3	99403	298.45	5311	N	‡	12.40	L	
MBL151-GGB2	99404	338.14	5311	N	‡	16.20	L	
MBL151-GGB3	99405	338.14	5311	N	‡	16.20	L	
MBL151-GGD4	99406	336.72	5311	N	‡	13.20	L	
MBL151-GGD5	99407	336.72	5311	N	‡	13.20	L	
MBL151-GGX2	99409	308.81	5311	N	‡	13.00	L	
MBL151-GGX3	99410	308.81	5311	N	‡	13.00	L	
MBL151-GX2	99412	291.24	5311	N	‡	12.00	L	
MBL151-GX3	99413	291.24	5311	N	‡	12.00	L	
MBL151-R5A2	99414	354.32	5311	N	‡	12.70	L	
MBL151-R5A3	99415	354.32	5311	N	‡	12.70	L	
MBL151-R5B2	99416	394.01	5311	N	‡	16.50	L	
MBL151-R5B3	99417	394.01	5311	N	‡	16.50	L	
MBL151-R5D4	99418	392.60	5311	N	‡	13.50	L	
MBL151-R5D5	99419	392.60	5311	N	‡	13.50	L	
MBL151-R5GA2	99420	384.90	5311	N	‡	13.70	L	
MBL151-R5GA3	99421	384.90	5311	N	‡	13.70	L	
MBL151-R5GB2	99422	424.58	5311	N	‡	17.50	L	
MBL151-R5GB3	99423	424.58	5311	N	‡	17.50	L	
MBL151-R5GD4	99424	423.17	5311	N	‡	14.50	L	
MBL151-R5GD5	99425	423.17	5311	N	‡	14.50	L	
MBL151-R5GX2	99427	395.26	5311	N	‡	14.30	L	
MBL151-R5GX3	99428	395.26	5311	N	‡	14.30	L	
MBL151-R5X2	99430	364.68	5311	N	‡	13.30	L	
MBL151-R5X3	99431	364.68	5311	N	‡	13.30	L	
MBL501	99469	209.04	5311	N	1	5.40	L	
MBL501-GA2	99470	242.56	5311	N	‡	9.80	L	
MBL501-GA3	99471	242.56	5311	N	‡	9.80	L	
MBL501-GB2	99472	282.24	5311	N	‡	13.60	L	
MBL501-GB3	99473	282.24	5311	N	‡	13.60	L	
MBL501-GD4	99474	280.83	5311	N	‡	10.60	L	
MBL501-GD5	99475	280.83	5311	N	‡	10.60	L	
MBL501-GGA2	99476	260.12	5311	N	‡	10.80	L	
MBL501-GGA3	99477	260.12	5311	N	‡	10.80	L	
MBL501-GGB2	99478	299.81	5311	N	‡	14.60	L	
MBL501-GGB3	99479	299.81	5311	N	‡	14.60	L	
MBL501-GGD4	99480	298.40	5311	N	‡	11.60	L	
MBL501-GGD5	99481	298.40	5311	N	‡	11.60	L	
MBL501-GGX2	99483	270.48	5311	N	‡	11.40	L	
MBL501-GGX3	99484	270.48	5311	N	‡	11.40	L	
MBL501-GX2	99486	252.92	5311	N	‡	10.40	L	
MBL501-GX3	99487	252.92	5311	N	‡	10.40	L	
MBL501-R5A2	99488	315.99	5311	N	‡	11.10	L	
MBL501-R5A3	99489	315.99	5311	N	‡	11.10	L	
MBL501-R5B2	99490	355.68	5311	N	‡	14.90	L	
MBL501-R5B3	99491	355.68	5311	N	‡	14.90	L	
MBL501-R5D4	99492	354.27	5311	N	‡	11.90	L	
MBL501-R5D5	99493	354.27	5311	N	‡	11.90	L	
MBL501-R5GA2	99494	346.57	5311	N	‡	12.10	L	
MBL501-R5GA3	99495	346.57	5311	N	‡	12.10	L	
MBL501-R5GB2	99496	386.26	5311	N	‡	15.90	L	
MBL501-R5GB3	99497	386.26	5311	N	‡	15.90	L	
MBL501-R5GD4	99498	384.84	5311	N	‡	12.90	L	
MBL501-R5GD5	99499	384.84	5311	N	‡	12.90	L	
MBL501-R5GX2	99501	356.93	5311	N	‡	12.70	L	
MBL501-R5GX3	99502	356.93	5311	N	‡	12.70	L	
MBL501-R5X2	99504	326.35	5311	N	‡	11.70	L	
MBL501-R5X3	99505	326.35	5311	N	‡	11.70	L	
MBL701	99506	221.67	5311	N	1	5.50	L	
MBL701-GA2	99507	255.18	5311	N	‡	9.90	L	
MBL701-GA3	99508	255.18	5311	N	‡	9.90	L	
MBL701-GB2	99509	294.87	5311	N	‡	13.70	L	
MBL701-GB3	99510	294.87	5311	N	‡	13.70	L	
MBL701-GD4	99511	293.46	5311	N	‡	10.70	L	
MBL701-GD5	99512	293.46	5311	N	‡	10.70	L	
MBL701-GGA2	99513	272.75	5311	N	‡	10.90	L	
MBL701-GGA3	99514	272.75	5311	N	‡	10.90	L	
MBL701-GGB3	99516	312.44	5311	N	‡	14.70	L	
MBL701-GGD4	99517	311.02	5311	N	‡	11.70	L	
MBL701-GGD5	99518	311.02	5311	N	‡	11.70	L	
MBL701-GGX2	99520	283.11	5311	N	‡	11.50	L	
MBL701-GGX3	99521	283.11	5311	N	‡	11.50	L	
MBL701-GX2	99523	265.54	5311	N	‡	11.50	L	
MBL701-GX3	99524	265.54	5311	N	‡	11.50	L	
MBL701-R5A2	99525	328.62	5311	N	‡	11.20	L	
MBL701-R5A3	99526	328.62	5311	N	‡	11.20	L	
MBL701-R5B2	99527	368.31	5311	N	‡	15.00	L	
MBL701-R5B3	99528	368.31	5311	N	‡	15.00	L	
MBL701-R5D4	99529	366.90	5311	N	‡	12.00	L	
MBL701-R5D5	99530	366.90	5311	N	‡	12.00	L	
MBL701-R5GA2	99531	359.20	5311	N	‡	12.20	L	
MBL701-R5GA3	99532	359.20	5311	N	‡	12.20	L	
MBL701-R5GB2	99533	398.88	5311	N	‡	16.00	L	
MBL701-R5GB3	99534	398.88	5311	N	‡	16.00	L	
MBL701-R5GD4	99535	397.47	5311	N	‡	13.00	L	
MBL701-R5GD5	99536	397.47	5311	N	‡	13.00	L	
MBL701-R5GX2	99538	369.56	5311	N	‡	12.80	L	
MBL701-R5GX3	99539	369.56	5311	N	‡	12.80	L	
MBL701-R5X2	99541	338.98	5311	N	‡	11.80	L	
MBL701-R5X3	99542	338.98	5311	N	‡	11.80	L	
MBX-2	99885	28.75	5311	N	1	2.30	L	
MBX-3	99886	28.75	5311	N	1	2.30	L	
MCR050	40800	9.98	15586	A	20/60	0.75	F	
MCR075	40801	13.94	15586	A	20/60	0.88	F	
MCR100	40802	21.08	15586	A	10/30	1.36	F	
MCR125	40803	27.27	15586	B	5/25	1.53	F	
MCR150	40804	38.66	15586	B	5/25	1.85	F	
MCR200	40806	47.06	15586	B	4/12	2.56	F	
MCR200S	40805	47.06	15586	B	5/25	2.56	F	
MCR250	40808	72.05	15586	B	1	3.38	F	
MCR250S	40807	72.08	15586	B	1	3.38	F	
MCR300	40809	91.65	15586	B	1	8.50	F	
MCR350	40799	127.40	15586	B	1	11.95	F	
MCX050	40811	26.33	16506	A	20/60	0.75	F	
MCX075	40812	39.21	16506	A	20/60	0.88	F	
MCX100	40813	49.14	16506	A	10/30	1.36	F	
MCX125	40814	69.99	16506	B	5/25	1.53	F	
MCX150	40815	96.57	16506	B	5/25	1.85	F	
MCX200	40817	128.55	16506	B	4/12	2.56	F	
MCX200S	40816	128.55	16506	B	5/25	2.56	F	
MCX250	40819	179.49	16506	B	1	3.38	F	
MCX250S	40818	179.49	16506	B	1	3.38	F	
MCX300	40820	235.74	16506	B	1	8.50	F	
MCX350	40810	342.28	16506	B	1	11.95	F	
MF-45-1	40502	6.41	16150	A	25	0.16	F	
MF-45-1M	17032	6.78	16151	A	25	9.60	F	
MF-45-2	40504	7.28	16150	A	25	0.23	F	
MF-45-2M	17033	7.78	16151	A	25	6.80	F	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
MF-90-1	40500	5.89	16150	A	20/100	0.04	F	
MF-90-1M	17030	6.23	16151	A	20	9.60	F	
MF-90-2	40501	6.41	16150	A	10/50	0.11	F	
MF-90-2M	17031	6.78	16151	A	10	6.80	F	
MLB-12	40600	806.51	15251	N	1	56.50	F	
MM-90-1	40700	8.09	16150	A	25	0.16	F	
MM-90-1M	17034	8.56	16151	A	25	9.60	F	
MM-90-2	40702	9.24	16150	A	25	0.23	F	
MM-90-2M	17035	9.78	16151	A	25	6.80	F	
MOL-560	41007	35.23	15251	C	2	1.00	F	
MOL-56-VG (USE MOL-560)								
MOL-780	41008	44.42	15251	C	2	2.25	F	
MOL-78-VG (USE MOL-780)								
MOL-900	41009	66.05	15251	C	2	3.00	F	
MOL-90-VG (USE MOL-900)								
MOLB-0	41015	320.88	15251	B	1	17.00	F	
MOLB-4	41001	21.87	15251	B	2	1.65	F	
MOLB-5	41010	54.34	15251	B	2	5.00	F	
MOLB-6	41011	57.12	15251	B	2	5.00	F	
MOLB-8CG	41019	57.75	15251	B	1	3.00	F	
MOLB-7	41012	173.88	15251	B	1	12.00	F	
MOLB-8	41013	173.88	15251	B	1	10.50	F	
MOLB-9	41014	308.28	15251	B	1	19.00	F	
NCS1	42027	1.91	15586	N	1		F	
NCS2	42028	2.08	15586	N	1		F	
NCS3	42029	3.15	15586	N	1		F	
NCS4	42030	4.28	15586	N	1		F	
NCS5	42031	6.67	15586	N	1		F	
NCS6	42032	9.82	15586	N	1		F	
NCS7	42033	13.44	15586	N	1		F	
NCS8	42034	20.63	15586	N	1		F	
NCS9	42035	48.30	15586	N	1		F	
NECLB-3	42100	16.30	15251	B	5/25	1.12	F	
NECLB-30	42090	4.39	15251	N	1	0.10	F	
NECLB-4	42101	26.91	15251	B	1/5	1.80	F	
NECLB-40	42091	4.44	15251	N	1		F	
NECLB-5	42102	53.41	15251	B	5	2.80	F	
NECLB-50	42092	5.37	15251	N	1		F	
NECLB-6	42103	59.88	15251	B	5	4.00	F	
NECLB-60	42093	6.14	15251	N	1	0.40	F	
NMH-1	96143	13.11	9330	N	1	0.50	C	
NMH-2	96144	13.63	9330	N	1	0.50	C	
NMH-3	96145	15.09	9330	N	1	0.50	C	
NMHB-1EX (USE HUB1BE)								
NMHB-2EX (USE HUB2BE)								
NMHB-3EX (USE HUB3BE)								
NMHG-1EX (USE HUB1GE)								
NMHG-2EX (USE HUB2GE)								
NMHG-3EX (USE HUB3GE)								
NMHG-4EX (USE HUB4GE)								
NMHG-5EX (USE HUB5GE)								
NMHG-6EX (USE HUB6GE)								
NMHG-7EX (USE HUB7GE)								
NMHG-8EX (USE HUB8GE)								
NVA	42112	7.69	5101	A	1/8	0.50	L	
NVA15GG	42104	47.51	5101	A	1	2.50	L	
NVA15GHG	42107	52.87	5101	A	1	2.50	L	
NVB	42111	16.00	5101	A	1	1.00	L	
NVB15GG	42106	67.73	5101	A	1	3.50	L	
NVB15GHG	42109	73.14	5101	A	1	3.50	L	
NVBC	42115	12.92	5101	A	4/40	0.50	L	
NVB-SW	42098	34.18	5101	A	1	1.00	L	
NVFC	42114	19.37	5101	A	1/10	1.00	L	
NVG	42116	10.59	5101	A	1	0.50	L	
NVG-30 (USE NECLB-30)								
NVG-40 (USE NECLB-40)								
NVG-50 (USE NECLB-50)								
NVG-60 (USE NECLB-60)								
NVQ-18	42126	12.92	5101	N	1	0.50	L	
NVQA18GG	42127	102.48	5101	N	1	3.00	L	
NVQA18GHG	42129	109.20	5101	N	1	3.00	L	
NVQA18GHG-G	42135	114.77	5101	N	1		L	
NVQA18GHG-R	42136	118.37	5101	N	1		L	
NVQB18GG	42131	110.86	5101	N	1	3.50	L	
NVQB18GHG	42132	117.46	5101	N	1	3.50	L	
NVQB18GHG-G	42133	123.63	5101	N	1		L	
NVQB18GHG-R	42134	126.63	5101	N	1		L	
NVQFC	42125	63.69	5101	N	1	1.00	L	
NVQX18GG	42128	105.85	5101	N	1	3.00	L	
NVQX18GHG	42130	112.68	5101	N	1	3.00	L	
NV3G	42117	3.35	5101	A	1	0.10	L	
NVX	42113	10.99	5101	A	1/10	1.00	L	
NVX15GG	42105	51.78	5101	A	1	3.00	L	
NVX15GHG	42108	57.19	5101	A	1	3.00	L	
OC-0	45010	117.39	15223	C	1	9.00	F	
OC-0M	48024	188.86	15233	B	1	24.50	F	Å
OC-1	45001	4.37	15221	A	10/50	0.29	F	
OC-1M	48015	5.18	15231	A	5	0.80	F	Å
OC-2	45002	5.48	15221	A	5/25	0.42	F	
OC-2M	48016	6.33	15231	A	5	1.14	F	Å
OC-3	45003	7.85	15221	A	5/25	0.72	F	
OC-3M	48017	9.53	15231	A	5	1.64	F	Å
OC-4	45004	11.90	15222	A	1/5	1.40	F	
OC-4M	48018	15.22	15232	A	2	3.55	F	Å
OC-5	45005	15.67	15222	A	1/5	1.50	F	
OC-5M	48019	19.50	15232	A	2	3.95	F	Å
OC-6	45006	26.21	15222	A	1/5	2.70	F	
OC-6M	48020	32.29	15232	A	1	7.00	F	Å
OC-7	45007	47.95	15223	B	1	6.50	F	
OC-7M	48021	58.76	15233	B	1	11.10	F	Å
OC-8	45008	83.86	15223	B	1	6.00	F	
OC-8M	48022	89.53	15233	B	1	13.20	F	Å
OC-9	45009	105.34	15223	C	1	9.60	F	
OC-9M	48023	150.88	15233	C	1	23.50	F	Å
OE-1	47101	4.15	15221	A	10/50	0.29	F	
OE-1M	48025	5.16	15231	A	5	0.70	F	Å
OE-2	47102	6.09	15221	A	5/25	0.44	F	
OE-2M	48026	8.11	15231	A	5	0.94	F	Å
OE-3	47103	8.49	15221	A	5	0.62	F	
OE-3M	48027	8.91	15231	A	5	1.46	F	Å
OL-1	49001	4.15	15221	B	20/100	0.09	F	
OL-10	49007	1.25	15221	A	20/100	0.06	F	
OL-10CM	48028	2.38	15231	A	20	0.19	F	Å
OL-10M	48035	1.51	15231	A	20	0.10	F	Å
OL-2	49002	4.91	15221	B	20/100	0.10	F	
OL-20	49008	1.91	15221	A	20	0.07	F	
OL-20CM	48029	2.86	15231	A	20	0.24	F	Å
OL-20M	48036	1.89	15231	A	20	0.14	F	Å
OL-3	49003	6.84	15221	C	10	0.13	F	
OL-30	49009	2.24	15221	A	20/100	0.10	F	
OL-30CM	48030	4.42	15231	A	20	0.32	F	Å
OL-30M	48037	2.52	15231	A	20	0.18	F	Å
OL-45	49010	9.65	15222	C	5/25	0.36	F	
OL-450	49020	2.61	15222	A	10/50	0.19	F	
OL-45CM	48031	5.99	15232	A	10	0.95	F	Å
OL-45M	48038	3.89	15232	A	10	0.37	F	Å
OL-45-RG	49011	2.61	15222	A	25	0.05	F	
OL-45-VG	49012	2.61	15222	A	5/25	0.04	F	
OL-60	49013	4.91	15222	A	5/25	0.34	F	
OL-60CM	48032	8.55	15232	A	5	1.55	F	Å

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
OL-6M	48039	4.92	15232	A	5	0.62	F	Å
OL-6-RG	49005	3.28	15222	A	5/25	0.08	F	
OL-6-VG	49006	3.28	15222	A	5/25	0.07	F	
OL-780	49021	7.99	15223	B	5	0.70	F	
OL-78CM	48033	12.42	15233	A	5	3.25	F	Å
OL-78M	48040	7.67	15233	B	5	1.08	F	Å
OL-78-RG	49015	4.96	15223	B	1/5	0.20	F	
OL-78-VG	49016	4.96	15223	B	1/5	0.20	F	
OL-900	49022	9.31	15223	B	1/5	1.04	F	
OL-90CM	48034	18.80	15233	B	5	4.75	F	Å
OL-90M	48041	9.18	15233	B	5	1.98	F	Å
OL-90-RG	49018	6.17	15223	B	5	0.22	F	
OL-90-VG	49019	6.17	15223	B	5	0.20	F	
OLB-0	49034	137.37	15223	B	1	7.00	F	
OLB-0M	48051	169.14	15233	B	1	22.00	F	Å
OLB-1	49025	4.38	15221	A	10/50	0.28	F	
OLB-12	49092	289.74	15223	C	1	21.00	F	
OLB-1M	48042	5.28	15231	A	5	0.78	F	Å
OLB-2	49026	5.40	15221	A	5/25	0.42	F	
OLB-2M	48043	6.31	15231	A	5	1.04	F	Å
OLB-3	49027	7.85	15221	A	5/25	0.64	F	
OLB-3M	48044	9.51	15231	A	5	1.42	F	Å
OLB-4	49028	11.90	15222	A	2	1.60	F	
OLB-4M	48045	15.19	15232	A	2	3.70	F	Å
OLB-5	49029	15.67	15222	A	2/10	1.70	F	
OLB-5M	48046	19.54	15232	A	2	4.05	F	Å
OLB-6	49030	26.21	15222	A	1/5	2.20	F	
OLB-6M	48047	32.21	15232	A	1	5.30	F	Å
OLB-7	49031	55.84	15223	B	1	6.00	F	
OLB-7M	48048	68.39	15233	A	1	10.10	F	Å
OLB-8	49032	73.92	15223	B	1	5.50	F	
OLB-8M	48049	90.67	15233	B	1	13.10	F	Å
OLB-9	49033	121.82	15223	B	1	8.00	F	
OLB-9M	48050	151.17	15233	B	1	22.00	F	Å
OLK-1RG	49035	1.91	15221	A	50	0.02	F	
OLK-1VG	49036	1.91	15221	A	50	0.01	F	
OLK-2RG	49037	1.91	15221	A	50	0.02	F	
OLK-2VG	49038	1.91	15221	A	50	0.01	F	
OLK-3RG	49039	2.24	15221	A	50	0.03	F	
OLK-3VG	49040	2.24	15221	A	50	0.02	F	
OLL-0	49050	137.37	15223	C	1	9.00	F	
OLL-0M	48061	169.14	15233	C	1	22.50	F	Å
OLL-1	49041	4.37	15221	A	10/50	0.29	F	
OLL-1M	48052	5.28	15231	A	5	0.82	F	Å
OLL-2	49042	5.40	15221	A	5/25	0.52	F	
OLL-2M	48053	6.31	15231	A	5	1.14	F	Å
OLL-3	49043	7.85	15221	A	5/25	0.62	F	
OLL-3M	48054	9.50	15231	A	5	1.70	F	Å
OLL-4	49044	11.90	15222	A	1/5	1.70	F	
OLL-4M	48055	15.19	15232	A	2	3.00	F	Å
OLL-5	49045	15.67	15222	A	1/5	1.60	F	
OLL-5M	48056	19.54	15232	A	2	3.70	F	Å
OLL-6	49046	26.21	15222	A	1/5	2.80	F	
OLL-6M	48057	32.22	15232	A	1	6.50	F	Å
OLL-7	49047	55.84	15223	B	1	6.50	F	
OLL-7M	48058	68.74	15233	B	1	10.80	F	Å
OLL-8	49048	73.92	15223	B	1	5.50	F	
OLL-8M	48059	90.67	15233	B	1	13.30	F	Å
OLL-9	49049	121.82	15223	C	1	10.00	F	
OLL-9M	48060	151.17	15233	C	1	23.00	F	Å
OLR-0	49060	137.37	15223	C	1	9.00	F	
OLR-0M	48071	169.14	15233	C	1	22.50	F	Å
OLR-1	49051	4.37	15221	A	10/50	0.29	F	
OLR-1M	48062	5.28	15231	A	5	0.82	F	Å
OLR-2	49052	5.40	15221	A	5/25	0.52	F	
OLR-2M	48063	6.31	15231	A	5	1.14	F	Å
OLR-3	49053	7.85	15221	A	5/25	0.62	F	
OLR-3M	48064	9.50	15231	A	5	1.70	F	Å
OLR-4	49054	11.90	15222	A	1/5	1.70	F	
OLR-4M	48065	15.19	15232	A	2	3.00	F	Å
OLR-5	49055	15.67	15222	A	1/5	1.60	F	
OLR-5M	48066	19.54	15232	A	2	3.70	F	Å
OLR-6	49056	26.21	15222	A	1/5	2.80	F	
OLR-6M	48067	32.21	15232	A	1	6.50	F	Å
OLR-7	49057	55.84	15223	B	1	6.50	F	
OLR-7M	48068	68.39	15233	B	1	10.80	F	Å
OLR-8	49058	73.92	15223	B	1	5.50	F	
OLR-8M	48069	90.67	15233	B	1	13.30	F	Å
OLR-9	49059	121.82	15223	C	1	10.00	F	
OLR-9M	48070	151.17	15233	C	1	23.00	F	Å
OT-0	53010	163.39	15223	C	1	9.50	F	
OT-0M	48081	183.61	15233	C	1	24.00	F	Å
OT-1	53001	5.49	15221	A	10	0.36	F	
OT-1M	48072	6.70	15231	A	5	1.08	F	Å
OT-2	53002	6.66	15221	A	5	0.56	F	
OT-2M	48073	7.95	15231	A	5	1.32	F	Å
OT-3	53003	9.17	15221	A	5/25	0.66	F	
OT-3M	48074	13.21	15231	A	2	2.15	F	Å
OT-4	53004	14.00	15222	A	1/5	1.50	F	
OT-4M	48075	17.44	15232	A	2	3.80	F	Å
OT-5	53005	19.76	15222	A	1/5	1.90	F	
OT-5M	48076	23.25	15232	A	2	4.40	F	Å
OT-6	53006	30.79	15222	A	1/5	2.80	F	
OT-6M	48077	35.94	15232	A	1	7.50	F	Å
OT-7	53007	56.11	15223	B	1	7.00	F	
OT-7M	48078	71.96	15233	B	1	11.50	F	Å
OT-8	53008	81.74	15223	B	1	6.00	F	
OT-8M	48079	103.85	15233	B	1	14.10	F	Å
OT-9	53009	147.82	15223	C	1	11.00	F	
OT-9M	48080	165.68	15233	C	1	24.50	F	Å
OTA-1	53024	11.57	15221	B	10/50	0.42	F	
OTA-1M	48082	8.58	15231	B	5	0.20	F	Å
OTA-2	53026	13.43	15221	B	5/25	0.54	F	
OTA-2M	48083	10.92	15231	B	2	0.07	F	Å
OTA-3M	48084	14.33	15231	B	2	1.20	F	Å
OTB-1	53011	7.42	15221	A	10	0.40	F	
OTB-1M	48085	7.29	15231	A	5	0.82	F	Å
OTB-2	53012	8.02	15221	A	5	0.48	F	
OTB-2M	48086	8.79	15231	A	5	1.16	F	Å
OTB-3	53013	11.30	15221	A	5/25	0.68	F	
OTB-3M	48087	12.50	15231	A	2	1.80	F	Å
OTB-4	53014	15.67	15222	B	1/5	1.50	F	
OTB-4M	48088	19.07	15232	B	1	3.70	F	Å
OTB-5	53015	22.44	15222	B	1/5	1.60	F	
OTB-5M	48089	24.89	15232	B	1	4.30	F	Å
OTB-6	53016	35.27	15222	B	1/5	2.40	F	
OTB-6M	48090	38.59	15232	B	1	7.60	F	Å
OUB-5	53100	41.66	15222	C	1/5	1.70	F	
OX-1	55001	6.49	15221	A	5/25	0.36	F	
OX-1M	48091	8.87	15231	A	5	1.16	F	Å
OX-2	55002	8.79	15221	A	5/25	0.52	F	
OX-2M	48092	10.35	15231	A	5	1.56	F	Å
OX-3	55003	12.22	15221	A	5/25	0.74	F	
OX-3M	48093	14.41	15231	A	2	2.40	F	Å
OX-4	55004	16.50	15222	B	1	1.70	F	
OX-4M	48094	20.32	15232	B	1	3.80	F	Å
OX-5	55005	23.69	15222	B	1	1.90	F	
OX-5M	48095	28.16	15232	B	1	4.60	F	Å
OX-6	55006	40.89	15222	B	2	2.75	F	
OX-6M	48096	45.28	15232	B	1	8.10	F	Å

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
PF-16	55116	53.58	16110	B	1/5	1.20	F	
PF-2	55103	9.94	16110	B	5/50	0.18	F	
PF-4	55104	18.60	16110	B	5/50	0.34	F	
PL-7	55119	22.69	11264	C	5/25	0.32	PR	
PLUG1	01061	1.22	16260	A	50	0.06	F	Å
PLUG10	01070	16.82	16260	A	2	3.30	F	Å
PLUG10-SQ	01080	16.82	16260	A	2	2.85	F	Å
PLUG1-SQ	01071	1.22	16260	A	50	0.10	F	Å
PLUG2	01062	1.36	16260	A	50	0.10	F	Å
PLUG2-SQ	01072	1.36	16260	A	50	0.17	F	Å
PLUG3	01063	1.67	16260	A	25	0.19	F	Å
PLUG3-SQ	01073	1.67	16260	A	25	0.23	F	Å
PLUG4	01064	1.81	16260	A	25	0.33	F	Å
PLUG4-SQ	01074	1.81	16260	A	25	0.34	F	Å
PLUG5	01065	2.58	16260	A	10	0.48	F	Å
PLUG5-SQ	01075	2.59	16260	A	10	0.47	F	Å
PLUG6	01066	4.39	16260	A	10	0.81	F	Å
PLUG6-SQ	01076	4.41	16260	A	10	0.78	F	Å
PLUG7	01067	6.84	16260	A	5	1.44	F	Å
PLUG7-SQ	01077	6.84	16260	A	5	1.13	F	Å
PLUG8	01068	1	16260	A	2	2.16	F	Å
PLUG8-SQ	01078	1	16260	A	2	1.79	F	Å
PLUG9	01069	12.56	16260	A	2	2.40	F	Å
PLUG9-SQ	01079	12.57	16260	A	2	2.40	F	Å
PW-64023	55400	452.86	11264	N	1	8.10	PR	
PW-64026	55402	452.86	11264	N	1	8.10	PR	
PW-64029	55404	452.86	11264	N	1	8.10	PR	
PW-65023	55406	428.64	11264	N	1	8.10	PR	
PW-65026	55408	428.64	11264	N	1	8.10	PR	
PW-65029	55410	428.64	11264	N	1	8.10	PR	
PWB-1	96146	28.90	9330	N	1/5	1.00	C	
PWB-2	96147	30.81	9330	N	1/5	1.50	C	
PWB-3	96148	32.84	9330	N	1/5		C	
PWB-4	96149	38.76	9330	N	1/5	1.00	C	
PWB-5	96150	40.79	9330	N	1/5		C	
PWB-6	96151	44.80	9330	N	1/5		C	
PWB-7	96152	44.80	9330	N	1/5	1.50	C	
PWB-8	96153	46.77	9330	N	1/5	1.50	C	
PWB-9	96154	48.86	9330	N	1/5	2.00	C	
PWB-10	96155	55.70	9330	N	1/5		C	
PWB-11	96156	59.82	9330	N	1/5	1.50	C	
PWB-12	96157	63.76	9330	N	1/5	1.00	C	
PWC-10	96158	22.05	9330	N	1		C	
PWC-11	96159	22.05	9330	N	1	0.50	C	
PWC-12	96160	22.05	9330	N	1	0.50	C	
PWC-20	96161	39.86	9330	N	1/5	0.50	C	
PWC-23	96162	39.86	9330	N	1/5	1.00	C	
PWC-24	96163	39.86	9330	N	1/5	0.50	C	
PWBL	96600	26.69	9330	N	1/5		C	
PWBS	96601	13.35	9330	N	1	1.00	C	
QL-5G	99183	22.72	5382	N	1	1.00	L	
QL-TB	99185	9.77	5382	N	1	1.00	L	
QL-15G	56210	34.54	5382	N	1	1.50	L	
QL-500K	99184	31.43	5382	A	1	4.00	L	
QL-500K-WQ	56203	44.31	5382	A	1	3.50	L	
QL-1505K	56206	35.90	5382	A	1	5.10	L	
QL-1505K-WQ	56207	57.84	5382	A	1	5.10	L	
QM-500K	56208	33.83	5382	A	1	3.20	L	
R-10	56500	1.37	16171	B	50/250	0.02	F	
R-101	56524	38.64	16172	C	1/5	2.40	F	
R-102	56526	36.90	16172	C	1/5	2.34	F	
R-103	56528	37.22	16172	C	1/5	2.30	F	
R-104	56530	37.22	16172	C	1/5	2.26	F	
R-105	56532	37.22	16172	C	1/5	2.20	F	
R-106	56534	31.50	16172	C	1	2.00	F	
R-107	56536	22.05	16172	C	1	1.60	F	
R-108	56538	22.05	16172	C	1	1.20	F	
R-109	57026	22.05	16172	C	1	0.90	F	
R-21	57001	1.26	16171	A	50/250	0.03	F	
R-31	57002	1.79	16171	A	50/250	0.07	F	
R-32	57003	1.79	16172	A	50/250	0.05	F	
R-41	57004	2.57	16172	A	20/100	0.15	F	
R-42	57005	2.57	16172	A	20/100	0.12	F	
R-43	57006	2.57	16172	A	20/100	0.09	F	
R-51	57007	4.73	16172	B	20/100	0.20	F	
R-52	57008	4.20	16172	A	20/100	0.18	F	
R-53	57009	4.20	16172	A	20/100	0.12	F	
R-54	57010	4.20	16172	A	20/100	0.08	F	
R-61	57011	7.14	16172	C	10	0.37	F	
R-62	57012	7.40	16172	B	10	0.35	F	
R-63	57013	5.72	16172	A	10	0.30	F	
R-64	57014	5.72	16172	A	10	0.26	F	
R-65	57015	5.72	16172	A	10/50	0.19	F	
R-71	56502	11.24	16172	C	5	0.94	F	
R-72	56504	11.24	16172	C	5	0.88	F	
R-73	57020	9.45	16172	C	5	0.80	F	
R-74	57021	10.71	16172	C	5	0.58	F	
R-75	57016	8.82	16172	B	5	0.52	F	
R-76	57017	8.82	16172	B	5	0.32	F	
R-81	56506	14.86	16172	C	5/25	0.90	F	
R-82	56508	14.86	16172	C	5/25	0.86	F	
R-83	56510	13.07	16172	C	5/25	0.82	F	
R-84	56512	13.07	16172	C	5/25	0.96	F	
R-85	57022	10.87	16172	C	5/25	0.92	F	
R-86	57018	10.40	16172	B	5/25	0.90	F	
R-87	57019	9.82	16172	B	5/25	0.68	F	
R-91	56514	20.84	16172	C	1/5	2.00	F	
R-92	56516	20.84	16172	C	1/5	1.90	F	
R-93	56518	26.57	16172	C	1/5	1.80	F	
R-94	56520	26.57	16172	C	1/5	1.70	F	
R-95	56522	26.57	16172	C	1/5	1.60	F	
R-96	57023	20.84	16172	C	1/5	1.40	F	
R-97	57024	18.85	16172	C	1/5	1.00	F	
R-98	57025	18.85	16172	C	1/5	0.60	F	
RE21S	01081	1.22	16271	A	50	0.06	F	Å
RE31S	01082	1.36	16271	A	25	0.14	F	Å
RE32S	01083	1.36	16271	A	25	0.08	F	Å
RE41S	01084	2.30	16271	A	10	0.29	F	Å
RE42S	01085	2.30	16271	A	10	0.23	F	Å
RE43S	01086	2.30	16271	A	10	0.17	F	Å
RE51S	01087	3.94	16271	A	10	0.39	F	Å
RE52S	01088	3.94	16271	A	10	0.35	F	Å
RE53S	01089	3.94	16271	A	10	0.31	F	Å
RE54S	01090	3.94	16271	A	10	0.17	F	Å
RE61S	01091	6.84	16271	A	5	0.68	F	Å
RE62S	01092	6.84	16271	A	5	0.64	F	Å
RE63S	01093	5.30	16271	A	5	0.57	F	Å
RE64S	01094	5.30	16271	A	5	0.45	F	Å
RE65S	01095	5.30	16271	A	5	0.38	F	Å
RW64C	56700	475.65	11264	N	1	6.00	PR	
RW64C91	56701	661.51	11264	N	1	15.00	PR	
RW64C92	56702	665.51	11264	N	1	15.00	PR	
RW65C	56716	450.02	11264	N	1	6.00	PR	
RW65C91	56717	635.88	11264	N	1	15.00	PR	
RW65C92	56718	639.87	11264	N	1	15.00	PR	
SBR-27	63043	15.38	5641	N	1	0.50	L	
SC-1 LB	58510	7.35	16110	A	1/10	1.10	F	
SC-4 OZ	58498	3.83	16110	A	5/25	0.20	F	
SC-5 LB	57105	19.52	16110	B	1	5.50	F	
SC-8 OZ	58500	4.38	16110	A	2/10	0.65	F	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
SHRD-A1B	40995	0.44	15581	N	50	0.01	F	Â
SHRD-A1C	40996	0.44	15581	N	50	0.02	F	Â
SHRD-A1D	40997	0.79	15581	N	50	0.02	F	Â
SHRD-A1E	40998	0.85	15581	N	25	0.03	F	Â
SHRD-A1F	40999	1.24	15581	N	25	0.03	F	Â
SHRD-A1G	41000	1.44	15581	N	5	0.04	F	Â
SHRD-A1H	41020	2.35	15581	N	5	0.04	F	Â
SHRD-A1I	41021	2.35	15581	N	5	0.05	F	Â
SHRD-A1J	41022	4.04	15581	N	5	0.05	F	Â
SHRD-A1K	41023	4.04	15581	N	1	0.06	F	Â
SHRD-A1L	41024	6.52	15581	N	1	0.06	F	Â
SHRD-A1M	41025	6.52	15581	N	1	0.07	F	Â
SHRD-A1N	41026	16.50	15581	N	1	0.07	F	Â
SHRD-P1B	41027	0.44	15581	N	50	0.02	F	Â
SHRD-P1C	41028	0.44	15581	N	50	0.03	F	Â
SHRD-P1D	41029	0.79	15581	N	50	0.03	F	Â
SHRD-P1E	41030	0.85	15581	N	25	0.04	F	Â
SHRD-P1F	41031	1.24	15581	N	25	0.04	F	Â
SHRD-P1G	41032	1.44	15581	N	5	0.05	F	Â
SHRD-P1H	41033	2.35	15581	N	5	0.05	F	Â
SHRD-P1I	41034	2.35	15581	N	5	0.06	F	Â
SHRD-P1J	41035	4.04	15581	N	1	0.06	F	Â
SHRD-P1K	41036	4.04	15581	N	1	0.07	F	Â
SHRD-P1L	41037	6.52	15581	N	1	0.07	F	Â
SHRD-P1M	41038	6.52	15581	N	1	0.08	F	Â
SHRD-P1N	41039	16.50	15581	N	1	0.08	F	Â
SLB-1	59001	3.69	15541	A	5/50	0.22	F	
SLB-2	59002	4.60	15541	A	5	0.30	F	
SLB-3	59003	7.28	15541	A	5/25	0.46	F	
SLB-4	59004	9.69	15541	A	2	0.90	F	
SLB-5	59005	22.49	15541	A	1/5	1.30	F	
SLB-6	59006	31.37	15541	A	1/5	1.70	F	
SLB-7	59007	74.75	15541	B	4	3.00	F	
SLBM-4	59009	15.15	15541	B	2	1.25	F	
SLBM-6	59010	33.74	15541	B	1/5	2.20	F	
SOLB-0	59210	211.20	15541	C	1	8.00	F	
SOLB-9	59209	164.61	15541	C	1	9.00	F	
SRZ30-050NPT	41144	1.29	15581	N	50	0.06	F	Â
SRZ30-075NPT	41145	1.71	15581	N	25	0.08	F	Â
SRZ30-100NPT	41146	4.40	15581	N	25	0.10	F	Â
SRZ30-125NPT	41147	8.65	15581	N	5	0.12	F	Â
SRZ30-150NPT	41148	9.06	15581	N	5	0.14	F	Â
SRZ30-200NPT	41149	12.46	15581	N	1	0.16	F	Â
SRZ30-250NPT	41150	16.11	15581	N	1	0.18	F	Â
SRZ30-300NPT	41151	62.69	15581	N	1	0.20	F	Â
SRZ30-M20	41040	0.66	15581	N	50	0.06	F	Â
SRZ30-M25	41041	1.31	15581	N	25	0.08	F	Â
SRZ30-M32	41042	3.95	15581	N	25	0.10	F	Â
SRZ30-M40	41043	8.16	15581	N	5	0.12	F	Â
SRZ30-M50	41044	9.10	15581	N	5	0.14	F	Â
SRZ30-M63	41045	12.51	15581	N	1	0.16	F	Â
SRZ30-M75	41046	12.84	15581	N	1	0.18	F	Â
SRZ30-M90	41047	62.69	15581	N	1	0.20	F	Â
SSHZ-4240R-A1	62010	338.53	5641	N	1		L	
SSHZ-4240R-A4	62012	339.89	5641	N	1		L	
SSHZ-4240R-E1	62000	309.07	5631	N	1	28.00	L	
SSHZ-4240R-E4	62043	310.43	5631	N	1	30.00	L	
SSHZ-4240R-L1	62006	311.67	5631	N	1		L	
SSHZ-4240R-L4	62008	311.34	5641	N	1		L	
SSHZ-4340R-A1	62011	357.97	5641	N	1		L	
SSHZ-4340R-A4	62013	359.21	5641	N	1		L	
SSHZ-4340R-E1	62001	328.68	5631	N	1	30.00	L	
SSHZ-4340R-E4	62004	330.05	5631	N	1	30.00	L	
SSHZ-4340R-L1	62007	331.29	5631	N	1		L	
SSHZ-4340R-L4	62009	330.78	5641	N	1		L	
SSHZ-45	62044	31.30	5631	N	1	0.50	L	
STFB-0	61009	111.13	15591	C	1	16.00	F	
STFB-2	61001	4.96	15591	A	5/25	0.68	F	
STFB-3	61002	5.79	15591	A	5/25	0.74	F	
STFB-4	61003	7.11	15591	A	4	0.78	F	
STFB-5	61004	12.67	15591	A	2/10	0.85	F	
STFB-6	61005	23.37	15591	A	1/5	1.80	F	
STFB-7	61006	61.24	15591	B	2	6.50	F	
STFB-8	61007	82.13	15591	B	1	6.50	F	
SWB-1	63001	20.79	9366	N	1	1.20	C	
SWB-2	63002	21.08	9366	N	1	1.26	C	
SWB-3	63003	22.05	9366	N	1	1.26	C	
SWB-4	63004	20.79	9366	N	1	1.26	C	
SWB-5	63005	22.05	9366	N	1	1.26	C	
SWB-6	63006	22.33	9366	N	1	6.30	C	
SWB-7	63007	41.59	9366	N	1	2.70	C	
SWB-8	63008	42.15	9366	N	1	2.70	C	
SWB-9	63009	42.84	9366	N	1	2.70	C	
SWB-10	63010	42.16	9366	N	1	2.70	C	
SWB-11	63011	42.84	9366	N	1	2.70	C	
SWB-12	63012	43.24	9366	N	1	2.70	C	
SWB-13	63014	38.45	9366	N	1	2.00	C	
SWB-14	63016	43.24	9366	N	1	2.70	C	
SWB-15	63071	55.61	9366	N	1	5.00	C	
SWB-16	63072	73.21	9366	N	1/5	5.60	C	
SWB-17	63018	48.98	9366	N	1	4.00	C	
SWB-18	63020	71.15	9366	N	1	5.40	C	
SWB-19	63022	97.02	9366	N	1	8.10	C	
SWB-20	63024	126.58	9366	N	1	10.80	C	
SWB-21	63026	143.33	9366	N	1	13.50	C	
SWB-32	63102	298.17	9366	N	1	16.20	C	
SWB-33	63104	395.14	9366	N	1	21.60	C	
SWB-34	63106	491.76	9366	N	1	27.00	C	
SWB-38	63114	738.55	9366	N	1	38.00	C	
SWB-42	63130	55.86	9366	N	1	2.70	C	
SWB-45	63136	68.48	9366	N	1	2.70	C	
SWB-83	63080	162.60	9366	N	1	8.50	C	
SWBC-13	63052	54.25	9366	N	1	3.00	C	
SWBC-14	63054	59.30	9366	N	1	3.70	C	
SWBC-15	63056	91.49	9366	N	1	6.20	C	
SWBC-16	63058	118.50	9366	N	1	8.10	C	
SWBC-83	63070	237.58	9366	N	1	12.00	C	
SWZ60-050NPT	41055	0.46	15581	N	50	0.01	F	Â
SWZ60-075NPT	41056	0.51	15581	N	25	0.01	F	Â
SWZ60-100NPT	41057	0.68	15581	N	5	0.02	F	Â
SWZ60-125NPT	41058	0.95	15581	N	5	0.03	F	Â
SWZ60-150NPT	41059	1.34	15581	N	5	0.04	F	Â
SWZ60-200NPT	41060	2.21	15581	N	1	0.05	F	Â
SWZ60-250NPT	41061	2.58	15581	N	1	0.06	F	Â
SWZ60-300NPT	41153	3.71	15581	N	1	0.06	F	Â
SWZ60-M20	41048	0.29	15581	N	50	0.01	F	Â
SWZ60-M25	41049	0.35	15581	N	25	0.01	F	Â
SWZ60-M32	41050	0.48	15581	N	25	0.02	F	Â
SWZ60-M40	41051	0.59	15581	N	5	0.03	F	Â
SWZ60-M50	41052	0.89	15581	N	5	0.04	F	Â
SWZ60-M63	41053	1.65	15581	N	1	0.05	F	Â
SWZ60-M75	41054	1.79	15581	N	1	0.06	F	Â
SWZ60-M90	41152	3.71	15581	N	1	0.20	F	Â
T17	01130	6.83	15211	A	5		F	Â
T17SA	08030	5.94	15201	A	5	0.54	F	
T18	48131	6.70	15218	A	5	1.40	F	Â
T27	01131	7.15	15211	A	5	1.50	F	Â
T27SA	08031	7.05	15201	A	5	0.72	F	
T28	48132	7.90	15218	A	5	2.00	F	Â
T37	01132	10.79	15211	A	2	2.50	F	Â

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
T37SA	08032	10.68	15201	A	2	0.90	F	
T38	48133	11.65	15218	A	2	2.20	F	Å
T448	48134	17.45	15219	A	1	3.80	F	Å
T47	01133	15.68	15212	A	2	3.00	F	Å
T47SA	08033	15.48	15202	A	2	1.20	F	
T57	01134	20.94	15212	A	2	3.50	F	Å
T57SA	08034	20.67	15202	A	2	1.40	F	
T58	48135	23.40	15219	A	1	5.70	F	Å
T67	01135	32.33	15212	A	1	5.50	F	Å
T67SA	08035	31.93	15202	A	1	2.00	F	
T68	48136	35.70	15219	A	1	9.30	F	Å
T77	01136	63.54	15213	A	1	17.00	F	Å
T77SA	08036	62.65	15203	B	1	5.70	F	
T78	48137	65.35	15220	B	1	15.70	F	Å
T87	01137	92.66	15213	A	1	12.00	F	Å
T87SA	08037	91.41	15203	B	1	4.50	F	
T88	48138	95.50	15220	B	1	16.90	F	Å
T97	01138	144.19	15213	B	1	25.00	F	Å
T97SA	08038	126.76	15203	B	1	11.00	F	
T107	01139	161.56	15213	A	1	18.00	F	Å
T107SA	08039	159.39	15203	B	1	9.00	F	
TA17	01170	10.22	15211	B	5	1.50	F	Å
TA17SA	08064	9.64	15201	A	5	0.54	F	
TA27	01171	12.59	15211	A	2	2.00	F	Å
TA27SA	08065	11.98	15201	A	2	0.60	F	
TA37	01172	14.11	15211	A	2	2.50	F	Å
TA37SA	08066	13.28	15201	A	2	0.95	F	
TA47	01173	19.96	15212	B	1	3.00	F	Å
TA47SA	08067	18.60	15202	A	1	1.20	F	
TA57	01174	26.63	15212	B	1	4.00	F	Å
TA57SA	08068	25.06	15202	A	1	1.80	F	
TA67	01175	46.44	15212	B	1	6.00	F	Å
TA67SA	08069	42.09	15202	A	1	2.50	F	
TB17	01180	6.50	15211	A	5	1.50	F	Å
TB17SA	08070	6.47	15201	A	5	0.52	F	
TB18	48139	7.75	15218	A	5	1.50	F	Å
TB27	01181	7.93	15211	A	5	2.00	F	Å
TB27SA	08071	7.85	15201	A	5	0.72	F	
TB28	48140	11.38	15218	A	5	2.00	F	Å
TB37	01182	11.24	15211	A	2	2.50	F	Å
TB37SA	08072	11.09	15201	A	2	0.90	F	
TB38	48141	11.65	15218	A	2	2.60	F	Å
TB448	48142	17.45	15219	B	1	3.80	F	Å
TB47	01183	16.97	15212	A	1	1.50	F	Å
TB47SA	08073	16.52	15202	A	1	1.20	F	
TB57	01184	22.19	15212	A	1	3.00	F	Å
TB57SA	08074	21.88	15202	A	1	1.40	F	
TB58	48143	23.40	15219	B	1	5.70	F	Å
TB67	01185	34.70	15212	A	1	5.50	F	Å
TB67SA	08075	34.30	15202	A	1	2.10	F	
TB68	48144	36.70	15219	B	1	9.30	F	Å
TBWE-12	64028	59.42	1327	N	1		E	
TBWE-15	64029	66.26	1327	N	1		E	
TBWE-18	64030	76.81	1327	N	1		E	
TBWE-21	64031	85.93	1327	N	1		E	
TBWE-24	64032	95.45	1327	N	1		E	
TBWE-27	64033	105.54	1327	N	1		E	
TBWE-3	64025	27.84	1327	N	1		E	
TBWE-30	64034	115.12	1327	N	1		E	
TBWE-33	64035	125.22	1327	N	1		E	
TBWE-36	64036	134.62	1327	N	1		E	
TBWE-39	64037	144.83	1327	N	1		E	
TBWE-42	64038	154.11	1327	N	1		E	
TBWE-45	64039	164.56	1327	N	1		E	
TBWE-48	64040	173.73	1327	N	1		E	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
TBWE-51	64041	184.29	1327	N	1		E	
TBWE-54	64042	193.80	1327	N	1		E	
TBWE-57	64043	203.78	1327	N	1		E	
TBWE-6	64026	36.84	1327	N	1		E	
TBWE-60	64044	213.42	1327	N	1		E	
TBWE-9	64027	46.78	1327	N	1		E	
TEA051DW06006	03103	302.14	1351	N	1		E	Å
TEA051DW08008	03102	284.24	1351	N	1		E	Å
TEA051DW10015	03101	284.24	1351	N	1		E	Å
TEA051DW12018	03104	284.24	1351	N	1		E	Å
TEA061DW06006	03111	312.68	1351	N	1		E	Å
TEA061DW08012	03110	284.73	1351	N	1		E	Å
TEA061DW10018	03109	284.73	1351	N	1		E	Å
TEA061DW12024	03112	284.73	1351	N	1		E	Å
TEA063DW02015	03124	667.86	1351	N	1		E	Å
TEA063DW06018	03121	667.86	1351	N	1		E	Å
TEA063DW08024	03119	587.17	1351	N	1		E	Å
TEA063DW08048	03120	660.41	1351	N	1		E	Å
TEA063DW10036	03117	587.17	1351	N	1		E	Å
TEA063DW10072	03118	660.41	1351	N	1		E	Å
TEA063DW12045	03122	587.17	1351	N	1		E	Å
TEA063DW12090	03123	660.41	1351	N	1		E	Å
TEA093DW02030	03140	856.82	1351	N	1		E	Å
TEA093DW06036	03137	856.82	1351	N	1		E	Å
TEA093DW08048	03135	791.61	1351	N	1		E	Å
TEA093DW06006	03136	934.53	1351	N	1		E	Å
TEA093DW10060	03133	791.61	1351	N	1		E	Å
TEA093DW10144	03134	934.53	1351	N	1		E	Å
TEA093DW12090	03138	791.61	1351	N	1		E	Å
TEA093DW12180	03139	934.53	1351	N	1		E	Å
TEAS71DW08024	03150	358.01	1351	N	1		E	Å
TEAS71DW10036	03149	358.01	1351	N	1		E	Å
TEAS71DW12045	03151	358.01	1351	N	1		E	Å
TEAS73DW06018	03157	472.07	1351	N	1		E	Å
TEAS73DW08024	03156	434.78	1351	N	1		E	Å
TEAS73DW10036	03155	434.78	1351	N	1		E	Å
TEAS73DW12045	03158	434.78	1351	N	1		E	Å
TEB051DW06006	03107	338.42	1351	N	1		E	Å
TEB051DW08008	03106	319.78	1351	N	1		E	Å
TEB051DW10015	03105	319.78	1351	N	1		E	Å
TEB051DW12018	03108	319.78	1351	N	1		E	Å
TEB061DW06006	03115	349.76	1351	N	1		E	Å
TEB061DW08012	03114	321.79	1351	N	1		E	Å
TEB061DW10018	03113	321.79	1351	N	1		E	Å
TEB061DW12024	03116	321.79	1351	N	1		E	Å
TEB063DW02015	03132	736.69	1351	N	1		E	Å
TEB063DW06018	03129	736.69	1351	N	1		E	Å
TEB063DW08024	03127	656.99	1351	N	1		E	Å
TEB063DW08048	03128	729.24	1351	N	1		E	Å
TEB063DW10036	03125	656.99	1351	N	1		E	Å
TEB063DW10072	03126	729.24	1351	N	1		E	Å
TEB063DW12045	03130	656.99	1351	N	1		E	Å
TEB063DW12090	03131	729.24	1351	N	1		E	Å
TEB093DW02030	03148	943.65	1351	N	1		E	Å
TEB093DW06036	03145	943.65	1351	N	1		E	Å
TEB093DW08048	03143	876.44	1351	N	1		E	Å
TEB093DW08096	03144	1028.72	1351	N	1		E	Å
TEB093DW10060	03141	876.44	1351	N	1		E	Å
TEB093DW10144	03142	1028.72	1351	N	1		E	Å
TEB093DW12090	03146	876.44	1351	N	1		E	Å
TEB093DW12180	03147	1028.72	1351	N	1		E	Å
TEBS71DW08024	03153	403.42	1351	N	1		E	Å
TEBS71DW10036	03152	403.42	1351	N	1		E	Å
TEBS71DW12045	03154	403.42	1351	N	1		E	Å
TEBS73DW06018	03161	523.78	1351	N	1		E	Å

Refer to page 2 for explanation of symbols.

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TEB5730W06024	03160	488.66	1351	N	1		E	A
TEB5730W10030	03159	488.66	1351	N	1		E	A
TEB5730W12045	03162	488.66	1351	N	1		E	A
TEB2610W06030	03196	302.14	1351	N	1		E	A
TEB2610W06060	03195	284.24	1351	N	1		E	A
TEB2610W10015	03194	284.24	1351	N	1		E	A
TEB2610W12018	03197	284.24	1351	N	1		E	A
TEB2610W12024	03204	312.08	1351	N	1		E	A
TEB2610W06012	03203	284.73	1351	N	1		E	A
TEB2610W10018	03202	284.73	1351	N	1		E	A
TEB2610W12024	03205	284.73	1351	N	1		E	A
TEB2630W06015	03217	857.86	1351	N	1		E	A
TEB2630W06018	03214	857.86	1351	N	1		E	A
TEB2630W10024	03212	907.17	1351	N	1		E	A
TEB2630W06048	03213	868.41	1351	N	1		E	A
TEB2630W10030	03210	907.17	1351	N	1		E	A
TEB2630W10072	03211	868.41	1351	N	1		E	A
TEB2630W12045	03215	907.17	1351	N	1		E	A
TEB2630W12060	03216	868.41	1351	N	1		E	A
TEB2630W12072	03233	868.41	1351	N	1		E	A
TEB2630W06030	03230	868.41	1351	N	1		E	A
TEB2630W06060	03228	791.61	1351	N	1		E	A
TEB2630W10060	03229	934.53	1351	N	1		E	A
TEB2630W10072	03226	791.61	1351	N	1		E	A
TEB2630W10144	03227	934.53	1351	N	1		E	A
TEB2630W12060	03231	791.61	1351	N	1		E	A
TEB2630W12144	03232	934.53	1351	N	1		E	A
TEB2710W06024	03243	359.01	1351	N	1		E	A
TEB2710W10030	03242	359.01	1351	N	1		E	A
TEB2710W12045	03244	359.01	1351	N	1		E	A
TEB2730W06018	03250	472.07	1351	N	1		E	A
TEB2730W06024	03249	434.78	1351	N	1		E	A
TEB2730W10030	03248	434.78	1351	N	1		E	A
TEB2730W12045	03251	434.78	1351	N	1		E	A
TEB2610W06006	03200	538.42	1351	N	1		E	A
TEB2610W06036	03199	316.78	1351	N	1		E	A
TEB2610W10015	03198	319.78	1351	N	1		E	A
TEB2610W12018	03201	319.78	1351	N	1		E	A
TEB2610W06060	03208	340.78	1351	N	1		E	A
TEB2610W06012	03207	321.78	1351	N	1		E	A
TEB2610W10018	03206	321.78	1351	N	1		E	A
TEB2610W12024	03209	321.78	1351	N	1		E	A
TEB2630W06015	03225	736.66	1351	N	1		E	A
TEB2630W06018	03222	788.66	1351	N	1		E	A
TEB2630W06024	03220	958.66	1351	N	1		E	A
TEB2630W06048	03221	723.24	1351	N	1		E	A
TEB2630W10030	03218	858.86	1351	N	1		E	A
TEB2630W10072	03219	728.84	1351	N	1		E	A
TEB2630W12045	03223	858.86	1351	N	1		E	A
TEB2630W12060	03224	728.24	1351	N	1		E	A
TEB2630W12072	03241	848.86	1351	N	1		E	A
TEB2630W06030	03238	848.86	1351	N	1		E	A
TEB2630W06048	03236	878.44	1351	N	1		E	A
TEB2630W06060	03237	1028.72	1351	N	1		E	A
TEB2630W10060	03234	878.44	1351	N	1		E	A
TEB2630W10144	03235	1028.72	1351	N	1		E	A
TEB2630W12060	03239	878.44	1351	N	1		E	A
TEB2630W12144	03240	1028.72	1351	N	1		E	A
TEB2710W06024	03246	483.42	1351	N	1		E	A
TEB2710W10030	03245	483.42	1351	N	1		E	A
TEB2710W12045	03247	483.42	1351	N	1		E	A
TEB2730W06018	03254	529.76	1351	N	1		E	A
TEB2730W06024	03253	488.66	1351	N	1		E	A
TEB2730W10030	03252	488.66	1351	N	1		E	A
TEB2730W12045	03255	488.66	1351	N	1		E	A

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Cwt.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
TEF5610W06030	03290	178.58	1351	N	1		E	A
TEF5610W06060	03289	152.04	1351	N	1		E	A
TEF5610W10015	03288	152.04	1351	N	1		E	A
TEF5610W12018	03291	152.04	1351	N	1		E	A
TEF5610W06060	03294	166.14	1351	N	1		E	A
TEF5610W06012	03293	166.14	1351	N	1		E	A
TEF5610W10018	03292	166.14	1351	N	1		E	A
TEF5610W12024	03295	166.14	1351	N	1		E	A
TEF5630W12015	03303	419.49	1351	N	1		E	A
TEF5630W06018	03300	419.49	1351	N	1		E	A
TEF5630W06024	03298	338.79	1351	N	1		E	A
TEF5630W06048	03299	412.69	1351	N	1		E	A
TEF5630W10060	03296	338.79	1351	N	1		E	A
TEF5630W10072	03297	412.69	1351	N	1		E	A
TEF5630W12048	03301	338.79	1351	N	1		E	A
TEF5630W12060	03302	412.69	1351	N	1		E	A
TEF5630W12072	03311	645.98	1351	N	1		E	A
TEF5630W06030	03308	645.98	1351	N	1		E	A
TEF5630W06060	03306	685.77	1351	N	1		E	A
TEF5630W06072	03307	787.82	1351	N	1		E	A
TEF5630W10060	03304	590.77	1351	N	1		E	A
TEF5630W10144	03305	782.82	1351	N	1		E	A
TEF5630W12060	03309	590.77	1351	N	1		E	A
TEF5630W12144	03310	782.82	1351	N	1		E	A
TEF5710W06024	03313	211.64	1351	N	1		E	A
TEF5710W10030	03312	211.64	1351	N	1		E	A
TEF5710W12045	03314	211.64	1351	N	1		E	A
TEF5730W06018	03317	311.52	1351	N	1		E	A
TEF5730W06024	03316	274.24	1351	N	1		E	A
TEF5730W10030	03315	274.24	1351	N	1		E	A
TEF5730W12045	03318	274.24	1351	N	1		E	A
TAB2610W10015	03163	284.24	1351	N	1		E	A
TAB2610W12018	03164	284.24	1351	N	1		E	A
TAB2610W10018	95960	284.73	1351	N	1		E	A
TAB2610W12024	03167	284.73	1351	N	1		E	A
TAB2630W10030	03170	907.17	1351	N	1		E	A
TAB2630W10072	03171	868.41	1351	N	1		E	A
TAB2630W12045	03172	907.17	1351	N	1		E	A
TAB2630W12060	03173	868.41	1351	N	1		E	A
TAB2630W10072	03178	791.61	1351	N	1		E	A
TAB2630W10144	03179	934.53	1351	N	1		E	A
TAB2630W12060	03180	791.61	1351	N	1		E	A
TAB2630W12144	03181	934.53	1351	N	1		E	A
TAB2710W10030	03186	359.01	1351	N	1		E	A
TAB2710W12045	03187	359.01	1351	N	1		E	A
TAB2730W10030	03190	434.78	1351	N	1		E	A
TAB2730W12045	03191	434.78	1351	N	1		E	A
TBB5610W10015	03165	319.78	1351	N	1		E	A
TBB5610W12018	03166	319.78	1351	N	1		E	A
TBB5610W10018	03168	321.78	1351	N	1		E	A
TBB5610W12024	03169	321.78	1351	N	1		E	A
TBB5630W10030	03174	858.86	1351	N	1		E	A
TBB5630W10072	03175	728.24	1351	N	1		E	A
TBB5630W12045	03176	858.86	1351	N	1		E	A
TBB5630W12060	03177	728.24	1351	N	1		E	A
TBB5630W10072	03182	878.44	1351	N	1		E	A
TBB5630W10144	03183	1028.72	1351	N	1		E	A
TBB5630W12060	03185	1028.72	1351	N	1		E	A
TBB5630W12144	03184	878.44	1351	N	1		E	A
TBB5710W10030	03188	483.42	1351	N	1		E	A
TBB5710W12045	03189	483.42	1351	N	1		E	A
TBB5730W10030	03192	488.66	1351	N	1		E	A
TBB5730W12045	03193	488.66	1351	N	1		E	A
TBC2610W10018	03256	284.24	1351	N	1		E	A
TBC2610W12018	03257	284.24	1351	N	1		E	A

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
TIC861DW10818	03260	284.73	1351	N	1		E	Å
TIC861DW12024	03261	284.73	1351	N	1		E	Å
TIC863DW10836	03264	587.17	1351	N	1		E	Å
TIC863DW10872	03265	660.41	1351	N	1		E	Å
TIC863DW12045	03266	587.17	1351	N	1		E	Å
TIC863DW12090	03267	660.41	1351	N	1		E	Å
TIC863DW10872	03272	791.61	1351	N	1		E	Å
TIC863DW10144	03273	934.53	1351	N	1		E	Å
TIC863DW12090	03274	791.61	1351	N	1		E	Å
TIC863DW12180	03275	934.53	1351	N	1		E	Å
TIC571DW10836	03280	356.81	1351	N	1		E	Å
TIC571DW12045	03281	356.81	1351	N	1		E	Å
TIC573DW10836	03284	434.78	1351	N	1		E	Å
TIC573DW12045	03285	434.78	1351	N	1		E	Å
TID851DW10815	03258	319.78	1351	N	1		E	Å
TID851DW12018	03259	319.78	1351	N	1		E	Å
TID861DW10818	03262	321.79	1351	N	1		E	Å
TID861DW12024	03263	321.79	1351	N	1		E	Å
TID863DW10836	03268	656.00	1351	N	1		E	Å
TID863DW10872	03269	729.24	1351	N	1		E	Å
TID863DW12045	03270	656.00	1351	N	1		E	Å
TID863DW12090	03271	729.24	1351	N	1		E	Å
TID893DW10872	03276	876.44	1351	N	1		E	Å
TID893DW10144	03277	1026.72	1351	N	1		E	Å
TID893DW12090	03278	876.44	1351	N	1		E	Å
TID863DW12180	03279	1026.72	1351	N	1		E	Å
TID571DW10836	03282	483.42	1351	N	1		E	Å
TID571DW12045	03283	483.42	1351	N	1		E	Å
TID573DW10836	03286	486.00	1351	N	1		E	Å
TID573DW12045	03287	486.00	1351	N	1		E	Å
TIF851DW10815	03319	152.84	1351	N	1		E	Å
TIF851DW12018	03320	152.84	1351	N	1		E	Å
TIF861DW10818	03321	165.16	1351	N	1		E	Å
TIF861DW12024	03322	165.16	1351	N	1		E	Å
TIF863DW10836	03323	338.79	1351	N	1		E	Å
TIF863DW10872	03324	412.03	1351	N	1		E	Å
TIF863DW12045	03325	338.79	1351	N	1		E	Å
TIF863DW12090	03326	412.03	1351	N	1		E	Å
TIF893DW10872	03327	580.77	1351	N	1		E	Å
TIF893DW10144	03328	702.02	1351	N	1		E	Å
TIF863DW12090	03329	580.77	1351	N	1		E	Å
TIF863DW12180	03330	702.02	1351	N	1		E	Å
TIF571DW10836	03331	211.84	1351	N	1		E	Å
TIF571DW12045	03332	211.84	1351	N	1		E	Å
TIF573DW10836	03333	274.24	1351	N	1		E	Å
TIF573DW12045	03334	274.24	1351	N	1		E	Å
TWCL-1	65114	4.89	15100	A	10/50	0.26	F	
TWCL-2	65116	5.89	15100	B	5/25	0.30	F	
TWOC-1	65001	4.91	15100	B	10/50	0.29	F	
TWOC-2	65002	6.06	15100	B	5/25	0.42	F	
TWOC-3	65003	8.79	15100	B	5/25	0.72	F	
TWOLB-0	65128	176.40	15100	C	1	7.00	F	
TWOLB-1	65007	4.91	15100	A	10/50	0.28	F	
TWOLB-2	65008	6.06	15100	A	5/25	0.42	F	
TWOLB-3	65009	8.79	15100	A	5/25	0.64	F	
TWOLB-4	65010	13.85	15100	B	1/5	1.60	F	
TWOLB-5	65011	17.63	15100	B	1/5	1.70	F	
TWOLB-6	65012	29.54	15100	B	5	2.20	F	
TWOLB-7	65124	71.65	15100	C	1	6.00	F	
TWOLB-8	65126	94.65	15100	C	1	5.50	F	
TWOLB-9	65028	140.90	15100	C	1	8.00	F	
TWOLRL-1	65019	6.22	15100	B	10/50	0.29	F	
TWOLRL-2	65020	7.58	15100	B	5/25	0.54	F	
TWOLRL-3	65021	10.15	15100	B	5/25	0.72	F	
TWOT-1	65022	6.06	15100	A	10	0.36	F	
TWOT-2	65023	7.58	15100	A	5	0.56	F	
TWOT-3	65024	10.48	15100	A	5/25	0.50	F	
TWOT-4	65025	16.43	15100	B	1/5	1.60	F	
TWOT-5	65026	22.00	15100	C	1/5	1.90	F	
TWOT-6	65027	34.56	15100	C	1/5	2.80	F	
UGF115AD	66098	526.66	11151	N	1	14.00	PR	
UGF115C1	66116	462.77	11151	N	1		PR	
UGF115C2	66117	483.66	11151	N	1		PR	
UGF115C3	66118	462.77	11151	N	1		PR	
UGF115E1 (USE UGF115C1)								
UGF115E2 (USE UGF115C2)								
UGF115E3 (USE UGF115C3)								
UGF120AD	66099	526.66	11151	N	1	14.00	PR	
UGF120C1	66100	462.77	11151	N	1	14.00	PR	
UGF120C2	66101	462.77	11151	N	1	14.00	PR	
UGF120C3	66102	462.77	11151	N	1	14.00	PR	
UGF120E1 (USE UGF120C1)								
UGF120E2 (USE UGF120C2)								
UGF120E3 (USE UGF120C3)								
UGMG	99235	26.44	11150	N	1	0.50	PR	
UGP-19231	99193	53.46	11150	N	1	0.40	PR	
UGP-19232	99871	53.46	11150	N	1		PR	
UGP-20231	99195	53.46	11150	N	1	0.50	PR	
UGP-20232	99872	53.46	11150	N	1	4.00	PR	
UGR10-20231	99217	317.76	11150	N	‡		PR	
UGR10-20232	99884	317.76	11150	N	‡		PR	
UGR11-20231	99219	318.43	11150	N	‡		PR	
UGR11-20232	99220	318.43	11150	N	‡		PR	
UGR1-20231	99199	158.59	11150	N	‡		PR	
UGR1-20232	99874	158.59	11150	N	‡		PR	
UGR12-20231	99221	318.43	11150	N	‡		PR	
UGR12-20232	99222	318.43	11150	N	‡		PR	
UGR2-20231	99201	158.59	11150	N	‡		PR	
UGR2-20232	99875	158.59	11150	N	‡		PR	
UGR3-20231	99203	159.84	11150	N	‡		PR	
UGR3-20232	99876	159.84	11150	N	‡		PR	
UGR4-20231	99205	158.59	11150	N	‡		PR	
UGR4-20232	99877	158.59	11150	N	‡		PR	
UGR5-20231	99878	159.84	11150	N	‡		PR	
UGR5-20232	99879	159.84	11150	N	‡		PR	
UGR6-20231	99209	160.13	11150	N	‡		PR	
UGR6-20232	99880	160.13	11150	N	‡		PR	
UGR7-20231	99881	317.76	11150	N	‡		PR	
UGR7-20232	99212	317.76	11150	N	‡		PR	
UGR8-20231	99213	317.76	11150	N	‡		PR	
UGR8-20232	99882	317.76	11150	N	‡		PR	
UGR9-20231	99215	318.43	11150	N	‡		PR	
UGR9-20232	99883	318.43	11150	N	‡		PR	
UGRA-20231	98400	157.98	11150	N	1	2.50	PR	
UGRA-20232	98401	157.98	11150	N	1		PR	
UGRB1-20231	99223	159.24	11150	N	1	3.00	PR	
UGRB1-20232	99224	159.24	11150	N	1		PR	
UGRB2-20231	99225	158.57	11150	N	1		PR	
UGRB2-20232	99226	158.57	11150	N	1	3.00	PR	
UGRB3-20231	99227	160.68	11150	N	1		PR	
UGRB3-20232	99228	160.68	11150	N	1		PR	
UGRB4-20231	99229	159.24	11150	N	1	3.50	PR	
UGRB4-20232	99230	159.24	11150	N	1	3.50	PR	
UGRB5-20231	99231	160.68	11150	N	1	3.50	PR	
UGRB5-20232	99232	160.68	11150	N	1	3.00	PR	
UGRB6-20231	99233	160.92	11150	N	1	3.50	PR	
UGRB6-20232	99234	160.92	11150	N	1		PR	
UGRO-20231	99197	137.98	11150	N	1	1.60	PR	
UGRO-20232	99873	137.98	11150	N	1	2.00	PR	
UHFB	01199	117.62	16240	C	1	10.50	F	Å

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
UNF1	01045	5.30	16240	A	5	0.50	F	Å
UNF12	01046	7.29	16240	A	5		F	Å
UNF2	01047	7.29	16240	A	5	1.00	F	Å
UNF3	01048	13.19	16240	A	5	1.00	F	Å
UNF4	01193	20.89	16240	A	4	5.25	F	Å
UNF5	01194	26.84	16240	A	4	6.00	F	Å
UNF6	01195	34.43	16240	A	4	7.50	F	Å
UNF7	01196	51.69	16240	B	5	7.80	F	Å
UNF8	01197	68.21	16240	B	5	5.40	F	Å
UNF9	01198	107.40	16240	C	1	37.50	F	Å
UNFL1	01058	13.69	16240	B	5		F	Å
UNFL2	01059	20.69	16240	B	5		F	Å
UNFL3	01060	30.95	16240	B	5		F	Å
UNFS1	01055	13.28	16240	B	5		F	Å
UNFS2	01056	18.36	16240	B	5		F	Å
UNF33	01057	21.18	16240	B	5		F	Å
UNY0	01209	145.97	16240	C	1	12.00	F	Å
UNY1	01041	5.77	16240	A	5	0.34	F	Å
UNY12	01042	8.21	16240	A	5		F	Å
UNY2	01043	8.19	16240	A	5	0.25	F	Å
UNY3	01044	13.97	16240	A	5	0.50	F	Å
UNY4	01203	22.21	16240	A	4	7.50	F	Å
UNY5	01204	29.84	16240	A	4	7.88	F	Å
UNY6	01205	37.19	16240	A	4	13.13	F	Å
UNY7	01206	61.78	16240	B	1	7.20	F	Å
UNY8	01207	79.47	16240	B	5	9.00	F	Å
UNY9	01208	127.94	16240	C	1	15.00	F	Å
UNYL1	01052	13.96	16240	A	5	0.49	F	Å
UNYL2	01053	20.69	16240	B	5		F	Å
UNYL3	01054	30.95	16240	B	5	1.09	F	Å
UNYS1	01049	13.24	16240	A	5		F	Å
UNYS2	01050	18.36	16240	A	5		F	Å
UNYS3	01051	21.19	16240	B	5		F	Å
VAG-100	67002	16.00	5111	A	10	0.50	L	
VAG-200	67003	22.81	5111	A	5	1.20	L	
VAMG-100	67184	18.20	5111	B	1	11.50	L	
VAMG-200	67186	23.96	5111	B	1/5	2.30	L	
VAMGP-100	67185	22.45	5111	N	1		L	
VG-1	69001	10.16	5111	A	1/10	1.10	L	
VG-2	69002	10.16	5111	A	1/10	1.10	L	
VGA	73004	5.46	5111	A	10/50	0.29	L	
VGC-1	68000	16.00	5111	A	15	1.00	L	
VGC-2	68001	16.00	5111	A	15	1.00	L	
VGG-100	69010	21.12	5111	B	1/10	1.10	L	
VGG-200	69012	26.99	5111	B	1/5	2.30	L	
VGGP-100	69011	25.93	5111	N	1	1.50	L	
VGNG	80001	1.21	5111	A	5/25		L	
VGQ1023GH100	82860	2174.96	11272	C	1	80.0	PR	Å
VGQ1023GH50	82857	2005.45	11272	C	1	80.0	PR	Å
VGQ1023GH70	82858	2174.96	11272	C	1	80.0	PR	Å
VGQ1023GH100	82859	2174.96	11272	C	1	80.0	PR	Å
VGQ1023GH100	83549	1875.35	11272	C	1	80.0	PR	Å
VGQ1023GH50	83546	1773.96	11272	C	1	80.0	PR	Å
VGQ1023GH70	83547	1875.35	11272	C	1	80.0	PR	Å
VGQ1023GH00	83548	1875.35	11272	C	1	80.0	PR	Å
VGQ1023GH100	82856	2174.96	11272	C	1	80.0	PR	Å
VGQ1023GH50	82853	2005.45	11272	C	1	80.0	PR	Å
VGQ1023GH70	82854	2174.96	11272	C	1	80.0	PR	Å
VGQ1023GH00	82855	2174.96	11272	C	1	80.0	PR	Å
VGQ1023GH100	83545	1875.35	11272	C	1	80.0	PR	Å
VGQ1023GH50	83542	1773.96	11272	C	1	80.0	PR	Å
VGQ1023GH70	83543	1875.35	11272	C	1	80.0	PR	Å
VGQ1023GH00	83544	1875.35	11272	C	1	80.0	PR	Å
VGQ1024CH100	82876	2344.93	11272	C	1	80.0	PR	Å
VGQ1024CH50	82873	2192.93	11272	C	1	80.0	PR	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VGQ1024CH70	82874	2278.53	11272	C	1	80.0	PR	Å
VGQ1024CH00	82875	2344.93	11272	C	1	80.0	PR	Å
VGQ1024CH100	82868	2041.52	11272	C	1	80.0	PR	Å
VGQ1024CH50	82865	1898.39	11272	C	1	80.0	PR	Å
VGQ1024CH70	82866	1982.65	11272	C	1	80.0	PR	Å
VGQ1024CH00	82867	2041.52	11272	C	1	80.0	PR	Å
VGQ1024GH100	82872	2344.93	11272	C	1	80.0	PR	Å
VGQ1024GH50	82869	2102.63	11272	C	1	80.0	PR	Å
VGQ1024GH70	82870	2278.53	11272	C	1	80.0	PR	Å
VGQ1024GH00	82871	2344.93	11272	C	1	80.0	PR	Å
VGQ1024GH100	82864	2041.52	11272	C	1	80.0	PR	Å
VGQ1024GH50	82861	1898.39	11272	C	1	80.0	PR	Å
VGQ1024GH70	82862	1982.65	11272	C	1	80.0	PR	Å
VGQ1024GH00	82863	2041.52	11272	C	1	80.0	PR	Å
VGQ1024GH00	83355	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83356	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83357	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83358	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83347	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83348	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83349	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83350	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83351	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83352	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83353	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83354	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83343	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83344	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83345	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83346	1473.77	11272	C	1	77.0	PR	Å
VGQ2024GH00	83371	1844.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83372	1844.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83373	1844.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83374	2344.93	11272	C	1	80.0	PR	Å
VGQ2024GH00	83363	1790.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83364	1895.68	11272	C	1	77.0	PR	Å
VGQ2024GH00	83365	1895.68	11272	C	1	77.0	PR	Å
VGQ2024GH00	83366	1895.68	11272	C	1	77.0	PR	Å
VGQ2024GH00	83367	1844.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83368	1844.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83369	1844.58	11272	C	1	77.0	PR	Å
VGQ2024GH00	83370	2344.93	11272	C	1	77.0	PR	Å
VGQ2024GH00	83359	1895.68	11272	C	1	77.0	PR	Å
VGQ2024GH00	83360	1895.68	11272	C	1	77.0	PR	Å
VGQ2024GH00	83361	1895.68	11272	C	1	77.0	PR	Å
VGQ2024GH00	83362	1895.68	11272	C	1	77.0	PR	Å
VGQ2024GH00	83394	1915.88	11272	C	1	80.0	PR	Å
VGQ2024GH00	83390	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83391	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83392	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83393	1915.88	11272	C	1	80.0	PR	Å
VGQ2024GH00	83384	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83380	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83381	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83382	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83383	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83389	1915.88	11272	C	1	80.0	PR	Å
VGQ2024GH00	83385	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83386	1826.57	11272	C	1	80.0	PR	Å
VGQ2024GH00	83387	1915.88	11272	C	1	80.0	PR	Å
VGQ2024GH00	83388	1915.88	11272	C	1	80.0	PR	Å
VGQ2024GH00	83379	1826.26	11272	C	1	80.0	PR	Å
VGQ2024GH00	83375	1539.78	11272	C	1	80.0	PR	Å
VGQ2024GH00	83376	1539.78	11272	C	1	80.0	PR	Å
VGQ2024GH00	83377	1826.26	11272	C	1	80.0	PR	Å

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
[illegible]	83378	1624.28	11272	C	1	80.0	PR	Å
[illegible]	83541	2042.76	11272	C	1	80.0	PR	Å
[illegible]	83537	1939.96	11272	C	1	80.0	PR	Å
[illegible]	83538	1939.96	11272	C	1	80.0	PR	Å
[illegible]	83539	2042.76	11272	C	1	80.0	PR	Å
[illegible]	83540	2042.76	11272	C	1	80.0	PR	Å
[illegible]	83531	1936.85	11272	C	1	80.0	PR	Å
[illegible]	83399	1646.12	11272	C	1	80.0	PR	Å
[illegible]	83528	1646.12	11272	C	1	80.0	PR	Å
[illegible]	83529	1936.85	11272	C	1	80.0	PR	Å
[illegible]	83530	1936.85	11272	C	1	80.0	PR	Å
[illegible]	83536	2042.76	11272	C	1	80.0	PR	Å
[illegible]	83532	1939.96	11272	C	1	80.0	PR	Å
[illegible]	83533	1939.96	11272	C	1	80.0	PR	Å
[illegible]	83534	2042.76	11272	C	1	80.0	PR	Å
[illegible]	83535	2042.76	11272	C	1	80.0	PR	Å
[illegible]	83398	1936.85	11272	C	1	80.0	PR	Å
[illegible]	83395	1646.12	11272	C	1	80.0	PR	Å
[illegible]	83527	1646.12	11272	C	1	80.0	PR	Å
[illegible]	83396	1936.85	11272	C	1	80.0	PR	Å
[illegible]	83397	1936.85	11272	C	1	80.0	PR	Å
VCC-100	71001	7.78	5111	A	1/10	1.10	L	
VCC-200	71002	9.23	5111	A	1/5	2.30	L	
VCC-500	71005	36.35	5111	C	1	2.50	L	
VCGP-100	71020	14.02	5111	B	1/10	1.10	L	
VCGP-200	71022	28.21	5111	B	1/10	1.20	L	
VCGP-500	71024	53.38	5111	C	1	2.50	L	
VCGPT-100	71021	29.42	5111	N	1/10	1.10	L	
VD-4	71200	52.67	5111	A	1	1.10	L	
VD-4100	71208	77.41	5111	N	‡	2.90	L	
VD-41000	71210	94.00	5111	N	‡	3.40	L	
VD-4200	71218	92.49	5111	N	‡	4.70	L	
VD-42000	71220	185.23	5111	N	‡	5.90	L	
VFBG-110	72008	34.89	5111	N	‡	2.90	L	
VFBG-125	72010	39.66	5111	N	‡	4.70	L	
VFBG-210	72012	34.89	5111	N	‡	2.90	L	
VFBG-220	72014	39.99	5111	N	‡	4.70	L	
VFBGG-110	72016	51.59	5111	N	‡	3.40	L	
VFBGG-120	72018	62.79	5111	N	‡	5.90	L	
VFBGG-210	72020	51.59	5111	N	‡	3.40	L	
VFBGG-220	72022	62.79	5111	N	‡	5.90	L	
VFC-100	73001	17.06	5111	A	1/10	0.70	L	
VFC-200	73002	20.54	5111	A	1/10	1.25	L	
VFCA-100	73012	31.51	5111	N	‡		L	
VFCA-200	73014	36.99	5111	N	‡		L	
VFCAG-100	73018	48.11	5111	N	‡		L	
VFCAG-200	73020	60.31	5111	N	‡		L	
VFL	73003	10.33	5111	B	5/25	0.72	L	
VFPS	73500	6.86	5111	A	10/50	0.29	L	
VG-2	75000	6.21	5111	B	10/50	0.26	L	
VGA-1	75001	5.87	5111	A	5/25	0.36	L	
VGA-2	75002	5.87	5111	A	5/25	0.48	L	
VGC-1	75003	6.33	5111	A	5/25	0.44	L	
VGC-2	75004	6.33	5111	A	5/25	0.40	L	
VGG-100	75005	10.30	5111	A	1/10	1.00	L	
VGG-200	75006	20.99	5111	A	1/5	2.30	L	
VGGP-100	75009	28.19	5111	N	1	1.50	L	
VGGP-200	75010	29.71	5111	N	1/10	1.20	L	
VGH-1	75007	5.87	5111	A	5/25	0.36	L	
VGH-2	75008	5.87	5111	A	5/25	0.36	L	
VGX-1	75013	8.94	5111	A	5	0.56	L	
VGX-2	75014	8.94	5111	A	5	0.48	L	
VJ57	83463	80.76	11263	A	1	7.00	PR	Å
VJ47	83464	81.55	11263	A	1	7.00	PR	Å
VJ57	83465	83.00	11263	A	1	7.00	PR	Å

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VJ50	83286	145.85	11262	C	1	9.5	PR	Å
VJ67	83466	83.87	11263	A	1	7.00	PR	Å
VJ68	83287	149.28	11262	A	1	9.0	PR	Å
VJ78	83288	153.13	11262	A	1	9.0	PR	Å
VJA100	83467	32.65	11263	A	1	3.00	PR	Å
VJA200	83289	47.48	11262	A	1	4.0	PR	Å
VJBC	77001	5.50	15387	B	10/50	0.39	F	
VJC37	83468	83.08	11263	C	1	7.00	PR	Å
VJC47	83469	84.66	11263	C	1	7.00	PR	Å
VJC57	83470	86.19	11263	B	1	7.00	PR	Å
VJC67	83471	87.78	11263	C	1	7.00	PR	Å
VJC78	83290	159.52	11262	C	1	9.7	PR	Å
VJH-1	77002	10.23	15387	C	5/25	0.36	F	
VJH-2	77003	11.83	15387	C	5/25	0.36	F	
VLJDX-2	78002	25.67	15387	C	8	1.58	F	
VLJDX-3	78003	29.58	15387	C	8	1.58	F	
VLJSX-1	78005	20.24	15387	A	20	0.83	F	
VLJSX-2	78006	20.24	15387	A	20	0.75	F	
VLJX-1	78007	24.99	15387	A	15	1.17	F	
VLJX-2	78008	24.99	15387	A	15	1.05	F	
VLJX-3	78009	27.81	15387	C	15	1.20	F	
VMA-2	78100	28.47	5331	N	2	3.25	L	
VMA-24	78098	28.47	5331	N	2	3.25	L	
VMA-3	78101	28.21	5331	N	2	3.25	L	
VMAS-17	78105	22.44	5331	N	2	1.00	L	
VMAS-00	78106	28.21	5331	N	1	5.00	L	
VMB-2	78107	60.00	5331	N	2	6.25	L	
VMB-3	78108	60.00	5331	N	2	6.00	L	
VMC-2	78112	66.00	5331	N	2	4.50	L	
VMCHVH	77006	47.40	5331	N	1		L	
VMD-4	78109	66.00	5331	N	2	4.50	L	
VMD-5	77005	66.62	5331	N	2	4.80	L	
VMDS-5	77004	66.62	5331	N	‡	6.30	L	
VMEA-2-[illegible]	81541	511.94	5331	N	‡		L	
VMEA-2-[illegible]	81543	563.34	5331	N	‡		L	
VMEA-2-[illegible]	81542	537.76	5331	N	‡		L	
VMEA-2-[illegible]	79215	511.94	5331	N	‡		L	
VMEA-2-[illegible]	81548	563.34	5331	N	‡		L	
VMEA-2-[illegible]	79220	537.76	5331	N	‡		L	
VMEA-2-[illegible]	81551	512.36	5331	N	‡		L	
VMEA-3-[illegible]	81553	594.19	5331	N	‡		L	
VMEA-3-[illegible]	81552	568.59	5331	N	‡		L	
VMEA-3-[illegible]	79235	512.36	5331	N	‡		L	
VMEA-3-[illegible]	81558	594.19	5331	N	‡		L	
VMEA-3-[illegible]	79240	568.59	5331	N	‡		L	
VMEB-2-[illegible]	81561	544.89	5331	N	‡		L	
VMEB-2-[illegible]	81563	625.86	5331	N	‡		L	
VMEB-2-[illegible]	81562	578.27	5331	N	‡		L	
VMEB-2-[illegible]	79255	544.89	5331	N	‡		L	
VMEB-2-[illegible]	81568	625.86	5331	N	‡		L	
VMEB-2-[illegible]	79260	578.27	5331	N	‡		L	
VMEB-3-[illegible]	81571	544.89	5331	N	‡		L	
VMEB-3-[illegible]	81573	625.86	5331	N	‡		L	
VMEB-3-[illegible]	81572	578.27	5331	N	‡		L	
VMEB-3-[illegible]	79275	544.89	5331	N	‡		L	
VMEB-3-[illegible]	81578	625.86	5331	N	‡		L	
VMEB-3-[illegible]	79280	578.27	5331	N	‡		L	
VMEC-2-[illegible]	83614	548.19	5331	N	‡		L	
VMEC-2-[illegible]	83618	630.55	5331	N	‡		L	
VMEC-2-[illegible]	83616	575.39	5331	N	‡		L	
VMEC-2-[illegible]	83615	548.19	5331	N	‡		L	
VMEC-2-[illegible]	83619	630.55	5331	N	‡		L	
VMEC-2-[illegible]	83617	575.39	5331	N	‡		L	
VMED-4-[illegible]	81581	543.46	5331	N	‡		L	
VMED-4-[illegible]	81583	625.25	5331	N	‡		L	

Refer to page 2 for explanation of symbols.

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CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VMED-4-80GG	81582	569.66	5331	N	‡		L	
VMED-4-85G	79295	543.45	5331	N	‡		L	
VMED-4-85GS	81588	625.25	5331	N	‡		L	
VMED-4-85GG	79300	569.66	5331	N	‡		L	
VMED-0-800	78081	447.02	5331	N	1	28.00	L	
VMED-0-850	79310	447.02	5331	N	1	28.00	L	
VMER40	78113	144.00	5331	N	1		F	
VMEX-2-80G	81593	515.97	5331	N	‡		L	
VMEX-2-80GS	81595	587.77	5331	N	‡		L	
VMEX-2-80GG	81594	542.18	5331	N	‡		L	
VMEX-2-85G	79325	515.97	5331	N	‡		L	
VMEX-2-85GS	81600	587.77	5331	N	‡		L	
VMEX-2-85GG	79330	542.18	5331	N	‡		L	
VMEX-3-80G	81603	516.14	5331	N	‡		L	
VMEX-3-80GS	81605	587.94	5331	N	‡		L	
VMEX-3-80GG	81604	542.35	5331	N	‡		L	
VMEX-3-85G	79345	516.14	5331	N	‡		L	
VMEX-3-85GS	81610	587.94	5331	N	‡		L	
VMEX-3-85GG	79350	542.35	5331	N	‡		L	
VMFA-2-80G	81613	611.65	5331	N	‡		L	
VMFA-2-80GS	81615	693.45	5331	N	‡		L	
VMFA-2-80GG	81614	637.86	5331	N	‡		L	
VMFA-2-85G	79365	611.65	5331	N	‡		L	
VMFA-2-85GS	81620	693.45	5331	N	‡		L	
VMFA-2-85GG	79370	637.86	5331	N	‡		L	
VMFA-3-80G	81623	612.48	5331	N	‡		L	
VMFA-3-80GS	81625	694.28	5331	N	‡		L	
VMFA-3-80GG	81624	638.69	5331	N	‡		L	
VMFA-3-85G	79385	612.48	5331	N	‡		L	
VMFA-3-85GS	81630	694.28	5331	N	‡		L	
VMFA-3-85GG	79390	638.69	5331	N	‡		L	
VMFB-2-80G	81633	644.17	5331	N	‡		L	
VMFB-2-80GS	81635	725.97	5331	N	‡		L	
VMFB-2-80GG	81634	670.37	5331	N	‡		L	
VMFB-2-85G	79405	644.17	5331	N	‡		L	
VMFB-2-85GS	81640	725.97	5331	N	‡		L	
VMFB-2-85GG	79410	670.37	5331	N	‡		L	
VMFB-3-80G	81643	644.17	5331	N	‡		L	
VMFB-3-80GS	81645	725.97	5331	N	‡		L	
VMFB-3-80GG	81644	670.37	5331	N	‡		L	
VMFB-3-85G	79425	644.17	5331	N	‡		L	
VMFB-3-85GS	81650	725.97	5331	N	‡		L	
VMFB-3-85GG	79430	670.37	5331	N	‡		L	
VMFC-2-80G	83652	649.26	5331	N	‡		L	
VMFC-2-80GS	83656	731.06	5331	N	‡		L	
VMFC-2-80GG	83654	675.47	5331	N	‡		L	
VMFC-2-85G	83653	649.26	5331	N	‡		L	
VMFC-2-85GS	83657	731.06	5331	N	‡		L	
VMFC-2-85GG	83655	675.47	5331	N	‡		L	
VMFD-4-80G	81653	643.55	5331	N	‡		L	
VMFD-4-80GS	81655	725.35	5331	N	‡		L	
VMFD-4-80GG	81654	669.76	5331	N	‡		L	
VMFD-4-85G	79445	643.55	5331	N	‡		L	
VMFD-4-85GS	81660	725.35	5331	N	‡		L	
VMFD-4-85GG	79450	669.76	5331	N	‡		L	
VMFD-0-800	78083	547.12	5331	N	1	28.00	L	
VMFD-0-850	79460	547.12	5331	N	1	28.00	L	
VMFPO-0-800		581.62	5331	N	1		L	
VMFX-2-80G	81665	616.06	5331	N	‡		L	
VMFX-2-80GS	81667	697.86	5331	N	‡		L	
VMFX-2-80GG	81666	642.29	5331	N	‡		L	
VMFX-2-85G	79475	616.06	5331	N	‡		L	
VMFX-2-85GS	81672	697.86	5331	N	‡		L	
VMFX-2-85GG	79480	642.29	5331	N	‡		L	
VMFX-3-80G	81675	616.25	5331	N	‡		L	
VMFX-3-80GS	81677	698.05	5331	N	‡		L	
VMFX-3-80GG	81676	642.46	5331	N	‡		L	
VMFX-3-85G	79495	616.25	5331	N	‡		L	
VMFX-3-85GS	81682	698.05	5331	N	‡		L	
VMFX-3-85GG	79500	642.46	5331	N	‡		L	
VMG-17	78110	23.45	5331	N	2	4.00	L	
VMG-40	78111	35.65	5331	N	1	9.50	L	
VMGT-17	79501	32.57	5331	N	2	4.00	L	
VMKA-2-80G	81683	280.55	5331	N	‡		L	
VMKA-2-80GS	83676	345.68	5331	N	‡		L	
VMKA-2-80GG	81684	302.98	5331	N	‡		L	
VMKA-2-80P5	81686	362.24	5331	N	‡		L	
VMKA-2-85G	79506	280.55	5331	N	‡		L	
VMKA-2-85GS	83677	345.68	5331	N	‡		L	
VMKA-2-85GG	78156	302.98	5331	N	‡		L	
VMKA-2-85P5	78747	362.24	5331	N	‡		L	
VMKA-2-400	81687	310.70	5331	N	‡		L	
VMKA-2-400S	83678	375.93	5331	N	‡		L	
VMKA-2-400G	81688	333.23	5331	N	‡		L	
VMKA-2-40P5	81690	392.49	5331	N	‡		L	
VMKA-2-65G	79511	310.70	5331	N	‡		L	
VMKA-2-65GS	83679	375.93	5331	N	‡		L	
VMKA-2-65GG	78161	333.23	5331	N	‡		L	
VMKA-2-65P5	78757	392.49	5331	N	‡		L	
VMKA-2-700	81691	359.51	5331	N	‡		L	
VMKA-2-700S	83680	423.45	5331	N	‡		L	
VMKA-2-700G	81692	380.76	5331	N	‡		L	
VMKA-2-750	79516	359.51	5331	N	‡		L	
VMKA-2-750S	83681	423.45	5331	N	‡		L	
VMKA-2-750G	78166	380.76	5331	N	‡		L	
VMKA-3-80G	81694	281.36	5331	N	‡		L	
VMKA-3-80GS	83682	346.51	5331	N	‡		L	
VMKA-3-80GG	81695	303.82	5331	N	‡		L	
VMKA-3-80P5	81697	363.08	5331	N	‡		L	
VMKA-3-85G	79521	281.36	5331	N	‡		L	
VMKA-3-85GS	83683	346.51	5331	N	‡		L	
VMKA-3-85GG	78171	303.82	5331	N	‡		L	
VMKA-3-85P5	78772	363.08	5331	N	‡		L	
VMKA-3-400	81698	311.89	5331	N	‡		L	
VMKA-3-400S	83684	376.76	5331	N	‡		L	
VMKA-3-400G	81699	334.07	5331	N	‡		L	
VMKA-3-40P5	81701	393.33	5331	N	‡		L	
VMKA-3-650	79526	311.89	5331	N	‡		L	
VMKA-3-650S	83685	376.76	5331	N	‡		L	
VMKA-3-650G	78176	334.07	5331	N	‡		L	
VMKA-3-65P5	78782	393.33	5331	N	‡		L	
VMKA-3-700	81702	359.14	5331	N	‡		L	
VMKA-3-700S	83686	424.28	5331	N	‡		L	
VMKA-3-700G	81703	381.58	5331	N	‡		L	
VMKA-3-750	79531	359.14	5331	N	‡		L	
VMKA-3-750S	83687	424.28	5331	N	‡		L	
VMKA-3-750G	78181	381.58	5331	N	‡		L	
VMKD-2-800	81705	313.06	5331	N	‡		L	
VMKD-2-800S	83688	378.26	5331	N	‡		L	
VMKD-2-800G	81706	335.56	5331	N	‡		L	
VMKD-2-80P5	81708	394.76	5331	N	‡		L	
VMKD-2-850	79536	313.06	5331	N	‡		L	
VMKD-2-850S	83689	378.26	5331	N	‡		L	
VMKD-2-850G	78186	335.56	5331	N	‡		L	
VMKD-2-85P5	78797	394.76	5331	N	‡		L	
VMKD-2-80G	81709	343.31	5331	N	‡		L	
VMKD-2-80GS	83690	408.44	5331	N	‡		L	
VMKD-2-80GG	81710	365.75	5331	N	‡		L	
VMKD-2-80P5	81712	425.01	5331	N	‡		L	
VMKD-2-85G	79541	343.31	5331	N	‡		L	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VMKD-2-65DS8	83691	486.44	5331	N	‡		L	
VMKD-2-65GB	78191	365.75	5331	N	‡		L	
VMKD-2-65PS	78807	425.91	5331	N	‡		L	
VMKD-2-70G	81713	390.82	5331	N	‡		L	
VMKD-2-70GS8	83692	455.96	5331	N	‡		L	
VMKD-2-70GB	81714	413.25	5331	N	‡		L	
VMKD-2-75G	79546	390.82	5331	N	‡		L	
VMKD-2-75GS8	83693	455.96	5331	N	‡		L	
VMKD-2-75GB	78196	413.25	5331	N	‡		L	
VMKD-3-50G	81716	313.06	5331	N	‡		L	
VMKD-3-50GS8	83694	378.29	5331	N	‡		L	
VMKD-3-50GB	81717	335.58	5331	N	‡		L	
VMKD-3-50PS	81719	394.75	5331	N	‡		L	
VMKD-3-65G	79551	313.06	5331	N	‡		L	
VMKD-3-65GS8	83695	378.29	5331	N	‡		L	
VMKD-3-65GB	78201	335.58	5331	N	‡		L	
VMKD-3-65PS	78822	394.75	5331	N	‡		L	
VMKD-3-70G	81720	343.51	5331	N	‡		L	
VMKD-3-70GS8	83696	408.44	5331	N	‡		L	
VMKD-3-70GB	81721	365.75	5331	N	‡		L	
VMKD-3-70PS	81723	425.91	5331	N	‡		L	
VMKD-3-75G	79556	343.51	5331	N	‡		L	
VMKD-3-75GS8	83697	408.44	5331	N	‡		L	
VMKD-3-75GB	78206	365.75	5331	N	‡		L	
VMKD-3-75PS	78832	425.91	5331	N	‡		L	
VMKD-3-70S	81724	390.82	5331	N	‡		L	
VMKD-3-70GS8	83698	455.96	5331	N	‡		L	
VMKD-3-70GB	81725	413.25	5331	N	‡		L	
VMKD-3-75G	79561	390.82	5331	N	‡		L	
VMKD-3-75GS8	83699	455.96	5331	N	‡		L	
VMKD-3-75GB	78211	413.25	5331	N	‡		L	
VMKC-2-50G	83700	318.16	5331	N	‡		L	
VMKC-2-50GS8	83704	383.29	5331	N	‡		L	
VMKC-2-50GB	83702	340.60	5331	N	‡		L	
VMKC-2-65G	83701	318.16	5331	N	‡		L	
VMKC-2-65GS8	83705	383.29	5331	N	‡		L	
VMKC-2-65GB	83703	340.60	5331	N	‡		L	
VMKC-2-70G	83706	345.40	5331	N	‡		L	
VMKC-2-70GS8	83710	413.54	5331	N	‡		L	
VMKC-2-70GB	83708	370.84	5331	N	‡		L	
VMKC-2-75G	83707	345.40	5331	N	‡		L	
VMKC-2-75GS8	83711	413.54	5331	N	‡		L	
VMKC-2-75GB	83709	370.84	5331	N	‡		L	
VMKC-3-70G	83712	390.82	5331	N	‡		L	
VMKC-3-70GS8	83716	461.96	5331	N	‡		L	
VMKC-3-70GB	83714	418.26	5331	N	‡		L	
VMKC-3-75G	83713	390.82	5331	N	‡		L	
VMKC-3-75GS8	83717	461.96	5331	N	‡		L	
VMKC-3-75GB	83715	418.26	5331	N	‡		L	
VMKD-4-50G	81727	312.45	5331	N	‡		L	
VMKD-4-50GS8	83736	377.58	5331	N	‡		L	
VMKD-4-50GB	81728	334.88	5331	N	‡		L	
VMKD-4-50PS	81730	394.15	5331	N	‡		L	
VMKD-4-65G	79566	312.45	5331	N	‡		L	
VMKD-4-65GS8	83737	377.58	5331	N	‡		L	
VMKD-4-65GB	78216	334.88	5331	N	‡		L	
VMKD-4-65PS	78847	394.15	5331	N	‡		L	
VMKD-4-70G	81731	342.78	5331	N	‡		L	
VMKD-4-70GS8	83738	407.80	5331	N	‡		L	
VMKD-4-70GB	81732	365.14	5331	N	‡		L	
VMKD-4-70PS	81734	424.36	5331	N	‡		L	
VMKD-4-75G	79571	342.78	5331	N	‡		L	
VMKD-4-75GS8	83739	407.80	5331	N	‡		L	
VMKD-4-75GB	78221	365.14	5331	N	‡		L	
VMKD-4-75PS	78857	424.36	5331	N	‡		L	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VMKD-4-70G	81735	390.21	5331	N	‡		L	
VMKD-4-70GS8	83740	455.35	5331	N	‡		L	
VMKD-4-70GB	81736	412.65	5331	N	‡		L	
VMKD-4-75G	79576	390.21	5331	N	‡		L	
VMKD-4-75GS8	83741	455.35	5331	N	‡		L	
VMKD-4-75GB	78226	412.65	5331	N	‡		L	
VMKD-6-50G	78084	228.64	5331	N	1	13.00	L	
VMKD-6-65G	78231	228.64	5331	N	1	13.00	L	
VMKD-6-70G	78085	258.89	5331	N	1	14.50	L	
VMKD-6-75G	78236	258.89	5331	N	1	14.50	L	
VMKD-6-70S	78086	306.40	5331	N	1	16.00	L	
VMKD-6-75S	78241	306.40	5331	N	1	16.00	L	
VMKC-2-50G	81741	284.96	5331	N	‡		L	
VMKC-2-50GS8	83742	350.11	5331	N	‡		L	
VMKC-2-50GB	81742	307.42	5331	N	‡		L	
VMKC-2-50PS	81744	366.60	5331	N	‡		L	
VMKC-2-65G	79581	284.96	5331	N	‡		L	
VMKC-2-65GS8	83743	350.11	5331	N	‡		L	
VMKC-2-65GB	78246	307.42	5331	N	‡		L	
VMKC-2-65PS	78872	366.60	5331	N	‡		L	
VMKC-2-70G	81745	315.22	5331	N	‡		L	
VMKC-2-70GS8	83744	380.35	5331	N	‡		L	
VMKC-2-70GB	81746	337.66	5331	N	‡		L	
VMKC-2-70PS	81748	396.82	5331	N	‡		L	
VMKC-3-65G	79586	315.22	5331	N	‡		L	
VMKC-3-65GS8	83745	380.35	5331	N	‡		L	
VMKC-3-65GB	78251	337.66	5331	N	‡		L	
VMKC-3-65PS	78882	396.82	5331	N	‡		L	
VMKC-3-70G	81749	362.74	5331	N	‡		L	
VMKC-3-70GS8	83746	427.88	5331	N	‡		L	
VMKC-3-70GB	81750	389.18	5331	N	‡		L	
VMKC-3-75G	79591	362.74	5331	N	‡		L	
VMKC-3-75GS8	83747	427.88	5331	N	‡		L	
VMKC-3-75GB	78500	389.18	5331	N	‡		L	
VMKC-3-70S	81752	286.16	5331	N	‡		L	
VMKC-3-70GS8	83748	359.29	5331	N	‡		L	
VMKC-3-70GB	81753	307.60	5331	N	‡		L	
VMKC-3-70PS	81755	366.84	5331	N	‡		L	
VMKC-3-75G	79596	286.16	5331	N	‡		L	
VMKC-3-75GS8	83749	359.29	5331	N	‡		L	
VMKC-3-75GB	78260	307.60	5331	N	‡		L	
VMKC-3-75PS	78897	366.84	5331	N	‡		L	
VMKC-3-75S	81756	318.80	5331	N	‡		L	
VMKC-3-75GS8	83750	388.53	5331	N	‡		L	
VMKC-3-75GB	81757	337.80	5331	N	‡		L	
VMKC-3-75PS	81759	397.00	5331	N	‡		L	
VMKC-3-75G	79601	315.38	5331	N	‡		L	
VMKC-3-75GS8	83751	388.53	5331	N	‡		L	
VMKC-3-75GB	78265	337.83	5331	N	‡		L	
VMKC-3-75PS	78907	397.00	5331	N	‡		L	
VMKC-3-75S	81760	362.61	5331	N	‡		L	
VMKC-3-75GS8	83752	429.85	5331	N	‡		L	
VMKC-3-75GB	81761	385.35	5331	N	‡		L	
VMKC-3-75S	79606	362.61	5331	N	‡		L	
VMKC-3-75GS8	83753	429.85	5331	N	‡		L	
VMKC-3-75GB	78270	385.35	5331	N	‡		L	
VMLA-2-50G	81764	367.98	5331	N	‡		L	
VMLA-2-50GS8	83755	462.22	5331	N	‡		L	
VMLA-2-50GB	81766	419.52	5331	N	‡		L	
VMLA-2-50PS	81770	478.78	5331	N	‡		L	
VMLA-2-65G	79611	367.98	5331	N	‡		L	
VMLA-2-65GS8	83756	462.22	5331	N	‡		L	
VMLA-2-65GB	78917	419.52	5331	N	‡		L	
VMLA-2-65PS	78927	478.78	5331	N	‡		L	
VMLA-2-70G	81771	417.58	5331	N	‡		L	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VHLA-2-40GSS	83757	482.72	5331	N	‡		L	
VHLA-2-40GG	81772	446.92	5331	N	‡		L	
VHLA-2-40P5	81774	496.28	5331	N	‡		L	
VHLA-2-45G	79616	417.58	5331	N	‡		L	
VHLA-2-45GSS	83758	482.72	5331	N	‡		L	
VHLA-2-50GG	78275	446.92	5331	N	‡		L	
VHLA-2-50P5	78937	499.28	5331	N	‡		L	
VHLA-2-50G	81775	435.41	5331	N	‡		L	
VHLA-2-50GSS	83759	500.54	5331	N	‡		L	
VHLA-2-50GG	81776	457.85	5331	N	‡		L	
VHLA-2-60P5	81778	517.11	5331	N	‡		L	
VHLA-2-65G	79621	435.41	5331	N	‡		L	
VHLA-2-65GSS	83760	500.54	5331	N	‡		L	
VHLA-2-65GG	78280	457.85	5331	N	‡		L	
VHLA-2-65P5	78947	517.11	5331	N	‡		L	
VHLA-3-40G	81780	397.91	5331	N	‡		L	
VHLA-3-40GSS	83762	463.05	5331	N	‡		L	
VHLA-3-40GG	81782	420.35	5331	N	‡		L	
VHLA-3-40P5	81786	479.91	5331	N	‡		L	
VHLA-3-45G	79626	397.91	5331	N	‡		L	
VHLA-3-45GSS	83763	463.05	5331	N	‡		L	
VHLA-3-45GG	78952	420.35	5331	N	‡		L	
VHLA-3-45P5	78962	479.91	5331	N	‡		L	
VHLA-3-50G	81787	418.41	5331	N	‡		L	
VHLA-3-50GSS	83764	483.55	5331	N	‡		L	
VHLA-3-50GG	81788	446.85	5331	N	‡		L	
VHLA-3-50P5	81790	500.11	5331	N	‡		L	
VHLA-3-55G	79631	418.41	5331	N	‡		L	
VHLA-3-55GSS	83765	483.55	5331	N	‡		L	
VHLA-3-55GG	78285	446.85	5331	N	‡		L	
VHLA-3-55P5	78972	500.11	5331	N	‡		L	
VHLA-3-60G	81791	436.24	5331	N	‡		L	
VHLA-3-60GSS	83766	501.38	5331	N	‡		L	
VHLA-3-60GG	81792	458.68	5331	N	‡		L	
VHLA-3-60P5	81794	517.94	5331	N	‡		L	
VHLA-3-65G	79636	436.24	5331	N	‡		L	
VHLA-3-65GSS	83767	501.38	5331	N	‡		L	
VHLA-3-65GG	78290	458.68	5331	N	‡		L	
VHLA-3-65P5	78982	517.94	5331	N	‡		L	
VHLB-2-40G	81796	429.00	5331	N	‡		L	
VHLB-2-40GSS	83769	494.73	5331	N	‡		L	
VHLB-2-40GG	81798	452.04	5331	N	‡		L	
VHLB-2-40P5	81802	511.38	5331	N	‡		L	
VHLB-2-45G	79641	429.00	5331	N	‡		L	
VHLB-2-45GSS	83770	494.73	5331	N	‡		L	
VHLB-2-45GG	78987	452.04	5331	N	‡		L	
VHLB-2-45P5	78997	511.38	5331	N	‡		L	
VHLB-2-50G	81803	450.09	5331	N	‡		L	
VHLB-2-50GSS	83771	515.23	5331	N	‡		L	
VHLB-2-50GG	81804	472.53	5331	N	‡		L	
VHLB-2-50P5	81806	531.79	5331	N	‡		L	
VHLB-2-55G	79646	450.09	5331	N	‡		L	
VHLB-2-55GSS	83772	515.23	5331	N	‡		L	
VHLB-2-55GG	78295	472.53	5331	N	‡		L	
VHLB-2-55P5	83057	531.79	5331	N	‡		L	
VHLB-2-60G	81807	467.92	5331	N	‡		L	
VHLB-2-60GSS	83773	533.06	5331	N	‡		L	
VHLB-2-60GG	81808	490.36	5331	N	‡		L	
VHLB-2-60P5	81810	549.62	5331	N	‡		L	
VHLB-2-65G	79651	467.92	5331	N	‡		L	
VHLB-2-65GSS	83774	533.06	5331	N	‡		L	
VHLB-2-65GG	78300	490.36	5331	N	‡		L	
VHLB-2-65P5	83067	549.62	5331	N	‡		L	
VHLB-3-40G	81812	429.00	5331	N	‡		L	
VHLB-3-40GSS	83776	494.73	5331	N	‡		L	
VHLB-3-40GG	81814	452.04	5331	N	‡		L	
VHLB-3-40P5	81818	511.38	5331	N	‡		L	
VHLB-3-45G	79656	429.00	5331	N	‡		L	
VHLB-3-45GSS	83777	494.73	5331	N	‡		L	
VHLB-3-45GG	83073	452.04	5331	N	‡		L	
VHLB-3-45P5	83083	511.38	5331	N	‡		L	
VHLB-3-50G	81819	450.09	5331	N	‡		L	
VHLB-3-50GSS	83778	515.23	5331	N	‡		L	
VHLB-3-50GG	81820	472.53	5331	N	‡		L	
VHLB-3-50P5	81822	531.79	5331	N	‡		L	
VHLB-3-55G	79661	450.09	5331	N	‡		L	
VHLB-3-55GSS	83779	515.23	5331	N	‡		L	
VHLB-3-55GG	78305	472.53	5331	N	‡		L	
VHLB-3-55P5	83093	531.79	5331	N	‡		L	
VHLB-3-60G	81823	467.92	5331	N	‡		L	
VHLB-3-60GSS	83780	533.06	5331	N	‡		L	
VHLB-3-60GG	81824	490.36	5331	N	‡		L	
VHLB-3-60P5	81826	549.62	5331	N	‡		L	
VHLB-3-65G	79666	467.92	5331	N	‡		L	
VHLB-3-65GSS	83781	533.06	5331	N	‡		L	
VHLB-3-65GG	78310	490.36	5331	N	‡		L	
VHLB-3-65P5	83104	549.62	5331	N	‡		L	
VHLC-2-40G	83783	494.06	5331	N	‡		L	
VHLC-2-40GSS	83797	499.83	5331	N	‡		L	
VHLC-2-40GG	83790	457.13	5331	N	‡		L	
VHLC-2-45G	83784	494.06	5331	N	‡		L	
VHLC-2-45GSS	83798	499.83	5331	N	‡		L	
VHLC-2-45GG	83791	457.13	5331	N	‡		L	
VHLC-2-50G	83785	455.19	5331	N	‡		L	
VHLC-2-50GSS	83799	520.33	5331	N	‡		L	
VHLC-2-50GG	83792	477.63	5331	N	‡		L	
VHLC-2-55G	83786	455.19	5331	N	‡		L	
VHLC-2-55GSS	83800	520.33	5331	N	‡		L	
VHLC-2-55GG	83793	477.63	5331	N	‡		L	
VHLC-2-60G	83787	473.02	5331	N	‡		L	
VHLC-2-60GSS	83801	538.16	5331	N	‡		L	
VHLC-2-60GG	83794	495.46	5331	N	‡		L	
VHLC-2-65G	83788	473.02	5331	N	‡		L	
VHLC-2-65GSS	83802	538.16	5331	N	‡		L	
VHLC-2-65GG	83795	495.46	5331	N	‡		L	
VHLD-4-40G	81828	429.00	5331	N	‡		L	
VHLD-4-40GSS	83825	494.12	5331	N	‡		L	
VHLD-4-40GG	81830	451.42	5331	N	‡		L	
VHLD-4-40P5	81834	518.68	5331	N	‡		L	
VHLD-4-45G	79671	429.00	5331	N	‡		L	
VHLD-4-45GSS	83826	494.12	5331	N	‡		L	
VHLD-4-45GG	83109	451.42	5331	N	‡		L	
VHLD-4-45P5	83119	518.68	5331	N	‡		L	
VHLD-4-50G	81835	448.48	5331	N	‡		L	
VHLD-4-50GSS	83827	514.62	5331	N	‡		L	
VHLD-4-50GG	81836	471.92	5331	N	‡		L	
VHLD-4-50P5	81838	531.18	5331	N	‡		L	
VHLD-4-55G	79676	448.48	5331	N	‡		L	
VHLD-4-55GSS	83828	514.62	5331	N	‡		L	
VHLD-4-55GG	78315	471.92	5331	N	‡		L	
VHLD-4-55P5	83129	531.18	5331	N	‡		L	
VHLD-4-60G	81839	467.31	5331	N	‡		L	
VHLD-4-60GSS	83829	532.45	5331	N	‡		L	
VHLD-4-60GG	81840	489.75	5331	N	‡		L	
VHLD-4-60P5	81842	549.01	5331	N	‡		L	
VHLD-4-65G	79681	467.31	5331	N	‡		L	
VHLD-4-65GSS	83830	532.45	5331	N	‡		L	
VHLD-4-65GG	78320	489.75	5331	N	‡		L	
VHLD-4-65P5	83139	549.01	5331	N	‡		L	
VHLD-5-400	78087	345.17	5331	N	1	14.00	L	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Cs.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VHLO-0-450	83144	345.17	5331	N	1	14.00	L	
VHLO-0-500	78088	369.67	5331	N	1	15.50	L	
VHLO-0-550	78325	395.17	5331	N	1	15.50	L	
VHLO-0-600	78089	393.58	5331	N	1	16.00	L	
VHLO-0-650	78330	393.58	5331	N	1	16.00	L	
VHLX-2-400	81848	401.51	5331	N	‡		L	
VHLX-2-400SB	83832	466.85	5331	N	‡		L	
VHLX-2-400G	81850	423.85	5331	N	‡		L	
VHLX-2-400PS	81854	483.21	5331	N	‡		L	
VHLX-2-450	79686	401.51	5331	N	‡		L	
VHLX-2-450SB	83833	466.85	5331	N	‡		L	
VHLX-2-450G	83149	423.85	5331	N	‡		L	
VHLX-2-450PS	83159	483.21	5331	N	‡		L	
VHLX-2-500	81855	422.81	5331	N	‡		L	
VHLX-2-500SB	83834	487.15	5331	N	‡		L	
VHLX-2-500G	81856	444.45	5331	N	‡		L	
VHLX-2-500PS	81858	503.71	5331	N	‡		L	
VHLX-2-550	79691	422.81	5331	N	‡		L	
VHLX-2-550SB	83835	487.15	5331	N	‡		L	
VHLX-2-550G	78335	444.45	5331	N	‡		L	
VHLX-2-550PS	83169	503.71	5331	N	‡		L	
VHLX-2-600	81859	499.84	5331	N	‡		L	
VHLX-2-600SB	83836	564.98	5331	N	‡		L	
VHLX-2-600G	81860	462.22	5331	N	‡		L	
VHLX-2-600PS	81862	521.54	5331	N	‡		L	
VHLX-2-650	79696	419.84	5331	N	‡		L	
VHLX-2-650SB	83837	564.98	5331	N	‡		L	
VHLX-2-650G	78340	462.22	5331	N	‡		L	
VHLX-2-650PS	83179	521.54	5331	N	‡		L	
VHLX-3-400	81864	401.51	5331	N	‡		L	
VHLX-3-400SB	83839	466.85	5331	N	‡		L	
VHLX-3-400G	81866	423.85	5331	N	‡		L	
VHLX-3-400PS	81870	483.21	5331	N	‡		L	
VHLX-3-450	79701	401.51	5331	N	‡		L	
VHLX-3-450SB	83840	466.85	5331	N	‡		L	
VHLX-3-450G	83184	424.12	5331	N	‡		L	
VHLX-3-450PS	83194	483.48	5331	N	‡		L	
VHLX-3-500	81871	422.15	5331	N	‡		L	
VHLX-3-500SB	83841	487.52	5331	N	‡		L	
VHLX-3-500G	81872	444.82	5331	N	‡		L	
VHLX-3-500PS	81874	503.88	5331	N	‡		L	
VHLX-3-550	79706	422.15	5331	N	‡		L	
VHLX-3-550SB	83842	487.52	5331	N	‡		L	
VHLX-3-550G	78345	444.82	5331	N	‡		L	
VHLX-3-550PS	83204	503.88	5331	N	‡		L	
VHLX-3-600	81875	440.81	5331	N	‡		L	
VHLX-3-600SB	83843	505.14	5331	N	‡		L	
VHLX-3-600G	81876	462.45	5331	N	‡		L	
VHLX-3-600PS	81878	521.71	5331	N	‡		L	
VHLX-3-650	79711	440.81	5331	N	‡		L	
VHLX-3-650SB	83844	505.14	5331	N	‡		L	
VHLX-3-650G	78350	462.45	5331	N	‡		L	
VHLX-3-650PS	83214	521.71	5331	N	‡		L	
VHMA-2-600	81879	347.36	5331	N	‡		L	
VHMA-2-600SB	83845	412.40	5331	N	‡		L	
VHMA-2-600G	81880	369.70	5331	N	‡		L	
VHMA-2-600PS	81882	429.06	5331	N	‡		L	
VHMA-2-650	79716	347.36	5331	N	‡		L	
VHMA-2-650SB	83846	412.40	5331	N	‡		L	
VHMA-2-650G	78355	369.70	5331	N	‡		L	
VHMA-2-650PS	83225	429.06	5331	N	‡		L	
VHMA-2-700	81883	546.86	5331	N	‡		L	
VHMA-2-700SB	83847	611.90	5331	N	‡		L	
VHMA-2-700G	81884	569.20	5331	N	‡		L	
VHMA-2-750	79721	546.86	5331	N	‡		L	

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VHMA-2-750SB	83848	611.90	5331	N	‡		L	
VHMA-2-750G	79726	569.20	5331	N	‡		L	
VHMA-3-600	81886	348.18	5331	N	‡		L	
VHMA-3-600SB	83849	413.32	5331	N	‡		L	
VHMA-3-600G	81887	370.62	5331	N	‡		L	
VHMA-3-600PS	81889	429.98	5331	N	‡		L	
VHMA-3-650	79736	348.18	5331	N	‡		L	
VHMA-3-650SB	83850	413.32	5331	N	‡		L	
VHMA-3-650G	78360	370.62	5331	N	‡		L	
VHMA-3-650PS	83235	429.98	5331	N	‡		L	
VHMA-3-700	81890	547.66	5331	N	‡		L	
VHMA-3-700SB	83851	612.82	5331	N	‡		L	
VHMA-3-700G	81891	570.12	5331	N	‡		L	
VHMA-3-750	79741	547.66	5331	N	‡		L	
VHMA-3-750SB	83852	612.82	5331	N	‡		L	
VHMA-3-750G	79746	570.12	5331	N	‡		L	
VHMB-2-600	81893	379.86	5331	N	‡		L	
VHMB-2-600SB	83853	445.00	5331	N	‡		L	
VHMB-2-600G	81894	402.30	5331	N	‡		L	
VHMB-2-600PS	81896	461.66	5331	N	‡		L	
VHMB-2-650	79756	379.86	5331	N	‡		L	
VHMB-2-650SB	83854	445.00	5331	N	‡		L	
VHMB-2-650G	78365	402.30	5331	N	‡		L	
VHMB-2-650PS	83245	461.66	5331	N	‡		L	
VHMB-2-700	81897	579.36	5331	N	‡		L	
VHMB-2-700SB	83855	644.50	5331	N	‡		L	
VHMB-2-700G	81898	601.80	5331	N	‡		L	
VHMB-2-750	79761	579.36	5331	N	‡		L	
VHMB-2-750SB	83856	644.50	5331	N	‡		L	
VHMB-2-750G	79766	601.80	5331	N	‡		L	
VHMB-3-600	81900	379.86	5331	N	‡		L	
VHMB-3-600SB	83857	445.00	5331	N	‡		L	
VHMB-3-600G	81901	402.30	5331	N	‡		L	
VHMB-3-600PS	81903	461.66	5331	N	‡		L	
VHMB-3-650	79776	379.86	5331	N	‡		L	
VHMB-3-650SB	83858	445.00	5331	N	‡		L	
VHMB-3-650G	78370	402.30	5331	N	‡		L	
VHMB-3-650PS	83255	461.66	5331	N	‡		L	
VHMB-3-700	81904	579.36	5331	N	‡		L	
VHMB-3-700SB	83859	644.50	5331	N	‡		L	
VHMB-3-700G	81905	601.80	5331	N	‡		L	
VHMB-3-750	79781	579.36	5331	N	‡		L	
VHMB-3-750SB	83860	644.50	5331	N	‡		L	
VHMB-3-750G	79786	601.80	5331	N	‡		L	
VHMC-2-600	83861	394.56	5331	N	‡		L	
VHMC-2-600SB	83869	459.68	5331	N	‡		L	
VHMC-2-600G	83865	407.40	5331	N	‡		L	
VHMC-2-650	83862	394.56	5331	N	‡		L	
VHMC-2-650PS	83870	459.68	5331	N	‡		L	
VHMC-2-650G	83866	407.40	5331	N	‡		L	
VHMC-2-700	83863	594.46	5331	N	‡		L	
VHMC-2-700SB	83871	660.60	5331	N	‡		L	
VHMC-2-700G	83867	606.90	5331	N	‡		L	
VHMC-2-750	83864	594.46	5331	N	‡		L	
VHMC-2-750SB	83872	660.60	5331	N	‡		L	
VHMC-2-750G	83868	606.90	5331	N	‡		L	
VHMD-4-600	81907	379.25	5331	N	‡		L	
VHMD-4-600SB	83885	444.39	5331	N	‡		L	
VHMD-4-600G	81908	401.69	5331	N	‡		L	
VHMD-4-600PS	81910	460.95	5331	N	‡		L	
VHMD-4-650	79796	379.25	5331	N	‡		L	
VHMD-4-650SB	83886	444.39	5331	N	‡		L	
VHMD-4-650G	78375	401.69	5331	N	‡		L	
VHMD-4-650PS	83265	460.95	5331	N	‡		L	
VHMD-4-700	81911	578.75	5331	N	‡		L	

Refer to page 2 for explanation of symbols.

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VMMD-4-70G5S	83887	643.89	5331	N	‡		L	
VMMD-4-70GG	81912	601.19	5331	N	‡		L	
VMMD-4-75G	79801	578.75	5331	N	‡		L	
VMMD-4-75G5S	83888	643.89	5331	N	‡		L	
VMMD-4-75GG	79806	601.19	5331	N	‡		L	
VMMD-6-600	78090	295.44	5331	N	1	19.90	L	
VMMD-6-650	78380	295.44	5331	N	1	19.90	L	
VMMD-6-700	78091	494.94	5331	N	1	21.40	L	
VMMD-6-750	79816	494.94	5331	N	1	21.40	L	
VMMX-2-60G	81916	351.78	5331	N	‡		L	
VMMX-2-60G5S	83889	416.91	5331	N	‡		L	
VMMX-2-60GG	81917	374.22	5331	N	‡		L	
VMMX-2-65P5	81919	433.48	5331	N	‡		L	
VMMX-2-65Q	79821	351.78	5331	N	‡		L	
VMMX-2-65G5S	83890	416.91	5331	N	‡		L	
VMMX-2-65GG	78385	374.22	5331	N	‡		L	
VMMX-2-65P5	83275	433.48	5331	N	‡		L	
VMMX-2-70G	81920	551.28	5331	N	‡		L	
VMMX-2-70G5S	83891	616.42	5331	N	‡		L	
VMMX-2-70GG	81921	573.72	5331	N	‡		L	
VMMX-2-75G	79826	551.28	5331	N	‡		L	
VMMX-2-75G5S	83892	616.42	5331	N	‡		L	
VMMX-2-75GG	79831	573.72	5331	N	‡		L	
VMMX-3-60G	81923	351.95	5331	N	‡		L	
VMMX-3-60G5S	83893	417.08	5331	N	‡		L	
VMMX-3-60GG	81924	374.38	5331	N	‡		L	
VMMX-3-65P5	81926	433.65	5331	N	‡		L	
VMMX-3-65G	79841	351.95	5331	N	‡		L	
VMMX-3-65G5S	83894	417.08	5331	N	‡		L	
VMMX-3-65GG	78390	374.38	5331	N	‡		L	
VMMX-3-65P5	83285	433.65	5331	N	‡		L	
VMMX-3-70G	81927	551.45	5331	N	‡		L	
VMMX-3-70G5S	83895	616.58	5331	N	‡		L	
VMMX-3-70GG	81928	573.89	5331	N	‡		L	
VMMX-3-75G	79846	551.45	5331	N	‡		L	
VMMX-3-75G5S	83896	616.58	5331	N	‡		L	
VMMX-3-75GG	79851	573.89	5331	N	‡		L	
VMPA-17	99543	34.39	5331	N	5	0.60	L	
VMPA-40	99544	62.55	5331	N	5	0.60	L	
VMPSD-17	99545	35.39	5331	N	5	0.60	L	
VMPSD-40	99546	66.71	5331	N	5	0.60	L	
VMRWG	81959	41.71	5331	N	1	3.50	L	
VMRWG-S	83997	36.57	5331	N	1	1.00	L	
VMVA-2-70G	81976	532.92	5331	N	‡		L	
VMVA-2-70G5	81978	614.72	5331	N	‡		L	
VMVA-2-70GG	81977	559.13	5331	N	‡		L	
VMVA-2-75G	79972	532.92	5331	N	‡		L	
VMVA-2-75G5	81983	614.72	5331	N	‡		L	
VMVA-2-75GG	79977	559.13	5331	N	‡		L	
VMVA-2-80G	81984	535.56	5331	N	‡		L	
VMVA-2-80G5	81986	717.86	5331	N	‡		L	
VMVA-2-80GG	81985	661.77	5331	N	‡		L	
VMVA-2-85G	79982	635.56	5331	N	‡		L	
VMVA-2-85G5	81991	717.86	5331	N	‡		L	
VMVA-2-85GG	79987	661.77	5331	N	‡		L	
VMVA-3-70G	81844	533.76	5331	N	‡		L	
VMVA-3-70G5	81846	615.55	5331	N	‡		L	
VMVA-3-70GG	81845	559.96	5331	N	‡		L	
VMVA-3-75G	81213	533.76	5331	N	‡		L	
VMVA-3-75G5	82101	615.55	5331	N	‡		L	
VMVA-3-75GG	81218	559.96	5331	N	‡		L	
VMVA-3-80G	82102	636.39	5331	N	‡		L	
VMVA-3-80G5	82104	718.19	5331	N	‡		L	
VMVA-3-80GG	82103	662.60	5331	N	‡		L	
VMVA-3-85G	81223	636.39	5331	N	‡		L	

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VMVA-3-85G5	82109	718.19	5331	N	‡		L	
VMVA-3-85GG	81228	662.60	5331	N	‡		L	
VMVB-2-70G	82126	565.44	5331	N	‡		L	
VMVB-2-70G5	82128	647.24	5331	N	‡		L	
VMVB-2-70GG	82127	591.65	5331	N	‡		L	
VMVB-2-75G	81253	565.44	5331	N	‡		L	
VMVB-2-75G5	82133	647.24	5331	N	‡		L	
VMVB-2-75GG	81258	591.65	5331	N	‡		L	
VMVB-2-80G	82134	568.07	5331	N	‡		L	
VMVB-2-80G5	82136	749.87	5331	N	‡		L	
VMVB-2-80GG	82135	694.28	5331	N	‡		L	
VMVB-2-85G	81263	694.87	5331	N	‡		L	
VMVB-2-85G5	82141	749.87	5331	N	‡		L	
VMVB-2-85GG	81268	694.28	5331	N	‡		L	
VMVB-3-70G	82158	565.44	5331	N	‡		L	
VMVB-3-70G5	82160	647.24	5331	N	‡		L	
VMVB-3-70GG	82159	591.65	5331	N	‡		L	
VMVB-3-75G	81293	565.44	5331	N	‡		L	
VMVB-3-75G5	82165	647.24	5331	N	‡		L	
VMVB-3-75GG	81298	591.65	5331	N	‡		L	
VMVB-3-80G	82166	568.07	5331	N	‡		L	
VMVB-3-80G5	82168	749.87	5331	N	‡		L	
VMVB-3-80GG	82167	694.28	5331	N	‡		L	
VMVB-3-85G	81303	568.07	5331	N	‡		L	
VMVB-3-85G5	82173	749.87	5331	N	‡		L	
VMVB-3-85GG	81308	694.28	5331	N	‡		L	
VMVC-2-70G	83961	670.52	5331	N	‡		L	
VMVC-2-70G5	83965	853.60	5331	N	‡		L	
VMVC-2-70GG	83963	586.74	5331	N	‡		L	
VMVC-2-75G	83962	670.52	5331	N	‡		L	
VMVC-2-75G5	83966	853.60	5331	N	‡		L	
VMVC-2-75GG	83964	586.74	5331	N	‡		L	
VMVC-2-80G	83967	670.52	5331	N	‡		L	
VMVC-2-80G5	83971	784.60	5331	N	‡		L	
VMVC-2-80GG	83969	694.28	5331	N	‡		L	
VMVC-3-70G	83968	670.52	5331	N	‡		L	
VMVC-3-70G5	83972	784.60	5331	N	‡		L	
VMVC-3-70GG	83970	694.28	5331	N	‡		L	
VMVD-2-70G	82190	565.44	5331	N	‡		L	
VMVD-2-70G5	82192	647.24	5331	N	‡		L	
VMVD-2-70GG	82191	591.65	5331	N	‡		L	
VMVD-2-75G	81333	565.44	5331	N	‡		L	
VMVD-2-75G5	82197	647.24	5331	N	‡		L	
VMVD-2-75GG	82193	591.65	5331	N	‡		L	
VMVD-2-80G	82198	568.07	5331	N	‡		L	
VMVD-2-80G5	77500	749.87	5331	N	‡		L	
VMVD-2-80GG	82199	694.28	5331	N	‡		L	
VMVD-2-85G	81343	568.07	5331	N	‡		L	
VMVD-2-85G5	77505	749.87	5331	N	‡		L	
VMVD-2-85GG	81348	694.28	5331	N	‡		L	
VMVD-3-70G	78095	565.44	5331	N	1	28.00	L	
VMVD-3-70G5	81363	647.24	5331	N	1	28.00	L	
VMVD-3-70GG	78096	591.65	5331	N	1	28.00	L	
VMVD-3-75G	81368	591.65	5331	N	1	28.00	L	
VMVX-2-70G	77522	647.24	5331	N	‡		L	
VMVX-2-70G5	77524	816.80	5331	N	‡		L	
VMVX-2-70GG	77523	706.56	5331	N	‡		L	
VMVX-2-75G	81393	647.24	5331	N	‡		L	
VMVX-2-75G5	77529	816.80	5331	N	‡		L	
VMVX-2-75GG	81398	706.56	5331	N	‡		L	
VMVX-2-80G	77530	636.39	5331	N	‡		L	
VMVX-2-80G5	77532	721.78	5331	N	‡		L	
VMVX-2-80GG	77531	662.60	5331	N	‡		L	
VMVX-2-85G	81403	636.39	5331	N	‡		L	
VMVX-2-85G5	77537	721.78	5331	N	‡		L	

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VMVX-2-05GG	81408	666.20	5331	N	‡		L	
VMVX-3-706	77554	537.52	5331	N	‡		L	
VMVX-3-7065	77556	619.32	5331	N	‡		L	
VMVX-3-706G	77555	563.73	5331	N	‡		L	
VMVX-3-756	81433	537.52	5331	N	‡		L	
VMVX-3-756S	77561	619.32	5331	N	‡		L	
VMVX-3-756G	81438	563.73	5331	N	‡		L	
VMVX-3-806	77562	640.16	5331	N	‡		L	
VMVX-3-806S	77564	721.96	5331	N	‡		L	
VMVX-3-806G	77563	666.37	5331	N	‡		L	
VMVX-3-856	81443	640.16	5331	N	‡		L	
VMVX-3-856S	77569	721.96	5331	N	‡		L	
VMVX-3-856G	81448	666.37	5331	N	‡		L	
VMX-2	78646	32.81	5331	N	‡	4.25	L	
VMX-3	78647	33.87	5331	N	‡	4.25	L	
VOB-100	79010	30.29	5111	A	‡	2.00	L	
VOB-200	79012	35.28	5111	A	‡	4.50	L	
VOBG-100	79032	46.86	5111	N	‡		L	
VOBG-200	79034	58.09	5111	N	‡		L	
VOBL-100	79062	40.62	5111	N	‡		L	
VOBL-200	79064	45.61	5111	N	‡		L	
VOBLG-100	79066	57.21	5111	N	‡		L	
VOBLG-200	79068	68.42	5111	N	‡		L	
VP10277	83472	177.03	11263	C	1	4.00	PR	Å
VP10377	83473	186.37	11263	A	1	4.00	PR	Å
VP10387	83474	201.87	11263	A	1	4.00	PR	Å
VP10477	83475	206.57	11263	A	1	4.00	PR	Å
VP10487	83476	222.08	11263	A	1	4.00	PR	Å
VP203512	83303	335.76	11262	C	1	7.0	PR	Å
VP203512-S39	83291	452.81	11262	C	1	7.0	PR	Å
VP203612	83304	356.22	11262	C	1	7.0	PR	Å
VP203612-S39	83292	473.33	11262	C	1	7.0	PR	Å
VP204513	83305	366.34	11262	A	1	9.0	PR	Å
VP204513-S39	83293	483.44	11262	A	1	9.0	PR	Å
VP204612	83306	386.53	11262	A	1	9.0	PR	Å
VP204612-S39	83294	503.64	11262	A	1	9.0	PR	Å
VP3275	83400	89.76	11263	B	1	1.80	PR	Å
VP3375	83404	86.14	11263	A	1	1.80	PR	Å
VP3395	83402	96.27	11263	A	1	1.80	PR	Å
VP3475	83408	96.27	11263	A	1	1.80	PR	Å
VP3485	83406	106.34	11263	A	1	1.80	PR	Å
VP6275	83439	116.47	11263	B	1	3.50	PR	Å
VP6375	83445	121.11	11263	A	1	3.50	PR	Å
VP6385	83442	136.92	11263	A	1	3.50	PR	Å
VP6475	83451	126.60	11263	A	1	3.50	PR	Å
VP6485	83448	146.75	11263	A	1	3.50	PR	Å
VPFH-2	79100	29.29	5901	N	5/25	0.46	L	
VPFHA-12	79104	26.18	5901	N	5/25	1.00	L	
VPFHA-22	79108	26.18	5901	N	5/25	1.00	L	
VPFHC-12	79112	26.05	5901	N	5/25	0.90	L	
VPFHC-22	79116	26.05	5901	N	5/25	0.90	L	
VPFHH-12	79120	26.18	5901	N	5/25	0.90	L	
VPFHH-22	79124	26.18	5901	N	5/25	0.90	L	
VPFHX-12	79144	29.27	5901	N	5/25	1.10	L	
VPFHX-22	79148	29.27	5901	N	5/25	1.10	L	
VPLCG-100	79150	17.00	5111	A	10	0.55	L	
VPLCG-200	80003	26.34	5111	B	5	1.00	L	
VPR10257	83477	206.57	11263	C	1	4.00	PR	Å
VPR10357	83478	217.44	11263	B	1	4.00	PR	Å
VPR10367	83479	232.94	11263	C	1	4.00	PR	Å
VPR10457	83480	237.64	11263	A	1	5.00	PR	Å
VPR10467	83481	251.62	11263	A	1	5.00	PR	Å
VPR203112	83307	457.90	11262	C	1	9.0	PR	Å
VPR203112-S39	83295	575.01	11262	C	1	9.0	PR	Å
VPR203212	83308	475.96	11262	C	1	9.0	PR	Å

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VPR203212-S39	83296	593.07	11262	C	1	9.0	PR	Å
VPR204113	83309	498.88	11262	C	1	10.0	PR	Å
VPR204113-S39	83297	607.19	11262	C	1	10.0	PR	Å
VPR204212	83310	508.93	11262	B	1	10.0	PR	Å
VPR204212-S39	83298	626.04	11262	B	1	10.0	PR	Å
VPR3255	83420	86.35	11263	C	1	1.90	PR	Å
VPR3355	83424	87.38	11263	B	1	1.90	PR	Å
VPR3385	83422	96.27	11263	C	1	1.90	PR	Å
VPR3455	83428	96.27	11263	B	1	1.90	PR	Å
VPR3485	83426	106.34	11263	A	1	1.90	PR	Å
VPR6256	83440	141.32	11263	C	1	3.60	PR	Å
VPR6356	83446	151.30	11263	A	1	3.60	PR	Å
VPR6365	83443	161.52	11263	A	1	3.60	PR	Å
VPR6456	83452	177.03	11263	A	1	3.60	PR	Å
VPR6465	83449	186.37	11263	A	1	3.60	PR	Å
VPR50-100	81995	24.76	5111	B	5	2.70	L	
VPR50-200	81996	34.62	5111	B	5	4.10	L	
VR1021	83482	130.85	11263	C	1	2.00	PR	Å
VR1021C3	83491	213.76	11263	C	‡		PR	Å
VR1021C4	83492	221.34	11263	C	‡	8.00	PR	Å
VR1021C5	83493	222.87	11263	C	‡	8.00	PR	Å
VR1021C6	83494	224.40	11263	C	‡	8.50	PR	Å
VR1021E3	83487	217.44	11263	C	‡	7.90	PR	Å
VR1021E4	83488	214.33	11263	C	‡	8.10	PR	Å
VR1021E5	83489	216.76	11263	C	‡	8.00	PR	Å
VR1021E6	83490	220.55	11263	C	‡	8.50	PR	Å
VR1031	83483	140.89	11263	A	1	2.00	PR	Å
VR1031C3	83499	229.98	11263	A	‡	8.10	PR	Å
VR1031C4	83500	231.47	11263	A	‡	8.30	PR	Å
VR1031C5	83501	233.00	11263	A	‡	8.20	PR	Å
VR1031C6	83502	234.60	11263	A	‡	8.70	PR	Å
VR1031E3	83495	227.99	11263	A	‡	8.10	PR	Å
VR1031E4	83496	228.35	11263	A	‡	8.30	PR	Å
VR1031E5	83497	229.88	11263	A	‡	8.20	PR	Å
VR1031E6	83498	230.60	11263	A	‡	8.70	PR	Å
VR1032	83484	161.52	11263	B	‡	2.00	PR	Å
VR1032C3	83515	244.60	11263	B	‡	8.20	PR	Å
VR1032C4	83516	246.18	11263	B	‡	8.40	PR	Å
VR1032C5	83517	247.71	11263	B	‡	8.30	PR	Å
VR1032C6	83518	249.30	11263	B	‡	8.80	PR	Å
VR1032E3	83511	242.23	11263	B	‡	8.20	PR	Å
VR1032E4	83512	243.87	11263	B	‡	8.40	PR	Å
VR1032E5	83513	244.68	11263	B	‡	8.30	PR	Å
VR1032E6	83514	245.36	11263	B	‡	8.80	PR	Å
VR1041	83485	172.98	11263	A	1	3.00	PR	Å
VR1041C3	83507	256.47	11263	A	‡	8.40	PR	Å
VR1041C4	83508	257.98	11263	A	‡	8.60	PR	Å
VR1041C5	83509	259.50	11263	A	‡	8.50	PR	Å
VR1041C6	83510	260.16	11263	A	‡	9.00	PR	Å
VR1041E3	83503	253.16	11263	A	‡	8.40	PR	Å
VR1041E4	83504	253.56	11263	A	‡	8.60	PR	Å
VR1041E5	83505	255.47	11263	A	‡	8.50	PR	Å
VR1041E6	83506	256.26	11263	A	‡	9.00	PR	Å
VR1042	83486	186.37	11263	A	1	3.00	PR	Å
VR1042C3	83523	269.45	11263	A	‡	8.40	PR	Å
VR1042C4	83524	271.05	11263	A	‡	8.60	PR	Å
VR1042C5	83525	272.56	11263	A	‡	8.50	PR	Å
VR1042C6	83526	274.14	11263	A	‡	9.00	PR	Å
VR1042E3	83519	267.13	11263	A	‡	8.40	PR	Å
VR1042E4	83520	267.92	11263	A	‡	8.60	PR	Å
VR1042E5	83521	269.45	11263	A	‡	8.50	PR	Å
VR1042E6	83522	270.24	11263	A	‡	9.00	PR	Å
VR2812	83311	555.70	11262	B	1	7.0	PR	Å
VR2812C7	83318	495.22	11262	B	‡	16.7	PR	Å
VR2812C7-S39		612.32	11262	N	‡	16.7	PR	Å

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VR2031ZE5	83315	481.55	11262	B	‡	16.5	PR	Å
VR2031ZE5-S39		598.66	11262	N	‡	16.5	PR	Å
VR2031ZE6	83316	494.98	11262	B	‡	16.0	PR	Å
VR2031ZE6-S39		602.09	11262	N	‡	16.0	PR	Å
VR2031ZE7	83317	486.43	11262	B	‡	16.0	PR	Å
VR2031ZE7-S39		605.54	11262	N	‡	16.0	PR	Å
VR2031Z-S39	83299	452.81	11262	B	1	7.0	PR	Å
VR2032Z	83312	356.22	11262	C	1	7.0	PR	Å
VR2032ZC7	83322	515.74	11262	C	‡	16.7	PR	Å
VR2032ZC7-S39		632.84	11262	N	‡	16.7	PR	Å
VR2032ZE5	83319	502.07	11262	C	‡	16.5	PR	Å
VR2032ZE5-S39		619.18	11262	N	‡	16.5	PR	Å
VR2032ZE6	83320	505.50	11262	C	‡	16.0	PR	Å
VR2032ZE6-S39		622.61	11262	N	‡	16.0	PR	Å
VR2032ZE7	83321	506.35	11262	C	‡	16.0	PR	Å
VR2032ZE7-S39		626.46	11262	N	‡	16.0	PR	Å
VR2032Z-S39	83300	473.33	11262	C	1	7.0	PR	Å
VR2041Z	83313	386.34	11262	A	1	9.0	PR	Å
VR2041ZC7	83326	525.85	11262	A	‡	16.7	PR	Å
VR2041ZC7-S39		642.96	11262	N	‡	16.7	PR	Å
VR2041ZE5	83323	512.19	11262	A	‡	16.5	PR	Å
VR2041ZE5-S39		629.30	11262	N	‡	16.5	PR	Å
VR2041ZE6	83324	515.62	11262	A	‡	16.0	PR	Å
VR2041ZE6-S39		632.73	11262	N	‡	16.0	PR	Å
VR2041ZE7	83325	516.47	11262	A	‡	16.0	PR	Å
VR2041ZE7-S39		636.58	11262	N	‡	16.0	PR	Å
VR2041Z-S39	83301	483.44	11262	A	1	9.0	PR	Å
VR2042Z	83314	396.53	11262	A	1	9.0	PR	Å
VR2042ZC7	83330	545.95	11262	C	‡	16.7	PR	Å
VR2042ZC7-S39		663.15	11262	N	‡	16.7	PR	Å
VR2042ZE5	83327	532.39	11262	C	‡	16.5	PR	Å
VR2042ZE5-S39		649.49	11262	N	‡	16.5	PR	Å
VR2042ZE6	83328	535.81	11262	C	‡	16.0	PR	Å
VR2042ZE6-S39		652.92	11262	N	‡	16.0	PR	Å
VR2042ZE7	83329	536.66	11262	C	‡	16.0	PR	Å
VR2042ZE7-S39		656.77	11262	N	‡	16.0	PR	Å
VR2042Z-S39	83302	503.64	11262	A	1	9.0	PR	Å
VR321	83410	85.52	11263	B	1	1.50	PR	Å
VR321C1	84203	85.30	11263	B	‡	3.30	PR	Å
VR321C2	84204	86.56	11263	B	‡	3.30	PR	Å
VR321C3	84205	87.78	11263	B	‡	3.00	PR	Å
VR321D1	84206	100.33	11263	B	‡	2.80	PR	Å
VR321D2	84207	101.79	11263	B	‡	2.80	PR	Å
VR321D3	84208	103.15	11263	B	‡	2.80	PR	Å
VR321E1	84200	90.09	11263	B	‡	2.80	PR	Å
VR321E2	84201	91.97	11263	B	‡	2.80	PR	Å
VR321E3	84202	93.24	11263	B	‡	2.80	PR	Å
VR331	83414	78.83	11263	A	1	1.50	PR	Å
VR331C1	84212	90.41	11263	A	‡	3.30	PR	Å
VR331C2	84213	91.69	11263	A	‡	3.30	PR	Å
VR331C3	84214	92.89	11263	A	‡	3.30	PR	Å
VR331D1	84215	105.45	11263	A	‡	2.80	PR	Å
VR331D2	84216	106.92	11263	A	‡	2.80	PR	Å
VR331D3	84217	108.24	11263	A	‡	2.80	PR	Å
VR331E1	84209	95.77	11263	A	‡	2.80	PR	Å
VR331E2	84210	97.09	11263	A	‡	2.80	PR	Å
VR331E3	84211	98.36	11263	A	‡	2.80	PR	Å
VR332	83412	86.76	11263	A	1	1.50	PR	Å
VR332C1	84230	100.54	11263	A	‡	3.30	PR	Å
VR332C2	84231	101.81	11263	A	‡	3.30	PR	Å
VR332C3	84232	103.02	11263	A	‡	3.30	PR	Å
VR332D1	84233	115.58	11263	A	‡	2.80	PR	Å
VR332D2	84234	116.95	11263	A	‡	2.80	PR	Å
VR332D3	84235	118.37	11263	A	‡	2.80	PR	Å
VR332E1	84227	96.90	11263	A	‡	2.80	PR	Å

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VR332E2	84228	97.22	11263	A	‡	2.80	PR	Å
VR332E3	84229	98.49	11263	A	‡	2.80	PR	Å
VR341	83418	88.78	11263	A	1	1.50	PR	Å
VR341C1	84221	100.54	11263	A	‡	3.30	PR	Å
VR341C2	84222	101.81	11263	A	‡	3.30	PR	Å
VR341C3	84223	103.02	11263	A	‡	3.30	PR	Å
VR341D1	84224	115.58	11263	A	‡	2.80	PR	Å
VR341D2	84225	116.95	11263	A	‡	2.80	PR	Å
VR341D3	84226	118.37	11263	A	‡	2.80	PR	Å
VR341E1	84218	96.90	11263	A	‡	2.80	PR	Å
VR341E2	84219	97.22	11263	A	‡	2.80	PR	Å
VR341E3	84220	98.49	11263	A	‡	2.80	PR	Å
VR342	83416	98.84	11263	A	1	1.50	PR	Å
VR342C1	84239	110.62	11263	A	‡	3.30	PR	Å
VR342C2	84240	111.89	11263	A	‡	3.30	PR	Å
VR342C3	84241	113.10	11263	A	‡	3.30	PR	Å
VR342D1	84242	125.65	11263	A	‡	2.80	PR	Å
VR342D2	84243	127.02	11263	A	‡	2.80	PR	Å
VR342D3	84244	128.45	11263	A	‡	2.80	PR	Å
VR342E1	84236	106.97	11263	A	‡	2.80	PR	Å
VR342E2	84237	107.29	11263	A	‡	2.80	PR	Å
VR342E3	84238	108.56	11263	A	‡	2.80	PR	Å
VR821	83441	103.51	11263	C	1	2.50	PR	Å
VR821C2	84248	135.02	11263	C	‡	5.50	PR	Å
VR821C3	84249	136.94	11263	C	‡	5.50	PR	Å
VR821D1	84250	141.22	11263	C	‡	5.00	PR	Å
VR821D2	84251	173.51	11263	C	‡	5.50	PR	Å
VR821D3	84252	168.00	11263	C	‡	5.50	PR	Å
VR821E2	84253	169.23	11263	C	‡	5.50	PR	Å
VR821E3	84245	110.00	11263	C	‡	5.40	PR	Å
VR831C2	84246	129.74	11263	C	‡	5.40	PR	Å
VR831D2	84247	143.76	11263	C	‡	5.40	PR	Å
VR831	83447	118.42	11263	A	1	2.50	PR	Å
VR831C2	84257	153.00	11263	A	‡	5.50	PR	Å
VR831C3	84258	154.49	11263	A	‡	5.50	PR	Å
VR831D1	84259	156.00	11263	A	‡	5.50	PR	Å
VR831D2	84260	194.67	11263	A	‡	5.50	PR	Å
VR831D3	84261	186.44	11263	A	‡	5.50	PR	Å
VR831E2	84262	188.01	11263	A	‡	5.50	PR	Å
VR831E3	84254	135.26	11263	A	‡	5.40	PR	Å
VR831E4	84255	136.81	11263	A	‡	5.40	PR	Å
VR831E5	84256	137.31	11263	A	‡	5.40	PR	Å
VR832	83444	125.78	11263	A	1	2.50	PR	Å
VR832E2	84275	161.29	11263	A	‡	5.50	PR	Å
VR832E3	84276	163.00	11263	A	‡	5.50	PR	Å
VR832E4	84277	198.18	11263	A	‡	5.50	PR	Å
VR832E5	84278	200.00	11263	A	‡	5.50	PR	Å
VR832F2	84279	200.73	11263	A	‡	5.50	PR	Å
VR832F3	84280	202.00	11263	A	‡	5.50	PR	Å
VR832E3	84272	144.56	11263	A	‡	5.40	PR	Å
VR832E4	84273	146.05	11263	A	‡	5.40	PR	Å
VR832E5	84274	146.56	11263	A	‡	5.40	PR	Å
VR841	83453	138.02	11263	A	1	2.50	PR	Å
VR841C2	84266	172.02	11263	A	‡	5.50	PR	Å
VR841C3	84267	174.00	11263	A	‡	5.50	PR	Å
VR841D2	84268	177.00	11263	A	‡	5.50	PR	Å
VR841D3	84269	214.22	11263	A	‡	5.50	PR	Å
VR841E2	84270	210.50	11263	A	‡	5.50	PR	Å
VR841E3	84271	210.97	11263	A	‡	5.50	PR	Å
VR841E4	84263	155.40	11263	A	‡	5.40	PR	Å
VR841E5	84264	156.40	11263	A	‡	5.40	PR	Å
VR842	83450	151.30	11263	A	1	2.50	PR	Å
VR842C3	84284	186.64	11263	A	‡	5.50	PR	Å
VR842C4	84285	188.32	11263	A	‡	5.50	PR	Å

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VR6423C4-S39		189.32	11263	A	‡	5.50	PR	Å
VR64235	84286	191.88	11263	A	‡	5.50	PR	Å
VR64239	84287	228.98	11263	A	‡	5.50	PR	Å
VR64284	84288	231.36	11263	A	‡	5.50	PR	Å
VR64289	84289	233.74	11263	A	‡	5.50	PR	Å
VR6423B	84281	170.17	11263	A	‡	5.40	PR	Å
VR6423E1	84282	171.23	11263	A	‡	5.40	PR	Å
VR6423S	84283	172.23	11263	A	‡	5.40	PR	Å
VRC13	83433	19.78	11263	B	1	1.80	PR	Å
VRC23	83434	21.85	11263	B	1	1.80	PR	Å
VRE33	83435	22.26	11263	B	1	1.80	PR	Å
VRC36	83457	35.45	11263	C	1	3.00	PR	Å
VRC46	83458	37.88	11263	C	1	3.00	PR	Å
VRC56	83459	40.41	11263	B	1	3.00	PR	Å
VRD13	83436	34.92	11263	B	1	1.30	PR	Å
VRD23	83437	36.19	11263	C	1	1.30	PR	Å
VRD33	83438	37.81	11263	C	1	1.30	PR	Å
VRD36	83460	77.00	11263	C	1	3.00	PR	Å
VRD46	83461	78.87	11263	C	1	3.00	PR	Å
VRD56	83462	82.34	11263	C	1	3.00	PR	Å
VRE13	83430	15.14	11263	C	1	1.30	PR	Å
VRE23	83431	16.46	11263	A	1	1.30	PR	Å
VRE33	83432	17.72	11263	A	1	1.30	PR	Å
VRE36	83454	18.76	11263	A	1	2.90	PR	Å
VRE46	83455	19.83	11263	A	1	2.90	PR	Å
VRE56	83456	20.84	11263	A	1	2.90	PR	Å
VRG-100	81006	10.38	5111	A	1/10	1.10	L	
VRG-200	81007	20.90	5111	B	1/5	2.30	L	
VRGP-100	81005	23.70	5111	N	1	4.50	L	
VRME	81032	6.32	5111	C	10/25	0.80	L	
VS1125B0114G	95733	60.73	9343	N	1	0.26	PR	Å
VS1125P486	98460	314.86	11250	N	1	3.07	PR	Å
VS1125P487	98461	314.86	11250	N	1	3.07	PR	Å
VS1125P488	98462	314.86	11250	N	1	3.07	PR	Å
VS1125P586	98464	394.34	11250	N	1	3.07	PR	Å
VS1125P587	98465	394.34	11250	N	1	3.07	PR	Å
VS1125P588	98466	394.34	11250	N	1	3.07	PR	Å
VS1125R486	98453	2491.85	11250	N	1	48.07	PR	Å
VS1125R487	98454	2491.85	11250	N	1	48.07	PR	Å
VS1125R488	98455	2491.85	11250	N	1	48.07	PR	Å
VS1125R585	98457	2586.86	11250	N	1	48.07	PR	Å
VS1125R587	98458	2586.86	11250	N	1	48.07	PR	Å
VS1125R588	98459	2586.86	11250	N	1	48.07	PR	Å
VS116B0114G	98469	28.36	9343	N	1	0.09	PR	Å
VS116B0114G	98468	29.39	9343	N	1	0.11	PR	Å
VS116B0114G	98467	29.36	9343	N	1	0.13	PR	Å
VS116P384	98415	116.55	11250	N	1	0.58	PR	Å
VS116P386	98416	116.55	11250	N	1	0.58	PR	Å
VS116P387	98417	116.55	11250	N	1	0.58	PR	Å
VS116P486	98418	120.39	11250	N	1	0.58	PR	Å
VS116P487	98419	120.39	11250	N	1	0.58	PR	Å
VS116P488	98420	120.39	11250	N	1	0.58	PR	Å
VS116P585	98422	120.39	11250	N	1	0.58	PR	Å
VS116P587	98423	120.39	11250	N	1	0.58	PR	Å
VS116P588	98424	120.39	11250	N	1	0.58	PR	Å
VS116R384	98405	412.04	11250	N	1	4.62	PR	Å
VS116R386	98406	412.04	11250	N	1	4.62	PR	Å
VS116R387	98407	412.04	11250	N	1	4.62	PR	Å
VS116R486	98408	420.46	11250	N	1	4.62	PR	Å
VS116R487	98409	420.46	11250	N	1	4.62	PR	Å
VS116R488	98410	420.46	11250	N	1	4.62	PR	Å
VS116R585	98412	434.37	11250	N	1	4.62	PR	Å
VS116R587	98413	434.37	11250	N	1	4.62	PR	Å
VS116R588	98414	434.37	11250	N	1	4.62	PR	Å
VS32302140	98471	28.75	9343	N	1	0.15	PR	Å
VS32303140	98470	28.75	9343	N	1	0.24	PR	Å
VSK32P485	98432	141.23	11250	N	1	1.00	PR	Å
VSK32P487	98433	141.23	11250	N	1	1.00	PR	Å
VSK32P489	98434	141.23	11250	N	1	1.00	PR	Å
VSK32P585	98436	146.93	11250	N	1	1.00	PR	Å
VSK32P587	98437	146.93	11250	N	1	1.00	PR	Å
VSK32P589	98438	146.93	11250	N	1	1.00	PR	Å
VSK32R485	98425	531.86	11250	N	1	8.94	PR	Å
VSK32R487	98426	531.86	11250	N	1	8.94	PR	Å
VSK32R489	98427	531.86	11250	N	1	8.94	PR	Å
VSK32R585	98429	554.62	11250	N	1	8.94	PR	Å
VSK32R587	98430	554.62	11250	N	1	8.94	PR	Å
VSK32R589	98431	554.62	11250	N	1	8.94	PR	Å
VSK63B0114G	98472	59.23	9343	N	1	0.22	PR	Å
VSK63P485	98446	167.15	11250	N	1	2.18	PR	Å
VSK63P487	98447	167.15	11250	N	1	2.18	PR	Å
VSK63P489	98448	167.15	11250	N	1	2.18	PR	Å
VSK63P585	98450	174.75	11250	N	1	2.18	PR	Å
VSK63P587	98451	174.75	11250	N	1	2.18	PR	Å
VSK63P589	98452	174.75	11250	N	1	2.18	PR	Å
VSK63R485	98439	721.77	11250	N	1	17.58	PR	Å
VSK63R487	98440	721.77	11250	N	1	17.58	PR	Å
VSK63R489	98441	721.77	11250	N	1	17.58	PR	Å
VSK63R585	98443	761.85	11250	N	1	17.58	PR	Å
VSK63R587	98444	761.85	11250	N	1	17.58	PR	Å
VSK63R589	98445	761.85	11250	N	1	17.58	PR	Å
VSK6323	83331	381.10	11272	A	1	12.5	PR	Å
VSK6323FS	83335	403.50	11272	A	1	13.5	PR	Å
VSK6324	83332	389.34	11272	B	1	12.5	PR	Å
VSK6324FS	83336	471.74	11272	B	1	13.5	PR	Å
VSK6823	83333	551.85	11272	C	1	20.0	PR	Å
VSK6823FS	83337	633.45	11272	C	1	22.0	PR	Å
VSK6824	83334	559.28	11272	A	1	20.0	PR	Å
VSK6824FS	83338	641.89	11272	A	1	22.0	PR	Å
VTG	82001	1.28	5111	C	50/250	0.50	L	
VTGG	82002	1.10	5111	C	10/50	0.50	L	
VTGG1-S	82005	3.86	5111	N	10/50		L	
VTGG2-S	82006	4.96	5111	N	10/50		L	
VTG-S	82004	3.86	5111	N	50/250		L	
VTMG	82003	1.10	5111	C	10/50	0.50	L	
VUAG-1-100	82224	30.70	5111	A	‡		L	
VUAG-1-200	82226	35.69	5111	N	‡		L	
VUAG-2-100	82228	30.70	5111	A	‡		L	
VUAG-2-200	82230	35.69	5111	N	‡		L	
VUAGG-1-100	82232	47.26	5111	N	‡		L	
VUAGG-1-200	82234	50.59	5111	N	‡		L	
VUAGG-2-100	82236	47.30	5111	N	‡		L	
VUAGG-2-200	82238	50.69	5111	N	‡		L	
VUASD-1-100	82252	65.48	5111	N	‡		L	
VUASD-1-200	82256	70.61	5111	N	‡		L	
VUASD-2-100	82258	65.50	5111	N	‡		L	
VUASD-2-200	82262	70.51	5111	N	‡		L	
VUASDG-1-100	82264	71.97	5111	N	‡		L	
VUASDG-1-200	82268	93.51	5111	N	‡		L	
VUASDG-2-100	82270	71.97	5111	N	‡		L	
VUASDG-2-200	82274	85.81	5111	N	‡		L	
VUCG-1-100	82312	31.10	5111	A	‡		L	
VUCG-1-200	82314	36.15	5111	N	‡		L	
VUCG-2-100	82324	31.16	5111	A	‡		L	
VUCG-2-200	82326	36.15	5111	N	‡		L	
VUCGG-1-100	82336	47.76	5111	N	‡		L	
VUCGG-1-200	82338	58.96	5111	N	‡		L	
VUCGG-2-100	82346	47.76	5111	N	‡		L	
VUCGG-2-200	82348	58.96	5111	N	‡		L	
VUCSD-1-100	82368	55.95	5111	N	‡		L	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
VUCSD-1-200	82372	70.97	5111	N	‡		L	
VUCSD-2-100	82374	55.05	5111	N	‡		L	
VUCSD-2-200	82378	70.97	5111	N	‡		L	
VUCSDG-1-100	82380	72.54	5111	N	‡		L	
VUCSDG-1-200	82384	93.78	5111	N	‡		L	
VUCSDG-2-100	82386	72.54	5111	N	‡		L	
VUCSDG-2-200	82390	93.78	5111	N	‡		L	
VUHG-1-100	82428	38.78	5111	N	‡		L	
VUHG-1-200	82430	35.69	5111	N	‡		L	
VUHG-2-100	82440	38.78	5111	N	‡		L	
VUHG-2-200	82442	35.69	5111	N	‡		L	
VUHGG-1-100	82452	47.36	5111	N	‡		L	
VUHGG-1-200	82454	58.59	5111	N	‡		L	
VUHGG-2-100	82462	47.36	5111	N	‡		L	
VUHGG-2-200	82464	58.59	5111	N	‡		L	
VUHSD-1-100	82484	55.49	5111	N	‡		L	
VUHSD-1-200	82488	70.61	5111	N	‡		L	
VUHSD-2-100	82490	55.49	5111	N	‡		L	
VUHSD-2-200	82494	70.51	5111	N	‡		L	
VUHSDG-1-100	82496	71.97	5111	N	‡		L	
VUHSDG-1-200	82500	91.31	5111	N	‡		L	
VUHSDG-2-100	82502	71.97	5111	N	‡		L	
VUHSDG-2-200	82506	91.31	5111	N	‡		L	
VUXG-1-100	82774	33.77	5111	N	‡		L	
VUXG-1-200	82776	38.76	5111	N	‡		L	
VUXG-2-100	82786	33.77	5111	N	‡		L	
VUXG-2-200	82788	38.76	5111	N	‡		L	
VUXGG-1-100	82798	50.97	5111	N	‡		L	
VUXGG-1-200	82800	61.57	5111	N	‡		L	
VUXGG-2-100	82808	50.97	5111	N	‡		L	
VUXGG-2-200	82810	61.57	5111	N	‡		L	
VUXSD-1-100	82830	58.55	5111	N	‡		L	
VUXSD-1-200	82834	73.98	5111	N	‡		L	
VUXSD-2-100	82836	58.55	5111	N	‡		L	
VUXSD-2-200	82840	73.98	5111	N	‡		L	
VUXSDG-1-100	82842	75.15	5111	N	‡		L	
VUXSDG-1-200	82846	95.38	5111	N	‡		L	
VUXSDG-2-100	82848	75.15	5111	N	‡		L	
VUXSDG-2-200	82852	95.38	5111	N	‡		L	
VW903023	83339	303.85	11272	A	‡	12.5	PR	Å
VW903034	83340	373.00	11272	B	1	12.5	PR	Å
VW903023	83341	486.25	11272	C	1	20.0	PR	Å
VW903034	83342	497.49	11272	A	1	20.0	PR	Å
VXA-1	83001	11.67	5111	A	2/10	0.95	L	
VXA-2	83002	11.67	5111	A	2/10	0.90	L	
VXAB	83003	2.29	5111	N	5/25	0.14	L	
VXAG-110	83028	30.58	5111	A	‡		L	
VXAG-120	83030	41.49	5111	N	‡		L	
VXAG-210	83032	36.58	5111	A	‡		L	
VXAG-220	83034	41.49	5111	N	‡		L	
VXAGG-110	83036	53.19	5111	N	‡		L	
VXAGG-120	83038	64.38	5111	N	‡		L	
VXAGG-210	83040	53.19	5111	N	‡		L	
VXAGG-220	83042	64.38	5111	N	‡		L	
VXFC-100 NS4	83049	23.09	5111	N	1	6.50	L	
VXFC-200 NS4	83050	28.89	5111	N	1/10	1.50	L	
VZRG-1550	83998	88.57	5331	N	1	7.00	L	
VZRG-2510	83550	169.62	5331	N	1	14.40	L	
VZRG-2550	83560	150.55	5331	N	1	13.50	L	
VZRG-4020	83568	117.85	5331	N	1	13.50	L	
VZRG-4050	83569	117.85	5331	N	1	13.50	L	
VZRGT-2550	83561	150.25	5331	N	1	13.50	L	
VZRP-175	83578	105.13	5331	N	1	4.50	L	
WC-1004E4567S	87349	316.97	11264	N	1	6.00	PR	
WC-1004F3456S	84003	316.97	11264	N	1	6.00	PR	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
WCD10-083-1R	96240	90.57	9330	N	1	0.50	C	
WCD13-R230Q	96244	98.53	9330	N	1	0.50	C	
WCD13-R233Q	96245	121.50	9330	N	1	1.00	C	
WCD14-PTA233P	96268	88.48	9330	N	1	0.50	C	
WCD14-PTG233P	96251	88.48	9330	N	1	0.50	C	
WCD14-PTR233P	96260	88.48	9330	N	1	0.50	C	
WCD1-LOK	96173	21.91	9330	N	1	0.50	C	
WCD1-RM1	96180	35.86	9330	N	1	0.50	C	
WCD1-RM2	96181	43.80	9330	N	1	0.50	C	
WCD1-UG0A	96186	24.89	9330	N	1	0.50	C	
WCD1-UG1B	96187	35.86	9330	N	1	0.50	C	
WCD1-UG2D	96188	35.86	9330	N	1	0.50	C	
WCD1-UG3A	96189	46.78	9330	N	1	0.50	C	
WCD34-ARC	96204	5.11	9330	N	1	0.50	C	
WCD34-GRC	96207	5.11	9330	N	1	0.50	C	
WCD34-SRC	96208	5.11	9330	N	1	0.50	C	
WCD3-K23C	96264	47.87	9330	N	1	0.50	C	
WCD3-R23C	96199	47.87	9330	N	1	0.50	C	
WCD3-R23E	96265	47.87	9330	N	1	0.50	C	
WCD4-K23C	96266	79.86	9330	N	1	0.50	C	
WCD4-G23C	96215	79.86	9330	N	1	0.50	C	
WCD4-R23C	96267	79.86	9330	N	1	0.50	C	
WCD6-23F	96220	95.70	9330	N	1	0.50	C	
WCD6-3B6	96222	95.70	9330	N	1	0.50	C	
WCD6-3F	96224	95.70	9330	N	1	0.50	C	
WCD7-06	96225	95.70	9330	N	1	0.50	C	
WCD-CIP	96164	6.86	9330	N	1	0.25	C	
WCW-1004E4567S	87350	288.52	11264	N	1	11.00	PR	
WCW-1004F3456S	84021	288.52	11264	N	1	11.00	PR	
WH-0	84189	43.47	15272	N	2	3.50	F	
WH-1	84180	9.57	15272	N	100	0.05	F	
WH-2	84181	4.88	15272	N	50	0.15	F	
WH-3	84182	4.88	15272	N	40	0.26	F	
WH-4	84183	6.25	15272	N	10	0.55	F	
WH-5	84184	7.86	15272	N	10	0.73	F	
WH-6	84185	8.20	15272	N	10	0.95	F	
WH-7	84186	17.26	15272	N	5	1.90	F	
WH-8	84187	24.36	15272	N	2	2.50	F	
WH-9	84188	33.20	15272	N	2	3.00	F	
WP-1004E4567	87347	226.96	11264	N	1/5	3.00	PR	
WP-1004E4567S	87348	252.61	11264	N	1/5	3.10	PR	
WP-1004F3456	87346	226.96	11264	N	1/5	3.00	PR	
WP-1004F3456S	87345	252.61	11264	N	1/5	3.10	PR	
WP-1007E4567	87335	288.43	11264	N	1/5	3.00	PR	
WP-1007E4567S	87334	275.85	11264	N	1/5	3.10	PR	
WP-1007F3456	87333	288.43	11264	N	1/5	3.00	PR	
WP-1007F3456S	87336	276.85	11264	N	1/5	3.10	PR	
WP-3002345	87317	114.46	11264	N	1	1.00	PR	
WP-3002345S	87318	120.22	11264	N	1	1.10	PR	
WP-3E4E4567	87325	114.46	11264	N	1	1.50	PR	
WP-3E4E4567S	87326	120.22	11264	N	1	1.60	PR	
WP-3F4G2345	87321	126.00	11264	N	1	1.00	PR	
WP-3F4G2345S	87322	132.15	11264	N	1	1.10	PR	
WP-3F4G4567	87329	126.22	11264	N	1	2.00	PR	
WP-3F4G4567S	87330	132.15	11264	N	1	2.50	PR	
WP-4G2345	85013	168.56	11264	N	1	2.00	PR	
WP-4G2345S	85115	170.14	11264	N	1	2.10	PR	
WP-4G4E4567	87312	168.56	11264	N	1/5	2.50	PR	
WP-4G4E4567S	87311	171.17	11264	N	1/5	2.60	PR	
WP-4G4F3456	85016	170.14	11264	N	1	2.50	PR	
WP-4G4F3456S	85120	182.25	11264	N	1	2.60	PR	
WP-4G4F3456T	87315	170.14	11264	N	1/5	3.00	PR	
WP-4G4E4567S	87316	182.25	11264	N	1/5	3.10	PR	
WP-4G4F3456	87314	170.14	11264	N	1/5	3.00	PR	
WP-4G4F3456S	87313	182.25	11264	N	1/5	3.10	PR	

Refer to page 2 for explanation of symbols.

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
WPW-1065E4567	87344	215.22	11264	N	1/5	3.00	PR	
WPW-1065E45673	87343	235.98	11264	N	1	3.10	PR	
WPW-1065F3456	87340	215.22	11264	N	1	3.00	PR	
WPW-1065F34563	87339	235.98	11264	N	1	3.10	PR	
WPW-1064E4567	87338	249.47	11264	N	1	3.00	PR	
WPW-1064E45673	87351	268.43	11264	N	1	3.10	PR	
WPW-1064F3456	87342	248.47	11264	N	1	3.00	PR	
WPW-1064F34563	87337	268.43	11264	N	1	3.10	PR	
WPW-3602E345	87319	98.75	11264	N	1	1.00	PR	
WPW-3602E3456	87320	105.89	11264	N	1	1.10	PR	
WPW-4064E4567	87327	99.78	11264	N	1	1.50	PR	
WPW-4064E45673	87328	105.89	11264	N	1	1.60	PR	
WPW-4002E345	87323	114.49	11264	N	1	1.00	PR	
WPW-4002E3456	87324	126.23	11264	N	1	1.10	PR	
WPW-4004E4567	87331	114.49	11264	N	1	1.50	PR	
WPW-4004E45673	87332	120.23	11264	N	1	1.60	PR	
WPW-4003E345	85038	145.80	11264	N	1/5	2.00	PR	
WPW-4003E3456	85164	157.78	11264	N	1/5	2.10	PR	
WPW-4003E4567	87306	145.80	11264	N	1/5	2.00	PR	
WPW-4003E45673	87305	157.78	11264	N	1/5	2.10	PR	
WPW-4004E345	85041	157.78	11264	N	1	2.00	PR	
WPW-4004E3456	85170	169.37	11264	N	1/5	2.10	PR	
WPW-4004E4567	87308	157.78	11264	N	1/5	2.50	PR	
WPW-4004E45673	87307	169.37	11264	N	1/5	2.60	PR	
WPW-4004F3456	87310	157.78	11264	N	1/5	3.00	PR	
WPW-4004F34563	87309	169.37	11264	N	1	3.10	PR	
WRACL-2363	86600	124.81	11264	N	1		PR	
WRACL-2364	86601	134.84	11264	N	1		PR	
WRACL-41063	86604	241.96	11264	N	1		PR	
WRACL-41064	86605	271.46	11264	N	1		PR	
WRACL-4863	86602	169.42	11264	N	1		PR	
WRACL-4864	86603	212.96	11264	N	1		PR	
WRACS-2363	86606	134.84	11264	N	1		PR	
WRACS-2364	86607	150.99	11264	N	1		PR	
WRACS-41063	86610	247.99	11264	N	1		PR	
WRACS-41064	86611	277.98	11264	N	1		PR	
WRACS-4863	86608	185.21	11264	N	1		PR	
WRACS-4864	86609	218.78	11264	N	1		PR	
WRATL-2363	86620	124.74	11264	N	1		PR	
WRATL-2364	86621	136.23	11264	N	1		PR	
WRATL-41063	86624	241.96	11264	N	1		PR	
WRATL-41064	86625	271.46	11264	N	1		PR	
WRATL-4863	86622	169.42	11264	N	1		PR	
WRATL-4864	86623	212.96	11264	N	1		PR	
WRATS-2363	86626	136.23	11264	N	1		PR	
WRATS-2364	86627	148.61	11264	N	1		PR	
WRATS-41063	86630	247.99	11264	N	1		PR	
WRATS-41064	86631	277.98	11264	N	1		PR	
WRATS-4863	86628	185.21	11264	N	1		PR	
WRATS-4864	86629	218.78	11264	N	1		PR	
WRJCL-4863	86632	116.88	11264	N	1		PR	
WRJCS-2364	86633	127.59	11264	N	1		PR	
WRJCS-2363	86634	127.59	11264	N	1		PR	
WRJCS-4864	86635	132.23	11264	N	1		PR	
WRJL-1063	86005	286.86	11264	N	1	3.20	PR	
WRJL-1064	86006	334.98	11264	N	1	3.70	PR	
WRJL-363	86001	99.82	11264	N	1	1.00	PR	
WRJL-364	86002	109.36	11264	N	1	1.10	PR	
WRJL-463	86003	152.69	11264	N	1	2.80	PR	
WRJL-464	86004	176.68	11264	N	1	3.00	PR	
WRJS-1063	86402	211.37	11264	N	1	3.20	PR	
WRJS-1064	86404	240.49	11264	N	1	3.70	PR	
WRJS-363	86394	109.86	11264	N	1	1.00	PR	
WRJS-364	86396	113.98	11264	N	1	1.10	PR	
WRJS-463	86398	168.69	11264	N	1	2.80	PR	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
WRJS-464	86400	182.25	11264	N	1	3.00	PR	
WRJXL-2363	86636	119.69	11264	N	1		PR	
WRJXL-2364	86637	128.63	11264	N	1		PR	
WRJXL-41063	86640	245.35	11264	N	1		PR	
WRJXL-41064	86641	274.85	11264	N	1		PR	
WRJXL-4863	86638	192.81	11264	N	1		PR	
WRJXL-4864	86639	216.25	11264	N	1		PR	
WRJXS-2363	86642	128.63	11264	N	1		PR	
WRJXS-2364	86643	133.26	11264	N	1		PR	
WRJXS-41063	86646	251.29	11264	N	1		PR	
WRJXS-41064	86647	280.79	11264	N	1		PR	
WRJXS-4863	86644	198.91	11264	N	1		PR	
WRJXS-4864	86645	222.17	11264	N	1		PR	
WRL-2363C	86660	114.57	11264	N	1		PR	
WRL-2363S	86662	112.32	11264	N	1		PR	
WRL-2364C	86661	126.57	11264	N	1		PR	
WRL-2364S	86663	118.51	11264	N	1		PR	
WRS-2363C	86664	126.57	11264	N	1		PR	
WRS-2363S	86666	118.31	11264	N	1		PR	
WRS-2364C	86665	126.74	11264	N	1		PR	
WRS-2364S	86667	126.98	11264	N	1		PR	
WRXL-363	86574	99.82	11264	N	1	1.10	PR	
WRXL-364	86013	109.01	11264	N	1	1.20	PR	
WRXS-363	86580	105.81	11264	N	1	1.10	PR	
WRXS-364	86582	111.48	11264	N	1	1.20	PR	
WRWACL-2363	86648	119.69	11264	N	1		PR	
WRWACL-2364	86649	119.69	11264	N	1		PR	
WRWACL-41063	86670	230.16	11264	N	1		PR	
WRWACL-41064	86671	258.66	11264	N	1		PR	
WRWACL-4863	86668	180.36	11264	N	1		PR	
WRWACL-4864	86669	208.86	11264	N	1		PR	
WRWACS-41063	86674	241.96	11264	N	1		PR	
WRWACS-41064	86675	271.46	11264	N	1		PR	
WRWACS-4863	86672	169.42	11264	N	1		PR	
WRWACS-4864	86673	212.96	11264	N	1		PR	
WRWATL-2363	86650	114.97	11264	N	1		PR	
WRWATL-2364	86651	129.96	11264	N	1		PR	
WRWATL-41063	86686	230.16	11264	N	1		PR	
WRWATL-41064	86687	258.66	11264	N	1		PR	
WRWATL-4863	86684	165.56	11264	N	1		PR	
WRWATL-4864	86685	208.86	11264	N	1		PR	
WRWATS-41063	86690	241.96	11264	N	1		PR	
WRWATS-41064	86691	271.46	11264	N	1		PR	
WRWATS-4863	86688	169.42	11264	N	1		PR	
WRWATS-4864	86689	212.96	11264	N	1		PR	
WRWJCL-2363	86652	106.29	11264	N	1		PR	
WRWJCL-2364	86653	112.23	11264	N	1		PR	
WRWJL-1063	86011	286.86	11264	N	1	3.50	PR	
WRWJL-1064	86012	329.14	11264	N	1	3.70	PR	
WRWJL-363	86007	99.82	11264	N	1	1.20	PR	
WRWJL-364	86008	93.87	11264	N	1	1.30	PR	
WRWJL-463	86009	140.88	11264	N	1	3.00	PR	
WRWJL-464	86010	170.19	11264	N	1	3.50	PR	
WRWJS-1063	87058	286.44	11264	N	1	3.50	PR	
WRWJS-1064	87060	334.97	11264	N	1	3.70	PR	
WRWJS-363	87050	93.87	11264	N	1	1.10	PR	
WRWJS-364	87052	99.82	11264	N	1	1.20	PR	
WRWJS-463	87054	152.69	11264	N	1	3.50	PR	
WRWJS-464	87056	176.23	11264	N	1	3.70	PR	
WRWJXL-2363	86654	107.32	11264	N	1		PR	
WRWJXL-2364	86655	113.24	11264	N	1		PR	
WRWJXL-41063	86694	230.16	11264	N	1		PR	
WRWJXL-41064	86695	258.66	11264	N	1		PR	
WRWJXL-4863	86692	186.75	11264	N	1		PR	
WRWJXL-4864	86693	216.97	11264	N	1		PR	

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WRWJXS-41003	86698	245.35	11264	N	1		PR	
WRWJXS-41004	86699	274.85	11264	N	1		PR	
WRWJXS-4003	86696	192.81	11264	N	1		PR	
WRWJXS-4004	86697	215.25	11264	N	1		PR	
WRWL-2303C	86656	102.80	11264	N	1		PR	
WRWL-2303S	86658	106.54	11264	N	1		PR	
WRWL-2304C	86657	106.72	11264	N	1		PR	
WRWL-2304S	86659	106.47	11264	N	1		PR	
WRWSL-303	86014	88.04	11264	N	1	1.10	PR	
WRWSL-304	86015	93.97	11264	N	1	1.20	PR	
WRWSS-303	87302	93.97	11264	N	1	1.10	PR	
WRWSS-304	87304	96.62	11264	N	1	1.20	PR	
25XFS-100-100N3	89828	1016.56	7550	N	1	37.50	DE	
25XFS-100-30N3	89820	1348.21	7550	N	1	37.50	DE	
25XFS-100-60N3	89824	1389.56	7550	N	1	37.50	DE	
25XFS-200-100N3	89832	1995.72	7550	N	1	134.00	DE	
25XFS-30-30N3	89810	1251.21	7550	N	1	32.50	DE	
25XFS-30-60N3	89812	1291.46	7550	N	1	32.50	DE	
25XFS-60-100N3	89818	1822.83	7550	N	1	37.50	DE	
25XFS-60-30N3	89814	1265.49	7550	N	1	32.50	DE	
25XFS-60-60N3	89816	1306.85	7550	N	1	32.50	DE	
25XFSW200-200N3	89852	4292.75	7550	N	1	184.00	DE	
25XFSW400-200N3	89854	4726.49	7550	N	1	284.00	DE	
60XFS-100-100J3	89849	1965.09	7550	N	1	37.50	DE	
60XFS-100-100N3	89846	1924.83	7550	N	1	37.50	DE	
60XFS-200-100J3	89853	2942.99	7550	N	1	134.00	DE	
60XFS-200-100N3	89850	2913.45	7550	N	1	134.00	DE	
60XFS-30-30J3	89833	1276.22	7550	N	1	134.00	DE	
60XFS-30-30N3	89834	1269.77	7550	N	1	32.50	DE	
60XFS-30-60J3	89835	1312.75	7550	N	1	32.50	DE	
60XFS-30-60N3	89836	1302.12	7550	N	1	32.50	DE	
60XFS-60-100J3	89843	1844.48	7550	N	1	32.50	DE	
60XFS-60-100N3	89842	1832.66	7550	N	1	32.50	DE	
60XFS-60-30J3	89839	1286.76	7550	N	1	32.50	DE	
60XFS-60-30N3	89838	1272.58	7550	N	1	32.50	DE	
60XFS-60-60J3	89841	1326.94	7550	N	1	32.50	DE	
60XFS-60-60N3	89840	1315.12	7550	N	1	32.50	DE	
60XFSW200-200J3	89856	3997.55	7550	N	1	184.00	DE	
60XFSW200-200N3	89858	4037.05	7550	N	1	184.00	DE	
60XFSW400-200N3	89860	4822.55	7550	N	1	284.00	DE	
X-10	89000	10.07	9366	N	1	1.00	C	
X-11	88999	35.99	9366	N	1	1.30	C	
X-12	88998	45.29	9366	N	1/5	1.60	C	
X17	01160	7.53	15211	A	5	1.50	F	Å
X17SA	08058	7.86	15201	A	5	0.56	F	
X18	48145	8.56	15218	A	5	1.70	F	Å
X27	01161	9.32	15211	A	5	2.00	F	Å
X27SA	08059	9.24	15201	A	5	0.74	F	
X28	48146	10.50	15218	A	5	2.10	F	Å
X37	01162	12.02	15211	A	2	2.50	F	Å
X37SA	08060	12.84	15201	A	2	1.00	F	
X38	48147	14.50	15218	A	2	3.20	F	Å
X44B	48148	19.89	15219	B	1	4.10	F	Å
X47	01163	15.07	15212	A	1	3.50	F	Å
X47SA	08061	17.94	15202	A	1	1.20	F	
X57	01164	23.29	15212	A	1	4.00	F	Å
X57SA	08062	22.36	15202	A	1	1.70	F	
X58	48149	32.89	15219	B	1	5.90	F	Å
X-60	87600	28.25	9366	N	1	1.00	C	
X-61	87601	66.27	9366	N	1	1.00	C	
X-62	87602	61.52	9366	N	1	1.00	C	
X-64	87604	48.22	9366	N	1	1.00	C	
X-65	88997	66.32	9366	N	1	1.00	C	
X67	01165	49.41	15212	A	1	5.50	F	Å
X67SA	08063	39.32	15202	A	1	2.40	F	

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X68	48150	54.60	15219	B	1	9.50	F	Å
X-83	88996	74.02	9366	N	1	4.00	C	
X-84	87606	123.39	9150	N	1	4.00	C	
X-85	87607	136.47	9366	N	1	4.00	C	
XAB-463	88117	433.43	9370	N	1		C	
XAB-KIT	88118	144.59	9370	N	1		C	
XAL-456	88040	257.23	9370	N	1	4.50	C	
XAL-53	88038	243.72	9370	N	1	3.00	C	
XALB-4	88001	165.06	16180	B	5	3.02	F	
XALB-5	88002	155.18	16180	B	5	2.92	F	
XALB-6	88003	161.31	16180	B	1	5.70	F	
XALB-7	88004	333.50	16180	C	1	15.50	F	
XALB-8	88005	349.82	16180	C	1	15.40	F	
XAS-53	88039	321.86	9370	N	1		C	
XB-12126	88514	898.66	1325	N	1	44.00	E	
XB-12128	88513	982.57	1325	N	1	63.00	E	
XB-12129	88516	962.85	1325	N	1	70.00	E	
XB-12166	88518	1348.59	1325	N	1	92.00	E	
XB-12246	88520	1358.95	1325	N	1	108.00	E	
XB-12248	88521	1571.42	1325	N	1	136.00	E	
XB-444	88498	187.97	1325	N	1	7.30	E	
XB-464	88500	216.84	1325	N	1	9.30	E	
XB-484	88501	272.37	1325	N	1	12.00	E	
XB-486	88502	305.68	1325	N	1	13.50	E	
XB-8166	88512	808.21	1325	N	1	31.00	E	
XB-484	88504	469.53	1325	N	1	22.80	E	
XB-486	88506	484.84	1325	N	1	27.00	E	
XC-1	89001	22.10	16180	A	5	0.76	F	
XC-2	89002	25.63	16180	A	5	0.92	F	
XC-3	89003	38.92	16180	B	1/5	1.40	F	
XCS-0610	89004	128.06	9366	N	1	1.70	C	
XCS-063	89046	157.92	9366	N	1	1.50	C	
XCS-069	89048	185.85	9366	N	1	1.60	C	
XCS-081	89005	89.22	9366	N	1	1.40	C	
XCS-0813-C	89025	97.85	9366	N	1	1.50	C	
XCS-0813-O	89026	97.85	9366	N	1	1.50	C	
XCS-0813-U	89027	112.85	9366	N	1	1.50	C	
XCS-082	89006	89.22	9366	N	1	1.40	C	
XCS-0824-CL	89028	79.71	9366	N	1	1.40	C	
XCS-0824-GL	89029	79.71	9366	N	1	1.40	C	
XCS-0824-RL	89012	79.71	9366	N	1	1.40	C	
XCS-083	89007	81.75	9366	N	1	1.40	C	
XCS-0830-CL	89035	186.43	9366	N	1	1.60	C	
XCS-0830-GL	89037	186.43	9366	N	1	1.60	C	
XCS-0830-RL	89022	186.43	9366	N	1	1.60	C	
XCS-0830RL-GL	89099	186.43	9366	N	1	1.60	C	Å
XCS-0830-RL-GL	89034	186.43	9366	N	1		C	
XCS-084	89008	98.48	9366	N	1	1.50	C	
XCS-084-U	89024	116.00	9366	N	1	1.60	C	
XCS-085	89009	98.48	9366	N	1	1.50	C	
XCS-087	89011	116.98	9366	N	1	1.50	C	
XCS-0824L	89043	112.19	9366	N	1	1.60	C	
XCS-0826	89045	149.98	9366	N	1	1.60	C	
XCS-0826F220	89103	166.02	9366	N	1	1.60	C	Å
XCS-083C4	89047	112.19	9366	N	1	1.60	C	
XCS-0830	89049	149.98	9366	N	1	1.60	C	
XCS-0830A8320	89105	166.02	9366	N	1	1.60	C	Å
XCS-0830B8320	89107	166.02	9366	N	1	1.60	C	Å
XCS-0830C8320	89109	166.02	9366	N	1	1.60	C	Å
XCS-0830D	89032	222.58	9366	N	1	2.00	C	
XCS-082A1	89013	98.48	9366	N	1	1.60	C	
XCS-082A5	89014	119.38	9366	N	1	1.60	C	
XCS-0821SF	89110	122.78	9366	N	1	1.60	C	Å
XCS-083C4	89015	98.48	9366	N	1	1.60	C	
XCS-0830	89016	119.38	9366	N	1	1.60	C	

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XCS-0530L6G	89111	122.79	9366	N	1	1.60	C	Å
XCS-0530R6G	89112	122.79	9366	N	1	1.60	C	Å
XCS-0530R6G	89113	122.79	9366	N	1	1.60	C	Å
XCS-16B150-RL	89354	334.18	9366	N	2	9.60	C	
XCS-16B17-RL	89395	351.59	9366	N	2	9.60	C	
XCS-16B185RL	89397	363.47	9366	N	1		C	
XCS-1A15	89061	148.87	9366	N	1	2.90	C	
XCS-1A6	89057	177.61	9366	N	1	2.70	C	
XCS-1A9	89059	285.84	9366	N	1	2.80	C	
XCS-1B1	89052	90.91	9366	N	1	2.60	C	
XCS-1B13-0	89069	118.44	9366	N	1	2.70	C	
XCS-1B13-C	89067	118.44	9366	N	1	2.70	C	
XCS-1B13-U	89071	133.98	9366	N	1	2.70	C	
XCS-1B2	89054	90.91	9366	N	1	2.60	C	
XCS-1B24-CL	89064	91.58	9366	N	1	2.60	C	
XCS-1B24-GL	89073	91.58	9366	N	1	2.60	C	
XCS-1B24-RL	89066	91.58	9366	N	1	2.60	C	
XCS-1B3	89056	102.95	9366	N	1	2.60	C	
XCS-1B30-CL	89068	127.22	9366	N	1	2.80	C	
XCS-1B30-GL	89075	127.22	9366	N	1	2.80	C	
XCS-1B30-RL	89070	127.22	9366	N	1	2.80	C	
XCS-1B30RL-GL	89114	127.22	9366	N	1	2.80	C	Å
XCS-1B4	89017	111.27	9366	N	1	2.70	C	
XCS-1B4-U	89065	137.70	9366	N	1	2.80	C	
XCS-1B5	89058	111.27	9366	N	1	2.70	C	
XCS-1B7	89062	137.70	9366	N	1	2.70	C	
XCS-1B2A1	89072	132.66	9366	N	1	2.80	C	
XCS-1B3C4	89074	132.66	9366	N	1	2.80	C	
XCS-1B2A1	89076	111.27	9366	N	1	2.80	C	
XCS-1B3C4	89078	111.27	9366	N	1	2.80	C	
XCS-2A15	89083	149.16	9366	N	1	2.90	C	
XCS-2A6	89080	178.09	9366	N	1	2.70	C	
XCS-2A9	89082	285.13	9366	N	1	2.80	C	
XCS-2B1	89084	90.36	9366	N	1	2.60	C	
XCS-2B13-C	89089	118.73	9366	N	1	2.70	C	
XCS-2B13-0	89091	118.73	9366	N	1	2.70	C	
XCS-2B13-U	89093	133.94	9366	N	1	2.70	C	
XCS-2B2	89086	90.36	9366	N	1	2.60	C	
XCS-2B24-CL	89094	91.79	9366	N	1	2.60	C	
XCS-2B24-GL	89095	91.79	9366	N	1	2.60	C	
XCS-2B24-RL	89096	91.79	9366	N	1	2.60	C	
XCS-2B3	89087	102.83	9366	N	1	2.60	C	
XCS-2B30-CL	89098	127.51	9366	N	1	2.80	C	
XCS-2B30-GL	89097	127.51	9366	N	1	2.80	C	
XCS-2B30-RL	89100	127.51	9366	N	1	2.80	C	
XCS-2B30RL-GL	89115	127.51	9366	N	1	2.80	C	Å
XCS-2B4	89018	111.86	9366	N	1	2.70	C	
XCS-2B4-U	89077	137.99	9366	N	1	2.80	C	
XCS-2B5	89088	111.56	9366	N	1	2.70	C	
XCS-2B7	89092	137.99	9366	N	1	2.70	C	
XCS-2C2A1	89102	133.29	9366	N	1	2.80	C	
XCS-2C3C4	89104	133.29	9366	N	1	2.80	C	
XCS-2B2A1	89106	111.56	9366	N	1	2.80	C	
XCS-2B3C4	89108	111.56	9366	N	1	2.80	C	
XCS-42C2A5	89382	166.81	9366	N	1	4.30	C	
XCS-42C2L3F22D	89434	216.49	9366	N	1	4.30	C	
XCS-42C3C5	89384	196.81	9366	N	1	4.30	C	
XCS-42C3L6G32D	89435	216.49	9366	N	1	4.30	C	
XCS-42C3N6G32D	89436	216.49	9366	N	1	4.30	C	
XCS-42C3R6G32D	89437	216.49	9366	N	1	4.30	C	
XCS-42S2A5	89438	175.16	9366	N	1	4.30	C	
XCS-42S2L3F	89439	178.65	9366	N	1	4.30	C	
XCS-42S3C5	89386	175.16	9366	N	1	4.30	C	
XCS-42S3L6G	89440	178.65	9366	N	1	4.30	C	
XCS-42S3N6G	89441	178.65	9366	N	1	4.30	C	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
XCS-42S3R6G	89442	178.65	9366	N	1	4.30	C	
XCS-44S3R6G	89458	198.58	9366	N	1	4.30	C	
XCS-45K2A5	89404	209.43	9366	N	1	4.30	C	
XCS-45K2L3F22D	89459	228.19	9366	N	1	4.30	C	
XCS-45K3C5	89406	209.43	9366	N	1	4.30	C	
XCS-45K3L6G32D	89460	228.19	9366	N	1	4.30	C	
XCS-45K3N6G32D	89461	228.19	9366	N	1	4.30	C	
XCS-45K3R6G32D	89462	228.19	9366	N	1	4.30	C	
XCS-45L3N6G32D		228.19	9366	N	1	4.30	C	
XCS-45S2A5	89408	187.78	9366	N	1	4.30	C	
XCS-45S2L3F	89463	198.58	9366	N	1	4.30	C	
XCS-45S3C5	89410	187.78	9366	N	1	4.30	C	
XCS-45S3L6G	89464	198.58	9366	N	1	4.30	C	
XCS-45S3N6G	89465	198.58	9366	N	1	4.30	C	
XCS-45S3R6G	89466	198.58	9366	N	1	4.30	C	
XCS-4X15	89129	148.87	9366	N	1	3.00	C	
XCS-4A6	89144	177.61	9366	N	1	2.80	C	
XCS-4A9	89146	285.84	9366	N	1	2.90	C	
XCS-4B1	89148	90.91	9366	N	1	2.70	C	
XCS-4B13-C	89135	118.44	9366	N	1	2.80	C	
XCS-4B13-0	89137	118.44	9366	N	1	2.80	C	
XCS-4B13-U	89139	133.98	9366	N	1	2.80	C	
XCS-4B2	89150	90.91	9366	N	1	2.70	C	
XCS-4B24-CL	89160	91.58	9366	N	1	2.70	C	
XCS-4B24-GL	89141	91.58	9366	N	1	2.70	C	
XCS-4B24-RL	89162	91.58	9366	N	1	2.70	C	
XCS-4B3	89152	102.95	9366	N	1	2.70	C	
XCS-4B30-CL	89164	127.22	9366	N	1	2.90	C	
XCS-4B30-GL	89143	127.22	9366	N	1	2.90	C	
XCS-4B30-RL	89166	127.22	9366	N	1	2.90	C	
XCS-4B30RL-GL	89116	127.22	9366	N	1	2.90	C	Å
XCS-4B4	89019	111.27	9366	N	1	2.80	C	
XCS-4B4-U	89133	137.70	9366	N	1	2.90	C	
XCS-4B5	89154	111.27	9366	N	1	2.80	C	
XCS-4B7	89158	137.70	9366	N	1	2.80	C	
XCS-4C2A1	89168	132.97	9366	N	1	2.90	C	
XCS-4C3C4	89170	132.97	9366	N	1	2.90	C	
XCS-4B2A1	89172	111.27	9366	N	1	2.90	C	
XCS-4B3C4	89174	111.27	9366	N	1	2.90	C	
XCS-4B10	89151	159.18	9366	N	1	3.00	C	
XCS-4A6	89176	179.87	9366	N	1	2.80	C	
XCS-4A9	89178	287.10	9366	N	1	2.90	C	
XCS-4B1	89180	91.27	9366	N	1	2.70	C	
XCS-4B13-C	89157	119.78	9366	N	1	2.80	C	
XCS-4B13-0	89159	119.78	9366	N	1	2.80	C	
XCS-4B13-U	89161	134.97	9366	N	1	2.80	C	
XCS-4B2	89182	91.27	9366	N	1	2.70	C	
XCS-4B24-CL	89192	92.70	9366	N	1	2.70	C	
XCS-4B24-GL	89163	92.70	9366	N	1	2.70	C	
XCS-4B24-RL	89194	92.70	9366	N	1	2.70	C	
XCS-4B3	89184	103.86	9366	N	1	2.70	C	
XCS-4B30-CL	89196	128.48	9366	N	1	2.90	C	
XCS-4B30-GL	89165	128.48	9366	N	1	2.90	C	
XCS-4B30-RL	89198	128.48	9366	N	1	2.90	C	
XCS-4B30RL-GL	89117	128.48	9366	N	1	2.90	C	Å
XCS-4B4	89020	112.53	9366	N	1	2.80	C	
XCS-4B4-U	89155	138.99	9366	N	1	2.90	C	
XCS-4B5	89186	112.53	9366	N	1	2.80	C	
XCS-4B7	89190	138.99	9366	N	1	2.80	C	
XCS-4C2A1	89200	134.22	9366	N	1	2.90	C	
XCS-4C3C4	89202	134.22	9366	N	1	2.90	C	
XCS-4B2A1	89204	112.53	9366	N	1	2.90	C	
XCS-4B3C4	89206	112.53	9366	N	1	2.90	C	
XCSLED-A11B	89486	46.62	9370	N	1		C	
XCSLED-B11B	89485	46.62	9370	N	1		C	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
XCSLED-9119	89484	40.62	9370	N	1		C	
XCSHP79	89208	3.83	9366	N	1	0.02	C	Å
XCSHP79M	89209	3.83	9366	N	1	0.02	C	Å
XCSHP7L	89210	3.83	9366	N	1	0.02	C	Å
XCSHP582	89211	3.83	9366	N	1	0.02	C	Å
XCSHP583	89212	3.83	9366	N	1	0.02	C	Å
XD6R	89600	5.78	9366	N	1		C	
XD6G	89602	5.78	9366	N	1		C	
XD6R	89604	5.78	9366	N	1		C	
XD6RGC	89610	1811.33	7150	N	1	95.00	DE	
XDS-2003	89612	2361.27	7550	N	1		DE	
XDS-2003A	89613	2429.81	7550	N	1	95.00	DE	
XECD-1501	89720	595.88	7150	N	1	12.00	DE	
XECD-1502	89721	660.19	7150	N	1	13.50	DE	
XECF-2001	89724	653.86	7150	N	1	12.00	DE	
XECD-2002	89725	696.19	7150	N	1	13.50	DE	
XECD-3001	89728	595.88	7150	N	1	12.00	DE	
XECD-3002	89729	660.19	7150	N	1	13.50	DE	
XECD-4001	89732	595.88	7150	N	1	12.00	DE	
XECD-4002	89733	660.19	7150	N	1	13.50	DE	
XECD-46	89702	478.44	7150	N	1	10.50	DE	
XECF-1001A1		966.69	7150	N	1		DE	
XECF-1002A3	89739	921.39	7150	N	1	16.50	DE	
XECF-1002A2	89740	891.19	7150	N	1	15.50	DE	
XECF-1002A3	89741	966.69	7150	N	1	17.00	DE	
XECF-2002A3	89743	921.39	7150	N	1	16.50	DE	
XECF-2002A2	89744	891.19	7150	N	1	15.50	DE	
XECF-2002A3	89745	966.69	7150	N	1	17.00	DE	
XECF-4001A3	89747	921.39	7150	N	1	16.50	DE	
XECF-4002A2	89748	891.19	7150	N	1	15.50	DE	
XECF-4002A3	89749	966.69	7150	N	1	17.00	DE	
XECF-4004A3	89751	921.39	7150	N	1	16.50	DE	
XECF-4004A2	89752	891.19	7150	N	1	15.50	DE	
XECF-4004A3	89753	966.69	7150	N	1	17.00	DE	
XECF-4A	89708	585.51	7150	N	1	12.50	DE	
XECF-1004A1	89630	658.69	7150	N	1	21.70	DE	
XECF-1004A2	89772	978.11	7150	N	1	23.50	DE	
XECF-1004A3	89773	1063.12	7150	N	1	25.00	DE	
XECF-1006A2	89774	1045.79	7150	N	1	22.20	DE	
XECF-1006A3	89775	1159.46	7150	N	1	25.00	DE	
XECF-2004A1	89695	643.36	7150	N	1	21.70	DE	
XECF-2004A2	89696	966.16	7150	N	1	23.50	DE	
XECF-2004A3	89697	943.26	7150	N	1	25.00	DE	
XECF-2006A2	89698	1045.79	7150	N	1	22.20	DE	
XECF-2006A3	89699	1159.46	7150	N	1	25.00	DE	
XECF-4004A1	89638	654.99	7150	N	1	21.70	DE	
XECF-4004A2	89631	966.16	7150	N	1	23.50	DE	
XECF-4004A3	89633	978.19	7150	N	1	25.00	DE	
XECF-4006A2	89625	1058.41	7150	N	1	22.20	DE	
XECF-4006A3	89627	1130.73	7150	N	1	25.00	DE	
XECF-6A	89714	599.64	7150	N	1	20.00	DE	
XECF-7004A1	89639	658.69	7150	N	1	21.70	DE	
XECF-7004A2	89760	978.11	7150	N	1	23.50	DE	
XECF-7004A3	89761	1063.12	7150	N	1	25.00	DE	
XECF-7006A2	89762	1045.79	7150	N	1	22.20	DE	
XECF-7006A3	89763	1159.46	7150	N	1	25.00	DE	
XECF-8004A1	89640	658.69	7150	N	1	21.70	DE	
XECF-8004A2	89632	978.11	7150	N	1	23.50	DE	
XECF-8004A3	89634	1063.12	7150	N	1	25.00	DE	
XECF-8006A2	89626	1045.79	7150	N	1	22.20	DE	
XECF-8006A3	89628	1159.46	7150	N	1	25.00	DE	
XECF-9004A1	89629	658.69	7150	N	1	21.70	DE	
XECF-9004A2	89766	978.11	7150	N	1	23.50	DE	
XECF-9004A3	89767	1063.12	7150	N	1	25.00	DE	
XECF-9006A2	89768	1045.79	7150	N	1	22.20	DE	

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XECF-9006A3	89769	1159.46	7150	N	1	25.00	DE	
XEDS-169	89808	969.92	7550	N	1	21.50	DE	
XEDS-169A	89809	1117.33	7550	N	1	21.50	DE	
XEDS-169AA	89805	1212.32	7550	N	1		DE	
XEDS-36	89798	796.89	7550	N	1	14.00	DE	
XEDS-36A	89799	863.53	7550	N	1	14.00	DE	
XEDS-36AA	89803	965.92	7550	N	1	20.00	DE	
XEDS-69	89806	929.25	7550	N	1	20.50	DE	
XEDS-69A	89807	994.85	7550	N	1	20.50	DE	
XEDS-69AA	89804	1093.99	7550	N	1		DE	
XEDS-A	89796	569.80	7550	N	1	11.00	DE	
XEDS-B	89797	616.60	7550	N	1	17.00	DE	
XFH-21	89800	52.67	5901	N	5/25	1.94	L	
XFH-22	89802	52.67	5901	N	5/25	1.94	L	
XHL-100	89899	284.36	5136	N	1	4.00	L	
XHLF25	89897	366.69	5136	N	1		L	
XHLF25-SHIP	89898	462.80	5136	N	1		L	
XHLG	89901	63.60	5136	N	1	1.00	L	
XHLGL	89900	87.96	5136	N	1	1.00	L	
XHLS	89902	31.39	5136	N	1	0.50	L	
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]	90032	1292.53	1325	N	1	73.00	E	
XJB-1[illegible]	90034	1555.84	1325	N	1	88.00	E	
XJB-1[illegible]								¿
XJB-1[illegible]	90036	1401.09	1325	N	1	95.00	E	
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]	90042	1699.39	1325	N	1	107.00	E	
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]	90050	2845.98	1325	N	1	157.00	E	
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]								¿
XJB-1[illegible]	90098	1768.94	1325	N	1	109.00	E	
XJB-1[illegible]	90056	1565.73	1325	N	1	94.00	E	
XJB-1[illegible]	90058	1683.23	1325	N	1	101.00	E	
XJB-1[illegible]	90100	2622.37	1325	N	1	162.00	E	
XJB-1[illegible]	90060	2261.40	1325	N	1	140.00	E	
XJB-1[illegible]	90062	2462.86	1325	N	1	152.00	E	
XJB-1[illegible]	90102	3429.23	1325	N	1	215.00	E	
XJB-1[illegible]	90064	2714.76	1325	N	1	166.00	E	
XJB-1[illegible]	90066	3052.76	1325	N	1	190.00	E	
XJB-1[illegible]								¿
XJB-1[illegible]	90106	5282.87	1325	N	1	368.00	E	
XJB-1[illegible]	90108	5564.37	1325	N	1	389.00	E	
XJB-1[illegible]	90072	5168.96	1325	N	1	344.00	E	
XJB-1[illegible]	90110	3852.73	1325	N	1	214.00	E	
XJB-1[illegible]								¿
XJB-1[illegible]	90076	2988.78	1325	N	1	200.00	E	
XJB-1[illegible]	90112	4216.49	1325	N	1	282.00	E	
XJB-1[illegible]	90080	3743.77	1325	N	1	268.00	E	
XJB-1[illegible]	90114	3938.28	1325	N	1	281.00	E	
XJB-1[illegible]	90116	3576.68	1325	N	1	245.00	E	
XJB-2[illegible]	90118	3731.81	1325	N	1	246.00	E	
XJB-2[illegible]	90120	3983.24	1325	N	1	270.00	E	
XJB-2[illegible]	90122	4198.65	1325	N	1	298.00	E	
XJB-2[illegible]	90082	3208.13	1325	N	1	198.00	E	
XJB-2[illegible]	90084	3452.48	1325	N	1	221.00	E	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
XJB-306816								¿
XJB-5104	90000	335.88	1325	N	1	15.00	E	
XJB-5105	90002	369.97	1325	N	1	18.00	E	
XJB-5106	90004	388.44	1325	N	1	20.00	E	
XJB-5133	90006	388.04	1325	N	1	20.00	E	
XJB-5135	90007	428.45	1325	N	1	22.00	E	
XJB-5136	90008	456.16	1325	N	1	25.00	E	
XJB-5186								¿
XJB-6104	90014	466.76	1325	N	1	21.00	E	
XJB-6105	90016	497.39	1325	N	1	23.00	E	
XJB-6106	90018	526.98	1325	N	1	25.00	E	
XJB-6104	90019	617.47	1325	N	1	25.00	E	
XJB-6105	90021	617.93	1325	N	1	26.00	E	
XJB-6106	90020	540.44	1325	N	1	28.00	E	
XJB-6136	90022	636.16	1325	N	1	36.00	E	
XJB-61616								¿
XJB-6156	90906	675.41	1325	N	1	41.00	E	
XJB-6158	90023	724.85	1325	N	1	51.00	E	
XJB-61810	90087	1007.31	1325	N	1	70.00	E	
XJB-6186	90024	823.61	1325	N	1	48.00	E	
XJB-6188	90025	907.63	1325	N	1	57.00	E	
XJB-8216								¿
XLR-1	91001	22.83	16180	A	5/25	0.80	F	
XLR-2	91002	25.03	16180	A	5/25	0.96	F	
XLR-3	91003	30.52	16180	B	1	1.50	F	
XLL-1	91004	21.66	16180	A	5/25	0.76	F	
XLL-2	91005	25.24	16180	A	5/25	0.96	F	
XLL-3	91006	30.81	16180	B	1/5	1.50	F	
XL0A	91100	12.35	9366	N	1	0.50	C	
XL0B	91102	12.35	9366	N	1		C	
XLR-1	91007	21.66	16180	A	5/25	0.76	F	
XLR-2	91008	25.24	16180	A	5/25	0.96	F	
XLR-3	91009	30.81	16180	B	1/5	1.60	F	
XLRT-21	91200	35.22	16180	N	5/25	1.04	F	
XMSW-0BT	91250	283.28	9616	N	1	20.00	C	
XMSW-0BT	91252	306.59	9616	N	1	20.00	C	
XMSW-0CT	91254	306.53	9616	N	1	20.00	C	
XMSW-1BT	91256	435.62	9616	N	1	20.00	C	
XMSW-1CT	91258	456.72	9616	N	1	20.00	C	
XMSW-0BT	91260	562.90	9616	N	1	20.00	C	
XMCS-0A15 (USE XCS-0A15)								
XMCS-0A8 (USE XCS-0A8)								
XMCS-0A9 (USE XCS-0A9)								
XMCS-0B1 (USE XCS-0B1)								
XMCS-0B13-C (USE XCS-0B13-C)								
XMCS-0B13-O (USE XCS-0B13-O)								
XMCS-0B13-U (USE XCS-0B13-U)								
XMCS-0B2 (USE XCS-0B2)								
XMCS-0B24CL (USE XCS-0B24CL)								
XMCS-0B24GL (USE XCS-0B24GL)								
XMCS-0B24RL (USE XCS-0B24RL)								
XMCS-0B3 (USE XCS-0B3)								
XMCS-0B30CL (USE XCS-0B30CL)								
XMCS-0B30GL (USE XCS-0B30GL)								
XMCS-0B30RL (USE XCS-0B30RL)								
XMCS-0B4 (USE XCS-0B4)								
XMCS-0B4-U (USE XCS-0B4-U)								
XMCS-0B5 (USE XCS-0B5)								
XMCS-0B7 (USE XCS-0B7)								
XMCS-0S2A1 (USE XCS-0S2A1)								
XMCS-0S2A5 (USE XCS-0S2A5)								
XMCS-0S3C4 (USE XCS-0S3C4)								
XMCS-0S3C5 (USE XCS-0S3C5)								
XNS-1C	91334	37.20	9366	N	1	1.00	C	
XNS-1D	91335	37.20	9366	N	1	1.00	C	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
XNS-2C	91337	37.20	9366	N	1	1.00	C	
XNS-2D	91338	37.20	9366	N	1	1.00	C	
XNS-3C	91340	37.20	9366	N	1	1.00	C	
XNS-5C	91345	37.20	9366	N	1	1.00	C	
XNS-6C	91347	37.20	9366	N	1	1.00	C	
XNS-7C	91349	37.20	9366	N	1	1.00	C	
XNS-8C	91350	37.20	9366	N	1	1.00	C	
XNTS-1C								¿
XNTS-2C								¿
XO1AG	91450	13.56	9366	N	1	0.40	C	
XO1AK	91451	13.56	9366	N	1	0.40	C	
XO1AM	91452	13.56	9366	N	1	0.40	C	
XO1BG	91453	13.56	9366	N	1	0.40	C	
XO1BK	91454	13.56	9366	N	1	0.40	C	
XO1BM	91455	13.56	9366	N	1	0.40	C	
XO2AG	91462	25.46	9366	N	1	0.40	C	
XO2AK	91464	25.46	9366	N	1	0.40	C	
XO2BG	91466	25.46	9366	N	1	0.40	C	
XO2BK	91467	25.46	9366	N	1	0.40	C	
XO4AG	91468	13.56	9366	N	1	0.40	C	
XO4AK	91469	13.56	9366	N	1	0.40	C	
XO4AM	91470	13.56	9366	N	1	0.40	C	
XO4BG	91471	13.56	9366	N	1	0.40	C	
XO4BK	91472	13.56	9366	N	1	0.40	C	
XO4BM	91473	13.56	9366	N	1	0.40	C	
XO6AG	91477	19.76	9366	N	1	0.40	C	
XO6AK	91478	19.76	9366	N	1	0.40	C	
XO6AM	91479	19.76	9366	N	1	0.40	C	
XSBP	91400	11.25	9366	N	1		C	
XS-1C	92500	62.86	9366	N	1	1.10	C	
XS-1D	92502	78.71	9366	N	1	1.10	C	
XS-2C	92506	56.69	9366	N	1	1.10	C	
XS-2D	92508	71.04	9366	N	1	1.10	C	
XS-4C	92512	58.66	9366	N	1	1.10	C	
XS-5C	92513	88.34	9366	N	1	2.00	C	
XS-6C	92522	68.18	9366	N	1	1.10	C	
XS-6D	92526	77.19	9366	N	1	1.10	C	
XS-7C	92528	102.40	9366	N	1	2.00	C	
XS-8C	92532	119.36	9366	N	1	1.10	C	
XS-11C	93014	73.82	9366	N	1	2.40	C	
XS-11D	92534	91.58	9366	N	1	2.40	C	
XS-12C	93016	76.86	9366	N	1	2.40	C	
XS-12D	92538	97.80	9366	N	1	2.40	C	
XS-13C	93018	78.86	9366	N	1	2.40	C	
XS-15C	92548	118.98	9366	N	1	2.40	C	
XS-16C	92552	97.98	9366	N	1	2.40	C	
XS-18C	93022	140.68	9366	N	1	2.40	C	
XS-21C	93024	73.86	9366	N	1	2.40	C	
XS-21D	92556	91.78	9366	N	1	2.40	C	
XS-22C	93026	77.14	9366	N	1	2.40	C	
XS-22D	92562	97.04	9366	N	1	2.40	C	
XS-23C	93028	79.10	9366	N	1	2.40	C	
XS-25C	92572	139.97	9366	N	1	2.40	C	
XS-26C	92576	96.62	9366	N	1	2.40	C	
XS-28C	93032	140.38	9366	N	1	2.40	C	
XS-31C	93044	79.82	9366	N	1	2.40	C	
XS-31D	92606	97.82	9366	N	1	2.40	C	
XS-32C	93046	78.86	9366	N	1	2.40	C	
XS-32D	92610	97.82	9366	N	1	2.40	C	
XS-33C	93048	78.86	9366	N	1	2.40	C	
XS-35C	92620	119.98	9366	N	1	2.40	C	
XS-36C	92624	97.98	9366	N	1	2.40	C	
XS-38C	93052	140.88	9366	N	1	2.40	C	
XS-41C	93054	74.86	9366	N	1	2.40	C	
XS-51D	92630	82.76	9366	N	1	2.40	C	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
XS-52C	93056	78.11	9366	N	1	2.40	C	
XS-52D	92634	98.91	9366	N	1	2.40	C	
XS-53C	93058	98.11	9366	N	1	2.40	C	
XS-55C	92644	121.24	9366	N	1	2.40	C	
XS-56C	92648	89.24	9366	N	1	2.40	C	
XS-58C	93062	141.35	9366	N	1	2.40	C	
XSD-01	93200	108.25	9616	N	1		C	
XSD-02	93202	117.58	9616	N	1		C	
XSD-11	93201	128.14	9616	N	1	2.40	C	
XSD-12	93203	136.47	9616	N	1	2.40	C	
XSD-21	93205	129.45	9616	N	1	2.40	C	
XSD-22	93207	138.75	9616	N	1	2.40	C	
XSD-41	93213	128.14	9616	N	1	2.40	C	
XSD-42	93215	136.47	9616	N	1	2.40	C	
XSD-61	93217	136.49	9616	N	1	2.40	C	
XSD-62	93219	136.73	9616	N	1	2.40	C	
XSX-2	93340	75.98	9616	N	1		C	
XSX-3	93341	153.86	9616	N	1	1.00	C	
XSX-12	93342	98.49	9616	N	1	2.40	C	
XSX-13	93343	173.96	9616	N	1	2.40	C	
XSX-22	93344	98.24	9616	N	1	2.40	C	
XSX-23	93345	174.24	9616	N	1	2.40	C	
XSX-42	93348	98.46	9616	N	1	2.40	C	
XSX-43	93349	173.96	9616	N	1	2.40	C	
XSX-62	93350	97.71	9616	N	1	2.40	C	
XSX-63	93351	174.22	9616	N	1	2.40	C	
XT-1	95001	22.18	16180	A	5	0.82	F	
XT-2	95002	25.80	16180	A	5/25	0.96	F	
XT-3	95003	44.21	16180	B	1/5	1.80	F	
XTA-14WR2883-1	94776	271.68	9370	N	1	5.00	C	
Y-1	97001	7.53	16150	A	10/50	0.28	F	
Y1RG	97006	1.21	16150	N	5		F	
Y-2	97002	8.48	16150	A	5/25	0.36	F	
Y2RG	97007	1.89	16150	N	5		F	
Y-3	97003	10.37	16150	A	5/25	0.60	F	
Y3RG	97008	2.18	16150	N	5		F	
Y-4	97004	22.88	16150	B	2/10	1.40	F	
Y4SRG	97009	2.36	16150	N	5		F	
Y-5	97005	29.48	16150	N	2/10	1.42	F	
Y7000H		991.00	9626	N	1	27.60	C	Å
Y7000S		991.00	9626	N	1	27.60	C	Å
Y7000ZH	97020	933.00	9626	N	1	25.00	C	Å
Y7000ZS	97021	933.00	9626	N	1	25.00	C	Å
Y7001H		987.35	9626	N	1	27.60	C	Å
Y7001S		987.35	9626	N	1	27.60	C	Å
Y7001ZH	97022	933.00	9626	N	1	25.00	C	Å
Y7001ZS	97023	933.00	9626	N	1	25.00	C	Å
Y7002H		1245.97	9626	N	1	28.30	C	Å
Y7002S		1245.97	9626	N	1	28.30	C	Å
Y7002ZH	97024	966.00	9626	N	1	25.00	C	Å
Y7002ZS	97025	966.00	9626	N	1	25.00	C	Å
Y7010H		706.00	9626	N	1	16.60	C	Å
Y7010S		706.00	9626	N	1	16.60	C	Å
Y7010W (USE Y7010H)								
Y7010H		706.00	9626	N	1	16.60	C	Å
Y7010S		706.00	9626	N	1	16.60	C	Å
Y7010W (USE Y7010H)								
Y7010H		706.00	9626	N	1	16.60	C	Å
Y7010S		706.00	9626	N	1	16.60	C	Å
Y7010W (USE Y7010H)								
Y7010ZH	97026	477.00	9626	N	1	14.00	C	Å
Y7010ZS	97027	477.00	9626	N	1	14.00	C	Å
Y7010ZW (USE Y7010ZH)								
Y7011H		991.35	9626	N	1	16.60	C	Å
Y7011S		991.35	9626	N	1	16.60	C	Å
Y7011W (USE Y7011H)								
Y7011H		991.35	9626	N	1	16.60	C	Å
Y7011S		991.35	9626	N	1	16.60	C	Å
Y7011W (USE Y7011H)								
Y7011H		991.35	9626	N	1	16.60	C	Å
Y7011S		991.35	9626	N	1	16.60	C	Å
Y7011W (USE Y7011H)								
Y7011ZH	97028	477.00	9626	N	1	14.00	C	Å
Y7011ZS	97029	477.00	9626	N	1	14.00	C	Å
Y7011ZW (USE Y7011ZH)								
Y7012H		1166.00	9626	N	1	17.30	C	Å
Y7012S		1166.00	9626	N	1	17.30	C	Å
Y7012W (USE Y7012H)								
Y7012H		1166.00	9626	N	1	17.30	C	Å
Y7012S		1166.00	9626	N	1	17.30	C	Å
Y7012W (USE Y7012H)								
Y7012H		1166.00	9626	N	1	17.30	C	Å
Y7012S		1166.00	9626	N	1	17.30	C	Å
Y7012W (USE Y7012H)								
Y7012ZH	97030	933.00	9626	N	1	14.00	C	Å
Y7012ZS	97031	933.00	9626	N	1	14.00	C	Å
Y7012ZW (USE Y7012ZH)								
Y7020H		1283.00	9626	N	1	54.00	C	Å
Y7020S		1283.00	9626	N	1	54.00	C	Å
Y7020W		1283.00	9626	N	1	54.00	C	Å
Y7020H		1283.00	9626	N	1	54.00	C	Å
Y7020S		1283.00	9626	N	1	54.00	C	Å
Y7020W		1283.00	9626	N	1	54.00	C	Å
Y7020HA		1283.00	9626	N	1	54.00	C	Å
Y7020SHA		1283.00	9626	N	1	54.00	C	Å
Y7020WHA		1283.00	9626	N	1	54.00	C	Å
Y7020HA (USE Y7020DHVA)								
Y7020SHA (USE Y7020DHVA)								
Y7020WHA (USE Y7020DHVA)								
Y7020HV (USE Y7020DHVV)								
Y7020SHV (USE Y7020DHVV)								
Y7020WHV (USE Y7020DHVV)								
Y7020HX		1283.00	9626	N	1	54.00	C	Å
Y7020SHX		1283.00	9626	N	1	54.00	C	Å
Y7020WHX (USE Y7020DHVX)								
Y7020HX		1283.00	9626	N	1	54.00	C	Å
Y7020SHX		1283.00	9626	N	1	54.00	C	Å
Y7020WHX (USE Y7020DHVX)								
Y7020HX		1283.00	9626	N	1	54.00	C	Å
Y7020SHX		1283.00	9626	N	1	54.00	C	Å
Y7020WHX (USE Y7020DHVX)								
Y7020HK (USE Y7020KHVA)								
Y7020SHK (USE Y7020KHVA)								
Y7020WHK (USE Y7020KHVA)								
Y7020HK (USE Y7020KHVA)								
Y7020SHK (USE Y7020KHVA)								
Y7020WHK (USE Y7020KHVA)								
Y7020HK (USE Y7020KHVV)								
Y7020SHK (USE Y7020KHVV)								
Y7020WHK (USE Y7020KHVX)								
Y7021H	97032	733.00	9626	N	1	46.00	C	Å
Y7021S	97033	907.00	9626	N	1	46.00	C	Å
Y7021W (USE Y7021ZHVZ)								
Y7021H		1283.00	9626	N	1	54.00	C	Å
Y7021S		1283.00	9626	N	1	54.00	C	Å
Y7021W		1283.00	9626	N	1	54.00	C	Å
Y7021H		1283.00	9626	N	1	54.00	C	Å
Y7021S		1283.00	9626	N	1	54.00	C	Å
Y7021W (USE Y7021BHVC)								
Y7021H (USE Y7021BHVC)								
Y7021S (USE Y7021BHVC)								
Y7021H		1283.00	9626	N	1	54.00	C	Å
Y7021S		1283.00	9626	N	1	54.00	C	Å
Y7021W (USE Y7021DHVC)								

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Cwt.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
Y7021DHVC (USE Y7021DHVC)								
Y7021DHVC (USE Y7021DHVC)								
Y7021DHVC		1389.00	9626	N	1	54.00	C	Å
Y7021DHVC		1389.00	9626	N	1	54.00	C	Å
Y7021DHVC (USE Y7021KHVC)								
Y7021KHVC (USE Y7021KHVC)								
Y7021KHVC (USE Y7021KHVC)								
Y7021ZHVZ	97034	757.00	9626	N	1	46.00	C	Å
Y7021ZHVZ	97035	757.00	9626	N	1	46.00	C	Å
Y7021ZHVZ (USE Y7021ZHVZ)								
Y7022BHVC		1695.00	9626	N	1	55.70	C	Å
Y7022BHVC		1695.00	9626	N	1	55.70	C	Å
Y7022BHVC		1695.00	9626	N	1	55.70	C	Å
Y7022BHVC		1695.00	9626	N	1	55.70	C	Å
Y7022BHVC (USE Y7022BHVG)								
Y7022BHVG (USE Y7022BHVG)								
Y7022BHVG (USE Y7022BHVE)								
Y7022BHVC		1695.00	9626	N	1	55.70	C	Å
Y7022BHVC		1695.00	9626	N	1	55.70	C	Å
Y7022BHVC		1695.00	9626	N	1	55.70	C	Å
Y7022BHVE		1695.00	9626	N	1	55.70	C	Å
Y7022BHVE (USE Y7022DHVG)								
Y7022DHVG (USE Y7022DHVG)								
Y7022DHVG (USE Y7022DHVE)								
Y7022DHVE		1695.00	9626	N	1	55.70	C	Å
Y7022KHVE		1695.00	9626	N	1	55.70	C	Å
Y7022KHVE (USE Y7022KHVE)								
Y7022KHVE (USE Y7022KHVE)								
Y7022KHVE (USE Y7022KHVE)								
Y7022ZHVZ	97036	606.00	9626	N	1	46.00	C	Å
Y7022ZHVZ	97037	606.00	9626	N	1	46.00	C	Å
Y7022ZHVZ (USE Y7022ZHVZ)								
Y7023BHVH								¿
Y7023DHVH								¿
Y7023KHVH								¿
Y7023BHVW								¿
Y7023DHVW								¿
Y7023KHVW								¿
Y7023KHVW								¿
Y7023ZHVZ								¿
Y7023BHVJ								¿
Y7023DHVJ								¿
Y7023KHVJ								¿
Y7023KHVK								¿
Y7023KHVK								¿
Y7023ZHVZ								¿
Y7023BHVP								¿
Y7023DHVP								¿
Y7023KHVP								¿
Y7023KHVP								¿
Y7023ZHVZ								¿
Y7023ZHVZ								¿
Y7023ZHVZ								¿
Y0SD-3762	97815	28.60	9626	N	1		C	
Y0SX-10250	97827	3.69	9150	N	1		C	
Y0SX-10258	97828	3.69	9150	N	1		C	
Y0SX-10257	97829	3.69	9150	N	1		C	
Y0SX-10256	97830	3.69	9150	N	1		C	
Y0SX-10251	97831	3.69	9150	N	1		C	
Y0SX10214	97832	2.14	9150	N	1	0.50	C	
Y0SX-9484-1	97825	3.69	9150	N	1		C	
Y0SX-9484-2	97826	3.69	9150	N	1		C	
Y0SD-A.85	98300	13.70	9616	N	1		C	
Y0SD-A.94	98301	13.70	9616	N	1		C	
Y0SD-A.99	98302	13.70	9616	N	1		C	

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Cwt.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
Y0SD-A.85	98303	13.70	9616	N	1		C	
Y0SD-A.71	98304	13.70	9616	N	1		C	
Y0SD-A.76	98305	13.70	9616	N	1		C	
Y0SD-A.80	98306	13.70	9616	N	1		C	
Y0SD-A.90	98307	13.70	9616	N	1		C	
Y0SD-A1.02	98308	13.70	9616	N	1		C	
Y0SD-A1.16	98309	13.70	9616	N	1		C	
Y0SD-A1.25	98310	13.70	9616	N	1		C	
Y0SD-A1.38	98311	13.70	9616	N	1		C	
Y0SD-A1.54	98312	13.70	9626	N	1		C	
Y0SD-A1.63	98313	13.70	9616	N	1		C	
Y0SD-A1.75	98314	13.70	9616	N	1		C	
Y0SD-A1.85	98315	13.70	9616	N	1		C	
Y0SD-A1.95	98316	13.70	9616	N	1		C	
Y0SD-A11.0	98333	13.70	9616	N	1		C	
Y0SD-A11.0	98334	13.70	9616	N	1		C	
Y0SD-A12.2	98335	13.70	9616	N	1		C	
Y0SD-A14.1	98336	13.70	9616	N	1		C	
Y0SD-A14.8	98337	13.70	9616	N	1		C	
Y0SD-A16.2	98338	13.70	9616	N	1		C	
Y0SD-A17.8	98339	13.70	9616	N	1		C	
Y0SD-A19.6	98340	13.70	9616	N	1		C	
Y0SD-A2.15	98317	13.70	9616	N	1		C	
Y0SD-A2.31	98318	13.70	9616	N	1		C	
Y0SD-A2.57	98319	13.70	9616	N	1		C	
Y0SD-A3.01	98320	13.70	9616	N	1		C	
Y0SD-A31.3	98341	13.70	9616	N	1		C	
Y0SD-A35.1	98342	13.70	9616	N	1		C	
Y0SD-A3.61	98321	13.70	9616	N	1		C	
Y0SD-A3.96	98322	13.70	9616	N	1		C	
Y0SD-A4.32	98323	13.70	9616	N	1		C	
Y0SD-A4.78	98324	13.70	9626	N	1		C	
Y0SD-A5.30	98325	13.70	9616	N	1		C	
Y0SD-A5.78	98326	13.70	9616	N	1		C	
Y0SD-A6.20	98327	13.70	9616	N	1		C	
Y0SD-A6.90	98328	13.70	9616	N	1		C	
Y0SD-A7.65	98329	13.70	9616	N	1		C	
Y0SD-A8.30	98330	13.70	9616	N	1		C	
Y0SD-A9.25	98331	13.70	9616	N	1		C	
Y0SD-A9.90	98332	13.70	9616	N	1		C	
Y0SY12000	97840	8.57	9150	N	1		C	
Y0SY24000	97836	8.57	9150	N	1		C	
Y0SY72000	97837	8.57	9150	N	1		C	
Y0WE1F0000	97842	176.00	9626	N	1		C	
Y0WE1F0004	97843	240.00	9626	N	1		C	
Y0WE-287A5F0001	98382	28.60	9626	N	1		C	
Y0WEDT20	97988	14.27	9366	N	1		C	
Y0WEDT20	97989	14.27	9366	N	1		C	
Y0WEA200-FH08	97856	12.70	9626	N	1		C	
Y0WEA200-FH09	97857	12.70	9626	N	1		C	
Y0WEA200-FH05	97858	12.70	9626	N	1		C	
Y0WEA200-FH06	97859	12.70	9626	N	1		C	
Y0WEA200-FH07	97860	12.70	9626	N	1		C	
Y0WEA200-FH04	97861	12.70	9626	N	1		C	
Y0WEA200-FH03	97862	12.70	9626	N	1		C	
Y0WEA200-FH10	97863	12.70	9626	N	1		C	
Y0WEA200-FH11	97864	12.70	9626	N	1		C	
Y0WEA200-FH12	97865	12.70	9626	N	1		C	
Y0WEA200-FH13	97866	12.70	9626	N	1		C	
Y0WEA200-FH14	97867	12.70	9626	N	1		C	
Y0WEA200-FH16	97868	12.70	9626	N	1		C	
Y0WEA200-FH15	97869	12.70	9626	N	1		C	
Y0WEA200-FH17	97870	12.70	9626	N	1		C	
Y0WEA200-FH18	97871	12.70	9626	N	1		C	
Y0WEA200-FH19	97872	12.70	9626	N	1		C	

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
YOWEA200-FH21	97874	12.76	9626	N	1		C	
YOWEA200-FH22	97875	12.76	9626	N	1		C	
YOWEA200-FH23	97876	12.76	9626	N	1		C	
YOWEA200-FH24	97877	12.76	9626	N	1		C	
YOWEA200-FH25	97878	12.76	9626	N	1		C	
YOWEA200-FH26	97879	12.76	9616	N	1		C	
YOWEA200-FH27	97880	12.76	9626	N	1		C	
YOWEA200-FH28	97881	12.76	9626	N	1		C	
YOWEA200-FH29	97882	12.76	9626	N	1		C	
YOWEA200-FH30	97883	12.76	9616	N	1		C	
YOWEA200-FH31	97884	12.76	9626	N	1		C	
YOWEA200-FH32	97885	12.76	9626	N	1		C	
YOWEA200-FH33	97886	12.76	9626	N	1		C	
YOWEA200-FH34	97887	12.76	9626	N	1		C	
YOWEA200-FH35	97888	12.76	9626	N	1		C	
YOWEA200-FH36	97889	12.76	9626	N	1		C	
YOWEA200-FH37	97890	12.76	9626	N	1		C	
YOWEA200-FH38	97891	12.76	9626	N	1		C	
YOWEA200-FH39	97892	12.76	9626	N	1		C	
YOWEA200-FH40	97893	12.76	9626	N	1		C	
YOWEA200-FH41	97894	12.76	9626	N	1		C	
YOWEA200-FH42	97895	12.76	9626	N	1		C	
YOWEA200-FH43	97896	12.76	9626	N	1		C	
YOWEA200-FH44	97897	12.76	9626	N	1		C	
YOWEA200-FH45	97898	12.76	9626	N	1		C	
YOWEA200-FH46	97899	12.76	9626	N	1		C	
YOWEA200-FH47	97900	12.76	9626	N	1		C	
YOWEA200-FH48	97901	12.76	9626	N	1		C	
YOWEA200-FH49	97902	12.76	9626	N	1		C	
YOWEA200-FH50	97903	12.76	9626	N	1		C	
YOWEA200-FH51	97904	12.76	9626	N	1		C	
YOWEA200-FH52	97905	12.76	9626	N	1		C	
YOWEA200-FH53	97906	12.76	9626	N	1		C	
YOWEA200-FH54	97907	12.76	9626	N	1		C	
YOWEA200-FH55	97908	12.76	9626	N	1		C	
YOWEA200-FH56	97909	12.76	9626	N	1		C	
YOWEA200-FH57	97910	12.76	9626	N	1		C	
YOWEA200L56	97932	101.56	9626	N	1		C	
ZE-123	99672	14.49	16411	N	25	0.68	F	
ZE-135	99673	14.49	16411	N	25	0.68	F	
ZE-156	99674	14.49	16411	N	25	0.68	F	
ZE-167	99675	14.49	16411	N	25	0.68	F	
ZE-223	99678	21.53	16411	N	25	0.79	F	
ZE-235	99679	21.53	16411	N	25	0.79	F	
ZE-256	99680	21.53	16411	N	25	0.79	F	
ZE-267	99681	21.53	16411	N	25	0.79	F	
ZE-278	99682	21.53	16411	N	25	0.79	F	
ZN102	97419	5.87	15401	B	25/100	0.12	F	
ZN102CR	98980	6.01	15401	C	25	0.50	F	
ZN103	97420	5.44	15401	B	25/100	0.12	F	
ZN103CR	98981	6.01	15401	C	25	0.50	F	
ZN103-MG	98031	33.79	15406	N	5	0.50	F	
ZN105	97421	5.44	15401	A	25/100	0.12	F	
ZN105CR	98982	6.01	15401	C	25		F	
ZN105-MG	98032	33.79	15406	N	5	0.50	F	
ZN108	97422	5.44	15401	A	25/100	0.12	F	
ZN108CR	98983	6.01	15401	C	25		F	
ZN108-MG	98033	33.79	15406	N	5	0.50	F	
ZN109	97423	5.44	15401	A	25/100	0.12	F	
ZN109CR	98984	6.01	15401	C	25		F	
ZN109-MG	98034	33.79	15406	N	5	0.50	F	
ZN208	97424	7.02	15401	B	15/60	0.17	F	
ZN208CR	98985	7.42	15401	C	15	0.50	F	
ZN208-MG	98035	43.49	15406	N	5	0.50	F	
ZN209	97425	7.02	15401	B	15/60	0.17	F	

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ZN209CR	98986	7.42	15401	C	15	0.50	F	
ZN209-MG	98036	43.49	15406	N	5		F	
ZN210	97426	7.02	15401	B	15/60	0.17	F	
ZN210CR	98987	7.42	15401	C	15	0.50	F	
ZN210-MG	98037	43.49	15406	N	5		F	
ZN211	97427	7.02	15401	B	15/60	0.17	F	
ZN211CR	98988	7.42	15401	C	15	0.50	F	
ZN211-MG	98038	43.49	15406	N	5	0.50	F	
ZN308	97429	16.88	15401	-	-	0.36	F	¿
ZN310	97430	10.58	15401	A	15/60	0.36	F	
ZN310CR	98991	11.23	15401	C	10	0.50	F	
ZN311	97431	10.58	15401	B	15/60	0.36	F	
ZN311CR	98992	11.23	15401	C	10	0.50	F	
ZN312	97432	10.58	15401	B	15/60	0.36	F	
ZN312CR	98993	11.23	15401	C	10	0.50	F	
ZN313	97433	10.58	15401	A	15/60	0.36	F	
ZN313CR	98994	11.23	15401	C	10	0.50	F	
ZN412	97435	23.82	15402	C	5/10	0.72	F	
ZN413	97436	23.82	15402	C	5/10	0.72	F	
ZN414	97437	23.82	15402	C	5/10	0.72	F	
ZN415	97438	23.82	15402	C	5/10	0.72	F	
ZN416	97439	23.82	15402	C	5/10	0.72	F	
ZN417	97440	23.82	15402	C	5/10	0.72	F	
ZN418	97441	23.82	15402	C	5/10	0.72	F	
ZN419	97443	47.11	15402	C	1/10	1.45	F	
ZN901	97339	1.96	15401	C	25/10	0.10	F	
ZN902	97340	2.02	15401	C	25/100	0.10	F	
ZN902CR	98958	1.96	15401	C	50	0.50	F	
ZN903	97341	2.02	15401	C	25/100	0.10	F	
ZN903CR	98959	1.96	15401	C	50	0.50	F	
ZN904	97342	2.02	15401	B	25/100	0.10	F	
ZN904CR	98960	1.96	15401	C	50	0.50	F	
ZN904-MG	98010	43.49	15406	N	5	0.50	F	
ZN906	97343	4.02	15401	B	25/100	0.10	F	
ZN906CR	98961	1.96	15401	C	50	0.50	F	
ZN906-MG	98011	28.99	15406	N	5	0.50	F	
ZN907	97344	3.02	15401	B	25/100	0.10	F	
ZN907CR	98962	2.96	15401	C	50	0.50	F	
ZN907-MG	98012	28.99	15406	N	5	0.50	F	
ZN910	97345	2.02	15401	C	25/100	0.10	F	
ZN910CR	98963	2.96	15401	C	25	0.50	F	
ZN912	97346	3.02	15401	A	25/100	0.10	F	
ZN912CR	98964	2.96	15401	C	25	0.50	F	
ZN913	97347	3.02	15401	A	25/100	0.10	F	
ZN913CR	98965	2.96	15401	C	25	0.50	F	
ZN1000-MG	98013	24.19	15406	N	5	0.50	F	
ZN905	97348	3.02	15401	A	25/100	0.10	F	
ZN1000CR	98966	2.96	15401	C	25	0.50	F	
ZN1000-MG	98014	24.19	15406	N	5	0.50	F	
ZN100	97349	2.02	15401	A	25/100	0.11	F	
ZN1005CR	98967	2.96	15401	C	25	0.50	F	
ZN1005-MG	98015	24.19	15406	N	5	0.50	F	
ZN1005	97350	3.02	15401	A	25/100	0.11	F	
ZN1008CR	98968	2.96	15401	C	25	0.50	F	
ZN1008-MG	98016	24.19	15406	N	5	0.50	F	
ZN110	97351	3.02	15401	B	15/100	0.12	F	
ZN110-MG	98017	24.19	15406	N	5	0.50	F	
ZN111	97352	3.02	15401	B	15/100	0.12	F	
ZN111-MG	98018	24.19	15406	N	5	0.50	F	
ZN201	97353	3.96	15401	A	25/100	0.12	F	
ZN202	97354	3.96	15401	B	25/100	0.12	F	
ZN203	97355	3.92	15401	B	25/100	0.12	F	
ZN203-MG	98019	28.42	15406	N	5	0.50	F	
ZN205	97356	3.96	15401	A	25/100	0.12	F	
ZN205-MG	98020	28.42	15406	N	5	0.50	F	

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Z5208	97357	3.82	15401	A	25/100	0.12	F	
Z5208CR	98969	3.89	15401	C	25	0.50	F	
Z5208-MG	98021	26.42	15406	N	5	0.50	F	
Z5209	97358	3.82	15401	A	25/100	0.12	F	
Z5209CR	98970	3.89	15401	C	25	0.50	F	
Z5209-MG	98022	26.42	15406	N	5		F	
Z5210	97359	4.36	15401	A	15/60	0.17	F	
Z5210CR	98971	3.89	15401	C	25	0.50	F	
Z5210-MG	98023	29.92	15406	N	5		F	
Z5211	97360	4.36	15401	A	15/60	0.17	F	
Z5211CR	98972	3.89	15401	C	25	0.50	F	
Z5211-MG	98024	29.92	15406	N	5	0.50	F	
Z5308	97361	4.84	15401	C	15/60	0.21	F	
Z5308CR	98973	4.87	15401	C	15	0.50	F	
Z5308-MG	98025	35.86	15406	N	5	0.50	F	
Z5309	97362	4.84	15401	A	10/60	0.21	F	
Z5309CR	98974	4.87	15401	C	15	0.50	F	
Z5309-MG	98026	35.86	15406	N	5		F	
Z5310	97363	4.84	15401	A	10/60	0.21	F	
Z5310CR	98975	4.87	15401	C	15	0.50	F	
Z5310-MG	98027	35.86	15406	N	5	0.50	F	
Z5311	97364	4.84	15401	A	10/60	0.21	F	
Z5311CR	98976	4.87	15401	C	15	0.50	F	
Z5311-MG	98028	35.86	15406	N	5	0.50	F	
Z5312	97365	4.84	15401	A	10/60	0.21	F	
Z5312CR	98977	4.87	15401	C	15	0.50	F	
Z5312-MG	98029	35.86	15406	N	5	0.50	F	
Z5313	97366	13.90	15401	C	5/10	0.45	F	
Z5313CR	98978	4.87	15401	C	15	0.50	F	
Z5313-MG	98030	35.86	15406	N	5	0.50	F	
Z5314	97367	13.90	15401	C	5/10	0.45	F	
Z5315	97368	13.90	15401	C	5/10	0.45	F	
Z5411	97369	14.86	15402	C	5/10	0.45	F	
Z5412	97370	14.86	15402	B	5/10	0.45	F	
Z5413	97371	14.86	15402	B	5/10	0.45	F	
Z5414	97372	14.86	15402	C	5/10	0.45	F	
Z5415	97373	14.86	15402	C	5/10	0.45	F	
Z5611	97374	16.20	15402	C	5/10	0.45	F	
Z5612	97375	16.20	15402	C	5/10	0.45	F	
Z5613	97376	16.20	15402	C	5/10	0.45	F	
Z5614	97377	16.86	15402	C	5/10	0.45	F	
Z5615	97378	16.86	15402	B	5/10	0.45	F	
Z5616	97379	27.36	15402	C	2	1.00	F	
Z5617	97380	27.36	15402	C	2	1.00	F	
Z5618	97381	28.26	15402	C	2	1.00	F	
Z5620	97382	28.29	15402	C	2	1.00	F	
Z5619	97383	29.30	15402	C	1	1.00	F	
Z5618	97384	27.36	15402	C	1	1.00	F	
Z5617	97385	27.36	15402	C	1	1.00	F	
Z5616	97386	27.36	15402	C	1	1.00	F	
Z5615	97388	41.21	15402	C	1	1.00	F	
Z5620	97387	27.36	15402	C	1	1.00	F	
Z5621	97389	30.89	15402	C	1	1.00	F	
Z5622	97390	41.21	15402	C	1	1.00	F	
Z5623	97391	30.89	15402	C	1	1.00	F	
Z5624	97392	41.21	15402	C	1	1.00	F	
Z5719	97394	42.53	15402	C	1	2.00	F	
Z5721	97395	44.23	15402	C	1	2.00	F	
Z5722	97396	42.53	15402	C	1	2.00	F	
Z5723	97397	42.53	15402	C	1	2.00	F	
Z5724	97398	42.53	15402	C	1	2.00	F	
Z5725	97399	44.23	15402	C	1	2.00	F	
Z5819	97402	47.23	15402	C	1	2.00	F	
Z5821	97403	47.23	15402	C	1	2.00	F	
Z5822	97404	47.23	15402	C	1	2.00	F	

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Z5823	97405	47.23	15402	C	1	2.00	F	
Z5824	97406	45.41	15402	C	1	2.00	F	
Z5825	97407	47.23	15402	C	1	2.00	F	
Z5826	97408	71.18	15402	C	1	2.00	F	
Z5827	97409	73.93	15402	C	1	2.00	F	
Z5828	97410	71.88	15402	C	1	2.00	F	
Z5829	97411	71.88	15402	C	1	2.00	F	
4041	98006	31.01	5382	N	1	7.00	L	
6038	98110	41.25	1311	N	1	1.00	E	
6053	98122	42.68	1311	N	1	1.00	E	
6058	98134	49.58	1311	N	1	1.00	E	
6064	98142	38.97	1311	N	1		E	
6074	98152	36.14	1311	N	1	0.50	E	
6088PAK	98162	31.45	1311	N	1		E	
6047-10	98168	43.75	1327	N	1	1.00	E	
6047-14	98170	55.78	1327	N	1		E	
6047-15	98172	71.88	1327	N	1		E	
6047-6	98166	34.66	1327	N	1	1.00	E	
6048-10	98174	46.58	1327	N	1	1.00	E	
6048-14	98176	58.58	1327	N	1		E	
6048-14	98180	58.58	1327	N	1		E	
6048-15	98182	86.48	1327	N	1		E	
6048-18	98184	74.28	1327	N	1		E	
6048-24	98188	100.88	1327	N	1		E	
6048-30	98198	100.88	1327	N	1		E	
6049-24	98200	134.68	1327	N	1		E	
6049-30	98204	201.18	1327	N	1		E	
6051-24	98210	182.68	1327	N	1		E	
6051-30	98212	240.78	1327	N	1		E	
6055-30	98214	231.38	1327	N	1		E	
6057-30	98216	302.88	1327	N	1		E	
6057-12	98222	46.28	1327	N	1		E	
6057-6	98220	34.14	1327	N	1		E	
7000-1	98224	86.88	1327	N	1	2.50	E	
7000-2	98226	86.88	1327	N	1		E	
7000-4								¿
7000-4	98230	180.88	1327	N	1		E	
7000-5	98232	134.88	1327	N	1		E	
7000-6								¿
7000-7	98236	181.28	1327	N	1		E	
7004-1	98238	58.98	1327	N	1	2.00	E	
7004-2								¿
7004-3								¿
7005-1	98244	89.88	1327	N	1	3.00	E	
7005-2	98246	134.88	1327	N	1	5.00	E	
7006-3	98248	176.88	1327	N	1		E	
7006-4								¿
7006-5	98252	267.88	1327	N	1		E	
7007-1	98254	34.88	1327	N	1	1.00	E	
7007-2	98256	44.78	1327	N	1	1.00	E	
7008-3								¿
7008-4	98260	51.78	1327	N	1		E	
7008-5	98262	58.88	1327	N	1		E	
7004-6	98264	71.88	1327	N	1		E	
7007-1	98266	34.88	1327	N	1		E	
7007-2	98268	40.78	1327	N	1		E	
7007-3								¿
7007-4								¿
7007-5	98273	29.88	1327	N	1	0.50	E	
7008-5	98274	58.88	1327	N	1		E	
7008-4	98276	36.88	1327	N	1		E	
7008-5	98278	43.88	1327	N	1		E	
7009-1	98280	167.28	1327	N	1		E	
7009-2	98282	223.88	1327	N	1		E	
7009-3	98284	279.88	1327	N	1	15.00	E	

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8900-1	98286	232.18	1327	N	1	8.00	E	
9547-1	98292	18.34	1327	N	1		E	
9547-2	98294	26.51	1327	N	1		E	
5068729	97649	2.28	9345	N	1	0.07	F	Å
5068730	97650	1.49	9345	N	1	0.07	F	Å
5068748	97651	1.95	9345	N	1	0.07	F	Å
5068750	97652	2.78	9345	N	1	0.07	F	Å
5068760	97653	3.78	9345	N	1	0.07	F	Å
5068778	97654	8.68	9345	N	1	0.07	F	Å
5068788	97657	13.58	9345	N	1	0.07	F	Å
11461	98298	499.02	1327	N	1	63.00	E	
12623								¿
12624								¿
12822								¿
15515	98295	74.74	1327	N	1	3.00	E	
15516	98297	149.82	1327	N	1	5.50	E	
15517	98299	248.62	1327	N	1	8.50	E	
17506	98057	251.71	1327	N	1	14.00	E	
17517	98052	88.01	1327	N	1	1.50	E	
17518	98051	60.96	1327	N	1	1.00	E	
17519	98050	52.11	1327	N	1	1.00	E	
17520	98053	151.21	1327	N	1	7.00	E	
17521	98054	66.64	1327	N	1	2.00	E	
17522	98055	134.73	1327	N	1	6.50	E	
17523	98056	146.11	1327	N	1	5.50	E	
17524	98058	317.74	1327	N	1	15.00	E	
742736		9.66	15590	N	1		F	
742751		1.10	15590	N	1		F	
2198005400	03082	5.14	5901	N	1	0.29	L	
8161/3-M16-08	98908	4.89	16930	N	1	0.15	F	Å
8161/3-M20-12	95377	5.23	16930	N	1	0.15	F	Å
8161/3-M25-13	95378	5.23	16930	N	1	0.15	F	Å
8161/3-M25-17	03446	5.23	16930	N	1	0.15	F	Å
8161/3-M32-18	95379	9.05	16930	N	1	0.20	F	Å
8161/3-M40-25	98909	13.74	16930	N	1	0.20	F	Å
8161/3-M50-32	98910	26.04	16930	N	1	0.20	F	Å
8161/3-M63-44	98911	41.13	16930	N	1	0.30	F	Å
8161/4-M16-08	98912	4.89	16930	N	1	0.15	F	Å
8161/4-M20-12	98913	5.23	16930	N	1	0.15	F	Å
8161/4-M25-13	98914	5.23	16930	N	1	0.15	F	Å
8161/4-M25-17	03446	5.23	16930	N	1	0.15	F	Å
8161/4-M32-18	98915	9.05	16930	N	1	0.20	F	Å
8161/4-M40-25	98916	13.74	16930	N	1	0.20	F	Å
8161/4-M50-32	98917	26.04	16930	N	1	0.20	F	Å
8161/4-M63-44	98918	41.13	16930	N	1	0.30	F	Å
8290/3-M16	98930	3.22	16930	N	1	0.04	F	Å
8290/3-M20	98931	3.22	16930	N	1	0.04	F	Å
8290/3-M25	98932	4.58	16930	N	1	0.04	F	Å
8290/3-M32	98933	6.41	16930	N	1	0.04	F	Å
8290/3-M40	98934	9.30	16930	N	1	0.04	F	Å
8290/3-M50	98935	9.82	16930	N	1	0.04	F	Å
8290/3-M63	98936	9.74	16930	N	1	0.07	F	Å
5203820 (USE KSL-820)								
5203840 (USE KSL-840)								
5203860 (USE KSL-860)								
5203860 (USE KSL-860)								
8003/20-55R-6 (USE GNPB2055R6)								
8003/20-R6 (USE GNPB20R6)								
8003/20-SW6 (USE GNPB20SW6)								
8003/21B-6 (USE GNPB21B6)								
8003/21G-6 (USE GNPB21G6)								
8003/21R-6 (USE GNPB21R6)								
8003/24-55R-6 (USE GNPB2455R6)								
8003/24R-6 (USE GNPB24R6)								
8003/24SW-6 (USE GNPB24SW6)								

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
8003/27-6 (USE GNPB276)								
8003/28-11-6 (USE GNPB28II6)								
8003/28-1-6 (USE GNPB28I6)								
8003/28-I/II-6 (USE GNPB28III6)								
8003/29R-6 (USE GNPB29R6)								
8003/40-55R (USE GNPB4055R)								
8003/40R (USE GNPB40R)								
8003/40SW (USE GNPB40SW)								
8003/41B (USE GNPB41B)								
8003/41G (USE GNPB41G)								
8003/41R (USE GNPB41R)								
8003/44-55R (USE GNPB4455R)								
8003/44R (USE GNPB44R)								
8003/44-SW (USE GNPB44SW)								
8003/47 (USE GNPB47)								
8003/48-I (USE GNPB48I)								
8003/48-I/II (USE GNPB48III)								
8003/48-II (USE GNPB48II)								
8003/48R (USE GNPB48R)								
8003/5AS-002-6 (USE GNSW5AS0026)								
8003/5AS-005-6 (USE GNSW5AS0056)								
8003/5AS-016-6 (USE GNSW5AS0166)								
8003/5AS-025-6 (USE GNSW5AS0256)								
8003/5AS-027-6 (USE GNSW5AS0276)								
8003/5AS-028-6 (USE GNSW5AS0286)								
8003/5AS-032-6 (USE GNSW5AS0326)								
8003/5AS-034-6 (USE GNSW5AS0346)								
8003/5AS-038-6 (USE GNSW5AS0386)								
8003/5AS-039-6 (USE GNSW5AS0396)								
8003/5AS-040-6 (USE GNSW5AS0406)								
8003/5AS-041-6 (USE GNSW5AS0416)								
8003/5AS-045-6 (USE GNSW5AS0456)								
8003/5AS-047-6 (USE GNSW5AS0476)								
8003/5AS-062-6 (USE GNSW5AS0626)								
8003/5NA-002-6 (USE GNSW5NA0026)								
8003/5NA-005-6 (USE GNSW5NA0056)								
8003/5NA-016-6 (USE GNSW5NA0166)								
8003/5NA-025-6 (USE GNSW5NA0256)								
8003/5NA-027-6 (USE GNSW5NA0276)								
8003/5NA-028-6 (USE GNSW5NA0286)								
8003/5NA-032-6 (USE GNSW5NA0326)								
8003/5NA-034-6 (USE GNSW5NA0346)								
8003/5NA-038-6 (USE GNSW5NA0386)								
8003/5NA-039-6 (USE GNSW5NA0396)								
8003/5NA-040-6 (USE GNSW5NA0406)								
8003/5NA-041-6 (USE GNSW5NA0416)								
8003/5NA-045-6 (USE GNSW5NA0456)								
8003/5NA-047-6 (USE GNSW5NA0476)								
8003/5NA-062-6 (USE GNSW5NA0626)								
8003/7AS-002 (USE GNSW7AS002)								
8003/7AS-005 (USE GNSW7AS005)								
8003/7AS-016 (USE GNSW7AS016)								
8003/7AS-025 (USE GNSW7AS025)								
8003/7AS-027 (USE GNSW7AS027)								
8003/7AS-028 (USE GNSW7AS028)								
8003/7AS-032 (USE GNSW7AS032)								
8003/7AS-034 (USE GNSW7AS034)								
8003/7AS-038 (USE GNSW7AS038)								
8003/7AS-039 (USE GNSW7AS039)								
8003/7AS-040 (USE GNSW7AS040)								
8003/7AS-041 (USE GNSW7AS041)								
8003/7AS-045 (USE GNSW7AS045)								
8003/7AS-047 (USE GNSW7AS047)								
8003/7AS-062 (USE GNSW7AS062)								
8003/7NA-002 (USE GNSW7NA002)								

Refer to page 2 for explanation of symbols.

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
8003/7NA-005 (USE GMSW7NA005)								
8003/7NA-016 (USE GMSW7NA016)								
8003/7NA-025 (USE GMSW7NA025)								
8003/7NA-027 (USE GMSW7NA027)								
8003/7NA-028 (USE GMSW7NA028)								
8003/7NA-032 (USE GMSW7NA032)								
8003/7NA-034 (USE GMSW7NA034)								
8003/7NA-036 (USE GMSW7NA036)								
8003/7NA-039 (USE GMSW7NA039)								
8003/7NA-040 (USE GMSW7NA040)								
8003/7NA-041 (USE GMSW7NA041)								
8003/7NA-045 (USE GMSW7NA045)								
8003/7NA-047 (USE GMSW7NA047)								
8003/7NA-062 (USE GMSW7NA062)								
8613/22-01-26 (USE GMPL220126)								
8613/22-01-46 (USE GMPL220146)								
8613/22-01-56 (USE GMPL220156)								
8613/22-01-96 (USE GMPL220196)								
8613/22-02-26 (USE GMPL220226)								
8613/22-02-46 (USE GMPL220246)								
8613/22-02-56 (USE GMPL220256)								
8613/22-02-96 (USE GMPL220296)								
8613/22-03-26 (USE GMPL220326)								
8613/22-03-46 (USE GMPL220346)								
8613/22-03-56 (USE GMPL220356)								
8613/22-03-96 (USE GMPL220396)								
8613/22-05-26 (USE GMPL220526)								
8613/22-05-46 (USE GMPL220546)								
8613/22-05-56 (USE GMPL220556)								
8613/22-05-96 (USE GMPL220596)								
8613/24-01-2 (USE GMPL24012)								
8613/24-01-4 (USE GMPL24014)								
8613/24-01-5 (USE GMPL24015)								
8613/24-01-9 (USE GMPL24019)								
8613/24-02-2 (USE GMPL24022)								
8613/24-02-4 (USE GMPL24024)								
8613/24-02-5 (USE GMPL24025)								
8613/24-02-9 (USE GMPL24029)								
8613/24-03-2 (USE GMPL24032)								
8613/24-03-4 (USE GMPL24034)								
8613/24-03-5 (USE GMPL24035)								
8613/24-03-9 (USE GMPL24039)								
8613/24-05-2 (USE GMPL24052)								
8613/24-05-4 (USE GMPL24054)								
8613/24-05-5 (USE GMPL24055)								
8613/24-05-9 (USE GMPL24059)								
8511/2-602-6000 (USE DISF160000)								
8511/2-602-6002 (USE DISF165002)								
8511/2-602-7002 (USE DISF167002)								
8511/2-604-6000 (USE DISF320000)								
8511/2-604-6003 (USE DISF325003)								
8511/2-604-7003 (USE DISF327003)								
8511/2-606-6000 (USE DISF630000)								
8511/2-606-6006 (USE DISF635006)								
8511/2-606-7006 (USE DISF637006)								
8511/2-608-6000 (USE DISF1250006)								
8511/2-608-6007 (USE DISF1255007)								
8511/2-608-7007 (USE DISF1257007)								
8575/21-304 (USE VSR16R304)								
8575/21-306 (USE VSR16R306)								

CATALOG NUMBER	UPC Product Code 783936	Distributor Net Cost/Ea.	Product Type	ABC Price Matrix	Standard Package Quantity	Std. Pkg. Wt. LBS.	Catalog Section Reference	Product Status
8575/21-307 (USE VSR16R307)								
8575/21-405 (USE VSR16R405)								
8575/21-407 (USE VSR16R407)								
8575/21-409 (USE VSR16R409)								
8575/21-505 (USE VSR16R505)								
8575/21-507 (USE VSR16R507)								
8575/21-509 (USE VSR16R509)								
8575/22-304 (USE VSR16P304)								
8575/22-306 (USE VSR16P306)								
8575/22-307 (USE VSR16P307)								
8575/22-405 (USE VSR16P405)								
8575/22-407 (USE VSR16P407)								
8575/22-409 (USE VSR16P409)								
8575/22-505 (USE VSR16P505)								
8575/22-507 (USE VSR16P507)								
8575/22-509 (USE VSR16P509)								
8576/21-405 (USE VSR32R405)								
8576/21-407 (USE VSR32R407)								
8576/21-409 (USE VSR32R409)								
8576/21-505 (USE VSR32R505)								
8576/21-507 (USE VSR32R507)								
8576/21-509 (USE VSR32R509)								
8576/22-405 (USE VSR32P405)								
8576/22-407 (USE VSR32P407)								
8576/22-409 (USE VSR32P409)								
8576/22-505 (USE VSR32P505)								
8576/22-507 (USE VSR32P507)								
8576/22-509 (USE VSR32P509)								
8579/21-405 (USE VSR63R405)								
8579/21-407 (USE VSR63R407)								
8579/21-409 (USE VSR63R409)								
8579/21-505 (USE VSR63R505)								
8579/21-507 (USE VSR63R507)								
8579/21-509 (USE VSR63R509)								
8579/22-405 (USE VSR63P405)								
8579/22-407 (USE VSR63P407)								
8579/22-409 (USE VSR63P409)								
8579/22-505 (USE VSR63P505)								
8579/22-507 (USE VSR63P507)								
8579/22-509 (USE VSR63P509)								
8581/21-405 (USE VSR125R405)								
8581/21-407 (USE VSR125R407)								
8581/21-409 (USE VSR125R409)								
8581/21-505 (USE VSR125R505)								
8581/21-507 (USE VSR125R507)								
8581/21-509 (USE VSR125R509)								
8581/22-405 (USE VSR125P405)								
8581/22-407 (USE VSR125P407)								
8581/22-409 (USE VSR125P409)								
8581/22-505 (USE VSR125P505)								
8581/22-507 (USE VSR125P507)								
8581/22-509 (USE VSR125P509)								

HUBBELL

KILLARK®

Catalog Number Suffixes for Options and Special Features

SUFFIX CAT. NO.	DESCRIPTION	DIST. NET ADDER
AL	Amber Lens	No Charge
BP	Ballast Protector	93.30
CEN	Modify GR & EXB for Cenelec approval	See Chart Below
CL	Clear Lens	No Charge
CW	Cold Weather Rated Ballast 430MA RS Fluor. Fixture	44.15
DAT	Dual Arc Tube	P. O. A.
EL	Electronic Ballast HFX & DBF	73.65
FB	Fused Fluor. Fixture Ballast	17.60
GA	Group A FM Approval (HKB)	4.25
GL	Green Lens	No Charge
GS	External Ground Screw (Std. on HKB Assy. w/ Cenelec Approvals)	3.55
IR	Instant Restart	174.25
LO	Lockout on Pushbutton Station	12.95
LOP	Lockout-Padlock-for Selector Switch	17.20
LT	Low Temperature 90o supply wire rated NV Series	5.30
MR	Red Mushroom Button	5.50
PS	EZ Series Paint Spray Suitability	No Charge
PVC	P.V.C. Coating on Fittings	P. O. A.
QTZ	Auxiliary Quartz Lighting	174.25
Q	EZ Series Auxiliary Quartz	144.55
R	EZ Series Instant Restrike	144.55
RFI	DBF Series Radio Frequency Interference Filter	77.00
RL	Red Lens	No Charge
T	EZ Series Trunnion Mounting	103.10
T-2	Pilot Light Transformer (220V)	37.60
T-4	Pilot Light Transformer (440V)	37.60
T-5	Pilot Light Transformer (550V)	37.60
S37	Versamate 30-60A Polarize	17.95
S39	VersaMate Rev. Serv. 30 - 100 Amp.	No Charge
S39	VersaMate Rev. Serv. 200 Amp.	117.10
SU1	Stainless Steel Screws	P. O. A.
SU2	Hinge Installed	See Chart Next Page
SU3	Drain & Breather Installed	67.35
SU3B	Drain & Breather Group B	77.65
SU4	DB Series Side Lugs Slotted	No Charge
SU5	DB Series Side Lugs-Right Side with Holes. Left Side Slotted	No Charge
SU6	Omit Lugs	P. O. A.
SU8	Pan Mounting Studs (Less Pan)	See Page 74
SU9	Special Finish (Specify)	P. O. A.
SU10	Drain Installed	33.80
SU10B	Drain Installed Group B	38.85
SU11	Breather Installed	33.80
SU11B	Breather Installed Group B	38.85
SU14	Fungus Proofing (Specify)	P. O. A.
SU17	Solid Neutral 100 Amp.	39.10
SU18	Solid Neutral 225 Amp.	78.30
SU37	W Series Plug & Receptacles Rotate Contacts (Right)	13.00
SU38	W Series Plug & Receptacles Rotate Contacts (Left)	13.00
SU39	Reversed Contacts 200 Amp. Plug & receptacles	120.00
SU40	Lock "ON" for Circuit Breaker	13.00
SU43	Two Eye Bolts Installed	130.55
SU45	P. V. C. Finish	P. O. A.
SU75	Balance Weights Installed in VMA-24 & VMA-34	No Charge
SU93	Do Not Paint (DB, EXB, XB, XJB)	P. O. A.
SU94	EXB, XB, XJB Drill, Tap and Plug 1/2" NPT Top and Bottom for Field Installed Drain & Breather	27.66
SU102	Fixture Assembled into a Single Carton. Mounting Splice Box Shipped Seperately.	P. O. A.
SU103	Fixture Assembled with Lamp Installed; Mounting Splice Box is Unattached. Both Packaged in a Single Carton	19.10
SU104	Fixture Components Packaged in a Single Carton but Unassembled.	19.10
SU110	Omit Lamps from EBF Series	13.40
SU111	Special Paint Specify Thickness at Time of Order i.e. SU111 (6 mil)	P. O. A.
SU115	Stainless Steel Inserts	P. O. A.
SU117	Component Parts Shipped in a Single Carton	No Charge
WL	Fluorescent Fixture Supplied with Lamps Installed	P. O. A.

NOTE:
1.) Suffix Numbers SU103 & SU104 apply to all "VM", "EZ", "MBL", "MBK", "EZ", "MBL", "MBK", "MBF", "EMI", "EMS", "EMM", and "EMH" Series Luminaires.
2.) Lamps supplied with Incandescent Luminaires are: EMI15 Series: 150 Watt A-21IF, EMI20 Series: 200 Watt A-23IF, EMI30 Series: 300 Watt PS-25IF.

CEN SUFFIX PRICE ADDER

ENCLOSURE	ADDER
GRB-GRE-GRM-GRK Series	29.00
GRL-GRH-GRHA-GRHC Series	58.00
EXB-664 N34	74.50
EXB-666 N34	103.05
EXB-8104 N34 / EXB-8106 N34	117.35
EXB-8126 N34 / EXB-8128 N34	103.05
EXB-10106 N34 / EXB-10108 N34	103.05
EXB-10146 N34 / EXB-10148 N34	131.60
EXB-12126 N34 / EXB-12128 N34	131.60
EXB-12186 N34 / EXB-12188 N34	174.40
EXB-12246 N34 / EXB-12248 N34	217.25
EXB-12368 N34 / EXB-123610 N34	288.60
EXB-14146 N34 / EXB-14148 N34	160.15
EXB-16166 N34 / EXB-16168 N34	188.70
EXB-16248 N34 / EXB-162410 N34	231.50
EXB-18186 N34 / EXB-18188 N34	188.70
EXB-18248 N34 / EXB-182410 N34	260.10
EXB-18368 N34 / EXB-183610 N34	331.45
EXB-203611 N34	360.00
EXB-24248 N34 / EXB-242410 N34	302.90
EXB-24368 N34 / EXB-243610 N34	417.10

FIXTURE SERIES	ADDER
EMI Series	31.76
EMH Series	31.76
EMM Series	31.76
EMS Series	31.76
EZH Series	31.76
EZM Series	31.76
EZS Series	31.76
EBF Series	31.76
ESX Series	31.76

PRICING INFORMATION & SPECIAL FEATURES

CUSTOM CONDUIT OPENINGS

JUNCTION BOXES
EXB, XB, XJB, GR, SWB, DB SERIES
Motor Starters, circuit Breakers, Panelboards, Disconnect Switches

CONDUIT SIZE	DRILLED AND TAPPED OPENINGS (1)	
	SYMBOL NUMBER	DIST. NET EA.
1/2	1	12.60
3/4	2	12.60
1	3	12.60
1 1/4	4	16.70
1 1/2	5	16.70
2	6	26.00
2 1/2	7	36.50
3	8	46.50
3 1/2	9	56.75
4	0	72.30

CONDUIT SIZE	UNION HUBS (2)	
	SYMBOL NUMBER	DIST. NET EA.
1/2	11	19.15
3/4	12	20.85
1	13	27.00
1 1/4	14	38.50
1 1/2	15	45.20
2	16	62.45
2 1/2	17	97.15
3	18	123.50
3 1/2	19	182.20
4	10	214.95

FLUSH SWITCH FITTINGS
FSQ, FDQ, VJ SERIES

CONDUIT SIZE	DRILLED AND TAPPED OPENINGS	
	SYMBOL NUMBER	DIST. NET EA.
1/2	1	4.10
3/4	2	4.10
1	3	4.10
1 1/4	4	6.70
1 1/2	5	6.70

SERIES HK/HKB ADDITIONAL MACHINING

SUFFIX	DIST. NET EA.
01	12.00
02	12.00
20	12.00
21	24.00
22	24.00
01S	12.00
02S	12.00
21S	24.00
22S	24.00
2S1S	24.00
2S2S	24.00
2S0	12.00
2S1	24.00
2S2	24.00

FOR HINGES INSTALLED
SUFFIX SU2

Basic Enclosure Series	Enclosure Sizes	Dist. Net Adder
DB Series	664 thru 12428	52.05
	16186 thru 16428	66.80
	18216 thru 203012	66.80
	16486 thru 164810	120.00
	24306 thru 243610	Hinge Standard
EXB Series	664 thru8106	52.05
XB Series	444 thru 886	52.05
	6186 thru 123610	119.60
XJB Series	5104 thru 5136	52.05
	5183 thru 242416	119.60

FOR PAN MOUNTING STUDS INSTALLED
SUFFIX SU8

When a pan is ordered separate from the enclosure and is not to installed, do not deduct these prices from the pan prices. The prices for pans are to be used whether or not the pan is installed or not.

Enclosure Series	Enclosure Size	Dist. Net Adder
DB	Enclosure with length less than 30"	46.60
	Enclosure with length of 30" and over	67.55
EXB XB & XJB	Furnished as standard feature	No Charge

(1) Conduit openings are drilled and tapped in the wall of the fitting or enclosure. Ample wall thicknes is provided to meet the requirements of U.L. and C.S.A.
(2) GUM Series unions are installed in drilled and tapped openings.

PRICING INFORMATION & SPECIAL FEATURES

ROUND SERIES GL / GLX COVERS'

Type GL for use with all EXB-XB (12"-14"-18"-20" width) All EXB-XB (12"-14"-18"-20" width) XJB (16"x48" & 24"x24" Sizes)		
Viewing Diameter	**Catalog Number**	**Installed Price**
2 3/4"	GL-275	140.65
3"	GL-300	169.50
3 3/4"	GL-375	252.10
5 3/8"	GL-537	420.75
6"	GL-600	518.50
7 3/4"	GL-775	613.20

Type GLX for use with all DB Boxes XB Boxes with 4:-6"-8"-10" width All XJB Boxes except 16"x48" & 24"x24"		
Viewing Diameter	**Catalog Number**	**Installed Price**
2 3/4"	GLX-275	140.65
3"	GLX-300	169.50
3 3/4"	GLX-375	252.05
5 3/8"	GLX-537	420.75
6"	GLX-600	518.50
7 3/4"	GLX-775	613.20

RECTANGULAR LENS SERIES GLXR'

For Use In Series EXB Boxes Only		
Viewing Area	**Catalog Number**	**Installed Price**
1' X 3"	GLXR13	151.45
2"X 4"	GLXR24	204.83
2"X7"	GLXR27	373.68
3 1/2"X4"	GLXR34	317.74
3"X6"	GLXR36	418.24
4"X7"	GLXR47	489.50
5"X9"	GLXR59	604.85

INSTALLATION CHARGE CBH AND EXH SERIES HANDLES

A distributor net price of $76.55 is charged for each CBH and/or EXH Series handle mechanism to be installed DB-EXB-XB-XJB enclosures. Prices **Do Not** include the cost of the CBH or EXH handle mechanism.

OPENINGS FOR "G" SERIES OPERATORS

A distributor net price of $13.05 is charged for each drilled and tapped opening per "G" Series operator

INSTALLATION OF "G" SERIES OPERATORS

A distributor net price of $11.80 is charged for assembly, installation, aligning and mounting of each operator.

SPECIAL NAMEPLATES

Add $3.90 distributor net price to assembly price for each special nameplate marking.

'Note: All lens prices include lens plus machining and installation.

Electrical Products Representatives

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Fax: (916) 383-1590
ees@ns.net

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Sunbelt Electrical Sales
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Fax: (303) 922-1144
sunbelt@sunbeltelec.com

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bybrewer@aol.com

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Fax: (954) 971-3102
frmftl@frminc.com

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Fax: (813) 623-3232
frmtpa@frminc.com

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ejordan@frminc.com

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Fax: (630) 238-9978
moynisales@worldnet.att.net

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Indianapolis, IN 46268
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Fax: (317) 334-9676
jeff@newcenturysalesinc.com

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Fax: (319) 373-8844
slbenton@rbsalescorp.com

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pearson@qni.com

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sebooker@alpickens.com

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Fax: (810) 229-8137
impact@tir.com

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LESCO, Inc.
2907 Louisiana Ave., North
Minneapolis, MN 55427
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lhalbur@lesco-inc.com

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eric@hainescorp.com

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kmcbrayer@frminc.com

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jamey@ameyco.com

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Fax: (610) 706-0161
currelect@aol.com

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Pittsburgh, PA 15201
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Fax: (412) 562-9028
gemco@sgi.net

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Fax: (901) 794-4486

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philip@ssco.net

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KL-DPL0800

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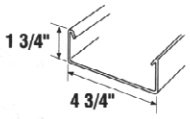
TWO-PIECE SURFACE STEEL RACEWAY

V4000 / G4000 Base, Cover and Divider

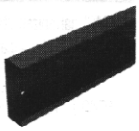
Ivory & Gray Finish

V4000B / G4000B BASE

.050" galvanized steel. Packed (5) - 10 ft. lengths per carton. Base has (2) 9/32" dia. KO's 1 1/4" from each end and on centers of approximately 18" throughout.

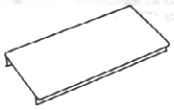


V4000B/ G4000B



V4000C / G4000C COVER*

.040" galvanized steel. Packed (10) 5 ft. lengths per carton.

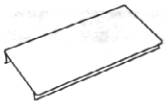


V4000C/ G4000C

NEW!

V4000C075 / G4000C075 7.5" PRE-CUT COVER

For mounting devices on 12" centers with 4007, 4046, 4048 and 4049 Series plates.

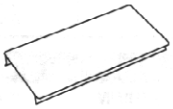


V4000C075/ G4000C075

NEW!

V4000C135 / G4000C135 13.5" PRE-CUT COVER

For mounting devices on 18" centers with 4007, 4046, 4048 and 4049 Series plates.

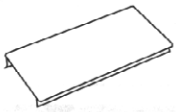


V4000C135/ G4000C135

NEW!

V4000C195 / G4000C195 19.5" PRE-CUT COVER

For mounting devices on 24" centers with 4007, 4046, 4048 and 4049 Series plates.



V4000C195/ G4000C195

NEW!

V4000C315 / G4000C315 31.5" PRE-CUT COVER

For mounting devices on 36" centers with 4007, 4046, 4048 and 4049 Series plates.

V4000C315/ G4000C315

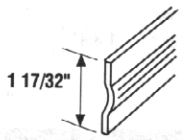
*4000C & 6000C are compatible with both 4000B & 6000B Raceway.

TWO-PIECE SURFACE STEEL RACEWAY
V4000 / G4000 Wire Capacities

G4000D DIVIDER

.040" galvanized steel. One side painted buff primer to provide identification of compartments.* Packed (10) 5 ft. lengths (50 ft.) per carton.

*G4001D divider clips are required to hold divider in place.



G4000D

4000 RACEWAY WIRE FILL CAPACITIES FOR POWER NON-DIVIDED / WITHOUT DEVICES

	WIRE SIZE THHN/THWN	O.D.	40% FILL
POWER WIRING	2 AWG	0.388	25
	4 AWG	0.328	17
	6 AWG	0.257	58
	8 AWG	0.218	80
	10 AWG	0.153	163
	12 AWG	0.122	257
	14 AWG	0.105	347

4000 RACEWAY WIRE FILL CAPACITIES DIVIDED WITHOUT DEVICES

	WIRE SIZE THHN/THWN	O.D.	40% FILL
POWER WIRING	2 AWG	0.388	13
	4 AWG	0.328	18
	6 AWG	0.257	29
	8 AWG	0.218	40
	10 AWG	0.153	81
	12 AWG	0.122	127
	14 AWG	0.105	171

4000 RACEWAY WIRE FILL CAPACITIES NON-DIVIDED WITH DEVICES

	WIRE SIZE THHN/THWN	3.41	40% FILL
POWER WIRING (SURGE/ GFCI STYLE PERPENDICULAR MOUNTED IN RACEWAY)	2 AWG	0.388	12
	4 AWG	0.328	16
	6 AWG	0.257	26
	8 AWG	0.218	37
	10 AWG	0.153	74
	12 AWG	0.122	117
	14 AWG	0.105	158

G4000 RACEWAY WIRE FILL CAPACITIES DIVIDED WITH DEVICES

	WIRE SIZE THHN/THWN	1.39	40% FILL
POWER WIRING (SURGE/GFCI STYLE PARALLEL MOUNTED IN RACEWAY)	2 AWG	0.388	5
	4 AWG	0.328	7
	6 AWG	0.257	11
	8 AWG	0.218	15
	10 AWG	0.153	30
	12 AWG	0.122	48
	14 AWG	0.105	64

16111 + CONDUIT FTGS

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965-403-3562

QUOTATION # _____

QUOTATION DATE 8-28-01

YOUR INQUIRY # SNS

QUOTE VALID FOR 30 DAYS

QUANTITY	DESCRIPTION	$ NET	U/M	EXTENSION
6800'	G4000B-10' Raceway			
6800'	G4000C- Cover			
	LOT PRICE →			19,904.00
				292.71-C
				2.93-FT
	SELL X 1.00			

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A tyco INTERNATIONAL LTD. COMPANY

9-5-01

X 1.05

SPECIAL INSTRUCTIONS/PRICE LEVEL

Prices Firm Thru 12/31/01 Prices Based on $1.34 per Pound

ITEM NO.	PROD. CODE	QTY.	SIZE, DESCRIPTION, PUT—UP	PRICE LEVEL	UNIT PRICE
1			1/2" Aluminum	37.65	
2			3/4	50.12	
3			1"	72.03	
4			1 1/4	95.94	
5			1 1/2	118.86	
6			2	158.79	
7			2 1/2	251.25	
8			3	330.04	
			3 1/2	396.10	
10			4	469.27	
11			5"	641.73	
12			6"	844.74	

RIGID ALUMINUM CONDUIT

Weights and Dimensions for Rigid Aluminum Conduit

Trade Size Designator		Approximate Weight per 100 Ft. (30.5M)		Nominal Outside Diameter		Nominal Wall Thickness		Quantity In Primary Bundle		Quantity		Master Bundles Approximate Weight[1]	
U.S.	Metric	lb.	kg.	in.	mm	in.	mm	ft	m	ft	m	lb.	kg
1/2	16	28.1	12.7	0.840	21.3	0.104	2.64	100	30.5	2500	762.5	706	318.4
3/4	21	37.4	17.0	1.050	26.7	0.107	2.72	100	30.5	2500	762.5	935	424.1
1	27	54.5	24.7	1.315	33.4	0.126	3.20	100	30.5	2000	610.0	1090	494.4
1 1/4	35	71.6	32.5	1.660	42.2	0.133	3.38	50	15.2	1000	304.8	716	324.8
1 1/2	41	88.7	40.2	1.900	48.3	0.138	3.51	50	15.2	1000	304.8	887	402.3
2	53	118.5	53.8	2.375	60.3	0.146	3.71	50	15.2	450	137.2	533.3	241.9
2 1/2	63	187.5	85.0	2.875	73.0	0.193	4.90	–	–	300	91.5	567.5	257.4
3	78	246.3	111.7	3.500	88.9	0.205	5.21	–	–	200	61.0	492.6	223.4
3 1/2	91	295.6	134.1	4.000	101.6	0.215	5.46	–	–	200	61.0	591.2	268.2
4	103	350.2	155.8	4.500	114.3	0.225	5.72	–	–	200	61.0	700.4	317.7
5	129	478.9	217.2	5.563	141.3	0.245	6.22	–	–	80	23.4	383.1	173.8
6	155	630.4	285.9	6.625	168.3	0.266	6.76	–	–	60	18.3	378.2	171.6

[1] Includes one coupling on each end.

WHEN THE SPEC SAYS "ALUMINUM", ALLIED DELIVERS A COMPLETE LINE OF CONDUIT, TUBING AND FITTINGS.

Allied Tube & Conduit, the leading manufacturer of steel conduit and tubing, now offers a broad line of rigid aluminum conduit, elbows and couplings plus aluminum electrical metallic tubing, elbows and set-screw couplings. When your specifications call for the properties of aluminum, Allied delivers.

- **Light Weight**
  Rigid aluminum conduit is approximately one third the weight of steel.
- **Corrosion Resistant**
  Aluminum resists most corrosive atmospheres in industrial environments.
- **Easy to Install**
  Aluminum conduit can be easily cut, bent and threaded without special tools.
- **Low Maintenance**
  Aluminum conduit does not corrode or leave discoloring streaks or stains.

ALUMINUM RIGID CONDUIT AND ALUMINUM EMT

allied®
TUBE & CONDUIT

A tyco INTERNATIONAL LTD. COMPANY

RIGID ALUMINUM CONDUIT

SPECIFICATION DATA

- **ALLOY:**
  Allied Rigid Aluminum Conduit is manufactured of 6063 alloy in temper designation T-1. The fittings are of the same alloy.

- **STANDARDS:**
  Allied Rigid Aluminum Conduit is listed by Underwriters' Laboratories to U.L. 6, "Standard for Rigid Metal Conduit" and is manufactured to ANSI C80.5. (Federal specification).

- **THREAD PROTECTORS:**
  Color-coded end caps keep threads clean and sharp and help provide trade size recognition. Even sizes are blue; 1/2 trade sizes are black; and 1/4 trade sizes are red.

RECOMMENDED INSTALLATION PRACTICES

CUTTING:
A hacksaw is recommended to cut trade sizes 1 1/4 and smaller. Larger trade sizes can be cut with power cut-off equipment.

BENDING:
Standard EMT benders, one size larger than the size of the conduit, should be used on conduit trade sizes 1 and smaller. For sizes over trade size 1, conventional equipment is recommended.

THREADING:
Sharp dies and conventional cutting oil should be used for aluminum conduit. A general purpose emulsifiable oil can provide excellent results.

FITTINGS:
Aluminum fittings are recommended; however, cadmium plated or galvanized fittings are satisfactory for most installations.

FISHING AND WIRE PULLING:
Small conduit: In trade sizes up to 1 1/2 and on shorter runs (up to 100 feet), polyethylene fish tapes can be used effectively. Also recommended are round, flexible, speedometer-type steel cables. Use of flat steel tapes should be avoided since they tend to jam in the bends, or if not used carefully, scrape and cut conduit walls.

Large Conduit: For pulling large conductors through larger conduit or longer runs, polypropylene rope is recommended. Steel pulling cables, especially when old or frayed, can damage steel or aluminum conduit.

IN SOIL OR CONCRETE:
Underwriters' Laboratories *Electrical Construction Equipment Directory* (UL Green Book) states that aluminum conduit used in concrete or in contact with soil requires supplementary corrosion protection. Examples are paints approved for the purpose (bitumastic paint, for example), tape wraps approved for the purpose, or PVC coated conduit.

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2001 Electrical Products Price Guide

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Carlon® Surface Raceway Systems

Carlon® Chimes

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Carlon® Bore-Gard®

Cement

Conduit Bodies & Junction Boxes

Conduit Clamps

Conduit Cutters

Control Line® NEMA 4X Disconnects & Pushbutton Stations

Curved Lid J-Box

Enclosures - Circuit Safe® NEMA, JIC & Pushbutton

Enclosures - Himeline™ Fiberglass

Expansion Couplings

FlexPlus® Blue™ ENT Conduit, Fittings, Boxes & Covers

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Nonmetallic Pipe, Fittings & Accessories

P&C Flex®

Plenum-Gard® Raceway System

PV Mold®

Riser-Gard® Raceway System

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Schedule 40 & 80 Standard & Special Radius Elbows

Snap-Loc® Spacers

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Weatherproof Covers & Lighting

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2EP01
Effective February 5, 2001

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CARFLEX® LIQUIDTIGHT FLEXIBLE CONDUIT AND FITTINGS SYSTEMS

Refer to Brochure 7B1

CARFLEX® LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
CARFLEX®-X-FLEX™ EXTRA FLEXIBLE NONMETALLIC TUBING
CARFLEX® LIQUIDTIGHT NONMETALLIC FITTINGS
CARFLEX® PRE-WIRED LIQUIDTIGHT WHIPS

FEATURES:

- NONCONDUCTIVE
- EASY TO INSTALL
- TOTALLY NONMETALLIC SYSTEM
- NO JAGGED EDGES
- STRONG YET LIGHTWEIGHT
- SMOOTH INTERIOR FACILITATES WIRE PULLING
- EXCELLENT CHEMICAL RESISTANCE
- EXCELLENT OIL RESISTANCE

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

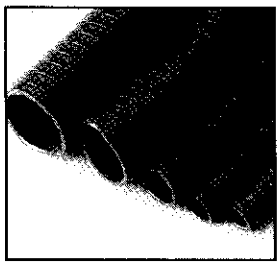
Carflex® Liquidtight Flexible Nonmetallic Conduit

Price Schedule Code 14

Listed
E79553

Joint Listed UL/CSA approved product available.*

CARFLEX LIQUIDTIGHT CONDUIT



Coil Part No.	Nom. Size (in.)	Coil Length (ft.)	Price Per Hunderd (ft.)	Reel Part No.	Reel Length (ft.)	Weight Per Hundred (ft.) (lbs.)	Price Per Hundred (ft.)
▶ 15004-100	3/8"	100	$ 81.12	15004-001	1000	12.8	$ 81.12
▶ *15005-100	1/2"	100	$ 84.56	15005-001	1000	13.3	$ 84.56
▶*15005BK-100	1/2"	100	$ 95.65	15005BK-001	1000	13	$ 95.65
▶ *15007-100	3/4"	100	$117.08	15007-001	1000	16.3	$117.08
*15008-100	1"	100	$235.62	15008-500	500	25.9	$235.62
15009-100	1 1/4"	100	$307.63	15009-200	200	33.9	$319.70
15010-100	1 1/2"	100	$435.94	15010-150	150	44.6	$444.32
15011-050	2"	50	$531.26	15011-100	100	61.7	$531.26

▶ UL Listed for direct burial.

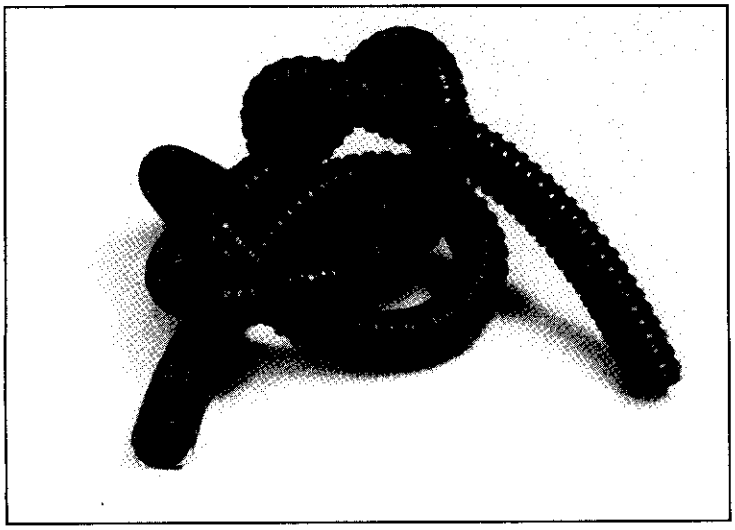
- UL Listed for use as indicated in Article 351 of the 1999 NEC
- Type B LFNC
- UL Listed for outdoor use.
- UL Listed for sunlight resistance.
- Trade sizes 1/2, 3/4 and 1 are UL listed for direct burial.
- Suitable for use at conduit temperatures of 80°C dry, 60°C wet and 60°C oil resistant as required by section 15-6 of ANSI/NFPA 79-1985 and UL 1660, (Liquidtight flexible conduits, metallic and nonmetallic, in contrast to rigid PVC conduit and electrical nonmetallic tubing, does not have wire temperature limitations. Any temperature rated wire (for example, 90°C wire) can be used as long as the temperature conditions marked on the conduit are not exceeded. UL Listed conduits that are not marked are limited to a maximum temperatures of 60° wet or dry.)

Carflex®-X-Flex™ Extra Flexible Nonmetallic Conduit

Price Schedule Code 14

E80040 ★ LR88170 ✣

CARFLEX X-FLEX TUBING



Part No.	Nom. Size (in.)	Coil Length (ft.)	Weight Per Hundred (ft.) (lbs.)	Price Per Hundred (ft.)
★15104-100	3/8"	100	7.4	$106.82
★✣15105-100	1/2"	100	10.7	$142.56
★✣15107-100	3/4"	100	12.4	$191.90
★✣15108-100	1"	100	20.5	$296.07
★15109-100	1 1/4"	100	31.0	$371.81
★15110-100	1 1/2"	100	38.0	$485.36
★15111-050	2"	50	32.0	$575.94

- Suitable for use at conduit temperatures of 60°C.
- Available in Black only.

UL Recognized where noted by ★
CSA Approved where noted ✣

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

CARFLEX FITTINGS

Price Schedule Code 14

For use with Carflex® conduit and Carflex®-X-Flex™ tubing

c UL us
Listed
E32447

Straight Fittings

Figure 1

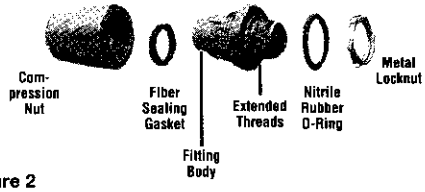


Figure 2

Figure 3

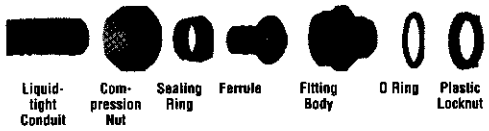


Figure 4

Part Number	Description	Std. Ctn. Qty.	Std. Ctn. Weight (lbs.)	Broken Carton Price Per Hundred	Standard Carton Price Per Hundred	Refer to Drawing
LT43C-CAR	⅜" straight	15	1.2	$ 340.60	$ 296.17	3, 4
LT43D-NEW	½" straight	50	4.14	$ 226.48	$ 196.94	1, 2
LT43E-NEW	¾" straight	50	6.55	$ 336.90	$ 292.96	1, 2
LT43F	1" straight	25	3.8	$ 550.09	$ 478.34	3, 4
LT43G	1¼" straight	5	1.5	$ 988.01	$ 859.14	3, 4
LT43H	1½" straight	5	1.8	$1375.38	$1195.98	3, 4
LT43J	2" straight	5	2.5	$2571.08	$2235.72	3, 4

90° Fittings

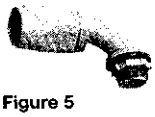


Figure 5

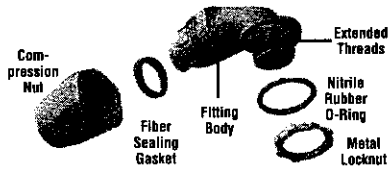


Figure 6

Figure 7

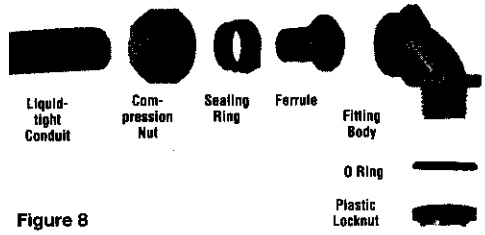


Figure 8

Part Number	Description	Std. Ctn. Qty.	Std. Ctn. Weight (lbs.)	Broken Carton Price Per Hundred	Standard Carton Price Per Hundred	Refer to Drawing
LT20C-CAR	⅜" 90°	15	1.6	$ 533.07	$ 463.54	7, 8
LT20D-NEW	½" 90°	50	4.9	$ 369.40	$ 321.22	5, 6
LT20E-NEW	¾" 90°	50	8.3	$ 473.67	$ 411.89	5, 6
LT20F	1" 90°	25	6.0	$1139.13	$ 990.55	7, 8
LT20G	1¼" 90°	5	1.9	$2018.86	$1755.53	7, 8
LT20H	1½" 90°	5	2.2	$2385.43	$2074.29	7, 8
LT20J	2" 90°	5	3.0	$3489.27	$3034.15	7, 8

INSTALLATION INSTRUCTIONS:

LT43C-CAR, LT43F thru J, LT20C-CAR, LT20F thru J.

1. Cut the end of the Carflex conduit or Carflex®-X-Flex™ tubing square.
2. Install compression nut and sealing gland ring over the end of the conduit or tubing.
3. Insert the ferrule end of the fitting into the conduit using a clockwise twisting action.
4. Screw fitting body into compression nut.
5. When installation is completed, use a wrench, tighten compression nut one-quarter (¼) turn past hand-tight. Do not over tighten fitting.

*To prevent damage to conductors, conduit and fittings, do not twist Carflex during installation.

LT43D-New, LT43E New, LT20D-New, LT20E-New.

1. Cut the end of the Carflex conduit or Carflex®-X-Flex™ tubing square.
2. Install compression nut over the end of the conduit or tubing.
3. Insert the ferrule end of the fitting into the conduit using a clockwise twisting action. (Be sure conduit is fully inserted to the bottom of the fitting shoulder).
4. Screw compression nut onto fitting body.
5. Use a wrench and tighten compression nut 1 (one) full turn past hand-tight. Do not over tighten fitting.

*To prevent damage to conductors, conduit and fittings, do not twist Carflex during installation.

Price Schedule Code 14

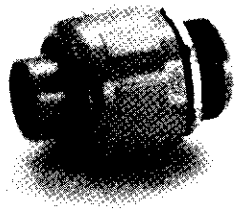
CARFLEX FITTINGS OMNI SERIES

LR201397

c UL us Listed E32447

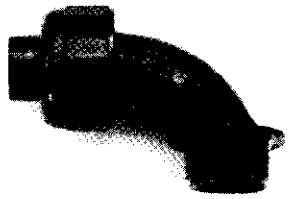
Straight Fittings

Black Part Number	Grey Part Number	Size	Std. Ctn. Qty.	Std. Ctn. Weight (lbs.)	Broken Carton Price Per Hundred	Standard Carton Price Per Hundred
LT38	LT38G	3/8"	50	3.8	$178.80	$155.48
LT50	LT50G	1/2"	50	3.4	$175.05	$152.22
LT75	LT75G	3/4"	25	2.5	$240.22	$276.25
LT100	LT100G	1"	20	2.4	$454.96	$395.62



90° Fittings

Black Part Number	Grey Part Number	Size	Std. Ctn. Qty.	Std. Ctn. Weight (lbs.)	Broken Carton Price Per Hundred	Standard Carton Price Per Hundred
LT938	LT938G	3/8"	25	1.92	$298.40	$259.48
LT950	LT950G	1/2"	25	1.84	$277.53	$241.33
LT975	LT975G	3/4"	20	2.0	$408.79	$355.47
LT9100	LT9100G	1"	10	1.56	$747.98	$650.42

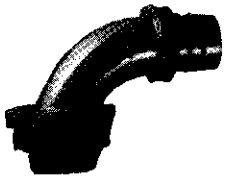


ONE PIECE PVC FITTINGS

(ASSEMBLED: Locknut, "O" Ring, & Foam Washer assembled onto fitting)

Price Schedule Code 14

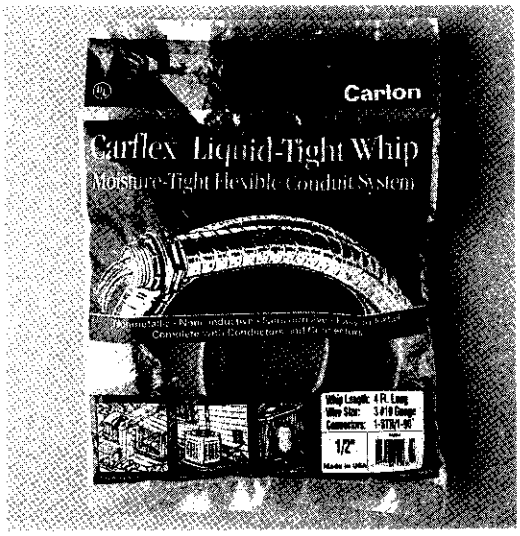
Part Number	Description	Std. Carton Qty.	Std. Ctn. Weight (lbs.)	Broken Ctn. Price Per Hundred	Standard Ctn. Price Per Hundred
LN43DA	½" Straight	100	2.9	$159.87	$139.02
LN43EA	¾" Straight	50	2.5	$240.56	$209.18
LN43FA-CAR	1" Straight	15	1.5	$334.08	$290.50

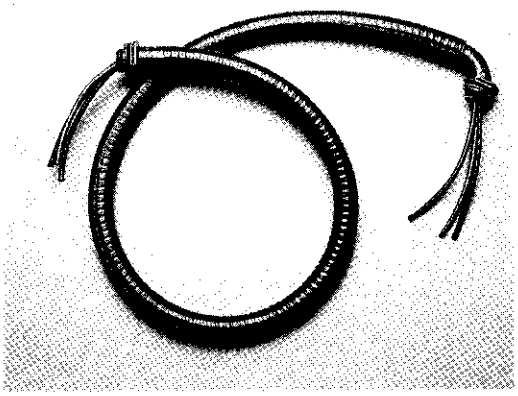


Part Number	Description	Std. Carton Qty.	Std. Ctn. Weight (lbs.)	Broken Ctn. Price Per Hundred	Standard Ctn. Price Per Hundred
LN20DA	½" 90°	100	5.8	$275.29	$239.38
LN20EA	¾" 90°	50	4.7	$424.90	$369.48
LN20FA-CAR	1" 90°	10	1.3	$782.55	$680.48

Listed
E155504

Price Schedule Code 14





Carflex® Liquidtight Whip assemblies save the customer time and hassle of having to hunt for the needed components. Our moisture tight, nonmetallic, flexible conduit system is ideal for installing swimming pool motors, hot tub spas, air conditioners, pumps, outdoor lighting and more.

Unlike plastic coated metal conduit, the Carlon® Carflex system has no metal core to fatigue, rust, or corrode. The Carflex system has no sharp edges or burrs to cut into the wire insulation. Metal conduit is subject to fatigue and penetration of moisture.

The Carflex Liquidtight Whip assembly is complete with Carflex moisture tight conduit, wire, one straight fitting, and one 90° fitting.

All this makes for quick and trouble free installation.

FEATURES

- Designed for easy installation
- Will not rust or corrode
- Can be used for many commercial and residential applications.
- Many applications such as; swimming pool filters, hot tub spas, air conditioners, pumps, etc.
- Available in 1/2" and 3/4" diameters
- Available in 4' and 6' lengths
- Each kit contains (1) straight and (1) 90° fitting
- Complete with (3) 8, 10 or 12 gauge wires

CARFLEX PRE-WIRED LIQUIDTIGHT WHIPS

Part Number	Description	Wire Size (Gauge)	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
WCD4	1/2" Carflex Whip - 4 foot	10	6 (poly bag)	10.6	$1441.52
WCD6	1/2" Carflex Whip - 6 foot	10	6 (poly bag)	15.8	$1762.74
WCE4	3/4" Carflex Whip - 4 foot	8	6 (poly bag)	12.4	$2382.48
WCE6	3/4" Carflex Whip - 6 foot	8	6 (poly bag)	15.8	$2869.42

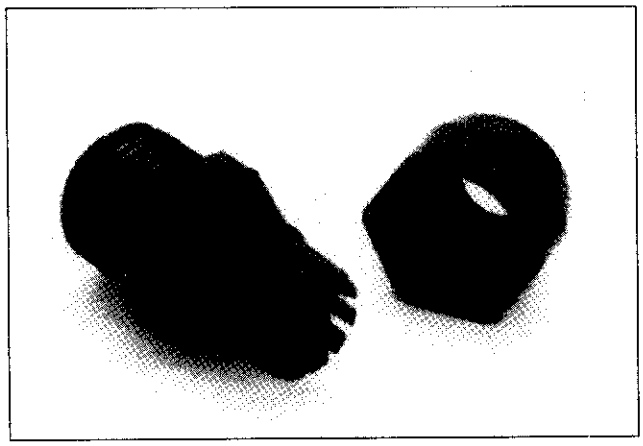
Part Number	Description	Wire Size (Gauge)	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
WCD3124	1/2" Carflex Whip - 4 foot	12	20 (bulk pack)	32.4	$1107.24
WCD3126	1/2" Carflex Whip - 6 foot	12	20 (bulk pack)	47.9	$1324.23
WCD3104	1/2" Carflex Whip - 4 foot	10	20 (bulk pack)	35.2	$1190.70
WCD3106	1/2" Carflex Whip - 6 foot	10	20 (bulk pack)	52.8	$1474.46
WCE3084	3/4" Carflex Whip - 4 foot	8	15 (bulk pack)	30.9	$1869.50
WCE3086	3/4" Carflex Whip - 6 foot	8	15 (bulk pack)	39.6	$2315.74

– NOTES –

Carlon®
LAMSON & SESSIONS

CARLON CORD GRIPS

Refer to Flyer 2F38



Rated for use NEMA Type 4X, NEMA Type 6P and IP68 environments.

CORD GRIPS - STRAIGHT PG HUBS

CORD GRIP - STRAIGHT NPT HUBS

Carlon's nonmetallic Cord Grips provide liquidtight strain relief connection for cables, cords, and tubing. Manufactured from rugged nylon 6/6, these cord grips are suitable for tough industrial, commercial, and agricultural environments.

FEATURES:

- CORROSION RESISTANT
- NONCONDUCTIVE
- RUGGED, SUITABLE FOR TOUGH ENVIRONMENTS

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 14

Listed E51579 LR93876

Patented 4,900,068

STRAIGHT PG STANDARD

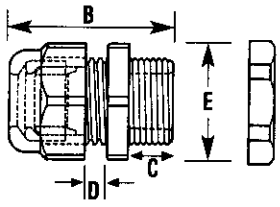
Size (PG)	Straight Part No. Black	Description	Std. Ctn. Qty.	Std. Ctn. Wt.	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
PG07	LH07	PG Cord Grip	100	1.3	$155.87	$135.54
PG09	LH09	PG Cord Grip	100	2.0	$158.91	$138.18
PG11	LH11	PG Cord Grip	100	2.6	$190.45	$165.61
PG13.5	LH13	PG Cord Grip	100	3.1	$209.08	$181.81
PG16	LH16	PG Cord Grip	50	2.1	$236.88	$205.98
PG21	LH21	PG Cord Grip	50	3.2	$330.95	$287.78

FEATURES

- New threads on body prevent skipping, speed installation.
- PG hub threads are steel conduit per DIN 40430.
- Six sizes for cable, tubing, etc.: PG07, PG09, PG11, PG13.5, PG16, and PG21.
- All nylon construction with TPE gland resists salt water, weak acids, gasoline, alcohol, oil, grease and common solvents.
- Suitable for NEMA type 4 and 6 enclosures.
- Locknuts are included.

STRAIGHT PG STANDARD HUBS

- Working temperatures: -22°F (-30°C) to 212°F (100°C). For short periods to 302°F (150°C).
- Protection Class IP68 per DIN 40050 up to 70 psi (5 Bar) water pressure.



Suggested Clearance Hole For Nonthreaded Mounting

Size (PG)	Straight Part No. Black	Description	Diameter of Cable or Wire Accommodated in. (mm)	A Clearance Hole in. (mm)	B Max O.A. Length in. (mm)	C Thread Length in. (mm)	D Wrenching Nut Thickness in. (mm)	E Wrenching Flats in. (mm)
PG07	LH07	Cord Grip, PG Threads	.114-.250 (2,9-6,4)	.492 (12,5)	1.17 (29,7)	.33 (8,4)	.22 (5,6)	.59 (15,0)
PG09	LH09	Cord Grip, PG Threads	.181-.312 (4,6-7,9)	.599 (15,2)	1.30 (33,0)	.34 (8,6)	.20 (5,1)	.75 (19,1)
PG11	LH11	Cord Grip, PG Threads	.230-.395 (5,8-10,0)	.733 (18,6)	1.46 (37,1)	.39 (9,9)	.20 (5,1)	.86 (21,8)
PG13.5	LH13	Cord Grip, PG Threads	.170-.470 (4,3-11,9)	.804 (20,4)	1.53 (38,9)	.41 (10,4)	.20 (5,1)	.95 (24,1)
PG16	LH16	Cord Grip, PG Threads	.230-.546 (5,8-13,9)	.886 (22,5)	1.66 (42,2)	.45 (11,4)	.23 (5,8)	1.05 (26,7)
PG21	LH21	Cord Grip, PG Threads	.450-.709 (11,4-18,0)	1.115 (28,3)	1.87 (47,5)	.52 (13,2)	.23 (5,8)	1.30 (33,0)

Carlon® recommends using the smallest maximum diameter fitting that will suit your application.

Listed E51579 LR93876

Patented 4,900,068

STRAIGHT NPT STANDARD

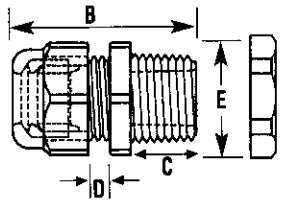
Size (NPT)	Straight Part No. Black	Straight Part No. Gray	Description	Std. Ctn. Qty.	Std. Ctn. Wt.	Broken Carton Price Per Hundred	Broken Carton Price Per Hundred
3/8"	LH38	LH38G	NPT Cord Grip	100	1.9	$175.74	$152.82
1/2"	LH50	LH50G	NPT Cord Grip	100	2.9	$195.42	$169.93
3/4"	LH75	LH75G	NPT Cord Grip	50	2.7	$354.72	$308.45
1"	LH100	LH100G	NPT Cord Grip	25	2.6	$602.99	$524.34

FEATURES

- New threads on body prevent skipping, speed installation.
- Four sizes for cable, tubing, etc. with diameters of 3/8", 1/2", 3/4" and 1".
- All nylon construction with TPE gland resists salt water, weak acids, gasoline, alcohol, oil, grease and common solvents.
- Suitable for NEMA type 4 and 6 enclosures.
- Locknuts are included.

STRAIGHT NPT STANDARD HUBS

- Working temperatures: -22°F (-30°C) to 212°F (100°C). For short periods to 302°F (150°C).
- Protection Class IP68 per DIN 40050 up to 70 psi (5 Bar) water pressure.



Suggested Clearance Hole For Nonthreaded Mounting

Size (NPT)	Straight Part No. Black	Straight Part No. Gray	Description	Diameter of Cable or Wire Accommodated in. (mm)	A Clearance Hole in. (mm)	B Max O.A. Length in. (mm)	C Thread Length in. (mm)	D Wrenching Nut Thickness in. (mm)	E Wrenching Flats in. (mm)
3/8"	LH38	LH38G	Cord Grip, NPT Threads	.181-.312 (4,6-7,9)	.670 (17,0)	1.49 (37,8)	.53 (13,5)	.20 (5,1)	.75 (19,1)
1/2"	LH50	LH50G	Cord Grip, NPT Threads	.170-.470 (4,3-11,9)	.875 (22,2)	1.72 (43,7)	.62 (15,7)	.20 (5,1)	.95 (24,1)
3/4"	LH75	LH75G	Cord Grip, NPT Threads	.450-.709 (11,4-18,0)	1.068 (27,1)	1.97 (50,0)	.63 (16,0)	.23 (5,8)	1.30 (33,0)
1"	LH100	LH100G	Cord Grip, NPT Threads	.590-1.000 (15,0-25,4)	1.375 (35,0)	2.42 (61,5)	.78 (19,8)	.28 (7,1)	1.66 (42,2)

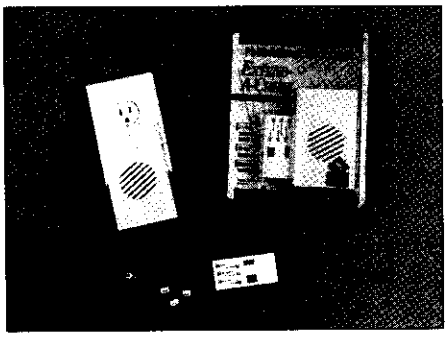
Carlon® recommends using the smallest maximum diameter fitting that will suit your application.

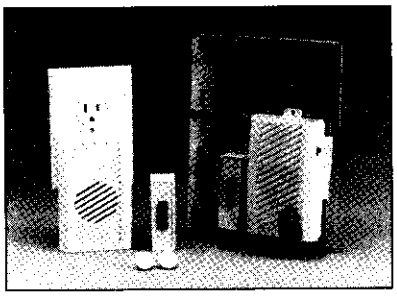
– NOTES –

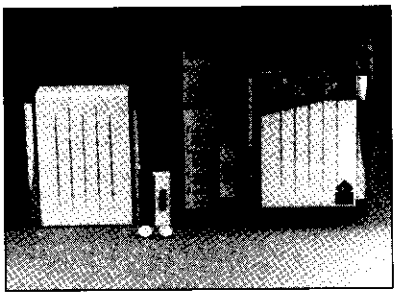
Carlon®
LAMSON & SESSIONS

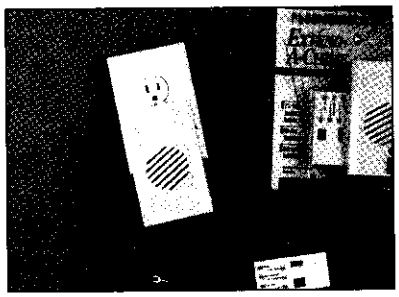
CARLON CHIME SYSTEMS

Refer to Brochure 2B41









CHIME KITS
CHIME BUTTONS

FEATURES:

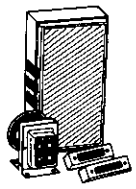
- FAST INSTALLATION WITH NO WIRING
- MODULAR CHIMES FOR EASY EXPANSION CAPABILITIES

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 18

Listed
E111503

CONTRACTOR CHIME KITS



Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
②CK225	White	36.0	12	$15.12	$13.15
①CK221RP	White	24.4	12	$14.00	$12.17

① Ready to install mechanical chime kit includes two white buttons, 16 volt transformer and white chime.
② Ready to install mechanical chime kit includes two lighted buttons, 16 volt transformer and white chime.

PLUG-IN EXTEND-A-CHIME

Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
RC3200	White	4.5	6	$54.53	$47.42

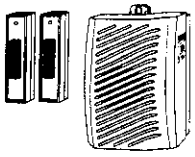
Connects to existing wired doorbells; 6 sounds (set at transmitter) 6 standard carton, different sounds for front/back door.

PLUG-IN DOOR CHIME

Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton. Price Per (ea.)
RC3250	White	4.5	6	$54.50	$47.39

Six sounds (set at button); long-life battery included; volume control; 32 changeable codes; 150 ft. operating range.

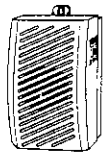
PLUG-IN DOOR CHIME



Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
RC3252	White	4.9	6	$64.91	$56.44

Two buttons, batteries included; same features as RC3250.

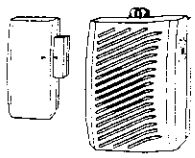
PLUG-IN DOOR CHIME RECEIVER ONLY



Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
RC3253	White	3.8	6	$44.15	$38.39

Extra door chime receiver for RC3200; RC3250; RC3252; RC3260; RC3304; RC3306; RC3722.

PLUG-IN ENTRANCE ALERT CHIME



Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
RC3260	White	4.8	6	$56.01	$48.70

Sounds when door opens; 6 sounds (set at transmitter); 32 changeable codes.

WHITE DOOR CHIME BUTTON

Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
RC3301	White	1.3	6	$20.13	$17.50

Works with RC3410, RC3412, RC3610, RC3620, RC3304, RC3306, RC3720, RC3250, RC3200, RC3253, RC3252, RC3260; long-life battery included; 150 ft. operating range. Features tone scrolling button.

BLACK DOOR CHIME BUTTON

Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
RC3311	Black	.8	6	$25.32	$22.02

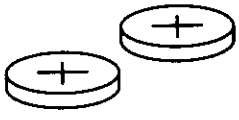
Black button with brass insert; same features as RC3301.

BRASS DOOR CHIME BUTTON

Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton Price Per (ea.)
RC3321	Brass	1.3	6	$25.32	$22.02

Brass button, same features as RC3301.

3-VOLT BUTTON CELL BATTERIES



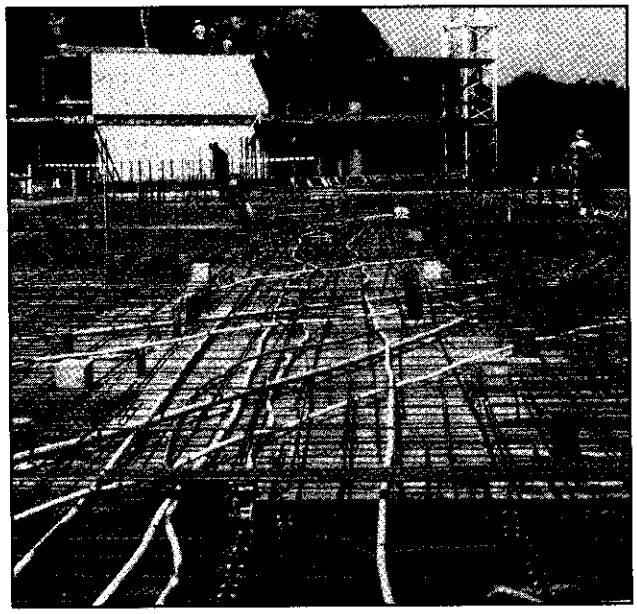
Part No.	Color	Std. Carton Weight (lbs.)	Std. Carton Quanity	Broken Carton Price Per (ea.)	Full Carton. Price Per (ea.)
RC3395	N/A	.5	12	$6.10	$5.30

– NOTES –

Carlon®
LAMSON & SESSIONS

FLEX-PLUS® BLUE™ ENT ELECTRICAL NONMETALLIC TUBING, FITTINGS AND ACCESSORIES

Refer to Brochure 2B34



FEATURES:

- UP TO 50% SAVINGS IN INSTALLED COST
- COMPETITIVELY PRICED WITH EMT
- UL LISTED, CSA CERTIFIED
- NONCONDUCTIVE
- CORROSION RESISTANT
- HAND BENDABLE
- LIGHTWEIGHT

FLEX-PLUS BLUE ENT ELECTRICAL NONMETALLIC TUBING
ONE PIECE QUICK CONNECT COUPLINGS & TERMINATORS
4" MUD BOXES WITH COVERS
QUICK CONNECT OUTLET & SWITCH BOXES & ACCESSORIES
ENT BOX WITH ADAPTERS & ENT BOX EXTENDERS
QUICK CONNECT 4" OCTAGON CEILING BOXES & ROUND COVERS
CONDUIT CUTTERS & ENT CEMENT
ENT SPECIFICATIONS & GUIDELINES

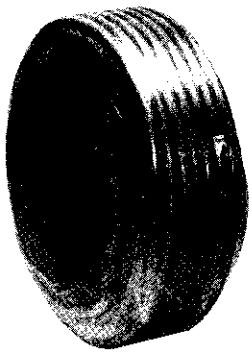
1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 15

Listed E73317

LR83850

ELECTRICAL NONMETALLIC TUBING — COILS



Listed for Use with 90°C Conductors

Standard Carlon® Blue™* – Recommended for Power Conductors

Part No.	Size	O.D.	Wt. Per 100 Ft.	Coil Length (ft.)	Price Per Hundred (Ft.)
12005-200	½"	.840	9.5	200	$33.94
12007-100	¾"	1.050	12.9	100	$46.93
12008-100	1"	1.315	16	100	$75.34

* The solid blue color of ENT conduit used for power conductors is a registered trademark of Carlon.

Yellow** – Recommended for Communication Conductors

Part No.	Size	O.D.	Wt. Per 100 Ft.	Coil Length (ft.)	Price Per Hundred (Ft.)
12005Y-200	½"	.840	10.3	200	$36.72
12007Y-100	¾"	1.050	13.6	100	$50.74
12008Y-100	1"	1.315	21.5	100	$81.55

Red** – Recommended for Fire Protective Signaling Conductors

Part No.	Size	O.D.	Wt. Per 100 Ft.	Coil Length (ft.)	Price Per Hundred (Ft.)
12005R-200	½"	.840	10.3	200	$36.72
12007R-100	¾"	1.050	13.6	100	$50.74
12008R-100	1"	1.315	21.5	100	$81.55
12011R-500	2"	2.375	31.6	500	$215.99

** All fittings and boxes are standard Carlon® Blue™. The development of red and yellow tubing was accomplished at the request of engineers desiring color coded conduits to identify fire protective signaling conductors and communication conductors on the job for safety purposes. Blue ENT continues to indicate to the trade, as it always has, a conduit for power conductors made solely by Carlon.

ELECTRICAL NONMETALLIC TUBING – 10 FT. LENGTHS

Listed for Use with 90°C Conductors

Standard Carlon® Blue™* – Recommended for Power Conductors

Part No.	Size	O.D.	Wt. Per 100 Ft.	Ft. Per Bundle	Feet Per Pallet	Price Per 100 Feet
12005-UPC	½"	.840	10.8	200	6400	$33.94
12007-UPC	¾"	1.050	13.9	100	4000	$46.93
12008-010	1"	1.315	19.1	100	3200	$75.34

Carlon reserves the right to round order to nearest package quantity.

* The solid blue color of ENT conduit used for power conductors is a registered trademark of Carlon.

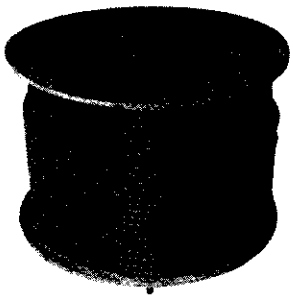
Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Listed E73317

LR83850

Price Schedule Code 15

ELECTRICAL NONMETALLIC TUBING – REELS



Listed for Use with 90°C Conductors

Standard Carlon® Blue™* – Recommended for Power Conductors

Part No.	Size	O.D.	Wt. Per Hundred (ft.)	Reel Length (ft.)	Price Per Hundred (ft.)
12005AK-001	½"	.840	12.9	1500	$ 35.26
12007AA-001	¾"	1.050	17.6	1000	$ 52.00
12008-750	1"	1.315	19.1	750	$ 76.60
12009-750	1¼"	1.660	18.4	750	$103.45
12010-750	1½"	1.900	39.2	750	$142.24
12011-500	2"	2.375	31.6	500	$165.52

* The solid blue color of ENT conduit used for power conductors is a registered trademark of Carlon.

Yellow** – Recommended for Communications Conductors

Part No.	Size	O.D.	Wt. Per Hundred (ft.)	Reel Length (ft.)	Price Per Hundred (ft.)
1205AKY-001	½"	.840	10.3	1500	$38.16
1207AAY-001	¾"	1.050	13.6	1000	$55.89
12008Y-750	1"	1.315	19.1	750	$81.55

In Canada, the 1/2, 3/4 and 1 inch sizes are FT-4 rated for use in buildings.

Red** – Recommended for Fire Protective Signaling Conductors

Part No.	Size	O.D.	Wt. Per Hundred (ft.)	Reel Length (ft.)	Price Per Hundred (ft.)
1205AKR-001	½"	.840	10.3	1500	$38.16
1207AAR-001	¾"	1.050	13.6	1000	$55.89
12008R-750	1"	1.315	19.1	750	$81.55

**All fittings and boxes are standard Carlon® Blue. The development of red and yellow tubing was accomplished at the request of engineers desiring color coded conduits to identify fire protective signaling conductors and communication conductors on the job for safety purposes. Blue ENT continues to indicate to the trade, as it always has, a conduit for power conductors made solely by Carlon.

ENT may show color deterioration in direct sunlight over an extended period of time. It is suggested that all ENT products not be stored outside. Since this product is not intended for use outdoors, it should not be exposed to extended periods of direct sunlight.

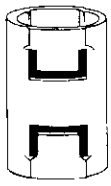
Guide Specifications for ENT on page 25.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 15

Listed E86720 LR92248

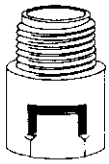
Except where noted by ▶



U.S. Patent Number 4,989,905

ONE PIECE QUICK CONNECT COUPLING

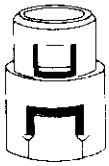
Part No.	Size	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A240D	½"	150	2.9	$ 80.22	$ 69.76
A240E	¾"	100	3.0	$105.01	$ 91.31
A240F	1"	50	2.3	$184.40	$160.35



U.S. Patent Number 4,989,905

ONE PIECE QUICK CONNECT THREADED MALE ADAPTERS

Part No.	Size	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A243D	½"	150	2.6	$112.30	$ 97.65
A243E	¾"	100	2.3	$217.32	$188.97
A243F	1"	50	2	$327.15	$284.48



U.S. Patent Number 4,989,905

ONE PIECE QUICK CONNECT SNAP-IN TERMINATOR ADAPTERS

Part No.	Size	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A253D	½"	150	2.8	$ 72.92	$ 63.41
A253E	¾"	100	2.9	$134.18	$116.68
A253F	1"	50	2.3	$215.63	$187.50

FLAT WASHER

Price Schedule Code 7

Part No.	Size	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
▶ E943DW	½" (16 mm)	125	.5	$43.23	$37.59
▶ E943EW	¾" (21 mm)	125	.5	$46.32	$40.28
▶ E943FW	1" (27 mm)	100	.5	$52.50	$45.65

When One Piece Quick Connect Snap-In Terminator Adapters are installed in a concrete application, Carlon's flat sealing washers must be used on the box connection ends.

Carlon one piece ENT Quick Connect Couplings, Threaded Adapters and Snap-In Terminator Adapters are suitable for damp locations. Quick Connect Couplings and Threaded Adapters are concrete-tight when used with Carlon ENT.

All Schedule 40 fittings are compatible with ENT when using ENT cement.

Schedule 40 fittings are recommended for use with Carlon 1¼" - 2" Flex-Plus Blue ENT.

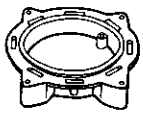
Use of ENT Blue Quick-Set Cement is required. See page 24 for details.

2½" & 4" Mud Boxes With Covers

Price Schedule Code 15

Listed E42728 LR31146

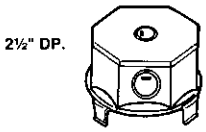
BASE RINGS

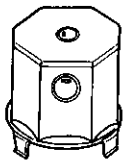


Part No.	Description	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
• A861	Without ground lug	10	2.5	$270.65	$235.35
CA861G	With ground lug	10	2.0	315.03	$273.94

• Listed for use with ceiling fans up to 35 lbs..

COVERS

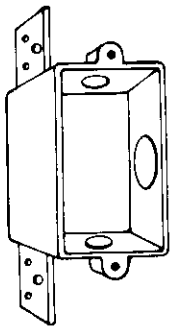




Part No.	Description	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A862D	2½" Deep (½" KO's)	10	2.5	$212.19	$184.51
A862E	2½" Deep (¾" KO's)	10	2.1	$212.19	$184.51
A864D	4" Deep (½" KO's)	10	2.9	$453.19	$394.08
A864E	4" Deep (¾" KO's)	10	2.9	$453.19	$394.08
A864F	4" Deep (1" KO's)	10	3.0	$453.19	$394.08

Quick Connect Outlet and Switch Boxes

Price Schedule Code 15

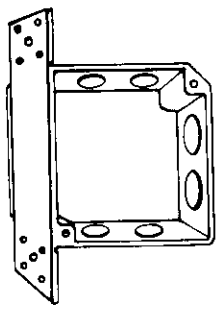


Listed E42728

SINGLE GANG – 16 CU. IN.

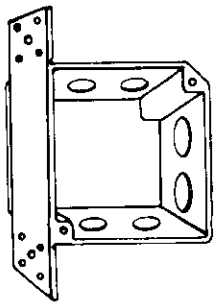
Part No.	Description	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
† A58381D	3x2¼x3 (½" KO's)	25	4.6	$201.41	$175.14
† A58381E	3x2¼x3 (¾" KO's)	25	4.6	$237.35	$206.39

TWO GANG – 20 CU. IN.



Part No.	Description	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
† A52151D	4x4x1½ (½" KO's)	100	22.6	$204.75	$178.04
† A52151E	4x4x1½ (¾" KO's)	100	22.6	$215.51	$187.40
† A521DE	4x4x1½ (½" & ¾" KO's)	100	22.6	$215.51	$187.40

TWO GANG – 30.3 CU. IN.



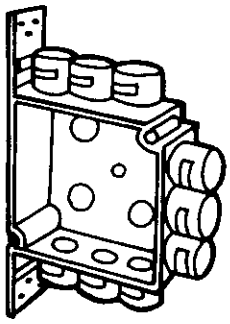
Part No.	Description	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
† A52171D	4x4x2⅜ (½" KO's)	25	7.6	$260.91	$226.88
† A52171E	4x4x2⅜ (¾" KO's)	25	7.6	$260.91	$226.88
† A5217DE	4x4x2⅜ (½" & ¾" KO's)	25	7.6	$262.52	$228.28

† Suitable for Masonry Walls.

ENT Box With Adapters

Price Schedule Code 15

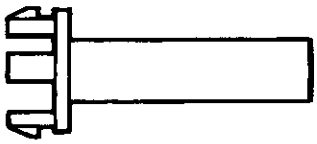
Listed E42728 except where noted by ►



TWO GANG – 24.75 CU. IN. ENT BOX WITH ADAPTERS

Part No.	Size	Standard Carton Qty,	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A5329DE	4x4x1¾ (½" & ¾" KO's)	50	14.8	$484.28	$421.11

BOX BACK WALL SUPPORT



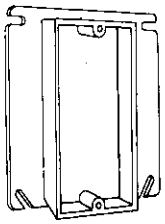
Part No.	Size	Standard Carton Qty,	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
►A540DS	For use with ½" Knockout	100	2.1	$75.93	$66.03

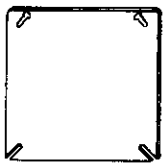
ENT Box Entenders

Price Schedule Code 15

Listed E42728

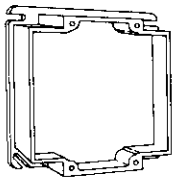
SINGLE GANG





Part No.	Rise	Cu. In.	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price per Hundred	Full Carton Price per Hundred
A410	½"	3.5	100	7.7	$ 94.81	$ 82.44
A411	⅝"	4.2	50	4.6	$110.57	$ 96.15
A412	¾"	5.0	50	5.1	$127.33	$110.72
A413	1"	6.6	40	5	$153.10	$133.13
A414	1¼"	8.1	30	4.4	$163.19	$141.90

TWO GANG



Part No.	Rise	Cu. In.	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price per Hundred	Full Carton Price per Hundred
A400	Blank	–	100	7.7	$ 71.38	$ 62.07
A420	½"	6.1	75	5.0	$133.20	$115.83
A421	⅝"	7.4	50	4.2	$146.56	$127.44
A422	¾"	8.8	50	4.8	$146.56	$127.44

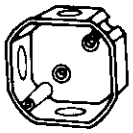
Quick Connect 4" Octagon Ceiling Boxes

Listed
E42728

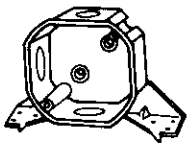
Price Schedule Code 15

QUICK CONNECT 4" OCTAGON CEILING BOXES (IN CARLON BLUE)

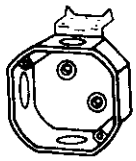
Carlon ceiling boxes and round plaster rings are produced from a special high heat resistant engineered plastic material developed specifically for fixture support.



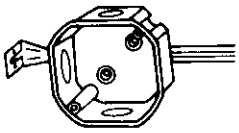
Ceiling Box
20.5 cu. in.



Ceiling Box w/J Mount
20.5 cu. in.



Ceiling Box w/L
Bracket
20.5 cu. in.



Ceiling Box w/Adjustable
Hanger Bar – 20.5 cu. in.

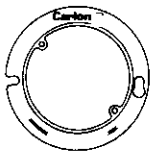
Adjust from
14¼" to 23¼"

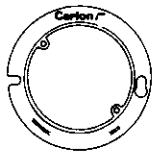
Part No.	Size	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A615D	4" - 2⅛" Deep (½" KO's)	50	6.4	$231.08	$200.94
A615E	(¾" KO's)	50	6.4	$242.90	$211.22
A615DE	(½" & ¾" KO's)	50	6.4	$238.31	$207.23
A615DJ	4" - 2⅛" Deep (½" KO's)	50	18.7	$927.43	$806.46
A615DL	4" - 2⅛" Deep (½" KO's)	50	12.9	$773.16	$672.31
A615DH	4" - 2⅛" Deep (½" KO's)	25	13.6	$839.78	$730.24

Note: Listed for fixture support up to 50 lbs.

Round Covers for Octagon Ceiling Boxes

Listed
E42728



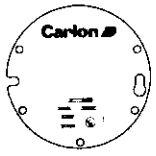


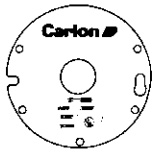
Price Schedule Code 15

ROUND PLASTER RINGS

Part No.	Rise	Cu. In.	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A471	½"	3.2	100	3.3	$128.83	$112.03
A472	¾"	4.0	100	3.7	$136.40	$118.61

Note: Listed for fixture support up to 50 lbs.





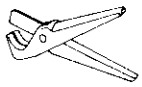
ROUND BLANK COVERS

Part No.	Rise	Cu. In.	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price per Hundred	Full Carton Price per Hundred
E460R-CAR	Blank	–	35	2.2	$93.35	$81.17
A470D	Blank w/½" KO	–	100	6.2	$97.00	$84.35

Price Schedule Code 12

CONDUIT CUTTERS

KWIKCUT CUTTER



Part No.	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Broken Carton Price (ea.)	Full Carton Price (ea.)
CC120	25	15.5	$21.94	$19.08

For fast, smooth field cuts of ½" through 1" Schedule 40 and 80 rigid nonmetallic conduit, Flex-Plus® Blue® ENT, and Carflex® liquid tight flexible nonmetallic conduit.

Tool length 8"

CUT-A-WAY™ CUTTER

Part No.	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Broken Carton Price (ea.)	Full Carton Price (ea.)
CC125	12	9.9	$73.14	$63.60

For fast, smooth field cuts of ½" through 1¼" Schedule 40 and 80 rigid nonmetallic conduit.

Tool length 9"

PVC CUTTER

Part No.	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Broken Carton Price (ea.)	Full Carton Price (ea.)
CC122	1	2.7	$152.38	$132.50

For fast, smooth field cuts of ½" through 2" Schedule 40 and 80 rigid nonmetallic conduit.

Tool length 17½"

CEMENT

Price Schedule Code 16

ENT BLUE QUICK-SET CEMENT

Part No.	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
VC9992	Quart - Brush Top	12	27.8	$1424.75	$1238.91

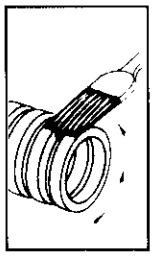
Carlon reserves the right to round orders to the nearest package quantity.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Concrete Encasement Guidelines

Carlon new quick connect one piece fittings are approved for concrete-tight installations. For sizes larger than 1" the use of standard Carlon® solvent weld fittings with the proper ENT cement is recommended.

1. Cut ENT square and cleanly.
2. Insert end into fitting, making sure two (2) full corrugations are snapped into fitting beyond flexible tabs (2 clicks).
3. ENT should be tied to rebar at 2-3 foot intervals to prevent flotation. Keep ENT straight. Small deflections over a long run may accumulate significant degrees of bend which will affect conductor installation. Suitable materials include wire, tie wraps, and tape.
4. When using UL solvent weld fittings for concrete tight performance:



A. Do not use chemical primer or cleaner.

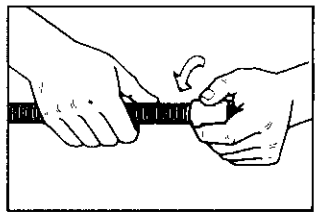
B. Apply a light, uniform coat of cement labeled for use with ENT on the coupling and ENT.

C. Do not use a dauber.

D. Brush excess cement out of ENT grooves.

E. Promptly insert ENT into fitting while cement is wet, until the stop is reached, and give a quarter turn.

F. Do not disturb until joint is set.



Specifications for ENT (Electrical Nonmetallic Tubing)

1.1 Electrical Nonmetallic Tubing (ENT), is designed to replace EMT, flexible metal conduit or other raceway or cable systems, for installation in accordance with Article 331 of the National Electrical Code, other applicable sections of the Code, and local codes.

1.2 Any ENT used shall meet the requirements of UL Standard UL 1653 and shall be listed by Underwriters Laboratories, Inc., as suitable for its intended purpose.

1.3 ENT shall be recognized by a CABO National Evaluation Report for use in 1-hour and 2-hour rated construction.

1.4 Penetration of fire rated walls, floors or ceilings shall use classified Through-Penetration Firestop Systems described in the current Underwriters Laboratories Fire Resistance Directory.

1.5 Fittings and outlet boxes shall be designed for use with ENT and listed by Underwriters Laboratories. All fittings, boxes and accessories shall be from one manufacturer.

1.6 Only Carlon ENT Blue cement recommended specifically for use with ENT shall be used.

1.7 Unless indicated differently on drawings, ENT systems shall be color coded: BLUE for branch and feeder circuit wiring, YELLOW for communications, and RED for fire alarm and emergency systems.

1.8 ENT, fittings, and accessories shall be manufactured by Carlon.

ELECTRICAL NONMETALLIC TUBING (ENT)

SPECIFICATION FOR ENT:

- Electrical Nonmetallic Tubing (ENT) is designed to replace EMT, flexible metal conduit or other raceway systems in accordance with Article 331 of the National Electrical Code, other applicable sections of the Code and local codes.
- Any ENT used shall meet the requirements of UL 1653 and NEMA TC-13 and shall be listed by Underwriters Laboratories, Inc.
- ENT shall be recognized by The National Evaluation Service, Inc. for use in fire resistive construction.
- Penetration of fire rated walls, floors or ceilings shall use classified Through-Penetration Firestop Systems described in the current Underwriters Laboratories Fire Resistance Directory.
- Fittings and outlet boxes shall be designed for use with ENT and listed by Underwriters Laboratories. All fittings, boxes and accessories shall be manufactured by CARLON.
- Only CARLON ENT Blue cement recommended specifically for use with ENT shall be used.
- Unless indicated differently on drawings, ENT systems shall be color coded: BLUE for branch wiring, YELLOW for communications wiring, and RED for fire alarm and emergency systems.

FEATURES:

- UL Listed, Trade Sizes (½" to 2")
- UL recognizes the use of PVC Schedule 40 cement type fittings with all sizes of ENT
- ENT ambient temperature range -4 deg F (installation) to 122 deg F
- ENT rated for 90 deg C conductors
- One piece ENT Coupling, Threaded Terminator and Schedule 40 Transition Fitting are rated concrete tight without tape by UL Recognized in current NEC ref. Article 331
- Recognized for use in 2-hour fire resistive nonload bearing and load bearing wall assemblies per NER-290
- Recognized for use in 1-hour fire resistive nonload bearing wall assemblies per NER-290
- Recognized for use in a fire resistive ceiling assembly (up to 3 hours) per NER-290
- Recognized for Through-Penetration Firestop systems as classified by UL to meet BOCA, SBCCI and ICBO codes.
- Nonconductive /noncorrosive pliable raceway system
- Packaged in sticks, coils and reels
- Available in three colors: Blue, Yellow and Red for color coding
- Complete line of fittings & accessories specifically designed for use with ENT
- Hand bendable - does not require special tools*
- Easy to cut length needed for installation - reduces scrap*
- Conductors easily push through the raceway (up to approximately 50 feet)*
- Lightweight makes it easy to handle on the job*

*Speed of installation keeps the job on schedule despite unexpected obstacles. Lower installation costs allow for savings to be reallocated to upgrade other areas, such as; lighting, dimming, etc.

APPROVED USES:

- Concrete slab ref. current NEC Article 331
- Walls - wood stud, masonry and metal stud ref. current NEC Article 331.
- Ceilings - permanent or dropped (free air only) ref. current NEC Article 331.
- Exposed - buildings not in excess of 3 stories ref. current NEC Article 331, concealed for floors above 3 stories, ref. 15 minute finish rating
- Public Assembly ref. current NEC Section 518-4, in nonfire rated and certain five rated structures
- Prewired, current NEC Article 331
- Classified by UL 1479 for Through Penetration Firestop Systems in UL Guide Category XHEZ and current UL Fire Resistance Directory
- Three hour rated floor/ceiling assemble

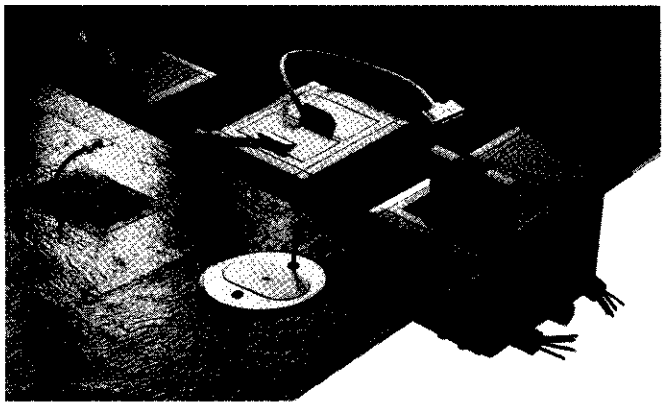
TYPICAL APPLICATIONS:

- Residential: Low or high rise - multi or single family
- Commercial: Low or high rise - office, retail, hotel/motel, restaurant, etc.
- Nursing Homes/Hospitals in nonpatient care areas only
- Schools, classrooms, dormitories, offices
- Fire Alarm Systems
- Recreational vehicles and parks
- Solar Photovoltaic systems
- Marinas and boatyards
- Other uses per the current NEC

Carlon®
LAMSON & SESSIONS

FLOOR BOX SYSTEMS

Refer to Brochure 2B38



FEATURES:

- NONCONDUCTIVE
- DURABLE
- CORROSION RESISTANT
- CAN BE USED FOR BOTH POWER AND DATACOM IN SAME INSTALLATION
- RECTANGULAR FLOOR BOX IS GANGABLE
- LISTED UL AND cUL FOR CONCRETE ENCASEMENT AND WOOD/METAL FRAME CONSTRUCTION

ROUND FLOOR BOX SYSTEM

ROUND FLOOR BOX COVERS AND ADAPTERS

RECTANGULAR NONMETALLIC FLOOR BOX SYSTEM

RECTANGULAR FLOOR BOX COVERS

TECHNICAL DATA - FLOOR BOX

ADJUSTABLE RESIDENTIAL FLOOR BOXES

Today's commercial office/retail environment is placing increasing demands on telephone, data and power requirements. These dynamics demand construction decisions to meet existing needs, yet accommodate future changes. In addition, containing construction costs and providing fit-up flexibility remain important in the building design process.

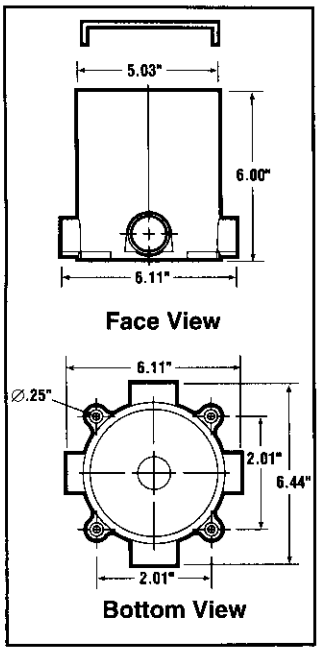
The design, installation and application of floor boxes in today's office and retail sites no longer need to be limited by past product designs.

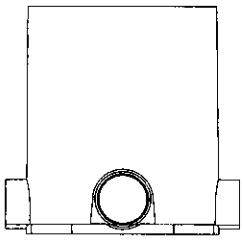
1. **Carlon reserves the right to round orders to the nearest package quantity.**
2. **Prices subject to change without notice.**
3. **Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.**

Price Schedule Code 11

LR31146

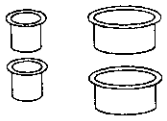
Listed
E42728





FLOOR BOX BASE

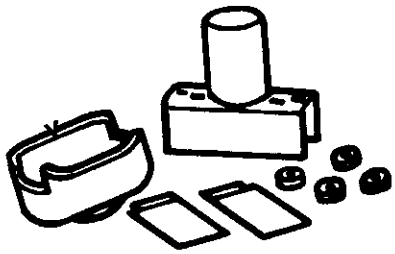
Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E971FB	Grey	10	15.6	$2458.61	$2137.92



REDUCER PLUGS

Part No.	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E971C	¾" x ½"	100	2.1	$168.81	$146.79
E971D	1 x ¾"	100	3.2	$186.79	$162.43

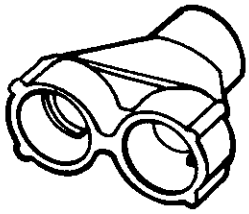
Carlon® deep box allows for various thicknesses of concrete pours. Trim out is easy — just use a handsaw to cut off box at desired height to accommodate carpet, tile, or other flooring. Carlon leveling ring guarantees a level top every time, even if the box is tipped slightly during the pouring process.
Reducer plugs are included and are sold separately when needed.



MULTI-SERVICE DIVIDER KIT

Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E973K	Grey	10	3	$4091.41	$3557.75

This adapter kit for Carlon E971FB round floor box allows for 2 or 3 partitioned areas within the box totally segregating the power, data, and communications wiring from one another. For use with nonmetallic covers only.



¾" Y FITTING

Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E972Y	Grey	10	2.1	$398.50	$346.52

When used with floor boxes, this fitting provides for in and out service from a single 1" port. Allows for two ¾" parallel conduit runs to adapt into a single conduit body port.

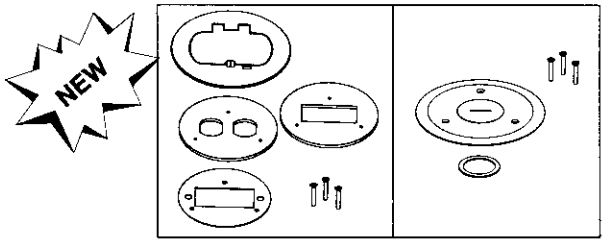
Carlon reserves the right to round orders to the nearest package quantity.

Price Schedule Code 11

Listed
E42728

LR31146

Except where noted by ◀



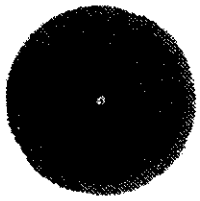
Brass Cover for Duplex and GFCI Receptacles E97BR

Brass Cover for Single or 1-1/4" NPS Opening E97BRG

BRASS FLOOR BOX COVERS

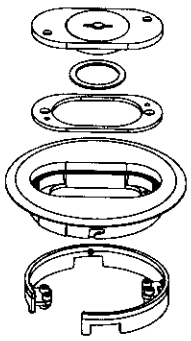
Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E97BR	Brass	5	7	$8372.00	$7280.00
E97BRG	Brass	5	7.5	$8372.00	$7280.00

NONMETALLIC DESIGNER SERIES DUPLEX RECEPTACLE FLUSH MOUNT COVER



Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
◀E97DSB	Brown	10	5.8	$2199.84	$1912.90
◀E97DSC	Caramel	10	5.7	$2199.84	$1912.90
◀E97DSI	Ivory	10	5.2	$2512.80	$2185.04
◀E97DSS	Slate	10	5.6	$2199.84	$1912.90
◀E97DST	Taupe	10	5.7	$2512.80	$2185.04

NONMETALLIC COVERS WITH 1¼" NPS OPENING



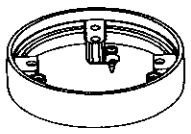
Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
◀E97SSRS	Slate	10	3.8	$2055.92	$1787.76
◀E97SSRB	Brown	10	3.8	$2055.92	$1787.76
◀E97SSRC	Caramel	10	3.8	$2055.92	$1787.76

CLEAR COVER CARPET RING

Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
◀E97CCR	Clear	10	1.1	$740.24	$643.69

Accepts 3⅞" dia. plates.

METAL COVER ADAPTER



Part No.	Color	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E97ABR2	Grey	10	3.3	$1126.48	$979.55

Improved one piece nonmetallic metal cover adapter provides precision fit for Carlon round brass floor box covers.

Price Schedule Code 11

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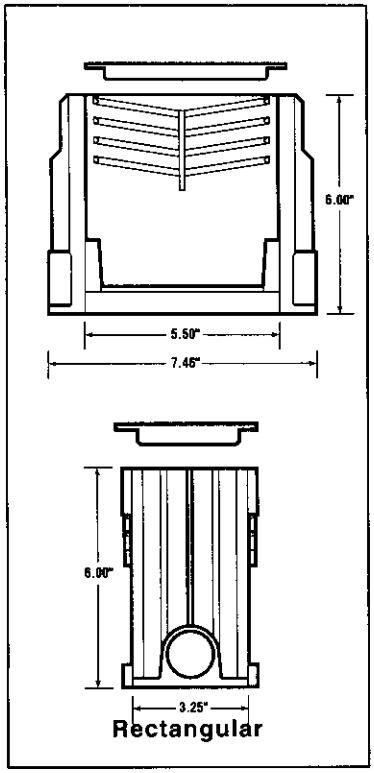
Listed
E42728



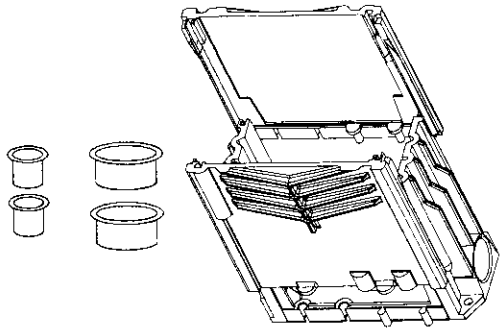
RECTANGULAR FLOOR BOX

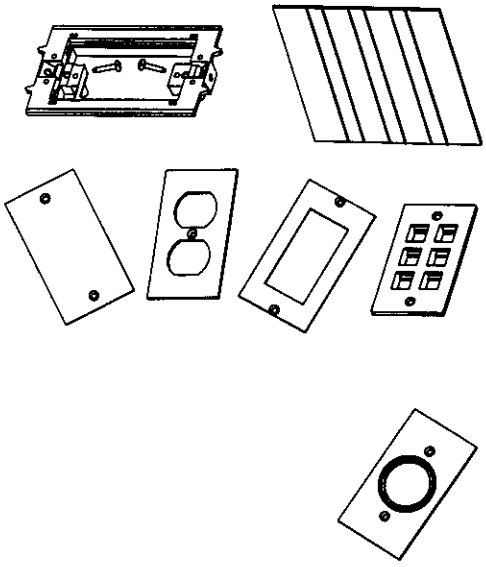
Part No.	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E976RFB	3	7	$4201.32	$3653.32

REDUCER PLUGS

Part No.	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E971C	¾" x ½"	100	2.1	$ 168.81	$ 146.79
E971D	1 x ¾"	100	3.2	$ 186.79	$ 162.43

Modular rectangular floor box can be ganged to form 2 or 3 gang boxes. Remove appropriate side and slide the boxes together. Interlocking tabs keep boxes tight and secure. Reducer plugs are included with floor box and are sold separately when needed.





RECTANGULAR FLOOR BOX ACTIVATION KIT

Part No.	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E976AK2	3	1.3	$1721.55	$1497.00

Activation Kit includes:
- Device yoke - for mounting power or low voltage devices.
- Divider - to separate services when floor boxes are ganged together.
- Device Plates - 4 styles are offered to match your device type.
- 6-port low-voltage plate accepts "Keystone" style jacks.

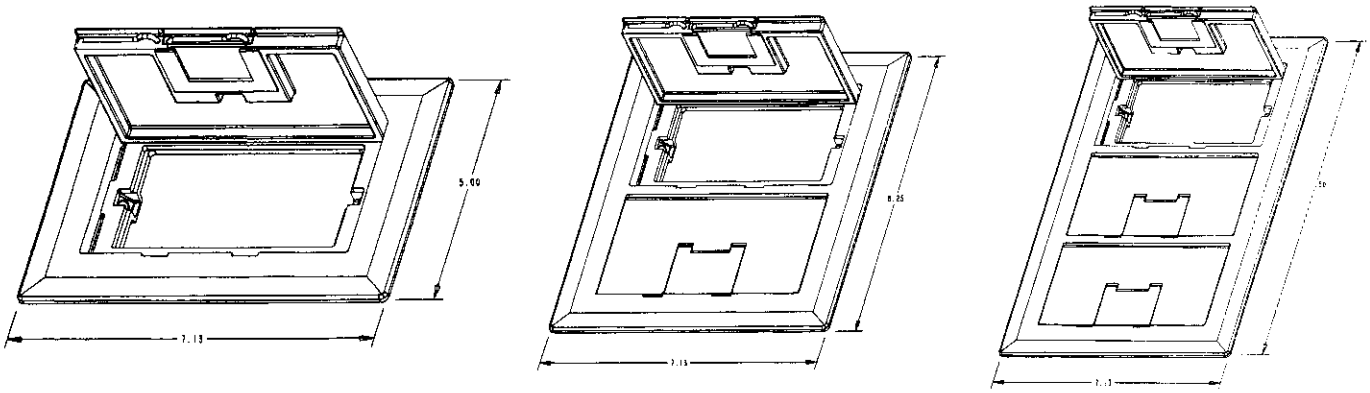
Price Schedule Code 11

NEW

c UL us
Listed
E42728

BRASS RECTANGULAR FLOOR BOX COVER

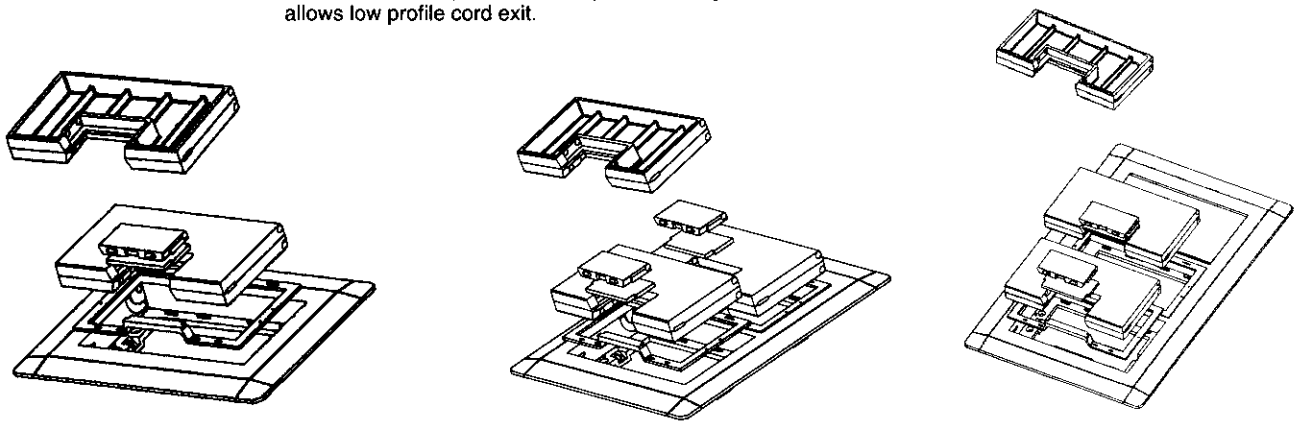
Description	Part No.	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
Single Gang	E9761BR	3	6.8	$14050.61	$12217.92
Double Gang	E9762BR	3	9.9	$23644.92	$20560.80
Triple Gang	E9763BR	3	12.1	$35698.21	$31041.92



NONMETALLIC COVER/CARPET FLANGE

Description	Part No.	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
Single Gang	E9761*	3	1.7	$ 6156.73	$ 5353.68
Double Gang	E9762*	9	8.5	$ 8855.67	$ 7700.58
Triple Gang	E9763*	6	7.5	$11622.42	$10106.45

*Add suffix for color: B = Brown, C = Caramel, S = Slate
Thermoplastic combination cover/carpet flange is available in 3 colors (brown, caramel and slate). Double door provides easy access to the device and also allows low profile cord exit.



SINGLE GANG

DOUBLE GANG

TRIPLE GANG

TECHNICAL DATA: FLOOR BOXES

	E976RFB (Rectangular)	E971FB (Round)
Material:	PVC	PVC
Box Internal Volume:	97.4 cu. in. 16.8 cu. in. per inch of depth	90 cu. in. 15.5 cu. in. per inch of depth
Minimum Concrete Depth Required:	3 1/2"	3 1/2"
Hubs:	(2) 1"	(2) 1" and (2) 3/4"
Reducer Plugs:	(2) 1 x 3/4" and (2) 3/4"x 1/2"	(2) 1 x 3/4" and (2) 3/4"x 1/2"

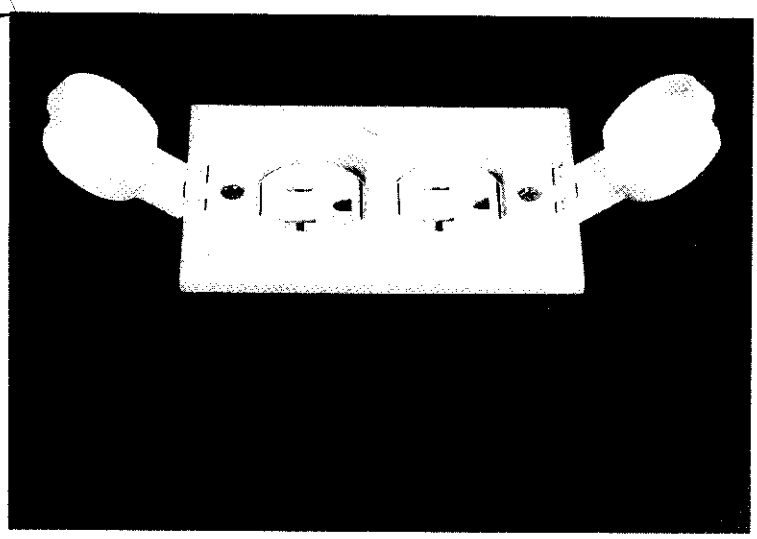
TECHNICAL DATA: COVERS

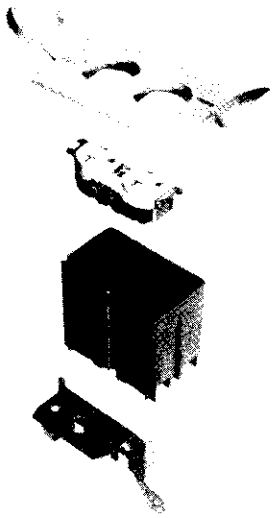
	Rectangular Covers E9761B, E9762B, E9763B, E9761C, E9762C, E9763C, E9761S, E9762S, E9763S	Brass Rectangular Covers E9761BR, E9762BR, E9763BR	Round Covers E97DSB, E97DSI, E97DSC, E97DST, E97DSS, E97SSRB, E97SSRC, E97SSRS	Brass Round Covers E97BR, E97BRG
Material:	Thermoplastic	Brass	Thermoplastic	Brass
Capacity:	Accepts standard NEMA duplex, GFCI face/stylized, or NEMA locking receptacles and data. Accepts standard box mounted data/ communication devices with 3.28" hole centers.	Accepts single, duplex,data or GFCI receptacles in one kit, E976AK2	Accepts standard NEMA duplex or 1-1/4" NPS service outlet/single receptacles. Drill points of 3/8" diameter are provided for low voltage cable connections when used with E973K divider kit on nonmetallic versions.	Accepts single or 1-1/4" NPS (E97BRG), or accepts duplex or GFCI receptacles (E97BR).

Price Schedule Code 20

Listed
E42728

NEW





ADJUSTABLE RESIDENTIAL FLOOR BOX

Part No.	Standard Carton Quantity	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
B121BFB	8	7.4	$3827.20	$3328.00

FEATURES:

- Tough ABS duplex cover keeps out dust and water with unique dual hinge caps that never get lost. Patented design.
- Floor box has a full 21 cubic inch capacity. Comes complete with ivory nonmetallic coverplate, duplex receptacle, integral molded cable clamps, mounting backet, and all necessary hardware.
- Simple adjusting mechanism allows you to adjust height from 0" to 1-7/8" to accommodate any floor height.
- UL Listed and Classified for fire resistance 2 hour wall & ceiling. UL514C Scrub Water Tested.

– NOTES –

Carlon®
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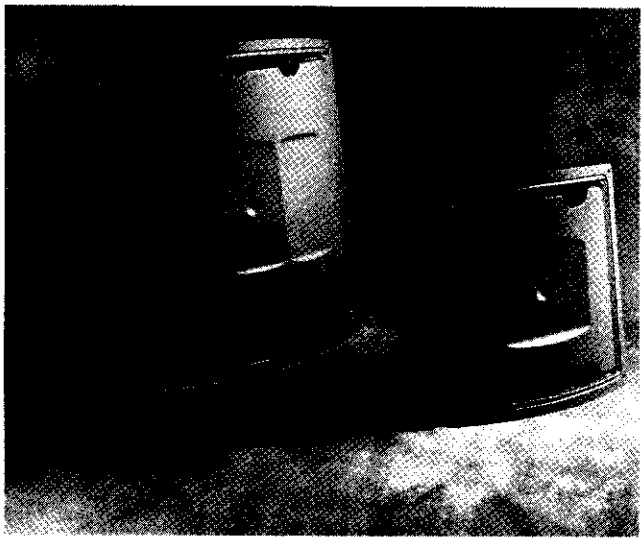
J-BOX CURVED LID PARKING LOT JUNCTION BOX

Refer to Brochure 2B40



J-BOX ASSEMBLIES & REPLACEMENT LIDS

FEATURES:

- NEMA 1, 2, 3, 3S, 12,13, 4, 4X RATINGS
- UL LISTED PER UL 50 SPECIFICATIONS FOR ELECTRICAL ENCLOSURES
- THE J-BOX PROVIDES LOCATIONS TO MOUNT WEATHERPROOF FIXTURES OR OTHER CONVENIENCE DEVICES
- THE J-BOX MAKES AREA LIGHTING PROJECTS EASIER, FASTER, AND BETTER.

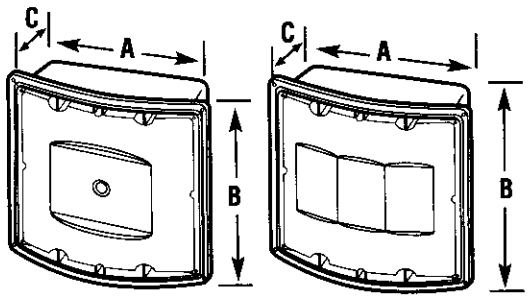
1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

J-Box Curved Lid Parking Lot Junction Box

Price Schedule Code Q

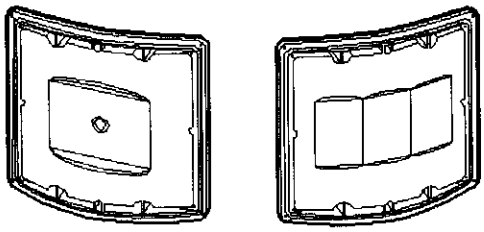
LR31146 Listed E54381

Carlon J-Box provides a unique solution to many parking lot lighting and wiring problems. The nonmetallic box lid mounts flush against a curved 24" diameter concrete pier. Inside, the remainder of the junction box creates a large, enclosed work space that makes construction and post-installation maintenance easier, faster and more efficient.



J-BOX ASSEMBLIES

Part No.	Dimensions A	B	C	Standard Carton Qty.	Standard Carton Weight (lbs.)	Price Per (ea.)
E88C24	8"	8"	4"	6	28.3	$40.00
E1212C24	12"	12"	4"	2	9.7	$45.00



REPLACEMENT LIDS

Part No.	Fits Box Size	Standard Carton Qty.	Standard Carton Weight (lbs.)	Price Per (ea.)
E88L24	8 x 8	1	2.1	$30.00
E1212L24	12 x 12	1	2.3	$37.50

FEATURES

- NEMA 1, 2, 3, 3S, 12, 13, 4, 4X Ratings.
- CSA Certified.
- PVC lid is paintable to blend in with the concrete pier.
- Lids provide locations to mount weatherproof fixtures. The 12"x12" provides 3 locations and the 8"x8" provides 1 location.
- PVC will not be effected by most release agents. Refer to release agent supplier for specific details on compatibility.
- Designed for a 24" radius concrete pier, the J-Box can also be installed in concrete piers ranging from 18" to 36" in diameter. Consult your Carlon sales representative for installation details.

Shaded areas indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

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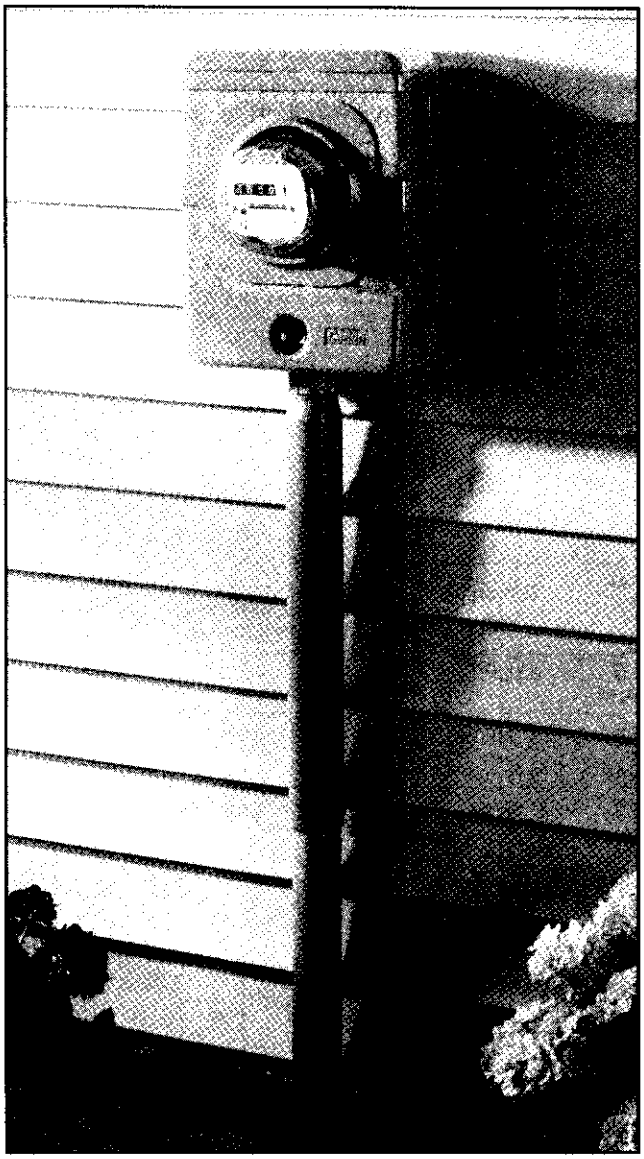
SLIP METER RISERS

Refer to Brochure 2FSMRI



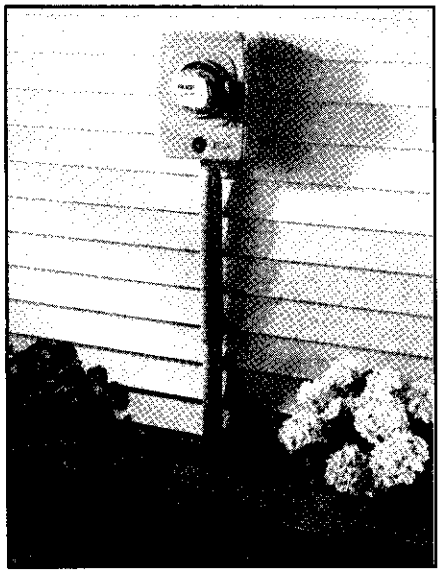
SLIP METER RISERS

FEATURES:

- DESIGNED TO ALLOW FASTER AND EASIER UNDERGROUND SERVICE ENTRANCE INSTALLATIONS.
- PROVIDES CABLE PROTECTION FROM GROUND MOVEMENT.

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 7

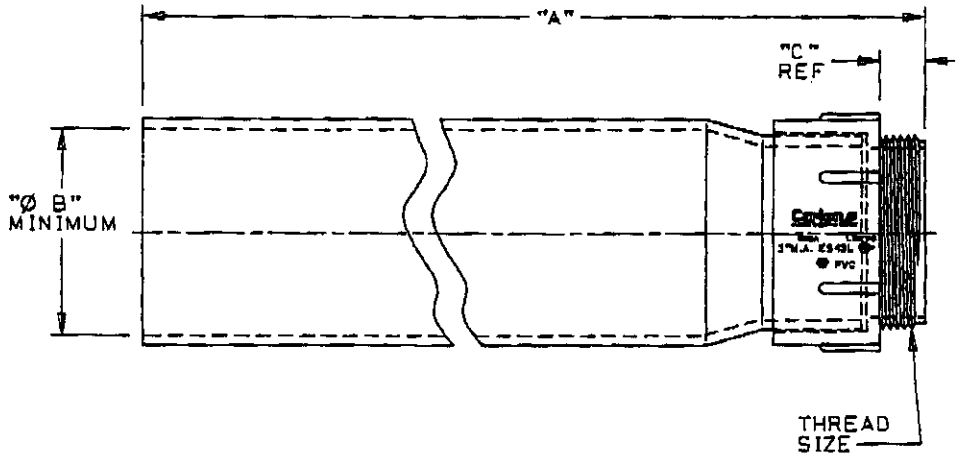


Carlon offers a full line of slip meter risers for use in electrical sevice entrance applications. The product line provides solutions for applications requiring a non-rigid connection, with incoming service conduit diameters ranging from 2" to 4".

The slip meter risers are fitted with a terminal adapter for easy installation at the service entrance location. This product provides a low-cost method to comply with NEC 300-5 (j), which requires protection for buried cables in areas subject to ground movement due to frost or trench settling.

- UL Listing Pending

Description	Part Number	Length A	Inside Diameter B (Minimum)	Thread Length C	Thread Size	Std. Carton Qty.	Std. Carton Weight (lbs.)	Std. Carton Price Per Hundred ea.
2" slip joint	E954JXX	24.00 (609.6)	2.750 (69.85)	0.825 (20.951)	2" NPT	20	43.6	$3682.98
3" slip joint	E954LXX	24.00 (609.6)	4.01 (101.85)	0.797 (20.24)	3" NPT	10	41.9	$4105.50
4" slip joint	E954NXX	24.00 (609.6)	5.06 (128.52)	0.773 (19.63)	4" NPSC	5	31.8	$4635.70



ARTICLE 300 WIRING METHODS

(j) Ground Movement. Where direct buried conductors, raceways, or cables are subject to movement by settlement or frost, direct buried conductors, raceways, or cables shall be arranged to prevent damage to the enclosed conductors or to equipment connected to the raceways.

(FPN): This section recognizes "S" loops in underground direct burial to raceway transitions, expansion joints in pipe risers to fixed equipment, and generally the provision of flexible connections to equipment subject to settlement or frost heaves.

Carlon®
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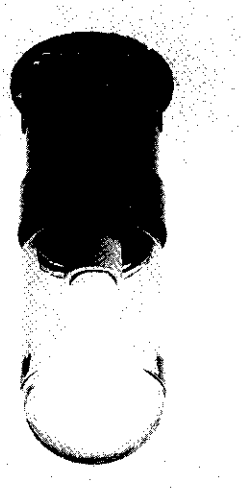
WEATHERPROOF COVERS AND LIGHTING SYSTEMS

Refer to Brochure 7F3



WEATHERPROOF COVERS - SINGLE GANG, TWO GANG AND BLANK
IN-USE WEATHERPROOF COVERS
WEATHERPROOF BOXES
WEATHERPROOF LIGHTING SYSTEMS
WEATHERPROOF FIXTURE

FEATURES:

- NONMETALLIC
- NONCONDUCTIVE
- CORROSION RESISTANT
- PAINTABLE

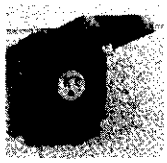
1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Weatherproof Covers – Single Gang Covers

Price Schedule Code 5

15 AMP Receptacle Cover

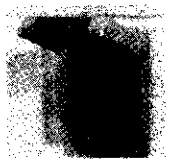
For 15 amp or other single receptacles under 1.375" diameter.



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98SRCN-CAR	Grey	10	2.1	$856.13	$744.46

20 AMP Receptacle Cover

For 20 amp or other single receptacles under 1.625" diameter.



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98G20N	Grey	20	4.1	$1423.14	$1237.51

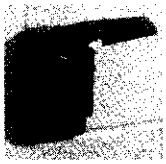
30 AMP Receptacle Cover

For 30 amp or other single receptacles under 1.750" diameter.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98G30N-CAR	Grey	10	2.1	$1423.14	$1237.51

50 AMP Receptacle Cover

For 50 amp or other single receptacles under 2.250" diameter.



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98G5FN-CAR	Grey	10	2	$1423.14	$1237.51

Duplex Receptacle Cover

For single gang duplex receptacle applications.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98GDRN-CAR	Grey	10	2	$1115.74	$970.21

GFI Receptacle Cover

LR31146

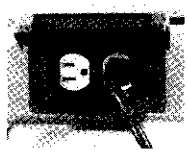
MARINE Listed E42728

For GFI receptacle applications. Device opening dimensions: 2.63" H x 1.31" W.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98GFCN-CAR	Grey	10	2	$841.55	$731.78

Duplex Receptacle Cover – Horizontal Mount

For single gang duplex receptacle applications.



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98DHGN-CAR	Grey	10	3.9	$1205.00	$1047.83

GFI Horizontal Receptacle Cover

For GFI receptacle applications. Device opening dimensions: 2.63" W x 1.31" H.

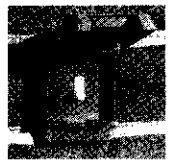
Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98GHGN-CAR	Grey	10	1.9	$907.49	$789.12

Circuit Breaker Cover

For circuit breaker applications up to 4 single poles. Device opening dimensions: 2.265" W x 2.845" H.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98GCBN	Grey	20	3.9	$1649.07	$1433.97

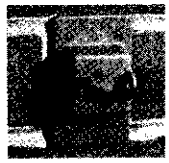
Single Switch Cover



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98SSCN-CAR	Grey	10	2.1	$847.38	$736.85

Toggle Switch Cover

For single weatherproof toggle switch applications.



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E98TSCN-CAR	Grey	5	1.1	$675.27	$587.19

LR31146 MARINE Listed E42728

Weatherproof Covers – Two Gang Covers

Double Duplex

Price Schedule Code 5

For two gang duplex receptacle applications.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9G2DDN-CAR	Grey	10	2.3	$1317.01	$1145.23

Double Toggle Cover

For two gang weatherproof toggle switch applications.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9G2SSN	Grey	6	3.2	$1342.83	$1167.68

Combination Toggle/GFI Cover

For two gang GFI and weatherproof toggle switch applications.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9G2GTN-CAR	Grey	5	1.3	$1153.66	$1003.18

Combination Toggle/Duplex Receptacle Cover

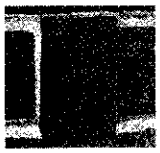
For two gang duplex receptacles, and weatherproof toggle switch applications.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9G2DSN-CAR	Grey	10	1.3	$1176.28	$1022.85

Blank Covers

Single Gang Cover

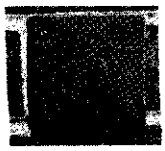
Fits Carlon® single gang FS boxes. Supplied with stainless steel mounting screws and gasket.



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E980CN-CAR	Grey	12	1.5	$319.72	$278.02

Two Gang

Fits Carlon® two gang FS boxes, other nonmetallic and metallic FS boxes. Supplied with stainless steel mounting screws and gasket.



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9802CN-CAR	Grey	10	1.8	$360.73	$313.68

LR31146 Listed E42728

In-Use Weatherproof Covers – NEMA Type 3R Rated

Single Gang Vertical

Includes: one switch plate, one duplex receptacle plate, one GFI receptacle plate, one cover, one base with gasket and screws.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9UVGRN	Grey	12	5.2	$1680.79	$1461.56
E9UVWRN	White	12	5.3	$1680.79	$1461.56
E9UVCRN	Clear	12	5.0	$1680.79	$1461.56

Single Gang Vertical Deep

Includes: one switch plate, one duplex receptacle plate, one GFI receptacle plate, *one single receptacle plate, one cover, one base with gasket and screws.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9UDVGRN	Grey	8	8.6	$2260.65	$1965.78
E9UDVWRN	White	8	8.6	$2260.65	$1965.78
E9UDVCRN	Clear	8	8.6	$2260.65	$1965.78

*1.60" diameter - fhs 20 amp twistlock or standard 30 amp receptacle.

Single Gang Horizontal

Includes: one duplex receptacle plate, one GFI receptacle plate, one cover, one base with gasket and screws.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9UHGRN	Grey	4	2.1	$1680.79	$1461.56
E9UHWRN	White	4	2.2	$1680.79	$1461.56
E9UHCRN	Clear	4	2.0	$1680.79	$1461.56

Double Gang

Includes: double duplex receptacle plate, double GFI receptacle plate, combination duplex and toggle plate, combination GFI and toggle plate, one cover, one base with gasket and screws.

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9U2GRN	Grey	6	4.2	$2989.90	$2599.91
E9U2WRN	White	6	4.3	$2989.90	$2599.91
E9U2CRN	Clear	6	4.1	$2989.90	$2599.91

MARINE
UL Listed E42728

Weatherproof Boxes

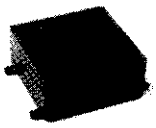
Price Schedule Code 4

Single Gang "T" Box

With three 1/2" threaded holes. Mounting feet included.

Part No.	Color	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
*E381D-CAR	Grey	1/2"	10	2.3	$898.20	$781.04
*E381DW-CAR	White	1/2"	10	1.8	$898.20	$781.04

Double Gang "T" Box



Part No.	Color	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
*E382DE	Grey	1/2"	6	3.6	$1748.24	$1520.21
*E382DEW	White	1/2"	6	3.6	$1748.24	$1520.21

4" Round "T" Box

With five 1/2" threaded holes. Mounting feet included.

Part No.	Color	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
*E365D-CAR	Grey	1/2"	10	1.2	$1311.61	$1140.53
*E365DW-CAR	White	1/2"	10	1.2	$1311.61	$1140.53

*E381D-CAR, E365D-CAR and E382DE are for use with nonmetallic wiring systems only.

Weatherproof Lighting Systems

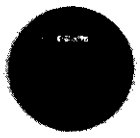
Price Schedule Code 5

cULus E70380

Rectangular Lampholder Cover

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P7901G-CAR	Grey	18	1.9	$283.12	$246.19
P7901W-CAR	White	12	.9	$283.12	$246.19

Round Lampholder Cover



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P7801G-CAR	Grey	16	2.2	$263.10	$228.78
P7801W-CAR	White	16	1.6	$263.10	$228.78

cULus except where noted by ► Listed E183934

Weatherproof Lighting Systems

Price Schedule Code 5

Lampholder with Gasket

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P8001G-CAR	Grey	24	5.1	$342.63	$297.94
P8001W-CAR	White	24	5.5	$342.63	$297.94

Two Lampholders with Rectangular Cover

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P8005G-CAR	Grey	6	3.7	$1044.57	$908.32
P8005W-CAR	White	6	3.8	$1044.57	$908.32

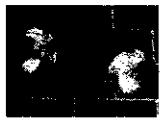
Two Lampholders with Round Cover

Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P8010G-CAR	Grey	6	3.6	$1044.57	$908.32
P8010W-CAR	White	6	3.9	$1044.57	$908.32

No-Tool Lampholder with Round Cover Kit

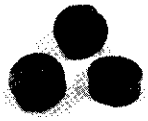
Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P8060G-CAR	Grey	6	5.8	$1760.19	$1530.60
P8060W-CAR	White	6	5.8	$1760.19	$1530.60

No-Tool Lampholder with Rectangular Cover Kit



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P8055G-CAR	Grey	6	5.8	1760.19	$1530.60
P8055W-CAR	White	6	5.8	1760.19	$1530.60

Closure Plugs



Part No.	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
► P7701G-CAR	Grey	30	.7	$87.22	$75.84
► P7701W-CAR	White	30	1.3	$87.22	$75.84

Carlon reserves the right to round orders to the nearest package quantity.

FIXTURE BASE

Price Schedule Code 8

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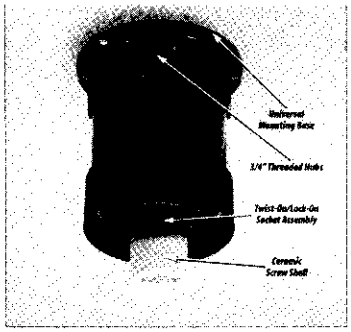
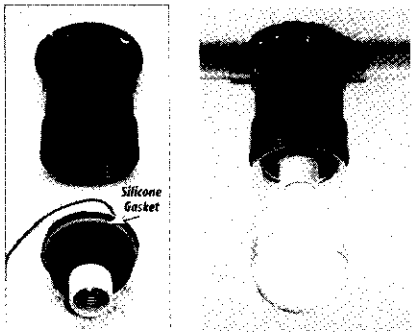
Listed
E183934

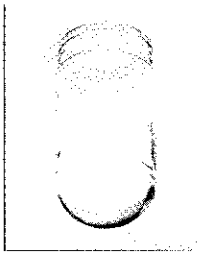




Part No.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E962E	6	4.5	$2958.25	$2572.39

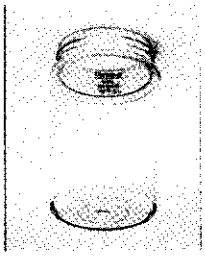
One-piece universal mounting base with 4-¾" threaded hubs. Twist-on/lock-on socket assembly. Ceramic socket shell.

WEATHERPROOF LIGHTING GLOBES



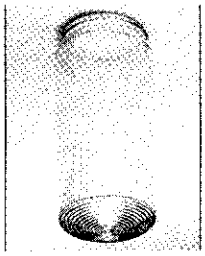
Clear Glass Globe

Part Number	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E960GLB (Clear Glass)	6	7



Clear Polycarbonate Globe

Part Number	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E960PGL (Clear Plastic)	6	3



Clear Polycarbonate Globe

8¼" rippled polycarbonate globe is available to accommodate PL fluorescent lamp only.

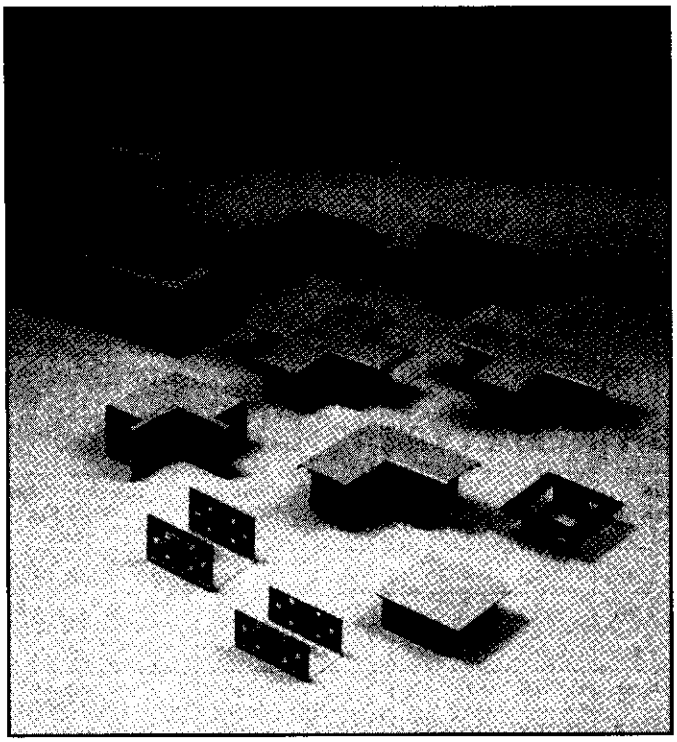
Part Number	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E960GFL	6	4

Fixtures with plastic globes mounted in a vertical position, (globe pointing down only), can only use a maximum lamp size 60 watts, glass globes use a maximum of 100 watts. Fixtures mounted in a horizontal position or a position other than vertical have a maximum lamp size of 60 watts .
It is not recommended to mount the plastic globe horizontally for incandescent applications.

– NOTES –

Carlon®
LAMSON & SESSIONS

WIRE SAFE™ WIREWAY AND WIRING TROUGH



Refer to Brochure 2B22

CARLON® WIRE SAFE™ WIREWAY
CARLON® WIRE SAFE™ WIREWAY FITTINGS AND WIRING TROUGH FITTINGS
INSTALLATION INSTRUCTIONS & ENGINEERING SPECIFICATIONS
WIREFILL CHART

FEATURES:

- NO WIRES TO PULL, NO HARD-TO-WORK-WITH METAL COMPONENTS
- RUGGED YET LIGHTWEIGHT
- EASY TO CUT AND ASSEMBLE
- EASY TO REWIRE
- APPLICATION FLEXIBILITY
- A COMPLETE NONMETALLIC SYSTEM
- IMPROVED WIREWAY END CAPS

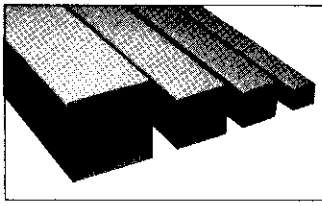
1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Carlon® Wire Safe™ Wireway

Price Schedule Code 21

Listed
E163227

PVC LAY-IN WIREWAY

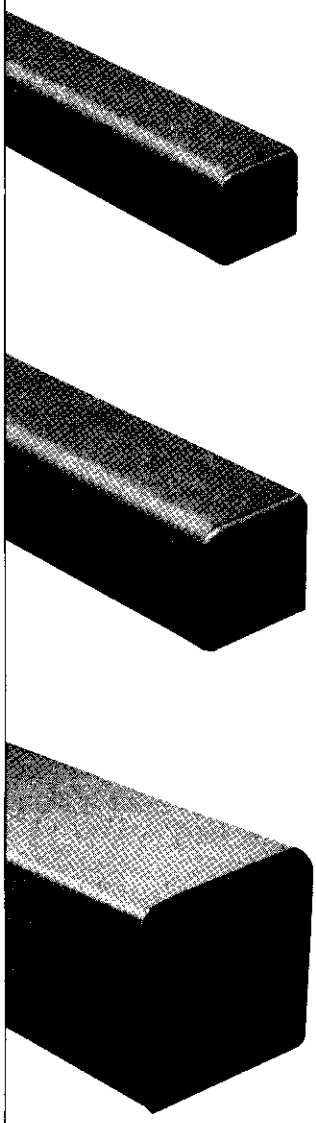


Part Number	Nominal Dimensions (in.)	Actual Dimensions (in.)	Length (ft.)	Standard Carton Qty.	Weight (lbs.) Per 10 (ft.)	Standard Carton Price Per (ea.)
17011	2 x 2	1.97 x 1.97	10	1	4.7	$ 86.95
17013	3 x 3	2.96 x 2.96	10	1	11.25	$ 91.45
17015	4 x 4	3.94 x 3.94	10	1	11.2	$111.63
17017	6 x 6	5.91 x 5.91	10	1	21.4	$163.78

Carlon® Wire Safe™ Wiring Trough

Price Schedule Code 21

PVC LAY-IN WIRING TROUGH (NEMA TYPE 12 RATED)



Part Number	Nominal Dimensions (in.)	Actual Dimensions (in.)	Length (in.)	Standard Carton Qty.	Standard Weight (lbs.) (ea.)	Standard Carton Price Per (ea.)
18111	2 x 2	1.97 x 1.97	12	1	0.6	$ 40.16
18113	3 x 3	2.96 x 2.96	12	1	1.0	$ 41.13
18115	4 x 4	3.94 x 3.94	12	1	1.4	$ 46.93
18117	6 x 6	5.91 x 5.91	12	1	3.1	$ 59.51
18211	2 x 2	1.97 x 1.97	24	1	1.1	$ 50.63
18213	3 x 3	2.96 x 2.96	24	1	1.8	$ 52.08
18215	4 x 4	3.94 x 3.94	24	1	2.6	$ 60.35
18217	6 x 6	5.91 x 5.91	24	1	5.3	$ 79.16
18311	2 x 2	1.97 x 1.97	36	1	1.5	$ 60.97
18313	3 x 3	2.96 x 2.96	36	1	2.6	$ 63.02
18315	4 x 4	3.94 x 3.94	36	1	3.7	$ 73.69
18317	6 x 6	5.91 x 5.91	36	1	7.4	$ 98.80
18411	2 x 2	1.97 x 1.97	48	1	2.0	$ 71.29
18413	3 x 3	2.96 x 2.96	48	1	3.3	$ 73.90
18415	4 x 4	3.94 x 3.94	48	1	4.8	$ 87.12
18417	6 x 6	5.91 x 5.91	48	1	9.6	$118.41
18511	2 x 2	1.97 x 1.97	60	1	2.5	$ 81.83
18513	3 x 3	2.96 x 2.96	60	1	4.1	$ 85.02
18515	4 x 4	3.94 x 3.94	60	1	5.9	$100.53
18517	6 x 6	5.91 x 5.91	60	1	11.7	$138.55
18611	2 x 2	1.97 x 1.97	72	1	2.9	$ 92.19
18613	3 x 3	2.96 x 2.96	72	1	4.9	$ 96.00
18615	4 x 4	3.94 x 3.94	72	1	7.1	$113.37
18617	6 x 6	5.91 x 5.91	72	1	13.8	$158.16
18011	2 x 2	1.97 x 1.97	120	1	4.8	$133.91
18013	3 x 3	2.96 x 2.96	120	1	8.1	$140.02
18015	4 x 4	3.94 x 3.94	120	1	11.6	$167.61
18017	6 x 6	5.91 x 5.91	120	1	22.4	$236.30

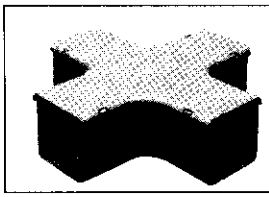
Carlon reserves the right to round order quantities to the nearest package quantity.

Shaded areas indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Listed
E163227

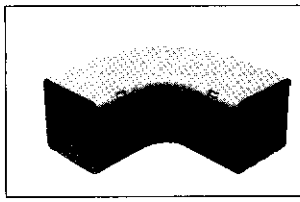
Price Schedule Code 21

Flat Cross



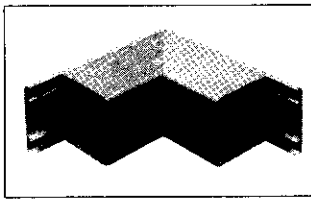
Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Standard Carton Price Per (ea.)
* EGFCJ	2x2	1	0.5	$48.59
* EGFCL	3x3	1	1.3	$51.13
†EGFCN	4x4	1	1.7	$58.42
†EGFCR	6x6	1	4.8	$70.90

90° Bend Flat Cover



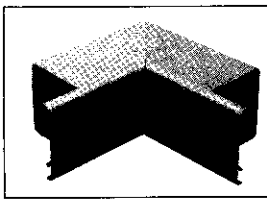
Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Standard Carton Price Per (ea.)
* EGLFJ	2x2	1	0.3	$40.83
* EGLFL	3x3	1	0.6	$42.86
†EGLFN	4x4	1	1.1	$51.45
†EGLFR	6x6	1	3.3	$60.97

90° Bend External Cover



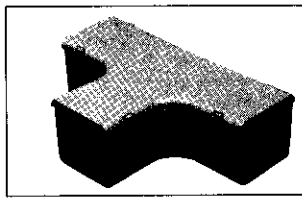
Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Standard Carton Price Per (ea.)
* EGLEJ	2x2	1	0.3	$40.83
†EGLEL	3x3	1	0.8	$42.86
†EGLEN	4x4	1	1.2	$51.45
†EGLER	6x6	1	3.3	$60.97

90° Bend Internal Cover



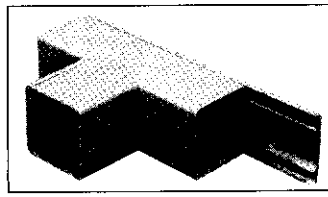
Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Standard Carton Price Per (ea.)
* EGLIJ	2x2	1	0.3	$40.83
†EGLIL	3x3	1	0.7	$42.86
†EGLIN	4x4	1	1.1	$51.45
†EGLIR	6x6	1	3.0	$60.98

Tee Flat Cover



Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Standard Carton Price Per (ea.)
* EGTFJ	2x2	1	0.4	$48.59
* EGTFL	3x3	1	0.9	$51.13
†EGTFN	4x4	1	1.4	$58.30
†EGTFR	6x6	1	3.8	$70.90

Tee External Cover



Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Standard Carton Price Per (ea.)
†EGTEJ	2x2	1	0.4	$48.59
†EGTEL	3x3	1	0.9	$51.13
†EGTEN	4x4	1	1.4	$58.30
†EGTER	6x6	1	3.8	$70.90

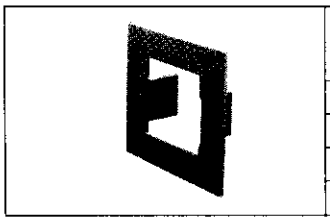
*Indicates molded fittings – couplings not needed
† Indicates fabricated fittings – order couplings separately

Price Schedule Code 21

Except where noted by ▲

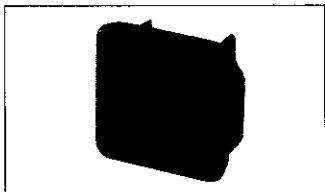
Listed
E163227

FLANGE



Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.) (lbs.)	Broken Carton Price Per (ea.)	Standard Carton Price Per (ea.)
▲ EGFJ	2x2	10	1.1	$13.96	$12.14
▲ EGFL	3x3	10	1.4	$16.42	$14.28
▲ EGFN	4x4	10	2.2	$18.95	$16.48
▲ EGFR	6x6	10	3.0	$22.37	$19.45

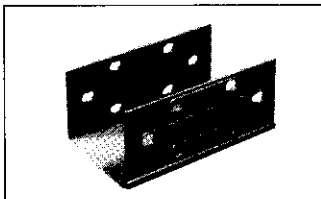
END CAP (NEMA Type 12 Rated)



Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per (ea.)	Standard Carton Price Per (ea.)
* EGSEJ	2x2	10 pair	0.6	$16.92	$14.71
* EGSEL	3x3	10 pair	0.9	$17.91	$15.57
* EGSEN	4x4	10 pair	1.6	$21.60	$18.78
†† EGSER	6x6	10 pair	5.0	$31.38	$27.28

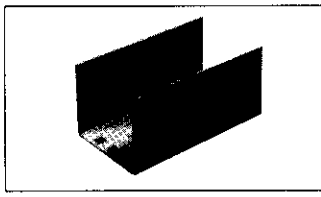
NOTE: Each order quantity includes 2 pieces, i.e. 1 EGSEJ consists of 2 Stop Ends. 10 pair

EXTERNAL COUPLING



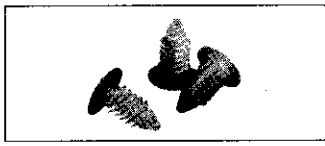
Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per (ea.)	Standard Carton Price Per (ea.)
EGCEJ	2x2	10	1.3	$ 5.39	$ 4.69
EGCEL	3x3	10	2.2	$ 6.87	$ 5.97
EGCEN	4x4	10	2.5	$ 6.75	$ 5.87
EGCER	6x6	10	7.8	$23.76	$20.66

INTERNAL COUPLING



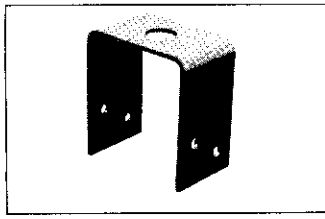
Part Number	Size (in .)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per (ea.)	Standard Carton Price Per (ea.)
▲ EGCIJ	2x2	10	1.3	$9.50	$ 8.26
▲ EGCIL	3x3	10	2.2	$9.32	$ 8.10
▲ EGCIN	4x4	10	2.5	$11.70	$10.17

PUSH RIVETS



Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per (ea.)	Standard Carton Price Per (ea.)
▲ EGPR	–	200	0.4	$ 63.46	$ 55.18

HANGERS



Part Number	Size (in.)	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per (ea.)	Standard Carton Price Per (ea.)
▲ EGSBJ	2x2	10	0.9	$12.87	$ 11.19
▲ EGSBL	3x3	10	1.3	$22.83	$ 19.85
▲ EGSBN	4x4	10	1.9	$25.94	$ 22.56
▲ EGSBR	6x6	10	2.8	$29.31	$ 25.49

*Indicates molded fittings – couplings not needed
†† Indicates no coupling is required for 6" fabricated end cap

INSTALLATION INSTRUCTIONS

Description. Carlon® Wire Safe™ wireway and wiring troughs are manufactured from extruded PVC. The standard color is grey. The wireway consists of a base channel which is formed to receive a "clip on" cover. Wiring troughs include stop ends.

Cover Installation and Removal. The cover can be installed by exerting hand pressure along its front face in such a manner as to engage the clip projections on the side walls of the base channel. The cover can be removed by inserting a tool (i.e. a screwdriver shaft) into one end of the wireway enclosure and exerting pressure against the underside of the cover, which is then "peeled off" from the base.

Wireway Fittings. Fittings enable the wireway to be positioned around corners and also enable tees and crosses to be created without detracting from the protective characteristics. Interconnecting pieces can be assembled using couplings and rivets or cement as necessary.

Molded fittings do not require couplings since they fit on the exterior of the wireway. However, primer and solvent cement are needed. See cementing instructions.

Fabricated fittings do require internal or external couplings, and these must be ordered separately. To install fittings, a 9/32" diameter hole should be drilled in the wireway to match the external coupling hole. A push rivet should be used to connect the two pieces. To connect an internal coupling to the inside of a fitting, use Carlon Quick-Set Clear Cement.

Applications. The systems are designed for use in commercial and industrial areas. They may be used for the containment of electrical wiring/cables for power and lighting circuits and also communications and computer facilities. They are suitable for mounting on the surface of walls or ceilings or suspended across suitably positioned supports. Ambient temperatures should not exceed 140°F.

Installation.

1. Mark the surface upon which the wireway is to be mounted.
2. Measure run and identify position of fittings.
3. Remove cover from raceway, starting at one end, with a peeling action (use of screwdriver or similar lever is recommended).
4. Drill mounting holes through base at 60" centers maximum. Two rows of mounting holes should be drilled, adjacent to each wall of the wireway in order to evenly distribute the load.
5. The holes in the wireway should be drilled oversize to allow for expansion. Washers should be mounted under the head of the mounting device, which should not be tightened to its full extent.
6. Mount the wireway using screws or bolts.
7. Affix the wireway cover by aligning it to the wireway base and then pressing it into its engaged position, starting at one end.
8. The cover should be made to overlap the base joint in order to improve rigidity of the joint.

ENGINEERING SPECIFICATIONS

Code Approvals. Carlon's Wire Safe Wireway and Wiring Trough is recognized by the current National Electrical Code, Article 362-B, for nonmetallic wireways. It is UL Listed for electrical wiring up to 600 volts. UL File Numbers: UL E151021.

Specification for Carlon Wire Safe Wireway and Wiring Trough. The wireway and troughs shall be Carlon Wire Safe Wireway and Wiring Trough.

The Carlon Wire Safe Wireway and Wiring Trough shall provide protection for electrical, low voltage, data and communication wiring or cables.

The Carlon Wire Safe Wireway and Wiring Trough shall be listed and installed per the NEC Article 362-B for nonmetallic wireways.

The Carlon Wire Safe Wireway and Wiring Trough shall be manufactured from gray precision extruded polyvinyl chloride (PVC) meeting UL 94 V-0 requirements and shall be suitable for field painting.

The Carlon Wire Safe Wireway and Wiring Trough shall include base, cover, fittings, etc.

The Carlon Wire Safe Wireway and Wiring Trough shall provide all fittings required to form a complete, integrated surface raceway system. End caps shall be gasketed and shall have a NEMA Type 12 rating.

The Carlon Wire Safe Wireway and Wiring Trough shall provide raceway with the following cross sectional areas:

1. 2 x 2 - 3.165 in.^{2} (20.4 cm^2)
2. 3 x 3 - 7.378 in.^{2} (47 cm^2)
3. 4 x 4 - 13.694 in.^{2} (88 cm^2)
4. 6 x 6 - 31.871 in.^{2} (205 cm^2)

Fittings. Internal and external elbow shall be a fitting cover that snaps onto the main base. Flat elbows and flat tees shall be a fitting cover that snaps on to the main base. Stop ends shall be gasketed and NEMA Type 12 rated;

Installation. Install in accordance with the manufacturer's instructions, NFPA 70 and NECA standard.

Install base, cover, fittings, accessories, etc., as necessary for a complete system.

Carlon® Wire Safe™ Wirefill Chart

Conductor Size AWG-MCM	Area of Conductor (sq. in.) A RFH-2,RH, RHH,***RHW, ***SF-2	B TF, THW, †TW	C TFN THHN, THWN	D XHHW, ††ZW	Wire Safe Wireway Size and Maximum Number of Conductors Allowed (Areas shown are 20% of the full interior cross sectional areas of the wireway.) 2x2 (0.6 in.²) A	B	C	D	3x3 (1.5 in.²) A	B	C	D	4x4 (2.7 in.²) A	B	C	D	6x6 (6.4 in.²) A	B	C	D
18	.0167	.0088	.0062	–	36	68	96	–	89	170	241	–	161	306	435	–	383	727	1032	–
16	.0196	.0109	.0079	–	31	55	76	–	76	137	189	–	137	247	341	–	326	587	810	–
14	.0230	.0135	.0087	–	26	44	69	–	65	111	241	–	117	200	310	–	278	474	735	–
14	*.0327	–	–	–	18	–	–	–	45	–	–	–	82	–	–	–	195	–	–	–
14	–	†.0206	–	.0131	–	29	–	46	–	72	–	114	–	131	–	206	–	310	–	488
12	.0278	.0172	.0117	–	21	35	51	–	53	87	128	–	97	156	230	–	230	372	547	–
12	*.0384	–	–	–	16	–	–	–	39	–	–	–	70	–	–	–	166	–	–	–
12	–	†.0252	–	.0167	–	24	–	36	–	59	–	89	–	107	–	161	–	253	–	383
10	.0460	.0222	.0184	–	13	27	33	–	32	67	81	–	58	121	146	–	139	288	347	–
12	–	.0311	–	.0216	–	19	–	28	–	48	–	69	–	86	–	125	–	205	–	296
8	.0845	.0471	.0373	–	7	13	16	–	17	31	40	–	31	57	72	–	75	135	171	–
8	–	†.0598	–	.0456	–	10	–	13	–	25	–	32	–	45	–	59	–	107	–	140
6	.1238	.0819	.0519	.0625	4	7	11	10	12	18	28	24	21	32	52	43	51	78	123	102
4	.1605	.1087	.0845	.0845	4	6	7	7	9	13	17	17	16	24	31	31	39	58	75	75
3	.1817	.1263	.0995	.0995	3	5	6	6	8	11	15	15	14	21	27	27	35	50	64	64
2	.2067	.1473	.1182	.1182	3	4	5	5	7	10	12	12	13	18	22	22	30	43	54	54
1	.2715	.2027	.1590	.1590	2	3	4	4	5	7	9	9	9	13	16	16	23	31	40	40
1/0	.3107	.2367	.1893	.1893	2	2	3	3	4	6	7	7	8	11	14	14	20	27	33	33
2/0	.3578	.2781	.2265	.2265	1	2	2	2	4	5	6	6	7	9	11	11	17	23	28	28
3/0	.4151	.3288	.2715	.2715	1	1	2	2	3	4	5	5	6	8	9	9	15	19	23	23
4/0	.4840	.3904	.3278	.3278	1	1	1	1	3	4	4	4	5	6	8	8	13	16	19	19
250	.5917	.4877	.4026	.4026	1	1	1	1	2	3	3	3	4	5	6	6	10	13	15	15
300	.6837	.5581	.4669	.4669	–	1	1	1	2	2	3	3	3	4	5	5	9	11	13	13
350	.7620	.6291	.5307	.5307	–	–	1	1	1	2	2	2	3	4	5	5	8	10	12	12
400	.8365	.6969	.5931	.5931	–	–	1	1	1	2	2	2	3	3	4	4	7	9	10	10
500	.9834	.8316	.7163	.7163	–	–	–	–	1	1	2	2	2	3	3	3	6	7	8	8
600	1.1940	1.0261	.8791	.9043	–	–	–	–	1	1	1	1	2	2	3	3	5	6	7	7
700	1.3355	1.1575	1.0011	1.0297	–	–	–	–	1	1	1	1	2	2	2	2	4	5	6	6
750	1.4082	1.2252	1.0623	1.0936	–	–	–	–	1	1	1	1	1	2	2	2	4	5	6	5
800	1.4784	1.2908	1.12324	1.1499	–	–	–	–	1	1	1	1	1	2	2	2	4	4	5	5
900	1.6173	1.4208	1.2449	1.2668	–	–	–	–	–	1	1	1	1	1	2	2	3	4	5	5
1000	1.7530	1.5482	1.3623	1.3893	–	–	–	–	–	–	1	1	1	1	1	1	3	4	4	4
1250	2.2062	1.9532	–	1.7671	–	–	–	–	–	–	–	–	1	1	–	1	2	3	–	3
1500	2.5475	2.2751	–	2.0612	–	–	–	–	–	–	–	–	1	1	–	1	2	2	–	3
1750	2.8832	2.5930	–	2.3779	–	–	–	–	–	–	–	–	–	1	–	1	2	2	–	2
2000	3.2079	2.9013	–	2.6590	–	–	–	–	–	–	–	–	–	–	–	1	1	2	–	2

***Dimensions of RHH and RHW.**

*****Dimensions of RHH and RHW without outer covering are the same as THW No. 18 through No. 10, solid as well as No. 8 and later, stranded.**

† Dimensions of THW in sizes No. 14 through No. 8 No. 6 THW and larger are same dimension as TW.

†† No. 14 through No. 2.

NOTES: 1. The ampacities of the conductors shall be reduced as shown in the table at right.
2. Refer to the National Electrical Code for ambient temperature correction factors.

Number of Conductors	Column A - Percent of Values In Tables as Adjusted for Ambient Temperature if Necessary	Number of Conductors	Column B** - Percent of Values In Tables as Adjusted for Ambient Temperature if Necessary
4 through 6	80	4 through 6	80
7 through 9	70	7 through 9	70
10 through 24*	70	10 through 20	50
25 through 42*	60	21 through 30	45
43 and above*	50	31 through 40	40
		41 through 60	35

*These factors include the effects of a load diversity of 50 percent. ** No diversity.

Carlon®
LAMSON & SESSIONS

ZIP BOX® BLUE™ NONMETALLIC OUTLET AND SWITCH BOXES

Refer to Brochure 2B1

ADJUSTABLE AND SINGLE GANG NONMETALLIC BOXES
2, 3, 4 GANG AND 4" SQUARE NONMETALLIC BOXES
OLD WORK NONMETALLIC BOXES
COMMUNICATION BOXES AND 3/0 & 4/0 NONMETALLIC CEILING BOXES
ROUND AND SQUARE NONMETALLIC COVERS

FEATURES:

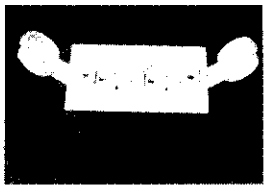
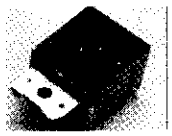
- NONCONDUCTIVE
- CORROSION RESISTANT
- EASY TO INSTALL
- LIGHTWEIGHT

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

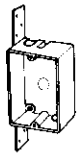
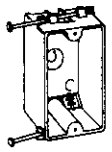
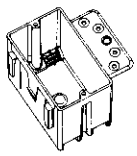
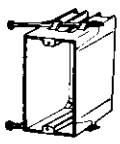
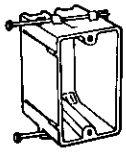
Price Schedule Code 20

Listed
E42728

ADJUSTABLE ZIP BOXES

	Part No.	Cubic Inch	Description	Standard Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	B121BFB	21	Adjustable Residential Floor Box	8	7.4	$ 3827.20	$3328.00
	B121ADJ	21	Adjust-A-Box™ Wall Box, Adjustable, Single Gang Box	24	10	$255.99	$222.60
	B234ADJ	34	Adjust-A-Box™ Wall Box, Adjustable, Two Gang Box	16	8.5	$541.24	$470.64

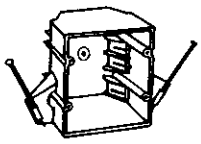
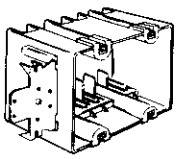
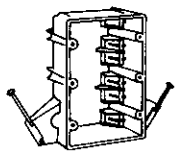
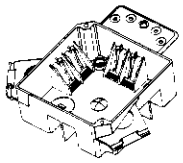
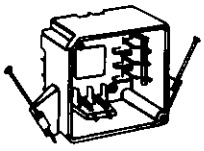
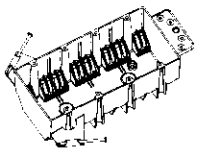
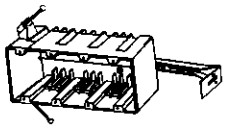
SINGLE GANG

	Part No.	Volume (cu. in.)	Description	Standard Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	B108B-UPC	8	Single gang bracketed Shallow box Depth 1¼" Width 2⅜" Length 3⅝"	25	3	$179.89	$156.43
	•B118A	18	Single gang with captive nails Depth 2⅞" Width 2¼" Length 3½" 4 knockouts, 2 each end	100	20	$ 54.83	$ 47.68
	•B118B-UPC	18	Single gang with molded on bracket for ⅜" to ⅝" wallboard - steel & wood stud mounting Depth 2 15/16" Width 2¼" Length 3⅔" 4 knockouts, 2 each end	50	16	$222.53	$193.50
	•B120A-UPC	20	Single gang with captive nails Depth 3¼" Width 2¼" Length 3½" 4 knockouts, 2 each end	100	24	$ 63.97	$ 55.63
	•B122A-UPC	22	Single gang with captive nails Depth 3½" Width 2¼" Length 3¾" 4 knockouts, 2 each end	100	25	$ 76.56	$ 66.57

Carlon reserves the right to round order to nearest package quantity.
• Suitable for Masonry Walls.

Price Schedule Code 20

Listed
E42728

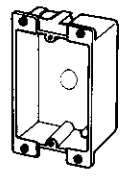
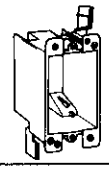
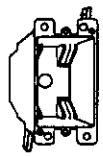
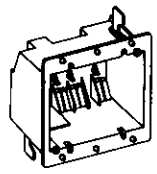
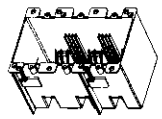
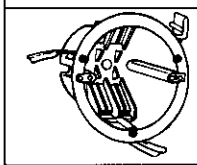
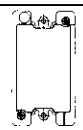
	Part No.	Volume (cu. in.)	Description	Standard Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	• B232A-UPC	32	Two gang with captive nails Depth 3" Width 4" Length 3¾" 8 integral clamps, 4 each side	50	15	$166.46	$144.75
	B232B-UPC	32	Two gang with bracket for ⅜" to ⅝" wallboard - steel or wood stud mounting Depth 3" Width 4" Length 3¾" 8 integral clamps, 4 each side	50	20	$364.75	$317.17
	• B344A-UPC	44	Three gang with captive nails Depth 2 1/16" Width 3¾" Length 5⅝" 12 integral clamps, 6 each side	50	21	$265.01	$230.44
	• B418A-UPC	18	Four square with captive nails Depth 1⅝" Width 4" Length 4" 10 integral clamps, 3 top and bottom, 2 each side	75	22	$247.71	$215.40
	• B432A-UPC	32	Four square with captive nails Depth 2⅝" Width 4" Length 4" 10 integral clamps, 3 top and bottom, 2 each side	50	15.4	$303.07	$262.54
	† B455A-UPC	55	Four gang with captive nails Depth 2½" Width 3 7/10" Length 7⅜" 12 integral clamps, 6 each side	25	19	$592.58	$515.29
	† B455AH	55	Four gang with captive nails and bracket support Depth 2½" Width 3 7/10" Length 7⅜" 12 integral clamps, 6 each side	25	19	$615.83	$535.50

† Not UL Classified for Fire Resistance.
• Suitable for Masonry Walls.

Price Schedule Code 20

Listed
E42728

OLD WORK BOXES

	Part No.	Volume (cu. in.)	Description	Standard Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	† B108R-UPC	8	Single gang old work flanged Shallow box Depth 1¼" Width 2⅜" Length 3⅝"	25	3	$179.89	$156.43
	•† B114R-UPC	14	Single gang old work wall box 2 Zip-Mount™ retainers Depth 2¾" Width 2¼" Length 4⅛" 4 integral clamps, 2 each end Mounting ears	50	10	$220.04	$191.34
	•† B120R	20	Single gang old work box 2 Zip-Mount retainers Depth 3⅝" Width 2⁵⁄₁₆" Length 4⅛" Mounting ears	50	18.1	$253.01	$220.01
	•† B225R-UPC	25	Two gang old work box 2 Zip-Mount retainers Depth 2¾" Width 3⅛" Length 3¹⁵⁄₁₆" 6 integral clamps Mounting flange	30	8.1	$405.97	$353.02
	•† B355R	55	Three gang old work box Depth 3.69" Width 2.79" Length 5.72" 8 Mounting ears High temperature resistance	6	3	$505.97	$439.97
	†* B618R-UPC	18	Round old work box 3 Zip-Mount retainers Depth 2¾" 4 integral clamps High temperature resistance	100	24	$282.28	$245.46
	•† B468R •† B468RB (Bulk)	68	Four gang old work box Depth 3.56" Width 2.89" Length 7.57" 8 Mounting Ears High Temperature Resistance	6 36	3 18	$816.87 $785.45	$710.32 $683.00
	† B1EXTB	N/A	Box Extender Width 2¼" Length 3¼"	25	3	$143.61	$124.88

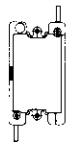
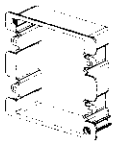
† Not UL Classified for Fire Resistance.
* Not suitable for fixture support.
•Suitable for Masonry Walls.

Carlon reserves the right to round order to nearest package quantity.

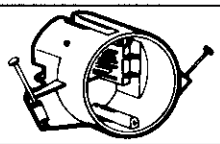
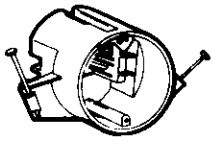
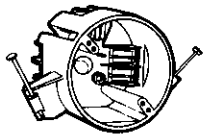
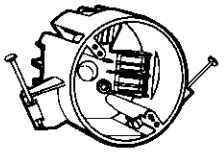
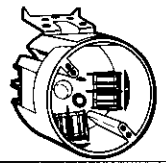
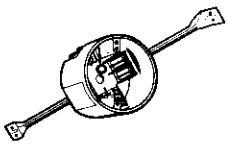
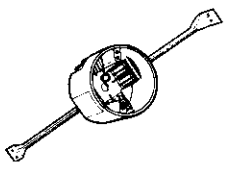
COMMUNICATION BOXES

Listed E42728 except where noted by ►

Price Schedule Code 20

	Part No.	Volume (cu. in.)	Description	Standard Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Ful Carton Price Per Hundred
	◀†B100RB	N/A	Single Gang Communication Zip Box or Low Voltage Zip Box Width 2¼" Length 3¼" 2 Zip Mounting Retainers	25	3	$156.66	$136.23
	◀†B200R-CRD	N/A	Two Gang Communication Zip Box or Low Voltage Zip Box Width 3.92" Length 4.00" 2 Zip Mounting Retainers	6	.9	$242.88	$211.20

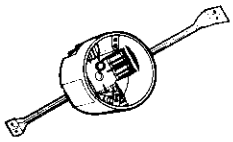
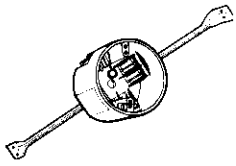
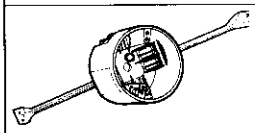
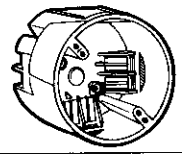
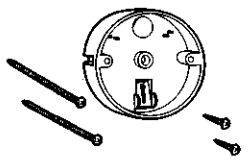
3/0 & 4/0 CEILING BOXES

	B518A-UPC	18	Ceiling box with captive nails Diameter 3" (3/0) Depth 2¾" 4 integral clamps	75	17	$ 166.46	$ 144.75
	B518P-UPC	18	Ceiling box with captive nails Ground lug and screw attached Diameter 3" (3/0) Depth 2¾" 4 integral clamps	75	17	$ 206.20	$ 179.30
	B520A-UPC	20	Ceiling box with captive nails Fixture spacing for 2¾" and 3"" Diameter 4" (4/0) Depth 2¼" 6 integral clamps	75	16	$ 166.46	$ 144.75
	B520P-UPC	20	Ceiling box with captive nails Ground lug and screw attached Fixture spacing for 2¾" and 3½" Diameter 4" (4/0) Depth 2¼" 6 integral clamps	75	17	$ 211.74	$ 184.12
	B620L-UPC	20	Ceiling box with metal L bracket Fixture spacing for 2¾" and 3½" Diameter 4" (4/0) Depth 2¼" 6 integral clamps	100	30	$ 351.66	$ 305.79
	B620H-UPC	20	Ceiling box with 14¼" - 23½" adjustable bar hanger Fixture spacing for 2¾" and 3½" Diameter 4" (4/0) Depth 2¼" 6 integral clamps	75	41	$ 362.56	$ 315.27
	B620K	20	4/0 ceiling box with 18¼" - 26¾" adjustable bar hanger Fixture spacing for 2¾" and 3½" Diameter 4" Depth 2¼" 6 integral clamps	75	46	$ 361.17	$ 314.06

All ceiling boxes are produced from a high heat-resistant material developed specifically for fixture support applications.
Note: Listed for fixture support up to 50 lbs.

Price Schedule Code 20

Listed
E42728

	Part No.	Volume (cu. in.)	Description	Standard Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	B620HG-UPC	20	4/0 ceiling box with 14¼" - 23½" adjustable bar hanger Ground lug and screw attached Fixture spacing for 2¾" and 3½" Diameter 4" Depth 2¼" 6 integral clamps	75	43.6	$389.06	$338.31
	B620KG-UPC	20	4/0 ceiling box with 18¼" - 26¾" adjustable bar hanger Ground lug and screw attached Fixture spacing for 2¾" and 3½" Diameter 4" Depth 2¼" 6 integral clamps	75	46.3	$368.25	$320.22
	B620DC	20	Ceiling box with 24" grid bar hanger Fixture spacing for 2¾" and 3½" Diameter 4" Depth 2¼" 6 integral clamps	6	7.75	$1370.82	$1192.02
	B720-SHK	20	Ceiling fan outlet box Mounting screws included. Diameter 4" Depth 2¼" 35 lbs. maximum fan weight 50 lbs. maximum fixture weight	18	4.9	$564.83	$491.16
	B708-SHK	8	Shallow Ceiling Fan Outlet Box: Mounting screws included Diameter 4" Depth ⅝" 35 lbs. maximum fan weight 50 lbs. maximum fixture weight	18	2.8	$404.62	$351.84

All ceiling boxes are produced from a high heat-resistant material developed specifically for fixture support applications.
Note: Listed for fixture support up to 50 lbs.

Carlon reserves the right to round order to nearest package quantity.

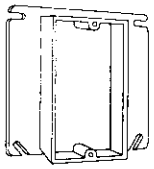
Carlon® Zip Box Blue outlet and switch boxes are recognized in fire-resistive walls and floor-ceiling assemblies by the Council of American Building Officials, ICBO, BOCA, and SBCCI (See NER-140).

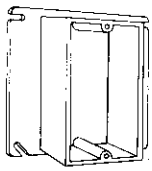
Price Schedule Code 15

Listed
E42728

SQUARE COVERS FOR OUTLET AND SWITCH BOXES

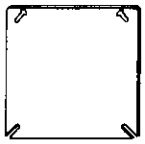
SINGLE GANG

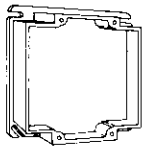


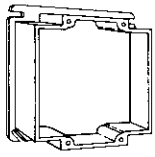


Part No.	Rise	Cu. In.	Std. Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A410	½"	3.5	100	7.7	$ 94.81	$ 82.44
A411	⅝"	4.2	50	4.6	$110.57	$ 96.15
A412	¾"	5.0	50	5.1	$127.33	$110.72
A413	1"	6.6	40	5	$153.10	$133.13
A414	1¼"	8.1	30	4.4	$163.19	$141.90

TWO GANG



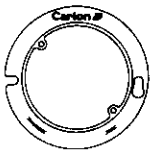


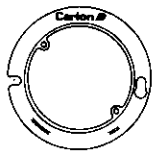


Part No.	Rise	Cu. In.	Std. Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
A400	Blank	—	100	7.7	$ 71.38	$ 62.07
A420	½"	6.1	75	5.0	$133.20	$115.83
A421	⅝"	7.4	50	4.2	$146.56	$127.44
A422	¾"	8.8	50	4.8	$146.56	$127.44

ROUND COVERS FOR CEILING BOXES

ROUND PLASTER RING

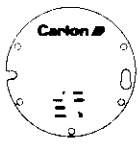


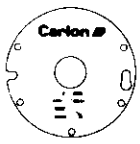


Part No.	Rise	Cu. In.	Std. Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
▲ A471	½"	3.2	100	3.3	$128.83	$112.03
▲ A472	⅝"	4.0	100	3.7	$136.40	$118.61

▲ Suitable for fixture support

ROUND BLANK COVERS



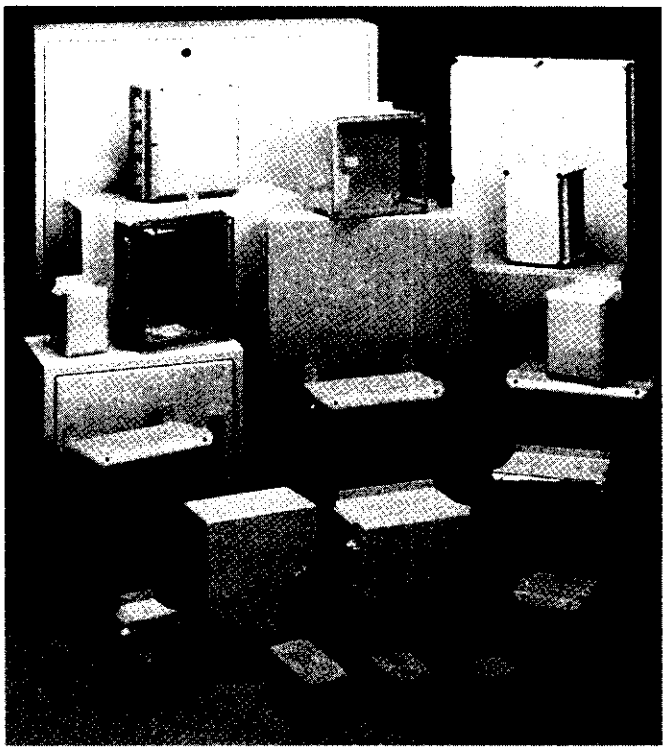


Part No.	Rise	Cu. In.	Std. Carton Qty.	Std. Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
E460R-CAR	Blank	—	35	2.2	$93.35	$81.17
A470D	Blank w/½" KO	—	100	6.2	$97.00	$84.35

For additional square covers, see ENT Fittings & Accessories Price Sheet.
For pricing information on 4" Square Covers/Adapter Rings, refer to ENT Fittings & Accessories Price Sheet.

– NOTES –

Carlon®
LAMSON & SESSIONS



- DURABLE
- MODIFIABLE
- FITS MANY DIFFERENT APPLICATIONS AND USES

Refer to Brochure 2B15

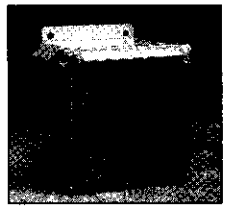
CIRCUIT SAFE® NEMA ENCLOSURES
CIRCUIT SAFE® JIC ENCLOSURES
HIMELINE® HE SERIES ENCLOSURES (NON UL LISTED)
HIMELINE® HS SERIES ENCLOSURES
HIMELINE® HP SERIES ENCLOSURES
HIMELINE® HL SERIES ENCLOSURES
CIRCUIT SAFE® PUSHBUTTON ENCLOSURES
ACCESSORIES

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

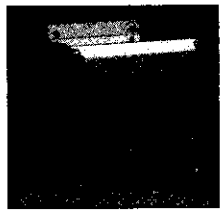
Price Schedule Code 18

LR96563

Listed
E110981



Clear Cover



Opaque Cover

FEATURES

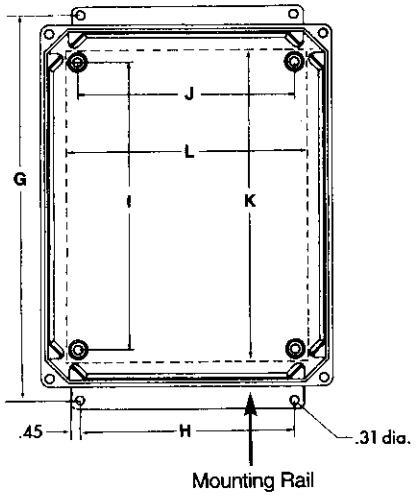
- Meets NEMA 1, 2, 3, 3.S, 4, 4x, 12, 13.
- Captive stainless steel cover screws.
- Brass insets for cover, mounting flanges and panel mountings crews.
- Back panel provisions accept standard size panels.
- Dove tailed corners for mounting panels or swing out panels at any depth. (Use optional adjustable back panel kit or swing out panel kit.)
- Oil resistant continuous gasket.
- Removable nonmetallic mounting rails included with factory assembled units.
- Tapered edge keeps liquids away from door opening.
- Ultraviolet stabilized for outdoor use.
- Optional steel or PVC backpanels available.

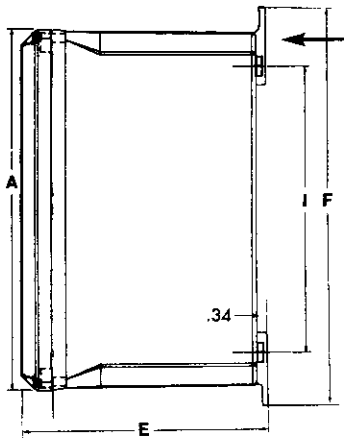
CIRCUIT SAFE NEMA SCREW-ON COVER STYLE ENCLOSURES

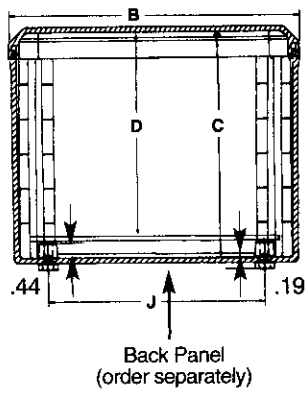
Size	Opaque Cover Assembly	Opaque Price Per (ea.)	Clear Cover Assembly	Clear Price Per (ea.)	Back Panels** Steel/PVC	Standard Carton Quantity	Standard Carton Weight (lbs.) Opaque/Clear
6 x 4 x 4	NS644	$ 41.10	NV644	$ 47.51	JP64 / JP64P	1	Opa 1.8 / Clr 1.9
6 x 6 x 4	NS664	$ 46.23	NV664	$ 52.65	JP66 / JP66P	1	Opa 2.4 / Clr 2.4
8 x 6 x 4	NS864	$ 50.09	NV864	$ 59.07	JP86 / JP86P	1	Opa 2.9 / Clr 2.8
8 x 8 x 4	NS884	$ 56.50	NV884	$ 65.49	JP88 / JP88P	1	Opa 3.2 / Clr 3.3
10 x 8 x 4	NS1084	$ 62.92	NV1084	$ 73.19	JP108 / JP108P	1	Opa 4.0 / Clr 3.9
10 x 8 x 6	NS1086	$ 70.63	NV1086	$ 80.90	JP108 / JP108P	1	Opa 4.6 / Clr 4.5
10 x 10 x 6	NS10106	$ 78.33	NV10106	$ 89.89	JP1010 / JP1010P	1	Opa 5.3 / Clr 4.9
12 x 10 x 6	NS12106	$ 83.46	NV12106	$ 96.31	JP1210 / JP1210P	1	Opa 6.1 / Clr 5.2
12 x 12 x 6	NS12126	$ 96.31	NV12126	$110.44	JP1212 / JP1212P	1	Opa 6.8 / Clr 6.1
14 x 12 x 6	NS14126	$104.02	NV14126	$120.71	JP1412 / JP1412P	1	Opa 7.4 / Clr 7.0
16 x 14 x 6	NS16146	$122.00	NV16146	$141.26	JP1614 / JP1614P	1	Opa 9.2 / Clr 8.1

Enclosures include body, lid and mounting rail kit.

** Order back panels separately, see page 85.







Shaded areas indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

LR96563 Listed E110981

Price Schedule Code 18

INDIVIDUAL COMPONENTS FOR CIRCUIT SAFE NEMA SCREW-ON COVER STYLE

Enclosure Size	Part Nos.	Enclosure Base*(x) Price Per (ea)	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Enclosure Lids Opaque Lids	Price Per (ea.)	Clear Lids	Price Per (ea.)	Standard Carton Qty.	Standard Carton Weight (lbs.)
6 x 4 x 4	NP644B	$18.39	18	21	NS64L	$11.03	NV64L	$15.94	16	Opa 6.4 / Clr 5.7
6 x 6 x 4	NP664B	$19.62	12	17	NS66L	$12.26	NV66L	$17.17	12	Opa 6.2 / Clr 5.7
8 x 6 x 4	NP864B	$22.07	12	18	NS86L	$13.49	NV86L	$20.85	9	Opa 6 / Clr 4.4
8 x 8 x 4	NP884B	$23.30	14	28	NS88L	$15.94	NV88L	$23.30	18	Opa 14 / Clr 11.2
10 x 8 x 4	NP1084B	$25.75	12	26	NS108L	$18.39	NV108L	$28.21	12	Opa13 / Clr 11
10 x 8 x 6	NP1086B	$31.88	8	23	NS108L	$18.39	NV108L	$28.21	12	Opa 13 / Clr 11
10 x 10 x 6	NP1010B	$34.33	6	20	NS1010L	$22.07	NV1010L	$31.88	11	Opa 14 / Clr 12
12 x 10 x 6	NP1210B	$38.01	6	23	NS1210L	$23.30	NV1210L	$34.33	12	Opa 15 / Clr 15
12 x 12 x 6	NP1212B	$44.94	5	22	NS1212L	$26.98			10	Opa 15
12 x 12 x 6	NR1212B	$47.51	5	21			NV1212L	$36.79	10	Clr 14
14 x 12 x 6	NP1412B	$47.51	5	24	NS1412L	$31.88			5	Opa 9
14 x 12 x 6	NR1412B	$53.93	5	22			NV1412L	$39.24	5	Clr 9
16 x 14 x 6	NP1614B	$53.93	4	31	NS1614L	$39.24			5	Opa 5.0
16 x 14 x 6	NR1614B	$61.64	4	22			NV1614L	$46.60	5	Clr 11

*** Mounting rails are not included. See "Mounting Rails" listed in the Enclosure Accessories section.**

** Order back panels separately, see page 85.

DIMENSIONS FOR CIRCUIT SAFE NEMA SCREW-ON COVER UNITS

Enclosure With Opaque Lid Part Nos.	Enclosure With Clear Lid Part Nos.	Enclosure Size A	B	C	D	E	F	Enclosure Mounting Hole Spacing G	H	Panel Mounting Hole Spacing I	J	Back Panel Size K	L	Back Panel* Part Nos. Steel	PVC
NS644	NV644	6.40	4.40	4.49	3.98	5.13	7.69	6.75	2.00	4.25	2.25	4.88	2.88	JP64	JP64P
NS664	NV664	6.40	6.40	4.49	3.98	5.13	7.69	6.75	4.00	4.25	4.25	4.88	4.88	JP66	JP66P
NS864	NV864	8.40	6.40	4.49	3.98	5.13	9.69	8.75	4.00	6.25	4.25	6.75	4.88	JP86	JP86P
NS884	NV884	8.40	8.40	4.49	3.98	5.13	9.69	8.75	6.00	6.25	6.25	6.75	6.88	JP88	JP88P
NS1084	NV1084	10.40	8.40	4.49	3.98	5.13	11.69	10.75	6.00	8.25	6.25	8.75	6.88	JP108	JP108P
NS1086	NV1086	10.40	8.40	6.49	5.98	7.13	11.69	10.75	6.00	8.25	6.25	8.75	6.88	JP108	JP108P
NS10106	NV10106	10.40	10.40	6.49	5.98	7.13	11.69	10.75	8.00	8.25	8.25	8.75	8.88	JP1010	JP1010P
NS12106	NV12106	12.40	10.40	6.49	5.98	7.13	13.69	12.75	8.00	10.25	8.25	10.75	8.88	JP1210	JP1210P
NS12126	NV12126	12.40	12.40	6.49	5.98	7.13	13.69	12.75	10.00	10.25	10.25	10.75	10.88	JP1212	JP1212P
NS14126	NV14126	14.40	12.40	6.49	5.98	7.13	15.69	14.75	10.00	12.25	10.25	12.75	10.88	JP1412	JP1412P
NS16146	NV16146	16.40	14.40	6.49	5.98	7.13	17.69	16.75	12.00	14.25	12.25	14.75	12.88	JP1614	JP1612P

*Order back panels separately, see page 85.

Price Schedule Code 18

LR96563

Listed
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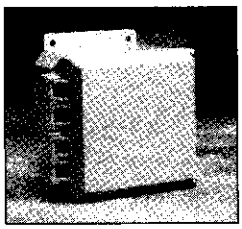
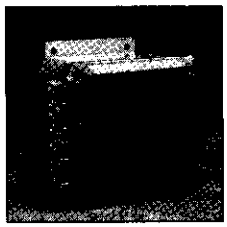


Opaque Cover

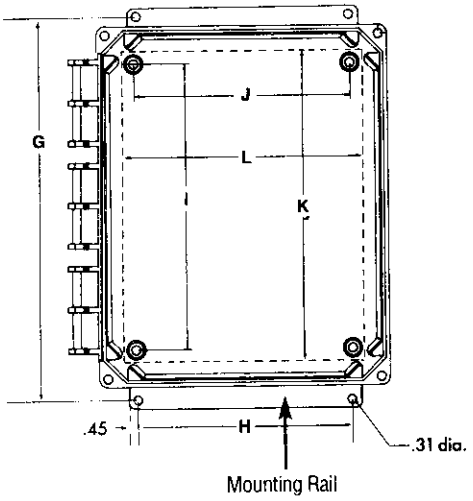


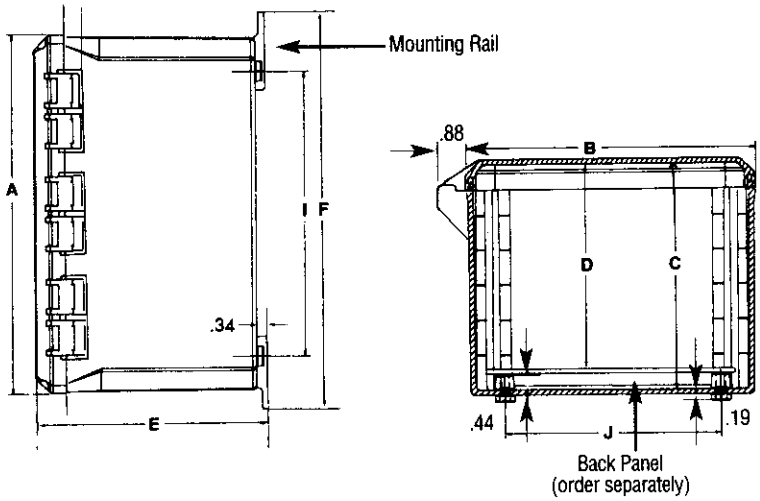
Clear Cover

CIRCUIT SAFE NEMA EXTERNAL HINGE COVER STYLE ENCLOSURES*

Size	Opaque Cover Assembly	Opaque Price Per (ea.)	Clear Cover Assembly	Clear Price Per (ea.)	Back Panels** Steel / PVC	Standard Carton Quantity	Standard Carton Weight (lbs.) Opaque/Clear
6 x 4 x 4 (z)	NJ644	$ 42.38	NC644	$ 48.80	JP64 / JP64P	1	Opa 1.9 / Clr 2
6 x 6 x 4	NJ664	$ 47.51	NC664	$ 53.93	JP66 / JP66P	1	Opa 2.4 / Clr 2.4
8 x 6 x 4	NJ864	$ 52.65	NC864	$ 61.64	JP86 / JP86P	1	Opa 2.9 / Clr 2.9
8 x 8 x 4	NJ884	$ 59.07	NC884	$ 68.06	JP88 / JP88P	1	Opa 3.3 / Clr 3.3
10 x 8 x 4	NJ1084	$ 65.49	NC1084	$ 75.86	JP108 / JP108P	1	Opa 4 / Clr 4
10 x 8 x 6	NJ1086	$ 74.48	NC1086	$ 84.76	JP108 / JP106P	1	Opa 4.6 / Clr 4.7
10 x 10 x 6	NJ10106	$ 82.18	NC10106	$ 93.79	JP1010 / JP1010P	1	Opa 5.6 / Clr 5.3
12 x 10 x 6	NJ12106	$ 87.32	NC12106	$100.25	JP1210 / JP1210P	1	Opa 6.3 / Clr 5.8
12 x 12 x 6	NJ12126	$ 98.88	NC12126	$114.32	JP1212 / JP1212P	1	Opa 6.9 / Clr 6.6
14 x 12 x 6	NJ14126	$109.15	NC14126	$124.56	JP1412 / JP1412P	1	Opa 7.7 / Clr 7
16 x 14 x 6	NJ16146	$127.13	NC16146	$145.17	JP1614 / JP1614P	1	Opa 8.2 / Clr 8

Enclosures include body, lid and mounting rail kit.
(z) Quick-latch enclosures not available in 6 x 4 x 4 size.
** Order back panels separately, see page 85.





Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

LR96563 Listed E110981

Price Schedule Code 18

INDIVIDUAL COMPONENTS FOR CIRCUIT SAFE NEMA EXTERNAL HINGE COVER STYLE

Enclosure Size	Enclosure Base*(x) Part Nos.	Price Per (ea.)	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Enclosure Lids Opaque Lids	Price Per (ea.)	Clear Lids	Price Per (ea.)	Standard Carton Qty.	Standard Carton Weight (lbs.)
6 x 4 x 4 (z)	NL644B	$ 18.39	18	29	NJ64L	$13.49	NC64L	$18.39	16	Opa 6.4 / Clr 6.2
6 x 6 x 4	NL664B	$ 19.62	12	18	NJ66L	$14.71	NC66L	$19.62	12	Opa 5.0 / Clr 5.9
8 x 6 x 4	NL864B	$ 22.07	8	14	NJ86L	$15.94	NC86L	$23.30	9	Opa 6 / Clr 5.3
8 x 8 x 4	NL884B	$ 25.75	14	28	NJ88L	$17.17	NC88L	$24.53	18	Opa 15/ Clr 13.5
10 x 8 x 4	NL1084B	$ 29.44	12	32	NJ108L	$18.39	NC108L	$28.23	12	Opa 13 / Clr 11.7
10 x 8 x 6	NL1086B	$ 35.56	8	15	NJ108L	$18.39	NC108L	$28.23	12	Opa 13 / Clr 11.7
10 x 10 x 6	NL1010B	$ 39.24	6	20	NJ1010L	$20.85	NC1010L	$31.88	11	Opa 14 / Cir 13
12 x 10 x 6	NL1210B	$ 42.92	6	24	NJ1210L	$22.07	NC1210L	$34.33	12	Opa 14 / Clr 15
12 x 12 x 6 (y)	NL1212B	$ 48.80	5	21.8	NJ1212L	$28.21	–		10	Opa 16
12 x 12 x 6 (y)	NM1212B	$ 50.09	5	21.1	–		NC1212L	$38.01	10	Clr 14.3
14 x 12 x 6 (y)	NL1412B	$ 53.93	4	19	NJ1412L	$30.66	–		5	Opa 10
14 x 12 x 6 (y)	NM1412B	$ 55.22	4	18	–		NC1412L	$42.92	5	Clr 9
16 x 14 x 6 (y)	NL1614B	$ 57.79	4	31	NJ1614L	$40.47			5	Opa 13.5
16 x 14 x 6 (y)	NM1614B	$ 64.24	4	22	–		NC1614L	$53.95	5	Clr 11.6

*** Mounting rails are not included. See "Mounting Rails" listed in the Enclosure Accessories section.**

(y) Sizes 12 x 12 and above require two latches per enclosure.

(z) Quick-latch enclosures not available in 6 x 4 x 4 size.

** Order back panels separately, see page 85.

DIMENSIONS FOR CIRCUIT SAFE NEMA EXTERNAL HINGE UNITS

Enclosure With Opaque Lid Part Nos.	Enclosure With Clear Lid Part Nos.	Enclosure Size A	B	C	D	E	F	Enclosure Mounting Hole Spacing G	H	Panel Mounting Hole Spacing I	J	Back Panel Size K	L	Back Panel* Part Nos. Steel	PVC
NJ644	NC644	6.40	4.40	4.49	3.98	5.13	7.69	6.75	2.00	4.25	2.25	4.88	2.88	JP64	JP64P
NJ664	NC664	6.40	6.40	4.49	3.98	5.13	7.69	6.75	4.00	4.25	4.25	4.88	4.88	JP66	JP66P
NJ864	NC864	8.40	6.40	4.49	3.98	5.13	9.69	8.75	4.00	6.25	4.25	6.75	4.88	JP86	JP86P
NJ884	NC884	8.40	8.40	4.49	3.98	5.13	9.69	8.75	6.00	6.25	6.25	6.75	6.88	JP88	JP88P
NJ1084	NC1084	10.40	8.40	4.49	3.98	5.13	11.69	10.75	6.00	8.25	6.25	8.75	6.88	JP108	JP108P
NJ1086	NC1086	10.40	8.40	6.49	5.98	7.13	11.69	10.75	6.00	8.25	6.25	8.75	6.88	JP108	JP108P
NJ10106	NC10106	10.40	10.40	6.49	5.98	7.13	11.69	10.75	8.00	8.25	8.25	8.75	8.88	JP1010	JP1010P
NJ12106	NC12106	12.40	10.40	6.49	5.98	7.13	13.69	12.75	8.00	10.25	8.25	10.75	8.88	JP1210	JP1210P
NJ12126	NC12126	12.40	12.40	6.49	5.98	7.13	13.69	12.75	10.00	10.25	10.25	10.75	10.88	JP1212	JP1212P
NJ14126	NC14126	14.40	12.40	6.49	5.98	7.13	15.69	14.75	10.00	12.25	10.25	12.75	10.88	JP1412	JP1412P
NJ16146	NC16146	16.40	14.40	6.49	5.98	7.13	17.69	16.75	12.00	14.25	12.25	14.75	12.88	JP1614	JP1614P

*Order back panels separately, see page 85.

Price Schedule Code 18

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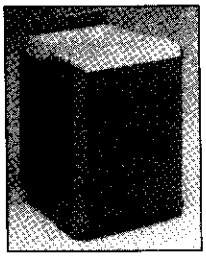
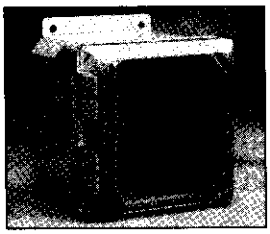


Opaque Cover

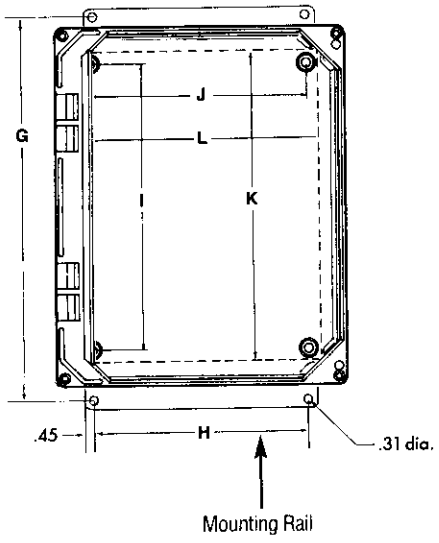


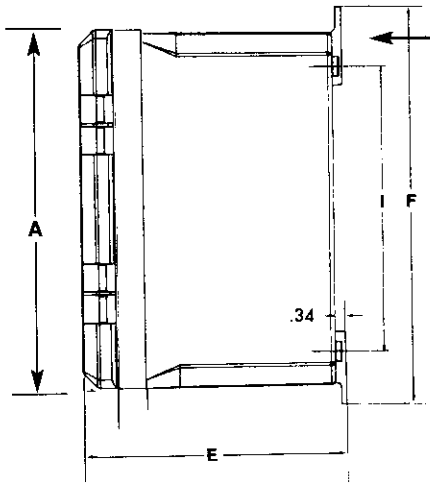
Clear Cover

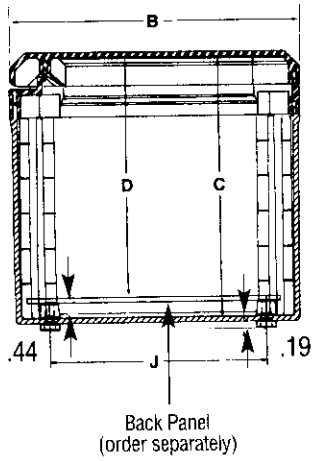
CIRCUIT SAFE NEMA HIDDEN HINGE COVER STYLE ENCLOSURES

Size	Opaque Cover Assembly	Opaque Price Per (ea.)	Clear Cover Assembly	Clear Price Per (ea.)	Back Panels** Steel/PVC	Standard Carton Quantity	Standard Carton Weight (lbs.) Opaque/Clear
6 x 4 x 5 (z)	NH644	$ 51.37	NI644	$ 57.76	JP64 / JP64P	1	Opa 2.2 / Clr 2.2
6 x 6 x 5	NH664	$ 56.50	NI664	$ 66.78	JP66 / JP66P	1	Opa 2.7 / Clr 2.8
8 x 6 x 5	NH864	$ 60.36	NI864	$ 70.63	JP86 / JP86P	1	Opa 3.3 / Clr 3.2
8 x 8 x 5	NH884	$ 68.06	NI884	$ 77.05	JP88 / JP88P	1	Opa 3.8 / Clr 3.8
10 x 8 x 5	NH1084	$ 74.48	NI1084	$ 84.76	JP108 / JP108P	1	Opa 4.0 / Clr 4.5
10 x 8 x 7	NH1086	$ 80.90	NI1086	$ 92.45	JP108 / JP108P	1	Opa 5.2 / Clr 5.1
10 x 10 x 7	NH10106	$ 89.89	NI10106	$102.74	JP1010 / JP1010P	1	Opa 5.7 / Clr 5.8
12 x 10 x 7	NH12106	$ 95.03	NI12106	$109.15	JP1210 / JP1210P	1	Opa 6.9 / Clr 6.1
12 x 12 x 7	NH12126	$109.15	NI12126	$124.56	JP1212 / JP1212P	1	Opa 7.7 / Clr 7.2
14 x 12 x 7	NH14126	$116.85	NI14126	$134.83	JP1412 / JP1412P	1	Opa 8.3 / Clr 7.9
16 x 14 x 7	NH16146	$136.11	NI16146	$156.67	JP1614 / JP1614P	1	Opa 10.1 / Clr 9.6

Enclosures include body, lid & mounting rail kit.
(Z) Quick-latch enclosures not available in 6 x 4 x 4 size.
** Order back panels separately, see page 85.







Shaded areas indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable

LR96563 Listed E110981

Price Schedule Code 18

INDIVIDUAL COMPONENTS FOR CIRCUIT SAFE NEMA HIDDEN HINGE COVER STYLE ENCLOSURES

Enclosure Size	Enclosure Base*(x) Part Nos.	Price Per (ea.)	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Enclosure Lids Opaque Lids	Price Per (ea.)	Clear Lids	Price Per (ea.)	Standard Carton Qty.	Std. Carton Wt. (lbs.)	Collars Part Nos.	Price Per (ea)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
6 x 6 x 5(y)	NP644B	$18.39	18	21	NH64L	$11.03	NI64L	$15.94	16	Opa 6.8 / Clr 6.3	NH64C	$ 8.59	16	6
6 x 6 x 5	NP664B	$19.62	12	17	NH66L	$12.26	NI66L	$17.17	12	Opa 6.8 / Clr 6.3	NH66C	$ 9.20	12	5
8 x 6 x 5	NP864B	$22.07	12	18	NH86L	$13.49	NI86L	$20.85	9	Opa 6.3 / Clr 5.7	NH86C	$ 9.82	9	4
8 x 8 x 5	NP884B	$23.30	14	28	NH88L	$15.94	NI88L	$23.30	18	Opa 16 / Clr 15	NH88C	$10.42	9	3.6
10 x 8 x 5	NP1084B	$25.75	12	26	NH108L	$18.39	NI108L	$28.21	12	Opa 13 / Clr 12	NH108C	$11.03	12	7.8
10 x 8 x 7	NP1086B	$31.88	8	23	NH108L	$18.39	NI108L	$28.21	12	Opa 13 / Clr 12	NH108C	$11.03	12	7.8
10 x 10 x 7	NP1010B	$34.33	6	20	NH1010L	$22.07	NI1010L	$31.88	11	Opa 14 / Clr 13	NH1010C	$11.65	11	7.5
12 x 10 x 7	NP1210B	$38.01	6	23	NH1210L	$23.30	NI1210L	$34.33	12	Opa17 / Clr 16	NH1210C	$12.26	12	8
12 x 12 x 7(z)	NP1212B	$44.94	5	22	NH1212L	$26.98	–		10	Opa 17	NH1212C	$12.88	12	7.7
12 x 12 x 7(z)	NR1212B	$47.51	5	21	–		NI1212L	$36.79	10	Clr 15.6	NI1212C	$14.71	12	7.4
14 x 12 x 7(z)	NP1412B	$47.51	5	24	NH1412L	$31.88	–		5	Opa 10	NH1412C	$13.49	5	4.7
14 x 12 x 7(z)	NR1412B	$53.93	5	22	–		NI1412L	$39.24	5	Clr 10	NI1412C	$15.33	5	4.7
16 x 14 x 7(z)	NP1614B	$53.93	4	31	NH1614L	$39.24	–		5	Opa 13	NH1614C	$14.10	5	5.6
16 x 14 x 7(z)	NR1614B	$61.64	4	22	–		NI1614L	$46.60	5	Clr 12	NI1614C	$15.94	5	5.7

*** Mounting rails are not included. See "Mounting Rails" listed in the Enclosure Accessories section.**

(y) 6 x 4 x 5 enclosures are not available with quick-release latches. (z) Sizes 12 x 12 and larger require two (2) latches per enclosure.

** Order back panels separately, see page 85.

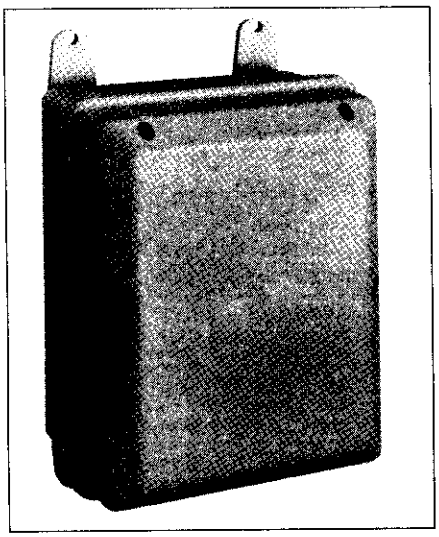
DIMENSIONS FOR CIRCUIT SAFE NEMA HIDDEN HINGE COVER STYLE

Enclosure With Opaque Lid Part Nos.	Enclosure With Clear Lid Part Nos.	Enclosure Size A	B	C	D	E	F	Enclosure Mounting Hole Spacing G	H	Panel Mounting Hole Spacing I	J	Back Panel Size K	L	Back Panel* Part Nos. Steel	PVC
NH644	NI644	6.40	4.40	5.30	4.79	5.94	7.69	6.75	2.00	4.25	2.25	4.88	2.88	JP64	JP64P
NH664	NI664	6.40	6.40	5.30	4.79	5.94	7.69	6.75	4.00	4.25	4.25	4.88	4.88	JP66	JP66P
NH864	NI864	8.40	6.40	5.30	4.79	5.94	9.59	8.75	4.00	6.25	4.25	6.75	4.88	JP86	JP86P
NH884	NI884	8.40	8.40	5.30	4.79	5.94	9.69	8.75	6.00	6.25	6.25	6.75	6.88	JP88	JP88P
NH1084	NI1084	10.40	8.40	5.30	4.79	5.94	11.69	10.75	6.00	8.25	6.25	8.75	6.88	JP108	JP108P
NH1086	NI1086	10.40	8.40	7.30	6.79	7.94	11.69	10.75	6.00	8.25	6.25	8.75	6.88	JP108	JP108P
NH10106	NI10106	10.40	10.40	7.30	6.79	7.94	11.59	10.75	8.00	8.25	8.25	8.75	8.88	JP1010	JP1010P
NH12106	NI12106	12.40	10.40	7.30	6.79	7.94	13.69	12.75	8.00	10.25	8.25	10.75	8.88	JP1210	JP1210P
NS12126	NI12126	12.40	12.40	7.30	6.79	7.94	13.69	12.75	10.00	10.25	10.25	10.75	10.88	JP1212	JP1212P
NH14126	NI14126	14.40	12.40	7.30	6.79	7.94	15.69	14.75	10.00	12.25	10.25	12.75	10.88	JP1412	JP1412P
NH16146	NI16146	16.40	14.40	7.30	6.79	7.94	17.69	16.75	12.00	14.25	12.25	14.75	12.88	JP1614	JP1612P

*Order back panels separately, see page 85.

Price Schedule Code 18

LR31146 Listed E54381



- Structural foam thermoplastic molded base and cover.
- Nonmetallic mounting feet and all mounting hardware included.
- 304 (18-8) stainless steel screws (10-32 / 1 1/8").
- Brass screw inserts.
- Clear polycarbonate cover available.
- White painted 14 gauge steel or 1/4" PVC back panel (order separately).
- Lid design provides greater usable internal volume.

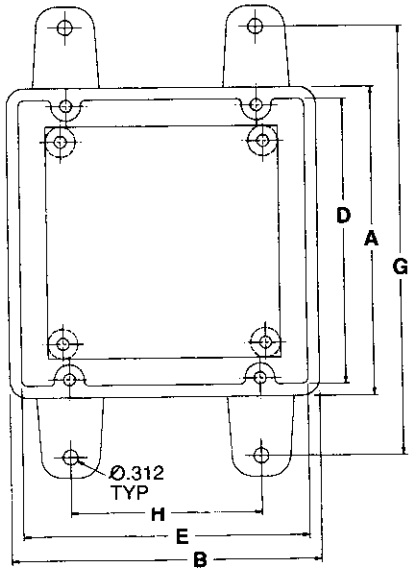
FACTORY ASSEMBLED CIRCUIT SAFE® JIC ENCLOSURES WITH SCREW-ON COVER STYLE ENCLOSURES

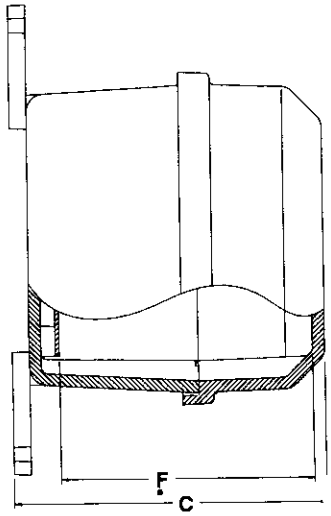
Opaque Cover Part Nos.	Price Per (ea.)	Clear Cover Part Nos.	Price Per (ea.)	Standard Carton Quantity (lbs.) Opaque/Clear	Back Panels* Steel / PVC Part Nos.	Panel Size	Std. Carton Qty. (lbs.) Steel/PVC
CS665	$ 56.89	CV665	$ 72.51	1 (Opa 2.7) / 1 (Clr 2.9)	JP66/JP66P	4.88 x 4.88	1 (1.0) / 1 (0.3)
CS863	$ 59.26	CV863	$ 74.09	1 (Opa 2.9) / 1 (Clr 2.9)	JP86/JP86P	6.75 x 4.88	1 (1.0) / 1 (.78)
CS1085	$ 68.66	CV1085	$ 85.82	1 (Opa 5.0) / 1 (Clr 5.0)	JP108/JP108P	8.75 x 6.88	1 (1.5) / 1 (0.7)
CS12106	$ 96.78	CV12106	$120.97	1 (Opa 6.5) / 1 (Clr 7.2)	JP1210/JP1210P	10.75 x 8.88	1 (2.0) / 1 (1.2)
CS14126	$109.92	CV14126	$137.41	1 (Opa 8.0) / 1 (Clr 8.8)	JP1412/JP1412P	12.75 x 10.88	1 (3.2) / 1 (1.7)
CS16147	$127.06	CV16147	$159.63	1 (Opa 11.5) / 1 (Clr 10.8)	JP1614/JP1614P	14.75 x 12.88	1 (4.7) / 1 (2.3)

Enclosures shipped with mounting feet and panel mounting hardware.
*Order back panels separately, see page 85.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Dimensions							
External			Internal			Mounting	
A	B	C	D	E	F	G	H
6.50	6.50	6.69	6.00	6.00	5.45	9.00	4.00
8.50	6.50	4.49	8.00	6.00	3.25	11.00	4.00
10.50	8.50	6.69	10.00	8.00	5.45	13.00	6.00
12.50	10.50	7.69	12.00	10.00	6.45	15.00	8.00
14.50	12.50	7.72	14.00	12.00	6.48	17.00	10.00
16.50	14.50	8.46	16.00	14.00	7.22	19.00	12.00





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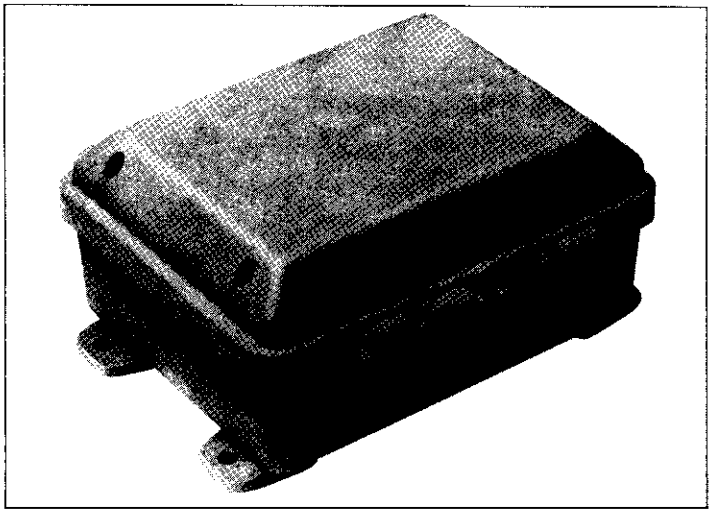
Price Schedule Code 18



- Nonmetallic mounting feet and all mounting hardware included.
- Structural foam thermoplastic molded base and cover.
- White painted 14 gauge steel or 1/4" PVC back panel (order separately).
- 304 (18-8) stainless steel screws (10-32 / 1 1/8").
- Lid design provides greater usable internal volume.
- Completely nonmetallic hinges.
- Brass screw inserts.
- Clear polycarbonate cover available.

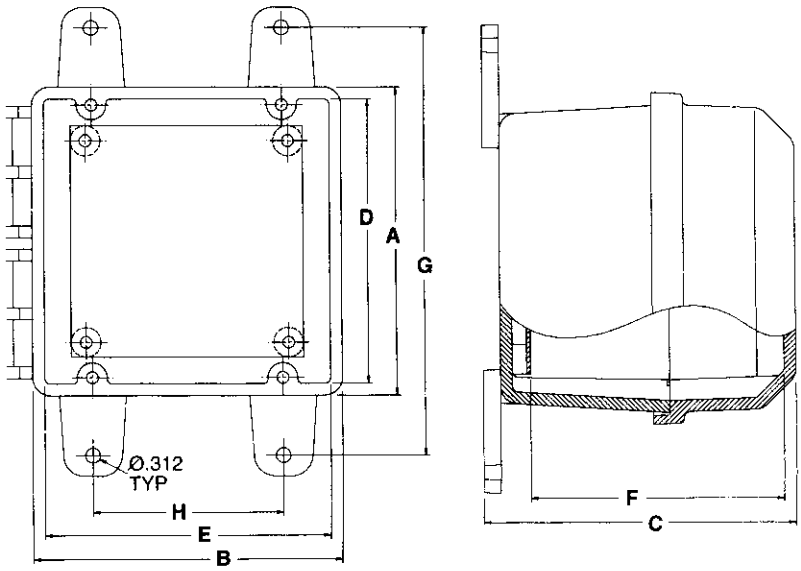
FACTORY ASSEMBLED CIRCUIT SAFE® JIC HINGED COVER STYLE ENCLOSURES

Opaque Cover Part Nos.	Price Per (ea.)	Clear Cover Part Nos.	Price Per (ea.)	Standard Carton Quantity (lbs.) Opaque/Clear	Back Panels* Steel/PVC Part Nos.	Panel Size	Std. Carton Qty. (lbs.) Steel/PVC
CJ665	$ 58.53	CC665	$ 73.17	1 (Opa 3.5) / 1 (Clr 3.1)	JP66/JP66P	4.88 x 4.88	1 (1.0) / 1 (0.3)
CJ863	$ 59.78	CC863	$ 74.73	1 (Opa 2.8) / 1 (Clr 3.1)	JP86/JP86P	6.75 x 4.88	1 (1.0) / 1 (.78)
CJ1085	$ 73.11	CC1085	$ 91.39	1 (Opa 5.2) / 1 (Clr 5.2)	JP108/JP108P	8.75 x 6.88	1 (1.5) / 1 (0.7)
CJ12106	$101.64	CC12106	$127.05	1 (Opa 7.1) / 1 (Clr 8.4)	JP1210/JP1210P	10.75 x 8.88	1 (2.0) / 1 (1.2)
CJ14126	$113.91	CC14126	$142.40	1 (Opa 9.0) / 1 (Clr 8.6)	JP1412/JP1412P	12.75 x 10.88	1 (3.2) / 1 (1.7)
CJ16147	$133.52	CC16147	$167.13	1 (Opa 10.6) / 1 (Clr 11.9)	JP1614/JP1614P	14.75 x 12.88	1 (4.7) / 1 (2.3)

Enclosures shipped with mounting feet, hinge caps and screws.
*Order back panels separately, see page 85.

Shaded area indicates non-stock factory make-to-order items only -- material is non-returnable and non-cancellable.

Dimensions							
External			Internal			Mounting	
A	B	C	D	E	F	G	H
6.50	6.50	6.69	6.00	6.00	5.45	9.00	4.00
8.50	6.50	4.49	8.00	6.00	3.25	11.00	4.00
10.50	8.50	6.69	10.00	8.00	5.45	13.00	6.00
12.50	10.50	7.69	12.00	10.00	6.45	15.00	8.00
14.50	12.50	7.72	14.00	12.00	6.48	17.00	10.00
16.50	14.50	8.46	16.00	14.00	7.22	19.00	12.00



Price Schedule Code 18

Listed E54381

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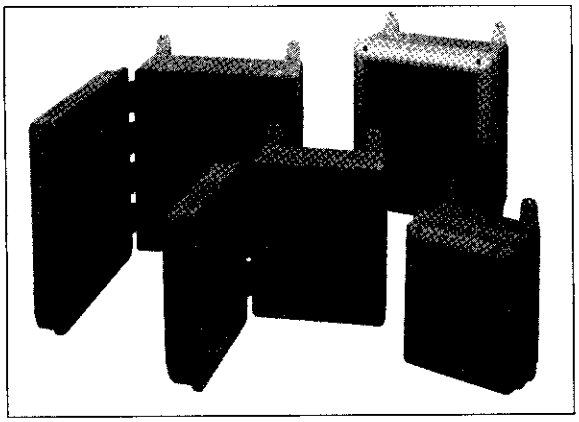


- Nonmetallic mounting feet and all mounting hardware included.
- 304 (18-8) stainless steel screw (10-32 / 1 1/8").
- Structural foam thermoplastic molded base and cover.
- White painted 14 gauge steel or 1/4" PVC back panel (order separately).
- Completely nonmetallic hinges.
- Lid design provides greater usable internal volume.
- Brass screw inserts.

Note: Window material 1/8" thick clear polycarbonate is permanently bonded to the cover.

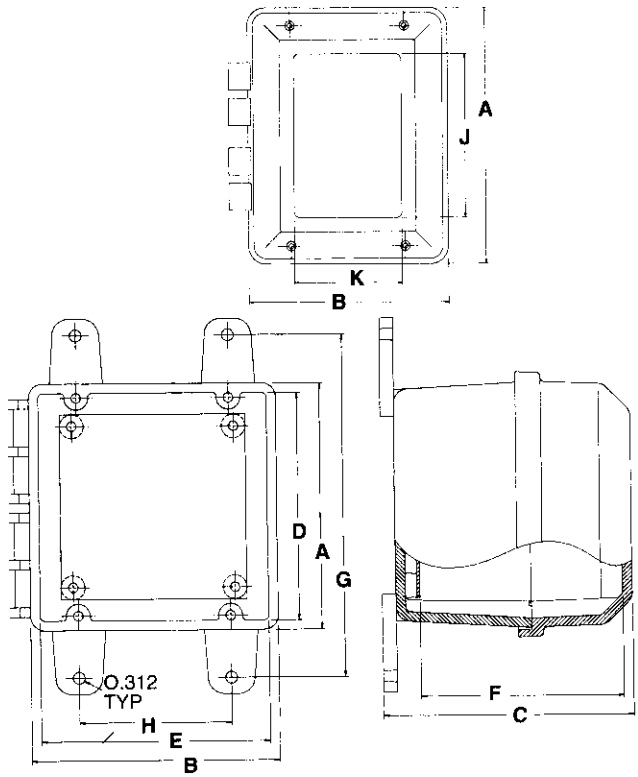
FACTORY ASSEMBLED CIRCUIT SAFE® JIC WITH NONMETALLIC HINGED WINDOW COVER STYLE ENCLOSURES

Part Number	Price Per (ea.)	Standard Carton Quantity (lbs.)	Back Panels* Steel/PVC Part Nos.	Panel Size	Std.Carton Qty. (lbs.) Steel/PVC
J665W	$113.47	1 (3.1)	JP66/JP66P	4.88 x 4.88	1 (1.0) / 1 (0.3)
J863W	$115.75	1 (3.2)	JP86/JP86P	6.75 x 4.88	1 (1.0) / 1 (.78)
J1085W	$147.03	1 (5.6)	JP108/JP108P	8.75 x 6.88	1 (1.5) / 1 (0.7)
J12106W	$180.24	1 (7.4)	JP1210/JP1210P	10.75 x 8.88	1 (2.0) / 1 (1.2)
J14126W	$204.11	1 (9)	JP1412/JP1412P	12.75 x 10.88	1 (3.2) / 1 (1.7)
J16147W	$232.10	1 (9.3)	JP1614/JP1614P	14.75 x 12.88	1 (4.7) / 1 (2.3)

Enclosures shipped with mounting feet, hinge caps and screws.
*Order back panels separately, see page 85.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Dimensions									
External			Internal			Mounting			
A	B	C	D	E	F	G	H	J	K
6.50	6.50	6.69	6.00	6.00	5.45	9.00	4.00	4.70	4.70
8.50	6.50	4.49	8.00	6.00	3.25	11.00	4.00	4.70	4.70
10.50	8.50	6.69	10.00	8.00	5.45	13.00	6.00	8.70	6.70
12.50	10.50	7.69	12.00	10.00	6.45	15.00	8.00	10.70	8.70
14.50	12.50	7.72	14.00	12.00	6.48	17.00	10.00	12.70	10.70
16.50	14.50	8.46	16.00	14.00	7.22	19.00	12.00	14.70	12.70



Price Schedule Code 18

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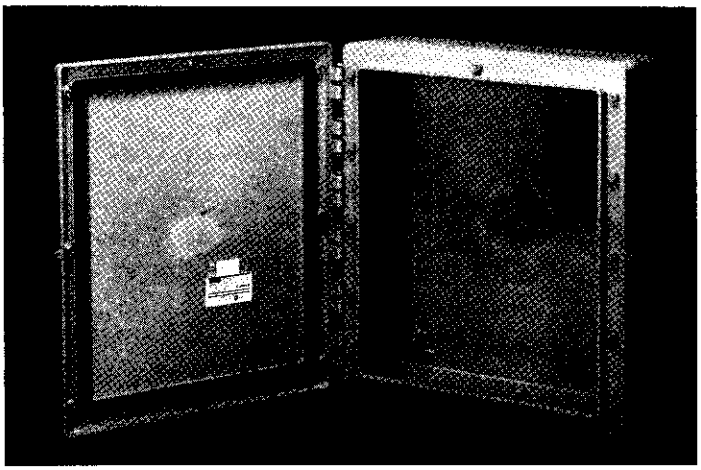


- Nonmetallic mounting feet and all mounting hardware included.
- Structural foam thermoplastic molded base and cover.
- White painted 14 gauge steel or 1/4" PVC back panel (order separately).
- 304 (18-8) stainless steel screws (10-32 / 1 1/8").
- Completely nonmetallic hinges.
- Brass screw inserts.

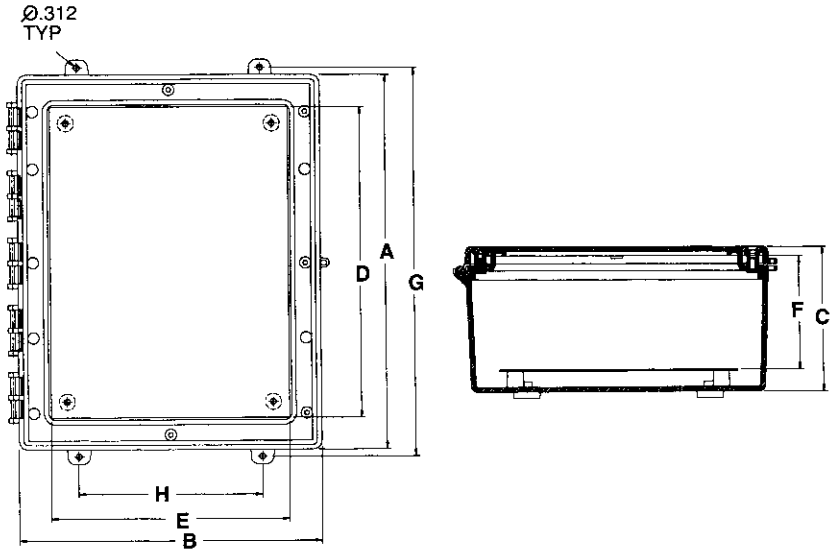
FACTORY ASSEMBLED CIRCUIT SAFE® JIC MEDIUM OPAQUE HINGED COVER STYLE ENCLOSURES*

Part Number	Price Per (ea.)	Standard Carton Quantity (lbs.)	Back Panels* Steel/PVC Part Nos.	Panel Size	Std.Carton Qty. (lbs.) Steel/PVC
C2016A4	$331.29	1 (15.1)	NP2016/NP2016P	17 x 13.25	1 (7.0) / 1 (6.1)
C2016B4	$351.15	1 (17.2)	NP2016/NP2016P	17 x 13.25	1 (7.0) / 1 (6.1)
C2016C4	$387.44	1 (19.7)	NP2016/NP2016P	17 x 13.25	1 (7.0) / 1 (6.1)
C2420A4	$416.95	1 (21.5)	NP2420/NP2420P	21 x 17	1 (10.4) / 1 (4.7)
C2420B4	$442.83	1 (24)	NP2420/NP2420P	21 x 17	1 (10.4) / 1 (4.7)
C2420C4	$477.19	1 (24.9)	NP2420/NP2420P	21 x 17	1 (10.4) / 1 (4.7)
C3024A4	$511.82	1 (28.4)	NP3024/NP3024P	27 x 21	1 (18.0) / 1 (9.8)
C3024B4	$566.99	1 (31.4)	NP3024/NP3024P	27 x 21	1 (18.0) / 1 (9.8)
C3024C4	$601.58	1 (34)	NP3024/NP3024P	27 x 21	1 (18.0) / 1 (9.8)

*Enclosure only available with opaque hinged cover. Enclosures shipped with mounting feet, hinge caps and screws.
**Order back panels separately, see page 85.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Dimensions							
External			Internal			Mounting	
A	B	C	D	E	F	G	H
20.50	16.50	8.36	17.25	13.25	6.28	21.26	10.00
20.50	16.50	10.36	17.25	13.25	8.28	21.26	10.00
20.50	16.50	12.36	17.25	13.25	10.28	21.26	10.00
24.50	20.50	8.36	21.25	17.25	6.28	25.26	14.00
24.50	20.50	10.36	21.25	17.25	8.28	25.26	14.00
24.50	20.50	10.36	21.25	17.25	8.28	25.26	14.00
30.50	24.50	8.36	27.25	21.25	6.28	31.26	18.00
30.50	24.50	10.36	27.25	21.25	8.28	31.26	18.00
30.50	24.50	12.36	27.25	21.25	10.28	31.26	18.00



Price Schedule Code 19

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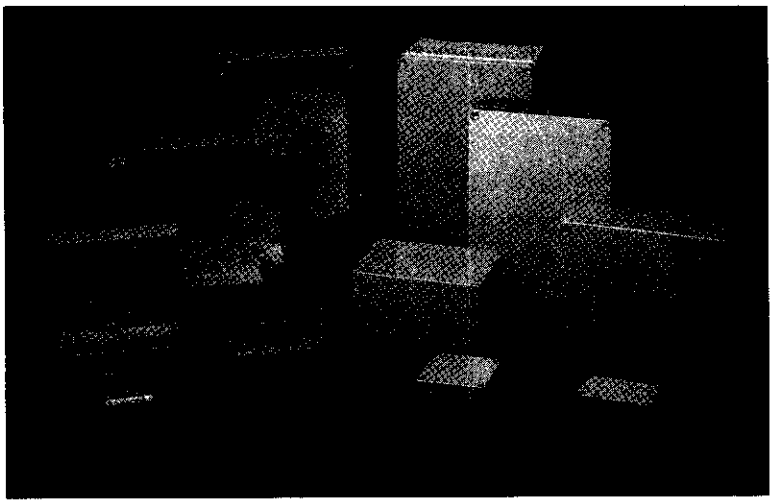


Features:

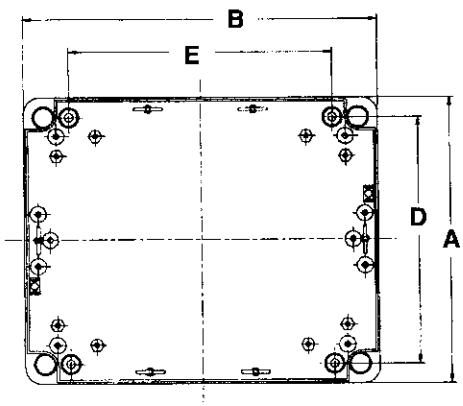
- Now NEMA 4X rated.
- Hidden hinges open 185° for easy access.
- M8x18 screws for back panel mounting (included).
- Sealing gasket on all models.
- Mounting plate available for specific sizes.
- Enclosures attach directly or with wall brackets.

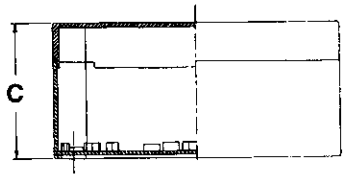
HE SERIES ENCLOSURES

Opaque Cover Assembly	Price Per (ea.)	Standard Carton Quantity	Standard Carton Weight (lbs.)	Clear Cover Assembly	Price Per (ea.)	Standard Carton Quantity	Std. Carton (wt.)	Locking Screw Type
HE432	$ 12.52	5	1.14	HE432C	$ 20.94	5	1.1	Stainless Steel
HE443	$ 13.03	6	3.25	HE443C	$ 16.85	6	3.1	Stainless Steel
HE533	$ 17.08	5	2.95	HE533C	$ 26.94	5	2.4	Stainless Steel
HE743	$ 26.47	2	1.14	HE743C	$ 37.29	2	1.2	Polyamide
HE974	$ 37.29	1	1.13	HE974C	$ 55.35	1	1.1	Polyamide
HE1194	$ 72.19	1	2.72	–	–	–	–	Polyamide
HE12105	$101.07	1	3.0	HE1210C	$133.55	1	3.0	Polyamide
HE14114	$113.10	1	4.0	HE1411C	$168.44	1	4.0	Polyamide

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Dimensions				
External			Internal	
A	B	C	D	E
4.33	2.96	2.29	4.14	2.76
4.14	4.14	2.60	3.90	3.90
5.32	2.92	2.84	5.12	2.72
6.70	4.14	3.23	6.46	3.90
8.67	6.62	4.18	8.43	6.38
10.64	8.67	4.14	7.48	9.81
12.33	9.97	4.53	11.82	9.45
13.42	10.62	4.14	12.92	10.16





MOUNTING PLATES

Part Numbers	Description	External Dimensions Inches	External Dimensions (mm)	Standard Carton Quantity*	Standard Carton Wt. (lbs.)	Price Per (ea.)
EMP743	Mounting Plate	7 x 4 x 3	(156 x 95)	10	10	$ 4.21
EMP974	Mounting Plate	9 x 7 x 4	(205 x 156)	10	8.50	$ 6.14
EMP1194	Mounting Plate	11 x 9 x 4	(258 x 208)	10	13	$ 9.87
EMP1210	Mounting Plate	12 x 10 x 5	(295 x 235)	5	4.1	$15.40
EMP1411	Mounting Plate	14 x 11 x 4	(320 x 250)	5	3	$15.88

WALL MOUNTING BRACKET

Part Number	Description	Standard Carton Quantity	Unit Weight (lbs.)	Price Per Hundred
HEWMB	Wall Mounting Bracket - All Enclosures	1	.35	$9.63

* Sold in carton quantity only.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 19

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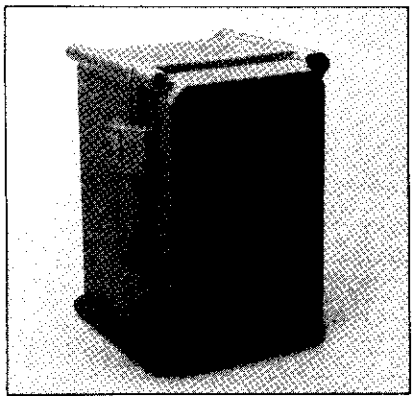


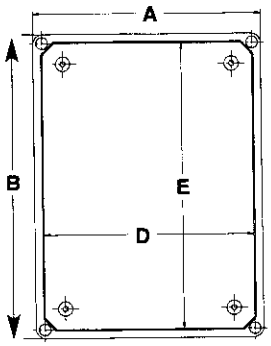
- Molded under high pressure.
- High impact strength.
- Chemical resistance.
- High dielectric strength.
- Excellent weathering capabilities.
- Clear cover available.

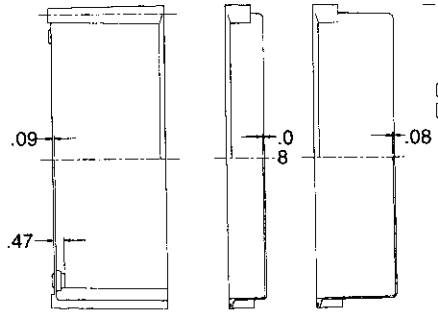
FACTORY ASSEMBLED HIMELINE HS SERIES SCREW-ON FASTENED & HINGED COVER STYLE ENCLOSURES (OPAQUE & CLEAR)

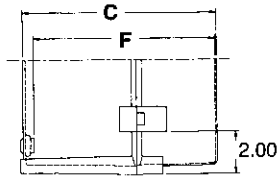
Opaque Screw-On Cover Part Nos.	Price Per (ea.)	Clear Screw-On Cover Part Nos.	Price Per (ea.)	Std. Carton Qty.	Opaque Hinged Cover Part Nos.	Price Per (ea.)	Clear Hinged Cover Part Nos.	Price Per (ea.)	Std. Carton Qty.	Opaque Wt. (lbs.) Each Screw/Hinged	Clear Wt. (lbs.) Each Screw/Hinged	Back Panel Part Nos.	Dimensions H x W	Thick-ness	Wt. (lbs.)	Std. Carton Qty.
HS7A7	$ 52.00	HS7A7C	$ 52.00	4	HH7A7	$103.86	HH7A7C	$103.86	2	10.7/7	10.9/6.2	HS7ABP	5.51 x 9.05	.08	1.2	1
HS11A7	$ 65.79	HS11A7C	$ 65.79	4	HH11A7	$115.74	HH11A7C	$115.74	2	15.2/8.5	14/8	HS11ABP	9.05 x 9.05	.08	2.3	1
HS11B7	$ 99.09	HS11B7C	$ 99.09	4	HH11B7	$130.93	HH11B7C	$130.93	1	17/4	18/4	HS11BBP	9.05 x 12.60	.08	3.1	1
HS11C7	$115.95	HS11C7C	$115.95	2	HH11C7	$164.60	HH11C7C	$164.60	2	13/13	12.5/13	HS11CBP	9.05 x 19.68	.08	4.8	1
HS15C7	$140.60	HS15C7C	$140.60	2	HH15C7	$189.85	HH15C7C	$189.85	1	17.7/11	18/11	HS15CBP	12.60 x 19.68	.08	6.5	1
HS21C7	$209.53	HS21C7C	$209.53	1	HH21C7	$254.94	HH21C7C	$254.94	1	12.5/13	12/13	HS21CBP	19.68 x 19.68	.08	10.4	1
HS11A9	$ 78.53	HS11A9C	$ 78.53	4	HH11A9	$130.93	HH11A9C	$130.93	1	15/4	15/4	HS11ABP	9.05 x 9.05	.08	2.3	1
HS11B9	$ 95.79	HS11B9C	$ 95.79	4	HH11B9	$146.24	HH11B9C	$146.24	1	20/6	19/6	HS11BBP	9.05 x 12.60	.08	3.1	1
HS11C9	$134.51	HS11C9C	$134.51	2	HH11C9	$184.06	HH11C9C	$184.06	1	14/9	14/9	HS11CBP	9.05 x 19.68	.08	4.8	1
HS15C9	$165.82	HS15C9C	$165.82	2	HH15C9	$213.06	HH15C9C	$213.06	1	18.5/11	19/11	HS15CBP	12.60 x 19.68	.08	6.5	1
HS21C9	$244.86	HS21C9C	$244.86	1	HH21C9	$290.38	HH21C9C	$290.38	1	13/14	14/14	HS21CBP	19.68 x 19.68	.08	10.4	1
HS15D9	$226.32	HS15D9C	$226.32	1	HH15D9	$275.15	HH15D9C	$275.15	1	13/13	13/13	HS15DBP	12.60 x 26.77	.10	11.1	1
HS21D9	$339.33	HS21D9C	$339.33	1	HH21D9	$380.13	HH21D9C	$380.13	1	18/18	17/18	HS21DBP	19.68 x 26.77	.10	17.4	1

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Dimensions					
External			Internal		
A	B	C	D	E	F
7.09	10.63	7.09	6.26	9.80	6.54
10.63	10.63	7.09	9.80	9.80	6.54
10.63	14.17	7.09	9.80	13.35	6.54
10.63	21.26	7.09	9.80	20.43	6.54
14.17	21.26	7.09	13.35	20.43	6.54
21.26	21.26	7.09	20.43	20.43	6.54
10.63	10.63	9.06	9.80	9.80	8.47
10.63	14.17	9.06	9.80	13.35	8.47
10.63	21.26	9.06	9.80	20.43	8.47
14.17	21.26	9.06	13.35	20.43	8.47
21.26	21.26	9.06	20.43	20.43	8.47
14.17	28.35	9.06	13.35	27.52	8.47
21.26	28.35	9.06	20.43	27.52	8.47







Placement of part P/N HSEH Hinge Kit at top and bottom of long side of HH Series enclosures.

Listed
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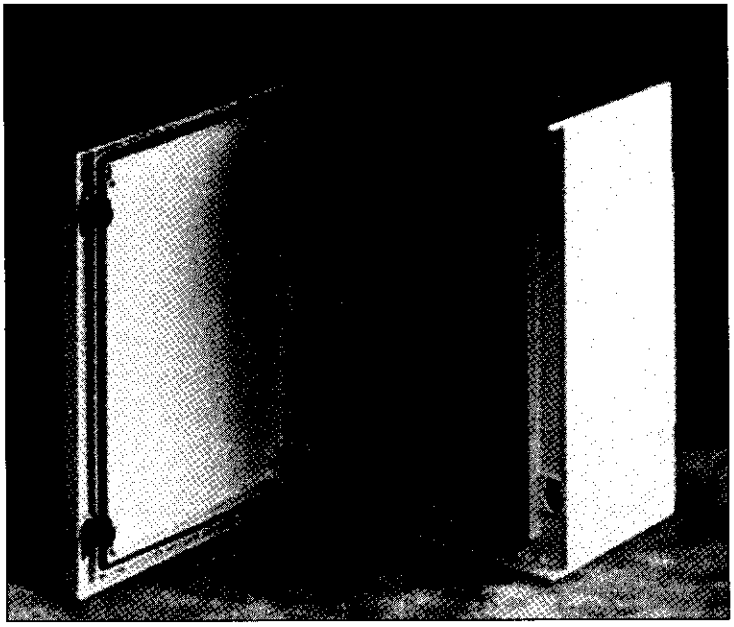
Price Schedule Code 19



Features:

- Projections for affixing cover mounted panel.
- Door locking mechanism convertible to key lock.
- M8x18 studs for back panel mounting (included).
- Hidden hinges open 185° for easy access.
- Multipositional DIN rail fixing components.
- Removable stainless steel hinge pins.
- Single piece construction.
- Opaque or tempered glass window options.
- Steel, nonmetallic & slotted backpanels available.
- External & internal venting available.
- Hinged variable height inner panel option.
- Quick lock 1/4-turn entry.
- Underside grid pattern on inner door panel.
- Self-positioning panel depth adjusters.
- Pole mounting kit.
- Pedestal mounting capability

MODELS, DIMENSIONS AND PART NUMBERS

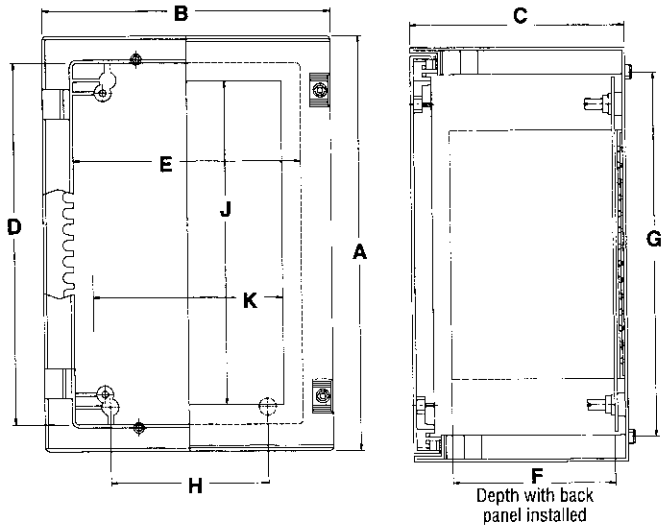
Through Enclosure Back Wall Mounting (Standard)

Enclosure With Opaque Cover Part Numbers	Standard Carton Quantity	Standard Carton Wt. (lbs.)	Standard Price Per (ea.)
HP1612B	1	11.04	$162.84
HP2016B	1	16.80	$226.56
HP2416C	1	21.13	$247.81
HP3020D	1	32.28	$336.30
HP3325D	1	39.00	$401.21

Enclosure With Clear Window	Window Dimension H X W (in.)	Standard Carton Quantity	Standard Carton Weight	Price Per (ea.)
HC1612B	11 x 7.87	1	12.5	$210.55
HC2016B	14.96 x 11.81	1	17.2	$282.74
HC2416C	18.89 x 11.81	1	24.12	$336.89
HC3020D	22.83 x 15.74	1	36.02	$372.98
HC3325D	26.77 x 19.68	1	43.12	$445.17

Dimensions									
External			Internal			External Mounting		Window	
A	B	C	D	E	F	G	H	J	K
16.93	12.99	7.87	14.96	10.24	6.61	14.76	5.91	11.02	7.87
20.87	16.93	7.87	18.90	14.17	6.61	18.70	9.84	14.96	11.81
25.47	17.17	9.84	22.83	14.17	8.35	22.64	9.84	18.90	11.81
29.41	21.10	11.81	26.77	18.11	10.28	26.57	13.78	22.83	15.75
33.35	25.04	11.81	30.71	22.05	10.28	30.51	17.72	26.77	19.69

See page 78, 79 & 86 for addtional accessories



Price Schedule Code 19

Listed
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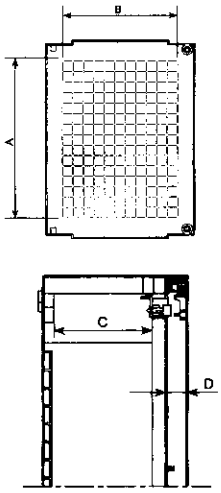
- Internal fiberglass reinforced polyester door assembly.
- Grid pattern on the inside for quicker positioning of equipment.
- Quick locking 1/4-turn entry.



HINGED INTERNAL DOOR

Part Numbers	A in.	A (mm)	B in.	B (mm)	C in.	C (mm)	D in.	D (mm)	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
PID1612	12.40	(315)	18.07	(205)	5.98	(152)	1.02	(26)	1	2.05	$50.90
PID2016	16.34	(415)	12.00	(305)	5.98	(152)	1.02	(26)	1	3.15	$61.31
PID2416	20.28	(515)	12.00	(305)	7.64	(194)	1.26	(32)	1	4.50	$69.41
PID3020	24.21	(615)	15.94	(405)	9.61	(244)	1.26	(32)	1	6.50	$80.98
PID3325	28.15	(715)	19.88	(505)	9.61	(244)	1.26	(32)	1	8.45	$97.18

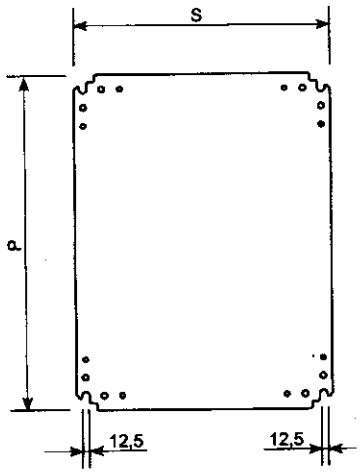
Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Listed
E54381

Price Schedule Code 19

BACK PANELS DIMENSIONS

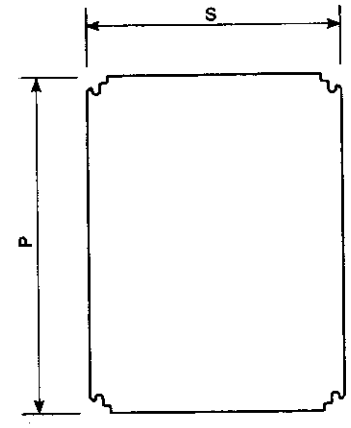
A complete range of plates, which can be directly fixed to the enclosure supports or to the adjustable depth supports.



STEEL BACK PANELS

• White painted 14 gauge steel back panels.

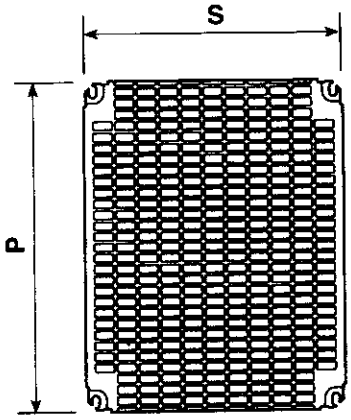
Part Numbers	To Fit Enclosures	Thickness in. (mm)	Weight lbs. (kg)	P in.	S in.	Std. Carton Qty.	Std. Ctn. Price Per (ea.)
PMM1612	HP1612B	079 (2)	3.10 (1.4)	14.37	9.84	1	$12.73
PMM2016	HP2016B	.079 (2)	6.15 (2.8)	18.30	13.78	1	$19.38
PMM2416	HP2416C	.079 (2)	8.0 (3.6)	22.24	13.78	1	$23.14
PMM3020	HP3020D	.079 (2)	12.04 (5.4)	26.18	17.72	1	$37.02
PMM3325	HP3325D	.118 (3)	20.00 (9.1)	30.11	21.65	1	$57.75



PVC INSULATING BACK PANELS

• 1/4" PVC UL94 V-O.

Part Numbers	To Fit Enclosures	Weight lbs. (kg)	P in. (mm)	S in. (mm)	Std. Carton Qty.	Std. Ctn. Price Per (ea.)
PMB1612	HP1612B	1.10 (0.5)	14.37 (365)	9.84 (250)	1	$18.01
PMB2016	HP2016B	2.65 (1.2)	18.30 (465)	13.78 (350)	1	$23.84
PMB2416	HP2416C	3.09 (1.4)	22.24 (565)	13.78 (350)	1	$37.51
PMB3020	HP3020D	4.63 (2.1)	26.18 (665)	17.72 (450)	1	$56.35
PMB3325	HP3325D	6.62 (3.0)	30.11 (765)	21.65 (550)	1	$83.74



SLOTTED BACK PANELS

• Zinc dichromated coated steel plates perforated for addition of electrical circuitry.

Part Numbers	To Fit Enclosures	Weight lbs. (kg)	P in. (mm)	S in. (mm)	Std. Carton Qty.	Std. Ctn. Price Per (ea.)
PMR1612	HP1612B	1.54 (0.7)	13.74 (349)	9.8 (251)	1	$ 36.75
PMR2016	HP2016B	2.87 (1.3)	17.72 (450)	13.82 (351)	1	$ 59.82
PMR2416	HP2416C	3.53 (1.6)	21.85 (555)	13.82 (351)	1	$ 72.97
PMR3020	HP3020D	5.07 (2.3)	25.39 (645)	17.76 (451)	1	$ 99.09
PMR3325	HP3325D	7.06 (3.2)	29.53 (750)	21.69 (551)	1	$119.64

Refer to the Enclosure Accessories section for back panel accessories on page 86 and 92-94.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 19

Listed
E54381

LR701839

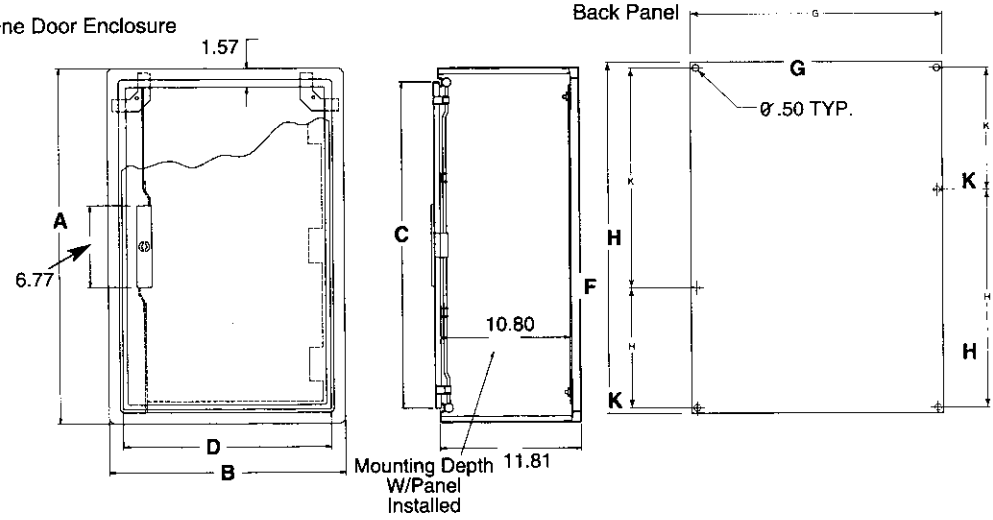
ONE DOOR ENCLOSURES

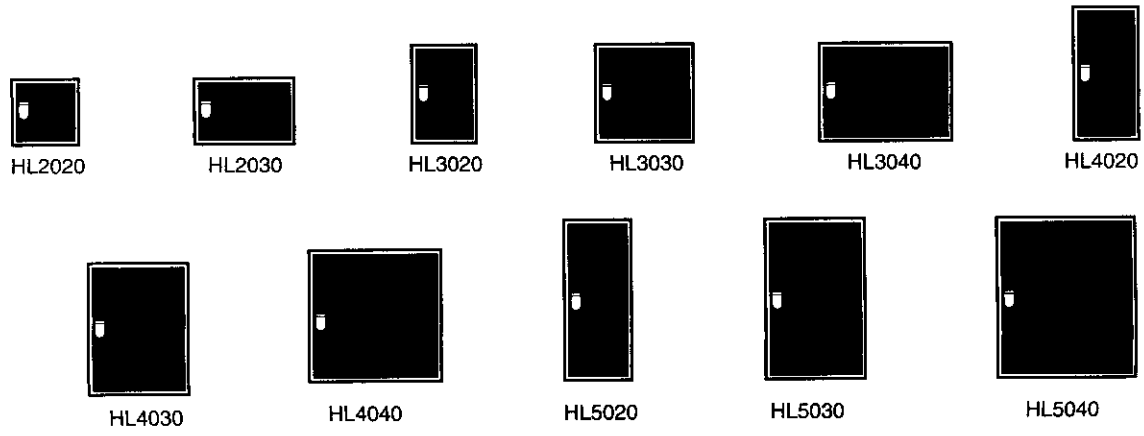
One Door Enclosures Part Nos.	Price Per (ea.)	No. of Hinges	Standard Carton Quantity	Standard Carton Wt. (lbs.)	White Painted Steel Back Panels* Back Panel Part Nos.	Std. Qty.	Thickness (in.)	Std. Carton Wt. (lbs.)	Dimensions F	G	H	K
HL2020	$ 447.56	2	1	29.25	L2020BP	1	0.11	8.79	15.74	15.74	–	–
HL2030	$ 512.36	2	1	36.95	L2030BP	1	0.11	14.88	25.59	15.74	–	–
HL3020	$ 519.41	3	1	36.15	L2030BP	1	0.11	14.88	25.59	15.74	–	–
HL3030	$ 662.78	3	1	51.25	L3030BP	1	0.11	21.85	25.59	25.59	–	–
HL3040	$ 831.44	3	1	59.50	L3040BP	1	0.11	29.5	35.43	25.59	22.01	12.22
HL4020	$ 702.25	4	1	45.0	L4020BP	1	0.11	17.08	35.43	15.74	22.01	12.22
HL4030	$ 764.97	4	1	57.40	L3040BP	1	0.11	29.5	35.43	25.59	22.01	12.22
HL4040	$ 956.39	4	1	76.50	L4040BP	1	0.11	43.3	35.43	35.43	22.01	12.22
HL5020	$ 794.74	5	1	54.6	L5020BP	1	0.11	25.45	45.27	15.74	22.01	22.01
HL5030	$ 935.19	5	1	80.0	L5030BP	1	0.11	35.75	45.27	25.59	22.01	22.01
HL5040	$1062.53	5	1	94.45	L5040BP	1	0.11	50.4	45.27	35.43	22.01	22.01

* Back panels ordered separately. Mounting feet and mounting hardware are included.

*Order back panels separately, see page 94.

Dimensions External A	B	C	Internal D	E	F
19.68	19.68	17.32	17.32	22.32	18.18
19.68	29.52	17.32	27.16	22.32	28.02
29.52	19.68	27.16	17.32	32.16	18.18
29.52	29.52	27.16	27.16	32.16	28.02
29.52	39.37	27.16	37.01	32.16	37.87
39.37	19.68	37.01	17.32	42.01	18.18
39.37	29.52	37.01	27.16	42.01	28.02
39.37	39.37	37.01	37.01	42.01	37.87
49.21	19.68	46.85	17.32	51.85	18.18
49.21	29.52	46.85	27.16	51.85	28.02
49.21	39.37	46.85	37.01	51.85	37.87





Except where noted by ➤

Listed
E54381

LR701839

Price Schedule Code 19

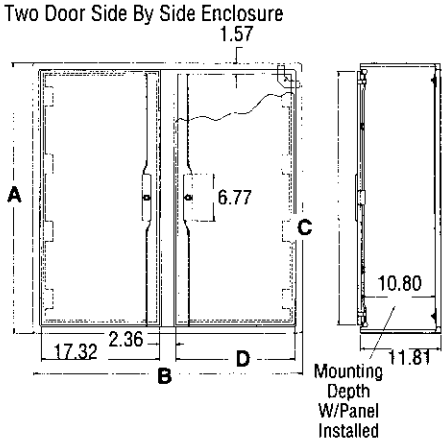
TWO DOOR ENCLOSURES

One Door Enclosures Part Nos.	Price Per (ea.)	No. of Hinges	Standard Carton Quantity	Standard Carton Wt. (lbs.)	Dimensions F	G	H	K	White Painted Steel Back Panels* Back Panel Part Nos.	Std. Ctn. Qty.	Thickness (in.)	Wt. (lbs.)
HL30402	$ 955.47	6	1	63.50	35.43	25.59	22.01	12.22	L3040BP	1	0.11	29.5
HL30502	$1046.60	6	1	80.25	45.27	25.59	22.01	22.01	L5030BP	1	0.11	35.75
HL40202	$ 842.28	8	1	48.5	35.43	15.74	22.01	12.22	L4020BP	1	0.11	17.08
➤ HL40302	$ 945.81	8	1	58.0	35.43	25.59	22.01	12.22	L3040BP	1	0.11	29.5
HL40402	$1113.17	8	1	78.25	35.43	35.43	22.01	12.22	L4040BP	1	0.11	43.3
➤ HL40502	$1195.17	8	1	97.75	45.27	35.43	22.01	22.01	L5040BP	1	0.11	50.40
➤ HL50202	$ 871.53	10	1	58.75	45.27	15.74	22.01	22.02	L5020BP	1	0.11	25.45
HL50302	$1047.91	10	1	79.75	45.27	25.59	22.01	22.01	L5030BP	1	0.11	35.75
HL50402	$1181.91	10	1	91.50	45.27	35.43	22.01	22.01	L5040BP	1	0.11	50.40

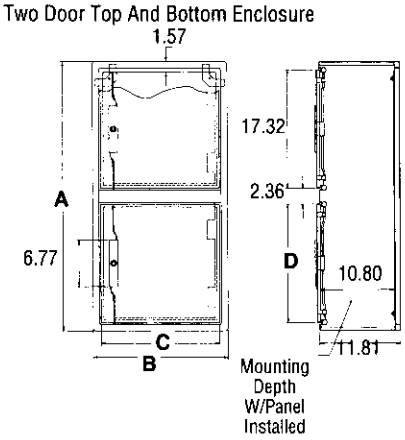
* Back panels ordered separately. Mounting feet and mounting hardware are included. *Order back panels separately, see page 94.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Two Door Side By Side Enclosure

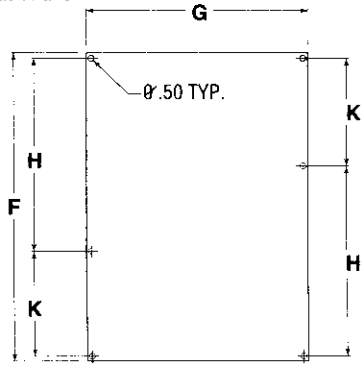


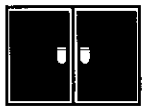
Two Door Top And Bottom Enclosure



Dimensions External A	B	C	Internal D	E	F
29.52	41.73	27.16	17.32	32.16	40.23
29.52	51.57	27.16	27.16	32.16	50.07
39.37	19.68	17.32	17.32	42.01	18.18
39.37	29.52	27.16	17.32	42.01	28.02
39.37	41.73	37.01	17.32	42.01	40.23
39.37	51.57	37.01	27.16	42.01	50.07
49.21	19.68	17.32	27.16	51.85	18.18
49.21	29.52	27.16	27.16	51.85	28.02
49.21	41.73	46.85	17.32	51.85	40.23

Back Panel

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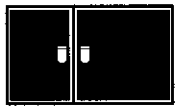
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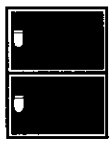
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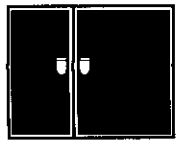
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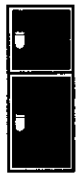
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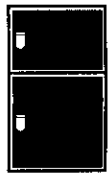

HL50402

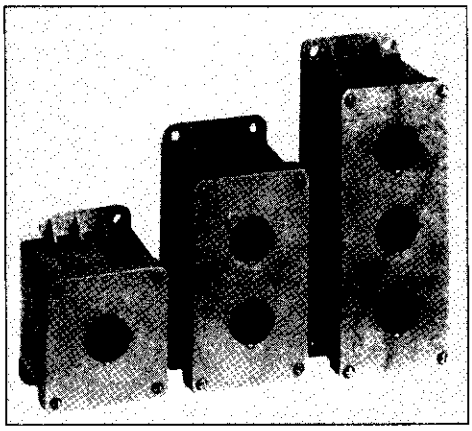
Price Schedule Code 18

Listed E54381 LR31146

Screw Cover Pushbutton Enclosures with 1-2-3 Hole Openings UL Listed Per UL 50 For Industrial Controls

Wall mount pushbutton enclosures are molded from gray, engineered thermoplastic material that is resistant to most corrosive agents. Universal pushbutton holes are designed to accommodate all standard oil-tight pushbuttons, switches and pilot lights. A grounding plate is included on the cover. Auxiliary devices must be rated for appropriate NEMA applications.

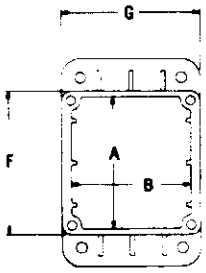
Temperature range from - 40°F to 185°F.

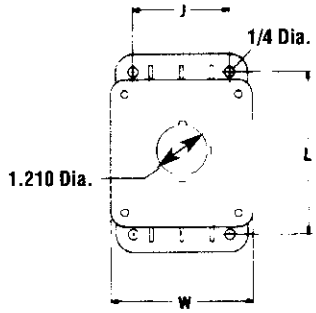


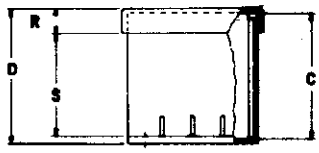
- 30.5 mm keyed or 22 mm pushbutton holes.
- Engineered thermoplastic base and cover.
- Integrally molded mounting flange.
- Brass screw inserts.
- 304 (18-8) stainless screws (8-32 / 3/8").

30.5 MM PUSHBUTTON ENCLOSURES*†

Part Numbers	Style	Inside Box Size A x B x C	Mounting L x J	Overall Outside Including Mounting Bracket H x W x D	F	G	R	S	Standard Carton Qty.	Standard Carton Wt. (lbs.)	Broken Ctn. Price (ea.)	Std. Ctn. Price (ea.)
CP100N	One Opening	3.13 x 2.81 x 3	4 x 2.38	4.88 x 3.50 x 3.38	3.38	3.25	.63	2.5	12	9	$33.35	$29.00
CP200N	Two Openings	5.38 x 2.81 x 3	6.25 x 2.38	7.13 x 3.50 x 3.38	5.63	3.25	.63	2.5	8	8	$36.46	$31.70
CP300N	Three Openings	7.38 x 2.81 x 3	8.50 x 2.38	9.38 x 3.50 x 3.38	7.88	3.25	.63	2.5	6	7.60	$40.10	$34.87







22 MM PUSHBUTTON ENCLOSURES*†

Part Numbers	Style	Inside Box Size A x B x C	Mounting L x J	Overall Outside Including Mounting Bracket H x W x D	F	G	R	S	Standard Carton Qty.	Standard Carton Wt. (lbs.)	Broken Ctn. Price (ea.)	Std. Ctn. Price (ea.)
PX0010	One Opening	3.13 x 2.81 x 3	4 x 2.38	4.88 x 3.50 x 3.38	3.38	3.25	.63	2.5	10	8.26	$37.21	$32.36
PX0007	Two Openings	5.38 x 2.81 x 3	6.25 x 2.38	7.13 x 3.50 x 3.38	5.63	3.25	.63	2.5	1	1.31	$39.43	$34.29
PX0011	Three Openings	7.38 x 2.81 x 3	8.50 x 2.38	9.38 x 3.50 x 3.38	7.88	3.25	.63	2.5	6	9.43	$43.59	$37.90
PX0008	Four Openings	7.38 x 2.81 x 3	8.50 x 2.38	9.38 x 3.50 x 3.38	7.88	3.25	.63	2.5	1	1.6	$44.97	$39.10

* All Circuit Safe pushbutton enclosures are furnished with standard hole dimensions: 1 7/32" diameter with keyways at 12 o'clock and 3 o'clock.
† Dimensions are in inches unless marked otherwise. Operators not included.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Listed
E54381

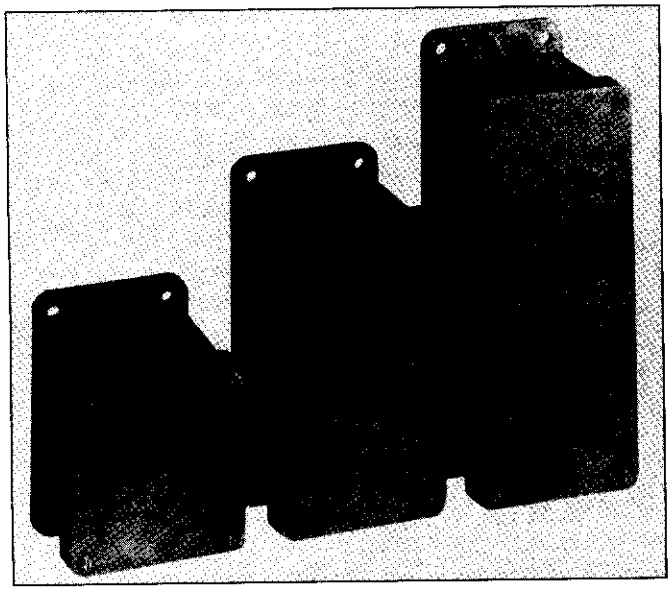
LR31146

Price Schedule Code 18

Narrow Profile Blank Screw Cover Enclosures for Small Instrumentation and Control Applications. UL Listed Per UL 50 for Industrial Controls Meets NEMA 1, 3, 3S, 4, 4X, 12, 13

Blank cover enclosures can be easily drilled with a standard hole saw for conduit entries and pushbuttons. Wall mount enclosures are molded from gray, engineered thermoplastic material and are resistant to most corrosive agents.

Temperature range from - 40˚F to 185˚F

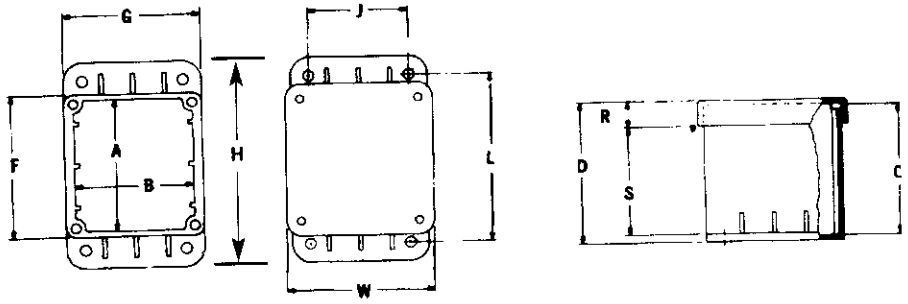


- Brass screw inserts.
- Engineered thermoplastic base and cover.
- Integrally molded mounting flange.
- 304 (18-8) stainless steel screws (10-32 / 3/8").

BLANK SCREW COVER ENCLOSURES*

Part Numbers	Style	Inside Box Size A x B x C	Mounting L x J	Overall Outside Including Mounting Bracket H x W x D	F	G	R	S	Standard Carton Qty.	Standard Weight (lbs.)/Unit	Broken Ctn. Price (ea.)	Std. Ctn. Price (ea.)
CP100NB	Blank Cover	3.13 x 2.81 x 3	4 x 2.38	4.88 x 3.50 x 3.38	3.38	3.25	.63	2.5	12	9.60	$33.35	$29.00
CP200NB	Blank Cover	5.38 x 2.81 x 3	6.25 x 2.38	7.13 x 3.50 x 3.38	5.63	3.25	.63	2.5	8	8.8	$36.46	$31.70
CP300NB	Blank Cover	7.38 x 2.81 x 3	8.50 x 2.38	9.38 x 3.50 x 3.38	7.88	3.25	.63	2.5	6	8.20	$40.10	$34.87

* Special openings or positionings available on request.



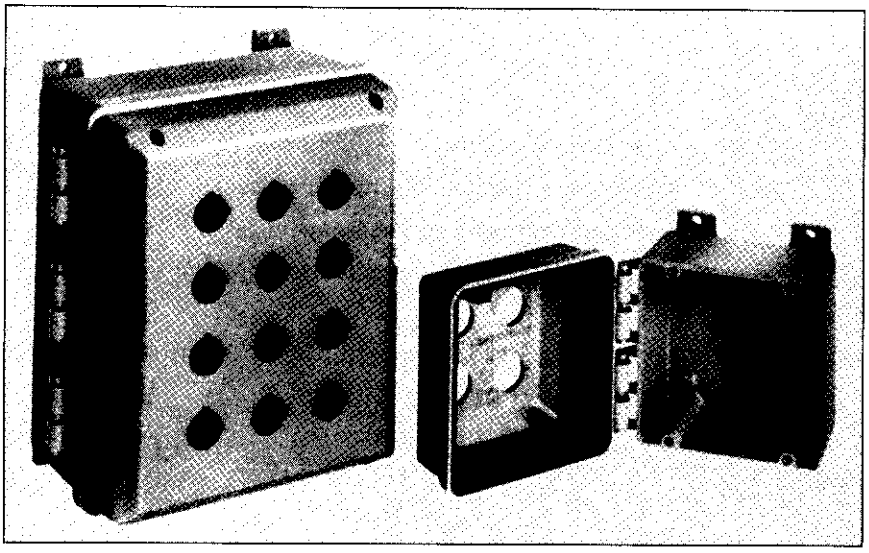
Price Schedule Code 18

Listed E54381 LR31146

Nonmetallic Hinged Cover Enclosures with Multiple Hole Openings

Made from engineered thermoplastic material, these enclosures are ideal for applications that require high-impact strength, chemical resistance, high dielectric strength, and excellent weathering capabilities, including indoor/outdoor industrial, MRO, and OEM applications. Nonmetallic hinges are an integral part of the mold. Hinge caps make cover captive and removable cover allows for easy field adjustment. Auxiliary devices must be rated for appropriate NEMA applications.

Temperature range from - 40˚F to 185˚F.



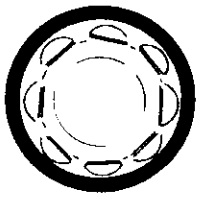
- Nonmetallic mounting feet and all mounting hardware included.
- White painted 14 gauge steel or 1 1/8" PVC back panel (order separately).
- Engineered thermoplastic base and cover.
- 304 stainless steel screws.
- Brass screw inserts.
- Lid design provides greater usable volume.
- Completely nonmetallic hinges.

SCREW COVER PUSHBUTTON ENCLOSURES WITH MULTIPLE 30.5 MM OPENINGS*

Part Numbers	Openings	Inside Box Size	Weight	Qty.	Panel Part Nos.	Size Steel or PVC	Price Per (ea.)
J665P	4	6 x 6 x 5.88	2.41	1	JP66 / JP66P	4.88 x 4.88	$ 76.80
J863P	6	8 x 6 x 3.63	1.86	1	JP86 / JP86P	6.75 x 4.88	$ 81.63
J1085P	9	10 x 8 x 5.88	5	1	JP108 / JP108P	8.75 x 6.88	$105.49
J12106P	12	12 x 10 x 6.88	4.29	1	JP1210 / JP1210P	10.75 x 8.88	$144.53
J14126P	20	14 x 12 x 6.88	7.19	1	JP1412 / JP1412P	12.75 x 10.88	$191.28
J16147P	25	16 x 14 x 7.63	11.20	1	JP1614 / JP1614P	14.75 x 12.88	$225.07

* All Circuit Safe pushbutton enclosures are furnished with standard hole dimensions: 1 7/32" diameter with keyways at 12 o'clock and 3 o'clock. Special openings or positionings available on request.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.



GASKETED PUSHBUTTON HOLE PLUG

Part Number	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
CP900	Standard PB hole	100	2.0	$371.12

Price Schedule Code 18

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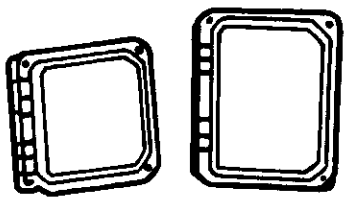
E110981
except where noted by ▶

NEMA 4X RATED

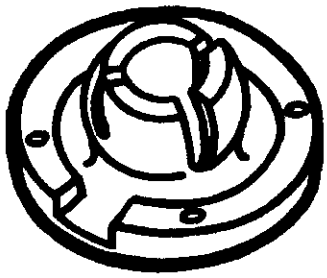
HINGED WINDOW KITS



Part Number	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Standard Carton Price (ea.)
NI64W	6 x 4	1	.8	$43.41
NI66W	6 x 6	1	.96	$45.16
NI86W	8 x 6	1	1.17	$47.68
NI88W	8 x 8	1	1.4	$52.24
NI108W	10 x 8	1	1.5	$57.72
NI1010W	10 x 10	1	1.82	$60.74
NI1210W	12 x 10	1	2.12	$66.08
NI1212W	12 x 12	1	2.65	$71.44
NI1412W	14 x 12	1	2.8	$74.39
▶ NI1614W	16 x 14	1	3.10	$78.63

Price Schedule Code 19

LR96563 Listed E110981



DRAINING DEVICE*

For 3R Rating and condensation build-up.

Part Number	Standard Carton Qty.	Standard Carton Weight (ea.)	Standard Carton Price Per (ea.)
HPVEA9	1	.31	$6.01

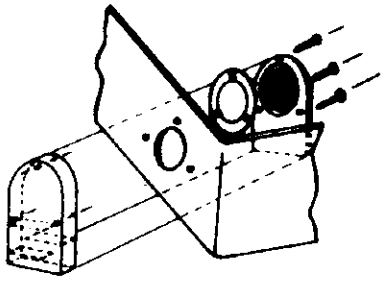
*Factory installation available.

AIR VENTS*

NEMA 1 Rated only.

Part Number	Style	Standard Carton Qty.	Standard Carton Weight (ea.)	Standard Carton Price Per (ea.)
HPVM25	For fitting outside of all enclosures	1	1	$3.01
HPVM35	For fitting inside	1	1	$6.01

*Factory installation available.



ENCLOSURE VENTILATOR*

Allows any size enclosure to breathe, yet remains watertight.

Part Number	Standard Carton Qty.	Standard Carton Weight (ea.)	Standard Carton Price Per (ea.)
HVM27	1	.01	$4.43

*Factory installation available.

All accessories can be factory installed. Consult your local Carlon Representative for price and delivery.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

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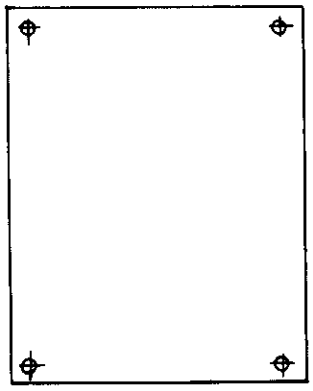
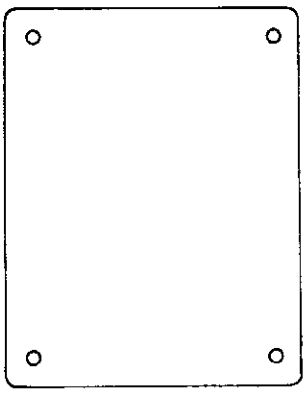
Price Schedule Code 18



STEEL BACK PANELS*

Steel back panels are white painted 14 gauge steel.

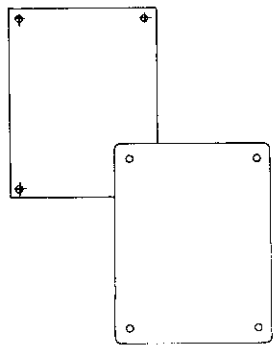
Part Numbers	Thickness (in.)	Size (in.)	Standard Carton Quantity	Standard Carton Weight (lbs.)	Standard Carton Price Per Hundred
JP64	14 gauge	4.88 x 2.88	1	0.6	$ 304.12
JP66	14 gauge	4.88 x 4.88	1	1.0	$ 320.07
JP86	14 gauge	6.75 x 4.88	1	1.0	$ 356.85
JP88	14 gauge	6.75 x 6.88	1	1.2	$ 446.38
JP108	14 gauge	8.75 x 6.88	1	1.5	$ 534.66
JP1010	14 gauge	8.75 x 8.88	1	2.3	$ 643.80
JP1210	14 gauge	10.75 x 8.88	1	2.0	$ 783.61
JP1212	14 gauge	10.75 x 10.88	1	3.5	$ 868.21
JP1412	14 gauge	12.75 x 10.88	1	3.2	$1103.67
JP1614	14 gauge	14.75 x 12.88	1	4.7	$1318.27



PVC BACK PANELS*

PVC back panels are made from 1/4" PVC and meet UL94 V-O.

Part Numbers	Size (in.)	Standard Carton Quantity	Standard Carton Weight (lbs.)	Standard Carton Price Per Hundred
JP66P	4⅞ x 4⅞	1	0.3	$1275.35
JP86P	6¾ x 4⅞	1	0.776	$1451.94
JP88P	6¾ x 6⅞	1	0.5	$1769.35
JP108P	8¾ x 8⅞	1	0.7	$2089.61
JP1210P	10¾ x 10⅞	1	1.2	$2868.31
JP1212P	10¾ x 10⅞	1	1.5	$3683.88
JP1412P	12¾ x 10⅞	1	1.7	$4213.55
JP1614P	14 ¾ x 12 ⅞	1	2.3	$4708.98



MEDIUM NEMA BACK PANELS*

Part Numbers Steel/PVC	Size	Standard Carton Quantity	Standard Carton Weight (lbs.) Steel/PVC	Standard Carton Price Per (ea.) Steel	PVC
NP2016 / NP2016P	17 x 13	1	7.0 / 6.125	$20.54	$ 72.92
NP2420 / NP2420P	21 x 17	1	10.4 / 4.71	$29.73	$115.38
NP3024 / NP3024P	27 x 21	1	18.0 / 9.781	$45.30	$178.39

*Circuit Safe NEMA enclosures are not shipped with back panels which must be ordered separately.

All accessories can be factory installed. Consult Customer Service for price and delivery.

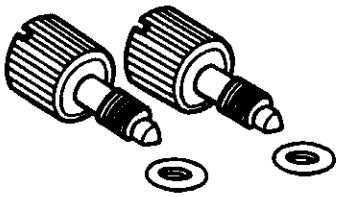
Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 18

MOUNTING RAILS*

Mounting Rail Kits For Opaque Cover Enclosures†	Price Per (ea.)	Mounting Rail Kits For Clear Cover Enclosures†	Price Per (ea.)	Size (in.)	Standard Carton Quantity	Standard Carton Weight (lbs.)
NMK4V	$ 5.29	NMK4V	$ 5.29	4	25	5
NMK6V	$ 7.27	NMK6V	$ 7.27	6	24	7.7
NMK8V	$ 8.86	NMK8V	$ 8.86	8	24	10.25
NMK10V	$ 9.95	NMK10V	$ 9.95	10	20	13.26
NMK12V	$11.67	NMK12L	$11.67	12	20	11.4
NMK14V	$13.62	NMK14L	$13.62	14	25	17.76

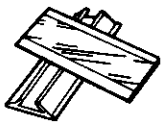
*Mounting rails can be mounted on long or short side of enclosure.
†Parts with "V" suffix manufactured from PVC material, "L" suffix from polycarbonate material.



#10-32 PANEL THUMB SCREWS

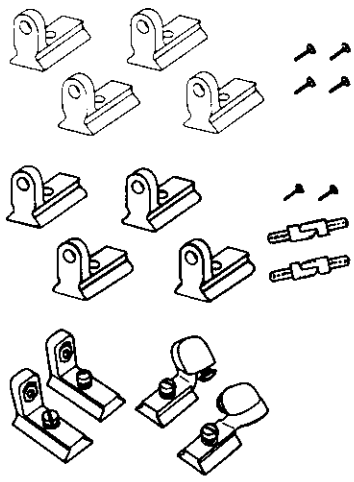
Used on internal hinge door only.

Part Number	Description	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
NBPTSK	2 #10-32 thumb screws 2 nonmetallic washers	10 kits	.660	$3.38



ADD-ON RAIL KIT

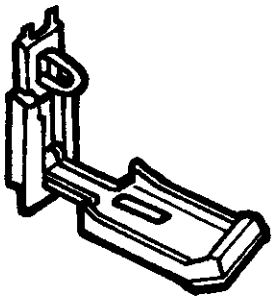
Part Numbers	Description	Size (in.)	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
NAR4K	2 rails with double-sided tape	4	25	5	$ 7.60
NAR6K	2 rails with double-sided tape	6	25	6.45	$10.18

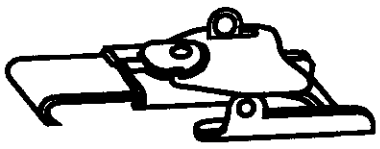


PANEL ADJUSTER KITS

Product	Part Numbers	Description	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
Panel Adjuster Kit	NBPADJ2	4 panel adjusters 4 #10-32 screws to mount panel	10 kits	2.07	$15.12
180° Swing Out Panel Kit	NBPSWG	4 panel adjusters 2 hinges 2 #10-32 screws to mount panel	10 kits	2.68	$24.83
Swing Out Panel Adjuster Kit	NBPSWG2	2 hinged adjusters 2 panel adjusters 4 #10-32 screws	10 kits	1.80	$24.83

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.



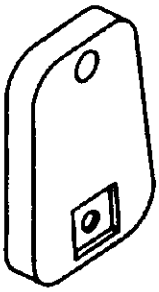


LATCH KITS

For NEMA hinged enclosures.

Product	Part Numbers	Description	Standard Carton Qty.	Standard Carton Weight (lbs.)	Price Per (ea.)
Nonmetallic Quick-Release Latch Kit	NPL1L	Quick-Release Latch Kit for use with hidden hinge enclosure for NH & NI Series	25	2.00	$ 6.74
Nonmetallic Quick-Release Latch Kit	NPL1S	Quick-Release Latch Kit for use with external hinge enclosure for NJ & NC Series	25	2.00	$ 6.74
Stainless Steel Quick-Release Latch Kit	SSLL	Quick-Release Latch Kit for use with hidden hinge enclosure for NH & NI Series	25	4.27	$21.33
Stainless Steel Quick-Release Latch Kit	SSLS	Quick-Release Latch Kit for use with external hinge enclosure for NJ & NC Series	25	3.41	$21.33

Price Schedule Code 18

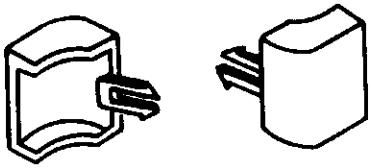


MOUNTING FEET

For Circuit Safe Enclosures – Type CC, CJ, CS, CV

Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
CJB159*	1	0.04	$115.57

*CJB159 nonmetallic mounting feet provide 1/4" standoff and may be used to mount enclosures in horizontal or vertical mode. They are shipped with all Circuit Safe JIC enclosures. No screws are provided when mounting feet are ordered separately.



HINGE CAPS*

For Circuit Safe Enclosures – Type CC, CJ

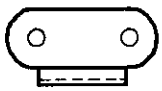
Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
CH100R	1	0.03	$50.09

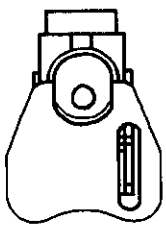
*For Circuit Safe enclosures to secure covers to bases. Shipped as standard with hinge cover enclosure.

JIC INSTALLATION KITS*

Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
CH 208	20	.3.8	$588.65

*Installation kit is included as standard equipment with all JIC enclosures. Information listed here for purposes of additional purchase only. Kit includes 4 mounting feet, 8 hinge caps, and 8 screws.





JIC LATCH KITS

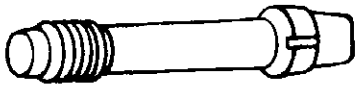
Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
CJTL	20	3.8	$9.46

Stainless steel. Kit includes latch and keeper.
Factory Installation available.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

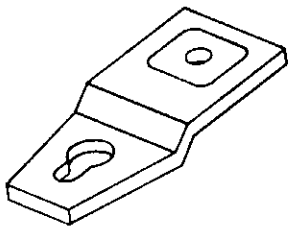
Price Schedule Code 19

THUMB SCREWS – FOR HIMELINE HS AND HH ENCLOSURES



Part Numbers	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
HSTS4	1	0.090	$3.29
HSTS6	1	0.11	$5.19
HSTS8	1	0.16	$6.62

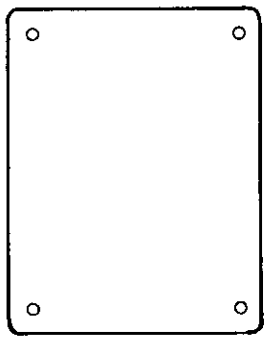
MOUNTING FEET – FOR HIMELINE HS AND HH ENCLOSURES



Part Numbers	Description	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
HSMFZ	Zinc dichromated Steel	4/set	0.22	$ 5.09
HSMFSS	304 Stainless Steel	4/set	0.21	$13.06

BACK PANELS – FOR HIMELINE HS AND HH ENCLOSURES*

Metal back panels are white painted 14 gauge steel.

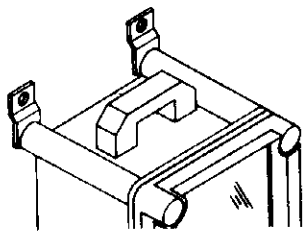


Part Numbers	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
HS7ABP	5.51 x 9.05	1	1.2	$ 6.56
HS11ABP	9.05 x 9.05	1	2.27	$ 9.36
HS11BBP	9.05 x 12.60	1	3.08	$12.83
HS11CBP	9.05 x 19.68	1	4.77	$17.06
HS15CBP	12.60 x 19.68	1	6.5	$25.46
HS21CBP	19.68 x 19.68	1	10.35	$31.89
HS15DBP	12.60 x 26.77	1	11.1	$34.53
HS21DBP	19.68 x 26.77	1	17.41	$49.07

*Himeline HS and HH enclosures are not shipped with back panels. Order separately.

NONMETALLIC CARRYING HANDLE

Converts enclosures to portable units for meters and portable power.



Part Numbers	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
HSCH	1	0.23	$18.67

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Price Schedule Code 19

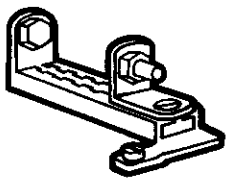
FIXING ACCESSORIES FOR SLOTTED PLATES

FIXING NUT				
Part Numbers	Standard Carton Wt.	Type Of Thread	Standard Carton Qty.	Price Per Hundred
HPFA4	1.5	M4	100	$56.54
HPFA4	1.5	M4	100	$56.54
HPFA5	1.5	M5	100	$69.78
HPFA5	1.5	M5	100	$69.78
HPFA6	1.5	M6	100	$72.19
HPFA6	1.5	M6	100	$72.19

FIXING BOLT WITH WASHER				
Part Numbers	Standard Carton Wt.	Length (in.)	Standard Carton Qty.	Price Per Hundred
HPFB104	3.10	.39	100	$46.88
HPFB164	2.50	.63	100	$54.72
HPFB125	2.50	.47	100	$54.72
HPFB185	2.50	.71	100	$54.72
HPFB126	2.50	.47	100	$46.88
HPFB186	2.50	.71	100	$93.80

For slotted back panels, see page 77.

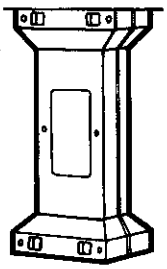
BACK PANEL DEPTH ADJUSTABLE SUPPORTS



Supports designed to fit 7.87" (200 mm), 9.84" (250 mm), 11.81" (300 mm) and 13.78" (350 mm) deep enclosures. Self-positioning slots allow for adjustment every .49" (12.5 mm). Made of zinc dichromated coated steel.

Part Numbers	To Fit Enclosures	A in./mm	B in./mm	Standard Carton Wt. (lbs.)	Standard Carton Qty.	Price Per (ea.)
HPLM200 HPLM200	HP1612B & HP2016B	5.98/152	3.90/99	1.07	4	$50.53
HPLM250	HP2416C	8.07/205	4.13/105	4.00	4	$52.94
HPLM300 HPLM300	HP3020D & HP3325D	10.04/255	8.07/205	1.00	4	$56.54

PEDESTAL MOUNT

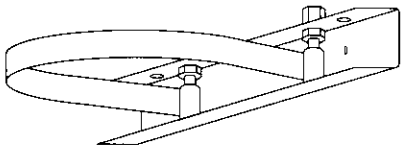


Part Number	To Fit To Enclosures	Standard Carton Quantity	Standard Carton Wt. (lbs.)	Price Per Hundred
HPSFS1	HP2016B HP2416C	1	20.0	$670.13

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

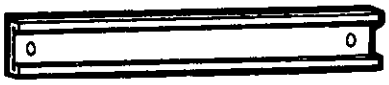
Price Schedule Code 19

POLE MOUNTING SET



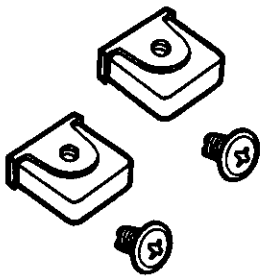
Part Numbers	To Fit To Enclosures	Standard Carton Quantity	Carton Wt.(ea.) (lbs.)	Price Per (ea.)
HPPF300	HP1612B	1	1.00	$133.55
HPPF400	HP2016B HP2416C	1	1.00	$137.16
HPPF500	HP3020D	1	1.00	$143.18
HPPF600	HP3325D	1	1.00	$144.38

35 MM SYMMETRICAL DIN RAIL



Part Numbers	To Fit To Enclosures	Width (in.)	Standard Carton Quantity	Standard Carton Wt. lbs. (ea.)	Price Per Hundred
HPCO300	HP1612B	11.02	1	.25	$561.87
HPCO400	HP2016B, HP2416C	14.96	1	.25	$647.30
HPCO500	HP3020D	18.90	1	.25	$732.72
HPCO600	HP3325D	22.83	1	.25	$812.14

RAIL MOUNTING INSERT



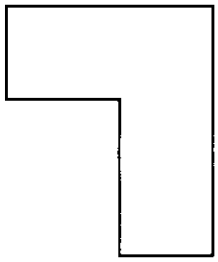
Part Number	Features	Standard Carton Quantity	Standard Carton Wt. lbs. (ea.)	Price Per (ea.)
HPRFK	Fits all enclosures	1	.750	$1.26

WALL MOUNTING SET

Part Number	Strandard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
HPWMF	4	.352	$25.93

BLANKING GROMMET

To close off openings on enclosure backs.



Part Numbers	Fits Enclosure Sizes	Standard Carton Description	Standard Quantity	Standard Weight (lbs.)	Price Per (ea.)
HPBNGB	16 x 12 and 20 x 16	Blanking Grommet	4	.5	$6.92
HPBNGC	24 x 16, 30 x 20, 33 x 25	Blanking Grommet	4	.5	$7.76

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

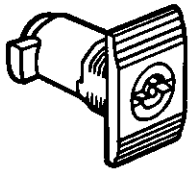
Price Schedule Code 19

COUPLING FRAME - FOR HIMELINE HP ENCLOSURES HP3020D and HP3325D

COUPLING FRAME

Part Number	Standard Carton Quantity	Standard Carton Weight	Price Per (ea.)
HPBU	1	1 lb.	$52.94

LOCKS - FOR HIMELINE HP ENCLOSURES



REPLACEMENT DOOR LOCK

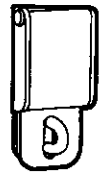
Part Number	Standard Carton Qty.	Standard Carton Weight	Price Per (ea.)
HPRLA	1	.050	$7.22

For replacement handle, order HPRSH.

CYLINDER KEY LOCK (KEYED ALIKE)

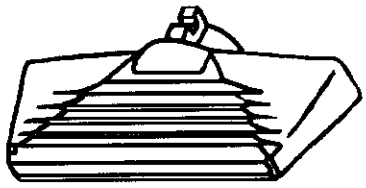
Part Number	Standard Carton Qty.	Standard Carton Weight	Price Per (ea.)
HPTPLM	1	1.00	$11.19

For replacement key, order HPRKO.



PADLOCKING SERVICE

Part Number	Standard Carton Qty. (ea.)	Standard Carton Weight	Price Per (ea.)
HPPLH	1	.050	$34.29

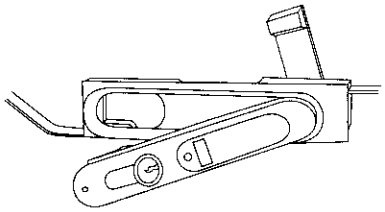


REPLACEMENT STANDARD HANDLE

Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
HPRSH	1	0.050	$1.81

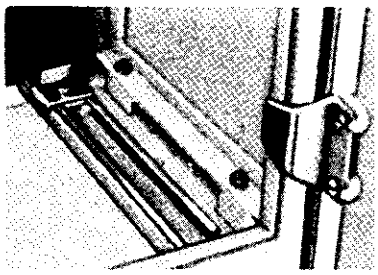
Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 19



CYLINDER KEY LOCK

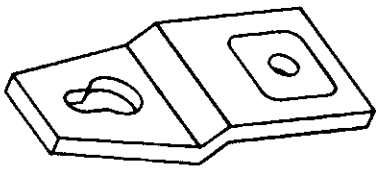
Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Hundred
HLTEL	1	1.00	$116.34



BACK PANEL ADJUSTERS*

Part Number[1)]	For Use With	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Set
HLBPA4	HL2020, HL2030, HL3030	1 set of 4	3.05	$43.59
HLBPA6	For all other	1 set of 6	5.8	$63.17

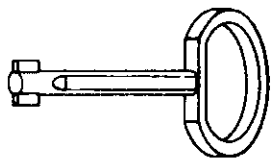
* Factory installed.



MOUNTING FEET*

Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per Set
HLMFSS	1 set of 4	0.69	$30.70

*Himeline HL enclosures are shipped with HLMFZ zinc dichromated steel mounting feet as standard.

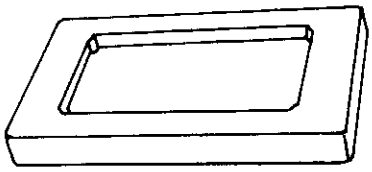


REPLACEMENT OPERATING HANDLE

Part Number	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
HLLTD	1	0.1	$11.48

Shaded area indicates non-stock factory order only – consult your local Carlon Representative for details.

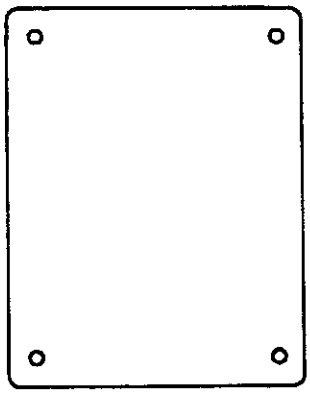
Price Schedule Code 19



FLOOR MOUNTING BASES*

Part Numbers[1]	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
HLMB20	19.68 x 11.81	1	9.6	$115.41
HLMB30	29.52 x 11.81	1	11.25	$122.04
HLMB40	39.37 x 11.81	1	12.8	$143.25

*For use with Himeline HL enclosures. Bases are made from glass fiber reinforced polyester. Provides an approximate 2" rise above floor.



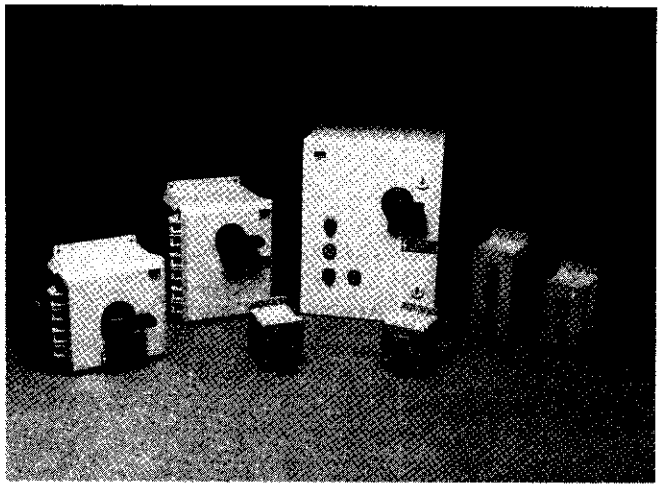
BACK PANELS*

White painted 14 gauge steel.

Part Numbers	Size	Standard Carton Quantity	Standard Carton Weight (lbs.)	Price Per (ea.)
L2020BP	15.74 x 15.74	1	8.79	$ 26.26
L2030BP	15.74 x 25.59	1	14.88	$ 40.73
L3030BP	25.59 x 25.59	1	21.85	$ 67.61
L3040BP	25.59 x 35.43	1	29.5	$ 78.84
L4020BP	35.43 x 15.74	1	17.08	$ 51.07
L4040BP	35.43 x 35.43	1	43.3	$108.85
L5020BP	45.27 x 15.74	1	25.45	$ 69.96
L5030BP	45.27 x 25.59	1	35.75	$110.29
L5040BP	45.27 x 35.43	1	50.40	$142.52

*Himeline HL enclosures are not shipped with back panels. Order separately. PVC back panels available on request.

Shaded area indicates non-stock factory order only – consult your local Carlon Representative for details.



DISCONNECTS

PUSHBUTTON STATIONS

DISCONNECTS AND PUSHBUTTON STATIONS

Featuring ABB Control Inc. Electrical Components

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 18

③ LR58077
④ LR58247

Listed
① E63822
② E101914

NON-FUSIBLE DISCONNECTS 3 POLE(2)

NEMA 12/4X Opaque Hinged Cover Part Number	Price Per (ea.)	Enclosure Dimensions (Suffix)(3)	Voltage Rating (VAC)	AMP	–	Standard Carton Quantity	Approx. Carton Weight (lbs.)
DN16NEA	$ 281.03	6x4x4 (A)	① ④	40	–	1	6.5
DN16NLB	$ 286.72	6x6x4 (A)	① 250/ ④	40	–	1	7.22
DN26NLD	$ 347.74	8x8x4 (A)	600 ①	80	–	1	8.79
DN36NLF	$ 420.12	10x8x6 (A)	① VAC ③	100	–	1	10.30
DN46NAJ	$1788.36	30x20x12 (B)		200	–	1	48.37
DN56NAM	$3065.76	40x20x12 (B)	② ③	400	–	1	57.80

FUSIBLE DISCONNECTS 3 POLE(1,2)

NEMA 12/4X Opaque Hinged Cover Part Number	Price Per (ea.)	Enclosure Dimensions (Suffix)(3)	Voltage Rating (VAC)	AMP	Fuse Clip	Standard Carton Quantity	Approx. Carton Weight (lbs.)
DR12NLK	$ 569.02	16x14x6 (A)	① ③	40	R-Rejection[4] Type Fuse Block	1	18.00
DR22NLK	$ 620.63	16x14x6 (A)	① ③	80		1	19.12
DR32NAJ	$1121.27	30x20x12 (B)	① 250 ③	100		1	45.00
DR42NAN	$2479.96	40x30x12 (B)	VAC	200		1	100.47
DR52NAN	$5943.12	40x30x12 (B)	② ③	400		1	128.96
DR16NLK	$ 569.02	16x14x6 (A)	① ③	40	R-Rejection[4] Type Fuse Block	1	18.20
DR26NLK	$ 620.63	16x14x6 (A)	① ③	80		1	19.12
DR36NAJ	$1121.27	30x20x12 (B)	600	100		1	56.15
DR46NAN	$2479.96	40x30x12 (B)	① VAC ③	200		1	100.89
DR56NAN	$5943.12	40x30x12 (B)	② ③	400		1	131.96
DJ16NLF	$ 713.54	10x8x6 (A)	① ③	30	J-Fusible Type Disconnect	1	12.84
DJ26NLF	$ 868.37	10x8x6 (A)	① ③	60		1	12.84
DJ36NLJ	$1147.08	30x20x12 (B)	① 600 ③	100		1	15.77
DJ46NAJ	$2968.98	30x20x12 (B)	VAC	200		1	57.41
DJ56NAJ	$3691.55	30x20x12 (B)	② ③	400		1	70.18

NOTES: 1. Fused disconnects do not include fuses.
3. See dimensional information suffix indicated.
4. Fuse clips for 40 & 80 amp switches maximum fuses 30 & 60 amp.

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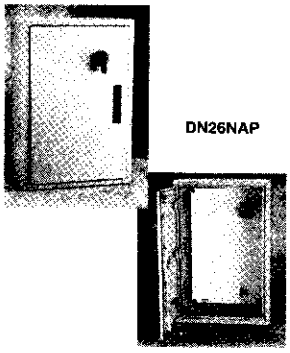
Listed
① E63822
② E101914

③ LR58077
④ LR58247

Price Schedule Code 18

DISCONNECT SWITCHES
SPECIALTY TYPE DISCONNECTS

OVERSIZED NON-FUSIBLE DISCONNECTS 3-POLE NEMA 4X (1)


DN26NAP

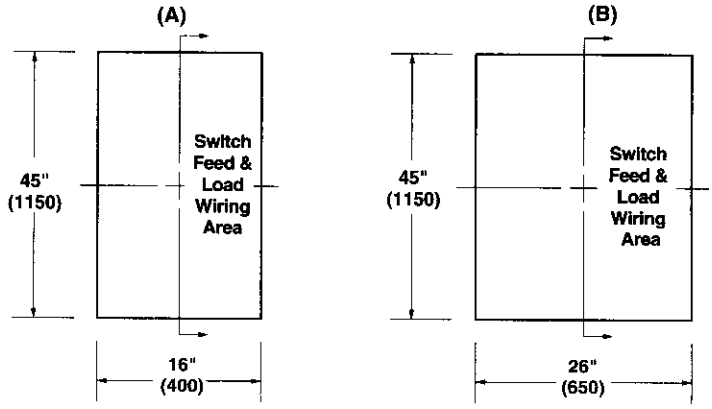
NEMA 4X Opaque Quick Release Cover Part Number	Enclosure Dimensions(3) (Suffix)	Voltage Rating (VAC)	AMP	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
DN16NAP	50x20x12 (B)	250/600 VAC	40	1	78.64	$1125.15
DN26NAP			80	1	80.68	$1162.56
DN36NAP			100	1	81.08	$1216.75
DN46NAP			200	1	84.32	$1904.49
DN56NAP			400	1	91.31	$2998.66

OVERSIZED FUSIBLE DISCONNECTS 3-POLE NEMA 4X (1,2)

NEMA 4X Opaque Quick Release Cover Part Number	Enclosure Dimensions(3) (Suffix)	Voltage Rating (VAC)	AMP	Fuse Clip	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
DR12NAQ	50x30x12 (B)	250 VAC	40	R-Rejection4 Type Fuse Block	1	107.84	$1367.72
DR22NAQ			80		1	109.41	$1419.33
DR32NAQ			100		1	112.92	$1470.94
DR16NAQ		600 VAC	40	R-Rejection4 Type Fuse Block	1	108.23	$1367.72
DR26NAQ			80		1	111.38	$1419.33
DR36NAQ			100		1	113.87	$1470.94
DJ16NAQ		600 VAC	30	J-Fusible Type Disconnect	1	110.68	$1615.46
DJ26NAQ			60		1	110.68	$1770.30
DJ36NAQ			100		1	111.12	$2023.19
DJ46NAQ			200		1	122.36	$3318.66
DJ56NAQ			400		1	124.35	$4041.22

NOTES: 1. Fused disconnects do not include fuses.
2. Consult factory for other configurations.
3. See dimensional information suffix indicated.
4. Fuse clips for 40 & 80 amp switches maximum fuses 30 & 60 amp.

Dimensional Information for Above Oversized Specialty Type N.F. & Fusible Disconnects



For HP rating and lug sizes see Technical Data section.

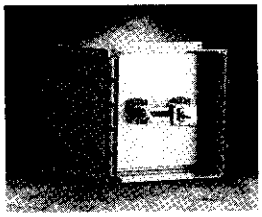
Shaded areas indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable

Price Schedule Code 18

③ LR58077
④ LR58247

Listed
① E63822
② E101914

PN26NLK



NON-FUSIBLE DISCONNECTS 6-POLE(2)

NEMA 4X Opaque Quick Release Cover Part Number	Enclosure Dimensions(3) (Suffix)	Voltage Rating (VAC)	AMP	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
PN16NLK	16x14x6 (A)	① ④	40	1	25.58	$ 601.42
PN26NLK	16x14x6 (A)	① 250/	80	1	26.66	$ 756.32
PN36NLK	16x14x6 (A)	① 600 ③	10	1	22.91	$ 911.28
PN46NAN	40x30x12 (B)	① VAC ③	20	1	67.98	$3619.50
PN56NAN	40x30x12 (B)	② ③	400	1	114.30	$6659.55

NOTES: 3. See dimensional information suffix indicated.

NON-FUSIBLE DISCONNECTS 4-POLE(2)

NEMA 4X Opaque Quick Release Cover Part Number	Enclosure Dimensions(3) (Suffix)	Voltage Rating (VAC)	AMP	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
FN16NLB	6x6x4 (A)	① ④	40	1	8.22	$ 269.98
FN26NLD	8x8x4 (A)	① 250/	80	1	9.79	$ 331.61
FN36NLG	10x10x6 (A)	① 600 ③		1	11.30	$ 437.67
FN46NAJ	30x20x12 (B)	① VAC ③	200	1	50.37	$1659.33
FN56NAM	40x20x12 (B)	② ③	400	1	69.66	$2926.40

ACCESSORIES

HANDLES NEMA 4X (Includes Handle & Shaft) (2)

Part Number	AMP Rating	Standard Carton Quantity	Approx. Carton Weight (lbs)	Price Per (ea.)
ZX102	NF40A, NF80A & NF100A	1	1	$143.69
DB67	NF200A	1	1	$157.16
DB35	NF400A	1	1	$172.13

Renewal Parts for Non-Fusible Disconnects
NON-FUSED DISCONNECTS SWITCH ONLY 250/600 VAC (2)

Part Number	AMP Rating	Standard Carton Quantity	Approx. Carton Weight (lbs)	Price Per (ea.)
NF40A	40	1	.44	$ 85.89
NF80A	80	1	.66	$ 128.83
NF100A	100	1	.99	$ 171.77
NF200A	200	1	6.17	$ 665.63
NF400A	400	1	13.66	$1524.49

Shaded areas indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable

Listed
① E63822
② E101914

③ LR58077
④ LR58247

Price Schedule Code 18

AUXILIARY CONTACTS FOR NON-FUSIBLE DISCONNECTS

AUXILIARY CONTACTS (1 N.O. & 1 N.C.)

(See Notes Below)

Part Number[3]	Disconnect Size	AMP Rating	Voltage (AC)	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea)
ZX49	NF40A	6	250	1	.2	$ 53.88
ZX79	NF80A	6	250	1	.2	$ 53.88
ZX52	NF100A	6	250	1	.2	$ 53.88
XK12	NF200A	10	600	1	.2	$ 86.81
XK1	NF400A	10	600	1	.2	$119.74

AUXILIARY CONTACTS (2 N.O. & 2 N.C.)

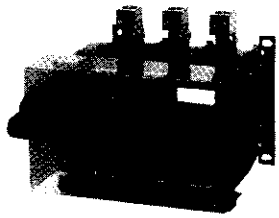
(See Notes Below)

Part Number[3]	Disconnect Size	AMP Rating	Voltage (AC)	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
ZX50	NF40A	6	250	1	.3	$107.77
ZX80	NF80A	6	250	1	.3	$107.77
ZX53	NF100A	6	250	1	.3	$107.77
XK13	NF200A	10	600	1	.3	$155.66
XK2	NF400A	10	600	1	.3	$203.56

NOTES: 1. Replace fifth place in part number with "S" for 1-normally open (N.O.)/1-normally closed (N.C.) contacts.
2. Replace fifth place in part number with "R" for 2-normally open (N.O.)/2-normally closed (N.C.) contacts.

REPLACEMENT PARTS FOR J-FUSIBLE DISCONNECTS

J-FUSIBLE DISCONNECTS SWITCH ONLY – 600 VAC



60 AMP with Pistol Handle

Part Number [3]	AMP Rating	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
CF30JA	30	1	3.53	$ 291.96
F60JA	60	1	3.53	$ 458.01
F100JA	100	1	3.97	$ 622.64
F200JA	200	1	15.21	$1652.41
F400JA	400	1	17.20	$2227.16

AUXILIARY CONTACTS (1 N.O. & 1 N.C.)

(See Notes Below)

Part Number	Disconnect Size	AMP Rating	Voltage (AC)	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
ZX157	CF30JA	6	250	1	.1	$ 47.87
ZXK7	F60JA	6	250	1	.1	$107.77
ZXK7	F100JA	6	250	1	.1	$107.77
ZXK1	F200JA	10	600	1	.1	$119.74
ZXK1	F400JA	10	600	1	.1	$119.74

AUXILIARY CONTACTS (2 N.O. & 2 N.C.)

(See Notes Below)

Part Number	Disconnect Size	AMP Rating	Voltage (AC)	Standard Carton Quantity	Approx. Carton Weight (lbs.)	Price Per (ea.)
Note 4	CF30JA	–	–	–	–	–
ZXK2	F200JA	10	600	1	.1	$203.56
ZXK2	F400JA	10	600	1	.1	$203.56

NOTES: 1. Replace fifth place in part number with "S" for 1-normally open (N.O.)/1-normally closed (N.C.) contacts.
2. Replace fifth place in part number with "R" for 2-normally open (N.O.)/2-normally closed (N.C.) contacts.
3. Refer to price sheet for factory installed auxiliary contacts.
4. Consult customer service if more than 1 N.O. & 1 N.C. auxiliary contacts are needed.

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Price Schedule Code 18

Listed E54381

ASSEMBLED NEMA 4X PUSHBUTTON STATIONS

22MM Pushbuttons Included

Part Number*	Description of 22mm Assembled Pushbutton Stations	Enclosure Type	Standard Carton Quantity	Approx. Carton Wt. (lbs.)	Price Per (ea.)
PA1W	Start (N.O. Momentary Contacts) Flush Engraved Cap	PX0010	1	1	$158.21
PB1W	Stop (N.C. Momentary Contacts) Extended Engraved Cap	PX0010	1	1	$158.21
PC1W	Mushroom Stop (60mm) (N.C. Momentary Contacts) 70mm AL. Name Plate "Emergency Stop"	PX0010	1	1.25	$218.98
PD1W	Mushroom Push-Pull To Reset (N.C. Momentary Contacts) 70mm AL. Name Plate "Emergency Stop"	PX0010	1	1.25	$234.85
KE1W	Key Operated Selector Switch (2-Position N.O./N.C. Contacts) Maintained W/Key Removed in any position, AL. Name Plate "On-Off"	PX0010	1	1.5	$310.33
KF1W	Same as KE1W w/AL. Name Plate "Hand-Auto"	PX0010	1	1.5	$322.04
PG2W	Stop/Start (Stop/N.C., Start/N.O. Momentary Contacts) Engraved Extended Stop & Flush Start Caps	PX0007	1	1.5	$258.46
PH2W	Forward/Reverse (Both N.O. Momentary Contacts), Engraved Cap	PX0007	1	1.5	$258.30
PI2W	Illuminated Stop & Start (Stop N.C./Start N.O. Momentary Contacts) Illuminated Stop 115VAC with Engraved Caps	PX0007	1	1.65	$409.33
PJ3W	Forward/Stop/Reverse (Stop N.C. FWD. & REV. N.O. Momentary Contacts) Engraved Cap	PX0011	1	1.75	$363.62
PK3W	Up/Stop/Down (Stop N.C. Up & Down N.O. Momentary Contacts), Engraved Cap	PX0011	1	1.75	$363.62
PL3W	Open/Stop/Close (Stop N.C. Open & Close N.O. Momentary Contacts), Engraved Cap	PX0011	1	1.75	$363.62
NOCW	Normally Open Contact for Pushbuttons	–	1	.1	$ 25.59
NCCW	Normally Closed Contacts for Pushbuttons	–	1	.1	$ 25.59

*Consult customer service for other configurations.

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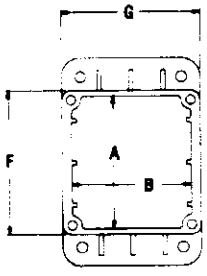
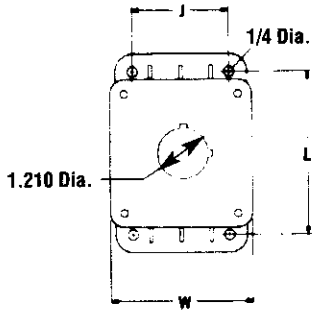
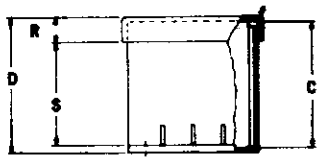






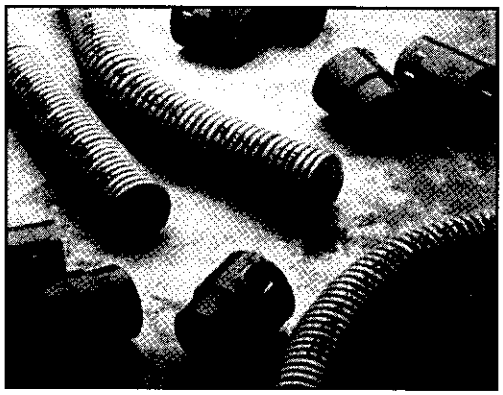
22 MM PUSHBUTTON ENCLOSURES*†

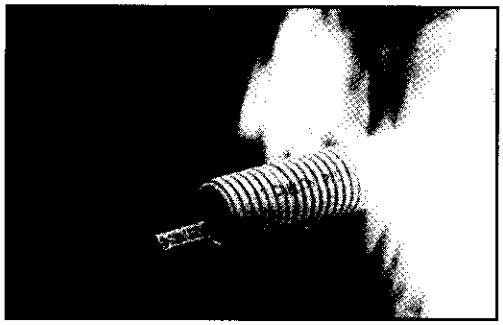
Part Numbers	Style	Inside Box Size A x B x C	Mounting L x J	Overall Outside Including Mounting Bracket H x W x D	F	G	R	S	Pieces/ Package	Weight (lbs.)/Unit	Price Per (ea.)
PX0010	One Opening	3.13 x 2.81 x 3	4 x 2.38	4.88 x 3.50 x 3.38	3.38	3.25	.63	2.5	10	8.26	$32.36
PX0007	Two Openings	5.38 x 2.81 x 3	6.25 x 2.38	7.13 x 3.50 x 3.38	5.63	3.25	.63	2.5	1	1.31	$34.29
PX0011	Three Openings	7.38 x 2.81 x 3	8.50 x 2.38	9.38 x 3.50 x 3.38	7.88	3.25	.63	2.5	6	9.43	$37.90
PX0008	Four Openings	7.38 x 2.81 x 3	8.50 x 2.38	9.38 x 3.50 x 3.38	7.88	3.25	.63	2.5	1	1.6	$39.10

* All Circuit Safe pushbutton enclosures are furnished with standard hole dimensions: 1 7/32" diameter with keyways at 12 o'clock and 3 o'clock.
† Dimensions are in inches unless marked otherwise. Operators not included.

Carlon®
LAMSON & SESSIONS

FLEXIBLE COMMUNICATION RACEWAYS





PLENUM-GARD®
RISER-GARD®
ACCESSORIES

FEATURES:

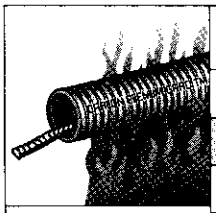
- NONCORROSIVE
- LIGHTWEIGHT
- NONCONDUCTIVE
- FLEXIBLE
- EASY TO INSTALL

1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 55

Listed
E151168

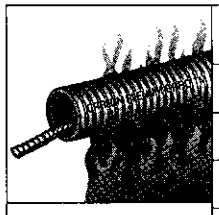
STANDARD LENGTH REELS



Part No.	Description	Reel Size F x W	Reel Type	Reel Length	Prod. Wt./ Reel	Reel Wt.	List Price Per Hundred (ft.)
CE4X1-1000	3/4" Plenum-Gard Orange Empty	36" x 24"	W	1000	75	35	$297.76
CE4X1-1000S	3/4" Plenum-Gard Orange Split Empty	36" x 24"	W	1000	75	35	$297.76
CF4X1C-500	1" Plenum-Gard Orange w/Tape	36" x 24"	W	500	91	35	$393.27
CF4X1C-1000	1" Plenum-Gard Orange w/Tape	48" x 30"	W	1000	162	90	$393.27
CF4X1C-1500	1" Plenum-Gard Orange w/Tape	48" x 30"	W	1500	243	90	$393.27
CF4X1C-5200	1" Plenum-Gard Orange w/Tape	65" x 48"	W	5200	915	385	$393.27
CF4X1-1500S	1" Plenum-Gard Orange Split Empty	48" x 30"	W	1500	153	90	$393.27
CG4X1C-500	1 1/4" Plenum-Gard Orange w/Tape	36" x 24"	W	500	110	35	$495.53
CG4X1C-900	1 1/4" Plenum-Gard Orange w/Tape	48" x 30"	W	900	213	90	$495.53
CG4X1-900S	1 1/4" Plenum-Gard Orange Split Empty	48" x 30"	W	900	123	90	$495.53
CG4X1C-1600	1 1/4" Plenum-Gard Orange w/Tape	48" x 48"	W	1600	219	105	$495.53
CG4X1C-3200	1 1/4" Plenum-Gard Orange w/Tape	65" x 48"	W	3200	438	385	$495.53
CH4X1C-350	1 1/2" Plenum-Gard Orange w/Tape	36" x 24"	W	350	57	35	$585.44
CH4X1C-1200	1 1/2" Plenum-Gard Orange w/Tape	48" x 48"	W	1200	196	105	$585.44
CJ4X1C-225	2" Plenum-Gard Orange w/Tape	36" x 24"	W	225	46	35	$769.69
CJ4X1C-700	2" Plenum-Gard Orange w/Tape	48" x 48"	W	700	144	105	$769.69

W = Wood
S = Steel

STANDARD LENGTH COILS



Part No.	Description	Coil Length (ft.)	Prod. Wt./ Coil	List Price Per Hundred (ft.)
CE4X1-350*	3/4" Plenum-Gard Orange Empty	350	26	$297.76
CE4X1-350S*	3/4" Plenum-Gard Orange Split Empty	350	26	$297.76
CF4X1C-100	1" Plenum-Gard Orange w/Tape	100	10	$393.27
CF4X1C-250*	1" Plenum-Gard Orange w/Tape	250	31	$393.27
CF4X1-250S*	1" Plenum-Gard Orange Split Empty	250	25	$393.27
CG4X1C-200*	1 1/4" Plenum-Gard Orange w/Tape	200	40	$495.53
CG4X1-200S*	1 1/4" Plenum-Gard Orange Split Empty	200	27	$495.53
CH4X1C-150*	1 1/2" Plenum-Gard Orange w/Tape	150	24	$585.44
CH4X1-150S*	1 1/2" Plenum-Gard Orange Split Empty	150	24	$585.44
CJ4X1C-100*	2" Plenum-Gard Orange w/Tape	100	21	$769.69
CJ4X1-100S*	2" Plenum-Gard Orange Split Empty	100	21	$769.69

*overnight shippable

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

PRODUCT SPECIFICATIONS

Size	Nom. I.D.	Nom. O.D.	Pull Tape	Min. Bend Radius	Max Flame Rating	Storage	Handling	Wt./C ft. (lbs.)
3/4"	.83"	1.04"	Empty	2"	UL 910	-4°F – 158°F	-4°F – 104°F	8
1"	1.05"	1.31"	900lb	3"	UL 910	-4°F – 158°F	-4°F – 104°F	10
1 1/4"	1.38"	1.65"	900lb	3"	UL 910	-4°F – 158°F	-4°F – 104°F	16
1 1/2"	1.55"	1.88"	900lb	4"	UL 910	-4°F – 158°F	-4°F – 104°F	20
2"	2.04"	2.35"	900lb	4"	UL 910	-4°F – 158°F	-4°F – 104°F	23

PLENUM-GARD PART NUMBER SYSTEM

Product	Size	Configuration	Wall	Color	Pull Line	Length
C = Plenum-Gard	E = 3/4"	4 = Corrugated	X = Standard	1 = Orange	C = 900 lb. Pull Tape	Example: -1000 = 1000 Feet
	F = 1"			4 = White		-1000S = 1000 Feet Split
	G = 1 1/4"					
	H = 1 1/2"					
	J = 2"					

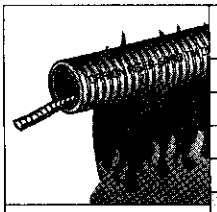
Note: Custom runs available in minimum order quantities of 1000 feet. Custom orders are NOT returnable.

- **For use per Articles 770 and 800 of the NEC**
- **UL Listed to UL910**
- **Outside Diameters meet IPS dimensions**
- **Available in standard or split configurations**

Price Schedule Code 50

Listed
E151168

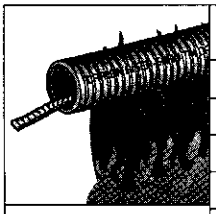
STANDARD LENGTH REELS



Part No.	Description	Reel Size F x W	Reel Type	Prod. Reel Length	Prod. Wt./Reel	Reel Weight	List Price Per Hundred (ft.)
DE4X1-1000	3/4" Riser-Gard Orange Empty	36" x 24"	W	1000	114	35	$ 81.65
DE4X1-1000S	3/4" Riser-Gard Orange Split Empty	36" x 24"	W	1000	114	35	$ 81.65
DF4X1C-500R	1" Riser-Gard Orange w/Tape	48" x 32"	W	500	73	70	$117.29
DF4X1C-1000	1" Riser-Gard Orange w/Tape	48" x 32"	W	1000	145	35	$117.29
DF4X1-1500	1" Riser Gard Orange	48" x 32"	W	1500	217	90	$117.29
DF4X1C-1500	1" Riser-Gard Orange w/Tape	48" x 32"	W	1500	217	90	$117.29
DF4X1C-2700	1" Riser-Gard Orange w/Tape	48" x 48"	W	2700	392	105	$117.29
DF4X1C-5200	1" Riser-Gard Orange w/Tape	65" x 46"	W	5200	754	385	$117.29
DF4X1C-7000	1" Riser-Gard Orange w/Tape	72" x 44"	S	7000	1015	98	$117.29
DF4X1C-9400	1" Riser-Gard Orange w/Tape	84" x 44"	S	9400	1363	134	$117.29
DF4X1-1500S	1" Riser-Gard Orange Split Empty	48" x 30"	W	1500	217	90	$117.29
DG4X1C-500R	1-1/4" Riser-Gard Orange w/Tape	48" x 32"	W	500	86	70	$131.33
DG4X1C-900	1-1/4" Riser-Gard Orange w/Tape	48" x 30"	W	900	155	90	$131.33
DG4X1-900	1-1/4" Riser-Gard Orange	48" x 30"	W	900	155	90	$131.33
DG4X1-900S	1-1/4" Riser-Gard Orange Split Empty	48" x 30"	W	900	155	90	$131.33
DG4X1C-1600	1-1/4" Riser-Gard Orange w/Tape	48" x 48"	W	1600	275	105	$131.33
DG4X1C-3200	1-1/4" Riser-Gard Orange w/Tape	65" x 48"	W	3200	550	385	$131.33
DG4X1C-4500	1-1/4" Riser-Gard Orange w/Tape	72" x 44"	S	4500	774	98	$131.33
DG4X1C-5600	1-1/4" Riser-Gard Orange w/Tape	84" x 44"	S	5600	963	134	$131.33
DH4X1C-1200	1-1/2" Riser-Gard Orange w/Tape	48" x 48"	W	1200	264	105	$161.14
DH4X1C-4500	1-1/2" Riser-Gard Orange w/Tape	84" x 44"	S	4500	990	134	$161.14
DH4X1-750S	1-1/2" Riser-Gard Orange Split Empty	48" x 30"	W	750	165	90	$161.14
DJ4X1C-700	2" Riser-Gard Orange w/Tape	48" x 48"	W	700	186	105	$217.84
DJ4X1C-2800	2" Riser-Gard Orange w/Tape	96" x 44"	S	2800	742	146	$217.84
DJ4X1-500S	2" Riser-Gard Split Empty	48" x 30"	W	500	133	90	$217.84

W = Wood
S = Steel

STANDARD LENGTH COILS



Part No.	Description	Coil Length	Prod. Wt. Coil	List Price Per Hundred (ft.)
DE4X1-350*	3/4" Riser-Gard Orange Empty	350	40	$ 81.65
DE4X1-350S*	3/4" Riser-Gard Orange Split Empty	350	40	$ 81.65
DF4X1-250*	1" Riser-Gard Orange Empty	250	36	$117.29
DF4X1C-250*	1" Riser-Gard Orange w/Tape	250	46	$117.29
DF4X1C-500	1" Riser-Gard Orange w/Tape	500	86	$117.29
DF4X1-250S*	1" Riser-Gard Orange Split Empty	250	36	$117.29
DG4X1-200	1 1/4" Riser-Gard Orange Empty	200	34	$131.33
DG4X1C-200*	1 1/4" Riser-Gard Orange w/Tape	200	44	$131.33
DG4X1C-500	1 1/4" Riser-Gard Orange w/Tape	500	92	$131.33
DG4X1-200S*	1 1/4" Riser-Gard Orange Split Empty	200	34	$131.33
DH4X1C-150*	1 1/2" Riser-Gard Orange w/Tape	150	33	$161.14
DH4X1-150S*	1 1/2" Riser-Gard Orange Split Empty	150	33	$161.14
DJ4X1C-100*	2" Riser-Gard Orange w/Tape	100	26	$217.84
DJ4X1-100S*	2" Riser-Gard Orange Split Empty	100	26	$217.84

*overnight shippable.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

PRODUCT SPECIFICATIONS

Size	Nom. I.D.	Nom. O.D.	Pull Tape	Min. Bend Radius	Max Flame Rating	Storage	Handling	Wt./ 100 ft. (lbs.)
3/4"	.83"	1.05"	Empty	6"	UL 1666	-4°F – 158°F	-4°F – 104°F	9
1"	1.03"	1.315"	900lb	6"	UL 1666	-4°F – 158°F	-4°F – 104°F	14
1 1/4"	1.38"	1.66"	900lb	7"	UL 1666	-4°F – 158°F	-4°F – 104°F	17
1 1/2"	1.57"	1.90"	900lb	8 1/4"	UL 1666	-4°F – 158°F	-4°F – 104°F	22
2"	2.02"	2.375"	900lb	9 1/2"	UL 1666	-4°F – 158°F	-4°F – 104°F	26

RISER-GARD PART NUMBER SYSTEM

Product	Size	Configuration	Wall	Color	Pull Line	Length
D = Riser-Gard	E = 3/4"	4 = Corrugated	X = Standard	1 = Orange	C = 900 lb. Pull Tape	Example: -1000 = 1000 Feet
	F = 1"			3 = Gray		-1000S = 1000 Feet Split
	G = 1 1/4"			4 = White		
	H = 1 1/2"			7 = Yellow		
	J = 2"					

Note: Custom runs available in minimum order quantities of 1000 feet. Custom orders are NOT returnable.

1 1/2" through 2" sizes of Riser Gard / Optic Gard are suitable for direct burial and plowing applications.

Riser-Gard sizes 3/4" – 1" are acceptable for FT4 applications.

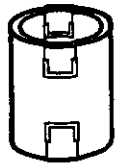
- **For use per Articles 770 and 800 of the NEC**
- **UL Listed to UL1666**
- **Outside Diameters meet IPS dimensions**
- **Available in standard or split configurations**

NONMETALLIC COUPLINGS AND ADAPTERS

Listed E86720 LR92248
Except where noted by a ◀

Price Schedule Code 15 Except where noted

Item	Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Bkn. Ctn. Price (Hu.)	Full Ctn. Price (Hu.)
Quick-Connect Couplings	A240D*	1/2"	150	2.90	$ 80.22	$ 69.76
	A240E*	3/4"	100	3.00	$105.01	$ 91.31
	A240F*	1"	50	2.30	$184.40	$160.35
	A340F† ◀ ✣	1"	50	2.5	$345.00	$300.00



*For use with Riser-Gard® and Flex-Plus® Blue™ ENT
† Specifically approved for use with Plenum-Gard®
✣ **Price Schedule Code 55**

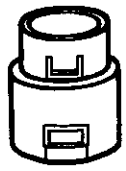
Price Schedule Code 15 Except where noted

Item	Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Bkn. Ctn. Price (Hu.)	Full Ctn. Price (Hu.)
Quick-Connect Threaded Adapters	A243D*	1/2"	150	2.55	$112.30	$ 97.65
	A243E*	3/4"	100	2.30	$217.32	$188.97
	A243F*	1"	50	2.00	$327.15	$284.48
	A343F† ◀ ✣	1"	50	1.55	$345.00	$300.00

*For use with Riser-Gard® and Flex-Plus® Blue™ ENT
† Specifically approved for use with Plenum-Gard®
✣ **Price Schedule Code 55**

Price Schedule Code 15 Except where noted

Item	Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Bkn. Ctn. Price (Hu.)	Full Ctn. Price (Hu.)
Quick-Connect Snap-In Adapters	A253D*	1/2"	150	2.7	$ 72.92	$ 63.41
	A253E*	3/4"	100	2.90	$134.18	$116.68
	A253F*	1"	50	2.30	$215.63	$187.50
	A353F† ◀ ✣	1"	50	3	$345.00	$300.00



*For use with Riser-Gard® and Flex-Plus® Blue™ ENT
† Specifically approved for use with Plenum-Gard®
✣ **Price Schedule Code 55**

Listed E32447 LR33856

Price Schedule Code 01

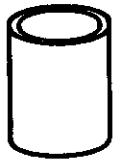
Item	Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Qty.	Broken Carton Price (Hu.)	Full Carton Price (Hu.)
Male Terminal Adapter	E943D	1/2"	150	2.8	$ 50.55	$ 43.96
	E943E	3/4"	125	3.5	$ 93.68	$ 81.46
	E943F	1"	50	3	$ 117.48	$102.16
	E943G	1 1/4"	50	3	$ 148.71	$129.31
	E943H	1 1/2"	25	2.5	$ 182.92	$159.06
	E943J	2"	50	6.8	$ 263.21	$228.88
	E943L-CAR	3"	5	1.8	$ 670.22	$582.80
	E943N-CAR	4"	5	4.6	$1153.57	$1003.10

For use with Riser-Gard™, P&C Flex, and Flex-Plus® Blue™ ENT

Listed E32447 LR33856 †

Price Schedule Code 01

Item	Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Carton Price (Hu.)	Full Carton Price (Hu.)
Schedule 40 Nonmetallic Couplings	E940D †	1/2"	150	4.1	$ 40.15	$ 34.91
	E940E †	3/4"	100	4.4	$ 49.07	$ 42.67
	E940F †	1"	50	3.5	$ 75.84	$ 65.95
	E940G	1 1/4"	30	3.5	$101.12	$ 87.93
	E940H	1 1/2"	25	3.9	$141.27	$122.84
	E940J	2"	30	5.2	$184.40	$160.35
	E940L-CAR	3"	5	2.8	$537.42	$467.32
	E940N-CAR	4"	5	4.2	$829.29	$721.12



For use with Riser-Gard™, P&C Flex, and Flex-Plus® Blue™ ENT. † Add "C" prefix for Canadian Nonmetallic Couplings.

METALLIC COUPLINGS AND ADAPTERS

Price Schedule Code 63

Item	Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt.(lbs.)	Broken Carton Price (Hu.)	Full Carton Price (Hu.)
Metallic Terminal Adapter	E147E	3/4"	1	.7	$1150.71	$1000.62
	E147F	1"	25	1.5	$1952.48	$1697.81
	E147G	1 1/4"	5	2.6	$3059.41	$2660.36
	E147H	1 1/2"	1	.6	$6232.15	$5419.26
	E147J	2"	10	11.3	$8741.20	$7601.04

For use with Plenum-Gard®, Optic-Gard® PE™ Corrugated, and Optic-Gard® PE™ Solid Wall

Price Schedule Code 63

Item	Part No.	Size	Duct O.D. Range	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Carton Price (Hu.)	Full Carton Price (Hu.)
Threaded Aluminum Couplings	E142ET	3/4"	0.91" – 1.08"	1	.13	$2035.33	$1769.85
	E142FT	1"	1.23" – 1.34"	30	4	$3237.95	$2815.61
	E142GT	1 1/4"	1.53" – 1.71"	25	6	$2505.24	$2178.47
	E142HT	1 1/2"	1.80" – 2.01"	15	6	$4826.23	$4196.72
	E142JT	2"	2.31" – 2.51"	10	5	$4927.64	$4284.90

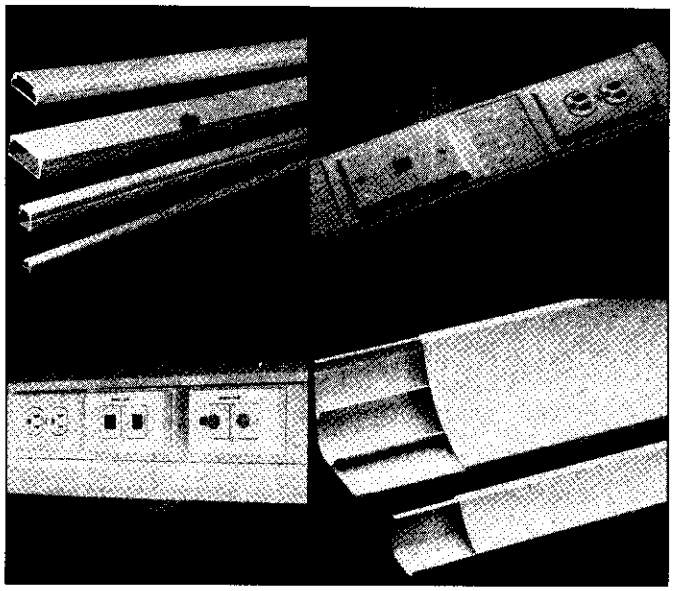
For use with Optic-Gard® PE™ Solid Wall, Optic-Gard® PE™ Corrugated, and Plenum-Gard®.
(Also couples all the above to Riser-Gard®)

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Carlon®
LAMSON & SESSIONS

SURFACE RACEWAY SYSTEMS – NONMETALLIC

Refer to Brochure 2B39



SINGLE CHANNEL RACEWAY SERIES 10, 30 & 80
CARLON® PREMIER™ MULTI-CHANNEL RACEWAY SERIES 500
CARLON® PRESTIGE™ MULTI-CHANNEL RACEWAY SERIES 120,130,140, 160,170,190
COVE MOLDING RACEWAY

FEATURES:

- NONCONDUCTIVE
- CORROSION RESISTANT
- EASY TO INSTALL
- LIGHTWEIGHT
- CONVENIENT 10′ LENGTHS
- PAINTABLE
- UL AND C-UL LISTED
- EXPANDABLE
- SINGLE CHANNEL ADAPTS TO MULTI-CHANNEL

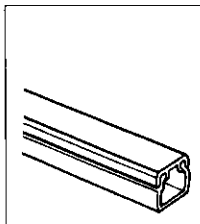
1. Carlon reserves the right to round orders to the nearest package quantity.
2. Prices subject to change without notice.
3. Shaded items indicate non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 10

c UL us Listed E140971 E140972 where noted by ►

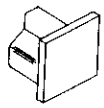
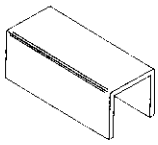
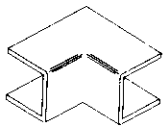
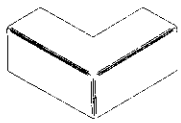
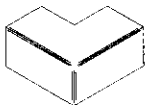
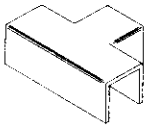
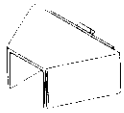
RACEWAY

Nominal Dimensions – ⅝" x ⅝"
Actual Dimensions – 16 x 16 mm



Part Number		Description	Length (ft.)	Standard Carton Qty. (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
White	Ivory					
► RWM1-010	►RVM1-010	Raceway with Cover	10	100	10.75	$ 87.12
► RWM1-005	►RVM1-005	Raceway with Cover	5	50	6.0	$ 87.12
► RWMA1-010	►RVMA1-010	Adhesive Backed Raceway w/Cover	10	100	14.1	$ 95.12
► RWMA1-005	►RVMA1-005	Adhesive Backed Raceway w/Cover	5	50	7	$ 95.12

FITTINGS

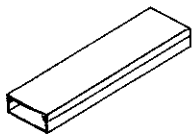
	Part Number		Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	White	Ivory						
	► RWES1	► RVES1	End Stop	20	80	.16	$ 35.67	$ 31.02
	RWCP1	RVCP1	Coupling	20	80	.4	$ 45.93	$ 39.94
	RWEI1	RVEI1	Elbow Internal	20	80	.38	$178.86	$155.53
	RWEE1	RVEE1	Elbow External	20	80	.56	$178.86	$155.53
	RWEF1	RVEF1	Elbow Flat	20	80	.4	$175.09	$152.25
	RWT1	RVT1	Tee Flat	20	80	.52	$226.60	$197.04
	►RWA1	►RVA1	Snap-In Box Adapter	25	100	.375	$ 35.67	$ 31.02

c UL us Listed E140971 E140972 where noted by ►

Price Schedule Code 10

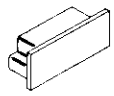
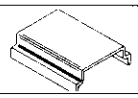
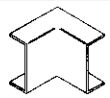
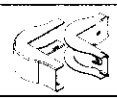
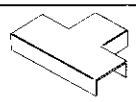
RACEWAY

Nominal Dimensions – 1⅝" x ⅝"
Actual Dimensions – 40 x 16 mm



Part Number		Description	Length (ft.)	Standard Carton Qty. (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
White	Ivory					
► RWM3-010	►RVM3-010	Raceway with Cover	10	100	18.8	$178.80
► RWM3-005	►RVM3-005	Raceway with Cover	5	50	9.6	$178.80
► RWMA3-010	►RVMA3-010	Adhesive Backed Raceway w/Cover	10	100	21.5	$199.19
►RWMA3-005	►RVMA3-005	Adhesive Backed	5	50	6	$199.19

FITTINGS

	Part Number		Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	White	Ivory						
	►RWES3	► RVES3	End Stop	40	80	.56	$ 64.65	$ 56.22
	RWCP3	RVCP3	Coupling	10	40	.22	$ 57.42	$ 49.93
	RWCP3E	RVCP3E	External Coupling	20		.4	$629.02	$546.97
	RWEI3	RVEI3	Elbow Internal	5	20	.27	$228.14	$198.38
	► RWEI3D	►RVEI3D	Elbow Internal (1" Bend Radius Cat. 5 Ready)	10	200	.55	$249.37	$216.84
	RWEE3	RVEE3	Elbow External	5	20	.34	$260.43	$226.46
	►RWEE3D	►RVEE3D	Elbow Internal (1" Bend Radius Cat. 5 Ready)	10	100	.69	$260.99	$226.95
	RWEF3	RVEF3	Elbow Flat	5	20	.32	$228.41	$198.62
	► RWEF3D	►RVEF3D	Elbow Internal (1" Bend Radius Cat. 5 Ready)	10	200	.65	$240.32	$208.97
	RWT3	RVT3	Tee Flat	5	20	.275	$266.71	$231.92
	►RWT3D	► RVT3D	Tee Flat (1" Bend Radius Cat. 5 Ready)	10	120	.86	$290.71	$252.79
	►RWA3	►RVA3	Snap-In Box Adapter	25	100	.5	$64.65	$56.22

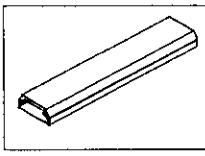
Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 10

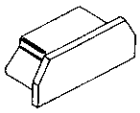
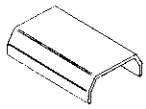
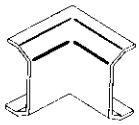
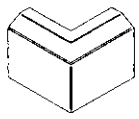
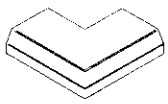
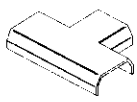
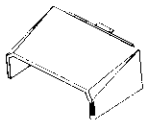
c UL us where noted by ►
Listed
E140971
E140972

RACEWAY

Nominal Dimensions – 1¼" x ½"
Actual Dimensions – 32 x 12.5 mm

	Part Number						
	White	Ivory	Description	Length (ft.)	Standard Carton Qty. (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
	►RWM8-010	►RVM8-010	Raceway with Cover	10	100	15.3	$139.91
	►RWM8-005	►RVM8-005	Raceway with Cover	5	50	8.1	$139.91

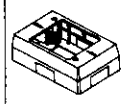
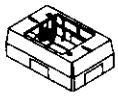
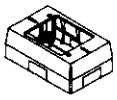
FITTINGS

	Part Number							
	White	Ivory	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	►RWES8	►RVES8	End Stop	20	80	.22	$ 50.39	$ 43.82
	RWCP8	RVCP8	Coupling	20	80	.46	$175.09	$152.25
	RWEI8	RVEI8	Elbow Internal	20	80	.52	$187.75	$163.26
	RWEE8	RVEE8	Elbow External	20	80	.52	$187.32	$162.89
	RWEF8	RVEF8	Elbow Flat	20	80	.66	$187.32	$162.89
	RWTF8	RVTF8	Tee Flat	10	40	.48	$236.84	$205.95
	►RWA8	►RVA8	Snap-In Box Adapter	25	100	.375	$ 50.39	$ 43.82

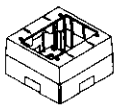
Price Schedule Code 10

c UL us Listed E140971 — UL Listed E140971 — where noted by ▶

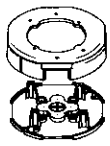
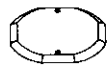
SINGLE GANG WALL BOXES

	Part Number White	Part Number Ivory	Vol. Cu. In.	Description	Dimensions L" x W" x D"	Std. Ctn. Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	RWWB17	RVWB17	16.5	Shallow Depth	4⅞" x 3⅛" x 1½"	5	50	1.45	$563.83	$490.29
	RWWB19	RVWB19	18.3	Medium Depth	4⅞" x 3⅛" x 1⅝"	5	50	1.5	$637.48	$554.33
	RWWB22	RVWB22	21.4	Deep Depth	4⅞" x 3⅛" x 1⅞"	5	50	1.65	$1039.30	$903.74

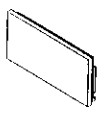
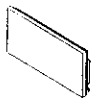
DOUBLE GANG WALL BOX

	Part Number White	Part Number Ivory	Vol. Cu. In.	Description	Dimensions L" x W" x D"	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	RWWB53	RVWB53	52.7	Deep Depth	4⅞" x 4⅞" x 2⅛" Deep	4	20	2.5	$1397.01	$1214.79

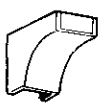
CIRCULAR FIXTURE BOX

	Part Number White	Part Number Ivory	Vol. Cu. In.	Description	Dimensions	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	▶RWB50	▶RVB50	17.5	Base and Lid	5½" Diam. x 1⅛" Deep	8	40	3.08	$1175.82	$1022.45
	▶RWC50	▶RVC50	2.6	Cover	4¾" Diam. x ¼" Deep	20	–	1.97	$ 659.82	$573.76

BOX BLANKS

	Part Number White	Part Number Ivory	Description	Dimensions	Std. Carton Qty	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	RWBB1	RVBB1	Device Box Blanks	1⁵⁄₁₆" x 1¹⁄₁₆"	20	80	.16	$44.70	$38.87
	RWBB2	RVBB2	Fixture Box Blanks	1⁵⁄₁₆" x 1¹⁄₁₆"	20	80	.14	$54.38	$47.29

ADAPTER

	Part Number White	Part Number Ivory	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	RWAC	RVAC	SC Single Channel Conduit Adapter Single Channel to Cove	4	40	.06	$894.04	$777.43

SPECIFICATION FOR SINGLE CHANNEL SURFACE RACEWAY SYSTEMS

Carlon® Surface Raceway Systems shall be manufactured from a polyvinyl chloride (PVC) white or ivory which complies with UL 94 V-O requirements.

RACEWAY

- The Carlon Surface Raceway Systems shall be manufactured as a two-piece system consisting of a base and a snap on cover.
- The Carlon Surface Raceway Systems shall provide protection for power, low voltage, data or communication wiring.
- The Carlon Surface Raceway Systems shall be UL listed for electrical wiring up to 600 volts and comply with Underwriters Laboratories, Inc. (UL5A).
- The Carlon Surface Raceway Systems shall be recognized by the National Electrical Code, Article 352-B, for Nonmetallic Surface Raceway Systems.
- The Raceway Cover shall be removable from the base.
- Series 10 cross sectional area of 0.239 sq. in.
  Series 30 cross sectional area of 0.711 sq. in.
  Series 80 cross sectional area of 0.363 sq. in.
- Base and Cover shall be painted if desired.

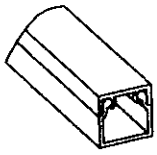
BOXES

- Boxes shall consist of a base and lid.
- Box bases shall be capable of being utilized as a starter box or outlet box.
- Box bases shall have a minimum capacity of 10 cubic inches and holes for mounting.
- Box adapters and box blanks shall have the capability of snapping into box bases.

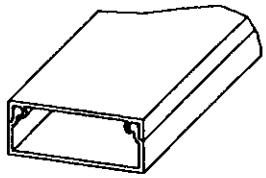
FITTINGS

- Elbows, tees, couplings shall have catches molded in for secure fit to system.
- The manufacturer shall offer all the fittings required to form a complete integrated Surface Raceway System.
- Box lids shall snap into base for ease of installation.
- Box lids shall be capable of being interchanged for future cubic inch requirements.
- Ceiling boxes shall be manufactured of a high heat engineered composite material.
- Ceiling boxes shall have ½" knock-out in base and capability of utilizing a no bolt fixture stud.

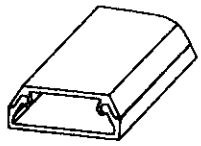
Carlon® Single Channel Surface Raceway



SERIES 10



SERIES 30



SERIES 80

SINGLE CHANNEL WIREFILL CAPACITIES				RWMA1-XXX RWM1-XXX RVM1-XXX SERIES 10 CSA=.239 SQ IN	RWMA3-XXX RWM3-XXX RVM3-XXX SERIES 30 CSA=.711 SQ IN	RWM8 RVM8 SERIES 80 CSA=.363 SQ IN
COAX CABLES	RG6/U	DIA=.270 IN	40% FILL	1	4	2
			60% FILL	--	7	--
	RG11/U	DIA=.405 IN	40% FILL	0	2	1
			60% FILL	--	3	--
	RG58/U	DIA=.193 IN	40% FILL	3	9	4
			60% FILL	--	14	--
	RG59/U	DIA=.242 IN	40% FILL	2	6	3
			60% FILL	--	9	--
	RG62A/U	DIA=.242 IN	40% FILL	2	6	3
			60% FILL	--	9	--
LAN CABLES	CAT5, 4pr UNSHIELDED		40% FILL	1	5	2
			60% FILL	--	8	--
FIBER OPTIC CABLES 62.5i IN. [125 MM]	2 STRAND	DIA=.175 IN	40% FILL	3	11	6
			60% FILL	--	17	--
	4 STRAND	DIA=.175 IN	40% FILL	3	11	6
			60% FILL	--	17	--
	6 STRAND	DIA=.210 IN	40% FILL	2	8	4
			60% FILL	--	12	--
SIGNAL CABLES	18 AWG	DIA=.066 IN	40% FILL	27	83	42
			60% FILL	--	124	--
	20 AWG	DIA=.057 IN	40% FILL	37	111	56
			60% FILL	--	167	--
	22 AWG	DIA=.050 IN	40% FILL	48	144	73
			60% FILL	--	217	--
	24 AWG	DIA=.044 IN	40% FILL	62	187	95
			60% FILL	--	280	--
POWER (THHN)	10 AWG	DIA=.164 IN	DETERMINED BY UL TESTING	4	13	6
	12 AWG	DIA=.13 IN		5	15	11
	14 AWG	DIA=.111 IN		6	15	12

THE ABOVE QUANTITIES REPRESENT THE AVERAGE DIAMETERS SPECIFIED.

TO CALCULATE THE NUMBER OF CONDUCTORS FOR A CABLE DIAMETER NOT SPECIFIED, USE THE FOLLOWING EQUATION:

$$\text{CONDUCTOR QUANTITY} = \frac{(\text{RACEWAY CROSS SECTIONAL AREA}) * (\text{PERCENTAGE OF FILL})}{(0.7854) * (\text{CABLE DIAMETER})^2}$$

EXAMPLE:
SERIES 80: RACEWAY CROSS SECTIONAL AREA =0.363
PERCENTAGE OF FILL =0.4
CABLE DIAMETER =0.250

$$\text{CONDUCTOR QUANTITY} = \frac{(0.363) * (0.4)}{(0.7854) * (0.250)^2}$$

CONDUCTOR QUANTITY = 4.82
CONDUCTOR QUANTITY = 4

Price Schedule Code 10

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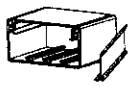
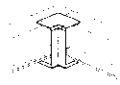
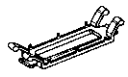
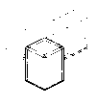
RACEWAY AND DIVIDERS

	Part Number	Description	Length (ft.)	Standard Carton Qty. (ft.)	Std. Carton Weight (lbs.)	Price Per Hundred (ft.)
	5RWMB-010	Raceway with Cover and Divider	10	20	22	$831.25
	5RWDT-010	Cable Divider	10	100	12	$154.36

Nominal Dimensions – (Raceway Base) 4" x 2" **Actual Dimensions – (Raceway Base) 100 mm x 50 mm**
(Cover) 3⅘" x 1/12" **(Cover) 85.6 mm x 2.03 mm**

FITTINGS

	Part Number	Description	Standard Carton Qty.	Master Carton Qty.	Std.Carton Weight (lbs.)	Price Per Hundred
	5RWEID	Elbow Internal 1¼" Bend Radius	1	6	.3	$1111.95
	5RWEC	End Cap	10	100	.74	$589.07
	5RWCSF	Joint Cover	4	60	.279	$272.72
	5RRF	Cable Retainers	15	225	.225	$136.36
	2RWDYBB	Box Base	2	8	.312	$866.10
	5RWA	Single Channel Adapter	10	400	.07	$152.93
	5RWEFD	Elbow Flat 1¼" Bend Radius	1	4	.5	$1724.10
	5RWEED	Elbow External 1¼" Bend Radius	1	4	.4	$1111.95
	5RWTD	Flat Tee 1¼" Bend Radius	1	8	.5	$2069.55

Carlon® Premier™ Multi-Channel Raceway is available in white only.

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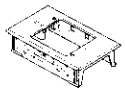
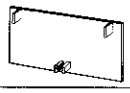
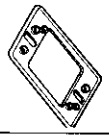
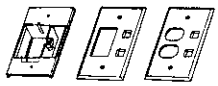
Price Schedule Code 10

	Part Number	Description	Std. Carton Qty.	Master Carton Qty.	Carton Weight (lbs.)	Price Per Hundred
	2RWDY	Device Yoke	2	20	.55	$1371.43
	5RWDS	Underbox Cable Divider	10	450	.17	$218.17
	5RWWBCP	Internal Coupling	8	120	.256	$245.47
	5RWICP	Internal Corner Plate	8	120	.32	$594.41
	2RWTLA	Transition Lid Adapter	5	20	.375	$440.95
	2RWDDK	Dual Device Kit	1	10	.4	$1483.02

SPECIFICATIONS FOR CARLON® PREMIER™ MULTI-CHANNEL SURFACE RACEWAY SYSTEMS

RACEWAY

- The Surface Raceway systems shall be Carlon® Premier™ Multi-Channel.
- The Carlon Premier Surface Raceway Systems shall provide protection for power, low voltage, data and communications wiring in a 1 channel configuration with available dividers in adapt raceway into 4 channels.
- The Carlon Premier Surface Raceway shall be fully compatible with the Carlon Single Channel Surface Raceway System.
- The Carlon Premier Surface Raceway shall be recognized by the National Electrical Code, Article 352-B, for Surface Nonmetallic Raceway.
- The Carlon Premier Surface Raceway shall be listed for electrical wiring up to 600 volts and comply with UL-5A.
- All components shall be paintable.
- The Carlon Premier Surface Raceway Systems shall be manufactured from a white polyvinylchloride (PVC) meeting UL 94 V-O requirements.
- Cover finish surfaces shall be protected with a blue plastic film.

BOXES

- Device Yoke shall snap into raceway and allow installation of standard devices
- Device Back Box shall snap into device yoke to allow separation of wiring system
- Dual Device Yoke shall snap into raceway and allow installation of electric devices side-by-side with communication devices.
- Transition lid adapter shall have location posts to allow proper alignment on device yoke so additional depth can be achieved by attaching box lid with screws.

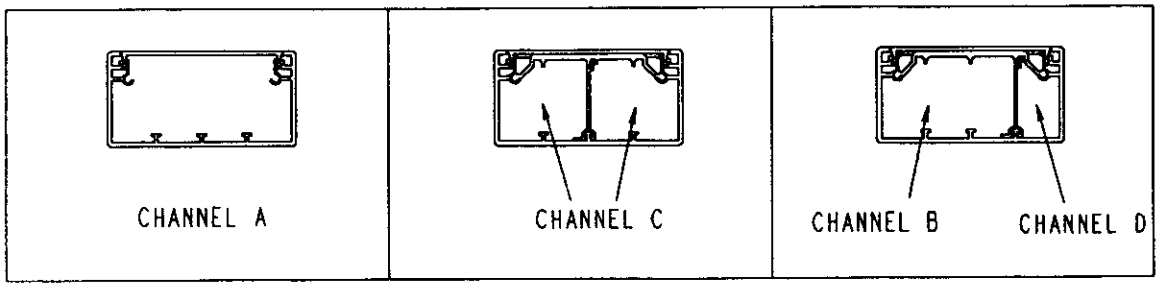
FITTINGS

- Cable Retainers shall snap into main base.
- Adapters shall allow transition to Carlon Single Channel raceway systems.
- Cover seals shall be installed between adjoining sections of covers to complete the aesthetic appearance of the installation.
- The manufacturer shall offer all the fittings required to form a completely integrated surface raceway system.

Carlon® Premier™ Surface Raceway

WIREFILL CHART WITHOUT DEVICE YOKE AND BOX BASE

				CHANNEL A	CHANNEL B	CHANNEL C	CHANNEL D
CHANNEL CROSS SECTIONAL AREA (IN.^{2})=				6.287	4.326	2.76	1.147
COAX CABLES	RG6/u	DIA.=0.270"	40% FILL	43	30	19	8
	RG11/u	DIA.=0.405"	40% FILL	19	13	8	3
	RG58/u	DIA.=0.193"	40% FILL	85	59	37	15
	RG59/u	DIA.=0.242"	40% FILL	54	37	24	9
	RG62A/u	DIA.=0.242"	40% FILL	54	37	24	9
LAN CABLES	CAT5, 4pr. UNSHIELDED	DIA.=0.250"	40% FILL	51	35	22	9
FIBER OPTIC CABLES (62.5/125 µm)							
	2 STRAND	DIA.=0.175"	40% FILL	104	71	45	19
	4 STRAND	DIA.=0.175"	40% FILL	104	71	45	19
	6 STRAND	DIA.=0.210"	40% FILL	72	49	31	13
SIGNAL CABLES	18 AWG	DIA.=0.066"	40% FILL	735	505	322	134
	20 AWG	DIA.=0.057"	40% FILL	985	678	432	179
	22 AWG	DIA.=0.050"	40% FILL	1280	881	562	233
	24 AWG	DIA.=0.044"	40% FILL	1653	1138	726	301
POWER (THHN)			DETERMINED BY UL TESTING				
	10 AWG	DIA.=0.164"		50	34	20	12
	12 AWG	DIA.=0.13"		55	37	24	14
	14 AWG	DIA.=0.111"		56	38	24	16



THE ABOVE QUANTITIES REPRESENT THE AVERAGE DIAMETERS SPECIFIED.

TO CALCULATE THE NUMBER OF CONDUCTORS FOR A CABLE DIAMETER NOT SPECIFIED, USE THE FOLLOWING EQUATION:

$$\text{CONDUCTOR QUANTITY} = \frac{(\text{RACEWAY CROSS SECTIONAL AREA}) * (\text{PERCENTAGE OF FILL})}{(0.7854) * (\text{CABLE DIAMETER})^2}$$

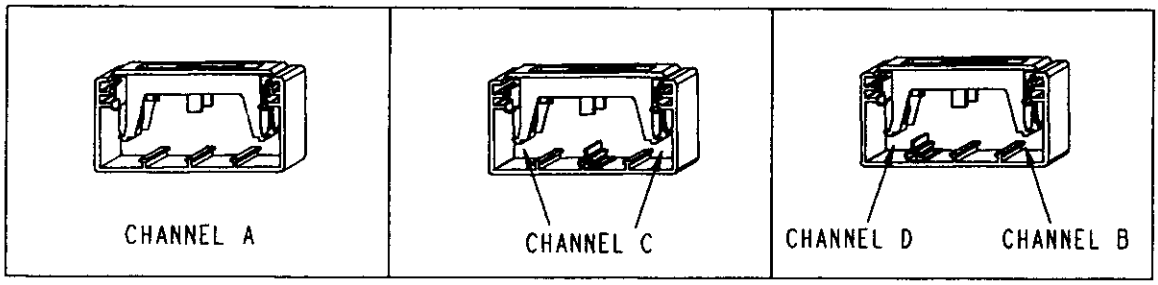
EXAMPLE:
RACEWAY CROSS SECTIONAL AREA= 6.287
PERCENTAGE OF FILL= 0.2
CABLE DIAMETER= 0.270

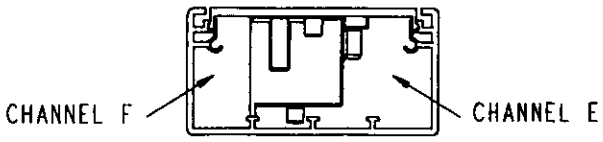
$$\text{CONDUCTOR QUANTITY} = \frac{(6.287) * (0.2)}{(0.7854) * (0.270)^2}$$

CONDUCTOR QUANTITY= 21.96
CONDUCTOR QUANTITY= 21

WIREFILL CHART WITH DEVICE YOKE AND BOX BASE

				WITH DEVICE YOKE AND BOX BASE				WITH DUAL DEVICE YOKE	
				CHANNEL A	CHANNEL B	CHANNEL C	CHANNEL D	CHANNEL E	CHANNEL F
CHANNEL CROSS SECTIONAL AREA ($IN.^2$)=				1.98	1.364	0.99	0.616	2.224	1.132
COAX CABLES	RG6/u	DIA.=0.270"	40% FILL	13	9	6	4	15	N/A
	RG11/u	DIA.=0.405"	40% FILL	6	4	3	1	6	N/A
	RG58/u	DIA.=0.193"	40% FILL	27	18	13	8	30	N/A
	RG59/u	DIA.=0.242"	40% FILL	17	11	8	5	19	N/A
	RG62A/u	DIA.=0.242"	40% FILL	17	11	8	5	19	N/A
LAN CABLES	CAT5, 4pr. UNSHIELDED	DIA.=0.250"	40% FILL	16	11	8	5	18	N/A
FIBER OPTIC CABLES (62.5/125 µm)									
	2 STRAND	DIA.=0.175"	40% FILL	32	22	16	10	36	N/A
	4 STRAND	DIA.=0.175"	40% FILL	32	22	16	10	36	N/A
	6 STRAND	DIA.=0.210"	40% FILL	22	15	11	7	25	N/A
SIGNAL CABLES	18 AWG	DIA.=0.066"	40% FILL	231	159	115	72	260	N/A
	20 AWG	DIA.=0.057"	40% FILL	310	213	155	96	348	N/A
	22 AWG	DIA.=0.050"	40% FILL	403	277	201	125	453	N/A
	24 AWG	DIA.=0.044"	40% FILL	520	358	260	162	585	N/A
POWER (THHN)	10 AWG	DIA.=0.164"	DETERMINED BY UL TESTING	15	10	6	5	N/A	8
	12 AWG	DIA.=0.13"		17	11	7	6	N/A	9
	14 AWG	DIA.=0.111"		17	11	7	6	N/A	9





THE ABOVE QUANTITIES REPRESENT THE AVERAGE DIAMETERS SPECIFIED.

TO CALCULATE THE NUMBER OF CONDUCTORS FOR A CABLE DIAMETER NOT SPECIFIED, USE THE FOLLOWING EQUATION:

$$\text{CONDUCTOR QUANTITY} = \frac{(\text{RACEWAY CROSS SECTIONAL AREA}) * (\text{PERCENTAGE OF FILL})}{(0.7854) * (\text{CABLE DIAMETER})^2}$$

EXAMPLE:
RACEWAY CROSS SECTIONAL AREA= 1.98
PERCENTAGE OF FILL= 0.2
CABLE DIAMETER= 0.270

$$\text{CONDUCTOR QUANTITY} = \frac{(1.98) * (0.2)}{(0.7854) * (0.270)^2}$$

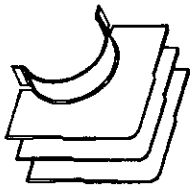
CONDUCTOR QUANTITY= 6.91
CONDUCTOR QUANTITY= 6

Carlon® Premier™ Surface Raceway

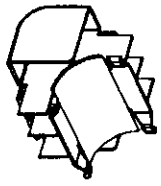
WIREFILL CHART FOR PREMIER CAT5 INSERTS

				5RWEED	5RWEID	5RWEFD	5RWTD
CHANNEL CROSS SECTIONAL AREA (IN.^{2})=				4.154	2.598	5.572	3.743
COAX CABLES	RG6/u	DIA.=0.270"	40% FILL	29	18	38	26
			60% FILL	43	27	58	39
	RG11/u	DIA.=0.405"	40% FILL	12	8	17	11
			60% FILL	19	12	25	17
	RG58/u	DIA.=0.193"	40% FILL	56	35	76	51
			60% FILL	85	53	114	76
	RG59/u	DIA.=0.242"	40% FILL	36	22	48	32
			60% FILL	54	33	72	48
	RG62A/u	DIA.=0.242"	40% FILL	36	22	48	32
			60% FILL	54	33	72	48
LAN CABLES	CAT5, 4pr. UNSHIELDED	DIA.=0.250"	40% FILL	33	21	45	45
			60% FILL	50	31	68	45
FIBER OPTIC CABLES (62.5/125 µm)	2 STRAND	DIA.=0.175"	40% FILL	69	43	92	62
			60% FILL	103	64	138	93
	4 STRAND	DIA.=0.175"	40% FILL	69	43	92	62
			60% FILL	103	64	138	93
	6 STRAND	DIA.=0.210"	40% FILL	47	30	64	43
			60% FILL	71	45	96	64
SIGNAL CABLES	18 AWG	DIA.=0.066"	40% FILL	485	303	651	437
			60% FILL	728	455	977	656
	20 AWG	DIA.=0.057"	40% FILL	651	407	873	586
			60% FILL	976	610	1310	880
	22 AWG	DIA.=0.050"	40% FILL	846	529	1135	762
			60% FILL	1269	793	1702	1143
	24 AWG	DIA.=0.044"	40% FILL	1092	683	732	984
			60% FILL	1639	1025	2198	1476
POWER (THHN)	10 AWG	DIA.=0.164"	DETERMINED BY UL TESTING	33	20	44	29
	12 AWG	DIA.=0.13"		36	22	48	32
	14 AWG	DIA.=0.111"		37	23	49	33

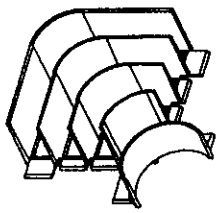
5RWEED



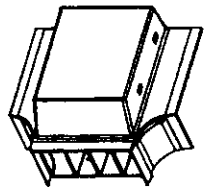
5RWEID



5RWEFD



5RWTD



THE ABOVE QUANTITIES REPRESENT THE AVERAGE DIAMETERS SPECIFIED.

TO CALCULATE THE NUMBER OF CONDUCTORS FOR A CABLE DIAMETER NOT SPECIFIED, USE THE FOLLOWING EQUATION:

$$\text{CONDUCTOR QUANTITY} = \frac{(\text{RACEWAY CROSS SECTIONAL AREA}) * (\text{PERCENTAGE OF FILL})}{(0.7854) * (\text{CABLE DIAMETER})^2}$$

EXAMPLE:
RACEWAY CROSS SECTIONAL AREA= 4.154
PERCENTAGE OF FILL= 0.4
CABLE DIAMETER= 0.270

$$\text{CONDUCTOR QUANTITY} = \frac{(4.154) * (0.4)}{(0.7854) * (0.270)^2}$$

CONDUCTOR QUANTITY= 29.02
CONDUCTOR QUANTITY= 29

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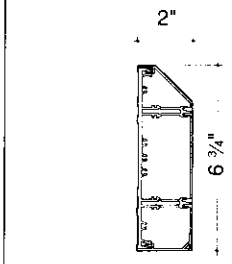
Price Schedule Code 10

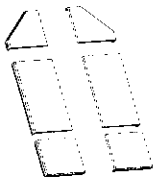
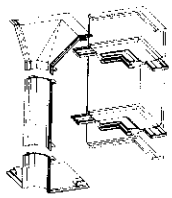
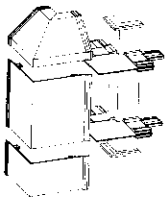
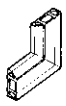
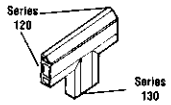
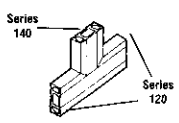
SERIES 120 RACEWAY

Nominal Dimensions – 6¾" x 2"
Actual Dimensions – 171.5 x 50.8 mm



Qty. Required	Part Number White	Description	Length (ft.)	Standard Carton Qty (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
1	2RWMB-010	Main Base	10	20	5.75	$579.18
1	2RWCC-010	Chamfered Cover	10	40	2.44	$277.81
1	2RWCF-010	Flat Cover	10	40	2.44	$268.33
1	2RWCS-010	Square Cover	10	40	2.44	$262.38

FITTINGS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
	2RWEC12	End Caps Right and Left Hand Pairs	1	4	.25	$1053.17
	2RWEI12	Elbow Internal	1	10	.51	$1378.71
	2RWEE12	Elbow External	1	10	.5	$1416.38
	2RWEF2D	Elbow Flat Square Internal Corner Series 120	1	12	1.9	$6258.28
	2RWEF2U	Elbow Flat Chamfered Internal Corner Series 120	1	12	1.78	$4850.41
	2RWT23	Flat Tee Series 120 to Series 130	1	6	2.2	$5418.90
	2RWT24	Flat Tee Series 120 to Series 140	1	6	2.45	$5418.90

Price Schedule Code 10

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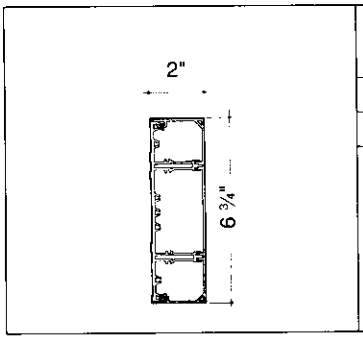
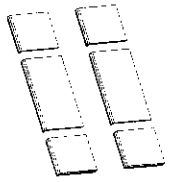
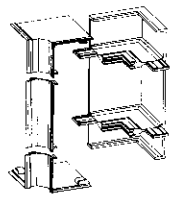
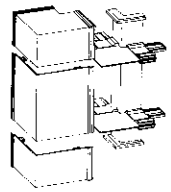
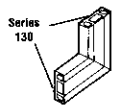
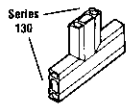
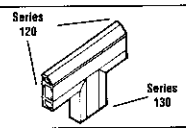
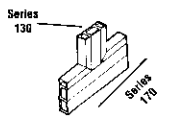
SERIES 130 RACEWAY

Nominal Dimensions – 6¾" x 2"
Actual Dimensions – 169.6 x 50.2 mm



Qty. Required	Part Number White	Description	Length (ft.)	Standard Carton Qty (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
1	2RWMB-010	Main Base	10	20	5.75	$579.18
1	2RWCF-010	Flat Cover	10	40	2.44	$268.33
2	2RWCS-010	Square Cover	10	40	2.44	$262.38

FITTINGS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
	2RWEC13	End Caps Right and Left Hand Pairs	1	4	.25	$1053.17
	2RWEI13	Elbow Internal	1	10	.66	$1378.71
	2RWEE13	Elbow External	1	10	.66	$1317.98
	2RWEF3	Elbow Flat Series 130	1	12	1.85	$4319.57
	2RWT33	Flat Tee Series 130 to Series 130	1	6	2.38	$5392.18
	2RWT23	Flat Tee Series 120 to Series 130	1	6	2.23	$5418.90
	2RWT73	Flat Tee Series 170 to Series 130	1	6	3.24	$6793.97

Price Schedule Code 10

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Listed
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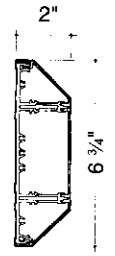
E140972

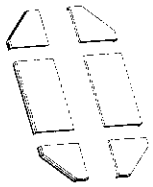
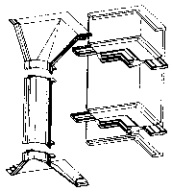
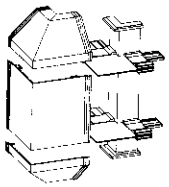
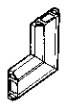
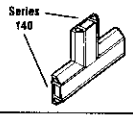
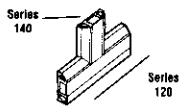
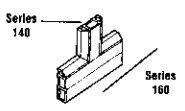
SERIES 140 RACEWAY

Nominal Dimensions – 6¾" x 2"
Actual Dimensions – 171.5 x 50.8 mm



Qty. Required	Part Number White	Description	Length (ft.)	Standard Carton Qty. (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
1	2RWMB-010	Main Base	10	20	5.75	$579.18
2	2RWCC-010	Chamfered Cover	10	40	2.44	$277.81
1	2RWCF-010	Flat Cover	10	40	2.44	$268.33

FITTINGS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
	2RWEC14	End Caps Right and Left Hand Pairs (6 pcs. to inner pack)	1	4	.25	$1053.17
	2RWECL14	End Caps (Long)	1	4	.4	$1871.37
	2RWEI14	Elbow -Internal	1	10	.37	$1381.15
	2RWEE14	Elbow - External	1	10	.462	$1381.15
	2RWEF4	Elbow Flat Series 140	1	12	1.76	$4382.74
	2RWT44	Flat Tee Series 140 to Series 140	1	6	2.23	$3851.01
	2RWT24	Flat Tee Series 120 to Series 140	1	6	2.45	$5418.90
	2RWT64	Flat Tee Series 160 to Series 140	1	6	3.24	$6644.57

Price Schedule Code 10

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Listed
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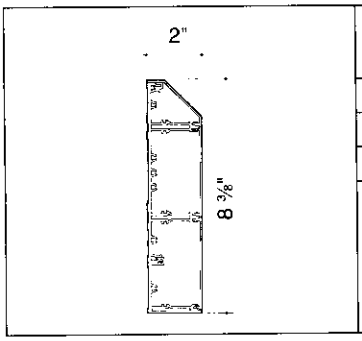
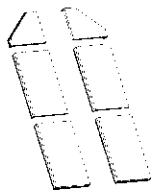
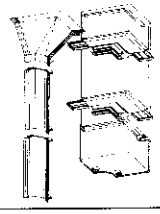
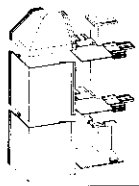
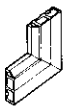
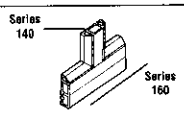
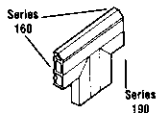
SERIES 160 RACEWAY

Nominal Dimensions – 8⅜" x 2"
Actual Dimensions – 212.7 x 50.8 mm



Qty. Required	Part Number White	Description	Length (ft.)	Standard Carton Qty. (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
1	2RWMB-010	Main Base	10	20	5.75	$579.18
1	2RWMBE-010	Main Base Extension	10	40	12.2	$293.12
2	2RWCF-010	Flat Cover	10	40	2.44	$268.33
1	2RWCC-010	Chamfered Cover	10	40	2.44	$277.81

FITTINGS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
	2RWEC16	End Caps Right and Left Hand Pairs	1	4	.47	$1053.17
	2RWEI16	Elbow Internal	1	10	.66	$1519.62
	2RWEE16	Elbow External	1	10	.68	$1605.87
	2RWEF6D	Elbow Flat Extension Internal Corner Series 160	1	6	2.42	$5341.16
	2RWEF6U	Elbow Flat Chamfered Internal Corner Series 160	1	6	2.42	$5389.74
	2RWT64	Flat Tee Series 160 to Series 140	1	6	3.24	$6644.57
	2RWT69	Flat Tee Series 160 to Series 190	1	6	3.02	$6879.00

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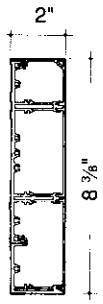
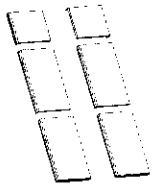
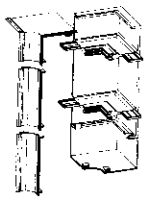
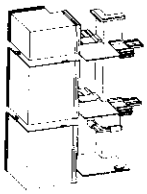
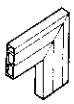
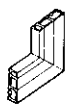
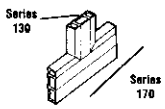
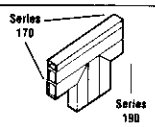
SERIES 170 RACEWAY

Nominal Dimensions – 8⅜" x 2"
Actual Dimensions – 212.5 x 50.8 mm



Qty. Required	Part Number White	Description	Length (ft.)	Standard Carton Qty. (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
1	2RWMB-010	Main Base	10	20	5.75	$579.18
1	2RWMBE-010	Main Base Extension	10	40	12.2	$293.12
2	2RWCF-010	Flat Cover	10	40	2.44	$268.33
1	2RWCS-010	Square Cover	10	40	2.44	$262.38

FITTINGS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs)	Full Carton Price Per Hundred
	2RWEC17	End Caps Right and Left Hand Pairs (6 pcs. to inner pack)	1	4	.47	$1055.60
	2RWEI17	Elbow Internal	1	10	.68	$1518.42
	2RWEE17	Elbow External	1	10	.66	$1635.03
	2RWEF7D	Elbow Flat Series 170	1	6	2.46	$5305.93
	2RWEF7U	Elbow Flat Square Internal Corner Series 170	1	6	2.42	$5353.31
	2RWT73	Flat Tee Series 170 to Series 130	1	6	2.23	$6793.97
	2RWT79	Flat Tee Series 170 to Series 190	1	6	3.21	$6937.31

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 10

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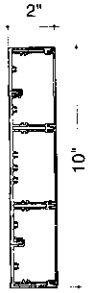
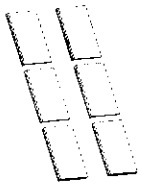
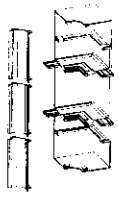
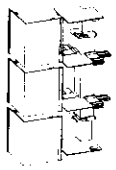
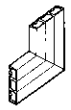
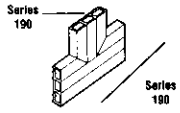
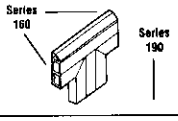
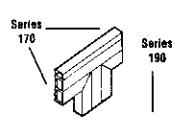
SERIES 190 RACEWAY

Nominal Dimensions – 10" x 2"
Actual Dimensions – 254 x 50.8 mm

	Qty. Required	Part Number White	Description	Length (ft.)	Standard Carton Qty. (ft.)	Carton Weight (lbs.)	Price Per Hundred (ft.)
	1	2RWMB-010	Main Base	10	20	5.75	$579.18
	2	2RWMBE-010	Main Base Extension	10	40	12.2	$293.12
	3	2RWCF-010	Flat Cover	10	40	2.44	$268.33

FITTINGS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs)	Full Carton Price Per Hundred
	2RWEC19	End Cap Series 190 White (6 pcs. to inner pack)	1	4	.47	$1185.58
	2RWEI19	Elbow Internal	1	10	.465	$1659.32
	2RWEE19	Elbow External	1	10	.9	$1830.59
	2RWEF9	Elbow Flat Series 190	1	6	.35	$6465.99
	2RWT99	Flat Tee Series 190 to Series 190	1	6	4.3	$6940.69
	2RWT69	Flat Tee Series 160 to Series 190	1	6	3.02	$6879.00
	2RWT79	Flat Tee Series 170 to Series 190	1	6	3.21	$6937.31

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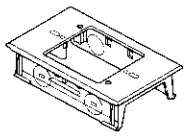
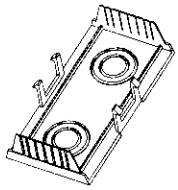
DEVICE YOKE



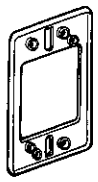
Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
2RWDY	Device Yoke	2	20	.55	$1371.43

BOX BASE



Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
2RWDYBB	Box Base	2	8	.312	$866.10

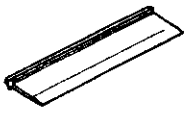
TRANSITION LID ADAPTER*



Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Pricer Per Hundred
2RWTLA	Transition Lid Adapter	5	20	.375	$ 440.95

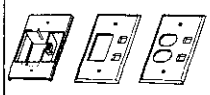
*Adapts single gang wall boxes to device yoke for added depth and capacity.

DIVIDER SUPPORT



Part Number White	Description	Std. Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred (ft.)
2RWDS-050	Divider Support (Coiled)	50	3	$84.56

DUAL DEVICE KIT



Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
2RWDDK	Dual Device Kit	1	10	.4	$1483.02

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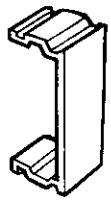
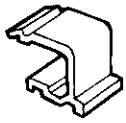
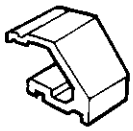
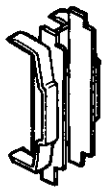
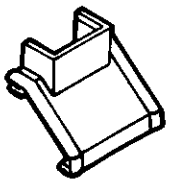
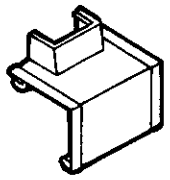
CABLE RETAINERS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
	2RRF	Retainer Straight	10	40	.28	$99.60
	2RRS	Retainer Square	10	40	.28	$100.82
	2RRC	Retainer Chamfered	10	40	.28	$86.25

CROSS-OVER BRIDGE

	Part Number White	Description	Std. Carton (Qty.	Master Carton Qty.	Standard Carton Weight (lbs)	Full Carton Price Per Hundred
	2RWBRG	Cross-Over Bridge	10	40	.62	$356.17

ADAPTERS — MULTI-CHANNEL TO SINGLE CHANNEL

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Price Per Hundred
	2RWAC	Adapter Chamfered to SC Raceway	10	40	1.16	$436.09
	2RWAS	Adapter Square to SC Raceway	10	40	.51	$229.58

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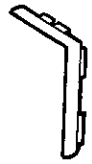
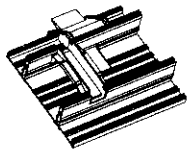
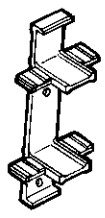
COVER SEALS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Full Carton Pricer Per Hundred
	2RWCSF	Flat Cover Seal	10	40	.12	$70.46
	2RWCSE	Extension Carrier Cover Seals	10	40	.24	$87.47
	2RWCSS	Square Cover Seals	10	40	2.25	$78.96
	2RWCSC	Chamfered Cover Seals	10	40	.61	$78.96

TRANSITION FITTING

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	2RWMBAC	Transition Fitting	1	6	.59	$4443.28	$3863.72

COUPLING

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	2RWMBCP	Base Coupling	5	50	.62	$305.93	$266.03

CARLON® PRESTIGE™ MULTI-CHANNEL SURFACE RACEWAY SYSTEM

RACEWAY

- The Surface Raceway Systems shall be Carlon® Prestige™ Multi-Channel.
- The Carlon Prestige Surface Raceway Systems shall provide protection for power, low voltage, data and communication wiring in a 3-channel configuration with dividers to adapt the raceway into 10 channels.
- The Carlon Prestige Surface Raceway shall be fully compatible with the Carlon Single Channel Surface Raceway System.
- The Carlon Prestige Surface Raceway shall be recognized by the National Electrical Code, Article 352-B, for Surface Nonmetallic Raceway.
- The Carlon Prestige Surface Raceway shall be UL listed for electrical wiring up to 600 volts and comply with UL-5A.
- All components shall be paintable.
- The Carlon Prestige Surface Raceway Systems shall be manufactured from a white polyvinylchloride (PVC) meeting UL 94 V-0 requirements.
- Cover finish surfaces shall be protected with a blue plastic film.
- The Carlon Prestige Surface Raceway shall provide single channels of the following cross sectional areas:

Center Channel:	5.39 sq. in.	(3480 sq. mm)
Chamfered:	1.4 sq. in.	(905 sq. mm)
Square:	2.36 sq. in.	(1525 sq. mm)
Extension:	5.27 sq. in.	(3400 sq. mm)

- The Carlon Prestige Surface Raceway System shall consist of a single base and three snap on covers in a variety of profiles — all removable from the base.

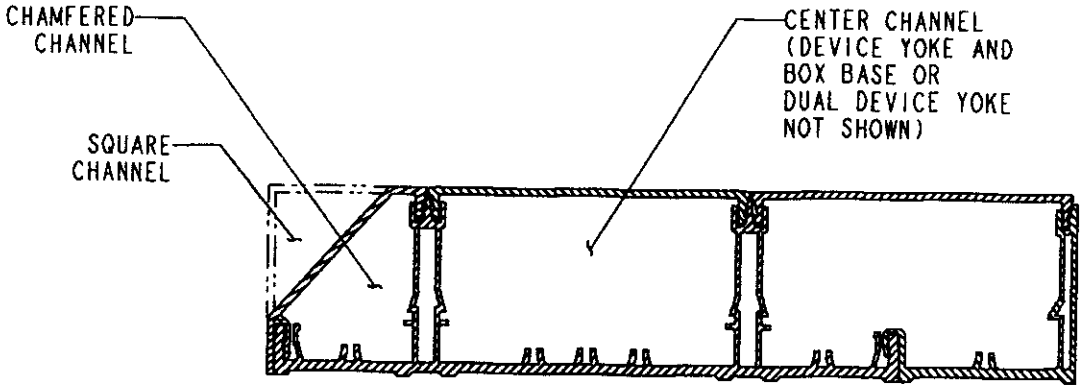
BOXES

- Device yoke shall snap into raceway and allow installation of standard devices.
- Device back box shall snap into device yoke to allow separation of wiring system.
- Transition lid adapter shall have location posts to allow proper alignment on device yoke, so additional depth can be achieved by attaching box lid with screws.
- Dual device yoke shall snap into raceway and allow installation of electric devices side-by-side with communication devices.

FITTINGS

- Internal and external elbows shall have molded-in coupling for connection into main base.
- Flat elbows and flat tee shall be attached to the main base by means of a slide-in coupling.
- Cable retainers shall snap into main base.
- Adapters shall allow transition to Carlon Single Channel Raceway Systems.
- Crossover bridge shall allow the capability of routing cabling/wiring between outer channels.
- Cover seals shall be installed between adjoining sections of covers to complete the aesthetic appearance of the installation.
- The manufacturer shall offer all the fittings required to form a complete integrated Surface Raceway system.

Carlon® Prestige™ Multi-Channel Wire Fill Chart



CARLON PRESTIGE MULTI-CHANNEL SURFACE RACEWAY WIREFILL CHART				CENTER W/O DEVICES	CENTER W/DEVICE YOKE	CENTER - W/ DEVICE YOKE & BOX BASE	CENTER - W/ CROSS-OVER BRIDGE	CENTER - W/ DUAL DEVICE YOKE	CHAMFERED	SQUARE	EXTENSION W/O DEVICES	EXTENSION W/ DEVICE YOKE	EXTENSION W/ DEVICE YOKE & BOX BASE
CHANNEL CROSS SECTION AREA (IN^2)				5.39	3.33	1.10	2.69	1.98	1.40	2.36	5.27	3.25	1.08
COAX CABLES	RG6/U	DIA = 0.270 IN	40% FILL	37	23	7	18	13	9	16	36	22	7
	RG11/U	DIA = 0.405 IN	40% FILL	16	10	3	8	6	4	7	16	10	3
	RG58/U	DIA = 0.193 IN	40% FILL	73	45	15	36	27	19	32	72	44	14
	RG59/U	DIA = 0.242 IN	40% FILL	46	28	9	23	17	12	20	45	28	9
	RG62A/U	DIA = 0.242 IN	40% FILL	46	28	9	23	17	12	20	45	28	9
LAN CABLES	CAT5, 4PR., UNSHIELDED	DIA = 0.250 IN	40% FILL	43	27	8	21	16	11	19	42	26	8
FIBER OPTIC CABLES (62.5/125um)	2 STRAND	DIA = 0.175 IN	40% FILL	89	55	32	44	32	23	44	87	54	17
	4 STRAND	DIA = 0.175 IN	40% FILL	89	55	32	44	32	23	44	87	54	17
	6 STRAND	DIA = 0.210 IN	40% FILL	62	38	22	31	22	16	31	60	37	12
SIGNAL CABLES	18 AWG	DIA = 0.066 IN	40% FILL	630	389	128	314	231	164	276	616	380	125
	20 AWG	DIA = 0.057 IN	40% FILL	845	521	172	421	310	219	370	826	509	168
	22 AWG	DIA = 0.050 IN	40% FILL	1098	678	224	548	402	285	481	1073	662	219
	24 AWG	DIA = 0.044 IN	40% FILL	1418	875	289	707	520	369	621	1386	855	283
POWER IN 3 CHANNELS USING EXTENSION CHANNEL(THHN)	10 AWG	DIA = 0.164 IN	DETERMINED BY UL TESTING	17	10	3	8	N/A	N/A	N/A	14	8	2
	12 AWG	DIA = 0.13 IN		17	10	3	8	N/A	N/A	N/A	15	9	3
	14 AWG	DIA = 0.111 IN		18	11	3	8	N/A	N/A	N/A	16	9	3
POWER IN 3 CHANNELS WITHOUT USING EXTENSION CHANNEL (THHN)	10 AWG	DIA = 0.164 IN	DETERMINED BY UL TESTING	23	14	4	11	N/A	6	10	N/A	N/A	N/A
	12 AWG	DIA = 0.13 IN		22	13	4	10	N/A	6	10	N/A	N/A	N/A
	14 AWG	DIA = 0.164 IN		24	14	4	11	N/A	8	12	N/A	N/A	N/A
POWER IN CENTER CHANNEL ONLY (THHN)	10 AWG	DIA = 0.164 IN	DETERMINED BY UL TESTING	44	27	8	21	N/A	N/A	N/A	N/A	N/A	N/A
	12 AWG	DIA = 0.13 IN		45	27	9	22	N/A	N/A	N/A	N/A	N/A	N/A
	14 AWG	DIA = 0.164 IN		46	28	9	22	N/A	N/A	N/A	N/A	N/A	N/A

THE ABOVE QUANTITIES REPRESENT THE AVERAGE DIAMETERS SPECIFIED.

TO CALCULATE THE NUMBER OF CONDUCTORS FOR A CABLE DIAMETER NOT SPECIFIED, USE THE FOLLOWING EQUATION:

$$\text{CONDUCTOR QUANTITY} = \frac{(\text{RACEWAY CROSS SECTIONAL AREA}) * (\text{PERCENTAGE OF FILL})}{(0.7854) * (\text{CABLE DIAMETER})^2}$$

EXAMPLE:
CENTER W/O DEVICES: RACEWAY CROSS SECTIONAL AREA =5.39
PERCENTAGE OF FILL =0.4
CABLE DIAMETER =0.250

$$\text{CONDUCTOR QUANTITY} = \frac{(5.394) * (0.4)}{(0.7854) * (0.250)^2}$$

CONDUCTOR QUANTITY = 43.92
CONDUCTOR QUANTITY = 43

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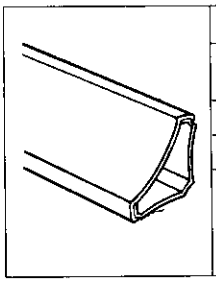
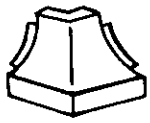
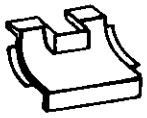
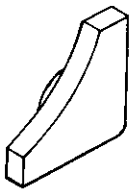
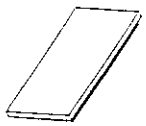
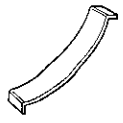
Nominal Dimensions – 1⅝" x 1⅝"
Actual Dimensions – 40 x 40 mm

RACEWAY



Part Number		Description	Length (ft.)	Standard Carton Qty. (ft.)	Std. Carton Weight (lbs.)	Price Per Hundred (ft.)
White	Ivory					
►RWC9-010	►RVC9-010	Compact Cove Molding	10	100	24.8	$227.46
►RWC9-005	►RVC9-005	Compact Cove Molding	5	50	12.0	$227.46

FITTINGS

	Part Number		Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs.)	Broken Carton Price Per Hundred	Full Carton Price Per Hundred
	White	Ivory						
	RWEE9	RVEE9	Elbow External	10	40	.5	$243.51	$211.75
	RWEI9	RVEI9	Elbow Internal	10	40	.35	$243.51	$211.75
	►RWA9	►RVA9	Adapter	10	40	.27	$186.73	$162.37
	►RWES9	►RVES9	End Stop	10	40	.21	$253.78	$220.68
	RWX9	RVX9	Intersection	10	40	.47	$308.17	$267.97
	►RWS9	►RVS9	Cable Retaining Strap	25	100	.5	$ 30.21	$ 26.27
	RWCP9	RVCP9	Cover Coupling	10	40	.14	$153.66	$133.62

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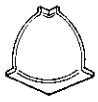
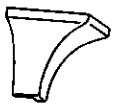
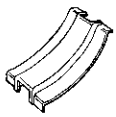
MULTI-CHANNEL COVE MOLDING

Nominal Dimensions – 3½" x 3½"
Actual Dimensions – 88.9 x 88.9 mm

	Part Number White	Description	Length (ft.)	Standard Carton Qty. (ft.)	Std. Carton Weight (lbs.)	Price Per Hundred (ft.)
	2RWC90-010	Cove Molding	10	20	15.1	$547.34

FITTINGS

	Part Number White	Description	Std. Carton Qty.	Master Carton Qty.	Standard Carton Weight (lbs)	Full Carton Price Per Hundred
	2RWEC90	End Cap	10	40	.51	$169.18
	2RWCP90	Cover Coupling	10	40	.27	$144.59
	2RWEI90	Elbow Internal	2	20	.174	$508.81
	2RWEE90	Elbow External	2	20	.41	$507.54
	2RWA90	Adapter Cove Cornice to Single Channel Raceway	5	20	.53	$356.17
	2RWCS90	Cable Strap	10	40	.46	$144.69

SPECIFICATIONS FOR CARLON® SINGLE CHANNEL COVE MOLDING RACEWAY SYSTEMS

RACEWAY

- The Carlon® Single Channel Cove Molding shall be manufactured from a polyvinyl chloride (PVC) white or ivory which complies with UL 94 V-0 requirements.
- The Carlon Single Channel Cove Molding shall be manufactured as a two-piece system consisting of a base and a snap on cover.
- The Carlon Single Channel Cove Molding shall provide protection for power, low voltage, data or communication wiring.
- The Carlon Single Channel Cove Molding shall be UL Listed for electrical wiring up to 600 volts and comply with Underwriters Laboratories Inc. (UL-5A.)
- The Carlon Single Channel Cove Molding shall be recognized by the National Electrical Code, Article 352-B, for Surface Nonmetallic Raceway Systems.
- The raceway cover shall be removable from the base.
- The Carlon Single Channel Cove Molding series 90 cross sectional area shall be 1.169 sq. in.
- Base and cover shall be paintable.

FITTINGS

- Elbows, tees, and couplings shall have catches molded in for secure fit to system.
- The manufacturer shall offer all the fittings required to form a complete integrated surface raceway system.
- Adapters shall allow transition to Carlon Single Channel Systems.
- Conduit adapter shall provide entry from conduit in ceiling into Carlon Single Channel Cove Molding.

SPECIFICATIONS FOR CARLON® MULTI-CHANNEL COVE MOLDING RACEWAY SYSTEMS

RACEWAY

- The Carlon® Multi-Channel Cove Molding shall provide protection for power, low voltage, data and communication wiring in a 3-channel configuration.
- The Carlon Multi-Channel Cove Molding shall be fully compatible with the Carlon Single Channel Surface Raceway System.
- The Carlon Multi-Channel Cove Molding shall be recognized by the National Electrical Code, Article 352-B, for Surface Nonmetallic Raceway.
- The Carlon Multi-Channel Cove Molding shall be UL Listed for electrical wiring up to 600 volts and comply with UL-5A.
- All components shall be paintable.
- The Carlon Multi-Channel Cove Molding shall be manufactured from a white polyvinyl chloride (PVC) meeting UL 94 V-0 requirements.
- The Carlon Multi-Channel Cove Molding shall have a single base and a single removable snap fit cover.
- Cover finish surfaces shall be protected with a blue plastic film.
- The Carlon Multi-Channel Cove Molding shall provide single channels of the following cross sectional areas:

Center Channel:	2.031 sq. in.	(1310 sq. mm)
Edges:	0.769 sq. in.	(496 sq. mm)

FITTINGS

- Internal and external elbows shall snap into main base.
- Adapters shall allow transition to Carlon Single Channel Systems.
- Cover couplings shall be installed between adjoining sections of covers to complete the aesthetic appearance of the installation.
- The manufacturer shall offer all the fittings required to form a complete integrated Multi-Channel Cove Molding.

Carlon® Cove Molding Raceway

CARLON COVE MOLDING RACEWAY WIREFILL CHART				SINGLE CHANNEL SERIES 90 COVE RACEWAY	MULTI-CHANNEL COVE RACEWAY SERIES 900		
					COVE CHANNEL A	COVE CHANNEL B	COVE CHANNEL C
COVE CROSS SECTIONAL AREA ($IN.^2$)=				1.169	0.769	2.031	0.769
COAX CABLES	RG6/u	DIA.=0.270"	40% FILL	8	5	14	5
	RG11/u	DIA.=0.405"	40% FILL	3	2	6	2
	RG58/u	DIA.=0.193"	40% FILL	15	10	27	10
	RG59/u	DIA.=0.242"	40% FILL	10	6	17	6
	RG62A/u	DIA.=0.242"	40% FILL	10	6	17	6
LAN CABLES	CAT5,4pr,Unshielded	DIA =0.250"	40% FILL	9	6	16	6
FIBER OPTIC CABLES (62.5/125 um)							
	2 STRAND	DIA.=0.175"	40% FILL	19	12	33	12
	4 STRAND	DIA.=0.175"	40% FILL	19	12	33	12
	6 STRAND	DIA.=0.210"	40% FILL	13	8	23	8
SIGNAL CABLES	18 AWG	DIA.=0.066"	40% FILL	136	89	237	89
	20 AWG	DIA.=0.057"	40% FILL	183	120	318	120
	22 AWG	DIA.=0.050"	40% FILL	238	156	413	156
	24 AWG	DIA.=0.044"	40% FILL	307	202	534	202
POWER 3 CHANNELS (THHN)							
	10 AWG	DIA.=0.164"	Determined by UL testing	N/A	4	10	4
	12 AWG	DIA.=0.13"		N/A	4	12	4
	14 AWG	DIA.=0.111"		N/A	5	15	5
POWER IN 2 CHANNELS A+B or B+C (THHN)							
	10 AWG	DIA.=0.164"	Determined by UL testing	N/A	(4)	11	(4)
	12 AWG	DIA.=0.13"		N/A	(5)	14	(5)
	14 AWG	DIA.=0.111"		N/A	(6)	16	(6)
POWER IN CENTER (B) CHANNEL (THHN)							
	10 AWG	DIA.=0.164"	Determined by UL testing	11	N/A	14	N/A
	12 AWG	DIA.=0.13"		12	N/A	16	N/A
	14 AWG	DIA.=0.111"		14	N/A	20	N/A

THE ABOVE QUANTITIES REPRESENT THE AVERAGE DIAMETERS SPECIFIED.

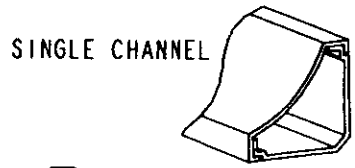
TO CALCULATE THE NUMBER OF CONDUCTORS FOR A CABLE DIAMETER NOT SPECIFIED, USE THE FOLLOWING EQUATION:

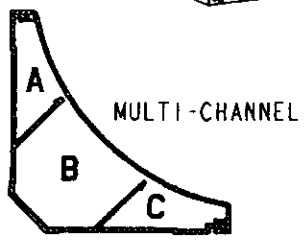
$$\text{CONDUCTOR QUANTITY} = \frac{(\text{COVE CROSS SECTIONAL AREA}) * (\text{PERCENTAGE OF FILL})}{(0.7854) * (\text{CABLE DIAMETER})^2}$$

EXAMPLE:
COVE CROSS SECTIONAL AREA= 2.031
PERCENTAGE OF FILL= 0.4
CABLE DIAMETER= 0.270

$$\text{CONDUCTOR QUANTITY} = \frac{(2.031) * (0.4)}{(0.7854) * (0.270)^2}$$

CONDUCTOR QUANTITY= 14.19
CONDUCTOR QUANTITY= 14





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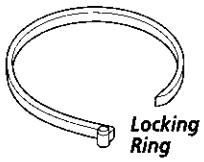
Bore-Gard®

Except where noted by ▶

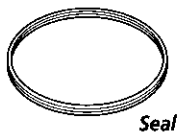
Part No.	Description	Length (ft.)	Dimensions O.D. (in.)	Dimensions O.D. (in.)	Full Crate Qty. (ft.)	Bundles per Truckload	Feet per Truckload	Weight per 100 feet	Broken Crate Price per 100 feet	Full Crate Price per 100 feet
BG340SP-010	3" Sch. 40 Bore-Gard	10	3.50	3.0	350	56	19,600	164	$ 776.55	$ 675.26
BG340SP-020	3" Sch. 40 Bore-Gard	20	3.50	3.0	700	28	19,600	164	$ 592.25	$ 515.00
BG440SP-010	4" Sch. 40 Bore-Gard	10	4.50	4.0	260	56	14,560	234	$1051.39	$ 914.25
BG440SP-020	4" Sch. 40 Bore-Gard	20	4.50	4.0	520	28	14,560	234	$ 793.50	$ 690.00
BG540SP-010	5" Sch. 40 Bore-Gard	10	5.56	5.0	230	40	9,200	317	$1147.16	$ 997.53
BG540SP-020	5" Sch. 40 Bore-Gard	20	5.56	5.0	460	20	9,200	317	$1012.00	$ 880.00
BG640SP-010	6" Sch. 40 Bore-Gard	10	6.625	6.0	200	40	8,000	418	$2380.50	$2070.00
BG640SP-020	6" Sch. 40 Bore-Gard	20	6.625	6.0	400	20	8,000	418	$1851.50	$1610.00

Bore-Gard® Repair Kits

Each kit contains 10 pieces for replacement purposes. Silicone grease included with seals.



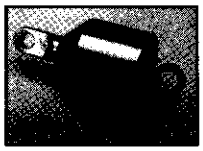
Locking Ring Part No.	Size	Std. Ctn. Qty. One Kit	Std. Ctn. Weight (lbs.)	Std. Ctn. Price per ea.
▶ BG3LSK	3"	1	.3	$13.06
▶ BGLSK	4"	1	.5	$ 9.23
▶ BG5LSK	5"	1	.6	$15.83
▶ BG6LSK	6"	1	.8	$17.09



Seal Part No.	Size	Std. Ctn. Qty. One Kit	Std. Ctn. Weight (lbs.)	Std. Ctn. Price per ea.
▶ BG3HBORSK	3"	1	.6	$139.60
▶ BGHBORSK	4"	1	.3	$170.94
▶ BG5HBORSK	5"	1	.6	$174.36
▶ BG6HBORSK	6"	1	.6	$177.78

Bore-Gard® Pulling Eyes

These high-quality pulling eyes have a permanent outer sleeve and a seal on pipe O.D.



Part No.	Description	Package Dimensions (in.)	Package Weight (lbs.)	Package Type	Std. Ctn. Qty.	Std. Ctn. Weight (lbs.)	Std. Ctn. Price Per ea.
▶ BG3PE	3" Pulling Eye	10"x 4"x 4"	8	Carton	1	9	$ 800.00
▶ BG4PE	4" Pulling Eye	17"x 6"x 6"	26	Carton	1	26	$ 981.20
▶ BG5PE	5" Pulling Eye	16"x 7 3/4"x 7 3/4"	37	Crate	1	37	$1343.60
▶ BG6PE	6" Pulling Eye	19 1/2"x 8 1/4"x 8 1/4"	63	Crate	1	63	$1600.00

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

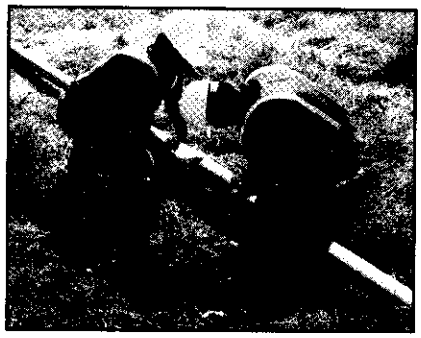
Bore-Gard® Assembly

Trim spigot end before attaching pulling eye.

1. Position Bore-Gard with the print line facing up.
2. Remove plastic locking strap and set it aside.
3. Remove end caps on first stick only, trim spigot end of Bore-Gard at the groove before attaching the pulling eye/gripping attachment.
4. Insert pulling eye into spigot end of Bore-Gard.

Tighten pulling eye so that it expands against interior of the conduit.

5. Tighten pulling eye so that it expands against the interior of the conduit. Use of sleeve over O.D. of conduit is recommended.
6. The installer should use appropriate instrumentation to insure that maximum pull rating is not exceeded.
7. Take next piece of Bore-Gard (10' or 20') and insert spigot end into belled end of the first piece until the insertion line is no longer visible.



Attach the next piece of Bore-Gard.

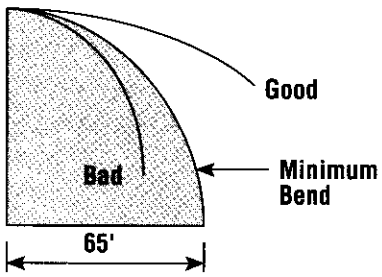
8. Slide the plastic locking strap into slot on the side of the bell. Push the strap in completely. It is not necessary to remove or cover the handle on the strap.
9. Repeat with remaining sections as space allows.
10. Bore-Gard is now ready for installation.

For additional information on the Bore-Gard® line of products, request Frequently Asked Questions about Bore-Gard, BGFAQ; Bore-Gard Technical Reference Guide, BGTRG; Ten Reasons to Buy Bore-Gard, BG10REA and the Bore-Gard six minute Video, BGVID. All of these materials are available direct from Carlon or from your local Carlon representative.

Specifications

Min. Bend Radius (ft.)	Typical Stiffness lbs./in./in. (@ 5% deflection)	Insertion Force (lbs.)	Seal Pressure Rating (P.S.I.)	Joint Pull Rating (lbs.)	Typical Crush lbs. (@ 30% deflection)	UL Std. 651 & NEMA TC2 Min. Crush (lbs.)
65	600 lbs.	20	75	7,000	1,225	1,000
65	600 lbs.	20	75	7,000	1,225	1,000
65	375 lbs.	40	75	8,700	1,075	900
65	375 lbs.	40	75	8,700	1,075	900
65	250 lbs.	60	75	11,300	950	850
65	250 lbs.	60	75	11,300	950	850
65	200 lbs.	80	75	14,000	950	850
65	200 lbs.	80	75	14,000	950	850

Bend Radius for Bore-Gard® & Boreable Multi-Gard®



***Minimum Bend Radius:** Turns in a bore path should be made gradually. Bore-Gard and Boreable Multi-Gard have a minimum bend radius of 65'. Bending more than this recommended limit will stress the joint. The drawing below illustrates the 65' bend radius. To obtain a 90° turn you will require 65' of forward distance in any directional plane.*

Note: Successful directional drilling, reaming and pipe installation are influenced by numerous factors including the reamed diameter, pull rate, fluid chemistry, fluid flow rate, drill rod diameter, soil conditions, equipment performance and condition, and operator experience. All manufacturers' equipment recommendations and training should be followed for successful drilling results.

Bore-Gard is flexible enough to be pulled around a building.

–NOTES–

– NOTES –

Made in the U.S.A.
www.carlon.com

Carlon® Rigid Nonmetallic Conduit, Fittings & Accessories

Carlon® manufactures the most complete line of nonmetallic conduits and fittings in the electrical industry. Carlon Plus 40® and Plus 80® conduits are designed for use aboveground and underground as described in the National Electrical Code. Specify only Carlon conduits and fittings to ensure raceway system integrity.

Features

Ease of Installation Nonmetallic conduits are 1/4 to 1/5 the weight of metallic systems, can be installed in less than half the time, and are easily fabricated on the job.

Safety Nonmetallic conduits are nonconductive, assuring a safe system.

Impact Resistant Carlon Plus 40® and Plus 80® nonmetallic conduits are resistant to sunlight and are UL Listed for exposed or outdoor usage. The use of expansion fittings allows the system to expand and contract with temperature variations.

Corrosion Resistant Carlon conduits and fittings are nonmetallic and will not rust or corrode.

Carlon nonmetallic Plus 40® and Plus 80® conduits and elbows are manufactured to NEMA TC-2, Federal specification WC1094A and UL 651 specifications. Fittings are manufactured to NEMA TC-3, Federal specification WC1094A and UL514B. Both conduit and fittings carry respective UL or ETL Listings and UL or ETL labels.

Support of Carlon Rigid Nonmetallic Conduit in Aboveground Installations

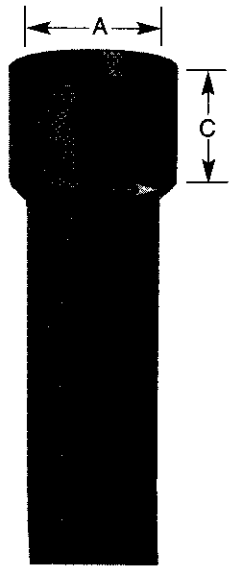
Table 347-8, 99 NEC shows the support requirements for Plus 40® and Plus 80® rigid PVC nonmetallic conduit.

Plastic conduit should always be installed away from steam lines, etc. Support straps should allow for lineal movement caused by expansion and contraction.

Maximum ambient temperature is 122°F (50°C).

Table 347-8, NEC

Conduit Size (in.)	Maximum Spacing Between Supports (feet)
1/2 - 1	3
1 1/4 - 2	5
2 1/2 - 3	6
3 1/2 - 5	7
6	8



Acceptable Dimensions in Inches of UL Listed Integral Bell

Trade Size of Conduit in Inches	A At Entrance		B At Bottom		C Socket Depth	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
1/2	0.860	0.844	0.844	0.828	1.500	0.652
3/4	1.074	1.054	1.056	1.036	1.500	0.719
1	1.340	1.320	1.320	1.300	1.875	0.875
1 1/4	1.689	1.665	1.667	1.643	2.000	0.938
1 1/2	1.930	1.906	1.906	1.882	2.000	1.062
2	2.405	2.381	2.381	2.357	2.000	1.125
2 1/2	2.905	2.875	2.883	2.853	3.000	1.469
3	3.530	3.500	3.507	3.477	3.125	1.594
3 1/2	4.065	3.965	4.007	3.977	3.250	1.687
4	4.565	4.465	4.506	4.476	3.375	1.750
5	5.643	5.543	5.583	5.523	3.625	1.937
6	6.708	6.608	6.644	6.584	3.750	2.125

Carlon Plus 40® Rigid PVC Nonmetallic Conduit
(Heavy Wall EPC)

UL 651 Listed to the NEC by the ETL

UL LISTED E35297

Listed for underground applications encased in concrete or direct burial. Also for use in exposed or concealed applications aboveground. • Sunlight resistant • Rated for use with 90°C conductors • Superior weathering characteristics

Plus 40® Heavy Wall

With Integral Bell*

Part No. 10'	Part No. 20'	Nom. Size	Std. Crate Qty. 10'	Std. Crate Qty. 20'	Wt. Per 100'	Dimensions O.D.	Dimensions I.D.	Wall	Std. Crate Wt. (lbs.) 10'/20'	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
49005-010	–	1/2"	6000'		17	.840	.622	.109	1044/ –	$ 43.50	$ 37.83
49007-010	49007-020	3/4"	4400'	8800'	23	1.050	.824	.113	1021/2042	$ 57.72	$ 50.19
49008-010	49008-020	1"	3600'	7200'	34	1.315	1.049	.133	1228/2455	$ 86.15	$ 74.91
49009-010	49009-020	1 1/4"	3300'	6600'	46	1.660	1.380	.140	1551/3102	$117.27	$101.97
49010-010	49010-020	1 1/2"	2250'	4500'	55	1.900	1.610	.145	1265/2529	$140.52	$122.19
49011-010	49011-020	2"	1400'	2800'	73	2.375	2.067	.154	1056/2111	$184.09	$160.08
49012-010	49012-020	2 1/2"	930'	1860'	124	2.875	2.469	.203	1157/2314	$295.56	$257.01
49013-010	49013-020	3"	880'	1760'	163	3.500	3.068	.216	1434/2867	$351.28	$305.46
49014-010	49014-020	3 1/2"	630'	1260'	196	4.000	3.548	.226	1237/2473	$451.31	$392.44
49015-010	49015-020	4"	570'	1140'	232	4.500	4.026	.237	1322/2645	$493.10	$428.78
49016-010	49016-020	5"	380'	760'	315	5.563	5.047	.258	1198/2396	$716.04	$622.64
49017-010	49017-020	6"	260'	520'	409	6.625	6.065	.280	1063/2126	$945.81	$822.44

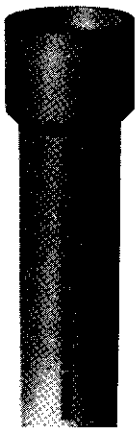
Rigid nonmetallic conduit is normally supplied in standard 10' lengths, with one belled end per length. For specific requirements, it may be produced in lengths shorter or longer than 10', with or without belled ends.

Carlon Plus 80® Rigid PVC Nonmetallic Conduit
(Extra Heavy Wall EPC-80)

Listed for use in aboveground and belowground applications that are subject to physical damage.
• Sunlight resistant • Rated for use with 90°C conductors • Superior weathering characteristics
• For use in areas subject to physical damage

Plus 80® Extra Heavy Wall

With Integral Bell*



Part No. 10'	Part No. 20'	Nom. Size	Std. Crate Qty. 10'	Std. Crate Qty. 20'	Wt. Per 100'	Dimensions O.D.	Dimensions I.D.	Wall	Std. Crate Wt. (lbs.) 10'/20'	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
49405-010	–	1/2"	6000'	–	21	.840	.546	.147	1290/ –	$ 52.66	$ 45.79
49407-010	–	3/4"	4400'	–	30	1.050	.742	.154	1298/ –	$ 70.74	$ 61.51
49408-010	–	1"	3600'	–	44	1.315	.957	.179	1566/ –	$101.32	$ 88.10
49409-010	–	1 1/4"	3300'	–	60	1.660	1.278	.191	1990/–	$141.50	$123.04
49410-010	49410-020	1 1/2"	2250'	3600'	72	1.900	1.500	.200	1643/2610	$168.50	$146.52
49411-010	49411-020	2"	1400'	2800'	101	2.375	1.939	.218	1414/2828	$232.12	$201.84
49412-010	49412-020	2 1/2"	930'	1880	154	2.875	2.323	.276	1436/2903	$354.95	$308.65
49413-010	49413-020	3"	880'	1760'	210	3.500	2.900	.300	1852/3705	$438.01	$380.88
49415-010	49415-020	4"	570'	1140'	308	4.500	3.826	.337	1754/3509	$689.22	$599.32
49416-010	49416-020	5"	380'	760'	428	5.563	4.813	.375	1626/3251	$933.70	$864.09
49417-010	49417-020	6"	260'	520'	588	6.625	5.761	4.32	1528/3057	$1365.40	$1187.30

Rigid nonmetallic conduit is normally supplied in standard 10' lengths, with one belled end per length. For specific requirements, it may be produced in lengths shorter or longer than 10', with or without belled ends.

Use Schedule 40 Fittings with Plus 40® and Plus 80® Conduit.

Notes: 1. Special fittings and conduit sizes will be quoted on request.
2. DON'T FORGET TO ORDER CEMENT.
3. Carlon reserves the right to ship to the nearest unitized quantity.

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Made in the U.S.A.
www.carlon.com

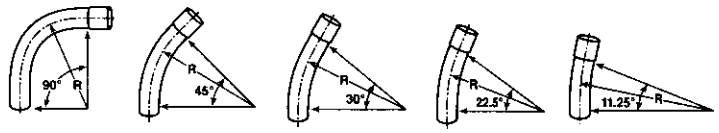
Price Schedule Code 2

Schedule 40 Elbows Standard Radius

Available in plain and integral belled end for use with nonmetallic solvent weld fittings.

UL 651 Listed to the NEC by the ETL

UL LISTED E35297

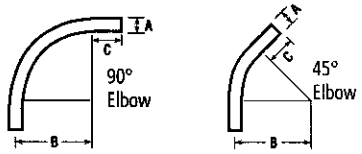


90° Elbow | 45° Elbow | 30° Elbow | 22½° Elbow | 11¼° Elbow

Item	Plain End Part No.	Size	Plain End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Elbow	UA9ADR-CAR	½"	25	4.1	$ 1.56	$ 1.36
	UA9AE	¾"	25	5.7	$ 1.73	$ 1.50
	UA9AF	1"	25	10.7	$ 2.67	$ 2.32
	UA9AG	1¼"	20	13.9	$ 3.80	$ 3.30
	UA9AH	1½"	25	23.9	$ 5.14	$ 4.47
	UA9AJ-CAR	2"	5	7.1	$ 7.46	$ 6.49
	UA9AK-CAR	2½"	10	2.5	$13.03	$11.33
	UA9AL	3"	1	4.0	$22.84	$19.86
	UA9AM	3½"	25	5.0	$31.56	$27.44
	UA9AN	4"	1	6.0	$39.54	$34.38
	UA9AP	5"	1	14	$69.58	$60.50
	UA9AR	6"	1	20	$117.82	$102.45
45° Elbow	UA7AD	½"	50	5.4	$ 1.45	$ 1.26
	UA7AER-CAR	¾"	15	2.3	$ 1.58	$ 1.37
	UA7AF-CAR	1"	15	4.2	$ 2.51	$ 2.18
	UA7AG	1¼"	20	8.2	$ 3.50	$ 3.04
	UA7AH	1½"	20	11.1	$ 5.61	$ 4.88
	UA7AJ-CAR	2"	4	3.1	$ 7.04	$ 6.12
	UA7AK-CAR	2½"	5	1.6	$13.64	$11.86
	UA7AL-CAR	3"	5	2.3	$21.97	$19.10
	UA7AM	3½"	25	3.0	$39.28	$34.16
	UA7AN	4"	25	3.8	$37.34	$32.47
	UA7AP	5"	1	7.0	$61.10	$53.13
	UA7AR	6"	1	10.7	$116.92	$101.67
30° Elbow	UA6AD	½"	50	4.7	$ 2.46	$ 2.14
	UA6AE	¾"	25	3.2	$ 2.55	$ 2.22
	UA6AF	1"	25	5.5	$ 3.09	$ 2.69
	UA6AG	1¼"	20	6.7	$ 4.36	$ 3.79
	UA6AH	1½"	25	11.3	$ 6.01	$ 5.23
	UA6AJ	2"	20	13.1	$ 8.81	$ 7.66
	UA6AK	2½"	10	13.8	$16.72	$14.54
	UA6AL	3"	1	1.9	$28.47	$24.76
	UA6AM	3½"	1	2.4	$32.23	$28.03
	UA6AN	4"	1	3.1	$45.47	$39.54
	UA6AP	5"	1	5.2	$76.20	$66.26
	UA6AR	6"	1	8.1	$88.85	$77.26

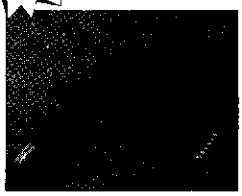
Item	Plain End Part No.	Size	Plain End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
22½° Elbow	UA5AD	½"	1	.1	$ 8.65	$ 7.52
	UA5AE	¾"	1	.1	$ 9.55	$ 8.30
	UA5AF	1"	1	.2	$14.88	$12.94
	UA5AG	1¼"	1	.3	$36.33	$31.59
	UA5AH	1½"	1	.3	$27.52	$23.93
	UA5AJ	2"	25	12.6	$26.42	$22.97
	UA5AK	2½"	20	19.7	$32.98	$28.68
	UA5AL	3"	5	7.8	$41.22	$35.84
	UA5AM	3½"	1	1.6	$61.96	$53.88
	UA5AN	4"	1	2.6	$80.58	$70.07
	UA5AP	5"	11	4.2	$125.56	$109.18
	UA5AR	6"	1	4.2	$196.45	$170.83
11¼° Elbow	UA3AD	½"	1	.1	$ 8.65	$ 7.52
	UA3AE	¾"	1	.1	$ 9.55	$ 8.30
	UA3AF	1"	1	.2	$14.88	$12.94
	UA3AG	1¼"	1	.2	$19.68	$17.11
	UA3AH	1½"	1	.3	$20.56	$17.88
	UA3AJ	2"	1	.4	$39.20	$34.09
	UA3AK	2½"	1	.7	$32.98	$28.68
	UA3AL	3"	1	1.2	$41.22	$35.84
	UA3AM	3½"	1	1.6	$175.51	$152.62
	UA3AN	4"	1	1.9	$77.48	$67.37
	UA3AP	5"	1	3.2	$125.56	$109.18
	UA3AR	6"	1	5.4	$196.45	$170.83

Standard Radius Elbow Dimensions 90° and 45°



Size	A	B Min. (Radius)	C Min.
½"	.840	4"	1½"
¾"	1.050	4½"	1½"
1"	1.315	5¾"	1⅞"
1¼"	1.660	7¼"	2"
1½"	1.900	8¼"	2"
2"	2.375	9½"	2"
2½"	2.875	10½"	3"
3"	3.500	13"	3⅛"
3½"	4.000	15"	3¼"
4"	4.500	16"	3⅜"
5"	5.563	24"	3⅝"
6"	6.625	30"	3¾"

NEW Flexible PVC Elbows



- UL listed for exposed and direct burial applications in accordance with Article 351 of 1999 NEC.
- 0° - 90° bending and offset applications
- Maintains round shape throughout bend.
- Sunlight resistant.
- Non-corrosive — All PVC and Neopreme material.
- Fully assembled and ready to use.

Part Number	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Std. Ctn. Price per Hu.
UAFAD	½"	8	1.6	$1121.25	$ 975.00
UAFAE	¾"	6	1.9	$1552.50	$1350.00
UAFAF	1"	6	2.4	$2127.50	$1850.00

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

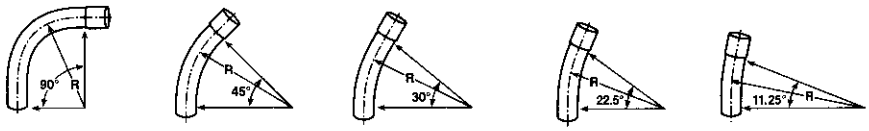
Price Schedule Code 2

Schedule 40 Elbows Standard Radius

Available in plain and integral belled end for use with nonmetallic solvent weld fittings.

UL 651 Listed to the NEC by the ETL

UL LISTED E35297

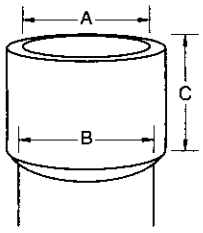


90° Elbow | 45° Elbow | 30° Elbow | 22½° Elbow | 11¼° Elbow

Item	Belled End Part No.	Size	Belled End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Elbow	UA9ADB	½"	50	7.8	$ 2.06	$ 1.79
	UA9AEB	¾"	25	7.9	$ 2.32	$ 2.02
	UA9AFB	1"	25	11.3	$ 3.62	$ 3.15
	UA9AGB	1¼"	20	14.1	$ 5.06	$ 4.40
	UA9AHB	1½"	25	22.3	$ 6.81	$ 5.92
	UA9AJB	2"	20	27.2	$ 9.40	$ 8.17
	UA9AKB-CAR	2½"	10	2.6	$20.71	$18.01
	UA9ALB-CAR	3"	5	5.1	$29.13	$25.33
	UA9AMB	3½"	20	111.2	$38.67	$33.63
	UA9ANB	4"	1	7.0	$49.29	$42.86
	UA9APB	5"	1	14.0	$93.73	$81.50
	UA9ARB	6"	1	19.0	$148.75	$129.35
45° Elbow	UA7ADB	½"	50	5.3	$ 1.98	$ 1.72
	UA7AEB	¾"	25	3.7	$ 2.22	$ 1.93
	UA7AFB	1"	20	5.6	$ 3.51	$ 3.05
	UA7AGB	1¼"	20	8.2	$ 4.85	$ 4.22
	UA7AHB	1½"	20	11.1	$ 6.58	$ 5.72
	UA7AJB-CAR	2"	4	3.1	$ 9.35	$ 8.13
	UA7AKB-CAR	2½"	5	1.6	$21.33	$18.55
	UA7ALB-CAR	3"	10	2.3	$29.37	$25.54
	UA7AMB	3½"	20	61.2	$39.02	$33.93
	UA7ANB	4"	20	76.4	$47.25	$41.09
	UA7APB	5"	1	7.0	$87.89	$76.43
	UA7ARB	6"	1	10.7	$123.33	$107.24

Item	Belled End Part No.	Size	Belled End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
30° Elbow	UA6ADB	½"	50	4.7	$ 5.31	$ 4.62
	UA6AEB	¾"	25	3.2	$ 8.07	$ 7.02
	UA6AFB	1"	1	.2	$25.52	$22.19
	UA6AGB	1¼"	20	6.6	$28.61	$24.88
	UA6AHB	1½"	1	.4	$26.00	$22.61
	UA6AJB	2"	20	13.1	$10.45	$ 9.09
	UA6AKB	2½"	20	11.9	$42.21	$36.70
	UA6ALB	3"	1	1.9	$45.03	$39.16
	UA6AMB	3½"	1	2.4	$64.22	$55.84
	UA6ANB	4"	1	3.1	$53.96	$46.92
	UA6APB	5"	1	5.2	$95.60	$83.13
	UA6ARB	6"	1	8.1	$19.21	$16.70
22½° Elbow	UA5AJB	2"	1	13.1	$36.81	$32.01
	UA5ALB	3"	1	1.6	$52.50	$45.65
	UA5ANB	4"	1	2.6	$95.01	$82.62
	UA5APB	5"	1	4.5	$168.90	$146.87
	UA5ARB	6"	1	4.2	$268.13	$233.16

Integral Belled End Dimensions



Trade Size	A At Entrance Max.	A At Entrance Min.	B At Bottom Max.	B At Bottom Min.	C Socket Depth Max.	C Socket Depth Min.
½"	.860	0.844	0.844	0.828	1.500	0.652
¾"	1.074	1.054	1.056	1.036	1.500	0.719
1"	1.340	1.320	1.320	1.300	1.875	0.875
1¼"	1.689	1.665	1.667	1.643	2.000	0.938
1½"	1.930	1.906	1.906	1.882	2.000	1.062
2"	2.405	2.381	2.381	2.357	2.000	1.125
2½"	2.905	2.875	2.883	2.853	3.000	1.469
3"	3.530	3.500	3.507	3.477	3.125	1.594
3½"	4.065	3.965	4.007	3.977	3.250	1.687
4"	4.565	4.465	4.506	4.476	3.375	1.750
5"	5.643	5.543	5.583	5.523	3.625	1.937
6"	6.708	6.608	6.644	6.584	3.750	2.125

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

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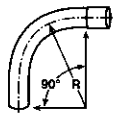
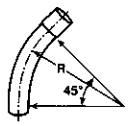
Price Schedule Code 13

Schedule 40 Elbows Special Radius



90° Elbow



45° Elbow

UL 651 Listed to the NEC by the ETL

LISTED E35297

Segment	Plain End Part No.	Nom. Diam.	Radius (in.)	Plain End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Elbow	UA9CF	1"	18"	1	.9	$11.74	$10.21
	UA9DF	1"	24"	1	1.2	$ 9.11	$ 7.92
	UA9EF	1"	30"	1	1.4	$20.96	$18.93
	UA9FF	1"	36"	1	1.7	$10.64	$ 9.61
	UA9HF	1"	48"	1	2.3	$22.55	$19.61
	UA9CG	1¼"	18"	1	1.2	$16.54	$14.38
	UA9DG	1¼"	24"	1	1.6	$16.01	$13.92
	UA9EG	1¼"	30"	1	2.0	$12.45	$10.83
	UA9FG	1¼"	36"	1	2.3	$13.95	$12.13
	UA9HG	1¼"	48"	1	3.0	$31.18	$27.11
	UA9CH	1½"	18"	1	1.5	$12.37	$10.76
	UA9DH	1½"	24"	1	1.9	$14.90	$12.96
	UA9EH	1½"	30"	1	2.5	$15.57	$13.54
	UA9FH	1½"	36"	1	2.7	$17.43	$15.16
	UA9HH	1½"	48"	1	3.6	$27.99	$24.34
	UA9CJ	2"	18"	1	2.0	$15.47	$13.45
	UA9DJ	2"	24"	1	2.6	$18.63	$16.20
	UA9EJ	2"	30"	1	3.3	$19.46	$16.92
	UA9FJ-UPC	2"	36"	1	3.8	$21.77	$18.93
	UA9HJ	2"	48"	1	5.0	$24.92	$21.67
	UA9CK	2½"	18"	1	3.5	$25.40	$22.09
	UA9DK	2½"	24"	1	4.4	$23.31	$20.27
	UA9EK	2½"	30"	1	5.4	$24.31	$21.14
	UA9FK-UPC	2½"	36"	1	6.3	$27.21	$23.66
	UA9HK	2½"	48"	1	8.2	$51.88	$45.11
	UA9CL	3"	18"	1	4.7	$24.18	$21.03
	UA9DL	3"	24"	1	6.0	$29.13	$25.13
	UA9EL	3"	30"	1	7.2	$30.39	$26.43
	UA9FL	3"	36"	1	8.4	$34.03	$29.59
	UA9HL	3"	48"	1	11.0	$38.92	$33.84
	UA9DM	3½"	24"	1	7.3	$36.41	$31.66
	UA9EM	3½"	30"	1	8.7	$38.00	$33.04
	UA9FM	3½"	36"	1	10.2	$71.45	$62.13
	UA9HM	3½"	48"	1	13.4	$85.88	$74.68
	UA9DN	4"	24"	1	8.6	$46.05	$40.04
	UA9EN	4"	30"	1	10.3	$47.50	$41.30
	UA9FN	4"	36"	1	12.2	$53.16	$46.23
	UA9HN	4"	48"	1	15.8	$60.82	$52.89
	UA9IN	4"	60"	1	19.5	$91.23	$79.33
	UA9JN	4"	72"	1	22.9	$46.21	$40.18
	UA9EP	5"	30"	1	14.2	$73.72	$64.10
	UA9FP	5"	36"	1	16.6	$82.55	$71.78
	UA9HP	5"	48"	1	21.5	$92.46	$80.40
	UA9IP	5"	60"	1	26.4	$138.69	$120.60
	UA9FR	6"	36"	1	21.8	$124.84	$108.56
	UA9HR	6"	48"	1	28.2	$139.78	$121.55
	UA9IR	6"	60"	1	34.2	$124.67	$108.41
	UA9HT	8"	48"	1	59.3	$253.18	$220.16

Segment	Plain End Part No.	Nom. Diam.	Radius (in.)	Plain End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
45° Elbow	UA7CF	1"	18"	1	.5	$17.41	$15.14
	UA7DF	1"	24"	1	.6	$13.87	$12.06
	UA7EF	1"	30"	1	.8	$ 8.89	$ 7.73
	UA7FF	1"	36"	1	.9	$ 9.97	$ 8.67
	UA7HF	1"	48"	1	1.2	$11.17	$ 9.71
	UA7CG	1¼"	18"	1	.7	$10.75	$ 9.35
	UA7DG	1¼"	24"	1	.9	$34.50	$30.00
	UA7EG	1¼"	30"	1	1.1	$11.75	$10.22
	UA7FG	1¼"	36"	1	1.2	$13.14	$11.43
	UA7HG	1¼"	48"	1	1.8	$15.03	$13.07
	UA7CH	1½"	18"	1	.9	$16.89	$14.69
	UA7DH	1½"	24"	1	1.0	$18.10	$15.74
	UA7EH	1½"	30"	1	1.3	$48.77	$42.41
	UA7FH	1½"	36"	1	1.5	$28.89	$25.12
	UA7HH	1½"	48"	1	2.0	$18.78	$16.33
	UA7CJ	2"	18"	1	1.2	$14.59	$12.69
	UA7DJ	2"	24"	1	1.4	$17.26	$15.01
	UA7EJ	2"	30"	1	1.8	$18.37	$15.97
	UA7FJ	2"	36"	1	2.1	$20.55	$17.87
	UA7HJ	2"	48"	1	2.6	$26.29	$22.86
	UA7CK	2½"	18"	1	2.1	$48.77	$42.41
	UA7DK	2½"	24"	1	2.5	$21.98	$19.11
	UA7EK	2½"	30"	1	3.1	$22.93	$19.94
	UA7FK	2½"	36"	1	3.5	$25.67	$22.32
	UA7HK	2½"	48"	1	4.6	$29.38	$25.55
	UA7CL	3"	18"	1	2.8	$22.80	$19.83
	UA7DL	3"	24"	1	3.5	$27.46	$23.88
	UA7EL	3"	30"	1	4.0	$28.69	$24.95
	UA7FL	3"	36"	1	4.7	$32.43	$28.20
	UA7DM	3½"	24"	1	4.3	$34.34	$29.86
	UA7EM	3½"	30"	1	4.9	$35.85	$31.17
	UA7FM	3½"	36"	1	5.6	$40.14	$34.90
	UA7DN	4"	24"	1	5.0	$42.92	$37.32
	UA7EN	4"	30"	1	5.9	$44.80	$38.96
	UA7FN	4"	36"	1	6.9	$49.17	$42.76
	UA7HN	4"	48"	1	8.6	$57.36	$49.88
	UA7SN	4"	150"	1	23.2	$156.17	$135.80
	UA7EP	5"	30"	1	8.0	$69.53	$60.46
	UA7FP	5"	36"	1	9.3	$77.89	$67.73
	UA7HP	5"	48"	1	11.9	$182.24	$158.47
	UA7FR	6"	36"	1	12.1	$117.76	$102.40
	UA7HR	6"	48"	1	15.4	$131.87	$114.67

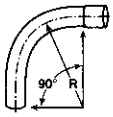
Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 13

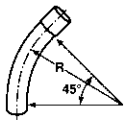
Schedule 40 Elbows Special Radius

UL 651 Listed to the NEC by the ETL

LISTED E35297



90° Elbow



45° Elbow

Segment	Belled End Part No.	Nom. Diam.	Radius (in.)	Belled End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Elbow	UA9CFB	1"	18"	1	.9	$14.82	$12.89
	UA9DFB	1"	24"	1	1.2	$ 9.88	$ 8.59
	UA9EFB	1"	30"	1	1.4	$10.26	$ 8.92
	UA9CGB	1¼"	18"	1	1.2	$16.09	$13.99
	UA9DGB	1¼"	24"	1	1.6	$27.58	$23.98
	UA9EGB	1¼"	30"	1	1.0	$13.49	$11.73
	UA9FGB	1¼"	36"	1	2.3	$30.29	$26.43
	UA9CHB	1½"	18"	1	1.5	$17.71	$15.40
	UA9DHB	1½"	24"	1	1.9	$16.27	$14.15
	UA9EHB	1½"	30"	1	1.0	$20.59	$17.90
	UA9FHB	1½"	36"	1	2.8	$33.53	$29.16
	UA9CJB	2"	18"	1	2.0	$17.35	$15.09
	UA9DJB-UPC	2"	24"	1	2.6	$20.52	$17.84
	UA9EJB	2"	30"	1	3.3	$21.36	$18.57
	UA9FJB	2"	36"	1	3.8	$23.68	$20.59
	UA9HJB	2"	48"	1	5.0	$26.80	$23.30
	UA9CKB	2½"	18"	1	3.5	$34.65	$30.13
	UA9DKB-UPC	2½"	24"	1	4.3	$26.66	$23.18
	UA9EKB	2½"	30"	1	4.8	$27.67	$24.06
	UA9FKB	2½"	36"	1	6.3	$30.57	$26.58
	UA9HKB	2½"	48"	1	8.2	$69.21	$60.18
	UA9CLB	3"	18"	1	4.7	$29.51	$25.66
	UA9DLB-UPC	3"	24"	1	6.1	$34.47	$29.97
	UA9ELB	3"	30"	1	7.2	$35.73	$31.07
	UA9FLB	3"	36"	1	8.5	$39.35	$34.22
	UA9HLB	3"	48"	1	11.0	$44.26	$38.49
	UA9DMB	3½"	24"	1	7.3	$70.38	$61.20
	UA9EMB	3½"	30"	1	1.0	$44.02	$38.28
	UA9FMB	3½"	36"	1	10.2	$160.90	$139.91
	UA9DNB	4"	24"	1	8.6	$53.76	$46.75
	UA9ENB	4"	30"	1	10.3	$55.75	$48.48
	UA9FNB	4"	36"	1	12.6	$61.41	$53.40
	UA9HNB	4"	48"	1	15.6	$69.08	$60.07
	UA9INB	4"	60"	1	18.7	$127.29	$110.69
	UA9EPB	5"	30"	1	14.2	$94.19	$81.90
	UA9FPB	5"	36"	1	17.3	$103.03	$89.59
	UA9HPB	5"	48"	1	21.2	$112.93	$98.20
	UA9IPB	5"	60"	1	26.6	$195.39	$169.90
	UA9FRB	6"	36"	1	21.8	$151.01	$131.31
	UA9HRB	6"	48"	1	28.2	$165.99	$144.34
	UA9IRB	6"	60"	1	34.2	$92.77	$80.67

Segment	Belled End Part No.	Nom. Diam.	Radius (in.)	Belled End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
45° Elbow	UA7FHB	1½"	36"	1	1.5	$24.33	$21.16
	UA7CJB	2"	18"	1	1.2	$16.61	$14.44
	UA7DJB	2"	24"	1	1.3	$19.58	$17.03
	UA7EJB	2"	30"	1	1.8	$20.36	$17.70
	UA7FJB	2"	36"	1	2.2	$22.55	$19.61
	UA7HJB	2"	48"	1	2.6	$25.52	$22.19
	UA7DKB	2½"	24"	1	2.5	$25.54	$22.21
	UA7FKB	2½"	36"	1	3.5	$29.23	25.42
	UA7CLB	3"	18"	1	2.8	$28.46	$24.75
	UA7DLB	3"	24"	1	3.5	$33.11	$28.79
	UA7ELB	3"	30"	1	4.0	$34.34	$29.86
	UA7FLB	3"	36"	1	4.8	$37.04	$32.21
	UA7HLB	3"	48"	1	6.1	$42.37	$36.84
	UA7DNB	4"	24"	1	5.0	$51.67	$44.93
	UA7ENB	4"	30"	1	5.9	$53.56	$46.57
	UA7FNB	4"	36"	1	6.9	$57.78	$50.24
	UA7HNB	4"	48"	1	8.6	$66.11	$57.49
	UA7NNB	4"	120"	1	20.0	$99.53	$86.55
	UA7SNB	4"	150"	1	23.0	$103.52	$90.02
	UA7EPB	5"	30"	1	8.2	$91.23	$79.33
	UA7FPB	5"	36"	1	9.3	$99.58	$86.59
	UA7HPB	5"	48"	1	12.4	$108.91	$94.70
	UA7SPB	5"	150"	1	32.8	$82.27	$71.54
	UA7FRB	6"	36"	1	12.1	$145.53	$126.55
	UA7HRB	6"	48"	1	15.4	$159.67	$138.84

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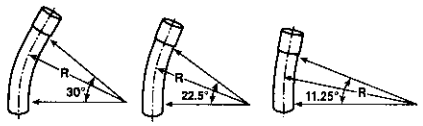
Price Schedule Code 13

Schedule 40 Elbows Special Radius



30° Elbow **22½° Elbow** **11¼° Elbow**

UL 651 Listed to the NEC by the ETL

LISTED E35297

Segment	Plain End Part No.	Nom. Diam.	Radius (in.)	Plain End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
30° Elbow	UA6CJ	2"	18"	1	.9	$13.87	$12.06
	UA6DJ	2"	24"	1	1.1	$16.69	$14.51
	UA6FJ	2"	36"	1	1.4	$19.53	$16.98
	UA6HJ	2"	48"	1	1.8	$22.32	$19.41
	UA6CK	2½"	18"	1	1.7	$17.32	$15.06
	UA6DK	2½"	24"	1	2.0	$20.88	$18.16
	UA6CL	3"	18"	1	2.1	$21.68	$18.85
	UA6DL	3"	24"	1	2.5	$39.05	$33.96
	UA6FL	3"	36"	1	3.5	$30.50	$26.52
	UA6HL	3"	48"	1	4.3	$34.89	$30.34
	UA6DM	3½"	24"	1	3.3	$32.65	$28.39
	UA6FM	3½"	36"	1	4.3	$38.13	$33.16
	UA6HM	3½"	48"	1	5.2	$43.62	$37.93
	UA6DN	4"	24"	1	3.8	$40.78	$35.46
	UA6FN	4"	36"	1	5.0	$47.67	$41.45
	UA6HN	4"	48"	1	6.3	$54.51	$47.10
	UA6FP	5"	36"	1	7.0	$74.00	$64.35
	UA6HP	5"	48"	1	8.8	$82.87	$72.06
	UA6FR	6"	36"	1	9.1	$111.87	$97.28
	UA6HR	6"	48"	1	11.1	$125.29	$108.95

Segment	Plain End Part No.	Nom. Diam.	Radius (in.)	Plain End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
11¼° Elbow	UA3DJ	2"	24"	1	.5	$24.56	$21.36
	UA3FJ	2"	36"	1	.7	$20.88	$18.16
	UA3HJ	2"	48"	1	.1	$21.19	$18.43
	UA3HK	2½"	48"	1	1.8	$26.52	$23.06
	UA3DL	3"	24"	1	1.6	$24.78	$21.55
	UA3FL	3"	36"	1	1.9	$29.12	$25.32
	UA3HL	3"	48"	1	2.4	$33.14	$28.82
	UA3DM	3½"	24"	1	2.0	$31.00	$26.96
	UA3HM	3½"	48"	1	2.6	$41.43	$36.03
	UA3DN	4"	24"	1	2.2	$38.73	$33.68
	UA3FN	4"	36"	1	2.6	$45.26	$39.36
	UA3HN	4"	48"	1	3.1	$51.80	$45.04
	UA3FP	5"	36"	1	3.9	$70.28	$61.11
	UA3HP	5"	48"	1	5.5	$78.72	$68.45
	UA3FR	6"	36"	1	5.1	$106.28	$92.42
	UA3HR	6"	48"	1	5.8	$119.03	$103.50

Segment	Plain End Part No.	Nom. Diam.	Radius (in.)	Plain End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
22½° Elbow	UA5FF	1"	36"	1	.6	$ 8.91	$ 7.75
	UA5FG	1¼"	36"	1	.7	$11.85	$10.30
	UA5FH	1½"	36"	1	.8	$22.23	$19.33
	UA5CJ	2"	18"	1	.8	$13.18	$11.46
	UA5DJ	2"	24"	1	.8	$15.87	$13.80
	UA5EJ	2"	30"	1	1.1	$16.57	$14.41
	UA5FJ	2"	36"	1	1.1	$18.55	$16.13
	UA5HJ	2"	48"	1	1.4	$29.13	$25.33
	UA5VJ	2"	300"	1	7.5	$74.28	$64.59
	UA5CK	2½"	18"	1	1.4	$16.48	$14.33
	UA5DK	2½"	24"	1	1.7	$19.85	$17.26
	UA5EK	2½"	30"	1	2.3	$20.69	$17.99
	UA5FK	2½"	36"	1	2.3	$23.17	$20.15
	UA5HK	2½"	48"	1	2.6	$26.52	$23.06
	UA5CL	3"	18"	1	1.9	$20.59	$17.90
	UA5DL	3"	24"	1	2.1	$24.78	$21.55
	UA5EL	3"	30"	1	2.4	$25.78	$22.42
	UA5FL	3"	36"	1	2.8	$28.99	$25.21
	UA5HL	3"	48"	1	3.5	$33.14	$28.82
	UA5VL	3"	300"	1	16.3	$77.29	$67.21
	UA5DM	3½"	24"	1	2.7	$31.00	$26.96
	UA5EM	3½"	30"	1	1.0	$32.36	$28.14
	UA5FM	3½"	36"	1	3.4	$36.23	$31.50
	UA5HM	3½"	48"	1	1.0	$41.43	$36.03
	UA5DN	4"	24"	1	3.2	$38.73	$33.68
	UA5EN	4"	30"	1	3.6	$40.43	$35.16
	UA5FN	4"	36"	1	4.2	$44.41	$38.62
	UA5HN	4"	48"	1	5.0	$51.80	$45.04
	UA5IN	4"	60"	1	6.1	$78.14	$67.95
	UA5SN	4"	150"	1	12.6	$144.18	$125.37
	UA5EP	5"	30"	1	5.2	$62.77	$54.58
	UA5FP	5"	36"	1	5.7	$70.28	$61.11
	UA5HP	5"	48"	1	7.0	$78.72	$68.45
	UA5SP	5"	150"	1	16.8	$199.90	$173.83
	UA5FR	6"	36"	1	7.4	$106.28	$92.42
	UA5HR	6"	48"	1	9.1	$119.03	$103.50
	UA5IR	6"	60"	1	12.0	$161.85	$140.74
	UA5RR	6"	144"	1	22.8	$201.73	$175.42
	UA5SR	6"	150"	1	4.1	$230.38	$200.33
	UA5VR	6"	300"	1	40.9	$98.52	$85.67

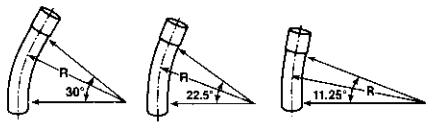
Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Price Schedule Code 13

Schedule 40 Elbows Special Radius

UL 651 Listed to the NEC by the ETL

UL LISTED E35297



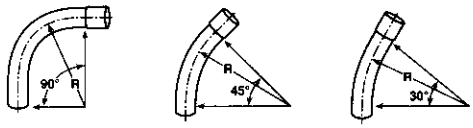
30° Elbow 22½° Elbow 11¼° Elbow

Segment	Belled End Part No.	Nom. Diam.	Radius (in.)	Belled End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
30° Elbow	UA6DJB	2"	24"	1	1.1	$ 18.69	$ 16.25
	UA6FJB	2"	36"	1	3.0	$ 21.54	$ 18.73
	UA6HJB	2"	48"	1	1.9	$ 24.33	$ 21.16
	UA6DLB	3"	24"	1	2.5	$ 31.75	$ 27.61
	UA6FLB	3"	36"	1	3.5	$ 36.14	$ 31.43
	UA6HLB	3"	48"	1	4.3	$ 40.56	$ 35.27
	UA6FNB	4"	36"	1	5.0	$ 56.41	$ 49.05
	UA6HNB	4"	48"	1	6.3	$ 63.25	$ 55.00
	UA6FPB	5"	36"	1	7.0	$ 95.68	$ 83.20
	UA6HPB	5"	48"	1	8.5	$104.56	$ 90.92
	UA6FRB	6"	36"	1	10.2	$139.63	$121.42
	UA6HRB	6"	48"	1	11.2	$153.05	$133.09
11¼° Elbow	UA3DJB	2"	24"	25	15.7	$ 17.87	$ 15.54
	UA3FJB	2"	36"	1	.8	$ 20.55	$ 17.87
	UA3DLB	3"	24"	1	1.6	$ 30.44	$ 26.47
	UA3DNB	4"	24"	1	2.2	$ 47.50	$ 41.30
	UA3FNB	4"	36"	1	3.4	$ 54.03	$ 46.98
	UA3HNB	4"	48"	1	3.3	$ 60.54	$ 52.64
	UA3FPB	5"	36"	1	4.5	$ 91.99	$ 79.99
	UA3FRB	6"	36"	1	6.8	$134.04	$116.56
22½° Elbow	UA5FHB	1½"	36"	1	.8	$ 15.96	$ 13.88
	UA5CJB	2"	18"	1	.8	$ 17.80	$ 15.48
	UA5DJB	2"	24"	25	20.9	$ 17.87	$ 15.54
	UA5EJB	2"	30"	1	1.0	$ 18.56	$ 16.14
	UA5FJB	2"	36"	1	1.1	$ 20.55	$ 17.87
	UA5CLB	3"	18"	1	1.9	$ 50.52	$ 43.93
	UA5DLB	3"	24"	1	2.1	$ 49.38	$ 42.94
	UA5FLB	3"	36"	1	2.8	$ 34.62	$ 30.10
	UA5DNB	4"	24"	1	2.3	$ 47.50	$ 41.30
	UA5ENB	4"	30"	1	3.6	$449.19	$ 42.77
	UA5FNB	4"	36"	1	4.6	$ 53.00	$ 46.09
	UA5HNB	4"	48"	1	5.0	$ 65.41	$ 56.88
	UA5SNB	4"	150"	1	12.6	$ 46.15	$ 40.13
	UA5UNB	4"	240"	1	18.7	$ 48.19	$ 41.90
	UA5VNB	4"	300"	1	24.4	$115.43	$100.37
	UA5DPB	5"	24"	1	4.4	$ 15.58	$ 13.55
	UA5EPB	5"	30"	1	5.2	$ 84.46	$ 73.44
	UA5FPB	5"	36"	1	5.7	$ 91.99	$ 79.99
	UA5HPB	5"	48"	1	7.5	$100.43	$ 87.33
	UA5VPB	5"	300"	1	31.7	$150.59	$130.95
	UA5FRB	6"	36"	1	9.4	$1134.04	$116.56
	UA5HRB	6"	48"	1	9.2	$146.80	$127.65

Price Schedule Code 03

Schedule 80 Elbows
Standard Radius

Available in plain end only for use with nonmetallic solvent weld fittings.



90° Elbow 45° Elbow 30° Elbow

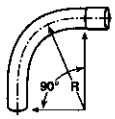
Item	Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Elbow	UB9AD-CAR	½"	25	4.6	$2.36	$2.05
	UB9AE-CAR	¾"	15	4.3	$3.36	$2.92
	UB9AF-CAR	1"	10	5	$5.12	$4.45
	UB9AG-CAR	1¼"	5	4.2	$6.91	$6.01
	UB9AH-CAR	1½"	5	5.7	$10.18	$8.85
	UB9AJ-CAR	2"	5	8.7	$13.77	$11.97
	UB9AK-CAR	2½"	10	31	$24.24	$21.08
	UB9AL-CAR	3"	5	25.7	$46.66	$40.57
	UB9AN	4"	1	7.5	$76.15	$66.22
	UB9AP	5"	1	15	$110.96	$96.49
	UB9AR	6"	1	24.6	$223.66	$194.49
45° Elbow	UB7AD	½"	50	6	$2.36	$2.05
	UB7AE-UPC	¾"	25	4.6	$3.22	$2.80
	UB7AF-UPC	1"	20	6.8	$5.01	$4.36
	UB7AG	1¼"	20	10	$6.92	$6.02
	UB7AH-CAR	1½"	5	3.6	$9.75	$8.48
	UB7AJ-UPC	2"	20	21	$14.26	$12.40
	UB7AK	2½"	20	37	$27.05	$23.52
	UB7AL	3"	1	2.7	$46.36	$40.31
	UB7AN	4"	1	4.7	$67.00	$58.26
	UB7AP	5"	1	8.8	$107.69	$93.64
	UB7AR	6"	1	14.3	$178.03	$154.81
30° Elbow	UB6AD	½"	50	6	$6.85	$5.96
	UB6AE	¾"	25	4	$6.97	$6.06
	UB6AF	1"	25	7	$10.11	$8.79
	UB6AG	1¼"	5	2.5	$29.22	$25.41
	UB6AH	1½"	25	14	$12.51	$10.88
	UB6AJ	2"	20	47	$15.32	$13.32
	UB6AK	2½"	1	1.5	$29.07	$25.28
	UB6AL	3"	1	2.2	$43.47	$37.80
	UB6AN	4"	1	3.8	$62.55	$54.39
	UB6AP	5"	1	6.5	$100.15	$87.09
	UB6AR	6"	1	11.6	$151.65	$131.87

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

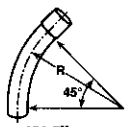
Price Schedule Code 13

Schedule 80 Elbows Special Radius

Available in plain end only for use with nonmetallic solvent weld fittings.



90° Elbow



45° Elbow

UL 651 Listed to the NEC by the ETL

LISTED E35297

Segment	Plain End Part No.	Nom. Diam.	Radius (in.)	Plain End Std. Ctn. Qty.	Broken Ctn Wt. (lbs.)	Full Ctn. Ctn. Price per ea.	Price per ea.
90° Elbow	UB9CF	1"	18"	1	1.1	$12.52	$10.89
	UB9DF	1"	24"	1	1.5	$38.03	$33.07
	UB9FF	1"	36"	1	2.1	$33.29	$28.95
	UB9HF	1"	48"	1	2.8	$55.21	$48.01
	UB9CG	1¼"	18"	1	1.6	$20.14	$17.51
	UB9DG	1¼"	24"	1	2.0	$31.33	$27.24
	UB9FG	1¼"	36"	1	3.1	$39.23	$34.11
	UB9HG	1¼"	48"	1	3.9	$22.63	$19.68
	UB9CH	1½"	18"	1	2.0	$16.56	$14.40
	UB9DH-UPC	1½"	24"	1	2.4	$41.66	$36.23
	UB9FH	1½"	36"	1	3.6	$42.64	$37.08
	UB9HH	1½"	48"	1	4.7	$26.02	$22.63
	UB9CJ	2"	18"	1	2.7	$21.52	$18.71
	UB9DJ-UPC	2"	24"	1	3.4	$23.81	$20.70
	UB9FJ	2"	36"	1	4.9	$29.22	$25.41
	UB9HJ	2"	48"	1	6.4	$41.11	$35.75
	UB9CK	2½"	18"	1	4.5	$44.62	$38.80
	UB9DK-UPC	2½"	24"	1	5.4	$35.72	$31.06
	UB9FK	2½"	36"	1	7.7	$43.83	$38.11
	UB9HK	2½"	48"	1	10.0	$61.65	$53.61
	UB9CL	3"	18"	1	5.6	$48.43	$42.11
	UB9DL	3"	24"	1	7.2	$53.57	$46.58
	UB9FL	3"	36"	1	10.1	$65.75	$57.17
	UB9HL	3"	48"	1	13.2	$92.48	$80.42
	UB9DN	4"	24"	1	10.6	$69.64	$60.56
	UB9FN	4"	36"	1	15.0	$85.47	$74.32
	UB9HN	4"	48"	1	19.5	$120.22	$104.54
	UB9FP	5"	36"	1	20.8	$140.90	$122.52
	UB9HP	5"	48"	1	27.0	$192.02	$170.45
	UB9FR	6"	36"	1	29.1	$192.21	$167.14
	UB9HR	6"	48"	1	37.6	$201.74	$175.43
45° Elbow	UB7CF	1"	18"	1	.7	$11.82	$10.28
	UB7DF	1"	24"	1	.8	$12.33	$10.72
	UB7HF	1"	48"	1	1.5	$18.56	$16.14
	UB7DG	1¼"	24"	1	2.1	$14.18	$12.33
	UB7FG	1¼"	36"	1	1.7	$16.08	$13.98
	UB7HG	1¼"	48"	1	2.1	$20.14	$17.51
	UB7CH	1½"	18"	1	1.2	$14.73	$12.81
	UB7DH	1½"	24"	1	2.0	$16.30	$14.17
	UB7FH	1½"	36"	1	2.1	$20.02	$17.41
	UB7CJ	2"	18"	1	1.2	$19.15	$16.65
	UB7DJ	2"	24"	1	2.1	$21.19	$18.43
	UB7FJ	2"	36"	1	2.7	$33.05	$28.74
	UB7HJ	2"	48"	1	3.5	$ 4.38	$ 3.81
	UB7DK	2½"	24"	1	3.2	$31.79	$27.64
	UB7FK	2½"	36"	1	4.6	$41.35	$35.96
	UB7CL	3"	18"	1	3.3	$43.10	$37.48
	UB7DL	3"	24"	1	4.5	$67.82	$58.97
	UB7FL	3"	36"	1	5.6	$80.98	$70.42
	UB7HL	3"	48"	1	7.2	$82.32	$71.58
	UB7DN	4"	24"	1	6.1	$61.97	$53.89
	UB7FN	4"	36"	1	8.4	$76.07	$66.15
	UB7HN	4"	48"	1	10.6	$107.00	$93.04
	UB7FP	5"	36"	1	11.7	$114.09	$99.21
	UB7HP	5"	48"	1	17.1	$160.52	$139.58
	UB7FR	6"	36"	1	23.5	$171.13	$148.81
	UB7HR	6"	48"	1	11.5	$179.53	$156.11

Segment	Belled End Part No.	Nom. Diam.	Radius (in.)	Belled End Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Elbow	UB9DJB	2"	24"	1	3.4	$ 25.30	$ 22.00
	UB9DKB	2½"	24"	1	5.8	$ 30.29	$ 26.34
	UB9FKB	2½"	36"	1	7.7	$ 73.38	$ 63.81
	UB9DLB	3"	24"	1	8.5	$ 89.26	$ 77.62
	UB9FLB	3"	36"	1	11.1	$116.38	$101.20
	UB9FNB	4"	36"	1	16.4	$ 91.06	$ 79.18
	UB9HNB	4"	48"	1	21.4	$253.99	$220.86

Shaded area indicates non-stock factory make-to-order items only – material is non-returnable and non-cancellable.

Expansion Couplings

(For Use with Plus 40® and Plus 80®)

E945 series expansion couplings are designed to compensate for length changes due to temperature variations in exposed conduit runs.

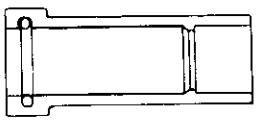
Standard Expansion Couplings

(Expands to a maximum of 6") **Price Schedule Code 9 (*17)**

Part No.	Size	Std. Ctn. Qty.	Lay Lengths Stop to Stop Total Closed	Lay Lengths Stop to Stop Total Open	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E945D	1/2	50	12 1/4	18 5/8	21	$2430.33	$2113.33
E945E	3/4	50	12 1/4	18 5/8	26	$2392.40	$2080.35
E945F	1	45	12 3/4	19 1/8	34	$2499.10	$2173.13
E945G	1 1/4	30	12 3/4	19 1/8	30	$2511.49	$2183.70
E945H	1 1/2	25	12 3/4	19 1/8	31	$2523.86	$2194.66
E945J	2	15	13 1/2	19 7/8	26	$2782.89	$2419.90
E945K	2 1/2	10	14	20 3/8	29	$3829.11	$3329.66
*E945KX (with male adapter)	2 1/2	10	14 63/100	20 81/100	29	$3244.82	$2821.58
*E945KXL (special 12 tray)	2 1/2	10	24	36	42	$7658.48	$6659.55
E945L	3	10	16 1/2	23	42	$4904.78	$4265.03
*E945LX (with male adapter)	3	10	15 9/10	22 1/3	42	$4319.69	$3756.25
E945M	3 1/2	5	16 1/2	23	27	$5934.03	$5160.03
E945N	4	5	17 1/2	24	31	$7072.55	$6150.04
E945P	5	3	18 1/2	24 1/2	27	$10,841.91	$9427.75
E945R	6	2	20 1/2	26 1/2	30	$14,589.05	$12,686.13

Short Expansion Couplings

(Expands to a maximum of 2") **Price Schedule Code 9**



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E955D	1/2	40	3.7	$1180.72	$1026.71
E955E	3/4	40	4.6	$1220.89	$1061.64
E955F	1	25	4	$1573.28	$1368.07
E955G	1 1/4	15	3.6	$1870.12	$1636.19
E955H	1 1/2	10	3.1	$2402.90	$2089.48
E955J	2	6	2.5	$2884.34	$2508.12

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

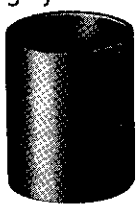
Couplings

UL LISTED E32447

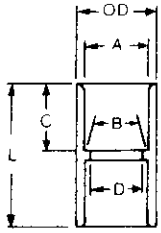
Except where noted by ▶

Standard Couplings **Price Schedule Code 01**

All socket fittings should be attached Using Carlon solvent cement. Using Carlon fittings with Carlon nonmetallic conduit insures system integrity.



Socket type for joining nonmetallic conduit.



Part No.	Size	Std. Ctn. Qty.	A Typical	B Typical	Min. D	Max. OD	C Typical	L Typical	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E940D	1/2	150	.852	.836	.728	17/64	11/16	1 1/2	4.1	$40.15	$34.91
E940E	3/4	100	1.064	1.046	.840	15/16	3/4	1 5/8	4.4	$49.07	$42.67
E940F	1	50	1.330	1.310	1.210	1 5/8	15/16	2	3.5	$75.84	$65.95
E940G	1 1/4	30	1.677	1.655	1.535	1 63/64	1	2 1/8	3.5	$101.12	$87.93
E940H	1 1/2	25	1.918	1.894	1.755	2 15/64	1 1/8	2 3/8	3.9	$141.27	$122.84
E940J	2	30	2.393	2.369	2.190	2 47/64	1 3/16	2 1/2	5.2	$184.40	$160.35
E940K-CAR	2 1/2	4	2.890	2.868	2.688	3 5/16	1 33/64	3 3/16	1.88	$325.67	$283.19
E940L-CAR	3	5	3.515	3.492	3.375	3 31/32	1 3/4	3 13/32	2.8	$537.42	$467.32
E940M	3 1/2	20	4.015	3.992	3.780	4 9/16	1 3/4	3 5/8	13	$594.14	$516.64
E940N-CAR	4	5	4.515	4.491	4.265	5 3/32	2	3 3/4	4	$829.29	$721.12
E940P	5	8	5.593	5.553	5.097	6 1/4	1 5/16	4 1/16	9.5	$2099.76	$1825.88
E940R	6	5	6.658	6.614	6.115	7 1/2	2 3/16	4 5/8	9.1	$2684.18	$2334.07

Special Schedule 40 Long Line Couplings

Long Line Couplings

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E941H	1 1/2	40	9	$864.79	$751.99
E941J	2	25	8	$542.78	$471.98
E941K	2 1/2	15	8	$901.85	$784.22
E941L	3	15	14	$1650.66	$1435.36
E941N	4	10	15	$2220.21	$1930.62
E941PF	5	4	12	$4570.10	$3974.00
▶ E941RF	6	5	21	$5755.04	$5004.38

Price Schedule Code 17

Sleeve Coupling
(For Repair Work)
No Internal Stop

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E948H	1 1/2	25	6	$506.24	$440.21
▶ E948J	2	25	5	$979.12	$851.41
▶ E948K	2 1/2	25	16	$1456.57	$1266.58
▶ E948L	3	25	13	$1433.54	$1246.56
▶ E948N	4	10	8	$1977.83	$1719.85
▶ E948P	5	14	33	$2867.66	$2493.62
▶ E948R	6	6	16	$3601.72	$3131.93

Price Schedule Code 7

Special Schedule 40 Swedge Couplings

Price Schedule Code 7

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E442K	2 1/2	20	13	$ 674.48	$ 586.50
▶ E442R	6	6	27	$3192.02	$2775.67
▶ E442T	8	2	17	$5348.49	$4650.86

Made in the U.S.A.
www.carlon.com

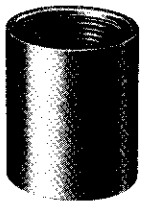
Adapters

Price Schedule Code 01

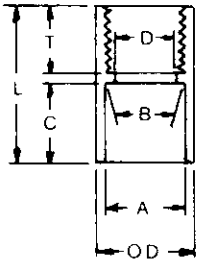
DN30
15/035

UL LISTED
E32447
Except where noted by ▶

Female Adapters



For adapting nonmetallic conduits to threaded fittings, metallic systems. Female threads on one end, socket end on other.

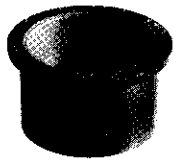


Part No.	Size	Std. Ctn. Qty.	A Typical	B Typical	Min. D	Max. OD	C Typical	T Typical	L Typical	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E942D	1/2	150	.852	.836	.620	17/64	11/16	3/4	19/16	4.4	$56.51	$49.14
E942E	3/4	100	1.064	1.046	.822	15/16	13/16	3/4	15/8	4.4	$95.17	$82.76
E942F	1	50	1.330	1.310	1.046	15/8	15/16	7/8	115/16	3.7	$132.35	$115.09
E942G	1 1/4	30	1.677	1.655	1.377	163/64	1	7/8	2	3.3	$172.80	$150.26
E942H	1 1/2	25	1.918	1.894	1.607	25/32	1 1/8	7/8	27/32	3.4	$186.44	$162.12
E942J	2	30	2.393	2.369	2.064	247/64	13/16	1	25/16	5.5	$252.79	$219.82
E942K-CAR	2 1/2	4	2.890	2.868	2.450	311/32	15/8	11/8	215/16	1.4	$495.71	$431.05
E942L-CAR	3	3	3.515	3.492	3.000	331/32	13/4	11/8	31/16	1.5	$741.16	$644.49
E942M	3 1/2	20	4.015	3.992	3.500	4 1/2	17/8	11/8	31/4	12	$967.01	$840.88
E942N-CAR	4	7	4.515	4.491	4.000	51/64	2	11/8	313/64	5	$991.43	$862.11
E942NX*	4	6	(Call for information)								$917.99	$798.25
E942P	5	8	5.593	5.553	5.047	6 1/4	115/16	11/16	33/16	8.5	$2467.52	$2145.67
E942R	6	6	6.658	6.614	6.055	7 1/4	21/8	11/16	33/8	8.6	$3257.19	$2832.34
E942RX*	6	6	(Call for information)							29	$9651.61	$ 8392.70

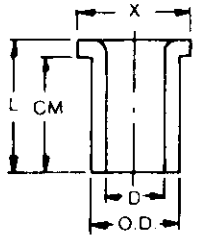
* Long Line Adapter

Box Adapters for Enclosures

Price Schedule Code 7



Adapts nonmetallic conduit to all electrical enclosures by inserting adapter through knockout and cementing into Carlon couplings.

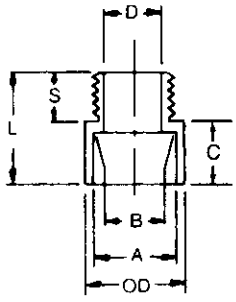


Part No.	Size	Std. Ctn. Qty.	Min D	OD Typical	Max X	CM Typical	L Typical	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E996D	1/2	100	.662	.840	17/64	23/32	27/32	1.6	$88.02	$76.54
E996E	3/4	100	.824	1.050	121/64	25/32	29/32	2	$89.42	$77.76
E996F	1	100	1.049	1.315	15/8	61/64	13/32	3	$97.29	$84.60
E996G	1 1/4	50	1.380	1.660	131/32	11/16	1 1/4	2.5	$103.47	$89.97
E996H	1 1/2	50	1.610	1.900	213/64	13/16	13/8	3.1	$108.10	$94.00
E996J	2	25	2.067	2.375	229/32	1 1/4	17/16	2.4	$116.70	$101.48
E996K-CAR	2 1/2	10	2.469	2.875	37/16	17/8	115/16	1.9	$487.99	$424.34
E996L-CAR	3	5	3.068	3.500	4 1/8	2	2 1/16	1	$487.99	$424.34
E996N	4	10	4.026	4.500	51/8	2 1/2	2 1/4	4.4	$566.75	$492.83

Male Terminal Adapters

Price Schedule Code 01

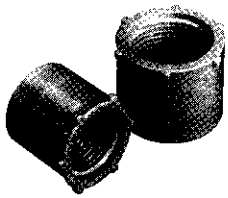
For adapting nonmetallic conduits to boxes, threaded fittings, metallic systems. Male threads on one end, socket end on other.



Part No.	Size	Std. Ctn. Qty.	A Typical	B Typical	Min. D	Max. OD	C Typical	T Typical	L Typical	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E943D	1/2	150	.852	.836	.597	1 1/8	5/8	9/16	115/16	2.8	$50.55	$43.96
E943E	3/4	125	1.064	1.046	.800	1 11/32	3/4	9/16	1 3/8	3.5	$93.68	$81.46
E943F	1	50	1.330	1.310	1.018	15/8	1	11/16	1 25/32	3	$117.48	$102.16
E943G	1 1/4	50	1.677	1.655	1.332	21/32	1	3/4	1 15/16	4	$148.71	$129.31
E943H	1 1/2	25	1.918	1.894	1.566	2 5/32	13/16	3/4	21/16	2.5	$182.92	$159.06
E943J	2	50	2.393	2.369	2.000	2 21/32	13/16	3/4	21/8	7	$263.21	$228.88
E943K-CAR	2 1/2	5	2.890	2.868	2.376	3 5/16	13/4	7/8	27/8	1.2	$453.19	$394.08
E943L-CAR	3	5	3.515	3.492	2.954	4	115/16	7/8	31/16	1.8	$670.22	$582.80
E943M	3 1/2	30	4.015	3.992	3.440	4 1/2	2 7/16	17/8	37/16	14	$863.94	$751.25
E943N-CAR	4	20	4.515	4.491	3.940	53/32	2 3/8	7/8	3 1/2	3	$1153.57	$1003.10
E943P	5	5	5.593	5.553	4.815	6 1/4	21/3	1	315/16	4.6	$2263.91	$1968.62
E943R	6	10	6.658	6.614	5.860	7 1/2	23/8	1	33/8	12	$2724.11	$2368.79

Threaded Adapters

Price Schedule Code 6



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9842D [1]	1/2	25	.77	$60.23	$52.37
E9842E [2]	3/4	25	.97	$100.38	$87.29

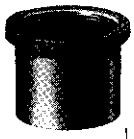
[1] Fits 3/4" sockets [2] Fits 1" sockets

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

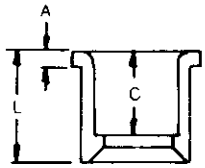
Price Schedule Code 7

Reducers

Reducer Bushings



For connecting different sizes of conduit. Bell x Spigot.



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt.	L Typical	A Typical	C Typical	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E950ED	3/4" x 1/2"	100	2.5	15/32	13/64	11/32	$112.16	$97.53
E950FD-CAR	1" x 1/2"	25	1.6	111/32	3/16	57/64	$251.60	$218.78
E950FE	1" x 3/4"	100	3.8	111/32	3/16	11/64	$266.75	$231.96
E950GE-CAR	1 1/4" x 3/4"	10	1	115/32	3/16	11/64	$344.37	$299.45
E950GF	1 1/4" x 1"	50	3.3	115/32	3/16	19/64	$344.37	$299.45
E950HF-CAR	1 1/2" x 1"	10	.86	119/32	3/16	19/64	$358.27	$311.54
E950HG-CAR	1 1/2" x 1 1/4"	10	.78	119/32	3/16	117/64	$351.64	$305.77
E950JG-CAR	2" x 1 1/4"	10	2	13/4	7/32	117/64	$430.85	$374.65
E950JH-CAR	2" x 1 1/2"	10	1.4	13/4	7/32	125/64	$422.87	$367.71
E950KJ-CAR	2 1/2" x 2"	10	2.7	25/32	3/8	127/64	$1392.94	$1211.25
E950LJ-CAR	3" x 2"	10	5.3	21/8	1/4	17/8	$1487.13	$1293.16
E950LK	3" x 2 1/2"	25	4.7	115/16	1/4	111/16	$1696.04	$1474.82
E950NL	4" x 3"	25	23	23/4	5/16	115/16	$1888.54	$1642.21

Small End - 3.5" to 4.3" O.D. Large End - 4" to 5" O.D.

Fabricated Reducers

Fabricated Reducers (Male x Male)

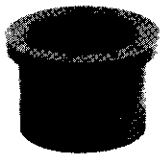
Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E952KJ	2 1/2" x 2"	48	28	$2262.91	$1967.75
▶ E952LJ	3" x 2"	36	21	$2317.85	$2015.52
▶ E952LK	3" x 2 1/2"	36	31	$2464.09	$2142.69
▶ E952NL	4" x 3"	15	23	$2550.36	$2217.70
▶ E952NM	4" x 3 1/2"	15	25	$2602.40	$2262.96
▶ E952PN	5" x 4"	12	26	$2652.45	$2306.48
▶ E952RP	6" x 5"	10	31	$4231.93	$3679.94

Plugs

UL LISTED E32447

Except where noted by ▶

Reducer Plugs



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E971C	3/4" x 1/2"	100	2	$168.81	$146.79
▶ E971D	1" x 3/4"	100	3	$186.79	$162.43

Plugs

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ P258H	1 1/2"	50	2	$117.37	$102.06
▶ P258K	2 1/2"	25	1.5	$151.34	$131.6(

Plugs with Pull Tabs

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ P258JT	2	60	3	$190.98	$166.07
▶ P258LT	3	30	3	$281.92	$245.15
▶ P258NT	4	48	8	$318.23	$276.72
▶ P258PT	5	30	6	$430.46	$374.31
▶ P258RT	6	30	9	$538.06	$467.88

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Made in the U.S.A.
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Price Schedule Code 7

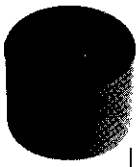
Caps

Service Entrance Caps

Part No.	Size	Std. Ctn. Qty.	Number of Openings 4	3	2	1	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E998E-CAR	3/4	5	–	.430	–	–	.68	$549.76	$478.05
▶E998F-CAR	1	5	.555	–	–	–	1.2	$725.80	$631.13
E998G-CAR	1 1/4	5	–	.752	.584	.435	2.1	$916.04	$796.56
▶E998H-CAR	1 1/2	5	–	.995	.745	.529	5.5	$1101.91	$958.18
E998J	2	5	–	.995	.745	.529	5	$1852.90	$1611.22
▶E998K-UPC	2 1/2	2	–	1.275 1.750	–	–	11	$9827.79	8545.90
E998L	3	2	1.142	1.759	–	–	10	$9505.43	$8265.59
E998N	4	2	1.142	1.759	–	–	30	$27,949.72	$24,304.10

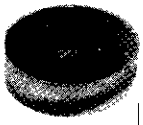
Note: Made in Canada

End Caps



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E958D	1/2	100	3	$162.14	$140.99
▶ E958E	3/4	100	4	$182.23	$158.46
▶ E958F	1	75	5	$203.85	$177.26
▶ E958G	1 1/4	40	4	$290.33	$252.46
▶ E958H	1 1/2	30	4	$344.37	$299.45
▶ E958J	2	25	5	$495.64	$430.99
▶ E958K	2 1/2	10	4	$1074.81	$934.62
▶ E958L	3	10	5	$1118.57	$972.67
▶ E958N	4	5	17	$2328.77	$2025.02
▶ E958P	5	5	11	$2742.64	$2384.90
▶ E958R	6	5	13	$4587.02	$3988.71

PVC Riser Caps



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶E935J	2	25	9	$841.20	$731.48
▶E935L	3	25	18	$972.33	$845.50
▶E935N	4	25	18	$1252.41	$1089.05
▶E935P	5	25	35	$1282.26	$1115.01
▶E935R	6	10	13	$1362.60	$1184.87

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Risers

UL LISTED E32447

Except where noted by ▶

Schedule 40 Meter Risers (with Terminal Adapters)

Part No.	Size	Length	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E954J	2	5'	1	4	$1461.12	$1270.54
▶ E954JX	2	6'8"	1	5	$2108.31	$1833.31
▶ E954K	2 1/2	5'	1	6	$1965.93	$1709.50
▶ E954KX	2 1/2	6'8"	1	8	$3031.37	$2635.97
▶ E954L	3	5'	1	8	$3163.22	$2750.63
▶ E954LX	3	6'8"	1	11	$4113.55	$3577.00

Offsets

Meter Offset

Part No.	Size	Std. Ctn. Qty.	Offset	A	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E995G	1 1/4	15	0.758	4.230	3.1	$682.05	$593.09
▶ E995J	2	8	0.684	4.270	2.7	$726.01	$631.31

Offset

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶E994DR-CAR	1/2	25	3	$204.18	$177.55
▶E994ER-CAR	3/4	15	2	$352.44	$306.47
▶E994F	1	50	12	$460.77	$400.67

End Bells

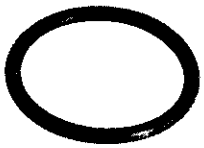
End Bells

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E997F-CAR	1	15	1	$344.07	$299.19
▶ E997G-CAR	1 1/4	15	1	$421.59	$366.60
▶ E997H-CAR	1 1/2	10	1	$421.59	$366.60
▶ E997J-CAR	2	10	1	$632.02	$549.58
▶ E997K-CAR	2 1/2	10	2	$688.75	$598.91
▶ E997L-CAR	3	10	2	$739.08	$642.68
▶ E997M	3 1/2	40	10	$812.41	$706.44
▶ E997N	4	30	11	$883.33	$768.11
▶ E997P	5	15	10	$1383.82	$1203.32
▶ E997R	6	10	7.4	$1517.20	$1319.30
▶ E997T	8	3	14.55	$5880.63	$5113.59

Washers

Price Schedule Code 7

Flat Sealing Washer



Where a waterproof termination is required into any enclosure (metallic or nonmetallic), install the neoprene washer over the threads of a terminal adapter before inserting into the enclosure. Use a standard locknut or threaded bushing to secure the assembly.

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E943DW	1/2	125	.45	$43.23	$37.59
▶ E943EW	3/4	125	.45	$46.32	$40.28
▶ E943FW	1	100	.46	$52.50	$45.65
▶ E943GW	1 1/4	50	.44	$78.75	$68.48
▶ E943HW	1 1/2	50	.45	$97.29	$84.60
▶ E943JW	2	25	.42	$111.18	$96.68

Lock Nuts

Price Schedule Code 7

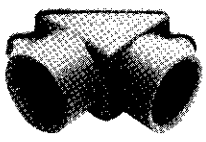
PVC Lock Nut

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ LT9LD	1/2	1200	4.3	$16.92	$14.71
▶ LT9LE	3/4	700	4	$21.15	$18.39
▶ LT9LF	1	600	4	$30.44	$26.47

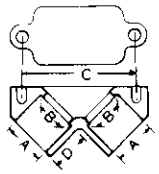
Pull Elbows

Price Schedule Code 6

Access Pull Elbows



Gasket included.



Part No.	Size	Std. Ctn. Qty.	A Typical	B Typical	C Typical	D Typical	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E990DR-CAR	1/2	25	.852	.836	2.187	.718	2.3	$374.37	$325.54
▶ E990ER-CAR	3/4	20	1.064	1.046	2.531	.781	2.4	$415.30	$361.13

Sleeves

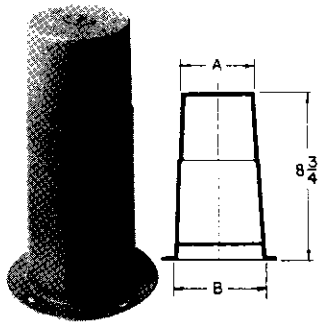
Price Schedule Code 7

UL LISTED
E32447

Except where noted by ▶

HOLFORM™ Concrete Sleeves

HOLFORM nonmetallic concrete sleeve forms are the easy way to form holes in concrete. They install in seconds with nails, screws or staples and are easily removed. Concrete will not adhere to them. HOLFORMS are adjustable to any slab thickness.

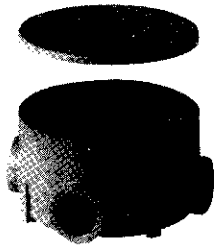


Part No.	Min. O.D. A	B	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
▶ E92CSH	1 1/2	1 3/4	20	3	$297.07	$258.32
▶ E92CSJ	2	2 13/32	25	6	$360.73	$313.68
▶ E92CSL	3	3 13/32	25	8	$477.43	$415.16
▶ E92CSN	4	4 13/32	18	8	$763.31	$663.75
▶ E92CSP	5	5 13/32	15	8	$730.56	$635.27
▶ E92CSR	6	6 13/32	12	8	$884.88	$769.46

Conduit Bodies

Price Schedule Code 6

Type X with Cover

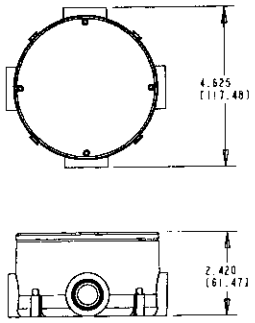


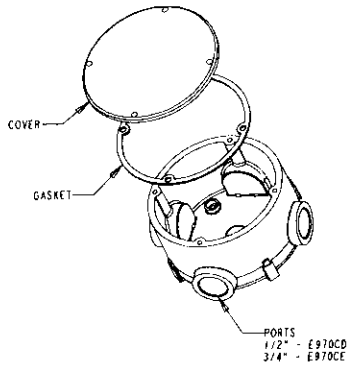
Four knock-out type socket openings, 90° spacing. Available with 1/2" or 3/4" socket outlets. Includes cover and gasket. Supplied with separate mounting feet for easy mounting.

Separate Mounting Feet Included

Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E970CD	1/2	15.16	15	10	$1314.19	$1142.77
E970CE	3/4	15.16	15	9.6	$1265.51	$1100.44

Supplied with 4 stainless steel cover screws. Diameter 4 1/8", Thickness 1/4".
*Not designed for use with wiring devices or light fixtures.



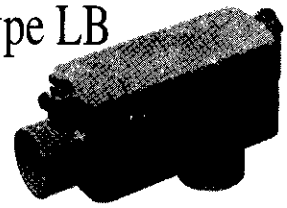


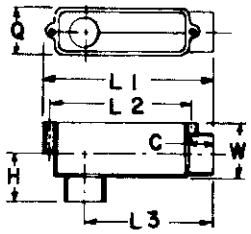
Made in the U.S.A.
www.carlon.com

Price Schedule Code 6

Conduit Bodies (hubs are not threaded)

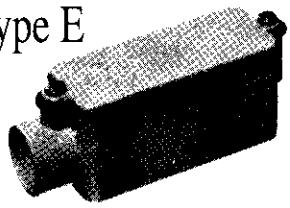
Type LB

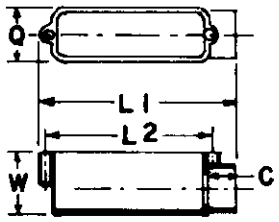




Part No.	Size	Std. Ctn. Qty.	C Typical	Max. L1	L2 Typical	L3 Typical	Max H	Max Q	Max. W	Vol. Cu. In.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E986D-CAR	1/2	10	11/16	4 5/16	3 7/32	3 1/16	1 5/16	1 11/32	1 1/2	4.0	2	$370.28	$321.98
E986E-CAR	3/4	10	29/32	6 9/32	5 9/32	4 25/32	1 25/32	1 3/4	2 1/32	12.0	4.4	$523.46	$455.18
E986F-CAR	1	10	29/32	6 9/32	5 9/32	4 25/32	1 25/32	1 3/4	2 1/32	12.0	4.3	$575.51	$500.44
E986G-CAR	1 1/4	5	1 3/32	7 31/32	6 13/32	6	2 5/16	2 1/2	2 3/4	32.0	4.6	$822.35	$715.09
E986H-CAR	1 1/2	5	1 3/32	7 31/32	6 13/32	6	2 5/16	2 1/2	2 3/4	32.0	4.4	$959.17	$834.06
E986J	2	10	1 5/32	9 31/32	8 13/32	7 1/4	2 9/16	3 5/32	3 15/32	63.0	17	$1699.73	$1478.03
▶ E986K	2 1/2	4	1 5/8	14 7/8	13 1/4	11 31/32	3 3/4	4 11/32	4 5/8	210.	15	$6538.70	$5685.83
▶ E986L	3	4	1 5/8	14 7/8	13 1/4	11 31/32	3 3/4	4 11/32	4 5/8	210.	15	$6757.31	$5875.92
▶ E986M	3 1/2	4	1 25/32	17 23/32	15 7/8	14 17/64	4 7/16	5 11/32	5 21/32	390.	23	$7241.12	$6296.63
▶ E986N	4	4	1 25/32	17 23/32	15 7/8	14 17/64	4 7/16	5 11/32	5 21/32	390.	22	$7410.13	$6443.59

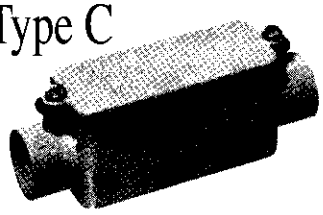
Type E

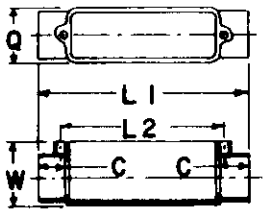




Part No.	Size	Std. Ctn. Qty.	C	L1	L2	Q	W	Vol. Cu. In.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E988D-CAR	1/2	5	11/16	4 5/16	3 1/2	1 11/32	1 1/2	4.0	2	$403.05	$350.48
E988E	3/4	20	29/32	6 11/32	5 9/32	1 3/4	2 1/32	12.0	8	$571.38	$496.85
E988F-CAR	1	10	29/32	6 11/32	5 9/32	1 3/4	2 1/32	12.0	4	$626.97	$545.19
E988G-CAR	1 1/4	5	1 3/32	8	6 13/32	2 1/2	2 3/4	32.0	5	$897.22	$780.19
E988H-CAR	1 1/2	5	1 3/32	8	6 13/32	2 1/2	2 3/4	32.0	5	$1045.48	$909.11
E988J	2	5	1 5/32	9 15/32	8 13/32	3 5/32	3 15/32	63.0	8	$1853.13	$1611.42

Type C





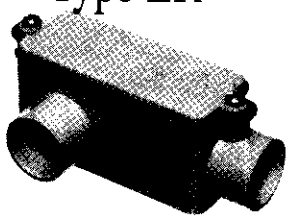
Part No.	Size	Std. Ctn. Qty.	C Typical	Max. L1	L2 Typical	Max. Q	Max. W	Vol. Cu. In.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E987D-CAR	1/2	10	11/16	4 11/16	3 1/2	1 11/32	1 1/2	4.0	2	$403.05	$350.48
E987E-CAR	3/4	10	29/32	6 7/8	5 32/64	1 3/4	2 1/32	12.0	4	$571.38	$496.85
E987F-CAR	1	10	29/32	6 7/8	5 9/32	1 3/4	2 1/32	12.0	4	$626.97	$545.19
E987G-CAR	1 1/4	5	1 3/32	8 21/32	6 13/32	2 1/2	2 3/4	32.0	5	$1111.75	$966.74
E987H-CAR	1 1/2	4	1 3/32	8 21/32	6 13/32	2 1/2	2 3/4	32.0	3	$1045.48	$909.11
E987J	2	15	1 5/32	10 5/16	8 13/32	3 5/32	3 15/32	63.0	24	$1853.13	$1611.42

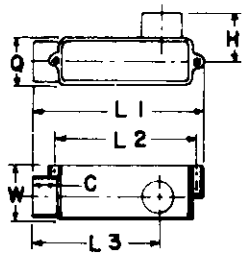
Conduit Bodies

Except where noted by ▶

UL LISTED E42728

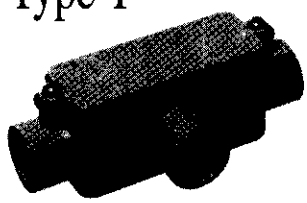
Type LR

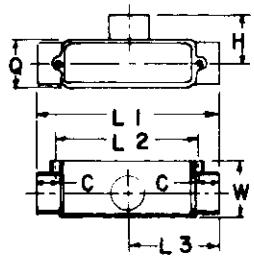




Part No.	Size	Std. Ctn. Qty.	C Typical	Max. L1	L2 Typical	L3 Typical	Max H	Max Q	Max. W	Vol. Cu. In.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E985D-CAR	1/2	10	11/16	4 5/16	3 7/32	3 1/16	1 5/16	1 11/32	1 1/2	4.0	2	$511.19	$444.51
E985E-CAR	3/4	10	29/32	6 9/32	5 9/32	4 25/32	1 25/32	1 3/4	2 1/32	12.0	4	$571.38	$496.85
E985F-CAR	1	10	29/32	6 9/32	5 9/32	4 25/32	1 25/32	1 3/4	2 1/32	12.0	4	$626.97	$545.19
E985G-CAR	1 1/4	5	1 3/32	7 31/32	6 13/32	6	2 5/16	2 1/2	2 3/4	32.0	4.5	$1274.74	$1108.47
E985H-CAR	1 1/2	5	1 3/32	7 31/32	6 13/32	6	2 5/16	2 1/2	2 3/4	32.0	4.5	$1185.49	$1030.86
E985J	2	10	1 5/32	9 9/32	8 13/32	7 1/4	2 9/16	3 5/32	3 15/32	63.0	16	$1818.82	$1581.58

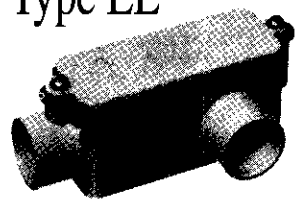
Type T

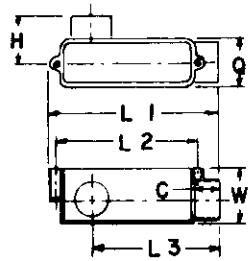




Part No.	Size	Std. Ctn. Qty.	C Typical	Max. L1	L2 Typical	L3 Typical	Max H	Max Q	Max. W	Vol. Cu. In.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E983D-CAR	1/2	10	11/16	4 11/16	3 7/32	2 11/32	1 5/16	1 11/32	1 1/2	4.0	2	$500.18	$434.94
E983E-CAR	3/4	10	29/32	6 7/8	5 9/32	4 7/16	1 25/32	1 3/4	2 1/32	12.0	5	$612.67	$532.76
E983F	1	20	29/32	6 7/8	5 9/32	3 7/16	1 25/32	1 3/4	2 1/32	12.0	8	$630.53	$548.29
E983G	1 1/4	10	1 3/32	8 21/32	6 13/32	4 21/64	2 5/16	2 1/2	2 3/4	32.0	10	$1045.48	$909.11
E983H-CAR	1 1/2	4	1 3/32	8 21/32	6 13/32	4 21/64	2 5/16	2 1/2	2 3/4	32.0	3	$1379.05	$1199.17
E983J	2	10	1 5/32	10 5/16	8 13/32	5 5/32	2 9/16	3 5/32	3 15/16	63.0	16	$1959.77	$1704.15

Type LL





Part No.	Size	Std. Ctn. Qty.	C Typical	Max. L1	L2 Typical	L3 Typical	Max H	Max Q	Max. W	Vol. Cu. In.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E984D-CAR	1/2	10	11/16	4 5/16	3 7/32	3 1/16	1 5/16	1 11/32	1 1/2	4.0	2	$439.92	$382.54
E984E-CAR	3/4	8	2 29/32	6 9/32	5 9/32	4 25/32	1 25/32	1 3/4	2 1/32	12.0	3	$571.38	$496.85
E984F-CAR	1	10	2 29/32	6 9/32	5 9/32	4 25/32	1 25/32	1 3/4	2 1/32	12.0	4	$626.97	$545.19
E984G-CAR	1 1/4	5	1 3/32	7 31/32	6 13/32	6	2 5/16	2 1/2	2 3/4	32.0	4	$897.22	$780.19
E984H-CAR	1 1/2	5	1 3/32	7 31/32	6 13/32	6	2 5/16	2 1/2	2 3/4	32.0	4	$1045.48	$909.11
E984J	2	10	1 5/32	9 9/32	8 13/32	7 1/4	2 9/16	3 5/32	3 15/32	63.0	16	$1818.82	$1581.58

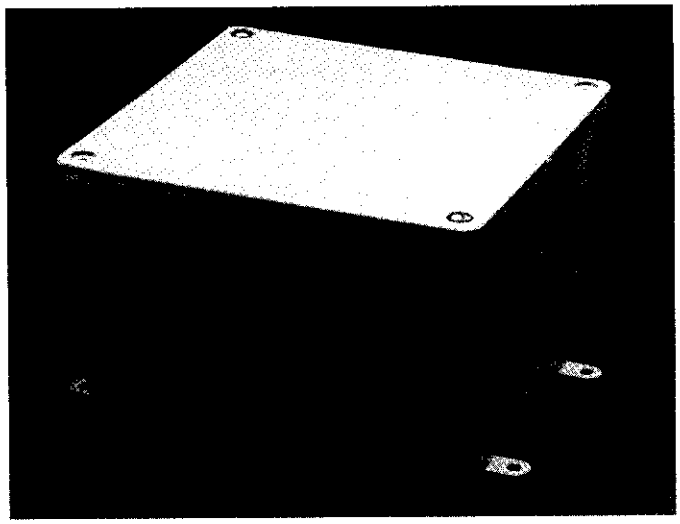
Price Schedule Code 6

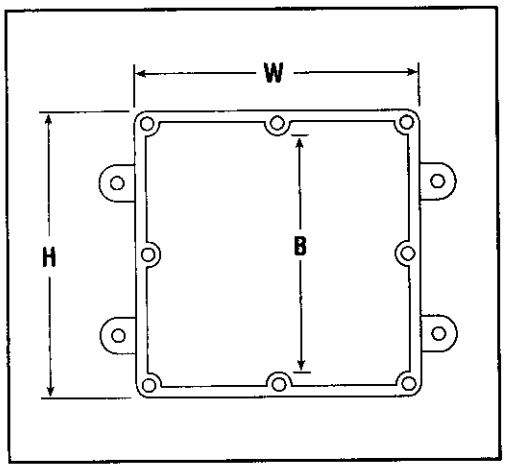
Molded Nonmetallic Junction Boxes 6P Rated

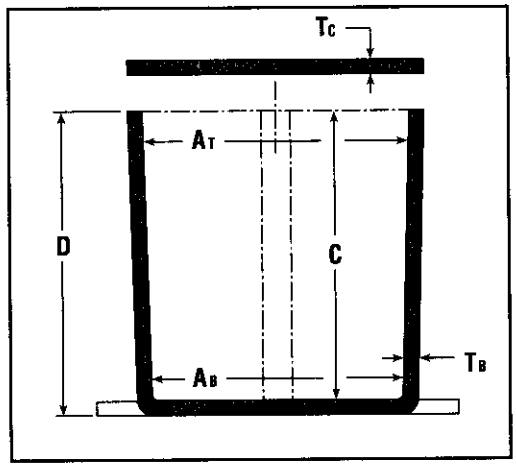
Except where noted by †

LISTED
E42728
E110981

It's another first from Carlon® - the first nonmetallic junction boxes UL Listed with a NEMA 6P rating per Section 370-29, Exception of the 1999 National Electrical Code. Manufactured from PVC or PPO thermoplastic molding compound and featuring gasketed lids attached with stainless steel screws, these rugged enclosures offer all the corrosion resistance and physical properties you need for direct burial applications.







All Carlon Junction Boxes are UL Listed and maintain a minimum of a NEMA Type 4/4x Rating.

Parts numbers with an asterisk (*) are UL Listed and maintain a NEMA Type 6P Rating.

Part No.	Size in Inches H x W x D	Std. Ctn. Qty.	Min AT	Min. AB	Min. B	Min. C	Ta Typical	Tc Typical	Material PVC	Material Thermo-plastic	Std. Ctn. Wt. (Lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E989NNJ-CAR*	4 x 4 x 2	5	3 11/16	3 5/8	N/A	2	.160	.155	X		3	$1332.65	$1158.83
E987N-CAR*	4 x 4 x 4	5	3 11/16	3 1/2	N/A	4	.160	.155	X		4	$2200.59	$1913.56
†E989NNR-CAR*	4 x 4 x 6	4	3 11/16	3 3/8	N/A	6	.160	.200	X		5	2254.93	$1960.81
E989PPJ-CAR*	5 x 5 x 2	4	4 11/16	4 1/2	N/A	2	.110	.150		X	3	$2347.87	$2041.63
E987R-CAR*	6 x 6 x 4	2	6	5 5/8	N/A	4	.190	.190		X	3	$2691.05	$2340.04
E989RRR-UPC*	6 x 6 x 6	8	5 5/8	5 3/8	N/A	6	.160	.150		X	14	$3141.47	$2731.71
E989N-CAR	8 x 8 x 4	1	8	8	N/A	4	.185	.190		X	2	$5071.81	$4410.27
E989SSX-UPC	8 x 8 x 7	2	7 21/32	7 5/16	N/A	7	.160	.150		X	6	$6749.06	$5868.75
E989UUN	12 x 12 x 4	3	11 5/8	11 1/2	11 1/8	4	.160	.150		X	12	$6936.39	$6031.64
E989R-UPC	12 x 12 x 6	2	11 15/16	11 7/8	11 7/16	6	.265	.185		X	10	$7149.44	$6216.90

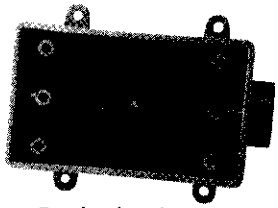
Made in the U.S.A.
www.carlon.com

Price Schedule Code 4

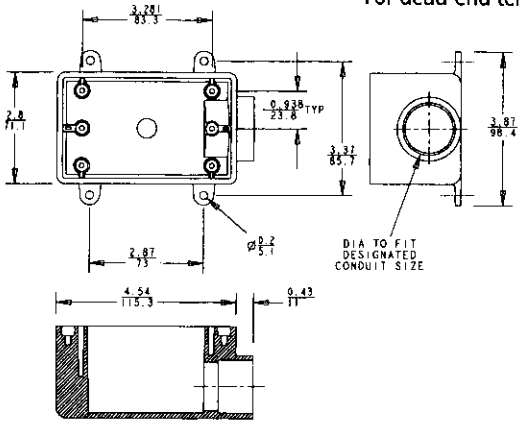
Single Gang FS Boxes

Type FSE

All sizes take standard covers and accessories or devices. Integral mounting feet provide easy mounting.



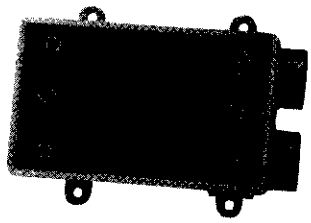
For dead-end terminations.

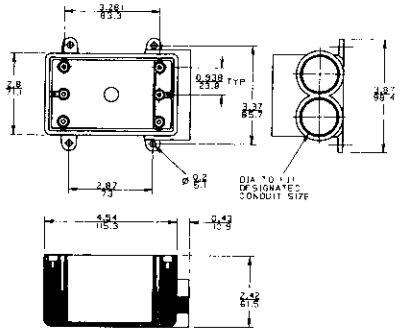


Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E980DFN	1/2	19	10	4	$856.57	$744.84
E980EFN	3/4	19	10	4	$902.66	$784.92
E980FFN-CAR	1	19	10	5	$1000.35	$869.87

Type FSS

All sizes take standard covers and accessories or devices. Detachable mounting feet provide easy mounting.



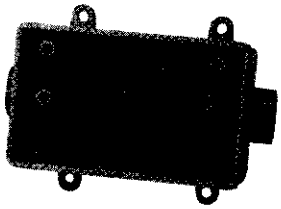


For multiple dead-end circuit terminations or where additional support is required in stub-up applications.

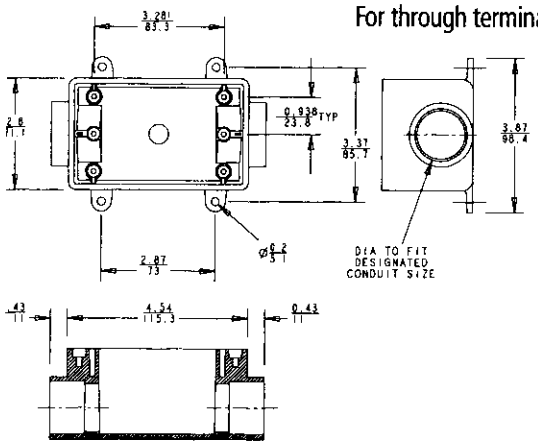
Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E982DFN	1/2	19	10	5	$920.01	$800.01
E982EFN	3/4	19	10	5	$981.48	$853.46
E982FFN-CAR	1	19	8	4	$1114.02	$968.71

Type FSC

All sizes take standard covers and accessories or devices. Detachable mounting feet provide easy mounting.



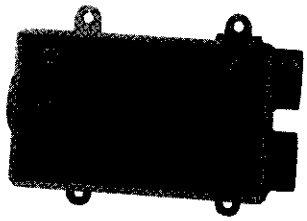
For through terminations.

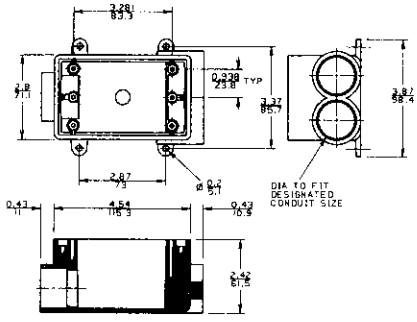


Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E981DFN	1/2	19	15	6	$893.73	$777.16
E981EFN	3/4	19	15	6	$981.48	$853.46
E981FFN-CAR	1	19	10	4	$1114.02	$968.71

Type FSCC

All sizes take standard covers and accessories or devices. Detachable mounting feet provide easy mounting.





For multiple through circuit terminations or where additional support is required in stub-up applications.

Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E979DFN-CAR	1/2	19	10	5	$981.48	$853.46
E979EFN-CAR	3/4	19	10	5	$1114.02	$968.71
E979FFN	1	19	15	7	$1252.41	$1089.05

Made in the U.S.A.
800-3-CARLON (322-7566)

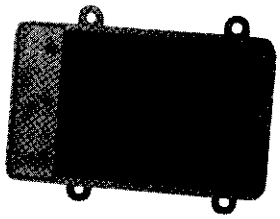
Price Schedule Code 4

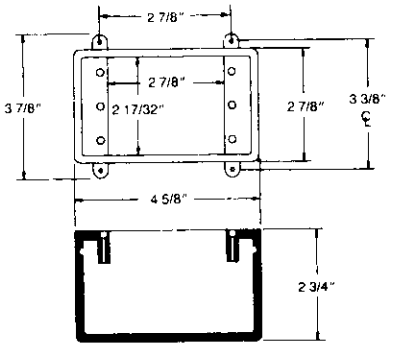
Single Gang FD Deep Device Boxes

UL LISTED E42728

Type FD

All sizes take standard covers and accessories or devices. Integral mounting feet provide easy mounting.



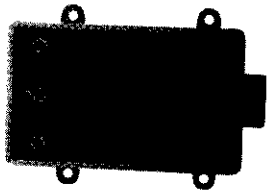


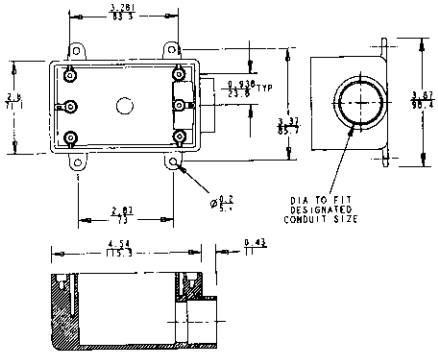
For terminations where hub requirements vary according to application – hubs easily made with flared wood bit or hole saw.

Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9801	N/A	25	10	5	$892.25	$775.87

Type FDE

All sizes take standard covers and accessories or devices. Integral mounting feet provide easy mounting.



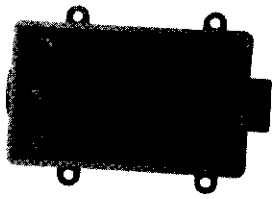


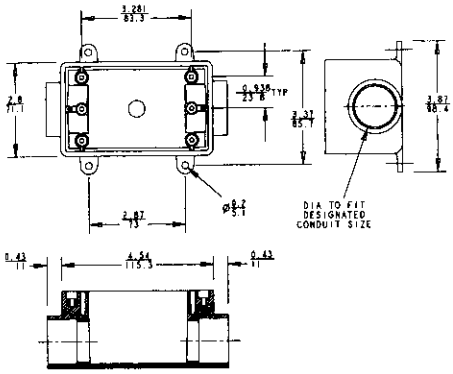
For dead-end terminations where large devices or additional wiring capacity is required.

Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9801DN	1/2	25	10	5	$1021.57	$888.32
E9801EN	3/4	25	10	5	$1055.83	$918.11
E9801FN	1	25	10	5	$1155.12	$1004.45

Type FDC

All sizes take standard covers and accessories or devices. Integral mounting feet provide easy mounting.





For through terminations where large devices or additional wiring capacity is required.

Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9811DN	1/2	25	10	5	$1096.43	$953.42
E9811EN	3/4	25	10	5	$1133.73	$985.85
E9811FN	1	25	10	5	$1213.80	$1055.48

Made in the U.S.A.
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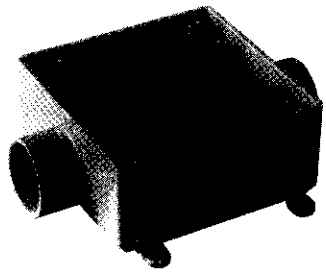
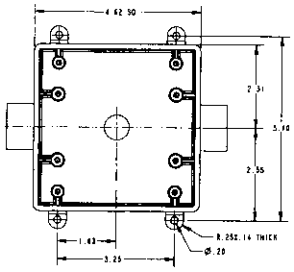
Price Schedule Code 4

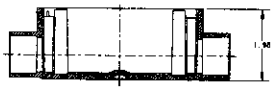
Two Gang FS Boxes

Type 2FSC

All sizes take standard covers and accessories or devices. Integral mounting feet provide easy mounting.





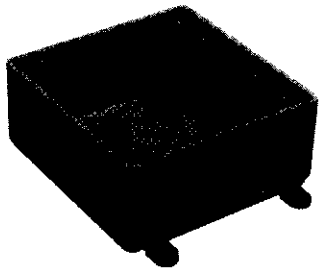


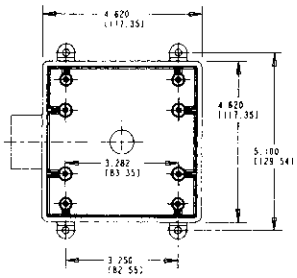
For through terminations where two devices or additional wiring capacity is required.

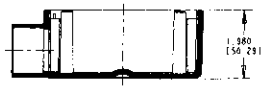
Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9812D	1/2	32	10	5	$1040.84	$905.08
E9812E	3/4	32	10	5	$1076.14	$935.77
E9812F	1	32	10	5	$1155.12	$1004.45

Type FS

All sizes take standard covers and accessories or devices. Integral mounting feet provide easy mounting.







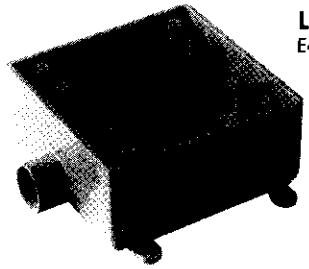
For terminations where hub requirements vary according to application - hubs easily made with flared wood bit or hole saw.

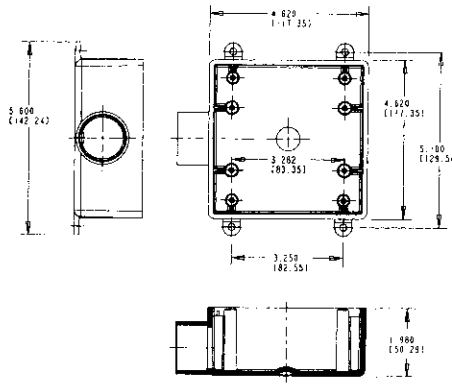
Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9802	N/A	32	10	5	$835.74	$726.73

Type 2FSE

LISTED E42728

All sizes take standard covers and accessories or devices. Integral mounting feet provide easy mounting.



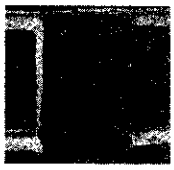


For dead-end terminations where two devices or additional wiring capacity is required.

Part No.	Size	Vol. Cu. In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9802D	1/2	32	10	5	$963.98	$838.24
E9802E	3/4	32	10	5	$1002.29	$871.56
E9802F	1	32	10	5	$1076.14	$935.77

Blank Covers

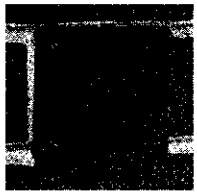
Single Gang



Fits Carlon® single gang FS boxes. Supplied with stainless steel mounting screws and gasket.

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E980CN-CAR	-	12	1.5	$319.72	$278.02

Two Gang

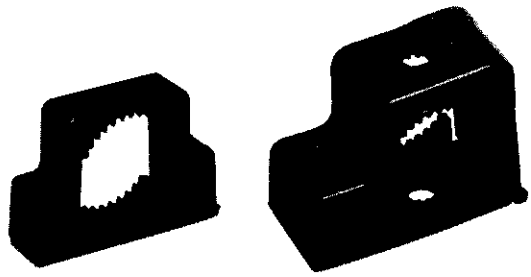


Fits Carlon® two gang FS boxes, other non-metallic and metallic FS boxes. Supplied with stainless steel mounting screws and gasket.

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E9802CN-CAR	-	10	2	$360.73	$313.68

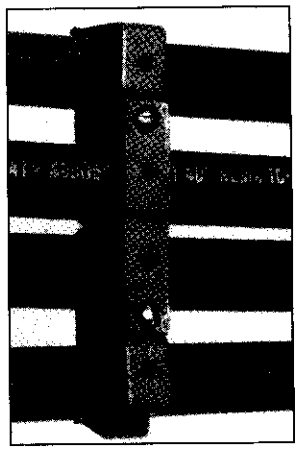
Price Schedule Code 9

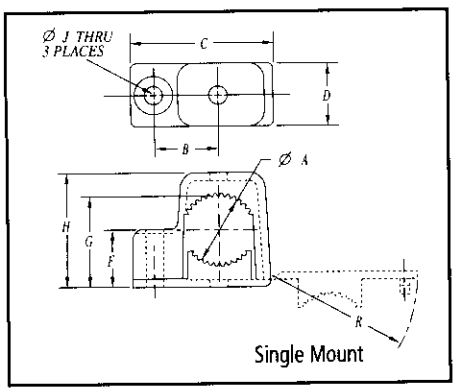
Snap Strap® Conduit Support Straps



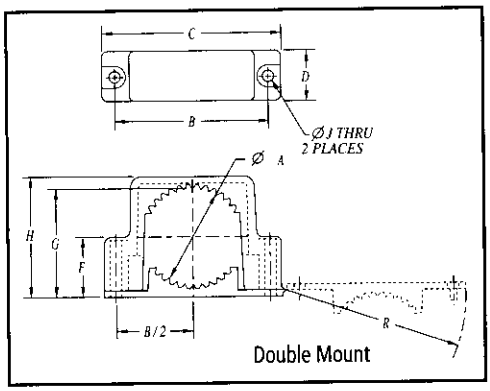
Carlon's Snap Strap® offers a unique support strap designed especially for the installation of PVC conduit. Also usable for installations of rigid steel. This high strength, nonmetallic clamp allows conduit to expand and contract freely, eliminating the bowing commonly seen from the expansion and contraction of conduit caused by varying temperature changes. Finished installations have a neat, attractive appearance on exposed applications.

To be used in accordance with conduit spacing requirements per 99 NEC, Article 347-8. This part is not supplied with screws.





Single Mount



Double Mount

Single Mount (Indoor Use Only)

Part No.	Size: inches (mm)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	A	B	C	D	F	G	H	J	R	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E978DC-CAR	1/2" (16)	40	.55	0.80 (20.3)	.75 (1.90)	1.63 (41.4)	0.75 (19.1)	.59 (14.9)	.99 (25.1)	1.36 (34.5)	.21 (5.33)	1.67 (42.4)	$72.67	$63.19
E978EC-CAR	3/4" (21)	40	3	1.00 (25.4)	.88 (22.4)	1.92 (48.7)	0.75 (19.1)	.70 (17.8)	1.20 (30.4)	1.57 (39.9)	.21 (5.33)	1.96 (49.8)	$74.83	$65.07
E978FC-CAR	1" (27)	30	4	1.20 (30.5)	1.02 (25.9)	2.17 (55.1)	0.75 (19.1)	.83 (21.1)	1.43 (36.3)	1.84 (46.7)	.21 (5.33)	2.22 (56.3)	$77.53	$67.42

Double Mount (Indoor Use Only)

Part No.	Size: inches (mm)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	A	B	C	D	F	G	H	J	R	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E978GC-CAR	1 1/4" (35)	15	4	1.66 (42.16)	2.75 (69.9)	3.23 (82.0)	1.00 (25.4)	.95 (24.1)	1.78 (45.2)	2.15 (54.61)	.218 (5.54)	3.28 (83.3)	$ 97.35	$84.65
E978HC-CAR	1 1/2" (41)	15	5	1.92 (48.77)	3.05 (77.5)	3.53 (89.7)	1.00 (25.4)	1.08 (27.4)	2.04 (51.8)	2.40 (60.96)	.218 (5.54)	3.58 (90.9)	$103.89	$90.34
E978JC-CAR	2" (53)	10	5	2.34 (59.44)	3.50 (88.9)	4.00 (101.6)	1.00 (25.4)	1.31 (33.3)	2.48 (63.0)	2.86 (72.64)	.218 (5.54)	4.06 (103.1)	$114.84	$99.86

Made in the U.S.A.
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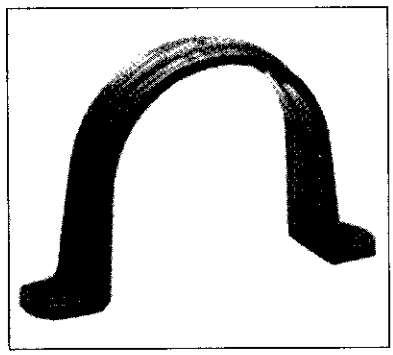
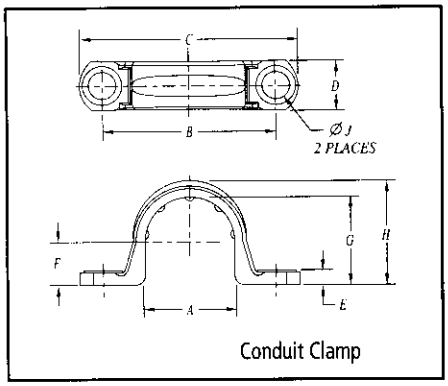
Price Schedule Code 9

Nonmetallic Clamps



Nonmetallic clamps offer the same chemical resistance as Carlon nonmetallic conduits for a complete, corrosion resistant system.

To be used in accordance with conduit spacing requirements per 99 NEC, Article 347-8.



Conduit Clamp

Conduit Clamps

Part No.	Size: inches (mm)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	A	B	C	D	E	F	G	H	J	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E977DC	1/2" (16)	100	1.2	0.892 (22.6)	2.16 (54.8)	1.71 (43.4)	0.50 (12.7)	.14 (3.5)	.42 (10.6)	.866 (21.9)	1.04 (26.4)	.260 (6.6)	$26.59	$23.12
E977EC	3/4" (21)	100	1.4	1.102 (27.9)	2.40 (60.9)	1.97 (50.0)	0.50 (12.7)	.14 (3.5)	.525 (13.3)	1.076 (27.3)	1.255 (31.8)	.260 (6.6)	$31.99	$27.82
E977FC	1" (27)	100	2	1.39 (35.3)	2.81 (71.3)	2.25 (57.1)	0.594 (15.0)	.14 (3.5)	.658 (16.7)	1.342 (34.0)	1.574 (39.9)	.260 (6.6)	$52.28	$48.94
E977GC	1 1/4" (35)	50	5	1.714 (43.5)	3.28 (83.3)	2.68 (68.0)	.64 (16.2)	.15 (3.8)	.83 (21.0)	1.687 (42.8)	1.89 (48.0)	.320 (8.1)	$65.19	$56.69
E977HC	1 1/2" (41)	50	6	1.92 (48.7)	3.44 (87.3)	2.82 (71.6)	.70 (17.7)	.15 (3.8)	.97 (24.6)	1.93 (49.0)	2.12 (53.8)	.312 (7.9)	$66.92	$58.19
E977JC	2" (53)	25	4.5	2.54 (64.5)	4.18 (106.1)	3.54 (89.9)	.76 (19.3)	.16 (4.0)	1.05 (26.6)	2.29 (58.1)	2.49 (63.2)	.315 (8.0)	$83.39	$72.51

*Note: Each clamp requires 2 screws, 2 nuts and 2 washers.

Typical Properties of Conduit Raw Material Compound

Thermal

	ASTM Test	Typical Values
Co-efficient of Thermal Expansion-inch/inch/°F (properties @ 73.4°F)	D696	3.38×10^{-5}
Heat Distortion °F at 264 psi	D648	160°F
Thermal Conductivity BTU (hr.) (ft.) (°F/in.)	N/A	1.3

Mechanical

	ASTM Test	Typical Values
Specific Gravity	D792	1.43 - 1.6
Tensile Strength (psi) @ 73.4°F	D638	5,000-6,500
Izod Impact ft lbs./in. of notch	D256	0.65 - 1.5
Flexural Strength (psi)	D790	12,500
Compressive Strength (psi)	D695	9,000
Hardness (Durometer D)	D2240	85

Electrical

	ASTM Test	Typical Values
Dielectrical Strength volts/mil	D149	1100
Dielectric Constant 60 CPS @ 30°C	D150	4.00
Power Factor 60 CPS @ 30°C	D150	1.93

Impedance (Volts lost per ampere per 100 feet)

	3∅ 90% P.F.	80% P.F.	1∅ 90% P.F.	80% P.F.
Steel Conduit	.0118	.0123	.0136	.0142
Plus 40®	.0105	.0106	.0121	.0122

Using 250 KCmil Cu. conductor. comparable values for other conductor sizes.

Wire Fill

Maximum number of conductors in Schedule 40 PVC conduit

Table 3A and Table 3B (Based on Table 1, Chapter 9 of the NEC)

Type Letters	Conductor Size AWG, MCM	Conduit Trade Size (inches) ½	¾	1	1¼	1½	2	2½	3	3½	4	4¼	5	6	8
THWN	14	13	24	39	69	94	154								
	12	10	18	29	51	79	114	164							
	10	6	11	18	32	44	73	194	160						
	8	3	5	9	19	22	36	51	71	106	136				
	6	1	4	6	11	15	26	37	57	76	98	125	154		
THHN	4	1	2	4	7	9	16	22	35	47	60	75	94	137	236
FEP	3	1	1	3	6	8	13	19	29	39	51	64	90	116	201
(14 thru 2)	2	1	1	3	5	7	11	16	25	33	43	54	67	97	169
FEPB	1		1	1	3	5	9	12	18	25	32	49	59	72	125
(14 thru 8)	1/0		1	1	3	4	7	10	15	21	27	33	42	61	105
PFA	2/0		1	1	2	3	6	8	13	17	22	28	35	51	88
(14 thru 4/0)	3/0		1	1	1	3	5	7	11	14	18	23	29	42	73
PFAH	4/0		1	1	1	2	4	6	9	12	15	19	24	35	61
(14 thru 4/0)	250			1	1	1	3	4	7	10	12	16	20	28	49
	300			1	1	1	3	4	6	8	11	13	17	24	42
Z	350			1	1	1	2	3	5	7	9	12	15	21	37
(14 thru 4/0)	400				1	1	1	3	5	6	8	10	13	19	33
XHHW	500				1	1	1	2	4	5	7	9	11	16	27
(4 thru	600				1	1	1	1	3	4	5	7	9	13	22
500MCM)	700					1	1	1	3	4	5	6	8	11	19
	750					1	1	1	2	3	4	6	7	11	19
	6	1	3	5	9	13	21	30	47	63	81	102	128	185	320
	600				1	1	1	1	3	4	5	7	9	13	22
XHHW	700					1	1	1	3	4	5	6	7	11	19
	750					1	1	1	2	3	4	6	7	10	18

Maximum number of conductors in Schedule 80 PVC conduit

(Based on Table 1, Chapter 9 of the NEC)

Conductor Size AWG, MCM		Conduit Trade Size (inches) ½	¾	1	1¼	1½	2	2½	3	4	5
# 14	THW	4	8	13	24	34	57	82	128		
	THHN	10	19	33	58	81	135	194	0		
12	THW	3	6	11	20	28	47	67	105	183	
	THHN	8	14	24	43	60	100	144	0		
10	THW	3	5	9	16	22	37	54	85	148	
	THHN	5	9	15	27	38	64	92	143		
8	THW	1	2	4	8	11	19	28	44	77	121
	THHN	1	4	7	13	18	31	45	70	123	195
6	THW	1	1	3	6	8	14	20	32	56	88
	THHN	1	3	5	9	13	22	32	50	88	140
4	THW	0	1	2	4	6	10	15	24	42	66
	THHN	1	1	3	6	8	13	20	31	54	86
3	THW	0	1	1	4	5	9	13	20	36	57
	THHN	1	1	2	5	7	11	17	26	46	73
2	THW	0	1	1	3	4	8	11	17	31	49
	THHN	1	1	1	4	5	9	14	22	38	61
1	THW	0	1	1	1	3	5	8	13	22	35
	THHN	0	1	1	3	4	7	10	16	28	45
0	THW	0	0	1	1	2	4	7	11	19	30
	THHN	0	1	1	2	3	6	8	13	24	38
00	THW	0	0	1	1	1	4	6	9	16	26
	THHN	0	1	1	1	3	5	7	11	20	32
000	THW	0	0	1	1	1	3	5	8	14	22
	THHN	0	0	1	1	2	4	6	9	16	26
0000	THW	0	0	1	1	1	3	4	6	11	18
	THHN	0	0	1	1	1	3	5	8	14	22
250	THW	0	0	0	1	1	1	3	5	9	14
	THHN	0	0	0	1	1	2	4	6	11	18
300	ThW	0	0	0	1	1	1	3	4	8	13
	THHN	0	0	0	1	1	1	3	5	9	15
350	THW	0	0	0	1	1	1	2	4	7	11
	THHN	0	0	0	1	1	1	3	4	8	13
400	THW	0	0	0	0	1	1	1	3	6	10
	THHN	0	0	0	1	1	1	2	4	7	12
500	THW	0	0	0	0	1	1	1	3	5	8
	THHN	0	0	0	0	1	1	1	3	6	10
600	THW	0	0	0	0	0	1	1	1	4	7
	THHN	0	0	0	0	1	1	1	3	5	8
700	THW	0	0	0	0	0	1	1	1	3	6

Weight Comparison

Carlon Plus 40® rigid nonmetallic conduit compared to other rigid conduit in pounds per 100 feet (approx.)

Nom. Size	Carlon Plus 40® Rigid Nonmetallic Conduit	Carlon Plus 80® Rigid Nonmetallic Conduit	Aluminum	Electrical Metallic Tubing (EMT)	Intermediate Metal Conduit (IMC)	Rigid Steel (GALV)
½	18	22	27	30	57	79
¾	23	29	36	46	78	105
1	35	43	53	66	112	153
1¼	48	60	70	96	114	201
1½	57	72	86	112	176	246
2	76	100	116	142	230	334
2½	125	153	183	230	393	527
3	164	212	239	270	483	690
3½	198		288	350	561	831
4	234	310	340	400	625	982
5	317	431	465	Not Made	Not Made	1344
6	412	592	612	Not Made	Not Made	1770

Made in the U.S.A.
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Expansion and Contraction

Temperature Considerations for Rigid Nonmetallic Conduit Compensation for Linear Expansion

Like all construction materials, PVC will expand or contract with variations in temperatures. The coefficient of linear expansion in PVC conduit is 3.38 x 10^{-5} in./in./°F as compared to 1.2 x 10^{-5} for aluminum and 0.6 x 10^{-5} for steel. An expansion coupling is needed whenever the change in length due to temperature variation will exceed 1/2 in.

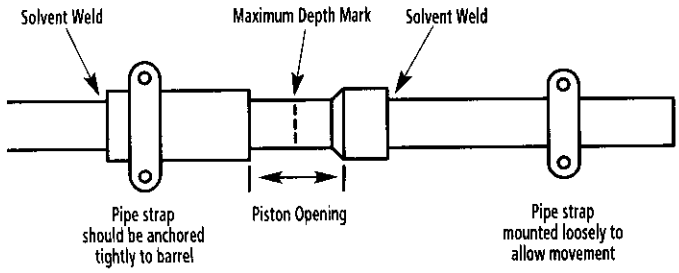
Add 30°F to the estimated temperature range when conduit is installed in direct sunlight to allow for radiant heating.

An expansion coupling consists of two sections of conduit, one telescoping inside another. When installing expansion couplings, alignment of piston and barrel is important. Be sure to mount expansion joint level for best performance.

For a vertical run, the expansion coupling must be installed close to the top of the run with the barrel jointing down, in order that rain water does not run into the opening. The lower end of the conduit run must be secured at the bottom so that any length change due to temperature variation will result in an upward movement.

Expansion Characteristics of PVC Rigid Nonmetallic Conduit
Coefficient of Thermal Expansion = 3.38 x 10^{-5} in./in./°F

Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit
5	0.2	55	2.2	105	4.2	155	6.3
10	0.4	60	2.4	110	4.5	160	6.5
15	0.6	65	2.6	115	4.7	165	6.7
20	0.8	70	2.8	120	4.9	170	6.9
25	1.0	75	3.0	125	5.1	175	7.1
30	1.2	80	3.2	130	5.3	180	7.3
35	1.4	85	3.4	135	5.5	185	7.5
40	1.6	90	3.6	140	5.7	190	7.7
45	1.8	95	3.8	145	5.9	195	7.9
50	2.0	100	4.1	150	6.1	200	8.1



Determine the Piston Opening

The expansion joint must be installed to allow both expansion and contraction of the conduit run. The correct piston opening for any installation condition should use the following formula:

$$O = \left[\frac{T\ max - T\ installed}{\Delta T}\right] E$$

Where:

O	=	Piston opening (in.)
T max	=	Maximum anticipated temperature of conduit (°F)
T inst.	=	Temperature of conduit at time of installation (°F)
ΔT	=	Total change in temperature of conduit (°F)
E	=	Expansion allowance built into each expansion coupling (in.)

Example

380 ft. of conduit is to be installed on the outside of a building exposed to the sun in a single straight run. It is expected that the conduit will vary in temperature from 0°F in the winter to 140°F in the summer (this includes the 30°F for radiant heating from the sun.) The installation is to be made at a conduit temperature of 90°F. From the table, a 140°F temperature change will cause a 5.7 in. length change in 100 ft. of conduit. The total change for this example is 5.7" x 3.8 = 21.67" which should be rounded to 22". The number of expansion couplings will be 22" ÷ coupling range (6" for E945, 2" for E955.) If the E945 coupling is used, the number will be 22" ÷ 6 = 3.67 which should be rounded to 4. The coupling should be placed at 95 ft. intervals (380 ÷ 4). the proper piston setting at the time of installation is calculated as explained above.

$$O = \left[\frac{140 - 190}{140}\right] 6.0 = 2.1\ \text{in.}$$

Insert the piston into the barrel to the maximum depth. Place a mark on the piston at the end of the barrel. To properly set the piston, pull the piston out of the barrel to correspond to the 2.1 in. calculated above. See drawing at lower left.

Summary

1. Anticipate expansion and contraction of PVC conduit in aboveground, exposed installation.
2. Use an expansion coupling when length change due to temperature variation will exceed 1/4".
3. PVC conduit expands 4.1" for each 100 feet of run and a 100°F temperature change.
4. Align expansion coupling with the conduit run to prevent binding.
5. Follow the instructions to set the piston opening.
6. Rigidly fix the outer barrel of the expansion coupling so it cannot move. Mount the conduit connected to the piston loosely enough to allow the conduit to move as the temperature changes.

Corrosion Resistance of Carlon Plus 40® and Plus 80® Conduit and Fittings

Carlon Plus 40® and Plus 80® are generally acceptable for use in environments containing the chemicals below. These environmental resistance ratings are based upon tests where the specimens were placed in complete submergence in the reagent listed. Plus 40® and Plus 80® can be used in many process areas where chemicals not on this list are manufactured or used because worker safety requirements dictate that any air presence or splashing be at a very low level.

If there are any questions for specific suitability in a given environment, prototype samples should be tested under actual conditions.

Acetic Acid 0-20%
Acetic Acid 20-30%
Acetic Acid 30-60%
Acetic Acid 80%
Acetic Acid – Glacial
Acetic Acid Vapors
Acetylene
Adipic Acid
Alum
Aluminum Chloride
Aluminum Fluoride
Aluminum Hydroxide
Aluminum Oxychloride
Aluminum Nitrate
Aluminum Sulfate
Ammonia-Dry Gas
Ammonium Bifluoride
Ammonium Carbonate
Ammonium Chloride
Ammonium Hydroxide 28%
Ammonium Metaphosphate
Ammonium Nitrate
Ammonium Persulfate
Ammonium Phosphate – Neutral
Ammonium Sulfate
Ammonium Sulfide
Ammonium Thiocyanate
Amyl Alcohol
Anthraquinone
Anthraquinonesulfonic Acid
Antimony Trichloride
Aqua Regia
Arsenic Acid 80%
Arylsulfonic Acid
Barium Carbonate
Barium Chloride
Barium Hydroxide
Barium Sulfate
Barium Sulfide
Beet – Sugar Liquor
Benzine Sulfonic Acid 10%
Benzoic Acid
Bismuth Carbonate
Black Liquor (Paper Industry)
Bleach – 12.5% Active CL_2
Borax
Boric Acid
Brine
Breeder Pellets – Dane. Fish
Bromic Acid
Bromine – Water
Butane
Butadiene
Butyl Alcohol
Butyl Phenol
Butylene
Butyric Acid
Calcium Bisulfite
Calcium Carbonate
Calcium Chlorate
Calcium Chloride
Calcium Hydroxide
Calcium Hypochlorite
Calcium Nitrate
Calcium Sulfate
Carbonic Acid
Carbon Dioxide Gas – Wet
Carbon Dioxide – Aqueous Solution
Carbon Monoxide
Caustic Potash
Caustic Soda
Chloracatic Acid
Chloral Hydrate
Chlorine Gas (Dry)
Chlorine Gas (Moist)
Chlorine Water
Chlorosulfonic Acid
Chrome Alum
Chromic Acid 10%
Chromic Acid 30%
Chromic Acid 40%
Chromic Acid 50%
Citric Acid
Copper Chloride
Copper Cyanide
Copper Fluoride
Copper Nitrate
Copper Sulfate
Cottonseed Oil
Cresylic Acid 50%
Crude Oil – Sour
Crude Oil – Sweet
Demineralized Water
Dextrin
Dextrose
Diglycolic Acid
Disodium Phosphate
Ethyl Alcohol
Ethylene Glycol
Fatty Acids
Ferric Chloride
Ferric Nitrate
Ferric Sulfate
Ferrous Chloride
Ferrous Sulfate
Fluorine Gas – Wet
Fluorine Gas – Dry
Fluoroboric Acid
Fluorosilicic Acid
Formaldehyde
Formic Acid
Fructose
Gallic Acid
Gas – Coke Oven
Gas – Natural (Dry)
Gas – Natural (Wet)
Gasoline – Sour
Gasoline – Refined
Glucose
Glycerine (Glycerol)
Glycol
Glycolic Acid
Green Liquor (Paper Industry)
Heptane
Hexanol, Tertiary
Hydrobromic Acid 20%
Hydrochloric Acid 0% - 25%
Hydrochloric Acid 25% - 40%
Hydrocyanic Acid or Hydrogen Cyanide
Hydrofluoric Acid 10%
Hydrofluorosilicic Acid
Hydrogen Phosphide
Hydrogen Sulfide – Dry
Hydrogen Sulfide – Aqueous Solution
Hydroquinone
Hydroxylamine Sulfate
Iodine
Kerosene
Lactic Acid 28%
Lauric Acid
Lauryl Chloride
Lauryl Sulfate
Lead Acetate
Lime Sulfur
Linoleic Acid
Linseed Oil
Lubricating Oils
Magnesium Carbonate
Magnesium Chloride
Magnesium Hydroxide
Magnesium Nitrate
Magnesium Sulfate
Maleic Acid
Malic Acid
Mercuric Chloride
Mercuric Cyanide
Mercurous Nitrate
Mercury
Methyl Sulfate
Methylene Chloride
Mineral Oils
Naphthalene
Nickel Chloride
Nickel Nitrate
Nitric Acid, Anydrous
Nitric Acid 20%
Nitric Acid 40%
Nitric Acid 60%
Nitrobenzene
Nitrous Oxide
Oils and Fats
Oils – Petroleum – (See Type)
Oleic Acid
Oxalic Acid
Palmitic Acid 10%
Perchloric Acid 10%
Phenylhydrazine Hydrochloride
Phosgene, Gas
Phosphoric Acid – 0-25%
Phosphoric Acid – 25-50%
Phosphoric Acid – 50-85%
Photographic Chemicals
Plating Solutions
Potassium Bicarbonate
Potassium Bichromate
Potassium Borate
Potassium Bromide
Potassium Carbonate
Potassium Chloride
Potassium Chromate
Potassium Cyanide
Potassium Dichromate
Potassium Ferricyanide
Potassium Ferrocyanide
Potassium Fluoride
Potassium Hydroxide
Potassium Nitrate
Potassium Perborate
Potassium Perchlorite
Potassium Permanganate 10%
Potassium Persulfate
Potassium Sulfate
Propane
Propyl Aicohol
Silicic Acid
Silver Cyanide
Silver Nitrate
Silver Plating Solutions
Sodium Acetate
Sodium Arsenite
Sodium Benzoate
Sodium Bicarbonate
Sodium Bisulfate
Sodium Bisulfite
Sodium Bromide
Sodium Chlorate
Sodium Chloride
Sodium Cyanide
Sodium Dichromate
Sodium Ferricyanide
Sodium Ferrocyanide
Sodium Fluoride
Sodium Hydroxide
Sodium Hypochlorite
Sodium Nitrate
Sodium Nitrite
Sodium Sulfate
Sodium Sulfide
Sodium Sulfite
Sodium Thiosulfate (Hypo)
Stannic Chloride
Stannous Chloride
Stearic Acid
Sulfur
Sulfur Dioxide – Gas Dry
Sulfur Trioxide
Sulfuric Acid – 0-10%
Sulfuric Acid – 10-75%
Sulfuric Acid – 75-90%
Sulfurous Acid
Tannic Acid
Tanning Liquors
Tartaric Acid
Titanium Tetrachloride
Triethanolamine
Trimethyl Propane
Trisodium Phosphate
Turpentine
Urea
Vinegar
Whiskey
White Liquor (Paper Industry)
Wines
Zinc Chloride
Zinc Chromate
Zinc Cyanide
Zinc Nitrate
Zinc Sulfate

Suggested Format for Specifying Carlon Nonmetallic Conduit, Conduit Fittings and Junction Boxes

A. The Carlon rigid nonmetallic conduit system shall be installed as indicated on the drawings and as specified herein.

B. All wiring shall be installed in Carlon rigid nonmetallic conduit. All conduit shall be secured by means of proper fittings. All fittings shall be Carlon.

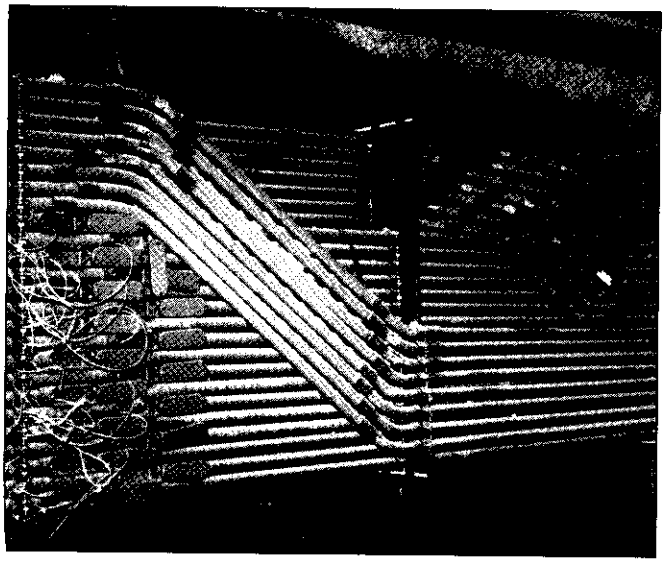
C. Carlon outlet boxes, fittings and junction boxes shall be used for all outlets, pull boxes and junction points. (Lighting fixtures shall not be supported or hung from PVC junction boxes but be supported in position by other means.)

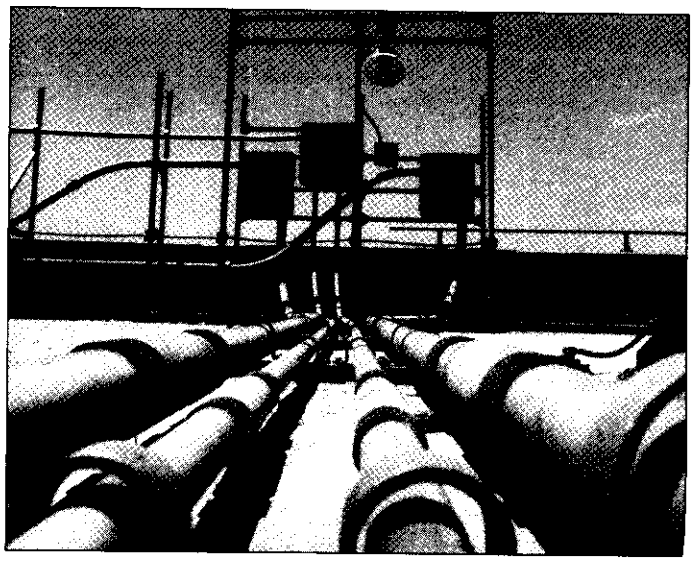
D. Exposed conduits shall be mounted securely by suitable hangers or straps with the maximum spacing of points of supports not greater than indicated by Article 347-8 Supporting of Conduit NEC.

E. Except where embedded in concrete or direct buried, Carlon conduit shall be supported to permit adequate lineal movement to allow for expansion and contraction of conduit due to temperature change.

F. For aboveground installations where temperature change in excess of 14°C (25°F) is anticipated, expansion joints shall be installed. See Table 347-9(A) NEC for expansion characteristics.

G. Proper care shall be taken when field bending is employed to maintain the internal diameter and wall thickness of the conduit.



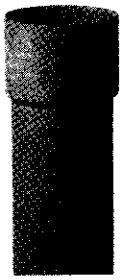


Heavy Wall Rigid Schedule 40 Utility Conduit

Non-UL Listed

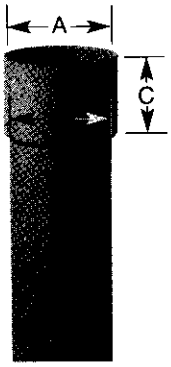
- Rated for 90°C conductors or cable
- For direct earth burial and concrete encasement, specifically designed for the power utility specifications.

With Integral Bell*



*Limited geographical area

Part No. 20'	Part No. 10'	Std. Crate Qty. 10'	Std. Crate Qty. 20'	Nom. Size	Dimensions O.D.	Dimensions I.D.	Wall	Wt. Per 100'	Std. Crate Wt. (lbs.) 20'/10'	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
59610-020	59610-010	2250'	4500'	1/2"	1.900	1.610	.145	56	2497.50/1248.75	$140.52	$122.19
59611-020	59611-010	1400'	2800'	2"	2.375	2.067	.154	75	2111.20/1055.60	$184.09	$160.08
59611X-020	59611X-010	1400'	2800'	2"	2.125	1.817	.154	79	2111/1056	$184.09	$160.08
59612-020	59612-010	930'	1860'	2 1/2"	2.875	2.469	.203	124	2304.54/1152.27	$295.56	$257.01
59613-020	59613-010	880'	1760'	3"	3.500	3.068	.216	172	3030.16/1510.08	$351.28	$305.46
59615-020	59615-010	570'	1140'	4"	4.500	4.026	.237	244	2786.16/1393.08	$493.10	$428.78
59616-020	59616-010	380'	760'	5"	5.563	5.047	.258	331	2516.36/1258.18	$716.04	$622.64
59617-020	59617-010	260'	520'	6"	6.625	6.065	.280	430	2235.48/1117.74	$945.81	$822.44
59618-020	59618-010	150'	300'	8"	8.625	7.981	.322	647	1859.10/970.35	$2018.07	$1754.84

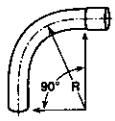


Dimensions in Inches of Utility Conduit Integral Bells

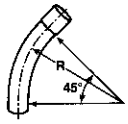
Trade Size	A At Entrance Maximum	A At Entrance Minimum	B At Bottom Maximum	B At Bottom Minimum	C Socket Depth Maximum	C Socket Depth Minimum
1 1/2	1.926	1.916	1.911	1.901	2 3/4	2 1/2
2	2.405	2.395	2.386	2.376	2 1/4	2
2 1/2	2.911	2.901	2.887	2.877	3 1/8	2 7/8
3	3.543	3.533	3.513	3.503	3 1/8	2 7/8
4	4.549	4.539	4.514	4.504	3 3/4	3 1/2
5	5.619	5.609	5.578	5.568	4 1/4	4
6	6.692	6.682	6.641	6.631	5 1/4	5
8	8.692	8.682	8.614	8.631	6 1/4	6

Deep Socket Schedule 40 Utility Elbows with Integral Belled Ends

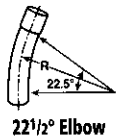
Segment	Part No.	Nom. Diam.	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Elbow	UC9BHB	1 1/2"	12"	20	25	$30.05	$26.13
	UC9DHB	1 1/2"	24"	1	2.13	$17.61	$15.31
	UC9FHB	1 1/2"	36"	1	3.05	$17.88	$15.55
	UC9BJB	2"	12"	1	1.44	$23.86	$20.75
	UC9DJB	2"	24"	1	2.82	$25.14	$21.86
	UC9FJB	2"	36"	1	4.14	$35.75	$31.09
	UC9HJB	2"	48"	1	5.15	$55.27	$48.06
	UC9DKB	2 1/2"	24"	1	5.00	$22.16	$19.27
	UC9FKB	2 1/2"	36"	1	7.15	$30.03	$26.11
	UC9DLB	3"	24"	1	6.57	$41.78	$36.33
	UC9FLB	3"	36"	1	9.15	$59.43	$51.68
	UC9DNB	4"	24"	1	10.59	$70.37	$61.19
	UC9FNB	4"	36"	1	13.64	$41.47	$36.06
	UC9HNB	4"	48"	1	17.72	$116.22	$101.06
	UC9FRB	6"	36"	1	25.80	$188.37	$163.80
	UC9HRB	6"	48"	1	32.24	$234.04	$203.51



90° Elbow



45° Elbow



22 1/2° Elbow

Segment	Part No.	Nom. Diam.	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
45° Elbow	UC7FHB	1 1/2"	36"	1	1.74	$ 42.19	$ 36.69
	UC7FJB	2"	36"	1	2.07	$ 20.82	$ 18.10
	UC7CKB	2 1/2"	18"	1	2.27	$ 30.29	$ 26.34
	UC7FKB	2 1/2"	36"	1	4.12	$ 41.26	$ 35.88
	UC7FLB	3"	36"	1	5.00	$ 38.09	$ 33.12
	UC7FNB	4"	36"	1	8.15	$ 62.42	$ 54.28
	UC7HRB	6"	48"	1	17.19	$162.93	$141.68
22 1/2° Elbow	UC5CKB	2 1/2"	18"	1	1.44	$ 32.67	$ 28.41
	UC5FKB	2 1/2"	36"	1	2.49	$ 40.63	$ 35.33
	UC5FNB	4"	36"	1	5.30	$ 61.26	$ 53.27
	UC5FRB	6"	36"	1	11.82	$149.29	$129.82

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Made in the U.S.A.
www.carlon.com

P&C® Duct

Carlon® PVC P&C® Duct and fittings are designed and formulated specifically for concrete encased and direct burial applications of power utility primaries, secondaries, street lighting and distribution systems. Carlon P&C® Duct complies with NEMA Standard TC-6 & 8, and ASTM F-512 for utility duct. Both EB and DB duct are rated for use with 90°C conductors.

Carlon® Telephone Duct complies with NEMA TC-10. Bellcore CAO 8546, GT8343, and other applicable telephone standards.

Advantages:

- Manufactured for high modulus C-250 compound
- High impact strength
- Excellent structural strength
- Superior load bearing
- Multiple duct banks can be pre-assembled and lowered into trench
- No special cutting or tapering devices required
- Provides easy bending around obstructions minimizing the need for special angle couplings and sweeps
- Superior aging and weathering characteristics

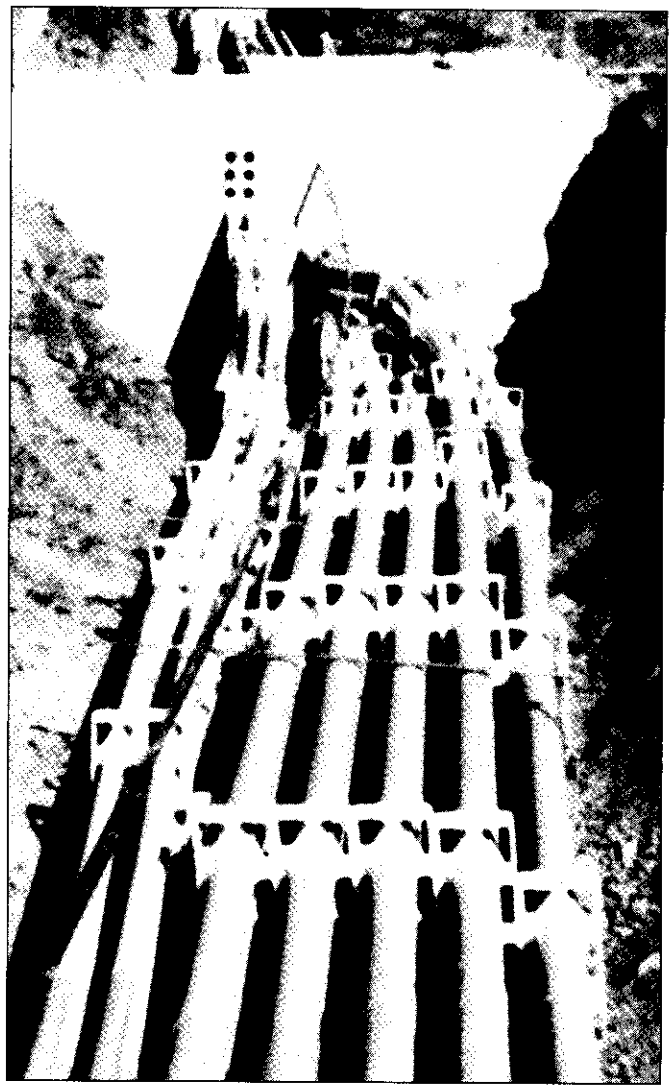
Features:

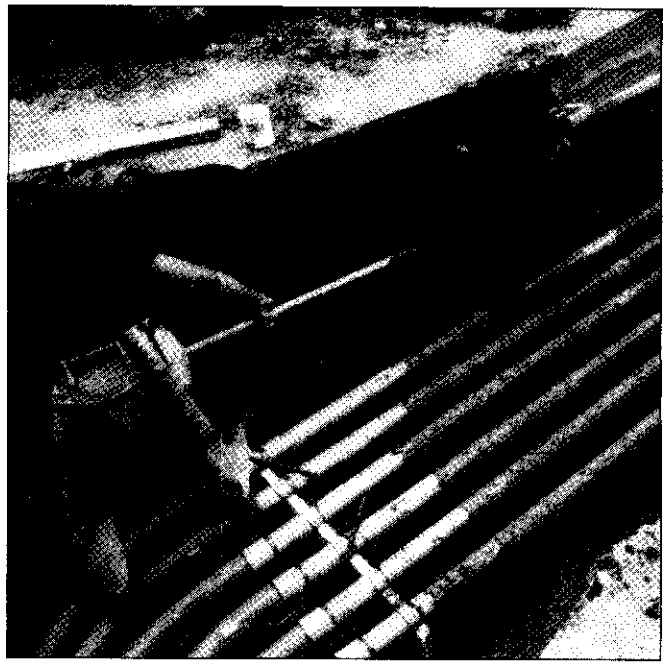
- Heat resistant
- Fire resistant
- Conforms to NEMA Standard TC-6 & 8 and ASTM Standard F-512 for utility duct*
- Carlon P&C® Duct Type EB-20 is ETL Listed
- Low coefficient of expansion
- Continuous rigid control
- Smooth inner wall and smooth transition between joints

Engineering Features:

Chemical Inertness resists water absorption and is totally immune to galvanic or electrolytic attacks.

Solvent Cemented Joints provide leakproof duct runs tested at 25 psi. This type of joint eliminates the need for costly mechanical rodding procedure. Carlon P&C® Duct can be rodded pneumatically.





*P&C Duct only

Made in the U.S.A.
800-3-CARLON (322-7566)

Carlon® P&C® Duct Type EB

RUS Listed

Carlon® nonmetallic P&C® Duct Type EB is manufactured from Carlon's exclusive high modulus C-600 compound, developed especially for power and communications applications, and is designed for use in concrete encased installations. Type EB is rated for 90°C Cable.

P&C® Duct Type EB-20

ETL Listed. Meets NEMA Standard TC-6 & 8
EB-20/ASTM F-512

Nom. Size	Part Number	Std. Crate Qty.	Approx. Wt. per 100 ft.	O.D.	*Min. Wall	Std. Crate Wt. (lbs.)	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
2	48711-020	2,800	36	2.375	.060	1000	$65.23	$56.72
3	48713-020	2,000	59	3.500	.061	1188	$94.43	$82.11
4	48715-020	1,140	98	4.500	.082	1117	$154.23	$134.11
5	48716-020	760	148	5.563	.103	1126	$234.24	$203.69
6	48717-020	520	212	6.625	.125	1101	$336.34	$292.47

*Min. wall thickness relates to 500,000 modulus
Note: One belled end per 20' length

P&C® Duct Type EB-35 Heavy Wall

Meets NEMA Standard TC-6 & 8
EB-35/ASTM F-512

Nom. Size	Part Number	Std. Crate Qty.	Approx. Wt. per 100 ft.	O.D.	*Min. Wall	Std. Crate Wt. (lbs.)	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
2	68711-020	2,800	39	2.375	.060	1086	$71.14	$61.86
3	68713-020	2,000	72	3.500	.076	1432	$115.52	$100.45
4	68715-020	1,140	116	4.500	.100	1318	$185.16	$161.01
5	68716-020	760	177	5.563	.126	1343	$281.98	$245.20
6	68717-020**	520	251	6.625	.152	1304	$399.19	$347.12

*Min. wall thickness relates to 500,000 modulus
**Special order item
Note: One belled end per 20' length

Use DB Sweeps with EB Duct.

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Carlon® P&C® Duct Type DB

Carlon® nonmetallic P&C® Duct Type EB is manufactured from Carlon's exclusive high modulus C-600 compound, developed especially for power and communications applications, and is designed for use in direct burial or concrete encased installations. Type DB is rated for 90°C Cable.

Trenching:

Trench should be graded true and free from stones and soft spots. Backfill should also be free of stones and be firmly tamped around the sides of the conduit, to develop maximum supporting strength. Tamping on top of the conduit is not recommended.

Backfill:

In rocky soil where it is impossible to have an even trench bottom, a selected backfill should be put in before laying the conduit. Selected backfill (not tamped) at least 6" over the top of the conduit is recommended. After final backfill is placed, tamping may be used to finish the grade.

The method of direct burial varies with soil condition, load conditions, and engineering preferences. A common practice is to lay one tier at a time, backfill, and repeat with the desired spacing of ducts being made as ducts are layered.

Many companies have used the heavier wall Type DB-120 in a duct-to-duct formation. Where limited loads occur, this type of installation has proven satisfactory.

RUS Listed

P&C® Duct Type DB-60

Meets NEMA Standard TC-6 & 8
DB-60/ASTM F-512

Nom. Size	Part Number	Std. Crate Qty.	Approx. Wt. per 100 ft.	O.D.	*Min. Wall	Std. Crate Wt. (lbs.)	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
2	48811-020	2,800	38	2.375	.060	1056	$37.63	$32.72
3	48813-020	2,000	81	3.500	.092	1612	$131.81	$114.62
4	48815-020	1,140	133	4.500	.121	1512	$214.57	$186.58
5	48816-020	760	202	5.563	.152	1538	$329.59	$286.60
6	48817-020	520	288	6.625	.182	1498	$467.58	$406.59

*Min. wall thickness relates to 500,000 modulus
Note: One belled end per 20' length

P&C® Duct Type DB-120 Heavy Wall

Meets NEMA Standard TC-6 & 8
DB-120/ASTM F-512

Nom. Size	Part Number	Std. Crate Qty.	Approx. Wt. per 100 ft.	O.D.	*Min. Wall	Std. Crate Wt. (lbs.)	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
1	48808-020	8,000	18	1.315	.060	1416	$39.24	$34.12
1 1/2	48810-020	4,500	28	1.900	.060	1251	$57.39	$49.90
2	68811-020	2,800	47	2.375	.077	1313	$82.56	$71.79
2 1/2	68812-020	2,040	68	2.875	.100	1381	$411.08	$357.46
3	68813-020	2,000	99	3.500	.118	1984	$164.77	$143.28
4	68815-020	1,140	165	4.500	.154	1876	$268.40	$233.39
5	68816-020	760	251	5.563	.191	1905	$411.08	$357.46
6	68817-020	520	356	6.625	.227	1851	$508.32	$442.02

*Min. wall thickness relates to 500,000 modulus
Note: One belled end per 20' length

Carlon® Special California Rigid Nonmetallic DB-100 P&C® Duct & Sweeps

RUS Listed

Carlon® DB-100 nonmetallic P&C® Duct Type DB is manufactured to specifications that exist within the State of California, and is designed for use in direct burial or concrete incased installations. Rated for use with 90°C cable.

P&C® Duct Type DB-100

Meets NEMA Standard TC-6 & 8 and ASTM F-512

Nom. Size	Part Number	Std. Crate Qty.	Approx. Wt. per 100 ft.	O.D.	*Min. Wall	Std. Crate Wt. (lbs.)	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
4	68915-020	1,140	154	4.500	.155	1753	$241.39	$209.90
5	68916-020	760	237	5.563	.192	1802	$434.70	$378.00
6	68917-020	520	337	6.625	.229	1752	$526.02	$457.41

*Min. wall thickness relates to 500,000 modulus
Note: One belled end per 20' length

P&C® Duct Type DB-100 DWP Approved

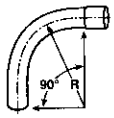
Meets NEMA Standard TC-6 & 8 and ASTM F-512

Nom. Size	Part Number	Std. Crate Qty.	Approx. Wt. per 100 ft.	O.D.	*Min. Wall	Std. Crate Wt. (lbs.)	Broken Crate price per Hu. (ft.)	Full Crate price per Hu. (ft.)
3	68913D-020	2,000	95	4.500	.155	1894	$148.29	$128.95
4	68915D-020	1,140	156	5.563	.192	1774	$370.79	$322.43
5	68916D-020	760	237	6.625	.229	1802	$526.02	$457.41

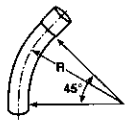
*Min. wall thickness relates to 500,000 modulus

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

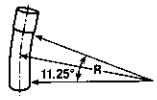
DB-100 Sweeps



90° Elbow



45° Elbow



11¼° Elbow

90° Sweep – 48" Radius

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
PE9HN	4"	1	11	$30.72	$26.71
PE9HP	5"	1	17	$49.07	$42.67

45° Sweep – 150" Radius

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
PE7SP	5"	1	26	$67.62	$58.80

11¼° Sweep – 150" Radius

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
PE3SP	5"	1	7.9	$42.76	$37.18

11¼° Sweep – 150" Radius

(Segmented sweeps)

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
PE3SNS	4"	1	4.2	$16.26	$14.14
PE3SPS	5"	1	6.6	$27.15	$23.61
PE3SRS	6"	1	9.3	$36.05	$31.35

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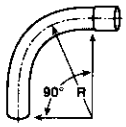
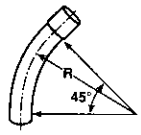
Price Schedule Code 17

DB-60 Sweeps



90° Sweep



45° Sweep

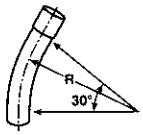
Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Sweep	PF9CH	1 1/2"	18"	1	.9	$8.63	$7.50
	PF9CJ	2"	18"	1	1.0	$9.26	$8.05
	PF9CL	3"	18"	1	2.5	$13.23	$11.50
	PF9CN	4"	18"	1	4.2	$24.77	$21.54
	PF9DF	1"	24"	1	.7	$6.59	$5.73
	PF9DH	1 1/2"	24"	1	1.1	$13.21	$11.49
	PF9DJ	2"	24"	1	1.3	$9.74	$8.47
	PF9DL	3"	24"	1	3.2	$16.97	$14.76
	PF9DN	4"	24"	1	5.3	$21.83	$18.98
	PF9DP	5"	24"	1	7.9	$44.97	$39.10
	PF9FF	1"	36"	1	1.0	$19.76	$17.18
	PF9FJ	2"	36"	1	1.9	$13.19	$11.47
	PF9FL	3"	36"	1	4.2	$13.93	$12.11
	PF9FN	4"	36"	1	7.4	$19.76	$17.18
	PF9FP	5"	36"	1	11.6	$46.74	$40.64
	PF9FR	6"	36"	1	16.9	$50.54	$43.95
	PF9HL	3"	48"	1	5.7	$34.39	$29.90
	PF9HN	4"	48"	1	9.6	$41.61	$36.18
	PF9HP	5"	48"	1	14.9	$60.15	$52.30
	PF9HR	6"	48"	1	21.6	$88.84	$77.25
	PF9IL	3"	60"	1	7.0	$28.72	$24.97
	PF9IN	4"	60"	1	11.6	$54.89	$47.73
	PF9IP	5"	60"	1	18.1	$79.40	$69.04
	PF9IR	6"	60"	1	26.2	$107.34	$93.34
	PF9SH	1 1/2"	150"	1	5.5	$73.44	$63.86
	PF9SJ	2"	150"	1	7.5	$45.23	$39.33
	PF9SL	3"	150"	1	17.6	$64.26	$55.88
	PF9SR	6"	150"	1	31.2	$180.55	$157.00
	PF9VL	3"	300"	1	34.1	$280.37	$243.80
	PF9VN	4"	300"	1	55.7	$140.76	$122.40
	PF9VP	5"	300"	1	86.5	$177.43	$154.29

Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
45° Sweep	PF7CF	1"	18"	1	0.3	$19.49	$16.95
	PF7CH	1 1/2"	18"	1	.6	$14.92	$12.97
	PF7CJ	2"	18"	1	.6	$8.15	$7.09
	PF7CL	3"	18"	1	1.5	$11.06	$9.62
	PF7DF	1"	24"	1	.4	$10.89	$9.47
	PF7DH	1 1/2"	24"	1	.7	$22.82	$19.84
	PF7DJ	2"	24"	1	.8	$8.98	$7.81
	PF7DL	3"	24"	1	1.9	$13.37	$11.63
	PF7DN	4"	24"	1	3.2	$17.48	$15.20
	PF7FF	1"	36"	1	.5	$8.00	$6.96
	PF7FH	1 1/2"	36"	1	1.0	$13.08	$11.37
	PF7FJ	2"	36"	1	1.0	$9.48	$9.24
	PF7FL	3"	36"	1	2.5	$13.23	$11.50
	PF7FN	4"	36"	1	4.2	$17.33	$15.07
	PF7FP	5"	36"	1	6.7	$31.35	$27.26
	PF7FR	6"	36"	1	9.8	$54.24	$45.43
	PF7HJ	2"	48"	1	1.3	$15.21	$13.23
	PF7HL	3"	48"	1	3.1	$29.52	$25.67
	PF7HN	4"	48"	1	5.3	$26.45	$23.00
	PF7HP	5"	48"	1	8.1	$34.91	$30.36
	PF7HR	6"	48"	1	12.3	$61.44	$53.43
	PF7IL	3"	60"	1	3.7	$22.67	$19.71
	PF7SH	1 1/2"	150"	1	2.9	$28.93	$25.16
	PF7SJ	2"	150"	1	4.0	$28.76	$25.01
	PF7SL	3"	150"	1	8.4	$58.19	$50.60
	PF7SN	4"	150"	1	14.3	$56.93	$49.50
	PF7SP	5"	150"	1	22.1	$102.40	$89.04
	PF7SR	6"	150"	1	31.9	$178.02	$154.80
	PF7VN	4"	300"	1	27.6	$245.13	$213.16
	PF7VP	5"	300"	1	42.9	$103.29	$89.82
	PF7VR	6"	300"	1	43.2	$133.30	$115.91

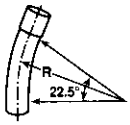
Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Price Schedule Code 17

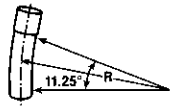
DB-60 Sweeps



30° Sweep



22½° Sweep



11¼° Sweep

Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
30° Sweep	PF6CJ	2"	18"	1	.5	$ 8.51	$ 7.40
	PF6CL	3"	18"	1	1.2	$22.99	$19.99
	PF6DL	3"	24"	1	1.3	$10.99	$ 9.56
	PF6DN	4"	24"	1	2.5	$14.15	$12.30
	PF6DP	5"	24"	1	3.7	$22.67	$19.71
	PF6FJ	2"	36"	1	.8	$14.24	$12.38
	PF6FL	3"	36"	1	1.9	$18.93	$16.46
	PF6FN	4"	36"	1	3.2	$22.43	$19.50
	PF6FR	6"	36"	1	7.2	66.01	$57.40
	PF6HJ	2"	48"	1	.9	$10.65	$ 9.26
	PF6HN	4"	48"	1	3.6	$16.40	$14.26
	PF6HP	5"	48"	1	6.4	$24.59	$21.38
	PF6HR	6"	48"	1	9.1	$52.01	$45.23
	PF6IN	4"	60"	1	4.6	$29.14	$25.34
	PF6IP	5"	60"	1	7.1	$39.31	$34.18
	PF6SJ	2"	150"	1	2.6	$27.39	$23.82
	PF6SN	4"	150"	1v	9.9	$52.88	$45.98
	PF6SP	5"	150"	1	15.4	$73.26	$63.70
	PF6VJ	2"	300"	1	5.0	$31.67	$27.54
	PF6VN	4"	300"	1	17.7	$43.21	$37.57
	PF6VR	6"	300"	1	40.1	$87.12	$75.76
22½° Sweep	PF5DN	4"	24"	1	2.1	$19.08	$16.59
	PF5DP	5"	24"	1	3.3	$40.09	$34.86
	PF5FF	1"	36"	1	.3	$ 7.80	$ 6.78
	PF5FL	3"	36"	1	1.5	$16.79	$14.60
	PF5FN	4"	36"	1	2.6	$18.85	$16.39
	PF5FP	5"	36"	1	4.1	$31.88	$27.72
	PF5FR	6"	36"	1	6.0	$60.35	$52.48
	PF5HL	3"	48"	1	1.7	$14.03	$12.20
	PF5HN	4"	48"	1	3.0	$25.77	$22.41
	PF5HR	6"	48"	1	7.6	$54.91	$47.75
	PF5IJ	2"	60"	1	.9	$18.61	$16.18
	PF5IL	3"	60"	1	2.1	$20.98	$18.24
	PF5IP	5"	60"	1	5.9	$32.22	$28.02
	PF5IR	6"	60"	1	8.4	$48.39	$42.08
	PF5SJ	2"	150"	1	2.1	$29.59	$25.73
	PF5SL	3"	150"	1	4.6	$30.90	$26.87
	PF5SN	4"	150"	1	7.6	$32.25	$28.04
	PF5SP	5"	150"	1	11.9	$38.87	$33.80
	PF5SR	6"	150"	1	17.3	$110.80	$96.35
	PF5VN	4"	300"	1	13.6	$83.38	$72.50
	PF5VP	5"	300"	1	21	$122.62	$106.63
	PF5VR	6"	300"	1	31.2	$198.85	$172.91

Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
11¼° Sweep	PF3CJ	2"	18"	1	.3	$ 8.67	$ 7.54
	PF3CL	3"	18"	1	.7	$10.93	$ 9.50
	PF3DF	1"	24"	1	.1	$ 6.83	$ 5.94
	PF3DH	1½"	24"	1	.2	$ 9.50	$ 8.26
	PF3DP	5"	24"	1	2.4	$22.67	$19.71
	PF3FJ	2"	36"	1	.4	$10.11	$8.79
	PF3FL	3"	36"	1	.9	$11.56	$10.05
	PF3FN	4"	36"	1	1.7	$25.43	$22.11
	PF3FP	5"	36"	1	2.8	$28.67	$24.93
	PF3FR	6"	36"	1	4.7	$66.79	$58.08
	PF3HL	2"	48"	1	1.3	$14.03	$12.20
	PF3HN	4"	48"	1	1.6	$16.40	$14.26
	PF3HP	5"	48"	1	3.1	$25.49	$21.38
	PF3HR	6"	48"	1	5.3	$46.28	$40.24
	PF3IJ	2"	60"	1	.5	$18.61	$16.18
	PF3IR	6"	60"	1	1.9	$48.39	$42.08
	PF3SJ	2"	150"	1	1.1	$29.59	$25.73
	PF3SN	4"	150"	1	4.4	$32.25	$28.04
	PF3SP	5"	150"	1	6.9	$38.87	$33.80
	PF3SR	6"	150"	1	10.3	$59.81	$52.01
	PF3VJ	2"	300"	1	2.2	$34.20	$29.74
	PF3VL	3"	300"	1	4.4	$35.03	$30.46
	PF3VN	4"	300"	1	7.3	$46.67	$40.58
	PF3VP	5"	300"	1	11.3	$64.24	$55.86
	PF3VR	6"	300"	1	17	$94.09	$81.82

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Made in the U.S.A.
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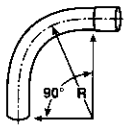
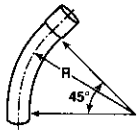
Price Schedule Code 17

DB-120 Sweeps



90° Sweep



45° Sweep

Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
90° Sweep	PH9CJ	2"	18"	1	1.3	$11.17	$ 9.71
	PH9CL	3"	18"	1	3.1	$12.58	$10.94
	PH9CN	4"	18"	1	4.0	$19.25	$16.74
	PH9DJ	2"	24"	1	1.8	$11.68	$10.16
	PH9DL	3"	24"	1	4.0	$13.32	$11.58
	PH9DN	4"	24"	1	6.7	$28.77	$25.02
	PH9DP	5"	24"	1	10.0	$68.67	$59.71
	PH9FJ	2"	36"	1	2.3	$14.55	$12.65
	PH9FL	3"	36"	1	5.2	$16.70	$14.52
	PH9FN	4"	36"	1	9.2	$23.74	$20.64
	PH9FP	5"	36"	1	14.4	$47.61	$41.40
	PH9FR	6"	36"	1	21	$86.83	$75.50
	PH9HJ	2"	48"	1	3.1	$25.19	$21.90
	PH9HL	3"	48"	1	6.7	$35.60	$30.96
	PH9HN	4"	48"	1	11.7	$55.53	$48.29
	PH9HP	5"	48"	1	18.5	$81.26	$70.66
	PH9HR	6"	48"	1	26.8	$101.94	$88.64
	PH9IJ	2"	60"	1	4	$42.76	$37.18
	PH9IL	3"	60"	1	8.4	$44.26	$38.49
	PH9IN	4"	60"	1	14.3	$58.81	$51.14
	PH9IR	6"	60"	1	32	$153.11	$133.14
	PH9SJ	2"	150"	1	2.6	$58.63	$50.98
	PH9SL	3"	150"	1	21	$77.12	$67.06
	PH9SN	4"	150"	1	33.5	$106.48	$92.59
	PH9SP	5"	150"	1	54.3	$144.98	$126.07
	PH9SR	6"	150"	1	9.3	$216.64	$188.38
	PH9VN	4"	300"	1	67.2	$447.19	$388.86
	PH9VR	6"	300"	1	152.8	$242.35	$210.74

Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
45° Sweep	PH7CJ	2"	18"	1	.7	$ 9.80	$ 8.52
	PH7CL	3"	18"	1	3.1	$12.29	$10.69
	PH7CN	4"	18"	1	3.2	$15.61	$13.57
	PF7DJ	2"	24"	1	1.1	$10.79	$ 9.38
	PF7DL	3"	24"	1	1.8	$19.84	$17.25
	PF7DN	4"	24"	1	3.8	$28.12	$24.45
	PF7DP	5"	24"	1	6.7	$83.89	$72.95
	PH7FJ	2"	36"	1	1.3	$11.39	$ 9.90
	PH7FL	3"	36"	1	3.1	$13.83	$12.03
	PH7FN	4"	36"	1	5.2	$22.66	$19.70
	PH7FP	5"	36"	1	8.4	$43.96	$38.23
	PH7FR	6"	36"	1	12.5	$105.87	$92.06
	PH7HJ	2"	48"	1	1.6	$13.21	$11.49
	PH7HL	3"	48"	1	3.9	$16.82	$14.63
	PH7HN	4"	48"	1	6.4	$44.94	$39.08
	PH7HP	5"	48"	1	10.1	$60.24	$52.38
	PH7HR	6"	48"	1	15	$66.56	$57.88
	PH7IJ	2"	60"	1	2.2	$31.52	$27.41
	PH7IL	3"	60"	1	4.5	$21.70	$18.87
	PH7IP	5"	60"	1	11.9	$63.64	$55.34
	PH7SJ	2"	150"	1	4.7	$34.52	$30.02
	PH7SN	4"	150"	1	17.4	$124.88	$108.59
	PH7SP	5"	150"	1	26.7	$156.71	$136.27
	PH7SR	6"	150"	1	40	$114.16	$99.27

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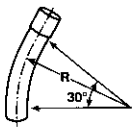
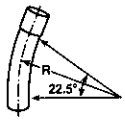
Price Schedule Code 17

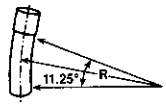
DB-120 Sweeps



30° Sweep



22½° Sweep



11¼° Sweep

Note: For Nom. Diameter of 1": use 1" DB-60 Sweeps

For Nom. Diameter of 1½": use 1½" DB-60 Sweeps

Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
30° Sweep	PH6CJ	2"	18"	1	.6	$9.61	$8.36
	PH6CL	3"	18"	1	1.4	$12.17	$10.58
	PH6CN	4"	18"	1	1.9	$23.15	$20.13
	PH6DJ	2"	24"	1	.6	$22.67	$19.71
	PH6DN	4"	24"	1	3.7	$25.88	$22.50
	PH6DP	5"	24"	1	5	$41.33	$35.94
	PH6FJ	2"	36"	1	1.2	$106.84	$92.90
	PH6FL	3"	36"	1	2.1	$12.86	$11.18
	PH6FN	4"	36"	1	3.7	$25.77	$22.41
	PH6FP	5"	36"	1	5.8	$42.45	$36.91
	PH6FR	6"	36"	1	7.4	$68.22	$59.32
	PH6HN	4"	48"	1	4.6	$18.22	$15.84
	PH6HR	6"	48"	1	11.3	$62.42	$54.28
	PH6IN	4"	60"	1	5.6	$25.71	$22.36
	PH6SL	3"	150"	1	7.0	$34.33	$29.85
22½° Sweep	PH5CJ	2"	18"	1	.5	$14.55	$12.65
	PH5CL	3"	18"	1	1	$12.17	$10.58
	PH5CN	4"	18"	1	2.2	$15.12	$13.15
	PH5DJ	2"	24"	1	14.5	$10.56	$9.18
	PH5DL	3"	24"	1	1.4	$24.05	$20.91
	PH5DP	5"	24"	1	4	$87.49	$76.08
	PH5FJ	2"	36"	1	22	$10.49	$9.12
	PH5FL	3"	36"	1	1.8	$12.86	$11.18
	PH5FN	4"	36"	1	3.2	$17.01	$14.79
	PH5FP	5"	36"	1	5.2	$35.78	$31.11
	PH5HL	3"	48"	1	2.1	$15.61	$13.57
	PH5HN	4"	48"	1	3.8	$30.64	$26.64
	PH5HP	5"	48"	1	6.0	$27.32	$23.76
	PH5HR	6"	48"	1	9.5	$51.41	$44.70
	PH5IJ	2"	60"	1	1.1	$17.91	$15.57
	PH5IL	3"	60"	1	2.6	$16.51	$14.36
	PH5IR	6"	60"	1	10.7	$53.76	$46.75
	PH5SN	4"	150"	1	9.5	$36.50	$31.74
	PH5SP	5"	150"	1	14.8	$43.19	$37.56
	PH5SR	6"	150"	1	21.9	$67.72	$58.89
	PH5VJ	2"	300"	1	4.7	$38.00	$33.04
	PH5VN	4"	300"	1	41.1	$51.84	$45.08

Item	Part No.	Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
11¼° Sweep	PH3CJ	2"	18"	1	.4	$14.87	$12.93
	PH3CL	3"	18"	1	1.0	$13.14	$11.43
	PH3CN	4"	18"	1	1.6	$15.12	$13.15
	PH3DJ	2"	24"	1	.6	$10.56	$9.18
	PH3DN	4"	24"	1	1.9	$15.73	$13.68
	PH3DP	5"	24"	1	2.9	$25.20	$21.91
	PH3FJ	2"	36"	1	.6	$11.33	$9.85
	PH3FL	3"	36"	1	1.2	$12.86	$11.18
	PH3FN	4"	36"	1	2.2	$23.94	$20.82
	PH3FP	5"	36"	1	4	$52.50	$45.65
	PH3FR	6"	36"	1	5.6	$61.90	$53.83
	PH3HN	4"	48"	1	2.5	$18.22	$15.84
	PH3HP	5"	48"	1	3.9	$29.51	$25.66
	PH3IN	4"	60"	1	2.7	$22.02	$19.15
	PH3IP	5"	60"	1	4.4	$71.71	$62.36
	PH3IR	6"	60"	1	6.8	$70.16	$61.01
	PH3SJ	2"	150"	1	1.5	$32.86	$28.57
	PH3SN	4"	150"	1	5.3	$36.50	$31.74
	PH3SP	5"	150"	1	8.8	$43.19	$37.56
	PH3SR	6"	150"	1	12.5	$67.72	$58.89
	PH3VR	6"	300"	1	21.1	$104.54	$90.90

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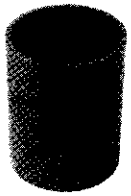
Price Schedule Code 17

Couplings

(Use same type fittings for Type EB and DB)

Sleeve Coupling (for repair work)



No internal stop

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E200J	2"	30	4.3	$ 669.19	$ 581.90
E200L	3"	25	13.6	$ 924.57	$ 803.97
E200M	3 1/2"	20	12	$1112.34	$ 967.25
E200N	4"	15	13.1	$ 938.34	$ 815.95
E200P	5"	8	12.2	$1118.57	$ 972.67
E200R	6"	5	11.1	$1675.94	$1457.34

Coupling

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E240L	3"	30	9.2	$279.51	$243.05
E240N	4"	15	8	$445.60	$387.48
E240P	5"	20	16.4	$804.82	$699.84
E240RF	6"	5	12.7	$2331.54	$2027.43

Long Line Coupling

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E241L	3"	15	6.5	$559.29	$486.34
E241N	4"	10	7.5	$703.28	$611.55

5° Angle Coupling BxS

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E244J	2"	15	5.9	$933.66	$811.88
E244L	3"	5	3.6	$1203.05	$1046.13
E244NF	4"	15	11.4	$1423.14	$1237.51
E244NF5 (short)	4"	25	19	$1336.83	$1162.46
E244PF	5"	10	16.6	$1556.97	$1353.89
E244PF5 (short)	5"	20	31.1	$1382.98	$1202.59
E244RF	6"	5	17.5	$1594.15	$1386.22
E244RF5 (short)	6"	10	15.6	$2144.68	$1864.94

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5° Angle Coupling BxB

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E2440NF	4"	15	11.4	$1575.07	$1369.63
E2440PF	5"	10	12.4	$1956.61	$1701.40
E2440RF	6"	5	10.5	$2376.38	$2066.42

5° Angle Coupling BxB (Swedged)

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E245J	2"	20	21.5	$913.96	$794.75
E245N	4"	10	18.1	$1220.13	$1060.98
E245P	5"	10	27	$1379.28	$1199.37
E245R	6"	5	10.5	$1977.97	$1719.97

Plugs

Price Schedule Code 7

Plug

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P258H	1 1/2"	50	1.7	$117.37	$102.06

Plug with Pull Tab

Price Schedule Code 7

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P258JT	2"	60	3.3	$190.98	$166.07
P258LT	3"	30	2.9	$281.92	$245.15
P258NT	4"	48	8.2	$318.23	$276.72
P258PT	5"	30	6	$430.46	$374.31
P258RT	6"	30	9	$538.06	$467.88

Adapters

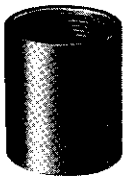
Price Schedule Code 01

Male Adapter

Listed E32447

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E943F	1"	50	3	$117.48	$102.16
E943H	1 1/2"	25	2.5	$182.92	$159.06
E943J	2"	50	6.8	$263.21	$228.88
E943L-CAR	3"	5	1.8	$670.22	$582.80
E943N-CAR	4"	5	3.1	$1153.57	$1003.10
E943P	5"	5	5	$2263.91	$1968.62
E943R	6"	10	12.3	$2724.11	$2368.79

Female Adapter



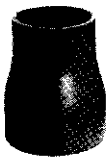
Listed E32447

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E942F	1"	50	3.7	$132.35	$115.09
E942H	1 1/2"	25	3.4	$186.44	$162.12
E942J	2"	30	5.5	$252.79	$219.82
E942L-CAR	3"	3	1.5	$741.16	$644.49
E942N-CAR	4"	7	5	$991.43	$862.11
E942P	5"	8	8.5	$2467.52	$2145.67
E942R	6"	6	8.6	$3257.19	$2832.34

Reducers

Price Schedule Code 17

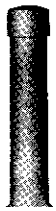
Swedge Reducer (Male x Male)



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E252LJ	3" x 2"	50	21.6	$1238.31	$1076.79
E252NJS	4" x 2"	25	39.8	$3518.62	$3059.67
E252NL	4" x 3"	25	20.7	$1506.99	$1310.43
E252PN	5" x 4"	20	25.6	$1843.07	$1602.67
E252RNS	6" x 4"	6	21.5	$6862.99	$5967.82
E252RP	6" x 5"	10	16.4	$3160.20	$2748.00

Markers

Cable Marker

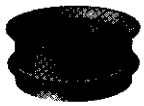


Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E299JM	42"	1	1.32	$894.86	$778.14
E299JP	56"	1	1.88	$1515.68	$1317.98

End Bells

Price Schedule Code 7

End Bell



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E997F-CAR	1"	15	.9	$344.07	$299.19
E997H-CAR	1 1/2"	10	.9	$421.59	$366.60
E997J-CAR	2"	10	1.2	$632.02	$549.58
E997L-CAR	3"	10	2.1	$739.08	$642.68
E997N	4"	30	10.7	$883.33	$768.11
E997P	5"	15	9.6	$1383.82	$1203.32
E997R	6"	10	7.4	$1517.20	$1319.30

Molded End Bell

Price Schedule Code 17

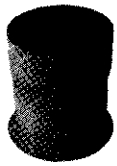
(For use with P&C Duct only)

Listed E32447

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E297J	2"	40	4.6	$564.97	$491.28
E297L	3"	50	8.8	$677.24	$588.90
E297N	4"	30	10.7	$797.25	$693.26
E297P	5"	15	8.3	$1201.45	$1044.74

Fabricated End Bell

(For use with P&C Duct only)



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E297RF	6"	10	12.8	$2164.43	$1882.11

Long Length End Bell P&C Duct

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E297RR	6" (6" long)	10	18.4	$1819.60	$1582.26

Note: for manhole terminations

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Physical Properties of P&C® Duct by ASTM Test Methods

Property	ASTM No.	Typical Values P&C® Duct	Typical Values Telephone Duct
Tensile strength, psi	D638	4,800	4,800
Modulus of elasticity in tension, psi	D638	500,000	500,000
Flexural strength, psi	D790	11,000	11,000
Deflection temp under load at 265 psi deg. C	D648	72°C	72°C
Coefficient of thermal expansion in/in/°F	D696	3.30×10^{-5}	3.30×10^{-5}
Coefficient of static friction		.20	.20

Collapse Pressure of P&C Duct Materials (PSI)

2" EB-20	– 11.2		5" EB-20	– 5.9	
2" EB-35	– 11.2		5" EB-35	– 10.3	
2" DB-60	– 11.2		5" DB-60	– 18.9	
2" DB-120	– 26.6		5" DB-120	– 38.2	
3" EB-20	– 6.6				
3" EB-35	– 8.2		6" EB-20	– 6.1	
3" DB-60	– 15.2		6" EB-35	– 11.2	
3" DB-120	– 34.0		6" DB-60	– 19.6	
4" EB-20	– 6.7		6" DB-120	– 38.0	
4" EB-35	– 9.2				
4" DB-60	– 17.0				
4" DB-120	– 36.6				

Collapse Pressure of Telephone Duct Materials (PSI)

Type B Duct	–	9.2
Type C Duct	–	36.6
Type D Duct	–	36.6

Performance Properties of P&C® Duct as Indicated per NEMA Standard TC-6 & 8 and ASTM F-512

Pipe Stiffness lb/in/in

Conduit Series	Minimum Pipe Stiffness (F/Δy), all sizes
EB-20	20
EB-35	35
DB-60	60
DB-100	100
DB-120	120

Minimum Impact Resistance at 0°C (32°F) ft • lbf

Nominal Size	Conduit Series EB-20	EB-35	DB-60	DB-100	DB-120
1	–	–	–	–	10
1 1/2	–	–	10	–	15
2	20	20	20	–	25
3	20	30	40	45	50
3 1/2	20	35	50	60	65
4	25	40	60	70	80
5	30	55	85	100	110
6	40	75	120	135	150

Performance Properties of Telephone Duct as Indicated per NEMA Standard TC-10

Pipe Stiffness F/Δy lb/in/in

Nominal Size	B-Duct	HWB	C-Duct	D-Duct
All	30	40	120	120

Minimum Impact Resistance at 32°C

B-Duct ft. lb.	C-Duct ft. lb.	D-Duct ft. lb.
25	50	50

Typical Installation Practices for P&C® Duct Type EB

RUS Listed

Trenching:

Whenever possible the walls of the trench for P&C® Duct should act as forms for concrete encasement. The trench should be made no wider than necessary to provide the nominal size concrete thickness.

Duct Spacing:

Duct spacing, both vertical and horizontal, is accomplished with the use of Carlon PVC Snap-Loc® Spacers. Recommended interval between spacer assemblies is 8 to 10 feet.

Terminating:

For smooth cable pulling and properly engineered terminations into manholes, Carlon P&C® Duct end bells should be used.

Concrete:

The concrete used with P&C® Duct should be 3/8" aggregate with a nominal compressive strength of 2,500 lbs. per square inch. The slump should be at the upper end of the range, preferably 7 to 8 inches. It should have just enough slump to flow to the bottom of the formation and yet not be so wet as to cause the ducts to float. In placing concrete around P&C® Duct, adjust the delivery chute so the fall of the concrete into the trench is minimal. Use a splash board to divert the flow of concrete away from the trench sides and avoid dislodging soil and stones.

Pressure Grouting:

This technique is used for ducts in a casing or bored construction. Hydraulic pressure exceeding 25 psi is common and thus dictates the use of a TC-8 (P&C® Duct Type DB-120) or a Plus 40® product. (See collapse pressure chart). Hydraulic pressure from grouting is a function of the line pressure at the nozzle and back pressure created by pumping. If the exhaust nozzle isn't withdrawn properly, the back pressure will rapidly build and equal the line pressure. Depending on the type casing and pumping distance, line pressures will go up to 90 psi.

Hydraulic Pressure:

The primary consideration for duct selection is the height of the duct bank. Since concrete exerts a force of 1.03 psi per foot of height, to determine the correct duct selection, consider the following examples:

1. 16 way duct bank, 5" conduit, 4 x 4 configuration with 3" separation, and 3" concrete cover

   Concrete Height – 4 x 5.563" + 4 x 3 =
   22.5 + 12" = 34.2"

   Hydraulic Pressure – (34.2"/12) x 1.03 = 2.9 psi

   In this instance the maximum force on the bottom ducts would be 2.9 psi, therefore, 5" EB-20 would be a satisfactory choice.

2. 16 way duct bank, 5" conduit, 8 x 2 configuration with 3" separation, and 3" concrete cover.

   Concrete Height – 8 x 5.563" + 8 x 3 =
   44.5 + 24" = 68.5"

   Hydraulic Pressure — (68.5"/12) x 1.03 = 5.9 psi

   In this instance the hydraulic force is equal to the theoretical collapse pressure of 5" EB-20, therefore, the use of 5" EB-35 or DB-60 would be a satisfactory choice.

   Another alternative would be to use a sequential pour technique. Pour approximately 1/2 the height, allow the concrete to set-up, and then pour the remaining distance. Using this method, 5" EB-20 would be satisfactory, since the hydraulic pressure has been reduced by 50%.

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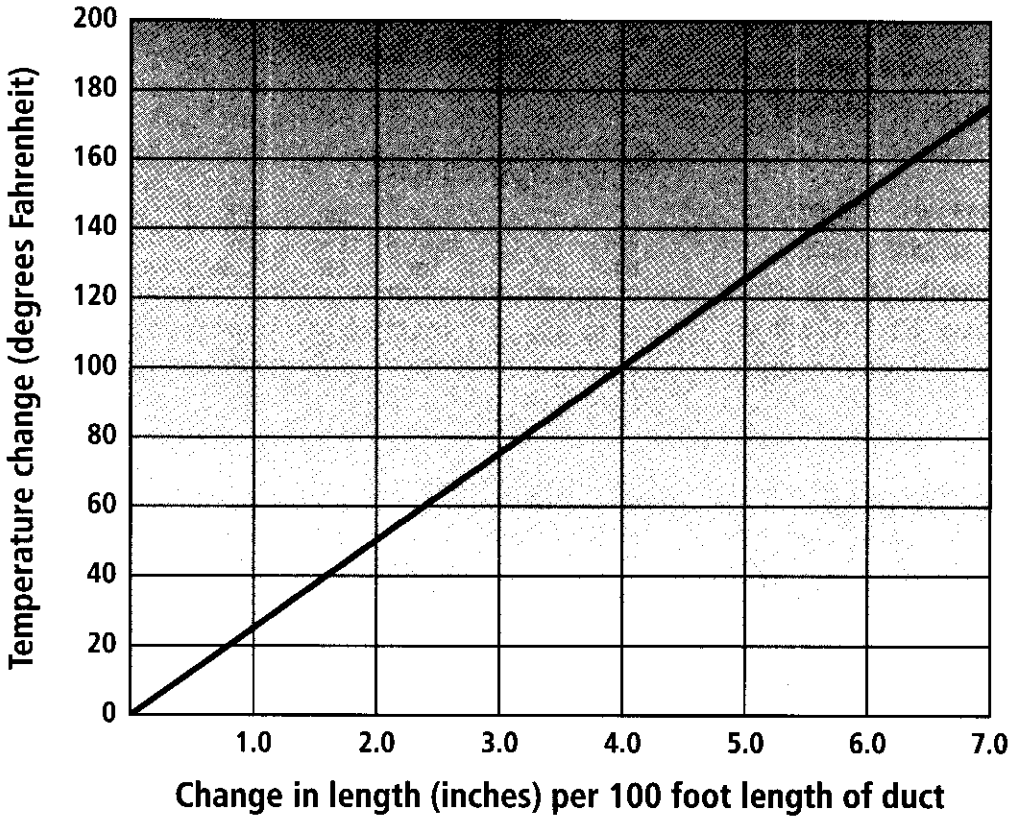
www.carlon.com

Expansion & Contraction

When duct temperature variations are anticipated during the installation of Carlon P&C® Duct and Telephone Duct, allow extra duct footage at each tie-in for contraction. Terminated duct runs should be covered with backfill from tie-in point toward the end of the duct run. If the trench must be left open, don't terminate the run. All plastic duct may expand or contract as concrete is poured and cured. When placing concrete encasement, always encase from one end of the duct section toward the other end of the section, to allow the free end to move. Never encase from each end of the section toward the center.

The coefficient of thermal expansion of Carlon P&C® Duct and Telephone Duct is 3.30×10^{-5} in/in/°F. The following chart indicates what expansion or contraction can be expected at various temperature changes.

Expansion/Contraction Chart



Bridge Crossings and Exposed Applications

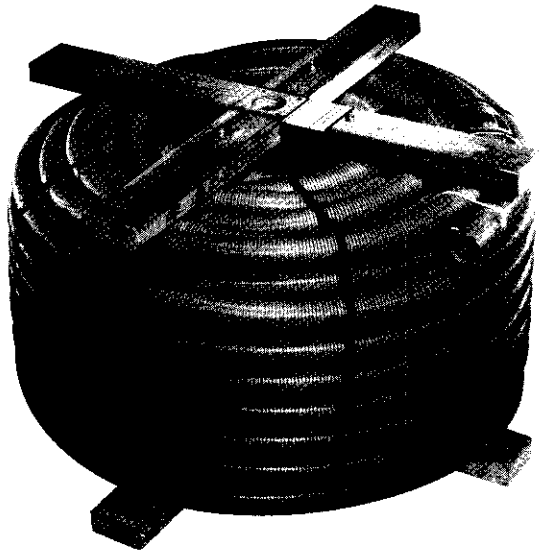
Type D Telephone Duct is designated specifically for use in bridge crossings and exposed applications. Using the expansion/contraction chart, calculate the number of expansion joints required. Expansion joints provide a 6" allowance for expansion/contraction. Utilize one expansion joint for each 100 feet of exposed length for most installations. The duct should be free to move during expansion/contraction; the barrel should be securely clamped and the piston should be aligned properly with the barrel for easy movement.

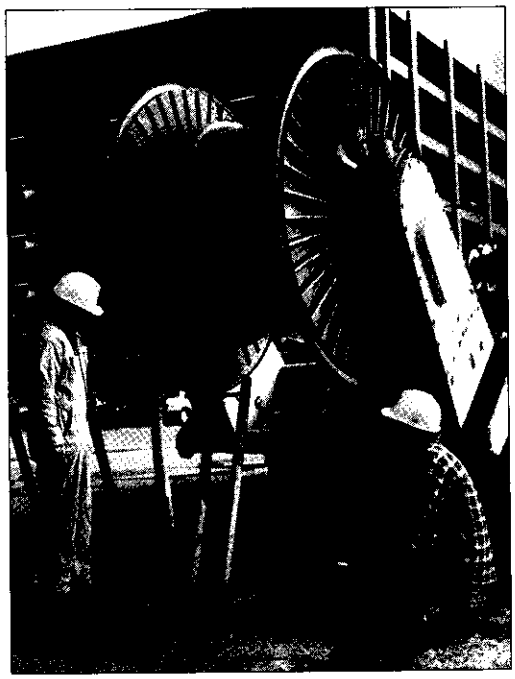
Carlon® P&C Flex® Corrugated Flexible Conduit

Carlon® P&C Flex® nonmetallic corrugated flexible conduit is designed specifically for power and communications applications when protecting or replacing cable. Produced to IPS dimensions, Carlon P&C Flex® is grey in color and formulated for sunlight resistance.

The corrugated design of P&C Flex® provides maximum flexibility for easy handling and installation. It is perfect for a wide range of applications from underground residential communication raceway to under bridge or roadway conduit. P&C Flex® provides adaptability in the field since it may be used with existing conduits, couplings, adapters, end bells and plugs in virtually any configuration.

Carlon P&C Flex® is packaged in standard 250 foot lengths and is available through custom order in longer lengths. P&C Flex® is manufactured in sizes from 1 1/2" to 4" with a pre-installed pull tape in 1 1/2" and 2" diameter sizes.





Round Wooden Reel

Part No.	Nominal Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	I.D.	O.D.	Full Ctn. Price per Hu. Ft.
11810-250	1 1/2"	250 Ft.	50	1.570	1.900	$155.05
11810T-250 (Tape)	1 1/2"	250 Ft.	81	1.570	1.900	$182.95
11811-250	2"	250 Ft.	101	2.045	2.375	$188.44
11811T-250 (Tape)	2"	250 Ft.	103	2.045	2.375	$219.50

Edge Brace Reel

Part No.	Nominal Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	I.D.	O.D.	Full Ctn. Price per Hu. Ft.
11811-700	2"	700 Ft.	175	2.045	2.375	$188.44
11812-250	2 1/2"	250 Ft.	126	2.469	2.875	$205.97
11812AG-001	2 1/2"	1300 Ft.	510	2.469	2.875	$205.97
11813-250	3"	250 Ft.	193	3.068	3.500	$348.25
11815-250	4"	250 Ft.	254	4.026	4.500	$461.41

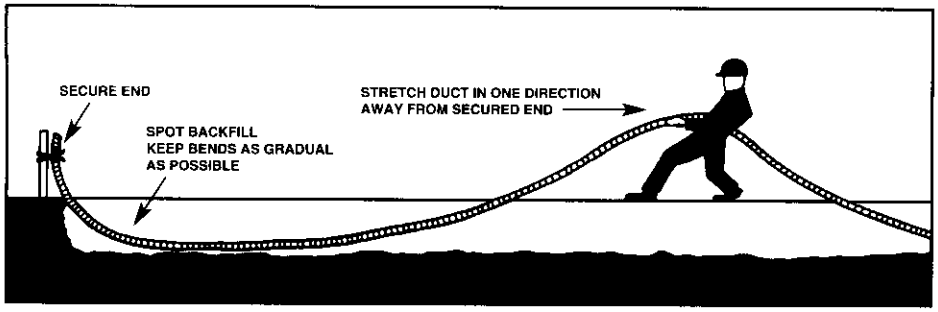
Performance Properties

	1 1/2"	2"	2 1/2"	3"	4"
Stiffness F/▲y at 5% deflection	200	200	130	130	90
Impact Strength (Ft./Lbs.) 72°	50	50	70	120	140
Impact Strength (Ft./Lbs.) 32°	15	25	35	60	60
Minimum Bending Radius (inches)	6	8	12	15	18
Conduit Tensile Strength	500	700	1000	1500	2000

- Available in 15' lengths
- Storage: -4°F to 158°F
- Handling: -4°F to 104°F

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

P&C Flex® Corrugated Flexible Conduit Installation Techniques



1. Trenching

Trench should be graded true and free from stones or soft spots. Backfill should also be free of stones and be firmly tamped around the sides of the conduit, to develop maximum supporting strength. Tamping on top of the conduit is not recommended.

2. Backfill

In rocky soil where it is impossible to have an even trench bottom, a selected backfill should be put in before laying the conduit. Selected backfill (not tamped) at least 6" over the top of the conduit is recommended. After final backfill is placed, taming may be used to finish the grade.

3. Duct Placement

Duct may be unreeled directly into trench or along side trench and subsequently placed in trench. After placing in trench, secure one end and stretch it by hand to take up the slack. Spot backfill to hold in position. Do not use mechanical stretching equipment.

4. Changes in Direction

Avoid unnecessary turns, dips, or changes in direction. Keep bends as gradual as possible to assure ease of cable pull-in after duct installation.

5. Pneumatic Rodding

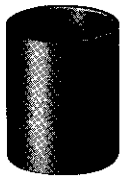
All commonly used vacuum or pressure can be used to rod P&C Flex. The line carrier (mouse, puck, rocket) should be soft, flexible material designed to fit snugly into duct without interference.

6. Mechanical Rodding

All commonly used mechanical rodding equipment can be used to rod P&C Flex. The tip should have a ball-type arrangement to keep rod from catching in the convolutions on the inside of duct.

P&C Flex® Conduit Fittings

Couplings



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E940H	1 1/2"	25	4	$141.27	$122.84
E940J	2"	30	5	$184.40	$160.35
E940K-CAR	2 1/2"	4	2	$325.67	$283.19
E940L-CAR	3"	5	3	$537.42	$467.32
E940M	3 1/2"	20	13	$594.14	$516.64
E940N-CAR	4"	5	4	$829.29	$721.12

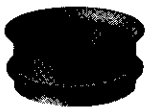
Price Schedule Code 01

Plugs

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
P258H	1 1/2"	50	2	$117.37	$102.06
P258JT	2"	60	3	$190.98	$166.07
P258K	2 1/2"	25	2	$151.34	$131.60
P258LT	3"	30	3	$281.92	$245.15
P258NT	4"	48	8	$318.23	$276.72

Price Schedule Code 7

Bell Ends (Schedule 40)

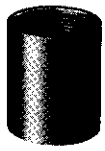


Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E997H-CAR	1 1/2"	10	.9	$421.59	$366.60
E997J-CAR	2"	10	1.2	$632.02	$549.58
E997K-CAR	2 1/2"	10	1.9	$688.75	$598.91
E997L-CAR	3"	10	2.1	$739.08	$642.68
E997M	3 1/2"	40	10.2	$812.41	$706.44
E997N	4"	30	10.7	$883.33	$768.11

Price Schedule Code 7

Price Schedule Code 01

Female Adapters



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E942H	1 1/2"	25	3	$186.44	$162.12
E942J	2"	30	6	$252.79	$219.82
E942K-CAR	2 1/2"	4	1.4	$495.71	$431.05
E942L-CAR	3"	3	1.5	$741.16	$644.49
E942M	3 1/2"	20	12	$967.01	$840.88
E942N-CAR	4"	7	5	$991.43	$862.11

Terminal Adapters

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E943H	1 1/2"	25	3	$182.92	$159.06
E943J	2"	5	7	$263.21	$228.88
E943K-CAR	2 1/2"	5	1.2	$453.19	$394.08
E943L-CAR	3"	5	2	$670.22	$582.20
E943M	3 1/2"	30	14	$863.94	$751.25
E943N-CAR	4"	5	3	$1153.57	$1003.10

Made in the U.S.A.
800-3-CARLON (322-7566)

Price Schedule Code 17

RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold® pole riser systems are designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 (PH-41) specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold® acts as an insulator against electrical shock.

Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Standard Duty Schedule 40

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Impact @ 0°C 20 Pound Tup	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.	$27.21	$23.66
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.	$32.27	$28.06
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.	$32.88	$28.59
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.	$51.03	$44.37
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.	$51.99	$45.21
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.	$61.97	$53.89
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.	$75.95	$66.04

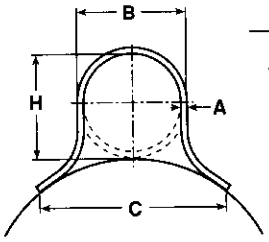
Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.	$22.82	$19.84
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.	$29.79	$25.90
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.	$62.63	$54.46
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.	$86.91	$75.57
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.	$70.39	$61.21
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.	$115.94	$100.82
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.	$147.34	$128.12

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.	$41.56	$36.14
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.	$88.84	$77.25

Flanged Overall Length 10 Feet, Including Bell



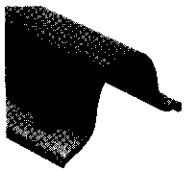
Size	Depth of Bell
1"	2 - 2 1/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Made in the U.S.A.
www.carlon.com

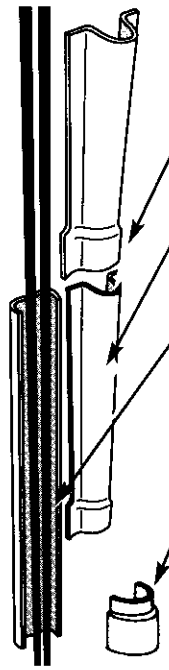
Price Schedule Code 17

The PV-Mold® System

Installation is easy with PV-Mold® pole risers:

1. Install ventilator or duct to riser fittings at the base of the pole.
2. Nail backing plate sections to the surface of the pole. Three nail holes are provided in each section. Place the "U" sections over the cable and backing plate, with belled end at the bottom, and attach using 1/4" lag bolts.

The Carlon PV-Mold® pole riser system features interchangeable parts and accessories to match the needs of specific requirements.



Flanged

Exclusive Bell End
For easy and quick installation. (No additional coupler required.)

10' Lengths
Safe and light for easy handling during installation.

Backing Plate
Provides cable isolation from the pole.

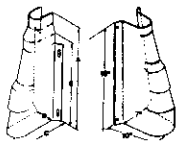
Two Riser Fittings Available

Duct to riser fitting
Adapts duct to PV-Mold®.

Ventilator Fitting
Used for a "chimney" effect to cool cable and increase ampacity.

Ventilator Fitting

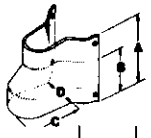
E938JLN
E938NPR



E938PR
E938RR
E938TR

Part No.	Size	Dimensions A	B	C	D	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
E938JL	Up to 4" conduit to 3" riser	18"	-	5 1/2"	4 3/4"	5	16.75	$300.35	$261.17
E938JLN	Up to 4" conduit to 2" or 3" riser	18"	15"	5 1/2"	4 3/4"	5	60.11	$260.25	$266.30
E938NP	Up to 6" conduit to 3" riser	18"	-	9 1/2"	7"	3	22.03	$204.86	$178.14
E938NPR	Up to 6" conduit to 4" or 5" riser	18"	15"	9 1/2"	7"	3	37.07	$265.57	$230.93
E938PR	Up to 6" conduit to 5" riser	18"	-	10"	7"	3	20	$270.23	$234.98
E938RR	Up to 6" conduit to 6" riser	18"	-	10"	7"	3	24	$276.13	$240.11
E938TR	Up to 8" conduit to 6" riser	20"	20"	10"	9 1/2"	2	17	$289.92	$252.10

Adapters



Part No.	Size	Dimensions A	B	C	D	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
E939LJ	3" x 2"	5 1/2"	3 1/2"	3 1/4"	3 1/2"	50	72.24	$67.42	$58.63
E939NJ	4" x 2"	10"	8 1/4"	5 1/4"	5"	15	33.88	$128.72	$111.93
E939NLX	4" x 3"	5 3/8"	3 1/2"	4"	4 3/4"	15	25.04	$136.90	$119.04
E939PN	5" x 4"	5 3/8"	3 1/2"	5 1/2"	5 7/8"	20	53.04	$141.55	$123.09
E939RP	6" x 5"	5 1/2"	3 1/2"	7 1/2"	7"	20	78.60	$150.11	$130.53

Couplings

Part No.	Size/Description	Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
E966JJ	2"x2" Sch. 80 Double Belled Coupling	10	9	$4577.36	$3980.31

PV-Mold® Backing Plate

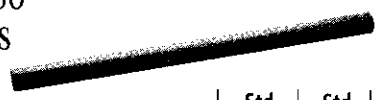
(10 Ft. Long)

Part No.	Size	Dimensions A	B	C	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
59111	2"	1/16"	13/16"	2 1/8"	1	1.2	$16.38	$14.24
59113	3"	1/16"	1 5/16"	3 1/8"	1	1.5	$22.99	$19.99
59115	4"	1/16"	1 5/16"	4 1/8"	1	3	$31.97	$27.80
59116	5"	1/16"	1 3/4"	5 1/4"	1	3.1	$47.94	$41.69
59117	6"	1/16"	1 5/8"	6 1/16"	1	4.2	$85.32	$74.19

Duct to Riser Fitting

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu. ea.	Full Ctn. Price per Hu. ea.
E939NL	4" x 3"	15	5.6	$1206.48	$1049.11
E939N	4" x 4"	15	5.3	$1412.61	$1228.36

Schedule 80 Pole Risers



Part No.	Size/Description	Std. Ctn. Qty. (Ft.)	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per Hu. Ft.	Full Ctn. Price per Hu. Ft.
49413N	3" Dimension 5 ft. long	5	11	$3423.63	$2977.07
49415N	5" Dimension 5 ft. long	5	16	$4880.50	$4243.91

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

Made in the U.S.A.
800-3-CARLON (322-7566)

Carlon® Split Duct

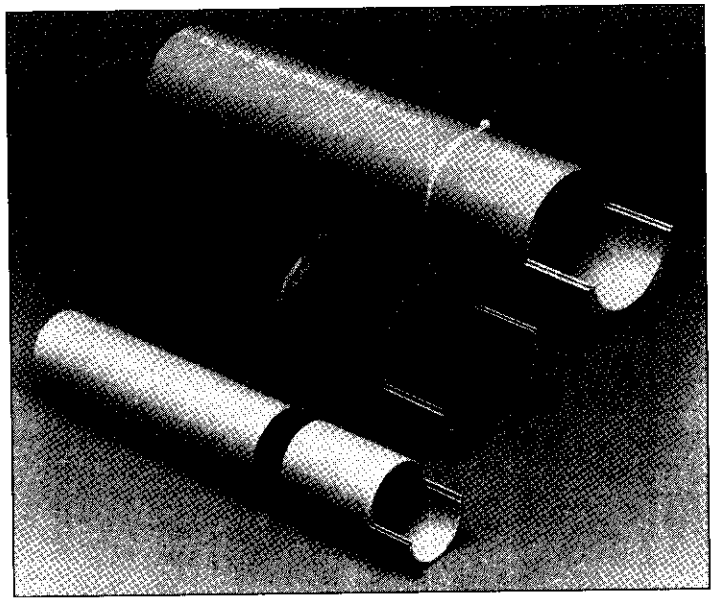
Carlon® Split Duct is the fast and easy way to repair broken ductwork without the costly cutting and resplicing of your conductors.

Our unique tongue-and-groove design leads the industry in providing a strong, rigid solution for duct repair situations.

The interlocking design allows the split duct sections to be staggered and butted together. Joints may be sealed with tape and reinforced with plastic or metallic straps to produce a rigid, stable unit.

Manufactured from a compound designed specifically for power and telecommunications applications, Carlon Split Duct exhibits superior impact strength and ultraviolet resistance.

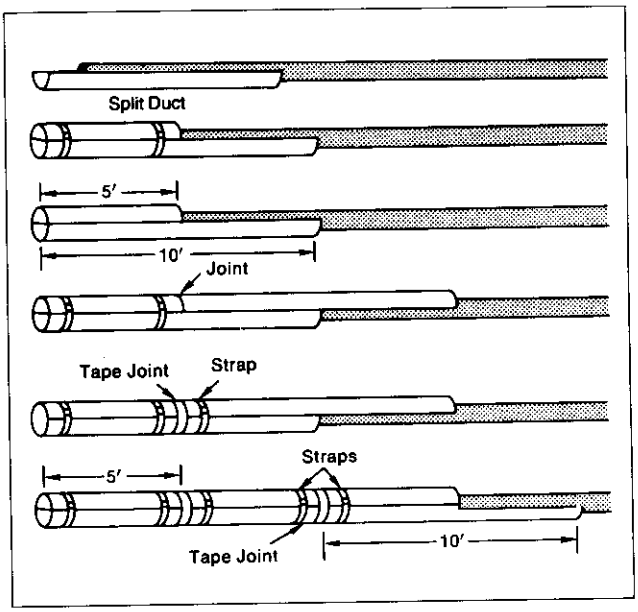
Available in 2" through 6" diameters, this product line also contains couplings and sweeps necessary to complete the system.



The fast and easy method of installing duct around existing cable for repair and temporary installations.

Recommended Installation Procedure

1. Place one 10-foot Split Duct section under cable.
2. In order to stagger joints, saw another section in half (about 5 feet long).
3. Place 5-foot section over cable and snap the two sections together.
4. Place strap about one foot from the end and another strap about a foot from the joint where the ends of the top sections will butt.
5. Place another 10-foot Split Duct section over the open half of the bottom section, butt the ends tightly together and snap the sections together.
6. Place a length of tape around both sections of the Split Duct to cover the butted joint.
7. Place a strap about one foot beyond the taped joint.
8. Lay another length of Split Duct underneath cable, butt together, tape the butted joint and strap one foot on each side of the joint.
9. Repeat procedure.



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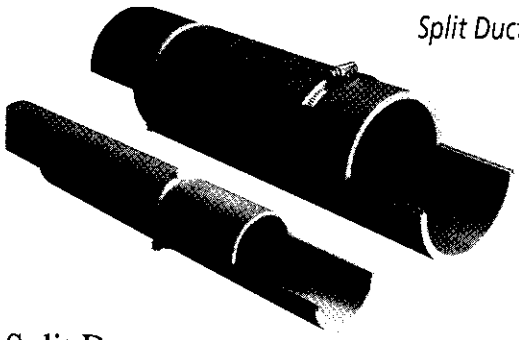


Split Duct

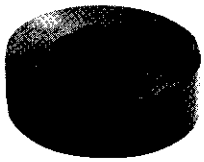
Split Duct

Part No.	Description	Std. Crate Qty.	Std. Crate Wt. (lbs.)	O.D.	Broken Crate Price per Hu. ft.	Full Crate Price per Hu. ft.
49011SD-010	2" Schedule 40 Split Duct	700	564	2.375	$529.63	$460.55
49012SD-010	2½" Schedule 40 Split Duct	460	572	2.975	$674.91	$586.88
49013SD-010	3" Schedule 40 Split Duct	500	857	3.500	$715.40	$622.09
49014SD-010	3½" Schedule 40 Split Duct	290	569	4.125	$776.73	$675.42
49015SD-010	4" Schedule 40 Split Duct	290	701	4.500	$1268.55	$1103.09
49016SD-010	5" Schedule 40 Split Duct	230	751	5.563	$1712.22	$1488.89
49017SD-010	6" Schedule 40 Split Duct	130	548	6.625	$2211.83	$1933.33
49411SD-010	2" Schedule 80 Split Duct	700	749	2.375	$529.62	$460.54
49415SD-010	4" Schedule 80 Split Duct	290	922	4.500	$1401.85	$1219.00
C Duct						
68515SD-010	4" C Duct Split Duct	320	614	4.350	$820.27	$713.28

Split Duct Accessories

Price Schedule Code 63

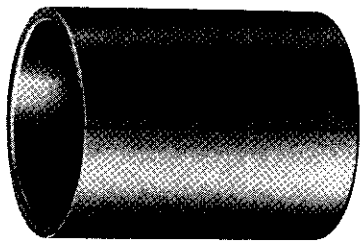
Strap



Tape

Part No.	Description	Size	Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per	Full Ctn. Price per
S530	Strap	21"	60	1	$96.12	$83.58
S500	Tape	2" x 50 yds.	24	5	$94.60	$82.26

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

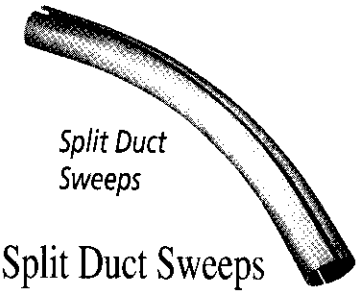


Split Sleeve Coupling
For joining Split Duct to existing duct.

Price Schedule Code 17

Split Sleeve Coupling (Split on one side)

Part No.	Description	Std. Ctn. Qty.	Std. Ctn Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
Schedule 40 and 80					
E200JS6	2" Schedule 40 Split Coupling (6" long)	25	9	$1816.66	$1579.70
E200KS7	2½" Schedule 40 Split Coupling (7" long)	25	21	$ 939.72	$ 817.15
E200LS7	3" Schedule 40 Split Coupling (7" long)	25	17	$2771.19	$2409.73
E200LSS	3" Sleeve Coupling Split 1 SD	25	10	$ 880.24	$ 765.43
E200MS8	3½" Sleeve Coupling Split 1 SD	25	20	$2732.52	$2376.10
E200NS8	4" Schedule 40 Split Coupling (8" long)	15	16	$3219.68	$2799.72
E200NSS	4" Split Coupling 1 SD (6" long)	25	17	$ 911.13	$ 792.29
E200PS9	5" Schedule 40 Split Coupling (9" long)	8	12	$3618.25	$3146.30
E200RS1	6" Schedule 40 Split Coupling (10" long)	6	17	$4402.74	$3828.47
C Duct					
E900NS	4" C Duct Split Coupling (8" long)	25	21	$1674.40	$1456.00
E900NSW (White)	4" C Duct Split Coupling (6" long)	25	24	$1700.85	$1479.00



Split Duct Sweeps

Price Schedule Code 17

Split Duct Sweeps

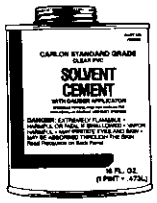
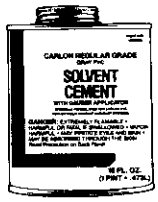
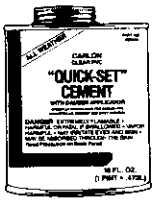
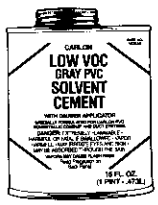
Segment	Part No.	Nom. Size	Radius (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
45° Sweep	UA7DJSD	2"	24"	1	1.4	$ 54.74	$ 47.60
	UA7FJSD	2"	36"	1	2.1	$ 28.89	$ 25.12
	UA7FLSD	3"	36"	1	4.7	$117.00	$101.74
	UA7HJSD	2"	48"	1	2.7	$ 86.34	$ 75.08
	UA7HLSD	3"	48"	1	6.1	$131.64	$114.47
	UA7IJSD	2"	60"	1	3.2	$ 92.71	$ 80.62
	UA7ILSD	3"	60"	1	7.2	$162.87	$141.63
	UA7INSD	4"	60"	1	10.2	$197.29	$171.56
22½° Sweep	UA5INSD	4"	60"	1	6.1	$155.10	$134.87
11¼° Sweep	UA3IJSD	2"	60"	1	1	$ 68.22	$ 59.32
	UA3ILSD	3"	60"	1	3.6	$123.73	$107.59
	UA3INSD	4"	60"	1	5.1	$146.07	$127.02

Two 45° Elbows may be segmented for 90°.

Price Schedule Code 16

Carlon® Cement

(MSDS sheets available at www.carlon.com)

						Recommended pipe application and sizes	Set-up time (Evaporation Rate)	Recommended installation temperature	Lap Shear @ 73°F	Viscosity at 75° as manufactured
	Standard Grade Clear Solvent Cement with dauber					Recommended for all grades and types of Carlon PVC conduit, duct, wireway and fittings, except Flex-Plus® Blue™ ENT (Electrical Nonmetallic Tubing.) Up through 6" diameter.	10°-30°F Not recommended 30°-50°F 5-6 minutes 50°-70°F 3-4 minutes 70°-90°F 1-2 minutes	40° to 100°F	2 hrs. 350 psi 16 hrs. 800 psi 72 hrs. 1,500 psi	500-900 cps
	Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.					
	VC9964	1/2 Pint	10	$505.89	$439.90					
	VC9963	Pint	24	$697.21	$606.27					
	VC9962	Quart	12	$1167.07	$1014.84					
	VC9961P	Gallon	6	$5040.57	$4383.10					
	Regular Grade Grey Solvent Cement with dauber*					Recommended for all grades and types of Carlon PVC conduit, duct, wireway and fittings, except Flex-Plus® Blue™ ENT (Electrical Nonmetallic Tubing.) Up through 6" diameter.	10°-30°F Not recommended 30°-50°F 5-6 minutes 50°-70°F 3-4 minutes 70°-90°F 1-2 minutes	40° to 100°F	2 hrs. 350 psi 16 hrs. 800 psi 72 hrs. 1,500 psi	500-900 cps
	Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.					
	VC9924	1/2 Pint	10	$511.98	$445.20					
	VC9923	Pint	24	$729.04	$633.95					
	VC9922	Quart	12	$1217.09	$1058.34					
	VC9941P	Gallon	6	$5046.66	$4388.40					
	All-Weather "Quick-Set" Clear Solvent Cement with dauber*					Recommended for all grades and types of Carlon PVC conduit, duct, wireway and fittings, except Flex-Plus® Blue™ ENT (Electrical Nonmetallic Tubing.) Up through 6" diameter.	10°-30°F 4-5 minutes 30°-50°F 3-4 minutes 50°-70°F 1-2 minutes 70°-90°F 1/2-1 1/2 minutes	5° to 100°F	2 hrs. 350 psi 16 hrs. 800 psi 72 hrs. 1,500 psi	400-700 cps
	Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.					
	VC9984	1/2 Pint	10	$518.36	$450.75					
	VC9983	Pint	24	$865.46	$752.57					
	VC9982	Quart	12	$1385.34	$1204.64					
	VC9981P	Gallon	6	$5881.68	$5114.50					
	All-Weather ENT Blue "Quick-Set" Solvent Cement with brush*					Recommended for use with Flex-Plus® Blue™ ENT (Electrical Nonmetallic Tubing), Riser-Gard® & PVC Optic-Gard®, P&C Flex®, and Carlon PVC fittings. Up through 4" diameter.	10°-30°F 4-5 minutes 30°-50°F 3-4 minutes 50°-70°F 1-2 minutes 70°-90°F 1/2-1 1/2 minutes	4° to 100°F	2 hrs. 350 psi 16 hrs. 800 psi 72 hrs. 1,500 psi	400-700 cps
	Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.					
	VC9992	Quart	12	$1424.75	$1238.91					
	VC9993	Pint	24	$873.03	$759.19					
	Low VOC Solvent Cement with dauber*					Recommended for all grades and types of Carlon PVC conduit, duct, wireway and fittings, except Flex-Plus® Blue™ ENT (Electrical Nonmetallic Tubing.) Up through 6" diameter. VOC emission of 490 grams/liter per the Bay and South Coast test method.	10°-30°F Not recommended 30°-50°F 5-6 minutes 50°-70°F 3-4 minutes 70°-90°F 1-2 minutes	40° to 100°F	2 hrs. 350 psi 16 hrs. 800 psi 72 hrs. 1,500 psi	500-900 cps
	Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.					
	VC9LV4	1/2 Pint	10	$578.99	$503.47					
	VC9LV3	Pint	24	$932.14	$810.56					
	VC9LV2	Quart	12	$1624.80	$1412.87					
	Primer with dauber					Recommended for use with Carlon cement and all types and sizes of Carlon WireSafe™ wireway.	N/A	5° to 100°F	N/A	N/A
	Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.					
	VC9903	Pint	24	$776.03	$674.81					
	VC9902	Quart	12	$1271.66	$1105.79					
	Purple:									
	VC9932	Quart	12	$1233.78	$1072.85					

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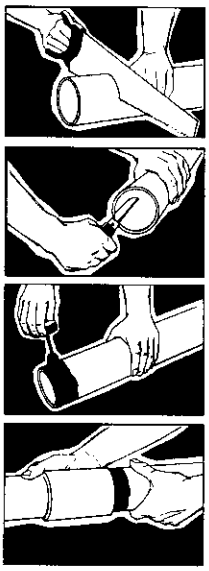
www.carlon.com

Cement Joints



Carlon nonmetallic products are joined by means of solvent cement joints. Sizes 1/2" through 1 1/2" should be cut square (using a fine tooth handsaw) and deburred. For sizes 2" through 6" a miter box or similar saw guide should be utilized to keep the material steady. After cutting and deburring, wipe ends clean of dust, dirt and shavings.

Joining process as follows: Be sure that conduit end is clean and dry. Apply coat of Carlon Solvent Cement (use dauber) to end of conduit, the length of the socket to be attached. Push conduit firmly into fitting while rotating conduit slightly about one-quarter turn to spread cement evenly. Allow joint to set approximately 10 minutes.

Carlon recommends the use of Carlon cement for proper solvent cement joints. Since this cement is prepared particularly for our product compounds and tolerances, we cannot guarantee joints assembled with cement materials supplied by other manufacturers. Regular grade grey solvent cement will accommodate most application situations being of a general purpose nature. In situations requiring an extremely fast-setting joint, (low temperature or difficult installation conditions) Carlon All Weather Quick-Set Cement is recommended. Standard grade clear cement is recommended for noncritical utility applications where gap filling and leak testing are not required.

Average number of joints per can

Pipe size	1/2 Pint	Pint	Quart	Gallon
1/2	140	275	550	2,200
3/4	90	180	360	1,440
1	70	140	280	1,120
1 1/4	50	100	200	800
1 1/2	37	75	150	600
2	20	40	80	320
2 1/2	17	35	70	280
3	15	30	60	240
3 1/2	13	27	54	216
4	12	25	50	200
5	9	19	38	150
6	6	12	24	95

Average shelf-life of all Carlon cement is 24 months (unopened cans stored below 80°F.)

All Carlon cements are specially formulated to be used with Carlon PVC products, and do not require primers when parts are clean of dirt and moisture.

Cementing PVC Conduit:

1. Make square saw cut with fine tooth saw.
2. Deburr and round inside edge of the cut end.
3. Clean socket ID and spigot OD of dirt and moisture.
4. Apply a uniform coat of cement to spigot end and push onto socket bottom, rotating 1/4 turn.
5. Allow time to set before disturbing. This will depend upon temperature.

Cementing PVC Conduit for Submerged Areas Requiring Air or Water Tightness:

1. Follow the procedure to the left for cementing conduit.
2. Test workmanship by conducting a low pressure air (3.0 - 5.0 psi) test after system is installed and cemented joints are set.
3. Plug and block ends to prevent movement prior to pressurization.
4. Check for leaks with soap solution.
5. Even low pressure air can cause high thrust loads and caution must be observed.

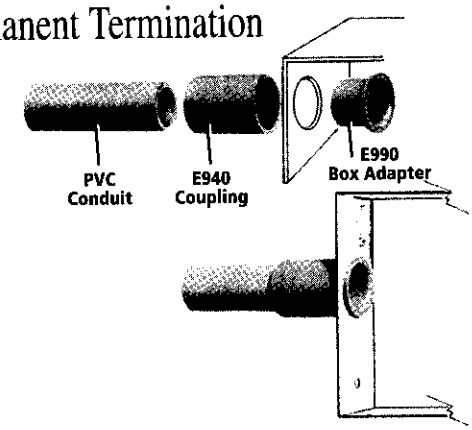
Cementing ENT for Concrete-Tight Applications:

1. Use Carlon Socket tight fittings or couplings.
2. ***Do not*** use chemical primer or cleaner.
3. Apply a light uniform coat of cement, labeled for use with ENT.
4. ***A brush*** shall be used to apply the cement.
5. Brush excess cement out of ENT grooves
6. Promptly insert ENT into fitting while cement is wet, until the fitting stop is reached, and give 1/4 turn.
7. Do not disturb until the joint is set.

Fittings and Adapters for Terminating Carlon Plus 40® and Plus 80® Rigid Conduit

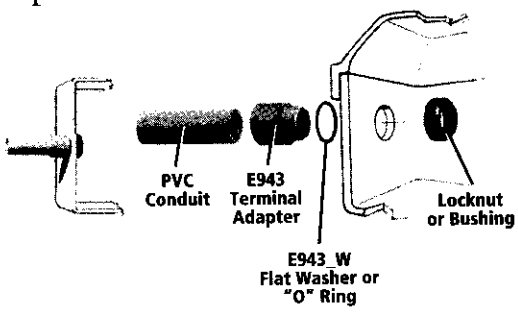
Terminating Carlon Plus 40® and Plus 80® rigid conduit is quick and easy utilizing either of the methods indicated below. Terminations may be made in any electrical box or enclosure using standard size knock-outs or drilled holes.

Method 1. Permanent Termination



Apply solvent cement to shoulder and shank of box adapter and insert through knock-out from inside the enclosure. Push coupling over the shank of the box adapter, tight against the enclosure wall. Rotate the coupling about one-half turn while installing, and hold in position for a few seconds to permit setting of solvent cement. The coupling is now ready for the conduit to be installed. Only the shoulder of the box adapter extends inside the enclosure.

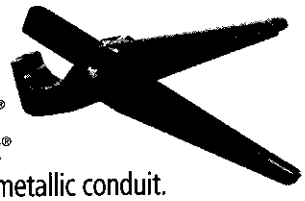
Method 2. Separable Termination



If watertight construction is required, place flat washer over the threads of the terminal adapter, securely against the shoulder. Insert the adapter threads through knock-out and secure using either a standard locknut or threaded bushing. If watertight construction is not required, eliminate flat washer.

PVC Conduit Cutters

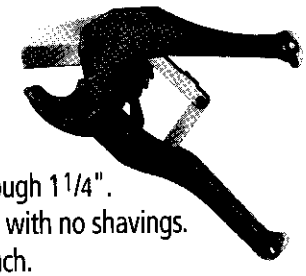
Kwikcut Cutter



For fast, smooth field cuts of 1/2" through 1" Schedule 40 and 80 rigid conduit, Flex-Plus® Blue™ ENT, and Carflex® liquidtight flexible nonmetallic conduit.

Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
CC120	8"	25	$21.94	$19.08

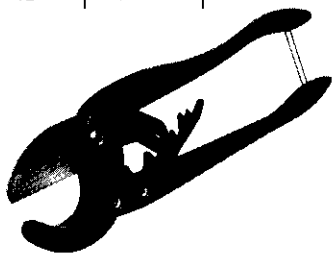
Cut-A-Way™ Cutter



Hand held cutter makes fast square, smooth field cuts on Schedule 40 and 80 conduit from 1/2" through 1 1/4". Produces burr-free cut with no shavings. Fits into pocket or pouch.

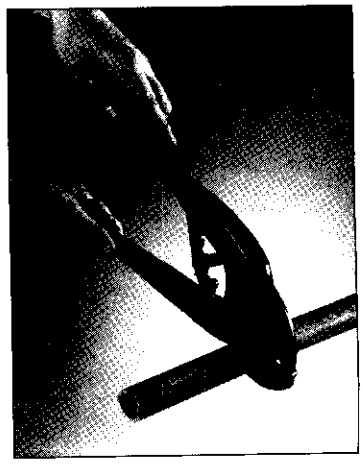
Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
CC125	9"	12	$73.14	$63.60

PVC Cutter



For clean cuts of conduit 1/2" through 2".

Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per ea.	Full Ctn. Price per ea.
CC122	17 1/2"	1	$152.38	$132.50



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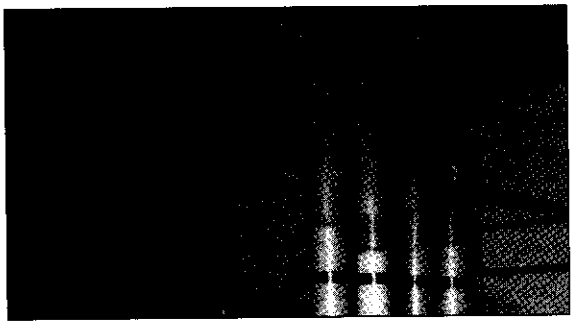
EZ BEND™ Conduit Bending Equipment



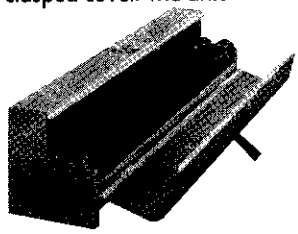
For field bending of small and large diameter nonmetallic conduit, the easy answer is Carlon EZ BEND* conduit bending equipment.

- Lightweight
- Fast, Simple and Safe
- Includes complete instructions and a convenient bending chart
- Portable
- Less expensive than factory bends

EZ BEND™ Conduit Bender, Jr.

A practical, convenient portable conduit bender for 1/2" through 2" diameter nonmetallic conduit allows bends up to 14" radius and to 90° elbows. The EZ BEND Conduit Bender, Jr. is a timesaving, easy-to-carry unit featuring a bracket to store the power cord, a carrying handle, and a clasped cover. The unit operates on a standard 20 amp, 120 V circuit.

Dimensions: 7 1/2" x 8 1/2" x 31"
Operating Temperature: 180° - 200°F



Part No.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Broken Ctn. Price per	Full Ctn. Price per
G280J	1	14	$448.99	$390.43

Carlon's EZ BEND Conduit Bending Equipment is designed with the electrical contractor in mind. The completely portable and fully encased EZ BEND benders and plug kits can be transported from job to job without damage or harm to the equipment. Additionally, the heavy duty construction and integrity of Carlon's EZ BEND Conduit Bending Equipment ensures that it will last for years to come.

EZ BEND is a registered trademark of Bradshaw Manufacturing, Inc.

Field Bending Rigid Nonmetallic Conduit

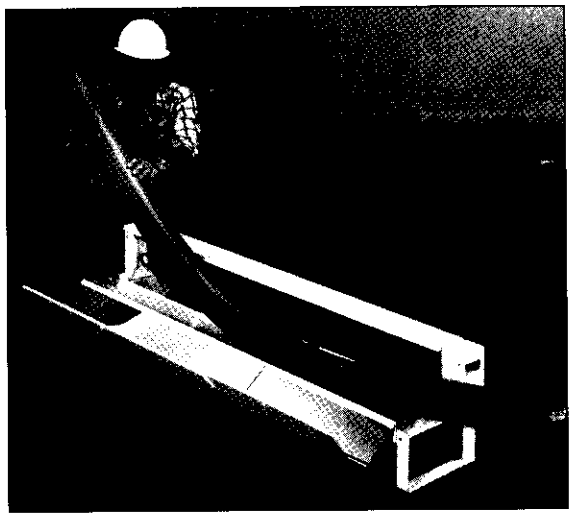
1. Heating

Conduit section to be bent must be heated evenly over the entire length of the curve. Carlon offers EZ BEND electric heaters designed specifically for the purpose, in sizes to accommodate all conduit diameters. These devices employ infra-red heat energy which is most quickly absorbed by the conduit. Small sizes are ready to bend after a few seconds, while larger diameters require two or three minutes, or more, depending on conditions. The use of torches or other flame-type devices is not recommended. PVC conduit exposed to excessively high temperatures may take on a brownish color. Sections showing evidence of such scorching should be discarded.

2. Forming The Bend

1/2" thru 1 1/2" Diameters – When properly heated the conduit is very flexible and can be shaped to almost any configuration. The conduit is then cooled by sponging with water, and the bend is ready to install.

2" and Larger Diameters – Larger sizes of conduits and ducts require internal support to prevent "crimping" or deforming during the bending process. Bending plugs are inserted in each end of the conduit section before heating. The plugs expand to provide an airtight seal. (Note: Carlon does not offer bending plugs.)



Minimum practice is required to master the three steps in bending nonmetallic conduits and ducts.

3. Cooling

As the conduit is heated, the retained air expands, and the increased internal pressure allows the conduit to be bent without deforming. The conduit must be cooled before the plugs are removed. For an immediate cool and set, sponge with cold water.

Special Bends

For "blind" bends or for compound turns in a conduit run, the heated conduit may be solvent cemented in place while still flexible.

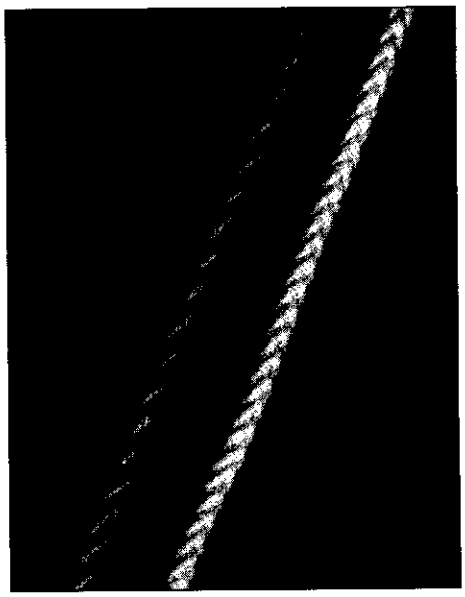
Price Schedule Code 63

Rope

(Conduit Pulling Lines for Conductors or Fiber Optics)

Yellow Three-Strand Copolymer Polyolefin Rope

This rope is manufactured to have a low coefficient of friction to provide easy, trouble-free pulling through polyethylene fiber-optic conduit and innerduct. Available in standard 5,000 foot and 10,000 foot reels.



Part No.	Reel Lengths	Diameter	Recommended Working Load (lbs.)	Approximate Avg. Tensile (lbs.)	Std. Ctn. Wt. (lbs.)	Price per Reel
RP14105	5,000 ft.	1/4"	113	1130	72	$365.83
RP14110	10,000 ft.	1/4"	113	1130	140	$731.65

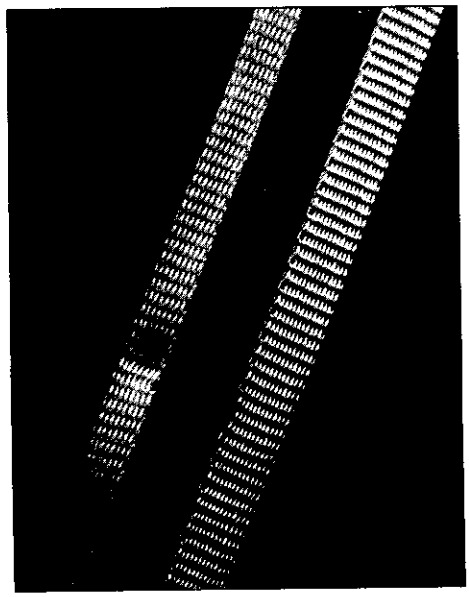
White Diamond Braid Rope

This rope is constructed of polyethylene over polyester, designed specifically for fiber-optic pulling. The polyethylene jacket gives the "slippery" feel that gives less drag in pulling through conduit. Available in standard 5,000 foot and 10,000 foot reels.

Part No.	Reel Length	Diameter	Recommended Working Load (lbs.)	Approximate Avg. Tensile (lbs.)	Std. Ctn. Wt. (lbs.)	Price per Reel
SB14105	5,000	1/4"	260	1700	100	$1610.00

Tape

Prelubricated, woven polyester tape made from low friction, high abrasion resistant yarns providing a low coefficient of friction. Tape is printed with sequential footage markings for accurate measurements.



Part No.	Size	Tensile Strength	Reel Lengths	Price per Reel
TL14505	1/2"	1250 lbs.	5,000 ft.	$677.45
TL14510	1/2"	1250 lbs.	10,000 ft.	$1201.35
TL38203	5/8"	1800 lbs.	3,000 ft.	$514.87
TL38265	5/8"	1800 lbs.	6,500 ft.	$1136.20
TL38210	5/8"	1800 lbs.	10,000 ft.	$1716.22

Other ropes and tapes are available. Consult your sales service location for additional information.

Shaded areas indicate non-stock factory make-to-order items only – Material is non-returnable and non-cancellable.

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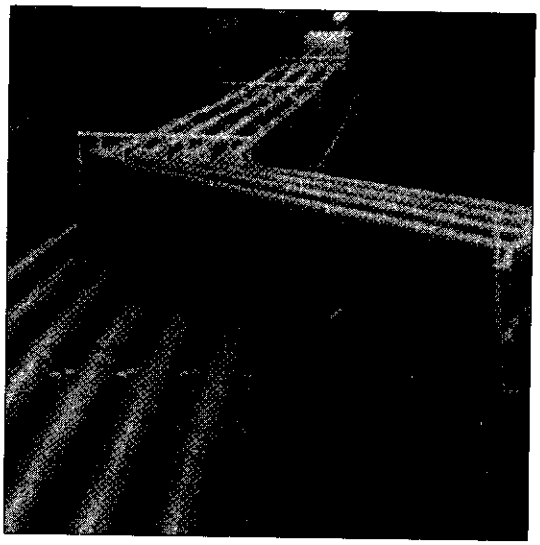
Carlon® Snap-Loc® Spacers

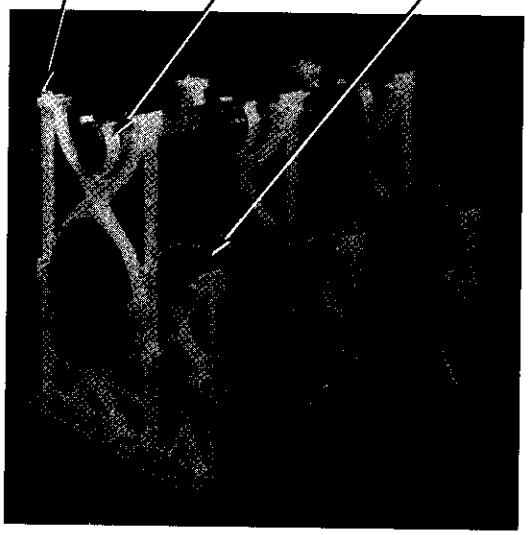
Carlon® Snap-Loc duct spacers provide stability and consistent separation and relieve direct stress for duct materials to be encased in concrete.

To meet the changing needs of the utility industry, Carlon® Snap-Loc Spacers provide:

- A side dovetail rail and groove design allowing for side-by-side interchangeability of conduit spacer sizes while maintaining horizontal stability.
- Locking key ways incorporated into intermediate spacers eliminate the need for costly top spacers in each size. The locking key ways provide for the use of a beaded strap that secures the top section of conduit.
- 1" and 2" Snap-Loc Reducers allow fixturing of 1" or 2" conduit inside larger spacers.
- The Snap-Loc Rebar Holder provides stabilization on large banks of spacers.

Nonmetallic Snap-Loc Spacers are designed specifically for use with nonmetallic duct, with maximum O.D. dimensions as specified in NEMA TC-2, TC-6 & 8, TC-10 and ASTM F512. The innovative vertical and horizontal interlocking Snap-Loc design has tapered joining slots with maximum tolerances for easy job site assembly.





Accessories – Snap-Loc Spacers

Price Schedule Code 17

Dimensions – Base Spacers

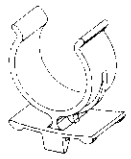
Part No.	Size*	A	C	D (Dia.)	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
S288JHN	2x1 1/2	4.25	4.12	2.50	100	$157.31	$136.79
S288JJN	2x2	4.25	4.62	2.50	100	$161.71	$140.62
S288JLN	2x3	4.25	5.62	2.50	100	$185.44	$161.25
S288LHN	3x1 1/2	4.81	5.25	3.63	90	$172.05	$149.61
S288LJN	3x2	4.81	5.75	3.63	80	$179.87	$156.41
S288LLN	3x3	4.81	6.75	3.63	60	$205.72	$178.89
S288NFN	4x1	5.31	5.75	4.63	70	$168.81	$146.79
S288NHN	4x1 1/2	5.31	6.25	4.63	50	$189.06	$164.40
S288NJN	4x2	5.31	6.75	4.63	50	$195.59	$170.08
S288NLN	4x3	5.31	7.75	4.63	60	$216.33	$188.03
S288PHN	5x1 1/2	5.84	7.31	5.69	50	$204.01	$177.40
S288PJN	5x2	5.84	7.81	5.69	60	$213.93	$186.03
S288PLN	5x3	5.84	8.81	5.69	50	$265.79	$231.02
S288RHN	6x1 1/2	6.38	8.38	6.75	50	$328.59	$285.73
S288RJN	6x2	6.38	8.88	6.75	50	$345.41	$300.36
S288RLN	6x3	6.38	9.88	8.75	40	$373.18	$324.50

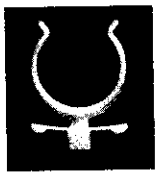
Dimensions – Intermediate Spacers

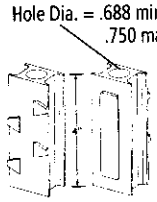
Part No.	Size*	A	C	D (Dia.)	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
S289JHN	2x1 1/2	3.88	4.12	2.50	120	$157.31	$136.79
S289JJN	2x2	4.38	4.62	2.50	100	$161.71	$140.62
S289JLN	2x3	5.38	5.62	2.50	80	$185.44	$161.25
S289LHN	3x1 1/2	5.01	5.25	3.63	100	$172.05	$149.61
S289LJN	3x2	5.51	5.75	3.63	80	$179.87	$156.41
S289LLN	3x3	6.51	6.75	3.63	60	$205.72	$178.89
S289NFN	4x1	5.51	5.75	4.63	70	$168.81	$146.79
S289NHN	4x1 1/2	6.01	6.25	4.63	60	$189.06	$164.40
S289NJN	4x2	6.51	6.75	4.63	60	$195.59	$170.08
S289NLN	4x3	7.51	7.75	4.63	50	$216.23	$188.03
S289PHN	5x1 1/2	7.07	7.31	5.69	50	$204.01	$177.40
S289PJN	5x2	7.57	7.81	5.69	50	$213.93	$186.03
S289PLN	5x3	8.57	8.81	5.69	30	$265.79	$231.12
S289RHN	6x1 1/2	8.14	8.38	6.75	50	$328.59	$285.73
S289RJN	6x2	8.64	8.88	6.75	40	$345.41	$300.36
S289RLN	6x3	9.64	9.88	8.75	30	$373.18	$324.50

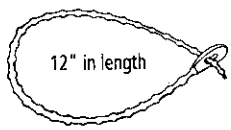
*First number indicates trade size of duct, second number indicates separation between conduits or ducts.

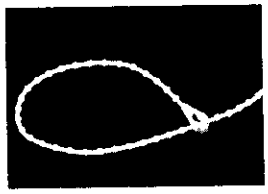
Accessories











Snap-Loc® Reducer

Part No.	Size	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
S287F	1"	100	$183.91	$159.92
S287J	2"	100	$237.88	$206.85

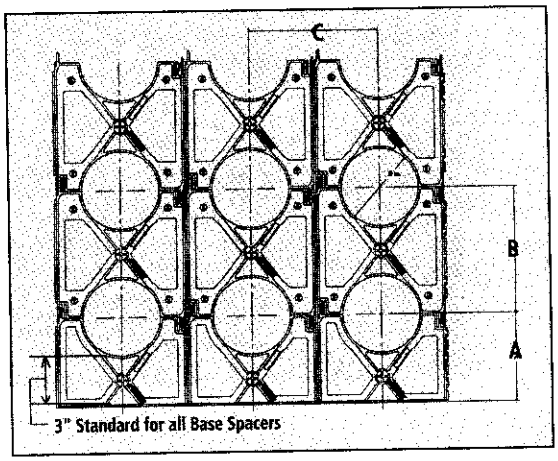
Rebar Holder

Part No.	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
S258RH	100	$240.55	$209.17

Beaded Strap

Part No.	Std. Ctn. Qty.	Broken Ctn. Price per Hu.	Full Ctn. Price per Hu.
S28612	5000	$70.24	$61.08

Specifications



Suggested Specification

(Duct) (Conduit) bank shall be encased in concrete with at least three inches of concrete at the top and bottom and two inches on each side. A horizontal and vertical separation between the ducts of ____* inches shall be maintained by installing Carlon high impact spacers with horizontal and vertical locking intervals of ____** feet.

*Standard Separations of 1", 1 1/2", 2", and 3" are available.

**Preferred interval between spacer assemblies is 8 to 10 feet.

Installation note

The Spacers and Rebar Holder are designed with a dovetail tongue and groove feature for easy installation.

If required to permanently fix the position of a group of Spacers and/or Rebar Holder, the following are recommended procedures:

1. Use Carlon Quick-set Cement glue during assembly or spot glue after assembly to secure.
2. During assembly, deform the edge of the tongue or groove portion of the dovetail slide with a pair of pliers or similar tool. This deformation will create an interference, restricting movement.
3. An assembled system may be wired together for additional support.

Spacer systems are not designated for use in direct burial applications.

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Alphanumeric

ALPHANUMERIC DISTRIBUTOR LIST PRICE GUIDE

DEFINITIONS

VENDOR/UPC NUMBER.: The 6-digit vendor number assigned to Carlon, and the 5-digit NAED/UPC code number assigned to the part number.

PART NUMBER: The part number assigned to the product.

DESCRIPTION: The description of the product.

LIST PRICE: The distributor list price for standard carton quantity against which a multiplier is applied.

BROKEN CARTON PRICE: The distributor list price for broken carton quantity. This is for distributor resale use only.

UOM: The unit of measure upon which the unit price is based. EA or FT.

STANDARD CARTON QUANTITY: The total quantity shipped in a standard carton.

STANDARD CARTON WEIGHT: The total shipping weight of a standard carton.

PRICE SCHEDULE CODE: The numeric code which identifies the multiplier required to determine the applicable net price for the product. The symbol "Q" means the part is not a matrix – priced item and is quote only.

1. Schedule 40 Fittings – Couplings, Female Adapters, Terminal Adapters
2. Schedule 40 Standard Radius Elbows
3. Schedule 80 Standard Radius Elbows
4. Switch Boxes and Covers
5. Weatherproof Outlet Covers – Standard & In-Use
6. Conduit Bodies and Junction Boxes
7. Special Application Fittings
   Box Adapters, End Bells, Stain Relief Connectors & Grommets, Riser Clips, End Caps, Reducers, Plugs, Service Entrance Caps, Offsets, Meter Risers, Concrete Sleeves, etc.
8. Weather-resistant Lighting
9. Conduit Clamps, Straps, Expansion Couplings, etc.
10. Surface Raceway – Single Channel, Carlon® Premier™, Carlon® Prestige™ & Cove Molding
11. Floor Boxes & Accessories
12. Bending Equipment and Cutters
13. Special Radius Schedule 40/80 Elbows
14. Carflex®, X-Flex™, Fittings & Cord Grips
15. Flex-Plus® Blue™ ENT, ENT Fittings, Boxes & Covers
16. Cement
17. Utility Products
    – Utility Conduit/Duct, PV-Mold®, P&C Flex®, Split Duct, P&C® Duct & Fittings, Spacers
18. Circuit Safe® NEMA Enclosures, Control Line®, Chimes
19. Himeline® Enclosures
20. Zip Box®
21. Wire Safe™ Wireway, Wiring Trough & Fittings
50. Riser-Gard®
55. Plenum-Gard®
63. Installation Accessories

PRICE GUIDE PAGE: The Section in the Carlon Price Guide where the product appears. A blank space indicates the part is not included in the front half of the price guide.

***Shaded items indicate non-stock factory make-to-order items only - material is non-returnable and non-cancellable.**

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481233626	17011	10 FT 2X2 WIREWAY CLT1	$86.95	$99.99	1 EA	1	4.7	21	46
034481233633	17013	10 FT 3X3 WIREWAY CLT3	$91.45	$105.17	1 EA	1	11.3	21	46
034481233640	17015	10 FT 4X4 WIREWAY CLT6	$111.63	$128.37	1 EA	1	11.2	21	46
034481233657	17017	10 FT 6X6 WIREWAY CLT9	$163.78	$188.35	1 EA	1	17.9	21	46
034481233664	18011	10 FT 2X2 TRGH W/2 EGSEJ	$133.91	$154.00	1 EA	1	4.8	21	46
034481233671	18013	10 FT 3X3 TRGH W/2 EGSEL	$140.02	$161.02	1 EA	1	8.1	21	46
034481233688	18015	10 FT 4X4 TRGH W/2 EGSEN	$167.61	$192.75	1 EA	1	11.6	21	46
034481233695	18017	10 FT 6X6 TRGH W/2 EGSER	$236.30	$271.75	1 EA	1	20.4	21	46
034481233701	18111	1 FT 2X2 TRGH W/2 EGSEJ	$40.16	$46.18	1 EA	1	0.6	21	46
034481233718	18113	1 FT 3X3 TRGH W/2 EGSEL	$41.13	$47.30	1 EA	1	1.0	21	46
034481233725	18115	1 FT 4X4 TRGH W/2 EGSEN	$46.93	$53.97	1 EA	1	1.4	21	46
034481233732	18117	1 FT 6X6 TRGH W/2 EGSER	$59.51	$68.44	1 EA	1	3.1	21	46
034481233749	18211	2 FT 2X2 TRGH W/2 EGSEJ	$50.63	$58.22	1 EA	1	1.1	21	46
034481233756	18213	2 FT 3X3 TRGH W/2 EGSEL	$52.08	$59.89	1 EA	1	1.8	21	46
034481233763	18215	2 FT 4X4 TRGH W/2 EGSEN	$60.35	$69.40	1 EA	1	2.6	21	46
034481233770	18217	2 FT 6X6 TRGH W/2 EGSER	$79.16	$91.03	1 EA	1	5.3	21	46
034481233787	18311	3 FT 2X2 TRGH W/2 EGSEJ	$60.97	$70.12	1 EA	1	1.5	21	46
034481233794	18313	3 FT 3X3 TRGH W/2 EGSEL	$63.02	$72.47	1 EA	1	2.6	21	46
034481233800	18315	3 FT 4X4 TRGH W/2 EGSEN	$73.69	$84.74	1 EA	1	3.7	21	46
034481233817	18317	3 FT 6X6 TRGH W/2 EGSER	$98.80	$113.62	1 EA	1	7.4	21	46
034481233824	18411	4 FT 2X2 TRGH W/2 EGSEJ	$71.29	$81.98	1 EA	1	2.0	21	46
034481233831	18413	4 FT 3X3 TRGH W/2 EGSEL	$73.90	$84.99	1 EA	1	3.3	21	46
034481233848	18415	4 FT 4X4 TRGH W/2 EGSEN	$87.12	$100.19	1 EA	1	4.8	21	46
034481233855	18417	4 FT 6X6 TRGH W/2 EGSER	$118.41	$136.17	1 EA	1	9.6	21	46
034481233862	18511	5 FT 2X2 TRGH W/2 EGSEJ	$81.83	$94.10	1 EA	1	2.5	21	46
034481233879	18513	5 FT 3X3 TRGH W/2 EGSEL	$85.02	$97.77	1 EA	1	4.1	21	46
034481233886	18515	5 FT 4X4 TRGH W/2 EGSEN	$100.53	$115.61	1 EA	1	5.9	21	46
034481233893	18517	5 FT 6X6 TRGH W/2 EGSER	$138.55	$159.33	1 EA	1	11.7	21	46
034481233909	18611	6 FT 2X2 TRGH W/2 EGSEJ	$92.19	$106.02	1 EA	1	2.9	21	46
034481233916	18613	6 FT 3X3 TRGH W/2 EGSEL	$96.00	$110.40	1 EA	1	4.9	21	46
034481233923	18615	6 FT 4X4 TRGH W/2 EGSEN	$113.37	$130.38	1 EA	1	7.1	21	46
034481233930	18617	6 FT 6X6 TRGH W/2 EGSER	$158.16	$181.88	1 EA	1	13.8	21	46
034481591115	59111	2 PV MOLD BACK PLATE	$14.24	$16.38	1 EA	1	1.2	17	185
034481591139	59113	3 PV MOLD BACK PLATE	$19.99	$22.99	1 EA	1	1.5	17	185
034481591153	59115	4 PV MOLD BACK PLATE	$27.80	$31.97	1 EA	1	3.0	17	185
034481591160	59116	5 PV MOLD BACK PLATE	$41.69	$47.94	1 EA	1	3.1	17	185
034481235835	59117	6 PV MOLD BACK PLATE	$74.19	$85.32	1 EA	1	4.2	17	184
034481231387	11810-250	1-1/2" P & C FLEX DUCT	$155.05	-	100 FT	250	49.5	17	182
034481231417	11810T-250	1 1/2" P & C FLEX DUCT W/POLY TAPE 250FT	$182.95	-	100 FT	250	81.0	17	182
034481231431	11811-250	2" P & C FLEX DUCT	$188.44	-	100 FT	250	100.5	17	182
034481231455	11811-700	2 P&C FLEX DUCT CORR	$188.44	-	100 FT	700	172.2	17	182
034481231493	11811T-250	2" P & C FLEX DUCT W/POLY TAPE	$219.50	-	100 FT	250	102.5	17	182
034481231516	11812-250	2-1/2" P & C FLEX DUCT	$205.97	-	100 FT	250	125.5	17	182
034481118961	11812AG-001	2-1/2" P & C FLEX 1300' REEL	$205.97	-	100 FT	1,300	509.6	17	182
034481231530	11813-250	3" P & C FLEX DUCT	$348.25	-	100 FT	250	193.0	17	182
034481231547	11815-250	4" P & C FLEX DUCT	$461.41	-	100 FT	250	253.5	17	182
034481231677	12005-200	1/2" BLUE ENT 200' COIL	$33.94	-	100 FT	200	18.9	15	18
034481231707	12005AK-001	1/2" BLUE ENT 1,500' REEL	$35.26	-	100 FT	1,500	193.5	15	19
034481150206	12005AK-1000	1/2" BLUE ENT 1000' REEL	$36.64	-	100 FT	1,000	129.0	15	

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034481231783	12005R-200	1/2" RED ENT 200' COIL	$36.72	-	100 FT	200	20.6	15	18
034481024835	12005-UPC	1/2 FLEX PLUS ENT	$33.94	$39.03	100 FT	200	21.6	15	18
034481231806	12005Y-200	1/2" YELLOW ENT 200' COIL	$36.72	-	100 FT	200	20.6	15	18
034481231837	12007-100	3/4" BLUE ENT 100' COIL	$46.93	-	100 FT	100	12.9	15	18
034481231868	12007AA-001	3/4" BLUE ENT 1,000' REEL	$52.00	-	100 FT	1,000	176.0	15	19
034481231936	12007R-100	3/4" RED ENT 100' COIL	$50.74	-	100 FT	100	13.6	15	18
034481024828	12007-UPC	3/4 FLEX PLUS ENT	$46.93	$53.97	100 FT	100	13.9	15	18
034481231967	12007Y-100	3/4" YELLOW ENT 100' COIL	$50.74	-	100 FT	100	13.6	15	18
034481231974	12008-010	1" BLUE ENT 10'	$75.34	$86.64	100 FT	100	19.1	15	18
034481231981	12008-100	1" BLUE ENT 100' COIL	$75.34	-	100 FT	100	16.0	15	18
034481232018	12008-750	1" BLUE ENT 750' REEL	$76.60	-	100 FT	750	143.3	15	19
034481021261	12008R-100	1" RED ENT 100' COIL	$81.55	-	100 FT	100	21.5	15	18
034481232094	12008R-750	1" RED ENT 750' REEL	$81.55	-	100 FT	750	143.3	15	19
034481022015	12008Y-100	1" YELLOW ENT 100' COIL	$81.55	-	100 FT	100	21.5	15	18
034481232117	12008Y-750	1" YELLOW ENT 750' REEL	$81.55	-	100 FT	750	143.3	15	19
034481002802	12009-750	1-1/4" BLUE ENT 750' REEL	$103.45	-	100 FT	750	138.0	15	19
034481002932	12010-750	1-1/2" BLUE ENT 750' REEL	$142.24	-	100 FT	750	294.0	15	19
034481002833	12011-500	2" BLUE ENT 500' REEL	$165.52	-	100 FT	500	158.0	15	19
034481149187	12011R-500	2 FLEX PLUS RED ENT	$215.99	-	100 FT	500	158.0	15	18
034481232223	1205AKR-001	1/2" RED ENT 1,500' REEL	$38.16	-	100 FT	1,500	154.5	15	19
034481232230	1205AKY-001	1/2" YELLOW ENT 1,500' REEL	$38.16	-	100 FT	1,500	154.5	15	19
034481232254	1207AAR-001	3/4" RED ENT 1,000' REEL	$55.89	-	100 FT	1,000	136.0	15	19
034481002468	1207AAY-001	3/4" YELLOW ENT 1,000' REEL	$55.89	-	100 FT	1,000	136.0	15	19
034481232995	15004-001	3/8" CARFLEX LIQUIDTIGHT 1,000' REEL	$81.12	-	100 FT	1,000	128.0	14	4
034481233015	15004-100	3/8" CARFLEX LIQUIDTIGHT 100' COIL	$81.12	-	100 FT	100	14.7	14	4
034481233046	15005-001	1/2" CARFLEX LIQUIDTIGHT 1,000' REEL	$87.87	-	100 FT	1,000	133.0	14	4
034481233053	15005-100	1/2" CARFLEX LIQUIDTIGHT 100' COIL	$84.56	-	100 FT	100	13.0	14	4
034481085720	15005BK-001	1/2"CARFLEX LT 1,000' REEL - BLACK	$92.04	-	100 FT	1,000	133.0	14	4
034481038634	15005BK-100	1/2" CARFLEX L/T 100' COIL - BLACK	$95.65	-	100 FT	100	13.3	14	4
034481233145	15007-001	3/4" CARFLEX LIQUIDTIGHT 1,000' REEL	$121.67	-	100 FT	1,000	163.0	14	4
034481233152	15007-100	3/4" CARFLEX LIQUIDTIGHT 100' COIL	$117.08	-	100 FT	100	18.0	14	4
034481233282	15008-100	1" CARFLEX LIQUIDTIGHT 100' COIL	$235.62	-	100 FT	100	28.0	14	4
034481233305	15008-500	1" CARFLEX LIQUIDTIGHT 500' REEL	$244.86	-	100 FT	500	129.5	14	4
034481233350	15009-100	1-1/4" CARFLEX LIQUIDTIGHT 100' COIL	$307.63	-	100 FT	100	37.1	14	4
034481233367	15009-200	1-1/4" CARFLEX LIQUIDTIGHT 200' REEL	$319.70	-	100 FT	200	67.8	14	4
034481233411	15010-100	1-1/2" CARFLEX LIQUIDTIGHT 100' COIL	$435.94	-	100 FT	100	47.8	14	4
034481233428	15010-150	1-1/2" CARFLEX LIQUIDTIGHT 150' REEL	$444.32	-	100 FT	150	66.9	14	4
034481233480	15011-050	2" CARFLEX LIQUIDTIGHT 50' COIL	$531.26	-	100 FT	50	34.1	14	4
034481233497	15011-100	2" CARFLEX LIQUIDTIGHT 100' REEL	$531.26	-	100 FT	100	63.8	14	4
034481233541	15104-100	3/8" X-FLEX LIQUIDTIGHT 100' COIL	$106.82	-	100 FT	100	7.4	14	4
034481233558	15105-100	1/2" X-FLEX LIQUIDTIGHT 100' COIL	$142.56	-	100 FT	100	10.7	14	4
034481233565	15107-100	3/4" X-FLEX LIQUIDTIGHT 100' COIL	$191.90	-	100 FT	100	12.4	14	4
034481233572	15108-100	1" X-FLEX LIQUIDTIGHT 100' COIL	$296.07	-	100 FT	100	20.5	14	4
034481233589	15109-100	1-1/4" X-FLEX LIQUIDTIGHT 100' COIL	$371.81	-	100 FT	100	31.0	14	4
034481233596	15110-100	1-1/2" X-FLEX LIQUIDTIGHT 100' COIL	$485.36	-	100 FT	100	38.0	14	4
034481233602	15111-050	2" X-FLEX LIQUIDTIGHT 50' COIL	$575.94	-	100 FT	50	16.0	14	4
034481076346	2RRC	RWY CABLE RETAINER, CHAMFERED	$86.25	$99.19	100 EA	10	0.3	10	128
034481076353	2RRF	RWY, CABLE RETAINER, STRAIGHT	$99.60	$114.54	100 EA	10	0.3	10	128
034481076360	2RRS	RWY, CABLE RETAINER, SQ & RECESSED	$100.82	$115.94	100 EA	10	0.3	10	128

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034481077770	2RWA90	ADAPTER, MULTI-CHAN COVE TO STD	$356.17	$409.60	100 EA	5	0.5	10	133
034481077015	2RWAC	ADAPTER, CHMF, MULTI-CHAN TO STD	$436.09	$501.50	100 EA	10	1.2	10	128
034481077039	2RWAS	ADAPTER, SQ, MULTI-CHAN TO STD	$229.58	$264.02	100 EA	10	0.5	10	128
034481076391	2RWBRG	RWY BRIDGE CROSS OVER-WHITE	$356.17	$409.60	100 EA	10	0.6	10	128
034481076186	2RWC90-010	10' RWY, COV, MULTI-CHAN, CVR & BASE	$547.34	$629.44	100 FT	20	15.1	10	133
034481076247	2RWCC-010	10' RWY CVR, CHMF, MULTI-CHAN	$277.81	$319.48	100 FT	40	2.5	10	121
034481076285	2RWCF-010	10 RWY CVR, FLAT, MULTI-CHAN	$268.33	$308.58	100 FT	40	2.5	10	121
034481077756	2RWCP90	CVR, CPLG, MULTI-CHAN COVE	$144.59	$166.28	100 EA	10	0.3	10	133
034481076261	2RWCS-010	10' RWY, CVR, SQ MULTI-CHAN	$262.38	$301.74	100 FT	40	2.5	10	121
034481077657	2RWCS90	CABLE STRAP, MULTI-CHAN, COVE	$144.69	$166.39	100 EA	10	0.5	10	133
034481077411	2RWCSC	CVR SEAL, RH/LH, CHMF	$78.96	$90.80	100 EA	10	0.6	10	129
034481077497	2RWCSE	CVR SEAL, RH/LH, EXT CARRIER	$87.47	$100.59	100 EA	10	0.2	10	129
034481077459	2RWCSF	CVR SEAL, RH/LH, FLAT	$70.46	$81.03	100 EA	10	0.1	10	129
034481077435	2RWCSS	CVR SEAL, RH/LH, SQUARE	$78.96	$90.80	100 EA	10	2.3	10	129
034481147114	2RWDDK	DUAL DEVICE YOKE KIT	$1,483.02	$1,705.47	100 EA	1	0.4	10	127
034481076377	2RWDS-050	50' RWY DIVIDER SUPPORT-WHITE	$84.56	-	100 FT	50	3.0	10	127
034481077794	2RWDY	DEVICE YOKE, MULTI-CHAN	$1,371.43	$1,577.14	100 EA	2	0.6	10	127
034481077817	2RWDYBB	DEVICE BACK BOX, MULTI-CHAN	$866.10	$996.02	100 EA	2	0.3	10	127
034481076858	2RWEC12	END CAP, SERIES 120-WHITE	$1,053.17	$1,211.15	100 EA	1	0.3	10	121
034481076872	2RWEC13	END CAP, SERIES 130-WHITE	$1,053.17	$1,211.15	100 EA	1	0.3	10	122
034481076896	2RWEC14	END CAP, SERIES 140-WHITE	$1,053.17	$1,211.15	100 EA	1	0.3	10	123
034481076933	2RWEC16	END CAP, SERIES 160-WHITE	$1,053.17	$1,211.15	100 EA	1	0.5	10	124
034481076957	2RWEC17	END CAP, SERIES 170-WHITE	$1,055.60	$1,213.94	100 EA	1	0.5	10	125
034481076995	2RWEC19	END CAP, SERIES 190-WHITE	$1,185.58	$1,363.42	100 EA	1	0.5	10	126
034481077596	2RWEC90	END CAP, MULTI-CHAN, COVE	$169.18	$194.56	100 EA	10	0.5	10	133
034481146162	2RWECL14	S/R End Cap, long, ser. 140	$1,871.37	$2,152.08	100 EA	1	0.4	10	123
034481076452	2RWEE12	ELBOW, EXT, SERIES 120-WHITE	$1,416.38	$1,628.84	100 EA	1	0.5	10	121
034481076476	2RWEE13	ELBOW, EXT, SERIES 130-WHITE	$1,317.98	$1,515.68	100 EA	1	0.7	10	122
034481076490	2RWEE14	ELBOW, EXT, SERIES 140-WHITE	$1,381.15	$1,588.32	100 EA	1	0.5	10	123
034481076537	2RWEE16	ELBOW, EXT, SERIES 160-WHITE	$1,605.87	$1,846.75	100 EA	1	0.7	10	124
034481076551	2RWEE17	ELBOW, EXT, SERIES 170-WHITE	$1,635.03	$1,880.28	100 EA	1	0.7	10	125
034481076599	2RWEE19	ELBOW, EXT, SERIES 190-WHITE	$1,830.59	$2,105.18	100 EA	1	0.9	10	126
034481077633	2RWEE90	ELBOW, EXT, MULTI-CHAN, COVE	$507.54	$583.67	100 EA	2	0.4	10	133
034481083696	2RWEF2D	ELBOW, FLAT, SQ, SERIES 120	$6,258.28	$7,197.02	100 EA	1	1.9	10	121
034481083672	2RWEF2U	ELBOW, FLAT, CHMF, SERIES 120	$4,850.41	$5,577.97	100 EA	1	1.8	10	121
034481083719	2RWEF3	ELBOW, FLAT, SQ, SERIES 130	$4,319.57	$4,967.51	100 EA	1	1.9	10	122
034481083733	2RWEF4	ELBOW, CHMF, SERIES 140	$4,382.74	$5,040.15	100 EA	1	1.8	10	123
034481083795	2RWEF6D	ELBOW, STRAIGHT, SERIES 160	$5,341.16	$6,142.33	100 EA	1	2.4	10	124
034481083771	2RWEF6U	ELBOW, CHMF, SERIES 160	$5,389.74	$6,198.20	100 EA	1	2.4	10	124
034481083832	2RWEF7D	ELBOW, STRAIGHT, SERIES 170	$5,305.93	$6,101.82	100 EA	1	2.5	10	125
034481083818	2RWEF7U	ELBOW, SQ, SERIES 170	$5,353.31	$6,156.31	100 EA	1	2.4	10	125
034481083894	2RWEF9	ELBOW, STRAIGHT, SERIES 190	$6,465.99	$7,435.89	100 EA	1	0.4	10	126
034481076650	2RWEI12	ELBOW, INT, SERIES 120-WHITE	$1,378.71	$1,585.52	100 EA	1	0.5	10	121
034481076674	2RWEI13	ELBOW, INT, SERIES 130-WHITE	$1,378.71	$1,585.52	100 EA	1	0.7	10	122
034481076698	2RWEI14	ELBOW, INT, SERIES 140-WHITE	$1,381.15	$1,588.32	100 EA	1	0.4	10	123
034481076735	2RWEI16	ELBOW, INT, SERIES 160-WHITE	$1,519.62	$1,747.56	100 EA	1	0.7	10	124
034481076759	2RWEI17	ELBOW, INT, SERIES 170-WHITE	$1,518.42	$1,746.18	100 EA	1	0.7	10	125
034481076797	2RWEI19	ELBOW, INT, SERIES 190-WHITE	$1,659.32	$1,908.22	100 EA	1	0.5	10	126
034481077619	2RWEI90	ELBOW, INT, MULTI-CHAN, COVE	$508.81	$585.13	100 EA	2	1.7	10	133

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034481076209	2RWMB-010	10' RWY BASE, MULTI-CHAN	$579.18	$666.06	100 FT	20	5.8	10	121
034481143932	2RWMBAC	S/R TRANS FITTING (30 TO CHAMFER)	$3,863.72	$4,443.28	100 EA	1	0.6	10	129
034481076322	2RWMBCP	RWY BASE, CPLG, MULTI-CHAN	$266.03	$305.93	100 EA	5	0.6	10	129
034481076223	2RWMBE-010	10' RWY BASE, EXT, MULTI-CHAN	$293.12	$337.09	100 FT	40	12.2	10	124
034481083993	2RWT23	TEE, CHMF, SERIES 120 TO 130	$5,418.90	$6,231.74	100 EA	1	2.2	10	121
034481084020	2RWT24	TEE, SQ, SERIES 120 TO 140	$5,418.90	$6,231.74	100 EA	1	2.5	10	121
034481084044	2RWT33	TEE, SQ, SERIES 130 TO 130	$5,392.18	$6,201.01	100 EA	1	2.4	10	122
034481084075	2RWT44	TEE, CHMF, SERIES 140 TO 140	$3,581.01	$4,118.16	100 EA	1	2.2	10	123
034481084143	2RWT64	TEE, STRAIGHT, SERIES 160 TO 190	$6,644.57	$7,641.26	100 EA	1	3.2	10	123
034481084129	2RWT69	TEE, CHMF, SERIES 160 TO 190	$6,879.00	$7,910.85	100 EA	1	3.0	10	124
034481084198	2RWT73	TEE, STRAIGHT, SERIES 170 TO 130	$6,793.97	$7,813.07	100 EA	1	2.2	10	125
034481084174	2RWT79	TEE, SQ, SERIES 170 TO 190	$6,937.31	$7,977.91	100 EA	1	3.2	10	125
034481084273	2RWT99	TEE,STRAIT,SER 190 TO 190	$6,940.69	$7,981.79	100 EA	1	4.3	10	126
034481077831	2RWTLA	TRANS LID ADAPTER TO STD	$440.95	$507.09	100 EA	5	0.4	10	127
034481234234	48711-020	2" EB-20 TC-6 DUCT 20'	$56.72	$65.23	100 FT	2,800	999.6	Q	170
034481234258	48713-020	3" EB-20 TC-6 DUCT 20'	$82.11	$94.43	100 FT	2,000	1188.0	Q	170
034481234289	48715-020	4" EB-20 TC-6 DUCT 20'	$134.11	$154.23	100 FT	1,140	1117.2	Q	170
034481234302	48716-020	5" EB-20 TC-6 DUCT 20'	$203.69	$234.24	100 FT	760	1125.6	Q	170
034481234326	48717-020	6" EB-20 TC-6 DUCT 20'	$292.47	$336.34	100 FT	520	1100.8	Q	170
034481234357	48808-020	1" DB-120 TC-8 DUCT 20'	$34.12	$39.24	100 FT	8,000	1416.0	Q	171
034481234364	48810-020	1-1/2" DB-120 TC-8 DUCT 20'	$49.90	$57.39	100 FT	4,500	1251.0	Q	171
034481234388	48811-020	2" DB-60 TC-6 DUCT 20'	$32.72	$37.63	100 FT	2,800	1055.6	Q	171
034481234432	48813-020	3" DB-60 TC-6 DUCT 20'	$114.62	$131.81	100 FT	2,000	1612.0	Q	171
034481234487	48815-020	4" DB-60 TC-6 DUCT 20'	$186.58	$214.57	100 FT	1,140	1511.6	Q	171
034481234548	48816-020	5" DB-60 TC-6 DUCT 20'	$286.60	$329.59	100 FT	760	1538.2	Q	171
034481234579	48817-020	6" DB-60 TC-6 DUCT 20'	$406.59	$467.58	100 FT	520	1498.1	Q	171
034481234685	49005-010	1/2" SCH 40 NM CONDUIT 10'	$37.83	$43.50	100 FT	6000	1044.0	Q	144
034481234722	49007-010	3/4" SCH 40 NM CONDUIT 10'	$50.19	$57.72	100 FT	4400	1021.0	Q	144
034481234746	49007-020	3/4" SCH 40 NM CONDUIT 20'	$50.19	$57.72	100 FT	8,800	2042.0	Q	144
034481234777	49008-010	1" SCH 40 NM CONDUIT 10'	$74.91	$86.15	100 FT	3600	1228.0	Q	144
034481234784	49008-020	1" SCH 40 NM CONDUIT 20'	$74.91	$86.15	100 FT	7,200	2455.0	Q	144
034481234814	49009-010	1-1/4" SCH 40 NM CONDUIT 10'	$101.97	$117.27	100 FT	3300	1551.0	Q	144
034481234821	49009-020	1-1/4" SCH 40 NM CONDUIT 20'	$101.97	$117.27	100 FT	6,600	3102.0	Q	144
034481234852	49010-010	1-1/2" SCH 40 NM CONDUIT 10'	$122.19	$140.52	100 FT	2250	1265.0	Q	144
034481234869	49010-020	1-1/2" SCH 40 NM CONDUIT 20'	$122.19	$140.52	100 FT	4,500	2529.0	Q	144
034481234890	49011-010	2" SCH 40 NM CONDUIT 10'	$160.08	$184.09	100 FT	1400	1056.0	Q	144
034481234906	49011-020	2" SCH 40 NM CONDUIT 20'	$160.08	$184.09	100 FT	2,800	2111.2	Q	144
034481011477	49011SD-010	2" SCH 40 SPLIT DUCT 10'	$460.55	$529.63	100 FT	700	563.5	17	187
034481234975	49012-010	2-1/2" SCH 40 NM CONDUIT 10'	$257.01	$295.56	100 FT	930	1157.0	Q	144
034481234999	49012-020	2-1/2" SCH 40 NM CONDUIT 20'	$257.01	$295.56	100 FT	1,860	2314.0	Q	144
034481135777	49012SD-010	2 1/2" SCHEDULE 40 SPLIT DUCT 10'	$586.88	$674.91	100 FT	460	572.2	17	187
034481235019	49013-010	3" SCH 40 NM CONDUIT 10'	$305.46	$351.28	100 FT	880	1434.0	Q	144
034481235026	49013-020	3" SCH 40 NM CONDUIT 20'	$305.46	$351.28	100 FT	1,760	2867.0	Q	144
034481011484	49013SD-010	3" SCH 40 SPLIT DUCT 10'	$622.09	$715.40	100 FT	500	857.0	17	187
034481235040	49014-010	3-1/2" SCH 40 NM CONDUIT 10'	$392.44	$451.31	100 FT	630	1237.0	Q	144
034481235057	49014-020	3-1/2" SCH 40 NM CONDUIT 20'	$392.44	$451.31	100 FT	1,260	2473.4	Q	144
034481036500	49014SD-010	3-1/2" SCH 40 SPLIT DUCT 10'	$675.42	$776.73	100 FT	290	569.3	17	187
034481235071	49015-010	4" SCH 40 NM CONDUIT 10'	$428.78	$493.10	100 FT	570	1322.0	Q	144
034481235088	49015-020	4" SCH 40 NM CONDUIT 20'	$428.78	$493.10	100 FT	1,140	2645.0	Q	144

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034481011491	49015SD-010	4" SCH 40 SPLIT DUCT 10'	$1,103.09	$1,268.55	100 FT	290	701.2	17	187
034481235118	49016-010	5" SCH 40 NM CONDUIT 10'	$622.64	$716.04	100 FT	380	1198.0	Q	144
034481235132	49016-020	5" SCH 40 NM CONDUIT 20'	$622.64	$716.04	100 FT	760	2396.0	Q	144
034481011507	49016SD-010	5" SCH 40 SPLIT DUCT 10'	$1,488.89	$1,712.22	100 FT	230	751.0	17	187
034481235156	49017-010	6" SCH 40 NM CONDUIT 10'	$822.44	$945.81	100 FT	260	1063.0	Q	144
034481235163	49017-020	6" SCH 40 NM CONDUIT 20'	$822.44	$945.81	100 FT	520	2126.0	Q	144
034481011514	49017SD-010	6" SCH 40 SPLIT DUCT 10'	$1,923.33	$2,211.83	100 FT	130	548.1	17	187
034481235248	49405-010	1/2" SCH 80 NM CONDUIT 10'	$45.79	$52.66	100 FT	6000	1290.0	Q	144
034481235262	49407-010	3/4" SCH 80 NM CONDUIT 10'	$61.51	$70.74	100 FT	4400	1298.0	Q	144
034481235286	49408-010	1" SCH 80 NM CONDUIT 10'	$88.10	$101.32	100 FT	3600	1566.0	Q	144
034481235316	49409-010	1-1/4" SCH 80 NM CONDUIT 10'	$123.04	$141.50	100 FT	3300	1990.0	Q	144
034481235330	49410-010	1-1/2" SCH 80 NM CONDUIT 10'	$146.52	$168.50	100 FT	2250	1643.0	Q	144
034481235347	49410-020	1-1/2" SCH 80 NM CONDUIT 20'	$146.52	$168.50	FT	3600	2610.0	Q	144
034481235378	49411-010	2" SCH 80 NM CONDUIT 10'	$201.84	$232.12	100 FT	1400	1417.0	Q	144
034481235385	49411-020	2" SCH 80 NM CONDUIT 20'	$201.84	$232.12	100 FT	2,800	2828.0	Q	144
034481211280	49411SD-010	2" SCH 80 SPLIT DUCT 10'	$460.54	$529.62	100 FT	700	749.0	17	187
034481235415	49412-010	2-1/2" SCH 80 NM CONDUIT 10'	$308.65	$354.95	100 FT	930	1436.0	Q	144
034481235422	49412-020	2-1/2" SCH 80 NM CONDUIT 20'	$308.65	$354.95	FT	1880	2902.7	Q	144
034481235446	49413-010	3" SCH 80 NM CONDUIT 10'	$411.81	$473.58	100 FT	880	1852.0	Q	144
034481235453	49413-020	3" SCH 80 NM CONDUIT 20'	$380.88	$438.01	100 FT	1,760	3704.8	Q	144
034481146735	49413N	3" SCH 80 5' POLE RISERS	$2,977.07	$3,423.63	100 FT	5	11.0	17	185
034481235491	49415-010	4" SCH 80 NM CONDUIT 10'	$599.32	$689.22	100 FT	570	1754.5	Q	144
034481235507	49415-020	4" SCH 80 NM CONDUIT 20'	$599.32	$689.22	FT	1140	3508.9	Q	144
034481146742	49415N	4" SCH 80 5' POLE RISER	$4,243.91	$4,880.50	100 FT	5	16.0	17	185
034481011453	49415SD-010	4" SCH 80 Split Duct 10'	$1,219.00	$1,401.85	FT	290	922.0	17	187
034481235552	49416-010	5" SCH 80 NM CONDUIT 10'	$864.09	$993.70	100 FT	380	1625.6	Q	144
034481235569	49416-020	5" SCH 80 NM CONDUIT 20'	$864.09	$993.70	FT	760	3251.3	Q	144
034481235583	49417-010	6" SCH 80 NM CONDUIT 10'	$1,187.31	$1,365.41	100 FT	260	1528.3	Q	144
034481235590	49417-020	6 PLUS 80 NM CONDUIT	$1,187.30	$1,365.40	100 FT	520	3056.6	Q	144
034481008767	59010N	1-1/2" SCH 40 PV MOLD	$19.84	$22.82	1 EA	200	1142.0	17	184
034481004752	59011N	2" SCH 40 PV MOLD	$25.90	$29.79	1 EA	136	1213.9	17	184
034481005063	59013N	3" SCH 40 PV MOLD	$54.46	$62.63	1 EA	66	936.9	17	184
034481005056	59015N	4" SCH 40 PV MOLD	$75.57	$86.91	1 EA	65	1621.0	17	184
034481029243	59015X	4" SCH 40 PV MOLD 5'	$61.21	$70.39	1 EA	65	706.9	17	184
034481004738	59016N	5" SCH 40 PV MOLD	$100.82	$115.94	1 EA	30	870.3	17	184
034481009887	59017N	6" SCH 40 PV MOLD	$128.12	$147.34	1 EA	30	1160.1	17	184
034481009535	59208N	1" STANDARD DUTY PV MOLD	$23.66	$27.21	1 EA	294	1058.4	17	184
034481004769	59211N	2" STANDARD DUTY PV MOLD	$28.06	$32.27	1 EA	136	726.2	17	184
034481011347	59211X	2" STANDARD DUTY PV MOLD 5'	$28.59	$32.88	1 EA	136	363.1	17	184
034481005360	59213N	3" STANDARD DUTY PV MOLD	$44.37	$51.03	1 EA	66	761.0	17	184
034481009689	59213X	3" STANDARD DUTY PV MOLD 5'	$45.21	$51.99	1 EA	66	380.5	17	184
034481005346	59215N	4" STANDARD DUTY PV MOLD	$53.89	$61.97	1 EA	65	910.0	17	184
034481004745	59216N	5" STANDARD DUTY PV MOLD	$66.04	$75.95	1 EA	30	514.5	17	184
034481004776	59411N	2" SCH 80 PV MOLD	$36.14	$41.56	1 EA	136	1549.0	17	184
034481005353	59413N	3" SCH 80 PV MOLD	$77.25	$88.84	1 EA	66	1494.9	17	184
034481235958	59610-010	1-1/2" SCH 40 NON-UL CONDUIT 10'	$122.19	$140.52	100 FT	2,250	1248.8	Q	168
034481235965	59610-020	1-1/2" SCH 40 NON-UL CONDUIT 20'	$122.19	$140.52	100 FT	4,500	2497.5	Q	168
034481235972	59611-010	2" SCH 40 NON-UL CONDUIT 10'	$160.08	$184.09	100 FT	1,400	1055.6	Q	168
034481088981	59611-020	2" SCH 40 NON-UL CONDUIT 20'	$160.08	$184.09	100 FT	2,800	2111.2	Q	168

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034481236009	59611X-010	2" SCH 40 PVC CONDUIT BELLED 10'	$160.08	$184.09	1400 FT	1,400	1055.6	Q	168
034481236009	59611X-020	2" SCH 40 PVC CONDUIT BELLED 10'	$160.08	$184.09	2800 FT	2,800	2111.2	Q	168
034481236016	59612-010	2-1/2" SCH 40 NON-UL CONDUIT 10'	$257.01	$295.56	100 FT	930	1152.3	Q	168
034481236023	59612-020	2-1/2" SCH 40 NON-UL CONDUIT 20'	$257.01	$295.56	100 FT	1,860	2304.5	Q	168
034481236030	59613-010	3" SCH 40 NON-UL CONDUIT 10	$305.46	$351.28	100 FT	880	1510.1	Q	168
034481236047	59613-020	3" SCH 40 NON-UL CONDUIT 20'	$305.46	$351.28	100 FT	1,760	3020.2	Q	168
034481236054	59615-010	4" SCH 40 NON-UL CONDUIT 10'	$428.78	$493.10	100 FT	570	1393.1	Q	168
034481236078	59615-020	4" SCH 40 NON-UL CONDUIT 20'	$428.78	$493.10	100 FT	1,140	2786.2	Q	168
034481236115	59616-010	5" SCH 40 NON-UL CONDUIT 10'	$622.64	$716.04	100 FT	380	1258.2	Q	168
034481236122	59616-020	5" SCH 40 NON-UL CONDUIT 20'	$622.64	$716.04	100 FT	760	2516.4	Q	168
034481236146	59617-010	6" SCH 40 NON-UL CONDUIT 10'	$822.44	$945.81	100 FT	260	1117.7	Q	168
034481236153	59617-020	6" SCH 40 NON-UL CONDUIT 20'	$822.44	$945.81	100 FT	520	2235.5	Q	168
034481236160	59618-010	8" SCH 40 NON-UL CONDUIT 10'	$1,754.84	$2,018.07	100 FT	150	970.4	Q	168
034481083276	59618-020	8" SCH 40 NON-UL CONDUIT 20 FT	$1,754.84	$2,018.07	100 FT	300	1859.1	Q	168
034481142126	5RRF	CABLE RETAINER	$136.36	$156.81	100 EA	15	0.2	10	116
034481142201	5RWA	SINGLE CHANNEL ADAPTER	$152.93	$175.87	100 EA	10	0.1	10	116
034481142003	5RWCSF	JOINT COVER	$272.72	$313.63	100 EA	4	0.3	10	116
034481142034	5RWDS	UNDER BOX CABLE DIVIDER	$218.17	$250.90	100 EA	10	0.2	10	117
034481142010	5RWDT-010	CABLE DIVIDER	$154.36	$177.51	100 FT	100	12.0	10	116
034481142027	5RWEC	END CAP	$589.07	$677.43	100 EA	10	0.7	10	116
034481156673	5RWEED	PREMIER EXTERNAL ELBOW-DATA	$1,111.95	$1,278.74	100 EA	1	0.4	10	116
034481156666	5RWEFD	PREMIER FLAT ELBOW-DATA	$1,724.10	$1,982.72	100 EA	1	0.5	10	116
034481156659	5RWEID	PREMIER INTERNAL ELBOW-DATA	$1,111.95	$1,278.74	100 EA	1	0.3	10	116
034481142072	5RWICP	INTERNAL CORNER PLATE	$594.41	$683.57	100 EA	8	0.3	10	117
034481141983	5RWMB-010	RACEWAY COVER, BASE & DIVIDER	$831.25	$955.94	100 FT	20	22.1	10	116
034481156680	5RWTD	PREMIER FLAT TEE-DATA	$2,069.55	$2,379.98	100 EA	1	0.5	10	116
034481141990	5RWWBCP	INTERNAL COUPLING	$245.47	$282.29	100 EA	8	0.3	10	117
791207011332	68515SD-010	4 TYPE C SPLIT DUCT	$713.28	$820.27	100 FT	320	613.8	17	187
034481237181	68711-020	2" EB-35 TC-8 DUCT 20'	$61.86	$71.14	100 FT	2,800	1086.4	Q	170
034481237198	68713-020	3" EB-35 TC-8 DUCT 20'	$100.45	$115.52	100 FT	2,000	1432.0	Q	170
034481237211	68715-020	4" EB-35 TC-8 DUCT 20'	$161.01	$185.16	100 FT	1,140	1317.8	Q	170
034481237235	68716-020	5" EB-35 TC-8 DUCT 20'	$245.20	$281.98	100 FT	760	1342.9	Q	170
034481237242	68717-020	6" EB-35 TC-8 DUCT 20'	$347.12	$399.19	100 FT	520	1303.6	Q	170
034481237273	68811-020	2" DB-120 TC-8 DUCT 20'	$71.79	$82.56	100 FT	2,800	1313.2	Q	171
034481237280	68812-020	21/2 PC DUCT DB FLD POWER	$357.46	$411.08	100 FT	2,040	1381.1	Q	171
034481237303	68813-020	3" DB-120 TC-8 DUCT 20'	$143.28	$164.77	100 FT	2,000	1984.0	Q	171
034481237334	68815-020	4" DB-120 TC-8 DUCT 20'	$233.39	$268.40	100 FT	1,140	1876.4	Q	171
034481237365	68816-020	5" DB-120 TC-8 DUCT 20'	$357.46	$411.08	100 FT	760	1904.6	Q	171
034481237389	68817-020	6" DB-120 TC-8 DUCT 20'	$442.02	$508.32	100 FT	520	1851.2	Q	171
034481012993	68913D-020	3" DB-100 CALIFORNIA DUCT - DWP 20'	$128.95	$148.29	100 FT	2,000	1,894.00	Q	172
034481237419	68915-020	4" DB-100 CALIFORNIA DUCT 20'	$209.90	$241.39	100 FT	1,140	1753.3	Q	172
034481013013	68915D-020	4" DB-100 CALIFORNIA DUCT - DWP 20'	$322.43	$370.79	100 FT	1,140	1,773.84	Q	172
034481237426	68916-020	5" DB-100 CALIFORNIA DUCT 20'	$378.00	$434.70	100 FT	760	1802.0	Q	172
034481013006	68916D-020	5" DB-100 CALIFORNIA DUCT - DWP 20'	$457.41	$526.02	100 FT	760	1,801.96	Q	172
034481237433	68917-020	6" DB-100 CALIFORNIA DUCT 20'	$457.41	$526.02	100 FT	520	1752.4	Q	172
034481008514	A240D	1/2" ENT COUPLING	$69.76	$80.22	100 EA	150	2.9	15	20
034481008521	A240E	3/4" ENT COUPLING	$91.31	$105.01	100 EA	100	3.0	15	20
034481008538	A240F	1" ENT COUPLING	$160.35	$184.40	100 EA	50	2.3	15	20
034481008576	A243D	1/2" ENT MALE ADAPTER THREADED	$97.65	$112.30	100 EA	150	2.6	15	20

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034481008583	A243E	3/4" ENT MALE ADAPTER THREADED	$188.97	$217.32	100 EA	100	2.3	15	20
034481008590	A243F	1" ENT MALE ADAPTER THREADED	$284.48	$327.15	100 EA	50	2.0	15	20
034481008606	A253D	1/2" MALE ADAPTER SNAP-IN	$63.41	$72.92	100 EA	150	2.9	15	20
034481008613	A253E	3/4" MALE ADAPTER SNAP-IN	$116.68	$134.18	100 EA	100	2.9	15	20
034481008620	A253F	1" MALE ADAPTER SNAP-IN	$187.50	$215.63	100 EA	50	2.3	15	20
781207218489	A340F	1" COUPLING PLENUM	$300.00	$345.00	100 EA	50	2.5	55	108
781207218496	A343F	1" THREADED ADAPTER-PLENUM	$300.00	$345.00	100 EA	50	1.6	55	108
781207218472	A353F	1" SNAP-ON ADAPTER-PLENUM	$300.00	$345.00	100 EA	50	3.0	55	108
034481101000	A400	4" SQ 1-GANG BLANK BOX COVER	$62.07	$71.38	100 EA	100	7.7	15	22
034481101017	A410	4" SQ 1/2" RAISED 1-GANG COVER	$82.44	$94.81	100 EA	100	7.7	15	22
034481101314	A411	4" SQ 5/8" RAISED 1-GANG COVER	$96.15	$110.57	100 EA	50	4.6	15	22
034481101321	A412	4" SQ 3/4" RAISED 1-GANG COVER	$110.72	$127.33	100 EA	50	5.1	15	22
034481101338	A413	4" SQ 1" RAISED 1-GANG COVER	$133.13	$153.10	100 EA	40	5.0	15	22
034481101345	A414	4" SQ 1-1/4" RAISED 1-GANG COVER	$141.90	$163.19	100 EA	30	4.4	15	22
034481101024	A420	4" SQ 1/2" RAISED 2-GANG COVER	$115.83	$133.20	100 EA	75	5.0	15	22
034481101413	A421	4" SQ 5/8" RAISED 2-GANG COVER	$127.44	$146.56	100 EA	50	4.2	15	22
034481101420	A422	4" SQ 3/4" RAISED 2-GANG COVER	$127.44	$146.56	100 EA	50	4.8	15	22
034481101512	A470D	4" ROUND COVER W/ 1/2" KO'S	$84.35	$97.00	100 EA	100	6.2	15	23
034481101529	A471	1/2" RAISED ROUND PLASTER RING	$112.03	$128.83	100 EA	100	3.3	15	23
034481101536	A472	3/4" RAISED ROUND PLASTER RING	$118.61	$136.40	100 EA	100	3.7	15	23
034481074007	A52151D	4"X4"X1-1/2" ENT BOX 1/2" KO'S	$178.04	$204.75	100 EA	100	22.6	15	21
034481074052	A52151E	4"X4"X1-1/2" ENT BOX 3/4" KO'S	$187.40	$215.51	100 EA	100	22.6	15	21
034481074205	A52171D	4"X4"X2-3/8" ENT BOX 1/2" KO'S	$226.88	$260.91	100 EA	25	7.6	15	21
034481074304	A52171E	4"X4"X2-3/8" ENT BOX 3/4" KO'S	$226.88	$260.91	100 EA	25	7.6	15	21
034481198321	A5217DE	4"X4"X2-3/8" ENT BOX 1/2-3/4" KO'S	$228.28	$262.52	100 EA	25	7.6	15	21
034481074151	A521DE	4"X4"X1-1/2" ENT BOX 1/2-3/4" KO'S	$187.40	$215.51	100 EA	100	22.6	15	21
034481038498	A5329DE	4"X4"X1-3/4" ENT BOX 1/2-3/4" KO'S	$421.11	$484.28	100 EA	50	14.8	15	22
034481039181	A540DS	ENT BOX BACK SUPPORT	$66.03	$75.93	100 EA	100	2.1	15	22
034481074359	A58381D	3X2-1/4X3 ENT BOX 1/2" KO'S	$175.14	$201.41	100 EA	25	4.6	15	21
034481074403	A58381E	3X2-1/4X3 ENT BOX 3/4" KO'S	$206.39	$237.35	100 EA	25	4.6	15	21
034481074502	A615D	4" OCT CEILING BOX 1/2" KO'S	$200.94	$231.08	100 EA	50	6.4	15	23
034481074601	A615DE	4" OCT CEILING BOX 1/2-3/4" KO'S	$207.23	$238.31	100 EA	50	6.4	15	23
034481074755	A615DH	4" OCT CEILING BOX W/HGR 1/2" KO'S	$730.24	$839.78	100 EA	25	13.6	15	23
034481074656	A615DJ	4" OCT CEILING BOX W/J BRK 1/2" KO'S	$806.46	$927.43	100 EA	50	18.7	15	23
034481074700	A615DL	4" OCT CEILING BOX W/L BRK 1/2" KO'S	$672.31	$773.16	100 EA	50	12.9	15	23
034481074557	A615E	4" OCT CEILING BOX 3/4" KO'S	$211.22	$242.90	100 EA	50	6.4	15	23
034481085737	A861	BASE RING - MUD BOX	$235.35	$270.65	100 EA	10	2.5	15	21
034481084334	A862D	2.5" MUD BOX COVER 1/2" KO'S	$184.51	$212.19	100 EA	10	2.5	15	21
034481084341	A862E	2.5" MUD BOX COVER 3/4" KO'S	$184.51	$212.19	100 EA	10	2.1	15	21
034481084327	A864D	4" MUD BOX COVER 1/2" KO'S	$394.08	$453.19	100 EA	10	2.9	15	21
034481084310	A864E	4" MUD BOX COVER 3/4" KO'S	$394.08	$453.19	100 EA	10	2.9	15	21
034481084297	A864F	4" MUD BOX COVER 1" KO'S	$394.08	$453.19	100 EA	10	3.0	15	21
034481135883	B100RB	LOW VOLTAGE OLD WORK BOX BRACKET, BULK	$136.23	$156.66	100 EA	25	2.7	20	55
034481044154	B108B-UPC	BRACKETED SHALLOW BOX	$156.43	$179.89	100 EA	25	2.7	20	52
034481044161	B108R-UPC	FLANGED SHALLOW BOX	$156.43	$179.89	100 EA	25	2.5	20	54
034481006107	B114R-UPC	1 G OLD WO BX W/2 CLAMP	$191.34	$220.04	100 EA	50	9.4	20	54
034481100256	B118A	18 CU. IN. 1-GANG ZIP BOX	$47.68	$54.83	100 EA	100	19.5	20	52
034481039822	B118B-UPC	1 GANG ZIP BOX W/BRACKET	$193.50	$222.53	100 EA	50	16.3	20	52
034481020608	B120A-UPC	1 GANG ZIP BOX W/NAILS	$55.63	$63.97	100 EA	100	23.5	20	52

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034481124030	B120R	20 CU IN OLD WORK BOX	$220.01	$253.01	100 EA	50	18.2	20	54
034481149293	B121ADJ	SINGLE GANG ADJUSTABLE ELECTRICAL BOX	$222.60	$255.99	100 EA	24	10.1	20	52
034481146292	B121BFB	Single Gang Adjustable Floor Box	$3,328.00	$3,827.20	100 EA	8	7.4	20	33
034481091332	B122A-UPC	22 CU.IN. S/G ZIPBOX W/N	$66.57	$76.56	100 EA	100	24.8	20	52
034481143215	B1EXTB	BOX EXTENDER, BULK PACK	$124.88	$143.61	100 EA	25	2.6	20	54
034481156598	B200R-CRD	LOW VOLTAGE OLD WORK BOX TWO GANG	$211.20	$242.88	100 EA	6	0.9	20	55
034481006152	B225R-UPC	2 GANG OLD WORK BOX	$353.02	$405.97	100 EA	30	8.1	20	54
034481006169	B232A-UPC	2 GANG ZIP BX W/NAIL	$144.75	$166.46	100 EA	50	15.1	20	53
034481039839	B232B-UPC	2 GANG FLANGE BOX	$317.17	$364.75	100 EA	50	19.6	20	53
034481149286	B234ADJ	TWO GANG ADJUSTABLE ELECTRICAL BOX	$470.64	$541.24	100 EA	16	8.5	20	52
034481006176	B344A-UPC	3 GANG ZIP BOX W/NAILS	$230.44	$265.01	100 EA	50	20.6	20	53
034481145561	B355R	THREE GANG OLD WORK BOX	$439.97	$505.97	100 EA	6	3.0	20	54
034481006183	B418A-UPC	4 SQUARE ZIP BOX W/NA	$215.40	$247.71	100 EA	75	22.4	20	53
034481012634	B432A-UPC	4 SQ ZIP BOX DEEP W/N	$263.54	$303.07	100 EA	50	15.5	20	53
034481157632	B455AH	4 GANG 55 CU IN ZIP BOX W/EXT. BRACKET	$535.50	$615.83	100 EA	25	19.0	20	53
034481020615	B455A-UPC	4 GANG ZIP BOX	$515.29	$592.58	100 EA	25	19.0	20	53
034481158059	B468R	4 GANG OLD WORK BOX	$710.32	$816.87	100 EA	6	3.0	20	54
034481158127	B468RB	4 GANG OLD WORK BOX-BULK	$683.00	$785.45	100 EA	36	18.2	20	54
034481006190	B518A-UPC	3/0 CEIL ZIP BOX W/NAILS	$144.75	$166.46	100 EA	75	16.7	20	55
034481006206	B518P-UPC	3/0 CEIL ZIP BOX W/N & GL	$179.30	$206.20	100 EA	75	16.9	20	55
034481006213	B520A-UPC	3.0/4.0 CEILING BOX BODY	$144.75	$166.46	100 EA	75	16.1	20	55
034481006220	B520P-UPC	3.0/4.0 CEILING BX W/N&GL	$184.12	$211.74	100 EA	75	17.0	20	55
034481006237	B618R-UPC	3/0 OLD WORK CEILING BOX	$245.46	$282.28	100 EA	100	23.5	20	54
034481141150	B620DC	T-GRID BOX ASSEMBLY - RETAIL PACK	$1,192.02	$1,370.82	100 EA	6	7.8	20	56
034481012641	B620HG-UPC	3.0/4.0 CLNG BX W/BAR&GL	$338.31	$389.06	100 EA	75	43.6	20	56
034481006244	B620H-UPC	4 CEIL-BOX W/ADJ BAR 24IN	$315.27	$362.56	100 EA	75	41.1	20	55
034481100850	B620K	3/0-4/0 ROUND CEILING BOX W/HGR	$314.06	$361.17	100 EA	75	46.0	20	55
034481023487	B620KG-UPC	3.0/4.0 CLNG BX W/BAR&GL	$320.22	$368.25	100 EA	75	46.3	20	56
034481118848	B620L-UPC	4/0 CEIL BOX W/L BRACKET	$305.79	$351.66	100 EA	100	30.1	20	55
034481115168	B708-SHK	8 CU. IN CEILING FAN BOX - SHALLOW	$351.84	$404.62	100 EA	18	2.8	20	56
034481085805	B720-SHK	20 CU. IN CEILING FAN BOX - DEEP	$491.16	$564.83	100 EA	18	4.9	20	56
781207351605	BG340SP-010	3" BORE-GARD 10 FT	$675.26	$776.55	100 FT	350	550.2	Q	138
781207351612	BG340SP-020	3" BORE-GARD 20 FT	$515.00	$592.25	100 FT	700	1100.4	Q	138
781207352176	BG3HBORSK	BORE-GARD SEAL SERVICE KIT 3"	$139.60	$160.54	1 EA	1	0.6	Q	138
781207352169	BG3LSK	BORE-GARD LOCKING STRAP SERVICE KIT 3"	$13.06	$15.02	1 EA	1	0.3	Q	138
034481158813	BG3PE	BORE-GARD 3" PULLING EYE	$800.00	$920.00	1 EA	1	9.0	Q	138
781207350011	BG440SP-010	4" BOREGARD 10-FT W/ SPLINE	$914.25	$1,051.39	100 FT	260	607.88	Q	138
781207218076	BG440SP-020	4" BOREGARD 20FT W/SPLINE	$690.00	$793.50	100 FT	520	1215.8	Q	138
034481158837	BG4PE	BORE-GARD 4" PULLING EYE	$981.20	$1,128.38	1 EA	1	26.0	Q	138
781207351551	BG540SP-010	5" BORE-GARD 10 FT	$997.53	$1,147.16	100 FT	230	699.9	Q	138
781207351568	BG540SP-020	5" BORE-GARD 20 FT	$880.00	$1,012.00	100 FT	460	1399.8	Q	138
781207352183	BG5HBORSK	BORE-GARD SEAL SERVICE KIT 5"	$174.36	$200.51	1 EA	1	0.6	Q	138
781207352190	BG5LSK	BORE-GARD LOCKING STRAP SERVICE KIT 5"	$15.83	$18.20	1 EA	1	0.6	Q	138
034481158677	BG5PE	BORE-GARD 5" PULLING EYE	$1,343.60	$1,545.14	1 EA	1	37.0	Q	138
034481148869	BG640SP-010	6" BOREGARD 10 FT W/SPINE	$2,070.00	$2,380.50	100 FT	200	789.2	Q	138
034481148876	BG640SP-020	6" BOREGARD 20 FT W/SPINE	$1,610.00	$1,851.50	100 FT	400	1578.4	Q	138
034481148968	BG6HBORSK	BORE-GARD SEAL SERVICE KIT 6"	$177.78	$204.45	1 EA	1	0.6	Q	138
781207351476	BG6LSK	BORE-GARD LOCKING STRAP SERVICE KIT 6"	$17.09	$19.65	1 EA	1	0.8	Q	138
034481158684	BG6PE	BORE-GARD 6" PULLING EYE	$1,600.00	$1,840.00	1 EA	1	63.0	Q	138

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781207351025	BGHBORSK	BORE-GARD SEAL SERVICE KIT 4"	$170.94	$196.58	100 EA	1	0.3	Q	138
781207350967	BGLSK	BORE-GARD LOCKING STRAP SERVICE KIT 4"	$9.23	$10.61	100 EA	1	0.5	Q	138
034481032762	C2016A4	20X16X7-1/2 N12/4X ENCL	$331.29	$380.98	1 EA	1	15.1	18	71
034481032779	C2016B4	20X16X9-1/2 N12/4X ENCL	$351.15	$403.82	1 EA	1	17.2	18	71
034481032786	C2016C4	20X16X11-1/2 N12/4X ENCL	$387.44	$445.56	1 EA	1	19.7	18	71
034481032793	C2420A4	24X20X7-1/2 N12/4X ENCL	$416.95	$479.49	1 EA	1	21.5	18	71
034481032809	C2420B4	24X20X9-1/2 N12/4X ENCL	$442.83	$509.25	1 EA	1	24.0	18	71
034481032816	C2420C4	24X20X11-1/2 N12/4X ENCL	$477.19	$548.77	1 EA	1	24.9	18	71
034481032823	C3024A4	30X24X7-1/2 N12/4X ENCL	$511.82	$588.59	1 EA	1	28.4	18	71
034481032830	C3024B4	30X24X9-1/2 N12/4X ENCL	$566.99	$652.04	1 EA	1	31.4	18	71
034481032847	C3024C4	30X24X11-1/2 N12/4X ENCL	$601.58	$691.82	1 EA	1	33.8	18	71
034481085744	CA861G	BASE RING WITH GROUNDING LUG	$273.94	$315.03	100 EA	10	2.0	15	21
034481103608	CC1085	10X8X5 N12/4X JIC HNG CLR CVR ENCL	$91.39	$105.10	1 EA	1	5.2	18	69
034481103448	CC120	SMALL CONDUIT CUTTER	$19.08	$21.94	1 EA	25	15.5	12	190
034481103653	CC12106	12X10X6 N12/4X JIC HNG CLR CVR ENCL	$127.05	$146.11	1 EA	1	8.4	18	69
034481198994	CC122	LARGE CONDUIT CUTTER	$132.50	$152.38	1 EA	1	2.7	12	190
034481103455	CC125	MEDIUM CONDUIT CUTTER	$63.60	$73.14	1 EA	12	9.9	12	190
034481103707	CC14126	14X12X6 N12/4X JIC HNG CLR CVR ENCL	$142.40	$163.76	1 EA	1	8.6	18	69
034481103752	CC16147	16X14X 7 N12/4X JIC HNG CLR CVR ENCL	$167.13	$192.20	1 EA	1	11.9	18	69
034481103509	CC665	6X6X5 N12/4X JIC HNG CLR CVR ENCL	$73.17	$84.15	1 EA	1	3.1	18	69
034481103554	CC863	8X6X3 N12/4X JIC HNG CLR CVR ENCL	$74.73	$85.94	1 EA	1	3.1	18	69
781207203621	CE4X1-1000	3/4" PLENUM GARD CORRUGATED ORANGE	$297.76	$342.42	100 FT	1,000	75.0	55	104
781207214078	CE4X1-1000S	3/4" Plenum-Gard Orange Split Empty	$297.76	$342.42	100 FT	1,000	75.0	55	104
781207203669	CE4X1-350	3/4" PLENUM GARD CORRUGATED ORANGE	$297.76	$342.42	100 FT	350	26.3	55	104
781207214085	CE4X1-350S	3/4" Plenum-Gard Orange Split Empty	$297.76	$342.42	100 FT	350	26.3	55	104
034481118565	CF30JA	J-FUSIBLE 30 AMP 600 VAC 3 POLE SW	$291.96	$335.75	1 EA	1	3.53	18	99
781207214061	CF4X1-1500S	1" Plenum-Gard Orange Split Empty	$393.27	$452.26	100 FT	1,500	153.0	55	104
781207202150	CF4X1-250S	1" PLENUM GARD CORRUGATED ORG SPLIT	$393.27	$452.26	100 FT	250	25.5	55	104
781207216997	CF4X1C-100	1" PLENUM-GARD ORANGE W/ TAPE	$393.27	$452.26	100 FT	100	10.2	55	104
781207351179	CF4X1C-1000	1" PLENUM-GARD ORANGE W/ TAPE	$393.27	$452.26	100 FT	1,000	162.0	55	104
781207085920	CF4X1C-1500	1" PLENUM GARD CORRUGATED ORANGE W/TAPE	$393.27	$452.26	100 FT	1,500	243.0	55	104
781207085906	CF4X1C-250	1" PLENUM GARD CORRUGATED ORANGE W/TAPE	$393.27	$452.26	100 FT	250	31.0	55	104
781207201948	CF4X1C-500	1" PLENUM GARD CORRUGATED ORANGE W/TAPE	$393.27	$452.26	100 FT	500	91.0	55	104
781207200323	CF4X1C-5200	1" PLENUM-GARD ORG. W/TAPE	$393.27	$452.26	100 FT	5,200	915.2	55	104
781207214580	CG4X1-200S	1 1/4" Plenum Gard Corrugated ORG Split	$495.53	$569.86	100 FT	200	27.4	55	104
781207214573	CG4X1-900S	1 1/4" Plenum-Gard Orange Split Empty	$495.53	$569.86	100 FT	900	123.3	55	104
781207351131	CG4X1C-1600	1 1/4" PLENUM-GARD ORANGE W/ TAPE	$495.53	$569.86	100 FT	1,600	219.2	55	104
781207085913	CG4X1C-200	11/4" PLENUM GARD CORRUGATED ORG W/TAPE	$495.53	$487.99	100 FT	200	40.0	55	104
781207200330	CG4X1C-3200	11/4" PLENUM GARD CORRUGATED ORG W/TAPE	$495.53	$487.99	100 FT	3,200	438.4	55	104
781207201955	CG4X1C-500	11/4" PLENUM GARD CORRUGATED ORG W/TAPE	$495.53	$566.75	100 FT	500	110.0	55	104
781207085937	CG4X1C-900	11/4" PLENUM GARD CORRUGATED ORG W/TAPE	$495.53	$344.07	100 FT	900	213.3	55	104
034481021735	CH100R	HINGE CAP-N12/4X JIC ENCLOSURES	$50.09	$57.60	100 EA	1	0.0	18	88
034481199175	CH208	MOUNTING BRKT KIT W/8 HNGE	$588.65	$676.95	100 EA	20	3.8	18	88
781207214597	CH4X1-150S	1 1/2" PLENUM-GARD ORANGE SPLIT EMPTY	$585.44	$673.26	100 FT	150	24.5	55	104
781207203652	CH4X1C-1200	11/2" PLENUM GARD CORRUGATED ORG W/TAPE	$585.44	$673.26	100 FT	1,200	195.6	55	104
781207203645	CH4X1C-150	11/2" PLENUM GARD CORRUGATED ORG W/TAPE	$585.44	$673.26	100 FT	150	24.5	55	104
034481146254	CH4X1C-350	1 1/2" plenum-gard orange w/tape	$585.44	$673.26	100 FT	350	57.1	55	104
034481102601	CJ1085	10X8X5 N12/4X JIC HNG CVR ENCL	$73.11	$84.08	1 EA	1	5.3	18	69
034481102656	CJ12106	12X10X6 N12/4X JIC HNG CVR ENCL	$101.64	$116.89	1 EA	1	7.1	18	69

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034481102700	CJ14126	14X12X6 N12/4X JIC HNG CVR ENCL	$113.91	$131.00	1 EA	1	9.0	18	69
034481102755	CJ16147	16X14X7 N12/4X JIC HNG CVR ENCL	$133.52	$153.55	1 EA	1	10.6	18	69
781207211176	CJ4X1-100S	2" PLENUM GARD CORRUGATED ORANGE SPLIT	$784.78	$902.50	100 FT	100	20.6	55	104
781207203560	CJ4X1C-100	2" PLENUM GARD CORRUGATED ORANGE W/TAPE	$769.69	$885.14	100 FT	100	20.6	55	104
034481146261	CJ4X1C-225	2" plenum-gard orange w/tape	$769.69	$885.14	100 FT	225	46.4	55	104
781207203591	CJ4X1C-700	2" PLENUM GARD CORRUGATED ORANGE W/TAPE	$769.69	$885.14	100 FT	700	144.2	55	104
034481102502	CJ665	6X6X5 N12/4X JIC HNG CVR ENCL	$58.53	$67.31	1 EA	1	3.3	18	69
034481102557	CJ863	8X6X3 N12/4X JIC HNG CVR ENCL	$59.78	$68.75	1 EA	1	2.8	18	69
034481199205	CJB159	MOUNTING FEET - N12/4X JIC ENCLOSURES	$115.57	$132.91	100 EA	1	0.0	18	88
034481199274	CJTL	LOCKING TURN LATCH W/CJKP	$9.46	$10.88	1 EA	1	0.3	18	88
034481043249	CK221RP	CHIME KIT W/TWO BUTTONS	$12.17	$14.00	1 EA	12	24.4	18	14
034481082347	CK225	CHIME KIT W/TWO LIGHTED BUTTONS	$13.15	$15.12	1 EA	12	36.0	18	14
034481106005	CP100N	1 HOLE PUSHBUTTON ENCL	$29.00	$33.35	1 EA	12	8.9	18	80
034481106203	CP100NB	BLANK 1 HOLE PUSHBUTTON ENCL	$29.00	$33.35	1 EA	12	9.6	18	81
034481106050	CP200N	2 HOLE PUSHBUTTON ENCL	$31.70	$36.46	1 EA	8	8.2	18	80
034481016250	CP200NB	BLANK 2 HOLE PUSHBUTTON ENCL	$31.70	$36.46	1 EA	8	8.8	18	81
034481106104	CP300N	3 HOLE PUSHBUTTON ENCL	$34.87	$40.10	1 EA	6	7.6	18	80
034481106302	CP300NB	BLANK 3 HOLE PUSHBUTTON ENCL	$34.87	$40.10	1 EA	6	8.2	18	81
034481102205	CS1085	10X8X5 N12/4X JIC SCR CVR ENCL	$68.66	$78.96	1 EA	1	5.0	18	68
034481102250	CS12106	12X10X6 N12/4X JIC SCR CVR ENCL	$96.78	$111.30	1 EA	1	6.5	18	68
034481102304	CS14126	14X12X6 N12/4X JIC SCR CVR ENCL	$109.92	$126.41	1 EA	1	8.0	18	68
034481102359	CS16147	16X14X7 N12/4X JIC SCR CVR ENCL	$127.06	$146.12	1 EA	1	11.5	18	68
034481102106	CS665	6X6X5 N12/4X JIC SCR CVR ENCL	$56.89	$65.42	1 EA	1	2.7	18	68
034481102151	CS863	8X6X3 N12/4X JIC SCR CVR ENCL	$59.26	$68.15	1 EA	1	2.9	18	68
034481103103	CV1085	10X8X5 N12/4X JIC SCR CLR CVR ENCL	$85.82	$98.69	1 EA	1	5.0	18	68
034481103158	CV12106	12X10X6 N12/4X JIC SCR CLR CVR ENCL	$120.97	$139.12	1 EA	1	7.2	18	68
034481103202	CV14126	14X12X6 N12/4X JIC SCR CLR CVR ENCL	$137.41	$158.02	1 EA	1	8.8	18	68
034481103257	CV16147	16X14X7 N12/4X JIC SCR CLR CVR ENCL	$159.63	$183.57	1 EA	1	10.8	18	68
034481103004	CV665	6X6X5 N12/4X JIC SCR CLR CVR ENCL	$72.51	$83.39	1 EA	1	2.9	18	68
034481103059	CV863	8X6X3 N12/4X JIC SCR CLR CVR ENCL	$74.09	$85.20	1 EA	1	2.9	18	68
034481118497	DB35	HANDLE FOR F200JA & F400JA	$172.13	$197.95	1 EA	1	1	18	98
034481118480	DB67	HANDLE FOR NF200A	$157.16	$180.73	1 EA	1	1	18	98
781207203584	DE4X1-1000	3/4" RISER GARD PVC CORRUGATED ORG ROPE	$81.65	$93.90	100 FT	1,000	114.0	50	106
781207214603	DE4X1-1000S	3/4" Riser-Gard Orange Split Empty	$81.65	$93.90	100 FT	1,000	114.0	50	106
781207211480	DE4X1-350	3/4" RISER-GARD ORANGE EMPTY	$81.65	$93.90	100 FT	350	39.9	50	106
781207214269	DE4X1-350S	3/4" RISER-GARD ORANGE SPLIT EMPTY	$81.65	$93.90	100 FT	350	39.9	50	106
781207218243	DF4X1-1500	1" RISER-GARD ORANGE	$117.29	$134.88	100 FT	1,500	217.5	50	106
781207214252	DF4X1-1500S	1" Riser-Gard Orange Split Empty	$117.29	$134.88	100 FT	1,500	217.5	50	106
781207350752	DF4X1-250	1" RISER-GARD PVC ORANGE EMPTY	$117.29	$134.88	100 FT	250	36.3	50	106
781207213163	DF4X1-250S	1" RISER-GARD ORANGE SPLIT EMPTY	$117.29	$134.88	100 FT	250	36.3	50	106
781207350097	DF4X1C-1000	1" RISER-GARD PVC CORR ORG W / TAPE	$117.29	$134.88	100 FT	1,000	145.0	50	106
781207351483	DF4X1C-1500	1" RISER GARD PVC CORRUGATED ORANGE TAPE	$117.29	$134.88	100 FT	1,500	217.5	50	106
781207218236	DF4X1C-250	1" RISER GARD PVC CORRUGATED ORANGE TAPE	$117.29	$134.88	100 FT	250	46.2	50	106
781207350776	DF4X1C-2700	1" RISER-GARD PVC CORR ORG W/TAPE	$117.29	$134.88	100 FT	2,700	391.5	50	106
781207201078	DF4X1C-500	1" RISER GARD PVC CORRUGATED ORANGE TAPE	$117.29	$134.88	100 FT	500	86.2	50	106
034481146278	DF4X1C-500R	1" RISER-GARD ORANGE w/ Tape	$117.29	$134.88	100 FT	500	72.5	50	106
781207213132	DF4X1C-5200	1" RISER-GARD PVC CORRUGATED ORANGE TAPE	$117.29	$134.88	100 FT	5,200	754.0	50	106
781207350110	DF4X1C-7000	1" RISER-GARD PVC CORR ORG W/ TAPE	$117.29	$134.88	100 FT	7,000	1015.0	50	106
781207350103	DF4X1C-9400	1" RISER-GARD PVC CORR ORG W/ TAPE	$117.29	$134.88	100 FT	9,400	1363.0	50	106

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781207351117	DG4X1-200	1 1/4" RISER-GARD ORANGE	$131.33	$151.03	100 FT	200	34.4	50	106
781207203751	DG4X1-200S	1 1/4" RISER-GARD ORANGE SPLIT EMPTY	$131.33	$151.03	100 FT	200	34.4	50	106
034481160090	DG4X1-900	1 1/4" RISER-GARD ORANGE	$131.33	$151.03	100 FT	900	154.8	50	106
781207214238	DG4X1-900S	1 1/4" Riser-Gard Orange Split Empty	$131.33	$151.03	100 FT	900	154.8	50	106
781207217130	DG4X1C-1600	1 1/4" R/G CORR ORG W/900LB KEVLAR TAPE	$131.33	$151.03	100 FT	1,600	275.2	50	106
781207218250	DG4X1C-200	11/4" RISER-GARD PVC CORRUGATED ORG TAPE	$131.33	$151.03	100 FT	200	44.3	50	106
781207214245	DG4X1C-3200	1 1/4" Riser-Gard Orange w/Tape	$131.33	$151.03	100 FT	3,200	550.4	50	106
781207351124	DG4X1C-4500	1 1/4" RISER-GARD ORANGE W/ TAPE	$131.33	$151.03	100 FT	4,500	774.0	50	106
781207201085	DG4X1C-500	11/4" RISER-GARD PVC CORRUGATED ORG TAPE	$131.33	$151.03	100 FT	500	92.5	50	106
034481149132	DG4X1C-500R	11/4" RISER-GARD PVC CORRUGATED ORG TAPE	$131.33	$151.03	100 FT	500	86.0	50	106
781207350127	DG4X1C-5600	1 1/4" RISER-GARD PVC CORR ORG W/ TAPE	$131.33	$151.03	100 FT	5,600	963.2	50	106
781207218267	DG4X1C-900	1 1/4" Riser-Gard Orange w/Tape	$131.33	$151.03	100 FT	900	154.8	50	106
781207214221	DH4X1-150S	1 1/2" Riser-Gard Orange Split Empty	$161.14	$185.31	100 FT	150	33.0	50	106
781207350820	DH4X1-750S	1 1/2" RISER-GARD CORR ORG SPLIT EMPTY	$161.14	$185.31	100 FT	750	165.0	50	106
781207219790	DH4X1C-1200	11/2" RISER GARD PVC CORRUGATED ORG TAPE	$161.14	$185.31	100 FT	1,200	264.0	50	106
781207203539	DH4X1C-150	1 1/2" RISER-GARD ORANGE W/TAPE	$161.14	$185.31	100 FT	150	33.0	50	106
781207350141	DH4X1C-4500	1 1/2" RISER-GARD PVC CORR ORG W/ TAPE	$161.14	$185.31	100 FT	4,500	990.0	50	106
034481118237	DJ16NAQ	50X30 J-FSBL 30A 600 VAC 3P N4X OS DISC	$1,615.46	$1,857.78	1 EA	1	110.68	18	97
034481116523	DJ16NLF	J-FUSIBLE 30A 600 VAC 3P N4X OC DISC	$713.54	$820.57	1 EA	1	12.84	18	96
034481118244	DJ26NAQ	J-FUSIBLE 60A 600 VAC 3P N4X OS DISC	$1,770.30	$2,035.85	1 EA	1	110.68	18	97
034481118022	DJ26NLF	J-FUSIBLE 60A 600 VAC 3P N4X OC DISC	$868.37	$998.63	1 EA	1	12.84	18	96
034481118251	DJ36NAQ	J-FUSIBLE 100A 600 VAC 3P N4X OS DISC	$2,023.19	$2,326.67	1 EA	1	111.12	18	97
034481121039	DJ36NLJ	J-FUSIBLE 100A 600 VAC 3P N4X OC DISC	$1,147.08	$1,319.14	1 EA	1	15.77	18	96
034481118046	DJ46NAJ	J-FUSIBLE 200A 600 VAC 3P N4X OC DISC	$2,968.98	$3,414.33	1 EA	1	57.41	18	96
034481118268	DJ46NAQ	J-FUSIBLE 200A 600 VAC 3P N4X OS DISC	$3,318.66	$3,816.46	1 EA	1	122.36	18	97
781207214610	DJ4X1-100S	2" Riser-Gard Orange Split Empty	$217.84	$250.52	100 FT	100	26.5	50	106
781207350837	DJ4X1-500S	2" RISER-GARD CORR ORG SPLIT EMPTY	$217.84	$250.52	100 FT	500	132.5	50	106
781207203546	DJ4X1C-100	2" Riser Gard PVC Corrugated ORG w/Tape	$217.84	$250.52	100 FT	100	26.5	50	106
781207350134	DJ4X1C-2800	2" RISER-GARD PVC CORR ORG W / TAPE	$217.84	$250.52	100 FT	2,800	742.0	50	106
781207200668	DJ4X1C-700	2" RISER GARD PVC CORRUGATED ORG W/TAPE	$217.84	$250.52	100 FT	700	185.5	50	106
034481118053	DJ56NAJ	J-FUSIBLE 400A 600 VAC 3P N4X OC DISC	$3,691.55	$4,245.28	1 EA	1	70.18	18	96
034481118275	DJ56NAQ	J-FUSIBLE 400A 600 VAC 3P N4X OS DISC	$4,041.22	$4,647.40	1 EA	1	124.35	18	97
034481118121	DN16NAP	50X20 NF40A 250/600 VAC 3P N4X OS DISC	$1,125.15	$1,293.92	1 EA	1	3.58	18	97
034481116837	DN16NEA	6X4 NF40A-250/600 VAC 3P N4X OC DISC	$281.03	$323.18	1 EA	1	6.5	18	96
034481097389	DN16NLB	NF40A-250/600 VAC 3P N4X OC DISC	$286.72	$329.73	1 EA	1	7.22	18	96
034481118138	DN26NAP	50X20 NF80A 250/600 VAC 3P N4X OS DISC	$1,162.56	$1,336.94	1 EA	1	80.68	18	97
034481091172	DN26NLD	OETL-NF60DL884	$347.74	$399.90	1 EA	1	8.79	18	96
034481118145	DN36NAP	50X20 NF100A 250/600 VAC 3P N4X OS DIS	$1,216.75	$1,399.26	1 EA	1	81.08	18	97
034481091554	DN36NLF	NF100A-250/600 VAC 3P N4X OC DISC	$420.12	$483.14	1 EA	1	10.3	18	96
034481117759	DN46NAJ	NF200A-250/600 VAC 3P N4X OC DISC	$1,788.36	$2,056.61	1 EA	1	48.37	18	96
034481118152	DN46NAP	50X20 NF200A 250/600 VAC 3P N4X OS DIS	$1,904.49	$2,190.16	1 EA	1	84.32	18	97
034481117766	DN56NAM	NF400A-250/600 VAC 3P N4X OC DISC	$3,065.76	$3,525.62	1 EA	1	57.8	18	96
034481118169	DN56NAP	50X20 NF400A 250/600 VAC 3P N4X OS DIS	$2,998.66	$3,448.46	1 EA	1	91.81	18	97
034481118176	DR12NAQ	R-FUSIBLE 30A 250 VAC 3P N4X OS DISC	$1,367.72	$1,572.88	1 EA	1	107.84	18	97
034481117926	DR12NLK	R-FUSIBLE 30A 250 VAC 3P N4X OC DISC	$569.02	$654.37	1 EA	1	18	18	96
034481118206	DR16NAQ	R-FUSIBLE 30A 600 VAC 3P N4X OS DISC	$1,367.72	$1,572.88	1 EA	1	108.23	18	97
034481091479	DR16NLK	R-FUSIBLE 30A 600 VAC 3P N4X OC DISC	$569.02	$654.37	1 EA	1	18.2	18	96
034481118183	DR22NAQ	R-FUSIBLE 60A 250 VAC 3P N4X OS DISC	$1,419.33	$1,632.23	1 EA	1	109.41	18	97
034481117933	DR22NLK	R-FUSIBLE 60A 250 VAC 3P N4X OC DISC	$620.63	$713.72	1 EA	1	19.12	18	96

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034481118213	DR26NAQ	R-FUSIBLE 60A 600 VAC 3P N4X OS DISC	$1,419.33	$1,632.23	1 EA	1	111.38	18	97
034481117988	DR26NLK	R-FUSIBLE 60A 600 VAC 3P N4X OC DISC	$620.63	$713.72	1 EA	1	19.12	18	96
034481117957	DR32NAJ	R-FUSIBLE 100A 250 VAC 3P N4X OC DISC	$1,121.27	$1,289.46	1 EA	1	45	18	96
034481118190	DR32NAQ	R-FUSIBLE 100A 250 VAC 3P N4X OS DISC	$1,470.94	$1,691.58	1 EA	1	112.92	18	97
034481117995	DR36NAJ	R-FUSIBLE 100A 600 VAC 3P N4X OC DISC	$1,121.27	$1,289.46	1 EA	1	56.15	18	96
034481118220	DR36NAQ	R-FUSIBLE 100A 600 VAC 3P N4X OS DISC	$1,470.94	$1,691.58	1 EA	1	113.87	18	97
034481117964	DR42NAN	R-FUSIBLE 200A 250 VAC 3P N4X OC DISC	$2,479.96	$2,851.95	1 EA	1	100.47	18	96
034481118008	DR46NAN	R-FUSIBLE 200A 600 VAC 3P N4X OC DISC	$2,479.96	$2,851.95	1 EA	1	100.89	18	96
034481117971	DR52NAN	R-FUSIBLE 400A 250 VAC 3P N4X OC DISC	$5,943.12	$6,834.59	1 EA	1	128.96	18	96
034481118015	DR56NAN	R-FUSIBLE 400A 600 VAC 3P N4X OC DISC	$5,943.12	$6,834.59	1 EA	1	131.96	18	96
034481141020	E1212C24	24" CURVED LID J-BOX ASSEMBLY	$45.00	$51.75	1 EA	2	9.7	Q	36
034481141006	E1212L24	24" CURVED LID SUB-ASSEMBLY	$37.50	$43.13	1 EA	1	2.3	Q	36
781207203676	E143ET	3/4" METALLIC UNIVERSAL COUPLING	$1,769.85	$2,035.33	100 EA	1	0.1	63	108
781207048642	E142FT	1" METALLIC UNIVERSAL COUPLING	$2,815.61	$3,237.95	100 EA	30	4.0	63	108
781207048680	E142GT	1 1/4" METALLIC UNIVERSAL COUPLING	$2,178.47	$2,505.24	100 EA	25	6.0	63	108
781207059013	E142HT	1 1/2" METALLIC UNIVERSAL COUPLING	$4,196.72	$4,826.23	100 EA	15	6.0	63	108
781207059020	E142JT	2" METALLIC UNIVERSAL COUPLING	$4,284.90	$4,927.64	100 EA	10	5.0	63	108
781207050881	E143FT	1" METALLIC COUPLING	$30.36	$34.91	1 EA	75	14.0	63	
781207050898	E143GT	1 1/4" METALLIC COUPLING TAPERED	$31.63	$36.37	1 EA	50	10.0	63	
781207202143	E144GT	1 1/4" NON METALLIC EXTERNAL COUPLING	$20.27	$23.31	1 EA	25	2.0	63	
781207204024	E147E	3/4" METALLIC TERMINAL ADAPTER	$1,000.62	$1,150.71	100 EA	1	0.2	63	108
781207202020	E147F	1" METALLIC TERMINAL ADAPTER	$1,697.81	$1,952.48	100 EA	25	1.5	63	108
781207202037	E147G	1 1/4" METALLIC TERMINAL ADAPTER	$2,660.36	$3,059.41	100 EA	5	2.6	63	108
781207204031	E147H	1 1/2" METALLIC TERMINAL ADAPTER	$5,419.26	$6,232.15	100 EA	1	0.5	63	108
781207204048	E147J	2" METALLIC TERMINAL ADAPTER	$7,601.04	$8,741.20	100 EA	10	11.3	63	108
034481051008	E200J	2" P & C SLEEVE COUPLING	$581.90	$669.19	100 EA	30	4.3	17	177
034481044369	E200JS6	2" X 6" SCH 40 SPLIT COUPLING	$1,579.70	$1,816.66	100 EA	25	9.0	17	187
034481111375	E200KS7	2-1/2" P & C SLEEVE CPLG	$817.15	$939.72	100 EA	25	20.6	17	187
034481051015	E200L	3" P & C SLEEVE COUPLING	$803.97	$924.57	100 EA	25	13.6	17	177
034481044376	E200LS7	3" X 7" SCH 40 SPLIT COUPLING	$2,409.73	$2,771.19	100 EA	25	16.9	17	187
034481321460	E200LSS	3" SLEEVE CPLG SPLIT 1 SD	$765.43	$880.24	100 EA	25	10.1	17	187
034481051022	E200M	3-1/2" P & C SLEEVE CPLG	$967.25	$1,112.34	100 EA	20	12.0	17	177
034481044383	E200MS8	3-1/2 SPLIT CPLG 8 IN LNG	$2,376.10	$2,732.52	100 EA	25	19.6	17	187
034481051039	E200N	4" P & C SLEEVE COUPLING	$815.95	$938.34	100 EA	15	13.1	17	177
034481044345	E200NS8	4" X 8" SCH 40 SPLIT COUPLING	$2,799.72	$3,219.68	100 EA	15	15.7	17	187
034481321484	E200NSS	4" SLEEVE CPLG SPLIT 1 SD	$792.29	$911.13	100 EA	25	17.0	17	187
034481051046	E200P	5" P & C SLEEVE COUPLING	$972.67	$1,118.57	100 EA	8	12.2	17	177
034481044352	E200PS9	5" X 9" SCH 40 SPLIT COUPLING	$3,146.30	$3,618.25	100 EA	8	12.1	17	187
034481051053	E200R	6" P & C SLEEVE COUPLING	$1,457.34	$1,675.94	100 EA	5	11.1	17	177
034481044413	E200RS1	6" X 10" SCH 40 SPLIT COUPLING	$3,828.47	$4,402.74	100 EA	6	16.8	17	187
034481048480	E240L	3" P & C COUPLING	$243.05	$279.51	100 EA	30	9.2	17	177
034481048503	E240N	4" P & C COUPLING	$387.48	$445.60	100 EA	15	8.0	17	177
034481048527	E240P	5" P & C COUPLING	$699.84	$804.82	100 EA	20	16.4	17	177
034481321576	E240RF	6" P & C COUPLING	$2,027.43	$2,331.54	100 EA	5	12.7	17	177
034481048602	E241L	3" P & C LONG COUPLING	$486.34	$559.29	100 EA	15	6.5	17	177
034481048619	E241N	4" P & C LONG COUPLING	$611.55	$703.28	100 EA	10	7.5	17	177
034481051107	E242J	2" P & C SWEDGE COUPLING	$328.47	$377.74	100 EA	48	13.4	17	
034481321590	E2440NF	4" P & C 5° ANGLE CPLG B X B	$1,369.63	$1,575.07	100 EA	15	11.4	17	177
034481321606	E2440PF	5" P & C 5° ANGLE CPLG B X B	$1,701.40	$1,956.61	100 EA	10	12.4	17	177

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034481321613	E2440RF	6 P & C 5° ANGLE COUPLING SOCXSOC	$2,066.42	$2,376.38	100 EA	5	10.5	17	177
034481048961	E244J	2" P & C 5° ANGLE COUPLING (BXS)	$811.88	$933.66	100 EA	15	5.9	17	177
034481048985	E244L	3" P & C 5° ANGLE COUPLING (BXS)	$1,046.13	$1,203.05	100 EA	5	3.6	17	177
034481321583	E244NF	4" P & C 5° ANGLE COUPLING (BXS)	$1,237.51	$1,423.14	100 EA	15	11.4	17	177
034481090267	E244NF5	4" P & C 5° ANGLE COUPLING SHORT	$1,162.46	$1,336.83	100 EA	25	19.0	17	177
034481045595	E244PF	5" P & C 5° ANGLE COUPLING (BXS)	$1,353.89	$1,556.97	100 EA	10	16.6	17	177
034481087588	E244PF5	5" P & C 5° ANGLE COUPLING SHORT	$1,202.59	$1,382.98	100 EA	20	31.1	17	177
034481045601	E244RF	6" P & C 5° ANGLE COUPLING (BXS)	$1,386.22	$1,594.15	100 EA	5	17.5	17	177
034481111382	E244RF5	6" P & C 5° ANGLE COUPLING SHORT	$1,864.94	$2,144.68	100 EA	10	15.6	17	177
034481051206	E245J	2" P & C 5° ANGLE COUPLING (BXB)	$794.75	$913.96	100 EA	20	21.5	17	177
034481051244	E245N	4" P & C 5° ANGLE COUPLING (BXB)	$1,060.98	$1,220.13	100 EA	10	18.1	17	177
034481051251	E245P	5" P & C 5° ANGLE COUPLING (BXB)	$1,199.37	$1,379.28	100 EA	10	27.0	17	177
781207218328	E245R	6" P&C 5 DEGREE ANGLE COUPLING	$1,719.97	$1,977.97	100 EA	5	10.5	17	177
034481051602	E252LJ	3" X 2" P & C SWEDGE REDUCER	$1,076.79	$1,238.31	100 EA	50	21.3	17	178
034481019695	E252NJS	4" X 2" REDUCER SPECIAL	$3,059.67	$3,518.62	100 EA	25	39.8	17	178
034481051626	E252NL	4" X 3" P & C SWEDGE REDUCER	$1,310.43	$1,506.99	100 EA	25	20.7	17	178
034481051633	E252PN	5" X 4" P & C SWEDGE REDUCER	$1,602.67	$1,843.07	100 EA	20	25.6	17	178
034481321620	E252RNS	6" X 4" SWEDGE REDUCER	$5,967.82	$6,862.99	100 EA	6	21.5	17	178
034481051640	E252RP	6" X 5" P & C SWEDGE REDUCER	$2,748.00	$3,160.20	100 EA	10	16.4	17	178
034481048763	E297J	2" P & C BELL END	$491.28	$564.97	100 EA	40	4.6	17	178
034481048787	E297L	3" P & C BELL END	$588.90	$677.24	100 EA	50	8.8	17	178
034481048800	E297N	4" P & C BELL END	$693.26	$797.25	100 EA	30	10.7	17	178
034481048824	E297P	5" P & C BELL END	$1,044.74	$1,201.45	100 EA	15	8.3	17	178
034481321668	E297RF	6" P & C BELL END	$1,882.11	$2,164.43	100 EA	10	12.8	17	178
034481051404	E297RR	6" X 6" P & C LONG END BELL	$1,582.26	$1,819.60	100 EA	10	18.4	17	178
034481051503	E299JM	2" CABLE MARKER W/CAP FLARED	$778.14	$894.86	100 EA	1	1.3	17	178
034481321675	E299JP	56" CABLE MARKER W/CAP FLARED	$1,317.99	$1,515.68	100 EA	1	1.9	17	178
781207216935	E299JR	2" CABLE MARKER W/ PLUG CUT	$2,438.61	$2,804.40	100 EA	1	2.6	17	
034481148982	E299LR	5' CABLE MARKER WITH TAB	$3,180.00	$3,657.00	100 EA	1	4.0	17	
034481132776	E365D-CAR	1/2 ROUND T-BOX	$1,140.53	$1,311.61	100 EA	10	1.2	4	42
034481132769	E365DW-CAR	1/2 ROUND T-BOX WHITE	$1,140.53	$1,311.61	100 EA	10	1.2	4	42
034481132783	E381D-CAR	1/2 RECTANGULAR T-BOX	$781.04	$898.20	100 EA	10	2.3	4	42
034481132790	E381DW-CAR	1/2 RECTANGULAR T-BOX WHT	$781.04	$898.20	100 EA	10	1.8	4	42
034481144007	E382DE	TWO GANG T BOX, GRAY	$1,520.21	$1,748.24	100 EA	6	3.6	4	42
034481144113	E382DEW	TWO GANG T BOX, WHITE	$1,520.21	$1,748.24	100 EA	6	3.6	4	42
034481052012	E442K	2-1/2" SCH 40 SWEDGE COUPLING	$586.50	$674.48	100 EA	20	13.0	7	152
034481052067	E442R	6" SCH 40 SWEDGE COUPLING	$2,775.67	$3,192.02	100 EA	6	26.8	7	152
034481201922	E442T	8" SCH 40 SWEDGE COUPLING	$4,659.86	$5,358.49	100 EA	2	17.3	7	152
034481131441	E460R-CAR	PVC RND CEILING COVER RET	$81.17	$93.35	100 EA	35	2.2	15	23
034481202219	E854J	2" SCH 80 7' METER RISER	$2,108.55	$2,424.83	100 EA	158	1093.5	7	
034481141037	E88C24	24" CURVED LID J-BOX ASSEMBLY	$40.00	$46.00	1 EA	6	28.3	Q	36
034481141013	E88L24	24" CURVED LID	$30.00	$34.50	1 EA	1	2.1	Q	36
781207090160	E900NS	4" PVC SPLIT SLEEVE COUPLING	$1,456.00	$1,674.40	100 EA	25	21.2	17	187
781207202518	E900NSW	4" SPLIT SLEEVE COUPLING WHITE	$1,479.00	$1,700.85	100 EA	25	23.7	7	187
034481092049	E92CSH	1-1/2" CONCRETE SLEEVE	$258.32	$297.07	100 EA	20	2.9	7	156
034481092056	E92CSJ	2" CONCRETE SLEEVE	$313.68	$360.73	100 EA	25	5.6	7	156
034481092063	E92CSL	3" CONCRETE SLEEVE	$415.16	$477.43	100 EA	25	8.2	7	156
034481092070	E92CSN	4" CONCRETE SLEEVE	$663.75	$763.31	100 EA	18	7.5	7	156
034481092087	E92CSP	5" CONCRETE SLEEVE	$635.27	$730.56	100 EA	15	8.1	7	156

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034481092094	E92CSR	6" CONCRETE SLEEVE	$769.46	$884.88	100 EA	12	8.0	7	156
034481091608	E935J	2" RISER CAP	$731.48	$841.20	100 EA	25	9.2	7	155
034481091615	E935L	3" RISER CAP	$845.50	$972.33	100 EA	25	18.0	7	155
034481091639	E935N	4" RISER CAP	$1,089.05	$1,252.41	100 EA	25	18.0	7	155
034481091646	E935P	5" RISER CAP	$1,115.01	$1,282.26	100 EA	25	35.3	7	155
034481091653	E935R	6" RISER CAP	$1,184.87	$1,362.60	100 EA	10	13.0	7	155
034481091905	E938JL	2" X 3" PV MOLD VENTILATOR FITTING	$261.17	$300.35	1 EA	5	16.8	17	185
034481091912	E938JLN	2" X 3" X 4" PV MOLD VENTILATOR FITTING	$226.30	$260.25	1 EA	5	60.1	17	185
034481151951	E938JLNX	2" x 3" x 4" PV-MOLD VENTLESS BOOT	$231.64	$266.39	1 EA	5	60.0	17	
034481203155	E938NP	4" X 5" PV MOLD VENTILATOR FITTING	$178.14	$204.86	1 EA	3	22.0	17	185
034481091929	E938NPR	4" X 5" X 6" PV MOLD VENTILATOR FITTING	$230.93	$265.57	1 EA	3	37.1	17	185
034481203179	E938PR	6" X 5" PV MOLD VENTILATOR FITTING	$234.98	$270.23	1 EA	3	20.0	17	185
034481203193	E938RR	6" X 6" PV MOLD VENTILATOR FITTING	$240.11	$276.13	1 EA	3	24.0	17	185
034481322085	E938TR	8" X 6" PV MOLD VENTILATOR FITTING	$252.10	$289.92	1 EA	2	17.0	17	185
034481091950	E939LJ	3" X 2" PV MOLD ADAPTER	$58.63	$67.42	1 EA	50	72.2	17	185
034481091936	E939N	4" X 4" PV MOLD DUCT TO RISER FITTING	$1,228.36	$1,412.61	100 EA	15	5.3	17	185
034481203209	E939NJ	4" X 2" PV MOLD ADAPTER	$111.93	$128.72	1 EA	15	33.9	17	185
034481024866	E939NJX	2 TO 4 DUCT TO RISER CP	$1,663.94	$1,913.53	100 EA	15	7.4	17	
034481092001	E939NL	4" X 3" PV MOLD DUCT TO RISER FITTING	$1,049.11	$1,206.48	100 EA	15	5.6	17	185
034481203216	E939NLX	4" X 3" PV MOLD ADAPTER	$119.04	$136.90	1 EA	15	25.0	17	185
034481091967	E939PN	5" X 4" PV MOLD ADAPTER	$123.09	$141.55	1 EA	20	53.0	17	185
034481091974	E939RP	6" X 5" PV MOLD ADAPTER	$130.53	$150.11	1 EA	20	78.6	17	185
034481061014	E940D	1/2" SCH 40 COUPLING	$34.91	$40.15	100 EA	150	4.1	1	108
034481061021	E940E	3/4" SCH 40 COUPLING	$42.67	$49.07	100 EA	100	4.4	1	108
034481061038	E940F	1" SCH 40 COUPLING	$65.95	$75.84	100 EA	50	3.5	1	108
034481061045	E940G	1-1/4" SCH 40 COUPLING	$87.93	$101.12	100 EA	30	3.5	1	108
034481061052	E940H	1-1/2" SCH 40 COUPLING	$122.84	$141.27	100 EA	25	3.9	1	108
034481061069	E940J	2" SCH 40 COUPLING	$160.35	$184.40	100 EA	30	5.2	1	108
034481130789	E940K-CAR	21/2 PVC ELEC SOC CPLG	$283.19	$325.67	100 EA	4	1.9	1	152
034481130796	E940L-CAR	3 PVC ELEC SOC CPLG	$467.32	$537.42	100 EA	5	2.8	1	108
034481061090	E940M	3-1/2" SCH 40 COUPLING	$516.64	$594.14	100 EA	20	13.3	1	152
034481130802	E940N-CAR	4 PVC ELEC SOC CPLG	$721.12	$829.29	100 EA	5	4.2	1	108
034481061120	E940P	5" SCH 40 COUPLING	$1,825.88	$2,099.76	100 EA	8	9.5	1	152
034481061144	E940R	6" SCH 40 COUPLING	$2,334.07	$2,684.18	100 EA	5	9.1	1	152
034481203384	E941H	1-1/2" SCH 40 LONG LINE COUPLING	$751.99	$864.79	100 EA	40	9.4	7	152
034481061700	E941J	2" SCH 40 LONG LINE COUPLING	$471.98	$542.78	100 EA	25	8.2	7	152
034481061717	E941K	2-1/2" PVC FAB CPLG-6" LONG	$784.22	$901.85	100 EA	15	8.0	7	152
034481061724	E941L	3" SCH 40 LONG LINE COUPLING	$1,435.36	$1,650.66	100 EA	15	14.4	7	152
034481061731	E941N	4" SCH 40 LONG LINE COUPLING	$1,930.62	$2,220.21	100 EA	10	14.7	7	152
034481148661	E941PF	5" SCH 40 LONG LINE COUPLING	$3,974.00	$4,570.10	100 EA	4	12.3	7	152
034481116486	E941RF	6" SCH 40 LONG LINE COUPLING	$5,004.38	$5,755.04	100 EA	5	20.9	7	152
034481062417	E942D	1/2 " SCH 40 FEMALE ADAPTER	$49.14	$56.51	100 EA	150	4.4	1	153
034481062424	E942E	3/4" SCH 40 FEMALE ADAPTER	$82.76	$95.17	100 EA	100	4.4	1	153
034481062431	E942F	1" SCH 40 FEMALE ADAPTER	$115.09	$132.35	100 EA	50	3.7	1	153
034481062448	E942G	1 1/4" SCH 40 FEMALE ADAPTER	$150.26	$172.80	100 EA	30	3.3	1	153
034481062455	E942H	1 1/2 SCH 40 FEMALE ADAPTER	$162.12	$186.44	100 EA	25	3.4	1	153
034481062462	E942J	2" SCH 40 FEMALE ADAPTER	$219.82	$252.79	100 EA	30	5.5	1	153
034481130895	E942K-CAR	2 1/2 PVC ELEC FEM ADAPTER	$431.05	$495.71	100 EA	4	1.4	1	153
034481130901	E942L-CAR	3 PVC ELEC FEM ADAPT	$644.49	$741.16	100 EA	3	1.5	1	153

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034481062493	E942M	3 1/2 SCH 40 FEMALE ADAPTER	$840.88	$967.01	100 EA	20	12.4	1	153
034481130918	E942N-CAR	4 PVC ELEC FEM ADAPT	$862.11	$991.43	100 EA	7	5.0	1	153
034481322115	E942NX	4" SPL LONG LINE FEM ADAPTER	$798.25	$917.99	100 EA	6	16.14	1	153
034481062523	E942P	5" SCH 40 FEMALE ADAPTER	$2,145.67	$2,467.52	100 EA	8	8.5	1	153
034481062547	E942R	6" SCH 40 FEMALE ADAPTER	$2,832.34	$3,257.19	100 EA	6	8.6	1	153
034481322122	E942RX	6" SPL LONG LINE FEMALE ADAPTER	$8,392.70	$9,651.61	100 EA	6	29.0	17	153
034481062011	E943D	1/2" SCH 40 MALE ADAPTER	$43.96	$50.55	100 EA	150	2.8	1	108
034481062813	E943DW	1/2" NEOPRENE FLAT WASHER	$37.59	$43.23	100 EA	125	0.5	7	20
034481062028	E943E	3/4" SCH 40 MALE ADAPTER	$81.46	$93.68	100 EA	125	3.5	1	108
034481062820	E943EW	3/4" NEOPRENE FLAT WASHER	$40.28	$46.32	100 EA	125	0.5	7	20
034481062035	E943F	1" SCH 40 MALE ADAPTER	$102.16	$117.48	100 EA	50	3.0	1	108
034481062837	E943FW	1" NEOPRENE FLAT WASHER	$45.65	$52.50	100 EA	100	0.5	7	20
034481062042	E943G	1-1/4" SCH 40 MALE ADAPTER	$129.31	$148.71	100 EA	50	4.0	1	108
034481062844	E943GW	1-1/4" NEOPRENE FLAT WASHER	$68.48	$78.75	100 EA	50	0.4	7	156
034481062059	E943H	1-1/2" SCH 40 MALE ADAPTER	$159.06	$182.92	100 EA	25	2.5	1	108
034481062851	E943HW	1-1/2" NEOPRENE FLAT WASHER	$84.60	$97.29	100 EA	50	0.5	7	156
034481062066	E943J	2" SCH 40 MALE ADAPTER	$228.88	$263.21	100 EA	50	6.8	1	108
034481062868	E943JW	2" NEOPRENE FLAT WASHER	$96.68	$111.18	100 EA	25	0.4	7	156
034481131007	E943K-CAR	21/2 PVC ELEC MALE ADAPT	$394.08	$453.19	100 EA	5	1.2	1	153
034481131014	E943L-CAR	3 PVC ELEC MALE ADAPT	$582.80	$670.22	100 EA	5	1.8	1	108
034481062097	E943M	3-1/2" SCH 40 MALE ADAPTER	$751.25	$863.94	100 EA	30	13.8	1	153
034481131021	E943N-CAR	4 PVC ELEC MALE ADAPT	$1,003.10	$1,153.57	100 EA	5	3.1	1	108
034481062127	E943P	5" SCH 40 MALE ADAPTER	$1,968.62	$2,263.91	100 EA	5	4.6	1	153
034481062141	E943R	6" SCH 40 MALE ADAPTER	$2,368.79	$2,724.11	100 EA	10	12.3	1	153
034481133421	E944RF	6" SCH 40 5D ANGLE COUPLING B X S	$2,021.00	$2,324.15	100 EA	1	3.8	1	
034481061212	E945D	1/2" SCH 40 EXPANSION COUPLING	$2,113.33	$2,430.33	100 EA	50	21.0	9	152
034481061229	E945E	3/4" SCH 40 EXPANSION COUPLING	$2,080.35	$2,392.40	100 EA	50	25.9	9	152
034481061236	E945F	1" SCH 40 EXPANSION COUPLING	$2,173.13	$2,499.10	100 EA	45	34.1	9	152
034481061243	E945G	1-1/4" SCH 40 EXPANSION COUPLING	$2,183.90	$2,511.49	100 EA	30	29.5	9	152
034481061250	E945H	1-1/2" SCH 40 EXPANSION COUPLING	$2,194.66	$2,523.86	100 EA	25	31.0	9	152
034481061267	E945J	2" SCH 40 EXPANSION COUPLING	$2,419.90	$2,782.89	100 EA	15	25.5	9	152
034481087700	E945JJX	2" PVC Meter Riser w/ Expansion Coupling	$2,069.24	$2,379.63	100 EA	15	13.9	17	
034481061274	E945K	2-1/2" SCH 40 EXPANSION COUPLING	$3,329.66	$3,829.11	100 EA	10	29.0	9	152
034481203667	E945KX	2-1/2" EXP CPLG W/TERM ADAPTER	$2,821.58	$3,244.82	100 EA	10	29.0	17	152
034481203674	E945KXL	2-1/2" SPEC. EXP CPLG 12 TRAV	$6,659.55	$7,658.48	100 EA	10	42.0	17	152
034481061281	E945L	3" SCH 40 EXPANSION COUPLING	$4,265.03	$4,904.78	100 EA	10	41.9	9	152
034481203681	E945LX	3" SCH 40 EXP CPLG W/M ADAPTER	$3,756.25	$4,319.69	100 EA	10	42.0	17	152
034481061298	E945M	3-1/2" SCH 40 EXPANSION COUPLING	$5,160.03	$5,934.03	100 EA	5	27.0	9	152
034481061304	E945N	4" SCH 40 EXPANSION COUPLING	$6,150.04	$7,072.55	100 EA	5	30.6	9	152
034481203711	E945P	5" SCH 40 EXPANSION COUPLING	$9,427.75	$10,841.91	100 EA	3	27.4	9	152
034481061342	E945R	6" SCH 40 EXPANSION COUPLING	$12,686.13	$14,589.05	100 EA	2	29.5	9	152
034481203759	E948H	1-1/2" PVC SLEEVE COUPLING	$440.21	$506.24	100 EA	25	6.0	7	152
034481091707	E948J	2" SCH 40 REPAIR SLEEVE COUPLING	$851.41	$979.12	100 EA	25	4.8	7	152
034481203773	E948JR	2" PVC SLEEVE COUPLING 6" LONG	$725.92	$834.81	100 EA	15	7.0	17	
034481019640	E948JS	2" SCH 40 SPLIT DUCT COUPLING	$914.68	$1,051.88	100 EA	25	6.9	7	
034481091714	E948K	2-1/2" SCH 40 REPAIR SLEEVE COUPLING	$1,266.58	$1,456.57	100 EA	25	16.4	7	152
034481091721	E948L	3" SCH 40 REPAIR SLEEVE COUPLING	$1,246.56	$1,433.54	100 EA	25	13.2	7	152
034481096665	E948L6	3" PVC SLEEVE COUPLING 6" LONG	$1,402.34	$1,612.69	100 EA	15	9.0	17	
034481019664	E948LS	3 SCH 40 SPLIT DUCT CPLNG	$1,229.67	$1,414.12	100 EA	25	17.0	7	

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034481091745	E948N	4" SCH 40 REPAIR SLEEVE COUPLING	$1,719.85	$1,977.83	100 EA	10	8.2	7	152
034481203834	E948N7	4" PVC SLEEVE COUPLING 7" LONG	$1,498.54	$1,723.32	100 EA	15	27.0	7	
034481019657	E948NS	4" SCH 40 SPLIT DUCT COUPLING	$1,578.94	$1,815.78	100 EA	10	11.2	7	
034481091752	E948P	5" SCH 40 REPAIR SLEEVE COUPLING	$2,493.62	$2,867.66	100 EA	14	32.7	7	152
034481091769	E948R	6" SCH 40 REPAIR SLEEVE COUPLING	$3,131.93	$3,601.72	100 EA	6	16.0	7	152
034481203858	E948R10	6" PVC SLEEVE COUPLING	$2,066.60	$2,376.59	100 EA	6	6.6	7	
034481322283	E949J5	2" SCH 40 LONG BELL END	$1,423.47	$1,636.99	100 EA	50	10.0	17	
034481322290	E949J6	2" PVC 6" LONG BELL END	$1,465.94	$1,685.83	100 EA	25	12.0	17	
034481091806	E949JN	2(4L)SCH40 LONG END BELLS	$1,574.44	$1,810.61	100 EA	25	7.0	17	
034481091813	E949JX	2" PVC 8" LONG BELL END	$1,485.87	$1,708.75	100 EA	12	6.4	17	
034481091820	E949LR	3" SCH 40 6" LONG BELL END	$1,758.55	$2,022.33	100 EA	20	21.3	17	
034481123590	E949N5	4" SCH 40 5" LONG BELL END	$2,160.61	$2,484.70	100 EA	20	22.9	17	
034481091851	E949NR	4" SCH 40 6" LONG BELL END	$2,083.95	$2,396.54	100 EA	15	22.6	17	
034481322405	E949R5	6" PVC 5" LONG BELL END	$2,554.66	$2,937.86	100 EA	12	24.0	17	
034481091899	E949RX	6" PVC 8" LONG BELL END	$2,743.97	$3,155.57	100 EA	6	17.0	17	
034481062219	E950ED	3/4" X1/2" REDUCING BUSHING	$97.53	$112.16	100 EA	100	2.5	7	154
034481132998	E950FD-CAR	1X1/2 PVC ELEC RED BUSH	$218.78	$251.60	100 EA	25	1.6	7	154
034481062233	E950FE	1" X 3/4" REDUCING BUSHING	$231.96	$266.75	100 EA	100	3.8	7	154
034481130482	E950GE-CAR	11/4X3/4 PVC ELEC R BUSH	$299.45	$344.37	100 EA	10	1.0	7	154
034481062257	E950GF	1-1/4" X 1" REDUCING BUSHING	$299.45	$344.37	100 EA	50	3.3	7	154
034481130505	E950HF-CAR	11/2X1 PVC ELEC RED BUSH	$311.54	$358.27	100 EA	10	0.9	7	154
034481130512	E950HG-CAR	11/2X11/4 PVC EL RED BUSH	$305.77	$351.64	100 EA	10	0.8	7	154
034481130529	E950JG-CAR	2X11/4 PVC ELEC RED BUSH	$374.65	$430.85	100 EA	10	2.0	7	154
034481130536	E950JH-CAR	2X1 1/2 PVC ELEC RED BUSH	$367.71	$422.87	100 EA	10	1.4	7	154
034481130543	E950KJ-CAR	21/2X2 PVC ELEC RED BUSH	$1,211.25	$1,392.94	100 EA	10	2.7	7	154
034481130550	E950LJ-CAR	3X2 PVC ELEC RED BUSH	$1,293.16	$1,487.13	100 EA	10	5.3	7	154
034481062325	E950LK	3" X 2-1/2" REDUCING BUSHING	$1,474.82	$1,696.04	100 EA	25	4.7	7	154
034481062332	E950NL	4" X 3" PVC ELEC RED BUSH	$1,642.21	$1,888.54	100 EA	25	22.8	7	154
034481062875	E952KJ	2-1/2" X 2" SCH 40 SWEDGE REDUCER	$1,967.75	$2,262.91	100 EA	48	27.9	7	154
034481062882	E952LJ	3" X 2" SCH 40 SWEDGE REDUCER	$2,015.52	$2,317.85	100 EA	36	21.0	7	154
034481062899	E952LK	3" X 2-1/2" SCH 40 SWEDGE REDUCER	$2,142.69	$2,464.09	100 EA	36	30.6	7	154
034481062912	E952NL	4" X 3" SCH 40 SWEDGE REDUCER	$2,217.70	$2,550.36	100 EA	15	23.0	7	154
034481062929	E952NM	4" X 3-1/2" SWEDGE REDUCER	$2,262.96	$2,602.40	100 EA	15	24.63	7	154
034481062936	E952PN	5" X 4" SCH 40 SWEDGE REDUCER	$2,306.48	$2,652.45	100 EA	12	25.6	7	154
034481062943	E952RP	6" X 5" SCH 40 SWEDGE REDUCER	$3,679.94	$4,231.93	100 EA	10	31.0	7	154
034481204145	E953JX	2" PVC METER RISER 120°	$1,515.68	$1,743.03	100 EA	140	980.0	7	
034481063810	E954J	2" X 5' SCH 40 METER RISER	$1,270.54	$1,461.12	100 EA	1	4.0	7	155
034481063858	E954JX	2" SCH 40 METER RISER 80°	$1,833.31	$2,108.31	100 EA	1	5.0	7	155
034481322436	E954JXX	2" METER RISER EXPANSION	$3,682.98	$4,235.43	100 EA	20	43.6	7	38
034481063827	E954K	2-1/2" X 5' SCH 40 METER RISER	$1,709.50	$1,965.93	100 EA	1	6.0	7	155
034481063865	E954KX	2-1/2" SCH 40 METER RISER 80°	$2,635.97	$3,031.37	100 EA	1	8.0	7	155
034481322443	E954KXL	2-1/2" PVC METER RISER LOCKNUT	$1,942.70	$2,234.11	100 EA	1	8.1	7	
034481063834	E954L	3" X 5' SCH 40 METER RISER	$2,750.63	$3,163.22	100 EA	1	8.0	7	155
034481056751	E954LX	3" SCH 40 METER RISER 80°	$3,577.00	$4,113.55	100 EA	1	11.0	7	155
034481111405	E954LXS	3" METER EXPANSION SPLIT	$7,459.30	$8,578.20	100 EA	10	39.0	7	
034481322467	E954LXX	3" METER RISER EXPANSION CPLG	$4,105.50	$4,721.33	100 EA	10	41.9	7	38
034481129820	E954NXX	4" SLIP METER RISER	$4,635.70	$5,331.06	100 EA	5	31.8	7	38
034481062714	E955D	1/2" SCH 40 SHORT EXPANSION CPLG	$1,026.71	$1,180.72	100 EA	40	3.7	9	152
034481062721	E955E	3/4" SCH 40 SHORT EXPANSION CPLG	$1,061.64	$1,220.89	100 EA	40	4.6	9	152

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034481062738	E955F	1" PVC SHORT EXPANSION COUPLING	$1,368.07	$1,573.28	100 EA	25	4.0	9	152
034481062745	E955G	11/4 PVC SHT EXP COUP	$1,626.19	$1,870.12	100 EA	15	3.6	9	152
034481062752	E955H	1-1/2" SCH 40 SHORT EXPANSION CPLG	$2,089.48	$2,402.90	100 EA	10	3.1	9	152
034481062769	E955J	2" SCH 40 SHORT EXPANSION CPLG	$2,508.12	$2,884.34	100 EA	6	2.5	9	152
034481061618	E958D	1/2" PVC ELECTRIC PIPE CAP	$140.99	$162.14	100 EA	100	3.0	7	155
034481061625	E958E	3/4" PVC ELECT PIPE CAP	$158.46	$182.23	100 EA	100	4.2	7	155
034481061632	E958F	1" PIPE CAP	$177.26	$203.85	100 EA	75	4.9	7	155
034481061649	E958G	1-1/4" PVC ELECT PIPE CAP	$252.46	$290.33	100 EA	40	4.2	7	155
034481061656	E958H	1-1/2" PIPE CAP	$299.45	$344.37	100 EA	30	3.8	7	155
034481204404	E958J	2" PIPE CAP	$430.99	$495.64	100 EA	25	5.2	7	155
034481204411	E958K	2-1/2" PIPE CAP	$934.62	$1,074.81	100 EA	10	4.0	7	155
034481204428	E958L	3" PIPE CAP	$972.67	$1,118.57	100 EA	10	5.0	7	155
034481204435	E958N	4" PIPE CAP	$2,025.02	$2,328.77	100 EA	5	17.2	7	155
034481204442	E958P	5" PIPE CAP	$2,384.90	$2,742.64	100 EA	5	11.0	7	155
034481204459	E958R	6" PIPE CAP	$3,988.71	$4,587.02	100 EA	5	13.0	7	155
034481032854	E960GFL	8-1/4" POLYCARB PLASTIC GLOBE - CLEAR	$2,712.41	$3,119.27	100 EA	6	4.9	8	43
034481064879	E960GLB	GLASS GLOBE - CLEAR	$826.89	$950.92	100 EA	6	6.6	8	43
034481064893	E960PGL	PLASTIC GLOBE - CLEAR	$1,651.21	$1,898.89	100 EA	6	3.0	8	43
034481120483	E962E	WEATHERPROOF FIXTURE	$2,572.39	$2,958.25	100 EA	6	4.5	8	43
034481322474	E966JJ	2"X2" SCH 80 DBL BELLED COUPLING	$3,980.31	$4,577.36	100 EA	10	9.0	17	185
034481066743	E970CD	1/2" ROUND TYPE X CONDUIT BODY	$1,142.77	$1,314.19	100 EA	15	10.0	6	156
034481066750	E970CE	3/4" ROUND TYPE X CONDUIT BODY	$1,100.44	$1,265.51	100 EA	15	9.6	6	156
034481062356	E971C	FLOOR BOX 3/4" X 1/2" REDUCER PLUG	$146.79	$168.81	100 EA	100	2.1	7	28
034481062363	E971D	FLOOR BOX 1" X 3/4" REDUCER PLUG	$162.43	$186.79	100 EA	100	3.2	7	28
034481067061	E971FB	ROUND FLOOR BOX BASE	$2,137.92	$2,458.61	100 EA	10	15.6	11	28
034481042945	E972Y	3/4" Y-CONNECTOR	$346.52	$398.50	100 EA	10	2.1	11	28
034481042952	E973K	ROUND FLOOR BOX DIVIDER KIT	$3,557.75	$4,091.41	100 EA	10	3.0	11	28
034481126645	E9761B	COVER ASSY. SINGLE BROWN	$5,353.68	$6,156.73	100 EA	3	1.7	11	31
034481150312	E9761BR	COVER ASSY. SINGLE, BRASS	$12,217.92	$14,050.61	100 EA	3	6.8	11	31
034481126638	E9761C	COVER ASSY. SINGLE CARMEL	$5,353.68	$6,156.73	100 EA	3	1.7	11	31
034481148609	E9761S	COVER ASSY. SINGLE SLATE	$5,353.68	$6,156.73	100 EA	3	1.7	11	31
034481126669	E9762B	COVER ASSY DOUBLE BROWN	$7,700.58	$8,855.67	100 EA	9	8.5	11	31
034481150305	E9762BR	COVER ASSY. DOUBLE, BRASS	$20,560.80	$23,644.92	100 EA	3	9.9	11	31
034481126652	E9762C	COVER ASSY. DOUBLE CARMEL	$7,700.58	$8,855.67	100 EA	9	8.5	11	31
034481148616	E9762S	COVER ASSY. DOUBLE SLATE	$7,700.58	$8,855.67	100 EA	9	8.5	11	31
034481126683	E9763B	COVER ASSY. TRIPLE BROWN	$10,106.45	$11,622.42	100 EA	6	7.5	11	31
034481150299	E9763BR	COVER ASSY. TRIPLE, BRASS	$31,041.92	$35,698.21	100 EA	3	12.1	11	31
034481126676	E9763C	COVER ASSY TRIPLE CARMEL	$10,106.45	$11,622.42	100 EA	6	7.5	11	31
034481148807	E9763S	COVER ASSY. TRIPLE SLATE	$10,106.45	$11,622.42	100 EA	6	7.5	11	31
034481150275	E976AK2	ACTIVATION KIT 2, RECT. FLOOR BOX	$1,497.00	$1,721.55	100 EA	3	1.3	11	30
034481126560	E976RFB	RECT. FL. BOX BASE ASS,Y.	$3,653.32	$4,201.32	100 EA	3	7.0	11	30
034481069416	E977DC	1/2" PVC CLAMP	$23.12	$26.59	100 EA	100	1.2	9	163
034481069423	E977EC	3/4" PVC CLAMP	$27.82	$31.99	100 EA	100	1.4	9	163
034481069430	E977FC	1" PVC CLAMP	$48.94	$56.28	100 EA	100	1.9	9	163
034481069447	E977GC	1-1/4" PVC CLAMP	$56.69	$65.19	100 EA	50	4.8	9	163
034481069454	E977HC	1-1/2" PVC CLAMP	$58.19	$66.92	100 EA	50	5.8	9	163
034481069461	E977JC	2" PVC CLAMP	$72.51	$83.39	100 EA	25	4.5	9	163
034481130628	E978DC-CAR	1/2 COND WALL HGR CHIP-BX	$63.19	$72.67	100 EA	40	0.6	9	162
034481130635	E978EC-CAR	3/4 COND WALL HGR CHIP-BX	$65.07	$74.83	100 EA	40	2.9	9	162

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034481130642	E978FC-CAR	1 COND WALL HGR CHIP-BOX	$67.42	$77.53	100 EA	30	4.1	9	162
034481130659	E978GC-CAR	1-1/4 COND WALL HGR CH/BX	$84.65	$97.35	100 EA	15	4.4	9	162
034481130666	E978HC-CAR	1-1/2 COND WALL HGR CH/BX	$90.34	$103.89	100 EA	15	5.1	9	162
034481130673	E978JC-CAR	2 COND WALL HGR CHIP-BOX	$99.86	$114.84	100 EA	10	5.0	9	162
034481132103	E979DFN-CAR	1/2 SINGLE FS BOX 18 CU	$853.46	$981.48	100 EA	10	4.8	4	159
034481132110	E979EFN-CAR	3/4 SINGLE FS BOX 18 CU	$968.71	$1,114.02	100 EA	10	4.8	4	159
034481049241	E979FFN	1" FSCC WP BOX - NEW STYLE	$1,089.05	$1,252.41	100 EA	15	7.3	4	159
034481149620	E97ABR2	METAL COVER ADAPTER RING	$979.55	$1,126.48	100 EA	10	3.3	11	29
034481149774	E97BR	Flr Box Cvr, Duplex/GFCI-Brass	$7,280.00	$8,372.00	100 EA	5	7	11	29
034481149781	E97BRG	FLR BOX CVR, 1.25" NPS-BRASS	$7,280.00	$8,372.00	100 EA	5	7.5	11	29
034481204718	E97CCR	ROUND CLEAR CARPET RING	$643.69	$740.24	100 EA	10	1.1	11	29
034481112020	E97DSB	DS DPLX RECEP. FLR BOX CVR-BROWN	$1,912.90	$2,199.84	100 EA	10	5.8	11	29
034481112013	E97DSC	DS DPLX RECEP. FLR BOX CVR-CARMEL	$1,912.90	$2,199.84	100 EA	10	5.7	11	29
034481089988	E97DSCP	DELETE							
034481082323	E97DSGP	DELETE							
034481111986	E97DSI	DS DPLX RECEP. FLR BOX CVR-IVORY	$2,185.04	$2,512.80	100 EA	10	5.2	11	29
034481114888	E97DSS	DS DPLX RECEP. FLR BOX CVR-SLATE	$1,912.90	$2,199.84	100 EA	10	5.6	11	29
034481111993	E97DST	DS DPLX RECEP. FLR BOX CVR-TAUPE	$2,185.04	$2,512.80	100 EA	10	5.7	11	29
034481150190	E97SSRB	FLR BOX CVR 1-1/4" & SGL, BROWN	$1,787.76	$2,055.92	100 EA	10	3.8	11	29
034481150176	E97SSRC	FLR BOX CVR 1-1/4" & SGL, CARAMEL	$1,787.76	$2,055.92	100 EA	10	3.8	11	29
034481150169	E97SSRS	FLR BOX CVR- 1-1/4" & SGL, SLATE	$1,787.76	$2,055.92	100 EA	10	3.8	11	29
034481153887	E9801	HUBLESS TYPE FD WP BOX - DEEP	$775.87	$892.25	100 EA	10	4.7	4	160
034481048862	E9801DN	1/2" FDE WP BOX DEEP-NEW STYLE	$888.32	$1,021.57	100 EA	10	5.3	4	160
034481048855	E9801EN	3/4" FDE WP BOX DEEP-NEW STYLE	$918.11	$1,055.83	100 EA	10	5.3	4	160
034481048879	E9801FN	1" FDE WP BOX DEEP-NEW STYLE	$1,004.45	$1,155.12	100 EA	10	5.3	4	160
034481153870	E9802	HUBLESS 2-GANG TYPE FS WP BOX	$726.73	$835.74	100 EA	10	5.3	4	161
034481131878	E9802CN-CAR	2-GANG BLANK FS COVER GREY	$313.68	$360.73	100 EA	10	1.8	5	41
034481084013	E9802D	1/2" 2-GANG 2FSE WP BOX	$838.24	$963.98	100 EA	10	5.4	4	161
034481084051	E9802E	3/4" 2-GANG 2FSE WP BOX	$871.56	$1,002.29	100 EA	10	5.1	4	161
034481084105	E9802F	1" 2-GANG 2FSE WP BOX	$935.77	$1,076.14	100 EA	10	5.2	4	161
034481132967	E980CN-CAR	CVR, BLANK, 1 GANG, GY	$276.02	$319.72	100 EA	12	1.5	5	41
034481048923	E980DFN	1/2" FSE WP BOX - NEW STYLE	$744.84	$856.57	100 EA	10	4.1	4	159
034481048930	E980EFN	3/4" FSE WP BOX - NEW STYLE	$784.92	$902.66	100 EA	10	4.2	4	159
034481132189	E980FFN-CAR	1 SINGLE FS BOX 18 CU	$869.87	$1,000.35	100 EA	10	4.9	4	159
034481048893	E9811DN	1/2" FDC WP BOX DEEP-NEW STYLE	$953.42	$1,096.43	100 EA	10	5.3	4	160
034481048909	E9811EN	3/4" FDC WP BOX DEEP-NEW STYLE	$985.85	$1,133.73	100 EA	10	5.1	4	160
034481048916	E9811FN	1" FDC WP BOX DEEP-NEW STYLE	$1,055.48	$1,213.80	100 EA	10	4.7	4	160
034481050964	E9812D	1/2" 2-GANG FSC WP BOX	$905.08	$1,040.84	100 EA	10	5.2	4	161
034481050971	E9812E	3/4" 2-GANG FSC WP BOX	$935.77	$1,076.14	100 EA	10	5.3	4	161
034481050988	E9812F	1" 2-GANG FSC WP BOX	$1,004.45	$1,155.12	100 EA	10	5.3	4	161
034481048978	E981DFN	1/2" FSC WP BOX - NEW STYLE	$777.16	$893.73	100 EA	15	6.2	4	159
034481048992	E981EFN	3/4" FSC WP BOX - NEW STYLE	$853.46	$981.48	100 EA	15	6.3	4	159
034481132240	E981FFN-CAR	1 SINGLE FS BOX 18 CU	$968.71	$1,114.02	100 EA	10	4.2	4	159
034481049036	E982DFN	1/2" FSS WP BOX - NEW STYLE	$800.01	$920.01	100 EA	10	4.6	4	159
034481049074	E982EFN	3/4" FSS WP BOX - NEW STYLE	$853.46	$981.48	100 EA	10	4.6	4	159
034481132271	E982FFN-CAR	1 SINGLE FS BOX 18 CU	$968.71	$1,114.02	100 EA	8	3.6	4	159
034481132301	E983D-CAR	1/2" TYPE T CONDUIT BODY	$434.94	$500.18	100 EA	10	2.3	6	157
034481132318	E983E-CAR	3/4" TYPE T CONDUIT BODY	$532.76	$612.67	100 EA	10	4.6	6	157
034481066033	E983F	1" TYPE T CONDUIT BODY	$548.29	$630.53	100 EA	20	8.2	6	157

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034481066040	E983G	1-1/4" TYPE T CONDUIT BODY	$909.11	$1,045.48	100 EA	10	10.2	6	157
034481132349	E983H-CAR	1-1/2" TYPE T CONDUIT BODY	$1,199.17	$1,379.05	100 EA	4	3.4	6	157
034481066064	E983J	2" TYPE T CONDUIT BODY	$1,704.15	$1,959.77	100 EA	10	15.9	6	157
034481002864	E9842D	1/2" THREADED ADAPTER	$52.37	$60.23	100 EA	25	0.8	6	153
034481002871	E9842E	3/4" THREADED ADAPTER	$87.29	$100.38	100 EA	25	1.0	6	153
034481132363	E984D-CAR	1/2" TYPE LL CONDUIT BODY	$382.54	$439.92	100 EA	10	2.0	6	157
034481132370	E984E-CAR	3/4" TYPE LL CONDUIT BODY	$496.85	$571.38	100 EA	8	3.4	6	157
034481132387	E984F-CAR	1" TYPE LL CONDUIT BODY	$545.19	$626.97	100 EA	10	4.3	6	157
034481132394	E984G-CAR	1-1/4" TYPE LL CONDUIT BODY	$780.19	$897.22	100 EA	5	4.3	6	157
034481132400	E984H-CAR	1-1/2" TYPE LL CONDUIT BODY	$909.11	$1,045.48	100 EA	5	4.3	6	157
034481065661	E984J	2" TYPE LL CONDUIT BODY	$1,581.58	$1,818.82	100 EA	10	16.1	6	157
034481132417	E984J-CAR	2 PVC TYPE LL ACC FIT	$1,492.06	$1,715.87	100 EA	3	4.8	6	
034481132424	E985D-CAR	1/2" TYPE LR CONDUIT BODY	$444.51	$511.19	100 EA	10	2.0	6	157
034481132431	E985E-CAR	3/4" TYPE LR CONDUIT BODY	$496.85	$571.38	100 EA	10	4.3	6	157
034481132448	E985F-CAR	1" TYPE LR CONDUIT BODY	$545.19	$626.97	100 EA	10	4.3	6	157
034481132455	E985G-CAR	1-1/4" TYPE LR CONDUIT BODY	$1,108.47	$1,274.74	100 EA	5	4.5	6	157
034481132462	E985H-CAR	1-1/2" TYPE LR CONDUIT BODY	$1,030.86	$1,185.49	100 EA	5	4.5	6	157
034481065418	E985J	2" TYPE LR CONDUIT BODY	$1,581.58	$1,818.82	100 EA	10	16.1	6	157
034481132486	E986D-CAR	1/2" TYPE LB CONDUIT BODY	$321.98	$370.28	100 EA	10	2.1	6	157
034481132493	E986E-CAR	3/4" TYPE LB CONDUIT BODY	$455.18	$523.46	100 EA	10	4.4	6	157
034481132509	E986F-CAR	1" TYPE LB CONDUIT BODY	$500.44	$575.51	100 EA	10	4.3	6	157
034481132516	E986G-CAR	1-1/4" TYPE LB CONDUIT BODY	$715.09	$822.35	100 EA	5	4.6	6	157
034481132523	E986H-CAR	1-1/2" TYPE LB CONDUIT BODY	$834.06	$959.17	100 EA	5	4.4	6	157
034481065463	E986J	2" TYPE LB CONDUIT BODY	$1,478.03	$1,699.73	100 EA	10	16.6	6	157
034481065487	E986K	2-1/2" TYPE LB CONDUIT BODY	$5,685.83	$6,538.70	100 EA	4	14.5	6	157
034481065494	E986L	3" TYPE LB CONDUIT BODY	$5,875.92	$6,757.31	100 EA	4	14.8	6	157
034481065500	E986M	3-1/2" TYPE LB CONDUIT BODY	$6,296.63	$7,241.12	100 EA	4	22.6	6	157
034481065517	E986N	4" TYPE LB CONDUIT BODY	$6,443.59	$7,410.13	100 EA	4	22.3	6	157
034481132554	E987D-CAR	1/2" TYPE C CONDUIT BODY	$350.48	$403.05	100 EA	10	2.0	6	157
034481132561	E987E-CAR	3/4" TYPE C CONDUIT BODY	$496.85	$571.38	100 EA	10	4.3	6	157
034481132578	E987F-CAR	1" TYPE C CONDUIT BODY	$545.19	$626.97	100 EA	10	4.0	6	157
034481132585	E987G-CAR	1-1/4" TYPE C CONDUIT BODY	$966.74	$1,111.75	100 EA	5	4.6	6	157
034481132592	E987H-CAR	1-1/2" TYPE C CONDUIT BODY	$909.11	$1,045.48	100 EA	4	3.4	6	157
034481065067	E987J	2" TYPE C CONDUIT BODY	$1,611.42	$1,853.13	100 EA	10	23.7	6	157
034481132615	E987N-CAR	4X4X4 PVC JUNCTION BOX	$1,913.56	$2,200.59	100 EA	5	4.3	6	158
034481132622	E987R-CAR	6X6X4 JUNCTION BOX	$2,340.04	$2,691.05	100 EA	2	2.8	6	158
034481132639	E988D-CAR	1/2" TYPE E CONDUIT BODY	$350.48	$403.05	100 EA	5	1.8	6	157
034481065227	E988E	3/4" TYPE E CONDUIT BODY	$496.85	$571.38	100 EA	20	8.1	6	157
034481132646	E988F-CAR	1" TYPE E CONDUIT BODY	$545.19	$626.97	100 EA	10	4.0	6	157
034481132653	E988G-CAR	1-1/4" TYPE E CONDUIT BODY	$780.19	$897.22	100 EA	5	4.7	6	157
034481132660	E988H-CAR	1-1/2" TYPE E CONDUIT BODY	$909.11	$1,045.48	100 EA	5	4.7	6	157
034481065265	E988J	2" TYPE E CONDUIT BODY	$1,611.42	$1,853.13	100 EA	5	8.0	6	157
034481132707	E989N-CAR	8X8X4 ELECTRICAL BOX	$4,410.27	$5,071.81	100 EA	1	2.1	6	158
034481132714	E989NNJ-CAR	4X4X2 PVC ELEC BOX	$1,158.83	$1,332.65	100 EA	5	2.8	6	158
034481132721	E989NNR-CAR	4X4X6 PVC ELEC BOX	$1,960.81	$2,254.93	100 EA	4	5.0	6	158
034481132738	E989PPJ-CAR	5X5X2 JUNCTION BOX	$2,041.63	$2,347.87	100 EA	4	2.8	6	158
034481037897	E989RRR-UPC	6X6X6 JUNCTION BOX	$2,731.71	$3,141.47	100 EA	8	13.5	6	158
034481040392	E989R-UPC	12X12X6 ELECTRICAL BOX	$6,216.90	$7,149.44	100 EA	2	9.5	6	158
034481083184	E989SSX-UPC	8X8X7 ELECTRICAL BOX	$5,868.75	$6,749.06	100 EA	2	6.0	6	158

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034481066989	E989UUN	12" X 12" X 4" JUNCTION BOX	$6,031.64	$6,936.39	100 EA	3	11.7	6	158
034481131700	E98DHGN-CAR	CVR, DUPLX, HORZ, GRAY	$1,047.83	$1,205.00	100 EA	10	3.9	5	40
034481110712	E98G20N	SINGLE RECEPT 20 AMP WP COVER-GREY	$1,237.51	$1,423.14	100 EA	20	4.1	5	40
034481131762	E98G30N-CAR	CVR, 30 AMP RECEPT, GRAY	$1,237.51	$1,423.14	100 EA	10	2.1	5	40
034481131779	E98G5FN-CAR	CVR, 50 AMP RECEPT, GRAY	$1,237.51	$1,423.14	100 EA	10	2.0	5	40
034481110781	E98GCBN	CIRCUIT BREAKER WP COVER-GREY	$1,433.97	$1,649.07	100 EA	20	3.9	5	40
034481131724	E98GDRN-CAR	CVR, DPLX RECPT, VRT, GRY	$970.21	$1,115.74	100 EA	10	2.0	5	40
034481131748	E98GFCN-CAR	CVR, GFI RECEPTACLE, GRAY	$731.78	$841.55	100 EA	10	2.0	5	40
034481133032	E98GHGN-CAR	CVR, GFI, HORZ, GRAY	$789.12	$907.49	100 EA	10	1.9	5	40
034481131786	E98SRCN-CAR	CVR, 15 AMP RECEPT, GRAY	$744.46	$856.13	100 EA	10	2.1	5	40
034481131793	E98SSCN-CAR	CVR, SWITCH, GRAY	$736.85	$847.38	100 EA	10	2.1	5	40
034481131816	E98TSCN-CAR	CVR, TGGLE SWITCH, GY	$587.19	$675.27	100 EA	5	1.1	5	40
034481130680	E990DR-CAR	1/2" PVC PULL ELBOW	$325.54	$374.37	100 EA	25	2.3	6	
034481130697	E990ER-CAR	3/4" PVC PULL ELBOW	$361.13	$415.30	100 EA	20	2.4	6	
034481132745	E994DR-CAR	1/2 PVC OFFSET	$177.55	$204.18	100 EA	25	2.6	7	155
034481132752	E994ER-CAR	3/4 PVC OFFSET	$306.47	$352.44	100 EA	15	2.2	7	155
034481066330	E994F	1" OFFSET	$400.67	$460.77	100 EA	50	12.4	7	155
034481066347	E995G	1-1/4" METER OFFSET	$593.09	$682.05	100 EA	15	3.1	7	155
034481066361	E995J	2" METER OFFSET	$631.31	$726.01	100 EA	8	2.7	7	155
034481062615	E996D	1/2" BOX ADAPTER	$76.54	$88.02	100 EA	100	1.6	7	153
034481062622	E996E	3/4" BOX ADAPTER	$77.76	$89.42	100 EA	100	2.0	7	153
034481062639	E996F	1" BOX ADAPTER	$84.60	$97.29	100 EA	100	3.0	7	153
034481062646	E996G	1-1/4" BOX ADAPTER	$89.97	$103.47	100 EA	50	2.5	7	153
034481062653	E996H	1-1/2" BOX ADAPTER	$94.00	$108.10	100 EA	50	3.1	7	153
034481062660	E996J	2" BOX ADAPTER	$101.48	$116.70	100 EA	25	2.4	7	153
034481131090	E996K-CAR	2 1/2 PVC ADAPTER	$424.34	$487.99	100 EA	10	1.9	7	153
034481131106	E996L-CAR	3" BOX ADAPTER	$424.34	$487.99	100 EA	5	1.0	7	153
034481062707	E996N	4" BOX ADAPTER	$492.83	$566.75	100 EA	10	4.4	7	153
034481131113	E997F-CAR	1" SCH 40 END BELL	$299.19	$344.07	100 EA	15	0.9	7	155
034481131120	E997G-CAR	1-1/4" SCH 40 END BELL	$366.60	$421.59	100 EA	15	1.2	7	155
034481131137	E997H-CAR	11/2 PVC BELL END	$366.60	$421.59	100 EA	10	0.9	7	155
034481131144	E997J-CAR	2" SCH 40 END BELL	$549.58	$632.02	100 EA	10	1.2	7	155
034481131151	E997K-CAR	21/2 PVC BELL END	$598.91	$688.75	100 EA	10	1.9	7	155
034481131168	E997L-CAR	3" SCH 40 END BELL	$642.68	$739.08	100 EA	10	2.1	7	155
034481061496	E997M	3-1/2" SCH 40 END BELL	$706.44	$812.41	100 EA	40	10.2	7	155
034481061502	E997N	4" SCH 40 END BELL	$768.11	$883.33	100 EA	30	10.7	7	155
034481061526	E997P	5" SCH 40 END BELL	$1,203.32	$1,383.82	100 EA	15	9.6	7	155
034481061540	E997R	6" SCH 40 END BELL	$1,319.30	$1,517.20	100 EA	10	7.4	7	155
034481208358	E997T	8" SCH 40 END BELL	$5,113.59	$5,880.63	100 EA	3	14.6	17	155
034481131465	E998E-CAR	3/4 PVC ENTRANCE CAP	$478.05	$549.76	100 EA	5	0.7	7	155
034481131472	E998F-CAR	1 PVC ENTRANCE CAP	$631.13	$725.80	100 EA	5	1.2	7	155
034481131489	E998G-CAR	11/4 PVC ENTRANCE CAP	$796.56	$916.04	100 EA	5	2.1	7	155
034481131496	E998H-CAR	11/2 PVC ENTRANCE CAP	$958.18	$1,101.91	100 EA	5	5.5	7	155
034481066132	E998J	2" SERVICE ENTRANCE CAP	$1,611.22	$1,852.90	100 EA	5	5.0	7	155
034481025078	E998K-UPC	21/2 PVC ENTRANCE CAP	$8,545.90	$9,827.79	100 EA	2	10.8	7	155
034481066156	E998L	3" SERVICE ENTRANCE CAP	$8,265.59	$9,505.43	100 EA	2	10.0	7	155
034481066170	E998N	4" SERVICE ENTRANCE CAP	$24,304.10	$27,949.72	100 EA	2	30.1	7	155
034481131519	E9G2DDN-CAR	CVR, DBL DPLX, 2 GANG, GY	$1,145.23	$1,317.01	100 EA	10	2.3	5	41
034481131533	E9G2DSN-CAR	CVR, DPLX/TOGGLE, 2G, GY	$1,022.85	$1,176.28	100 EA	10	1.3	5	41

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034481131557	E9G2GTN-CAR	CVR, GFI/TOGGLE, 2G, GY	$1,003.18	$1,153.66	100 EA	5	1.3	5	41
034481114925	E9G2SSN	2-GANG TOGGLE WP COVER-GREY	$1,167.68	$1,342.83	100 EA	6	3.2	5	41
034481075073	E9U2CRN	IN-USE WP CVR, 2-G, CLR	$2,599.91	$2,989.90	100 EA	6	4.1	5	41
034481075080	E9U2GRN	IN-USE WP CVR, 2-G, GY	$2,599.91	$2,989.90	100 EA	6	4.2	5	41
034481075097	E9U2WRN	IN-USE WP CVR, 2-G, WT	$2,599.91	$2,989.90	100 EA	6	4.3	5	41
034481125204	E9UDVCRN	IN-USE WPCVR,1G,DV,CLR,RT	$1,965.78	$2,260.65	100 EA	8	8.6	5	41
034481153221	E9UDVGRN	1-GANG VERT. DP IN-USE WP CVR-GREY	$1,965.78	$2,260.65	100 EA	8	8.6	5	41
034481153245	E9UDVWRN	1-GANG VERT. DP IN-USE WP CVR-WHITE	$1,965.78	$2,260.65	100 EA	8	8.6	5	41
034481074953	E9UHCRN	IN-USE WP CVR,1-G H, CLR	$1,461.56	$1,680.79	100 EA	4	2.0	5	41
034481074960	E9UHGRN	IN-USE WP CVR,1-G H, GY	$1,461.56	$1,680.79	100 EA	4	2.1	5	41
034481074977	E9UHWRN	IN-USE WP CVR,1-G H, WT	$1,461.56	$1,680.79	100 EA	4	2.2	5	41
034481075004	E9UVCRN	IN-USE WP CVR,1-G V, CLR	$1,461.56	$1,680.79	100 EA	12	5.0	5	41
034481075011	E9UVGRN	IN-USE WP CVR,1-G V, GY	$1,461.56	$1,680.79	100 EA	12	5.2	5	41
034481075028	E9UVWRN	IN-USE WP CVR,1-G V, WT	$1,461.56	$1,680.79	100 EA	12	5.3	5	41
034481200703	EGCEJ	2" X 2" EXT COUPLING - WIREWAY	$4.69	$5.39	1 EA	10	1.3	21	48
034481200710	EGCEL	3" X 3" EXT COUPLING - WIREWAY	$5.97	$6.87	1 EA	10	2.2	21	48
034481200727	EGCEN	4" X 4" EXT COUPLING - WIREWAY	$5.87	$6.75	1 EA	10	2.5	21	48
034481200734	EGCER	6" X 6" EXT COUPLING - WIREWAY	$20.66	$23.76	1 EA	10	7.8	21	48
034481003939	EGCIJ	2" X 2" INT COUPLING - WIREWAY	$8.26	$9.50	1 EA	10	1.3	21	48
034481003922	EGCIL	3" X 3" INT COUPLING - WIREWAY	$8.10	$9.32	1 EA	10	2.2	21	48
034481003915	EGCIN	4" X 4" INT COUPLING - WIREWAY	$10.17	$11.70	1 EA	10	2.5	21	48
034481200741	EGFCJ	2" X 2" FLAT CROSS - WIREWAY	$48.59	$55.88	1 EA	1	0.5	21	47
034481200758	EGFCL	3" X 3" FLAT CROSS - WIREWAY	$51.13	$58.80	1 EA	1	1.3	21	47
034481200765	EGFCN	4" X 4" FLAT CROSS - WIREWAY	$58.42	$67.18	1 EA	1	1.7	21	47
034481200772	EGFCR	6" X 6" FLAT CROSS - WIREWAY	$70.90	$81.54	1 EA	1	4.8	21	47
034481200789	EGFJ	2" X 2" FLANGE - WIREWAY	$12.14	$13.96	1 EA	10	1.1	21	48
034481200796	EGFL	3" X 3" FLANGE - WIREWAY	$14.28	$16.42	1 EA	10	1.4	21	48
034481200802	EGFN	4" X 4" FLANGE - WIREWAY	$16.48	$18.95	1 EA	10	2.2	21	48
034481200819	EGFR	6" X 6" FLANGE - WIREWAY	$19.45	$22.37	1 EA	10	3.0	21	48
034481200826	EGLEJ	2" X 2" 90° BEND/EXT CVR - WIREWAY	$40.83	$46.95	1 EA	1	0.3	21	47
034481200833	EGLEL	3" X 3" 90° BEND/EXT CVR - WIREWAY	$42.86	$49.29	1 EA	1	0.8	21	47
034481200840	EGLEN	4" X 4" 90° BEND/EXT CVR - WIREWAY	$51.45	$59.17	1 EA	1	1.2	21	47
034481200857	EGLER	6" X 6" 90° BEND/EXT CVR - WIREWAY	$60.97	$70.12	1 EA	1	3.3	21	47
034481200864	EGLFJ	2" X 2" 90° BEND/FLAT CVR - WIREWAY	$40.83	$46.95	1 EA	1	0.3	21	47
034481200871	EGLFL	3" X 3" 90° BEND/FLAT CVR - WIREWAY	$42.86	$49.29	1 EA	1	0.6	21	47
034481200888	EGLFN	4" X 4" 90° BEND/FLAT CVR - WIREWAY	$51.45	$59.17	1 EA	1	1.1	21	47
034481200895	EGLFR	6" X 6" 90° BEND/FLAT CVR - WIREWAY	$60.97	$70.12	1 EA	1	3.3	21	47
034481200901	EGLIJ	2" X 2" 90° BEND/INT CVR - WIREWAY	$40.83	$46.95	1 EA	1	0.3	21	47
034481200918	EGLIL	3" X 3" 90° BEND/INT CVR - WIREWAY	$42.86	$49.29	1 EA	1	0.7	21	47
034481200925	EGLIN	4" X 4" 90° BEND/INT CVR - WIREWAY	$51.45	$59.17	1 EA	1	1.1	21	47
034481200932	EGLIR	6" X 6" 90° BEND/INT CVR - WIREWAY	$60.98	$70.13	1 EA	1	3.0	21	47
034481200963	EGPR	PUSH RIVET - WIREWAY (PL250-10-01)	$55.18	$63.46	100 EA	200	0.4	21	48
034481200970	EGSBJ	2" X 2" HANGER - WIREWAY	$11.19	$12.87	1 EA	10	0.9	21	48
034481200987	EGSBL	3" X 3" HANGER - WIREWAY	$19.85	$22.83	1 EA	10	1.3	21	48
034481200994	EGSBN	4" X 4" HANGER - WIREWAY	$22.56	$25.94	1 EA	10	0.2	21	48
034481201007	EGSBR	6" X 6" HANGER - WIREWAY	$25.49	$29.31	1 EA	10	2.8	21	48
034481201014	EGSEJ	2" X 2" STOP END - NEMA TYPE 12	$14.71	$16.92	1 EA	10	0.6	21	48
034481201021	EGSEL	3" X 3" STOP END - NEMA TYPE 12	$15.57	$17.91	1 EA	10	0.9	21	48
034481201038	EGSEN	4" X 4" STOP END - NEMA TYPE 12 (2 PK)	$18.78	$21.60	1 EA	10	1.6	21	48

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034481201045	EGSER	6" X 6" STOP END - NEMA TYPE 12	$27.28	$31.38	1 EA	10	5.0	21	48
034481201052	EGTEJ	2" X 2" TEE/EXT COVER - WIREWAY	$48.59	$55.88	1 EA	1	0.4	21	47
034481201069	EGTEL	3" X 3" TEE/EXT COVER - WIREWAY	$51.13	$58.80	1 EA	1	0.9	21	47
034481201076	EGTEN	4" X 4" TEE/EXT COVER - WIREWAY	$58.30	$67.05	1 EA	1	1.4	21	47
034481201083	EGTER	6" X 6" TEE/EXT COVER - WIREWAY	$70.90	$81.54	1 EA	1	3.8	21	47
034481201090	EGTFJ	2" X 2" TEE/FLAT COVER - WIREWAY	$48.59	$55.88	1 EA	1	0.4	21	47
034481201106	EGTFL	3" X 3" TEE/FLAT COVER - WIREWAY	$51.13	$58.80	1 EA	1	0.9	21	47
034481201113	EGTFN	4" X 4" TEE/FLAT COVER - WIREWAY	$58.30	$67.05	1 EA	1	1.4	21	47
034481201120	EGTFR	6" X 6" TEE/FLAT COVER - WIREWAY	$70.90	$81.54	1 EA	1	15.2	21	47
034481122043	EMP1194	11X9X4 MOUNTING PLATE - HE ENCL	$9.87	$11.35	1 EA	10	13.1	19	73
034481122050	EMP1210	MOUNTING PLATE	$15.40	$17.71	1 EA	5	4.2	19	73
034481122067	EMP1411	14X11X4 MOUNTING PLATE - HE ENCL	$15.88	$18.26	1 EA	5	3.1	19	73
034481122029	EMP743	MOUNTING PLATE	$4.21	$4.84	1 EA	10	10.0	19	73
034481122036	EMP974	9X7X4 MOUNTING PLATE - HE ENCL	$6.14	$7.06	1 EA	10	8.5	19	73
034481118589	F100JA	J-FUSIBLE 100A 600 VAC 3 POLE SW	$622.64	$716.04	1 EA	1	3.97	18	99
034481118596	F200JA	J-FUSIBLE 200A 600 VAC 3 POLE SW	$1,652.41	$1,900.27	1 EA	1	15.21	18	99
034481118602	F400JA	J-FUSIBLE 400A 600 VAC 3 POLE SW	$2,227.16	$2,561.23	1 EA	1	17.2	18	99
034481118572	F60JA	J-FUSIBLE 60A 600 VAC 3 POLE SW	$458.01	$526.71	1 EA	1	3.53	18	99
034481118367	FN16NLB	NF40A 250/600 VAC 4P N4X DISC	$269.68	$310.13	1 EA	1	8.22	18	98
034481118374	FN26NLD	NF80A 250/600 VAC 4P N4X DISC	$331.61	$381.35	1 EA	1	9.79	18	98
034481118381	FN36NLG	NF100A 250/600 VAC 4P N4X DISC	$437.67	$503.32	1 EA	1	11.3	18	98
034481118398	FN46NAJ	NF200A 250/600 VAC 4P N4X DISC	$1,659.33	$1,908.23	1 EA	1	50.37	18	98
034481118404	FN56NAM	NF400A 250/600 VAC 4P N4X DISC	$2,926.40	$3,365.36	1 EA	1	69.66	18	98
034481002628	G280J	E-Z BEND 1/2" - 2" PVC BENDER	$390.43	$448.99	1 EA	1	14.0	12	191
034481112983	HC1612B	16X12 HP N12 CLR CVR ENCL	$210.55	$242.13	1 EA	1	12.5	19	75
034481112709	HC2016B	20X16 HP N12 CLR CVR ENCL	$282.74	$325.15	1 EA	1	17.1	19	75
034481112686	HC2416C	24X16 HP N12 CLR CVR ENCL	$336.89	$387.42	1 EA	1	24.1	19	75
034481112693	HC3020D	30X20 HP N12 CLR CVR ENCL	$372.98	$428.93	1 EA	1	36.0	19	75
034481112716	HC3325D	33X25 HP N12 CLR CVR ENCL	$445.17	$511.95	1 EA	1	43.1	19	75
034481121961	HE1194	11X9X4 HE ENCLOSURE-OPAQUE LID	$72.19	$83.02	1 EA	1	2.7	19	72
034481121985	HE12105	12X10X5 HE ENCLOSURE-OPAQUE LID	$101.07	$116.23	1 EA	1	3.0	19	72
034481121992	HE1210C	12X10X5 HE ENCLOSURE-CLEAR LID	$133.55	$153.58	1 EA	1	3.0	19	72
034481122005	HE14114	14X11X4 HE ENCLOSURE-OPAQUE LID	$113.10	$130.07	1 EA	1	4.0	19	72
034481122012	HE1411C	14X11X4 HE ENCLOSURE-CLEAR LID	$168.44	$193.71	1 EA	1	4.0	19	72
034481121886	HE432	4X3X2 HE ENCLOSURE-OPAQUE LID	$12.52	$14.40	1 EA	5	1.1	19	72
034481121893	HE432C	4X3X2 HE ENCLOSURE-CLEAR LID	$20.94	$24.08	1 EA	5	1.1	19	72
034481121862	HE443	4X4X3 HE ENCLOSURE-OPAQUE LID	$13.03	$14.98	1 EA	6	3.3	19	72
034481121879	HE443C	4X4X3 HE ENCLOSURE-CLEAR LID	$16.85	$19.38	1 EA	6	3.1	19	
034481121909	HE533	5X3X3 HE ENCLOSURE-OPAQUE LID	$17.08	$19.64	1 EA	5	3.0	19	72
034481121916	HE533C	5X3X3 HE ENCLOSURE-CLEAR LID	$26.94	$30.98	1 EA	5	2.4	19	72
034481121923	HE743	7X4X3 HE ENCLOSURE-OPAQUE LID	$26.47	$30.44	1 EA	2	1.1	19	72
034481121930	HE743C	7X4X3 HE ENCLOSURE-CLEAR LID	$37.29	$42.88	1 EA	2	1.1	19	72
034481121947	HE974	9X7X4 HE ENCLOSURE-OPAQUE LID	$37.29	$42.88	1 EA	1	1.1	19	72
034481121954	HE974C	9X7X4 HE ENCLOSURE-CLEAR LID	$55.35	$63.65	1 EA	1	1.1	19	72
034481121978	HEH119	11X9X4 HE ENCLOSURE-OPAQ HNG LID	$83.01	$95.46	1 EA	1	2.1	19	72
034481122074	HEHK1	HINGE KIT FOR HE743, HE973 ENCLS	$9.03	$10.38	1 EA	1	0.4	19	
034481122081	HEHK2	HINGE KIT FOR HE1194, HE12105 ENCLS	$9.03	$10.38	1 EA	1	0.4	19	
034481122098	HEHK3	HINGE KIT FOR HE14114 ENCLOSURE	$10.22	$11.75	1 EA	1	1.0	19	
034481122104	HEWMB	WALL MNTG BRACKET-HE ENCLOSURES	$9.63	$11.07	1 EA	1	0.4	19	73

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034481209096	HH11A7	11X11X7 HNG CVR ENCL	$115.74	$133.10	1 EA	2	8.5	19	74
034481209102	HH11A7C	11X11X7 HNG CLR CVR ENCL	$115.74	$133.10	1 EA	2	8.0	19	74
034481209119	HH11A9	11X11X9 HINGED COVER - OPAQUE	$130.93	$150.57	1 EA	1	3.9	19	74
034481002284	HH11A9C	11X11X9 HINGED COVER - CLEAR	$130.93	$150.57	1 EA	1	3.9	19	74
034481209126	HH11B7	11X14X7 HINGED COVER - OPAQUE	$130.93	$150.57	1 EA	1	4.3	19	74
034481209133	HH11B7C	11X14X7 HINGED COVER ENCLOSURE	$130.93	$150.57	1 EA	1	4.0	19	74
034481209140	HH11B9	11X14X9 HNG CVR ENCL	$146.24	$168.18	1 EA	1	6.2	19	74
034481002291	HH11B9C	11X14X9 HNG CLR CVR ENCL	$146.24	$168.18	1 EA	1	5.7	19	74
034481209157	HH11C7	11X21X7 HNG CVR ENCL	$164.60	$189.29	1 EA	2	13.2	19	74
034481209164	HH11C7C	11X21X7 HNG CLR CVR ENCL	$164.60	$189.29	1 EA	2	13.2	19	74
034481209171	HH11C9	11X21X9 HNG CVR ENCL	$184.06	$211.67	1 EA	1	8.6	19	74
034481209188	HH11C9C	11X21X9 HNG CLR CVR ENCL	$184.06	$211.67	1 EA	1	8.8	19	74
034481209195	HH15C7	15X21X7 HNG CVR ENCL	$189.85	$218.33	1 EA	1	10.6	19	74
034481209201	HH15C7C	15X21X7 HNG CLR CVR ENCL	$189.85	$218.33	1 EA	1	11.0	19	74
034481209218	HH15C9	15X21X9 HNG CVR ENCL	$213.06	$245.02	1 EA	1	11.4	19	74
034481209225	HH15C9C	15X21X9 HNG CLR CVR ENCL	$213.06	$245.02	1 EA	1	10.8	19	74
034481209232	HH15D9	15X28X9 HNG CVR ENCL	$275.15	$316.42	1 EA	1	12.8	19	74
034481209249	HH15D9C	15X28X9 HNG CVR ENCL	$275.15	$316.42	1 EA	1	13.0	18	74
034481209256	HH21C7	21X21X7 HNG CVR ENCL	$254.94	$293.18	1 EA	1	12.6	19	74
034481209263	HH21C7C	21X21X7 HNG CVR - CLEAR	$254.94	$293.18	1 EA	1	12.6	19	74
034481209270	HH21C9	21X21X9 HNG CVR ENCL	$290.38	$333.94	1 EA	1	13.5	19	74
034481209287	HH21C9C	21X21X9 HNG CLR CVR ENCL	$290.38	$333.94	1 EA	1	13.7	19	74
034481209294	HH21D9	21X28X9 HNG CVR ENCL	$380.13	$437.15	1 EA	1	17.8	19	74
034481209300	HH21D9C	21X28X9 HNG CLR CVR ENCL	$380.13	$437.15	1 EA	1	17.9	19	74
034481209317	HH7A7	7X11X7 HNG CVR ENCL	$103.86	$119.44	1 EA	2	7.0	19	74
034481209324	HH7A7C	7X11X7 HNG CLR CVR ENCL	$103.86	$119.44	1 EA	2	6.2	19	74
034481108429	HL2020	20X20X12 HNG CVR ENCL	$447.56	$514.69	1 EA	1	29.3	19	78
034481108436	HL2030	20X30X12 HNG CVR ENCL	$512.36	$589.21	1 EA	1	37.0	19	78
034481108443	HL3020	30X20X12 HNG CVR ENCL	$519.41	$597.32	1 EA	1	36.2	19	78
034481108450	HL3030	30X30X12 HNG CVR ENCL	$662.78	$762.20	1 EA	1	51.3	19	78
034481108467	HL3040	30X40X12 HNG CVR ENCL	$831.44	$956.16	1 EA	1	59.5	19	78
034481108474	HL30402	30X40X12 HNG DBL DOOR ENCL	$955.47	$1,098.79	1 EA	1	63.5	19	79
034481108481	HL30502	30X50X12 HNG DBL DOOR ENCL	$1,048.60	$1,205.89	1 EA	1	80.3	19	79
034481108498	HL4020	40X20X12 HNG CVR ENCL	$702.25	$807.59	1 EA	1	45.0	19	78
034481108504	HL40202	40X20X12 HNG DBL DOOR ENCL	$842.28	$968.62	1 EA	1	48.5	19	79
034481108924	HL4030	40X30X12 HNG CVR ENCL	$764.97	$879.72	1 EA	1	57.4	19	78
034481108931	HL40302	40X30X12 HNG DBL DOOR ENCL	$945.81	$1,087.68	1 EA	1	58.0	19	79
034481108948	HL4040	40X40X12 HNG CVR ENCL	$956.39	$1,099.85	1 EA	1	76.5	19	78
034481108955	HL40402	40X40X12 HNG DBL DOOR ENCL	$1,113.17	$1,280.15	1 EA	1	78.3	19	79
034481108511	HL40502	40X50X12 HNG DBL DOOR ENCL	$1,195.17	$1,374.45	1 EA	1	97.8	19	79
034481108528	HL5020	50X20X12 HNG ENCL	$794.74	$913.95	1 EA	1	54.6	19	78
034481108535	HL50202	50X20X12 HNG DBL DOOR ENCL	$871.53	$1,002.26	1 EA	1	58.75	19	79
034481108542	HL5030	50X30X12 HNG CVR ENCL	$935.19	$1,075.47	1 EA	1	80.0	19	78
034481108559	HL50302	50X30X12 HNG DBL DOOR ENCL	$1,047.91	$1,205.10	1 EA	1	79.8	19	79
034481108566	HL5040	50X40X12 HNG CVR ENCL	$1,062.53	$1,221.91	1 EA	1	94.5	19	78
034481108573	HL50402	50X40X12 HNG DBL DOOR ENCL	$1,181.91	$1,359.20	1 EA	1	91.5	19	79
034481150121	HL5040L	HL5040 COVER	$296.75	$341.26	1 EA	1	18.0	19	
034481108719	HLBPA4	BACK PANEL ADJ - HL	$43.59	$50.13	1 EA	1	3.1	19	93
034481108726	HLBPA6	BACK PANEL ADJ - HL	$63.17	$72.65	1 EA	1	5.8	19	93

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034481108634	HLLTD	KEY LOCK HANDLE - HL	$11.48	$13.20	1 EA	1	0.1	19	93
034481108658	HLMB20	20X12 MOUNTING BASE	$115.41	$132.72	1 EA	1	9.6	19	94
034481108665	HLMB30	30X12 MOUNTING BASE	$122.04	$140.35	1 EA	1	11.3	19	94
034481108672	HLMB40	40X12 MOUNTING BASE	$143.25	$164.74	1 EA	1	12.8	19	94
034481108627	HLMFSS	ST STEEL MOUNTING FEET - HL	$30.70	$35.31	1 EA	4	0.7	19	93
034481118930	HLTEL	STANDARD KEY LOCK POLYMEL - HP	$116.34	$133.79	1 EA	1	1.0	19	93
034481108641	HMRMH	HM WING HANDLE REPLACE	$498.11	$572.83	100 EA	50	0.0	19	
034481112945	HP1612B	16X12X7 HP N4X ENCL	$162.84	$187.27	1 EA	1	11.0	19	75
034481115229	HP2016B	20X16X7 HP N4X ENCL	$226.56	$260.54	1 EA	1	16.8	19	75
034481112969	HP2416C	24X16X10 HP N4X ENCL	$247.81	$284.98	1 EA	1	21.1	19	75
034481112990	HP3020D	30X20X12 HP N4X ENCL	$336.30	$386.75	1 EA	1	32.3	19	75
034481113027	HP3325D	33X24X12 HP N4X ENCL	$401.21	$461.39	1 EA	1	39.0	19	75
034481113171	HPBNGB	BLANKING GROMMET-HP1612B/HP2016B	$6.92	$7.96	1 EA	4	0.5	19	91
034481113188	HPBNGC	BLANKNG GROMMET-HP2416C/3020/3225D	$7.76	$8.92	1 EA	4	0.5	19	91
034481113225	HPBU	COUPLING FRAME - HP3020D/HP3325D	$52.94	$60.88	1 EA	1	1.0	19	92
034481112730	HPCO300	35MM SYMMETRIC RAIL - HP1612B	$561.87	$646.15	100 EA	1	0.3	19	91
034481112747	HPCO400	35MM RAIL - HP2016B & HP2416C	$647.30	$744.40	100 EA	1	0.3	19	91
034481112754	HPCO500	35MM RAIL FOR HP3020D ENCL	$732.72	$842.63	1 EA	1	0.3	19	91
034481112761	HPCO600	35MM RAIL FOR HP33325D ENCL	$812.14	$933.96	100 EA	1	0.25	19	91
034481113485	HPFA4	FIXING ACCSRY-HP M4 THD SCREW	$56.54	$65.02	100 EA	100	1.5	19	90
034481113492	HPFA5	FIXING ACCSRY-HP M5 THD SCREW	$69.78	$80.25	100 EA	100	1.5	19	90
034481113508	HPFA6	FIXING ACCSRY-HP M6 THD SCREW	$72.19	$83.02	100 EA	100	1.5	19	90
034481119777	HPFB104	FIXING BOLT SLOTTED 10/4	$46.88	$53.91	100 EA	100	3.1	19	90
034481119781	HPFB125	FIXING BOLT SLOTTED 12/5	$54.72	$62.93	100 EA	100	2.5	19	90
034481119814	HPFB126	FIXING BOLT SLOTTED 12/6	$46.88	$53.91	100 EA	100	2.5	19	90
034481119784	HPFB164	FIXING BOLT SLOTTED 16/4	$54.72	$62.93	100 EA	100	2.5	19	90
034481119807	HPFB185	FIXING BOLT SLOTTED 18/5	$54.72	$62.93	100 EA	100	2.5	19	90
034481119821	HPFB186	FIXING BOLT SLOTTED 18/6	$93.80	$107.87	100 EA	100	2.5	19	90
034481113119	HPLM200	DEPTH ADJST SUPPRT-HP1612B/HP2015B	$50.53	$58.11	1 EA	4	1.1	19	90
034481113126	HPLM250	DEPTH ADJUST SUPPORT - HP2416C	$52.94	$60.88	1 EA	4	4.0	19	90
034481113133	HPLM300	DEPTH ADJST SUPPRT-HP3020D/HP3325D	$56.54	$65.02	1 EA	4	1.0	19	90
034481112846	HPPF300	POLE FIXING KIT - HP1612B	$133.55	$153.58	1 EA	1	1.0	19	91
034481112853	HPPF400	POLE FIXING KIT-HP2016B/HP2416B	$137.16	$157.73	1 EA	1	1.0	19	91
034481112860	HPPF500	POLE FIXING KIT-HP3020D	$143.18	$164.66	1 EA	1	1.0	19	91
034481112877	HPPF600	POLE FIXING KIT-HP3325*	$144.38	$166.04	1 EA	1	1.0	19	91
034481119753	HPPLH	PADLOCK ATTACHMENT - HP	$34.29	$39.43	1 EA	1	0.1	19	92
034481112839	HPRFK	HP DIN RAIL FIXING INSERT KIT	$1.26	$1.45	1 EA	1	0.8	19	91
034481119739	HPRKO	REPLACEMENT KEY ONLY - HP	$4.82	$5.54	1 EA	24	0.5	19	
034481119722	HPRLA	REPLACEMENT DOOR LOCK - HP	$7.22	$8.30	1 EA	1	0.1	19	92
034481119760	HPRPH	REPLACEMENT INNER PANEL HARDWARE	$34.29	$39.43	1 EA	1	0.1	19	
034481119746	HPRSH	REPLACEMENT STD HANDLE	$1.81	$2.08	1 EA	1	0.1	19	92
034481112563	HPSFS1	PEDESTAL SUPPORT POLE - HP	$670.13	$770.65	1 EA	1	20.0	19	90
034481120513	HPTPLM	CYLINDER KEY LOCK	$11.19	$12.87	1 EA	1	1.0	19	92
034481112570	HPVEA9	DRAINING PLUG	$6.01	$6.91	1 EA	1	0.3	19	84
034481113386	HPVM25	VENTILATOR 25	$3.01	$3.46	1 EA	1	1.0	19	84
034481112594	HPVM35	VENTILATOR 35	$6.01	$6.91	1 EA	1	1.0	19	84
034481112600	HPWMF	WALL MNTG FEET-ALL HP EXCPT HP1208A	$25.93	$29.82	1 EA	4	0.4	19	91
034481108016	HS11A7	11X11X7 SCR CVR ENCL	$65.79	$75.66	1 EA	4	15.2	19	74
034481108153	HS11A7C	11X11X7 SCR CLR CVR ENCL	$65.79	$75.66	1 EA	4	14.1	19	74

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034481108061	HS11A9	11X11X9 SCR CVR ENCL	$78.53	$90.31	1 EA	4	15.3	19	74
034481108207	HS11A9C	11X11X9 SCR CLR CVR ENCL	$78.53	$90.31	1 EA	4	15.4	19	74
034481108283	HS11ABP	9X9 BACK PANEL - HS	$9.36	$10.76	1 EA	1	2.3	19	89
034481108023	HS11B7	11X14X7 SCR CVR ENCL	$99.09	$113.95	1 EA	4	17.0	19	74
034481108160	HS11B7C	11X14X7 SCR CLR CVR ENCL	$99.09	$113.95	1 EA	4	18.2	19	74
034481108078	HS11B9	11X14X9 SCR CVR ENCL	$95.79	$110.16	1 EA	4	19.7	19	74
034481108214	HS11B9C	11X14X9 SCR CLR CVR ENCL	$95.79	$110.16	1 EA	4	19.0	19	74
034481108290	HS11BBP	9X12.6 BACK PANEL - HS	$12.83	$14.75	1 EA	1	3.1	19	89
034481108030	HS11C7	11X21X7 SCR CVR ENCL	$115.95	$133.34	1 EA	2	12.7	19	74
034481108177	HS11C7C	11X21X7 SCR CLR CVR ENCL	$115.95	$133.34	1 EA	2	12.5	19	74
034481108092	HS11C9	11X21X9 SCR CVR ENCL	$134.51	$154.69	1 EA	2	13.7	19	74
034481108221	HS11C9C	11X21X9 SCR CLR CVR ENCL	$134.51	$154.69	1 EA	2	13.6	19	74
034481108306	HS11CBP	9X19.7 BACK PANEL - HS	$17.06	$19.62	1 EA	1	4.8	19	89
034481108047	HS15C7	15X21X7 SCR CVR ENCL	$140.60	$161.69	1 EA	2	17.1	19	74
034481108184	HS15C7C	15X21X7 SCR CLR CVR ENCL	$140.60	$161.69	1 EA	2	18.0	19	74
034481108108	HS15C9	15X21X9 SCR CVR ENCL	$165.82	$190.69	1 EA	2	18.5	19	74
034481108238	HS15C9C	15X21X9 SCR CLR CVR ENCL	$165.82	$190.69	1 EA	2	19.4	19	74
034481108313	HS15CBP	12.6X19.7 BACK PANEL - HS	$25.46	$29.28	1 EA	1	6.5	19	89
034481108122	HS15D9	15X28X9 SCR CVR ENCL	$226.32	$260.27	1 EA	1	12.8	19	74
034481108252	HS15D9C	15X28X9 SCR CLR CVR ENCL	$226.32	$260.27	1 EA	1	12.6	19	74
034481108337	HS15DBP	12.6X26.8 BACK PANEL - HS	$34.53	$39.71	1 EA	1	11.1	19	89
034481108054	HS21C7	21X21X7 SCR CVR ENCL	$209.53	$240.96	1 EA	1	12.5	19	74
034481108191	HS21C7C	21X21X7 SCR CLR CVR ENCL	$209.53	$240.96	1 EA	1	12.4	19	74
034481108115	HS21C9	21X21X9 SCR CVR ENCL	$244.86	$281.59	1 EA	1	13.3	19	74
034481108245	HS21C9C	21X21X9 SCR CLR CVR ENCL	$244.86	$281.59	1 EA	1	13.9	19	74
034481108320	HS21CBP	19.7X19.7 BACK PANEL - HS	$31.89	$36.67	1 EA	1	10.4	19	89
034481108139	HS21D9	21X28X9 SCR CVR ENCL	$339.33	$390.23	1 EA	1	17.8	19	74
034481108269	HS21D9C	21X28X9 SCR CLR CVR ENCL	$339.33	$390.23	1 EA	1	17.3	19	74
034481108344	HS21DBP	19.7X 26.8 BACK PANEL - HS	$49.07	$56.43	1 EA	1	17.4	19	89
034481108009	HS7A7	7X11X7 SCR CVR ENCL	$52.00	$59.80	1 EA	4	10.8	19	74
034481108146	HS7A7C	7X11X7 SCR CLR CVR ENCL	$52.00	$59.80	1 EA	4	10.9	19	74
034481108276	HS7ABP	5.5X 9 BACK PANEL - HS	$6.56	$7.54	1 EA	1	1.2	19	89
034481108856	HSCH	CARRYING HANDLE	$18.67	$21.47	1 EA	1	0.2	19	89
034481108689	HSCL	CYLINDER KEYLOCK	$21.40	$24.61	1 EA	1	0.2	18	
034481108863	HSEH	EXTERNAL HINGES	$13.88	$15.96	1 EA	2	0.1	19	
034481108597	HSMFSS	ST STEEL MOUNTING FEET	$13.06	$15.02	1 EA	4	0.2	19	89
034481108580	HSMFZ	ZINC MOUNTING FEET	$5.09	$5.85	1 EA	4	0.2	19	89
034481108870	HSTS4	4 - THUMB SCREWS - HS	$3.29	$3.78	1 EA	1	0.1	19	89
034481108887	HSTS6	6 - THUMB SCREWS - HS	$5.19	$5.97	1 EA	1	0.1	19	89
034481108894	HSTS8	8 - THUMB SCREWS - HS	$6.62	$7.61	1 EA	1	0.2	19	89
034481108849	HVM27	VENTILATOR	$4.43	$5.09	1 EA	1	0.0	19	84
034481051916	HW2110	WIRELESS SWITCH/RECEPT. A	$16.89	$19.42	1 EA	6	4.1	Q	
034481111856	J1085P	10X8X5 JIC PB ENCL 9 HOLE	$105.49	$121.31	1 EA	1	5.0	18	82
034481109600	J1085W	10X8X5 N12/4X JIC ENCL W/WINDOW	$147.03	$169.08	1 EA	1	5.6	18	70
034481111900	J12106P	12X10X6 JIC PB ENCL 12 HOLE	$144.53	$166.21	1 EA	1	4.3	18	82
034481109655	J12106W	12X10X6 N12/4X JIC ENCL W/WINDOW	$180.24	$207.28	1 EA	1	7.4	18	70
034481111955	J14126P	14X12X6 JIC PB ENCL 20 HOLE	$191.28	$219.97	1 EA	1	7.2	18	82
034481109709	J14126W	14X12X6 N12/4X JIC ENCL W/WINDOW	$204.11	$234.73	1 EA	1	9.0	18	70
034481112006	J16147P	16X14X7 JIC PB ENCL 25 HOLE	$225.07	$258.83	1 EA	1	11.2	18	82

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034481109754	J16147W	16X14X7 N12/4X JIC ENCL W/WINDOW	$232.10	$266.92	1 EA	1	9.3	18	70
034481111757	J665P	6X6X5 JIC PB ENCL 4 HOLE	$76.80	$88.32	1 EA	1	2.4	18	82
034481109501	J665W	6X6X5 N12/4X JIC ENCL W/WINDOW	$113.47	$130.49	1 EA	1	3.1	18	70
034481111801	J863P	8X6X3 JIC PB ENCL 6 HOLE	$81.63	$93.87	1 EA	1	1.7	18	82
034481109556	J863W	8X6X3 N12/4X JIC ENCL W/WINDOW	$115.75	$133.11	1 EA	1	3.2	18	70
034481007500	JP1010	8.75 X 8.87 BACK PANEL 14 GA. WHITE	$643.80	$740.37	100 EA	1	2.3	18	85
034481154129	JP1010P	8.75 X 8.88 PVC BACK PANEL	$2,499.48	$2,874.40	100 EA	1	0.9	18	
034481104100	JP108	8.75 X 6.87 BACK PANEL 14 GA. WHITE	$534.66	$614.86	100 EA	1	1.5	18	85
034481105824	JP108P	8.75 X 6.87 PVC BACK PANEL	$2,089.61	$2,403.05	100 EA	1	0.7	18	85
034481104155	JP1210	10.75 X 8.87 BACK PANEL 14 GA. WHITE	$783.61	$901.15	100 EA	1	2.0	18	85
034481105831	JP1210P	10.75 X 8.87 PVC BACK PANEL	$2,868.31	$3,298.56	100 EA	1	1.2	18	85
034481007517	JP1212	10.75 X 10.87 BACK PANEL 14 GA. WHITE	$868.21	$998.44	100 EA	1	3.5	18	85
034481154105	JP1212P	10.75 X 10.88 PVC Back Panel	$3,683.88	$4,236.46	100 EA	1	1.5	18	85
034481104209	JP1412	12.75 X 10.87 BACK PANEL 14 GA. WHITE	$1,103.67	$1,269.22	100 EA	1	3.2	18	85
034481105848	JP1412P	12.75 X 10.87 PVC BACK PANEL	$4,213.55	$4,845.58	100 EA	1	1.7	18	85
034481104254	JP1614	14.75 X 12.87 BACK PANEL 14 GA. WHITE	$1,318.27	$1,516.01	100 EA	1	4.7	18	85
034481105855	JP1614P	14.75 X 12.87 PVC BACK PANEL	$4,708.98	$5,415.33	100 EA	1	2.3	18	85
034481007487	JP64	4.87 X 2.87 BACK PANEL 14 GA. WHITE	$304.12	$349.74	100 EA	1	0.6	18	85
034481154136	JP64P	4.88 X 2.88 PVC BACK PANEL	$13.35	$15.35	1 EA	1	0.3	18	
034481104001	JP66	4.87 X 4.87 BACK PANEL 14 GA. WHITE	$320.07	$368.08	100 EA	1	1.0	18	85
034481105800	JP66P	4.87 X 4.87 PVC BACK PANEL	$1,275.35	$1,466.65	100 EA	1	0.3	18	85
034481104056	JP86	6.75 X 4.87 BACK PANEL 14 GA. WHITE	$356.85	$410.38	100 EA	1	1.0	18	85
034481105817	JP86P	6.75 X 4.87 PVC BACK PANEL	$1,451.94	$1,669.73	100 EA	1	0.8	18	85
034481007494	JP88	6.75 X 6.87 BACK PANEL 14 GA. WHITE	$446.38	$513.34	100 EA	1	1.2	18	85
034481154150	JP88P	6.75 X 6.88 PVC BACK PANEL	$1,769.35	$2,034.75	100 EA	1	0.5	18	85
034481137702	KE1W	OPEN/STOP/CLOSE ENGRAVED CAP	$310.33	$356.88	1 EA	1	1.0	18	100
034481137702	KE1W	OPEN/STOP/CLOSE ENGRAVED CAP	$310.33	$356.88	1 EA	1	1	18	100
034481137658	KF1W	KE1W WITH NAME PLATE	$322.04	$370.35	1 EA	1	1.5	18	
034481212805	L2020BP	20 X 20 MOUNTING PANEL - HL	$26.26	$30.20	1 EA	1	8.8	19	94
034481212812	L2030BP	20 X 30 MOUNTING PANEL - HL	$40.73	$46.84	1 EA	1	14.9	19	94
034481212829	L3030BP	30 X 30 MOUNTING PANEL - HL	$67.61	$77.75	1 EA	1	21.9	19	94
034481212836	L3040BP	30 X 40 MOUNTING PANEL - HL	$78.84	$90.67	1 EA	1	29.5	19	94
034481212843	L4020BP	40 X 20 MOUNTING PANEL - HL	$51.07	$58.73	1 EA	1	17.1	19	94
034481212850	L4040BP	40 X 40 MOUNTING PANEL - HL	$108.85	$125.18	1 EA	1	43.3	19	94
034481212867	L5020BP	50 X 20 MOUNTING PANEL - HL	$69.96	$80.45	1 EA	1	25.5	19	94
034481212874	L5030BP	50 X 30 MOUNTING PANEL - HL	$110.29	$126.83	1 EA	1	35.8	19	94
034481212881	L5040BP	50 X 40 MOUNTING PANEL - HL	$142.52	$163.90	1 EA	1	50.4	19	94
034481152781	LH07	PG 7 BLACK CORD GRIP	$135.54	$155.87	100 EA	100	1.3	14	10
034481152798	LH09	PG 9 BLACK CORD GRIP	$138.18	$158.91	100 EA	100	2.0	14	10
034481152903	LH100	1" BLACK CORD GRIP	$524.34	$602.99	100 EA	25	2.6	14	11
034481152910	LH100G	1" NPT GRAY CORD GRIP	$524.34	$602.99	100 EA	25	2.6	14	11
034481152804	LH11	PG 11 BLACK CORD GRIP	$165.61	$190.45	100 EA	100	2.6	14	10
034481152811	LH13	PG 13 BLACK CORD GRIP	$181.81	$209.08	100 EA	100	3.1	14	10
034481152828	LH16	PG 16 BLACK CORD GRIP	$205.98	$236.88	100 EA	50	2.2	14	10
034481152835	LH21	PG 21 BLACK CORD GRIP	$287.78	$330.95	100 EA	50	3.2	14	10
034481152842	LH38	3/8" NPT BLACK CORD GRIP	$152.82	$175.74	100 EA	100	1.9	14	11
034481152859	LH38G	3/8" NPT GRAY CORD GRIP	$152.82	$175.74	100 EA	100	1.9	14	11
034481152866	LH50	1/2" NPT BLACK CORD GRIP	$169.93	$195.42	100 EA	100	2.9	14	11
034481152873	LH50G	1/2" NPT GRAY CORD GRIP	$169.93	$195.42	100 EA	100	2.9	14	11

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034481152880	LH75	3/4" BLACK CORD GRIP	$308.45	$354.72	100 EA	50	2.7	14	11
034481152897	LH75G	3/4" NPT GRAY CORD STRIP	$308.45	$354.72	100 EA	50	2.7	14	11
034481043959	LN20DA	1/2" 90° LT FTG - 1 PC ASSEMBLED	$239.38	$275.29	100 EA	100	5.8	14	6
034481043966	LN20EA	3/4" 90° LT FTG - 1 PC ASSEMBLED	$369.48	$424.90	100 EA	50	4.7	14	6
034481132066	LN20FA-CAR	1 90 CARFLEX SPRL FT AS	$680.48	$782.55	100 EA	10	1.3	14	6
034481043928	LN43DA	1/2" STR LIQUIDTIGHT FTG - 1 PC ASSEMBLE	$139.02	$159.87	100 EA	100	2.9	14	6
034481043935	LN43EA	3/4" STR LT FTG 1 PC ASSEMBLED	$209.18	$240.56	100 EA	50	2.5	14	6
034481132097	LN43FA-CAR	1 STR LIQTIGHT FTG-ASSM	$290.50	$334.08	100 EA	15	1.5	14	6
034481152088	LT100	BLACK STRAIGHT LIQUIDTIGHT FITTING	$395.62	$454.96	100 EA	20	2.4	14	6
034481152064	LT100G	GRAY STRAIGHT LIQUIDTIGHT FITTING	$395.62	$454.96	100 EA	20	2.4	14	6
034481131885	LT20C-CAR	3/8 90 DEG L/T FTNG	$463.54	$533.07	100 EA	15	1.6	14	5
034481087892	LT20D-NEW	1/2" 90° LIQUIDTIGHT FTG	$321.22	$369.40	100 EA	50	4.9	14	5
034481087861	LT20E-NEW	3/4 90D LIQUIDTIGHT FTG	$411.89	$473.67	100 EA	50	8.3	14	5
034481085102	LT20F	1" 90° LIQUIDTIGHT FTG	$990.55	$1,139.13	100 EA	25	6.0	14	5
034481085157	LT20G	1-1/4" 90° LIQUIDTIGHT FTG	$1,755.53	$2,018.86	100 EA	5	1.9	14	5
034481085201	LT20H	1-1/2" 90° LIQUIDTIGHT FTG	$2,074.29	$2,385.43	100 EA	5	2.2	14	5
034481085256	LT20J	2" 90° LIQUIDTIGHT FTG	$3,	034.15 $3,489.27	100 EA	5	3.0	14	5
034481152040	LT38	BLACK STRAIGHT LIQUIDTIGHT FITTING	$155.48	$178.80	100 EA	50	3.8	14	6
034481152057	LT38G	GRAYSTRAIGHT LIQUIDTIGHT FITTING	$155.48	$178.80	100 EA	50	3.8	14	6
034481131939	LT43C-CAR	3/8 STRT LIQUIDTITE FTNG	$296.17	$340.60	100 EA	15	1.2	14	5
034481087878	LT43D-NEW	1/2" STRAIGHT LIQUIDTIGHT FTG	$196.94	$226.48	100 EA	50	4.1	14	5
034481087885	LT43E-NEW	3/4" STRAIGHT LIQUIDTIGHT FTG	$292.96	$336.90	100 EA	50	6.6	14	5
034481085607	LT43F	1" STRAIGHT LIQUIDTIGHT FTG	$478.34	$550.09	100 EA	25	3.8	14	5
034481085652	LT43G	1-1/4" STRAIGHT LIQUIDTIGHT FTG	$859.14	$988.01	100 EA	5	1.4	14	5
034481085706	LT43H	1-1/2" STRAIGHT LIQUIDTIGHT FTG	$1,195.98	$1,375.38	100 EA	5	1.8	14	5
034481085751	LT43J	2" STRAIGHT LIQUIDTIGHT FTG	$2,235.72	$2,571.08	100 EA	5	2.5	14	5
034481152019	LT50	BLACK STRAIGHT LIQUIDTIGHT FITTING	$152.22	$175.05	100 EA	50	3.4	14	6
034481152033	LT50G	GRAY STRAIGHT LIQUIDTIGHT FITTING	$146.47	$168.44	100 EA	50	3.4	14	6
034481152026	LT75	BLACK STRIAGHT LIQUIDTIGHT FITTING	$240.22	$276.25	100 EA	25	2.5	14	6
034481151982	LT75G	GRAY STRAIGHT LIQUIDTIGHT FITTING	$240.22	$276.25	100 EA	25	2.5	14	6
034481152972	LT9100	BLACK 90 DEGREE LIQUIDTIGHT FITTING	$650.42	$747.98	100 EA	10	1.6	14	6
034481152989	LT9100G	GRAY 90 DEGREE LIQUIDTIGHT FITTING	$650.42	$747.98	100 EA	10	1.8	14	6
034481152071	LT938	BLACK 90 DEGREE LIQUIDTIGHT FITTING	$259.48	$298.40	100 EA	25	1.9	14	6
034481152927	LT938G	GRAY 90 DEGREE LIQUIDTIGHT FITTING	$259.48	$298.40	100 EA	25	2.1	14	6
034481152934	LT950	BLACK 90 DEGREE LIQUIDTIGHT FITTING	$241.33	$277.53	100 EA	25	1.9	14	6
034481152941	LT950G	GRAY 90 DEGREE LIQUIDTIGHT FITTING	$241.33	$277.53	100 EA	25	2.1	14	6
034481152958	LT975	BLACK 90 DEGREE LIQUIDTIGHT FITTING	$355.47	$408.79	100 EA	20	2.0	14	6
034481152965	LT975G	GRAY 90 DEGREE LIQUIDTIGHT FITTING	$355.47	$408.79	100 EA	20	2.3	14	6
034481212638	LT9LD	1/2 PVC LOCK NUT	$14.71	$16.92	100 EA	1,200	4.3	7	156
034481212645	LT9LE	3/4 PVC LOCK NUT	$18.39	$21.15	100 EA	700	4.0	7	156
034481212652	LT9LF	1 PVC LOCK NUT	$26.47	$30.44	100 EA	600	4.1	7	156
034481051091	NAR4K	4" N12/4X ADD-ON RAIL KIT	$7.60	$8.74	1 EA	25	5.0	18	86
034481051237	NAR6K	6" N12/4X ADD-ON RAIL KIT	$10.18	$11.71	1 EA	25	6.5	18	86
034481036715	NBPADJ2	ADJUSTABLE PANEL SUPPORT KIT	$15.12	$17.39	1 EA	10	2.1	18	86
034481022008	NBPSWG	SWINGOUT PANEL ADJUSTER KIT	$24.83	$28.55	1 EA	10	2.7	18	86
034481036739	NBPSWG2	SWIVEL PANEL SUPPORT KIT	$24.83	$28.55	1 EA	10	1.8	18	86
034481036869	NBPTSK	PANEL THUMB SCREW KIT	$3.38	$3.89	1 EA	10	0.7	18	86
034481008132	NC10106	10X10X6 N12 HNG CLR ENCL	$93.79	$107.86	1 EA	1	5.3	18	64
034481086727	NC1010L	10X10 N12 X-HNG LID-CLEAR	$31.88	$36.66	1 EA	11	12.7	18	65

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034481008118	NC1084	10X8X4 N12 HNG CLR ENCL	$75.86	$87.24	1 EA	1	4.0	18	64
034481008125	NC1086	10X8X6 N12 HNG CLR ENCL	$84.76	$97.47	1 EA	1	4.7	18	64
034481086710	NC108L	10X8 N12 X-HNG LID-CLEAR	$28.23	$32.46	1 EA	12	11.7	18	65
034481008149	NC12106	12X10X6 N12 HNG CLR ENCL	$100.25	$115.29	1 EA	1	5.8	18	64
034481086734	NC1210L	12X10 N12 X-HNG LID-CLEAR	$34.33	$39.48	1 EA	12	14.8	18	65
034481008156	NC12126	12X12X6 N12 HNG CLR ENCL	$114.32	$131.47	1 EA	1	6.6	18	64
034481111221	NC1212L	12X12 N12 X-HNG LID - CLEAR	$38.01	$43.71	1 EA	10	14.3	18	65
034481008163	NC14126	14X12X6 N12 HNG CLR ENCL	$124.56	$143.24	1 EA	1	7.2	18	64
034481098713	NC1412L	14X12 N12 X-HNG LID-CLEAR	$42.92	$49.36	1 EA	5	9.0	18	65
034481008170	NC16146	16X14X6 N12 HNG CLR ENCL	$145.17	$166.95	1 EA	1	8.1	18	64
034481090762	NC1614L	16X14 N12 X-HNG LID-CLEAR	$53.95	$62.04	1 EA	5	11.6	18	65
034481008071	NC644	6X4X4 N12 HNG CLR ENCL	$48.80	$56.12	1 EA	1	2.0	18	64
034481086673	NC64L	6X4 N12 X-HNG LID-CLEAR	$18.39	$21.15	1 EA	16	6.2	18	65
034481008088	NC664	6X6X4 N12 HNG CLR ENCL	$53.93	$62.02	1 EA	1	2.4	18	64
034481086680	NC66L	6X6 N12 X-HNG LID-CLEAR	$19.62	$22.56	1 EA	12	5.9	18	65
034481008095	NC864	8X6X4 N12 HNG CLR ENCL	$61.64	$70.89	1 EA	1	2.9	18	64
034481086697	NC86L	8X6 N12 X-HNG LID-CLEAR	$23.30	$26.80	1 EA	9	5.3	18	65
034481008101	NC884	8X8X4 N12 HNG CLR ENCL	$68.06	$78.27	1 EA	1	3.3	18	64
034481086703	NC88L	8X8 N12 X-HNG LID-CLEAR	$24.53	$28.21	1 EA	18	13.5	18	65
034481137757	NCCW	NORMALLY CLOSED CONTACTS FOR PUSHBUTTONS	$25.59	$29.43	1 EA	1	1.75	18	100
034481118459	NF100A	OT100E3 SW 250/600 VAC 3 POLE	$171.77	$197.54	1 EA	1	0.99	18	98
034481118466	NF200A	NF200A SW 250/600 VAC 3 POLE	$665.63	$765.47	1 EA	1	6.17	18	98
034481118473	NF400A	NF400A SW 250/600 VAC 3 POLE	$1,524.49	$1,753.16	1 EA	1	13.66	18	98
034481116073	NF40A	ABB-NF30A 250/600 VAC 3 POLE	$85.89	$98.77	1 EA	1	0.44	18	98
034481118442	NF80A	NF80A SW 250/600 VAC 3 POLE	$128.83	$148.15	1 EA	1	0.44	18	98
034481007692	NH10106	10X10X6 N12 HDN HNG ENCL	$89.89	$103.37	1 EA	1	5.7	18	66
034481015550	NH1010C	10X10 N12 COLLAR	$11.65	$13.40	1 EA	11	7.6	18	67
034481086963	NH1010L	10X10 N12 HDN HNG LID-OPAQUE	$22.07	$25.38	1 EA	11	14.1	18	67
034481007678	NH1084	10X8X4 N12 HDN HNG ENCL	$74.48	$85.65	1 EA	1	4.0	18	66
034481007685	NH1086	10X8X6 N12 HDN HNG ENCL	$80.90	$93.04	1 EA	1	5.2	18	66
034481088707	NH108C	10X8 N12 COLLAR	$11.03	$12.68	1 EA	12	7.8	18	67
034481086956	NH108L	10X8 N12 HDN HNG LID-OPAQUE	$18.39	$21.15	1 EA	12	12.7	18	67
034481007708	NH12106	12X10X6 N12 HDN HNG ENCL	$95.03	$109.28	1 EA	1	6.9	18	66
034481015567	NH1210C	12X10 N12 COLLAR	$12.26	$14.10	1 EA	12	8.2	18	67
034481086970	NH1210L	12X10 N12 HDN HNG LID-OPAQUE	$23.30	$26.80	1 EA	12	17.1	18	67
034481007715	NH12126	12X12X6 N12 HDN HNG ENCL	$109.15	$125.52	1 EA	1	7.8	18	66
034481016458	NH1212C	12X12 N12 COLLAR	$12.88	$14.81	1 EA	10	7.7	18	67
034481111238	NH1212L	12X12 N12 HDN HNG LID - OPAQUE	$26.98	$31.03	1 EA	10	16.6	18	67
034481007722	NH14126	14X12X6 N12 HDN HNG ENCL	$116.85	$134.38	1 EA	1	8.3	18	66
034481016908	NH1412C	14X12 N12 COLLAR	$13.49	$15.51	1 EA	5	4.9	18	67
034481090854	NH1412L	14X12 N12 HDN HNG LID-OPAQUE	$31.88	$36.66	1 EA	5	10.1	18	67
034481007739	NH16146	16X14X6 N12 HDN HNG ENCL	$136.11	$156.53	1 EA	1	10.1	18	66
034481016915	NH1614C	16X14 N12 COLLAR	$14.10	$16.22	1 EA	5	5.6	18	67
034481090724	NH1614L	16X14 N12 HDN HNG LID-OPAQUE	$39.24	$45.13	1 EA	5	13.4	18	67
034481007630	NH644	6X4X4 N12 HDN HNG ENCL	$51.37	$59.08	1 EA	1	2.2	18	66
034481088660	NH64C	6X4 N12 COLLAR	$8.59	$9.88	1 EA	16	6.0	18	67
034481086918	NH64L	6X4 N12 HDN HNG LID-OPAQUE	$11.03	$12.68	1 EA	16	6.8	18	67
034481007647	NH664	6X6X4 N12 HDN HNG ENCL	$56.50	$64.98	1 EA	1	2.7	18	66
034481088677	NH66C	6X6 N12 COLLAR	$9.20	$10.58	1 EA	12	5.0	18	67

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034481086925	NH66L	6X6 N12 HDN HNG LID-OPAQUE	$12.26	$14.10	1 EA	12	6.9	18	67
034481007654	NH864	8X6X4 N12 HDN HNG ENCL	$60.36	$69.41	1 EA	1	3.3	18	66
034481088684	NH86C	8X6 N12 COLLAR	$9.82	$11.29	1 EA	9	4.4	18	67
034481086932	NH86L	8X6 N12 HDN HNG LID-OPAQUE	$13.49	$15.51	1 EA	9	6.3	18	67
034481007661	NH884	8X8X4 N12 HDN HNG ENCL	$68.06	$78.27	1 EA	1	3.8	18	66
034481088691	NH88C	8X8 N12 COLLAR	$10.42	$11.98	1 EA	9	3.6	18	67
034481086949	NH88L	8X8 N12 HDN HNG LID-OPAQUE	$15.94	$18.33	1 EA	18	16.0	18	67
034481008248	NI10106	10X10X6 N12 CLR HDN HNG ENCL	$102.74	$118.15	1 EA	1	5.8	18	66
034481087045	NI1010L	10X10 N12 HDN HNG LID-CLEAR	$31.88	$36.66	1 EA	11	12.9	18	67
034481050483	NI1010W	10X10 HNG WINDOW KIT	$60.74	$69.85	1 EA	1	1.8	18	83
034481008224	NI1084	10X8X4 N12 CLR HDN HNG ENCL	$84.76	$97.47	1 EA	1	4.5	18	66
034481008231	NI1086	10X8X6 N12 CLR HDN HNG ENCL	$92.45	$106.32	1 EA	1	5.1	18	66
034481087038	NI108L	10X8 N12 HDN HNG LID-CLEAR	$28.21	$32.44	1 EA	12	11.5	18	67
034481045687	NI108W	10X8 HNG WINDOW KIT	$57.77	$66.44	1 EA	1	1.5	18	83
034481008255	NI12106	12X10X6 N12 CLR HDN HNG ENCL	$109.15	$125.52	1 EA	1	6.1	18	66
034481087052	NI1210L	12X10 N12 HDN HNG LID-CLEAR	$34.33	$39.48	1 EA	12	15.5	18	67
034481050490	NI1210W	12X10 HNG WINDOW KIT	$66.08	$75.99	1 EA	1	2.1	18	83
034481008262	NI12126	12X12X6 N12 CLR HDN HNG ENCL	$124.56	$143.24	1 EA	1	7.2	18	66
034481019114	NI1212C	12X12 N12 LEXAN COLLAR	$14.71	$16.92	1 EA	10	7.4	18	67
034481111245	NI1212L	12X12 N12 HDN HNG LID - CLEAR	$36.79	$42.31	1 EA	10	15.6	18	67
034481050636	NI1212W	12X12 HNG WINDOW KIT	$71.44	$82.16	1 EA	1	2.7	18	83
034481008279	NI14126	14X12X6 N12 CLR HDN HNG ENCL	$134.83	$155.05	1 EA	1	7.9	18	66
034481019107	NI1412C	14X12 N12 LEXAN COLLAR	$15.33	$17.63	1 EA	5	4.7	18	67
034481096726	NI1412L	14X12 N12 HDN HNG LID-CLEAR	$39.24	$45.13	1 EA	5	9.9	18	67
034481050667	NI1412W	14X12 HNG WINDOW KIT	$74.39	$85.55	1 EA	1	2.8	18	83
034481008286	NI16146	16X14X6 N12 CLR HDN HNG ENCL	$156.67	$180.17	1 EA	1	9.6	18	66
034481019091	NI1614C	16X14 N12 LEXAN COLLAR	$15.94	$18.33	1 EA	5	5.7	18	67
034481090779	NI1614L	16X14 N12 HDN HNG LID - CLEAR	$46.60	$53.59	1 EA	5	11.9	18	67
034481050674	NI1614W	16X14 HNG WINDOW KIT	$78.63	$90.42	1 EA	1	3.1	18	83
034481155317	NI644	6x4x4 N12 HDN HNG CLR CVR	$57.76	$66.42	1 EA	1	2.2	18	66
034481086994	NI64L	6X4 N12 HDN HNG LID - CLEAR	$15.94	$18.33	1 EA	16	6.4	18	67
034481045632	NI64W	6X4 HNG WINDOW KIT	$43.41	$49.92	1 EA	1	0.8	18	83
034481008194	NI664	6X6X4 N12 CLR HDN HNG ENCL	$66.78	$76.80	1 EA	1	2.8	18	66
034481087007	NI66L	6X6 N12 HDN HNG LID - CLEAR	$17.17	$19.75	1 EA	12	6.3	18	67
034481050469	NI66W	6X6 HNG WINDOW KIT	$45.16	$51.93	1 EA	1	1.0	18	83
034481008200	NI864	8X6X4 N12 CLR HDN HNG ENCL	$70.63	$81.22	1 EA	1	3.2	18	66
034481087014	NI86L	8X6 N12 HDN HNG LID - CLEAR	$20.85	$23.98	1 EA	9	5.8	18	67
034481045670	NI86W	8X6 HNG WINDOW KIT	$47.68	$54.83	1 EA	1	1.2	18	83
034481008217	NI884	8X8X4 N12 CLR HDN HNG ENCL	$77.05	$88.61	1 EA	1	3.8	18	66
034481087021	NI88L	8X8 N12 HDN HNG LID - CLEAR	$23.30	$26.80	1 EA	18	14.8	18	67
034481050476	NI88W	8X8 HNG WINDOW KIT	$52.24	$60.08	1 EA	1	1.4	18	83
034481007586	NJ10106	10X10X6 N12 HNG ENCL	$82.18	$94.51	1 EA	1	5.6	18	64
034481086642	NJ1010L	10X10 N12 EXTERNAL HNG LID-OPAQUE	$20.85	$23.98	1 EA	11	13.7	18	65
034481007562	NJ1084	10X8X4 N12 HNG ENCL	$65.49	$75.31	1 EA	1	4.1	18	64
034481011279	NJ1086	10X8X6 N12 HNG ENCL	$74.48	$85.65	1 EA	1	4.6	18	64
034481086635	NJ108L	10X8 N12 EXTERNAL HNG LID-OPAQUE	$18.39	$21.15	1 EA	12	12.6	18	65
034481007593	NJ12106	12X10X6 N12 HNG ENCL	$87.32	$100.42	1 EA	1	6.3	18	64
034481086659	NJ1210L	12X10 N12 EXTERNAL HNG LID - OPAQUE	$22.07	$25.38	1 EA	12	14.2	18	65
034481007609	NJ12126	12X12X6 N12 HNG ENCL	$98.88	$113.71	1 EA	1	6.9	18	64

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034481111214	NJ1212L	12X12 N12 EXTERNAL HNG LID - OPAQUE	$28.21	$32.44	1 EA	10	16.1	18	65
034481007616	NJ14126	14X12X6 N12 HNG ENCL	$109.15	$125.52	1 EA	1	7.7	18	64
034481090847	NJ1412L	14X12 N12 EXTERNAL HNG LID - OPAQUE	$30.66	$35.26	1 EA	5	10.0	18	65
034481007623	NJ16146	16X14X6 N12 HNG ENCL	$127.13	$146.20	1 EA	1	8.2	18	64
034481090717	NJ1614L	16X14 N12 EXTERNAL HNG LID - OPAQUE	$40.47	$46.54	1 EA	5	13.5	18	65
034481007524	NJ644	6X4X4 N12 HNG ENCL	$42.38	$48.74	1 EA	1	1.9	18	64
034481086598	NJ64L	6X4 N12 EXTERNAL HNG LID - OPAQUE	$13.49	$15.51	1 EA	16	6.5	18	65
034481007531	NJ664	6X6X4 N12 HNG ENCL	$47.51	$54.64	1 EA	1	2.4	18	64
034481086604	NJ66L	6X6 N12 EXTERNAL HNG LID - OPAQUE	$14.71	$16.92	1 EA	12	5.1	18	65
034481007548	NJ864	8X6X4 N12 HNG ENCL	$52.65	$60.55	1 EA	1	2.9	18	64
034481086611	NJ86L	8X6 N12 EXTERNAL HNG LID - OPAQUE	$15.94	$18.33	1 EA	9	6.0	18	65
034481007555	NJ884	8X8X4 N12 HNG ENCL	$59.07	$67.93	1 EA	1	3.3	18	64
034481086628	NJ88L	8X8 N12 EXTERNAL HNG LID - OPAQUE	$17.17	$19.75	1 EA	18	14.8	18	65
034481088523	NL1010B	10X10 N12 EXT HNG BODY	$39.24	$45.13	1 EA	6	20.4	18	65
034481088509	NL1084B	10X8X4 N12 EXT HNG BODY	$29.44	$33.86	1 EA	12	32.0	18	65
034481088516	NL1086B	10X8X6 N12 EXT HNG BODY	$35.56	$40.89	1 EA	8	15.2	18	65
034481088530	NL1210B	12X10 N12 EXT HNG BODY	$42.92	$49.36	1 EA	6	24.3	18	65
034481111320	NL1212B	12X12 N12 EXT HNG BODY	$48.80	$56.12	1 EA	5	21.8	18	65
034481035374	NL1412B	14X12 N12 EXT HNG BODY	$53.93	$62.02	1 EA	4	19.0	18	65
034481091035	NL1614B	16X14 N12 EXT HNG BODY	$57.79	$66.46	1 EA	4	30.9	18	65
034481088462	NL644B	6X4X4 N12 EXTERNAL HNG BODY	$18.39	$21.15	1 EA	18	29.3	18	65
034481088479	NL664B	6X6X4 N12 EXT HNG BODY	$19.62	$22.56	1 EA	12	17.7	18	65
034481088486	NL864B	8X6X4 N12 EXT HNG BODY	$22.07	$25.38	1 EA	8	14.2	18	65
034481088493	NL884B	8X8X4 N12 EXT HNG BODY	$25.75	$29.61	1 EA	14	28.1	18	65
034481111337	NM1212B	12X12 N12 LEXAN EXTERNAL HNG BODY	$50.09	$57.60	1 EA	5	21.1	18	65
034481090687	NM1412B	14X12 N12 LEXAN EXTERNAL HNG BODY	$55.22	$63.50	1 EA	4	17.8	18	65
034481091042	NM1614B	16X14 N12 LEXAN EXTERNAL HNG BODY	$64.24	$73.88	1 EA	4	22.4	18	65
034481008316	NM864	8X6X4 N12 HNG CLR ENCL W/LT	$69.90	$80.39	1 EA	1	2.9	18	
034481030423	NMK10V	10" NEMA MOUNTING RAIL KIT	$9.95	$11.44	1 EA	20	13.3	18	86
034481030034	NMK12L	12" NEMA LEXAN MOUNTING RAIL KIT	$11.67	$13.42	1 EA	20	11.4	18	86
034481030416	NMK12V	12" NEMA MOUNTING RAIL KIT	$11.67	$13.42	1 EA	20	11.4	18	86
034481030041	NMK14L	14" NEMA LEXAN MOUNTING RAIL KIT	$13.62	$15.66	1 EA	25	17.8	18	86
034481030409	NMK14V	14" NEMA MOUNTING RAIL KIT	$13.62	$15.66	1 EA	25	17.8	18	86
034481030386	NMK4V	4" NEMA MOUNTING RAIL KIT	$5.29	$6.08	1 EA	25	5.0	18	86
034481030379	NMK6V	6" NEMA MOUNTING RAIL KIT	$7.27	$8.36	1 EA	24	7.7	18	86
034481030362	NMK8V	8" NEMA MOUNTING RAIL KIT	$8.86	$10.19	1 EA	24	10.3	18	86
034481137764	NOCW	NORMALLY OPEN CONTACT FOR PUSHBUTTONS	$25.59	$29.43	1 EA	1	1.75	18	100
034481088622	NP1010B	10X10 N12 SCR HDN HNG BODY	$34.33	$39.48	1 EA	6	19.6	18	63
034481088608	NP1084B	10X8X4 N12 SCR - HDN HNG BODY	$25.75	$29.61	1 EA	12	26.1	18	63
034481088615	NP1086B	10X8X6 N12 SCR HDN HNG BODY	$31.88	$36.66	1 EA	8	23.2	18	63
034481088639	NP1210B	12X10 N12 SCREW HDN HNG BODY	$38.01	$43.71	1 EA	6	22.7	18	63
034481111313	NP1212B	12X12 N12 SCREW HDN HNG BODY	$44.94	$51.68	1 EA	5	21.6	18	63
034481090663	NP1412B	14X12 N12 SCREW HDN HNG BODY	$47.51	$54.64	1 EA	5	24.3	18	63
034481091066	NP1614B	16X14 N12 SCREW HDN HNG BODY	$53.93	$62.02	1 EA	4	30.9	18	63
034481105503	NP2016	17 X 13 NEMA PANEL	$20.54	$23.62	1 EA	1	7.0	18	85
034481105909	NP2016P	17 X 13 PVC NEMA PANEL	$72.92	$83.86	1 EA	1	6.1	18	85
034481105558	NP2420	21 X 17 NEMA PANEL	$29.73	$34.19	1 EA	1	10.4	18	85
034481105916	NP2420P	21 X 17 PVC NEMA PANEL	$115.38	$132.69	1 EA	1	4.7	18	85
034481105602	NP3024	27 X 21 NEMA PANEL	$45.30	$52.10	1 EA	1	18.0	18	85

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034481105923	NP3024P	27 X 21 PVC NEMA PANEL	$178.39	$205.15	1 EA	1	9.8	18	85
034481088561	NP644B	6X4X4 N12 SCR HDN HNG BODY	$18.39	$21.15	1 EA	18	21.0	18	63
034481088578	NP664B	6X6X4 N12 SCR HDN HNG BODY	$19.62	$22.56	1 EA	12	17.3	18	63
034481088585	NP864B	8 X 6" X 4 N12 SCR HDN HNG BODY	$22.07	$25.38	1 EA	12	18.0	18	63
034481088592	NP884B	8X8X4 N12 SCR HDN HNG BODY	$23.30	$26.80	1 EA	14	27.6	18	63
034481120551	NPL1L	QK RELEASE LATCH KIT HDN HNG ENCL	$6.74	$7.75	1 EA	25	2.0	18	87
034481120568	NPL1S	QK RELEASE LATCH KIT X-HNG ENCL	$6.74	$7.75	1 EA	25	2.0	18	87
034481111344	NR1212B	12X12 N12 LEXAN SCR HDN HNG BODY	$47.51	$54.64	1 EA	5	20.8	18	67
034481090670	NR1412B	14X12 N12 LEXAN SCREW HDN HNG BODY	$53.93	$62.02	1 EA	5	22.2	18	67
034481091073	NR1614B	16X14 N12 LEXAN SCREW HDN HNG BODY	$61.64	$70.89	1 EA	4	22.3	18	67
034481007432	NS10106	10X10X6 N12 SCR CVR ENCL	$78.33	$90.08	1 EA	1	5.3	18	62
034481086468	NS1010L	10X10 N12 SCREW LID - OPAQUE	$22.07	$25.38	1 EA	11	13.5	18	63
034481007418	NS1084	10X8X4 N12 SCR CVR ENCL	$62.92	$72.36	1 EA	1	4.0	18	62
034481007425	NS1086	10X8X6 N12 SCR CVR ENCL	$70.63	$81.22	1 EA	1	4.6	18	62
034481086451	NS108L	10X8 N12 SCREW LID - OPAQUE	$18.39	$21.15	1 EA	12	12.6	18	63
034481007449	NS12106	12X10X6 N12 SCR CVR ENCL	$83.46	$95.98	1 EA	1	6.1	18	62
034481086475	NS1210L	12X10 N12 SCREW LID - OPAQUE	$23.30	$26.80	1 EA	12	15.1	18	63
034481007456	NS12126	12X12X6 N12 SCR CVR ENCL	$96.31	$110.76	1 EA	1	6.8	18	62
034481111184	NS1212L	12X12 N12 SCREW LID - OPAQUE	$26.98	$31.03	1 EA	10	15.5	18	63
034481007463	NS14126	14X12X6 N12 SCR CVR ENCL	$104.02	$119.62	1 EA	1	7.4	18	62
034481090830	NS1412L	14X12 N12 SCREW LID - OPAQUE	$31.88	$36.66	1 EA	5	9.5	18	63
034481007470	NS16146	16X14X6 N12 SCR CVR ENCL	$122.00	$140.30	1 EA	1	9.2	18	62
034481090700	NS1614L	16X14 N12 SCREW LID - OPAQUE	$39.24	$45.13	1 EA	5	5.0	18	63
034481007371	NS644	6X4X4 N12 SCR CVR ENCL	$41.10	$47.27	1 EA	1	1.8	18	62
034481086413	NS64L	6X4 N12 SCREW LID - OPAQUE	$11.03	$12.68	1 EA	16	6.4	18	63
034481007388	NS664	6X6X4 N12 SCR CVR ENCL	$46.23	$53.16	1 EA	1	2.4	18	62
034481086420	NS66L	6X6 N12 SCREW LID - OPAQUE	$12.26	$14.10	1 EA	12	6.3	18	63
034481007395	NS864	8X6X4 N12 SCR CVR ENCL	$50.09	$57.60	1 EA	1	2.9	18	62
034481086437	NS86L	8X6 N12 SCREW LID - OPAQUE	$13.49	$15.51	1 EA	9	5.7	18	63
034481007401	NS884	8X8X4 N12 SCR CVR ENCL	$56.50	$64.98	1 EA	1	3.2	18	62
034481086444	NS88L	8X8 N12 SCREW LID - OPAQUE	$15.94	$18.33	1 EA	18	14.5	18	63
034481008026	NV10106	10X10X6 N12 SCR CLR CVR ENCL	$89.89	$103.37	1 EA	1	4.9	18	62
034481086567	NV1010L	10X10 N12 SCREW LID - CLEAR	$31.88	$36.66	1 EA	11	12.4	18	63
034481008002	NV1084	10X8X4 N12 SCR CLR CVR ENCL	$73.19	$84.17	1 EA	1	3.9	18	62
034481008019	NV1086	10X8X6 N12 SCR CLR CVR ENCL	$80.90	$93.04	1 EA	1	4.5	18	62
034481086550	NV108L	10X8 N12 SCREW LID - CLEAR	$28.21	$32.44	1 EA	12	11.1	18	63
034481008033	NV12106	12X10X6 N12 SCR CLR CVR ENCL	$96.31	$110.76	1 EA	1	5.2	18	62
034481086574	NV1210L	12X10 N12 SCREW LID - CLEAR	$34.33	$39.48	1 EA	12	14.6	18	63
034481008040	NV12126	12X12X6 N12 SCR CLR CVR ENCL	$110.44	$127.01	1 EA	1	6.1	18	62
034481111191	NV1212L	12X12 N12 SCREW LID - CLEAR	$36.79	$42.31	1 EA	10	13.9	18	63
034481008057	NV14126	14X12X6 N12 SCR CLR CVR ENCL	$120.71	$138.82	1 EA	1	7.0	18	62
034481096702	NV1412L	14X12 N12 SCREW LID - CLEAR	$39.24	$45.13	1 EA	5	9.3	18	63
034481008064	NV16146	16X14X6 N12 SCR CLR CVR ENCL	$141.26	$162.45	1 EA	1	8.1	18	62
034481090755	NV1614L	16X14 N12 SCREW LID - CLEAR	$46.60	$53.59	1 EA	5	11.4	18	63
034481007968	NV644	6X4X4 N12 SCR CLR CVR ENCL	$47.51	$54.64	1 EA	1	1.9	18	62
034481086499	NV64L	6X4 N12 SCREW LID - CLEAR	$15.94	$18.33	1 EA	16	5.8	18	63
034481007975	NV664	6X6X4 N12 SCR CLR CVR ENCL	$52.65	$60.55	1 EA	1	2.4	18	62
034481086505	NV66L	6X6 N12 SCREW LID - CLEAR	$17.17	$19.75	1 EA	12	5.7	18	63
034481007982	NV864	8X6X4 N12 SCR CLR CVR ENCL	$59.07	$67.93	1 EA	1	2.8	18	62

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034481086512	NV86L	8X6 N12 SCREW LID - CLEAR	$20.85	$23.98	1 EA	9	4.4	18	63
034481007999	NV884	8X8X4 N12 SCR CLR CVR ENCL	$65.49	$75.31	1 EA	1	3.3	18	62
034481086543	NV88L	8X8 N12 SCREW LID - CLEAR	$23.30	$26.80	1 EA	18	11.3	18	63
034481220787	P258H	1-1/2" POLYETHYLENE PLUG	$102.06	$117.37	100 EA	50	1.7	7	154
034481061861	P258JT	2" POLYETHYLENE PLUG W/TAB	$166.07	$190.98	100 EA	60	3.3	7	154
034481061878	P258K	2-1/2" POLYETHYLENE PLUG	$131.60	$151.34	100 EA	25	1.5	7	154
034481061885	P258LT	3" POLYETHYLENE PLUG W/TAB	$245.15	$281.92	100 EA	30	2.9	7	154
034481061908	P258NT	4" POLYETHYLENE PLUG W/TAB	$276.72	$318.23	100 EA	48	8.2	7	154
034481061922	P258PT	5" POLYETHYLENE PLUG W/TAB	$374.31	$430.46	100 EA	30	6.0	7	154
034481061946	P258RT	6" POLYETHYLENE PLUG W/TAB	$467.88	$538.06	100 EA	30	9.0	7	154
034481127536	P7701G-CAR	PLUGS, 3/BAG, GRAY	$75.84	$87.22	100 EA	30	0.7	5	42
034481132820	P7701W-CAR	CLOSURE PLUGES WHITE	$75.84	$87.22	100 EA	30	1.3	5	42
034481127543	P7801G-CAR	ROUND COVER AND PLUG BAG - GRAY	$228.78	$263.10	100 EA	16	2.2	5	42
034481132837	P7801W-CAR	ROUND LAMPHOLD CVR WHT	$228.78	$263.10	100 EA	16	1.6	5	42
034481127550	P7901G-CAR	RECT. COVER AND PLUG BAG, GRAY	$246.19	$283.12	100 EA	18	1.9	5	42
034481132844	P7901W-CAR	RECT LAMPHOLDER CVR WHT	$246.19	$283.12	100 EA	12	0.9	5	42
034481127567	P8001G-CAR	LAMPHOLDER ASSEMBLY, BAG, GRAY	$297.94	$342.63	100 EA	24	5.1	5	42
034481132851	P8001W-CAR	LAMPHOLDER W/GASKET WHT	$297.94	$342.63	100 EA	24	5.5	5	42
034481127574	P8005G-CAR	2 LAMPHOLDER RECT CVR AND PLUG, GRAY	$908.32	$1,044.57	100 EA	6	3.7	5	42
034481132868	P8005W-CAR	2 LAMPHOLDER RECT CVR WHT	$908.32	$1,044.57	100 EA	6	3.8	5	42
034481127581	P8010G-CAR	2 LAMPS,ROUND COVER AND PLUG, GRAY	$908.32	$1,044.57	100 EA	6	3.6	5	42
034481132875	P8010W-CAR	2 LAMPHOLD ROUND CVR WHT	$908.32	$1,044.57	100 EA	6	3.9	5	42
034481146377	P8055G-CAR	2 head rect grey No-Tool Adj Lampholder	$1,530.60	$1,760.19	100 EA	6	5.8	5	42
034481146360	P8055W-CAR	2 HEAD RECT WHT NO-TOOL ADJ LAMPHOLDER	$1,530.60	$1,760.19	100 EA	6	5.8	5	42
034481146391	P8060G-CAR	2 HEAD RND GREY NO-TOOL ADJ LAMPHOLDER	$1,530.60	$1,760.19	100 EA	6	5.8	5	42
034481146384	P8060W-CAR	2 HEAD RND WHT NO-TOOL ADJ LAMPHOLDER	$1,530.60	$1,760.19	100 EA	6	5.8	5	42
034481137726	PA1W	OPEN/STOP/CLOSE ENGRAVED CAP	$158.21	$181.94	1 EA	1	1	18	100
034481137689	PB1W	OPEN/STOP/CLOSE ENGRAVED CAP	$158.21	$181.94	1 EA	1	1	18	100
034481137733	PC1W	OPEN/STOP/CLOSE ENGRAVED CAP	$218.98	$251.83	1 EA	1	1.3	18	100
034481045403	PD1W	E-STOP-PUSH-PULL/RESET	$234.85	$270.08	1 EA	1	1.3	18	100
034481214106	PE3SNS	4" DB-100 11-1/4° X 150° SWEEP - SEGM	$14.14	$16.26	1 EA	1	4.2	17	172
034481078187	PE3SP	5" DB-100 11-1/4° X 150° SWEEP	$37.18	$42.76	1 EA	1	7.9	17	172
034481214113	PE3SPS	5" DB-100 11-1/4° X 150° SWEEP - SEGM	$23.61	$27.15	1 EA	1	6.6	17	172
034481214120	PE3SRS	6" DB-100 11-1/4° X 150° SWEEP - SEGM	$31.35	$36.05	1 EA	1	9.3	17	172
034481214632	PE7SP	5" DB-100 45° X 150° SWEEP	$58.80	$67.62	1 EA	1	25.8	17	172
034481214700	PE9HN	4" DB-100 90° X 48" SWEEP	$26.71	$30.72	1 EA	1	11.0	17	172
034481214724	PE9HP	5" DB-100 90° X 48" SWEEP	$42.67	$49.07	1 EA	1	17.0	17	172
034481071778	PF3CJ	2" DB-60 11-1/4° X 18" SWEEP	$7.54	$8.67	1 EA	1	0.3	17	174
034481071785	PF3CL	3" DB-60 11-1/4° X 18" SWEEP	$9.50	$10.93	1 EA	1	0.7	17	174
034481071921	PF3DF	1" DB-60 11-1/4° X 24" SWEEP	$5.94	$6.83	1 EA	1	0.1	17	174
034481071945	PF3DH	1-1/2" DB-60 11-1/4° X 24" SWEEP	$8.26	$9.50	1 EA	1	0.2	17	174
034481332480	PF3DP	5" DB-60 11-1/4° X 24" SWEEP	$19.71	$22.67	1 EA	1	2.4	17	174
034481332510	PF3FJ	2" DB-60 11-1/4° X 36" SWEEP	$8.79	$10.11	1 EA	1	0.4	17	174
034481080206	PF3FL	3" DB-60 11-1/4° X 36" SWEEP	$10.05	$11.56	1 EA	1	0.9	17	174
034481214977	PF3FN	4" DB-60 11-1/4° X 36" SWEEP	$22.11	$25.43	1 EA	1	1.7	17	174
034481214984	PF3FP	5" DB-60 11-1/4° X 36" SWEEP	$24.93	$28.67	1 EA	1	2.8	17	174
034481215004	PF3FR	6" DB-60 11-1/4° X 36" SWEEP	$58.08	$66.79	1 EA	1	4.7	17	174
034481072140	PF3HL	3" DB-60 11-1/4° X 48" SWEEP	$12.20	$14.03	1 EA	1	1.3	17	174
034481215028	PF3HN	4" DB-60 11-1/4° X 48" SWEEP	$14.26	$16.40	1 EA	1	1.7	17	174

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034481215035	PF3HP	5" DB-60 11-1/4° X 48" SWEEP	$21.38	$24.59	1 EA	1	3.1	17	174
034481215059	PF3HR	6" DB-60 11-1/4° X 48" SWEEP	$40.24	$46.28	1 EA	1	5.3	17	174
034481332527	PF3IJ	2" DB-60 11-1/4° X 60" SWEEP	$16.18	$18.61	1 EA	1	0.5	17	174
034481215080	PF3IR	6" DB-60 11-1/4° X 60" SWEEP	$42.08	$48.39	1 EA	1	1.9	17	174
034481049050	PF3SJ	2" DB-60 11-1/4° X 150" SWEEP	$25.73	$29.59	1 EA	1	1.1	17	174
034481049081	PF3SN	4" DB-60 11-1/4# X 150" SWEEP	$28.04	$32.25	1 EA	1	4.4	17	174
034481049104	PF3SP	5" DB-60 11-1/4° X 150" SWEEP	$33.80	$38.87	1 EA	1	6.9	17	174
034481049098	PF3SR	6" DB-60 11-1/4° X 150" SWEEP	$52.01	$59.81	1 EA	1	10.3	17	174
034481072508	PF3VJ	2 PC 111/4D X 300R SWP	$29.74	$34.20	1 EA	1	2.2	17	174
034481072546	PF3VL	3" DB-60 11-1/4° X 300" SWEEP	$30.46	$35.03	1 EA	1	4.4	17	174
034481215257	PF3VN	4" DB-60 11-1/4° X 300" SWEEP	$40.58	$46.67	1 EA	1	7.3	17	174
034481215264	PF3VP	5" DB-60 11-1/4° X 300" SWEEP	$55.86	$64.24	1 EA	1	11.3	17	174
034481052890	PF3VR	6 PC 111/4D X 300R SWP	$81.82	$94.09	1 EA	1	17	17	174
034481049128	PF5DN	4" DB-60 22-1/2° X 24" SWEEP	$16.59	$19.08	1 EA	1	2.1	17	174
034481215448	PF5DP	5" DB-60 22-1/2° X 24" SWEEP	$34.86	$40.09	1 EA	1	3.3	17	174
034481215479	PF5FF	1" DB-60 22-1/2° X 36" SWEEP	$6.78	$7.80	1 EA	1	0.3	17	174
034481215509	PF5FL	3" DB-60 22-1/2° X 36" SWEEP	$14.60	$16.79	1 EA	1	1.5	17	174
034481049142	PF5FN	4" DB-60 22-1/2° X 36" SWEEP	$16.39	$18.85	1 EA	1	2.6	17	174
034481049159	PF5FP	5" DB-60 22-1/2° X 36" SWEEP	$27.72	$31.88	1 EA	1	4.1	17	174
034481215523	PF5FR	6" DB-60 22-1/2° X 36" SWEEP	$52.48	$60.35	1 EA	1	6.0	17	174
034481215547	PF5HL	3" DB-60 22-1/2° X 48" SWEEP	$12.20	$14.03	1 EA	1	1.7	17	174
034481215554	PF5HN	4" DB-60 22-1/2° X 48" SWEEP	$22.41	$25.77	1 EA	1	3.0	17	174
034481215578	PF5HR	6" DB-60 22-1/2° X 48" SWEEP	$47.75	$54.91	1 EA	1	7.6	17	174
034481332725	PF5IJ	2" DB-60 22-1/2° X 60" SWEEP	$16.18	$18.61	1 EA	1	0.9	17	174
034481072225	PF5IL	3" DB-60 22-1/2° X 60" SWEEP	$18.24	$20.98	1 EA	1	2.1	17	174
034481215608	PF5IP	5" DB-60 22-1/2° X 60" SWEEP	$28.02	$32.22	1 EA	1	5.9	17	174
034481215615	PF5IR	6" DB-60 22-1/2° X 60" SWEEP	$42.08	$48.39	1 EA	1	8.4	17	174
034481072348	PF5SJ	2" DB-60 22-1/2° X 150" SWEEP	$25.73	$29.59	1 EA	1	2.1	17	174
034481215745	PF5SL	3" DB-60 22-1/2° X 150" SWEEP	$26.87	$30.90	1 EA	1	4.6	17	174
034481049173	PF5SN	4" DB-60 22-1/2° X 150" SWEEP	$28.04	$32.25	1 EA	1	7.6	17	174
034481049180	PF5SP	5" DB-60 22-1/2° X 150" SWEEP	$33.80	$38.87	1 EA	1	11.9	17	174
034481215752	PF5SR	6" DB-60 22-1/2° X 150" SWEEP	$96.35	$110.80	1 EA	1	17.3	17	174
034481215813	PF5VN	4" DB-60 22-1/2° X 300" SWEEP	$72.50	$83.38	1 EA	1	13.6	17	174
034481215820	PF5VP	5" DB-60 22-1/2° X 300" SWEEP	$106.63	$122.62	1 EA	1	20.9	17	174
034481215837	PF5VR	6" DB-60 22-1/2° X 300" SWEEP	$172.91	$198.85	1 EA	1	31.2	17	174
034481049197	PF6CJ	2" DB-60 30° X 18" SWEEP	$7.40	$8.51	1 EA	1	0.5	17	174
034481049203	PF6CL	3" DB-60 30° X 18" SWEEP	$19.99	$22.99	1 EA	1	1.2	17	174
034481080237	PF6DL	3" DB-60 30° X 24" SWEEP	$9.56	$10.99	1 EA	1	1.3	17	174
034481215899	PF6DN	4" DB-60 30° X 24" SWEEP	$12.30	$14.15	1 EA	1	2.5	17	174
034481071952	PF6DP	5" DB-60 30° X 24" SWEEP	$19.71	$22.67	1 EA	1	3.7	17	174
034481049210	PF6FJ	2" DB-60 30° X 36" SWEEP	$12.38	$14.24	1 EA	1	0.1	17	174
034481049227	PF6FL	3" DB-60 30° X 36" SWEEP	$16.46	$18.93	1 EA	1	1.9	17	174
034481049234	PF6FN	4" DB-60 30° X 36" SWEEP	$19.50	$22.43	1 EA	1	3.2	17	174
034481215967	PF6FR	6" DB-60 30° X 36" SWEEP	$57.40	$66.01	1 EA	1	7.2	17	174
034481332855	PF6HJ	2" DB-60 30° X 48" SWEEP	$9.26	$10.65	1 EA	1	0.9	17	174
034481215981	PF6HN	4" DB-60 30° X 48" SWEEP	$14.26	$16.40	1 EA	1	3.6	17	174
034481080268	PF6HP	5" DB-60 30° X 48" SWEEP	$21.38	$24.59	1 EA	1	6.4	17	174
034481216001	PF6HR	6" DB-60 30° X 48" SWEEP	$45.23	$52.01	1 EA	1	9.1	17	174
034481049258	PF6IN	4" DB-60 30° X 60" SWEEP	$25.34	$29.14	1 EA	1	4.6	17	174

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481049265	PF6IP	5" DB-60 30° X 60" SWEEP	$34.18	$39.31	1 EA	1	7.1	17	174
034481332886	PF6SJ	2" DB-60 30° X 150" SWEEP	$23.82	$27.39	1 EA	1	2.6	17	174
034481049289	PF6SN	4" DB-60 30° X 150" SWEEP	$45.98	$52.88	1 EA	1	9.9	17	174
034481049296	PF6SP	5" DB-60 30° X 150" SWEEP	$63.70	$73.26	1 EA	1	15.4	17	174
034481072485	PF6VJ	2" DB-60 30° X 300" SWEEP	$27.54	$31.67	1 EA	1	5.0	17	174
034481072577	PF6VN	4" DB-60 30° X 300" SWEEP	$37.57	$43.21	1 EA	1	17.7	17	174
034481080299	PF6VR	6" DB-60 30° X 300" SWEEP	$75.76	$87.12	1 EA	1	40.1	17	174
034481216094	PF7CF	1" DB-60 45° X 18" SWEEP	$16.95	$19.49	1 EA	1	0.3	17	173
034481049302	PF7CH	1-1/2" DB-60 45° X 18" SWEEP	$12.97	$14.92	1 EA	1	0.6	17	173
034481049319	PF7CJ	2" DB-60 45° X 18" SWEEP	$7.09	$8.15	1 EA	1	0.6	17	173
034481049326	PF7CL	3" DB-60 45° X 18" SWEEP	$9.62	$11.06	1 EA	1	1.5	17	173
034481216124	PF7DF	1" DB-60 45° X 24" SWEEP	$9.47	$10.89	1 EA	1	0.4	17	173
034481216148	PF7DH	1-1/2" DB-60 45° X 24" SWEEP	$19.84	$22.82	1 EA	1	0.7	17	173
034481049784	PF7DJ	2" DB-60 45° X 24" SWEEP	$7.81	$8.98	1 EA	1	0.8	17	173
034481049340	PF7DL	3" DB-60 45° X 24" SWEEP	$11.63	$13.37	1 EA	1	1.9	17	173
034481049401	PF7DN	4" DB-60 45° X 24" SWEEP	$15.20	$17.48	1 EA	1	3.2	17	173
034481216247	PF7FF	1" DB-60 45° X 36" SWEEP	$6.96	$8.00	1 EA	1	0.5	17	173
034481049364	PF7FH	1-1/2" DB-60 45° X 36" SWEEP	$11.37	$13.08	1 EA	1	1.0	17	173
034481049781	PF7FJ	2" DB-60 45° X 36" SWEEP	$8.24	$9.48	1 EA	1	1.0	17	173
034481049821	PF7FL	3" DB-60 45° X 36" SWEEP	$11.50	$13.23	1 EA	1	2.5	17	173
034481049890	PF7FN	4" DB-60 45° X 36" SWEEP	$15.07	$17.33	1 EA	1	4.2	17	173
034481044925	PF7FP	5" DB-60 45° X 36" SWEEP	$27.26	$31.35	1 EA	1	6.7	17	173
034481216278	PF7FR	6" DB-60 45° X 36" SWEEP	$45.43	$52.24	1 EA	1	9.8	17	173
034481332923	PF7HJ	2" DB-60 45° X 48" SWEEP	$13.23	$15.21	1 EA	1	1.3	17	173
034481080312	PF7HL	3" DB-60 45° X 48" SWEEP	$25.67	$29.52	1 EA	1	3.1	17	173
034481049906	PF7HN	4" DB-60 45° X 48" SWEEP	$23.00	$26.45	1 EA	1	5.3	17	173
034481049937	PF7HP	5" DB-60 45° X 48" SWEEP	$30.36	$34.91	1 EA	1	8.1	17	173
034481216292	PF7HR	6" DB-60 45° X 48" SWEEP	$53.43	$61.44	1 EA	1	12.3	17	173
034481216315	PF7IL	3" DB-60 45° X 60" SWEEP	$19.71	$22.67	1 EA	1	3.7	17	173
034481216483	PF7SH	1-1/2" DB-60 45° X 150" SWEEP	$25.16	$28.93	1 EA	1	2.9	17	173
034481056768	PF7SJ	2" DB-60 45° X 150" SWEEP	$25.01	$28.76	1 EA	1	4.0	17	173
034481083283	PF7SL	3" DB-60 45° X 150" SWEEP	$50.60	$58.19	1 EA	1	8.4	17	173
034481044918	PF7SN	4" DB-60 45° X 150" SWEEP	$49.50	$56.93	1 EA	1	14.3	17	173
034481049395	PF7SP	5" DB-60 45° X 150" SWEEP	$89.04	$102.40	1 EA	1	22.1	17	173
034481049418	PF7SR	6" DB-60 45° X 150" SWEEP	$154.80	$178.02	1 EA	1	31.9	17	173
034481072560	PF7VN	4" DB-60 45° X 300" SWEEP	$213.16	$245.13	1 EA	1	27.6	17	173
034481072591	PF7VP	5" DB-60 45° X 300" SWEEP	$89.82	$103.29	1 EA	1	42.9	17	173
034481080350	PF7VR	6" DB-60 45° X 300" SWEEP	$115.91	$133.30	1 EA	1	43.2	17	173
034481049500	PF9CH	1-1/2" DB-60 90° X 18" SWEEP	$7.50	$8.63	1 EA	1	0.9	17	173
034481049531	PF9CJ	2" DB-60 90° X 18" SWEEP	$8.05	$9.26	1 EA	1	1.0	17	173
034481049425	PF9CL	3" DB-60 90° X 18" SWEEP	$11.50	$13.23	1 EA	1	2.5	17	173
034481216728	PF9CN	4" DB-60 90° X 18" SWEEP	$21.54	$24.77	1 EA	1	4.2	17	173
034481216735	PF9DF	1" DB-60 90° X 24" SWEEP	$5.73	$6.59	1 EA	1	0.7	17	173
034481049517	PF9DH	1-1/2" DB-60 90° X 24" SWEEP	$11.49	$13.21	1 EA	1	1.1	17	173
034481049548	PF9DJ	2" DB-60 90° X 24" SWEEP	$8.47	$9.74	1 EA	1	1.3	17	173
034481049586	PF9DL	3" DB-60 90° X 24" SWEEP	$14.76	$16.97	1 EA	1	3.2	17	173
034481049654	PF9DN	4" DB-60 90° X 24" SWEEP	$18.98	$21.83	1 EA	1	5.3	17	173
034481216759	PF9DP	5" DB-60 90° X 24" SWEEP	$39.10	$44.97	1 EA	1	7.9	17	173
034481216827	PF9FF	1" DB-60 90° X 36" SWEEP	$17.18	$19.76	1 EA	1	1.0	17	173

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034481048558	PF9FJ	2" DB-60 90° X 36" SWEEP	$11.47	$13.19	1 EA	1	1.9	17	173
034481049593	PF9FL	3" DB-60 90° X 36" SWEEP	$12.11	$13.93	1 EA	1	4.2	17	173
034481049661	PF9FN	4" DB-60 90° X 36" SWEEP	$17.18	$19.76	1 EA	1	7.4	17	173
034481049692	PF9FP	5" DB-60 90° X 36" SWEEP	$40.64	$46.74	1 EA	1	11.6	17	173
034481216889	PF9FR	6" DB-60 90° X 36" SWEEP	$43.95	$50.54	1 EA	1	16.9	17	173
034481049609	PF9HL	3" DB-60 90° X 48" SWEEP	$29.90	$34.39	1 EA	1	5.7	17	173
034481049678	PF9HN	4" DB-60 90° X 48" SWEEP	$36.18	$41.61	1 EA	1	9.6	17	173
034481049708	PF9HP	5" DB-60 90° X 48" SWEEP	$52.30	$60.15	1 EA	1	14.9	17	173
034481049722	PF9HR	6" DB-60 90° X 48" SWEEP	$77.25	$88.84	1 EA	1	21.6	17	173
034481216926	PF9IL	3" DB-60 90° X 60" SWEEP	$24.97	$28.72	1 EA	1	7.0	17	173
034481049647	PF9IN	4" DB-60 90° X 60" SWEEP	$47.73	$54.89	1 EA	1	11.6	17	173
034481049685	PF9IP	5" DB-60 90° X 60" SWEEP	$69.04	$79.40	1 EA	1	18.1	17	173
034481049715	PF9IR	6" DB-60 90° X 60" SWEEP	$93.34	$107.34	1 EA	1	26.2	17	173
034481072300	PF9SH	1-1/2" DB-60 90° X 150" SWEEP	$63.86	$73.44	1 EA	1	5.5	17	173
034481333180	PF9SJ	2" DB-60 90° X 150" SWEEP	$39.33	$45.23	1 EA	1	7.5	17	173
034481217138	PF9SL	3" DB-60 90° X 150" SWEEP	$55.88	$64.26	1 EA	1	17.8	17	173
034481217176	PF9SR	6" DB-60 90° X 150" SWEEP	$157.00	$180.55	1 EA	1	31.2	17	173
034481072515	PF9VL	3" DB-60 90° X 300" SWEEP	$243.80	$280.37	1 EA	1	33.8	17	173
034481072553	PF9VN	4" DB-60 90° X 300" SWEEP	$122.40	$140.76	1 EA	1	55.7	17	173
034481088912	PF9VP	5" DB-60 90° X 300" SWEEP	$154.29	$177.43	1 EA	1	86.5	17	173
034481137719	PG2W	OPEN/STOP/CLOSE ENGRAVED CAP	$258.46	$297.23	1 EA	1	1.5	18	100
034481137740	PH2W	OPEN/STOP/CLOSE ENGRAVED CAP	$258.30	$297.05	1 EA	1	1.5	18	100
034481072621	PH3CJ	2" DB-120 11-1/4° X 18" SWEEP	$12.93	$14.87	1 EA	1	0.0	17	176
034481123019	PH3CL	3" DB-120 11-1/4° X 18" SWEEP	$11.43	$13.14	1 EA	1	0.98	17	176
034481072676	PH3CN	4" DB-120 11-1/4° X 18" SWEEP	$13.15	$15.12	1 EA	1	1.6	17	176
034481080398	PH3DJ	2" DB-120 11-1/4° X 24" SWEEP	$9.18	$10.56	1 EA	1	0.6	17	176
034481333258	PH3DN	4" DB-120 11-1/4° X 24" SWEEP	$13.68	$15.73	1 EA	1	1.9	17	176
034481072805	PH3DP	5" DB-120 11-1/4° X 24" SWEEP	$21.91	$25.20	1 EA	1	2.9	17	176
034481217816	PH3FJ	2" DB-120 11-1/4° X 36" SWEEP	$9.85	$11.33	1 EA	1	0.6	17	176
034481217923	PH3FL	3" DB-120 11-1/4° X 36" SWEEP	$11.18	$12.86	1 EA	1	1.2	17	176
034481217930	PH3FN	4" DB-120 11-1/4° X 36" SWEEP	$20.82	$23.94	1 EA	1	2.1	17	176
034481080404	PH3FP	5" DB-120 11-1/4° X 36" SWEEP	$45.65	$52.50	1 EA	1	3.6	17	176
034481217947	PH3FR	6" DB-120 11-1/4° X 36" SWEEP	$53.83	$61.90	1 EA	1	5.6	17	176
034481096689	PH3HN	4" DB-120 11-1/4° X 48" SWEEP	$15.84	$18.22	1 EA	1	2.5	17	176
034481123002	PH3HP	5" DB-120 11-1/4° X 48" SWEEP	$25.66	$29.51	1 EA	1	3.9	17	176
034481217978	PH3IN	4" DB-120 11-1/4° X 60" SWEEP	$19.15	$22.02	1 EA	1	2.7	17	176
034481072980	PH3IP	5" DB-120 11-1/4° X 60" SWEEP	$62.36	$71.71	1 EA	1	4.4	17	176
034481217985	PH3IR	6" DB-120 11-1/4° X 60" SWEEP	$61.01	$70.16	1 EA	1	6.8	17	176
034481080435	PH3SJ	2" DB-120 11-1/4° X 150" SWEEP	$28.57	$32.86	1 EA	1	1.5	17	176
034481080442	PH3SN	4" DB-120 11-1/4° X 150" SWEEP	$31.74	$36.50	1 EA	1	5.3	17	176
034481080459	PH3SP	5" DB-120 11-1/4° X 150" SWEEP	$37.56	$43.19	1 EA	1	8.8	17	176
034481218043	PH3SR	6" DB-120 11-1/4° X 150" SWEEP	$58.89	$67.72	1 EA	1	12.5	17	176
034481333326	PH3VR	6" DB-120 11-1/4° X 300" SWEEP	$90.90	$104.54	1 EA	1	21.1	17	176
034481080466	PH5CJ	2" DB-120 22-1/2° X 18" SWEEP	$12.65	$14.55	1 EA	1	0.5	17	176
034481019718	PH5CL	3" DB-120 22-1/2° X 18" SWEEP	$10.58	$12.17	1 EA	1	1.0	17	176
034481072652	PH5CN	4" DB-120 22-1/2° X 18" SWEEP	$13.15	$15.12	1 EA	1	2.2	17	176
034481218081	PH5DJ	2" DB-120 22-1/2° X 24" SWEEP	$9.18	$10.56	1 EA	1	14.5	17	176
034481080473	PH5DL	3" DB-120 22-1/2° X 24" SWEEP	$20.91	$24.05	1 EA	1	1.4	17	176
034481080480	PH5DP	5" DB-120 22-1/2° X 24" SWEEP	$76.08	$87.49	1 EA	1	4.0	17	176

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034481218104	PH5FJ	2" DB-120 22-1/2° X 36" SWEEP	$9.12	$10.49	1 EA	1	21.9	17	176
034481218111	PH5FL	3" DB-120 22-1/2° X 36" SWEEP	$11.18	$12.86	1 EA	1	1.8	17	176
034481218128	PH5FN	4" DB-120 22-1/2° X 36" SWEEP	$14.79	$17.01	1 EA	1	3.2	17	176
034481218135	PH5FP	5" DB-120 22-1/2° X 36" SWEEP	$31.11	$35.78	1 EA	1	5.2	17	176
034481080497	PH5HL	3" DB-120 22-1/2° X 48" SWEEP	$13.57	$15.61	1 EA	1	2.1	17	176
034481080503	PH5HN	4" DB-120 22-1/2° X 48" SWEEP	$26.64	$30.64	1 EA	1	3.8	17	176
034481218159	PH5HP	5" DB-120 22-1/2° X 48" SWEEP	$23.76	$27.32	1 EA	1	6.0	17	176
034481218166	PH5HR	6" DB-120 22-1/2° X 48" SWEEP	$44.70	$51.41	1 EA	1	9.5	17	176
034481072935	PH5IJ	2" DB-120 22-1/2° X 60" SWEEP	$15.57	$17.91	1 EA	1	1.1	17	176
034481126829	PH5IL	3" DB-120 22-1/2° X 60" SWEEP	$14.36	$16.51	1 EA	1	2.6	17	176
034481218197	PH5IR	6" DB-120 22-1/2° X 60" SWEEP	$46.75	$53.76	1 EA	1	10.7	17	176
034481218203	PH5SN	4" DB-120 22-1/2° X 150" SWEEP	$31.74	$36.50	1 EA	1	9.5	17	176
034481218210	PH5SP	5" DB-120 22-1/2° X 150" SWEEP	$37.56	$43.19	1 EA	1	14.8	17	176
034481218227	PH5SR	6" DB-120 22-1/2° X 150" SWEEP	$58.89	$67.72	1 EA	1	21.9	17	176
034481218241	PH5VJ	2" DB-120 22-1/2° X 300" SWEEP	$33.04	$38.00	1 EA	1	4.7	17	176
034481333470	PH5VN	4" DB-120 22-1/2° X 300" SWEEP	$45.08	$51.84	1 EA	1	41.1	17	176
034481080534	PH6CJ	2" DB-120 30° X 18" SWEEP	$8.36	$9.61	1 EA	1	0.6	17	176
034481056829	PH6CL	3" DB-120 30° X 18" SWEEP	$10.58	$12.17	1 EA	1	1.4	17	176
034481333494	PH6CN	4" DB-120 30° X 18" SWEEP	$20.13	$23.16	1 EA	1	1.9	17	176
034481019701	PH6DJ	2" DB-120 30° X 24" SWEEP	$19.71	$22.67	1 EA	1	0.6	17	176
034481333517	PH6DN	4" DB-120 30° X 24" SWEEP	$22.50	$25.88	1 EA	1	3.7	17	176
034481333524	PH6DP	5" DB-120 30° X 24" SWEEP	$35.94	$41.33	1 EA	1	5.0	17	176
034481218296	PH6FJ	2" DB-120 30° X 36" SWEEP	$92.90	$106.84	1 EA	1	1.2	17	176
034481019565	PH6FL	3" DB-120 30° X 36" SWEEP	$11.18	$12.86	1 EA	1	2.1	17	176
034481080541	PH6FN	4" DB-120 30° X 36" SWEEP	$22.41	$25.77	1 EA	1	3.7	17	176
034481080558	PH6FP	5" DB-120 30° X 36" SWEEP	$36.91	$42.45	1 EA	1	5.8	17	176
034481333548	PH6FR	6" DB-120 30° X 36" SWEEP	$59.32	$68.22	1 EA	1	7.4	17	176
034481218302	PH6HN	4" DB-120 30° X 48" SWEEP	$15.84	$18.22	1 EA	1	4.6	17	176
034481080589	PH6HR	6" DB-120 30° X 48" SWEEP	$54.28	$62.42	1 EA	1	11.3	17	176
034481080596	PH6IN	4" DB-120 30° X 60" SWEEP	$22.36	$25.71	1 EA	1	5.6	17	176
034481073031	PH6SL	3" DB-120 30° X 150" SWEEP	$29.85	$34.33	1 EA	1	7.0	17	176
034481218340	PH7CJ	2" DB-120 45° X 18" SWEEP	$8.52	$9.80	1 EA	1	0.7	17	175
034481080619	PH7CL	3" DB-120 45° X 18" SWEEP	$10.69	$12.29	1 EA	1	3.1	17	175
034481333579	PH7CN	4" DB-120 45° X 18" SWEEP	$13.57	$15.61	1 EA	1	3.2	17	175
034481218357	PH7DJ	2" DB-120 45° X 24" SWEEP	$9.38	$10.79	1 EA	1	1.1	17	175
034481218364	PH7DL	3" DB-120 45° X 24" SWEEP	$17.25	$19.84	1 EA	1	1.8	17	175
034481218371	PH7DN	4" DB-120 45° X 24" SWEEP	$24.45	$28.12	1 EA	1	3.8	17	175
034481218388	PH7DP	5" DB-120 45° X 24" SWEEP	$72.95	$83.89	1 EA	1	6.7	17	175
034481218401	PH7FJ	2" DB-120 45° X 36" SWEEP	$9.90	$11.39	1 EA	1	1.3	17	175
034481218418	PH7FL	3" DB-120 45° X 36" SWEEP	$12.03	$13.83	1 EA	1	3.1	17	175
034481218425	PH7FN	4" DB-120 45° X 36" SWEEP	$19.70	$22.66	1 EA	1	5.2	17	175
034481218449	PH7FP	5" DB-120 45° X 36" SWEEP	$38.23	$43.96	1 EA	1	8.4	17	175
034481218456	PH7FR	6" DB-120 45° X 36" SWEEP	$92.06	$105.87	1 EA	1	12.5	17	175
034481218463	PH7HJ	2" DB-120 45° X 48" SWEEP	$11.49	$13.21	1 EA	1	1.6	17	175
034481218470	PH7HL	3" DB-120 45° X 48" SWEEP	$14.63	$16.82	1 EA	1	3.9	17	175
034481218487	PH7HN	4" DB-120 45° X 48" SWEEP	$39.08	$44.94	1 EA	1	6.4	17	175
034481218494	PH7HP	5" DB-120 45° X 48" SWEEP	$52.38	$60.24	1 EA	1	10.1	17	175
034481218500	PH7HR	6" DB-120 45° X 48" SWEEP	$57.88	$66.56	1 EA	1	14.8	17	175
034481072911	PH7IJ	2" DB-120 45° X 60" SWEEP	$27.41	$31.52	1 EA	1	2.2	17	175

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034481218517	PH7IL	2" DB-120 45° X 60" SWEEP	$18.87	$21.70	1 EA	1	4.5	17	175
034481218531	PH7IP	5" DB-120 45° X 60" SWEEP	$55.34	$63.64	1 EA	1	11.9	17	175
034481218623	PH7SJ	2" DB-120 45° X 150" SWEEP	$30.02	$34.52	1 EA	1	4.7	17	175
034481218647	PH7SN	4" DB-120 45° X 150" SWEEP	$108.59	$124.88	1 EA	1	17.4	17	175
034481218654	PH7SP	5" DB-120 45° X 150" SWEEP	$136.27	$156.71	1 EA	1	26.7	17	175
034481218661	PH7SR	6" DB-120 45° X 150" SWEEP	$99.27	$114.16	1 EA	1	38.0	17	175
034481218708	PH9CJ	2" DB-120 90° X 18" SWEEP	$9.71	$11.17	0 EA	1	1.3	17	175
034481218715	PH9CL	3" DB-120 90° X 18" SWEEP	$10.94	$12.58	1 EA	1	3.1	17	175
034481080633	PH9CN	4" DB-120 90° X 18" SWEEP	$16.74	$19.25	1 EA	1	4.0	17	175
034481218722	PH9DJ	2" DB-120 90° X 24" SWEEP	$10.16	$11.68	1 EA	1	1.8	17	175
034481218739	PH9DL	3" DB-120 90° X 24" SWEEP	$11.58	$13.32	1 EA	1	3.9	17	175
034481218746	PH9DN	4" DB-120 90° X 24" SWEEP	$25.02	$28.77	1 EA	1	6.6	17	175
034481218753	PH9DP	5" DB-120 90° X 24" SWEEP	$59.71	$68.67	1 EA	1	10.0	17	175
034481218777	PH9FJ	2" DB-120 90° X 36" SWEEP	$12.65	$14.55	1 EA	1	2.3	17	175
034481218784	PH9FL	3" DB-120 90° X 36" SWEEP	$14.52	$16.70	1 EA	1	5.2	17	175
034481218781	PH9FN	4" DB-120 90° X 36" SWEEP	$20.64	$23.74	1 EA	1	9.2	17	175
034481218814	PH9FP	5" DB-120 90° X 36" SWEEP	$41.40	$47.61	1 EA	1	14.4	17	175
034481218821	PH9FR	6" DB-120 90° X 36" SWEEP	$75.50	$86.83	1 EA	1	21.0	17	175
034481218838	PH9HJ	2" DB-120 90° X 48" SWEEP	$21.90	$25.19	1 EA	1	3.1	17	175
034481218845	PH9HL	3" DB-120 90° X 48" SWEEP	$30.96	$35.60	1 EA	1	6.9	17	175
034481218852	PH9HN	4" DB-120 90° X 48" SWEEP	$48.29	$55.53	1 EA	1	11.7	17	175
034481218876	PH9HP	5" DB-120 90° X 48" SWEEP	$70.66	$81.26	1 EA	1	18.5	17	175
034481218883	PH9HR	6" DB-120 90° X 48" SWEEP	$88.64	$101.94	1 EA	1	26.7	17	175
034481218890	PH9IJ	2" DB-120 90° X 60" SWEEP	$37.18	$42.76	1 EA	1	4.0	17	175
034481218906	PH9IL	3" DB-120 90° X 60" SWEEP	$38.49	$44.26	1 EA	1	8.4	17	175
034481218913	PH9IN	4" DB-120 90° X 60" SWEEP	$51.14	$58.81	1 EA	1	14.3	17	175
034481218937	PH9IR	6" DB-120 90° X 60" SWEEP	$133.14	$153.11	1 EA	1	31.7	17	175
034481080640	PH9SJ	2" DB-120 90° X 150" SWEEP	$50.98	$58.63	1 EA	1	2.6	17	175
034481073017	PH9SL	3" DB-120 90° X 150" SWEEP	$67.06	$77.12	1 EA	1	21.0	17	175
034481219002	PH9SN	4" DB-120 90° X 150" SWEEP	$92.59	$106.48	1 EA	1	33.5	17	175
034481073062	PH9SP	5" DB-120 90° X 150" SWEEP	$126.07	$144.98	1 EA	1	54.3	17	175
034481073086	PH9SR	6" DB-120 90° X 150" SWEEP	$188.38	$216.64	1 EA	1	9.3	17	175
034481333890	PH9VN	4" DB-120 90° X 300" SWEEP	$388.86	$447.19	1 EA	1	67.2	17	175
034481073260	PH9VR	6" DB-120 90° X 300" SWEEP	$210.74	$242.35	1 EA	1	152.8	17	175
034481137672	PI2W	OPEN/STOP/CLOSE ENGRAVED CAP	$409.33	$470.73	1 EA	1	1.65	18	100
034481119470	PID1612	INTERNAL DOOR - HP1612B	$50.90	$58.54	1 EA	1	2.1	19	76
034481119487	PID2016	INTERNAL DOOR - HP2016B	$61.31	$70.51	1 EA	1	3.2	19	76
034481119494	PID2416	INTERNAL DOOR - HP2416C	$69.41	$79.82	1 EA	1	4.5	19	76
034481119500	PID3020	INTERNAL DOOR - HP3020D	$80.98	$93.13	1 EA	1	6.5	19	76
034481119517	PID3325	INTERNAL DOOR - HP3325D	$97.18	$111.76	1 EA	1	8.5	19	76
034481137641	PJ3W	FORWARD / STOP / REVERSE ENGRAVED CAP	$363.62	$418.16	1 EA	1	1.75	18	100
034481137696	PK3W	OPEN/STOP/CLOSE ENGRAVED CAP	$363.62	$418.16	1 EA	1	1.75	18	100
034481137665	PL3W	OPEN/STOP/CLOSE ENGRAVED CAP	$363.62	$418.16	1 EA	1	1.75	18	100
034481119364	PMB1612	14 X 10 HP NONMETALLIC BACKPANEL	$18.01	$20.71	1 EA	1	1.1	19	77
034481119371	PMB2016	18 X 14 HP NONMETALLIC BACKPANEL	$23.84	$27.42	1 EA	1	2.7	19	77
034481119388	PMB2416	22 X 14 HP NONMETALLIC BACKPANEL	$37.51	$43.14	1 EA	1	3.1	19	77
034481119395	PMB3020	26 X 17 HP NONMETALLIC BACKPANEL	$56.35	$64.80	1 EA	1	4.6	19	77
034481119401	PMB3325	30 X 22 HP NONMETALLIC BACKPANEL	$83.74	$96.30	1 EA	1	6.0	19	77
034481119531	PMM1612	14X10 HP METAL BACKPANEL - 14 GA. WHT	$12.73	$14.64	1 EA	1	3.1	19	77

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034481119548	PMM2016	18X14 HP METAL BACKPANEL - 14 GA. WHT	$19.38	$22.29	1 EA	1	6.2	19	77
034481119555	PMM2416	22X14 HP METAL BACKPANEL - 14 GA. WHT	$23.14	$26.61	1 EA	1	8.0	19	77
034481119562	PMM3020	26X16 HP METAL BACKPANEL - 14 GA. WHT	$37.02	$42.57	1 EA	1	12.0	19	77
034481119579	PMM3325	30X22 HP METAL BACKPANEL - 12 GA. WHT	$57.75	$66.41	1 EA	1	20.0	19	77
034481119425	PMR1612	14X10 HP PERFORATED PANEL-ZINC PLT	$36.75	$42.26	1 EA	1	1.5	19	77
034481119432	PMR2016	18X14 HP PERFORATED PANEL - ZINC PLT	$59.82	$68.79	1 EA	1	2.9	19	77
034481119449	PMR2416	22X14 HP PERFORATED PANEL - ZINC PLT	$72.97	$83.92	1 EA	1	3.5	19	77
034481119456	PMR3020	26X17 HP PERFORATED PANEL - ZINC PLT	$99.09	$113.95	1 EA	1	5.1	19	77
034481119463	PMR3325	30X22 HP PERFORATED PANEL - ZINC PLT	$119.64	$137.59	1 EA	1	7.1	19	77
034481116479	PN16NLK	NF40A 250/600 VAC 6P N4X DISC	$601.42	$691.63	1 EA	1	25.58	18	98
034481091523	PN26NLK	NF80A 250/600 VAC 6P N4X DISC	$756.35	$869.80	1 EA	1	26.66	18	98
034481118411	PN36NLK	NF100A 250/600 VAC 6P N4X DISC	$911.28	$1,047.97	1 EA	1	22.91	18	98
034481118428	PN46NAN	NF200A 250/600 VAC 6P N4X DISC	$3,619.50	$4,162.43	1 EA	1	67.98	18	98
034481118435	PN56NAN	NF400A 250/600 VAC 6P N4X DISC	$6,659.55	$7,658.48	1 EA	1	114.3	18	98
034481334231	PX0007	CP200NB WITH 2-22.35 HOLES	$34.29	$39.43	1 EA	1	1.307	18	80
034481334248	PX0008	CP300NB WITH 4-22.35 HOLES	$39.10	$44.97	1 EA	1	1.572	18	80
034481334262	PX0010	CP100NB WITH 1-22.35 HOLE	$32.36	$37.21	1 EA	10	8.26	18	80
034481118688	PX0011	CP300NB WITH 3-22.35 HOLES	$37.90	$43.59	1 EA	6	9.432	18	80
081203032005	RC3200	EXTEND A CHIME	$47.42	$54.53	1 EA	6	4.5	18	14
081203032500	RC3250	PLUG IN DOOR CHIME	$47.39	$54.50	1 EA	6	4.5	18	14
081203032524	RC3252	PLUG IN DOOR CHIME - 2 TRANSMITTERS	$56.44	$64.91	1 EA	6	4.9	18	14
081203032531	RC3253	ADD ON PLUG IN DOOR CHIME	$38.39	$44.15	1 EA	6	3.8	18	14
081203032609	RC3260	PLUG IN ENTRANCE ALERT	$48.70	$56.01	1 EA	6	4.8	18	14
081203033019	RC3301	DOOR CHIME BUTTON	$17.50	$20.13	1 EA	6	1.3	18	15
081203033118	RC3311	BLACK DOOR CHIME BUTTON	$22.02	$25.32	1 EA	6	0.8	18	15
081203033217	RC3321	DOOR BELL BUTTON	$22.02	$25.32	1 EA	6	1.3	18	15
081203033958	RC3395	3 VOLT BATTERY (2)	$5.30	$6.10	1 EA	12	0.5	18	15
081203035105	RC3510	WEATHERPROOF BATTERY DOOR BELL	$23.76	$27.32	1 EA	6	3.5	5	
781207032634	RP14105	1/4"x5000' 4-STG POLY ROPE 1130 LB.	$365.83	$420.70	1 EA	5000	72	63	192
781207032603	RP14110	1/4"x10000' 4-STG POLY ROPE 1130 LB.	$731.65	$841.40	1 EA	10000	140.0	63	192
034481026396	RVA1	BOX ADAPTER - SERIES 10-IVORY	$31.02	$35.67	100 EA	25	0.4	10	110
034481027164	RVA3	BOX ADAPTER - SERIES 30-IVORY	$56.22	$64.65	100 EA	25	0.5	10	111
034481028505	RVA8	BOX ADAPTER - SERIES 80-IVORY	$43.82	$50.39	100 EA	25	0.4	10	112
034481025993	RVA9	ADAPTER - SERIES 90-IVORY	$162.37	$186.73	100 EA	10	0.3	10	132
034481077862	RVAC	CONDUIT ADAPTER-IVORY	$777.43	$894.04	100 EA	10	0.1	10	113
034481025580	RVB50	CEILING BOX ASSEMBLY-IVORY	$1,022.45	$1,175.82	100 EA	8	3.1	10	113
034481025795	RVBB1	BOX BLANKS CORNICE ADAPT-IVORY	$38.87	$44.70	100 EA	20	0.2	10	113
034481025818	RVBB2	CLG BOX BLANKS CORNICE ADAPT-IVORY	$47.29	$54.38	100 EA	20	0.1	10	113
034481025641	RVC50	BLANK COVER CEILING BOX-IVORY	$573.76	$659.82	100 EA	20	2.0	10	113
034481033882	RVC9-005	5' CORNICE COVE - SR 90 SURF RWY-IVR	$227.46	$261.58	100 FT	50	12.0	10	132
034481028925	RVC9-010	10' CORNICE COVE-SR 90 SURF RWY-IVR	$227.46	$261.58	100 FT	100	24.9	10	132
034481026297	RVCP1	CPLNG - SERIES 10 SURFACE RWY-IVORY	$39.94	$45.93	100 EA	20	0.4	10	110
034481029618	RVCP3	COUPLING - SER 30 INT - IVORY	$49.93	$57.42	100 EA	10	0.2	10	111
034481155553	RVCP3E	COUPLING - SER 30 EXT - IVORY	$546.97	$629.02	100 EA	20	0.4	10	111
034481028369	RVCP8	CPLNG - SERIES 80 SURFACE RWY-IVORY	$51.56	$59.29	100 EA	20	0.5	10	112
034481144793	RVCP9	COUPLING SERIES 90, COVE, IVORY	$133.62	$153.66	100 EA	10	0.6	10	132
034481026334	RVEE1	ELBOW EXT - SER 10 SURF RWY-IVORY	$155.53	$178.86	100 EA	20	0.6	10	110
034481027102	RVEE3	ELBOW EXT - SER 30 SURF RWY-IVORY	$226.46	$260.43	100 EA	5	0.3	10	111
034481149033	RVEE3D	ELBOW EXT-SER 30-IVORY-DATA	$226.95	$260.99	100 EA	10	0.7	10	111

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034481028444	RVEE8	ELBOW EXT - SER 80 SURF RWY-IVORY	$162.89	$187.32	100 EA	20	0.5	10	112
034481025955	RVEE9	ELBOW EXT - SER 90 SURF RWY-IVORY	$211.75	$243.51	100 EA	10	0.5	10	132
034481026358	RVEF1	ELBOW FLAT - SER 10 SURF RWY-IVORY	$152.25	$175.09	100 EA	20	0.4	10	110
034481027126	RVEF3	ELBOW FLAT - SER 30 SURF RWY-IVORY	$198.62	$228.41	100 EA	5	0.3	10	111
034481149170	RVEF3D	ELBO FLAT-SER 30-IVORY-DATA	$208.97	$240.32	100 EA	10	0.7	10	111
034481028468	RVEF8	ELBOW FLAT - SER 80 SURF RWY-IVORY	$162.89	$187.32	100 EA	20	0.7	10	112
034481026310	RVEI1	ELBOW INT - SER 10 SURF RWY-IVORY	$155.53	$178.86	100 EA	20	0.4	10	110
034481029632	RVEI3	ELBOW INT - SER 30 SURF RWY-IVORY	$198.38	$228.14	100 EA	5	0.3	10	111
034481149064	RVEI3D	ELBOW INT-SER 30-IVORY-DATA	$216.84	$249.37	100 EA	10	0.6	10	111
034481028420	RVEI8	ELBOW INT - SER 80 SURF RWY-IVORY	$163.26	$187.75	100 EA	20	0.5	10	112
034481025979	RVEI9	ELBOW INT - SER 90 SURF RWY-IVORY	$211.75	$243.51	100 EA	10	0.4	10	132
034481026273	RVES1	END STOP - SER 10 SURF RWY-IVORY	$31.02	$35.67	100 EA	20	0.2	10	110
034481029595	RVES3	END STOP - SER 30 SURF RWY-IVORY	$56.22	$64.65	100 EA	40	0.6	10	111
034481028345	RVES8	END STOP - SER 80 SURF RWY-IVORY	$43.82	$50.39	100 EA	20	0.2	10	112
034481026013	RVES9	END STOP - SER 90 SURF RWY-IVORY	$220.68	$253.78	100 EA	10	0.2	10	132
034481033905	RVM1-005	5' SERIES 10 SURFACE RWY-IVORY	$87.12	$100.19	100 FT	50	6.0	10	110
034481028949	RVM1-010	10' SERIES 10 SURFACE RWY-IVORY	$87.12	$100.19	100 FT	100	10.8	10	110
034481033981	RVM3-005	5' SERIES 30 SURFACE RWY-IVORY	$178.80	$205.62	100 FT	50	9.6	10	111
034481029021	RVM3-010	10' SERIES 30 SURFACE RWY-IVORY	$178.80	$205.62	100 FT	100	18.8	10	111
034481034162	RVM8-005	5' SERIES 80 SURFACE RWY-IVORY	$139.91	$160.90	100 FT	50	8.1	10	112
034481029205	RVM8-010	10' SERIES 80 SURFACE RWY-IVORY	$139.91	$160.90	100 FT	100	15.4	10	112
034481155386	RVMA1-005	5' SERIES 10 SURFACE RWY-IVORY-ADHESIVE	$95.12	$109.39	100 FT	50	7.1	10	110
034481152439	RVMA1-010	SERIES 10 RACEWAY, IVORY. ADHESIVE	$95.12	$109.39	100 FT	100	14.1	10	110
034481155539	RVMA3-005	5' SERIES 30 SURFACE RWY IVORY ADHESIVE	$199.19	$229.07	1 FT	50	6.0	10	111
034481152446	RVMA3-010	SERIES 30 RACEWAY, IVORY, ADHESIVE	$199.19	$229.07	100 FT	100	21.5	10	111
034481026051	RVS9	COVE WIRE RETAINER - SERIES 90-IVORY	$26.27	$30.21	100 EA	25	0.5	10	132
034481026372	RVT1	TEE FLAT - SERIES 10 SURF RWY-IVORY	$197.04	$226.60	100 EA	20	0.5	10	110
034481027140	RVT3	TEE FLAT - SERIES 30 SURF RWY-IVORY	$231.92	$266.71	100 EA	5	0.3	10	111
034481149057	RVT3D	TEE FLAT-SER 30-IVORY-DATA	$252.79	$290.71	100 EA	10	0.9	10	111
034481028482	RVTF8	TEE FLAT - SERIES 80 SURF RWY-IVORY	$205.95	$236.84	100 EA	10	0.5	10	112
034481033462	RVWB17	1-GANG WALL BOX ASSEMBLY SH-IVORY	$490.29	$563.83	100 EA	5	1.5	10	113
034481033479	RVWB19	1-GANG WALL BOX ASSEMBLY MD-IVORY	$554.33	$637.48	100 EA	5	1.5	10	113
034481033486	RVWB22	1-GANG WALL BOX ASSEMBLY DP-IVORY	$903.74	$1,039.30	100 EA	5	1.7	10	113
034481033509	RVWB53	2-GANG WALL BOX ASSEMBLY DP-IVORY	$1,214.79	$1,397.01	100 EA	4	2.5	10	113
034481026037	RVX9	COVE INTERSECTION - SERIES 90-IVORY	$267.97	$308.17	100 EA	10	0.5	10	132
034481026198	RWA1	BOX ADAPTER SERIES 10-WHITE	$31.02	$35.67	100 EA	25	0.4	10	110
034481027065	RWA3	BOX ADAPTER SERIES 30-WHITE	$56.22	$64.65	100 EA	25	0.5	10	111
034481028284	RWA8	BOX ADAPTER SERIES 80-WHITE	$43.82	$50.39	100 EA	25	0.4	10	112
034481025870	RWA9	ADAPTER SERIES 90 COVE-WHITE	$162.37	$186.73	100 EA	10	0.3	10	132
034481077855	RWAC	CONDUIT ADAPTER-WHITE	$777.43	$894.04	100 EA	10	0.6	10	113
034481025313	RWB50	CEILING BOX ASSEMBLY-WHITE	$1,022.45	$1,175.82	100 EA	8	3.1	10	113
034481025542	RWBB1	DEVICE BOX BLANK-WHITE	$38.87	$44.70	100 EA	20	0.2	10	113
034481025566	RWBB2	CEILING BOX BLANK-WHITE	$47.29	$54.38	100 EA	20	0.1	10	113
034481025351	RWC50	BLANK COVER CEILING BOX-WHITE	$573.76	$659.82	100 EA	20	2.0	10	113
034481033547	RWC9-005	5' SERIES 90 COVE RACEWAY-WHITE	$227.46	$261.58	100 FT	50	12.0	10	132
034481028581	RWC9-010	10' SERIES 90 COVE RACEWAY-WHITE	$227.46	$261.58	100 FT	100	24.9	10	132
034481026099	RWCP1	COUPLING - SERIES 10 SURF RWY-WHITE	$39.94	$45.93	100 EA	20	0.4	10	110
034481026259	RWCP3	COUPLING - SER 30 INT - WHT	$49.93	$57.42	100 EA	10	0.2	10	111
034481154037	RWCP3E	COUPLING - SER 30 EXT - WHT	$546.97	$629.02	100 EA	20	0.4	10	111

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034481028147	RWCP8	COUPLING - SERIES 80 SURF RWY-WHITE	$51.56	$59.29	100 EA	20	0.5	10	112
034481144786	RWCP9	COUPLING SERIES 90, COVE, WHITE	$133.62	$153.66	100 EA	10	0.1	10	132
034481026136	RWEE1	ELBOW EXT - SERIES 10-WHITE	$155.53	$178.86	100 EA	20	0.6	10	110
034481027003	RWEE3	ELBOW EXT - SERIES 30-WHITE	$226.46	$260.43	100 EA	5	0.3	10	111
034481149040	RWEE3D	ELBOW EXT-SER 30-WHITE-DATA	$226.95	$260.99	100 EA	10	0.7	10	111
034481028222	RWEE8	ELBOW EXT - SERIES 80-WHITE	$162.89	$187.32	100 EA	20	0.5	10	112
034481025832	RWEE9	ELBOW EXT - SERIES 90-WHITE	$211.75	$243.51	100 EA	10	0.5	10	132
034481026150	RWEF1	ELBOW FLAT - SERIES 10-WHITE	$152.25	$175.09	100 EA	20	0.4	10	110
034481027027	RWEF3	ELBOW FLAT - SERIES 30-WHITE	$198.62	$228.41	100 EA	5	0.3	10	111
034481149026	RWEF3D	ELBOW FLAT-SER 30-WHITE-DATA	$208.97	$240.32	100 EA	10	0.7	10	111
034481028246	RWEF8	ELBOW FLAT - SERIES 80-WHITE	$162.89	$187.32	100 EA	20	0.7	10	112
034481026112	RWEI1	ELBOW INT - SERIES 10-WHITE	$155.53	$178.86	100 EA	20	0.4	10	110
034481026433	RWEI3	ELBOW INT - SERIES 30-WHITE	$198.38	$228.14	100 EA	5	0.3	10	111
034481149019	RWEI3D	ELBOW INT-SER 30-WHITE DATA	$216.84	$249.37	100 EA	10	0.6	10	111
034481028208	RWEI8	ELBOW INT - SERIES 80-WHITE	$163.26	$187.75	100 EA	20	0.5	10	112
034481025856	RWEI9	ELBOW INT - SERIES 90-WHITE	$211.75	$243.51	100 EA	10	0.4	10	132
034481026075	RWES1	END STOP - SERIES 10-WHITE	$31.02	$35.67	100 EA	20	0.2	10	110
034481026235	RWES3	END STOP - SERIES 30-WHITE	$56.22	$64.65	100 EA	40	0.6	10	111
034481028123	RWES8	END STOP - SERIES 80-WHITE	$43.82	$50.39	100 EA	20	0.2	10	112
034481025894	RWES9	COVE END STOP - SERIES 90-WHITE	$220.68	$253.78	100 EA	10	0.2	10	132
034481022343	RWM1-005	5/8X5/8 RACEWAY W/COVER	$87.12	$100.19	100 FT	50	6.0	10	110
034481028604	RWM1-010	10' SERIES 10 SURFACE RWY-WHITE	$87.12	$100.19	100 FT	100	10.8	10	110
034481039334	RWM3-005	5' SERIES 30 SURFACE RWY-WHITE	$178.80	$205.62	100 FT	50	9.6	10	111
034481028680	RWM3-010	10' SERIES 30 SURFACE RWY-WHITE	$178.80	$205.62	100 FT	100	18.8	10	111
034481033820	RWM8-005	5' SERIES 80 SURFACE RWY-WHITE	$139.91	$160.90	100 FT	50	8.1	10	112
034481028864	RWM8-010	10' SERIES 80 SURFACE RWY-WHITE	$139.91	$160.90	100 FT	100	15.4	10	112
034481155546	RWMA1-005	5' SERIES 10 SURFACE RWY-WHT-ADHESIVE	$95.12	$109.39	100 FT	50	6.0	10	110
034481144755	RWMA1-010	SERIES 10 RACEWAY, WHITE, ADHES.	$95.12	$109.39	100 FT	100	14.1	10	110
034481155379	RWMA3-005	5' SERIES 30 SURFACE RWY, WHT-ADHESIVE	$199.19	$229.07	100 FT	50	10.8	10	111
034481144731	RWMA3-010	SERIES 30 RACEWAY, WHITE, ADHES.	$199.19	$229.07	100 FT	100	21.5	10	111
034481025931	RWS9	COVE WIRE RETAINER - SERIES 90-WHITE	$26.27	$30.21	100 EA	25	0.5	10	132
034481026174	RWT1	TEE FLAT - SERIES 10-WHITE	$197.04	$226.60	100 EA	20	0.5	10	110
034481027041	RWT3	TEE FLAT - SERIES 30-WHITE	$231.92	$266.71	100 EA	5	0.3	10	111
034481149002	RWT3D	TEE FLAT-SER 30-WHITE-DATA	$252.79	$290.71	100 EA	10	0.6	10	111
034481028260	RWTF8	TEE FLAT - SERIES 80-WHITE	$205.95	$236.84	100 EA	10	0.5	10	112
034481033431	RWWB17	1-GANG WALL BOX ASSEMBLY SH-WHITE	$490.29	$563.83	100 EA	5	1.5	10	113
034481033448	RWWB19	1-GANG WALL BOX ASSEMBLY MD-WHITE	$554.33	$637.48	100 EA	5	1.5	10	113
034481033455	RWWB22	1-GANG WALL BOX ASSEMBLY DP-WHITE	$903.74	$1,039.30	100 EA	5	1.7	10	113
034481033493	RWWB53	2-GANG WALL BOX ASSEMBLY DP-WHITE	$1,214.79	$1,397.01	100 EA	4	2.5	10	113
034481025917	RWX9	COVE INTERSECTION - SERIES 90-WHITE	$267.97	$308.17	100 EA	10	0.5	10	132
034481005391	S258RH	REBAR HOLDER	$209.17	$240.55	100 EA	100	11.7	17	194
034481011316	S28612	BEADED TIEWRAP 12 (BT-1201-NT)	$61.08	$70.24	100 EA	100	0.4	17	194
034481004646	S287F	1 SNAP-LOC REDUCER	$159.92	$183.91	100 EA	100	2.1	17	194
034481004653	S287J	2 SNAP-LOC REDUCER	$206.85	$237.88	100 EA	100	4.8	17	194
034481004264	S288JHN	2" X 1-1/2" BASE SPACER	$136.79	$157.31	100 EA	100	19.7	17	194
034481004271	S288JJN	2" X 2" BASE SPACER	$140.62	$161.71	100 EA	100	20.4	17	194
034481004288	S288JLN	2" X 3" BASE SPACER	$161.25	$185.44	100 EA	100	23.3	17	194
034481004295	S288LHN	3" X 1-1/2" BASE SPACER	$149.61	$172.05	100 EA	90	20.5	17	194
034481004301	S288LJN	3" X 2" BASE SPACER	$156.41	$179.87	100 EA	80	19.2	17	194

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034481004318	S288LLN	3" X 3" BASE SPACER	$178.89	$205.72	100 EA	60	16.1	17	194
034481004325	S288NFN	4" X 1" BASE SPACER	$146.79	$168.81	100 EA	70	15.4	17	194
034481004332	S288NHN	4" X 1-1/2" BASE SPACER	$164.40	$189.06	100 EA	50	13.6	17	194
034481004349	S288NJN	4" X 2" BASE SPACER	$170.08	$195.59	100 EA	50	14.7	17	194
034481004356	S288NLN	4" X 3" BASE SPACER	$188.03	$216.23	100 EA	60	17.3	17	194
034481004363	S288PHN	5" X 1-1/2" BASE SPACER	$177.40	$204.01	100 EA	50	15.3	17	194
034481004370	S288PJN	5" X 2" BASE SPACER	$186.03	$213.93	100 EA	60	18.7	17	194
034481004387	S288PLN	5 X 3" BASE SPACER	$231.12	$265.79	100 EA	50	16.9	17	194
034481004394	S288RHN	6" X 1-1/2" BASE SPACER	$285.73	$328.59	100 EA	50	16.7	17	194
034481004400	S288RJN	6" X 2" BASE SPACER	$300.36	$345.41	100 EA	50	17.7	17	194
034481004417	S288RLN	6" X 3" BASE SPACER	$324.50	$373.18	100 EA	40	15.4	17	194
034481004455	S289JHN	2" X 1-1/2" INTERMEDIATE SPACER	$136.79	$157.31	100 EA	120	23.6	17	194
034481004462	S289JJN	2" X 2" INTERMEDIATE SPACER	$140.62	$161.71	100 EA	100	20.6	17	194
034481004479	S289JLN	2" X 3" INTERMEDIATE SPACER	$161.25	$185.44	100 EA	80	20.8	17	194
034481004486	S289LHN	3" X 1-1/2" INTERMEDIATE SPACER	$149.61	$172.05	100 EA	100	21.9	17	194
034481005407	S289LJN	3" X 2" INTERMEDIATE SPACER	$156.41	$179.87	100 EA	80	19.9	17	194
034481004509	S289LLN	3" X 3" INTERMEDIATE SPACER	$178.89	$205.72	100 EA	60	19.0	17	194
034481004516	S289NFN	4" X 1" INTERMEDIATE SPACER	$146.79	$168.81	100 EA	70	15.4	17	194
034481004523	S289NHN	4" X 1-1/2" INTERMEDIATE SPACER	$164.40	$189.06	100 EA	60	18.5	17	194
034481004530	S289NJN	4" X 2" INTERMEDIATE SPACER	$170.08	$195.59	100 EA	60	17.6	17	194
034481004547	S289NLN	4" X 3" INTERMEDIATE SPACER	$188.03	$216.23	100 EA	50	17.9	17	194
034481004554	S289PHN	5" X 1-1/2" INTERMEDIATE SPACER	$177.40	$204.01	100 EA	50	15.5	17	194
034481004561	S289PJN	5" X 2" INTERMEDIATE SPACER	$186.03	$213.93	100 EA	50	17.0	17	194
034481004578	S289PLN	5" X 3" INTERMEDIATE SPACER	$231.12	$265.79	100 EA	30	12.2	17	194
034481004585	S289RHN	6" X 1-1/2" INTERMEDIATE SPACER	$285.73	$328.59	100 EA	50	16.7	17	194
034481004592	S289RJN	6" X 2" INTERMEDIATE SPACER	$300.36	$345.41	100 EA	40	15.0	17	194
034481004608	S289RLN	6" X 3" INTERMEDIATE SPACER	$324.50	$373.18	100 EA	30	13.3	17	194
034481057208	S500	ROLL PLASTIC FILM TAPE 3M-4742 2 x 36 YD	$82.26	$94.60	1 EA	24	5	63	187
034481057222	S530	4 STRAPS SPLIT USE (WIT-120L)	$83.58	$96.12	1 EA	60	1	63	187
781207031491	SB14105	1/4"x5000' SLICKBRAID ROPE 1700 LB.	$1,610.00	$1,851.50	1 EA	5000	99.8	63	192
034481126003	SSLL	STAINLESS STEEL LATCH LNG	$21.33	$24.53	1 EA	25	4.3	18	87
034481126133	SSLS	STAINLESS STEEL LATCH SHR	$21.33	$24.53	1 EA	25	3.4	18	87
781207032610	TL14505	1/2"x5000' NEPTCO POLY TAPE 1250 LBS.	$677.45	$779.07	1 EA	5000	46.9	63	192
781207032627	TL14510	1/2"x10000' NEPTCO POLY TAPE 1250 LBS.	$1,201.35	$1,381.55	1 EA	10000	93.0	63	192
781207036397	TL38203	5/8"x 3000' NEPTCO POLY TAPE 1800 LBS.	$514.87	$592.10	1 EA	3000	45.6	63	192
781207036403	TL38210	5/8"x 10000' NEPTCO POLY TAPE 1800 LBS.	$1,716.22	$1,973.65	1 EA	10000	131.0	63	192
781207036410	TL38265	5/8"x 6500' NEPTCO POLY TAPE 1800 LBS.	$1,136.20	$1,306.63	1 EA	6500	89.0	63	192
034481224365	UA0ODC	1/2" SCH 40 U BEND	$9.89	$11.37	1 EA	50	11.5	Q	
034481079835	UA3AD	1/2" SCH 40 STD 11-1/4° ELBOW	$7.52	$8.65	1 EA	1	0.1	2	145
034481079842	UA3AE	3/4" SCH 40 STD 11-1/4° ELBOW	$8.30	$9.55	1 EA	1	0.1	2	145
034481079927	UA3AF	1" SCH 40 STD 11-1/4° ELBOW	$12.94	$14.88	1 EA	1	0.2	2	145
034481079934	UA3AG	1-1/4" SCH 40 STD 11-1/4° ELBOW	$17.11	$19.68	1 EA	1	0.2	2	145
034481337713	UA3AH	1-1/2" SCH 40 STD 11-1/4° ELBOW	$17.88	$20.56	1 EA	1	0.3	2	145
034481337737	UA3AJ	2" SCH 40 STD 11-1/4° ELBOW	$34.09	$39.20	1 EA	1	0.4	2	145
034481337751	UA3AK	2-1/2" SCH 40 STD 11-1/4° ELBOW	$28.68	$32.98	1 EA	1	0.7	2	145
034481337768	UA3AL	3" SCH 40 STD 11-1/4° ELBOW	$35.84	$41.22	1 EA	1	1.2	2	145
034481079941	UA3AM	3-1/2" SCH 40 STD 11-1/4° ELBOW	$152.62	$175.51	1 EA	1	1.6	2	145
034481224488	UA3AN	4" SCH 40 STD 11-1/4° ELBOW	$67.37	$77.48	1 EA	1	1.9	2	145
034481337775	UA3AP	5" SCH 40 STD 11-1/4° ELBOW	$109.18	$125.56	1 EA	1	3.2	2	145

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034481224518	UA3AR	6" SCH 40 STD 11-1/4° ELBOW	$170.83	$196.45	1 EA	1	5.4	2	145
034481224532	UA3DJ	2" SCH 40 11-1/4° X 24" ELBOW	$21.36	$24.56	1 EA	1	0.5	13	149
034481080763	UA3DJB	2" SCH 40 11-1/4° X 24" ELBOW-BELLED	$15.54	$17.87	1 EA	25	15.7	13	150
034481337829	UA3DL	3" SCH 40 11-1/4° X 24" ELBOW	$21.55	$24.78	1 EA	1	1.6	13	149
034481080794	UA3DLB	3" SCH 40 11-1/4° X 24" ELBOW-BELLED	$26.47	$30.44	1 EA	1	1.6	13	150
034481080800	UA3DM	3-1/2" SCH 40 11-1/4° X 24" ELBOW	$26.96	$31.00	1 EA	1	2.0	13	149
034481224549	UA3DN	4" SCH 40 11-1/4° X 24" ELBOW	$33.68	$38.73	1 EA	1	2.2	13	149
034481080824	UA3DNB	4" SCH 40 11-1/4° X 24" ELBOW-BELLED	$41.30	$47.50	1 EA	1	2.2	13	150
034481337867	UA3FJ	2" SCH 40 11-1/4° X 36" ELBOW	$18.16	$20.88	1 EA	1	0.7	13	149
034481081050	UA3FJB	2" SCH 40 11-1/4° X 36" ELBOW-BELLED	$17.87	$20.55	1 EA	1	0.8	13	150
034481337881	UA3FL	3" SCH 40 11-1/4° X 36" ELBOW	$25.32	$29.12	1 EA	1	1.9	13	149
034481224600	UA3FN	4" SCH 40 11-1/4° X 36" ELBOW	$39.36	$45.26	1 EA	1	2.6	13	149
034481224617	UA3FNB	4" SCH 40 11-1/4° X 36" ELBOW-BELLED	$46.98	$54.03	1 EA	1	3.4	13	150
034481224631	UA3FP	5" SCH 40 11-1/4° X 36" ELBOW	$61.11	$70.28	1 EA	1	3.9	13	149
034481081111	UA3FPB	5" SCH 40 11-1/4° X 36" ELBOW-BELLED	$79.99	$91.99	1 EA	1	4.5	13	150
034481224648	UA3FR	6" SCH 40 11-1/4° X 36" ELBOW	$92.42	$106.28	1 EA	1	5.1	13	149
034481081128	UA3FRB	6" SCH 40 11-1/4° X 36" ELBOW-BELLED	$116.56	$134.04	1 EA	1	6.8	13	150
034481081180	UA3HJ	2" SCH 40 11-1/4° X 48" ELBOW	$18.43	$21.19	1 EA	1	0.1	13	149
034481081203	UA3HK	2-1/2" SCH 40 11-1/4° X 48" ELBOW	$23.06	$26.52	1 EA	1	1.8	13	149
034481081227	UA3HL	3" SCH 40 11-1/4° X 48" ELBOW	$28.82	$33.14	1 EA	1	2.4	13	149
034481079866	UA3HM	3-1/2" SCH 40 11-1/4° X 48" ELBOW	$36.03	$41.43	1 EA	1	2.6	13	149
034481337935	UA3HN	4" SCH 40 11-1/4° X 48" ELBOW	$45.04	$51.80	1 EA	1	3.1	13	149
034481079880	UA3HNB	4" SCH 40 11-1/4° X 48" ELBOW-BELLED	$52.64	$60.54	1 EA	1	3.3	13	150
034481145981	UA3HP	5" sch40 11 1/4 x 48" elbow	$68.45	$78.72	1 EA	1	5.5	13	149
034481224686	UA3HR	6" SCH 40 11-1/4° X 48" ELBOW	$103.50	$119.03	1 EA	1	5.8	13	149
034481337966	UA3IJSD	2" SPLIT DUCT 11-1/4° X 60" SWEEP	$59.32	$68.22	1 EA	1	1.0	17	187
034481337973	UA3ILSD	3" SPLIT DUCT 11-1/4° X 60" SWEEP	$107.59	$123.73	1 EA	1	3.6	17	187
034481337980	UA3INSD	4" SPLIT DUCT 11-1/4° X 60" SWEEP	$127.02	$146.07	1 EA	1	5.1	17	187
034481338116	UA3SNB	4 SCH40 111/4DX150R SWP	$182.65	$210.28	1 EA	1	7.3	17	
034481079910	UA5AD	1/2" SCH 40 STD 22-1/2° ELBOW	$7.52	$8.65	1 EA	1	0.1	2	145
034481225201	UA5AE	3/4" SCH 40 STD 22-1/2° ELBOW	$8.30	$9.55	1 EA	1	0.1	2	145
034481225218	UA5AF	1" SCH 40 STD 22-1/2° ELBOW	$12.94	$14.88	1 EA	1	0.2	2	145
034481338338	UA5AG	1-1/4" SCH 40 STD 22-1/2° ELBOW	$31.59	$36.33	1 EA	1	0.3	2	145
034481225249	UA5AH	1-1/2" SCH 40 STD 22-1/2° ELBOW	$23.93	$27.52	1 EA	1	0.3	2	145
034481225263	UA5AJ	2" SCH 40 STD 22-1/2° ELBOW	$22.97	$26.42	1 EA	25	12.6	2	145
034481225270	UA5AJB	2" SCH 40 STD 22-1/2° ELBOW-BELLED	$32.01	$36.81	1 EA	1	0.5	2	146
034481225287	UA5AK	2-1/2" SCH 40 STD 22-1/2° ELBOW	$28.68	$32.98	1 EA	20	19.7	2	145
034481225300	UA5AL	3" SCH 40 STD 22-1/2° ELBOW	$35.84	$41.22	1 EA	5	7.8	2	145
034481225317	UA5ALB	3" SCH 40 STD 22-1/2° ELBOW-BELLED	$45.65	$52.50	1 EA	1	1.6	2	146
034481338352	UA5AM	3-1/2" SCH 40 STD 22-1/2° ELBOW	$53.88	$61.96	1 EA	1	1.6	2	145
034481225331	UA5AN	4" SCH 40 STD 22-1/2° ELBOW	$70.07	$80.58	1 EA	1	2.6	2	145
034481225348	UA5ANB	4" SCH 40 STD 22-1/2° ELBOW-BELLED	$82.62	$95.01	1 EA	1	2.6	2	146
034481225355	UA5AP	5" SCH 40 STD 22-1/2° ELBOW	$109.18	$125.56	1 EA	1	4.2	2	145
034481079613	UA5APB	5" SCH 40 STD 22-1/2° ELBOW-BELLED	$146.87	$168.90	1 EA	1	4.5	2	146
034481225379	UA5AR	6" SCH 40 STD 22-1/2° ELBOW	$170.83	$196.45	1 EA	1	4.2	2	145
034481225386	UA5ARB	6" SCH 40 STD 22-1/2° ELBOW-BELLED	$233.16	$268.13	1 EA	1	4.2	2	146
034481068631	UA5CJ	2" SCH 40 22-1/2° X 18" ELBOW	$11.46	$13.18	1 EA	1	0.8	13	149
034481198000	UA5CJB	2" SCH 40 22-1/2° X 18" ELBOW-BELLED	$15.48	$17.80	1 EA	1	0.8	13	150
034481068648	UA5CK	2-1/2" SCH 40 22-1/2° X 18" ELBOW	$14.33	$16.48	1 EA	1	1.4	13	149

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034481068655	UA5CL	3" SCH 40 22-1/2° X 18" ELBOW	$17.90	$20.59	1 EA	1	1.9	13	149
034481198024	UA5CLB	3" SCH 40 22-1/2° X 18" ELBOW-BELLED	$43.93	$50.52	1 EA	1	1.9	13	150
034481068693	UA5DJ	2" SCH 40 22-1/2° X 24" ELBOW	$13.80	$15.87	1 EA	1	0.8	13	149
034481198055	UA5DJB	2" SCH 40 22-1/2° X 24" ELBOW-BELLED	$15.54	$17.87	1 EA	25	20.9	13	150
034481068709	UA5DK	2-1/2" SCH 40 22-1/2° X 24" ELBOW	$17.26	$19.85	1 EA	1	1.7	13	149
034481068716	UA5DL	3" SCH 40 22-1/2° X 24" ELBOW	$21.55	$24.78	1 EA	1	2.1	13	149
034481198079	UA5DLB	3" SCH 40 22-1/2° X 24" ELBOW-BELLED	$42.94	$49.38	1 EA	1	2.1	13	150
034481068723	UA5DM	3-1/2" SCH 40 22-1/2° X 24" ELBOW-BELLED	$26.96	$31.00	1 EA	1	2.7	13	149
034481068730	UA5DN	4" SCH 40 22-1/2° X 24" ELBOW	$33.68	$38.73	1 EA	1	3.2	13	149
034481197713	UA5DNB	4" SCH 40 22-1/2° X 24" ELBOW-BELLED	$41.30	$47.50	1 EA	1	2.3	13	150
034481225447	UA5DPB	5 SCH 40 221/2D 24R GRAY	$13.55	$15.58	1 EA	1	4.4		150
034481338413	UA5EJ	2" SCH 40 22-1/2° X 30" ELBOW	$14.41	$16.57	1 EA	1	1.1	13	149
034481055693	UA5EJB	2" SCH 40 22-1/2° X 30" ELBOW-BELLED	$16.14	$18.56	1 EA	1	1.0	13	150
034481054955	UA5EK	2-1/2" SCH 40 22-1/2° X 30" ELBOW	$17.99	$20.69	1 EA	1	2.3	13	149
034481054979	UA5EL	3" SCH 40 22-1/2° X 30" ELBOW	$22.42	$25.78	1 EA	1	2.4	13	149
034481054986	UA5EM	3-1/2" SCH 40 22-1/2° X 30" ELBOW	$28.14	$32.36	1 EA	1	1.0	13	149
034481068822	UA5EN	4" SCH 40 22-1/2° X 30" ELBOW	$35.16	$40.43	1 EA	1	3.6	13	149
034481197782	UA5ENB	4" SCH 40 22-1/2° X 30" ELBOW-BELLED	$42.77	$49.19	1 EA	1	3.6	13	150
034481068839	UA5EP	5" SCH 40 22-1/2° X 30" ELBOW	$54.58	$62.77	1 EA	1	5.2	13	149
034481197799	UA5EPB	5" SCH 40 22-1/2° X 30" ELBOW-BELLED	$73.44	$84.46	1 EA	1	5.2	13	150
034481054634	UA5FF	1" SCH 40 22-1/2° X 36" ELBOW	$7.75	$8.91	1 EA	1	0.6	13	149
034481054887	UA5FG	1-1/4" SCH 40 22-1/2° X 36" ELBOW	$10.30	$11.85	1 EA	1	0.7	13	149
034481054917	UA5FH	1-1/2" SCH 40 22-1/2° X 36" ELBOW	$19.33	$22.23	1 EA	1	0.8	13	149
034481055679	UA5FHB	1-1/2" SCH 40 22-1/2° X 36" ELBOW-BELLED	$13.88	$15.96	1 EA	1	0.8	13	150
034481068877	UA5FJ	2" SCH 40 22-1/2° X 36" ELBOW	$16.13	$18.55	1 EA	1	1.1	13	149
034481197829	UA5FJB	2" SCH 40 22-1/2° X 36" ELBOW-BELLED	$17.87	$20.55	1 EA	1	1.1	13	150
034481068884	UA5FK	2-1/2" SCH 40 22-1/2° X 36" ELBOW	$20.15	$23.17	1 EA	1	2.3	13	149
034481068907	UA5FL	3" SCH 40 22-1/2° X 36" ELBOW	$25.21	$28.99	1 EA	1	2.8	13	149
034481197843	UA5FLB	3" SCH 40 22-1/2° X 36" ELBOW-BELLED	$30.10	$34.62	1 EA	1	2.8	13	150
034481068914	UA5FM	3-1/2" SCH 40 22-1/2° X 36" ELBOW	$31.50	$36.23	1 EA	1	3.4	13	149
034481068921	UA5FN	4" SCH 40 22-1/2° X 36" ELBOW	$38.62	$44.41	1 EA	1	4.2	13	149
034481197867	UA5FNB	4" SCH 40 22-1/2° X 36" ELBOW-BELLED	$46.09	$53.00	1 EA	1	4.6	13	150
034481068938	UA5FP	5" SCH 40 22-1/2° X 36" ELBOW	$61.11	$70.28	1 EA	1	5.7	13	149
034481197874	UA5FPB	5" SCH 40 22-1/2° X 36" ELBOW-BELLED	$79.99	$91.99	1 EA	1	5.7	13	150
034481068945	UA5FR	6" SCH 40 22-1/2° X 36" ELBOW	$92.42	$106.28	1 EA	1	7.4	13	149
034481197881	UA5FRB	6" SCH 40 22-1/2° X 36" ELBOW-BELLED	$116.56	$134.04	1 EA	1	9.4	13	150
034481054948	UA5HJ	2" SCH 40 22-1/2° X 48" ELBOW	$25.33	$29.13	1 EA	1	1.4	13	149
034481054962	UA5HK	2-1/2" SCH 40 22-1/2° X 48" ELBOW	$23.06	$26.52	1 EA	1	2.6	13	149
034481068891	UA5HL	3" SCH 40 22-1/2° X 48" ELBOW	$28.82	$33.14	1 EA	1	3.5	13	149
034481054993	UA5HM	3-1/2" SCH 40 22-1/2° X 48" ELBOW	$36.03	$41.43	1 EA	1	1.0	13	149
034481069010	UA5HN	4" SCH 40 22-1/2° X 48" ELBOW	$45.04	$51.80	1 EA	1	5.0	13	149
034481197959	UA5HNB	4" SCH 40 22-1/2° X 48" ELBOW-BELLED	$56.88	$65.41	1 EA	1	5.0	13	150
034481069041	UA5HP	5" SCH 40 22-1/2° X 48" ELBOW	$68.45	$78.72	1 EA	1	7.0	13	149
034481197966	UA5HPB	5" SCH 40 22-1/2° X 48" ELBOW-BELLED	$87.33	$100.43	1 EA	1	7.5	13	150
034481069027	UA5HR	6" SCH 40 22-1/2° X 48" ELBOW	$103.50	$119.03	1 EA	1	9.1	13	149
034481197973	UA5HRB	6" SCH 40 22-1/2° X 48" ELBOW-BELLED	$127.65	$146.80	1 EA	1	9.2	13	150
034481225553	UA5IN	4" SCH 40 22-1/2° X 60" ELBOW	$67.95	$78.14	1 EA	1	6.1	13	149
034481338567	UA5INSD	4" SPLIT DUCT 22-1/2° X 60" SWEEP	$134.87	$155.10	1 EA	1	6.1	17	187
034481338574	UA5IP	6" SCH 40 22-1/2° X 48" ELBOW-BELLED	$128.73	$148.04	1 EA	1	8.9	13	

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481225584	UA5IR	6" SCH 40 22-1/2° X 60" ELBOW	$140.74	$161.85	1 EA	1	12.0	13	149
034481089643	UA5RR	6 SCH 40 22-1/2DX144R SWP	$175.42	$201.73	1 EA	1	22.8	13	149
034481225713	UA5SN	4" SCH 40 22-1/2° X 150° GREY	$125.37	$144.18	1 EA	1	12.6	13	149
034481225720	UA5SNB	4" SCH 40 22-1/2# X 150 SWEEP BELLED	$40.13	$46.15	1 EA	1	12.6	13	150
034481225751	UA5SP	5" SCH 40 22-1/2# X 150° GREY	$173.83	$199.90	1 EA	1	16.8	13	149
034481120827	UA5SR	6" SCH 40 22-1/2° X 150° ELBOW	$200.33	$230.38	1 EA	1	4.1	13	149
034481225812	UA5UNB	4" SCH 40 22-1/2# X 240 SWEEP BELLED	$41.90	$48.19	1 EA	1	18.7	13	150
034481111498	UA5VJ	2" SCH 40 22-1/2° X 300° ELBOW	$64.59	$74.28	1 EA	1	7.5	13	149
034481121060	UA5VL	3" SCH 40 22-1/2° X 300° ELBOW	$67.21	$77.29	1 EA	1	16.3	13	149
034481225904	UA5VNB	4" SCH 40 22-1/2# X 300 SWEEP BELLED	$100.37	$115.43	1 EA	1	24.4	13	150
034481225928	UA5VPB	5" SCH 40 22-1/2# X 300 SWEEP	$130.95	$150.59	1 EA	1	31.7	13	150
034481338734	UA5VR	6" SCH 40 22-1/2° X 300° SWEEP	$85.67	$98.52	1 EA	1	40.9	13	149
034481060819	UA6AD	1/2" SCH 40 STD 30° ELBOW	$2.14	$2.46	1 EA	50	4.7	2	145
034481054535	UA6ADB	1/2" SCH 40 STD 30° ELBOW	$4.62	$5.31	1 EA	50	4.7	2	146
034481060826	UA6AE	3/4" SCH 40 STD 30° ELBOW	$2.22	$2.55	1 EA	25	3.2	2	145
034481054542	UA6AEB	3/4" SCH 40 STD 30° ELBOW	$7.02	$8.07	1 EA	25	3.2	2	146
034481060833	UA6AF	1" SCH 40 STD 30° ELBOW	$2.69	$3.09	1 EA	25	5.5	2	145
034481054566	UA6AFB	1" SCH 40 STD 30° ELBOW	$22.19	$25.52	1 EA	1	0.2	2	146
034481060840	UA6AG	1-1/4" SCH 40 STD 30° ELBOW	$3.79	$4.36	1 EA	20	6.7	2	145
034481196389	UA6AGB	1-1/4" SCH 40 STD 30° ELBOW-BELLED	$24.88	$28.61	1 EA	20	6.6	2	146
034481060857	UA6AH	1-1/2" SCH 40 STD 30° ELBOW	$5.23	$6.01	1 EA	25	11.3	2	145
034481196396	UA6AHB	1-1/2" SCH 40 STD 30° ELBOW-BELLED	$22.61	$26.00	1 EA	1	0.4	2	146
034481060864	UA6AJ	2" SCH 40 STD 30° ELBOW	$7.66	$8.81	1 EA	20	13.1	2	145
034481196402	UA6AJB	2" SCH 40 STD 30° ELBOW-BELLED	$9.09	$10.45	1 EA	20	13.1	2	146
034481060871	UA6AK	2-1/2" SCH 40 STD 30° ELBOW	$14.54	$16.72	1 EA	10	13.8	2	145
034481196419	UA6AKB	2-1/2" SCH 40 STD 30° ELBOW-BELLED	$36.70	$42.21	1 EA	20	11.9	2	146
034481060888	UA6AL	3" SCH 40 STD 30° ELBOW	$24.76	$28.47	1 EA	1	1.9	2	145
034481196426	UA6ALB	3" SCH 40 STD 30° ELBOW-BELLED	$39.16	$45.03	1 EA	1	1.9	2	146
034481060895	UA6AM	3-1/2" SCH 40 STD 30° ELBOW	$28.03	$32.23	1 EA	1	2.4	2	145
034481196433	UA6AMB	3-1/2" SCH 40 STD 30° ELBOW-BELLED	$55.84	$64.22	1 EA	1	2.4	2	146
034481060901	UA6AN	4" SCH 40 STD 30° ELBOW	$39.54	$45.47	1 EA	1	3.1	2	145
034481196440	UA6ANB	4" SCH 40 STD 30° ELBOW-BELLED	$46.92	$53.96	1 EA	1	3.1	2	146
034481060925	UA6AP	5" SCH 40 STD 30° ELBOW	$66.26	$76.20	1 EA	1	5.2	2	145
034481196457	UA6APB	5" SCH 40 STD 30° ELBOW-BELLED	$83.13	$95.60	1 EA	1	5.2	2	146
034481060949	UA6AR	6" SCH 40 STD 30° ELBOW	$77.26	$88.85	1 EA	1	8.1	2	145
034481196464	UA6ARB	6" SCH 40 STD 30° ELBOW-BELLED	$16.70	$19.21	1 EA	1	8.1	2	146
034481068204	UA6CJ	2" SCH 40 30° X 18" ELBOW	$12.06	$13.87	1 EA	1	0.9	13	149
034481068211	UA6CK	2-1/2" SCH 40 30° X 18" ELBOW	$15.06	$17.32	1 EA	1	1.7	13	149
034481068228	UA6CL	3" SCH 40 30° X 18" ELBOW	$18.85	$21.68	1 EA	1	2.1	13	149
034481067269	UA6DJ	2" SCH 40 30° X 24" ELBOW	$14.51	$16.69	1 EA	1	1.1	13	149
034481055327	UA6DJB	2" SCH 40 30° X 24" ELBOW-BELLED	$16.25	$18.69	1 EA	1	1.1	13	150
034481081364	UA6DK	2-1/2" SCH 40 30° X 24" ELBOW	$18.16	$20.88	1 EA	1	2.0	13	149
034481067764	UA6DL	3" SCH 40 30° X 24" ELBOW	$33.96	$39.05	1 EA	1	2.5	13	149
034481197690	UA6DLB	3" SCH 40 30° X 24" ELBOW-BELLED	$27.61	$31.75	1 EA	1	2.5	13	150
034481054832	UA6DM	3-1/2" SCH 40 30° X 24" ELBOW	$28.39	$32.65	1 EA	1	3.3	13	149
034481067863	UA6DN	4" SCH 40 30° X 24" ELBOW	$35.46	$40.78	1 EA	1	3.8	13	149
034481068181	UA6FJ	2" SCH 40 30° X 36" ELBOW	$16.98	$19.53	1 EA	1	1.4	13	149
034481055358	UA6FJB	2" SCH 40 30° X 36" ELBOW-BELLED	$18.73	$21.54	1 EA	1	3.0	13	150
034481068280	UA6FL	3" SCH 40 30° X 36" ELBOW	$26.52	$30.50	1 EA	1	3.5	13	149

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481197447	UA6FLB	3" SCH 40 30° X 36" ELBOW-BELLED	$31.43	$36.14	1 EA	1	3.5	13	150
034481054856	UA6FM	3-1/2" SCH 40 30° X 36" ELBOW	$33.16	$38.13	1 EA	1	4.3	13	149
034481068389	UA6FN	4" SCH 40 30° X 36" ELBOW	$41.45	$47.67	1 EA	1	5.0	13	149
034481197461	UA6FNB	4" SCH 40 30° X 36" ELBOW-BELLED	$49.05	$56.41	1 EA	1	5.0	13	150
034481068433	UA6FP	5" SCH 40 30° X 36" ELBOW	$64.35	$74.00	1 EA	1	7.0	13	149
034481055570	UA6FPB	5" SCH 40 30° X 36" ELBOW-BELLED	$83.20	$95.68	1 EA	1	7.0	13	150
034481068488	UA6FR	6" SCH 40 30° X 36" ELBOW	$97.28	$111.87	1 EA	1	9.1	13	149
034481055587	UA6FRB	6" SCH 40 30° X 36" ELBOW-BELLED	$121.42	$139.63	1 EA	1	10.2	13	150
034481068198	UA6HJ	2" SCH 40 30° X 48" ELBOW	$19.41	$22.32	1 EA	1	1.8	13	149
034481055365	UA6HJB	2" SCH 40 30° X 48" ELBOW-BELLED	$21.16	$24.33	1 EA	1	1.9	13	150
034481068297	UA6HL	3" SCH 40 30° X 48" ELBOW	$30.34	$34.89	1 EA	1	4.3	13	149
034481197539	UA6HLB	3" SCH 40 30° X 48" ELBOW-BELLED	$35.27	$40.56	1 EA	1	4.3	13	150
034481054863	UA6HM	3-1/2" SCH 40 30° X 48" ELBOW	$37.93	$43.62	1 EA	1	5.2	13	149
034481068396	UA6HN	4" SCH 40 30° X 48" ELBOW	$47.40	$54.51	1 EA	1	6.3	13	149
034481197553	UA6HNB	4" SCH 40 30° X 48" ELBOW-BELLED	$55.00	$63.25	1 EA	1	6.3	13	150
034481068440	UA6HP	5" SCH 40 30° X 48" ELBOW	$72.06	$82.87	1 EA	1	8.8	13	149
034481197560	UA6HPB	5" SCH 40 30° X 48" ELBOW-BELLED	$90.92	$104.56	1 EA	1	8.5	13	150
034481068495	UA6HR	6" SCH 40 30° X 48" ELBOW	$108.95	$125.29	1 EA	1	11.1	13	149
034481055594	UA6HRB	6" SCH 40 30° X 48" ELBOW-BELLED	$133.09	$153.05	1 EA	1	11.2	13	150
034481060611	UA7AD	1/2" SCH 40 STD 45° ELBOW	$1.26	$1.45	1 EA	50	5.4	2	145
034481039006	UA7ADB	1/2" SCH 40 STD 45° ELBOW-BELLED	$1.72	$1.98	1 EA	50	5.3	2	146
034481039013	UA7AEB	3/4" SCH 40 STD 45° ELBOW-BELLED	$1.93	$2.22	1 EA	25	3.7	2	146
034481130048	UA7AER-CAR	3/4 SCH 40 45D STD R GRAY	$1.37	$1.58	1 EA	15	2.3	2	145
034481039020	UA7AFB	1" SCH 40 STD 45° ELBOW-BELLED	$3.05	$3.51	1 EA	20	5.6	2	146
034481130055	UA7AF-CAR	1 SCH 40 45D STD R GRAY	$2.18	$2.51	1 EA	15	4.2	2	145
034481060642	UA7AG	1-1/4" SCH 40 STD 45° ELBOW	$3.04	$3.50	1 EA	20	8.2	2	145
034481196297	UA7AGB	1-1/4" SCH 40 STD 45° ELBOW-BELLED	$4.22	$4.85	1 EA	20	8.2	2	146
034481060659	UA7AH	1-1/2" SCH 40 STD 45° ELBOW	$4.88	$5.61	1 EA	20	11.1	2	145
034481196303	UA7AHB	1-1/2" SCH 40 STD 45° ELBOW-BELLED	$5.72	$6.58	1 EA	20	11.1	2	146
034481067795	UA7AHL	1-1/2" SCH 40 METER RISER	$14.50	$16.68	1 EA	1	1.0	2	
034481130123	UA7AJB-CAR	2 SCH 40 45 D STD R GRAY	$8.13	$9.35	1 EA	4	3.1	2	146
034481130116	UA7AJ-CAR	2 SCH 40 45 D STD R GRAY	$6.12	$7.04	1 EA	4	3.1	2	145
034481226093	UA7AJL	2" SCH 40 45° X STD 8' LONG	$22.63	$26.02	1 EA	1	5.7	2	
034481339052	UA7AJL7	2" SCH 40 45° X STD 7' LONG	$21.99	$25.29	1 EA	1	5.3	2	
034481130147	UA7AKB-CAR	21/2 SCH 40 45D STD R GR	$18.55	$21.33	1 EA	5	1.6	2	146
034481130130	UA7AK-CAR	21/2 SCH 40 45D STD R GR	$11.86	$13.64	1 EA	5	1.6	2	145
034481226123	UA7AKL	2-1/2" SCH 40 45° X STD 8' LONG	$26.61	$30.60	1 EA	1	10.0	2	
034481339090	UA7AKL7	2-1/2" SCH 40 45° X STD 7' LONG	$29.74	$34.20	1 EA	1	8.7	2	
034481130161	UA7ALB-CAR	3 SCH 40 45D STD R GRAY	$25.54	$29.37	1 EA	10	2.3	2	146
034481130154	UA7AL-CAR	3" SCH 40 45D STD R GRAY	$19.10	$21.97	1 EA	5	2.3	2	145
034481060697	UA7AM	3-1/2" SCH 40 STD 45° ELBOW	$34.16	$39.28	1 EA	1	3.0	2	145
034481196341	UA7AMB	3-1/2" SCH 40 STD 45° ELBOW-BELLED	$33.93	$39.02	1 EA	20	61.2	2	146
034481060604	UA7AN	4" SCH 40 STD 45° ELBOW	$32.47	$37.34	1 EA	1	3.8	2	145
034481196358	UA7ANB	4" SCH 40 STD 45° ELBOW-BELLED	$41.09	$47.25	1 EA	20	76.4	2	146
034481060727	UA7AP	5" SCH 40 STD 45° ELBOW	$53.13	$61.10	1 EA	1	7.0	2	145
034481196365	UA7APB	5" SCH 40 STD 45° ELBOW-BELLED	$76.43	$87.89	1 EA	1	7.0	2	146
034481060741	UA7AR	6" SCH 40 STD 45° ELBOW	$101.67	$116.92	1 EA	1	10.7	2	145
034481196372	UA7ARB	6" SCH 40 STD 45° ELBOW-BELLED	$107.24	$123.33	1 EA	1	10.7	2	146
034481067603	UA7CF	1" SCH 40 45° X 18" ELBOW	$15.14	$17.41	1 EA	1	0.5	13	147

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481067610	UA7CG	1-1/4" SCH 40 45° X 18" ELBOW	$9.35	$10.75	1 EA	1	0.7	13	147
034481067627	UA7CH	1-1/2" SCH 40 45° X 18" ELBOW	$14.69	$16.89	1 EA	1	0.9	13	147
034481067634	UA7CJ	2" SCH 40 45° X 18" ELBOW	$12.69	$14.59	1 EA	1	1.2	13	147
034481196921	UA7CJB	2" SCH 40 45° X 18" ELBOW-BELLED	$14.44	$16.61	1 EA	1	1.2	13	148
034481067658	UA7CK	2-1/2" SCH 40 45° X 18" ELBOW	$42.41	$48.77	1 EA	1	2.1	13	147
034481067641	UA7CL	3" SCH 40 45° X 18" ELBOW	$19.83	$22.80	1 EA	1	2.8	13	147
034481196945	UA7CLB	3" SCH 40 45° X 18" ELBOW-BELLED	$24.75	$28.46	1 EA	1	2.8	13	148
034481067702	UA7DF	1" SCH 40 45° X 24" ELBOW	$12.06	$13.87	1 EA	1	0.6	13	147
034481067719	UA7DG	1-1/4" SCH 40 45° X 24" ELBOW	$30.00	$34.50	1 EA	1	0.9	13	147
034481067757	UA7DH	1-1/2" SCH 40 45° X 24" ELBOW	$15.74	$18.10	1 EA	1	1.0	13	147
034481067665	UA7DJ	2" SCH 40 45° X 24" ELBOW	$15.01	$17.26	1 EA	1	1.4	13	147
034481196976	UA7DJB	2" SCH 40 45° X 24" ELBOW-BELLED	$17.03	$19.58	1 EA	1	1.3	13	148
034481339229	UA7DJSD	2" SPLIT DUCT 45° X 24" SWEEP	$47.60	$54.74	1 EA	1	1.4	17	187
034481067818	UA7DK	2-1/2" SCH 40 45° X 24" ELBOW	$19.11	$21.98	1 EA	1	2.5	13	147
034481196983	UA7DKB	2-1/2" SCH 40 45° X 24" ELBOW-BELLED	$22.21	$25.54	1 EA	1	2.5	13	148
034481226260	UA7DL	3" SCH 40 45° X 24" ELBOW	$23.88	$27.46	1 EA	1	3.5	13	147
034481196990	UA7DLB	3" SCH 40 45° X 24" ELBOW-BELLED	$28.79	$33.11	1 EA	1	3.5	13	148
034481054696	UA7DM	3-1/2" SCH 40 45° X 24" SWEEP	$29.86	$34.34	1 EA	1	4.3	13	147
034481226277	UA7DN	4" SCH 40 45° X 24" ELBOW	$37.32	$42.92	1 EA	1	5.0	13	147
034481197010	UA7DNB	4" SCH 40 45° X 24" ELBOW-BELLED	$44.93	$51.67	1 EA	1	5.0	13	148
034481054573	UA7EF	1" SCH 40 EL 45° X 30" ELBOW	$7.73	$8.89	1 EA	1	0.8	13	147
034481054658	UA7EG	1-1/4" SCH 40 45° X 30" ELBOW	$10.22	$11.75	1 EA	1	1.1	13	147
034481054665	UA7EH	1-1/2" SCH 40 45° X 30" ELBOW	$42.41	$48.77	1 EA	1	1.3	13	147
034481067672	UA7EJ	2" SCH 40 45° X 30" ELBOW	$15.97	$18.37	1 EA	1	1.8	13	147
034481197041	UA7EJB	2" SCH 40 45° X 30" ELBOW-BELLED	$17.70	$20.36	1 EA	1	1.8	13	148
034481054689	UA7EK	2-1/2" SCH 40 45° X 30" ELBOW	$19.94	$22.93	1 EA	1	3.1	13	147
034481067771	UA7EL	3" SCH 40 45° X 30" ELBOW	$24.95	$28.69	1 EA	1	4.0	13	147
034481197065	UA7ELB	3" SCH 40 45° X 30" ELBOW-BELLED	$29.86	$34.34	1 EA	1	4.0	13	148
034481054702	UA7EM	3-1/2" SCH 40 45° X 30" ELBOW	$31.17	$35.85	1 EA	1	4.9	13	147
034481067870	UA7EN	4" SCH 40 45° X 30" ELBOW	$38.96	$44.80	1 EA	1	5.9	13	147
034481197089	UA7ENB	4" SCH 40 45° X 30" ELBOW-BELLED	$46.57	$53.56	1 EA	1	5.9	13	148
034481067924	UA7EP	5" SCH 40 45° X 30" ELBOW	$60.46	$69.53	1 EA	1	8.0	13	147
034481055266	UA7EPB	5" SCH 40 45° X 30" ELBOW-BELLED	$79.33	$91.23	1 EA	1	8.2	13	148
034481067817	UA7FF	1" SCH 40 45° X 36" ELBOW	$8.67	$9.97	1 EA	1	0.9	13	147
034481067580	UA7FG	1-1/4" SCH 40 45° X 36" ELBOW	$11.43	$13.14	1 EA	1	1.2	13	147
034481067955	UA7FH	1-1/2" SCH 40 45° X 36" ELBOW	$25.12	$28.89	1 EA	1	1.5	13	147
034481197119	UA7FHB	1-1/2" SCH 40 45° X 36" ELBOW-BELLED	$21.16	$24.33	1 EA	1	1.5	13	148
034481067689	UA7FJ	2" SCH 40 45° X 36" ELBOW	$17.87	$20.55	1 EA	1	2.1	13	147
034481197126	UA7FJB	2" SCH 40 45° X 36" ELBOW-BELLED	$19.61	$22.55	1 EA	1	2.2	13	148
781207218083	UA7FJSD	2" SCH 40 45° X 36" RADIUS SWEEP	$25.12	$28.89	1 EA	1	2.1	17	187
034481067733	UA7FK	2-1/2" SCH 40 45° X 36" ELBOW	$22.32	$25.67	1 EA	1	3.5	13	147
034481197133	UA7FKB	2-1/2" SCH 40 45° X 36" ELBOW-BELLED	$25.42	$29.23	1 EA	1	3.5	13	148
034481067788	UA7FL	3" SCH 40 45° X 36" ELBOW	$28.20	$32.43	1 EA	1	4.7	13	147
034481197140	UA7FLB	3" SCH 40 45° X 36" ELBOW-BELLED	$32.21	$37.04	1 EA	1	4.8	13	148
034481339328	UA7FLSD	3" SPLIT DUCT 45° X 36" SWEEP	$101.74	$117.00	1 EA	1	4.7	17	187
034481067801	UA7FM	3-1/2" SCH 40 45° X 36" ELBOW	$34.90	$40.14	1 EA	1	5.6	13	147
034481067887	UA7FN	4" SCH 40 45° X 36" ELBOW	$42.76	$49.17	1 EA	1	6.9	13	147
034481197164	UA7FNB	4" SCH 40 45° X 36" ELBOW-BELLED	$50.24	$57.78	1 EA	1	6.9	13	148
034481067931	UA7FP	5" SCH 40 45° X 36" ELBOW	$67.73	$77.89	1 EA	1	9.3	13	147

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481197171	UA7FPB	5" SCH 40 45° X 36" ELBOW-BELLED	$86.59	$99.58	1 EA	1	9.3	13	148
034481067986	UA7FR	6" SCH 40 45° X 36" ELBOW	$102.40	$117.76	1 EA	1	12.1	13	147
034481197188	UA7FRB	6" SCH 40 45° X 36" ELBOW-BELLED	$126.55	$145.53	1 EA	1	12.1	13	148
034481054580	UA7HF	1" SCH 40 45° X 48" ELBOW	$9.71	$11.17	1 EA	1	1.2	13	147
034481067979	UA7HG	1-1/4" SCH 40 45° X 48" ELBOW	$13.07	$15.03	1 EA	1	1.8	13	147
034481054672	UA7HH	1-1/2" SCH 40 45° X 48" ELBOW	$16.33	$18.78	1 EA	1	2.0	13	147
034481067696	UA7HJ	2" SCH 40 45° X 48" ELBOW	$22.86	$26.29	1 EA	1	2.6	13	147
034481226352	UA7HJB	2" SCH 40 45° X 48" ELBOW-BELLED	$22.19	$25.52	1 EA	1	2.6	13	148
034481339342	UA7HJSD	2" SPLIT DUCT 45° X 48" SWEEP	$75.08	$86.34	1 EA	1	2.7	17	187
034481067740	UA7HK	2-1/2" SCH 40 45° X 48" ELBOW	$25.55	$29.38	1 EA	1	4.6	13	147
034481197232	UA7HLB	3" SCH 40 45° X 48" ELBOW-BELLED	$36.84	$42.37	1 EA	1	6.1	13	148
034481339359	UA7HLSD	3" SPLIT DUCT 45° X 48" SWEEP	$114.47	$131.64	1 EA	1	6.1	17	187
034481067894	UA7HN	4" SCH 40 45° X 48" ELBOW	$49.88	$57.36	1 EA	1	8.6	13	147
034481197256	UA7HNB	4" SCH 40 45° X 48" ELBOW-BELLED	$57.49	$66.11	1 EA	1	8.6	13	148
034481067948	UA7HP	5" SCH 40 45° X 48" ELBOW	$158.47	$182.24	1 EA	1	11.9	13	147
034481197263	UA7HPB	5" SCH 40 45° X 48" ELBOW-BELLED	$94.70	$108.91	1 EA	1	12.4	13	148
034481067993	UA7HR	6" SCH 40 45° X 48" ELBOW	$114.67	$131.87	1 EA	1	15.4	13	147
034481197270	UA7HRB	6" SCH 40 45° X 48" ELBOW-BELLED	$138.84	$159.67	1 EA	1	15.4	13	148
034481339397	UA7IJSD	2" SPLIT DUCT 45° X 60" SWEEP	$80.62	$92.71	1 EA	1	3.2	17	187
034481339410	UA7ILSD	3" SPLIT DUCT 45° X 60" SWEEP	$141.63	$162.87	1 EA	1	7.2	17	187
034481339434	UA7INSD	4" SPLIT DUCT 45° X 60" SWEEP	$171.56	$197.29	1 EA	1	10.2	17	187
034481339588	UA7NNB	4" SCH 40 45# X 120 SWEEP	$86.55	$99.53	1 EA	1	20.0	13	148
034481226604	UA7NPB	5 PVC 45 SWP 120 RAD 103I	$46.81	$53.83	1 EA	1	25.9	13	
034481226758	UA7SN	4" SCH 40 45° X 150" ELBOW	$135.80	$156.17	1 EA	1	23.2	13	
034481226765	UA7SNB	4" SCH 40 45° X 150" ELBOW-BELLED	$90.02	$103.52	1 EA	1	23.0	13	148
034481226789	UA7SPB	5" SCH 40 45# X 150 SWEEP	$71.54	$82.27	1 EA	1	32.8	13	148
034481226987	UA9ADB	1/2" SCH 40 STD 90° ELBOW-BELLED	$1.79	$2.06	1 EA	50	7.8	2	146
034481130215	UA9ADR-CAR	1/2 SCH 40 90D RAD RETAIL	$1.36	$1.56	1 EA	25	4.1	2	145
034481060420	UA9AE	3/4" SCH 40 STD 90° ELBOW	$1.50	$1.73	1 EA	25	5.7	2	145
034481227014	UA9AEB	3/4" SCH 40 STD 90° ELBOW-BELLED	$2.02	$2.32	1 EA	25	7.9	2	146
034481060437	UA9AF	1" SCH 40 STD 90° ELBOW	$2.32	$2.67	1 EA	25	10.7	2	145
034481227045	UA9AFB	1" SCH 40 STD 90° ELBOW-BELLED	$3.15	$3.62	1 EA	25	11.3	2	146
034481060444	UA9AG	1-1/4" SCH 40 STD 90° ELBOW	$3.30	$3.80	1 EA	20	13.9	2	145
034481196204	UA9AGB	1-1/4" SCH 40 STD 90° ELBOW-BELLED	$4.40	$5.06	1 EA	20	14.1	2	146
034481060451	UA9AH	1-1/2" SCH 40 STD 90° ELBOW	$4.47	$5.14	1 EA	25	23.9	2	145
034481196211	UA9AHB	1-1/2" SCH 40 STD 90° ELBOW-BELLED	$5.92	$6.81	1 EA	25	22.3	2	146
034481196228	UA9AJB	2" SCH 40 STD 90° ELBOW-BELLED	$8.17	$9.40	1 EA	20	27.2	2	146
034481130307	UA9AJ-CAR	2 SCH 40 90D STD R GRAY	$6.49	$7.46	1 EA	5	7.1	2	145
034481339953	UA9AJCP	2 SCH 40 90D STD R	$223.81	$257.38	100 EA	1	1.3	2	
034481227106	UA9AJL	2" SCH 40 STD 90° ELBOW LONG	$15.54	$17.87	1 EA	1	1.6	2	
034481130338	UA9AKB-CAR	21/2 SCH 40 90D STD R BE	$18.01	$20.71	1 EA	10	2.6	2	146
034481130321	UA9AK-CAR	21/2 SCH 40 90D STD R GR	$11.33	$13.03	1 EA	10	2.5	2	145
034481060482	UA9AL	3" SCH 40 STD 90° ELBOW	$19.86	$22.84	1 EA	1	4.0	2	145
034481130352	UA9ALB-CAR	3 SCH 40 90D STD R BE GR	$25.33	$29.13	1 EA	5	5.1	2	146
034481060499	UA9AM	3-1/2" SCH 40 STD 90° ELBOW	$27.44	$31.56	1 EA	1	5.0	2	145
034481196259	UA9AMB	3-1/2" SCH 40 STD 90° ELBOW-BELLED	$33.63	$38.67	1 EA	20	111.2	2	146
034481060505	UA9AN	4" SCH 40 STD 90° ELBOW	$34.38	$39.54	1 EA	1	6.0	2	145
034481196266	UA9ANB	4" SCH 40 STD 90° ELBOW-BELLED	$42.86	$49.29	1 EA	1	7.0	2	146
034481060529	UA9AP	5" SCH 40 STD 90° ELBOW	$60.50	$69.58	1 EA	1	14.0	2	145

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481196273	UA9APB	5" SCH 40 STD 90° ELBOW-BELLED	$81.50	$93.73	1 EA	1	14.0	2	146
034481060543	UA9AR	6" SCH 40 STD 90° ELBOW	$102.45	$117.82	1 EA	1	20.0	2	145
034481196280	UA9ARB	6 " SCH 40 STD 90° ELBOW-BELLED	$129.35	$148.75	1 EA	1	19.0	2	146
034481067108	UA9CF	1" SCH 40 90° X 18" ELBOW	$10.21	$11.74	1 EA	1	0.9	13	147
034481227236	UA9CFB	1" SCH 40 90° X 18" ELBOW-BELLED	$12.89	$14.82	1 EA	1	0.9	13	148
034481340171	UA9CFCP	1 SCH 40 90D 18R SWP GRAY	$62.17	$71.50	100 EA	1	0.9	13	
034481227250	UA9CG	1-1/4" SCH 40 90° X 18" ELBOW	$14.38	$16.54	1 EA	1	1.2	13	147
034481196501	UA9CGB	1-1/4" SCH 40 90° X 18" ELBOW-BELLED	$13.99	$16.09	1 EA	1	1.2	13	148
034481067122	UA9CH	1-1/2" SCH 40 90° X 18" ELBOW	$10.76	$12.37	1 EA	1	1.5	13	147
034481196518	UA9CHB	1-1/2" SCH 40 90° X 18" ELBOW-BELLED	$15.40	$17.71	1 EA	1	1.5	13	148
034481067405	UA9CJ	2" SCH 40 90° X 18" ELBOW	$13.45	$15.47	1 EA	1	2.0	13	147
034481196525	UA9CJB	2" SCH 40 90° X 18" ELBOW-BELLED	$15.09	$17.35	1 EA	1	2.0	13	148
034481067146	UA9CK	2-1/2" SCH 40 90° X 18" ELBOW	$22.09	$25.40	1 EA	1	3.5	13	147
034481196532	UA9CKB	2-1/2" SCH 40 90° X 18" ELBOW-BELLED	$30.13	$34.65	1 EA	1	3.5	13	148
034481067153	UA9CL	3" SCH 40 90° X 18" ELBOW	$21.03	$24.18	1 EA	1	4.7	13	147
034481196549	UA9CLB	3" SCH 40 90° X 18" ELBOW-BELLED	$25.66	$29.51	1 EA	1	4.7	13	148
034481067412	UA9DF	1" SCH 40 90° X 24" ELBOW	$7.92	$9.11	1 EA	1	1.2	13	147
034481227311	UA9DFB	1" SCH 40 90° X 24" ELBOW-BELLED	$8.59	$9.88	1 EA	1	1.2	13	148
034481068068	UA9DG	1-1/4" SCH 40 90° X 24" ELBOW	$13.92	$16.01	1 EA	1	1.6	13	147
034481196556	UA9DGB	1-1/4" SCH 40 90° X 24" ELBOW-BELLED	$23.98	$27.58	1 EA	1	1.6	13	148
034481067115	UA9DH	1-1/2" SCH 40 90° X 24" ELBOW	$12.96	$14.90	1 EA	1	1.9	13	147
034481196563	UA9DHB	1-1/2" SCH 40 90° X 24" ELBOW-BELLED	$14.15	$16.27	1 EA	1	1.9	13	148
034481967163	UA9DJ	2" SCH 40 90° X 24" ELBOW	$16.20	$18.63	1 EA	1	2.6	13	147
034481227342	UA9DJBR	2" SCH 40 90# X 24" BELL CHAMFERED	$9.52	$10.95	1 EA	1	2.5	13	
034481082262	UA9DJB-UPC	2 SCH 40 90D 24R SWP BELL	$17.84	$20.52	1 EA	1	2.6	13	148
034481167211	UA9DK	2-1/2" SCH 40 90° X 24" ELBOW	$20.27	$23.31	1 EA	1	4.4	13	147
034481082279	UA9DKB-UPC	21/2 SCH 40 90D 24R SW BE	$23.18	$26.66	1 EA	1	4.3	13	148
034481227380	UA9DL	3" SCH 40 90° X 24" ELBOW	$25.33	$29.13	1 EA	1	6.0	13	147
034481082286	UA9DLB-UPC	3 SCH 40 90DX24R SWP BE	$29.97	$34.47	1 EA	1	6.1	13	148
034481067207	UA9DM	3-1/2" SCH 40 90° X 24" ELBOW	$31.66	$36.41	1 EA	1	7.3	13	147
034481196600	UA9DMB	3-1/2" SCH 40 90° X 24" ELBOW-BELLED	$61.20	$70.38	1 EA	1	7.3	13	148
034481067368	UA9DN	4" SCH 40 90° X 24" ELBOW	$40.04	$46.05	1 EA	1	8.6	13	147
034481196617	UA9DNB	4" SCH 40 90° X 24" ELBOW-BELLED	$46.75	$53.76	1 EA	1	8.6	13	148
034481067252	UA9EF	1" SCH 40 90° X 30" ELBOW	$18.23	$20.96	1 EA	1	1.4	13	147
034481079477	UA9EFB	1" SCH 40 90° X 30" ELBOW	$8.92	$10.26	1 EA	1	1.4	13	148
034481067306	UA9EG	1-1/4" SCH 40 90° X 30" ELBOW	$10.83	$12.45	1 EA	1	2.0	13	147
034481055006	UA9EGB	1-1/4" SCH 40 90° X 30" ELBOW-BELLED	$11.73	$13.49	1 EA	1	1.0	13	148
034481067313	UA9EH	1-1/2" SCH 40 90° X 30" ELBOW	$13.54	$15.57	1 EA	1	2.5	13	147
034481055181	UA9EHB	1-1/2" SCH 40 90° X 30" ELBOW-BELLED	$17.90	$20.59	1 EA	1	1.0	13	148
034481067177	UA9EJ	2" SCH 40 90° X 30" ELBOW	$16.92	$19.46	1 EA	1	3.3	13	147
034481196648	UA9EJB	2" SCH 40 90° X 30" ELBOW-BELLED	$18.57	$21.36	1 EA	1	3.3	13	148
034481067221	UA9EK	2-1/2" SCH 40 90° X 30" ELBOW	$21.14	$24.31	1 EA	1	5.4	13	147
034481196655	UA9EKB	2-1/2" SCH 40 90° X 30" ELBOW-BELLED	$24.06	$27.67	1 EA	1	4.8	13	148
034481227427	UA9EL	3" SCH 40 90° X 30" ELBOW	$26.43	$30.39	1 EA	1	7.2	13	147
034481196662	UA9ELB	3" SCH 40 90° X 30" ELBOW-BELLED	$31.07	$35.73	1 EA	1	7.2	13	148
034481067351	UA9EM	3-1/2" SCH 40 90° X 30" ELBOW	$33.04	$38.00	1 EA	1	8.7	13	147
034481055198	UA9EMB	3-1/2" SCH 40 90° X 30" ELBOW-BELLED	$38.28	$44.02	1 EA	1	1.0	13	148
034481067375	UA9EN	4" SCH 40 90° X 30" ELBOW	$41.30	$47.50	1 EA	1	10.3	13	147
034481196686	UA9ENB	4" SCH 40 90° X 30" ELBOW-BELLED	$48.48	$55.75	1 EA	1	10.3	13	148

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481340270	UA9ENB2	4" SCH 40 90 X 30 24 TANGENT	$66.46	$76.43	1 EA	1	15.1	13	
034481067429	UA9EP	5" SCH 40 90° X 30" ELBOW	$64.10	$73.72	1 EA	1	14.2	13	147
034481196693	UA9EPB	5" SCH 40 90° X 30" ELBOW-BELLED	$81.90	$94.19	1 EA	1	14.2	13	148
034481067320	UA9FF	1" SCH 40 90° X 36" ELBOW	$9.25	$10.64	1 EA	1	1.7	13	147
034481067504	UA9FG	1-1/4" SCH 40 90° X 36" ELBOW	$12.13	$13.95	1 EA	1	2.3	13	147
034481196709	UA9FGB	1-1/4" SCH 40 90° X 36" ELBOW-BELLED	$26.43	$30.39	1 EA	1	2.3	13	148
034481068136	UA9FH	1-1/2" SCH 40 90° X 36" ELBOW	$15.16	$17.43	1 EA	1	2.7	13	147
034481196716	UA9FHB	1-1/2" SCH 40 90° X 36" ELBOW-BELLED	$29.16	$33.53	1 EA	1	2.8	13	148
034481196723	UA9FJB	2" SCH 40 90D X 36" ELBOW-BELLED	$20.59	$23.68	1 EA	1	3.8	13	148
034481123385	UA9FJBR	2 90X36 W/CHAM&DEEP BELL	$20.59	$23.68	1 EA	1	3.8	13	
034481088950	UA9FJ-UPC	2 SCH 40 90D 36R SWP GRAY	$18.93	$21.77	1 EA	1	3.8	13	147
034481196730	UA9FKB	2-1/2" SCH 40 90° X 36" ELBOW-BELLED	$26.58	$30.57	1 EA	1	6.3	13	148
034481123330	UA9FKBR	2 1/2 SCH40 EL 90/CHAMFER	$26.59	$30.58	1 EA	1	6.3	13	
034481088967	UA9FK-UPC	21/2 SCH 40 90D 36R SW GR	$23.66	$27.21	1 EA	1	6.3	13	147
034481067283	UA9FL	3" SCH 40 90° X 36" ELBOW	$29.59	$34.03	1 EA	1	8.4	13	147
034481196747	UA9FLB	3" SCH 40 90° X 36" ELBOW-BELLED	$34.22	$39.35	1 EA	1	8.5	13	148
034481123323	UA9FLBR	3 90X36 ELBOW W/CHAMFER	$34.26	$39.40	1 EA	1	8.5	13	
034481067337	UA9FM	3-1/2" SCH 40 90° X 36" ELBOW	$62.13	$71.45	1 EA	1	10.2	13	147
034481196754	UA9FMB	3-1/2" SCH 40 90° X 36" ELBOW-BELLED	$139.91	$160.90	1 EA	1	10.2	13	148
034481067382	UA9FN	4" SCH 40 90° X 36" ELBOW	$46.23	$53.16	1 EA	1	12.2	13	147
034481196761	UA9FNB	4" SCH 40 90° X 36" ELBOW-BELLED	$53.40	$61.41	1 EA	1	12.6	13	148
034481067436	UA9FP	5" SCH 40 90° X 36" ELBOW	$71.78	$82.55	1 EA	1	16.6	13	147
034481196778	UA9FPB	5" SCH 40 90° X 36" ELBOW-BELLED	$89.59	$103.03	1 EA	1	17.3	13	148
034481067481	UA9FR	6" SCH 40 90° X 36" ELBOW	$108.56	$124.84	1 EA	1	21.8	13	147
034481196785	UA9FRB	6" SCH 40 90° X 36" ELBOW-BELLED	$131.31	$151.01	1 EA	1	21.8	13	148
034481067450	UA9HF	1" SCH 40 90° X 48" ELBOW	$19.61	$22.55	1 EA	1	2.3	13	147
034481067467	UA9HG	1-1/4" SCH 40 90° X 48" ELBOW	$27.11	$31.18	1 EA	1	3.0	13	147
034481067474	UA9HH	1-1/2" SCH 40 90° X 48" ELBOW	$24.34	$27.99	1 EA	1	3.6	13	147
034481067191	UA9HJ	2" SCH 40 90° X 48" ELBOW	$21.67	$24.92	1 EA	1	5.0	13	147
034481196815	UA9HJB	2" SCH 40 90° X 48" ELBOW-BELLED	$23.30	$26.80	1 EA	1	5.0	13	148
034481067245	UA9HK	2-1/2" SCH 40 90° X 48" ELBOW	$45.11	$51.88	1 EA	1	8.2	13	147
034481196822	UA9HKB	2-1/2" SCH 40 90° X 48" ELBOW-BELLED	$60.18	$69.21	1 EA	1	8.2	13	148
034481067290	UA9HL	3" SCH 40 90° X 48" ELBOW	$33.84	$38.92	1 EA	1	11.0	13	147
034481196839	UA9HLB	3" SCH 40 90° X 48" ELBOW-BELLED	$38.49	$44.26	1 EA	1	11.0	13	148
034481067344	UA9HM	3-1/2" SCH 40 90° X 48" ELBOW	$74.68	$85.88	1 EA	1	13.4	13	147
034481067399	UA9HN	4" SCH 40 90° X 48" ELBOW	$52.89	$60.82	1 EA	1	15.8	13	147
034481196853	UA9HNB	4" SCH 40 90° X 48" ELBOW-BELLED	$60.07	$69.08	1 EA	1	15.6	13	148
034481067443	UA9HP	5" SCH 40 90° X 48" ELBOW	$80.40	$92.46	1 EA	1	21.5	13	147
034481196860	UA9HPB	5" SCH 40 90° X 48" ELBOW-BELLED	$98.20	$112.93	1 EA	1	21.2	13	148
034481067498	UA9HR	6" SCH 40 90° X 48" ELBOW	$121.55	$139.78	1 EA	1	28.2	13	147
034481196877	UA9HRB	6" SCH 40 90° X 48" ELBOW-BELLED	$144.34	$165.99	1 EA	1	28.2	13	148
034481227595	UA9HT	8 SCH 40 90D X 48R SWP	$220.16	$253.18	1 EA	1	59.3	13	147
034481227663	UA9IN	4" SCH 40 90° X 60" ELBOW	$79.33	$91.23	1 EA	1	19.5	13	147
034481227670	UA9INB	4" SCH 40 90° X 60" SWEEP BELLED	$110.69	$127.29	1 EA	1	18.7	13	148
034481227687	UA9IP	5" SCH 40 90° X 60" ELBOW	$120.60	$138.69	1 EA	1	26.4	13	147
034481227694	UA9IPB	5 SCH 40 90D 60R SWP GRAY	$169.90	$195.39	1 EA	1	26.6	13	148
034481227700	UA9IR	6" SCH 40 90° X 60 SWEEP	$108.41	$124.67	1 EA	1	34.2	13	147
034481227717	UA9IRB	6 SCH 40 90D 60R SWP GRAY	$80.67	$92.77	1 EA	8	34.2	13	148
034481227786	UA9JN	4" SCH 40 90° X 72 SWEEP	$40.18	$46.21	1 EA	1	22.9	13	147

Vendor/UPC Number	Part Number	Description	List Price	Broken Carton Price	UOM	Std. Carton Qty.	Std. Carton Wt. (lbs.)	Price Sch. Code	Price Guide Page
034481158592	UAFAD	1/2" FLEXIBLE ELBOW-OFFSET 0-90°	$975.00	$1,121.25		8	1.6	13	145
034484458608	UAFAE	3/4" FLEXIBLE ELBOW-OFFSET 0-90°	$1,350.00	$1,552.50		6	2.1	13	145
034481158615	UAFAF	1" FLEXIBLE ELBOW-OFFSET 0-90°	$1,850.00	$2,127.50		6	3.6	13	145
034481063612	UB6AD	1/2" SCH 80 STD 30° ELBOW	$5.96	$6.85	1 EA	50	6.0	3	150
034481063629	UB6AE	3/4" SCH 80 STD 30° ELBOW	$6.06	$6.97	1 EA	25	4.0	3	150
034481063636	UB6AF	1" SCH 80 STD 30° ELBOW	$8.79	$10.11	1 EA	25	7.0	3	150
034481063643	UB6AG	1-1/4" SCH 80 STD 30° ELBOW	$25.41	$29.22	1 EA	5	2.5	3	150
034481063650	UB6AH	1-1/2" SCH 80 STD 30° ELBOW	$10.88	$12.51	1 EA	25	14.0	3	150
034481063667	UB6AJ	2" SCH 80 STD 30° ELBOW	$13.32	$15.32	1 EA	20	47.0	3	150
034481063674	UB6AK	2-1/2" SCH 80 STD 30° ELBOW	$25.28	$29.07	1 EA	1	1.5	3	150
034481063681	UB6AL	3" SCH 80 STD 30° ELBOW	$37.80	$43.47	1 EA	1	2.2	3	150
034481063704	UB6AN	4" SCH 80 STD 30° ELBOW	$54.39	$62.55	1 EA	1	3.8	3	150
034481063728	UB6AP	5" SCH 80 STD 30° ELBOW	$87.09	$100.15	1 EA	1	6.5	3	150
034481063742	UB6AR	6 SCH 80 30D STD R SWP	$131.87	$151.65	1 EA	1	11.6	3	150
034481063414	UB7AD	1/2" SCH 80 STD 45° ELBOW	$2.05	$2.36	1 EA	50	6.0	3	150
034481073529	UB7AE-UPC	3/4 SCH 80 45D STD R GRAY	$2.80	$3.22	1 EA	25	4.6	13	150
034481073765	UB7AF-UPC	1 SCH 80 45D STD R GRAY	$4.36	$5.01	1 EA	20	6.8	13	150
034481063445	UB7AG	1-1/4" SCH 80 STD 45° ELBOW	$6.02	$6.92	1 EA	20	9.8	3	150
034481130192	UB7AH-CAR	11/2 SCH 80 45D STD R GR	$8.48	$9.75	1 EA	5	3.6	3	150
034481073796	UB7AJ-UPC	2 SCH 80 45D STD R GRAY	$12.40	$14.26	1 EA	20	21.0	13	150
034481063476	UB7AK	2-1/2" SCH 80 STD 45° ELBOW	$23.52	$27.05	1 EA	20	37.0	3	150
034481063483	UB7AL	3" SCH 80 STD 45° ELBOW	$40.31	$46.36	1 EA	1	2.7	3	150
034481063506	UB7AN	4" SCH 80 STD 45° ELBOW	$58.26	$67.00	1 EA	1	4.7	3	150
034481063520	UB7AP	5" SCH 80 STD 45° ELBOW	$93.64	$107.69	1 EA	1	8.8	3	150
034481063735	UB7AR	6" SCH 80 STD 45° ELBOW	$154.81	$178.03	1 EA	1	14.3	3	150
034481055839	UB7CF	1" SCH 80 45° X 18" ELBOW	$10.28	$11.82	1 EA	1	0.7	13	151
034481055938	UB7CH	1-1/2" SCH 80 45° X 18" ELBOW	$12.81	$14.73	1 EA	1	1.2	13	151
034481193807	UB7CJ	2" SCH 80 45° X 18" ELBOW	$16.65	$19.15	1 EA	1	1.5	13	151
034481341123	UB7CL	3" SCH 80 45° X 18" ELBOW	$37.48	$43.10	1 EA	1	3.3	13	151
034481055846	UB7DF	1" SCH 80 45° X 24" ELBOW	$10.72	$12.33	1 EA	1	0.8	13	151
034481055891	UB7DG	1-1/4" SCH 80 45° X 20" ELBOW	$12.33	$14.18	1 EA	1	1.2	13	151
034481055945	UB7DH	1-1/2" SCH 80 45° X 24" ELBOW	$14.17	$16.30	1 EA	1	2.0	13	151
034481193852	UB7DJ	2" SCH 80 45° X 24" ELBOW	$18.43	$21.19	1 EA	1	2.1	13	151
034481056003	UB7DK	2-1/2" SCH 80 45° X 24" ELBOW	$27.64	$31.79	1 EA	1	3.2	13	151
034481088868	UB7DKL	2-1/2" SCH 80 45# X 24 SWEEP	$33.45	$38.47	1 EA	1	7.7	13	
034481194354	UB7DL	3" SCH 80 45° X 24" ELBOW	$58.97	$67.82	1 EA	1	4.5	13	151
034481194859	UB7DN	4" SCH 80 45° X 24" ELBOW	$53.89	$61.97	1 EA	1	6.1	13	151
034481055914	UB7FG	1-1/4" SCH 80 45° X 36" ELBOW	$13.98	$16.08	100 EA	1	1.7	13	151
034481193739	UB7FH	1-1/2" SCH 80 45° X 36" ELBOW	$17.41	$20.02	1 EA	1	2.1	13	151
034481193951	UB7FJ	2" SCH 80 45° X 36" ELBOW	$28.74	$33.05	1 EA	1	2.7	13	151
034481193746	UB7FK	2-1/2" SCH 80 45° X 36" ELBOW	$35.96	$41.35	1 EA	1	4.6	13	151
034481194453	UB7FL	3" SCH 80 45° X 36" ELBOW	$70.42	$80.98	1 EA	1	5.6	13	151
034481194958	UB7FN	4" SCH 80 45° X 36" ELBOW	$66.15	$76.07	1 EA	1	8.4	13	151
034481195207	UB7FP	5" SCH 80 45° X 36" ELBOW	$99.21	$114.09	1 EA	1	11.7	13	151
034481056072	UB7FR	6" SCH 80 45° X 36" ELBOW	$148.81	$171.13	1 EA	1	23.5	13	151
034481055877	UB7HF	1" SCH 80 45° X 48" ELBOW	$16.14	$18.56	1 EA	1	1.5	13	151
034481055921	UB7HG	1-1/4" SCH 80 45° X 48" ELBOW	$17.51	$20.14	1 EA	1	2.1	13	151
034481055983	UB7HJ	2" SCH 80 45° X 48" ELBOW	$3.81	$4.38	1 EA	1	3.5	13	151
034481194507	UB7HL	3" SCH 80 45° X 48" ELBOW	$71.58	$82.32	1 EA	1	7.2	13	151

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034481195009	UB7HN	4" SCH 80 45° X 48" ELBOW	$93.04	$107.00	1 EA	1	10.6	13	151
034481195252	UB7HP	5" SCH 80 45° X 48" ELBOW	$139.58	$160.52	1 EA	1	17.1	13	151
034481193845	UB7HR	6" SCH 80 45° X 48" ELBOW	$156.11	$179.53	1 EA	1	11.5	13	151
034481130383	UB9AD-CAR	1/2" SCH 80 STD 90# ELBOW	$2.05	$2.36	1 EA	25	4.6	3	150
034481130390	UB9AE-CAR	3/4" SCH 80 STD 90# ELBOW	$2.92	$3.36	1 EA	15	4.3	3	150
034481130406	UB9AF-CAR	1" SCH 80 STD 90# ELBOW	$4.45	$5.12	1 EA	10	5.0	3	150
034481130413	UB9AG-CAR	1-1/4" SCH 80 STD 90# ELBOW	$6.01	$6.91	1 EA	5	4.2	3	150
034481130420	UB9AH-CAR	1-1/2" SCH 80 STD 90# ELBOW	$8.85	$10.18	1 EA	5	5.7	3	150
034481130437	UB9AJ-CAR	2" SCH 80 STD 90# ELBOW	$11.97	$13.77	1 EA	5	8.7	3	150
034481130444	UB9AK-CAR	2-1/2" SCH 80 STD 90# ELBOW	$21.08	$24.24	1 EA	10	31.1	3	150
034481130451	UB9AL-CAR	3 SCH 80 90D STD R GRAY	$40.57	$46.66	1 EA	5	25.7	3	150
034481063308	UB9AN	4" SCH 80 STD 90° ELBOW	$66.22	$76.15	1 EA	1	7.5	3	150
034481063322	UB9AP	5" SCH 80 STD 90° ELBOW	$95.49	$110.96	1 EA	1	15.0	3	150
034481063759	UB9AR	6" SCH 80 STD 90° ELBOW	$194.49	$223.66	1 EA	1	24.6	3	150
034481190530	UB9CF	1" SCH 80 90° X 18" ELBOW	$10.89	$12.52	1 EA	1	1.1	13	151
034481190547	UB9CG	1-1/4" SCH 80 90° X 18" ELBOW	$17.51	$20.14	1 EA	1	1.6	13	151
034481190554	UB9CH	1-1/2" SCH 80 90° X 18" ELBOW	$14.40	$16.56	1 EA	1	2.0	13	151
034481190806	UB9CJ	2" SCH 80 90° X 18" ELBOW	$18.71	$21.52	1 EA	1	2.7	13	151
034481190813	UB9CK	2-1/2" SCH 80 90° X 18" ELBOW	$38.80	$44.62	1 EA	1	4.5	13	151
034481191308	UB9CL	3" SCH 80 90° X 18" ELBOW	$42.11	$48.43	1 EA	1	5.6	13	151
034481191063	UB9DF	1" SCH 80 90° X 24" ELBOW	$33.07	$38.03	1 EA	1	1.5	13	151
034481191070	UB9DG	1-1/4" SCH 80 90° X 24" ELBOW	$27.24	$31.33	1 EA	1	2.0	13	151
034481046837	UB9DH-UPC	11/2 SCH 80 90D 24R SW GR	$36.23	$41.66	1 EA	1	2.4	13	151
034481158868	UB9DJB	2" SCH 80 90 DEGREE X 24" ELBOW-BELLED	$22.00	$25.30	1 EA	1	3.4	13	151
034481046844	UB9DJ-UPC	2 SCH 80 90D 24R SWP GRAY	$20.70	$23.81	1 EA	1	3.4	13	151
034481341512	UB9DKB	21/2 SCH80 90DX24R SWP BE	$26.34	$30.29	1 EA	1	5.8	13	151
034481083207	UB9DK-UPC	21/2 SCH 80 90D 24R SW GR	$31.06	$35.72	1 EA	1	5.4	13	151
034481191353	UB9DL	3" SCH 80 90° X 24" ELBOW	$46.58	$53.57	1 EA	1	7.2	13	151
034481341529	UB9DLB	3" SCH 80 90 X 24" ELBOW-BELLED	$77.62	$89.26	1 EA	1	8.5	13	151
034481191858	UB9DN	4" SCH 80 90° X 24" ELBOW	$60.56	$69.64	1 EA	1	10.6	13	151
034481191216	UB9FF	1" SCH 80 90° X 36" ELBOW	$28.95	$33.29	1 EA	1	2.1	13	151
034481191223	UB9FG	1-1/4" SCH 80 90° X 36" ELBOW	$34.11	$39.23	1 EA	1	3.1	13	151
034481190707	UB9FH	1-1/2" SCH 80 90° X 36" ELBOW	$37.08	$42.64	1 EA	1	3.6	13	151
034481190950	UB9FJ	2" SCH 80 90° X 36" ELBOW	$25.41	$29.22	1 EA	1	4.9	13	151
034481191209	UB9FK	2-1/2" SCH 80 90° X 36" ELBOW	$38.11	$43.83	1 EA	1	7.7	13	151
034481111634	UB9FKB	2-1/2" SCH 80 90° X 36" ELBOW-BELLED	$63.81	$73.38	1 EA	1	7.7	13	151
034481191452	UB9FL	3" SCH 80 90° X 36" ELBOW	$57.17	$65.75	1 EA	1	10.1	13	151
034481229193	UB9FLB	3 SCH80 90DX36R BE SWP	$101.20	$116.38	1 EA	1	11.1	13	151
034481191957	UB9FN	4" SCH 80 90° X 36" ELBOW	$74.32	$85.47	1 EA	1	15.0	13	151
034481229216	UB9FNB	4 SCH80 90DX36R BE SWP	$79.18	$91.06	1 EA	1	16.4	13	151
034481192206	UB9FP	5" SCH 80 90° X 36" ELBOW	$122.52	$140.90	1 EA	1	20.8	13	151
034481191247	UB9FR	6" SCH 80 90° X 36" ELBOW	$167.14	$192.21	1 EA	1	29.1	13	151
034481191254	UB9HF	1" SCH 80 90° X 48" ELBOW	$48.01	$55.21	1 EA	1	2.8	13	151
034481191261	UB9HG	1-1/4" SCH 80 90° X 48" ELBOW	$19.68	$22.63	1 EA	1	3.9	13	151
034481191278	UB9HH	1-1/2" SCH 80 90° X 48" ELBOW	$22.63	$26.02	1 EA	1	4.7	13	151
034481191001	UB9HJ	2" SCH 80 90° X 48" ELBOW	$35.75	$41.11	1 EA	1	6.4	13	151
034481191292	UB9HK	2-1/2" SCH 80 90° X 48" ELBOW	$53.61	$61.65	1 EA	1	10.0	13	151
034481191506	UB9HL	3" SCH 80 90° X 48" ELBOW	$80.42	$92.48	1 EA	1	13.2	13	151
034481192008	UB9HN	4" SCH 80 90° X 48" ELBOW	$104.54	$120.22	1 EA	1	19.5	13	151

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034481229278	UB9HNB	4" SCH 80 90 X 48" ELBOW-BELLED	$220.86	$253.99	1 EA	1	21.4	13	151
034481192251	UB9HP	5" SCH 80 90° X 48" ELBOW	$170.45	$196.02	1 EA	1	27.0	13	151
034481229315	UB9HR	6" SCH 80 90° X 48" ELBOW	$175.43	$201.74	1 EA	1	37.6	13	151
034481341888	UC5CKB	21/2 UTIL40 221/2X18R SWP	$28.41	$32.67	1 EA	1	1.5	Q	168
034481229483	UC5FKB	2-1/2" SCH 40 22-1/2° X 36" ELBOW-BELLED	$35.33	$40.63	1 EA	1	2.5	Q	168
034481229490	UC5FNB	4 UTIL40 221/2X36 TC6 BE	$53.27	$61.26	1 EA	1	5.3	Q	168
034481229506	UC5FRB	6 UTIL40 221/2X36 TC6 BE	$129.82	$149.29	1 EA	1	11.8	Q	168
034481342038	UC7CKB	21/2 UTIL 40 45DX18R BELL	$26.34	$30.29	1 EA	1	2.3	Q	168
034481229544	UC7FHB	11/2 UTIL 40 45D 36R BELL	$36.69	$42.19	1 EA	1	1.7	Q	168
034481342113	UC7FJB	2" SCH 40 45° X 36" ELBOW-BELLED	$18.10	$20.82	1 EA	1	2.1	17	168
034481342120	UC7FJCP	2 UTIL 40 45D X 36R TC6	$994.70	$1,143.91	100 EA	1	2.2	Q	
034481229568	UC7FKB	2-1/2" SCH 40 45° X 36" ELBOW-BELLED	$35.88	$41.26	1 EA	1	4.1	Q	168
034481342137	UC7FLB	3" SCH 40 45° X 36" ELBOW-BELLED	$33.12	$38.09	1 EA	1	5.0	Q	168
034481342144	UC7FLCP	3 UTIL 40 45D X 36R TC6	$1,740.73	$2,001.84	100 EA	1	5.3	Q	
034481229599	UC7FNB	4" SCH 40 45° X 36" ELBOW-BELLED	$54.28	$62.42	1 EA	1	8.1	Q	168
034481342151	UC7FNCP	4 UTIL 40 45D X 36R TC6	$2,486.76	$2,859.77	100 EA	1	8.1	Q	
034481229612	UC7HRB	6 UTIL40 45DX48R TC6 BE	$141.68	$162.93	1 EA	1	17.2	Q	168
034481342168	UC7HRCP	6 UTIL 40 45DX48R TC 6	$6,216.90	$7,149.44	100 EA	1	17.2	Q	
034481342267	UC9BHB	1-1/2" SCH 40 90° X 12" ELBOW-BELLED	$26.13	$30.05	1 EA	20	25.0	Q	168
034481342274	UC9BJB	2" SCH 40 90° X 12" ELBOW-BELLED	$20.75	$23.86	1 EA	1	1.4	Q	168
034481229643	UC9DHB	1-1/2" SCH 40 90° X 24" ELBOW-BELLED	$15.31	$17.61	1 EA	1	2.1	Q	168
034481342328	UC9DJB	2" SCH 40 90° X 24" ELBOW-BELLED	$21.86	$25.14	1 EA	1	2.8	Q	168
034481342335	UC9DKB	2-1/2" SCH 40 90° X 24" ELBOW-BELLED	$19.27	$22.16	1 EA	1	5.0	Q	168
034481342342	UC9DLB	3" SCH 40 90° X 24" ELBOW-BELLED	$36.33	$41.78	1 EA	1	6.6	Q	168
034481229650	UC9DNB	4" SCH 40 90° X 24" ELBOW-BELLED	$61.19	$70.37	1 EA	1	10.6	Q	168
034481229667	UC9FHB	1-1/2" SCH 40 90° X 36" ELBOW-BELLED	$15.55	$17.88	1 EA	1	3.0	Q	168
034481229674	UC9FJB	2" SCH 40 90° X 36" ELBOW-BELLED	$31.09	$35.75	1 EA	1	4.1	Q	168
034481342427	UC9FJCP	2 UTIL 40 90D X 36R TC6	$1,492.06	$1,715.87	100 EA	1	4.1	Q	
034481229681	UC9FKB	2-1/2" SCH 40 90° X 36" ELBOW-BELLED	$26.11	$30.03	1 EA	1	7.2	Q	168
034481229698	UC9FLB	3" SCH 40 90° X 36" ELBOW-BELLED	$51.68	$59.43	1 EA	1	9.2	Q	168
034481342489	UC9FLCP	3 UTIL 40 90D X 36R TC6	$1,989.41	$2,287.82	100 EA	1	9.2	Q	
034481229711	UC9FNB	4" SCH 40 90° X 36" ELBOW-BELLED	$36.06	$41.47	1 EA	1	13.6	Q	168
034481342519	UC9FNCP	4 UTIL 40 90D X 36R TC2	$2,797.61	$3,217.25	100 EA	1	12.9	Q	
034481229728	UC9FRB	6" SCH 40 90° X 36" ELBOW-BELLED	$163.80	$188.37	1 EA	1	25.8	Q	168
034481342540	UC9HJB	2" SCH 40 90° X 48" ELBOW-BELLED	$48.06	$55.27	1 EA	1	5.1	Q	168
034481229735	UC9HNB	4" SCH 40 90 X 48" ELBOW-BELLED	$101.06	$116.22	1 EA	1	17.7	Q	168
034481229759	UC9HRB	6" SCH 40 90° X 48" ELBOW-BELLED	$203.51	$234.04	1 EA	1	32.2	Q	168
034481342557	UC9HRCP	6 UTIL 40 90D X 48R TC6	$69.63	$80.07	1 EA	1	32.2	Q	
034481229827	VC9902	QUART CLEAR PRIMER W/DAUBER	$1,105.79	$1,271.66	100 EA	12	24.7	16	188
034481229834	VC9903	PINT CLEAR PRIMER W/DAUBER	$674.81	$776.03	100 EA	24	25.4	16	188
034481069713	VC9922	QUART REGULAR GREY CEMENT	$1,058.34	$1,217.09	100 EA	12	27.3	16	188
034481069706	VC9923	PINT REGULAR GREY CEMENT	$633.95	$729.04	100 EA	24	27.8	16	188
034481069690	VC9924	1/2 PINT REGULAR GREY CEMENT	$445.20	$511.98	100 EA	10	6.4	16	188
034481040477	VC9932	QUART PURPLE PRIMER W/DAUBER	$1,072.85	$1,233.78	100 EA	12	28.2	16	188
034481069737	VC9941P	GALLON REGULAR GREY CEMENT	$4,388.40	$5,046.66	100 EA	6	49.8	16	188
034481050049	VC9961P	GALLON STANDARD CLEAR CEMENT	$4,383.10	$5,040.57	100 EA	6	53.8	16	188
034481050018	VC9962	QUART STANDARD CLEAR CEMENT	$1,014.84	$1,167.07	100 EA	12	28.2	16	188
034481050001	VC9963	PINT STANDARD CLEAR CEMENT	$606.27	$697.21	100 EA	24	28.6	16	188
034481050117	VC9964	1/2 PINT STANDARD CLEAR CEMENT	$439.90	$505.89	100 EA	10	6.1	16	188

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034481069799	VC9981P	GALLON QUICK SET CEMENT	$5,114.50	$5,881.68	100 EA	6	53.0	16	188
034481069775	VC9982	QUART QUICK SET CEMENT	$1,204.64	$1,385.34	100 EA	12	29.0	16	188
034481069768	VC9983	PINT QUICK SET CEMENT	$752.57	$865.46	100 EA	24	29.5	16	188
034481069744	VC9984	1/2 PINT QUICK SET CEMENT	$450.75	$518.36	100 EA	10	6.4	16	188
034481050056	VC9992	QUART ENT BLUE CEMENT W/BRUSH	$1,238.91	$1,424.75	100 EA	12	27.8	16	188
034481229940	VC9993	PINT ENT BLUE CEMENT W/BRUSH	$759.16	$873.03	100 EA	24	29.3	16	188
034481087571	VC9LV2	QUART LOW VOC CEMENT W/DAUBER	$1,412.87	$1,624.80	100 EA	12	26.1	16	188
034481071433	VC9LV3	PINT LOW VOC CEMENT W/DAUBER	$810.56	$932.14	100 EA	24	29.0	16	188
034481066606	VC9LV4	1/2 PINT LOW VOC CEMENT W/DAUBER	$503.47	$578.99	100 EA	10	7	16	188
034481147428	WCD3104	1/2" CARFLEX 3/#10 THHN STRANDED 4 FT.	$1,190.70	$1,369.31	100 EA	20	35.2	14	7
034481147497	WCD3106	1/2" carflex 3/#10 THHN STRANDED 6 FT.	$1,474.46	$1,695.63	100 EA	20	52.8	14	7
034481147473	WCD3124	1/2" CARFLEX 3/#12 THHN STRANDED 4 FT.	$1,107.24	$1,273.33	100 EA	20	32.4	14	7
034481147466	WCD3126	1/2" CARFLEX 3/#12 THHN STRANDED 6 FT.	$1,324.23	$1,522.86	100 EA	20	47.9	14	7
034481128359	WCD4	1/2 CARFLEX WHIP, 4 FEET	$1,441.52	$1,657.75	100 EA	6	10.6	14	7
034481128229	WCD6	WHIP, 1/2" CARFLEX, 6 FEET	$1,762.74	$2,027.15	100 EA	6	15.8	14	7
034481147480	WCE3084	3/4" CARFLEX 3/#8 THHN STRANDED 4 FT.	$1,869.50	$2,149.93	100 EA	15	30.9	14	7
034481147435	WCE3086	3/4" CARFLEX 3/ #8 THHN STRANDED 6 FT.	$2,315.74	$2,663.10	100 EA	15	39.6	14	7
034481128045	WCE4	WHIP, 3/4" CARFLEX, 4 FEET	$2,382.48	$2,739.85	100 EA	6	12.4	14	7
034481128052	WCE6	WHIP, 3/4" CARFLEX, 6 FEET	$2,869.42	$3,299.83	100 EA	6	15.8	14	7
034481118527	XK1	AUX CTS (1 N.O. & 1 N.C.) FOR NF400A	$119.74	$137.70	1 EA	1	0.2	18	99
034481118510	XK12	AUX CTS (1 N.O. & 1 N.C.) FOR NF200A	$86.81	$99.83	1 EA	1	0.2	18	99
034481118541	XK13	AUX CTS (2 N.O. & 2 N.C.) FOR NF200A	$155.66	$179.01	1 EA	1	0.3	18	99
034481118558	XK2	AUX CTS (2 N.O. & 2 N.C.) FOR NF400A	$203.56	$234.09	1 EA	1	0.3	18	99
034481110033	ZX102	HANDLE- CF30JA NF40A, NF80A, NF100A	$143.69	$165.24	1 EA	1	1	18	98
034481118633	ZX157	AUX CTS (1 N.O. & 1 N.C.) FOR CF30JA	$47.89	$55.07	1 EA	1	0.1	18	99
034481079804	ZX49	AUX CTS (1 N.O. & 1 N.C.) FOR NF40A	$53.88	$61.96	1 EA	1	0.2	18	99
034481089919	ZX50	AUX CTS (2 N.O. & 2 N.C.) FOR NF40A	$107.77	$123.94	1 EA	1	0.3	18	99
034481118503	ZX52	AUX CTS (1 N.O. & 1 N.C.) FOR NF100A	$53.88	$61.96	1 EA	1	0.2	18	99
034481118534	ZX53	AUX CTS (2 N.O. & 2 N.C.) FOR NF100A	$107.77	$123.94	1 EA	1	0.3	18	99
034481079811	ZX79	AUX CTS (1 N.O. & 1 N.C.) FOR NF80A	$53.88	$61.96	1 EA	1	0.2	18	99
034481089926	ZX80	AUX CTS (2 N.O. & 2 N.C.) FOR NF80A	$107.77	$123.94	1 EA	1	0.3	18	99
034481118695	ZXK1	AUX CTS (1 N.O. & 1 N.C.) F200JA & F400J	$119.74	$137.70	1 EA	1	0.1	18	99
034481118671	ZXK2	AUX CTS (2 N.O. & 2 N.C.) F200JA & F400J	$203.56	$234.09	1 EA	1	0.1	18	99
034481118640	ZXK7	AUX CTS (1 N.O. & 1 N.C.) F60JA & F100JA	$107.77	$123.94	1 EA	1	0.1	18	99

CARLON

CONDUIT AND DUCT PRICING

EFFECTIVE: AUGUST 3, 2001

X 1.03

	Sch 40*		Sch 80	
size	Catalog #	Price/c	Catalog #	Price/c
1/2"	49005	$ 5.73	49405	$ 10.39
3/4"	49007	$ 7.64	49407	$ 13.03
1"	49008	$ 11.07	49408	$ 20.09
1-1/4"	49009	$ 15.68	49409	$ 28.42
1-1/2"	49010	$ 18.42	49410	$ 32.35
2"	49011	$ 23.18	49411	$ 44.20
2-1/2"	49012	$ 41.45	49412	$ 74.92
3"	49013	$ 49.98	49413	$ 97.31
3-1/2"	49014	$ 63.21	N/A	N/A
4"	49015	$ 65.07	49415	$125.03
5"	49016	$100.07	49416	$202.22
6"	49017	$128.97	49417	$276.12

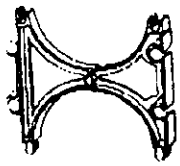
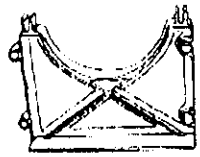
Prices are subject to change without notice. Any future change in bulk PVC resin prices may aff

* 596 series pricing same as SCH. 40

KRALOY®
The Fitting Choice

X.55

UL Listed except where noted with *

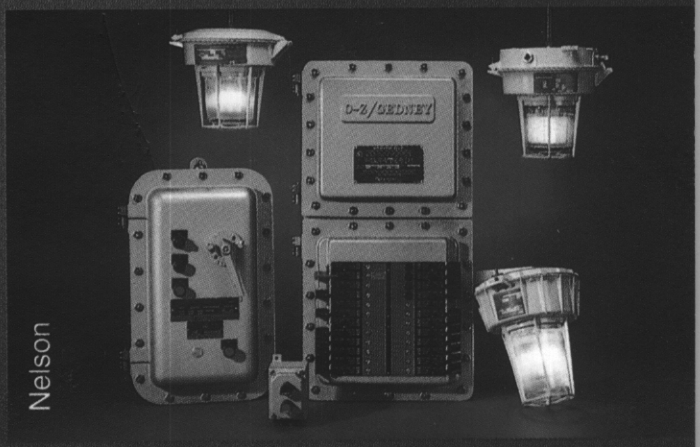
Description	Dimension (inches)	Part Number	Product Code	Price Per 100	Std. Pkg.	Wgt. /Pkg. (lbs.)
Intermediate Vertical-Lok Spacers						
	2 x 1 1/2	* IV2015	029550	$ 99.07	500	49.5
	2 x 2	* IV2020	029551	$ 107.13	325	35.8
	2 x 3	* IV2030	029552	$ 113.93	275	33.3
	3 x 1 1/2	* IV3015	029553	$ 107.70	250	33
	3 x 2	* IV3020	029554	$ 122.35	225	34.6
	3 x 3	* IV3030	029555	$ 125.27	160	28.2
	4 x 1	* IV4010	029556	$ 104.30	200	37
	4 x 1 1/2	* IV4015	029557	$ 120.26	180	35.6
	4 x 2	* IV4020	029558	$ 128.96	160	35.2
	4 x 3	* IV4030	029559	$ 150.78	125	34.4
	5 x 1 1/2	* IV5015	029560	$ 144.54	140	40
	5 x 2	* IV5020	029561	$ 151.07	100	30.8
	5 x 3	* IV5030	029562	$ 163.04	90	29.7
	6 x 1 1/2	* IV6015	029563	$ 151.34	100	38.5
	6 x 2	* IV6020	029564	$ 190.17	100	44
	6 x 3	* IV6030	029565	$ 270.52	75	23.6
Base Vertical-Lok Spacers						
	2 x 1 1/2	* BV2015	029566	$ 109.58	450	44.6
	2 x 2	* BV2020	029567	$ 130.52	325	35.8
	2 x 3	* BV2030	029568	$ 121.88	300	46.2
	3 x 1 1/2	* BV3015	029569	$ 123.44	250	41.3
	3 x 2	* BV3020	029570	$ 129.52	125	22
	3 x 3	* BV3030	029571	$ 136.53	190	35.5
	4 x 1	* BV4010	029572	$ 117.33	250	71.5
	4 x 1 1/2	* BV4015	029573	$ 132.08	180	55.5
	4 x 2	* BV4020	029574	$ 140.16	180	59.4
	4 x 3	* BV4030	029575	$ 153.96	150	51.2
	5 x 1 1/2	* BV5015	029576	$ 147.68	140	40
	5 x 2	* BV5020	029577	$ 156.87	120	37
	5 x 3	* BV5030	029578	$ 165.58	90	29.7
	6 x 1 1/2	* BV6015	029579	$ 171.60	100	34.1
	6 x 2	* BV6020	029580	$ 215.12	100	35.2
	6 x 3	* BV6030	029581	$ 269.96	90	36.8

Catalog 9700

Electrical Construction Materials

A UNIT OF GENERAL SIGNAL GS

O-Z/GEDNEY



O-Z/Gedney is a manufacturer of electrical safety products for commercial, industrial, hazardous and adverse environments. Our electrical fittings, enclosures & controls, industrial lighting, Nelson Firestop® products and Nelson Heat Trace systems are used worldwide.

Our mission is that we are committed to be a customer driven, worldwide supplier of electrical construction materials and related products "Doing The Right Things Right" to exceed our customers' expectations.

Each employee knows that satisfied customers provide our only security. Our success depends on your success. That's why we focus on designing, manufacturing and delivering world-class quality products and developing the customer service, technical leadership and applications support when and where you need it. Total solutions for today, with a vision of your needs for tomorrow.

O-Z/Gedney is ISO 9001 Registered for design and manufacturing of electrical fittings and enclosures. This registration validates us as one of an elite group of companies that meet the most demanding international quality standards.

Our 9700 Catalog is a comprehensive listing of over 15,000 products.
It features:
1. Our complete line of electrical conduit and cable fittings and cast junction boxes.
2. Our complete line of hazardous location products, featuring Nelson enclosures and controls, Nelson industrial lighting and all related conduit fittings for hazardous and adverse environments.
3. Our new line of steel EMT and Neer zinc diecast and commodity fittings.

For further information regarding our Nelson Firestop products and Nelson Heat Trace systems, please call 918-627-5530.

Product Description	Catalog Section
Form 7 Conduit Bodies & Covers	AA
Malleable Iron Conduit Bodies & Covers	AB
Aluminum Conduit Bodies & Covers	AC
Aluminum & Iron Moguls	AD
Iron & Aluminum FS/FD Boxes & Covers	AE
Malleable Iron Hazardous Location Fittings & Outlet Boxes	BA
Aluminum Hazardous Location Fittings & Outlet Boxes	BB
JMCX Cable Terminators	BC
Expansion/Deflection Fittings	CA
O-Z Specification Bushings	DA
Standard Bushings & Locknuts	DB
Rigid Conduit Fittings	EA
Set-Screw EMT Fittings	FA
Compression EMT Fittings	FB
Flexel™ Flexible EMT Fittings	FC
Miscellaneous EMT Fittings	FD
4Q, 4Q-4, 4Q-9 Liquidtight Connectors	GA
4QL Ground-Tite Connectors	GB
4Q Galvanized Connectors	GC
Grip-tite® & Gold Seal Strain Relief Connectors	HA
Aluminum Cord Grip Connectors	HB
NEER Zinc Die Cast Fittings	IA
Poke-Thru Fire-Seal®	JA
Speedlock™	KA
MC/AC Flex Metal Conduit Connectors	KB
Solderless Connectors	LA
Grounding Fittings	MA
Service Entrance Fittings	NA
Miscellaneous Products	PA
Cable Supports	QA
Cable Terminators/Sealing Bushings	RA
Thruwall and Floor Seals	SA
JMC MC Cable Connectors	TA
AC/MC Cable Terminators	TB
Cast Junction Boxes	UA
Nelson Hazardous Location Enclosures & Controls	V
Nelson Industrial Lighting	W
O-Z/Gedney Cross Reference	XA
Neer Zinc Die Cast Cross Reference	XB

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Product Description	Catalog Sections
Armored Cable/Flex. Metal/NM Cable Conn.	KB
Beam Clamps	EA
Bonding Jumpers	CA
Boxes, Cast Junction	UA
Braid Connectors, Flexible	LA
Bushing	
Insulated	DA,DB
Insulating	DA
Malleable	EA
Cable Supports	QA
Cable Supports, Wire Armored Cable	QA
Cable Terminators	TA,TB
Cable Terminators, Armored Metal Clad	TA,TB
Cable Tray Clamps	EA
Cast Iron/Aluminum Junction Boxes	UA
Combination Couplings	EA
Compound Bushings	RA
Compression Connectors and Couplings, EMT	FB
Conduit Bodies	AA,AB,AC
Conduit Sealing Bushings	RA
Conduit Ventilators	QA
Cord Grip Connectors	HA,HB
Couplings	EA
Cross Reference	XA
Cross Reference (diecast fittings)	XB
Deflection Fittings	CA
Drains and Breathers	BA
Duct Sealing Compound	PA
EMT Fittings	FA,FB,FC,FD
Elbows	EA,BA
Electroforms (concrete slab inserts)	EA
End Bells	EA
Expansion Fitting	CA
Form 7 Conduit Bodies	AA
Grounding Clamps and Devices	MA
Grounding and Bonding Jumpers	CA
Hangers, Conduit	EA
Hazardous Location	
Conduit Bodies	BA
Drains and Breathers	BA
Drain/Seal Fittings	BA
Enclosures & Controls	V
Expansion Conduit Unions	BA
Elbows, Capped	BA
Flexible Couplings	BA
Flex, Fixture Supports	BA
Lighting	W
Reducing Couplings	BA
Outlet Boxes and Accessories (Type GUA)	BA
Pull Box Fittings	BA
Sealing Compound and Fibre	BA
Sealing Fittings	BA
Sealing Hubs	BA

Product Description	Catalog Sections
Hazardous Location (continued)	
Terminator/Sealing Fittings	BC
Unions	BA
Unions, Swivel	BA
Hubs	EA
Insert Plugs	BA
Insulator Supports (beam clamps)	EA
Junction Boxes	UA
Junction Boxes (hazardous location)	V
Knockout Covers	EA
Lighting (industrial)	W
Liquidtight Fittings	GA,GB,GC
Nonmetallic	GA
With Wire Mesh Grips	GA
Locknuts, Conduit	DB
Locknuts, Sealing	DB
Lugs, Solderless	LA
Mogul Conduit Bodies	AD
Neer Zinc Diecast Fittings	IA
Nipples (offset)	EA
Outlet Boxes (FS/FD)	AE
Outlet Box Covers (FS/FD)	AE
Parallel Taps and Covers	LA
Plugs, Threaded Insert	BA
Pull Box Fittings	CA
Pulling Compound, Wire	PA
Pulling Elbows	AD,BA
Rigid Conduit Fittings	EA
Sealing Bushings	RA
Sealing and Pulling Compounds	PA
Service Entrance Fittings	NA
Setscrew Connectors and Couplings, EMT	FA
Solderless Connectors and Lugs	IA
Spacers, Conduit	EA
Split-Couplings	EA
Strain Relief Fittings	HA,HB
Supports, Conduit	QA
Thread Lubricant	BA
Thruwall and Floor Seals	SA
U-Bolts	UA
Washers, Reducing	DB
Wire Guard Easy Glide™	AA,AB

Flexel™ EMT Flexible Fittings

See Page FC1

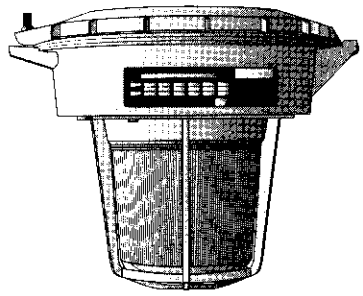
Use:
The Flexel is an innovative way in which to couple lengths of EMT together or connect EMT to a panel board, junction box, etc., when and where a change of direction is required in the conduit run.

Features:
- Easily hand-bendable from straight tubing to 90° (or any angle in between). No need to waste time lugging cumbersome bending machine into the field.
- Rigid enough to maintain configuration until manually re-formed.
- Specially designed so internal diameter remains unchanged, regardless of the bend configuration. Maintains compliance with NEC's minimum radius requirements.
- Bends and re-bends into virtually any configuration, including offset and compound angles.
- Isolates equipment vibration and allows for limited expansion and contraction.
- Suitable for use indoors or dry locations wherever EMT is used as a raceway.
- Safely conducts the maximum ground fault current required by UL, CSA and the National Electrical Code. No need to pull a separate grounding conductor.

Material/Finish:
Flexible Length: Strip Steel/Galvanized
End Fittings: Steel/Zinc Plate

CM Series Compact Fluorescent Lighting Fixtures - See Page W93

COMPLIANCES:
Class I, Div. 2, Groups A, B, C, D
Class I, Zone 2, Groups IIA, IIB, IIC
Class II, Div. 1, 2, Groups E, F, G
Class III
Marine - Outdoor
NEMA 4x (Suitable for Hose Down Area)
Enclosed and Gasketed



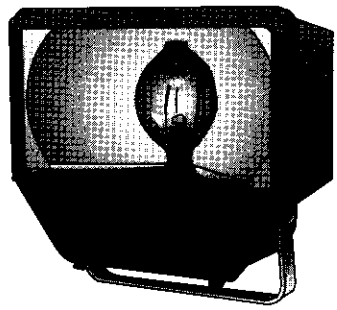
APPLICABLE THIRD PARTY STANDARDS:
UL Standard: 844, 595 and 1570
CSA Standard: C22.2 No. 137

AVAILABLE LIGHT SOURCES:
26-32-52-64Watt Compact Fluorescent

CH Series H.I.D. Hazardous Location Industrial/Marine Floodlights

See Page W113

COMPLIANCES:
Class I, Div. 2, Groups A, B, C, D
Marine - Outdoor
Enclosed & Gasketed



APPLICABLE THIRD PARTY STANDARDS:
UL Standard: 844, 1572 and 595

AVAILABLE LIGHT SOURCES:
70-1000W High Pressure Sodium
175-1000W Metal Halide
100-1000W Mercury Vapor

New Products
O-Z/Gedney's commitment to new products has been one of our trademarks over the years. The pace of new product introduction will continue in order to provide our customers with the best selection in the fittings industry.

Specials:
O-Z/Gedney's leadership in solving unique applications problems has been enhanced with our stepped-up emphasis on research and development. We welcome the opportunity to work with customers to develop problem solving products.

WE RESERVE THE RIGHT TO MAKE CHANGES IN DIMENSIONS AND ENGINEERING SPECIFICATIONS WITHOUT NOTICE.

DIMENSIONS AND DATA GIVEN IN THIS CATALOG HAVE BEEN CAREFULLY DETERMINED FOR GENERAL PURPOSES, BUT ARE NOT GUARANTEED. EXACT INFORMATION WILL BE FURNISHED UPON REQUEST.

The material in this catalog is grouped according to function and application, for ease in locating and selecting specific items. Wherever applicable, notations indicate certification by, or compliance with, standards of agencies such as;

UL . . . .Underwriters Laboratories
CSA . . .Canadian Standards Association
FM . . . .Factory Mutual System
NEC . . .National Electric Code
NEMA . .National Electrical Manufacturers Asso.
JIC . . . .Joint Industrial Conference
ANI . . . .American Nuclear Insurers
ASTM . .American Society for Testing Materials

Individual product listings provide details concerning materials, finishes and dimensions. Many listings also included suggested specifications, design and construction information as well as installation instructions and guides to assist in the selection of proper items.

Ferrous

The principal cast metals used by O-Z/Gedney to manufacture electrical fittings, enclosures and controls are malleable iron, ductile iron, gray iron, aluminum and copper alloys. The process of casting malleable iron products has been our focus since 1847. Gray iron, aluminum and copper alloys have been in our process for over 30 years. Ductile iron, a relatively newer material, was introduced to our manufacturing process in 1988. Each of these materials offers excellent characteristics for their specific application.

Malleable Iron

Malleable Iron has excellent elongation and deformation properties, corrosion resistance and shock absorption during impact. Its castability in thin sections results in a durable impact resistant material.

Mechanical Properties:

ASTM A47 32510
Tensile 50,000psi
Yield 32,500psi
Elongation 10%

ASTM A-197
Tensile 40,000psi
Yield 30,000psi
Elongation 5%

Ductile Iron

Ductile Iron has excellent elongation and deformation properties, corrosion resistance and shock absorption during impact. In heavy sections, ductile iron produces sound, uniform castings in a durable, impact resistant material.

Mechanical Properties:
ASTM A536 654512
Tensile 65,000psi
Yield 45,000psi
Elongation 12%

Gray Iron

Gray Iron has good corrosion resistance, excellent wear resistance and high vibration damping capacity. Yield and elongation properties are compensated with heavy wall sections.

Mechanical Properties:

ASTM A-48, Class 25
Tensile 25,000psi

ASTM A42, Class 30
Tensile 30,000psi

ASTM A 48, Class 45
Tensile 45,000psi

NOTE: The yield and elongation of gray iron is not specified because it is not a significant property of this metal.

Finish

To enhance the corrosion resistance of the base ferrous metals, each product is coated with one of the following processes: zinc electroplate, mechanical galvanizing, or hot-dip galvanizing. Many products with a standard zinc-electroplate finish are available with either a mechanical or hot-dip galvanized finish as an option.

Non-Ferrous

Aluminum

Copper-free aluminum (maximum 4/10 of 1% copper) provides good corrosion resistance in a lightweight durable material. It is not suitable for use where subject to attack by alkalis.

Mechanical Properties:

ASTM B26-82B

GS61 AA#3.1
Tensile 34,000psi
Yield 23,000psi
Elongation 5%

A360 AA#360.1
Tensile 46,000psi
Yield 24,000psi
Elongation 5%

A356 M#356.2
Tensile 37,000psi
Yield 27,000psi
Elongation 5%

AA# = Aluminum Association

Copper Alloys

Copper alloys provide excellent corrosion resistance and electrical and thermal conductivity.

Mechanical Properties:

CDA#C83450
Tensile 30,000psi
Yield 14,000psi
Elongation 25%

CDA#83300
Tensile 45,000psi
Yield 25,000psi
Elongation 25%

CDA# C83300
Tensile 32,000psi
Yield 9,500psi
Elongation 30%

CDA# C10100
Tensile 32,000psi
Yield 16,000psi
Elongation 60%

CDA# = Copper Development Association

Zinc Alloys

100% of Neer manufactured die cast fittings are made from Certified Zamak #3 zinc alloy.

The zinc alloys commonly known as Zamak alloys have been used for over 60 years in the die casting process. All are hypoeutectic (Aluminum levels less than 5% eutectic composition) and have a melting and casting temperatures low enough to make them suitable for the hot chamber die casting process, thereby providing the highest production rate and precision of all die cast metals.

Proper maintenance of chemical composition is critical for zinc alloys, especially regarding purity. Alloys manufactured for Neer use special high grade zinc (99.9% minimum zinc) as starting material to insure high purity. Care must be taken in the die casting plant and in any subsequent process to protect zinc alloys from contamination.

There are 7 Zamak alloys offering a variety of mechanical and physical properties. Zamak 3 is the industry recognized and most popular Zamak alloy as it has an ideal combination of castability, strength, precision, stability and finishing characteristics. Neer has always worked very closely with alloyer's of Zamak 3 respecting that the very tight specifications essential to the base metal directly correspond to the integrity of the end products.

Finish:

Most aluminum products have an aluminum enamel finish or a gray vinyl enamel applied over a zinc chromate wash primer.

For further information, please contact your local representative.

Product Index by Catalog Number, Section and Page Number

Catalog Number	Page
A	
A-50	DA5
A-75	DA5
A-100	DA5
A-125	DA5
A-150	DA5
A-200	DA5
A-250	DA5
A-300	DA5
A-350	DA5
A-400	DA5
A-500	DA5
A-600	DA5
AB-50	DA1
AB-75	DA1
AB-100	DA1
AB-125	DA1
AB-150	DA1
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AB-500	DA1
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ABB-75	DA5
ABB-100	DA5
ABB-125	DA5
ABB-150	DA5
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ABB-350	DA5
ABB-400	DA5
ABB-500	DA5
ABB-600	DA5
ABG-0204	MA6
ABG-0222	MA6
ABG-0304	MA6
ABG-0322	MA6
ABG-0325	MA6
ABG-0350	MA6
ABG-0704	MA6
ABG-0722	MA6
ABG-0725	MA6
ABG-0750	MA6
ABG-1104	MA6
ABG-1122	MA6
ABG-1125	MA6
ABG-1150	MA6
ABG-1204	MA6
ABG-1222	MA6
ABG-1225	MA6
ABG-1250	MA6
ABG-1504	MA6
ABG-1522	MA6
ABG-1525	MA6
ABG-1550	MA6
ABJ-10-14	CA8
ABJ-10-24	CA8
ABJ-12-14	CA8
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ABJ-40-14	CA8
ABJ-40-24	CA8
ABJ-50-14	CA8
ABJ-50-24	CA8
ABJ-60-24	CA8
ABJ-0507-14	CA8
ABJ-0507-24	CA8
ABLG-0504	DA3
ABLG-0522	DA3
ABLG-0704	DA3
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7N22	V59
7N24	V59
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7N28-PM	V59
7N30-PM	V59
7P06	V59
7P08	V59
7P10	V59
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7P14	V59
7P16	V59
7P18	V59
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7P22	V59
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7R02	V59
7S02	V59
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7T06EHD	V56
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7T24FDB	V56
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8-150T	BA33
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8-450T	BA33
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8-475T	BA33
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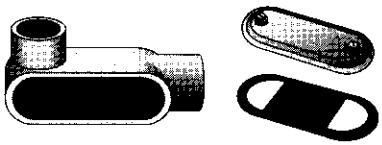
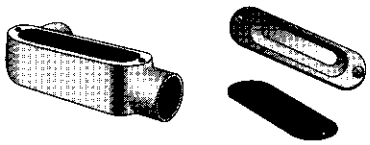
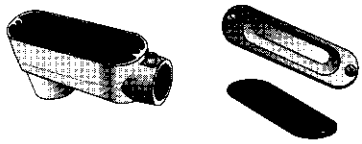


Form 7 Conduit Bodies AA1-AA5
Form 7 Covers AA6
Form 7 Gaskets AA6



Malleable Iron Conduit Bodies AB1-AB5
Covers & Gaskets AB6-AB7
Malleable Iron Conduit Body, Cover & Gasket Assemblies AB8



Aluminum Conduit Bodies for EMT AC1-AC3
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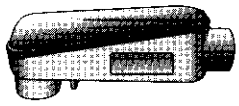
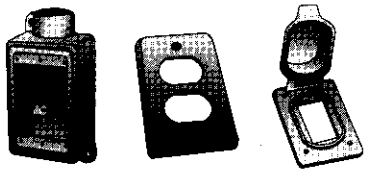
Aluminum Covers & Gaskets AC8
Aluminum Conduit Body, Cover & Gasket Assemblies AC9



Mogul Conduit Bodies AD1-AD2



FS/FD Cast Device Boxes AE1-AE3
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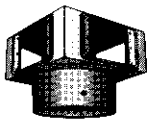
FS/FD Wet Location Covers AE5
FS/FD Gaskets AE5



OCB Outdoor Connection Box AE6

Form 7 Conduit Bodies

For Rigid Conduit & IMC

Types:
LB, LR, LL, L, E

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Tapered threaded hubs (NPT)
- Flat back design for greater wiring capacity.
- Complete interchangeability with other Form 7 conduit bodies.
- Internal volume and maximum wire clearly marked on castings
- Time-saving Clip-on™ covers in steel (patented) or gray iron.
- Easy-Glide™ wire guard for 1¼" trade size and larger are available, see Page AB7.

Material/Finish:
Gray Iron/Zinc Plated Aluminum Enamel
Copper-free Aluminum/Aluminum Enamel

Optional Finish:
Hot Dip Galvanized
Contact your local representative for pricing and availability

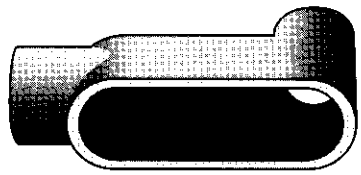
Third Party Certification:
UL Listed: E-18095
Suitable for wet locations when used with gasketed covers.

CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

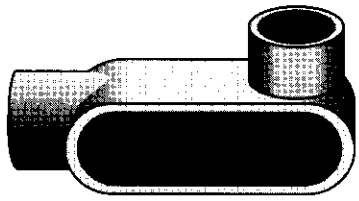
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed. Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Pages AA3, AA4

Trade Size (inches)	Catalog Number	Catalog Number
	Gray Iron	Aluminum
½	LB17	LB17-SA
¾	LB27	LB27-SA
1	LB37	LB37-SA
1¼	LB47	LB47-SA
1½	LB57	LB57-SA
2	LB67	LB67-SA
2½	LB77	LB77-SA
3	LB87	LB87-SA
3½	LB97	
4	LB107	
½	LR17	LR17-SA
¾	LR27	LR27-SA
1	LR37	LR37-SA
1¼	LR47	LR47-SA
1½	LR57	LR57-SA
2	LR67	LR67-SA
2½	LR77	
3	LR87	
3½	LR97	
4	LR107	
½	LL17	LL17-SA
¾	LL27	LL27-SA
1	LL37	LL37-SA
1¼	LL47	LL47-SA
1½	LL57	LL57-SA
2	LL67	LL67-SA
2½	LL77	
3	LL87	
3½	LL97	
4	LL107	
½	L17	
¾	L27	
1	L37	
1¼	L47	
1½	L57	
2	L67	
½	E17	E17-SA
¾	E27	E27-SA
1	E37	E37-SA



Type LB



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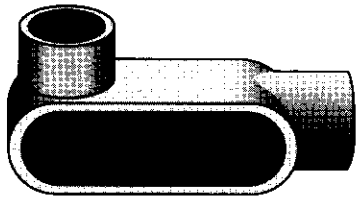
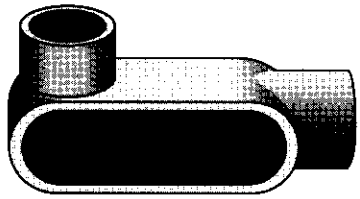
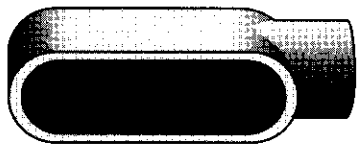


Type LL



Type L

(Provided with one blank steel cover)



Type E

Form 7 Conduit Bodies

For Rigid Conduit & IMC

Types:
T, TA, TB, X, C

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Tapered threaded hubs (NPT)
- Flat back design for greater wiring capacity.
- Complete interchangeability with other Form 7 conduit bodies.
- Internal volume and maximum wire clearly marked on castings
- Time-saving Clip-on™ covers in steel (patented) or gray iron.
- Easy-Glide™ wire guard for 1¼" trade size and larger are available, see Page AB7.

Material/Finish:
Gray Iron/Zinc Plate Aluminum Enamel
Copper-free Aluminum/Aluminum Enamel

Optional Finish:
Hot Dip Galvanized
Contact your local representative for pricing and availability

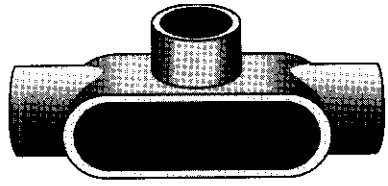
Third Party Certification:
UL Listed: E-18095
Suitable for wet locations when used with gasketed covers.

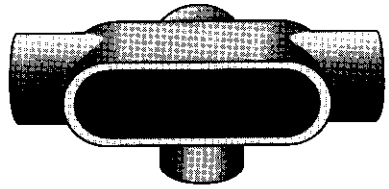
CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed. Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See pages AA4, AA5

Trade Size (inches)	Catalog Number	Catalog Number
	Gray Iron	Aluminum
½	T17	T17-SA
¾	T27	T27-SA
1	T37	T37-SA
1¼	T47	T47-SA
1½	T57	T57-SA
2	T67	T67-SA
2½	T77	
3	T87	
3½	T97	
4	T107	
½	TA17	
¾	TA27	
1	TA37	
1¼	TA47	
1½	TA57	
2	TA67	
½	TB17	TB17-SA
¾	TB27	TB27-SA
1	TB37	TB37-SA
1¼	TB47	TB47-SA
1½	TB57	TB57-SA
2	TB67	TB67-SA
½	X17	X17-SA
¾	X27	X27-SA
1	X37	X37-SA
1¼	X47	
1½	X57	
2	X67	
½	C17	C17-SA
¾	C27	C27-SA
1	C37	C37-SA
1¼	C47	C47-SA
1½	C57	C57-SA
2	C67	C67-SA
2½	C77	C77-SA
3	C87	C87-SA


Type T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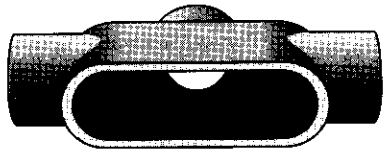
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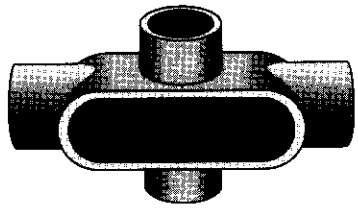
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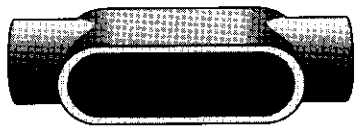
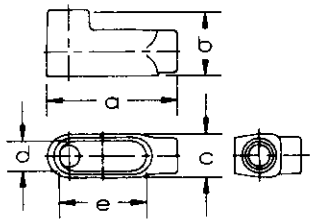

Type C

Form 7 Conduit Bodies

For Rigid Conduit & IMC

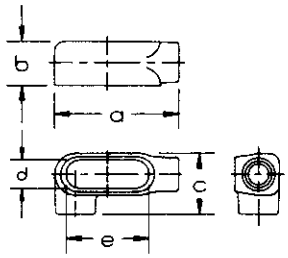
Dimensional Data:

Type LB



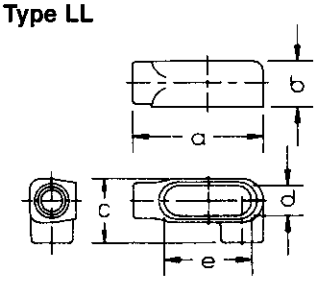
Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
LB17	½	4 9/16	2¼	1⅜	1 15/16	3 3/16	4	N/A
LB27	¾	5 3/16	2½	1 3/16	1⅛	3 13/16	6.9	3 #6AWG
LB37	1	6	2⅞	1¾	1⅜	4½	10.5	3 #4AWG
LB47	1¼	6½	3 5/16	2 3/16	1¾	5	19.3	3 #3AWG
LB57	1½	7⅛	3 11/16	2 7/16	1 15/16	5 7/16	26.5	3 #1AWG
LB67	2	8⅛	4¼	3	2 7/16	6⅜	46	3 #1/0AWG
LB77	2½	10½	5⅛	4¼	3 9/16	8⅜	102	3 #3/0AWG
LB87	3	10½	5⅞	4¼	3 9/16	8⅜	126	3 #3/0AWG
LB97	3½	12 11/16	6 9/16	5¼	4½	10¼	210	3 #300MCM
LB107	4	12 11/16	7 1/16	5¼	4½	10¼	238	3 #300MC

Type LR



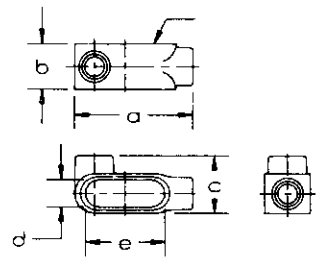
Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
LR17	½	4 9/16	1⅜	2¼	15/16	3 3/16	4	N/A
LR27	¾	5 3/16	1⅝	2 7/16	1⅛	3 13/16	6.9	3 #6AWG
LR37	1	6	1⅞	2¾	1⅜	4½	10.5	3 #4AWG
LR47	1¼	6½	2 5/16	3 3/16	1¾	5	19.5	3 #2AWG
LR57	1½	7⅛	2 9/16	3 9/16	1 15/16	5 7/16	27	3 #2AWG
LR67	2	8⅛	3⅛	4⅛	2 7/16	6⅜	50	3 #3/0AWG
LR77	2½	10½	3⅝	5¾	3 9/16	8⅜	102	3 #250MCM
LR87	3	10½	4⅜	5¾	3 9/16	8⅜	126	3 #250MCM
LR97	3½	12 11/16	4⅞	6 15/16	4½	10¼	210	3 #350MCM
LR107	4	12 11/16	5⅜	6 15/16	4½	10¼	238	3 #350MCM

Type LL



Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
LL17	½	4 9/16	1⅜	2¼	15/16	3 3/16	4	N/A
LL27	¾	5 3/16	1⅝	2 7/16	1⅛	3 13/16	6.9	3 #6AWG
LL37	1	6	1⅞	2¾	1⅜	4½	10.5	3 #4AWG
LL47	1¼	6½	2 5/16	3 3/16	1¾	5	19.5	3 #2AWG
LL57	1½	7⅛	2 9/16	3 9/16	1 15/16	5 7/16	27	3 #2AWG
LL67	2	8⅛	3⅛	4⅛	2 7/16	6⅜	50	3 #3/0AWG
LL77	2½	10½	3⅝	5¾	3 9/16	8⅜	102	3 #250MCM
LL87	3	10½	4⅜	5¾	3 9/16	8⅜	126	3 #250MCM
LL97	3½	12 11/16	4⅞	6 15/16	4½	10¼	210	3 #350MCM
LL107	4	12 11/16	5⅜	6 15/16	4½	10¼	238	3 #350MCM

Type L



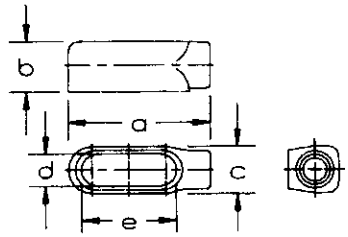
Catalog Number	Trade Size	Dimensions In Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
L17	½	4 9/16	1⅜	2¼	15/16	3 3/16	5	N/A
L27	¾	5 3/16	1¾	2 7/16	1⅛	3 13/16	8	3 #6AWG
L37	1	6	2	2¾	1⅜	4½	13	3 #4AWG
L47	1¼	6½	2½	3 3/16	1¾	5	22	3 #2AWG
L57	1½	7⅛	2¾	3 9/16	1 15/16	5 7/16	31	3 #2AWG
L67	2	8⅛	3¼	3¼	2 7/16	6⅜	54	3 #2AWG

Form 7 Conduit Bodies

For Rigid Conduit & IMC

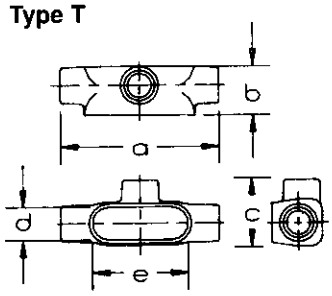
Dimensional Data:

Type E



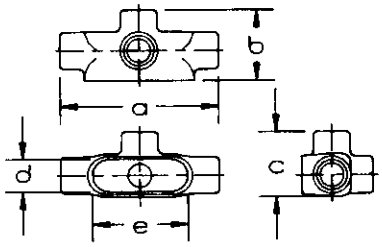
Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
E17	½	4 9/16	1 3/8	1 3/8	15/16	3 3/16	3.9	N/A
E27	¾	5 5/16	1 5/8	1 9/16	1 1/8	3 13/16	6.5	3 #6AWG
E37	1	6	1 7/8	1 3/4	1 3/8	4½	10	3 #4AWG

Type T



Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
T17	½	5 5/8	1 3/4	2 7/16	1 5/16	3 3/16	6	N/A
T27	¾	6 1/4	2	2 5/8	1 1/4	3 13/16	19.5	3 #6AWG
T37	1	7 1/4	2 1/4	3	1 3/8	4½	15	3 #4AWG
T47	1¼	7 7/16	2 5/16	3 3/16	1¾	5	20	3 #3AWG
T57	1½	8 3/16	2 9/16	3 9/16	1 15/16	5 7/16	27	3 #2AWG
T67	2	9 3/16	3 1/8	4 1/8	2 7/16	6 3/8	50	3 #2AWG
T77	2½	12	3 5/8	5 3/4	3 9/16	8 3/8	102	3 #1/0AWG
T87	3	12 1/16	4 3/8	5 3/4	3 9/16	8 3/8	126	3 #1/0AWG
T97	3½	14 5/16	4 7/8	6 15/16	4½	10¼	210	3 #3/0AWG
T107	4	14 5/16	5 3/8	6 15/16	4½	10¼	238	3 #3/0AWG

Type TA



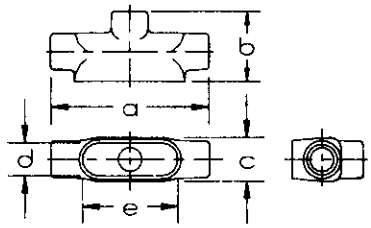
Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
TA17	½	5 5/8	2 5/8	2 7/16	1 5/16	3 3/16	6	N/A
TA27	¾	6 1/4	2 7/8	2 5/8	1 1/8	3 13/16	9.5	3 #6AWG
TA37	1	7 1/4	3 1/4	3	1 3/8	4½	15	3 #4AWG
TA47	1¼	7 7/16	3 5/16	3 3/16	1¾	5	20	3 #3AWG
TA57	1½	8 3/16	3 11/16	3 9/16	1 15/16	5 7/16	27	3 #2AWG
TA67	2	9 3/16	4 1/4	4 1/8	2 7/16	6 3/8	50	3 #2AWG

Form 7 Conduit Bodies

For Rigid Conduit & IMC

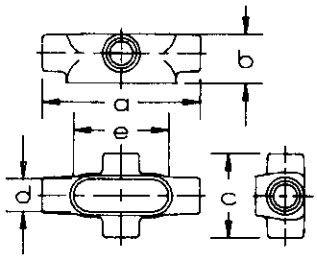
Dimensional Data:

Type TB



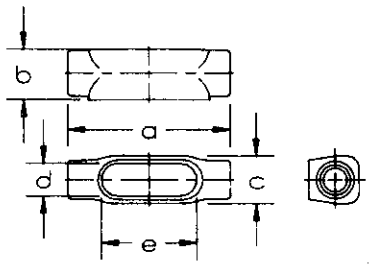
Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
TB17	½	5⅝	2⅝	1⁹⁄₁₆	⁵⁄₁₆	3⅜	6	N/A
TB27	¾	6¼	2⅞	1⅞	1⅛	3¹³⁄₁₆	9.5	3 #6AWG
TB37	1	7¼	3¼	2	1⅜	4½	15	3 #4AWG
TB47	1¼	7¹⁄₁₆	3⁵⁄₁₆	2³⁄₁₆	1¾	5	20	3 #3AWG
TB57	1½	8³⁄₁₆	3⅝	2⁷⁄₁₆	1¹⁵⁄₁₆	5⅞	27	3 #2AWG
TB67	2	9³⁄₁₆	4¼	3	2⁷⁄₁₆	6⅝	50	3 #2AWG

Type X



Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
X17	½	5⅝	1¾	3⁵⁄₁₆	⁵⁄₁₆	3⅜	6	N/A
X27	¾	6¼	2	3½	1⅛	3¹³⁄₁₆	9.5	3 #6AWG
X37	1	7¼	2¼	3⅞	1⅜	4½	15	3 #4AWG
X47	1¼	7¹⁄₁₆	2⁵⁄₁₆	4⅛	1¾	5	20	3 #3AWG
X57	1½	8³⁄₁₆	2⁵⁄₁₆	4⅝	1¹⁵⁄₁₆	5⅞	27	3 #2AWG
X67	2	9³⁄₁₆	3⅛	5⁵⁄₁₆	2⁷⁄₁₆	6⅝	50	3 #2AWG

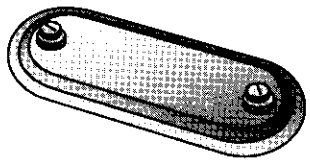
Type C



Catalog Number	Trade Size	Dimensions in Inches a	b	c	d	e	Volume Cu. In.	Max No. Conductors
C17	½	5⅜	1⅜	1⅜	⁵⁄₁₆	3⅜	4	N/A
C27	¾	6	1⅝	1⁹⁄₁₆	1⅛	3¹³⁄₁₆	6.9	3 #6AWG
C37	1	7	1⅞	1¾	1⅜	4½	10.5	3 #4AWG
C47	1¼	7¹⁄₁₆	2⁵⁄₁₆	2³⁄₁₆	1¾	5	20	3 #3AWG
C57	1½	8³⁄₁₆	2⁹⁄₁₆	2⁷⁄₁₆	1¹⁵⁄₁₆	5⅞	27	3 #2AWG
C67	2	9³⁄₁₆	3⅛	3	2⁷⁄₁₆	6⅝	50	3 #1/0AWG
C77	2½	12	3⅝	4¼	3⁹⁄₁₆	8⅜	102	3 #2/0AWG
C87	3	12	4⅜	4¼	3⁹⁄₁₆	8⅜	126	3 #2/0AWG

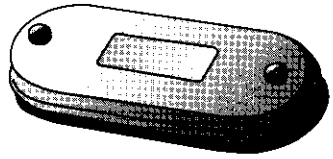
Covers & Gaskets

For Form 7 Conduit Bodies



Type 170

Type GASK



Type 170F

Stamped Steel Clip-on™ Cover

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Innovative design 1-piece clip design
- Easy installation
- Easy removal

Material/Finish:
Stamped Steel/Zinc, Pre-Galvanized
Stainless Steel Screws

Optional Material:
Aluminum
(add suffix -SA as shown below)

Third Party Certification:
UL Listed: E-18095
Suitable for wet locations when used with gasketed covers.

CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-568D
NEMA: FB-1

Trade Size (inches)	Catalog Number	Catalog Number
	Steel	Aluminum
½	170	170-SA
¾	270	270-SA
1	370	370-SA
1¼	470	470-SA
1½	570	570-SA
2	670	670-SA
2½-3	870	870-SA
3½-4	970	970-SA

Solid Cover Gasket

Use:
To provide a worry-free, rain tight seal when used with covers that have a heavy-duty cover screw washer.

Material:
Closed-Cell Neoprene

Trade Size (inches)	Catalog Number
½	GASK571
¾	GASK572
1	GASK573
1¼	GASK574
1½	GASK575
2	GASK576
2½-3	GASK578
3½-4	GASK579

Gray Iron Clip-on™ Cover

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Centering tabs
- Easy installation
- Easy removal

Material/Finish:
Gray Iron/Zinc Plated
Stainless Steel Screws
Zinc-Plated Clips

Optional Material
Cast Aluminum
(add suffix -SA as shown below)

Optional Finish
Hot Dip Galvanized
(consult your local representative)

Third Party Certification:
UL Listed: E-18095
Suitable for wet locations when used with gasketed covers.

CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-568D
NEMA: FB-1

Trade Size (inches)	Catalog Number	Catalog Number
	Gray Iron	Cast Aluminum
½	170F	170F-SA
¾	270F	270F-SA
1	370F	370F-SA
1¼	470F	470F-SA
1½	570F	570F-SA
2	670F	670F-SA
2½-3	870F	870F-SA
3½-4	970F	970F-SA

Malleable Iron Conduit Bodies

For Rigid Conduit & IMC

Types:
LL, LR, TB, X, C

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Tapered threaded hubs (NPT)
- Raintight when used with gasketed covers
- Malleable iron suitable for use in concrete
- Easy-Glide™ wire guard for 1¼" trade size and larger are available, see Page AB7.

Material/Finish:
Malleable Iron/
Zinc plated/Aluminum Enamel

Optional Finish:
Hot Dip Galvanized

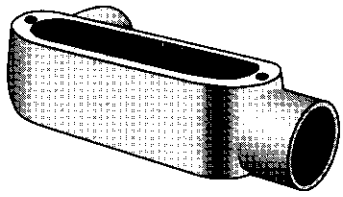
Third Party Certification:
UL Listed: E-18095
Suitable for wet locations when used with gasketed covers.

CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

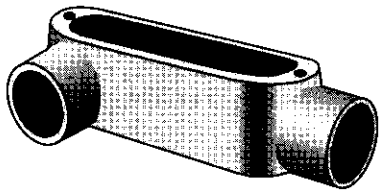
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Pages AB3, AB4

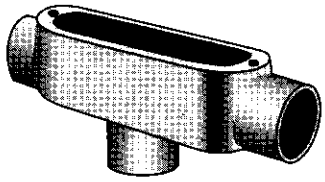
Trade Size (inches)	Catalog Number
	Malleable Iron Zinc Plated
½	LL-50
¾	LL-75
1	LL-100
1¼	LL-125
1½	LL-150
2	LL-200
2½	LL-250
3	LL-300
3½	LL-350
4	LL-400
½	LR-50
¾	LR-75
1	LR-100
1¼	LR-125
1½	LR-150
2	LR-200
2½	LR-250
3	LR-300
3½	LR-350
4	LR-400
½	TB-50
¾	TB-75
1	TB-100
1¼	TB-125
1½	TB-150
2	TB-200
½	X-50
¾	X-75
1	X-100
1¼	X-125
1½	X-150
2	X-200
½	C-50
¾	C-75
1	C-100
1¼	C-125
1½	C-150
2	C-200
2½	C-250
3	C-300
3½	C-350
4	C-400



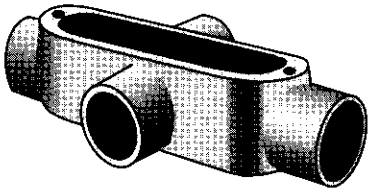
Type LL



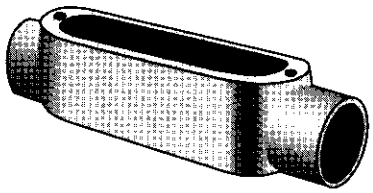
Type LR



Type TB



Type X



Type C

Malleable Iron Conduit Bodies

For Rigid Conduit & IMC

Types:
LB, T

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Tapered threaded hubs (NPT)
- Raintight when used with gasketed covers
- Malleable iron suitable for use in concrete
- Easy-Glide™ wire guard for 1¼" trade size and larger are available, see Page AB7.

Material/Finish:
Malleable Iron/
Zinc Plated Aluminum Enamel

Optional Finish:
Hot Dip Galvanized

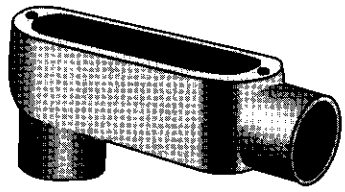
Third Party Certification:
UL Listed E-18095
Suitable for wet locations when used with gasketed covers.

CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

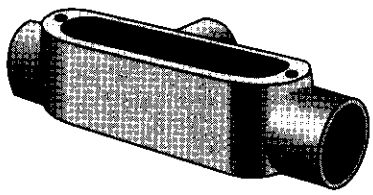
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Pages AB5

Trade Size (inches)	Catalog Number
	Malleable Iron Zinc Plated
½	LB-50
¾	LB-75
1	LB-100
1¼	LB-125
1½	LB-150
2	LB-200
2½	LB-250
3	LB-300
3½	LB-350
4	LB-400
½	T-50
¾	T-75
1	T-100
1¼	T-125
1½	T-150
2	T-200
2½	T-250
3	T-300
3½	T-350
4	T-400
	Malleable Iron Hot Dip Galvanized
½	LB-50G
¾	LB-75G
1	LB-100G
1¼	LB-125G
1½	LB-150G
2	LB-200G
2½	LB-250G
3	LB-300G
3½	LB-350G
4	LB-400G
½	T-50G
¾	T-75G
1	T-100G
1¼	T-125G
1½	T-150G
2	T-200G
2½	T-250G
3	T-300G
3½	T-350G
4	T-400G



Type LB



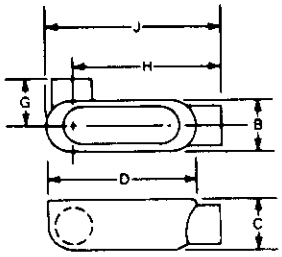
Type T

Malleable Iron Conduit Bodies

For Rigid Conduit & IMC

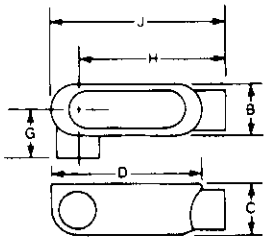
Dimensional Data:

Type LL



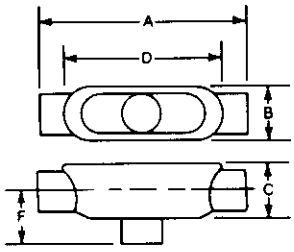
Catalog Number	Trade Size	Dimensions in Inches B	C	D	G	H	J	Volume Cu. In.	Max No. Conductors
LL-50	½	1⅜	1⅜	4	1⅜	4	4⅝	4.0	N/A
LL-75	¾	1⅝	1⅝	4⅝	1⅝	4⅝	5⅜	7.0	3 #6AWG
LL-100	1	1⅞	2	5⅜	1¾	5⅜	6¼	12.0	3 #4AWG
LL-125	1¼	2⅝	2⅝	7¼	2¼	6⅞	8¼	32.0	3 #2AWG
LL-150	1½	2⅝	2¾	7¼	2¼	6⅞	8¼	36.0	3 #1AWG
LL-200	2	3¼	3½	9⅝	2⅝	9	10⅝	70.0	3 #2/0AWG
LL-250	2½	4⅜	4	12⅜	3⅜	11⅝	13¾	142.0	3 #4/0AWG
LL-300	3	4⅜	4¾	12⅜	3⅜	11⅝	13¾	173.0	3 #4/0AWG
LL-350	3½	5⅝	5⅝	15	4½	13⅞	16¾	292.0	3 #350MCM
LL-400	4	5⅝	5⅝	15	4½	13⅞	16¾	324.0	3 #350MCM

Type LR



Catalog Number	Trade Size	Dimensions in Inches B	C	D	G	H	J	Volume Cu. In.	Max No. Conductors
LR-50	½	1⅜	1⅜	4	1⅜	4	4⅝	4.0	N/A
LR-75	¾	1⅝	1⅝	4⅝	1⅝	4⅝	5⅜	7.0	3 #6AWG
LR-100	1	1⅞	2	5⅜	1¾	5⅜	6¼	12.0	3 #4AWG
LR-125	1¼	2⅝	2⅝	7¼	2¼	7	8¼	32.0	3 #2AWG
LR-150	1½	2⅝	2¾	7¼	2¼	7	8¼	36.0	3 #1AWG
LR-200	2	3¼	3½	9⅝	2⅝	9	10⅝	70.0	3 #2/0AWG
LR-250	2½	4⅜	4	12⅜	3⅜	11⅝	13¾	142.0	3 #4/0AWG
LR-300	3	4⅜	4¾	12⅜	3⅜	11⅝	13¾	173.0	3 #4/0AWG
LR-350	3½	5⅝	5⅝	15	4½	13⅞	16¾	292.0	3 #350MCM
LR-400	4	5⅝	5⅝	15	4½	13⅞	16¾	324.0	3 #350MCM

Type TB



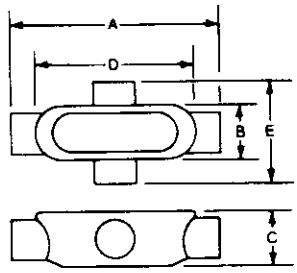
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	F	Volume Cu. In.	Max No. Conductors
TB-50	½	5⅜	1⅜	1⅜	4	1½	4.0	N/A
TB-75	¾	6¼	1½	1⅝	4⅝	1½	7.0	3 #6AWG
TB-100	1	7⅛	1⅞	2	5⅜	1⅞	13.0	3 #4AWG
TB-125	1¼	9⅛	2⅝	2⅝	7¼	2¼	32.0	3 #2AWG
TB-150	1½	9¼	2⅝	2¾	7¼	2⅜	36.0	3 #1AWG
TB-200	2	11⅞	3⅛	3½	9⅝	2¾	70.0	3 #2/0AWG

Malleable Iron Conduit Bodies

For Rigid Conduit & IMC

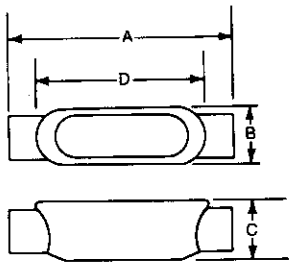
Dimensional Data:

Type X



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Volume Cu. In.	Max No. Conductors
X-50	½	5⅜	1⅜	1⅜	4	2¾	4.0	N/A
X-75	¾	6⅛	1⅝	1⅝	4⅝	3⅛	7.0	3 #6AWG
X-100	1	7⅛	1⅞	2	5⅜	3½	12.0	3 #4AWG
X-125	1¼	9⅛	2⅝	2⅝	7¼	4½	32.0	3 #2AWG
X-150	1½	9¼	2⅝	2⅞	7¼	4⅝	36.0	3 #1AWG
X-200	2	11⅞	3⅛	3½	9½	5¼	70.0	3 #2/0AWG

Type C



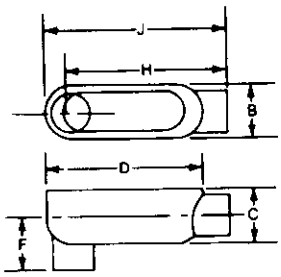
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	Volume Cu. In.	Max No. Conductors
C-50	½	5⅜	1⅜	1⅜	4	4.0	N/A
C-75	¾	6⅛	1⅝	1⅝	4⅝	7.0	3 #6AWG
C-100	1	7⅛	1⅞	2	5⅜	12.0	3 #4AWG
C-125	1¼	9⅛	2⅝	2⅝	7¼	32.0	3 #2AWG
C-150	1½	9¼	2⅝	2¾	7¼	36.0	3 #1AWG
C-200	2	11⅞	3⅛	3½	9⅝	70.0	3 #2/0AWG
C-250	2½	15⅛	4⅜	4	12⅜	153.0	3 #4/0AWG
C-300	3	15⅛	4⅜	4¾	12⅜	181.0	3 #4/0AWG
C-350	3½	18⅜	5½	5½	15	290.0	3 #350MCM
C-400	4	18⅜	5½	5⅝	15	320.0	3 #350MCM

Malleable Iron Conduit Bodies

For Rigid Conduit & IMC

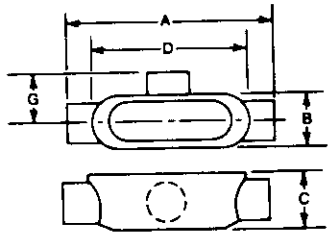
Dimensional Data:

Type LB



Catalog Number	Trade Size	Dimensions in Inches B	C	D	F	H	J	Volume Cu. In.	Max No. Conductors
LB-50	½	1⅜	1⅜	4	1½	4	4⅝	4.0	N/A
LB-75	¾	1⅝	1⅝	4⅝	1⅝	4⅝	5⅜	7.0	3 #6AWG
LB-100	1	1⅞	2	5⅜	1⅞	5⅜	6¼	12.0	3 #4AWG
LB-125	1¼	2⅜	2⅝	7¼	2¼	7	8¼	32.0	3 #2AWG
LB-150	1½	2⅝	2¾	7⅜	2⅜	7	8¼	36.0	3 #1/0AWG
LB-200	2	3¼	3⅜	9⅝	2¾	9⅛	10⅝	70.0	3 #4/0AWG
LB-250	2½	4⅜	4	12⅜	3⅜	11⅝	13¾	142.0	3 #300MCM
LB-300	3	4⅜	4¾	12⅜	3⅜	11⅝	13¾	173.0	3 #400MCM
LB-350	3½	5⅜	5½	15	4¼	14	16¾	292.0	3 #500MCM
LB-400	4	5⅜	5⅜	15	4¼	14	16¾	324.0	3 #500MCM
LB-50G	½	1⅜	1⅜	4	1½	4	4¾	4.0	N/A
LB-75G	¾	1⅝	1⅝	4⅝	1½	4⅝	4⅝	7.0	3 #6AWG
LB-100G	1	1⅞	2	5⅜	1⅞	5⅜	6¼	12.0	3 #4AWG
LB-125G	1¼	2⅜	2⅝	7¼	2¼	7	8¼	32.0	3 #2AWG
LB-150G	1½	2⅝	2¾	7⅜	2⅜	7	8⅜	36.0	3 #1/0AWG
LB-200G	2	3¼	3⅜	9⅝	2¾	9⅛	10⅝	70.0	3 #4/0AWG
LB-250G	2½	4⅜	4	12⅜	3⅜	11⅝	13¾	142.0	3 #300MCM
LB-300G	3	4⅜	4¾	12⅜	3⅜	11⅝	13¾	173.0	3 #400MCM
LB-350G	3½	5⅜	5½	15	4¼	13⅞	16¾	292.0	3 #500MCM
LB-400G	4	5⅜	5⅜	15	4½	14	16¾	324.0	3 #500MCM

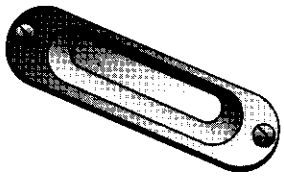
Type T



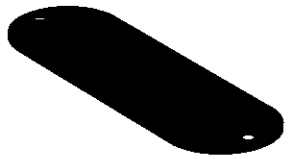
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	G	Volume Cu. In.	Max No. Conductors
T-50	½	5⅜	1⅜	1⅜	4	1⅜	4.0	N/A
T-75	¾	6⅛	1⅝	1⅝	4⅝	1⅝	7.0	3 #6AWG
T-100	1	7⅛	1⅞	2	5⅜	1¾	12.0	3 #4AWG
T-125	1¼	9⅛	2⅜	2⅝	7¼	2¼	32.0	3 #2AWG
T-150	1½	9¼	2⅝	2¾	7¼	2¼	36.0	3 #1AWG
T-200	2	11⅞	3¼	3½	9⅝	2⅝	70.0	3 #2/0AWG
T-250	2½	15⅛	4⅜	4	12⅜	3⅜	142.0	3 #4/0AWG
T-300	3	15⅛	4⅜	4¾	12⅜	3⅜	173.0	3 #4/0AWG
T-350	3½	18⅜	5½	5½	15	4½	290.0	3 #350MCM
T-400	4	18⅜	5½	5½	15	4½	324.0	3 #350MCM
T-50G	½	5⅜	1⅜	1⅜	4	1⅜	4.0	N/A
T-75G	¾	6⅛	1⅝	1⅝	4⅝	1⅝	7.0	3 #6AWG
T-100G	1	7⅛	1⅞	2	5⅜	1¾	12.0	3 #4AWG
T-125G	1¼	9⅛	2⅜	2⅝	7¼	2¼	32.0	3 #2AWG
T-150G	1½	9⅛	2⅝	2¾	7¼	2¼	36.0	3 #1AWG
T-200G	2	11⅞	3¼	3½	9⅝	2⅝	70.0	3 #2/0AWG
T-250G	2½	15⅛	4⅜	4	12⅜	3⅜	142.0	3 #4/0AWG
T-300G	3	15⅛	4⅜	4¾	12⅜	3⅜	173.0	3 #4/0AWG
T-350G	3½	18⅜	5½	5½	15	4½	290.0	3 #350MCM
T-400G	4	18⅜	5½	5½	15	4½	324.0	3 #350MCM

Gaskets & Covers

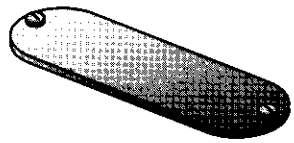
For O-Z/Gedney Malleable Iron Conduit Bodies



Type BS



Type SG



Type BC

Type: BS
Domed Top Design Cover

Use:
To cover conduit body opening.

Material/Finish:
Stamped Steel Pre-Galvanized
Stainless Steel Screws
Natural Finish

Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Trade Size (inches)	Catalog Number
½	BS-50S
¾	BS-75S
1	BS-100S
1¼-1½	BS-125S
2	BS-200S
2½-3	BS-250S
3½-4	BS-350S

Type: SG
Solid Cover Sealing Gasket

Use:
To provide a worry-free, raintight seal when used with Type BS or BC style covers.

Material:
Velbuna
Closed-Cell Neoprene

Trade Size (inches)	Catalog Number	Catalog Number
	Velbuna	Neoprene
½	SG-50	SGN-50
¾	SG-75	SGN-75
1	SG-100	SGN-100
1¼-1½	SG-125	SGN-125
2	SG-200	SGN-200
2½-3	SG-250	SGN-250
3½-4	SG-350	SGN-350

Type: BC
Flat Top Design Cover

Use:
To cover conduit body opening.

Material/Finish:
Cast Iron/Hot Dip Galvanized

Third Party Certification:
UL Listed:
E-18095

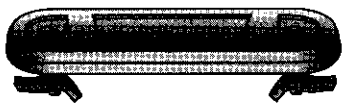
CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Trade Size (inches)	Catalog Number
½	BC-50G
¾	BC-75G
1	BC-100G
1¼-1½	BC-125G
2	BC-200G
2½-3	BC-250G
3½-4	BC-350G

Gaskets & Covers

For O-Z/Gedney Malleable Iron Conduit Bodies



Type BCC

Type: BCC
Clip-On™ Cover

Use:
To cover conduit body opening.

Material/Finish:
Cast Iron/Zinc plated
Stainless Steel Screws
Steel, Zinc-Plated Clips

Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Trade Size (inches)	Catalog Number
½	BCC-50
¾	BCC-75
1	BCC-100
1¼-1½	BCC-125
2	BCC-200
2½-3	BCC-250
3½-4	BCC-350

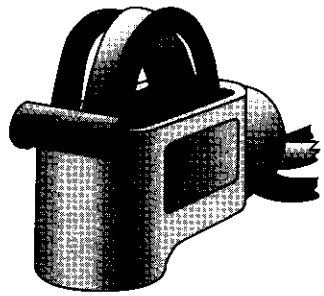
Type SGNC

Type: SGNC
Cover Gasket

Use:
To provide a worry-free, raintight seal when used with Clip-On™ cover.

Material:
Closed-Cell Neoprene

Trade Size (inches)	Catalog Number
½	SGNC-50
¾	SGNC-75
1	SGNC-100
1¼-1½	SGNC-125
2	SGNC-200
2½-3	SGNC-250
3½-4	SGNC-350



Type EW

Type: EW
Easy-Glide™ Wire Guard

Use:
To ease the job of wire pulling when used with O-Z/Gedney conduit bodies

Features:
- Reusable
- Protects wire insulation
- Fits all conduit body types

Material:
Spring Steel

Trade Size (inches)	Catalog Number
For O-Z/Gedney Malleable Iron Conduit Bodies	
1¼-2	EW-1220S
2½-3	EW-2350S
3½-4	EW-3540S
For O-Z/Gedney Mogul	
1-2	EW-1220S
2½-3	EW-2350S
3½-4	EW-3540S
For O-Z/Gedney Form 7 Conduit Bodies	
1¼-1½-2	EW7-1220S
2½-3-3½-4	EW7-2350S

Conduit Body, Cover & Gasket Assemblies

For Rigid Conduit & IMC

Types:
LB, LL, LR, C, T

Use:
Assembled conduit bodies to provide access to conductors for pulling, splicing, and maintenance.

Features:
- Tapered threaded hubs (NPT)
- Packaged complete under one Catalog Number
- Ready to use

Material/Finish:
Conduit body - Malleable Iron
Zinc Plated with Aluminum Enamel
Cover - Type BS Steel Zinc Plated
Gasket - Type SGN Neoprene

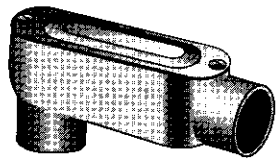
Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

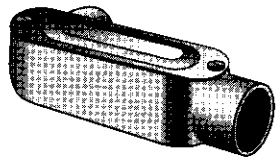
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Pages AB3, AB4, AB5

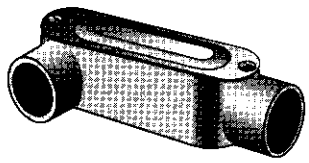
Trade Size (inches)	Catalog Number
½	LB-50CG
¾	LB-75CG
1	LB-100CG
1¼	LB-125CG
1½	LB-150CG
2	LB-200CG
½	LL-50CG
¾	LL-75CG
1	LL-100CG
1¼	LL-125CG
1½	LL-150CG
2	LL-200CG
½	LR-50CG
¾	LR-75CG
1	LR-100CG
1¼	LR-125CG
1½	LR-150CG
2	LR-200CG
½	T-50CG
¾	T-75CG
1	T-100CG
1¼	T-125CG
1½	T-150CG
2	T-200CG
½	C-50CG
¾	C-75CG
1	C-100CG
1¼	C-125CG
1½	C-150CG
2	C-200CG



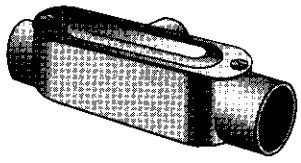
Type LB-CG



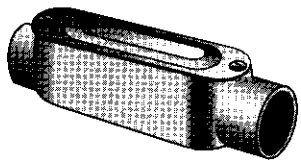
Type LL-CG



Type LR-CG



Type T-CG



Type C-CG

Aluminum Conduit Bodies

Set Screw Type for EMT (Thinwall Conduit)

Types:
LB, LL, LR, C, T

Use:
To provide access to conductors for pulling, splicing, and maintenance.

Features:
- Slotted hex head steel hardened cup-point set screw for EMT
- Tapered threaded Hubs (NPT) for rigid conduit

Material/Finish:
½" - 2" LB, LL, LR, C, T
Die-cast Copper-free Aluminum/
Aluminum Enamel
2½" - 4" LB
Sand-cast Copper-free Aluminum/
Aluminum Enamel

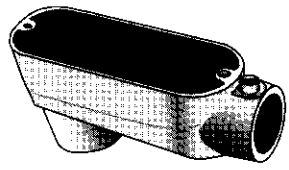
Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

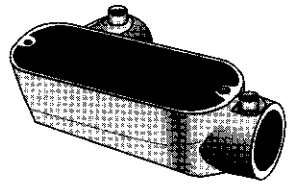
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-568D
NEMA: FB-1

Dimensional Data:
See Pages AC2, AC3

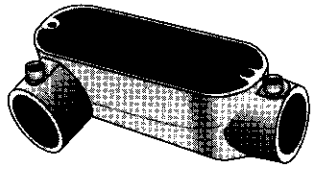
Trade Size (inches)	Catalog Number
½	LB-50A-TW
¾	LB-75A-TW
1	LB-100A-TW
1¼	LB-125A-TW
1½	LB-150A-TW
2	LB-200A-TW
2½	LB-250A-TW
3	LB-300A-TW
3½	LB-350A-TW
4	LB-400A-TW
½	LL-50A-TW
¾	LL-75A-TW
1	LL-100A-TW
1¼	LL-125A-TW
1½	LL-150A-TW
2	LL-200A-TW
½	LR-50A-TW
¾	LR-75A-TW
1	LR-100A-TW
1¼	LR-125A-TW
1½	LR-150A-TW
2	LR-200A-TW
½	C-50A-TW
¾	C-75A-TW
1	C-100A-TW
1¼	C-125A-TW
1½	C-150A-TW
2	C-200A-TW
½	T-50A-TW
¾	T-75A-TW
1	T-100A-TW
1¼	T-125A-TW
1½	T-150A-TW
2	T-200A-TW



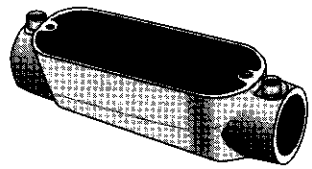
Type LB-TW



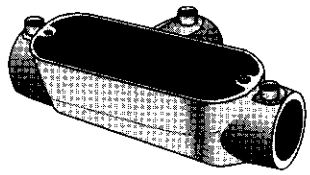
Type LL-TW



Type LR-TW



Type C-TW



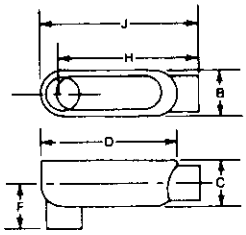
Type T-TW

Aluminum Conduit Bodies

Set Screw Type for EMT (Thinwall Conduit)

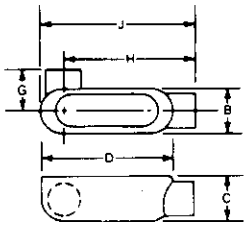
Dimensional Data:

Type LB



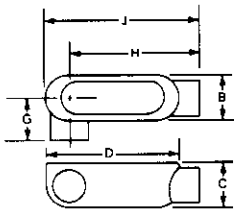
Catalog Number	Trade Size	Dimensions in Inches B	C	D	F	H	J	Volume Cu. In.	Max No. Conductors
LB-50A-TW	½	1¼	1⅜	4	1⅜	3⅝	4½	4.3	N/A
LB-75A-TW	¾	1½	1⅝	4⅝	1⅝	4¼	5⅛	7.3	3 #6AWG
LB-100A-TW	1	1¾	2	5⅜	2	5	6⅛	12.2	3 #4AWG
LB-125A-TW	1¼	2½	2⅝	7¼	2¼	6½	7⅞	34.0	3 #2AWG
LB-150A-TW	1½	2½	2¾	7¼	2¼	6½	7⅞	35.8	3 #1/0AWG
LB-200A-TW	2	3⅛	3⅜	9½	2⅝	8¼	10⅛	77.5	3 #4/0AWG
LB-250A-TW	2½	4⅜	4	12⅜	3⅜	11⅝	13⅜	142.0	3 #6AWG
LB-300A-TW	3	4⅜	4¾	12⅜	3⅜	11⅝	13⅜	173.0	3 #300MCM
LB-350A-TW	3½	5⅝	5⅝	15	4¼	13⅞	16¾	292.0	3 #500MCM
LB-400A-TW	4	5⅝	5⅝	15	4½	14	16⅝	324.0	3 #500MCM

Type LL



Catalog Number	Trade Size	Dimensions in Inches B	C	D	G	H	J	Volume Cu. In.	Max No. Conductors
LL-50A-TW	½	1¼	1⅜	4	1 1/2	3⅝	4½	4.3	N/A
LL-75A-TW	¾	1½	1⅝	4⅝	1⅝	4¼	5⅛	7.3	3 #6AWG
LL-100A-TW	1	1¾	2	5⅜	2	5	6⅛	12.2	3 #4AWG
LL-125A-TW	1¼	2½	2⅝	7¼	2¼	6½	7⅞	34.0	3 #2AWG
LL-150A-TW	1½	2½	2¾	7¼	2¼	6½	7⅞	35.8	3 #1AWG
LL-200A-TW	2	3⅛	3⅜	9½	2⅝	7⅝	10⅛	77.5	3 #2/0AWG

Type LR



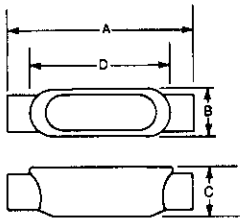
Catalog Number	Trade Size	Dimensions in Inches B	C	D	G	H	J	Volume Cu. In.	Max No. Conductors
LR-50A-TW	½	1¼	1⅜	4	1 1/2	3⅝	4½	4.3	N/A
LR-75A-TW	¾	1½	1⅝	4⅝	1⅝	4¼	5⅛	7.3	3 #6AWG
LR-100A-TW	1	1¾	2	5⅜	2	5	6⅛	12.2	3 #4AWG
LR-125A-TW	1¼	2½	2⅝	7¼	2¼	6½	7⅞	34.0	3 #2AWG
LR-150A-TW	1½	2½	2¾	7¼	2¼	6½	7⅞	35.8	3 #1AWG
LR-200A-TW	2	3⅛	3⅜	9½	2⅝	7⅝	10⅛	77.5	3 #2/0AWG

Aluminum Conduit Bodies

Set Screw Type for EMT (Thinwall Conduit)

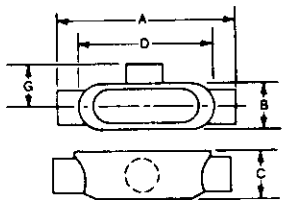
Dimensional Data:

Type C



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	Volume Cu. In.	Max No. Conductors
C-50A-TW	½	5	1¼	1⅜	4	4.2	N/A
C-75A-TW	¾	5⅝	1½	1⅝	4⅝	7.1	3 #6AWG
C-100A-TW	1	6¾	1¾	2	5⅜	12.0	3 #4AWG
C-125A-TW	1¼	8⅜	2½	2⅝	7¼	31.5	3 #2AWG
C-150A-TW	1½	8⅜	2½	2¾	7¼	34.5	3 #1/0AWG
C-200A-TW	2	10⅝	3⅛	3⅜	9½	75.0	3 #3/0AWG

Type T



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	G	Volume Cu. In.	Max No. Conductors
T-50A-TW	½	5	1¼	1⅜	4	1½	4.2	N/A
T-75A-TW	¾	5⅝	1½	1⅝	4⅝	1⅝	7.1	3 #6AWG
T-100A-TW	1	6¾	1¾	2	5¼	2	12.0	3 #4AWG
T-125A-TW	1¼	8⅜	2½	2⅝	7¼	2¼	31.5	3 #2AWG
T-150A-TW	1½	8⅜	2½	2¾	7¼	2¼	34.5	3 #1AWG
T-200A-TW	2	10⅝	3⅛	3⅜	9½	2⅝	75.0	3 #2/0AWG

Aluminum Conduit Bodies

For Rigid Conduit & IMC

Types:
LL, LR, TB, X, C

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Tapered threaded hubs (NPT)
- Raintight when used with gasketed covers

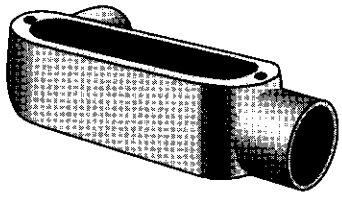
Material/Finish:
½" - 2" LL, LR, C
Die-cast Copper-free Aluminum/ Aluminum Enamel
½" - 2" TB, X
Sand-cast Copper-free Aluminum/ Aluminum Enamel
2½" - 4" LL, LR, C
Sand-cast Copper-free Aluminum/ Aluminum Enamel

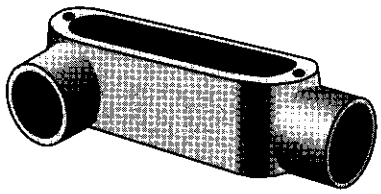
Third Party Certification:
UL Listed: E-18095
Suitable for wet locations when used with gasketed covers.
CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Pages AC6, AC7

Trade Size (inches)	Catalog Number
½	LL-50A
¾	LL-75A
1	LL-100A
1¼	LL-125A
1½	LL-150A
2	LL-200A
2½	LL-250A
3	LL-300A
3½	LL-350A
4	LL-400A
½	LR-50A
¾	LR-75A
1	LR-100A
1¼	LR-125A
1½	LR-150A
2	LR-200A
2½	LR-250A
3	LR-300A
3½	LR-350A
4	LR-400A
½	TB-50A
¾	TB-75A
1	TB-100A
1¼	TB-125A
1½	TB-150A
2	TB-200A
½	X-50A
¾	X-75A
1	X-100A
1¼	X-125A
1½	X-150A
2	X-200A
½	C-50A
¾	C-75A
1	C-100A
1¼	C-125A
1½	C-150A
2	C-200A
2½	C-250A
3	C-300A
3½	C-350A
4	C-400A


Type LL-A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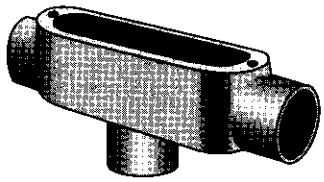
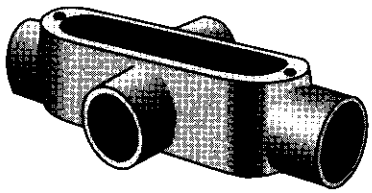
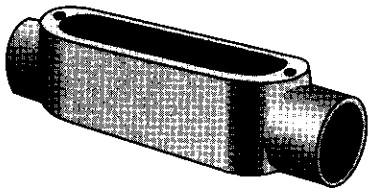

Type TB-A


Type X-A


Type C-A

Aluminum Conduit Bodies

For Rigid Conduit & IMC

Types:
LB, T

Use:
To provide access to conductors for pulling, splicing, and maintenance. Threaded for rigid conduit and IMC.

Features:
- Tapered threaded hubs (NPT)
- Raintight when used with gasketed covers

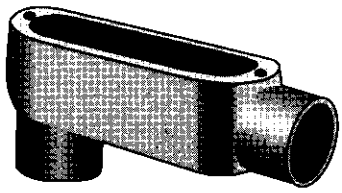
Material/Finish:
½" - 2" LB, T
Die-cast Copper-free Aluminum/
Aluminum Enamel
2½" - 4" LB, T
Sand-cast Copper-free Aluminum/
Aluminum Enamel

Third Party Certification:
UL Listed E-18095
Suitable for wet locations when used with gasketed covers.
CSA Certified: LR-9795
Suitable for wet locations when used with gasketed covers.

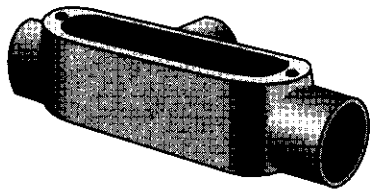
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Page AC7

Trade Size (inches)	Catalog Number
½	LB-50A
¾	LB-75A
1	LB-100A
1¼	LB-125A
1½	LB-150A
2	LB-200A
2½	LB-250A
3	LB-300A
3½	LB-350A
4	LB-400A
½	T-50A
¾	T-75A
1	T-100A
1¼	T-125A
1½	T-150A
2	T-200A
2½	T-250A
3	T-300A
3½	T-350A
4	T-400A



Type LB-A



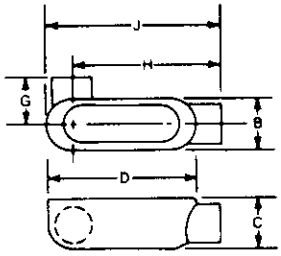
Type T-A

Aluminum Conduit Bodies

For Rigid Conduit & IMC Cable

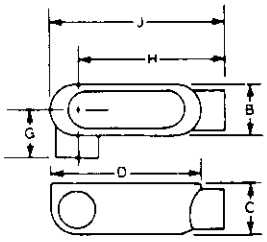
Dimensional Data:

Type LL-A



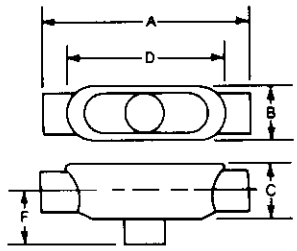
Catalog Number	Trade Size	Dimensions in Inches B	C	D	G	H	J	Volume Cu. In.	Max No. Conductors
LL-50A	½	1¼	1⅜	4	1½	3⅝	4½	4.3	N/A
LL-75A	¾	1½	1⅝	4⅝	1⅝	4¼	5⅛	7.3	3 #6AWG
LL-100A	1	1¾	2	5⅜	2	5	6⅛	12.2	3 #4AWG
LL-125A	1¼	2½	2⅝	7¼	2¼	6½	7⅞	34.0	3 #2AWG
LL-150A	1½	2½	2¾	7¼	2¼	6½	7⅞	35.8	3 #1AWG
LL-200A	2	3⅛	3⅜	9½	2⅝	7⅝	10⅛	77.5	3 #2/0AWG
LL-250A	2½	4⅜	3⅞	12⅜	3⅝	11⅝	13¾	142.0	3 #4/0AWG
LL-300A	3	4⅜	4¾	12⅜	3½	11⅝	13¾	173.0	3 #4/0AWG
LL-350A	3½	5⅝	5¼	15	4½	13⅞	16⅝	292.0	3 #350MCM
LL-400A	4	5⅝	5⅝	15	4⅜	13⅞	16⅝	324.0	3 #350MCM

Type LR-A



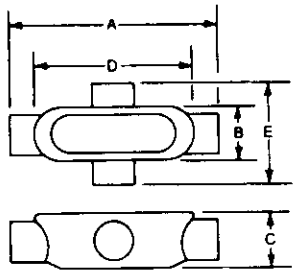
Catalog Number	Trade Size	Dimensions in Inches B	C	D	G	H	J	Volume Cu. In.	Max No. Conductors
LR-50A	½	1¼	1⅜	4	1½	3⅝	4½	4.3	N/A
LR-75A	¾	1½	1⅝	4⅝	1⅝	4¼	5⅛	7.3	3 #6AWG
LR-100A	1	1¾	2	5⅜	2	5	6⅛	12.2	3 #4AWG
LR-125A	1¼	2½	2⅝	7¼	2¼	6½	7⅞	34.0	3 #2AWG
LR-150A	1½	2½	2¾	7¼	2¼	6½	7⅞	35.8	3 #1AWG
LR-200A	2	3⅛	3⅜	9½	2⅝	7⅝	10⅛	77.5	3 #2/0AWG
LR-250A	2½	4⅜	3⅞	12⅜	3⅝	11⅝	13¾	142.0	3 #4/0AWG
LR-300A	3	4⅜	4¾	12⅜	3½	11⅝	13¾	173.0	3 #4/0AWG
LR-350A	3½	5⅝	5¼	15	4½	13⅞	16⅝	292.0	3 #350MCM
LR-400A	4	5⅝	5⅝	15	4½	13⅞	16⅝	350.0	3 #350MCM

Type TB-A



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	F	Volume Cu. In.	Max No. Conductors
TB-50A	½	5¼	1¼	1⅜	4	1⅜	4.0	N/A
TB-75A	¾	6	1½	1⅝	4⅝	1½	7.0	3 #6AWG
TB-100A	1	7¼	1¾	2	5⅜	1⅞	13.0	3 #4AWG
TB-125A	1¼	9⅛	2⅝	2⅝	7¼	2¼	32.0	3 #2AWG
TB-150A	1½	9¼	2⅝	2¾	7¼	2⅜	34.0	3 #1AWG
TB-200A	2	11⅞	3⅛	3½	9⅝	2¾	70.0	3 #2/0AWG

Type X-A



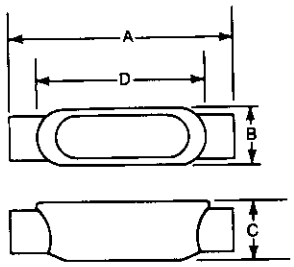
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Volume Cu. In.	Max No. Conductors
X-50A	½	5⅜	1⅜	1⅜	4	2¾	4.0	N/A
X-75A	¾	6⅛	1⅝	1⅝	4⅝	3¼	7.0	3 #6AWG
X-100A	1	7⅛	1⅞	2	5⅜	3½	12.0	3 #4AWG
X-125A	1¼	9⅛	2⅝	2⅝	7¼	4½	32.0	3 #2AWG
X-150A	1½	9¼	2⅝	2⅞	7¼	4⅝	36.0	3 #1AWG
X-200A	2	11⅞	3⅛	3½	9½	5½	70.0	3 #2/0AWG

Aluminum Conduit Bodies

For Rigid Conduit & IMC

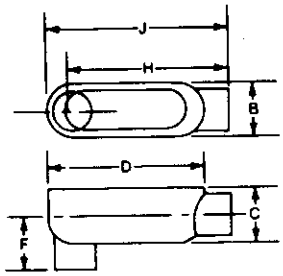
Dimensional Data:

Type C-A



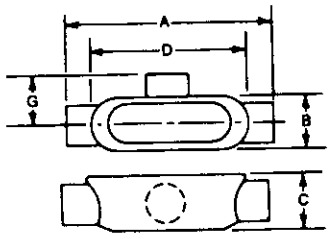
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	Volume Cu. In.	Max No. Conductors
C-50A	½	5	1¼	1⅜	4	4.2	N/A
C-75A	¾	5⅝	1½	1⅝	4⅝	7.1	3 #6AWG
C-100A	1	6¾	1¾	2	5⅜	12.0	3 #4AWG
C-125A	1¼	8⅜	2½	2⅝	7¼	31.5	3 #2AWG
C-150A	1½	8⅜	2½	2¾	7¼	34.5	3 #1AWG
C-200A	2	10⅝	3⅛	3⅜	9½	75.0	3 #2/0AWG
C-250A	2½	15⅛	4⅜	4	12½	153.0	3 #4/0AWG
C-300A	3	15¼	4⅜	4¾	12½	181.0	3 #4/0AWG
C-350A	3½	18¼	5½	5½	15	290.0	3 #350MCM
C-400A	4	18⅛	5½	5⅝	15	320.0	3 #350MCM

Type LB-A



Catalog Number	Trade Size	Dimensions in Inches B	C	D	F	H	J	Volume Cu. In.	Max No. Conductors
LB-50A	½	1¼	1⅜	4	1⅜	3⅝	4½	4.3	N/A
LB-75A	¾	1½	1⅝	4⅝	1⅝	4¼	5⅛	7.3	3 #6AWG
LB-100A	1	1¾	2	5⅜	2	5	6⅛	12.2	3 #4AWG
LB-125A	1¼	2½	2⅝	7¼	2¼	6½	7⅞	34.0	3 #2AWG
LB-150A	1½	2½	2¾	7¼	2¼	6½	7⅞	35.8	3 #1/0AWG
LB-200A	2	3⅛	3⅜	9½	2⅝	8¼	10⅛	77.5	3 #4/0AWG
LB-250A	2½	4⅜	4	12⅜	3⅜	11⅝	13⅜	142.0	3 #300MCM
LB-300A	3	4⅜	4¾	12⅜	3⅜	11⅝	13⅜	173.0	3 #400MCM
LB-350A	3½	5⅝	5⅝	15	4¼	13⅞	16¾	292.0	3 #500MCM
LB-400A	4	5⅝	5⅝	15	4½	14	16⅝	324.0	3 #500MCM

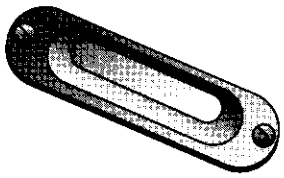
Type T-A



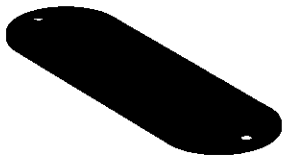
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	G	Volume Cu. In.	Max No. Conductors
T-50A	½	5	1¼	1⅜	4	1½	4.2	N/A
T-75A	¾	5⅝	1½	1⅝	4⅝	1⅝	7.1	3 #6AWG
T-100A	1	6¾	1¾	2	5¼	2	12.0	3 #4AWG
T-125A	1¼	8⅜	2½	2⅝	7¼	2¼	31.5	3 #2AWG
T-150A	1½	8⅜	2½	2¾	7¼	2¼	34.5	3 #1AWG
T-200A	2	10⅝	3⅛	3⅜	9½	2⅝	75.0	3 #2/0AWG
T-250A	2½	15⅛	4⅜	4	12⅜	3⅜	142.0	3 #4/0AWG
T-300A	3	15¼	4⅜	4¾	12⅜	3⅜	182.0	3 #4/0AWG
T-350A	3½	18¼	5½	5¼	14⅞	4⅜	290.0	3 #350MCM
T-400A	4	18⅛	5½	5½	14⅞	4⅜	320.0	3 #350MCM

Gaskets & Covers

For O-Z/Gedney Aluminum Conduit Bodies



Type BS



Type SG

Type BS
Domed Top Design Cover

Use:
To cover conduit body openings.

Material/Finish:
Stamped Copper-free Aluminum
Stainless Steel Screws
Natural Finish

Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Trade Size (inches)	Catalog Number
½	BS-50A
¾	BS-75A
1	BS-100SA
1¼-1½	BS-125A
2	BS-200A
2½-3	BS-250A
3½-4	BS-350A

Type SG
Solid Cover Sealing Gasket

Use:
To provide a worry-free, raintight seal when used with Type BS style covers.

Material:
Velbuna
Closed-Cell Neoprene

Trade Size (inches)	Catalog Number	Catalog Number
	Velbuna	Neoprene
½	SG-50	SGN-50
¾	SG-75	SGN-75
1	SG-100	SGN-100
1¼-1½	SG-125	SGN-125
2	SG-200	SGN-200
2½-3	SG-250	SGN-250
3½-4	SG-350	SGN-350

Conduit Body, Cover & Gasket Assemblies

For Rigid Conduit & IMC

Types:
LB, LL, LR, C, T

Use:
Assembled conduit bodies to provide access to conductors for pulling, splicing, and maintenance.

Features:
- Tapered threaded hubs (NPT)
- Packaged complete under one Catalog Number
- Ready to use

Material/Finish
Conduit Body - Die-cast, Copper-free Aluminum with Aluminum Enamel
Cover - Type BS Aluminum
Gasket - Type SGN Neoprene

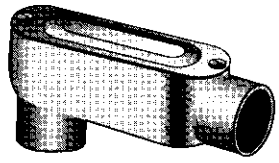
Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

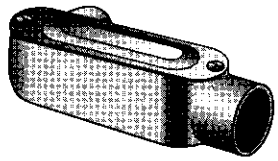
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Pages AC2, AC3

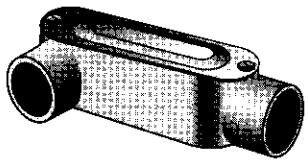
Trade Size (inches)	Catalog Number
½	LB-50ACG
¾	LB-75ACG
1	LB-100ACG
1¼	LB-125ACG
1½	LB-150ACG
2	LB-200ACG
½	LL-50ACG
¾	LL-75ACG
1	LL-100ACG
1¼	LL-125ACG
1½	LL-150ACG
2	LL-200ACG
½	LR-50ACG
¾	LR-75ACG
1	LR-100ACG
1¼	LR-125ACG
1½	LR-150ACG
2	LR-200ACG
½	T-50ACG
¾	T-75ACG
1	T-100ACG
1¼	T-125ACG
1½	T-150ACG
2	T-200ACG
½	C-50ACG
¾	C-75ACG
1	C-100ACG
1¼	C-125ACG
1½	C-150ACG
2	C-200ACG



Type LB-ACG



Type LL-ACG



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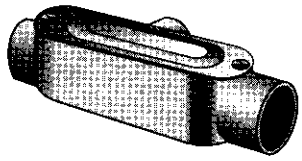
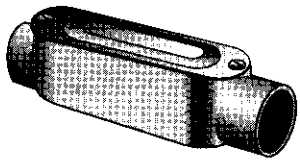


Type T-ACG



Type C-ACG

Mogul Conduit Bodies

For Rigid Conduit & IMC

Types:
C8X, T8X, LB6X, UB6X

Use:
To provide adequate access and wiring area for pulling large and heavy conductors.

Features:
- Type C8X meets NEC and CEC 8 to 1 ratio
- Type T8X meets NEC and CEC 8 to 1 ratio on C pulls only
- Types LB6X and UB6X meet NEC and CEC 6 to 1 ratio
- Supplied with cover, attached gasket and Easy-Glide™ wire guard.
- Smooth end stops to prevent wire pulling damage
- Raintight-suitable for use in wet locations

Material/Finish:
Cast Iron/Hot Dipped Galvanized
Copper-free Aluminum/Aluminum Paint
Stainless Steel Screws
Closed-Cell Neoprene Gasket

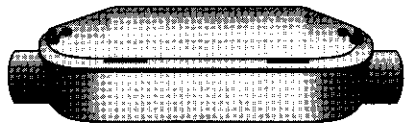
Third Party Certification:
UL Listed:
E-18095
Raintight

CSA Certified:
LR-9795
Raintight

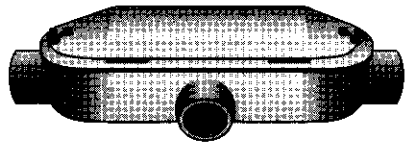
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Dimensional Data:
See Page AD2

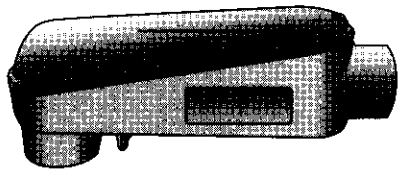
Trade Size (inches)	Catalog Number	Catalog Number
	Cast Iron	Aluminum
1	C8X-100G	C8X-100A
1¼	C8X-125G	C8X-125A
1½	C8X-150G	C8X -150A
2	C8X-200G	C8X-200A
2½	C8X-250G	C8X-250A
3	C8X-300G	C8X-300A
3½	C8X-350G	C8X-350A
4	C8X-400G	C8X-400A
1	T8X-100G	T8X-100A
1¼	T8X-125G	T8X-125A
1½	T8X-150G	T8X -150A
2	T8X-200G	T8X-200A
2½	T8X-250G	T8X-250A
3	T8X-300G	T8X-300A
3½	T8X-350G	T8X-350A
4	T8X-400G	T8X-400A
1	LB6X-100G	LB6X-100A
1¼	LB6X-125G	LB6X-125A
1½	LB6X-150G	LB6X-150A
2	LB6X-200G	LB6X-200A
2½	LB6X-250G	LB6X-250A
3	LB6X-300G	LB6X-300A
3½	LB6X-350G	LB6X-350A
4	LB6X-400G	LB6X-400A
1	UB6X-100G	UB6X-100A
1¼	UB6X-125G	UB6X-125A
1½	UB6X-150G	UB6X-150A
2	UB6X-200G	UB6X-200A
2½	UB6X-250G	UB6X-250A
3	UB6X-300G	UB6X-300A
3½	UB6X-350G	UB6X-350A
4	UB6X-400G	UB6X-400A



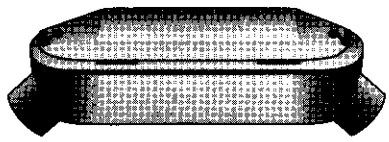
Type C8X



Type T8X



Type LB6X



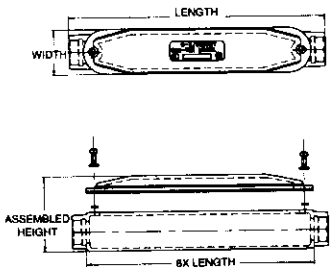
Type UB6X

Mogul Conduit Bodies

For Rigid Conduit & IMC

Dimensional Data:

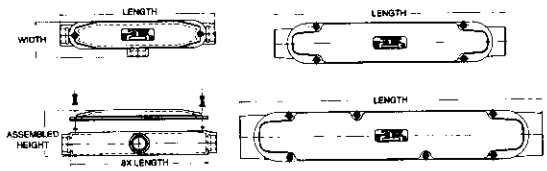
Type C8XG & Type C8XA



Dimensions in Inches

Catalog Number	Trade Size	Assembled Length	Assembled Height	Assembled Width	8X Length
C8X-100	1	12	3	2⅝	10
C8X-125	1¼	12 1/16	3 3/16	2⅝	10
C8X-150	1½	18⅛	3⅞	3 3/16	16
C8X-200	2	18 1/16	4 7/16	3 3/16	16
C8X-250	2½	27⅛	5 3/16	4 1/16	24
C8X-300	3	27¼	5 5/16	4 1/16	24
C8X-350	3½	35⅝	7 3/16	5 1/16	32
C8X-400	4	35 7/16	7 9/16	5 1/16	32

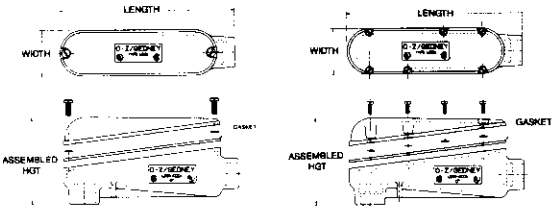
Type T8XG & Type T8XA



Dimensions in Inches

Catalog Number	Trade Size	Assembled Length	Assembled Height	Assembled Width	8X Length
T8X-100	1	12	3	2⅝	10
T8X-125	1¼	12 1/16	3 3/16	2⅝	10
T8X-150	1½	18⅛	3⅞	3 3/16	16
T8X-200	2	18 1/16	4 7/16	3 3/16	16
T8X-250	2½	27⅛	5 3/16	4 1/16	24
T8X-300	3	27¼	5 5/16	4 1/16	24
T8X-350	3½	35⅝	7 3/16	5 1/16	32
T8X-400	4	35 7/16	7 9/16	5 1/16	32

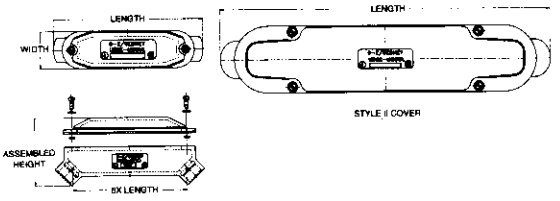
Type LB6XG & Type LB6XA



Dimensions in Inches

Catalog Number	Trade Size	Assembled Length	Assembled Height	Assembled Width	8X Length
LB6X-100	1	9⅝	3⅝	2½	7½
LB6X-125	1¼	9⅝	3⅝	2½	7½
LB6X-150	1½	14 7/16	5⅝	3	12
LB6X-200	2	14 7/16	5⅝	3	12
LB6X-250	2½	22	7½	4½	18
LB6X-300	3	22	7½	4½	18
LB6X-350	3½	28½	9¼	5½	24
LB6X-400	4	28½	9¼	5½	24

Type UB6XG & Type UB6XA



Dimensions in Inches

Catalog Number	Trade Size	Assembled Length	Assembled Height	Assembled Width	8X Length
UB6X-100	1	10 7/16	3⅞	2⅝	7½
UB6X-125	1¼	10 7/16	4 3/16	2⅝	7½
UB6X-150	1½	15 5/16	5⅛	3 3/16	12
UB6X-200	2	15 5/16	5¾	3 3/16	12
UB6X-250	2½	23 1/16	8½	4 1/16	18
UB6X-300	3	23 5/16	8½	4 1/16	18
UB6X-350	3½	30	10⅜	5 1/16	24
UB6X-400	4	30	10⅜	5 1/16	24

Cast Device Boxes

For Rigid Conduit & IMC

Types:
FS - Shallow
FD - Deep

Use:
Accommodates wiring devices and provides opening to splice, tap or pull conductors.

Features:
- Tapered threaded hubs (NPT) with integral bushings
- Both FS and FD styles are deeper than similar boxes, providing greater internal volume.
- Internal grounding screw standard on all boxes
- Mounting feet standard on FS, FD, FSC, FDC, FSA and FDA styles
- Available single, two and tandem styles
- Suitable for use in wet locations when used with gasket covers
- Cast Iron is suitable for concrete use
- For use with FS style covers on Pages AE4 and AE5 as well as standard device plates made of steel, brass, bakelite, etc.

Material/Finish:
Gray Iron/Zinc Plated

Optional Material/Finish:
Copper-free Aluminum/Aluminum Enamel

Third Party Certification:
UL Listed:
E-18095

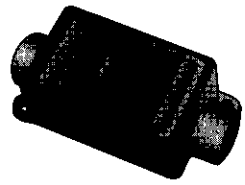
CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

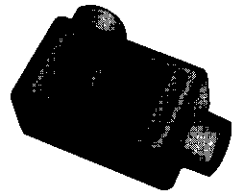
Suggested Specifications:
Where cast device boxes are required for mounting wiring devices or splicing, taps or pulling conductors, they are zinc plated gray iron with aluminum enamel. They are UL Listed and CSA Certified for wet locations when used with gasketed covers.

Trade Size (inches)	Catalog Number	Catalog Number
	Cast Iron	Aluminum
½	FS-1-50	FS-1-50A
¾	FS-1-75	FS-1-75A
1	FS-1-100	
½	FD-1-50	FD-1-50A
¾	FD-1-75	FD-1-75A
1	FD-1-100	
	Cast Iron	Aluminum
½	FSC-1-50	FSC-1-50A
¾	FSC-1-75	FSC-1-75A
1	FSC-1-100	
½	FDC-1-50	FDC-1-50A
¾	FDC-1-75	FDC-1-75A
1	FDC-1-100	
	Cast Iron	
½	FSL-1-50	
¾	FSL-1-75	
½	FDL-1-50	
¾	FDL-1-75	
	Cast Iron	
½	FSR-1-50	
¾	FSR-1-75	
½	FDR-1-50	
¾	FDR-1-75	
	Cast Iron	Aluminum
½	FSS-1-50	
¾	FSS-1-75	FSS-1-75A
	Cast Iron	
½	FSA-1-50	
¾	FSA-1-75	
½	FDA-1-50	
¾	FDA-1-75	

Type FS & FD Single Gang



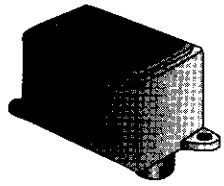
Type FSC & FDC Single Gang



Type FSL & FDL Single Gang

Type FSR & FDR Single Gang

Type FSS Single Gang



Type FSA & FDA Single Gang

Cast Device Boxes

For Rigid Conduit & IMC

Types:
FS - Shallow
FD - Deep

Use:
Accommodates wiring devices and provides opening to splice, tap or pull conductors.

Features:
- Tapered threaded hubs (NPT) with integral bushings
- Both FS and FD styles are deeper than similar boxes, providing greater internal volume.
- Internal grounding screw standard on all boxes
- Mounting feet standard on FS, FD, FSC, FDC, FSA and FDA styles
- Available single, two and tandem styles
- Suitable for use in wet locations when used with gasket covers
- Cast Iron is suitable for concrete use
- For use with FS style covers on Pages AE4 and AE5 as well as standard device plates made of steel, brass, bakelite, etc.

Material/Finish:
Gray Iron/Zinc Plated

Optional Material/Finish
Copper-free Aluminum/Aluminum Enamel

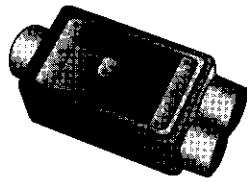
Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

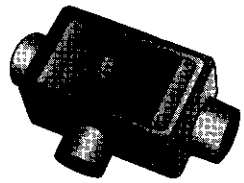
Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed Spec: W-C-586D
NEMA: FB-1

Suggested Specifications:
Where cast device boxes are required for mounting wiring devices or splicing, taps or pulling conductors, they are zinc plated gray iron with aluminum enamel. They are UL Listed and CSA Certified for wet locations when used with gasketed covers.

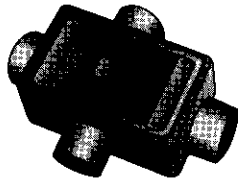
Trade Size (inches)	Catalog Number	Catalog Number
	Cast Iron	Aluminum
½	FSCC-1-50	
¾	FSCC-1-75	FSCC-1-75A
½	FDCC-1-50	
¾	FDCC-1-75	
	Cast Iron	
½	FSCT-1-50	
¾	FSCT-1-75	
1	FSCT-1-100	
½	FDCT-1-50	
¾	FDCT-1-75	
1	FDCT-1-100	
	Cast Iron	
½	FSX-1-50	
¾	FSX-1-75	
½	FDX-1-50	
¾	FDX-1-75	
	Cast Iron	Aluminum
½	FS-2-50	
¾	FS-2-75	FS-2-75A
1	FS-2-100	
½	FD-2-50	
¾	FD-2-75	
1	FD-2-100	
	Cast Iron	Aluminum
½	FSC-2-50	
¾	FSC-2-75	FSC-2-75A
1	FSC-2-100	
½	FDC-2-50	
¾	FDC-2-75	
1	FDC-2-100	
	Cast Iron	
¾	FS-2T-75	



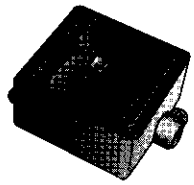
Type FSCC & FDCC Single Gang



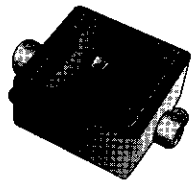
Type FSCT & FDCT Single Gang



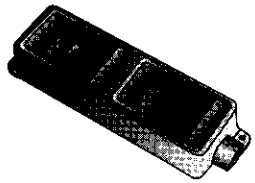
Type FSX & FDX Single Gang



Type FS-2 & FD-2 Two Gang



Type FSC-2 & FDC-2 Two Gang



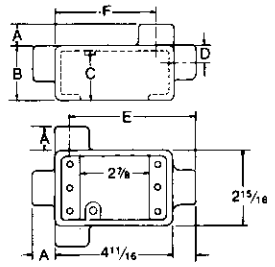
Type FS-2T Tandem

Cast Device Boxes

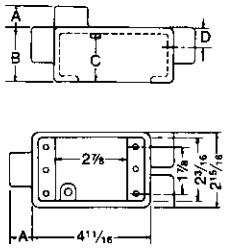
For Rigid Conduit & IMC

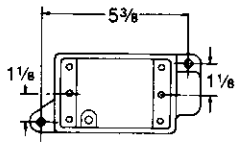
Dimensional Data:

Type FS & FD

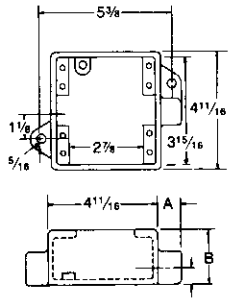


Single gang

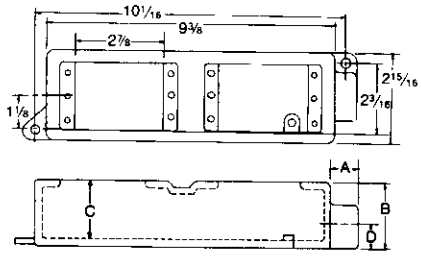




With mounting lugs



Two gang with mounting lugs



Tandem box with mounting lugs

Dimensions in Inches

Catalog Number	Trade Size	A	B	C	D	E	F
All FS Type Hubs	½	¾	2⅜	2³⁄₁₆	⅝	4¹¹⁄₁₆	3¹⁵⁄₁₆
	¾	¾	2⅜	2³⁄₁₆	¾	4⁹⁄₁₆	3¹³⁄₁₆
	1	⅞	2⅜	2³⁄₁₆	⅞	-	-
All FD Type Hubs	½	¾	3¹⁄₁₆	2⅛	⅝	4¹¹⁄₁₆	3¹⁵⁄₁₆
	¾	¾	3¹⁄₁₆	2⅛	¾	4⁹⁄₁₆	3¹⁵⁄₁₆
	1	⅞	3¹⁄₁₆	2⅛	⅞	-	-

Internal Volume (cu. inches)

Single	
FS	21.0
FD	28.0
Double	
FS	33.2
FD	46.0
Tandem	44.0

Cast Device Box Covers

For FS & FD Boxes

Types:
FS-1, FS-2

Use:
To cover and seal FS and FD style boxes and to mount wiring devices.

Features:
- Various styles and sizes to meet most applications
- Stainless Steel screws to prevent corrosion (on blank cast iron covers only)
- Blank covers are weatherproof when used with sealing gaskets (ordered separately)
- Covers also mount on ordinary boxes with standard device box openings

Material/Finish:
Cast Iron/Zinc-plated
Steel/Zinc-plated

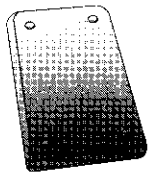
Optional Material/Finish:
Aluminum/Aluminum Enamel

Third Party Certification:
UL Listed:
E-18095

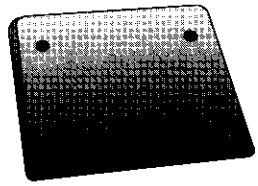
CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed. Spec: W-C-586D
NEMA: FB-1

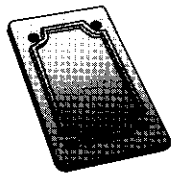
Catalog Number
Single Gang
FS-1-BCS
FS-1-BC
FS-1-BCA
FS-1-SCS
FS-1-DCS
FS-1-DC
FS-1-DCA
FS-1-LRCS
FS-1-SRCS
Two Gang
FS-2-BCS
FS-2-BC
FS-2-BCA
FS-2-SCS
FS-2-DCS
FS-2-SDCS



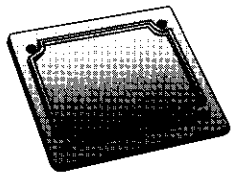
Blank
Steel
FS-1-BCS



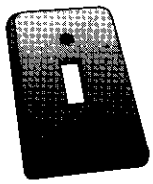
Blank
Steel
FS-2-BCS



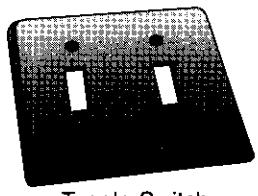
Blank
Cast Iron **FS-1-BC** Cast Aluminum **FS-1-BCA**



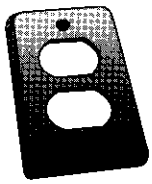
Blank
Cast Iron **FS-2-BC** Cast Aluminum **FS-2-BCA**



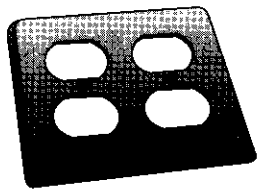
Toggle Switch
Steel
FS-1-SCS



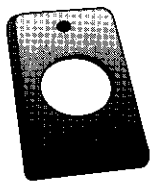
Toggle Switch
Steel
FS-2-SCS



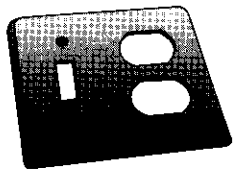
Duplex Receptacle
Steel **FS-1-DCS** Cast Iron **FS-1-DC** Cast Alum. **FS-1-DCA**



Duplex Receptacle
Steel
FS-2-DCS



Round Receptacle
1⅝ dia.. Steel **FS-1-LRCS** 1¹³⁄₃₂ dia.. Steel **FS-1-SRCS**



Toggle Switch &
Duplex Receptacle
Steel
FS-2-SDCS

Cast Device Box Covers & Gaskets

For Wet Location FS & FD Boxes

Types:
FS-1, FS-2

Use:
To cover and seal FS and FD style boxes and to mount wiring devices.

Features:
- Various styles and sizes to meet most applications
- Stainless steel screws to prevent corrosion
- All wet location covers supplied with sealing gaskets
- Covers also mount on ordinary boxes with standard device box openings

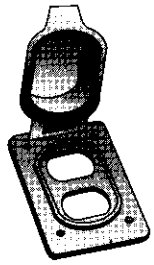
Material/Finish:
Aluminum/Aluminum Enamel
Neoprene Gaskets

Third Party Certification:
UL Listed:
E-18095

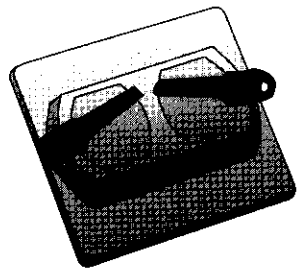
CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18
Fed. Spec: W-C-586D
NEMA: FB-1

Catalog Number
FS-1-WDCA
FS-1-WRCA
FS-1-GFCA
FS-1-SG
FS-2-WSCA
FS-1-WSCA
FS-1-WPCA
FS-2-SG

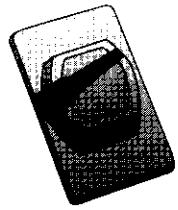


Duplex Receptacle
Die-Cast Aluminum
FS-1-WDCA

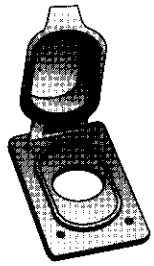


Locking Toggle Switch
Sand-cast Aluminum
FS-2-WSCA

Ground Fault Receptacle
Aluminum
FS-1-GFCA



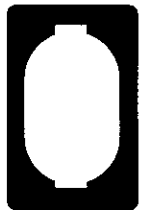
Locking Toggle Switch
Sand-cast Aluminum
FS-1-WSCA



Electrical Rating
15 Amp - 125 Volts
15 Amp - 250 Volts
20 Amp - 125 Volts

Round Receptacle
Die-cast Aluminum
FS-1-WRCA
1 13/32 dia.

Pull Switch
Sand-cast Aluminum
FS-1-WPCA



Sealing Gasket
Neoprene
FS-1-SG

Sealing Gasket
Neoprene
FS-2-SG

Outdoor Connection Box

Type:
OCB

Use:
Provides a simple method of installing receptacles used for head-bolt heater outlets in cold area, recreational vehicles, parking areas, trucking terminals, etc. Replaces makeshift enclosures and is an easy way to install outdoor wiring devices.

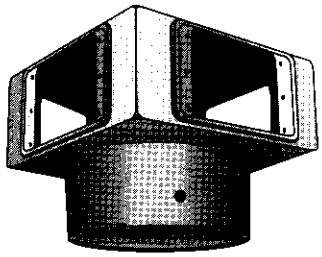
Features:
- Easy installation
- Standard set-screw design provides easy slip-fit mounting on either unthreaded or threaded 4" trade size rigid or IMC conduit
- Set screws allow permanent positioning of receptacle openings as required
- Use with standard receptacles and covers
- Has four standard FS openings which accommodate single, duplex and GFI receptacles and weatherproof covers
- Corrosion resistant construction
- Compact profile
- Large volume for wiring capacity to allow feed-thru and splices

Material/Finish:
Copper-free Aluminum/Aluminum Enamel

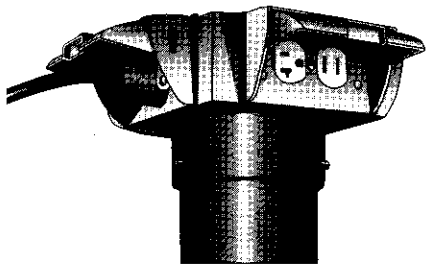
Third Party Certification:
UL Listed:
E-18095

CSA Certified:
LR-9795

Applicable Third Party Standards:
UL Standard: 514A
CSA Standard: C22.2 No. 18

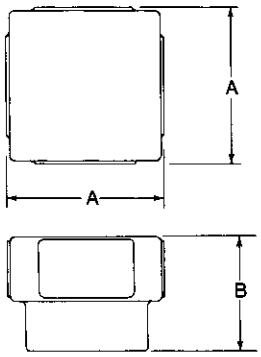


Type OCB



Existing Conduit

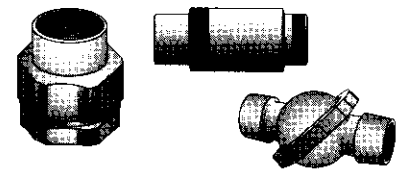
Dimensional Data:



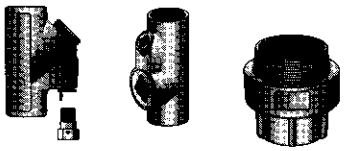
Dimensions in Inches

Catalog Number	Hub Size with 3 Set Screws	Wiring Capacity (cu. inches)	Number Duplex Receptacle Openings	A	B
OCB404-SA	4	99	4	6 9/16	4 7/8

SECTION B INDEX	Product Description	Page Number

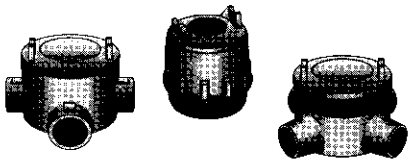


Conduit Unions BA3
Expansion Conduit Unions BA4
Swivel Unions BA5

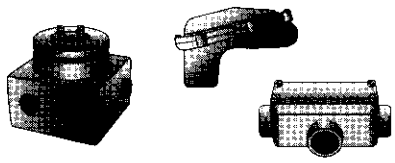


Horizontal/Vertical Sealing Fittings BA6
Vertical Sealing Fittings BA7
Drain/Sealing Fittings BA9
Sealing Hubs/EYC Compound/EYF Fibre BA10-BA11

Drains & Breathers BA12
Reducing Bushings BA13
Threaded Insert Plugs BA14



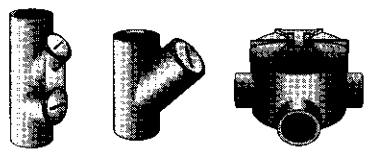
GUA Outlet Boxes BA15
GUA Accessory Covers BA18-BA21
ECHF Flexible Fixture Supports BA22
GUJ Outlet Boxes BA24



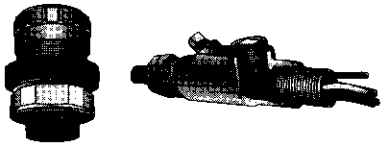
GUEB Outlet Boxes BA27
OE Outlet Boxes BA28
LBH Pulling Elbows BA30
LBY Capped Elbows BA31

45° & 90° Elbows BA32-BA34
Reducers/Enlargers BA35

Flexible Couplings BA36-BA37
Pull Box Fittings BA38
Thread Lubricant BA39



Aluminum Sealing Fittings BB1
Aluminum GUA Outlet Boxes BB2



JMCX MC Cable Connectors BC1
EYTC Tray Cable Sealing Fittings BC3

Notes

Fundamentals of Hazardous Locations

Introduction

A hazardous location is defined as an area where a potential for fire or explosion exists due to the presence of flammable gases, liquids or vapors, combustible dusts or fibers and flyings in sufficient quantities to produce an explosion or ignitable mixture.

These hazards may exist during normal manufacturing or handling processes, or in case of accidental rupture or breakdown of storage containers or systems, or abnormal operation of equipment.

Ignition can result from the normal operation of switches, motors and receptacles as contacts open and close, or from heat producing equipment such as lighting fixtures and motors where operating temperatures exceed the ignition temperature of the surrounding atmosphere. Another source is the electrical system, either through faulty connections causing arcs and sparks, or faults due to insulation failure.

The National Electrical Code

To insure safe electrical systems in hazardous locations, standards for electrical installations have been established by the National Electrical Code (NEC), sponsored by the National Fire Protection Association (NFPA). The NEC establishes minimum standards for the design and installation of electrical products, found in Articles 500 through 516.

Class I Locations

Locations in which flammable gases or vapors may be present in the atmosphere in quantities sufficient to produce explosive or ignitable mixtures. These locations would be classified Division I when the gases or vapors exist continuously or periodically under normal operating conditions or Division II if they are handled in closed containers or systems and are present under abnormal conditions.

Class I gases and vapors are broken into four Groups by the NEC: A, B, C and D. The materials are designated for each group according to explosive pressure, ignition temperature, flammable characteristics and other variables.

Class I Groups are typified by some of the following:

Group A Acetylene
Group B Hydrogen, butadiene, ethylene oxide, etc.
Group C Ethylene, cyclopropane, carbon monoxide, etc.
Group D Gasoline, acetone, butane, propane, alcohol, natural gas (methane), etc.

International Electrotechnical Commission

The NEC also addresses the International Electrotechnical Commission (IEC) method of classification of hazardous locations, found in Article 505.

Class I gases and vapors are broken into three Groups by the IEC IIC, IIB and IIA. The materials are designated for each group according to the maximum experimental safe gap, minimum igniting current or both. (For further information refer to IEC publication 79-1A (1975), 79-12 (1978) and UL Technical Report No. 58 (1993).

Group IIC Acethylene, hydrogen or gases or vapors of equivalent hazard.
Group IIB Acetaldehyde, ethylene or gases or vapors of equivalent hazard.
Group IIA Propane or gases or vapors of equivalent hazard.

Refer to Article 505 for specific Zone classification and application.

Typical Class I Locations:
Petrochemical plants
Petroleum refining facilities
Aircraft hangers and fuel servicing areas
Spray finishing areas
Dry cleaning plants
Solvent plants
Gas manufacturing facilities

Class II Locations

Locations where the presence of combustible dusts are in the air in sufficient quantities to ignite or explode. These locations would be classified Division I when the dusts are suspended in air continuously or periodically and where equipment failure or abnormal operation may cause ignition of the explosive mixtures. A Division II location exists where dust is not in suspension but, accumulates in quantities sufficient to prevent the dissipation of heat from electrical equipment or may be ignited by sparks, arcs or burning material from the equipment.

Class II locations contain both conductive and non-conductive dusts and are arranged by the National Electrical Code into Groups E, F and G according to the ignition temperature and electrical resistivity.

Group E contains metal dusts regardless of resistivity and dusts in similar hazardous characteristics with a resistivity of less than 10^5 ohms-centimeter, e.g., metals, aluminum, magnesium, and chemical dusts.

Fundamentals of Hazardous Locations

Group F contains carbon black, charcoal, coal or coke dusts which have more than 8% total volatile material (carbon black per ASTM D1620, charcoal, coal and coke dusts per ASTM D271) or atmospheres containing these dusts sensitized by other materials so that they present an explosion hazard, and having resistivity greater than 10^2 ohm-centimeter but equal to or less than 10^8 ohm-centimeter.

Group G contains non-conductive dusts having a resistivity of 10^5 ohms-centimeter or greater, e.g., flour, starch, grain, combustible plastics, and chemical dusts.

Typical Class II Locations:
Flour and feed mills
Grain elevators
Fireworks manufacturing facilities
Sugar and cocoa processing plants
Magnesium and aluminum manufacturing facilities
Confectionary producers
Coal handling facilities
Pharmaceutical plant
Starch processing plants

Class III Locations

Locations in which easily ignitable fibers or flyings are present but, are not likely to be in suspension in the air in quantities sufficient to produce ignitable mixtures. These locations would be classified Division I where ignitable fibers or materials producing combustible flyings are manufactured, used or handled, or Division II where ignitable fibers are handled or stored, but no manufacturing processes are performed.

Typical Class III Locations:
Textile mills
Woodworking plants
Cotton mills
Flax processing plants
Clothing manufacturing plants
Thread and yarn mills

Equipment Design

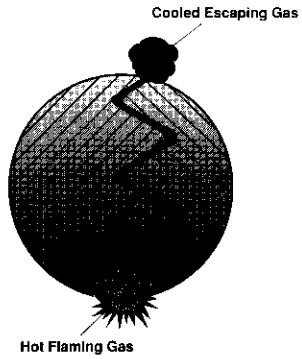
In hazardous locations, there exists a potential for fire and explosions due to the flammable or combustible nature of the materials that may be present. As a result, precautions must be taken to guard against the ignition of the atmosphere. Three basic conditions must be present for a fire or explosion to occur:
1. Sufficient amounts of flammable liquid, vapors or combustible dust present.
2. Correct mixture of air with the flammable liquids and vapors or combustible dusts.
3. A source of ignition.

Conduit systems in Class I locations are not "gas-tight". Combustible vapors normally accumulate with the electrical system, and will explode with the proper mixture of fuel, air and ignition. Equipment for Class I locations is "Explosion-Proof," that is, designed to contain the internal explosion while allowing the hot gases to cool and vent so as not to ignite the surrounding atmosphere.

Equipment for use in Class II locations would be "Dust-Ignition Proof," and designed with close fitting and/or gasketed parts, to preclude the entry of dusts into the enclosure. Consideration must also be given to the heat build up that could occur, due to the layer of dust that may settle on the equipment.

Enclosures for Class III installations must preclude the entrance of fibers and flyings, and must have no openings to allow sparks or burning material to escape. This equipment must also operate at a temperature lower than the point of combustion of the hazardous material.

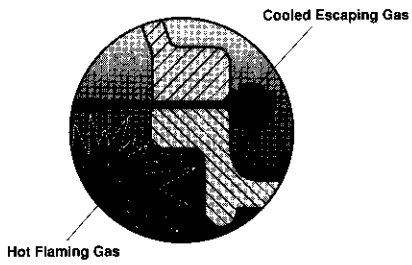
Typical O-Z/Gedney product Type GUA Outlet Box



Threaded Joint

The use of threaded joint construction also allows the gases to be vented and cooled. The gases travel from inside the enclosure over the threads and the temperature is reduced to below the ignition point of the surrounding atmosphere.

Typical O-Z/Gedney product Type OFB Hazardous Location Junction Box



Flat-Ground Joint

One means of venting the hot gases is to have them travel between two accurately machined, close-fitting metal surfaces. This allows the gases to be cooled to a temperature below the ignition point of the surrounding atmosphere.

Hazardous Location Conduit Unions

Type UNF
Female/Female

Type UNY
Male/Female

Use:
To join two pieces of conduit or fittings.

Features:
- Threaded for Rigid Conduit or IMC
- Tapered threads (NPT)

Material/Finish:
Types UNF/UNY
Steel/Zinc Plated ½" - 1"
Malleable iron/Zinc Plated 1¼" - 6"
Types UNF-A/UNY-A
Copper Free Aluminum ½" - 6"

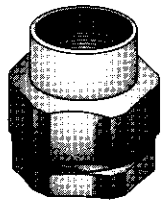
Third Party Certification:
UL Listed: E-34997
½" - 1"
UL Listed for:
Class I Groups A, B, C, D
Class II Groups E, F, G
1¼" - 6"
UL Listed for:
Class I Groups B, C, D
Class II Groups E, F, G

CSA Certified: LR9795

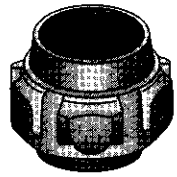
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F28675

Trade Size (inches)	Catalog Number	Dimension in Inches Overall Lgth	Max. Dia.
Steel/Malleable Iron			
½	UNF-50S	1¾	1½
¾	UNF-75S	1¾	1⅞
1	UNF-100S	2	2 1/16
1¼	UNF-125	2¼	2¾
1½	UNF-150	2⅝	3 1/16
2	UNF-200	2 9/16	3¾
2½	UNF-250	3 3/16	4¼
3	UNF-300	3 7/16	5
3½	UNF-350	4⅛	5⅝
4	UNF-400	4⅛	6 3/16
5	UNF-500	4¼	8¼
6	UNF-600	4¼	9⅜
Copper Free Aluminum			
½	UNF-50A	1¾	1½
¾	UNF-75A	1¾	1 25/32
1	UNF-100A	2	2 1/16
1¼	UNF-125A	2¼	2¾
1½	UNF-150A	2⅝	3 1/16
2	UNF-200A	2 9/16	3 1/16
2½	UNF-250A	3 3/16	4¼
3	UNF-300A	3 7/16	5
3½	UNF-350A	4⅛	5 5/16
4	UNF-400A	4⅛	6 3/16
5	UNF-500A	4 5/16	8¼
6	UNF-600A	4 5/16	9⅜

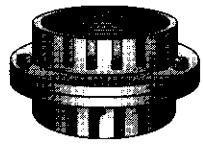
Trade Size (inches)	Catalog Number	Dimension in Inches Overall Lgth	Max. Dia.
Steel/Malleable Iron			
½	UNY-50S	2¼	1½
¾	UNY-75S	2¼	1⅞
1	UNY-100S	2½	2 1/16
1¼	UNY-125	3 3/16	2¾
1½	UNY-150	3 3/16	3 1/16
2	UNY-200	3¾	3¾
2½	UNY-250	4⅝	4¼
3	UNY-300	5	5
3½	UNY-350	5½	5⅝
4	UNY-400	5⅝	6 3/16
5	UNY-500	6⅛	8¼
6	UNY-600	6⅛	9⅜
Copper Free Aluminum			
½	UNY-50A	2¼	1½
¾	UNY-75A	2¼	1⅞
1	UNY-100A	2½	2 1/16
1¼	UNY-125A	3 3/16	2¾
1½	UNY-150A	3 3/16	3 1/16
2	UNY-200A	3¾	3 1/16
2½	UNY-250A	4⅝	4¼
3	UNY-300A	5	5
3½	UNY-350A	5½	5 5/16
4	UNY-400A	5⅝	6 3/16
5	UNY-500A	6⅛	8¼
6	UNY-600A	6⅛	9⅝



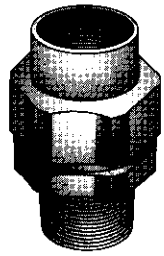
Type UNF-50S—Type UNF-100S



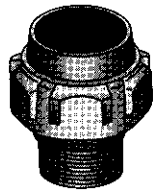
Type UNF-125—Type UNF-400



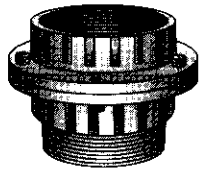
Type UNF-500—Type UNF-600



Type UNY-50S—Type UNY100S



Type UNY-125—Type UNY-400



Type UNY-500—Type UNY-600

Hazardous Location Expansion Conduit Unions

Types UNFE & UNYE
Standard Length

Types UNFEL & UNYEL
Long Length

Use:
To provide for slight expansion and contraction of conduit runs.
To retrofit sections of conduit runs.

Features:
- Tapered threaded hubs (NPT) for rigid conduit and IMC
- Telescoping components allows conduit to be inserted between fixed threaded hubs
- Internal copper alloy grounding spring assures positive grounding
- Close tolerance of mating parts eliminates passage of flame
- Compact diameter allows use where conduit is closely spaced
- Available in standard and long style, male and female version

Material/Finish:
Body/Sleeve - Steel/Zinc Electroplate
Grounding Spring - Beryllium Copper/Natural Finish

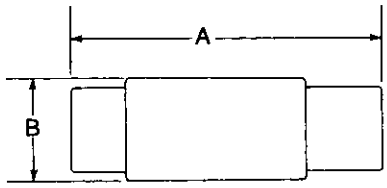
Third Party Certification:
UL Listed: E-34997
Class I Groups C,D
Class II Groups E, F, G

CSA Certified: LR9795

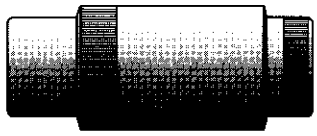
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F28675

Suggested Specification:
In a hazardous location, when a threaded conduit member cannot be rotated and expansion must be provided, a hazardous location expansion union shall be required. These fittings shall be steel construction with a beryllium copper grounding spring and U.L. Listed, CSA Certified. Hazardous location expansion unions shall be O-Z/Gedney Type UNFE and UNYE standard length, or UNFEL and UNYEL long style.

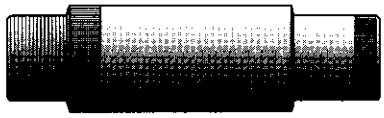
Trade Size (inches)	Catalog Number	Dimensions in Inches Sleeve Length A-Min	A-Max	Max Dia-B
Short Length				
½	UNFE-50S	2 13/16	3 5/16	1 3/16
¾	UNFE-75S	2 13/16	3 5/16	1 7/16
1	UNFE-100S	3 3/32	3 23/32	1 11/16
½	UNYE-50S	2 3/4	3 1/4	1 3/16
¾	UNYE-75S	2 3/4	3 1/4	1 7/16
1	UNYE-100S	3	3 5/8	1 11/16
Long Length				
½	UNFEL-50S	3 5/16	4 5/16	1 3/16
¾	UNFEL-75S	3 5/8	4 7/16	1 7/16
1	UNFEL-100S	3 25/32	5 3/32	1 11/16
½	UNYEL-50S	3 1/4	4 1/4	1 3/16
¾	UNYEL-75S	3 5/16	4 3/8	1 7/16
1	UNYEL-100S	3 11/16	5	1 11/16



Patent Pending



Type UNFE
Female/Female

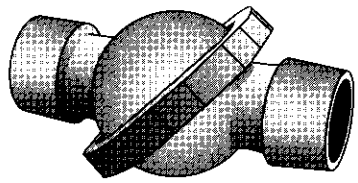


Type UNYE
Female/Male

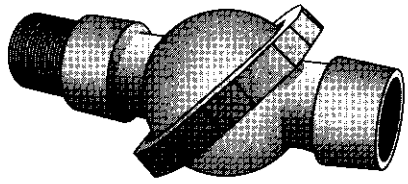
Hazardous Location Swivel Unions

Type UNA
Female/Female
Type UNAM
Male/Female

Trade Size (inches)	Catalog Number	Catalog Number	Dimension in inches Overall Length	Max. Dia.
½	UNA-50	UNAM-50	4	1⅞
¾	UNA-75	UNAM-75	4½	2 1/16
1	UNA-100	UNAM-100	5¼	2½



Type UNA
Female/Female



Type UNAM
Male/Female

Features:
- Allows Conduit to be joined at angles
- Threaded for Rigid Conduit or IMC
- Tapered Threads (NPT)

Material/Finish:
Gray Iron/Zinc Plated

Third Party Certification:
UL Listed: E-34997
Class I Groups C, D
Class II Groups E, F, G

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 886
National Electrical Code: Articles 500-503
CSA Standard: C22.2 No. 30

Hazardous Location Sealing Fittings

Type EYA
Female/Female

Type EYAM
Male/Female

Use:
For vertical or horizontal conduit runs.

Features:
- Threaded for Rigid Conduit or IMC
- Female/Female and/or Male/Female
- Tapered threads (NPT)

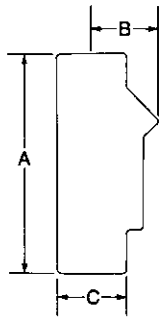
Material/Finish:
Malleable Iron/Zinc Plated

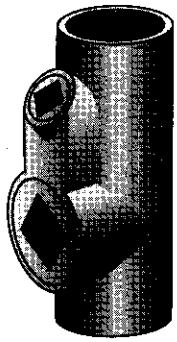
Optional Finish:
Hot Dip and/or Mechanically Galvanized.
½" - 1½" Mechanical Galvanized
2" - 6" Hot Dip Galvanized
All sizes of plugs are Mechanical Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-34997
CSA Certified: LR9795
Suitable for wet locations.

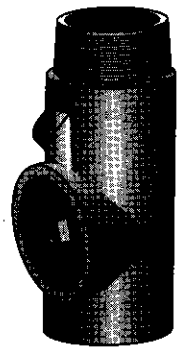
UL Listed using: O-Z/Gedney EYC sealing compound or Crouse-Hinds Chico compound in these fitting.
CSA Certified using any manufacturer's CSA certified sealing compound.
½" - 1" EYA/EYAM
Class I Groups A, B, C, D
Class II Groups E, F, G
1¼" - 2" EYA/EYAM
Class I Group C, D
Class II Groups E, F, G
2½" - 4" EYA/EYAM
Class I Groups B, C, D
Class II Groups E, F, G
5" - 6" EYA/EYAM
Class I Groups C, D
Class II Groups E, F, G

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675





Type EYA-50—EYA 600
Female/Female



Type EYAM-50—Type 600
Male/Female

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
½	EYA-50	3¾	1⅛	1¼	¾ oz	½₂ oz
¾	EYA-75	3 11/16	1¼	1⅜	1½ oz	1/16 oz
1	EYA-100	4 5/16	1⅜	1¾	2¼ oz	⅛ oz
1¼	EYA-125	5 1/16	1⅞	2	6 oz	¼ oz
1½	EYA-150	5½	2	2¼	9 oz	½ oz
2	EYA-200	6¼	2⅜	2¾	15 oz	1 oz
2½	EYA-250	7¼	2¾	3¼	1 lb 3oz	1½ oz
3	EYA-300	8¼	3⅛	3⅞	1 lb 8oz	2 oz
3½	EYA-350	8⅞	3½	4⅜	3 lb 0oz	3 oz
4	EYA-400	9½	3¾	5	4 lb 8oz	4½ oz
5	EYA-500	11 11/16	4⅜	6 5/16	11 lb 8oz	7 oz.
6	EYA-600	12⅛	8 5/16	7⅜	18 lb 8oz	10 oz
½	EYAM-50	3¾	1⅛	1¼	¾ oz	½₂ oz
¾	EYAM-75	3 11/16	1¼	1⅜	1½ oz	1/16 oz
1	EYAM-100	4 5/16	1⅜	1¾	2¼ oz	⅛ oz
1¼	EYAM-125	5 1/16	1⅞	2	6 oz	¼ oz
1½	EYAM-150	5½	2	2¼	9 oz	½ oz
2	EYAM-200	6¼	2⅜	2¾	15 oz	1 oz
2½	EYAM-250	7¼	2¾	3¼	1 lb 3oz	1½ oz
3	EYAM-300	8¼	3⅛	3⅞	1 lb 8oz	2 oz
3½	EYAM-350	8⅞	3½	4⅜	3 lb 0oz	3 oz
4	EYAM-400	9½	3¾	5	4 lb 8oz.	4½ oz
5	EYAM-500	11 11/16	4⅜	6 5/16	11 lb 8oz.	7 oz
6	EYAM-600	12⅛	8 5/16	7⅜	18 lb 8 oz	10 oz

Hazardous Location Sealing Fittings

Type EY
Female/Female
Type EYM
Male/Female

Use:
For vertical conduit runs only.

Features:
- Female/Female or Male/Female
- Tapered threads (NPT)
- Threaded for rigid conduit or IMC.

Material/Finish:
Malleable Iron/Zinc Plated

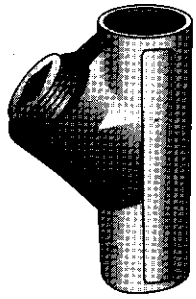
Optional Finish:
Mechanical Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-34997
UL Listed using O-Z/Gedney EYC sealing compound or Crouse-Hinds Chico compound in these fittings.

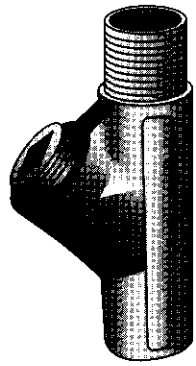
CSA Certified: LR9795
CSA Certified using any manufacturers CSA Certified sealing compound.

UL Listed for vertical conduit runs in:
Class I Groups C, D
Class II Groups E, F, G

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675

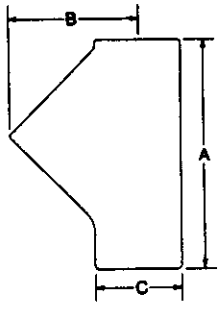


Type EY
Female/Female



Type EYM
Male/Female

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
½	EY-50	3 9/32	1 1/16	1⅛	¾ oz	½ oz
¾	EY-75	3 1/16	2	1 5/16	1¾ oz	1/16 oz
1	EY-100	4⅜	2 7/16	1⅝	3¾ oz	⅛ oz
1¼	EY-125	5 1/16	2⅝	2	6 oz	¼ oz
1½	EY-150	5½	3	2¼	9 oz	½ oz
2	EY-200	5¼	3⅝	2¾	15 oz	1 oz
½	EYM-50	3 9/32	1 1/16	1⅛	¾ oz	½ oz
¾	EYM-75	3 1/16	2	1 5/16	1¾ oz	1/16 oz
1	EYM-100	4⅜	2 7/16	1⅝	3¾ oz	⅛ oz
1¼	EYM-125	5 1/16	2⅝	2	6 oz	¼ oz
1½	EYM-150	5½	3	2¼	9 oz	½ oz
2	EYM-200	5¼	3⅝	2¾	15 oz	1 oz



Hazardous Location Sealing Fittings

Type EZS

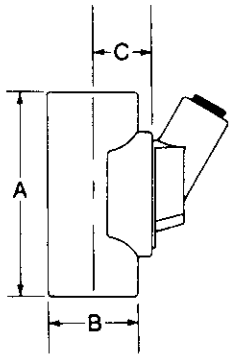
Use:
To seal conduit at any angle.

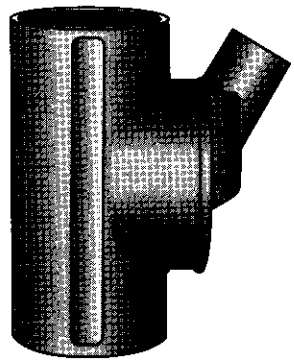
Features:
- Functions at any and all angles
- Small turning radius for close installations
- Sealing cover access opening sufficient for easy installation
- Suitable for wet locations
- Threaded for Rigid Conduit or IMC

Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
CSA Certified: LR9795
Class I Groups B, C, D
Class II Groups E, F, G
CSA Certified using any manufacturers CSA Certified sealing compound.

Applicable Third Party Standards:
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F28675





Type EZS

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
½	EZS-50	4 3/16	1 1/8	1 3/4	¾ oz.	1/32 oz.
¾	EZS-75	4 3/16	1 11/32	1 7/8	1½ oz	1/16 oz
1	EZS-100	4 15/16	1 3/8	1 7/8	2¼ oz	1/8 oz
1¼	EZS-125	4 5/8	2	2 1/8	6 oz	¼ oz
1½	EZS-150	4 3/4	2 1/4	2 1/4	9 oz	½ oz
2	EZS-200	5 5/8	2 3/4	2 3/8	15 oz	1 oz
2½	EZS-250	6 3/4	3 5/16	3	1lb 3 oz	1½ oz
3	EZS-300	7 7/8	3 15/16	3 1/4	1lb 8 oz	2 oz
3¼	EZS-350	8	4 3/8	3 3/4	3lb	3 oz
4	EZS-400	9 1/8	5	4	4lb 8 oz	4½ oz

Hazardous Location Drain/Seal Fittings

Type EYD
Female/Female
Type EYDM
Male/Female

Use:
Used in hazardous locations for vertical installations only.
Seal and drain conduit.

Features:
- Threaded for Rigid Conduit or IMC
- All threaded (NPT)
- Simple to install. Internal drainage path provides a visual means to ensure that the compound chamber is properly filled. No need to use hoses and wires
- Large cover opening for easy packing of fiber dam on 1¼" through 4" sizes
- Temporary plastic sleeve protects thread for drain/breather from contamination when pouring compound
- Unique patented design enables installation of stainless steel drain/breather right after compound is poured - no waiting
- Can be used with O-Z/Gedney Type EYC or Crouse-Hinds Chico Sealing Compound
- Provides continuous water drain path while allowing conduit run to breathe, in compliance with the NEC

Material/Finish:
Malleable Iron Body Seal Cover and Filler Plug/Zinc Plated
Stainless Steel Drain/Breather/Zinc Plated

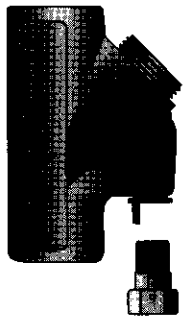
Note: Turning radius shown for 1¼" and larger sizes is with filling cover removed.

Third Party Certification:
UL Listed: E-34997
Class I, Groups C, D
Class II, Groups F, G
Suitable for wet locations

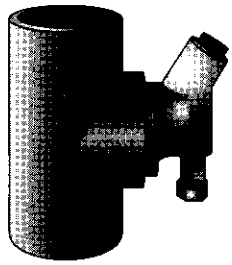
CSA Certified: LR9795

CSA Certified using any manufacturers CSA Certified sealing compound.

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675

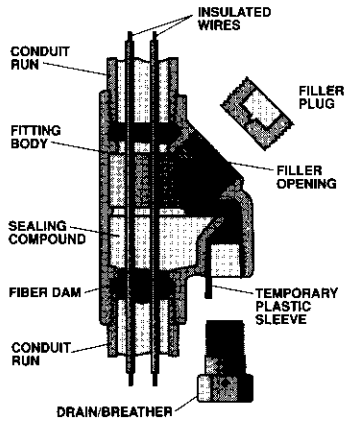


Type EYD
Patented



Type EYD/EYDM
1¼" – 4"

Type EYDM
Patented



Trade Size (inches)	Catalog Number	Dimensions in Inches: Overall Length	Body Length	Turning Radius	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
½	EYD-50	3½	1⅛	1⅝	1¼oz	1/32 oz
¾	EYD-75	3¾	1⅜	1¾	2 oz	1/16 oz
1	EYD-100	4⅜	1¾	2⅛	4 oz	⅛ oz
1¼	EYD-125	4⅝	2	2 1/16*	6 oz	¼ oz
1½	EYD-150	4¾	2¼	2 3/16*	9 oz	½ oz
2	EYD-200	5⅜	2¾	2⅜*	15 oz	1 oz
2½	EYD-250	6¾	3⅜	3*	1½lb	1½ oz
3	EYD-300*	7⅞	3 15/16	3 3/16*	2½lb	2 oz
3½	EYD-350*	8	4⅜	3¾*	3½lb	3 oz
4	EYD-400*	9⅛	5	4*	5 lb	4½ oz
½	EYDM-50	3½	1⅛	1⅝	1¼oz	1/32 oz
¾	EYDM-75	3¾	1⅜	1¾	2 oz	1/16 oz
1	EYDM-100	4⅜	1¾	2⅛	4 oz	⅛ oz
1¼	EYDM-125	4⅝	2	2 1/16*	6 oz	¼ oz
1½	EYDM-150	4¾	2¼	2 3/16*	9 oz	½ oz
2	EYDM-200	5⅜	2¾	2⅜*	15 oz	1 oz
2½	EYDM-250	6¾	3⅜	3*	1½lb	1½ oz
3	EYDM-300*	7⅞	3 15/16	3 3/16*	2½lb	2 oz
3½	EYDM-350*	8	4⅜	3¾*	3½lb	3 oz
4	EYDM-400*	9⅛	5	4*	5 lb	4½ oz

* Not UL Listed

Hazardous Location Sealing Hub

Type EYH
Type EYH-SG
(Provided with locknut and gasket.)

Use:
Economical method of sealing vertical conduit entering the bottom of a threaded box or enclosure. In ordinary locations, can be used as a male thread enlarger or conduit hub.

Features:
- Tapered thread (NPT)
- For Rigid Conduit or IMC
- Can be used with O-Z/Gedney Type EYC sealing compound or Crouse-Hinds Chico sealing compound
- Type EYHSG is provided with a locknut and sealing gasket for boundary seal applications in a knockout

Material/Finish:
Malleable Iron/Zinc Plated

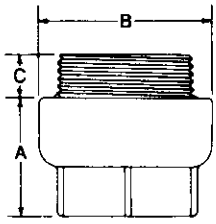
Third Party Certification:
UL Listed: E-34997

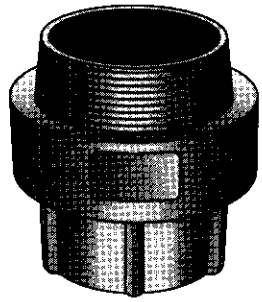
CSA Certified: LR9795
Class I Groups C, D
Class II Groups E, F, G
Suitable for wet locations

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675

Suggested Specification:
A hazardous location sealing hub shall be used where vertical conduit enters the bottom of a threaded box or enclosure which may produce arcs, sparks, or high temperatures.

These fittings shall be Malleable Iron construction with tapered threaded hubs and shall be UL Listed. Hazardous location sealing hubs shall be O-Z/Gedney Type EYH.





Type EYH

Trade Size Female Hub (inches)	Trade Size Male Hub (inches)	Catalog Number	Dimensions in Inches A	B	C	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
1	1½	EYH-1015	2	2½	¾	6 oz	⅛ oz
1¼	2	EYH-1220	2	3	¾	9 oz	¼ oz
1½	2	EYH-1520	2	3	¾	10 oz	½ oz
2	2½	EYH-2025	2⅛	3½	1⅛	1 lb	1 oz
3	4	EYH-3040	3½	5⅛	1⅜	3 lb 8 oz	2 oz
4	5	EYH-4050	4⅜	6⅛	1⅜	7 lb 3 oz	4½ oz
1	1½	EYH-1015SG	2	2½	¾	6 oz	⅛ oz
1¼	2	EYH-1220SG	2	3	¾	9 oz	¼ oz
1½	2	EYH-1520SG	2	3	¾	10 oz	½ oz
2	2½	EYH-2025SG	2⅛	3½	1⅛	1 lb	1 oz
3	4	EYH-3040SG	3½	5⅛	1⅜	3 lb 8oz	2 oz
4	5	EYH-4050SG	4⅜	6⅛	1⅜	7 lb 3oz	4½ oz

Sealing Compound & Fibre

Type EYC
Type EYF

Use:
To provide a seal around and between electrical conductors within a sealing fitting.

Features:
- Provides quick curing time (one hour at 70 F)
- Can be mixed and poured from the container provided
- For use with O-Z/Gedney Hazardous Location Sealing Fittings

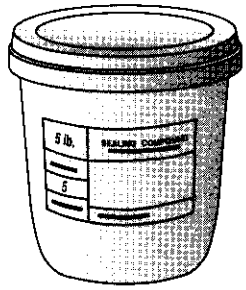
Third Party Certification:
UL Listed when used with O-Z/Gedney sealing fittings

CSA Certified: LR9795

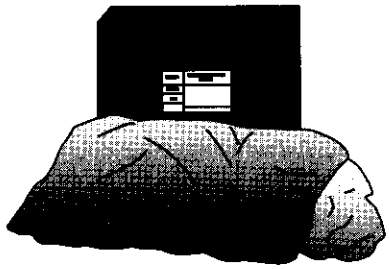
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 501 & 502

Catalog Number	Package Weight
EYC-8-oz	8 oz
EYC-16-oz	16 oz
EYC-5-LB.	5 lb
EYC-10-LB.	10 lb
EYF-4	4 oz
EYF-8	8 oz
EYF-16	1 lb

Approximate Amount Required per Hub		
Hub Size	Compound	Fibre
½	¾ oz	1/32 oz
¾	1½ oz	1/16 oz
1	2¼ oz	⅛ oz
1¼	6 oz	¼ oz
1½	9 oz	½ oz
2	15 oz	1 oz



Type EYC



Type EYF

Hazardous Location Drains & Breathers

Type DB & Type DBB

Use:
May be used as a combination drain or breather. When installed at the top of an enclosure it acts as a breather. When Installed in the bottom of an enclosure it acts as a drain for moisture inside the enclosure, (remove cap on Type DBB).

Features:
Tapered threads (NPT)

Material/Finish:
Stainless Steel

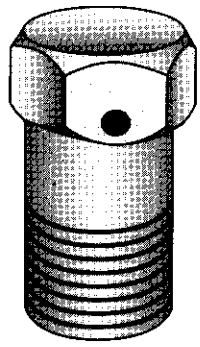
Third Party Certification:
UL Listed: E-34997

CSA Certified: 9795
Type DB:
Class I Groups C, D
Class II Groups F, G
Type DBB:
Class I Groups B, C, D
Class II Groups E, F, G

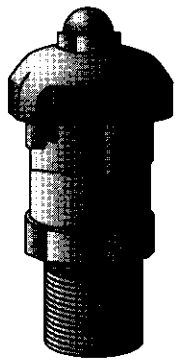
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30

Trade Size (inches)	Catalog Number	Dimensions in inches Length	Max Dia
⅜	DB-38*	-	-
½	DB-50	1½	1
½	DBB-50	3¼	1 7/16

*UL component recognized



Type DB



Type DBB
with removable cap

Hazardous Location Reducing Bushings

Type RB

Flush Type Reducers

Use:
To reduce the trade size of a taped hole or hub.

Features:
- Tapered threads (NPT)
- Smooth internal bushing protects conductors
- Threaded for Rigid Conduit or IMC

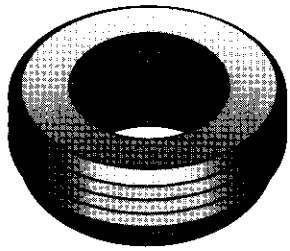
Material/Finish:
Steel/Zinc Plated
(RB-321S through RB-330S)
Malleable Iron/Zinc Plated
(RB-331 through RB-357)
Copper-free Aluminum/Natural

Third Party Certification:
UL Listed: E-34997
RB-321S through RB-330S
RB-321A through RB-330A
Class I Groups A, B, C, D
Class II Groups E, F, G
RB-331 through RB-357
RB-331A through RB-357A
Class I Groups B, C, D
Class II Groups E, F, G

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30

Trade Size (inches)	Catalog Number	Aluminum Catalog Number	Dim. in Inches Body Length
¾ - ½	RB-321S	RB-321A	23/32
1 - ¾	RB-322S	RB-322A	23/32
1 - ½	RB-323S	RB-323A	23/32
1¼ - ½	RB-324S	RB-324A	13/16
1¼ - ¾	RB-325S	RB-325A	13/16
1¼ - 1	RB-326S	RB-326A	13/16
1½ - 1¼	RB-327S	RB-327A	13/16
1½ - 1	RB-328S	RB-328A	13/16
1½ - ¾	RB-329S	RB-329A	13/16
1½ - ½	RB-330S	RB-330A	13/16
2 - 1½	RB-331	RB-331A	7/8
2 - 1¼	RB-332	RB-332A	7/8
2 - 1	RB-333	RB-333A	7/8
2 - ¾	RB-334	RB-334A	7/8
2 - ½	RB-335	RB-335A	7/8
2½ - 2	RB-336	RB-336A	1
2½ - 1½	RB-337	RB-337A	1
2½ - 1	RB-339	RB-339A	1
3 - 1½	RB-340	RB-340A	1¼
3 - 2	RB-341	RB-341A	1¼
3 - 2½	RB-342	RB-342A	1¼
3½ - 3	RB-349	RB-349A	1⅜
3½ - 2½	RB-350	RB-350A	1⅜
4 - 2	RB-351	RB-351A	1½
4 - 2½	RB-355	RB-355A	1½
4 - 3	RB-356	RB-356A	1½
4 - 3½	RB-357	RB-357A	1½



Type RB

Hazardous Location Threaded Insert Plugs

For Outlet Boxes & Hubs

Type PLG

Use:
To close up a taped hole or hub

Features:
Threaded (NPT)

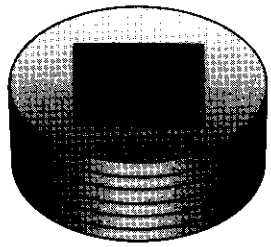
Material/Finish:
½" - 1" Steel/Zinc Plated or
Copper-free Aluminum
1¼" - 6" Malleable Iron/Zinc Plated
or Copper-free Aluminum

Third Party Certification:
UL Listed: E-34997
Suitable for wet locations.
UL Listed for hazardous location use as follows:
PLG-50R through PLG-100R;
PLG-50RA through PLG-100RA:
Class I Groups A, B, C, D
Class II Groups E, F, G
PLG-125R through PLG-200R,
PLG-125RA through PLG-200RA
PLG-250C through PLG-400C:
Class I Groups B, C, D
Class II Groups E, F, G
PLG-250CA through PLG-400CA:
Class I Groups C, D
Class II Groups E, F, G
PLG-500C, PLG-600C:
Class I Group D
Class II Groups E, F, G

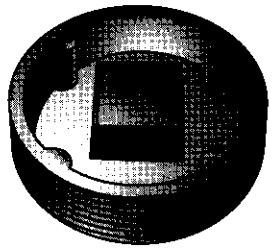
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30

Trade Size (inches)	Catalog Number	Aluminum Catalog Number	Dim. in Inches Body Thk.	Socket Size
½	PLG-50R	PLG-50RA	½	⅜
¾	PLG-75R	PLG-75RA	½	½
1	PLG-100R	PLG-100RA	¾	½
1¼	PLG-125R	PLG-125RA	¾	¾
1½	PLG-150R	PLG-150RA	¾	¾
2	PLG-200R	PLG-200RA	¾	1
2½	PLG-250C	PLG-250CA	1⅛	n/a
3	PLG-300C	PLG-300CA	1¼	n/a
3½	PLG-350C	PLG-350CA	1¼	n/a
4	PLG-400C	PLG-400CA	1¼	n/a
5	PLG-500C		1⅜	n/a
6	PLG-600C		1½	n/a



Type PLG-50R—Type PLG-200R
Type PLG-50RA—Type PLG-200RA
(Internal Recessed)



Type PLG-250C— Type PLG-600C
Type PLG-250CA—Type PLG-400CA
(Patented)

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

Type GUA

With internally threaded bodies

Features:
- O-Ring gasket provided provided to assure NEMA 4 rating
- Smooth hub bushing protects insulation when pulling conductors
- Cast-in brackets on cover for use with Breaker-bar tools
- Tapered threaded hubs (NPT)
- Threaded for Rigid Conduit or IMC

Material/Finish:
½" - 1" Copper-free Aluminum cover with Malleable Iron body/Zinc Plated Aluminum Enamel
1¼" - 2" Malleable Iron cover and body/Zinc Plated Aluminum Enamel

Third Party Certification:
For Standard and MC versions
UL Listed: E-30513
Listed for:
Class I Groups C, D
Class II Group E, F, G
Class III
Watertight (Type 4)

CSA Certified: 20945

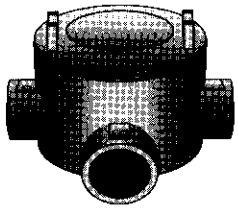
◄**FM**► Approved File No. OG 9AO.AE

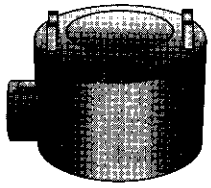
Applicable Third Party Standards:
UL Standard: 886
CSA: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586D
FM Standard: FMRC 3615

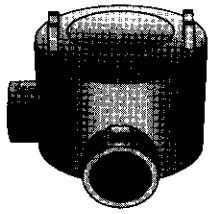
Suggested Specifications:
Hazardous location conduit outlet boxes shall be used in hazardous locations to provide for change in conduit direction, access to conductors, and as pull and splice boxes. They shall be malleable iron, with internally threaded bodies and cast in brackets on the cover. The boxes shall be UL Listed and suitable for wet locations. Hazardous location conduit outlet boxes shall be O-Z/Gedney Type GUA.

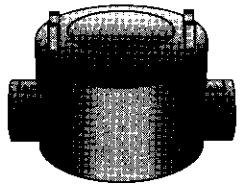
Dimensional Data:
See Pages BA16, BA17

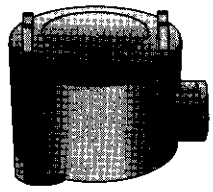
Trade Size (inches)	Catalog Number	Catalog Number	Catalog Number
	Aluminum Cover/ Malleable Iron Body	Malleable Iron Cover/Body	Malleable Iron Cover/Body UL/CSA/FM Approved with Ground Screw/Lug
½	GUAT-50	GUAT-50MC	GUAT-50CS
¾	GUAT-75	GUAT-75MC	GUAT-75CS
1	GUAT-100	GUAT-100MC	GUAT-100CS
1¼		GUAT-125	GUAT-125CS
1½		GUAT-150	GUAT-150CS
2		GUAT-200	GUAT-200CS
½	GUAE-50	GUAE-50MC	GUAE-50CS
¾	GUAE-75	GUAE-75MC	GUAE-75CS
1	GUAE-100	GUAE-100MC	GUAE-100CS
½	GUAL-50	GUAL-50MC	GUAL-50CS
¾	GUAL-75	GUAL-75MC	GUAL-75CS
1	GUAL-100	GUAL-100MC	GUAL-100CS
1¼		GUAL-125	GUAL-125CS
1½		GUAL-150	GUAL-150CS
2		GUAL-200	GUAL-200CS
½	GUAC-50	GUAC-50MC	GUAC-50CS
¾	GUAC-75	GUAC-75MC	GUAC-75CS
1	GUAC-100	GUAC-100MC	GUAC-100CS
1¼		GUAC-125	GUAC-125CS
1½		GUAC-150	GUAC-150CS
2		GUAC-200	GUAC-200CS
½	GUALB-50	GUALB-50MC	GUALB-50CS
¾	GUALB-75	GUALB-75MC	GUALB-75CS
1	GUALB-100	GUALB-100MC	GUALB-100CS
1¼		GUALB-125	GUALB-125CS
1½		GUALB-150	GUALB-150CS
2		GUALB-200	GUALB-200CS
½	GUAX-50	GUAX-50MC	GUAX-50CS
¾	GUAX-75	GUAX-75MC	GUAX-75CS
1	GUAX-100	GUAX-100MC	GUAX-100CS
1¼		GUAX-125	GUAX-125CS
1½		GUAX-150	GUAX-150CS
2		GUAX-200	GUAX-200CS

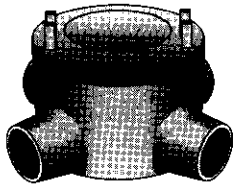

Type GUAT


Type GUAE


Type GUAL


Type GUAC


Type GUALB

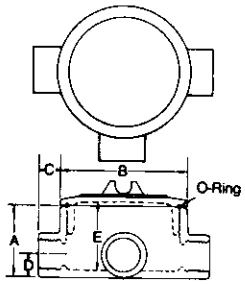

Type GUAX

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

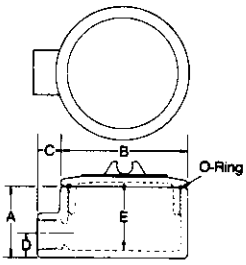
Dimensional Data:

Type GUAT



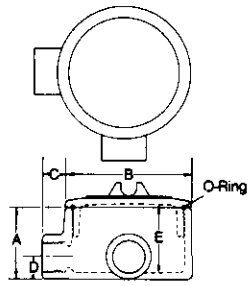
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAT-50	½	2	3⅝	¾	⅝	2	3	13.5
GUAT-75	¾	2¼	3⅝	¾	¾	2⅛	3	15.0
GUAT-100	1	2½	3⅝	⅞	⅞	2⅜	3	17.0
GUAT-125	1¼	3⅛	4¼	1⅛	1⅛	3	3¾	30.0
GUAT-150	1½	3¾	5⅛	1⅛	1¼	3¾	5⅛	70.0
GUAT-200	2	4⅛	5⅛	⅞	⅞	4⅛	5⅛	75.0

Type GUAE



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAE-50	½	2	3⅝	¾	⅝	2	3	13.5
GUAE-75	¾	2¼	3⅝	¾	¾	2⅛	3	15.0
GUAE-100	1	2½	3⅝	⅞	⅞	2⅜	3	17.0

Type GUAL



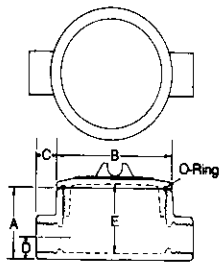
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAL-50	½	2	3⅝	¾	⅝	2	3	13.5
GUAL-75	¾	2¼	3⅝	¾	¾	2⅛	3	15.0
GUAL-100	1	2½	3⅝	⅞	⅞	2⅜	3	17.0
GUAL-125	1¼	3⅛	4¼	1⅛	1⅛	3	3¾	30.0
GUAL-150	1½	3¾	5⅛	1⅛	1⅛	3¾	5⅛	70.0
GUAL-200	2	4⅛	5⅛	⅞	⅞	4⅛	5⅛	75.0

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

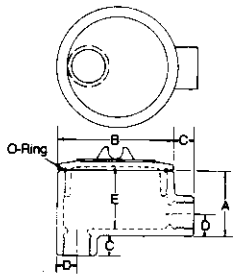
Dimensional Data:

Type GUAC



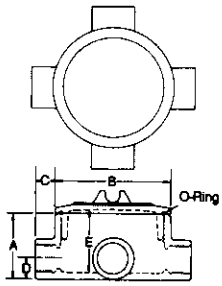
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAC-50	½	2	3⅝	¾	⅝	2	3	13.5
GUAC-75	¾	2¼	3⅝	¾	¾	2⅛	3	15.0
GUAC-100	1	2½	3⅝	⅞	⅞	2⅜	3	17.0
GUAC-125	1¼	3⅛	4¼	1⅛	1⅛	3	3¾	30.0
GUAC-150	1½	3¾	5⅝	1⅛	1¼	3¾	5⅛	70.0
GUAC-200	2	4⅛	5⅝	⅞	⅞	4⅛	5⅛	75.0

Type GUALB



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUALB-50	½	2	3⅝	¾	⅝	2	3	13.5
GUALB-75	¾	2¼	3⅝	¾	¾	2⅛	3	15.0
GUALB-100	1	2½	3⅝	⅞	⅞	2⅜	3	17.0
GUALB-125	1¼	3⅛	4¼	1⅛	1⅛	3	3¾	30.0
GUALB-150	1½	3¾	5⅝	1⅛	1¼	3¾	5⅛	70.0
GUALB-200	2	4⅛	5⅝	⅞	⅞	4⅛	5⅛	75.0

Type GUAX



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAX-50	½	2	3⅝	¾	⅝	2	3	13.5
GUAX-75	¾	2¼	3⅝	¾	¾	2⅛	3	15.0
GUAX-100	1	2½	3⅝	⅞	⅞	2⅜	3	17.0
GUAX-125	1¼	3⅛	4¼	1⅛	1⅛	3	3¾	30.0
GUAX-150	1½	3¾	5⅝	1⅛	1¼	3¾	5⅛	70.0
GUAX-200	2	4⅛	5⅝	⅞	⅞	4⅛	5⅛	75.0

Hazardous Location Hub Cover

For GUA Outlet Boxes

Type GUAHC

Use:
Provides NPT thread hub for mounting pendant light fixtures on ½", ¾" and 1" trade size Type GUA outlet boxes.

Features:
- O-Ring gasket provided to assure watertightness
- Tapered threaded hub (NPT)
- Provided with anti-rotation set-screws

Material/Finish:
Malleable Iron/Zinc Plated
Steel Set Screws
Buna-N O-Ring

Third Party Certification:
UL Listed: E-97032

CSA Certified: LR20945
Class I Groups C, D
Class II Groups E, F, G
Class III
Suitable for wet locations

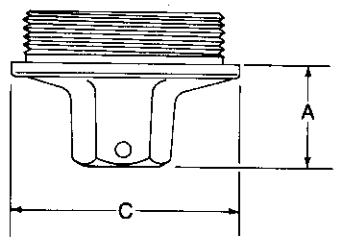
◄**FM**►Approved File No. OG 9AO.AE

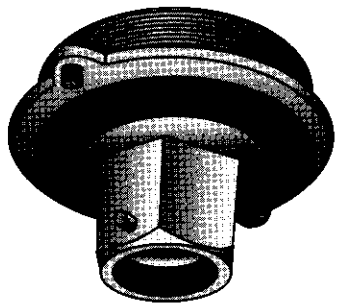
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586D
FM Standard: FMRC 3615

Suggested Specifications:
Where accessory covers for hazardous location outlet boxes are required for sealing, increasing volume or mounting pendant lighting fixtures, they shall be malleable iron construction and U.L. Listed. These accessory covers shall be O-Z/Gedney Type GUASC, GUATE, GUADC, GUAFC or GUAHC.

Note:
GUAHE-50 and GUAHC-75 are suitable for use with ½", ¾" and 1" trade size Type GUA malleable iron outlet boxes only.

Hub Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia. C	A
½	GUAHC-50	3½	1⅝
¾	GUAHC-75	3½	1⅝





Hazardous Location Fixture Canopy

For GUA Outlet Boxes

Type GUAFC

Use:
Provides additional wiring space and NPT threaded hub for mounting pendant light fixtures on ½", ¾" and 1" trade size Type GUA Outlet Boxes.

Features:
- Increases internal wiring volume (12.5 cu. in.)
- Side port allows access to conductors after fixture is mounted
- O-Ring gasket provided to assure water-tightness
- Provided with anti-rotation set-screws

Material/Finish:
Malleable Iron/Zinc Plated
Steel Set Screws
Buna-N O-Ring

Third Party Certification:
UL Listed: E-97032

CSA Certified: LR20945
Class I Groups C, D
Class II Groups E, F, G
Class III
Suitable for wet locations

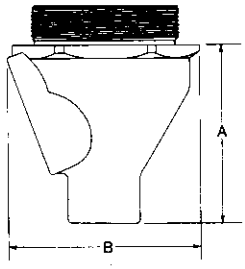
◄**FM**► Approved File No. OG 9AO.AE

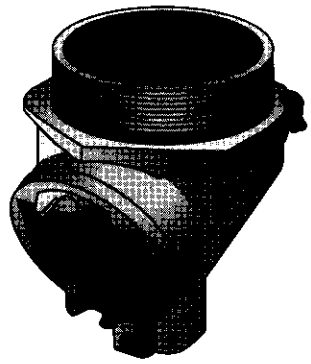
Applicable Third Party Standards:
UL Standards: 886
CSA Standard: C22.2 No. 30
National Electrical Code Articles: 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586D
FM Standard: FMRC 3615

Suggested Specifications:
Where accessory covers for hazardous location outlet boxes are required for sealing, increasing volume or mounting pendant lighting fixtures, they shall be malleable iron construction and U.L. Listed. These accessory covers shall be O-Z/Gedney Type GUASC, GUATE, GUADC, GUAFC or GUAHC.

Note:
GUAFC-50 and GUAFC-75 are suitable for use with ½", ¾" and 1" trade size Type GUA malleable iron outlet boxes only.

Hub Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	GUAFC-50	3¾"	3½"
¾	GUAFC-75	3¾"	3½"





Hazardous Location Sealing Cover

For GUA Outlet Boxes

Type GUASC

Use:
Converts GUA outlet boxes into sealing fittings.

Features:
- Removable plug for pouring sealing compound
- O-Ring gasket provided to assure watertightness
- Can be used with O-Z/Gedney EYC or Crouse-Hinds Chico sealing compound

Material/Finish:
Malleable Iron/Zinc Plated
Steel Set Screws
Buna-N O-Ring

Third Party Certification:
UL Listed: E-97032

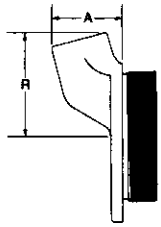
CSA Certified: LR20945
Class I Groups C, D
Class II Groups E, F, G
Class III
Suitable for wet locations

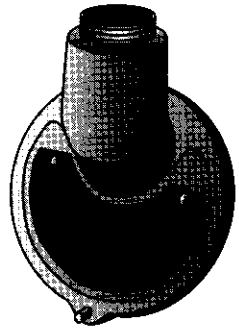
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586D

Suggested Specifications:
Where accessory covers for hazardous location outlet boxes are required for sealing, increasing volume or mounting pendant lighting fixtures, they shall be malleable iron construction and U.L. Listed. These accessory covers shall be O-Z/Gedney Type GUASC, GUATE, GUADC, GUAFC or GUAHC.

Note:
1 GUASC-1 is suitable for use with ½", ¾" and 1" trade size Type GUA malleable iron outlet boxes only.
2 Splices and taps not allowed in sealing fittings per NEC 501-5(c)(4)

Catalog Number	Turning Radius "R"	Maximum Body Height "A"
GUASC-1	2½"	1¾"





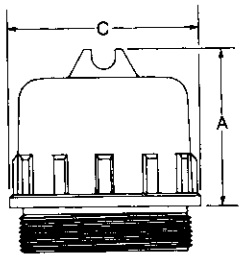
Hazardous Location Dome Covers

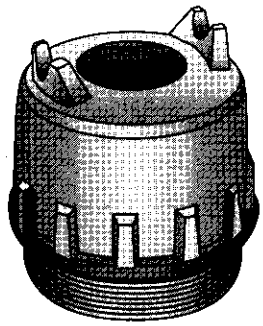
For GUA & GUJ Outlet Boxes

Type GUADC
For GUA style boxes

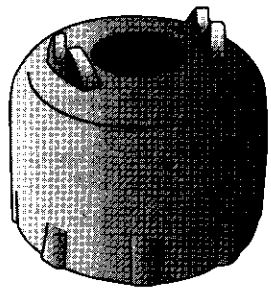
Type GUJDC
For GUJ style boxes

Dimensions in Inches			
Catalog Number	A	Max. Dia. C	Vol. Cu. in.
GUADC-1	2¾	3½	11
GUJDC-1	2¾	4⅜	20





Type GUADC



Type GUJDC

Use:
Provides for increased internal wiring volume in ½" - ¾" and 1" trade size in Type GUA or Type GUJ outlet boxes.

Features - GUADC:
- O-Ring gasket provided to assure watertightness
- Cast-in brackets for use with breaker bar tools
- Increases internal wiring volume by cu. in.

Features - GUJDC:
- Suitable for wet locations when mounted in the upright position
- Cast-in brackets for use with breaker bar tools
- Increases internal wiring volume by 11 cu. in.

Material/Finish:
Malleable Iron/Zinc Plated
Buna-N O-Ring

Third Party Certification:
UL Listed: E-97032
Class I Groups C, D
Class II Groups E, F, G
Class III

CSA Certified: LR-43437

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586C

Suggested Specifications:
Where accessory covers for hazardous location outlet boxes are required for sealing, increasing volume or mounting pendant lighting fixtures, they shall be malleable iron construction and U.L. Listed. These accessory covers shall be O-Z/Gedney Type GUASC, GUATE, GUADC, GUJDC, GUAFC or GUAHC.

Note:
GUADC-1 and GUJDC-1 are suitable for use with ½", ¾" and 1" trade size Type GUA/J malleable iron outlet boxes only.

Hazardous Location Flexible Fixture Supports

For GUA Style Boxes

Type ECHF

Use:
For use in hazardous locations with lighting fixtures in accordance with Article 501 of the National Electrical Code to assure the fixtures will swing freely if struck accidentally.

Features:
- Female/Female
- Supplied with two steel close nipples threaded into the female ends
- Set screws prevent nipples and fixtures from rotating during relamping
- Suitable for ground path

Material/Finish:
Bronze braided brass tubing with an arc resistant asphaltum impregnated liner. Bronze end fittings.

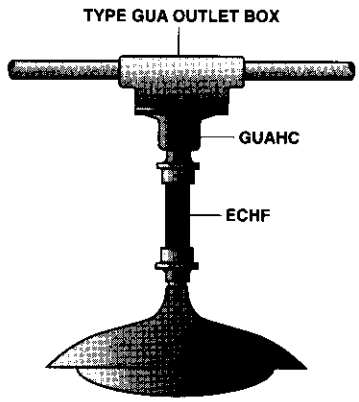
Third Party Certification:
UL Listed: E-74593
Suitable for wet locations
Class I Groups A, B, C, D
Class II Groups E, F, G
Class III

CSA Certified: LR-47625

Suggested Specifications:
Type ECHF:
Flexible fixture hanger supports will be used in hazardous locations to mount pendant lighting fixtures to insure that the fixture will swing freely when struck accidentally. Construction will be bronze braid over brass corrugated core with an asphalt impregnated jute inner liner. It will be UL Listed for Class 1 Division 1 hazardous locations. Flexible fixture hanger supports shall be O-Z/Gedney Type ECHF.

Type ECHF

Trade Size (inches)	Catalog Number	Flexible Length (inches)	Dimensions in Inches End Fittings Length	Max. Dia.	Min. Bending Radius
½	ECHF-50-4	4	2¾	1⅜	10
½	ECHF-50-6	6	2¾	1⅜	10
½	ECHF-50-8	8	2¾	1⅜	10
½	ECHF-50-10	10	2¾	1⅜	10
½	ECHF-50-12	12	2¾	1⅜	10
½	ECHF-50-15	15	2¾	1⅜	10
½	ECHF-50-18	18	2¾	1⅜	10
¾	ECHF-75-4	4	2¾	1¾	12
¾	ECHF-75-6	6	2¾	1¾	12
¾	ECHF-75-8	8	2¾	1¾	12
¾	ECHF-75-10	10	2¾	1¾	12
¾	ECHF-75-12	12	2¾	1¾	12
¾	ECHF-75-15	15	2¾	1¾	12
¾	ECHF-75-18	18	2¾	1¾	12



Hazardous Location Threaded Extension

For GUA & GUJ Outlet Boxes

Type GUATE

Use:
Use with standard outlet box cove to increase box depth.

Features:
- Increased internal wiring volume (6.5 cu. in.)
- O-Ring gasket provided to assure watertightness

Material/Finish:
Malleable Iron/Zinc Plated
Buna-N O-Ring

Third Party Certification:
UL Listed: E-97032
Class I Groups C, D
Class II Groups E, F, G
Class III
Suitable for wet locations

CSA Certified: LR43437

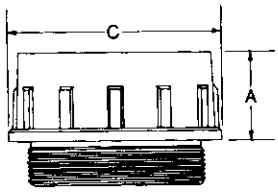
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586D

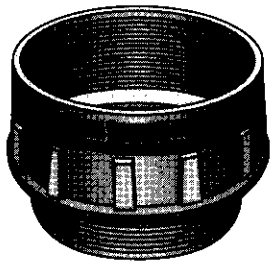
Note:
GUATE-1 is suitable for use with ½", ¾" and 1" trade size Type GUA malleable iron outlet boxes only.

Suggested Specifications:
Where accessory covers for hazardous location outlet boxes are required for sealing, increasing volume or mounting pendant lighting fixtures, they shall be malleable iron construction and U.L. Listed. These accessory covers shall be O-Z/Gedney Type GUASC, GUATE, GUADC, GUJDC, GUAFC or GUAHC.

Dimensions in Inches

Catalog Number	A	Max. Dia. C	Vol. Cu. In.
GUATE-1	1 5/16"	3½	6.5





Type GUATE

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

Type GUJ

With overlapping threaded covers

Features:
- Smooth hub bushing protects insulation when pulling
- Cast-in brackets on cover for use with Breaker-bar tools
- Suitable for wet locations when mounted in upright position
- No risk of conductor insulation damage from threads on base during pulling
- No risk if "pinching" conductors during cover installation
- Improved wiring room
- Tapered threaded hubs (NPT)

Material/Finish:
Malleable Iron Cover and Body/Zinc Plated

Third Party Certification:
UL Listed: E-30513
Class I Groups C, D
Class II Groups E, F, G
Class III
Suitable for wet locations in upright position only.

CSA Certified: LR9795

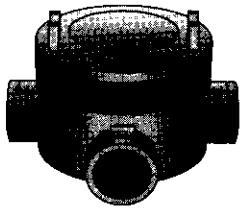
◄FM► Approved File No. OG 9AO.AE

Applicable Third Party Standards:
UL Standard: 886
CSA: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586D

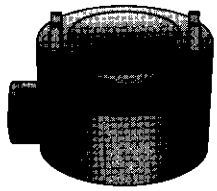
Suggested Specifications:
Hazardous location conduit outlet boxes shall be used in hazardous locations to provide for change in conduit direction, access to conductors, increased wiring volume and as pull and splice boxes. They shall be malleable iron with overlapping threaded covers and cast in brackets on the cover. The boxes shall be U.L. Listed, and suitable for wet locations. Hazardous location conduit outlet boxes shall be O-Z/Gedney Type GUJ.

Dimensional Data:
See Pages BA25, BA26

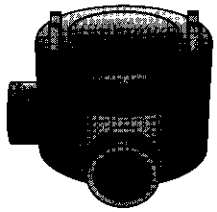
Trade Size (inches)	Catalog Number	Catalog Number
	Malleable Iron Cover/ Malleable Iron Body UL only	Malleable Iron Cover/Body Malleable UL/CSA/FM Approved with Ground Screw/Lug
½	GUJT-50	GUJT-50CS
¾	GUJT-75	GUJT-75CS
1	GUJT-100	GUJT-100CS
1¼	GUJT-125	GUJT-125CS
1½	GUJT-150	GUJT-150CS
2	GUJT-200	GUJT-200CS
½	GUJE-50	GUJE-50CS
¾	GUJE-75	GUJE-75CS
1	GUJE-100	GUJE-100CS
½	GUJL-50	GUJL-50CS
¾	GUJL-75	GUJL-75CS
1	GUJL-100	GUJL-100CS
½	GUJC-50	GUJC-50CS
¾	GUJC-75	GUJC-75CS
1	GUJC-100	GUJC-100CS
½	GUJLB-50	GUJLB-50CS
¾	GUJLB-75	GUJLB-75CS
1	GUJLB-100	GUJLB-100CS
½	GUJX-50	GUJX-50CS
¾	GUJX-75	GUJX-75CS
1	GUJX-100	GUJX-100CS



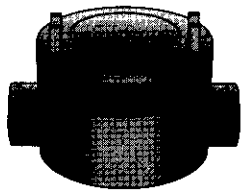
Type GUJT



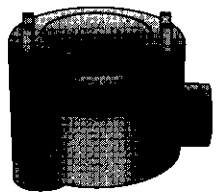
Type GUJE



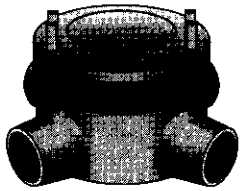
Type GUJL



Type GUJC



Type GUJLB



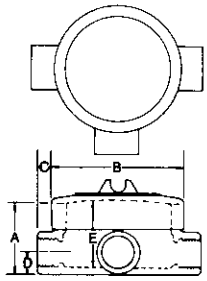
Type GUJX

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

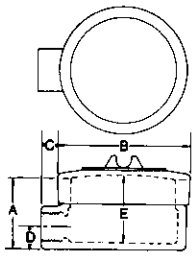
Dimensional Data:

Type GUJT



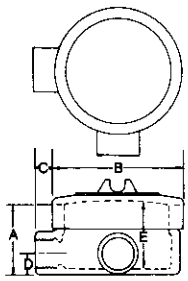
Catalog Number*	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUJT-50	½	2	3⅞	¾	⅝	2	3	13.5
GUJT-75	¾	2¼	3⅞	¾	¾	2⅛	3	15.0
GUJT-100	1	2½	3⅞	⅞	⅞	2⅜	3	17.0
GUJT-125	1¼	3⅛	4⅝	1⅛	1⅛	3	3¾	30.0
GUJT-150	1½	3¾	6⅛	1⅛	1¼	3¾	5⅛	70.0
GUJT-200	2	4⅛	6⅛	1⅛	1½	4⅛	5⅛	75.0

Type GUJE



Catalog Number*	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUJE-50	½	2	3⅞	¾	⅝	2	3	13.5
GUJE-75	¾	2¼	3⅞	¾	¾	2⅛	3	15.0
GUJE-100	1	2½	3⅞	⅞	⅞	2⅜	3	17.0

Type GUJL



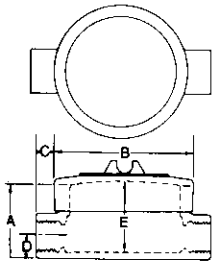
Catalog Number*	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUJL-50	½	2	3⅞	¾	⅝	2	3	13.5
GUJL-75	¾	2¼	3⅞	¾	¾	2⅛	3	15.0
GUJL-100	1	2½	3⅞	⅞	⅞	2⅜	3	17.0

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

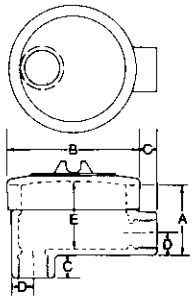
Dimensional Data:

Type GUJC



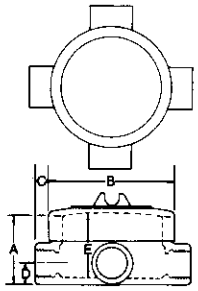
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUJC-50	½	2	3⅞	¾	⅝	2	3	13.5
GUJC-75	¾	2¼	3⅞	¾	¾	2⅛	3	15.0
GUJC-100	1	2½	3⅞	⅞	⅞	2⅜	3	17.0

Type GUJLB



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUJLB-50	½	2	3⅞	¾	⅝	2	3	13.5
GUJLB-75	¾	2¼	3⅞	¾	¾	2⅛	3	15.0
GUJLB-100	1	2½	3⅞	⅞	⅞	2⅜	3	17.0

Type GUJX



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUJX-50	½	2	3⅞	¾	⅝	2	3	13.5
GUJX-75	¾	2¼	3⅞	¾	¾	2⅛	3	15.0
GUJX-100	1	2½	3⅞	⅞	⅞	2⅜	3	17.0

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

Type GUEB

With internally threaded bodies

Features:

- O-Ring gasket provided to assure NEMA 4 rating
- Smooth hub bushing protects insulation when pulling conductors
- Cast-in brackets on cover for use with Breaker-bar tools
- Tapered threaded hubs (NPT)
- Supplied with close-up plugs
- Furnished with internal ground screw

Material/Finish:

Box - Copper-Free Aluminum/Aluminum Enamel
Cover & Plugs - Malleable Iron/Zinc Plated

Third Party Certification:

UL Listed: E-30513
Class I Groups C, D
Class II Groups E, F, G
Class III
Listed for NEMA 4 locations

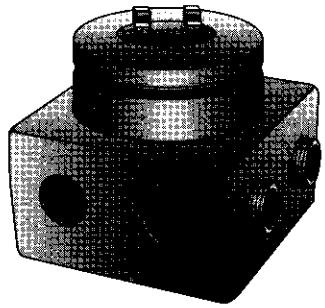
CSA Certified: LR9795

Applicable Third Party Standards:

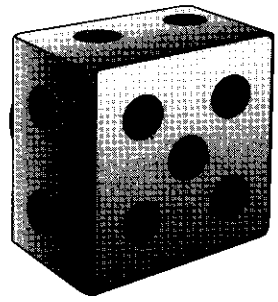
UL Standard: 886
CSA Standard: C22.2 No.30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586C

Suggested Specifications:

Hazardous location conduit outlet boxes shall be used in hazardous locations to provide for change in conduit direction, access to conductors, and as pull and splice boxes. They shall be copper free aluminum, with internally threaded bodies and cast in brackets on the cover. The boxes shall be UL Listed and suitable for NEMA Type 4 locations. Hazardous location conduit outlet boxes will be O-Z/Gedney Type GUEB.



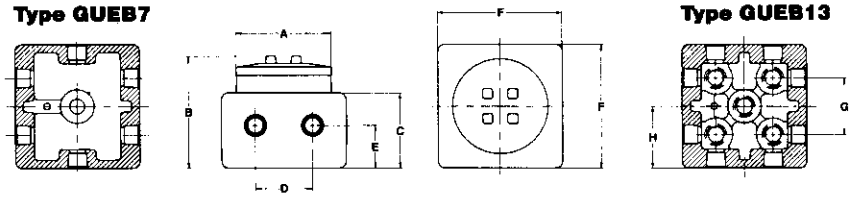
Type GUEB13



Type GUEB13 Back of Box

Trade Size Inches	Catalog Number	No. of Hubs	No. of Plugs Supplied	Dimensions in Inches A	B	C	D	E	F	G	H	Cover Opening	Volume Cu. In.
½	GUEB7-50A	7	4	3½	4¼	2 13/16	2⅛	1 19/32	4⅝	N/A	2 15/16	3	29
¾	GUEB7-75A	7	4	3½	4¼	2 13/16	2⅛	1 19/32	4⅝	N/A	2 15/16	3	29
1	GUEB7-100A	7	4	3½	4¼	2 13/16	2⅛	1 19/32	4⅝	N/A	2 15/16	3	29
½	GUEB13-50A	13	5	3½	4¼	2 13/16	2⅛	1 19/32	4⅝	2⅛	2 5/16	3	27.5
¾	GUEB13-75A	13	5	3½	4¼	2 13/16	2⅛	1 19/32	4⅝	2⅛	2 5/16	3	27.5

Type GUEB7



Type GUEB13

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

Type OE

With internally threaded bodies

Use:
Compact design allows use in areas with limited space. Provide future access for maintenance and wiring changes.

Features:
- Compact design
- Precision ground flange
- Blind drilled and tapped screw holes
- Smooth integral hubs
- Threaded (NPT) for rigid conduit or IMC
- Five different hub configurations

Material/Finish:
Gray Iron/Zinc Plated with aluminum enamel

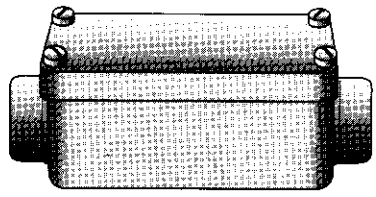
Third Party Certification:
UL Listed: E-30513
Class I Groups C, D
Class II Groups E, F, G

CSA Certified: LR9795

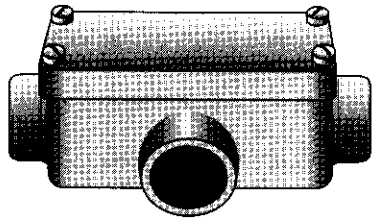
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No.30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586C

Dimensional Data:
See Page BA29

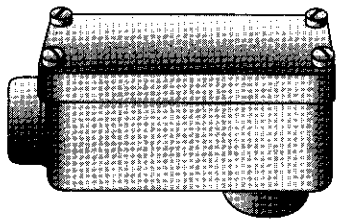
Hub Size	Catalog Number
½ ¾	OEC-50 OEC-75
½ ¾	OET-50 OET-75
½ ¾	OELB-50 OELB-75
½ ¾	OELL-50 OELL-75
½ ¾	OELR-50 OELR-75



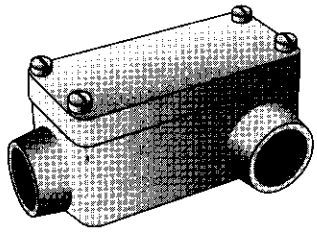
Type OEC



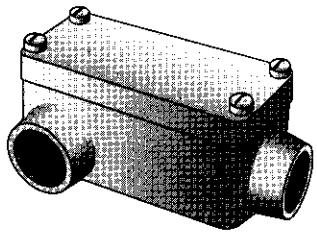
Type OET



Type OELB



Type OELL



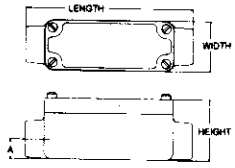
TYpe OELR

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

Dimension Data:

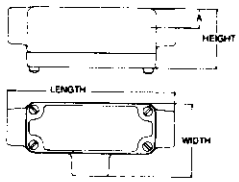
Type OEC



Dimensions in Inches

Catalog Number	Hub Size	Length	Width	Height	A	Vol. Cu. In.
OEC-50	½	5⅜	1⅝	1 15/16	1 1/16	4.8
OEC-75	¾	5½	2	2 3/16	1 3/16	7.5

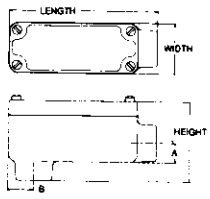
Type OET



Dimensions in Inches

Catalog Number	Hub Size	Length	Width	Height	A	Vol. Cu. In.
OET-50	½	5⅜	2⅜	1 15/16	1 1/16	4.8
OET-75	¾	5½	2 3/16	2 3/16	1 3/16	7.5

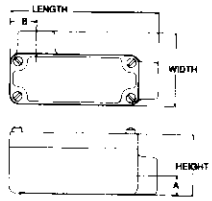
Type OELB



Dimensions in Inches

Catalog Number	Hub Size	Length	Width	Height	A	B	Vol. Cu. In.
OELB-50	½	4¾	1⅝	2 11/16	1 1/16	⅞	4.8
OELB-75	¾	4 15/16	2	2 13/16	1 3/16	15/16	7.5

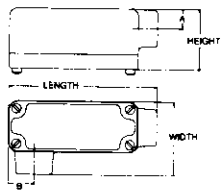
Type OELL



Dimensions in Inches

Catalog Number	Hub Size	Length	Width	Height	A	B	Vol. Cu. In.
OELL-50	½	4¾	2⅜	2 11/16	1 1/16	⅞	4.8
OELL-75	¾	4 15/16	2 13/16	2 13/16	1 3/16	15/16	7.5

Type OELR



Dimensions in Inches

Catalog Number	Hub Size	Length	Width	Height	A	B	Vol. Cu. In.
OELR-50	½	4¾	1⅝	2 11/16	1 1/16	⅞	4.8
OELR-75	¾	4 15/16	2 13/16	2 13/16	1 3/16	15/16	7.5

Hazardous Location Pulling Elbows

For Rigid Conduit & IMC

Type LBH & LBH-N4
Cast Iron

Type LBH-A & LBH-AN4
Copper-Free Aluminum

Use:
To provide access to conductors for pulling, splicing and maintenance in Hazardous Locations.

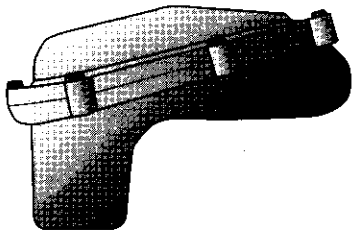
Features:
- Tapered Threaded Hubs (NPT) for Rigid Conduit & IMC
- Angled cover opening allows conductors to be pulled straight through hubs
- Smooth cover opening and pulling surfaces prevent abrasion of conductors
- Neoprene gasket cemented into groove in cover for NEMA 4 application
- Provided with reducing bushings to adapt to the next smaller trade size

Material/Finish:
LBH, LBH-N4:
Cast Iron/Hot Dip Galvanized
LBH-A, LBH-AN4:
Copper-Free Aluminum/Natural Finish
Cover screws are steel zinc plated

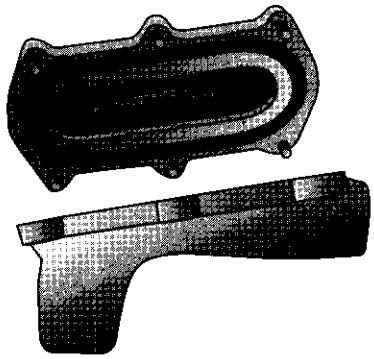
Third Party Certification:
UL Listed: 30513
½" - ¾"
Class I Groups C, D
Class II Groups E, F, G
1" - 4"
Class I, Group D
Class II, Groups E, F, G
Class III

CSA Certified: 9795
1½" - 4" Class I Group D
Class II Groups E, F, G
Class III

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No.30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586C



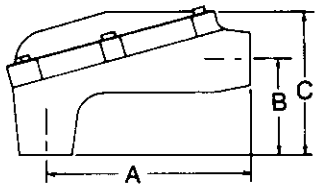
Type LBH & Type LBH-A

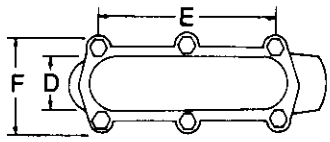


Type LBH-N4 & Type LBH-AN4
Watertight-NEMA 4

Trade Size (inches)	Cast Iron Catalog Number	Cast Aluminum Catalog Number	Dimensions in Inches A	B	C	D	E	F	Volume Cu. In.	Reducing Bushing Size	Reducing Bushing Quantity Provided
½ - ¾	LBH-0507*	LBH-0507A•	5	2⅝	4	1	4¼	2¾	8.5	¾ - ½	2
1 - 1¼	LBH-1012*	LBH-1012A•	7⅛	3⅜	5¼	1¾	7¼	4	33.2	1¼ - 1	2
1½ - 2	LBH-1520*	LBH-1520A•	10⅝	4¾	7⅛	2⅜	10¼	5	83.0	2 - 1½	2
2½ - 3	LBH-2530*	LBH-2530A•	15⅝	5½	9¼	3⅜	15½	6⅜	248.0	3 - 2½	2
4	LBH-400†	LBH-400A†	23½	6⅝	11¾	4¼	23½	7¾	713.0	4 - 3½	0†
½ - ¾	LBH-0507NA*	LBH-0507AN4•	5	2⅝	4	1	4¼	2¾	8.5	¾ - ½	2
1 - 1¼	LBH-1012N4*	LBH-1012AN4•	7⅛	3⅜	5¼	1¾	7¼	4	33.2	1¼ - 1	2
1½ - 2	LBH-1520N4*	LBH-1520AN4•	10⅝	4¾	7⅛	2⅜	10¼	5	83.0	2 - 1½	2
2½ - 3	LBH-2530N4*	LBH-2530AN4•	15⅝	5½	9¼	3⅜	15½	6⅜	248.0	3 - 2½	2
4	LBH-400N4†	LBH-400AN4†	23½	6⅝	11¾	4¼	23½	7¾	713.0	4 - 3½	0†

*Ferrous reducing bushings furnished.
•Aluminum reducing bushings furnished.
†Reducing bushings are available for adaptation to 3½" conduit, consult factory.





Hazardous Location Capped Elbow

90° Female/Female Short Conduit Elbow

Type LBY

Use:
To change direction in hazardous and ordinary locations where accessibility is needed for pulling conductors.

Features:
- Screw-on Cover for ease of installation and removal
- Cover opens on an angle permitting conductors to be pulled straight through either hub
- Can make 90° turns in conduit where a compact turn is desired
- Female tapered threaded hubs (NPT) for rigid conduit and IMC

Material/Finish:
Malleable Iron/Zinc Plated

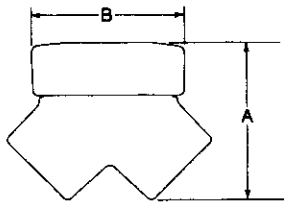
Third Party Certification:
UL Listed: 34997
Class I Groups B, C, D
Class II Groups E, F, G
Class III

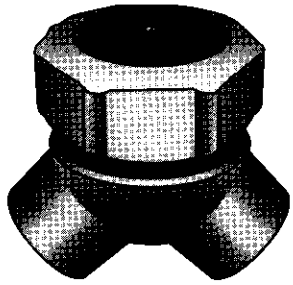
CSA Certified: LR-9795

Applicable Third Party Standards:
UL Standards: 514 and 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675

Suggested Specifications:
Where 90° female/female capped conduit elbows are required, they shall be of malleable iron construction suitable for hazardous locations as defined in NEC Articles 500 through 503. The capped elbows shall be O-Z/Gedney Type "LBY" series.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	LBY-50	2¼	2³⁄₃₂
¾	LBY-75	2½	2⅜
1	LBY-100	2¹³⁄₁₆	2¹³⁄₁₆
1¼	LBY-125	3⅛	3⁵⁄₁₆
1½	LBY-150	3⁵⁄₁₆	3¹³⁄₁₆





Type LBY

Hazardous Location Conduit Elbows

Type EL-9

Female/Female

Use:
To change direction in hazardous and ordinary locations where a short radius turn is needed.

Features:
• Female tapered threaded hubs (NPT) for rigid conduit and IMC

Material/Finish:
Malleable Iron/Zinc Plated

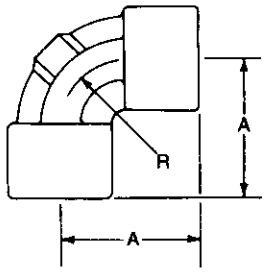
Third Party Certification:
UL Listed: 34997
½" - 1"
Class I Groups A, B, C, D
Class II Groups E. F, G
Class III
1¼" - 2"
Class I Groups C, D
Class II Groups E F, G
Class III

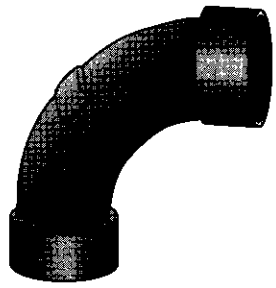
CSA Certified: LR-9795

Applicable Third Party Standards:
UL Standards: 514 and 886
CSA Standard: C22.2 No. 30
National Electrical Code: Articles 500-503
Mil. Spec: Mil-F-28675

Suggested Specifications:
Where 90° female/female short conduit elbows are required, they shall be of malleable iron construction, U.L. Listed for use in wet and hazardous locations as defined in NEC articles 500 through 503. The conduit elbow fittings shall be O-Z/Gedney Type EL-9 Series.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	EL-950	1½	¾
¾	EL-975	1¾	⅞
1	EL-9100	2	1 1/16
1¼	EL-9125	2¼	1⅜
1½	EL-9150	4	3
2	EL-9200	5	4





Type EL-9

Hazardous Location Conduit Elbows

Type 8 Series

Type 90° Short Conduit Elbow
Type 45° Short Conduit Elbow

Features:
- Threaded for rigid conduit and IMC
- Female - NPT
- Male - NPT
- Available with insulated throat

Material/Finish:
Malleable Iron/Zinc Plated

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-34997

CSA Certified: 9795

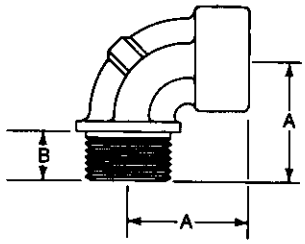
Suitable for hazardous locations as follows:
½" - 1":
Class I Groups A, B, C, D
Class II Groups E. F, G
1¼" - 2":
Class I Groups C, D
Class II Groups E F, G

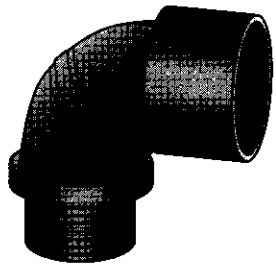
Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30

Suggested Specifications:
Where 90° male/female short conduit elbows are required, they shall be of malleable iron construction, UL Listed for use in wet and hazardous locations as defined in NEC articles 500 through 503. The conduit elbow fittings shall be O-Z/Gedney Type 8 Series.

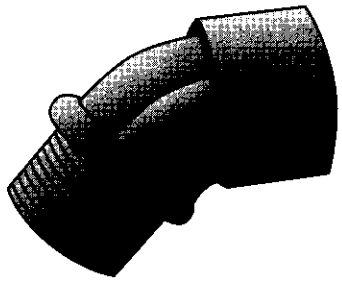
Trade Size (inches)	90° Catalog Number	Insulated Throat Catalog Number	Dim. in Inches A	B
½	8-50	8-50T	1 5/16	9/16
¾	8-75	8-75T	1⅜	⅝
1	8-100	8-100T	1⅞	11/16
1¼	8-125	8-125T	2¼	¾
1½	8-150	8-150T	2½	¾
2	8-200	8-200T	3	¾

Trade Size (inches)	45° Catalog Number	Insulated Throat Catalog Number	Dim. in Inches Turning Radius	Length
½	8-450	8-450T	1 1/16	½
¾	8-475	8-475T	1 3/16	9/16
1	8-4100	8-4100T	1 7/16	⅝
1¼	8-4125	8-4125T	1¾	⅝
1½	8-4150	8-4150T	1⅞	⅝
2	8-4200	8-4200T	2¼	11/16





Type 8 Series 90° Short



Type 8 Series 45° Short

Hazardous Location Short Elbow

Type ELMF-950

90° Short Elbow

- Female - NPT - Male - NPT

Type ELFF-450

45° Short Elbow

- Female tapered threaded hubs

Use:
To change direction in hazardous or ordinary locations where a short radius turn is needed.

Features:
- Threaded (NPT) for rigid conduit and IMC
- Suitable for wet locations

Material/Finish:
Malleable iron/Zinc Plated

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

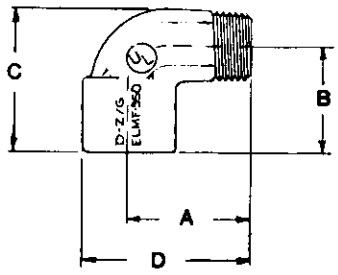
Third Party Certification:
UL Listed: E-34997

CSA Certified: LR-9795
Class I Groups A, B, C, D
Class II Groups E, F, G
Class III
Suitable for wet locations

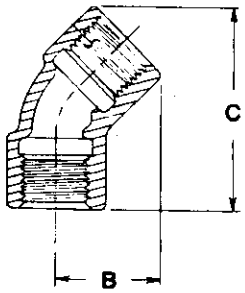
Applicable Third Party Standards:
UL Standards: 886
CSA Standard: C22.2 No. 30

Suggested Specification:
Where 90° male/female short conduit elbows are required, they shall be of malleable iron construction, UL Listed for use in wet and hazardous locations as defined in NEC articles 500 through 503. The conduit elbow fittings shall be O-Z/Gedney Type ELMF.

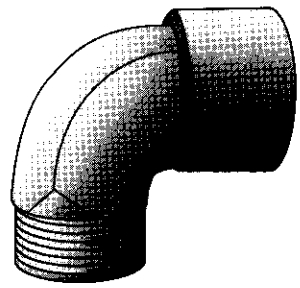
Where 45° female/female short conduit elbows are required, they shall be of malleable iron construction, UL Listed for use in wet and hazardous locations as defined in NEC articles 500 through 503. The conduit elbow fittings shall be O-Z/Gedney Type ELFF.



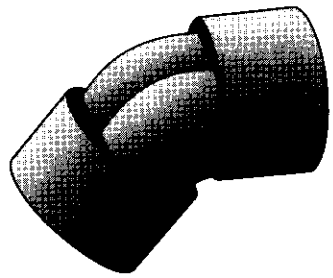
Trade Size (inches)	Catalog Number	Dimension in Inches A	B	C	D
½	ELMF-950	1 1/16	1 5/16	1¾	2



Trade Size (inches)	Catalog Number	Dimension in Inches B	C
½	ELFF-450	1 3/16	2 5/16



Type ELMF-950 90° Short



Type ELFF-450 45° Short

Hazardous Location Reducers & Enlargers

Type REC

Tapered threads (NPT)

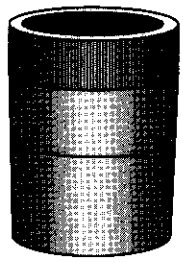
Use:
To connect two different sizes of conduit together or to replace a coupling and reducer in an installation.

Materials:
Steel/Zinc Plating
REC-0705S through REC-1007S
Malleable Iron/Zinc Plating
REC-1207 through REC-5040

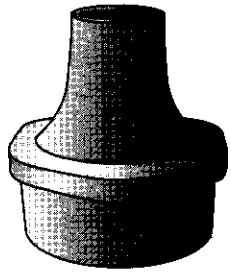
Third Party Certification:
CSA Certified: LR-9795
Class I Groups A, B, C, D
Class II Groups E, F, G
Class III

Applicable Third Party Standards:
CSA Standard: C22.2 No. 30

Trade Size (inches)	Catalog Number	Dimension in Inches Body Length	Max. Dia.
¾ - ½	REC-0705S	1⅝	1⁹⁄₁₆
1 - ½	REC-1005S	1¹³⁄₁₆	1¹³⁄₁₆
1 - ¾	REC-1007S	1¹³⁄₁₆	1¹³⁄₁₆
1¼ - ¾	REC-1207	1⅞	2⅜
1¼ - 1	REC-1210	2	2⅜
1½ - ¾	REC-1507	1⅞	2½
1½ - 1	REC-1510	2	2½
1½ - 1¼	REC-1512	2	2½
2 - ¾	REC-2007	1⅞	3
2 - 1	REC-2010	2	3
2 - 1¼	REC-2012	2	3
2 - 1½	REC-2015	2	3
2½ - 1½	REC-2515	2½	3⅝
3 - 2	REC-3020	2⅝	4¼
4 - 3	REC-4030	3⅝	5⅜
5 - 4	REC-5040	4¾	6¹³⁄₁₆



Type REC-0705S—Type REC-1007S



Type REC-1207—Type REC-5040

Type ME-S

Features:
- Knurled female hub
- Tapered threaded hubs (NPT) for Rigid Conduit and IMC

Material/Finish:
Steel/Zinc Plated

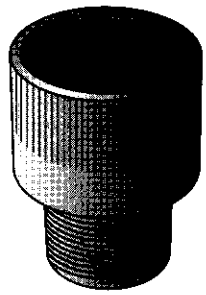
Third Party Certification:
UL Listed: E-34997

CSA Certified: 9795
Class I, Groups A, B, C, D
Class II, Groups E, F, G
Class III
Suitable for wet locations

Applicable Third Party Standards:
UL Standards: 886
CSA Standard: C22.2 No. 30

Suggested Specification:
Where male enlargers are required, they shall be of steel construction, U.L. Listed for use in wet and hazardous locations as defined in NEC Articles 500-503. The male enlargers shall be O-Z/Gedney Type ME-S.

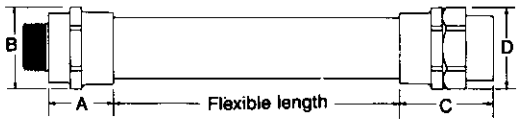
Catalog Number	Thread (NPT) Female	Thread (NPT) Male	Dimension in Inches Body Length	Hub Length	Max. Dia
ME-323S	¾ - 14	½ - 14	1⁹⁄₁₆	⅝	1⅜
ME-324S	1 - 11½	¾ - 14	1¾	1¹¹⁄₁₆	1⅞
ME-325S	1¼ - 11½	1 - 11½	1¹⁵⁄₁₆	1¹³⁄₁₆	1¹³⁄₁₆



Type ME-S

Hazardous Location Flexible Couplings

Type ECLK



ESP EXPRESS SHIPMENT PROGRAM

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Trade Size (inches)	Catalog Number	Flexible Length (inches)	Dimensions in Inches A	B	C	D	Min. Bending Radius
½	✔ECLK-50-4	4	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-6	6	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-8	8	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-10	10	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-12	12	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-15	15	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-18	18	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-21	2	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-24	24	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-27	27	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-30	30	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-33	33	1 13/16	1 5/32	3 1/16	1 ½	10
½	✔ECLK-50-36	36	1 13/16	1 5/32	3 1/16	1 ½	10
¾	✔ECLK-75-4	4	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-6	6	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-8	8	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-10	10	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-12	12	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-15	15	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-18	18	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-21	21	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-24	24	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-27	27	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-30	30	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-33	33	1 13/16	1 7/8	3 1/16	1 13/16	12
¾	✔ECLK-75-36	36	1 13/16	1 7/8	3 1/16	1 13/16	12
1	✔ECLK-100-6	6	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-8	8	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-10	10	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-12	12	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-15	15	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-18	18	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-21	21	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-24	24	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-27	27	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-30	30	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-33	33	2 1/16	2 1/4	3 7/16	2 1/16	14
1	✔ECLK-100-36	36	2 1/16	2 1/4	3 7/16	2 1/16	14
1¼	✔ECLK-125-12	12	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-15	15	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-18	18	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-21	21	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-24	24	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-27	27	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-30	30	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-33	33	2 7/8	2 ½	4 5/16	2 ¾	14
1¼	✔ECLK-125-36	36	2 7/8	2 ½	4 5/16	2 ¾	14
1½	✔ECLK-150-12	12	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-15	15	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-18	18	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-21	21	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-24	24	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-27	27	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-30	30	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-33	33	3 1/8	3 3/16	5 1/8	3 1/16	16
1½	✔ECLK-150-36	36	3 1/8	3 3/16	5 1/8	3 1/16	16
2	✔ECLK-200-12	12	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-15	15	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-18	18	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-21	21	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-24	24	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-27	27	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-30	30	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-33	33	3 3/16	3 15/16	5 ½	3 1 1/16	18
2	✔ECLK-200-36	36	3 3/16	3 15/16	5 ½	3 1 1/16	18

Type ECLK

Male/Female Union

Use:
Used in hazardous locations to isolate conduit systems from vibration and/or movement or to make difficult bends.

Features:
- Suitable for ground path
- Max. temperature rating: 300°F (149°C)

Material:
All couplings are constructed from bronze braid brass tubing and contain an arc resistant asphaltum impregnated liner.
½" - 1"
Bronze end fittings with zinc plated steel UNF union on one end
1¼" - 2"
Bronze end fittings with malleable iron UNY union on one end and steel close nipple on other end

Optional Sizes:
Optional sizes and lengths are available. 2½" through 4" sizes are also available. Contact your local representative for price and availability.

Third Party Certification:
UL Listed: E-34997
Suitable for Wet Location
UL Listed for
½" and ¾":
Class I Groups A, B, C, D
Class II Groups E, F, G.
1":
Class I Groups C, D
Class II Groups E, F, G
1¼" - 2":
Class I Group D
Class II Groups E, F, G

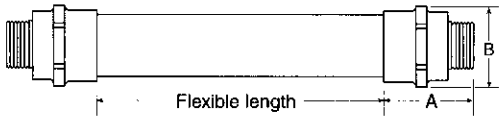
CSA Certified: LR-9795

Applicable Third Party Standards:
UL Standards: 886
CSA Standard: C22.2 No. 30

Suggested Specification:
In Class I, Div. 1 locations at motor hook-ups or other applications that require protection from vibration or stress, a UL Listed flexible coupling shall be used. Construction shall be bronze braid over brass corrugated core, with an asphalt impregnated jute liner. Hazardous location flexible couplings shall be O-Z/Gedney Type ECLK or Type ECGJH.

Hazardous Location Flexible Couplings

Type ECGJH



Type ECGJH

½" - 1" Male/Male fittings
1¼" - 2" Female/Female end fittings with close nipples

Use:
Used in hazardous locations to isolate conduit systems from vibration and/or movement or to make difficult bends.

Features:
- Suitable for ground path
- Max. Temperature rating: 300°F (149°C)

Material:
All couplings are constructed from bronze braid brass tubing and contain an arc resistant asphaltum impregnated liner.
½" - 1" - bronze end fittings
1¼" - 2" female/female bronze end fittings with two steel close nipples

Optional Sizes:
Longer lengths available. 2½", 3" and 4" sizes are also available. Contact your local representative for price and availability

Third Party Certification:
UL Listed: E-34997
Suitable for Wet Location.
UL Listed for ½" and ¾":
Class I Groups A, B, C, D
Class II Groups E, F, G.
1"
Class I Groups C, D
Class II Groups E, F, G
1¼" - 2"
Class I Group D
Class II Groups E, F, G

CSA Certified: LR-49262

Applicable Third Party Standards:
UL Standards: 886
CSA Standard: C22.2 No. 30

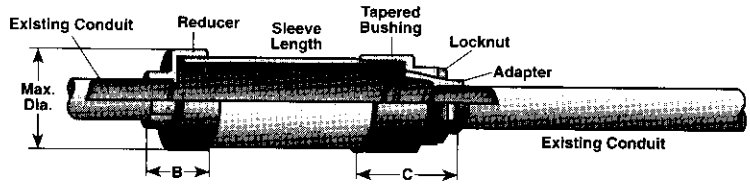
Suggested Specification:
In Class I, Div.1 locations at motor hook-ups or other applications that require protection from vibration or stress, a UL Listed flexible coupling shall be used. Construction shall be bronze braid over brass corrugated core, with an asphalt impregnated jute liner. Hazardous location flexible couplings shall be O-Z/Gedney Type ECLK or Type ECGJH.

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability

Trade Size (inches)	Catalog Number	Flexible Length (inches)	Dimensions in Inches: Length A	Max. Dia. B	Min. Bending Radius
½	✔ECGJH-50-4	4	1 13/16	1 15/32	10
½	✔ECGJH-50-6	6	1 13/16	1 15/32	10
½	✔ECGJH-50-8	8	1 13/16	1 15/32	10
½	✔ECGJH-50-10	10	1 13/16	1 15/32	10
½	✔ECGJH-50-12	12	1 13/16	1 15/32	10
½	✔ECGJH-50-15	15	1 13/16	1 15/32	10
½	✔ECGJH-50-18	18	1 13/16	1 15/32	10
½	✔ECGJH-50-21	21	1 13/16	1 15/32	10
½	✔ECGJH-50-24	24	1 13/16	1 15/32	10
½	✔ECGJH-50-27	27	1 13/16	1 15/32	10
½	✔ECGJH-50-30	30	1 13/16	1 15/32	10
½	✔ECGJH-50-33	33	1 13/16	1 15/32	10
½	✔ECGJH-50-36	36	1 13/16	1 15/32	10
¾	✔ECGJH-75-4	4	1 13/16	1⅞	12
¾	✔ECGJH-75-6	6	1 13/16	1⅞	12
¾	✔ECGJH-75-8	8	1 13/16	1⅞	12
¾	✔ECGJH-75-10	10	1 13/16	1⅞	12
¾	✔ECGJH-75-12	12	1 13/16	1⅞	12
¾	✔ECGJH-75-15	15	1 13/16	1⅞	12
¾	✔ECGJH-75-18	18	1 13/16	1⅞	12
¾	✔ECGJH-75-21	21	1 13/16	1⅞	12
¾	✔ECGJH-75-24	24	1 13/16	1⅞	12
¾	✔ECGJH-75-27	27	1 13/16	1⅞	12
¾	✔ECGJH-75-30	30	1 13/16	1⅞	12
¾	✔ECGJH-75-33	33	1 13/16	1⅞	12
¾	✔ECGJH-75-36	36	1 13/16	1⅞	12
1	✔ECGJH-100-6	6	2 1/16	2¼	14
1	✔ECGJH-100-8	8	2 1/16	2¼	14
1	✔ECGJH-100-10	10	2 1/16	2¼	14
1	✔ECGJH-100-12	12	2 1/16	2¼	14
1	✔ECGJH-100-15	15	2 1/16	2¼	14
1	✔ECGJH-100-18	18	2 1/16	2¼	14
1	✔ECGJH-100-21	21	2 1/16	2¼	14
1	✔ECGJH-100-24	24	2 1/16	2¼	14
1	✔ECGJH-100-27	27	2 1/16	2¼	14
1	✔ECGJH-100-30	30	2 1/16	2¼	14
1	✔ECGJH-100-33	33	2 1/16	2¼	14
1	✔ECGJH-100-36	36	2 1/16	2¼	14
1¼	✔ECGJH-125-12	12	2⅛	2½	14
1¼	✔ECGJH-125-15	15	2⅛	2½	14
1¼	✔ECGJH-125-18	18	2⅛	2½	14
1¼	✔ECGJH-125-21	21	2⅛	2½	14
1¼	✔ECGJH-125-24	24	2⅛	2½	14
1¼	✔ECGJH-125-27	27	2⅛	2½	14
1¼	✔ECGJH-125-30	30	2⅛	2½	14
1¼	✔ECGJH-125-33	33	2⅛	2½	14
1¼	✔ECGJH-125-36	36	2⅛	2½	14
1½	✔ECGJH-150-12	12	3⅛	3 3/16	16
1½	✔ECGJH-150-15	15	3⅛	3 3/16	16
1½	✔ECGJH-150-18	18	3⅛	3 3/16	16
1½	✔ECGJH-150-21	21	3⅛	3 3/16	16
1½	✔ECGJH-150-24	24	3⅛	3 3/16	16
1½	✔ECGJH-150-27	27	3⅛	3 3/16	16
1½	✔ECGJH-150-30	30	3⅛	3 3/16	16
1½	✔ECGJH-150-33	33	3⅛	3 3/16	16
1½	✔ECGJH-150-36	36	3⅛	3 3/16	16
2	✔ECGJH-200-12	12	3 9/16	3 15/16	18
2	✔ECGJH-200-15	15	3 9/16	3 15/16	18
2	✔ECGJH-200-18	18	3 9/16	3 15/16	18
2	✔ECGJH-200-21	21	3 9/16	3 15/16	18
2	✔ECGJH-200-24	24	3 9/16	3 15/16	18
2	✔ECGJH-200-27	27	3 9/16	3 15/16	18
2	✔ECGJH-200-30	30	3 9/16	3 15/16	18
2	✔ECGJH-200-33	33	3 9/16	3 15/16	18
2	✔ECGJH-200-36	36	3 9/16	3 15/16	18

Hazardous Location Pull Box Fittings



Type PFV

Type PFV

Use:
Used in hazardous locations to provide a convenient pulling point on long conduit runs and meet NEC 370-18(a)(1) requirements on length of boxes on straight pulls. One fitting consists of two hot dip galvanized end units threaded onto a hot dip galvanized oversize sleeve. A minimum engagement of five full threads is provided at all threaded joints.

Material/Finish:
Malleable or Ductile Iron End Fittings
Steel Oversized Sleeve/Hot Dip Galvanized

Third Party Certification:
UL Listed: E-30513
UL Listed for:
Class I Group D
Class II Groups E, F, G

Applicable Third Party Standards:
UL Standard: 886
National Electrical Code Articles: 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586C

Suggested Specification:
Type PFV: A hazardous location pull box fitting shall be used in hazardous locations for pulling and access points on long conduit runs. Box length on straight pulls shall meet NEC 370-18(a)(1) requirements. A minimum engagement of five full threads is to be provided at all threaded joints. They shall be malleable iron, hot dip galvanized with steel oversize sleeves. Hazardous location pull box fittings shall be O-Z/Gedney Type PFV.

Trade Size (inches)	Catalog Number	Max. Dia.	B	D	Dimensions in Inches Oversize Sleeve Size	Sleeve Length Inches
½	PFV-50-12	3⅜	2⅜	4⅜	2½	12
½	PFV-50-18	3⅜	2⅜	4⅜	2½	18
½	PFV-50-24	3⅜	2⅜	4⅜	2½	24
½	PFV-50-30	3⅜	2⅜	4⅜	2½	30
¾	PFV-75-12	3⅜	2⅜	4⅜	2½	12
¾	PFV-75-18	3⅜	2⅜	4⅜	2½	18
¾	PFV-75-24	3⅜	2⅜	4⅜	2½	24
¾	PFV-75-30	3⅜	2⅜	4⅜	2½	30
¾	PFV-75-36	3⅜	2⅜	4⅜	2½	36
1	PFV-100-12	3⅜	2⅜	4⅜	2½	12
1	PFV-100-18	3⅜	2⅜	4⅜	2½	18
1	PFV-100-24	3⅜	2⅜	4⅜	2½	24
1	PFV-100-30	3⅜	2⅜	4⅜	2½	30
1	PFV-100-36	3⅜	2⅜	4⅜	2½	36
1¼	PFV-125-18	4⅛	2½	4⅝	3½	18
1¼	PFV-125-24	4⅛	2½	4⅝	3½	24
1¼	PFV-125-30	4⅛	2½	4⅝	3½	30
1¼	PFV-125-36	4⅛	2½	4⅝	3½	36
1¼	PFV-126-48	4⅛	2½	4⅝	3½	48
1½	PFV-150-18	4⅝	2⅝	4⅝	3½	18
1½	PFV-150-24	4⅝	2⅝	4⅝	3½	24
1½	PFV-150-30	4⅝	2⅝	4⅝	3½	30
1½	PFV-150-36	4⅝	2⅝	4⅝	3½	36
1½	PFV-150-48	4⅝	2⅝	4⅝	3½	48
2	PFV-200-18	5⅛	2¾	5	4	18
2	PFV-200-24	5⅛	2¾	5	4	24
2	PFV-200-30	5⅛	2¾	5	4	30
2	PFV-200-36	5⅛	2¾	5	4	36
2	PFV-200-48	5⅛	2¾	5	4	48
2½	PFV-250-24	5¾	3⅛	5⅝	4½	24
2½	PFV-250-30	5¾	3⅛	5⅝	4½	30
2½	PFV-250-36	5¾	3⅛	5⅝	4½	36
2½	PFV-250-48	5¾	3⅛	5⅝	4½	48
3	PFV-300-24	6⅝	3⅜	5¾	5	24
3	PFV-300-30	6⅝	3⅜	5¾	5	30
3	PFV-300-36	6⅝	3⅜	5¾	5	36
3	PFV-300-48	6⅝	3⅜	5¾	5	48
3	PFV-300-60	6⅝	3⅜	5¾	5	60
3½	PFV-350-30	7⅜	3⅛	5⅞	6	30
3½	PFV-350-36	7⅜	3⅛	5⅞	6	36
3½	PFV-350-48	7⅜	3⅛	5⅞	6	48
3½	PFV-350-60	7⅜	3⅛	5⅞	6	60
4	PFV-400-36	8⅜	3⅜	6⅛	7	36
4	PFV-400-48	8⅜	3⅜	6⅛	7	48
4	PFV-400-60	8⅜	3⅜	6⅛	7	60
4	PFV-400-72	8⅜	3⅜	6⅛	7	72
5	PFV-500-48	9⅜	3¾	6¼	8	48
5	PFV-500-60	9⅜	3¾	6¼	8	60
5	PFV-500-72	9⅜	3¾	6¼	8	72

Thread Lubricant

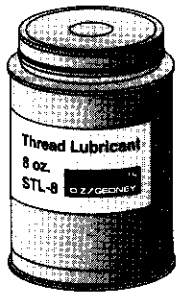
Type STL

Use:
For use between any threaded joint to help prevent seizing and galling.

Features:
- Effective and stable from -40°F to 600°F
- Can be used between parts of dissimilar materials
- Excellent adhesion qualities
- Inhibits corrosion and aids in preventing moisture from entering threaded joints
- Maintains ground continuity
- Available in squeeze tube or can with convenient brush in cap

Catalog Number	Package Weight
STL-2	2 oz tube
STL-8	8 oz can

Type STL-2



Type STL-8

Hazardous Location Sealing Fittings

Threaded For Rigid Conduit & IMC

Type EYA-A

Use:
For vertical or horizontal conduit runs.

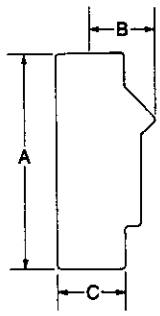
Features:
- Female/Female
- Tapered threads (NPT)

Material/Finish:
Copper-free Aluminum

Third Party Certification:
UL Listed: E-34997

CSA Certified: LR42843

UL Listed using: O-Z/Gedney EYC sealing compound or Crouse-Hinds Chico compound in these fitting.
CSA Certified using any manufacturer's CSA certified sealing compound.
Class I Groups C, D
Class II Groups E, F, G



Type EYA-A

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
½	EYA-50A	4 1/32	1 5/16	1 5/32	2 oz	1/32 oz
¾	EYA-75A	4 3/32	1 13/32	1⅜	2 oz	1/32 oz
1	EYA-100A	4⅜	1½	1 3/64	4 oz	¼ oz
1¼	EYA-125A	5	1 13/16	2 1/16	4 oz	¼ oz
1½	EYA-150A	5	2 1/32	2 7/16	6 oz	½ oz
2	EYA-200A	5	2 9/32	2 15/16	12 oz	1 oz
2½	EYA-250A	9 7/16	2 11/16	3⅜	15 oz	1½ oz
3	EYA-300A	9 7/16	3⅛	4⅛	40 oz	2 oz
3½	EYA-350A	9 7/16	3⅜	4⅝	45 oz	3 oz
4	EYA-400A	9 7/16	3⅝	5⅛	50 oz	4 oz

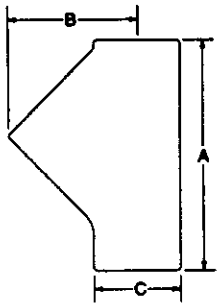
Type EY-A
Female/Female

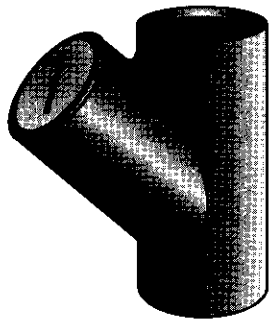
Use:
Threaded for rigid conduit or IMC.
For vertical conduit runs only.

Features:
- Female/Female
- Tapered threads (NPT)

Material/Finish:
Copper-free Aluminum

Third Party Certification:
UL Listed: E-34997
UL Listed using O-Z/Gedney EYC sealing compound or Crouse-Hinds Chico compound in these fittings.
CSA Certified: LR-42843
CSA Certified using any manufacturers CSA Certified sealing compound.
UL Listed for Vertical conduit runs in:
Class I Groups C, D
Class II Groups E, F, G





Type EY-A
Female/Female

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
½	EY-50A	2¾	1 5/16	1⅜	2 oz	1/32 oz
¾	EY-75A	2⅞	2⅛	1⅜	3 oz	1/16 oz
1	EY-100A	3 1/16	2½	1⅝	4 oz	⅛ oz

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

Type GUA

With internally threaded bodies

Features:
- Smooth hub bushing protects insulation when pulling conductors
- Cast-in brackets on cover for use with Breaker-bar tools
- Tapered threaded hubs (NPT)
- Provided with ground screw

Material/Finish:
Copper free Aluminum/
Baked Aluminum Lacquer

Third Party Certification:
UL Listed: E-30513
Class I Groups C, D
Class II Groups E, F, G
Class III

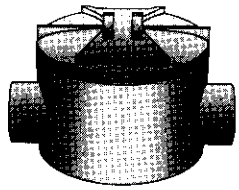
CSA Certified: LR-9795

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30
National Electrical Code Articles: 500-503
Mil. Spec: Mil-F-28675
Fed. Spec: W-C-586D

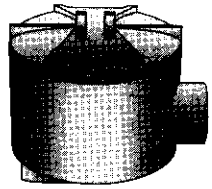
Suggested Specifications:
Hazardous location conduit outlet boxes shall be used in hazardous locations to provide for change in conduit direction, access to conductors, and as pull and splice boxes. They shall be aluminum, with internally threaded bodies and cast in brackets on the cover. The boxes shall be UL Listed. Hazardous Location conduit outlet boxes shall be O-Z/Gedney Type GUA.

Dimensional Date:
See Pages BB3, BB4

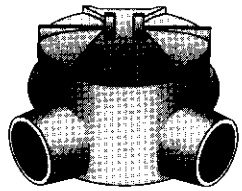
Trade Size (inches)	Catalog Number
½	GUAC-50A
¾	GUAC-75A
1	GUAC-100A
1¼	GUAC-125A
1½	GUAC-150A
2	GUAC-200A
½	GUALB-50A
¾	GUALB-75A
1	GUALB-100A
1¼	GUALB-125A
1½	GUALB-150A
2	GUALB-200A
½	GUAX-50A
¾	GUAX-75A
1	GUAX-100A
1¼	GUAX-125A
1½	GUAX-150A
2	GUAX-200A
½	GUAT-50A
¾	GUAT-75A
1	GUAT-100A
1¼	GUAT-125A
1½	GUAT-150A
2	GUAT-200A
½	GUAE-50A
¾	GUAE-75A
1	GUAE-100A
½	GUAL-50A
¾	GUAL-75A
1	GUAL-100A
1¼	GUAL-125A
1½	GUAL-150A
2	GUAL-200A



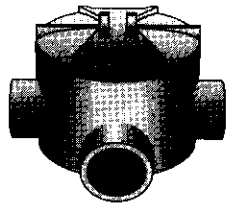
Type GUAC



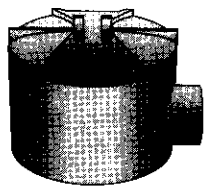
Type GUALB



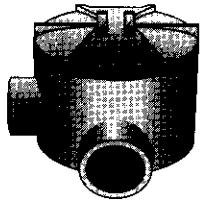
Type GUAX



Type GUAT



Type GUAE



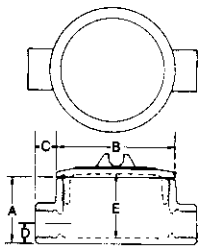
Type GUAL

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

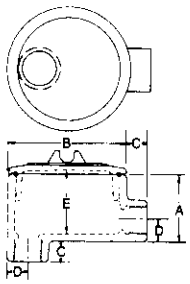
Dimensional Data:

Type GUAC



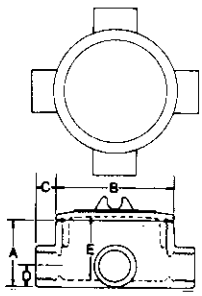
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAC-50A	½	2¼	4	3/32	1 1/16	1 11/16	3 11/16	18.8
GUAC-75A	¾	2¼	4	3/32	1 1/16	1 11/16	3 11/16	18.8
GUAC-100A	1	2¼	4	¼	1 3/16	1¾	3 11/16	18.8
GUAC-125A	1¼	3	4 15/16	5/16	1 1/32	2¼	3 29/32	28.0
GUAC-150A	1½	4¼	5¾	⅝	1 7/16	3 5/16	5 5/16	69.3
GUAC-200A	2	4¼	5¾	⅝	1 7/16	3 5/16	5 5/16	69.3

Type GUALB



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUALB-50A	½	2¼	4	3/32	1 1/16	1 11/16	3 11/16	18.8
GUALB-75A	¾	2¼	4	3/32	1 1/16	1 11/16	3 11/16	18.8
GUALB-100A	1	2¼	4	¼	1 3/16	1¾	3 11/16	18.8
GUALB-125A	1¼	3	4 15/16	5/16	1 1/32	2¼	3 29/32	28.0
GUALB-150A	1½	4¼	5¾	⅝	1 7/16	3 5/16	5 5/16	69.3
GUALB-200A	2	4¼	5¾	⅝	1 7/16	3 5/16	5 5/16	69.3

Type GUAX



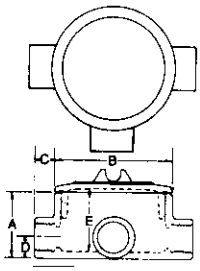
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAX-50A	½	2¼	4	3/32	1 1/16	1 11/16	3 11/16	18.8
GUAX-75A	¾	2¼	4	3/32	1 1/16	1 11/16	3 11/16	18.8
GUAX-100A	1	2¼	4	¼	1 3/16	1¾	3 11/16	18.8
GUAX-125A	1¼	3	4 15/16	5/16	1 1/32	2¼	3 29/32	28.0
GUAX-150A	1½	4¼	5¾	⅝	1 7/16	3 5/16	5 5/16	69.3
GUAX-200A	2	4¼	5¾	⅝	1 7/16	3 5/16	5 5/16	69.3

Hazardous Location Conduit Outlet Boxes

For Rigid Conduit & IMC

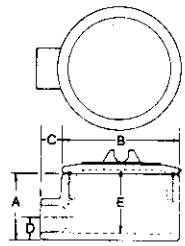
Dimensional Data:

Type GUAT



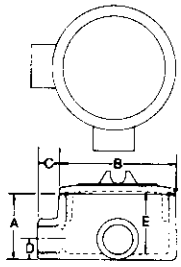
Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAT-50A	½	2¼	4	3/32	1/16	1 1/16	3 1/16	18.8
GUAT-75A	¾	2¼	4	3/32	1/16	1 1/16	3 1/16	18.8
GUAT-100A	1	2¼	4	¼	3/16	1¾	3 1/16	18.8
GUAT-125A	1¼	3	4 15/16	5/16	1 1/32	2¼	3 29/32	28.0
GUAT-150A	1½	4¼	5¾	⅜	1 1/16	3 5/16	5 3/16	69.3
GUAT-200A	2	4¼	5¾	⅜	1 1/16	3 5/16	5 3/16	69.3

Type GUAE



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAE-50A	½	2¼	4	3/32	1/16	1 1/16	3 1/16	18.8
GUAE-75A	¾	2¼	4	3/32	1/16	1 1/16	3 1/16	18.8
GUAE-100A	1	2¼	4	¼	3/16	1¾	3 1/16	18.8

Type GUAL



Catalog Number	Trade Size	Dimensions in Inches A	B	C	D	E	Cover Opening	Volume Cu. In.
GUAL-50A	½	2¼	4	3/32	1/16	1 1/16	3 1/16	18.8
GUAL-75A	¾	2¼	4	3/32	1/16	1 1/16	3 1/16	18.8
GUAL-100A	1	2¼	4	¼	3/16	1¾	3 1/16	18.8
GUAL-125A	1¼	3	4 15/16	5/16	1 1/32	2¼	3 29/32	28.0
GUAL-150A	1½	4¼	5¾	⅜	1 1/16	3 5/16	5 3/16	69.3
GUAL-200A	2	4¼	5¾	⅜	1 1/16	3 5/16	5 3/16	69.3

Hazardous Location Cable Connectors

TEK-MATExtra™ FAST-FIT™

Type JMCX

Use:
Terminates and seals jacketed metal clad and teck cable in hazardous locations

Features:
- Use with Jacketed Interlock or Continuous Metal Clad Cable
- For vertical or horizontal runs
- Provides seal for cable core where armor is removed and between the jacket and armor
- Fast installation
- True 360 grounding and sealing
- Superior pull-out protection
- Wide cable range
- NEMA 4 listed
- Compact, slim profile
- Corrosion-resistant
- NPT Male hub
- Locking sealing chamber
- Union capability for ease of assembly/ disassembly
- Supplied with putty epoxy

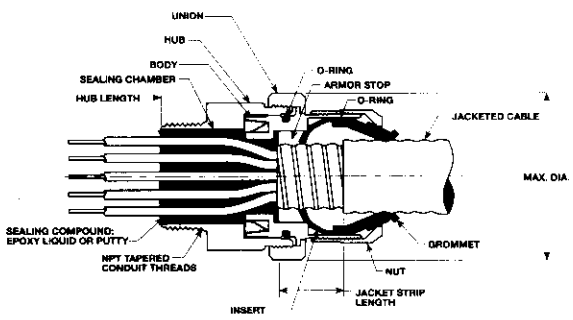
Material/Finish:
Body, Nut, Insert: Copper-Free Aluminum; O-Ring. Grommet: Neoprene; Armor Stop: Nylon

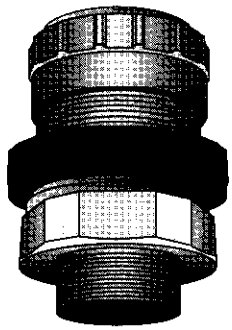
Third Party Certification:
UL Listed: E-65070
UL Listed for
Class I Groups A, B, C, D
Class II Groups F, G
CSA Certified: 11854
Class I Groups A, B, C, D
Class II Groups E, F, G
Class III

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 174
Meets NEC Sec. 501-5 (d) & (e) requirements for sealing of metal clad cable in hazardous locations.

To Order Specify:
1. Catalog Number - select fitting on the basis of diameter over jacket and armor by using "Cable Range" columns.
2. Order extra sealing compound separately if necessary

Suggested Specifications:
Type JMCX: Where sealing of jacketed metal clad cable in vertical or horizontal hazardous location runs requires a hazardous location cable connector with an integral seal. An epoxy seal for cable core where armor is removed and between the jacket, armor, and conductors shall be required. Hazardous location jacketed metal clad cable connectors shall be O-Z/Gedney Type JMCX.





Type JMCX

Trade Size (inches)	Catalog Number	Cable Information: Jacket Range Min.	Jacket Range Max.	Armor Range Min.	Armor Range Max.	Dimensional Data (inches): Jacket Strip Lgth	Hub Lgth	Max Dia	Approx. No. of Packs Reqd.: Putty	Liquid
½	JMCX-50-71	0.46	0.71	0.34	0.59	1	1 1/16	1 5/8	1/2	1/10
¾	JMCX-75-93	0.65	0.93	0.53	0.81	1	1 1/16	1 15/16	1/4	1/2
1	JMCX-100-115	0.88	1.15	0.76	1.03	1	1 1/8	2 3/8	1/2	1/4
1¼	JMCX-125-145	1.10	1.45	0.98	1.33	1	29/32	2 11/16	1 1/8	1/8
1½	JMCX-150-179	1.37	1.79	1.25	1.67	1½	29/32	3 1/16	2	1
2	JMCX-200-215	1.74	2.15	1.56	1.97	1½	15/16	3½	3	1
2	JMCX-200-259	2.03	2.59	1.85	2.41	1½	15/16	4 5/16	3	1
2½	JMCX-250-259	2.03	2.59	1.85	2.41	2	1 1/8	4 7/8	4	2
3	JMCX-300-303	2.47	3.03	2.29	2.85	2	1 1/8	5½	7	2
3½	JMCX-350-360	2.93	3.60	2.75	3.43	2	1 1/8	6	10	3
4	JMCX-400-423	3.55	4.23	3.30	3.98	2	1 1/8	6 11/16	13	5

Liquid Type Sealing Compound
Two Part Liquid Epoxy

Catalog Number	Package Weight
JMCXSC-2L	100 Grams
Includes dispensing syringe and fiber damming material	

Putty Type Sealing Compound
Two Part Putty Epoxy

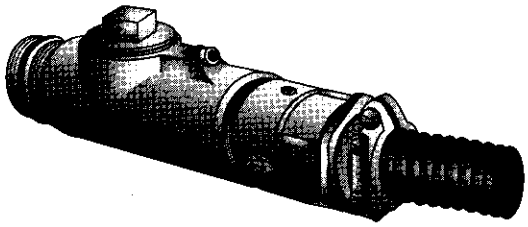
Catalog Number	Package Weight
JMCXSC-IP	45 Grams

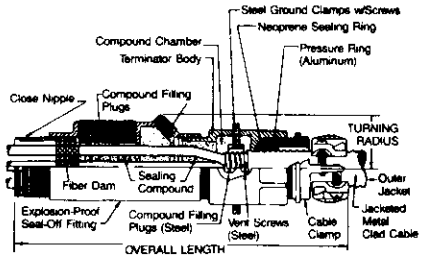
Hazardous Location Terminator/Sealing Fittings

For Jacketed Metal Clad Cable

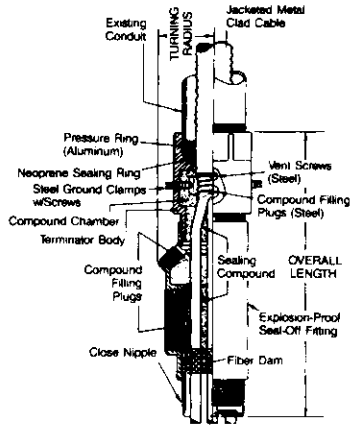
Type EYMCJ
For exposed cable

Type EYMCJC
For use in conduit





Type EYMCJ



Type EYMCJC

Use:
Terminates and seals jacketed metal clad cable in hazardous locations.

Features:
- UL listed using O-Z/Gedney Type EYC Compound or Crouse-Hinds Chico compound and Type EYF fibre with these fittings
- Use with jacketed interlock or continuous metal clad cable
- For vertical or horizontal runs
- Provides compound seal for cable core where armor is removed between the jacket and armor

Material/Finish:
Seal-off fitting and cable clamp are Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-65070
Suitable for wet locations
UL Listed for:
1":
Class I Groups A, B, C, D, Div. 2
Class II Group G
1¼" - 2":
Class I Groups C, D, Div. 2
Class II Group G
2½" - 4":
Class I Groups B, C, D, Div. 2
Class II Group G

Applicable Third Party Standard:
UL Standard: 886
Meets NEC Sec. 501-5(e) requirements for sealing of metal clad cable in hazardous locations.

To Order Specify:
1. Catalog Number - select fitting on the basis of diameter over jacket using "Cable Range" column.
2. Outside diameter over outer jacket.

Suggested Specifications:
Type EYMCJ: Where sealing of jacketed metal clad cable in hazardous locations vertical or horizontal runs is required, a hazardous location terminator/sealing fitting shall be used. A compound seal for cable core where armor is removed and between the jacket and armor shall be required. Hazardous location terminator/sealing fittings shall be O-Z/Gedney Type EYMCJ or Type EYMCJC.

Trade Size (inches)	Catalog Number	Cable Range Diameter over Jacket Min	Max	Dimension in Inches Turning Radius	Overall Length	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
1	EYMCJ-62-10	.47	.62	1⅜	9½	4 oz	⅛ oz
1¼	EYMCJ-78-12	.63	.78	1¾	10⅝	8 oz	¼ oz
1¼	EYMCJ-96-12	.79	.96	1¾	10⅝	8 oz	¼ oz
1½	EYMCJ-112-15	.97	1.12	2	11½	11 oz	½ oz
2	EYMCJ-137-20	1.13	1.37	2¼	12½	19 oz	1 oz
2	EYMCJ-153-20	1.38	1.53	2¼	12½	19 oz	1 oz
2½	EYMCJ-174-25	1.54	1.74	2⅝	14¾	25 oz	1½ oz
2½	EYMCJ-196-25	1.75	1.96	2⅝	14¾	25 oz	1½ oz
3	EYMCJ-215-30	1.97	2.15	2⅞	16⅛	32 oz	2 oz
3	EYMCJ-234-30	2.16	2.34	2⅞	16⅛	32 oz	2 oz
3	EYMCJ-253-30	2.35	2.53	2⅞	16⅛	32 oz	2 oz
3½	EYMCJ-280-35	2.54	2.80	3⅛	17⅜	60 oz	3 oz
3½	EYMCJ-298-35	2.81	2.98	3⅛	17⅜	60 oz	3 oz
4	EYMCJ-323-40	2.99	3.23	3⅜	18½	88 oz	4½ oz
4	EYMCJ-345-40	3.24	3.45	3⅜	18½	88 oz	4½ oz
1	EYMCJC-62-10	.47	.62	1⅜	9½	4 oz	⅛ oz
1¼	EYMCJC-78-12	.63	.78	1¾	10⅝	8 oz	¼ oz
1¼	EYMCJC-96-12	.79	.96	1¾	10⅝	8 oz	¼ oz
1½	EYMCJC-112-15	.97	1.12	2	11½	11 oz	½ oz
2	EYMCJC-137-20	1.13	1.37	2¼	12½	19 oz	1 oz
2	EYMCJC-153-20	1.38	1.53	2¼	12½	19 oz	1 oz
2½	EYMCJC-174-25	1.54	1.74	2⅝	14¾	25 oz	1½ oz
2½	EYMCJC-196-25	1.75	1.96	2⅝	14¾	25 oz	1½ oz
3	EYMCJC-215-30	1.97	2.15	2⅞	16⅛	32 oz	2 oz
3	EYMCJC-234-30	2.16	2.34	2⅞	16⅛	32 oz	2 oz
3	EYMCJC-253-30	2.35	2.53	2⅞	16⅛	32 oz	2 oz
3½	EYMCJC-280-35	2.54	2.80	3⅛	17⅜	60 oz	3 oz
3½	EYMCJC-298-35	2.81	2.98	3⅛	17⅜	60 oz	3 oz
4	EYMCJC-323-40	2.99	3.23	3⅜	18½	88 oz	4½ oz
4	EYMCJC-345-40	3.24	3.45	3⅜	18½	88 oz	4½ oz

Hazardous Location Sealing Fittings

For Tray Cable

Type EYTC

Use:
Terminates and seals a single cable from a cable tray entering an enclosure or a conduit system.
For vertical or horizontal installations.

Features:
• Sealing compound seals individual conductors exiting from cable jacket

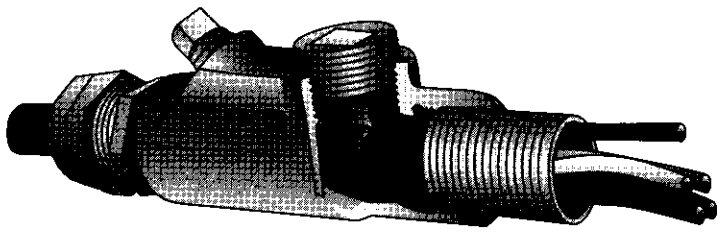
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-65070
Suitable for wet locations

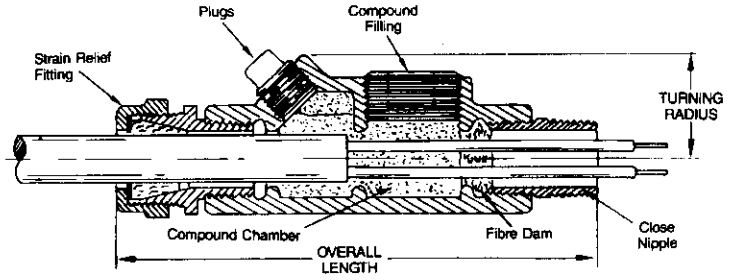
CSA Certified: LR 9795
½" - 1":
Class I Groups A, B, C, D, Division 2
1¼" - 2":
Class I Groups C, D, Division. 2
2½" - 3":
Class I Groups B, C, D, Division. 2

UL Listing requires using O-Z/Gedney EYC sealing compound, or Crouse-HInds Chico sealing compound and O-Z/Gedney Type EYF fibre with this Type EYTC fitting. CSA Certified using any manufacturers CSA Certified sealing compound.

Applicable Third Party Standards:
UL Standard: 886
CSA Standard: C22.2 No. 30



Type EYTC



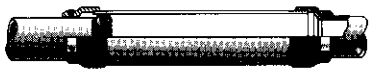
Catalog Number	Nipple Size (NPT)	Cable Range Diameter over Jacket Min	Max	Dimension in Inches Turning Radius	Overall Length	Sealing Compound Required	Approx. Amt. Fiber/Hub Required
EYTC-50	½-14	.1	.4	1⅛	5⅜	.75 oz	1/32 oz
EYTC-75	¾-14	.4	.7	1¼	5¾	1.5 oz	1/16 oz
EYTC-100	1-11½	.7	.9	1⅜	6½	2.25 oz	⅛ oz
EYTC-125	1¼-11½	.9	1.2	1¾	7¼	6 oz	¼ oz
EYTC-150	1½-11½	1.2	1.4	2	8⅛	9 oz	½ oz
EYTC-200	2-11½	1.4	1.8	2¼	9⅝	15 oz	1 oz
EYTC-250	2½-8	1.8	2.1	2¾	11⅜	19 oz	1½ oz
EYTC-300	3-8	2.1	2.4	3¼	12½	24 oz	2 oz

Expansion Fittings CA1-CA9

Expansion Fittings for EMT CA2

Deflection/Expansion Fittings CA4

Bonding Jumpers CA7



Pull Box Fittings CA10
Weatherproof Pull Box Fittings CA10

Expansion Fittings

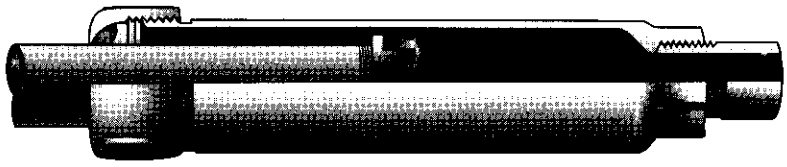
For Rigid Metal Conduit

Type AX

Provides 4" conduit movement

Type AX-8

Provides 8" conduit movement



Type AX-8 Provides for 8" Conduit Movement

Use:
To allow for expansion and contraction in a run of rigid metal conduit.

For applications involving IMC a 15" min. length of rigid conduit should be used entering the expansion fitting due to the slightly smaller O.D. of the IMC.

Type AX provides for a maximum of 4" conduit movement (2" in either direction).

Type AX-8 provides for a maximum of 8" conduit movement (4" in either direction).

Features:
- Weatherproof
- Includes insulating bushing
- Bonding jumpers on Page CA7

Material/Finish:
Malleable or Ductile Iron/
Hot Dip Galvanized

Optional Material:
Type AX and Type AX-8 expansion fittings are available in Copper-free Aluminum. Add letter "A" after Catalog Number (Example: AX-50A). Use ABJ jumpers shown on Page CA8.

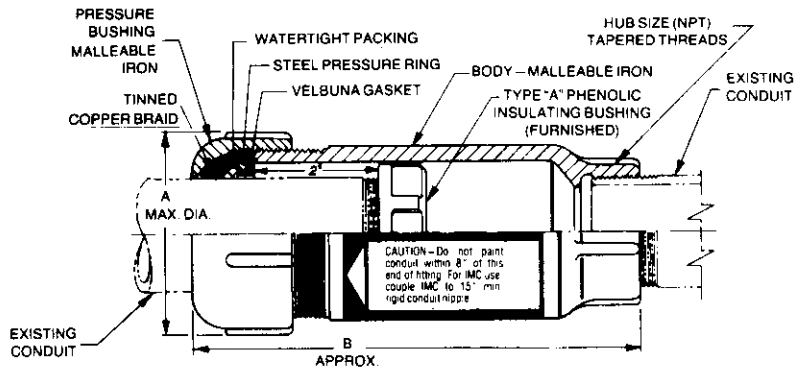
Third Party Certification:

UL Listed: E-11853
Wet or dry locations - use with Type BJ external bonding jumpers.

CSA Certified: 11584
Wet or dry locations - use with Type BJ external bonding jumpers.

To Order Specify:
Specify bonding jumpers for steel conduit by Catalog Numbers in corresponding table.

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1



Type AX Provides for 4" Conduit Movement

Trade Size (Inches)	Catalog Number	Dimensions in Inches Max. Dia.	Overall Length	Bonding Jumper - 14" Catalog Number
½	AX-50	2	6¼	BJ-0507-14
¾	AX-75	2¼	6⅜	BJ-0507-14
1	AX-100	2⅝	6⅝	BJ-1012-14
1¼	AX-125	3⅛	6⅝	BJ-1012-14
1½	AX-150	3½	6⅝	BJ-1520-14
2	AX-200	4	7⅛	BJ-1520-14
2½	AX-250	4½	7½	BJ-2530-14
3	AX-300	5⅜	8⅛	BJ-2530-14
3½	AX-350	6	8½	BJ-3540-14
4	AX-400	6⅝	8⅝	BJ-3540-14
5	AX-500	8	9½	BJ-5060-14
				Bonding Jumper - 24"
½	AX-8-50	2	10¼	BJ-0507-24
¾	AX-8-75	2¼	10⅜	BJ-0507-24
1	AX-8-100	2⅝	10⅝	BJ-1012-24
1¼	AX-8-125	3⅛	10⅝	BJ-1012-24
1½	AX-8-150	3½	10⅝	BJ-1520-24
2	AX-8-200	4	11⅛	BJ-1520-24
2½	AX-8-250	4½	11½	BJ-2530-24
3	AX-8-300	5⅜	12⅛	BJ-2530-24
3½	AX-8-350	6	12¼	BJ-3540-24
4	AX-8-400	6⅝	12⅜	BJ-3540-24
5	AX-8-500	8	13½	BJ-5060-24

Expansion Fittings

For Electrical Metallic Tubing (EMT)

Type TX

Use:
To allow for expansion and contraction in a run of electrical metallic tubing (EMT).

Features:
• A maximum of 4" conduit movement is provided (2" in either direction)
• These fittings, less the EMT connectors and conduit nipple, are our Type AX expansion fittings which are listed by Underwriters Laboratories, Inc., for use with rigid conduit when used with jumpers

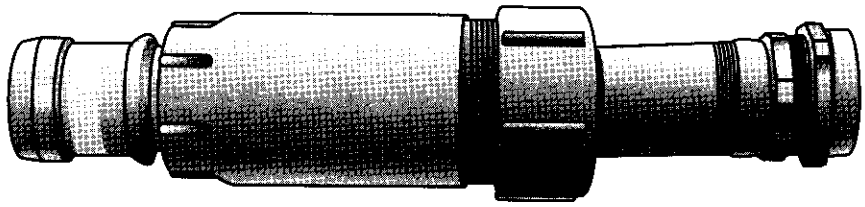
Finish:
Basic Type AX expansion fitting is Hot Dip Galvanized. Other metal parts are Zinc Plated.

Third Party Certification:
UL Listed: 14895

Note:
Fittings are inserted as a unit into the conduit run using the EMT connectors and couplings which are furnished as part of each fitting.

To Order Specify:
Specify bonding jumpers for steel conduit by Catalog Numbers in corresponding table.

Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E
NEMA: FB-1



Type TX Provides for 4" EMT Movement

Catalog Number	EMT Size	Bonding Jumper - 24" Catalog Number
TX-50	½	BJ-0507-24
TX-75	¾	BJ-0507-24
TX-100	1	BJ-1012-24
TX-125	1¼	BJ-1012-24
TX-150	1½	BJ-1520-24
TX-200	2	BJ-1520-24
TX-250	2½	BJ-2530-24
TX-300	3	BJ-2530-24
TX-350	3½	BJ-3540-24
TX-400	4	BJ-3540-24

Expansion Fittings

For Rigid Metal Conduit

End Type EXE

For applications involving IMC conduit, a short length of rigid conduit should be used entering the expansion fitting due to the slightly smaller O.D. of the IMC.

Use:
To provide for expansion and contraction in a run of rigid metal conduit terminating in a junction box.

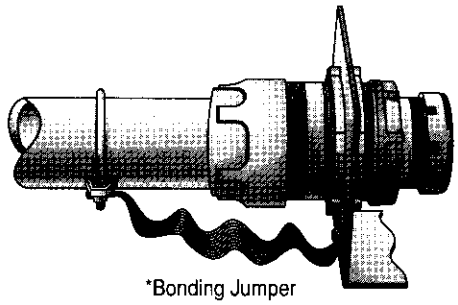
Material:
Heads - Malleable or Ductile Iron.
Sleeves - Steel (2) Locknuts and Bushing

Finish:
Hot Dip Galvanized

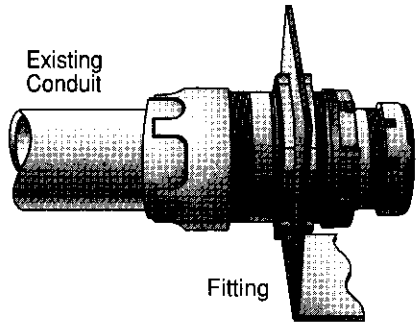
Third Party Certification:
UL Listed: E-11853
When used with external bonding jumper to comply with Section 250-77 of the National Electrical Code which states that expansion joints and telescoping sections of raceways shall be made electrically continuous by bonding jumpers or other approved means.

The Type "BJ-E" bonding jumpers listed in the table are an approved means of bonding.

Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E
NEMA: FB-1



Type EXE



The amount of conduit movement which can be provided is limited only by the space available in the junction box. If space in box is limited, the insulated bushing on the end of the conduit run may be set even with the bushing on the end of the fitting and a movement of 4" would be provided (2" back into the fitting and 2" into the junction box). The bonding jumpers listed in the table provide for a movement of 4". Longer jumpers can be furnished. Refer to factory.

Trade Size (inches)	Catalog Number	Dimensions in Inches: Length Max.	Outer Box Dia.	K.O. Size	Bonding Jumper - 16" Catalog Number
½	EXE-50	1¾	4⅛	1	BJ-0507 E-16
¾	EXE-75	2⅛	4⅛	1¼	BJ-0507 E-16
1	EXE-100	2⅜	4⅛	1½	BJ-1012 E-16
1¼	EXE-125	2⅞	4⅜	2	BJ-1012 E-16
1½	EXE-150	3⅜	4⅞	2½	BJ-1520 E-16
2	EXE-200	4	5	3	BJ-1520 E-16
2½	EXE-250	4⅝	5¼	3½	BJ-2530 E-16
3	EXE-300	5⅛	5⅝	4	BJ-2530 E-16
3½	EXE-350	5¾	5½	4½	BJ-3540 E-16
4	EXE-400	6¼	5½	5	BJ-3540 E-16
5	EXE-500	8⅜	7⅜	7	BJ-5060 E-16
6	EXE-600	9½	7⅜	8	BJ-5060 E-16

Deflection/Expansion Fittings

For Rigid Metal Conduit & IMC

Type DX

Use:
To compensate for movement in any direction between two conduit ends which they connect. Type DX fittings will withstand occasional vibration transmitted to conduit by rotating equipment or vehicular traffic.

These fittings will provide for a movement of ¾" from the normal in all directions. Where they are used for angular movement they will allow for a deflection of 30° from the normal in any direction.

Fittings may be used with PVC conduit by using standard adapters in each end.

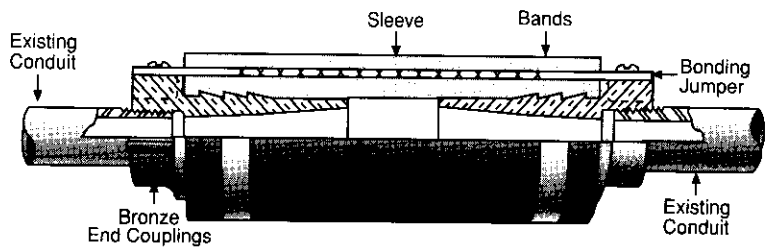
Features:
- Watertight (NEMA 4)
- Raintight
- Concretetight

Material:
End Couplings - Bronze
Sleeve - Neoprene
Bands - Stainless Steel
Bonding Jumper - Tinned Copper Braid

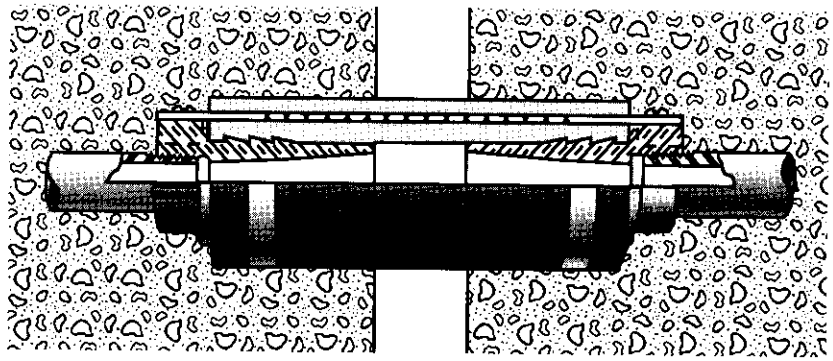
Third Party Certification:
UL Listed: E-11853

CSA Certified: 11584

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1



Type DX



Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia.	Overall Length
½	DX-50	2¼	6¾
¾	DX-75	2½	6¾
1	DX-100	2¾	7
1¼	DX-125	3⅛	7¼
1½	DX-150	3⅛	7¼
2	DX-200	3⅞	8⅛
2½	DX-250	4⅜	8½
3	DX-300	5	8½
3½	DX-350	5¾	9¼
4	DX-400	6¼	9¼
5	DX-500	7¼	9⅜
6	DX-600	8¼	9⅜

Expansion Fittings

For Rigid Metal Conduit

Type EX

To allow for expansion and contraction of conduit. Permits 8" conduit movement (4" in either direction).

Features:
• Weatherproof

Material:
Head - Malleable or Ductile Iron
Sleeve - Steel
Insulating Bushing - Phenolic

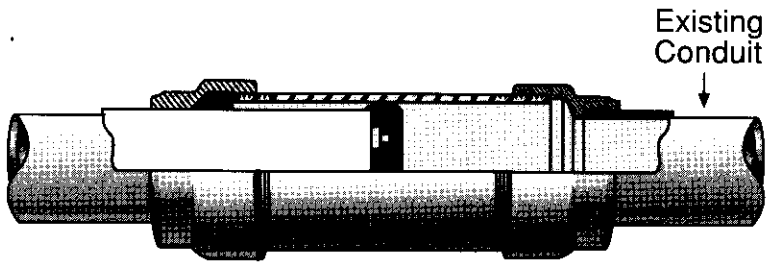
Finish:
Hot Dip Galvanized

Optional Material:
Available in aluminum at 30% price addition. To specify, add letter "A" after Catalog Number.

Third Party Certification:
UL Listed E-11853
When used with external bonding jumper to comply with Section 250-77 of the National Electrical Code which states that expansion joints and telescoping sections of raceways shall be made electrically continuous by bonding jumpers or other approved means. The Type BJ bonding jumpers listed in the table are an approved means of bonding.

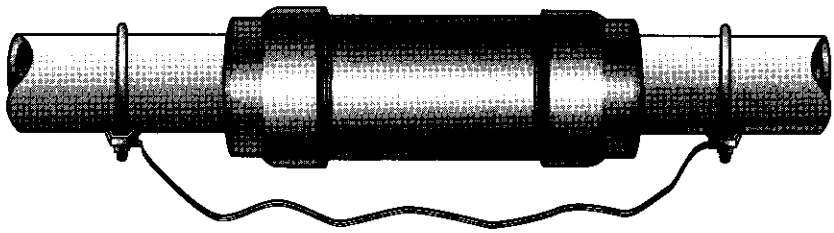
CSA Certified: 11584
When used with Type BJ external bonding jumpers.

Applicable Third Party Standards:
UL Standard: 514
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1



Fitting

Type EX



Bonding Jumper

Trade Size (inches)	Catalog Number	Dimensions In Inches Max. Dia.	Overall Length	Bonding Jumper - 24" Catalog Number
½	EX-50	1¾	11	BJ-0507-24
¾	EX-75	2⅛	11⅜	BJ-0507-24
1	EX-100	2⅜	11¾	BJ-1012-24
1¼	EX-125	2⅞	11⅞	BJ-1012-24
1½	EX-150	3⅜	12¼	BJ-1520-24
2	EX-200	4	12½	BJ-1520-24
2½	EX-250	4⅝	13¼	BJ-2530-24
3	EX-300	5⅛	13¼	BJ-2530-24
3½	EX-350	5¾	13½	BJ-3540-24
4	EX-400	6¼	13¾	BJ-3540-24
5	EX-500	8⅜	15⅛	BJ-5060-24
6	EX-600*	9½	15⅝	BJ-5060-24

*Not CSA Certified

Expansion - Pull Box Fittings

For Rigid Metal Conduit

Type EXPB

Use:
To allow for expansion and contraction in a run of rigid conduit (2" in either direction for a total movement of 4").

Also to provide a convenient pull box to supply an intermediate pulling point in the conduit run.

Features:
- Weatherproof
- Fitting supplied complete with bonding jumper, oversize sleeve and Type A insulating bushing.

The bonding jumpers furnished are of the form shown in the illustration except on the 3½", 5" and 6" sizes. On these sizes the bonding jumper spans the entire fitting and, except for the length of the braid, is the same as the Type BJ illustrated under Type EX expansion fittings as shown on page CA7.

Material:
Head - Malleable or Ductile Iron
Sleeve - Steel
Bonding Jumpers - similar to Type BJ on page CA7.

Optional Material:
Available in Copper-free Aluminum.
Add letter "A" after Catalog number.
(Example: EXPB-50A).

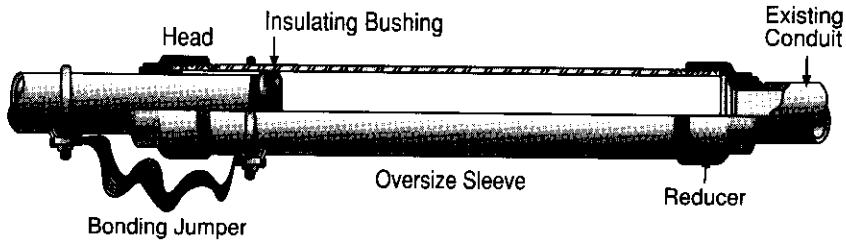
Finish:
Hot Dip Galvanized

Third Party Certification:
UL Listed: E-11853

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Note:
The oversize sleeve furnished provides an opening for pulling the cable which meets the minimum requirement of NEC Par. 370-18 (a)(1).

Extra length sleeves to provide a longer pulling opening can be furnished at a price addition. Contact your local representative giving pulling opening require.



Type EXPB

Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia.	Overall Length	Oversize Sleeve Length
½	EXPB-50	1¾	14½	12
¾	EXPB-75	2⅛	14¾	12
1	EXPB-100	2⅜	15	12
1¼	EXPB-125	2⅞	17¼	14
1½	EXPB-150	3⅜	19½	16
2	EXPB-200	4	23¾	20
2½	EXPB-250	4⅝	28¼	24
3	EXPB-300	5⅛	32¼	28
3½	EXPB-350	5¾	36½	32
4	EXPB-400	6¼	40½	36
5	EXPB-500	8⅜	40½	36
6	EXPB-600	9½	58	52

Grounding & Bonding Jumpers

For Rigid Steel, IMC & EMT

Type BJ & Type BJ-E

Use:
Type BJ - For bonding two rigid, EMT or IMC steel conduits together.

Type BJ-E - For bonding conduit to a flat surface, such as a cabinet or box.

Material:
Clamps - Malleable or Ductile Iron
U-Bolts - steel
Braids - tinned copper

Finish:
Clamps and U-Bolts are Hot Dip Galvanized.

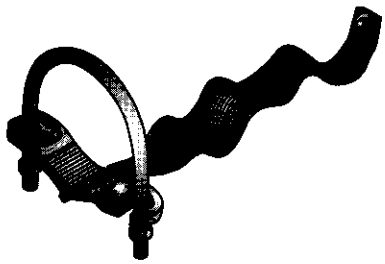
Sizes:
Braid lengths listed are fully extended.

Optional Sizes:
Braid lengths other than shown are available, contact your local representative.

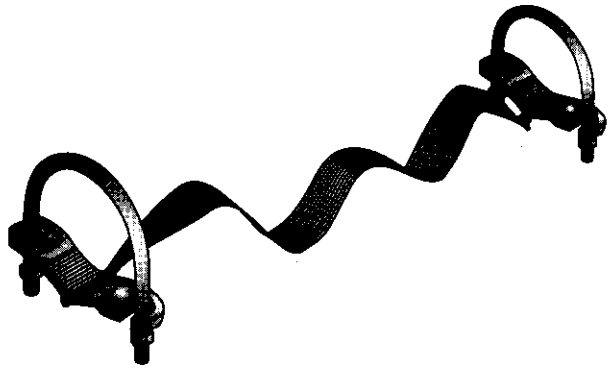
Third Party Certification:
UL Listed: E-24264

CSA Certified: 15978

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-406E
NEMA: FB-1



Type BJ-E



Type BJ

Use with Type AX

Catalog Number	Trade Size (in.) Min.	Max.
BJ-0507-14	½	¾
BJ-1012-14	1	1¼
BJ-1520-14	1½	2
BJ-2530-14	2½	3
BJ-3540-14	3½	4
BJ-5060-14	5	6

Use with Type AX8, TX & EX

Catalog Number	Trade Size (in.) Min.	Max.
BJ-0507-24	½	¾
BJ-1012-24	1	1¼
BJ-1520-24	1 ½	2
BJ-2530-24	2 ½	3
BJ-3540-24	3 ½	4
BJ-5060-24	5	6

Use with Type EXE

Catalog Number	Trade Size (in.) Min.	Max.
BJ-0507-E-16	½	¾
BJ-1012-E-16	1	1¼
BJ-1520-E-16	1½	2
BJ-2530-E-16	2½	3
BJ-3540-E-16	3½	4
BJ-5060-E-16	5	6

Grounding & Bonding Jumpers

For Rigid Aluminum Conduit

Type ABJ

Use:
For bonding two rigid aluminum conduits together or when used with aluminum expansion fittings.

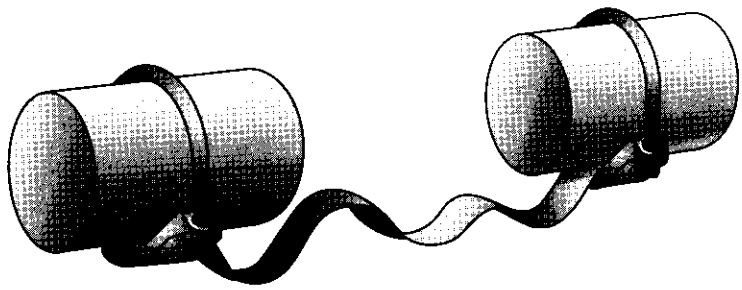
Material:
C lamps and connecting strap - Aluminum
U-Bolts and Nuts - Stainless Steel

Optional Sizes:
Span lengths other than shown are available. Contact your local representative.

Third Party Certification:
UL Listed: E-24264

CSA Certified: 11584

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-406E
NEMA: FB-1



Type ABJ

Use with Type AX-A

Catalog Number (Strap Length 14")	Trade Size (inches)
ABJ-0507-14	½ or ¾
ABJ-10-14	1
ABJ-12-14	1¼
ABJ-15-14	1½
ABJ-20-14	2
ABJ-25-14	2½
ABJ-30-14	3
ABJ-35-14	3½
ABJ-40-14	4
ABJ-50-14	5

Use with Type AX8-A and EX-A

Catalog Number (Strap Length 14")	Trade Size (inches)
ABJ-0507-24	½ or ¾
ABJ-10-24	1
ABJ-12-24	1¼
ABJ-15-24	1½
ABJ-20-24	2
ABJ-25-24	2½
ABJ-30-24	3
ABJ-35-24	3½
ABJ-40-24	4
ABJ-50-24	5
ABJ-60-24	6

Combination Deflection/Expansion Fittings

For Rigid Metal Conduit & IMC

Type AXDX

Provide deflection and straight line movement beyond ¾"

Use:
The assembly shown can be used where allowance for expansion and deflection must be provided but the 3/4" straight line movement in either direction which our Type DX expansion/deflection fitting permits is not sufficient. By combining the Type DX fitting with our Type AX expansion fitting, a straight line movement of 2" in either direction (total movement of 4") is provided.

Features:
- Fitting assembly can be used embedded in concrete as shown, or can be used in exposed locations.
- Fittings include standard Type DX and AX fittings, bonding jumper, insulating bushing, and short nipple.
- Fittings can be furnished to provide additional conduit movement beyond 2". Consult factory.

Material:
Sleeve - Neoprene
End Couplings - Bronze
Bonding Jumper - Tinned Copper Braids
Bands - Stainless Steel
All other metal parts are malleable, ductile iron or steel

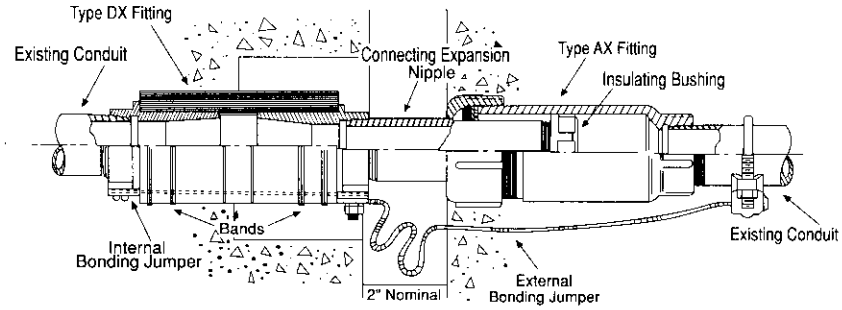
Finish:
All malleable, ductile iron or steel parts are Hot Dip Galvanized

Optional Sizes:
Other sizes available, Consult factory.

Third Party Certification:
UL Listed: E-11853

Certified File No. 11584

Applicable Third Party Standards:
UL Standard 514B
CSA Standard C22.2 No. 18
Fed. Spec: W-F-408E
NEMA FB-1



Type AXDX

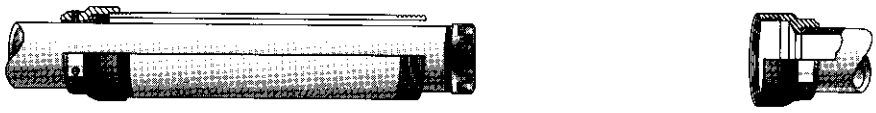
Trade Size (inches)	Catalog Number	Max. Dia. (inches)	Approx. Overall Length
½	AXDX-50	2¼	15
¾	AXDX-75	2½	15⅛
1	AXDX-100	2¾	15⅝
1¼	AXDX-125	3⅛	15⅞
1½	AXDX-150	3½	15⅞
2	AXDX-200	4	17¼
2½	AXDX-250	4½	18
3	AXDX-300	5⅛	18⅝
3½	AXDX-350	6	19¾
4	AXDX-400	6⅝	20
5	AXDX-500	8	21

Pull Box Fittings

For Rigid Metal Conduit & IMC

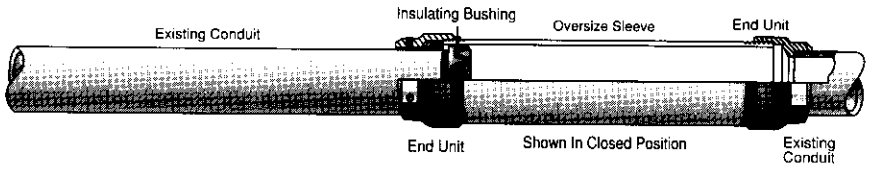
Type PB

Non-Weatherproof
Fittings consist of two malleable iron end units with a Type A insulating bushing.

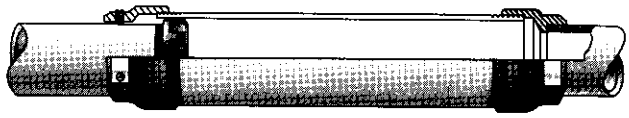


Type PBW

Weatherproof
Fittings consist of two malleable iron end units one of which is furnished with set screws and a set of sealing rings consisting of packing, copper ground and pressure ring. A Type A insulating bushing is also included.



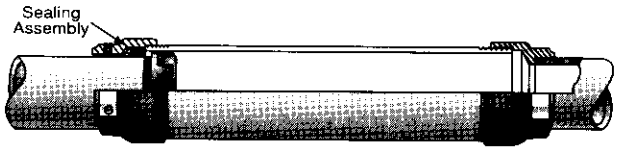
Features:
Two end units fitted to an oversize sleeve make a convenient pull box to provide intermediate pulling points in a rigid metal conduit system to meet NEC Par 370-18 (a)(1).



Type PB

Material:
End Units - Malleable or Ductile Iron
Sleeves - Steel: Sleeves must be ordered separately at an additional cost. Refer to Table on CA11.

Finish:
Hot Dip Galvanized.



Type PBW - Weatherproof

Optional Material:
Fittings are available in Aluminum at 30% List price addition. To specify an Aluminum fitting add letter "A" after Catalog Number (Example: PB-100A).
Aluminum sleeves are also available. Prices on application. (Other sleeve lengths available. Prices on application.)

Third Party Certification:
UL Listed: E-11853

To Order:
1. Specify end fittings (Example: PB 75) note the trade size of sleeve required.
2. Specify steel sleeve length and size from table (Example: PBS-125-12S).

Applicable Third Party Standards:
UL Standard: 514B

Pull Box Fittings

Dimensional Data:

✔Denotes ESP Availability

Type PB, PBW, End Fittings

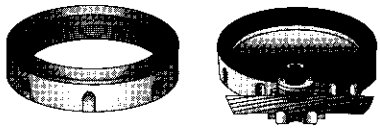
Trade Size (inches)	Non-Weatherproof Catalog Number	Oversize Sleeve Required Trade Size	Weatherproof Catalog Number	Oversize Sleeve Required Trade Size	Max. Dia.	Length Fitting Only	Oversize Sleeve Required Trade Size	Min. Required Sleeve Length*
			Dimensions in Inches					
½	✔PB 50	1	✔PBW 50	1	1¾	1⅞	1	6
¾	✔PB 75	1¼	✔PBW 75	1¼	2⅛	2	1¼	8
1	✔PB 100	1½	✔PBW 100	1½	2⅜	2¼	1½	12
1¼	✔PB 125	2	✔PBW 125	2	2⅞	2⅜	2	14
1½	✔PB 150	2½	✔PBW 150	2½	4	2¾	3	20
2	✔PB 200	3	✔PBW 200	3	4	2¾	3	20
2½	✔PB 250	3½	✔PBW 250	3½	4⅝	3⅛	3½	24
3	✔PB 300	4	✔PBW 300	4	5⅛	3⅛	4	28
3½	✔PB 350	4½	✔PBW 350	4½	5¾	3⅛	4½	32
4	✔PB 400	5	✔PBW 400	5	6⅜	3⅛	5	36
5	✔PB 500	7	✔PBW 500	7	8⅜	4⅛	7	44
6	✔PB 600	8	✔PBW 600	8	9½	4⅛	8	52

*Minimum length of sleeve required to meet NEC Par. 370-18(a)(1).
Shorter sleeves are allowed under NEC Par. 370-(a)(3) when less than maximum conduit fill is used.

Steel Sleeves

Trade Size Sleeve	12" Catalog Number	18" Catalog Number	24" Catalog Number	30" Catalog Number	36" Catalog Number	48" Catalog Number	60" Catalog Number
			Dimensions in Inches				
1	PBS-100-12S	PBS-100-18S					
1¼	PBS-125-12S	PBS-125-18S					
1½	PBS-150-12S	PBS-150-18S	PBS-150-24S				
2	PBS-200-12S	PBS-200-18S	PBS-200-24S				
2½	PBS-250-12S	PBS-250-18S	PBS-250-24S	PBS-250-30S	PBS-250-36S		
3	PBS-300-12S	PBS-300-18S	PBS-300-24S	PBS-300-30S	PBS-300-36S		
3½	PBS-350-12S	PBS-350-18S	PBS-350-24S	PBS-350-30S	PBS-350-36S	PBS-350-48S	PBS-350-60S
4	PBS-400-12S	PBS-400-18S	PBS-400-24S	PBS-400-30S	PBS-400-36S	PBS-400-48S	PBS-400-60S
4½	PBS-450-12S	PBS-450-18S	PBS-450-24S	PBS-450-30S	PBS-450-36S	PBS-450-48S	PBS-450-60S
5	PBS-500-12S	PBS-500-18S	PBS-500-24S	PBS-500-30S	PBS-500-36S	PBS-500-48S	PBS-500-60S
6	PBS-600-12S	PBS-600-18S	PBS-600-24S	PBS-600-30S	PBS-600-36S	PBS-600-48S	PBS-600-60S
7	PBS-700-12S	PBS-700-18S	PBS-700-24S	PBS-700-30S	PBS-700-36S	PBS-700-48S	PBS-700-60S
8	PBS-800-12S	PBS-800-18S	PBS-800-24S	PBS-800-30S	PBS-800-36S	PBS-800-48S	PBS-800-60S

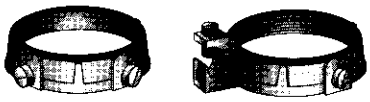
SECTION D INDEX	Product Description	Page Number



Specification Grade Insulated Bushings DA1
Specification Grade Insulated Grounding Bushings DA2-DA4

Specification Grade Insulating Bushings DA5-DA6

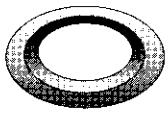
Insulating Bushings DB1



Insulated Bushings DB2
Insulated Grounding Bushings DB3-DB4

Conduit Bushings/Locknuts DB5-DB7

Bonding Wedge Locknuts DB8



Reducing Washers DB9

Notes

Specification Grade Insulated Bushings

For Rigid Metal Conduit, IMC & EMT

Types B, HB, AB, RB, SB, SBT

Use:
To protect insulated conductors from abrasion during pulling and from mechanical vibration.

To provide voltage gradient between live conductors and ground at point of electrical and mechanical stress on conductor insulation.

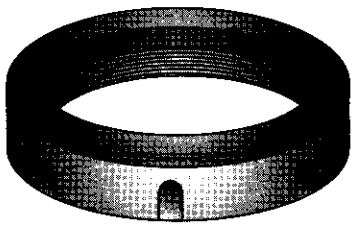
Features:
- Molded-on high impact phenolic thermosetting insulation
- UL insulation temperature rating 150°C
- Positive metallic conduit stop

Material/Finish:
For threaded rigid and IMC
Type B: Malleable Iron or Steel/Zinc Plated
Type HB: Malleable Iron or Steel Mechanical/Hot Dip Galvanized
Type AB: Aluminum Bushing
Type RB: Bronze, for highly corrosive atmospheres
For threadless rigid and IMC
Type SB: Malleable Iron or Steel/Zinc Plated
For EMT
Type SBT: Malleable Iron or Steel/Zinc Plated

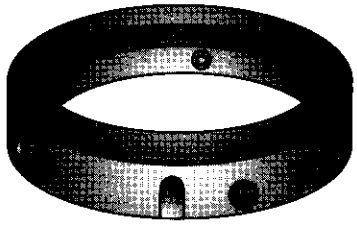
Options:
Type B insulated bushings are also available for threadless rigid and IMC in the following materials:
Type HSB:Malleable Iron or Steel Mechanical/Hot Dip Galvanized
Type ASB: Aluminum
Type RSB: Bronze

Third Party Certification:
UL Listed: E-11853
CSA Certified: 11584

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1



Type B



Type SB

Trade Size (inches)	Threaded for Rigid Conduit Catalog Numbers: Zinc Plated	Hot Dip/ Mechanical Galvanized	Copper Free Aluminum	Bronze	Threadless Rigid & IMC Catalog Numbers: Malleable Iron or Steel/ Zinc Plated	EMT Catalog Numbers: Malleable Iron or Steel/ Zinc Plated
½	B-50	HB-50	AB-50	RB-50	SB-50	SBT-50
¾	B-75	HB-75	AB-75	RB-75	SB-75	SBT-75
1	B-100	HB-100	AB-100	RB-100	SB-100	SBT-100
1¼	B-125	HB-125	AB-125	RB-125	SB-125	SBT-125
1½	B-150	HB-150	AB-150	RB-150	SB-150	SBT-150
2	B-200	HB-200	AB-200	RB-200	SB-200	SBT-200
2½	B-250	HB-250	AB-250	RB-250	SB-250	SB-250
3	B-300	HB-300	AB-300	RB-300	SB-300	SB-300
3½	B-350	HB-350	AB-350	RB-350	SB-350	SB-350
4	B-400	HB-400	AB-400	RB-400	SB-400	SB-400
5	B-500	HB-500	AB-500	RB-500	SB-500	
6	B-600	HB-600	AB-600	HB-600	SB-600	

Note:
1 A Mechanically Galvanized finish provides a plating thickness equivalent to Hot-Dip process, meeting ASTM A-153 performance criteria.
Unlike the Hot-Dip process, mechanical galvanizing provides plating on all machined and/or threaded surfaces.
2 Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC on page DB1.

Suggested Specification:
O-Z/Gedney Type B insulated bushings of malleable iron or steel, with conduit end stop and integrally molded noncombustible phenolic insulated surfaces rated 150°C shall be used on the ends of all raceways containing No. 4 or larger conductors.

Trade Size (inches)	Dimensions in Inches: Max. Dia.	Overall Height
½	1⅛	1½
¾	1⅜	⅝
1	1⅝	¾
1¼	2	¾
1½	2¼	¾
2	2¾	⅞
2½	3¼	1
3	4	1
3½	4½	1
4	5	1⅛
5	6¼	1¼
6	7⅜	1⅜

Specification Grade Insulated Grounding Bushings

For Rigid Metal Conduit & IMC

Type BLG & Type HBLG

Copper Plus™ Lay-In-Lug™

Use:
To provide a compact means of grounding conduit through an Insulated Bushing.

To protect insulated conductors from abrasion during pulling and mechanical vibration.

To provide voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

Features:
- Tin plated copper saddle for use with copper or aluminum conductors through 4/0.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C U.L. rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.

Material/Finish:
Type BLG: Malleable Iron or Steel, Zinc Plated
Type HBLG: Malleable Iron or Steel, Mechanically/Hot Dip Galvanized with Stainless Steel screws.

Options:
Type BLG grounding bushings are also available for use on threadless conduit in Malleable Iron/Hot Dip Mechanically Galvanized - Specify Type HSBLG. Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed E-24264

CSA Certified:15978

Applicable Third Party Standards:
UL Standard: 514B, 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-408E
NEMA: FB-1

Ordering Information:
To select a catalog number for a Lay-in-Lug insulated grounding bushing to be used on a 2" threaded conduit using a 2/0 grounding conductor, specify the following:

BLG — 20 — 22
or
HBLG — 20 — 22

Type and Material | Conduit Size | Grounding Conductor Range #8 to 2/0

Suggested Specifications:
O-Z/Gedney Type BLG insulated Lay-in-Lug grounding bushings with tin-plated copper grounding path shall be used on all feeder raceways and bushings shall have integrally molded noncombustible insulated surfaces rated 150°C.

Notes:
1 A Mechanically Galvanized finish provides a plating thickness equivalent to Hot-Dip process, meeting ASTM A-153 performance criteria. Unlike the Hot-Dip process, mechanical galvanizing provides plating on all machined and/or threaded surfaces.
2 Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC on page DB1.

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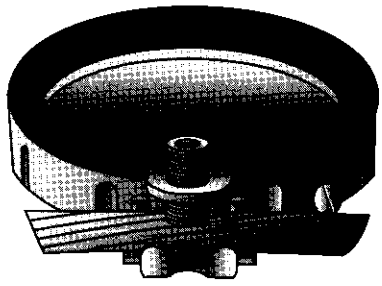

Type BLG

Trade Size (inches)	Zinc Plated Catalog Number*	Hot Dip/ Mechanical Galvanized Catalog Number*	Grounding Wire Size* Min.	Grounding Wire Size* Max.	Dimensions in Inches Max. Dia.	Max. Ht.	Turn. R.
½	BLG-0504	HBLG-0504	14	4	1⅛	½	1⅛
½	BLG-0522	HBLG--0522	8	2/0	1⅛	½	1½
¾	BLG-0704	HBLG-0704	14	4	1⅜	⅝	1¼
¾	BLG-0722	HBLG-0722	8	2/0	1⅜	⅝	1½
1	BLG-1104	HBLG-1104	14	4	1⅝	¾	1⅜
1	BLG-1122	HBLG-1122	8	2/0	1⅝	¾	1⅝
1¼	BLG-1204	HBLG-1204	14	4	2	¾	1½
1¼	BLG-1222	HBLG-1222	8	2/0	2	¾	1¾
1½	BLG-1504	HBLG-1504	14	4	2¼	¾	1⅝
1½	BLG-1522	HBLG-1522	8	2/0	2¼	¾	1⅞
2	BLG-2004	HBLG-2004	14	4	2¾	⅞	2
2	BLG-2022	HBLG-2022	8	2/0	2¾	⅞	2¼
2½	BLG-2604	HBLG-2604	14	4	3¼	1	2⅛
2½	BLG-2622	HBLG-2622	8	2/0	3¼	1	2½
2½	BLG-2624	HBLG-2624	6	4/0	3¼	1	2¾
2½	BLG-2650	HBLG-2650	250	500	3¼	1	3⅞
3	BLG-3104	HBLG-3104	14	4	4	1	2½
3	BLG-3122	HBLG-3122	8	2/0	4	1	2¾
3	BLG-3124	HBLG-3124	6	4/0	4	1	3⅛
3	BLG-3150	HBLG-3150	250	500	4	1	3¾
3½	BLG-3604	HBLG-3604	14	4	4½	1	2¾
3½	BLG-3622	HBLG-3622	8	2/0	4½	1	3
3½	BLG-3624	HBLG-3624	6	4/0	4½	1	3⅜
3½	BLG-3650	HBLG-3650	250	500	4½	1	4
4	BLG-4104	HBLG-4104	14	4	5	1⅛	3
4	BLG-4122	HBLG-4122	8	2/0	5	1⅛	3⅜
4	BLG-4124	HBLG-4124	6	4/0	5	1⅛	3⅜
4	BLG-4150	HBLG-4150	250	500	5	1⅛	4¼
5	BLG-5104	HBLG-5104	14	4	6¼	1¼	3¾
5	BLG-5122	HBLG-5122	8	2/0	6¼	1¼	4
5	BLG-5124	HBLG-5124	6	4/0	6¼	1¼	4¼
5	BLG-5150	HBLG-5150	250	500	6¼	1¼	5
6	BLG-6104	HBLG-6104	14	4	7⅜	1⅜	4¼
6	BLG-6122	HBLG-6122	8	2/0	7⅜	1⅜	4½
6	BLG-6124	HBLG-6124	6	4/0	7⅜	1⅜	4⅞
6	BLG-6150	HBLG-6150	250	500	7⅜	1⅜	5⅞

*Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 mcm lug.

Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit & IMC

Type ABLG & Type RBLG

Copper Plus™ Lay-In-Lug™

Use:
To provide a compact means of grounding conduit through an Insulated Bushing.

To protect insulated conductors from abrasion during pulling and mechanical vibration.

To provide voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

Features:
- Tin plated copper saddle for use with copper or aluminum conductors through 4/0.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C U.L. rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.

Material/Finish:
Type ABLG Aluminum Bushing
Type RBLG Bronze Bushing

Options:
Type ABLG grounding bushings are also available for threadless conduit in bronze and/or aluminum. Specify: Type RSBLG for bronze bushings or Type ASBLG for aluminum bushings. Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-24264

CSA Certified: 15978

Applicable Third Party Standards:
UL Standard: 514B, 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-408E
NEMA: FB-1

Ordering Information:
To select a catalog number for a Lay-in-Lug insulated grounding bushing to be used on a 2" threaded conduit using a 2/0 grounding conductor, specify the following:

ABLG — 20 — 22
or
RBLG — 20 — 22

Type and Material | Conduit Size | Grounding Conductor Range #8 to 2/0

Suggested Specifications:
O-Z/Gedney Type BLG insulated Lay-in-Lug grounding bushings with tin-plated copper grounding path shall be used on all feeder raceways and bushings shall have integrally molded noncombustible insulated surfaces rated 150°C.

Notes:
1 Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC on page DB1.

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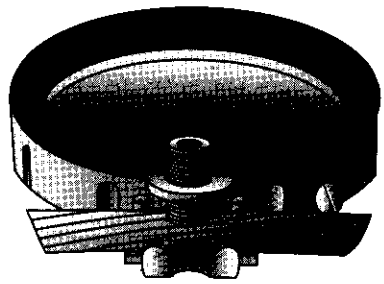


Type ABLG

Trade Size (inches)	Copper Free Aluminum Catalog Number	Bronze Catalog Number	Grounding Wire Size* Min.	Grounding Wire Size* Max.	Dimensions in Inches Max. Dia.	Max. Ht.	Turn. R.
½	ABLG-0504	RBLG-0504	14	4	1⅛	½	1⅛
½	ABLG-0522	RBLG-0522	8	2/0	1⅛	½	1½
¾	ABLG-0704	RBLG-0704	14	4	1¾	⅝	1¼
¾	ABLG-0722	RBLG-0722	8	2/0	1⅜	⅝	1½
1	ABLG-1104	RBLG-1104	14	4	1⅝	¾	1⅜
1	ABLG-1122	RBLG-1122	8	2/0	1⅝	¾	1⅝
1¼	ABLG-1204	RBLG-1204	14	4	2	¾	1½
1¼	ABLG-1222	RBLG-1222	8	2/0	2	¾	1¾
1½	ABLG-1504	RBLG-1504	14	4	2¼	¾	1⅝
1½	ABLG-1522	RBLG-1522	8	2/0	2¼	¾	1⅞
2	ABLG-2004	RBLG-2004	14	4	2¾	⅞	2
2	ABLG-2022	RBLG-2022	8	2/0	2¾	⅞	2¼
2½	ABLG-2604	RBLG-2604	14	4	3¼	1	2⅛
2½	ABLG-2622	RBLG-2622	8	2/0	3¼	1	2½
2½	ABLG-2624	RBLG-2624	6	4/0	3¼	1	2¾
2½	--	RBLG-2650	250	500	3¼	1	3⅞
3	ABLG-3104	RBLG-3104	14	4	4	1	2½
3	ABLG-3122	RBLG-3122	8	2/0	4	1	2¾
3	ABLG-3124	RBLG-3124	6	4/0	4	1	3⅛
3	--	RBLG-3150	250	500	4	1	3¾
3½	ABLG-3604	RBLG-3604	14	4	4½	1	2¾
3½	ABLG-3622	RBLG-3622	8	2/0	4½	1	3
3½	ABLG-3624	RBLG3624	6	4/0	4½	1	3⅜
3½	--	RBLG-3650	250	500	4½	1	4
4	ABLG-4104	RBLG-4104	14	4	5	1⅛	3
4	ABLG-4122	RBLG-4122	8	2/0	5	1⅛	3⅜
4	ABLG-4124	RBLG-4124	6	4/0	5	1⅛	3⅜
4	--	RBLG-4150	250	500	5	1⅛	4¼
5	ABLG-5104	RBLG-5104	14	4	6¼	1¼	3¾
5	ABLG-5122	RBLG-5122	8	2/0	6¼	1¼	4
5	ABLG-5124	RBLG-5124	6	4/0	6¼	1¼	4¼
5	--	RBLG-5150	250	500	6¼	1¼	5
6	ABLG-6104	RBLG-6104	14	4	7⅜	1⅜	4¼
6	ABLG-6122	RBLG-6122	8	2/0	7⅜	1⅜	4½
6	ABLG-6124	RBLG-6124	6	4/0	7⅜	1⅜	4⅞
6	--	RBLG-6150	250	500	7⅜	1⅜	5⅞

*Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 mcm lug.

Specification Grade Insulated Grounding Bushings

For Threadless Rigid Conduit & IMC

Type SBLG

Copper Plus™ Lay-In-Lug™

Use:
Provides a compact means of grounding conduit through an insulated bushing.

Protects insulated conductors from abrasion during pulling and mechanical vibration.

Provides voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

Features:
- Tin plated copper saddle for use with copper or aluminum conductors.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C UL rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.

Material/Finish:
Bushings - Malleable Iron or Steel/Zinc Plated
Grounding Saddle - Tin Plated Copper
Clamping Tension Body - Stainless Steel

Third Party Certification:
UL Listed: E-24264

CSA Certified: 15978

Applicable Third Party Standards:
UL Standard: 514B, 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-408E
NEMA: FB-1

Ordering Information:
Top select a catalog number for a Lay-in-Lug insulated grounding bushing to be used on a 2" threaded conduit using a 2/0 grounding conductor, specify the following:

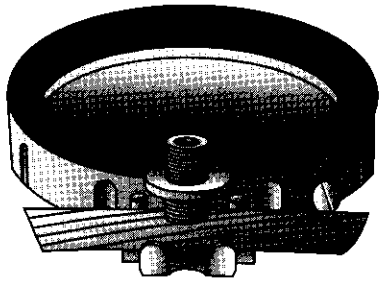
SBLG	20	22
Type and Material	Conduit Size	Grounding Conductor Range #8 to 2/0

Suggested Specifications:
O-Z/Gedney Type SBLG insulated Lay-in-Lug grounding bushings with tin-plated copper grounding path shall be used on all feeder raceways and conduits entering enclosures. The bushings shall have integrally molded non combustible insulated surfaces rated 150°C.

Notes:
1 A Mechanically Galvanized finish is available that will provide plating thickness equivalent to Hot-Dip process, meeting ASTM A-153 performance criteria. Unlike the Hot-Dip process, mechanical galvanizing provides plating on all machined and/or threaded surfaces.

2 Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC on page DB1.

PATENTED



Type SBLG

Trade Size (inches)	Threadless Rigid and IMC Catalog Number	Dimensions in Inches Grounding Wire Size* Min.	Grounding Wire Size* Max.	Max. Dia.	Max. Ht.	Turn. R.
½	SBLG-0504	14	4	1⅛	½	1⅛
½	SBLG-0522	8	2/0	1⅛	½	1½
¾	SBLG-0704	14	4	1⅜	⅝	1¼
¾	SBLG-0722	8	2/0	1⅜	⅝	1½
1	SBLG-1104	14	4	1⅝	¾	1⅜
1	SBLG-1122	8	2/0	1⅝	¾	1⅝
1¼	SBLG-1204	14	4	2	¾	1½
1¼	SBLG-1222	8	2/0	2	¾	1¾
1½	SBLG-1504	14	4	2¼	¾	1⅝
1½	SBLG-1522	8	2/0	2¼	¾	1⅞
2	SBLG-2004	14	4	2¾	⅞	2
2	SBLG-2022	8	2/0	2¾	⅞	2¼
2½	SBLG-2604	14	4	3¼	1	2⅛
2½	SBLG-2622	8	2/0	3¼	1	2½
2½	SBLG-2624	6	4/0	3¼	1	2¾
3	SBLG-3104	14	4	4	1	2½
3	SBLG-3122	8	2/0	4	1	2¾
3	SBLG-3124	6	4/0	4	1	3⅛
3½	SBLG-3604	14	4	4½	1	2¾
3½	SBLG-3622	8	2/0	4½	1	3
3½	SBLG-3624	6	4/0	4½	1	3⅜
4	SBLG-4104	14	4	5	1⅛	3
4	SBLG-4122	8	2/0	5	1⅛	3⅜
4	SBLG-4124	6	4/0	5	1⅛	3⅝
5	SBLG-5104	14	4	6¼	1¼	3¾
5	SBLG-5122	8	2/0	6¼	1¼	4
5	SBLG-5124	6	4/0	6¼	1¼	4¼
6	SBLG-6104	14	4	7⅜	1⅜	4¼
6	SBLG-6122	8	2/0	7⅜	1⅜	4½
6	SBLG-6124	6	4/0	7⅜	1⅜	4⅞

*Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger.
Copper conductor only for #14-4 lug.

Insulating Bushings

For Threaded Rigid Conduit & IMC

Features:
• High impact thermosetting phenolic bushings, with at 150°C UL temperature rating, that will not soften melt or burn.

Type A

Use:
To insulate end of threaded rigid and IMC

Third Party Certification:
UL Listed: E-11853
CSA Certified: 11584

Type BB

Use:
To insulate cables passing through metal boxes or troughs

Third Party Certification:
UL Listed: E-20933
CSA Certified:11584

Type BBL

Use:
Type BB provided with a locknut

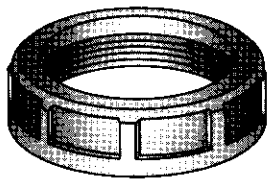
Third Party Certification:
UL Listed: E-20933
CSA Certified: 11584

Type ABB

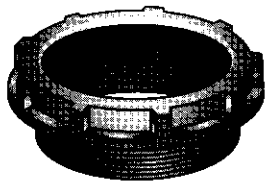
Use:
A combination of Type "A" and "BB" Bushings. For insulating cables passing through metal boxes or troughs

Third Party Certification:
UL Listed: E-20933
CSA Certified: 11584

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1



Type A

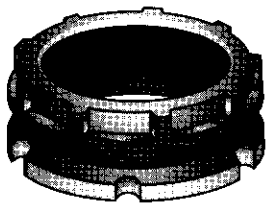


Type BB

Trade Size (inches)	Type A Catalog Number	Dimensions in Inches Outside Dia.	Overall Height
½	A-50	1⅛	½
¾	A-75	1⅜	½
1	A-100	1¾	⅝
1¼	A-125	2⅛	¾
1½	A-150	2⅜	¾
2	A-200	2⅞	¾
2½	A-250	3⅜	⅞
3	A-300	4	⅞
3½	A-350	4⅝	⅞
4	A-400	5⅛	⅞
5	A-500	6¼	1⅛
6	A-600	7⅜	1⅛

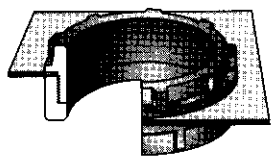
Trade Size (inches)	Type BB Catalog Number	Dimensions in Inches Outside Dia.	Bushing Hole Dia.	Thread Length
½	BB-50	1⅛	⅝	⅜
¾	BB-75	1⅜	¾	⅜
1	BB-100	1¾	1	½
1¼	BB-125	2⅛	1¼	½
1½	BB-150	2⅜	1½	½
2	BB-200	2⅞	2	½
2½	BB-250	3⅜	2⅜	⅝
3	BB-300	4	3	⅝
3½	BB-350	4⅝	3½	⅝
4	BB-400	5⅛	3⅞	⅝
5	BB-500	6¼	4⅞	¾
6	BB-600	7⅜	5⅞	¾

Trade Size (inches)	Type BBL Catalog Number	Dimensions in Inches Bushing Outside Dia.	Hole Dia.	Locknut Thread Length	Max Dia.
½	BBL-50	1⅛	⅝	⅜	1⅛
¾	BBL-75	1⅜	¾	⅜	1½
1	BBL-100	1¾	1	½	1¾
1¼	BBL-125	2⅛	1¼	½	2⅜
1½	BBL-150	2⅜	1½	½	2⅝
2	BBL-200	2⅞	2	½	3⅛
2½	BBL-250	3⅜	2⅜	⅝	3⅝
3	BBL-300	4	3	⅝	4⅜
3½	BBL-350	4⅝	3½	⅝	5
4	BBL-400	5⅛	3⅞	⅝	5½
5	BBL-500	6¼	4⅞	¾	6⅞
6	BBL-600	7⅜	5⅞	¾	8



Type BBL

Trade Size (inches)	Type ABB Catalog Number	Dimensions in Inches Outside Dia.	Hole Dia.	Thread Length	Shd. Rt. Type "BB"	Type "A"	Max. Encl. Thick
½	ABB-50	1⅛	⅝	⅜	¼	½	⅛
¾	ABB-75	1⅜	¾	⅜	¼	½	⅛
1	ABB-100	1¾	1	½	⅜	⅝	¼
1¼	ABB-125	2⅛	1¼	½	⅜	¾	¼
1½	ABB-150	2⅜	1½	½	⅜	¾	¼
2	ABB-200	2⅞	2	½	½	¾	¼
2½	ABB-250	3⅜	2⅜	⅝	½	⅞	¼
3	ABB-300	4	3	⅝	½	⅞	¼
3½	ABB-350	4⅝	3½	⅝	½	⅞	¼
4	ABB-400	5⅛	3⅞	⅝	½	⅞	¼
5	ABB-500	6¼	4⅞	¾	½	1⅛	¼
6	ABB-600	7⅜	5⅞	¾	½	1⅛	¼



Type ABB

Phenolic Insulating Coupling

For Threaded Rigid Conduit & IMC

Type ICC

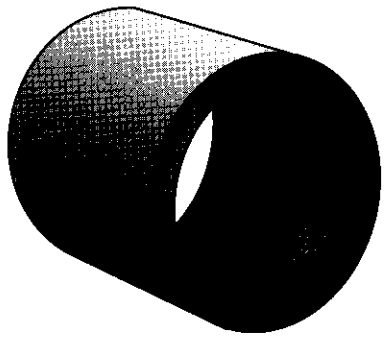
Features:
- Will not melt, soften or burn
- Temperature rating 150°C

An insulating coupling having a substantial center shoulder, which prevents butting of the conduits, to assure a definite break in the metallic path.

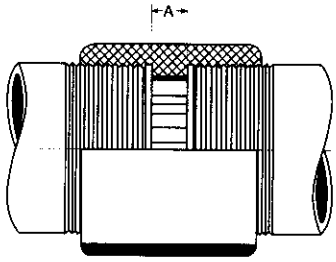
The Type ICC is recommended for use where high strength or resistance to moisture or acid conditions is required.

Material:
Canvas base phenolic with tapered (NPT) thread for pressure joint.

Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia.	Overall Length	"A" Shoulder
½	ICC-50	1⅛	1⅜	⅜
¾	ICC-75	1 5/16	1½	⅜
1	ICC-100	1⅝	1¾	⅜
1¼	ICC-125	2	1⅞	⅜
1½	ICC-150	2¼	2	⅜
2	ICC-200	2¾	2⅛	⅜
2½	ICC-250	3¼	3⅛	⅝
3	ICC-300	3⅞	3¼	⅝
3½	ICC-350	4⅜	3⅜	⅝
4	ICC-400	5	3⅝	5/8
5	ICC-500	6¼	4	¾
6	ICC-600	7¼	4¼	¾



Type ICC



Insulating Bushings

Threaded for Rigid Conduit & IMC

Type IB

Feature:
• Temperature rating 105°C

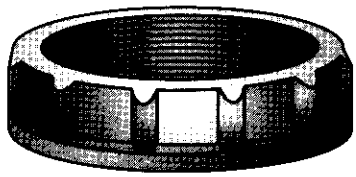
Material:
Polypropylene

Third Party Certification:
UL Listed: E-11853

CSA Certified: AP57250

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E

Trade Size (inches)	Catalog Number*	Dimensions in Inches Max. Dia.	Max. Height
½	IB-50	1 1/16	3/8
¾	IB-75	1 5/16	7/16
1	IB-100	1 3/16	9/16
1¼	IB-125	2	9/16
1½	IB-150	2¼	9/16
2	IB-200	2⅞	5/8
2½	IB-250	3⅜	¾
3	IB-300	4 1/16	¾
3½	IB-350	4⅝	⅞
4	IB-400	5⅛	⅞
5	IB-500	6 5/16	1
6	IB-600	7 1/16	1



Type IB

Type PPC

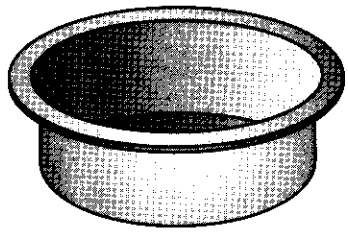
Use:
To plug bushings, rigid conduit and IMC.

Features:
• Suitable for use on the following bushings: Type A, B, IBC, BB, IB, BLG and 2– series.

Material:
Polyethylene

Applicable Third Party Standards:
UL Listing not applicable

Trade Size (inches)	Catalog Number*	Dimensions in Inches Max. Dia.	Max. Height
½	PPC-50	1	9/16
¾	PPC-75	1 3/16	5/8
1	PPC-100	1 7/16	¾
1¼	PPC-125	1⅞	¾
1½	PPC-150	2	¾
2	PPC-200	2½	¾
2½	PPC-250	2⅞	1⅛
3	PPC-300	3⅝	⅞
3½	PPC-350	4	1¼
4	PPC-400	4⅜	⅞



Type PPC

Insulated Bushings

For Rigid Conduit & IMC

Type IBC
Threaded (NPS)

Type IBC-S
Threadless Set-Screw

Features:
- UL temperature rating 150°C
- Insulating liner material is UL V-O Rated (self extinguishing)
- Plastic insulator is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.

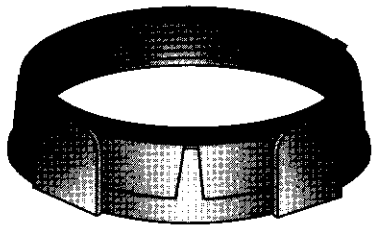
Material/Finish
Malleable Iron Body/Zinc Plated
Thermoplastic Insulator

Third Party Certification:
UL Listed: E-11853

CSA Certified: LR 9795

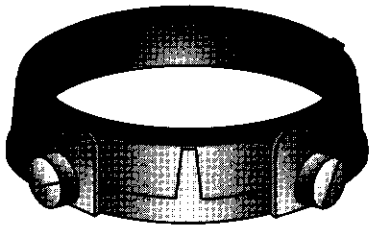
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia.	Max. Height
½	IBC-50	1 3/16	½
¾	IBC-75	1 7/16	9/16
1	IBC-100	1¾	⅝
1¼	IBC-125	2⅛	¾
1½	IBC-150	2 5/16	⅞
2	IBC-200	2 13/16	15/16
2½	IBC-250	3⅜	1
3	IBC-300	4 1/16	1⅛
3½	IBC-350	4½	1 3/16
4	IBC-400	5 3/16	1 5/16
5	IBC-500	6 1/16	1 5/16
6	IBC-600	7¼	1 5/16



Type IBC

Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia.	Max. Height	Turning Radius
½	IBC-50S	1 3/16	½	¾
¾	IBC-75S	1 7/16	9/16	⅞
1	IBC-100S	1¾	⅝	1
1¼	IBC-125S	2⅛	¾	1¼
1½	IBC-150S	2 5/16	⅞	1⅜
2	IBC-200S	2 13/16	15/16	1⅝
2½	IBC-250S	3⅜	1	1¾
3	IBC-300S	4 1/16	1⅛	2 1/16
3½	IBC-350S	4½	1 3/16	2⅜
4	IBC-400S	5 3/16	1 5/16	2⅞



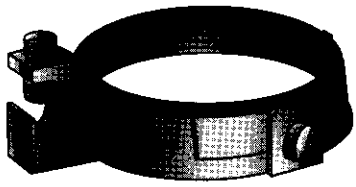
Type IBC-S

Grounding Insulated Bushings with Aluminum Lug

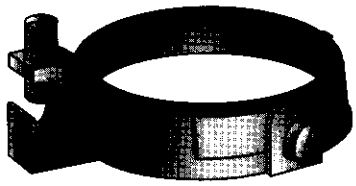
For Rigid Conduit & IMC

Type IBC-L-AC
Threaded with Aluminum Lay-In Lug™

Type IBC-LS-AC
Set-Screw with Aluminum Lay-In Lug™



Type IBC-L-AC



Type IBC-LS-AC

Features:
- UL temperature rating 150°C
- Insulating liner material is UL V-O Rated (self extinguishing)
- The plastic liner is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.
- Set-Screw provided with each fitting locks bushing in any desired position.
- UL Listed for use with copper or aluminum grounding conductors

Material:
Body - Malleable Iron
Lug - Aluminum
Clamping Screw - Steel
Set Screws - Steel

Finish:
Body - Zinc Plated
Lug - Tin Plated
Clamping Screw - Zinc Plated
Set Screws - Zinc Plated

Third Party Certification:
UL Listed: E-24264
CSA Certified: LR 9795

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Threaded Type Catalog Number	Set Screw Type Catalog Number	Grounding Wire Size Min.	Grounding Wire Size Max.	Dimensions in Inches Max. Dia.	Max. Ht.	Thrd. R.
½	IBC-50L-4AC	IBC-50LS-4AC	14	4	1 3/16	7/16	1 3/16
¾	IBC-75L-4AC	IBC-75LS-4AC	14	4	1 7/16	½	1 5/16
1	IBC-100L-4AC	IBC-100LS-4AC	14	4	1¾	9/16	1 7/16
1¼	IBC-125L-4AC	IBC-125LS-4AC	14	4	2⅛	⅝	1⅝
1¼	IBC-125L-20AC	IBC-125LS-20AC	14	2/0	2⅛	⅝	1 13/16
1½	IBC-150L-4AC	IBC-150LS-4AC	14	4	2 5/16	11/16	1¾
1½	IBC-150L-20AC	IBC-150LS-20AC	14	2/0	2 5/16	11/16	1⅞
2	IBC-200L-4AC	IBC-200LS-4AC	14	4	2 13/16	¾	2
2	IBC-200L-20AC	IBC-200LS-20AC	14	2/0	2 13/16	¾	2¼
2½	IBC-250L-4AC	IBC-250LS-4AC	14	4	3⅜	⅞	2¼
2½	IBC-250L-20AC	IBC-250LS-20AC	14	2/0	3⅜	⅞	2½
2½	IBC-250L-25AC	IBC-250LS-25AC	6	250	3⅜	⅞	2 15/16
3	IBC-300L-4AC	IBC-300LS-4AC	14	4	4 1/16	1 5/16	2⅝
3	IBC-300L-20AC	IBC-300LS-20AC	14	2/0	4 1/16	1 5/16	2 13/16
3	IBC-300L-25AC	IBC-300LS-25AC	6	240	4 1/16	1 5/16	3 5/16
3½	IBC-350L-4AC	IBC-350LS-4AC	14	4	4½	1	2⅞
3½	IBC-350L-20AC	IBC-350LS-20AC	14	2/0	4½	1	3 1/16
3½	IBC-350L-25AC	IBC-350LS-25AC	6	250	4½	1	3½
4	IBC-400L-4AC	IBC-400LS-4AC	14	4	5 3/16	1 1/16	3⅛
4	IBC-400L-20AC	IBC-400LS-20AC	14	2/0	5 3/16	1 1/16	3⅜
4	IBC-400L-25AC	IBC-400LS-25AC	6	250	5 3/16	1 1/16	3 13/16
5	IBC-500L-4AC		14	4	6 1/16	1¼	3⅝
5	IBC-500L-20AC		14	2/0	6 1/16	1¼	3⅞
5	IBC-500L-25AC		6	250	6 1/16	1¼	4 5/16
6	IBC-600L-4AC		14	4	7¼	1 5/16	4¼
6	IBC-600L-20AC		14	2/0	7¼	1 5/16	4 7/16
6	IBC-600L-25AC		6	250	7¼	1 5/16	4⅞

Grounding Insulated Bushings with Bronze Lug

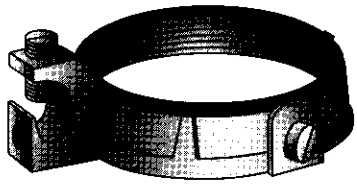
For Rigid Conduit & IMC

Type IBC-L-BC

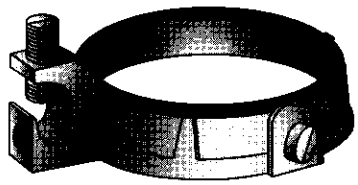
Threaded with Bronze Lay-In Lug™
Threaded (NPS)

Type IBC-LS-BC

Set-Screw with Bronze Lay-In Lug™
Threadless



Type IBC-L-BC



Type IBC-LS-BC

Features:
- UL temperature rating 150°C
- Insulating liner material is UL V-O Rated (self extinguishing)
- The plastic liner is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.
- Set-screw provided with each fitting locks bushing in any desired position.
- UL Listed for use with copper grounding conductors only.

Material:
Body - Malleable Iron
Lug - Bronze
Clamping Screw - Steel
Set Screws - Steel

Finish:
Body - Zinc Plated
Lug - Bright Dip
Clamping Screw - Zinc Plated
Set Screws - Zinc Plated

Third Party Certification:
UL Listed: E-24264
CSA Certified: LR 9795

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Threaded Type Catalog Number	Set Screw Type Catalog Number	Grounding Wire Size Min.	Grounding Wire Size Max.	Dimensions in Inches Max. Dia.	Max. Ht.	Turn. R.
½	IBC-50L-4BC	IBC-50LS-4BC	14	4	1 3/16	7/16	1 3/16
¾	IBC-75L-4BC	IBC-75LS-4BC	14	4	1 7/16	½	1 5/16
1	IBC-100L-4BC	IBC-100LS-4BC	14	4	1¾	9/16	1 7/16
1¼	IBC-125L-4BC	IBC-125LS-4BC	14	4	2⅛	⅝	1⅝
1¼	IBC-125L-20BC	IBC-125LS-20BC	8	2/0	2⅛	⅝	1 13/16
1½	IBC-150L-4BC	IBC-150LS-4BC	14	4	2 5/16	11/16	1¾
1½	IBC-150L-20BC	IBC-150LS-20BC	14	2/0	2 5/16	11/16	1⅛
2	IBC-200L-4BC	IBC-200LS-4BC	14	4	2 13/16	¾	2
2	IBC-200L-20BC	IBC-200LS-20BC	14	2/0	2 13/16	¾	2¼
2½	IBC-250L-4BC	IBC-250LS-4BC	14	4	3⅜	⅞	2¼
2½	IBC-250L-20BC	IBC-250LS-20BC	14	2/0	3⅜	⅞	2½
2½	IBC-250L-25BC	IBC-250LS-25BC	6	250	3⅜	⅞	2 15/16
3	IBC-300L-4BC	IBC-300LS-4BC	14	4	4 1/16	1 5/16	2⅝
3	IBC-300L-20BC	IBC-300LS-20BC	14	2/0	4 1/16	1 5/16	2 13/16
3	IBC-300L-25BC	IBC-300LS-25BC	6	240	4 1/16	1 5/16	3 5/16
3½	IBC-350L-4BC	IBC-350LS-4BC	14	4	4½	1	2⅞
3½	IBC-350L-20BC	IBC-350LS-20BC	14	2/0	4½	1	3 1/16
3½	IBC-350L-25BC	IBC-350LS-25BC	6	250	4½	1	3½
4	IBC-400L-4BC	IBC-400LS-4BC	14	4	5 3/16	1 1/16	3⅛
4	IBC-400L-20BC	IBC-400LS-20BC	14	2/0	5 3/16	1 1/16	3⅜
4	IBC-400L-25BC	IBC-400LS-25BC	6	250	5 3/16	1 1/16	3 13/16
5	IBC-500L-4BC		14	4	6 1/16	1¼	3⅝
5	IBC-500L-20BC		14	2/0	6 1/16	1¼	3⅞
5	IBC-500L-25BC		6	250	6 1/16	1¼	4 5/16
6	IBC-600L-4BC		14	4	7¼	1 5/16	4¼
6	IBC-600L-20BC		14	2/0	7¼	1 5/16	4 7/16
6	IBC-600L-25BC		6	250	7¼	1 5/16	4⅞

Malleable Iron Conduit Bushings

Threaded (NPS) For Rigid Conduit & IMC

Type 2

Material/Finish:
Malleable Iron/Zinc Plated

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia.	Height
3/8	*2-38	13/16	5/16
1/2	2-50	1 1/32	3/8
3/4	2-75	1 1/4	7/16
1	2-100	1 9/16	3/8
1 1/4	2-125	2	5/8
1 1/2	2-150	2 5/32	5/8
2	2-200	2 5/8	5/8
2 3/8	2-250	3 3/16	3/4
3	2-300	3 13/16	15/16
3 3/8	2-350	4 7/16	15/16
4	2-400	4 15/16	1 1/16
5	2-500	6	1 3/16
6	2-600	7 3/8	1 5/16

*U.L. Listing not applicable

Type 2

Type 3

Capped Bushings

Features:
Bushings are supplied with plastic insert cap.

Material/Finish:
Malleable Iron/Zinc Plated

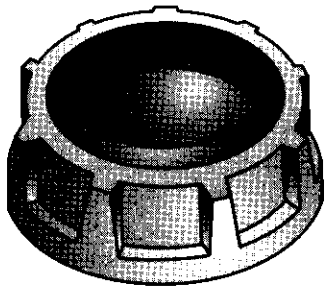
Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches Max. Dia.	Height
1/2	3-50	1 1/32	3/8
3/4	3-75	1 1/4	7/16
1	3-100	1 9/16	1/2
1 1/4	3-125	2	5/8
1 1/2	3-150	2	5/8
2	3-200	2 3/16	5/8
2 1/2	3-250	2 5/8	3/4
3	3-300	3 1/16	15/16
3 1/2	3-350	3 7/16	15/16
4	3-400	4 7/16	1 1/16
5	3-500	6	1 1/4
6	3-600	7 3/8	1 3/8



Type 3

Standard Conduit Locknuts

Threaded For Rigid Conduit & IMC

Type 1

Conduit Locknut

Material:
⅜" through 2" - Heavy Nut Stock Steel
2½" through 6" - Malleable Iron

Finish: Zinc Plated

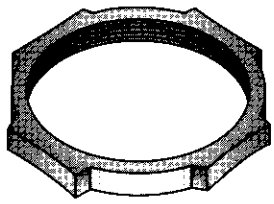
Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853
CSA Certified: AP57250 & LR9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E;
NEMA: FB-1

Trade Size (inches)	Catalog Number	Threads Per Inch	Thickness	Dia. Across Corners	Dia. Across Flats
⅜	*1-38S	18	⅛	⅜	⅛
½	1-50S	14	⅛	1⅛	1 1/16
¾	1-75S	14	3/16	1⅜	1¼
1	1-100S	11½	3/16	1¾	1⅝
1¼	1-125S	11½	3/16	2 3/16	2 1/64
1½	1-150S	11½	3/16	2 7/16	2¼
2	1-200S	11½	3/16	2⅞	2¾
2½	1-250	8	⅜	3⅝	3⅜
3	1-300	8	⅜	4¼	3⅞
3½	1-350	8	7/16	4 13/16	4 7/16
4	1-400	8	7/16	5⅜	4 7/16
5	1-500	8	½	6 1/16	6 5/16
6	1-600	8	9/16	7 15/16	7 5/16

*Hex Style



Type 1

Conduit Locknuts

Aluminum

Material: Aluminum

Third Party Certification:
UL Listed: E-11853
CSA Certified: 9795 & 67549

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Threads Per Inch	Thickness	Dia. Across Flats
½	1-50A	14	⅛	1⅛
¾	1-75A	14	3/16	1 7/16
1	1-100A	11½	3/16	1 13/16
1¼	1-125A	11½	3/16	3 3/32
1½	1-150A	11½	3/16	2 19/32
2	1-200A	11½	3/16	3 3/16
2½	•1-250A	8	⅜	3 3/16
3	•1-300A	8	⅜	4¼
3½	•1-350A	8	7/16	4 13/16
4	•1-400A	8	7/16	5 13/32
5	1-500A	8	½	7
6	1-600A	8	9/16	8⅛

•Not certified UL or CSA

Conduit Locknuts & Fixture Nuts

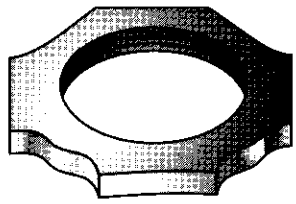
Threaded For Rigid Conduit & IMC

Type 1-38LOS

Oversize Locknut ⅜" covers ½" KO

Material/Finish: Steel/Zinc Plated

Trade Size (inches)	Catalog Number	K.O. Size	Threads Per Inch	Thkns.	Dia. Across Corners	Dia. Across Flats
			Dimensions in Inches			
⅜	1-38LOS	⅜ & ½	18	⅛	1⅛	1 1/16



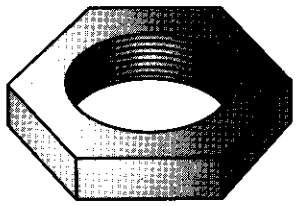
Type 1-38LOS

Type 1-18S

Fixture Nuts

Material/Finish:
Steel/Zinc Plated

Trade Size (inches)	Catalog Number	K.O. Size	Threads Per Inch	Thkns	Dia. Across Corners	Dia. Across Flats
			Dimensions in Inches			
⅛	1-18S	--	27	⅛	5/16	9/16
¼	1-25S	--	18	⅛	¾	1 1/16



Type 1-18S

Standard Conduit Locknuts & Sealing Locknuts

Threaded For Rigid Conduit & IMC

Type 101

Bonding Wedge Locknut

Use:
Use with bushings to bond ½" through 6" rigid conduit and IMC to boxes, cabinets or other enclosures where locknut is exposed.

Material/Finish:
Malleable Iron/Zinc Plated

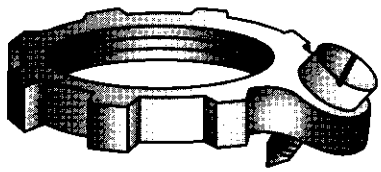
Third Party Certification:
UL Listed: E-24264

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Max. Dia.	Thkns	Radius
½	101	1 3/16	¼	15/16
¾	102	1⅜	¼	15/16
1	103	1 11/16	¼	1 1/16
1¼	104	2 1/16	¼	1¼
1½	105	2⅜	¼	1 7/16
2	106	2⅞	¼	1⅝
2½	107	3⅜	5/16	1 15/16
3	108	4¼	5/16	2½
3½	109	4 13/16	5/16	2½
4	110	5 5/16	5/16	2⅞
5	*112	7	7/16	3½
6	*113	8⅛	7/16	4 1/16

*Not CSA Certified



Type 101

Type SLG

Sealing Locknut

Features:
- Supplied with integrally fused gasket
- Provides raintight or oil tight seal

Material/Finish:
Steel/Zinc-Plated

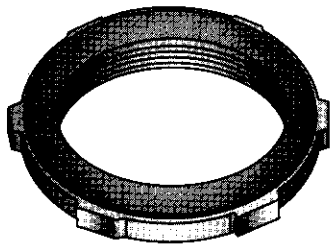
Third Party Certification:
UL Listed: E-11853

CSA Certified: AP57250

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Threads Per Inch	Max. Diameter	Thickness
½	SLG-50S	14	1⅛	¼
¾	SLG-75S	14	1⅜	5/16
1	SLG-100S	11½	1¾	5/16
1¼	SLG-125S	11½	2 1/16	5/16
1½	SLG-150S	11½	2⅜	5/16
2	SLG-200S	11½	2⅞	5/16
2½	•SLG-250S	8	3 7/16	11/32
3	•SLG-300S	8	4⅛	11/32
3½	•SLG-350S	8	4⅝	3/8
4	•SLG-400S	8	5¼	13/32

•Not certified UL or CSA



Type SLG

Reducing Washers

Type RW

Material/Finish:
Steel/Zinc Pre-Galvanized

Third Party Certification:
UL Listed: E11857

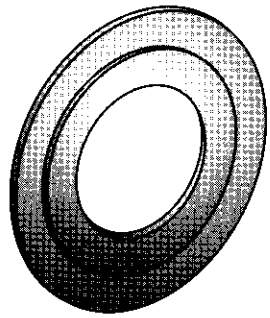
CSA Certified: AP57250

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

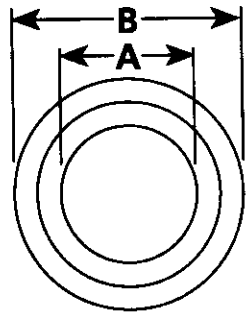
Note:
Two reducing washers are required for each knockout.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
¾ x ½	RW-2S	0.88	1.44
1 x ½	RW-3S	0.88	1.75
1 x ¾	RW-4S	1.11	1.75
1¼ x ½	RW-5S	0.88	2.19
1¼ x ¾	RW-6S	1.11	2.19
1¼ x 1	RW-7S	1.37	2.19
1½ x ½	RW-8S	0.88	2.50
1½ x ¾	RW-9S	1.11	2.50
1½ x 1	RW-10S	1.37	2.50
1½ x 1¼	RW-11S	1.73	2.50
2 x ½	RW-12S	0.88	3.00
2 x ¾	RW-13S	1.11	3.00
2 x 1	RW-14S	1.37	3.00
2 x 1¼	RW-15S	1.73	3.00
2 x 1½	RW-16S	1.98	3.00
2½ x ½	RW-17S	0.88	3.50
2½ x ¾	RW-18S	1.11	3.50
2½ x 1	RW-19S	1.37	3.50
2½ x 1¼	RW-20S	1.73	3.50
2½ x 1½	RW-21S	1.98	3.50
2½ x 2	RW-22S	2.45	3.50
3 x 1	RW-25S	1.37	4.13
3 x 1¼	RW-26S	1.73	4.13
3 x 1½	RW-27S	1.98	4.13
3 x 2	RW-28S	2.45	4.13
3 x 2½	RW-29S	2.97	4.13
3½ x 1½	RW-34S	1.98	4.63
3½ x 2	RW-35S	2.45	4.63
3½ x 2½	RW-36S	2.97	4.63
3½ x 3	RW-37S	3.59	4.63
4 x 2	RW-43S	2.50	5.15
4 x 2½	RW-44S	2.97	5.15
4 x 3	RW-45S	3.59	5.15
4 x 3½	RW-46S	4.13	5.15

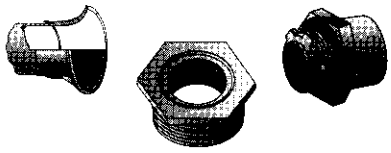
•Not UL Listed or CSA Certified.



Type RW

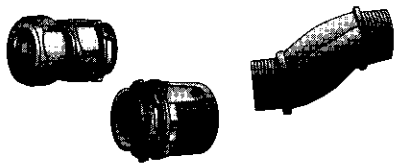


SECTION E INDEX	Product Description	Page Number

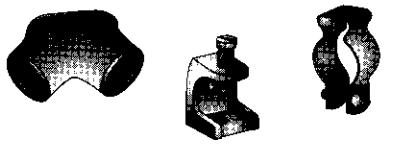


Conduit End Bells EA1
Hex Reducing Bushings EA2
Conduit Hubs EA3-EA4

Split Couplings EA5
Three Piece Couplings EA6
Conduit Nipples EA6

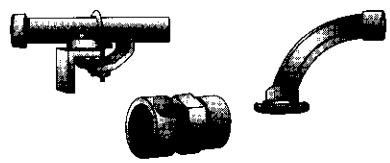


Compression Couplings & Connectors EA7
Set Screw Couplings & Connectors EA8
Offset Nipples EA10



90° Corner Pulling Ells EA11
U-Bolts & H-Hangers EA12
Beam Clamps EA13

Conduit Clamps (UBC-UEC-UPC) EA14
Conduit Straps EA15
Conduit Spacers & Nest Backs EA16



Cable Tray Clamps EA18
Combination Couplings EA19
Electroform Inserts EA20

Conduit End Bells

Threaded for Rigid Conduit & IMC

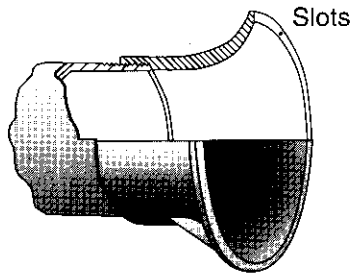
Type TNS

Use:
For threaded rigid conduit or IMC.

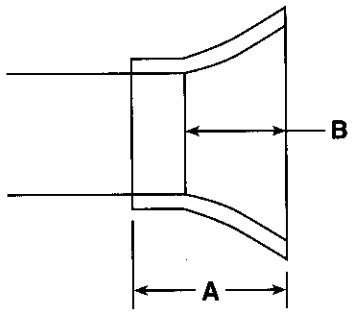
Features:
- Provides a smooth, rounded pulling surface, preventing damage to cable sheath or insulation.
- Slots are provided for attaching to concrete forms.

Material/Finish:
Malleable or Ductile Iron/
Hot Dip Galvanized

Trade Size (Inches)	Catalog Number	Dimensions in Inches Overall (A)	Bell Height (B)	Max. Dia.
1½	TNS-150	2 1/16	1½	4¼
2	TNS-200	2 1/16	1½	4⅝
2½	TNS-250	2⅜	1⅝	5
3	TNS-300	3⅛	2⅜	6⅛
3½	TNS-350	3¼	2½	6⅞
4	TNS-400	3 9/16	2⅞	7⅜
5	TNS-500	3 9/16	2⅞	8¾
6	TNS-600	3⅞	2⅞	9⅝



Type TNS



Reducing Bushings

Threaded for Rigid Conduit & IMC

Type 300R

Provided with hex shoulder

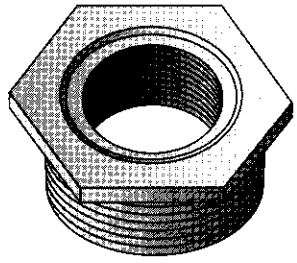
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-11853

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches: Max. Dim. Across Corners	Thread Length	Flange Thickness
½ - ⅜	320R	1⅛	½	5/32
¾ - ½	321R	1 7/16	⅝	3/16
1 - ¾	322R	1⅝	⅝	3/16
1 - ½	323R	1⅝	11/16	5/32
1¼ - ½	324R	1 15/16	¾	3/16
1¼ - ¾	325R	1 15/16	¾	3/16
1¼ - 1	326R	1 15/16	¾	3/16
1½ - 1¼	327R	2⅜	15/16	5/16
1½ - 1	328R	2⅜	15/16	5/16
1½ - ¾	329R	2⅜	15/16	5/16
1½ - ½	330R	2⅜	15/16	5/16
2 - 1½	331R	2¾	15/16	5/16
2 -1¼	332R	2¾	15/16	5/16
2 - 1	333R	2¾	15/16	5/16
2 - ¾	334R	2¾	15/16	5/16
2 - ½	335R	2¾	15/16	5/16
2½ - 2	336R	3¼	15/16	7/16
2½ - 1½	337R	3¼	15/16	7/16
2½ - 1	339R	3¼	15/16	7/16
3 - 1½	340R	3 15/16	1 1/16	½
3 - 2	341R	3 13/16	1⅛	½
3 - 2½	342R	3 5/16	1 1/16	½
3½ - 3	349R	4 1/16	1½	½
3½ - 2½	350R	4 1/16	1½	½
4 - 2½	355R	5⅛	1 7/16	½
4 - 3	356R	5⅜	1¼	½
4 - 3½	357R	5⅜	1¼	½



Type 300R

Raintight Conduit Hubs

Threaded for Rigid Conduit & IMC

Type CHM & Type CHM-T

Use:
Type CHM - General Purpose Fitting.
Type CHM-T - Insulated Throat form with Bonding Screw.

Features:
- Male thread type
- Tapered female thread for rigid conduit and IMC
- Recessed O-ring seal assures watertight and dust tight connections
- Type CHM-T with insulated throat and bonding locknut is suitable for service entrance application

Material/Finish:
Malleable Iron/Zinc Plated

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: 11853
UL Listed as suitable for wet locations.

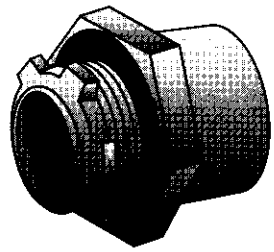
CSA Certified: 9795 Raintight
Suitable for use in hazardous locations as follows:
Class I, Div. 2
Class II, Div. 1, 2
Class III, Div. 1, 2
Per NEC 501-4(b), 502-4(a), 503-3(a)

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Note:
Minimum wall thickness that can be accommodated is 1/32".

Dimensions in Inches

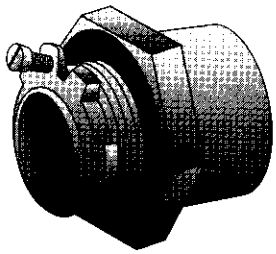
Trade Size (inches)	Catalog Number	A	B	C	D Female Tapered N, P, T	Max. Box Wall Thk.
½	CHM-50	⅞	1½	½	½-14	5/16
¾	CHM-75	1	1¾	½	¾ - 14	⅜
1	CHM-100	1⅛	2	⅝	1 - 11½	7/16
1¼	CHM-125	1¼	2⅜	⅝	1¼ - 11½	15/32
1½	CHM-150	1¼	2¾	⅝	1½ - 11½	15/32
2	CHM-200	1¼	3¼	¾	2 - 11½	½
2½	CHM-250	1⅝	3⅞	1	2½ - 8	9/16
3	CHM-300	1¾	4⅝	1	3 - 8	⅝
3½	CHM-350	1⅞	5⅛	1⅛	3½ - 8	⅝
4	CHM-400	1⅞	5⅝	1⅛	4 - 8	11/16
5	CHM-500	2⅛	6⅝	1¼	5 - 8	11/16
6	CHM-600	2⅛	8⅛	1¼	6 - 8	11/16



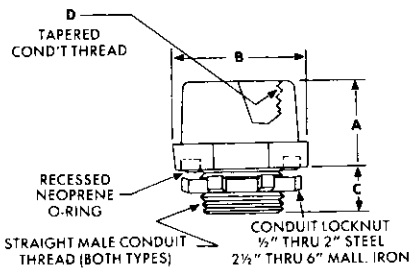
Type CHM

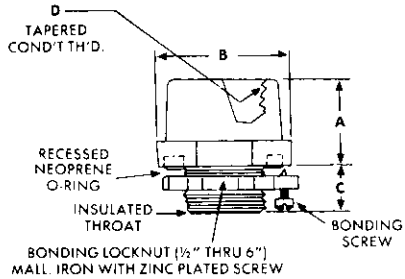
Dimensions in Inches

Trade Size (inches)	Insulated Throat Catalog Number	A	B	C	D Female Tapered N, P, T	Max. Box Wall Thk.
½	CHM-50T	⅞	1½	½	½-14	7/32
¾	CHM-75T	1	1¾	½	¾ - 14	9/32
1	CHM-100T	1⅛	2	⅝	1 - 11½	11/32
1¼	CHM-125T	1¼	2⅜	⅝	1¼ - 11½	13/32
1½	CHM-150T	1¼	2¾	⅝	1½ - 11½	13/32
2	CHM-200T	1¼	3¼	¾	2 - 11½	⅜
2½	CHM-250T	1⅝	3⅞	1	2½ - 8	21/32
3	CHM-300T	1¾	4⅝	1	3 - 8	11/16
3½	CHM-350T	1⅞	5⅛	1⅛	3½ - 8	¾
4	CHM-400T	1⅞	5⅝	1⅛	4 - 8	13/16
5	CHM-500T	2⅛	6⅞	1¼	5 - 8	13/16
6	CHM-600T	2⅛	8⅛	1¼	6 - 8	13/16



Type CHM-T





Space-Maker Conduit Hubs

Threaded for Rigid Conduit & IMC

Type CH & Type CH-T

Use:
Type CH - General purpose, suitable for use with heavy wall cabinets

Type CH-T - Insulated throat form with bonding screw. Provides a more vibration resistant connection with assured ground continuity

Features:
- Female bushed nipple type
- Female thread for rigid conduit and IMC
- Takes less space
- Recessed O-ring seal outside the box provides a watertight threaded hub on enclosures.
- Suitable for use with service entrance conduit.

Material/Finish:
Malleable Iron/Zinc Plated

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853
UL Listed as suitable for use in wet locations.

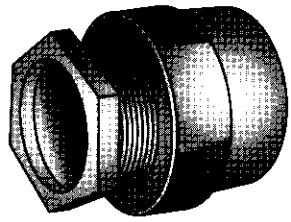
CSA Certified: 9795

Suitable for use in hazardous locations as follows:
Class I, Div. 2
Class II, Div. 1, 2
Class III, Div. 1, 2
Per NEC 501-4(b), 502-4(a)(2), 503-3(a)

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

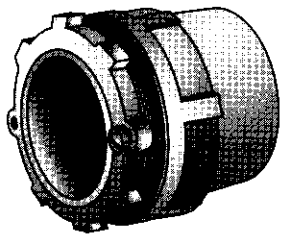
Notes:
Minimum wall thickness that can be accommodated is 1/32".

Trade Size (inches)	Catalog Number	Dimensions in Inches B	C	A Female Tapered NPSM	Max. Box Wall Thick.
½	CH-50	1⅛	1¼	½ - 14	5/32
¾	CH-75	1¼	1⅝	¾ - 14	5/32
1	CH-100	1⅜	1¾	1 - 11½	5/16
1¼	CH-125	1¾	2¼	1¼ - 11½	15/32
1½	CH-150	1⅞	2½	1½ - 11½	½
2	CH-200	1¾	3⅛	2 - 11½	21/32
2½	CH-250	2½	3¾	2½ - 8	21/32
3	CH-300	3⅝	4⅜	3 - 8	23/32
3½	CH-350	2¾	5	3½ - 8	13/16
4	CH-400	2¾	5½	4 - 8	⅞
5	CH-500	2¾	6⅞	5 - 8	⅞
6	CH-600	2¾	7¾	6 - 8	15/16

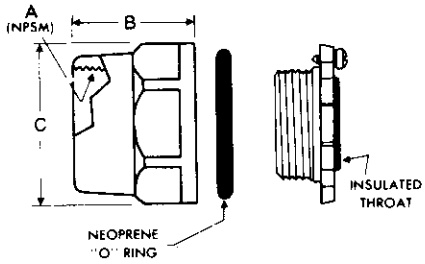


Type CH

Trade Size (inches)	Insulated Throat Catalog Number	Dimensions in Inches B	C	A Female Tapered NPSM	Max. Box Wall Thick.
½	CH-50T	1⅛	1¼	½ - 14	1/16
¾	CH-75T	1¼	1⅝	¾ - 14	3/32
1	CH-100T	1⅜	1¾	1 - 11½	1/16
1¼	CH-125T	1¾	2¼	1¼ - 11½	3/16
1½	CH-150T	1⅞	2½	1½ - 11½	7/32
2	CH-200T	1¾	3⅛	2 - 11½	7/32
2½	CH-250T	2½	3¾	2½ - 8	3/16
3	CH-300T	2⅝	4⅜	3 - 8	3/16
3½	CH-350T	2¾	5	3½ - 8	3/16
4	CH-400T	2¾	5½	4 - 8	⅛
5	CH-500T	2¾	6⅞	5 - 8	¼
6	CH-600T	2¾	7¾	6 - 8	¼



Type CH-T



Split Couplings™

For Threaded Rigid Conduit & IMC

Type SSP

Use:
A speed union for economically joining two threaded rigid metal conduits.

Features:
- A neoprene gasket provides a concrete-tight seal at the joint
- Use where conduit runs are closely spaced
- Use where conduit is tight against wall, ceiling or other obstruction
- Use where conduit cannot be turned

Material/Finish:
SSP-100 thru SSP-600: Malleable or Ductile Iron/Zinc Plated
SSP-50 and SSP-75: Steel/Zinc Plated

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

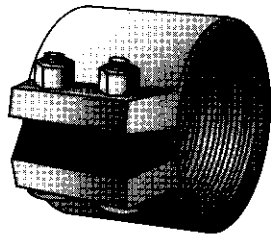
Third Party Certification:
UL Listed: E-11853
UL Listed as Concretetight.

CSA Certified: 9795

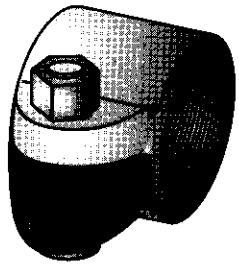
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Installation Instructions:
The inside diameter of the split coupling is greater than the outside diameter of the conduit with which it is to be used. To assemble - slip the coupling over one of the threaded conduit ends, butt the two conduit ends together, slide the coupling back over the joint and tighten the hex nut(s). The threaded interior of the split coupling matches with the conduit threads and makes a close fitting mechanically rigid connection with sufficient thermal capacity (I_2T) to carry ground fault currents equal to wire sizes required by Underwriters Laboratories, Inc. Standard 467 - Table IV, and National Electrical Code Tables 250-94 (a), 250-94 (b) and 250-95.

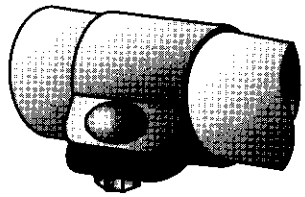
Trade Size (inches)	Catalog Number	Dimensions in Inches Length	Max. Width	Dia.
½	SSP-50	1¼	1¾	1⅛
¾	SSP-75	1¼	2	1 5/16
1	SSP-100	1⅝	2⅝	1¾
1¼	SSP-125	1⅝	2⅝	2⅛
1½	SSP-150	2	3¼	2⅜
2	SSP-200	2 1/16	3½	2¾
2½	SSP-250	3 1/16	4½	3⅜
3	SSP-300	3 3/16	5	4
3½	SSP-350	3¼	5¾	4 5/16
4	SSP-400	3⅜	6¼	5⅛
5	SSP-500	3½	7¼	6⅜
6	SSP-600	4	8⅝	7½



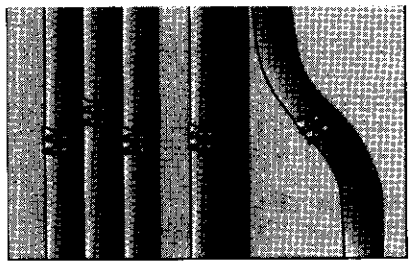
Type SSP-150 — Type SSP-600



Type SSP-100 and SSP-125



Type SSP-50 and SSP-75



Application Photo

3-Piece Couplings & Bushed Conduit Nipples

Threaded for Rigid Conduit & IMC

Type 4

3-piece Coupling

Use:
Couples conduit when neither can be turned.

Features:
- Threaded (NPS) for rigid conduit and IMC
- Couples conduits when conduits can be turned
- Concretetight

Material/Finish:
Malleable Iron/Zinc Plated

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853
CSA Certified: 9795

Trade Size (inches)	Catalog Number	Overall Length	Max. Dia.
½	4-50	1⅜	1 7/16
¾	4-75	1⅝	1¾
1	4-100	1 13/16	1 15/16
1¼	4-125	2 3/16	2⅜
1½	4-150	2 5/16	2⅝
2	4-200	2 7/16	3⅜
2½	4-250	3 3/16	4
3	4-300	3 5/16	4 3/16
3½	4-350	3½	5⅛
4	4-400	3¾	5½
5	4-500	3 11/16	6⅞
6	4-600	4 5/16	8¼

Type 4

Type 7

Conduit Nipples

Use:
Use through knockout to connect box to conduit coupling. Use with a locknut to connect two boxes side by side or back to back. Use with a locknut to connect fixture housings to continuous runs.

Features:
- Available with Insulated Throat.
- With rigid conduit threads (NPS)

Material/Finish:
Malleable Iron/Zinc Plated

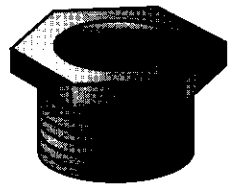
Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec. W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches Max. Dia. Across Corners	Thread Length	Flange Thickness
⅜	7-38	---	⅞	½	⅛
½	7-50	7-50T	1⅛	½	3/16
¾	7-75	7-75T	1¼	⅝	3/16
1	7-100	7-100T	1¾	⅝	¼
1¼	7-125	7-125T	2⅛	⅞	¼
1½	7-150	7-150T	2½	1	5/16
2	7-200	7-200T	3	1⅛	5/16
2½	7-250	7-250T	3⅝	1¼	⅜
3	7-300	7-300T	4½	1¼	⅜
3½	7-350	7-350T	5⅛	1⅜	⅜
4	•7-400	•7-400T	5¼	1¼	7/16
5	•7-500	•7-500T	6⅜	1¼	½
6	•7-600	•7-600T	7⅝	1⅝	½

•Not CSA Certified



Type 7

A UNIT OF GENERAL SIGNAL
O-Z / GEDNEY

Compression Rigid Connectors & Couplings

For Threadless Rigid Conduit

Type 31

Gland Compression Connectors

Features:
• Concretetight male hub threads (NPS ½" through 2"; NPT above 2").

Material/Finish:
Malleable Iron/Zinc Plated

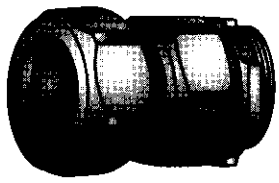
Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853

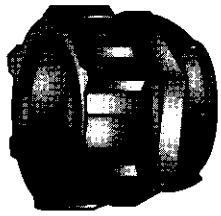
Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches Body Length	Max Dia.	Thread Length
½	31-050	31-050T	¾	1⅜	7/16
¾	31-075	31-075T	⅞	1 9/16	7/16
1	31-100	31-100T	1 3/16	1 15/16	9/16
1¼	31-125	31-125T	1⅜	2 5/16	⅝
1½	31-150	31-150T	1⅜	2⅜	⅝
2	31-200	31-200T	1½	3 5/16	11/16
2½	•31-250	•31-250T	2⅛	4 13/32	1
3	•31-300	•31-300T	2 7/16	4 13/16	1
3½	•31-350	•31-350T	2⅝	5½	1 3/16
4	•31-400	•31-400T	2 9/16	6⅛	1¼
5	•31-500	•31-500T	2 9/16	7⅜	1⅛
6	•31-600	•31-600T	2⅝	8 5/16	1⅜

•Not U.L. Listed



Type 31-050 — Type 31-200



Type 31-250 — Type 31-600

Type 30

Gland Compression Couplings

Features:
• Concretetight

Material/Finish:
Malleable Iron/Zinc Plated

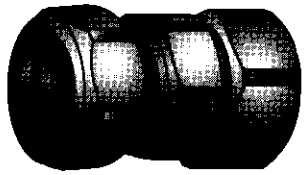
Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853

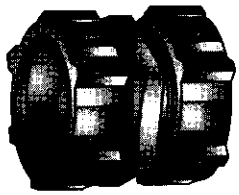
Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number•	Dimensions in inches Length	Max. Dia.
½	30-050	1 1/16	1⅜
¾	30-075	1¾	1 9/16
1	30-100	1 15/16	1 15/16
1¼	30-125	2½	2 5/16
1½	30-150	2 5/16	2⅝
2	30-200	2⅞	3 5/16
2½	•30-250	3 15/16	4 13/32
3	•30-300	4 5/16	4 13/16
3½	•30-350	4½	5½
4	•30-400	4 9/16	6⅛
5	•30-500	3⅞	7⅜
6	•30-600	4¼	8 5/16

•Not U.L. Listed



Type 30-050 — Type 30-200



Type 30-250 — Type 30-600

Set-Screw Rigid Connectors & Couplings

For Threadless Rigid Conduit & IMC

Type 28

Features:
- Concretetight.
- Available with insulated throat.
- Male hub thread (NPS)

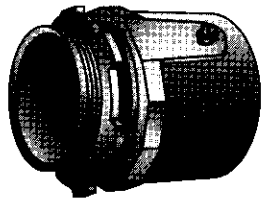
Material/Finish:
Malleable Iron/Zinc Plated

Optional Finish:
½" - 1½" Mechanically Galvanized
2" - 6" Hot Dip Galvanized
Contact your local representative for pricing and availability.

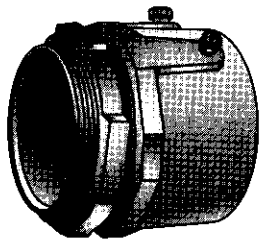
Third Party Certification:
UL Listed: E-11853

Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches Body Length	Max Dia.	Thread Length
½	28-050	28-050T	31/32	1¼	7/16
¾	28-075	28-075T	1 3/16	1 7/16	7/16
1	28-100	28-100T	1 7/16	1¾	17/32
1¼	28-125	28-125T	1 9/16	2⅛	⅝
1½	28-150	28-150T	1¾	2⅜	⅝
2	28-200	28-200T	1⅞	2⅞	⅝
2½	28-250	28-250T	2⅛	3 9/16	1
3	28-300	28-300T	2⅜	4¼	1
3½	28-350	28-350T	2¾	4¾	1⅛
4	28-400	28-400T	3	5¼	1⅛
5	28-500	28-500T	4	6¾	1¼
6	28-600	28-600T	4½	7⅞	1¼



Type 28-050 — Type 28-200



Type 28-250 — Type 28-600

Type 29

Features:
Concretetight

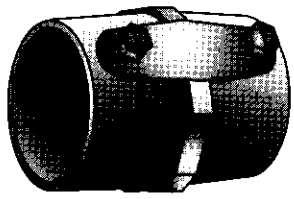
Material/Finish:
Malleable Iron/Zinc Plated

Optional Finish:
½" - 1½" Mechanically Galvanized
2" - 6" Hot Dip Galvanized
Contact your local representative for pricing and availability.

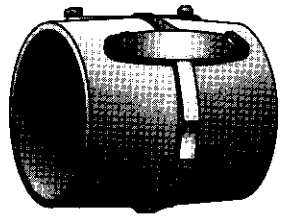
Third Party Certification:
UL Listed: E-11853

Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches Length	Max. Dia.
½	29-050	1¾	1¼
¾	29-075	2⅛	1 7/16
1	29-100	2⅝	1¾
1¼	29-125	2¾	2⅛
1½	29-150	3⅛	2⅜
2	29-200	3⅜	2⅞
2½	29-250	3⅞	3 9/16
3	29-300	4⅜	4 7/32
3½	29-350	5	4¾
4	29-400	5½	5¼
5	29-500	7½	6¾
6	29-600	8½	7⅞



Type 29-050 — Type 29-200



Type 29-250 — Type 29-600

90° Bushed & 90° Corner Pull-in Conduit Elbows

Threaded For Rigid Conduit & IMC

Type 9

Features:
- Available with insulated throat
- Threaded for rigid conduit, Female NPT Male NPS
- Telephone elbow, floor outlet fittings

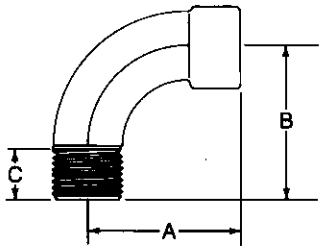
Material/Finish:
Malleable Iron/Zinc Plated

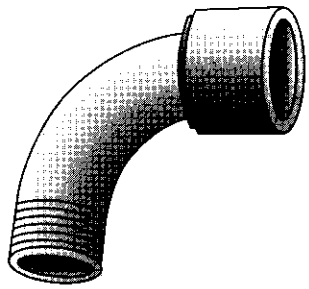
Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853 and 11857
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
½	9-50	9-50T	1⅞	1⅞	11/16
¾	9-75	9-75T	2 5/16	2 3/16	¾
1	9-100	9-100T	2½	2½	13/16
1¼	9-125	9-125T	3	3	⅞





Type 9

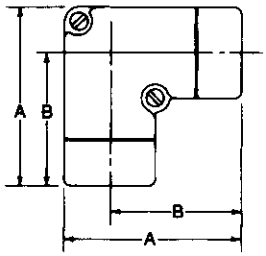
Type CE

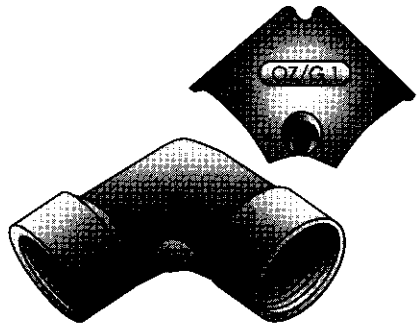
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-11853

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	CE-050	2½	2
¾	CE-075	2¾	2⅛
1	CE-0100	3¼	2⅜
1¼	CE-0125	3¼	2¾
1½	CE-0150	4	2⅞
2	CE-0200	5⅛	3¾





Type CE

Offset Nipples

Threaded For Rigid Conduit

Type ON

Rigid conduit threading.

Feature:
- Available with insulated throat.

Material/Finish:
Malleable Iron/Zinc Plated

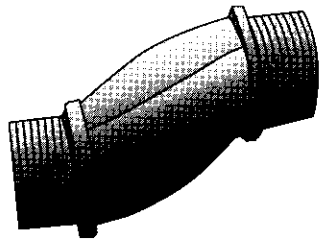
Optional Finish:
Mechanically Galvanized.
Contact your local representative for pricing and availability.

Third Party Certification:
UL Listed: E-11853

CSA Certified: 9797

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches Body Length	Thread Length Each End	Type Thread
½	ON-50	ON-50T	1 11/16	½	NPS
¾	ON-75	ON-75T	1 5/8	½	NPT
1	ON-100	ON-100T	1 5/8	9/16	NPT
1¼	ON-125	ON-125T	1 5/8	11/16	NPT
1½	ON-150	ON-150T	1½	¾	NPT
2	ON-200	ON-200T	1½	13/16	NPT



Type ON

90° Raintight Corner Pulling Ells

Threaded For Rigid Conduit & IMC

Type FF

90° Female/Female

Features:
- Threaded for rigid conduit and IMC (NPT)
- Furnished with Neoprene gasketed steel cover, zinc plated.
- Raintight

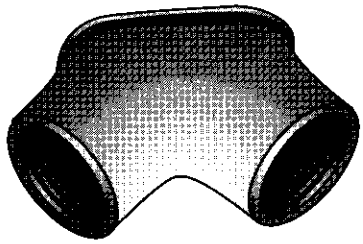
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-11853

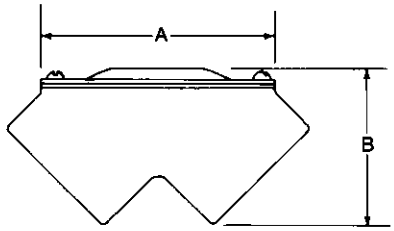
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	FF-050	1⅛	1 7/16
¾	FF-075	2¼	1 9/16
1	FF-100	2¾	1 15/16
1¼	FF-125	3¼	2 5/16
1½	FF-150	3¾	2 9/16
2	FF-200	4⅝	3¼
2½	FF-250	5½	3 11/16
3	FF-300	6½	3 15/16



Type FF



Type MF

90° Male/Female

Use:
For connecting rigid conduit or IMC to box or enclosures.

Features:
- Threaded for rigid conduit and IMC Female NPT, Male NPSM
- Furnished with neoprene gasketed, steel cover, zinc plated.
- Furnished with locknut.
- Raintight
- Available with insulated throat

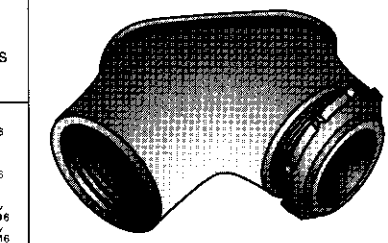
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-11853

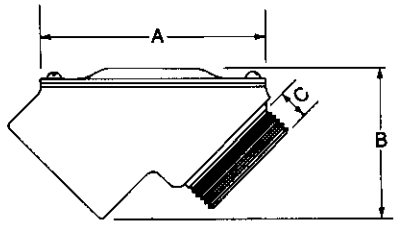
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
½	MF-050	MF-050T	1⅛	1⅜	7/16
¾	MF-075	MF-075T	2¼	1½	½
1	MF-100	MF-100T	2¾	1¾	9/16
1¼	MF-125	MF-125T	3¼	2⅛	11/16
1½	MF-150	MF-150T	3¾	2 1/16	11/16
2	MF-200	MF-200T	4⅝	2 13/16	13/16
2½	MF-250	MF-250T	5½	3¾	15/16
3	MF-300	MF-300T	6½	3 15/16	1⅛



Type MF



Conduit U-Bolts & Hangers

Threaded For Rigid Conduit, IMC & EMT

Type U

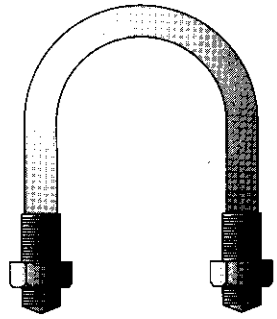
Conduit U-Bolts

Features:
• 2 hex nuts

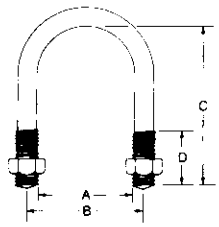
Material/Finish
Steel/Zinc Plated

Optional Finish:
Mechanically Galvanized

Trade Size (inches)	Zinc Plated Catalog Number	Mechanically Galvanized Catalog Number	Dimensions in Inches A	B	C	D	Thread Size
½	U-50S	U-50SG	1 5/16	1 3/16	2½	1½	¼ - 20
¾	U-75S	U-75SG	1⅛	1 7/16	2½	1½	¼ - 20
1	U-100S	U-100SG	1 7/16	1¾	2 13/16	1½	5/16 - 18
1¼	U-125S	U-125SG	1¾	2 1/16	3¼	1½	5/16 - 18
1½	U-150S	U-150SG	2	2 5/16	3½	1½	5/16 - 18
2	U-200S	U-200SG	2½	2⅞	4	1¾	⅜ - 16
2½	U-250S	U-250SG	3	3⅜	4½	1¾	⅜ - 16
3	U-300S	U-300SG	3⅝	4	5¼	1¾	⅜ - 16
3½	U-350S	U-350SG	4⅛	4½	5 11/16	1¾	⅜ - 16
4	U-400S	U-400SG	4⅝	5	6¼	1¾	⅜ - 16
5	U-500S	U-500SG	5⅝	6	7⅜	1¾	⅜ - 16
6	U-600S	U-600SG	6 1/16	7 1/16	8⅜	1¾	⅜ - 16



Type U



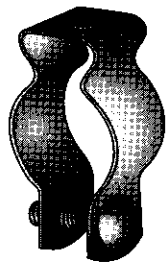
Type H

Conduit Hangers

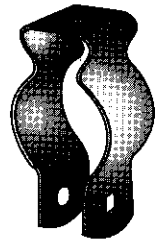
Material/Finish:
Steel/Zinc Plated

Trade Size (inches)	With Bolt/Nut Catalog Number	Dimensions in Inches A	B	C	Clamping Bolt Size
⅜ - ½**	H-0WBS	2	¾	⅞	¼ - 20, 1
¾**	H-1WBS	2¼	⅞	1 5/16	¼ - 20, 1¼
1	H-2WBS	2 9/16	⅞	1 5/16	¼ - 20, 1¼
1¼ EMT	H-2½WBS	2⅞	⅞	1⅜	¼ - 20, 1¼
1¼·	H-3WBS	3⅛	⅞	1½	¼ - 20, 1½
1½	H-4WBS	3 5/16	1	1 5/16	¼ - 20, 1¼
2	H-5WBS	3 11/16	1¼	1 13/16	¼ - 20, 1¼
2½	H-6WBS	4¼	1¼	2 1/16	¼ - 20, 1¼
3	H-7WBS	4⅞	1¼	2⅜	¼ - 20, 1¼
3½	H-8WBS	5⅜	1¼	2¾	5/16- 18, 1½
4	H-9WBS	6⅞	1¾	3	½ - 13, 1½

**Furnished with carriage bolt



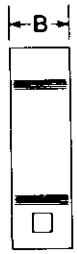
Type H-WBS with clamping bolt

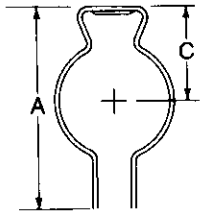


Type H-S without clamping bolt

Trade Size (inches)	Without Bolt Catalog Number	Dimensions in Inches A	B	C	Minimum Support Rod or Bolt Dia.
⅜ - ½	H-0S	2	¾	⅞	¼
¾	H-1S	2¼	⅞	1 5/16	¼
1	H-2S	2 9/16	⅞	1 5/16	¼
1¼ E.M.T.	H-2½S	2⅞	⅞	1⅜	¼
*1¼	H-3S	3⅛	⅞	1½	5/16
1½	H-4S	3 5/16	1	1 5/16	5/16
2	H-5S	3 11/16	1¼	1 13/16	5/16
2½	H-6S	4¼	1¼	2 1/16	5/16
3	H-7S	4⅞	1¼	2⅜	5/16
3½	H-8S	5⅜	1¼	2¾	5/16
4	H-9S	6⅞	1¾	3	7/16

*Also accommodates 1½" EMT





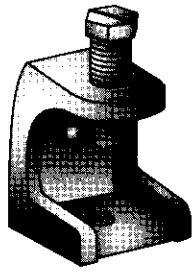
Conduit Beam Clamps

Type IS

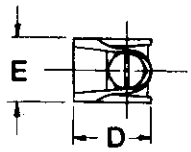
Material/Finish:
Malleable Iron/Zinc Plated
Steel Bolt, case hardened

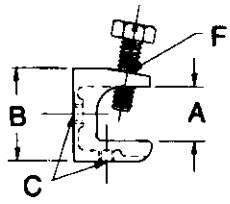
Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing and availability.

Catalog Number	Jaw Opening A	B	C	D	E	F
	Dimensions in Inches					
IS-400	5/8	1 1/8	1/4 - 20	15/16	3/4	1/4 - 20
IS-500E	3/4	1 5/16	1/4 - 20	1 1/8	1 1/16	5/16 - 18
IS-500	7/8	1 3/16	1/4 - 20	1 1/4	1 1/16	5/16 - 18
IS-509	7/8	1 5/16	10-24	1 1/4	1 1/16	5/16 - 18
IS-501	7/8	1 3/4	5/16 - 18	1 5/8	1 1/2	3/8 - 16
IS-502	15/16	2	3/8 - 16	2	2	1/2 - 13
IS-503	15/16	2 1/2	1/2 - 13	2 1/2	2 1/2	5/8 - 11



Type IS





Conduit Clamps

Type UBC
Right Angle
Type UPC
Parallel
Type UEC
Edge type

Use:
Designed to secure conduit or EMT across, parallel or perpendicular to beam, channel and angle supports.

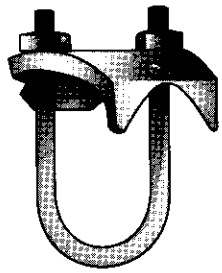
Features:
- Easily installed
- Capable of withstanding heavy loads

Material:
All components are Malleable Iron except nuts and bolts which are steel.

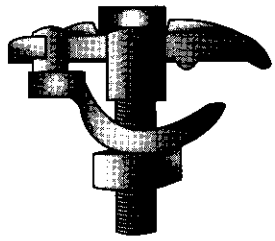
Finish:
Type UBC - Zinc Plated.
Types UBC-G, UPC & UEC - Mechanically Galvanized

A Mechanically Galvanized finish provides a plating thickness equivalent to Hot-Dip process, meeting ASTM A-153 performance criteria. Unlike the Hot-Dip process, mechanically galvanizing provides plating on all machines and/or threaded surfaces.

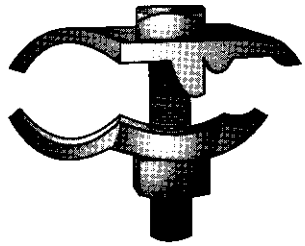
Note:
Edge type accommodates conduit or standard pipe only



Type UBC & Type UBC-G



Type UEC



Type UPC

Trade Size (inches)	Right Angle Type Zinc Plated Catalog Number	Right Angle Type Mechanically Galvanized Catalog Number	Parallel Type Catalog Number	Edge Type Catalog Number
½	UBC-50	UBC-50G	UPC-50G	UEC-50G
¾	UBC-75	UBC-75G	UPC-75G	UEC-75G
1	UBC-100	UBC-100G	UPC-100G	UEC-100G
1¼	UBC-125	UBC-125G	UPC-125G	UEC-125G
1½	UBC-150	UBC-150G	UPC-150G	UEC-150G
2	UBC-200	UBC-200G	UPC-200G	UEC-200G
2½	UBC-250	UBC-250G	UPC-250G	UEC-250G
3	UBC-300	UBC-300G	UPC-300G	UEC-300G
3½	UBC-350	UBC-350G	UPC-350G	
4	UBC-400	UBC-400G	UPC-400G	
5	UBC-500	UBC-500G		
6	UBC-600	UBC-600G		

Conduit Pipe Straps

For Rigid Conduit & IMC

Type 14-S

Use: For rigid conduit and IMC.

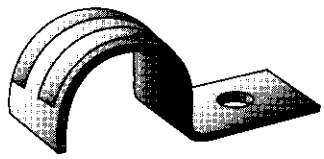
Features: Snap type - double ribbed

Material/Finish: Steel/Zinc Plated

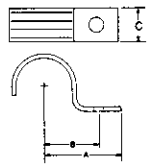
Applicable Third Party Standards:
Fed. Spec: FF-S-760

Note:
2½" through 4" sizes also suitable for EMT.

Trade Size (inches)	Steel Straps Catalog Number	Dimensions in Inches A	B	C	Minimum Recommended Bolt Dia.
½	14-50S	2⅛	1 1/16	¾	¼
¾	14-75S	2 9/16	1 5/16	¾	¼
1	14-100S	2¾	1 5/16	¾	¼
1¼	14-125S	3½	1⅜	1	5/16
1½	14-150S	3⅞	1 13/16	1⅛	⅜
2	14-200S	4⅜	2⅛	1¼	⅜
2½	14-250S	6 3/16	2⅝	1¼	½
3	14-300S	6¾	3	1¼	½
3½	14-350S	7⅝	3 3/16	1½	⅝
4	14-400S	8⅛	3 15/16	1½	⅝



Type 14-S



Type THR

Use: For rigid conduit and IMC.

Features: Snap type - double ribbed

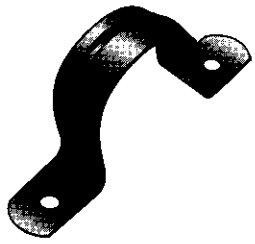
Material/Finish: Steel/Zinc Plated

Third Party Certification:
CSA Certified: 104691
½" through 2" sizes only

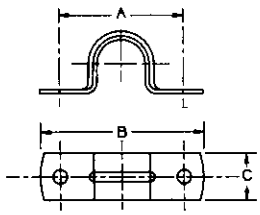
Applicable Third Party Standards:
CSA C22.2 No.18
Fed. Spec: FF-S-760

Note:
2½" through 4" sizes also suitable for EMT.

Trade Size (inches)	Steel Straps Catalog Number	Dimensions in Inches A	B	C	Minimum Recommended Bolt Dia.
½	THR-50S	1¾	2¼	5/8	3/16
¾	THR-75S	1 27/32	2 5/16	¾	3/16
1	THR-100S	2 5/16	2 15/16	23/32	¼
1¼	THR-125S	2 15/16	3⅝	23/32	¼
1½	THR-150S	3 5/32	3 15/16	23/32	¼
2	THR-200S	4¼	5	23/32	¼
2½	THR-250S	4 11/16	5 23/32	1	5/16
3	THR-300S	5 11/16	6¾	1	5/16
3½	THR-350S	6 5/16	7 5/16	1	5/16
4	THR-400S	6 27/32	7 13/16	1	5/16



Type THR



Type 14-G

Use:
For rigid conduit and IMC.

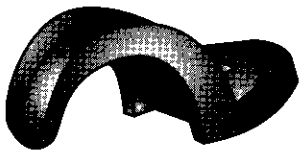
Material/Finish:
Malleable Iron/Mechanically Galvanized

Third Party Certification:
CSA Certified: 9795.

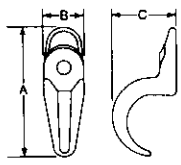
Applicable Third Party Standards:
CSA: C22.2 No.18
Fed. Spec: FF-S-760

Note:
2½" through 4" sizes also suitable for EMT.

Malleable Straps Catalog Number	Conduit Size Inches	Dimensions in Inches A	B	C	Minimum Recommended Bolt Dia.
14-18G	⅛	1 5/16	½	½	#10
14-25G	¼	1 19/32	19/32	5/8	¼
14-38G	⅜	1¾	5/8	¾	¼
14-50G	½	2¼	21/32	15/16	¼
14-75G	¾	2 9/16	¾	1 7/32	¼
14-100G	1	3 1/16	1 3/16	1½	¼
14-125G	1¼	3 11/16	⅞	1⅞	⅜
14-150G	1½	6¾	1	5/16	⅜
14-200G	2	5 1/16	1⅛	2 9/16	½
14-250G	2½	5 15/16	1⅜	3 1/16	½
14-300G	3	7 1/16	1⅜	3 1/16	½
14-350G	3½	8 1/16	1 13/16	4⅜	⅝
14-400G	4	8 11/16	2	5	⅝
14-500G	5	10 15/16	2¾	6½	⅝
14-600G	6	12½	3⅛	7½	1



Type 14-G



Conduit Spacers & Nest Backs

For Rigid Conduit, IMC & EMT

Conduit Spacers

Material:
Malleable Iron or Cast Iron

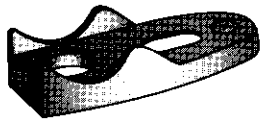
Finish:
½" - 2½" - Mechanically Galvanized
3" - 6" - Hot Dip Galvanized

Third Party Certification:
CSA Certified: 9795

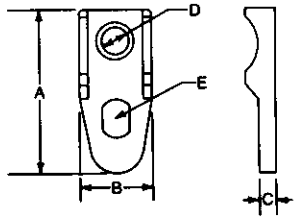
Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D	E
½	141G	1 7/16	1 1/16	¼	⅜	⅜ x ½
¾	142G	2½	1⅛	¼	⅜	9/16 x 7/16
1	143G	3 3/16	1 5/16	5/16	⅜	9/16 x 7/16
1¼	144G	3 11/16	1 7/16	5/16	½	9/16 x 17/32
1½	145G	3 15/16	1½	5/16	9/16	19/32 x 23/32
2	146G	5⅛	2	⅜	9/16	⅝ x 13/16
2½	147G	5¾	2½	⅜	1/32	⅝ x 1⅛
3	*148G	7⅛	2 13/16	⅜	15/32	⅝ x 1⅛
3½	*149G	8	3 1/32	7/16	15/32	1 1/16 x 1 11/32
4	*150G	8¾	3 7/16	⅜	15/32	23/32 x 1 9/32
5	*151G	10 1/16	3 11/16	½	17/32	27/32 x 1 5/16
6	*152G	6	12	3 5/16	9/16	1¼ x 2

*Cast Iron



Conduit Spacer



Nest Backs

Use:
Supplementary spacer for use with malleable iron pipe straps and clamp back.

Features:
• Spacer fits snugly under clamp back and makes possible additional spacing away from the mounting surface. Units fit securely into each other so that conduit can be installed at any desired distance from walls or ceilings.

Materials:
Malleable Iron or Cast Iron

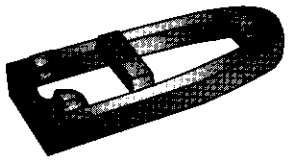
Finish:
½" - 2½" - Mechanically Galvanized
3" - 6" - Hot Dip Galvanized

Third Party Certification:
CSA Certified: 9795

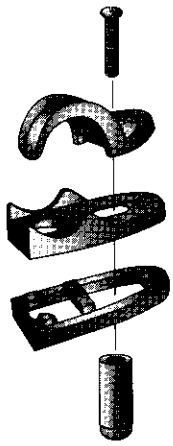
Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

Trade Size (inches)	Catalog Number	Dimensions in Inches Length	Width	Thickness
½	141-NG	2½	1 1/16	¼
¾	142-NG	2½	1⅛	¼
1	143-NG	3 3/16	1 5/16	¼
1¼	144-NG	3¾	1¼	¼
1½	145-NG	3 15/16	1 3/16	¼
2	146-NG	5 5/16	2 3/16	¼
2½	147-NG	5 13/16	2 9/16	⅜
3	*148-NG	7 3/16	2 13/16	⅜
3½	*149-NG	8	3¼	⅜
4	150-NG	8¾	3 7/16	⅜

*Cast Iron



Nest Back Fitting



Typical Installation

Conduit Clamps

For Rigid Conduit, IMC & EMT

Type J

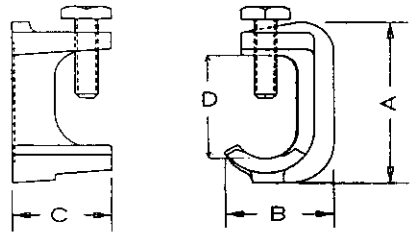
Use:
For securing rigid conduit, IMC, EMT and Flexible Metal

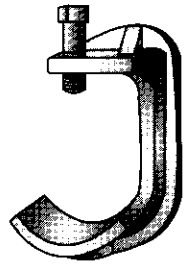
Material:
Malleable or Ductile Iron
Steel Bolt

Finish:
Mechanically Galvanized

Third Party Certification:
CSA Certified: 9795

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18





Type J

Trade Size (inches)	Zinc Plated Catalog Number	Dimensions in Inches A	B	C	D	Bolt Size
½	J-50G	2½	1 3/16	1⅜	1⅝	5/16-18 x 1½
¾	J-75G	2⅞	1⅞	1⅜	2	5/16-18 x 1½
1	J-100G	3½	2 3/16	1¾	2 3/16	5/16-18 x1½
1¼	J-125G	3¾	2½	1¾	2 3/16	⅜-16 x1½
1½	J-150G	4 1/16	2⅞	2	2¾	⅜-16 x 1½
2	J-200G	4 13/16	3¼	2 1/16	3 7/16	½-13 x 1¾
2½-3	J-2530	6 5/16	4 7/16	2⅝	4 9/16	⅝-11 x 2½
3½-3	J-3540	7⅝	5 7/16	3¼	5¾	⅝-11 x 2½

Type CBC

Conduit C Clamp

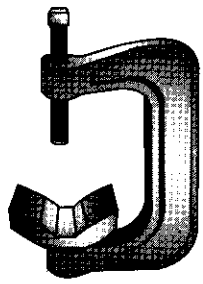
Use:
For securing rigid conduit, IMC and EMT.

Material/Finish:
Malleable Iron/Zinc Plated
Steel square head screw

Optional Finish:
Mechanically Galvanized
Contact your local representative for pricing, availability and minimum order quantities.

Note:
1 CBC-1–¼" is maximum beam thickness when using 1¼" conduit.
2 CBC-2– ⅛" is maximum beam thickness when using 2" conduit.

Trade Size (inches)	Catalog Number	Dimensions in Inches Length	Width
½ - ¾ -1 - 1¼	CBC-1	3⅜	2 3/16
1¼ - 1½ - 2	CBC-2	4⅝	3¼



Type CBC

Tray-Bond™ Cable Tray Clamps

For Rigid Conduit, IMC & EMT

Type CTC

Use:
For connecting and grounding rigid conduit, IMC, or EMT to cable trays.

Secures and bonds metal conduit (rigid steel or aluminum, IMC and EMT) to the side rails of steel or aluminum cable trays without drilling or welding the tray. On the 1½" through 4" sizes, conduits can attach to the tray from any angle allowing large power or control cables to be routed easily.

Features:
- Fast Installation
- Low Product Cost
- Excellent Grounding Continuity
- Variable Conduit Entry 1½" - 4" sizes
- High Mechanical Strength
- Compact Design
- Meets NEC 318-7 (b)(4) Bonding Requirements

Suggested Specifications:
"Raceways connected to cable trays shall be properly bonded using UL Listed and CSA Certified bolted mechanical connectors made from malleable iron, hot dip galvanized components and steel, mechanically galvanized bolts. The cable tray conduit clamps shall be O-Z/Gedney, Type CTC".

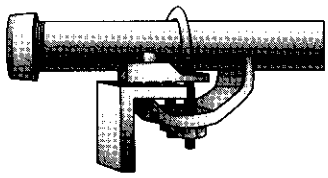
How Tray-Bond™ Clamps Work:
The edge of the cable tray rail provides the surface on which the serrations in the clamps grounding pad "bite" into the tray. The lower portion of the clamp has a sharp triangular edge which grabs the underside of the rail. As the U-bolt is tightened, all the force is concentrated in the clamping jaws thus providing an excellent grounding path and high strength mechanical attachment.

Material/Finish:
Malleable Iron/Mechanically Galvanized
U-Bolts and Nuts: Steel/Mechanically Galvanized

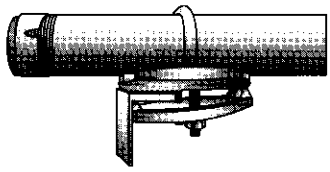
Third Party Certification:
UL Listed: E-24264

CSA Certified: 9795 for rigid and EMT only

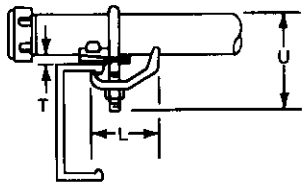
Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 18

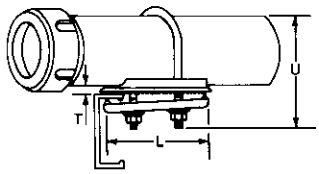


Type CTC-0507 & Type CTC-1012
½" — 1¼" Sizes



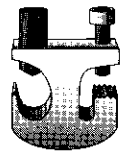
Type CTC-150 & Type CTC-400
1½" — 4" Sizes





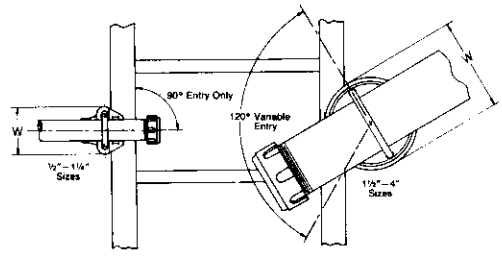
Rigid or IMC, EMT Trade Size (inches)	Catalog Number	U-Bolt & Nut Size	Dimensions in Inches W	L	T	U	Recommended Ins. Torque In. - Lbs.
½ - ¾	CTC-0507	¼ - 20	2¼	2¼	¼	2½	60
1 - 1¼	CTC-1012	5/16 - 18	2⅞	2¼	¼	3¼	115
1½	CTC-150	5/16 - 18	3⅜	3½	⅜	3½	115
2	CTC-200	⅜ - 16	4½	4	⅜	4	190
2½	CTC-250	⅜ - 16	5	4½	⅜	4½	190
3	CTC-300	⅜ - 16	5⅝	5⅛	⅜	5¼	190
3½	CTC-350	⅜ - 16	6⅛	5½	⅜	5¾	190
4	CTC-400	⅜ - 16	6⅝	6	⅜	6¼	190

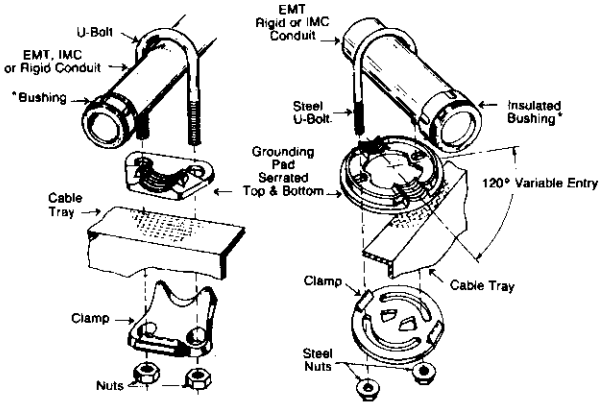
*Insulated Bushing not included in price of fitting



Type CTGC Cable Tray Grounding clamps for use on most types of cable trays.

PATENTED





Combination Couplings

For Rigid Conduit, IMC & EMT

Type ETR

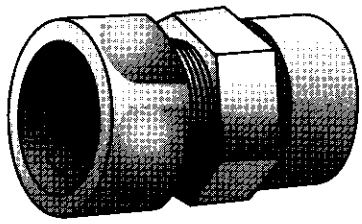
Features:
- Threaded rigid and IMC to compression EMT
- Raintight
- Concretetight
- NPT female hub

Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-11853

Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E

Trade Size (inches)	Catalog Number	Dimensions in Inches Length	Max Dia.
½	ETR-50	1⅜	1⅛
¾	ETR-75	1⅝	1⅜
1	ETR-100	1½	1¾
1¼	ETR-125	1⅞	2⅜
1½	ETR-150	1⅞	2½
2	ETR-200	2⅝	3



Type ETR

Type CB

Features:
- Threaded rigid and IMC to flexible metal
- Rigid hub
- NPT threads

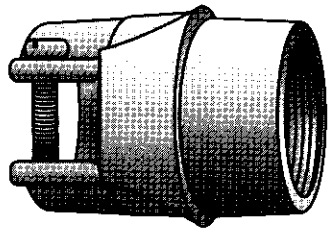
Material/Finish:
Malleable Iron, Zinc Plated

Third Party Certification:
UL Listed: E-11853

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E

Trade Size (inches)	Catalog Number	Dimensions in Inches Length	Max Dia.	Flex. Range
½	CB-50	1½	1¼	25/32 - 15/16
¾	CB-75	1¾	1½	29/32 - 1 5/64
1	CB-100	1⅞	1⅞	1 9/32 - 1 7/16



Type CB

Type ESR

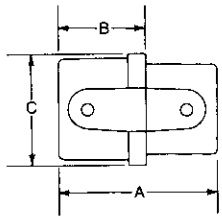
Features:
- Concretetight
- Set screw
- Threadless rigid and IMC to EMT

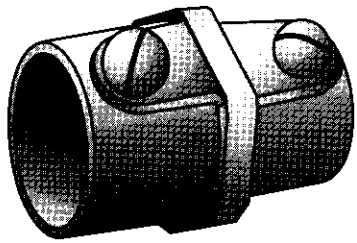
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-11853

Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-408E

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	ESR-50	1 11/16	15/16	1¼
¾	ESR-75	2 1/16	1⅛	1½
1	ESR-100	2½	1⅜	1 13/16





Type ESR

Concrete Slab Electroform Inserts

For Threaded Rigid Conduit & IMC

Type EF & Type EFL

Use:
For conduit installed in poured concrete slabs.

Nail, screw or tack-weld insert to concrete deck form.

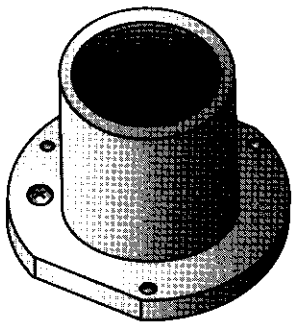
Features:
• Inserts available in straight or 90°

Material/Finish:
Malleable Iron/Zinc Plated

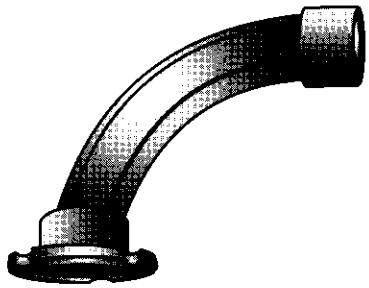
Third Party Certification:
UL Listed: E-11853

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-408E



Type EF-50 — Type EF-100
For concrete slab 4" thick and up.



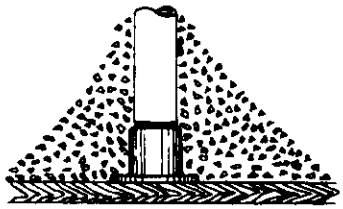
Type EFL-50 — Type EFL-100
For slabs 6" thick and up require bend conduit sweep.

STRAIGHT CONDUIT INSERTS

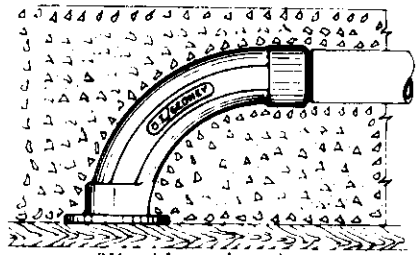
Trade Size (inches)	Catalog Number	Dimensions in Inches Base Dia.	Base Across Flats	Height
½	EF-50	1 15/16	1¾	1 5/16
¾	EF-75	2 5/16	2	1⅜
1	EF-100	2½	3 5/16	1⅝

90° CONDUIT INSERTS

Trade Size (inches)	Catalog Number	Dimensions in Inches Base Dia.	Turning Radius	Base to Conduit Center	Height
½	EFL-50	1 15/16	3¾	3⅛	3⅜
¾	EFL-75	2 5/16	3 13/16	3 1/16	3 11/16
1	EFL-100	2½	3 13/16	2 15/16	3 11/16



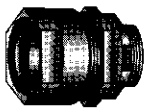
(Wood form shown)



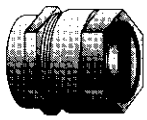
(Wood form shown)

Shown in poured concrete slabs before wood or steel forms are removed.

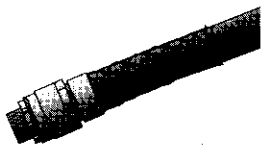
SECTION G INDEX	Product Description	Page Number



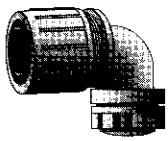
Liquidtight Fittings GA1-GA2



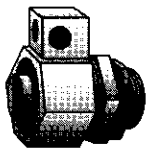
Combination Couplings GA3



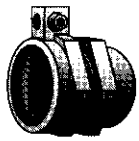
Wire Mesh Grips GA4



Non-Metallic Liquidtight Fittings GA5

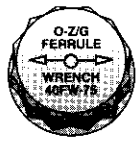


Grounding Liquidtight Connectors GB1-GB3



Grounding Liquidtight Couplings GB4

Galvanized Liquidtight Connectors GC1-GC3



Ferrule Wrench GC4

Liquidtight Fittings

Type 4Q

Straight

Features:
- Tapered threaded male hub NPT
- Compact, slim diameter with small turning radius
- Furnished with locknut and sealing ring.
- Liquidtight/Raintight/Oiltight
- Suitable for grounding (through 1¼")
- Suitable for wet locations
- Long ferrule prevents pullout and tight bend conduit "pop-out"
- Inspection windows in ferrule to ensure full engagement
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

Material/Finish:
Malleable Iron/Zinc Plated
Steel Ferrule/Zinc Plated

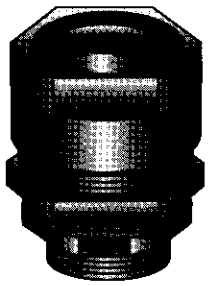
Optional Finish:
Available Hot Dip/Mechanically Galvanized, See 4Q-TG Series in Catalog Section GC.

Third Party Certification:
UL Listed: 11853

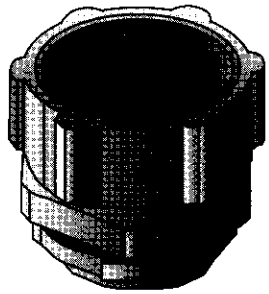
CSA Certified: 9795

UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following Hazardous Locations under NEC 501-4(b), 502-4(a)(2), 503-3(a) (2): Class I, Div. 2; Class II, Div. 1 and 2; and Class III, Div. 1 and 2 and are suitable for grounding in sizes ⅜" through 1¼" under NEC 351-1

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Federal Spec: W-F-406E



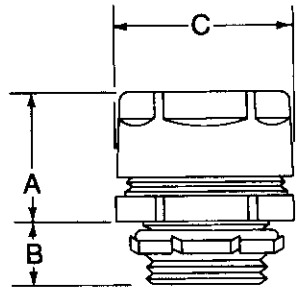
Type 4Q-38 — Type 4Q-200



Type 4Q-250 — Type 4Q-600

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
⅜ (½ KO)	4Q-38	4Q-38T	1	½	1⅛
½	4Q-50	4Q-50T	1	½	1¼
¾	4Q-75	4Q-75T	1⅛	½	1½
1	4Q-100	4Q-100T	1¼	⅝	1¾
1¼	4Q-125	4Q-125T	1⅜	⅝	2½
1½	4Q-150	4Q-150T	1⅜	⅝	2¾
2	4Q-200	4Q-200T	1½	⅝	3¼
2½	4Q-250	4Q-250T	2	1	4⅛
3	4Q-300	4Q-300T	2	1⅛	4⅞
3½	4Q-350	4Q-350T	2¼	1¼	4⅞
4	4Q-400	4Q-400T	2¼	1¼	6⅛
5	4Q-500•	4Q-500T•	2⅜	1⅛	7⅜
6	4Q-600•*	4Q-600T•*	2½	1⅜	8⅝

•UL Listing not applicable to these sizes
*CSA Certification not applicable to these sizes.



Liquidtight Fittings

Type 4Q

45° & 90°

Features:
- Tapered threaded male hub NPT
- Compact, slim diameter with small turning radius.
- Furnished with locknut and sealing ring.
- Liquidtight/Raintight/Oiltight.
- Suitable for grounding (through 1¼").
- Suitable for wet locations.
- Long ferrule prevents pullout and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

Material/Finish:
Malleable Iron/Zinc Plated
Steel Ferrule/Zinc Plated

Optional Finish:
Available Hot-Dip/Mechanically Galvanized, See "4Q-TG" Series in Catalog Section GC.

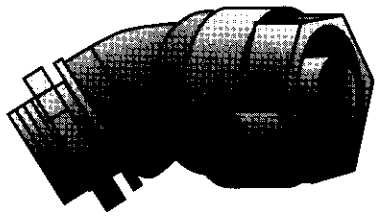
Third Party Certification:
UL Listed: 11853

CSA Certified: 9795

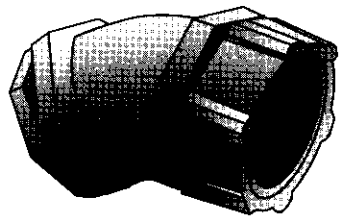
UL Listed liquidtight flexible metal conduit fittings from ⅜" through 1¼" trade sizes are suitable for grounding under NEC 351-1.

UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following Hazardous Locations under NEC 501-4(b), 502-4(a)(2), 503-3(a) (2): Class I, Div. 2; Class II, Div. 1, 2.

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Federal Spec: W-F-406E



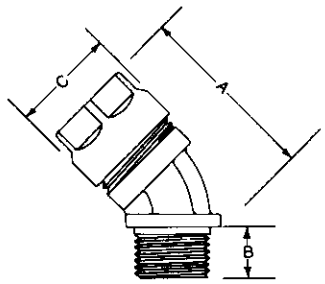
Type 4Q-438 — Type 4Q-4200

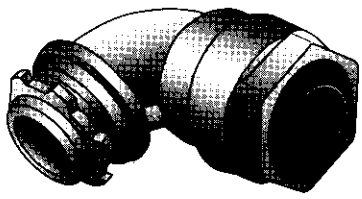


Type 4Q-4250 — Type 4Q-4500

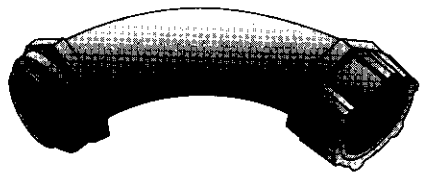
Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C Dia.
⅜ (½ KO)	4Q-438	4Q-438T	1⅞	9/16	1⅛
½	4Q-450	4Q-450T	1⅞	9/16	1¼
¾	4Q-475	4Q-475T	2¼	9/16	1½
1	4Q-4100	4Q-4100T	2⅜	½	1¾
1¼	4Q-4125	4Q-4125T	3¼	⅝	2¼
1½	4Q-4150	4Q-4150T	3⅜	⅝	2⅝
2	4Q-4200	4Q-4200T	4	⅝	3
2½	4Q-4250	4Q-4250T	5¾	1	4⅛
3	4Q-4300	4Q-4300T	6½	1⅛	4⅞
4	4Q-4400	4Q-4400T	7½	1¼	6⅛
5	4Q-4500•	4Q-4500T•	8	1¼	7⅜

•UL Listing not applicable to these sizes





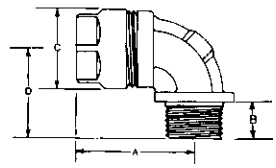
Type 4Q-938 — Type 4Q-9200



Type 4Q-9250 — Type 4Q-9500

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C	D
⅜ (½ KO)	4Q-938	4Q-938T	1 9/16	9/16	1⅛	1⅜
½	4Q-950	4Q-950T	1 9/16	9/16	1¼	1⅜
¾	4Q-975	4Q-975T	1 13/16	½	1½	1½
1	4Q-9100	4Q-9100T	2	½	1¾	1⅝
1¼	4Q-9125	4Q-9125T	2¾	⅝	2¼	2⅛
1½	4Q-9150	4Q-9150T	2⅞	⅝	2⅝	2¼
2	4Q-9200	4Q-9200T	3½	¾	3	2⅞
2½	4Q-9250	4Q-9250T	7½	1	4⅛	7⅛
3	4Q-9300	4Q-9300T	8⅞	1⅛	4⅞	8½
4	4Q-9400	4Q-9400T	11⅜	1⅛	6⅛	11
5	4Q-9500•	4Q-9500T•	14	1¼	7⅜	14

•UL Listing not applicable to these sizes



Liquidtight Fittings

Type 4Q-FM

Combination Couplings

Use:
Liquidtight flexible metal conduit to threaded rigid conduit and IMC.

Features:
- Female hub, NPT
- Liquidtight/Raintight/Oiltight
- Suitable for grounding (through 1¼")
- Suitable for wet locations
- Long ferrule prevents pullout and tight bend conduit "pop-out"
- Inspection windows in ferrule to ensure full engagement
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

Material/Finish:
Malleable Iron/Zinc Plated
Steel Ferrule/Zinc Plated

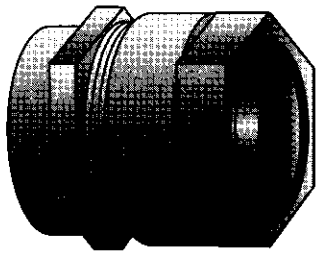
Third Party Certification:
UL Listed: 11853

CSA Certified: 9795

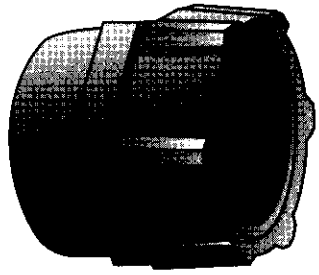
UL Listed liquidtight flexible metal conduit fittings from ⅜" through 1¼" trade sizes are suitable for grounding under NEC 351-1.

UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following Hazardous Locations under NEC 501-4(b), 502-4(a)(2), 503-3(a) (2): Class I, Div. 2; Class II, Div. 1, 2.

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Federal Spec: W-F-406E



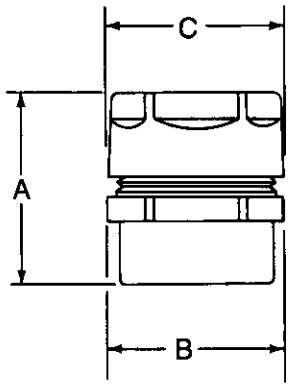
Type 4Q-38FM — Type 4Q-200FM



Type 4Q-250FM — Type 4Q-500FM

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	4Q-38FM	1 1/16	1 3/16	1⅛
½	4Q-50FM	1 5/16	1 5/16	1¼
¾	4Q-75FM	1⅝	1 9/16	1½
1	4Q-100FM	1 13/16	1 13/16	1¾
1¼	4Q-125FM	2	2⅜	2½
1½	4Q-150FM	2⅛	2⅝	2¾
2	4Q-200FM	2¼	3¼	3¼
2½	4Q-250FM	3¼	3⅞	4⅛
3	4Q-300FM	3⅜	4⅝	4⅞
3½	4Q-350FM	3⅞	5⅜	4⅞
4	4Q-400FM	3¾	5¾	6⅛
5	4Q-500FM•	3⅞	6⅜	7⅜

*Hub size is ½"
•UL Listing not applicable on 5" size



Liquidtight Connectors & Sealing Ring Assemblies

With Wire Mesh Grips & Insulated Throats

Type 4Q-WM

Use:
To connect liquidtight flexible metal conduit to enclosures and prevent conduit pull-out when subject to motion or strain.

Features:
- Tapered threaded male hub NPT
- Furnished with locknut and sealing ring
- Provided with insulated throat
- Wire mesh prevents pull-out and tight end conduit "pop-out"
- Liquidtight/Raintight/Oiltight
- Suitable for grounding (through 1¼")
- Suitable for wet locations
- Inspection windows in ferrule to ensure full conduit engagement
- Stainless steel single weave design

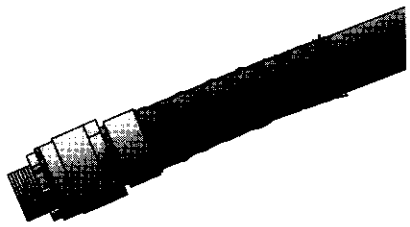
Material:
Malleable Iron/Zinc Plated
Steel Ferrule/Zinc Plated
Stainless Steel Wire Mesh

Optional Features:
Consult factory for 45°, 90°, FM and L (Ground-Tite style) applications

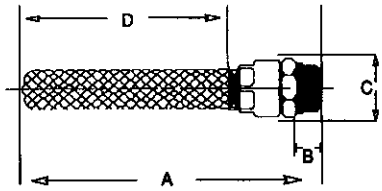
Third Party Certification:
UL Listed: E-11853
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Federal Spec: W-F-406E

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
⅜	4Q-38WM	4¾	½	1 5/16	2
½	4Q-50WM	5 5/16	5/16	1 5/16	2½
¾	4Q-75WM	6 5/16	5/16	1½	3
1	4Q-100WM	7½	⅝	1⅞	3¼
1¼	4Q-125WM	8 5/16	1 1/16	2½	5½
1½	4Q-150WM	9 13/16	1 1/16	2½	7
2	4Q-200WM	10 11/16	¾	3 5/16	7
2½	4Q-250WM	11½	1	4⅛	8¼
3	4Q-300WM	14⅛	1⅛	4⅞	10½
4	4Q-400WM	15⅞	1¼	6⅛	12



Type 4Q-WM



Type 4Q-G

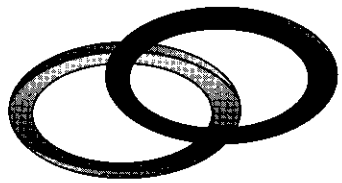
Liquidtight Sealing Ring Assemblies

Use:
Provides a positive seal between shoulder of fitting and enclosure

Material/Finish:
Steel Retaining Ring/Zinc Plated
Neoprene Gasket

Trade Size (inches)	Catalog Number
½	4Q-G50*
¾	4Q-G75
1	4Q-G100
1¼	4Q-G125
1½	4Q-G150
2	4Q-G200
2½	4Q-G250
3	4Q-G300
3½	4Q-G350
4	4Q-G400
5	4Q-G500

*May be used with ⅜" trade size fittings with ½" hub size.



Type 4Q-G

Non-Metallic Liquidtight Connectors

For use with Type B Non-metallic Liquidtight Conduit

Type 4Q-P

Straight & 90°

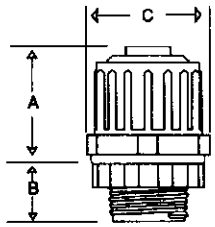
Features:
- Furnished with locknut and sealing ring.
- Liquidtight/Raintight/Oiltight
- Suitable for Wet Locations.
- Installs without disassembly
- Corrosion resistant
- Compact, slim diameter with small turning radius.
- 90° has smooth interior to prevent abrasion of conductors.

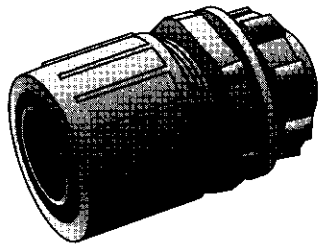
Material:
Body/Nut - Black Nylon
Locknut (⅜"-1") - Black Nylon
Locknut (1¼"-2") - Steel/Zinc Plated
Sealing O-Ring - Buna - N

Third Party Certification:
UL Listed: E-11853
CSA Certified: 11584

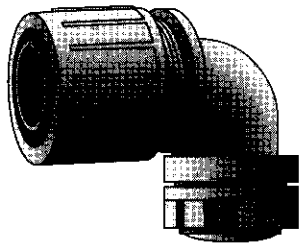
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 227.2

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜(½ KO)	4Q-38P	1¼	9/16	1 5/16
½	4Q-50P	1 7/16	9/16	1 11/16
¾	4Q-75P	1⅝	9/16	1⅝
1	4Q-100P	2	¾	1⅞
1¼	4Q-125P	2⅜	¾	2¼
1½	4Q-150P	2⅝	¾	2½
2	4Q-200P	3 1/16	¾	3



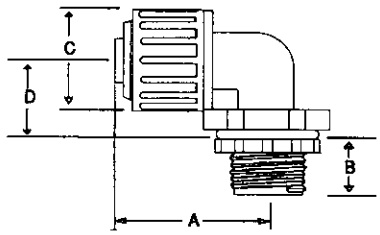


Type 4Q-38P



Type 4Q-938P

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
⅜(½ KO)	4Q-938P	1⅝	9/16	1⅛	⅞
½	4Q-950P	1¾	9/16	1¼	⅞
¾	4Q-975P	2⅛	9/16	1½	1⅞
1	4Q-9100P	2½	¾	1 13/16	2¼



Ground-Tite® Grounding Liquidtight Connectors

Type 4Q-L

Straight Connectors

Use:
Connects conduit and terminates bonding conductor run externally across liquidtight conduit.

Features:
- Positive grounding type
- Tapered threaded male hub NPT
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability
- Compact, slim diameter with small turning radius
- Furnished with locknut and sealing ring
- Liquidtight/Raintight/Oiltight
- Suitable for grounding
- Long ferrule prevents pull-out and tight bend conduit "pop-out"
- Inspection windows in ferrule to ensure full engagement
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

Material/Finish:
Malleable Iron Body & Gland Nut
Steel Ferrule/Zinc Plated

Optional Finish:
Available in Hot-Dip/Mechanically Galvanized. Minimum quantities required. Contact your local representative.

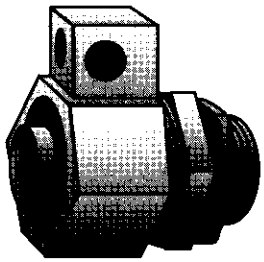
Third Party Certification:
UL Listed: E-24264

CSA Certified: 9795

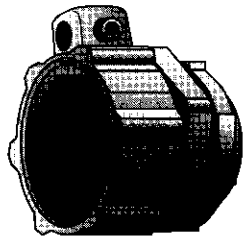
UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following Hazardous Locations under NEC 501-4(b), 502-4(a)(2), 503-3(a) (2): Class I, Div. 2; Class II, Div. 1, 2; and Class III, Div. 1, 2.

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
NEMA: FB-1
Federal Spec: W-F-406E

Suggested Specification:
Where liquidtight flexible metal conduit is used, bonding jumpers shall be provided around such conduit and terminated by malleable iron connectors provided with lugs cast integrally with the gland nuts. These connectors shall be O-Z/Gedney Type 4QL.



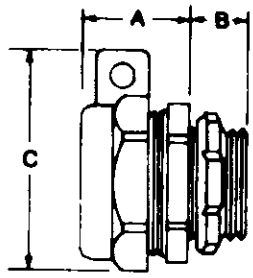
Type 4Q-38L — Type 4Q-200L



Type 4Q-250L — Type 4Q-600L

Trade Size (inches)	Catalog Number*	Insulated Throat Catalog Number*	Dimensions in Inches A	B	C	Turning Radius Gland Nut	Wire Size Min.	Wire Size Max.
⅜ (½ KO)	4Q-38L	4Q-38LT	⅞	½	1 11/16	1 1/16	14	4
½	4Q-50L	4Q-50LT	⅞	½	1⅛	1 3/16	14	4
¾	4Q-75L	4Q-75LT	1	½	2⅛	1 5/16	14	4
1	4Q-100L	4Q-100LT	1⅛	⅝	2⅜	1 7/16	14	4
1¼	4Q-125L	4Q-125LT	1 5/16	⅝	2⅞	1¾	6	1/0
1½	4Q-150L	4Q-150LT	1⅜	⅝	3¼	1⅞	6	1/0
2	4Q-200L	4Q-200LT	1½	⅝	3¾	2 3/16	6	1/0
2½	4Q-250L	4Q-250LT	1 15/16	1	4⅝	2¾	1	4/0
3	4Q-300L	4Q-300LT	1 15/16	1⅛	5 5/16	3 1/16	1	4/0
3½	4Q-350L	4Q-350LT	2⅝	1⅛	5 13/16	3⅜	1	4/0
4	4Q-400L	4Q-400LT	2¼	1¼	6½	3⅝	1	4/0
5	4Q-500L•	4Q-500LT•	2 3/16	1⅛	7½	4 3/16	1	4/0
6	4Q-600L*•	4Q-600LT*•	2½	1⅜	8½	4¾	1	4/0

•UL Listing not applicable to these sizes.
*CSA Certification not applicable to this size.



Ground-Tite® Grounding Liquidtight Connectors

Type 4Q-L

45°

Use:
Connects conduit and terminates bonding conductor run externally across liquidtight conduit.

Features:
- Positive grounding type
- Tapered threaded male hub NPT
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability
- Compact, slim diameter with small turning radius
- Furnished with locknut and sealing ring
- Liquidtight/Raintight/Oiltight
- Suitable for grounding
- Long ferrule prevents pull-out and tight bend conduit "pop-out"
- Inspection windows in ferrule to ensure full engagement
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

Material/Finish:
Malleable Iron Body & Gland Nut
Steel Ferrule/Zinc Plated

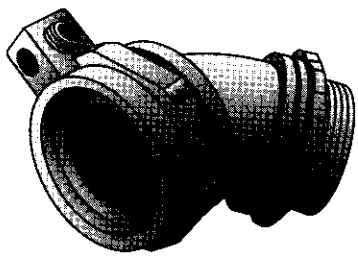
Optional Finish:
Available in Hot-Dip/Mechanically Galvanized. Minimum quantities required. Contact your local representative.

Third Party Certification:
UL Listed: E-24264

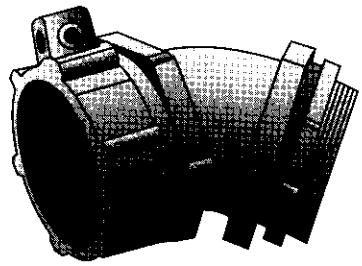
CSA Certified: 9795

UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following Hazardous Locations under NEC 501-4(b), 502-4(a)(2), 503-3(a) (2): Class I, Div. 2; Class II, Div. 1, 2; and Class III, Div. 1, 2.

Liquidtight flexible metal conduit and fittings are intended for use in accordance with National Electrical Code requirements and are not designed for submersible or direct-burial applications.



Type 4Q-438L — Type 4Q-4200L

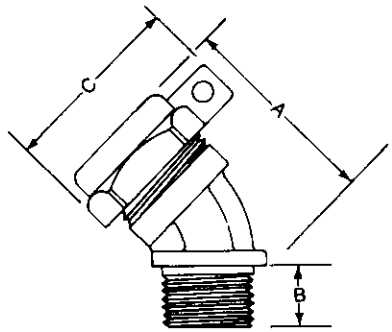


Type 4Q-4250L — Type 4Q-4500L

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C	Turning Radius Gland Nut	Wire Size Min.	Max.
⅜ (½ KO)	4Q-438L	4Q-438LT	1¾	½	1 1/16	1 1/16	14	4
½	4Q-450L	4Q-450LT	1¾	9/16	1⅛	1 3/16	14	4
¾	4Q-475L	4Q-475LT	2 1/16	9/16	2⅛	1 5/16	14	4
1	4Q-4100L	4Q-4100LT	3 5/16	½	2⅜	1 7/16	14	4
1¼	4Q-4125L	4Q-4125LT	3	⅝	2⅞	1¾	6	1/0
1½	4Q-4150L	4Q-4150LT	3⅛	⅝	3¼	1⅞	6	1/0
2	4Q-4200L	4Q-4200LT	3¾	9/16	3¾	2 3/16	6	1/0
2½	4Q-4250L	4Q-4250LT	5¾	1	4⅝	2¾	1	4/0
3	4Q-4300L	4Q-4300LT	6½	1⅛	5 5/16	3 1/16	1	4/0
4	4Q-4400L	4Q-4400LT	7½	1 3/16	6½	3⅝	1	4/0
5	4Q-4500L•	4Q-4500LT•	8	1¼	7½	4 3/16	1	4/0

•UL Listing not applicable to these sizes.

Note:
When the 3/8" through 2" trade size 90° connectors are installed in enclosures with flush threaded openings (internal hubs), insufficient clearance may prevent rotation of the gland nut.



Suggested Specification:
Where liquidtight flexible metal conduit is used, bonding jumpers shall be provided around such conduit and terminated by malleable iron connectors provided with lugs cast integrally with the gland nuts. These connectors shall be O-Z/Gedney Type 4QL.

PATENTED
(All types this page)

Ground-Tite® Grounding Liquidtight Connectors

Type 4Q-L

90°

Use:
Connects conduit and terminates bonding conductor run externally across liquidtight conduit.

Features:
- Positive grounding type
- Tapered threaded male hub NPT
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability
- Compact, slim diameter with small turning radius
- Furnished with locknut and sealing ring
- Liquidtight/Raintight/Oiltight
- Suitable for grounding
- Long ferrule prevents pull-out and tight bend conduit "pop-out"
- Inspection windows in ferrule to ensure full engagement
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

Material/Finish:
Malleable Iron Body & Gland Nut
Steel Ferrule/Zinc Plated

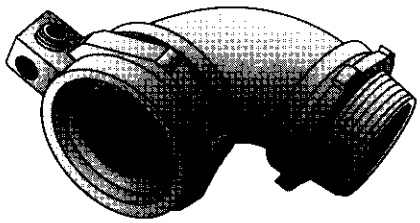
Optional Finish:
Available in Hot-Dip/Mechanically Galvanized. Minimum quantities required. Contact your local representative.

Third Party Certification:
UL Listed: E-24264

CSA Certified: 9795

UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following Hazardous Locations under NEC 501-4(b), 502-4(a)(2), 503-3(a) (2): Class I, Div. 2; Class II, Div. 1, 2; and Class III, Div. 1, 2.

Liquidtight flexible metal conduit and fittings are intended for use in accordance with National Electrical Code requirements and are not designed for submersible or direct-burial applications.



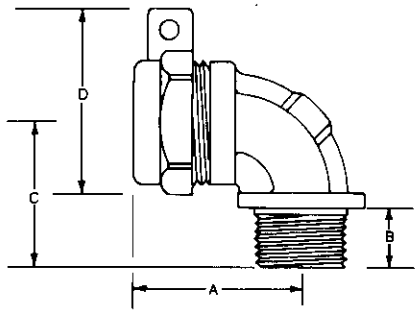
Type 4Q-938L — Type 4Q-9200L

Type 4Q-9250L — Type 4Q-9500L

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C	D	Turning Radius Gland Nut	Wire Size Min.	Wire Size Max.
⅜ (½ KO)	4Q-938L	4Q-938LT	1 7/16	½	1¼	1 1/32	1 11/16	14	4
½	4Q-950L	4Q-950LT	1 7/16	½	1 5/16	1⅞	1 3/16	14	4
¾	4Q-975L	4Q-975LT	1 11/16	½	1½	2⅛	1 5/16	14	4
1	4Q-9100L	4Q-9100LT	1⅞	½	1⅝	2⅜	1 7/16	14	4
1¼	4Q-9125L	4Q-9125LT	2 7/16	9/16	2 1/16	2⅞	1¾	6	1/0
1½	4Q-9150L	4Q-9150LT	2⅝	9/16	2 9/16	3¼	1⅞	6	1/0
2	4Q-9200L	4Q-9200LT	3¼	¾	2⅞	3¾	2 5/16	6	1/0
2½	4Q-9250L	4Q-9250LT	7 7/16	1	7⅛	4⅝	2¾	1	4/0
3	4Q-9300L	4Q-9300LT	8 13/16	1⅛	8½	5 5/16	3 1/16	1	4/0
4	4Q-9400L	4Q-9400LT	11⅜	1⅛	11	6½	3⅝	1	4/0
5	4Q-9500L•	4Q-9500LT•	16	1¼	14	7½	4 3/16	1	4/0

•UL not applicable.

Note:
When the 3/8" through 2" trade size 90° connectors are installed in enclosures with flush threaded openings (internal hubs), insufficient clearance may prevent rotation of the gland nut.



Suggested Specification:
Where liquidtight flexible metal conduit is used, bonding jumpers shall be provided around such conduit and terminated by malleable iron connectors provided with lugs cast integrally with the gland nuts. These connectors shall be O-Z/Gedney Type 4QL.

PATENTED
(All types this page)

Ground-Tite® Grounding Liquidtight Connectors

Type 4Q-FML

Combination Couplings

Use:
Connects conduit and terminates bonding conductor run externally across liquidtight conduit to threaded rigid conduit and IMC.

Features:
- Positive grounding type
- Liquidtight flexible metal conduit to threaded rigid conduit and IMC
- Female hub NPT
- Grounding lug is cast as an integral part of malleable iron gland nut. Provides high ground fault withstand capability
- Compact, slim diameter with small turning radius
- Furnished with locknut and sealing ring
- Liquidtight/Raintight/Oiltight
- Suitable for grounding (through 1¼")
- Long ferrule prevents pull-out and tight bend conduit "pop-out"
- * Inspection windows in ferrule to ensure full engagement
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

Material/Finish:
Malleable Iron Body & Gland Nut
Steel Ferrule /Zinc Plated

Optional Finish:
Available in Hot-Dip/Mechanically Galvanized. Minimum quantities required. Consult you local representative.

Third Party Certification:
UL Listed: E-24264
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
NEMA: FB-1
Federal Spec: W-F-406E

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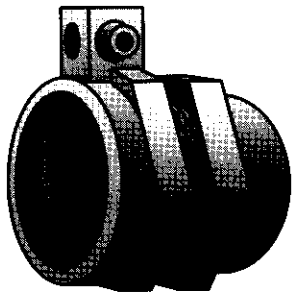
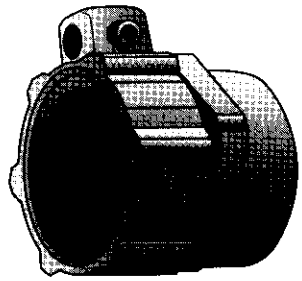
(All types this page)



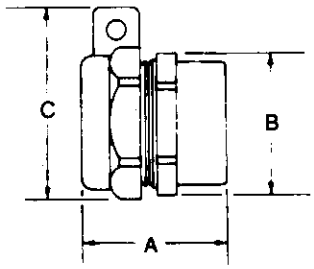
Type 4Q-38FML — Type 4Q-200FML



Type 4Q-250FML — Type 4Q-500FML

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Turning Radius Gland Nut	Wire Size Min.	Max.
⅜*	4Q-38FML	1 5/16	1 3/16	1 11/16	1⅛	14	4
½	4Q-50FML	1⅜	1 5/16	1⅞	1 3/16	14	4
¾	4Q-75FML	1 7/16	1 9/16	2⅛	1 5/16	14	4
1	4Q-100FML	1⅝	1 13/16	2⅜	1 7/16	14	4
1¼	4Q-125FML	2	2 5/16	2⅞	1¾	6	1/0
1½	4Q-150FML	2 1/16	2 9/16	3¼	1⅞	6	1/0
2	4Q-200FML	2 5/16	3 1/16	3¾	2 5/16	6	1/0
2½	4Q-250FML	3 5/16	3⅞	4⅝	2¾	1	4/0
3	4Q-300FML	3⅝	4⅝	5 5/16	3 1/16	1	4/0
3½	4Q-350FML	3⅞	5 5/16	5⅞	3⅜	1	4/0
4	4Q-400FML	3 11/16	5¾	6½	3⅝	1	4/0
5	4Q-500FML•	3⅞	6⅞	7½	4 3/16	1	4/0

•UL Listing not applicable to these sizes.



Liquidtight Connectors

Hot-Dip/Mechanically Galvanized with Insulated Throat

Type 4Q-TG

For Use in Severe Industrial and Environmental Atmospheres

Standard zinc electroplated fittings offer more than adequate protection in areas relatively free of highly corrosive fumes and liquids. However, in an atmosphere where severe contaminants are present, a heavy coating of zinc galvanize offers one of the best protections against corrosion. In the processes of hot-dipping or mechanically galvanizing, a large amount of zinc is deposited on the surface of the base metal to a minimum of .002" or about 10 times the usual electroplating thickness.

In the Series 4Q-TG, mechanically galvanized finish is provided on small sizes through 2" on angle connectors and through 4" on straights. Hot-dip galvanized finish is provided on sizes 2½" and larger on angle connectors and 5" and larger on straights. Mechanical galvanizing provides coating thickness and corrosion protection comparable to the hot-dip process but offers the additional advantage of providing heavy plating on threaded surfaces as well. Mechanical galvanizing meets the performance criteria of ASTM A-153 Class D and B-695 Class 50.

The Process of *Mechanical Galvanizing* on Smaller Parts Provides:

- Excellent coating uniformity on all surface areas, particularly on threads.
- Complete coating assurance with proper mating of threaded parts.
- A heavier coating than is possible with conventional methods of electroplating.
- Quality and thickness comparable to the hot-dip galvanizing method.
- Favorable comparison with the hot-dip process of parts tested in salt spray and industrial atmospheres.

Liquidtight Fittings

Hot-Dip/Mechanically Galvanized with Insulated Throat

Type 4Q-TG

Straight

Features:
- With Insulated Throat
- Tapered threaded male hub NPT
- Compact, slim diameter with small turning radius
- Furnished with locknut and sealing ring.
- Liquidtight/Raintight/Oiltight
- Suitable for grounding (through 1¼")
- Suitable for wet locations
- Long ferrule prevents pullout and tight bend conduit "pop-out"
- Inspection windows in ferrule to ensure full engagement
- Provided with insulated throat
- See Page GC4 for our patented Ferrule Wrench which makes ferrule installation easy.

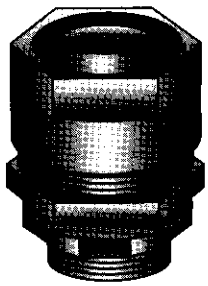
Material/Finish:
Malleable Iron/Galvanized
Steel Ferrule/Zinc Plated

Third Party Certification:
UL Listed: 11853

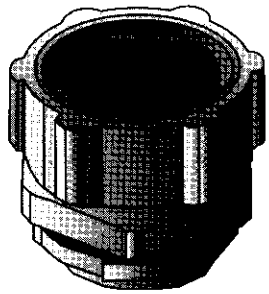
CSA Certified: 9795

UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following Hazardous Locations under NEC 501-4(b), 502-4(a)(2), 503-3(a) (2): Class I, Div. 2; Class II, Div. 1, 2; and Class III, Div. 1, 2 and are suitable for grounding in sizes ⅜" through 1¼" under NEC 351-1

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Federal Spec: W-F-406E



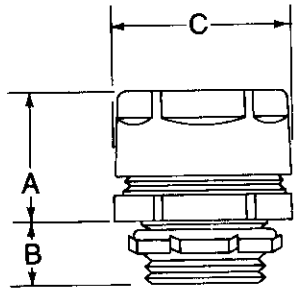
Type 4Q-38TG — Type 4Q-200TG



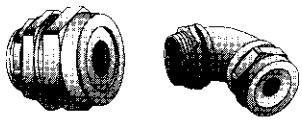
Type 4Q-250TG — Type 4Q-600TG

Trade Size (inches)	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
⅜ (½ KO)	4Q-38TG	1	½	1⅛
½	4Q-50TG	1	½	1¼
¾	4Q-75TG	1⅛	½	1½
1	4Q-100TG	1¼	⅝	1¾
1¼	4Q-125TG	1⅜	⅝	2½
1½	4Q-150TG	1⅜	⅝	2¾
2	4Q-200TG	1½	⅝	3¼
2½	4Q-250TG	2	1	4⅛
3	4Q-300TG	2	1⅛	4⅞
3½	4Q-350TG	2¼	1¼	4⅞
4	4Q-400TG	2¼	1¼	6⅛
5	4Q-500TG•	2⅜	1⅛	7⅜
6	4Q-600TG*•	2½	1⅜	8⅝

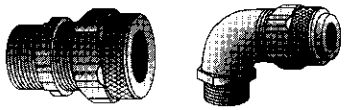
•UL Listing not applicable to these sizes
*CSA Certification not applicable to these sizes.



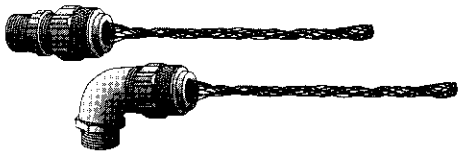
Grip-Tite® Strain Relief Connectors HA1
90° Grip-Tite Strain Relief Connectors HA2



Gold Seal Strain Relief Connectors HA4
90° Gold Seal Strain Relief Connectors HA5



Aluminum Cord Grip Connectors HB1
90° Aluminum Cord Grip Connectors HB2



Aluminum Cord Grip Connectors with Wire Mesh Grips HB3

Notes

Grip-Tite® Strain Relief Connectors

Type SR

Straight

Use:
To secure and seal cords or cables entering enclosures or raceways.

Features:
- Grip-tite style - 2-piece internal design features a nylon gripper for exceptional pullout protection and a neoprene grommet for a moisture-proof seal (up to 1" dia. cord range).
- Dual-grommet style - for over 1" dia. cord range. Removable insert allows for wider range of cable diameters within single fitting
- Simple installation, cord can be installed without disassembly of the fitting
- Liquidtight/Oiltight/Raintight
- Rated at 90°C
- Suitable for NEMA 4 enclosures and other wet locations
- Male tapered thread NPT
- Slim diameter profile allows close spacing between connectors
- Furnished complete with sealing ring and locknut
- Colored gripper allows for easy identification

Material:
Malleable Iron Body & Gland Nut, Nylon Gripper, Neoprene Grommet, PVC or Buna-N Sealing Ring, Steel Locknut

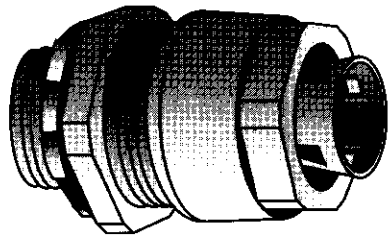
Finish:
Zinc Plated on Body, Gland Nut and Locknut

Optional Finish:
Mechanical Galvanized
Contact your local representative

Third Party Certification:
UL Listed: E-11857
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-406E

Notes:
Suitable for use in Hazardous Locations under NEC Sec. 501-4(b), 502-4(a) (2), and 503-3(a). For Class I, Div. 2, Class II, Div. 1, 2, and Class III, Div. 1, 2.



Type SR-50-250

Catalog Number	Cord Range (In.) Min.	Cord Range (In.) Max.	Hub Size Inches	Style	New Color	Dimensions in Inches Throat I.D.	Body Length	Max Dia.
SR-50-250	.156	.250	½	Grip Tite	Red	.53	1¼	1⅜
SR-50-375	.250	.375	½		White	.53	1¼	1⅜
SR-50-500	.375	.500	½		Blue	.53	1¼	1⅜
•SR-50-625	.500	.625	½		Brown	•.61	1¼	1⅜
SR-75-250	.156	.250	¾	Grip-Tite	Red	.53	1¼	1⅜
SR-75-375	.250	.375	¾		White	.53	1¼	1⅜
SR-75-500	.375	.500	¾		Blue	.53	1¼	1⅜
SR-75-625	.500	.625	¾		Brown	.75	1¼	1⅜
SR-75-750	.625	.750	¾		Yellow	.78	1¼	1½
•SR-75-875	.750	.875	¾		Purple	•.81	1¼	1¾
SR-100-750	.625	.750	1	Grip-Tite	Yellow	.78	1¼	1¾
SR-100-875	.750	.875	1		Purple	.96	1¼	1¾
SR-100-1000	.875	1.000	1		Grey	1.05	1¼	1⅝
SR-125-1000	.875	1.000	1¼		Grey	1.20	1⅜	2⅛
•SR-100-1125	1.000	1.125	1	Single Grommet		•1.05	1⅜	1½
•SR-125-1375	1.000	1.375	1¼	Dual Grommet		•1.35	1⅝	2½
SR-150-1375	1.000	1.375	1½			1.38	1⅝	2½
•SR-150-1750	1.375	1.750	1½			•1.53	1⅝	3
SR-200-1750	1.375	1.750	2			1.59	2⅛	3
SR-250-2000	1.625	2.000	2½			2.50	2½	4
SR-250-2250	1.875	2.250	2½			2.50	2½	4
SR-300-2250	1.875	2.250	3			2.50	2½	4½
SR-300-2500	2.125	2.500	3			2.50	2½	4½

•Remove enough jacket to get conductors through throat I.D.

Grip-Tite® Strain Relief Connectors

Type SR

90°

Use:
To secure and seal cords or cables entering enclosures or raceways.

Features:
- Grip-tite style - 2-piece internal design features a nylon gripper for exceptional pullout protection and a neoprene grommet for a moisture-proof seal (up to 1" dia. cord range).
- Dual-grommet style - for over 1" dia. cord range. Removable insert allows for wider range of cable diameters within single fitting
- Simple installation, cord can be installed without disassembly of the fitting
- Liquidtight/Oiltight/Raintight
- Rated at 90°C
- Suitable for NEMA 4 enclosures and other wet locations
- Male tapered thread NPT
- Slim diameter profile allows close spacing between connectors
- Furnished complete with sealing ring and locknut
- Colored gripper allows for easy identification

Material:
Malleable Iron Body & Gland Nut, Nylon Gripper, Neoprene Grommet, PVC or Buna-N Sealing Ring, Steel Locknut

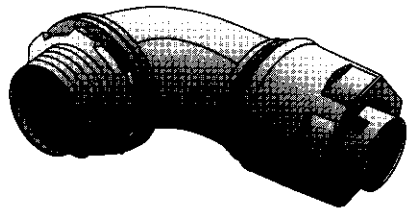
Finish:
Zinc Plated on Body, Gland Nut and Locknut

Optional Finish:
Mechanical Galvanized
Contact your local representative.

Third Party Certification:
UL Listed: E-11857
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-406E

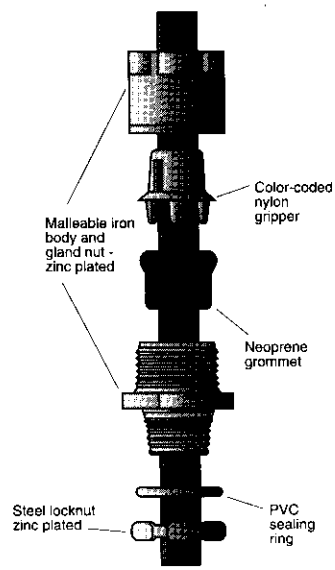
Notes:
Suitable for use in Hazardous Locations under NEC Sec. 501-4(b), 502-4(a) (2), and 503-3(a). For Class I, Div. 2, Class II, Div. 1, 2, and Class III, Div. 1, 2.



Type SR-950-250

Catalog Number*	Cord Range (in.) Min.	Cord Range (in.) Max.	Hub Size Inches	Style	New Color	Dimensions in Inches: Throat I.D.	Body Length	Max Dia.	Turning Radius
SR-950-250	.156	.250	½		Red	.59	1⅜	1⅛	1⅞
SR-950-375	.250	.375	½	Grip	White	.59	1⅜	1⅛	1⅞
SR-950-500	.375	.500	½	Tite	Blue	.59	1⅜	1⅛	1⅞
•SR-950-625	.500	.625	½		Brown	•.59	1⅜	1⅛	1⅝
SR-975-250	.156	.250	¾		Red	.81	1⅜	1⅜	1⅝
SR-975-375	.250	.375	¾		White	.81	1⅜	1⅜	1⅞
SR-975-500	.375	.500	¾	Grip-	Blue	.81	1⅜	1⅜	1⅞
SR-975-625	.500	.625	¾	Tite	Brown	.81	1⅜	1⅜	1⅝
SR-975-750	.625	.750	¾		Yellow	.81	1⅝	1½	2
•SR-975-875	.750	.875	¾		Purple	•.82	1⅞	1⅝	1⅞
SR-9100-875	.750	.875	1	Grip-	Purple	1.02	1⅞	1⅝	2
SR-9100-1000	.875	1.000	1	Tite	Grey	1.04	2½	1⅞	2
SR-9125-1000	.875	1.000	1¼	Grip-Tite	Grey	1.34	2⅞	1⅞	2⅝
•SR-9125-1375	1.000	1.375	1¼	Dual Grommet		•1.34	2⅞	1⅞	2⅝

•Remove enough jacket to get conductors through Throat I.D.

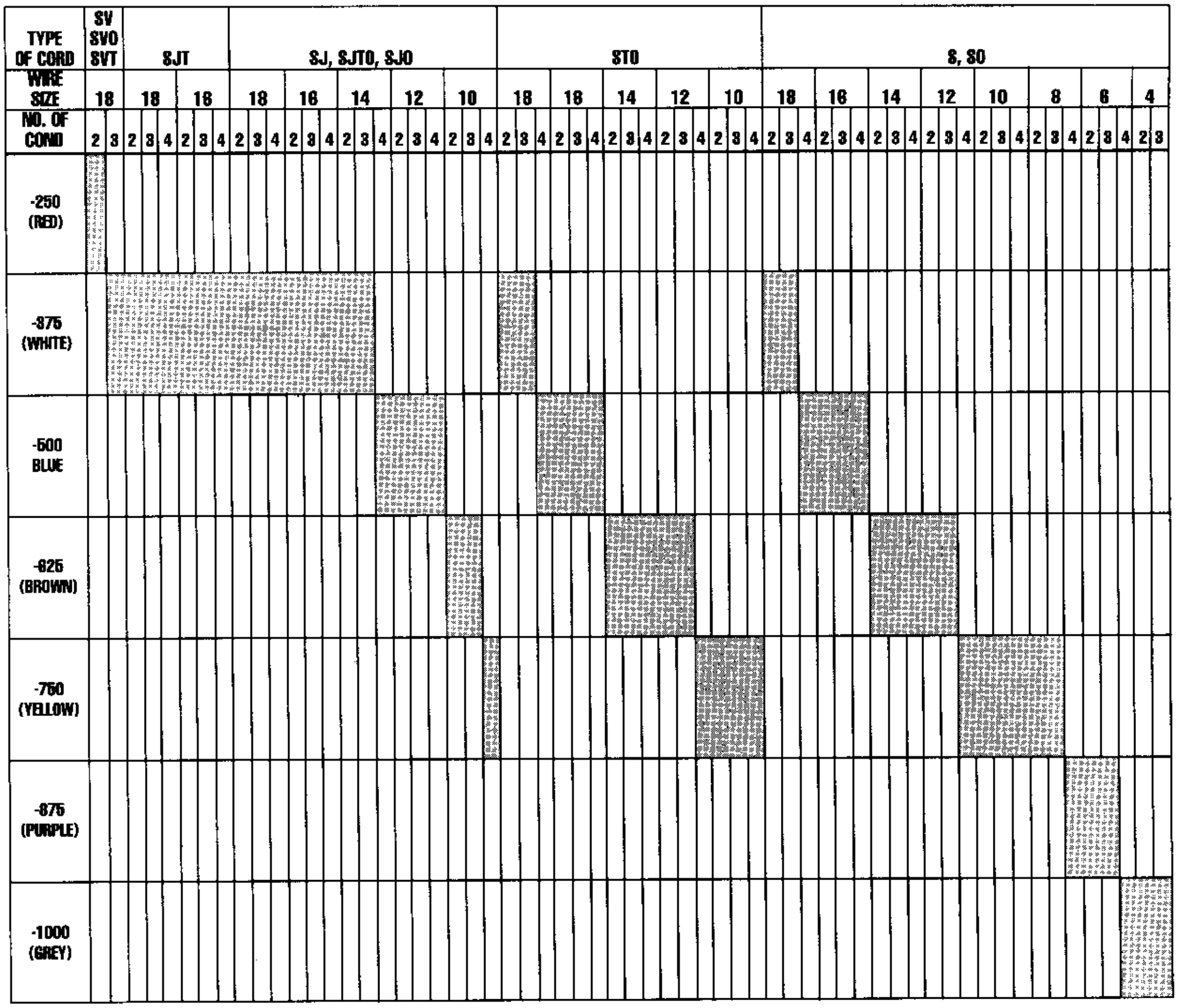


Strain Relief Installation

Grip-Tite® Strain Relief Connectors

Selection Chart

GRIP-TITE STRAIN RELIEF CONNECTOR SELECTION CHART



Catalog Number Suffix (Nylon Gripper Color)

*This chart is intended for use a a guide only. Whenever possible, exact cord dimensions should be used. O-Z/Gedney Company assumes no liability for errors, omissions or dimensional changes which may result from changes in design, material or the manufacturing process and which may affect cord and fitting compatibility.

Gold Seal Strain Relief Connectors

Type SR

Straight Strain Relief

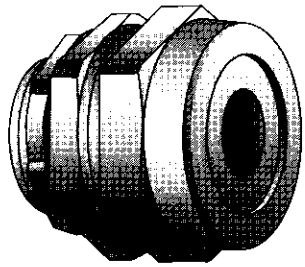
Features:
- Tapered threaded male hub NPT
- Watertight/Oiltight
- PVC grommets

Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-11857

CSA Certified: 9795

Note:
1. Gold Seal connectors available with insulated throat, consult factory.
2. For multi-hole applications, consult factory.



Type SR-502

Catalog Number	Cable Range (in.) Dia. Over Jacket Min.	Max.	Hub Size (inches)	Throat I.D.	Dimensions in Inches Body Length	Thread Length	Max. Dia.
SR-502	.100	.200	½	.52	1⅛	9/16	1 1/16
SR-503	.200	.300	½	.52	1⅛	9/16	1 1/16
SR-504	.300	.400	½	.52	1⅛	9/16	1 1/16
SR-505-55	.455	.555	½	.61	1 3/16	9/16	1 1/16
SR-506	.500	.600	½	.61	1 3/16	7/16	1 1/16
•SR-507	.600	.700	½	.61•	1 3/16	7/16	1⅜
SR-752	.100	.200	¾	.76	1 3/16	7/16	1⅜
SR-753	.200	.300	¾	.76	1 3/16	7/16	1⅜
SR-754	.300	.400	¾	.76	1 3/16	7/16	1⅜
SR-755	.400	.500	¾	.76	1 3/16	7/16	1⅜
SR-756	.500	.600	¾	.76	1 3/16	7/16	1⅜
SR-757	.600	.700	¾	.76	1 3/16	7/16	1⅜
SR-758	.700	.800	¾	.80	1¼	7/16	1⅝
•SR-759	.800	.900	¾	.80•	1¼	7/16	1⅝
•SR-7510	.900	1.000	¾	.80•	1¼	7/16	1⅝
SR-1002	.100	.200	1	.96	1¼	5/8	1⅝
SR-1003	.200	.300	1	.96	1¼	5/8	1⅝
SR-1004	.300	.400	1	.96	1¼	5/8	1⅝
SR-1005	.400	.500	1	.96	1¼	5/8	1⅝
SR-1006	.500	.600	1	.96	1¼	5/8	1⅝
SR-1007	.600	.700	1	.96	1¼	5/8	1⅝
SR-1008	.700	.800	1	.96	1¼	5/8	1⅝
SR-1009	.800	.900	1	.96	1¼	5/8	1⅝
•SR-10010	.900	1.000	1	.96•	1¼	5/8	1⅝
•SR-10012	1.000	1.200	1	.96•	1⅜	5/8	1 15/16
SR-12510	.900	1.000	1¼	1.20	1⅜	5/8	2 1/16
SR-12512	1.000	1.200	1¼	1.20	1⅜	5/8	2 1/16
•SR-12514	1.200	1.400	1¼	1.22•	1 9/16	5/8	2⅜
SR-15012	1.000	1.200	1½	1.50	1 3/16	5/8	2⅜
SR-15014	1.200	1.400	1½	1.50	1 3/16	5/8	2⅜
•SR-15016	1.400	1.600	1½	1.56•	1 13/16	5/8	3
•SR-15018	1.600	1.800	1½	1.56•	1 13/16	5/8	3
SR-20014	1.200	1.400	2	1.93	2 1/16	5/8	3
SR-20016	1.400	1.600	2	1.93	2 1/16	5/8	3
SR-20018	1.600	1.800	2	1.93	2 1/16	5/8	3
SR-25018	1.500	1.800	2½	2.44	2½	1⅛	4 1/16
SR-25021	1.800	2.100	2½	2.44	2½	1⅛	4 1/16
SR-25024	2.100	2.400	2½	2.44	2½	1⅛	4 1/16
SR-30018	1.500	1.800	3	2.44	2½	1⅛	4 1/16
SR-30021	1.800	2.100	3	2.44	2½	1⅛	4 1/16
SR-30024	2.100	2.400	3	2.44	2½	1⅛	4 1/16

•Remove enough jacket to get conductors through Throat I.D.

Gold Seal Strain Relief Connectors

Type SR

90°

Features:
- Tapered threaded male hub NPT
- Watertight/Oiltight
- PVC grommets

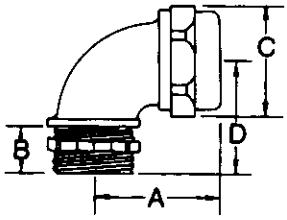
Material/Finish:
Malleable Iron/Zinc Plated

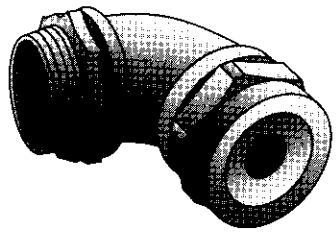
Third Party Certification:
UL Listed: E-11857

CSA Certified: 9795

Applicable Third Party Standards:
U.L. Standard 514B
CSA Standard C22.2 No. 18
Fed. Spec. W-F-406E

Note:
1. Gold Seal connectors available with insulated throat, consult factory.
2. For multi-hole applications, consult factory.





Type SR9-502

Catalog Number•	Cable Range (in.) Dia. Over Jacket Min.	Max.	Hub Size Inches	Throat I.D.	Dimensions in Inches A	B	C	D
SR9-502	.100 -	.200	½	.50	1⅜	7/16	1 1/16	1 1/16
SR9-503	.200 -	.300	½	.50	1⅜	7/16	1 1/16	1 1/16
SR9-504	.300 -	.400	½	.50	1⅜	7/16	1 1/16	1 1/16
SR9-505	.455 -	.555	½	.50	1⅜	7/16	1 1/16	1 1/16
SR9-506	.500 -	.600	½	.61	1½	½	1⅜	1 3/16
•SR9-507	.600 -	.700	½	.61•	1½	½	1⅜	1 3/16
SR9-752	.100	.200	¾	.80	1 13/16	7/16	1⅜	1 7/16
SR9-753	.200	.300	¾	.80	1 13/16	7/16	1⅜	1 7/16
SR9-754	.300 -	.400	¾	.80	1 13/16	7/16	1⅜	1 7/16
SR9-755	.400 -	.500	¾	.80	1 13/16	7/16	1⅜	1 7/16
SR9-756	.500 -	.600	¾	.80	1 13/16	7/16	1⅜	1 7/16
SR9-757	.600 -	.700	¾	.80	1 13/16	7/16	1⅜	1 7/16
SR9-758	.700 -	.800	¾	.82	1⅞	9/16	1⅝	1½
SR9-1002	.100	.200	1	.95	2	½	1⅝	1 9/16
SR9-1003	.200	.300	1	.95	2	½	1⅝	1 9/16
SR9-1004	.300	.400	1	.95	2	½	1⅝	1 9/16
SR9-1005	.400	.500	1	.95	2	½	1⅝	1 9/16
SR9-1006	.500 -	.600	1	.95	2	½	1⅝	1 9/16
SR9-1007	.600 -	.700	1	.95	2	½	1⅝	1 9/16
SR9-1008	.700 -	.800	1	.95	2	½	1⅝	1 9/16
SR9-1009	.800 -	.900	1	.95	2	½	1⅝	1 9/16
•SR9-10010	.900 -	1.000	1	.95•	2	½	1⅝	1 9/16
SR9-12510	.900 -	1.000	1¼	1.10	2 1/16	⅝	1 15/16	2⅛
•SR9-12512	1.000 -	1.200	1¼	1.10•	2 1/16	⅝	1 15/16	2⅛
SR9-15012	1.000 -	1.200	1½	1.39	2 15/16	⅝	2⅜	2¼
•SR9-15014	1.200 -	1.400	1½	1.39•	2 15/16	⅝	2⅜	2¼
SR9-20014	1.200 -	1.400	2	1.77	3⅝	1 1/16	3	3 1/16
SR9-20016	1.400 -	1.600	2	1.77	3⅝	1 1/16	3	3 1/16
•SR9-20018	1.600 -	1.800	2	1.77•	3⅝	1 1/16	3	3 1/16

•Remove enough jacket to get conductors through throat I.D.

Cord Grip Connectors

Type CGA

Straight Strain Relief

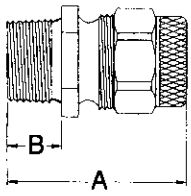
Features:
- Tapered threaded male hub NPT
- Watertight/Oiltight
- With Neoprene grommets

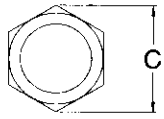
Material/Finish:
Copper Free Aluminum

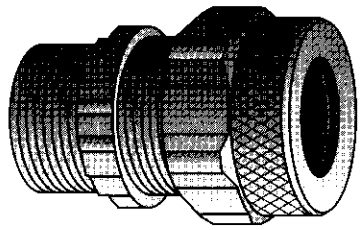
Third Party Certification:
UL Listed: E-11857

CSA Certified:

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec:. W-F-406E







Type CGA-38

Catalog Number	Cable Range (in.) Dia. Over Jacket Min.	Max.	Hub Size (inches)	Throat I.D.	Dimensions in inches A Body Length	B Thread Length	C Max. Dia.
CGA-38-188	0.125	0.188	⅜	0.46	1½	7/16	1
CGA-38-250	0.188	0.250	⅜	0.46	1½	7/16	1
CGA-38-312	0.250	0.312	⅜	0.46	1½	7/16	1
CGA-38-375	0.312	0.375	⅜	0.46	1½	7/16	1
CGA-38-438	0.375	0.438	⅜	0.46	1½	7/16	1
CGA-50-188	0.125	0.188	½	0.58	1 13/16	½	1 5/16
CGA-50-250	0.188	0.250	½	0.58	1 13/16	½	1 5/16
CGA-50-312	0.250	0.312	½	0.58	1 13/16	½	1 5/16
CGA-50-375	0.312	0.375	½	0.58	1 13/16	½	1 5/16
CGA-50-438	0.375	0.438	½	0.58	1 13/16	½	1 5/16
CGA-50-500	0.438	0.500	½	0.58	1 13/16	½	1 5/16
CGA-50-562	0.500	0.562	½	0.58	1 13/16	½	1 5/16
CGA-50-625	0.562	0.625	½	0.58	1 13/16	½	1 5/16
CGA-75-562	0.438	0.562	¾	0.81	2 1/16	9/16	1½
CGA-75-625	0.500	0.625	¾	0.81	2 1/16	9/16	1½
CGA-75-688	0.562	0.688	¾	0.81	2 1/16	9/16	1½
CGA-75-750	0.625	0.750	¾	0.81	2 1/16	9/16	1½
CGA-75-812	0.688	0.812	¾	0.81	2 1/16	9/16	1½
CGA-100-562	0.438	0.562	1	1	2 5/16	⅝	1 11/16
CGA-100-625	0.500	0.625	1	1	2 5/16	⅝	1 11/16
CGA-100-688	0.562	0.688	1	1	2 5/16	⅝	1 11/16
CGA-100-750	0.625	0.750	1	1	2 5/16	⅝	1 11/16
CGA-100-812	0.688	0.812	1	1	2 5/16	⅝	1 11/16
CGA-100-875	0.750	0.875	1	1	2 5/16	⅝	1 11/16
CGA-100-938	0.812	0.938	1	1	2 5/16	⅝	1 11/16
CGA-125-875	0.750	0.875	1¼	1.31	2¾	1 1/16	2½
CGA-125-1000	0.875	1.000	1¼	1.31	2¾	1 1/16	2½
CGA-125-1125	1.000	1.125	1¼	1.31	2¾	1 1/16	2½
CGA-125-1250	1.125	1.250	1¼	1.31	2¾	1 1/16	2½
CGA-125-1375	1.250	1.375	1¼	1.31	2¾	1 1/16	2½
CGA-150-875	0.750	0.875	1½	1.5	2¾	1 1/16	2½
CGA-150-1000	0.875	1.000	1½	1.5	2¾	1 1/16	2½
CGA-150-1125	1.000	1.125	1½	1.5	2¾	1 1/16	2½
CGA-150-1250	1.125	1.250	1½	1.5	2¾	1 1/16	2½
CGA-150-1375	1.250	1.375	1½	1.5	2¾	1 1/16	2½
CGA-200-1375	1.250	1.375	2	1.84	3¾	1 3/16	3¼
CGA-200-1562	1.438	1.562	2	1.84	3¾	1 3/16	3¼
CGA-200-1688	1.562	1.688	2	1.84	3¾	1 3/16	3¼
CGA-200-1812	1.688	1.812	2	1.84	3¾	1 3/16	3¼

Note: Consult factory for cable ranges not listed or multi-hole applications.

Cord Grip Connectors

Type CGA

90° Strain Relief

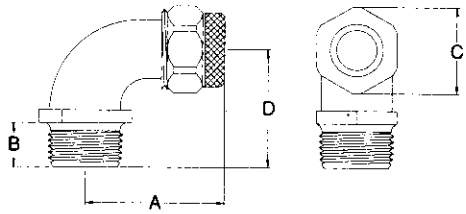
Features:
- Tapered threaded male hub NPT
- Watertight/Oiltight
- With Neoprene grommets

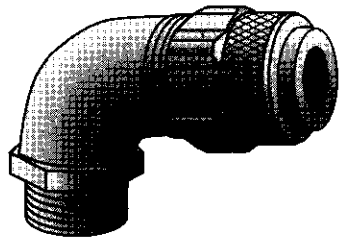
Material/Finish:
Copper Free Aluminum

Third Party Certification:
UL Listed: E-11857

CSA Certified:

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec:. W-F-406E





Type CGA-938

Catalog Number	Cable Range (in.) Dia. Over Jacket Min.	Max.	Hub Size Inches	Throat I.D.	Dimensions in Inches A	B	C	D
CGA-938-188	.125 -	.188	3/8	.45	1 1/2	7/16	1	1 5/16
CGA-938-250	.188 -	.250	3/8	.45	1 1/2	7/16	1	1 5/16
CGA-938-312	.250 -	.312	3/8	.45	1 1/2	7/16	1	1 5/16
CGA-938-375	.312 -	.375	3/8	.45	1 1/2	7/16	1	1 5/16
CGA-938-438	.375 -	.438	3/8	.58	1 1/2	7/16	1	1 5/16
CGA-950-188	.125 -	.188	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-950-250	.188 -	.250	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-950-312	.250 -	.312	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-950-375	.312 -	.375	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-950-438	.375 -	.438	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-950-500	.438 -	.500	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-950-562	.500 -	.562	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-950-625	.562 -	.625	1/2	.58	1 7/8	9/16	1 5/16	1 1/2
CGA-975-562	.438 -	.562	3/4	.76	2 1/4	5/8	1 1/2	1 15/16
CGA-975-625	.500 -	.625	3/4	.76	2 1/4	5/8	1 1/2	1 15/16
CGA-975-688	.562 -	.688	3/4	.76	2 1/4	5/8	1 1/2	1 15/16
CGA-975-750	.625 -	.750	3/4	.76	2 1/4	5/8	1 1/2	1 15/16
CGA-975-812	.688 -	.812	3/4	.76	2 1/4	5/8	1 1/2	1 15/16
CGA-9100-562	.438 -	.562	1	.99	2 3/8	5/8	1 11/16	2
CGA-9100-625	.500 -	.625	1	.99	2 3/8	5/8	1 11/16	2
CGA-9100-688	.562 -	.688	1	.99	2 3/8	5/8	1 11/16	2
CGA-9100-750	.625 -	.750	1	.99	2 3/8	5/8	1 11/16	2
CGA-9100-812	.688 -	.812	1	.99	2 3/8	5/8	1 11/16	2
CGA-9100-875	.750 -	.875	1	.99	2 3/8	5/8	1 11/16	2
CGA-9100-938	.812 -	.938	1	.99	2 3/8	5/8	1 11/16	2
CGA-9125-875	.750 -	.875	1 1/4	1.28	3 3/16	11/16	2 9/16	2 11/16
CGA-9125-1000	.875 -	1.000	1 1/4	1.28	3 3/16	11/16	2 9/16	2 11/16
CGA-9125-1125	1.000 -	1.125	1 1/4	1.28	3 3/16	11/16	2 9/16	2 11/16
CGA-9125-1250	1.125 -	1.250	1 1/4	1.28	3 3/16	11/16	2 9/16	2 11/16
CGA-9125-1375	1.250 -	1.375	1 1/4	1.28	3 3/16	11/16	2 9/16	2 11/16
CGA-9150-875	.750 -	.875	1 1/2	1.40	3 3/16	11/16	2 9/16	2 11/16
CGA-9150-1000	.875 -	1.000	1 1/2	1.40	3 3/16	11/16	2 9/16	2 11/16
CGA-9150-1125	1.000 -	1.125	1 1/2	1.40	3 3/16	11/16	2 9/16	2 11/16
CGA-9150-1250	1.125 -	1.250	1 1/2	1.40	3 3/16	11/16	2 9/16	2 11/16
CGA-9150-1375	1.250 -	1.375	1 1/2	1.40	3 3/16	11/16	2 9/16	2 11/16
CGA-9200-1375	1.250 -	1.375	2	1.90	4	13/16	3 1/4	3 3/16
CGA-9200-1562	1.438 -	1.562	2	1.90	4	13/16	3 1/4	3 3/16
CGA-9200-1688	1.562 -	1.688	2	1.90	4	13/16	3 1/4	3 3/16
CGA-9200-1812	1.688 -	1.812	2	1.90	4	13/16	3 1/4	3 3/16

Note: Consult factory for cable ranges not listed or multi-hole applications.

Cord Grip Connectors

With Wire Mesh Grips

Type CGA

Straight & 90° Strain Relief

Features:
- With Neoprene grommets
- Stainless steel wire mesh grips for superior cable pullout resistance
- Tapered threaded male hub NPT
- Watertight/Oiltight

Material/Finish:
Copper Free Aluminum

Third Party Certification:
UL Listed: E-11857

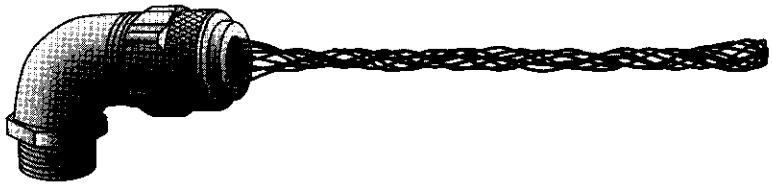
CSA Certified:

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-406E

Dimension Data:
See Pages HB1, HB2

Note:
Consult factory for cable ranges not listed or multi-hole applications.

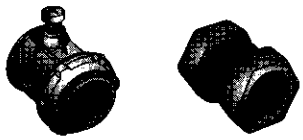
Type CGA-38-250M



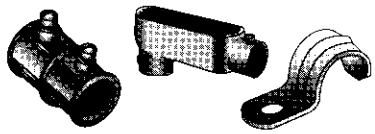
Type CGA-938-250M

Trade Size (inches)	Straight Connectors	90 Degree Connectors	Cord Range
⅜	CGA-38-250M	CGA-938-250M	.188 - .250
⅜	CGA-38-312M	CGA-938-312M	.250 - .312
⅜	CGA-38-375M	CGA-938-375M	.312 - .375
⅜	CGA-38-438M	CGA-938-438M	.375 - .438
½	CGA-50-250M	CGA-950-250M	.188 - .250
½	CGA-50-312M	CGA-950-312M	.250 - .312
½	CGA-50-375M	CGA-950-375M	.312 - .375
½	CGA-50-438M	CGA-950-438M	.375 - .438
½	CGA-50-500M	CGA-950-500M	.438 - .500
½	CGA-50-562M	CGA-950-562M	.500 - .562
½	CGA-50-625M	CGA-950-625M	.562 - .625
¾	CGA-75-562M	CGA-975-562M	.438 - .562
¾	CGA-75-625M	CGA-975-625M	.500 - .625
¾	CGA-75-688M	CGA-975-688M	.562 - .688
¾	CGA-75-750M	CGA-975-750M	.652 - .750
¾	CGA-75-812M	CGA-975-812M	.688 - .812
1	CGA-100-562M	CGA-9100-562M	.438 - .562
1	CGA-100-625M	CGA-9100-625M	.500 - .625
1	CGA-100-688M	CGA-9100-688M	.562 - .688
1	CGA-100-750M	CGA-9100-750M	.625 - .750
1	CGA-100-812M	CGA-9100-812M	.688 - .812
1	CGA-100-875M	CGA-9100-875M	.750 - .875
1	CGA-100-938M	CGA-9100-938M	.812 - .938
1¼	CGA-125-1000M	CGA-9125-1000M	.875 -1.000
1¼	CGA-125-1125M	CGA-9125-1125M	1.000 -1.125
1¼	CGA-125-1250M	CGA-9125-1250M	1.125 -1.250
1¼	CGA-125-1375M	CGA-9125-1375M	1.250 -1.375
1½	CGA-150-1000M	CGA-9150-1000M	.875 -1.000
1½	CGA-150-1125M	CGA-9150-1125M	1.000 -1.125
1½	CGA-150-1250M	CGA-9150-1250M	1.125 -1.250
1½	CGA-150-1375M	CGA-9150-1375M	1.250 -1.375
2	CGA-200-1562M	CGA-9200-1562M	1.438 -1.452
2	CGA-200-1688M	CGA-9200-1688M	1.562 -1.688
2	CGA-200-1812M	CGA-9200-1812M	1.688 -1.812

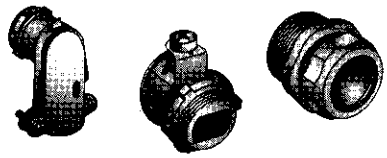
SECTION I INDEX	Product Description	Page Number



Neer Set-Screw EMT Fittings IA1
Neer Compression Fittings IA2
Neer 90° EMT Pulling Ells IA3-IA4

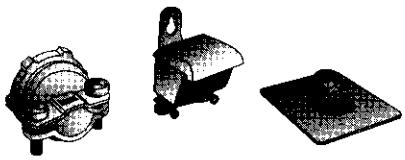


Neer Combination Couplings IA4-IA6
Neer Aluminum Set-Screw Conduit Bodies IA8
Neer EMT Straps & Hangers IA10-IA11

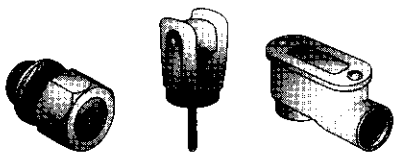


Neer AC, MC, Flex Metal Connectors IA12-IA18
Neer Strain Relief Connectors IA19

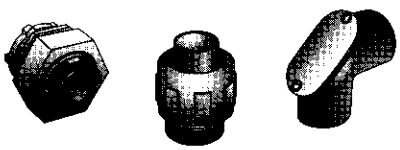
Neer Ground Clamps IA20-IA21
Neer Insulated Grounding Bushings IA22
Neer Non-Metallic Sheathed Cable Connectors IA24



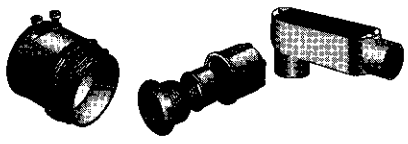
Neer Service Entrance Cable Fittings IA25
Neer Service Entrance Caps IA26-IA27
Neer Service Entrance Flashings IA28



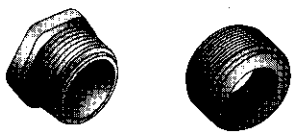
Neer Service Entrance Connectors IA29
Neer Service Entrance Wire Holders IA30
Neer Service Entrance Ells IA31



Neer Straight & 90° Liquidtight Connectors IA32-IA33
Neer Nylon Liquidtight Connectors IA34
Neer Rigid Conduit Pulling Ells & Entrance Caps IA36-IA38



Neer Rigid Conduit Couplings & Connectors IA39-IA40
Neer Rigid Conduit Straps, Locknuts & Couplings IA41-IA46
Neer Aluminum Conduit Bodies & Covers IA47-IA50



Neer Bushed Conduit Nipples IA51
Neer Reducing Bushings & Washers IA52
Neer Miscellaneous Fittings, Straps, Tape, etc.. ..... IA53-IA58

Zinc Set-Screw Connectors & Couplings

For EMT

Type TC-500 Couplings

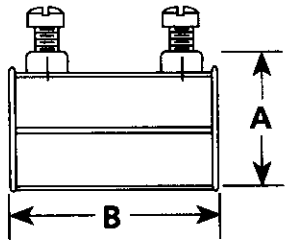
Use:
To join lengths of steel EMT for concrete-tight or dry location applications.

Features:
- Concretetight
- Pre-set/pre-staked set screws

Material:
Zinc Die Cast

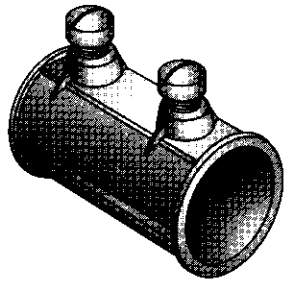
Third Party Certification:
TC-511 through TC-516
UL Listed: E-35001
TC-517 through TC-520
UL Listed: E-32539
TC-511 through TC-520
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E
Type 2, Class 2, Kind K



Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	TC-511	1.02	1.57
¾	TC-512	1.28	1.94
1	TC-513	2.53	2.27
1¼	TC-514	1.99	2.63
1½	TC-515	2.23	2.94
2	TC-516	2.69	3.50
2½	TC-517*	3.26	4.01
3	TC-518*	3.90	4.51
3½	TC-519*	4.46	5.00
4	TC-520*	4.97	5.26

*Concretetight when taped.



TC-511

Note:
TC-511, 512, and 513 are single set-screw each end. TC-514, 515, 516, 517, 518, 519, and 520 are double set-screw each end.

Type TC-500 Connectors

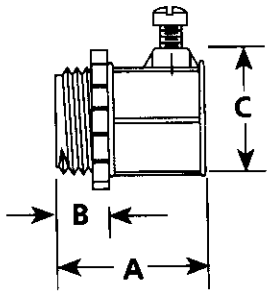
Use:
To secure and terminate steel EMT to knockouts in concretetight box or dry location applications.

Features:
- Concretetight
- Pre-set/pre-staked set screws
- Male hub threads NPS
- Available with insulated throat

Material:
Zinc Diecast

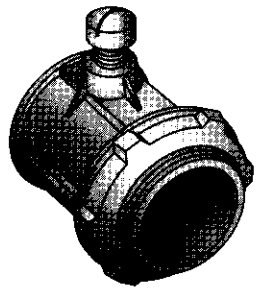
Third Party Certification:
TC-501 through TC-506
TCI-501 through TCI-506
UL Listed: E-35001
TC-507 through TC-510
UL Listed: E-32539
TC-501 through TC-510
TCI-501 through TCI-510
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E
Type 2, Class 2, Kind L, Style 1



Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
½	TC-501	TCI-501	1.12	0.37	1.04
¾	TC-502	TCI-502	1.37	0.37	1.27
1	TC-503	TCI-503	1.49	0.49	1.54
1¼	TC-504	TCI-504	1.97	0.59	1.97
1½	TC-505	TCI-505	2.26	0.74	2.24
2	TC-506	TCI-506	2.50	0.74	2.67
2½	TC-507*	TCI-507*	3.10	1.07	3.27
3	TC-508*	TCI-508*	3.31	1.60	3.91
3½	TC-509*	TCI-509*	3.56	1.03	4.51
4	TC-510*	TCI-510*	3.76	1.11	4.97

*concretetight when taped.



TC-501

Note:
TC-501, 502, and 503 are single set-screw. TC-504, 505, 506, 507, 508, 509, and 510 are double set-screw. TCI-501, 502, and 503 are single set-screw. TCI-504, 505, 506, 507, 508, 509,and 510 are double set-screw.

Zinc Compression Connectors & Couplings

For EMT

Type TC-600 Connectors
Gland Compression

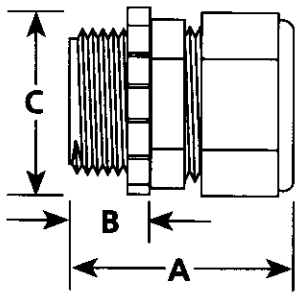
Use:
To secure and terminate steel EMT to knockouts in concretetight box, dry or damp location applications.

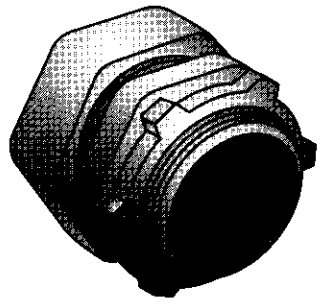
Features:
- Male hub threads NPS
- Concretetight
- Available with insulated throat

Material:
Zinc Diecast

Third Party Certification:
TC-601 through TC-606
TCI-601 through TCI-610
UL Listed: E35001
TC-607 through TC-610
TCI-607 through TCI-610
UL Listed: E32539
TC-601 through TC-610
TCI-601 through TCI-610
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E
Type 2, Class 2, Kind L, Style 1.





Type TC-601

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
½	TC-601	TCI-601	1.27	0.42	1.95
¾	TC-602	TCI-602	1.25	0.42	1.23
1	TC-603	TCI-603	1.59	0.54	1.49
1¼	TC-604	TCI-604	1.63	0.58	1.93
1½	TC-605	TCI-605	2.30	0.74	2.25
2	TC-606	TCI-606	2.43	0.74	2.75
2½	TC-607	TCI-607	2.86	0.99	3.29
3	TC-608	TCI-608	2.90	1.01	3.89
3½	TC-609	TCI-609	2.95	1.10	4.39
4	TC-610	TCI-610	2.73	1.00	4.95

Type TC-600 Couplings
Gland Compression

Use:
To join lengths steel EMT for concretetight, dry or damp location applications.

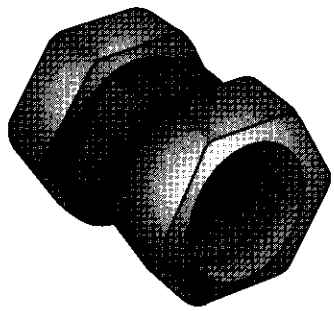
Features:
- Concretetight

Material:
Zinc Diecast

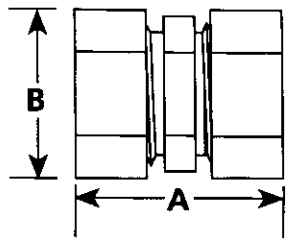
Third Party Certification:
TC-611 through TC-616
UL Listed: E-35001
TC-617 through TC-620
UL Listed: E-32539
TC-611 through TC-620
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1.
Fed. Spec: W-F-408E,
Type 2, Class 2, Kind K.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	TC-611	1.52	0.95
¾	TC-612	1.66	1.26
1	TC-613	2.02	1.50
1¼	TC-614	2.18	1.92
1½	TC-615	3.10	2.25
2	TC-616	3.06	2.75
2½	TC-617	3.63	3.27
3	TC-618	3.52	3.89
3½	TC-610	3.77	4.40
4	TC-620	4.06	4.89



Type TC-611



Zinc 90° Corner Pulling Ells

For EMT

Type THL
90° Female/Female

Use:
90° corner pulling elbows are used to facilitate pulling conductors through a sharp bend in a run of EMT. The removable cover gives ample access so that wire pulling can be achieved without any obstructions.

Material/Finish:
Zinc Diecast

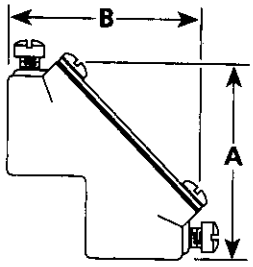
Third Party Certification:
UL Listed: E35001

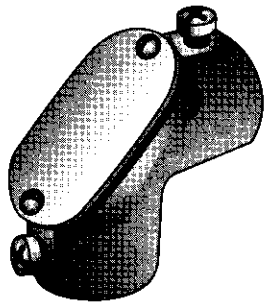
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number*	Dimensions in Inches A	B
½	THL-500	2.04	2.04
½	THL-500G*	2.10	2.10
¾	THL-750	2.30	2.25
¾	THL-750G*	2.35	2.31

*Provided with gaskets





Type THL-500

Zinc Corner Pull Elbows & Combination Couplings

For EMT

Type CPL
90° Set-Screw

Use:
Application is similar to that for 90° corner pulling elbows, however, these products are used where it is essential to make tight turns within limited space.

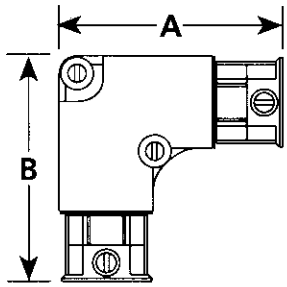
Material:
Zinc Diecast

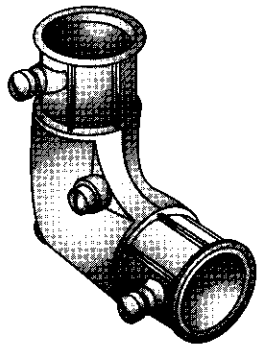
Third Party Certification:
UL Listed: E-163167

CSA Certified : 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	CPL-50	2.30	2.30
¾	CPL-75	2.61	2.61





Type CPL-50

Type LT
EMT to Liquidtight Flexible Metal Conduit

Use:
A combination coupling to provide a transition from ½" trade size EMT to ½" trade size liquidtight flexible metal conduit.

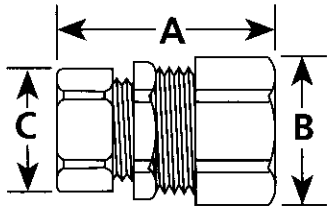
Material:
Zinc Diecast

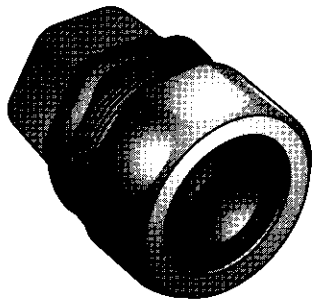
Third Party Certification:
UL Listed: E-163167

CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½ to ½	LT-50	1.64	1.39	1.09





Type LT-50

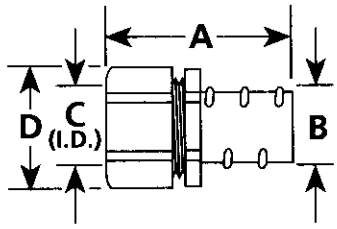
Zinc Combination Couplings

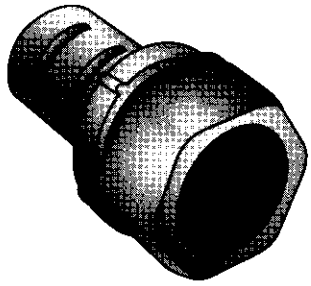
For EMT

Type EGC

EMT to Flexible Metal Conduit

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
½ to ½	EGC-50	1.66	0.71	0.72	1.00
¾ to ¾	EGC-75	1.68	0.92	0.92	1.18





Type EGC-50

Use:
A combination coupling to provide a transition from EMT to flexible metal conduit.

Material/Finish:
Zinc Diecast

Third Party Certification:
UL Listed: E-163167

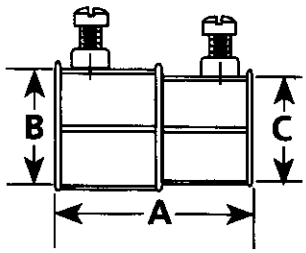
CSA Certified: 49636

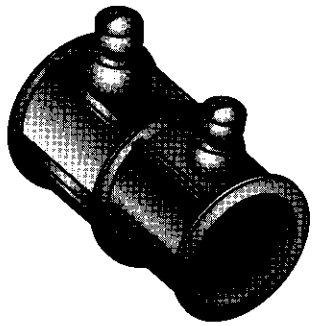
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D, Type 4, Class 6

Type REC

EMT to Threadless Rigid Conduit & IMC

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½ to ½	REC-50	1.66	1.08	0.93
¾ to ¾	REC-75	1.97	1.29	1.15





Type REC-50

Use:
A combination coupling to provide a transition from EMT to unthreaded rigid conduit.

Material/Finish:
Zinc Die Cast

Third Party Certification:
UL Listed: E-163167

CSA Certified 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Zinc Combination Couplings & Connectors

For EMT

Type EFC Combination Couplings

EMT to Flexible Metallic Conduit

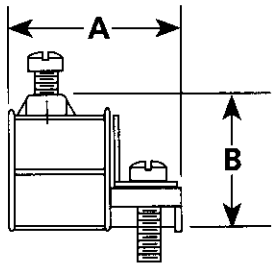
Use:
A combination coupling to provide a transition from EMT to flexible metal conduit.

Material:
Zinc Diecast

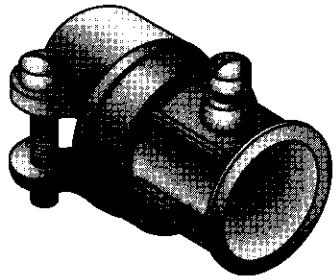
Third Party Certification:
UL Listed: E-163167
CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406, Type 4, Class 6

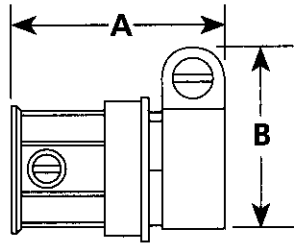
Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½ to ½	EFC-50	1.16	1.05
½ to ½	EFC-75	1.64	1.35
¾ to ¾	EFC-100	1.97	1.54



EFC-50



Type EFC-50



EFC-75 and 100

Type TWL Connector

90° Gland Compression

Use:
Compression type 90° EMT connectors used to terminate EMT to an unthreaded box or enclosure.

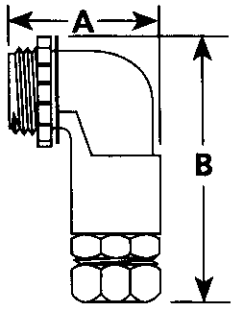
Features:
• Concretetight

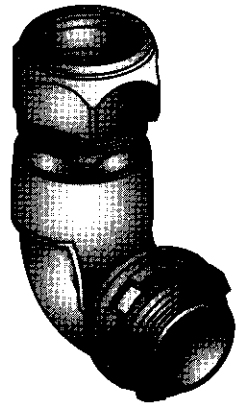
Material:
Diecast Zinc

Third Party Certification:
UL Listed: E-163167
CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E
Type 2, Class 2, Kind M, Style 1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	TWL-50	1.84	2.07
¾	TWL-75	2.06	2.45





Type TWL-50

Zinc Offset Nipples

For EMT

Type TN

Set-Screw

Use:
Set-screw type offset connectors are used to make a slight adjustment in terminating the end of a run of emt to an enclosure or box.

Features:
- Male Hub Threads—NPS
- Concretetight, when taped

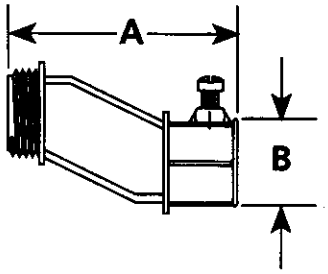
Material/Finish:
Zinc Die Cast

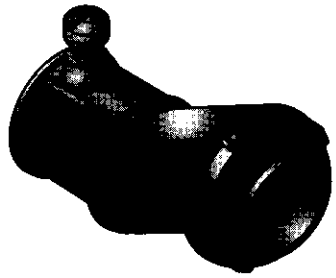
Third Party Certification:
UL Listed: E-163167

CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E,
Type 2, Class 2, Kind Y.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	TN-50	2.10	0.95





Type TN-50

Aluminum Set-Screw Conduit Bodies

Type LB-SS

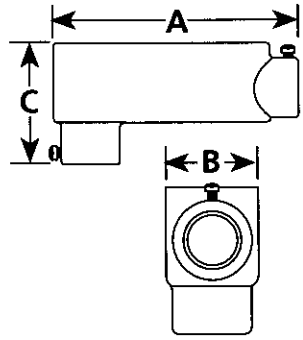
Use:
Set-screw type aluminum conduit bodies are used on steel EMT providing access to the interior of the raceway for wire pulling, splicing (with limitations as specified in the National Electrical Code), and maintenance.

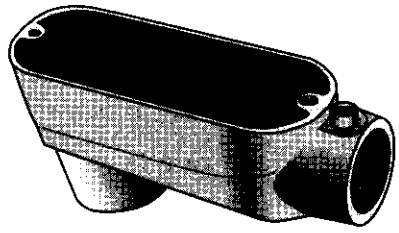
Material/Finish:
Aluminum

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	LB-50-SS	4.41	1.37	2.16
¾	LB-75-SS	5.10	1.57	2.45
1	LB-100-SS	5.94	1.78	2.75
1¼	LB-125-SS	7.88	2.56	3.56
1½	LB-150-SS	7.88	2.59	3.75
2	LB-200-SS	10.25	3.18	4.30





Type LB-50-SS

Aluminum Conduit Body Accessories

For EMT

Type CC

Aluminum Covers

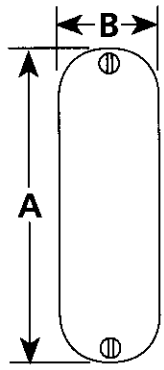
Use:
Cover for LB, LR, LL, LC and TC Series conduit body.

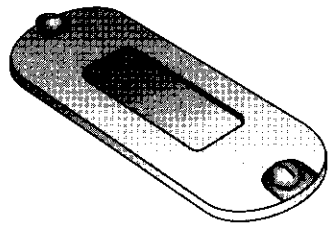
Material/Finish:
Aluminum

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard:514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	CC-50	3.90	1.37
¾	CC-75	4.70	1.60
1	CC-100	5.40	1.78
1¼ & 1½	CC-125	7.25	2.52
2	CC-200	9.50	3.11
2½ & 3	CC-250	12.13	4.45
3½ & 4	CC-400	14.94	5.50





Type CC-50

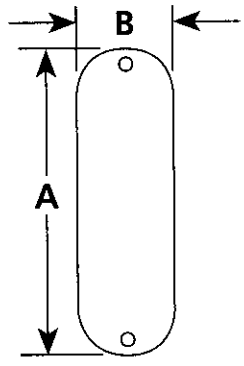
Type FG

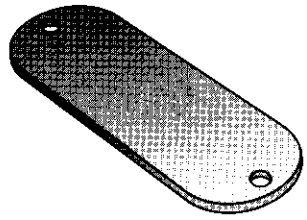
Fibre Gaskets

Use:
Cover gasket to provide sealing for LB, LR, LL, LC and TC Series conduit body.

Material/Finish:
Neoprene

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	FG-50	3.90	1.37
¾	FG-75	4.60	1.56
1	FG-100	5.34	1.73
1¼ & 1½	FG-125	7.25	2.51
2	FG-200	9.50	3.05
2½ & 3	FG-250	12.13	4.39
3½ & 4	FG-400	14.88	5.43





Type FG-50

EMT Straps

Type 1900 & Type 1800

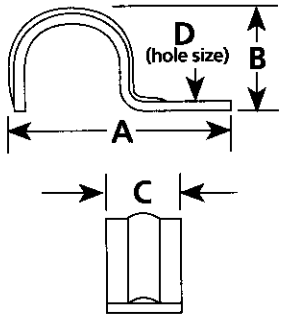
1-Hole Click-On

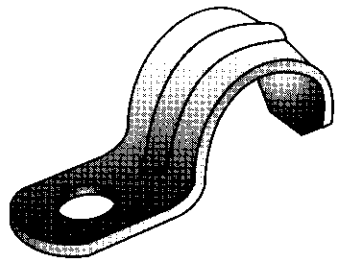
Use:
Click-on type one-hole straps for EMT. Provides support for the conduits, as required by the National Electrical Code.

Material/Finish:
Steel/Zinc Plated

Third Party Certification:
UL Listed: E-163167
1901 through 1906
CSA Certified: LR104691
1901 through 1903

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
½	1901	1.64	0.80	0.57	9/32
¾	1902	1.96	0.98	0.63	9/32
1	1903	2.22	1.13	0.75	9/32
1¼	1904	2.86	1.50	0.87	3/8
1½	1905	3.14	1.75	0.99	3/8
2	1906	3.89	2.00	1.11	7/16
2½	1807	4.99	2.85	1.24	17/32
3	1808	5.55	3.47	1.25	17/32
3½	1809	6.25	4.10	1.25	17/32
4	1810	7.00	4.51	1.26	17/32





Type 1901

Type TH-1900 & Type TH-1800

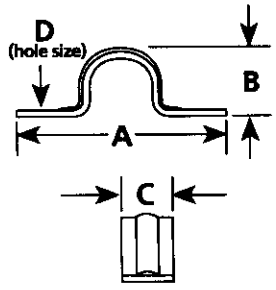
2-Hole Snap-On

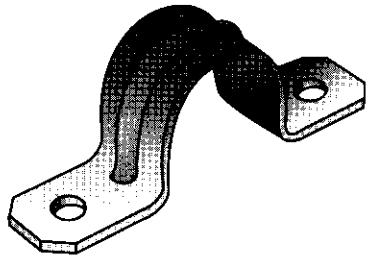
Use:
Snap-on type two-hole straps for EMT are used where higher load bearing supports are desired.

Material/Finish:
Steel/Zinc Plated

Third Party Certification:
UL Listed: E-163167
TH-1901 through TH-1905
CSA Certified: LR104691

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
½	TH-1901	2.17	0.72	0.56	3/16
¾	TH-1902	2.71	0.91	0.61	3/16
1	TH-1903	3.10	1.12	0.68	3/16
1¼	TH-1904	3.70	1.44	0.74	¼
1½	TH-1905	4.24	1.67	0.87	¼
2	TH-1906	4.83	2.13	1.00	3/8
2½	TH-1807	5.98	2.87	0.98	3/8
3	TH-1808	6.37	3.56	0.99	3/8
3½	TH-1809	7.37	4.05	1.00	7/16
4	TH-1810	8.12	4.51	1.00	7/16





Type TH-1901

Conduit Hangers

Type CH-B
With Bolts & Nuts

Use:
Secure and suspend rigid conduit, IMC, EMT or PVC conduit from overhead supports.

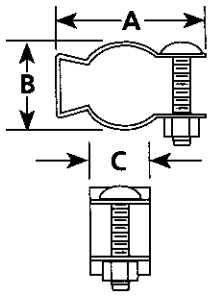
Features:
• Furnished with carriage bolt

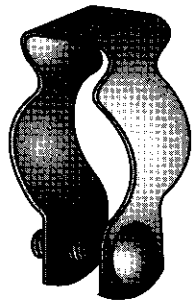
Material/Finish:
Steel/Zinc Plated

Third Party Certification:
UL Listed: E-163167

CSA Certified: LR104691

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜&½	CH-050-B	1.93	0.91	0.75
¾	CH-100-B	2.16	1.10	0.75
1	CH-200-B	2.42	1.37	0.88
1¼TW	CH-250-B	2.72	1.55	0.88
1¼HW	CH-300-B	2.85	1.90	0.88
1½	CH-400-B	3.15	1.93	1.00
2	CH-500-B	3.73	1.20	1.01
2½	CH-600-B	4.65	3.35	1.13
3	CH-700-B	5.30	3.90	1.19
3½	CH-800-B	5.75	4.05	1.25
4	CH-900-B	6.40	5.05	1.25





Type CH-050-B

Zinc Cable & Conduit Connectors

For Armored Cable, Flexible Metal Conduit & Metal Clad Cable

Type AC

90° 2-Screw Clamp

Use:
To make a 90° termination of conduit or cable to a knockout or unthreaded slip hole in a dry location box or enclosure.

Features:
- Male hub threads NPS
- All center stopped
- Furnished with locknuts
- Available with insulated throat

Material/Finish:
Zinc Diecast Body
Zinc Plated Steel Cover

Third Party Certification:

AC-90 and AC-95
ACI-90 and ACI-95
UL Listed: E25014
AC-96 & ACI-96
UL Listed: E32539
AC-97 through AC-99
UL Listed: E-163167
AC-250-D through AC-400-D
UL Listed: E-163167

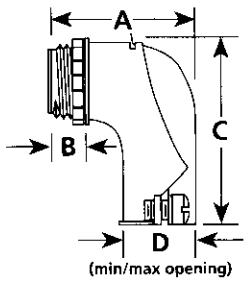
AC-90 through AC-96
ACI-90 through ACI-96
CSA Certified: LR14489
AC-97 through AC-99
CSA Certified: 49636
AC-250-D through AC-400-D
CSA Certified: 49636

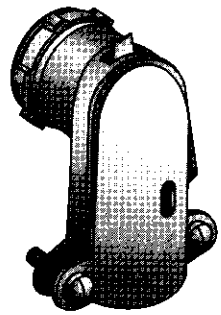
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type I, Class I, Style D, Kind C

Note:
AC-90 and AC-95 listed for use with ⅜" regular wall steel or aluminum flexible conduit. AC-96 listed for use with ¾" regular wall steel or aluminum flexible conduit and reduced wall steel or aluminum flexible conduit.

AC-90, ACI-90, AC-95, and ACI-95 are listed for use with 14-2 AWG through 10-3 AWG steel or aluminum armored cable and AC-95 is listed for use with 8-2 AWG and 8-3 AWG steel or aluminum armored cable.

AC-90 and ACI-90 are listed for use with 14-2 AWG through 10-3 AWG interlocking steel or aluminum metal-clad cable.





Type AC-90

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C	D
⅜*	AC-90	ACI-90	1.12	0.37	1.74	0.43-0.72
½	AC-95	ACI-95	1.51	0.40	2.11	0.64-1.03
¾	AC-96	ACI-96	1.65	0.44	2.40	0.76-1.15
1	AC-97		2.33	0.54	2.87	1.09-1.73
1¼	AC-98		2.75	0.64	4.00	1.34-1.97
1½	AC-985		3.75	0.75	6.00	1.65-2.61
2	AC-99		4.00	0.74	6.00	1.54-2.54
2½	AC-250-D		6.12	0.87	7.19	2.45-2.98
3	AC-300-D		6.70	1.03	7.87	2.93-3.45
3½	AC-350-D		7.50	1.03	9.40	3.28-3.95
4	AC-400-D		8.70	1.03	10.20	3.68-4.42

* ⅜" fits ½" K.O.

Zinc Cable & Conduit Connectors

For Armored Cable, Flexible Metal Conduit & Metal Clad Cable

Type DC-5500

Duplex Single Screw, Clamp Type

Use:
To make a termination of flexible metal conduit to a knockout or unthreaded slip hole in a dry location box or enclosure.

Features:
- Furnished with locknuts.
- Male hub NPS

Material/Finish:
Zinc Diecast

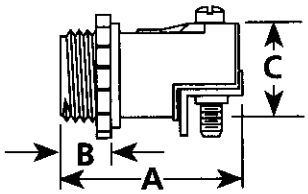
Third Party Certification:
UL Listed: E25014

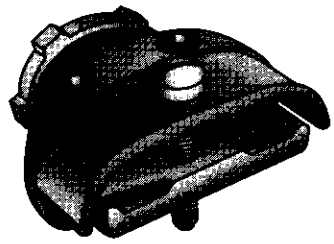
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 1, Class 1, Style B, Kind D

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	DC-5500	1.37	0.38	0.68

* ⅜" fits ½" K.O.





Type DC-5500

Note:

DC-5500 is listed for use with 14-2 AWG through 12-2 AWG steel or aluminum armored cable.

DC-5500 is listed for use with 14-2 AWG (nominal O.D. .425") through 10-3 AWG (nominal O.D. .560") aluminum interlocking metal-clad cable and 14-2 AWG (nominal O.D. .430") through 10-3 AWG (nominal O.D. .565") steel interlocking metal-clad cable, 14-2 AWG (nominal O.D. .380") through 10-3 AWG (nominal O.D. .565") continuous corrugated round aluminum metal clad cable, and 14-2 AWG (nominal .250" x .365") through 12-3 (nominal .280" x .525") continuous corrugated rectangular aluminum metal-clad cable.

Type C-510

2-Screw Connectors

Use:
To terminate regular wall steel or aluminum flexible conduit to a ½" knockout in a dry box or enclosure.

Features:
- End stopped
- Male hub threads NPS
- Provided with locknut

Material/Finish:
Zinc Diecast

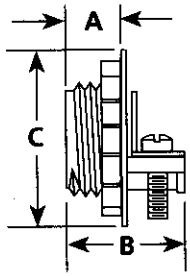
Third Party Certification:
UL Listed: E25014

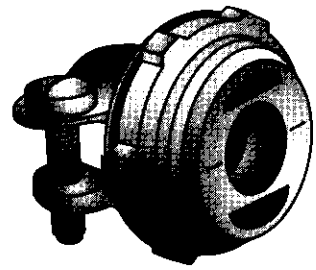
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 1, Class 1, Style B, Kind D.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	C-510	0.37	0.82	0.94

* ⅜" fits ½" K.O.





Type C-510

Note:

C-510 is listed for use with 3/8" regular wall steel or aluminum flexible conduit.

C-510 is listed for use with 14-2 AWG through 10-2 AWG steel or aluminum armored cable.

C-510 is listed for use with 14-2 AWG (nominal O.D. .406" through 10-3 AWG (nominal O.D. .551") aluminum interlocking metal clad cable and 14-2 AWG (nominal O.D. .450") through 10-3 AWG (nominal O.D. .600") steel interlocking metal-clad cable, 14-2 AWG (nominal O.D. .388") through 10-3 AWG (nominal O.D. .500") continuous corrugated round aluminum metal-clad cable, and 14-2 AWG (nominal .250" x .365") through 12-3 (nominal .280" x .490" continuous corrugated rectangular aluminum metal-clad cable.

Zinc Cable & Conduit Connectors

For Armored Cable, Flexible Metal Conduit & Metal Clad Cable

Type FC
Set Screw Type

Use:
To terminate regular wall steel or aluminum flexible conduit to a ½" knockout in a dry location box or enclosure.

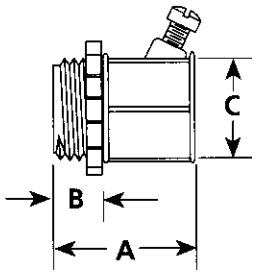
Material:
Zinc Diecast

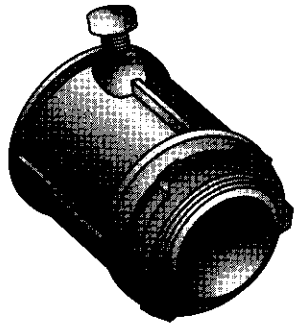
Third Party Certification:
UL Listed: E32539

CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B,
CSA Standard: C22.2 No. 18
NEMA: FB-1.
Fed. Spec: W-F-406D,
Type 1, Class 1, Style A, Kind E.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	FC-5501	1.38	0.38	1.26





Type FC-5501

Type GC
Screw-in

Use:
Screw-in type connectors for flexible metal conduit.

Material:
Zinc Diecast

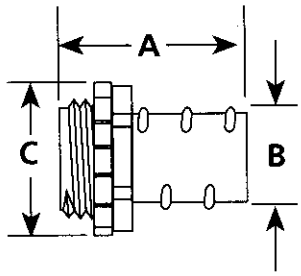
Third Party Certification:
GC-38 through GC-75
UL Listed: E32539
GC-100 through GC-200
UL Listed: E163167
GCI-38 through GCI-75
UL Listed: E32539

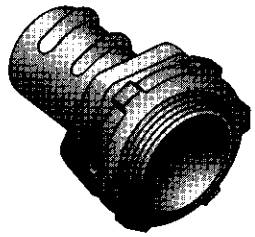
GC-38 through GC-75
CSA Certified: LR14489
GC-100 through GC-200
UL Listed: E30248
GC-100 through GC-200
CSA Certified: 49636
GCI-38 through GCI-75
CSA Certified: LR14489

Applicable Third Party Standards:
Federal Spec: W-F-406D,
Type 1, Class 1, Style A, Kind A.

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
⅜*	GC-38	GCI-38	1.28	0.45	1.12
½	GC-50	GCI-50	1.37	0.72	1.14
¾	GC-75	GCI-75	1.47	0.92	1.39
1	GC-100		1.94	1.12	1.71
1¼	GC-125		2.12	1.41	2.12
1½	GC-150		2.31	1.70	2.37
2	GC-200		2.59	2.18	3.00

*⅜" fits ½" K.O.





Type GC-38

Note:
Cat. No. GC-38 and GC-50 are listed for use with regular wall steel or aluminum flexible conduit. The GC-75 is listed for use with regular wall steel or aluminum and reduced wall steel or aluminum flexible conduit. GC-100 through GC-200 are listed for use with regular wall steel or aluminum flexible conduit.

Zinc Cable & Conduit Connectors

For Armored Cable & Flexible Metal Conduit

Type SC

Straight Squeeze

Use:
These squeeze type connectors are used to terminate flexible metal conduit to a ½" knockout in a dry location box or enclosure.

Features:
- Male hub threads NPS
- Available with insulated throat
- Furnished with locknuts

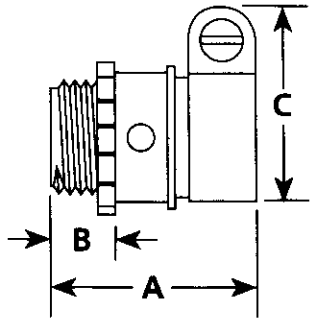
Material/Finish:
Zinc Diecast

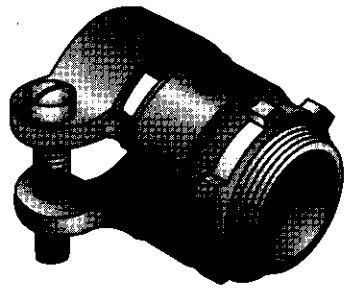
Third Party Certification:
SC-38 through SC-75
UL Listed: E-32539
SC-100 through SC-200
UL Listed: E-163167
SC-250 through SC-400
UL Listed: E60812

SC-38 through SC-75
CSA Certified: LR14489
SC-100 through SC-200
CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 1, Class 1, Style A, Kind F.

Note:
SC-38 and SC-50 listed for use with 3/8" regular wall steel flexible conduit. SC-75 listed for use with 3/4 inch regular wall steel or aluminum flexible conduit and reduced wall steel or aluminum flexible conduit.





Type SC-38

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
⅜*	SC-38		1.04	0.52	1.11
½	SC-50	SCI-50	1.43	0.42	1.43
¾	SC-75	SCI-75	1.55	0.44	1.57
1	SC-100		1.75	0.55	1.97
1¼	SC-125		1.92	0.61	2.23
1½	SC-150		2.09	0.71	2.52
2	SC-200		2.35	0.73	3.06
2½	SC-250		2.89	0.89	3.86
3	SC-300		3.89	1.00	4.42
3½	SC-350		4.24	0.99	4.88
4	SC-400		4.55	1.00	5.46

*⅜" fits ½" K.O.

Zinc Cable & Conduit Couplings

For Armored Cable & Flexible Metal Conduit

Type EFC

Combination Coupling

Use:
A combination coupling to provide a transition from EMT to flexible metallic conduit.

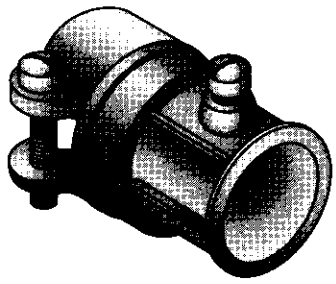
Material/Finish:
Zinc Diecast

Third Party Certification:
UL Listed: E-163167

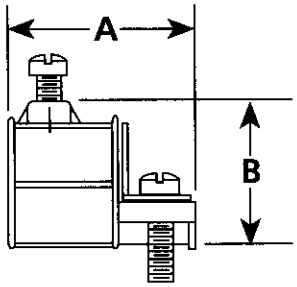
CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D, Type 4, Class 6

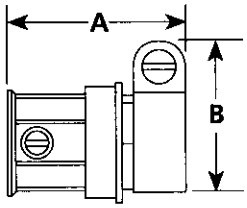
Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½ to ⅜	EFC-50	1.16	1.05
½ to ½	EFC-75	1.64	1.54
¾ to ¾	EFC-100	1.97	1.54



EFC-50



EFC-50



EFC-75 and 100

Zinc Flexible Metal Conduit Couplings

For Flexible Metal Conduit

Type EGC

Combination Coupling
Screw-in/ Compression

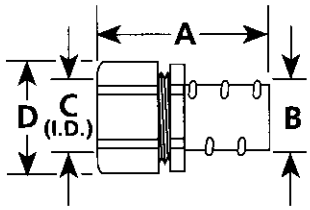
Use:
A combination coupling to provide a transition from EMT to flexible metallic conduit.

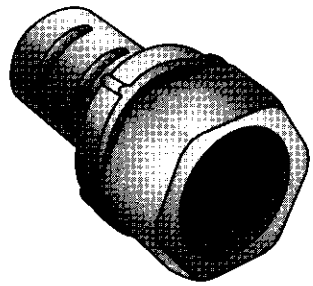
Material/Finish:
Zinc Diecast

Third Party Certification:
UL Listed: E-163167
CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D, Type 4, Class 6

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½ to ½	EGC-50	1.66	0.71
¾ to ¾	EGC-75	1.68	0.92





Type EGC-50

Zinc Cable & Conduit Couplings

For Armored Cable, Flexible Metal Conduit, MC & NM

Type TA-38

Saddle BX Connectors

Use:
To terminate armored cable in a ½" knockout in a dry location box or enclosure.

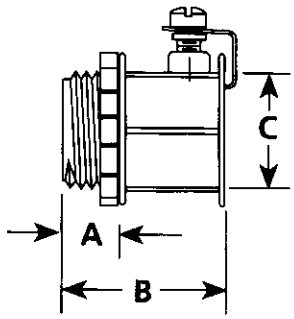
Material:
Zinc Diecast

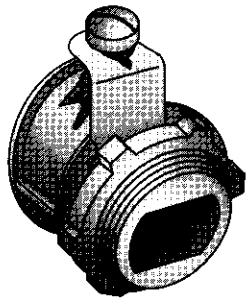
Third Party Certification:
UL Listed: E-25014
CSA Certified: 14489

Applicable Third Party Standards:
Fed. Spec: W-F-406D,
Type 1, Class 1, Style A, Kind D

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	TA-38	0.38	0.48	1.05

*⅜" fits ½" K.O.





Type TA-38

Note:
TA-38 is listed for use with 14-2 AWG (nominal O.D. .406") through 10-3 AWG (nominal O.D. .551") aluminum interlocking metal-clad cable and 14-2 AWG)nominal O.D. .450") through 10-3 AWG (nominal O.D. .600") steel interlocking metal-clad cable.

Type C-550

Set-Screw BX Connectors

Use:
To terminate armored cable in a ½ inch knockout in a dry location box or enclosure.

Material:
Zinc Diecast

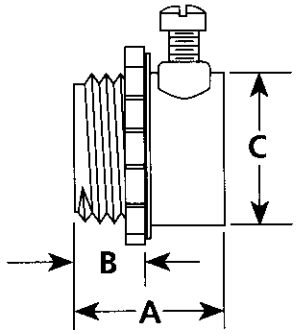
Third Party Certification:
UL Listed: E-25014
CSA Certified: LR14489

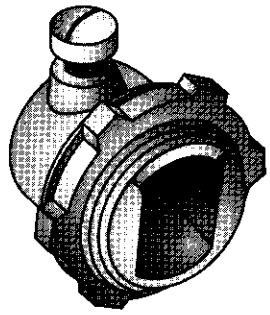
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 1, Class 1, Style A, Kind E

Note:
C-550 is listed for use with 14-2 AWG through 10-2 AWG steel armored cable.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	C-550	0.81	0.38	0.87

*⅜" fits ½" K.O.





Type C-550

Flexible Cord Connectors

Type SRA

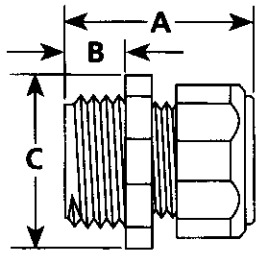
Strain Relief Cord Connectors

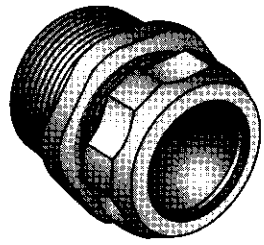
Use:
To seal, provide strain relief and to terminate portable or flexible cords to threaded hubs of a water-tight or liquid-tight location box or enclosure. Types S, SO, ST, STO, SJ, SJT, SJTO, and SVO.

Material/Finish:
Steel/Zinc Plated

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1





Type SRA

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Cable Min.	Cable Max.
½	SRA-350	1.34	0.05	1.04	0.25	0.35
½	SRA-450	1.34	0.48	1.04	0.35	0.45
½	SRA-560	1.34	0.48	1.04	0.45	0.56
¾	SRB-350	1.39	0.54	1.04	0.25	0.35
¾	SRB-450	1.36	0.54	1.04	0.35	0.45
¾	SRB-560	1.35	0.54	1.04	0.45	0.56
¾	SRB-650	1.36	0.54	1.04	0.55	0.65
1	SRC-750	1.77	0.70	1.28	0.65	0.75
1	SRC-850	1.74	0.70	1.25	0.75	0.85
1	SRC-950	1.83	0.70	1.56	0.85	0.95
1	SRC-1050	1.85	0.70	1.63	0.95	1.05

Type NCG

Non-Metallic Strain Relief Cord Connectors

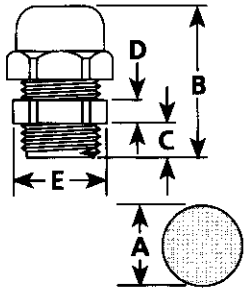
Use:
To seal, provide strain relief, and to terminate flexible or portable cords to slip holes, knockout holes, or threaded hubs of a water-tight or liquid-tight location box or enclosure. Acme threads on nut end of body prevent skipping, speed installation. All nylon construction with the Buna-N gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. Recommend using the smallest maximum diameter fitting that will fit your application.

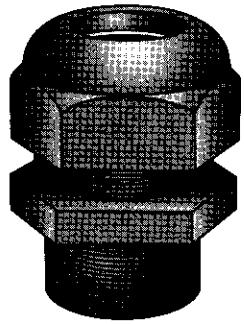
Material/Finish:
Nylon

Third Party Certification:
UL Listed: E-163167

CSA Certified: LR93876

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1





Type NCG

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D	E	Cable Min.	Cable Max.
⅜*	NCG-01	0.67	1.49	0.53	0.20	0.75	.069	.187
⅜*	NCG-02	0.67	1.49	0.53	0.20	0.75	.181	.312
½	NCG-11	0.88	1.72	0.62	0.20	0.95	.170	.470
¾	NCG-21	1.07	1.97	0.63	0.23	1.30	.450	.709
1	NCG-32	1.38	2.42	0.78	0.28	1.66	.590	1.000

*3/8" fits 1/2" K.O.

Ground Clamps

Type GC

Bronze

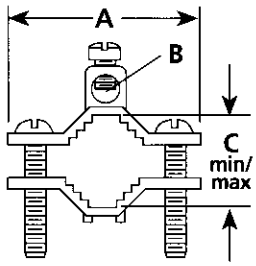
Use:
Ground clamps for bare copper conductor. Can be used on water pipes, conduits, or pipe electrodes. Made of cast bronze alloy 85-5-5-5 copper. For insulated or bare conductor wire, copper AWG #2 through #10. Clamp is reversible.

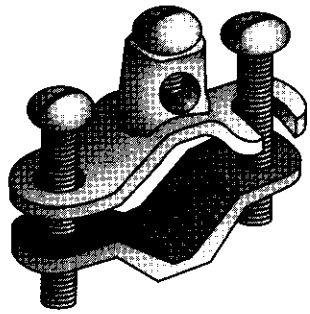
Material/Finish:
Bronze

Third Party Certification:
GC-1 through GC-4
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 467
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 5, Class 7, Style S

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅛-1	GC-1	2.28	0.33	0.70-1.89
1¼-2	GC-2	3.62	0.33	1.38-2.97
2½-4	GC-4	6.38	0.33	2.73-5.94
4½-6	GC-6	8.50	0.30	2.66-7.75





Type GC-1

Type GC

Zinc

Use:
Ground clamps for bare copper conductor. For insulated or bare conductor wire, copper AWG #2 through #8. Clamp is reversible.

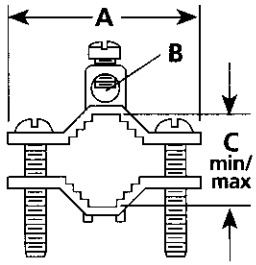
Material:
Casting—Zinc Diecast
Screws—Steel

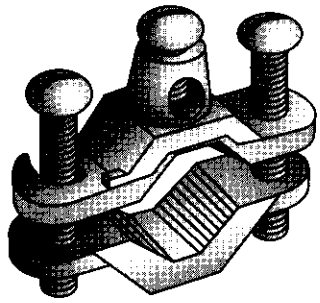
Third Party Certification:
UL Listed: E37337
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 5, Class 7, Style S

Note:
GC-5 is listed for use with ½" through 1" trade size copper water pipe, steel galvanized water pipe and metal gas pipe. UL requires the UL logo be removed on our GC-5B because we provide plating of a material or color different from natural zinc.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅛-1	GC-5	2.22	0.30	0.55-1.56
⅛-1	GC-5B	2.22	0.30	0.55-1.56





Type GC-5

Ground Clamps

Type GC

Direct Burial

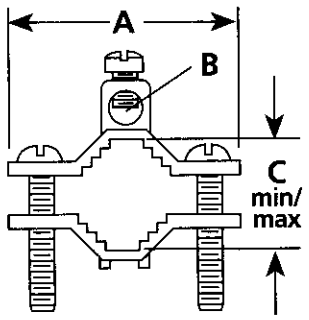
Use:
Ground clamp for bare copper conductor. Can be used on water pipes, conduits or pipe electrodes. Suitable for direct burial.

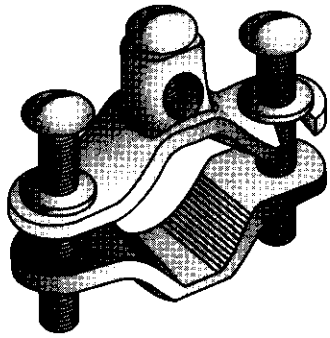
Material/Finish:
Bronze clamps and screws

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 467
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 5, Class 7, Style S

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½-1	GC-1-DB	2.28	0.32	0.70-1.87





Type GC-1-DB

Type RC

Rod

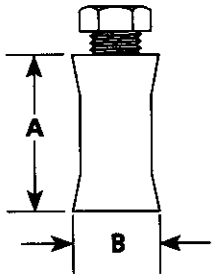
Use:
To terminate bare copper conductor directly to ground rod. Suitable for direct burial applications.

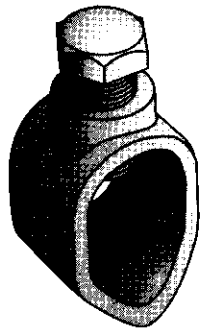
Material/Finish:
Bronze clamp and screw

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 5, Class 7, Style S

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	RC-500	1.22	0.75
⅜	RC-625	1.41	0.90
¾	RC-750	1.47	1.00





Type RC-500

Zinc Grounding Type Insulated Bushings

For Rigid Conduit & IMC

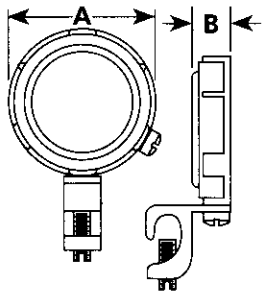
Type GBL

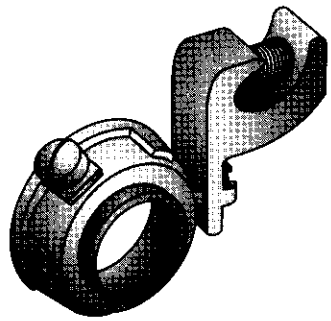
Features:
- Threaded (NPS) for rigid conduit and IMC
- UL temperature rating 150°C.
- Surface friction is low–wires can be pulled with virtually no abrasion on the cable insulation.
- Set-Screw provided with each fitting locks bushing in any desired position.
- UL listed for use with copper or aluminum grounding conductors.

Material/Finish:
Body—Zinc Die Cast
Lug—Aluminum/Tin Plated
Clamping Screw—Steel/Zinc Plated
Set-screws—Steel/Zinc Plated

Third Party Certification:
GBL-100 through GBL-1000
UL Listed: E-163167

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	Wire Range
½	GBL-100	1.04	0.42	4-14
¾	GBL-200	1.32	0.49	4-14
1	GBL-300	1.50	0.50	4-14
1¼	GBL-400	1.95	0.67	1/0-14
1½	GBL-500	2.13	0.65	1/0-14
2	GBL-600	2.71	0.73	1/0-14
2½	GBL-700	3.41	0.93	1/0-14
3	GBL-800	4.10	1.00	1/0-14
3½	GBL-900	4.28	0.75	1/0-14
4	GBL-1000	5.04	1.00	1/0-14





Type GBL

Cable Connectors

For Non-Metallic Sheathed Cable

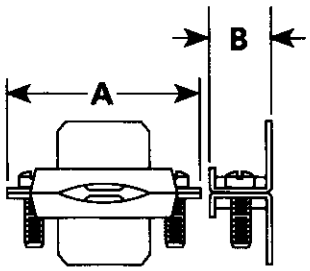
Type RX

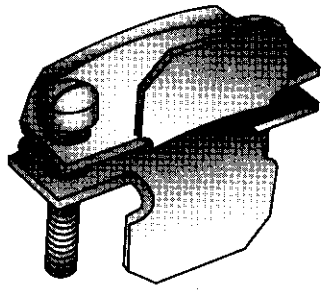
2-Piece Romex Connector

Use:
To terminate one or more nonmetallic sheathed cables to a 1/2 inch knockout in a dry location box or enclosure. Also used in "old work" locations. Material finish is bright zinc plated.

Material/Finish:
Steel/Zinc Plated

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	RX-50	1.33	0.64
¾ or 1	RX-75	1.75	0.76
1¼	RX-125	2.25	0.85
1½ or 2	RX-150	2.73	0.84





Type RX-50

Type NST

Snap-Tite Plastic Romex Connector

Use:
These PVC connectors are used to terminate nonmetallic sheathed cable or flexible cord to ½" knockout in a dry location box or enclosure.

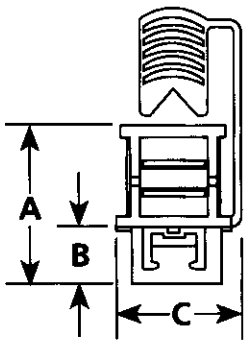
Material/Finish:
PVC

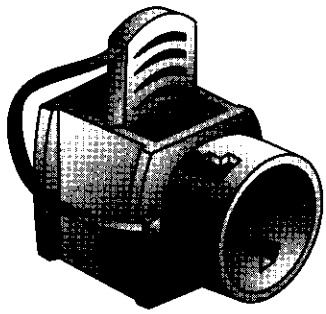
Third Party Certification:
UL Listed: E-163167

CSA Certified: LR96743

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	NST-50	1.37	0.48	1.00





Type NST-50

Note:
NST-50 is listed for use with flexible cord with a diameter range from .300" to .600".

NST-50 is listed for use with one cable ranging from 14-2 AWG with ground through 10-3 AWG with ground nonmetallic sheathed cable; two cables ranging from 14-2 AWG with ground through 12-2 AWG with ground nonmetallic sheathed cable.

Zinc 2-Screw Connectors

For Non-Metallic Sheathed Cable

Type C

Use:
Open throat type for nonmetallic sheathed cable.

Features:
- Furnished with locknuts
- Male hub threads NPS

Material:
Zinc Diecast

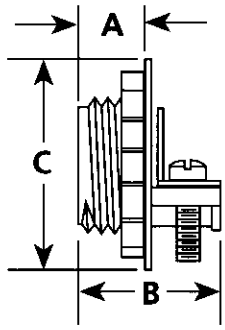
Third Party Certification:
C-500 through C-1001-R
UL Listed: E25015
C-1251-R through C-2001-R
UL Listed: E37336
C-500 and C-1001-R
through C-2001-R
CSA No. LR14489

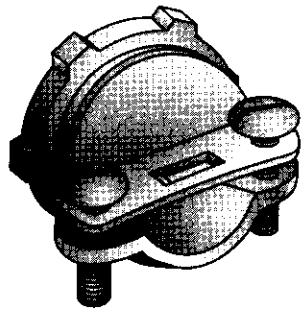
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1.
Fed. Spec: W-F-406D,
Type 1, Class 4, Style M,N; Kind M,N

Note:
C-500 is listed for use with one or two runs of 14-2 AWG with ground through 10-2 AWG with ground nonmetallic sheathed cable, one run of flexible cord with a diameter range of 0.29" through .450"; C-750 is listed for use with 10-3 AWG with ground through 8-3 AWG with ground nonmetallic sheathed cable; C-1000 is listed for use with 8-3 AWG with ground through 6-3 AWG with ground nonmetallic sheathed cable.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	C-500	0.37	0.82	1.12
¾	C-750	0.42	1.03	0.90
1	C-1000	0.57	1.20	1.19
1	C-1001-R	0.62	1.18	1.18

*⅜" fits ½"K.O.





Type C-500

Zinc 2-Screw Connectors

Type C

For Oval Service Entrance Cables

Use:
To terminate oval Type SE or Type SEU cable.

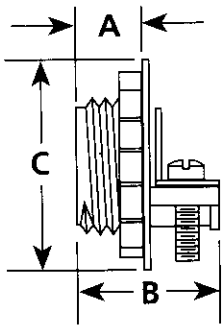
Features:
- Furnished with locknuts.
- Male hub threads NPS

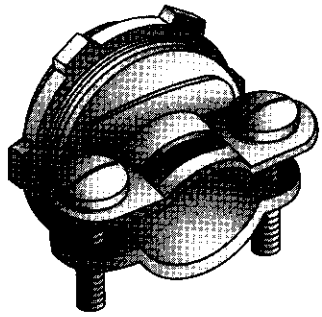
Material:
Diecast Zinc

Third Party Certification:
C-750 and C-1000
UL Listed: E-25015
C-1250 through C-2000
UL Listed: E-37336
C-750 through C-2000
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Note:
C-750 is listed for use with 10-3 AWG with ground through 8-3 AWG with ground nonmetallic sheathed cable; C-1000 is listed for use with 8-3 AWG with ground nonmetallic sheathed cable.





Type C-750

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Cable Range
¾	C-750	0.42	1.03	0.90	8-3, 6-3 SE
1	C-1000	0.57	1.20	1.19	6-3, 4-3 SE
1¼	C-1250	0.64	1.32	1.49	3-3,2-3 SE
1½	C-1500	0.60	1.32	1.75	3-2/0 SE
2	C-2000	0.71	1.55	1.20	3-4/0 SE

Type C-R

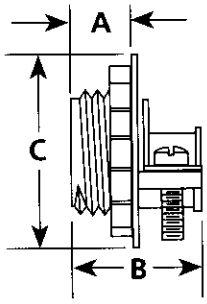
For Round Service Entrance Cables

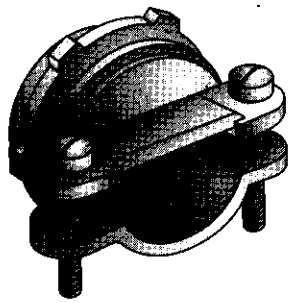
Use:
To terminate round Type SE or Type USE cable to a knockout in dry location box or enclosure.

Material:
Zinc Diecast

Third Party Certification:
C-1001-R - UL Listed: E25015
C-1251-R through C-2001-R
UL Listed: E37336
C-1001-R through C-2001-R
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1





Type C-1001-R

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Cable Range
1	C-1001-R	0.62	1.18	1.18	6-3, 4-3 SER
1¼	C-1251-R	0.64	1.32	1.42	3-3, 2-3 SER
1½	C-1501-R	0.61	1.30	1.75	3-2/0, 3-3/0 SER
2	C-2001-R	0.71	1.58	1.20	4-4/0 SER

Service Entrance Caps

For SE/U Cable

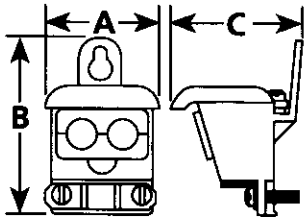
Type SEC

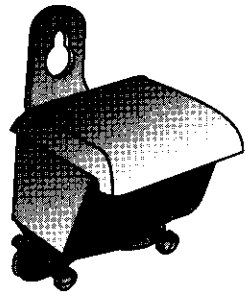
Use:
Water resistant entrance cap for Type SE cable.

Material/Finish:
Zinc Diecast

Third Party Certification:
UL Listed: E-163167
CSA Certified: 49636

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
¾-1	SEC-192	2.05	2.99	2.77
1½-2	SEC-194	3.15	4.50	3.55





Type SEC-192

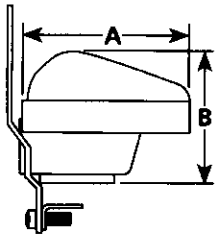
Type PVC

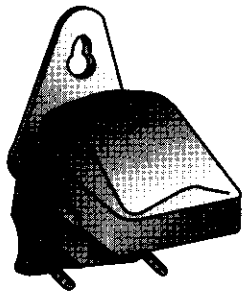
Use:
Wide range. Weather resistant entrance cap for Type SE cable. Cover releases with screwdriver twist. No screws to back out. U-slots eliminate cumbersome 2-piece insulator.

Material/Finish:
PVC

Third Party Certification:
UL Listed: E-163167
CSA Certified: 21831

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
¾-1	PVC-8642	2.76	2.60
1½-2	PVC-3040	4.24	4.00





Type PVC-8642

Service Entrance Caps & Straps

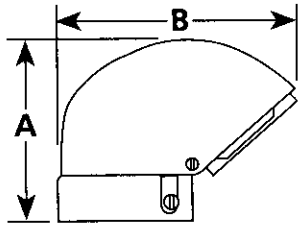
Type 1050

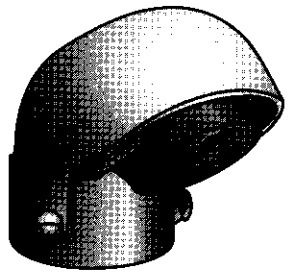
Combination Slipfitter

Use:
Weather resistant entrance cap for service drop conductors.

Material:
Aluminum

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
2 x 1¼	1050	4.05	4.73
2½ x 1	1053	5.18	6.50





Type 1050

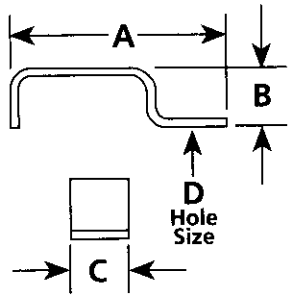
Type 1700

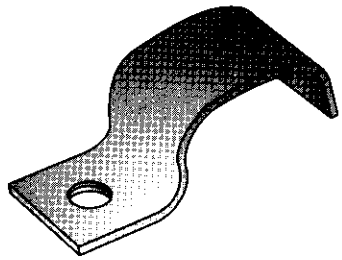
1-Hole Stamped Steel Straps
For SE/U Cable

Use:
One hole strap for securing Type SE or Type USE cables. Material finish is galvanized zinc.

Material/Finish:
Galvanized Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
⅜	1702	1.95	0.67	0.75	¼
⅜	1703	1.94	0.63	0.57	¼
¾, ½	1704	1.70	0.46	0.56	¼
1, ½ or ⅝	1710	2.49	0.82	1.00	5/16
⅜, ½	1740	2.80	0.97	1.00	5/16





Type 1702

Flashings

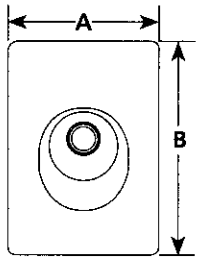
Type NC

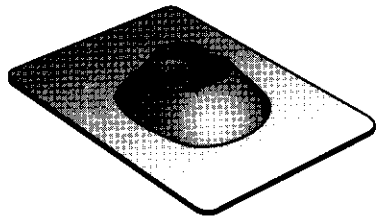
No Caulk Galvanized

Use:
These are used to provide a watertight connection between the roof line and ventilation pipes.

Material:
Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
1¼ - 1½	NC-1069	8.75	12.50
2	NC-1070	8.88	12.50
2½ - 3½	NC-1071	10.75	14.50





Type NC-1069

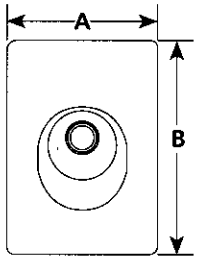
Type 1069-N

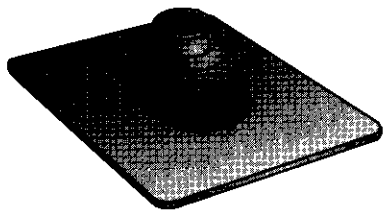
All-Neoprene

Use:
These are used to provide a watertight connection between the roof line and ventilation pipes.

Material/Finish:
Neoprene

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
1¼ - 1½	1069-N	9.00	11.25
2	1070-N	9.00	11.50
2½ - 3½	1071-N	9.00	11.50
3	1072-N	10.00	13.50





Type 1069-N

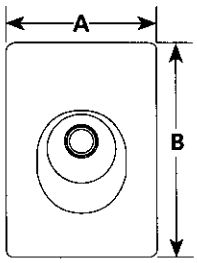
Type 1000

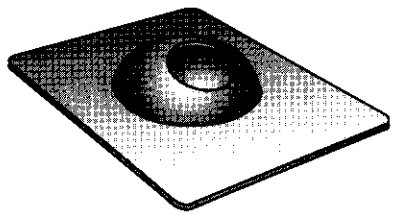
Galvanized with Collar

Use:
To provide added support as well as watertight connection between the roof line and ventilation pipes.

Material/Finish:
Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
2	1070	10.75	14.50
2½	1071	10.75	14.50





Type 1070

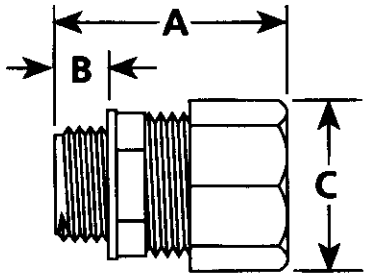
Service Entrance Connectors

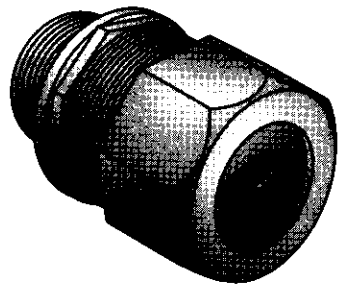
Type UF
For Underground Cable

Use:
Gland type connector for sealing and terminating Type UF cable.

Material/Finish:
Steel

Third Party Certification:
UF-50
UL Listed: E-163167





Type UF

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Cable Range
½	UF-50	1.31	0.50	1.08	14-2 and 12-2 AWG
¾	UF-75*	1.51	0.52	1.33	14-3, 12-3, 10-3 and 8-2 AWG

*Not UL Listed

Type WC
For Oval SE/U Cable

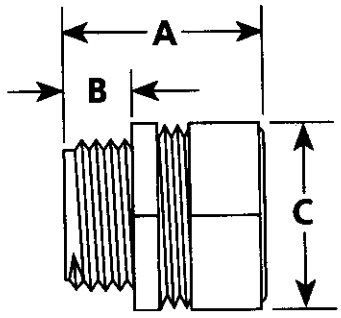
Feature:
- Watertight
- Tapered threaded male hub

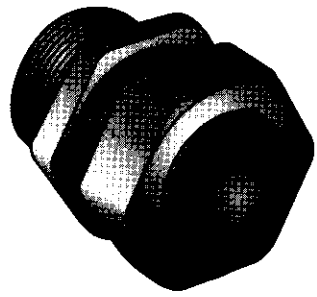
Use:
For terminating and sealing service entrance cable entering an enclosure or conduit hub.

Material/Finish:
Body: Zinc Diecast
Compression Washer: Steel-Zinc Plated

Third Party Certification:
WC-1004 through WC-2004N, except WC-1501 and WC-2001
UL Listed: E37336
WC-1004 through WC-2004N
CSA Certified: LR14489

**Connector Selection: SE dimensions are based upon average dimensions given by various manufacturers of cable. Individual manufacturers vary. Actual dimensions must be checked and proper fittings selected based upon "grommet range minimum" column.





Type WC

Trade Size (inches)	Catalog Number	Grommet Minimum**	Opening Maximum	Dimensions in Inches A	B	C
1	WC-1004	.32 x .50	.40 x .67	1.95	0.72	1.55
1	WC-1006	.40 x .71	.50 x .77	1.95	0.72	1.55
1	WC-1008	.44 x .81	.53 x .81	1.95	0.72	1.55
1¼	WC-1252	.51 x .93	.59 x .98	2.00	0.72	1.92
1¼	WC-1253	.48 x .87	.56 x .92	2.00	0.72	1.92
1¼	WC-1252N	.57 x 1.05	.65 x 1.09	2.00	0.72	1.92
1½	WC-1501	.65 x 1.10	.72 x 1.24	2.42	0.74	2.52
1½	WC-1502	.70 x 1.20	.86 x 1.34	2.42	0.74	2.52
1½	WC-1503	.75 x 1.30	.87 x 1.37	2.42	0.74	2.52
2	WC-2001	.65 x 1.10	.72 x 1.24	2.43	0.74	2.52
2	WC-2002	.70 x 1.20	.86 x 1.34	2.43	0.74	2.52
2	WC-2003	.75 x 1.30	.87 x 1.37	2.43	0.74	2.52
2	WC-2004	.84 x 1.43	.90 x 1.50	2.43	0.74	2.52
2	WC-2004N	.94 x 1.58	1.11 x 1.73	2.43	0.74	2.52

Wire Holders

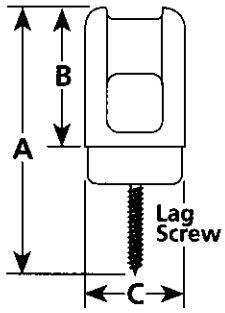
Type 1402

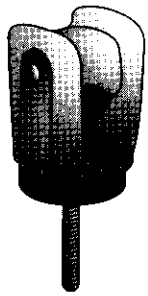
All Porcelain with Lag Screw

Use:
Can be used for indoor applications of 600 volts or less.

Material:
Porcelain

Lag Screw Length (inches)	Catalog Number	Dimensions in Inches A	B	C
2¼	1402	5.36	3.07	1.85





Type 1402

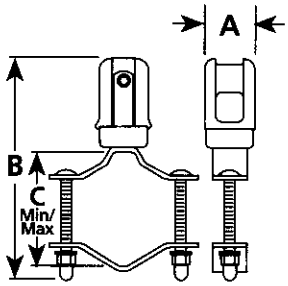
Type 1401

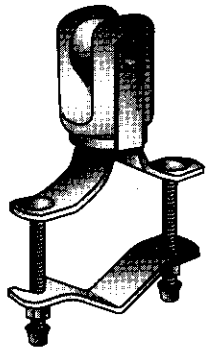
Adjustable with Porcelain Insulator

Use:
Clamp-on adjustable wire holder for SE masts. May be used in other applications requiring insulator attachment to pipe.

Material/Finish:
Porcelain/Steel Clamps

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
1¼ x 2½	1401	1.62	7.25	1.75-4.00





Type 1401

Aluminum Service Entrance Ells

With Cover & Gasket

Type SLB

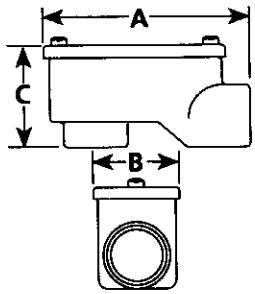
Use:
To provide access to the inside of a service raceway, for wire pulling, where the raceway changes direction. Material finish is metallic gray.

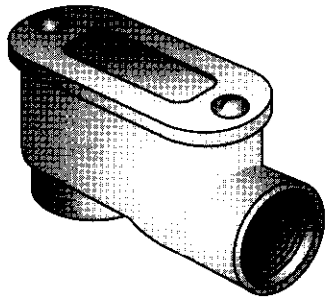
Material/Finish:
Aluminum

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	SLB-50	3.24	1.22	1.42
¾	SLB-75	3.57	1.40	2.68
1	SLB-100	4.25	1.77	1.96
1¼	SLB-125	5.62	2.26	2.43
1½	SLB-150	6.25	2.47	2.35
2	SLB-200	6.75	2.92	2.90





Type SLB-50

Type SLB-XL

Extra Long

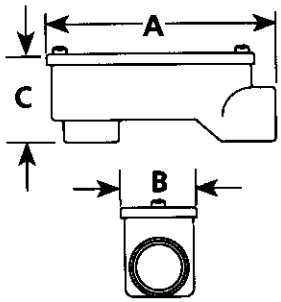
Use:
To provide access to the inside of a service raceway, for wire pulling, where the raceway changes direction.

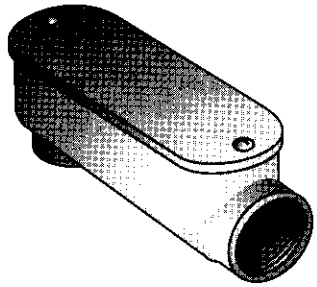
Material/Finish:
Aluminum

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
1¼	SLB-125-XL	7.87	2.56	2.35
2	SLB-200-XL	10.25	3.22	3.32





Type SLB-125-XL

Zinc Liquidtight Connectors

For Liquidtight Flexible Metal Conduit & Type B Non-Metallic Conduit

Type LMM

Straight

Use:
Terminate and seal liquidtight flexible metal conduit to either oiltight, liquidtight or raintight box or enclosure. Connectors can be used with tapered thread female entry or unthreaded knockout using the provided sealing washer and locknut.

Features:
- Furnished with locknut and sealing ring
- Liquidtight/Raintight/Oiltight
- Suitable for grounding (through 1¼")
- Suitable for wet locations

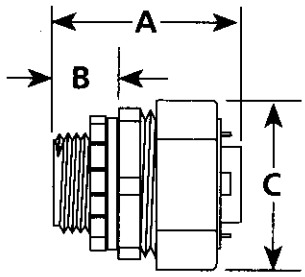
Material/Finish:
Zinc Diecast

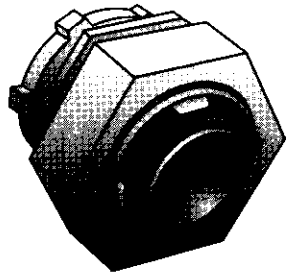
Third Party Certification:

LMM-01 through LMM-61
LMM-02 through LMM-62
UL Listed: E-32539
LMM-71 through LMM-91
LMM-72 through LMM-92
UL Listed: E-163167

LMM-01 through LMM-61
LMM-02 through LMM-62
CSA Certified: LR14489
LMM-71 through LMM-91
LMM-72 through LMM-92
CSA Certified: LR39354

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 1, Class 3, Style 1





Type LMM-01

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C Dia.
⅜*	LMM-01	LMM-02	1.58	0.53	1.18
½	LMM-11	LMM-12	1.52	0.53	1.29
¾	LMM-21	LMM-22	1.69	0.53	1.57
1	LMM-31	LMM-32	2.06	0.58	1.81
1¼	LMM-41	LMM-42	2.06	0.61	2.18
1½	LMM-51	LMM-52	2.09	0.63	2.51
2	LMM-61	LMM-62	2.15	0.63	3.03
2½	LMM-71	LMM-72	3.54	1.02	3.68
3	LMM-81	LMM-82	4.05	1.07	4.38
3½	LMM-85	LMM-86	4.44	1.09	4.98
4	LMM-91	LMM-92	4.99	1.15	5.54

*3/8" fits 1/2" K.O.

Zinc Liquidtight Connectors

For Liquidtight Flexible Metal Conduit & Type B Non-Metallic Conduit

Type LML

90°

Use:
Terminate and seal liquidtight flexible metal conduit, at 90° angle, to either oiltight, liquidtight or raintight box or enclosure. Connectors can be used with tapered thread female entry or unthreaded knockout using the provided sealing washer and locknut.

Features:
- Furnished with locknut and sealing ring
- Liquidtight/Raintight/Oiltight
- Suitable for grounding (through 1¼")
- Suitable for Wet Locations

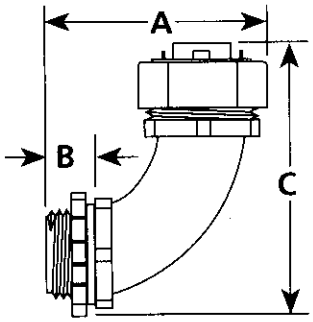
Material/Finish:
Zinc Diecast

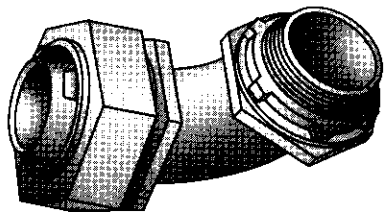
Third Party Certification:

LML-01 through LML-61
LML-02 through LML-62
UL Listed: E-32539
LML-71 through LML-91
LML-72 through LML-92
UL Listed: E-163167

LML-01 through LML-61
LML-02 through LML-62
CSA Certified: LR14489
LML-71 through LML-91
LML-72 through LML-92
CSA Certified: LR39354

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type 1, Class 3, Style K





Type LML-01

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
⅜"	LML-01	LML-02	2.11	0.53	2.53
½	LML-11	LML-12	2.24	0.53	2.46
¾	LML-21	LML-22	2.47	0.55	2.79
1	LML-31	LML-32	3.46	0.58	3.86
1¼	LML-41	LML-42	3.37	0.67	3.99
1½	LML-51	LML-52	4.28	0.61	5.04
2	LML-61	LML-62	4.21	0.71	5.06
2½	LML-71	LML-72	5.75	1.03	7.00
3	LML-81	LML-82	6.00	0.99	7.25
3½	LML-85	LML-86	7.88	1.18	9.00
4	LML-91	LML-92	8.75	1.17	10.00

*3/8" fits 1/2" K.O.

Nylon Liquidtight Connectors

For Type B Non-Metallic Conduit

Type NMM

Straight

Use:
Terminate and seal liquidtight flexible non-metallic conduit, Type B, to either oiltight, liquidtight, or raintight box or enclosure. Connectors can be used with tapered thread female entry or unthreaded knockout using the provided sealing washer and locknut.

Material/Finish:
Nylon

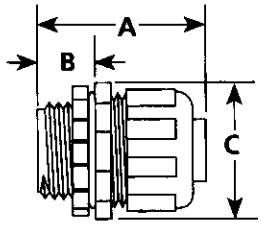
Third Party Certification:
UL Listed: E-163167

CSA Certified: LR81067

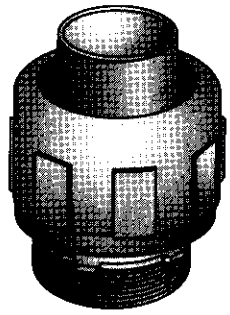
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	NMM-01	2.14	0.62	1.42
½	NMM-11	2.13	0.63	1.42
¾	NMM-21	2.25	0.63	1.66
1	NMM-31	2.52	0.78	1.93

*3/8" fits 1/2" K.O.



Note:
All nylon construction resists salt water, weak acids,gasoline, alcohol, oil, grease and common solvents. No disassembly is required, the installer simply pushes the conduit or tubing onto the ferrule, then tightens the domed sealing nut. This completed assembly can then be assembled to the box or enclosure with the sealing washer and locknut provided. These connectors are reusable.



Type NMM-01

Type NML

90°

Use:
Terminate and seal liquidtight flexible non-metallic conduit, Type B, at a 90° angle, to either oiltight, liquidtight, or raintight box or enclosure. Connectors can be used with tapered thread female entry or unthreaded knockout using the provided sealing washer and locknut.

Material/Finish:
Nylon

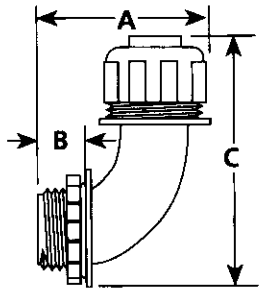
Third Party Certification:
UL Listed: E-163167

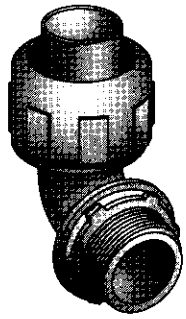
CSA Certified: LR81067

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
⅜*	NML-01	2.00	0.50	3.06
½	NML-11	2.07	0.51	3.19
¾	NML-21	2.28	0.51	3.40
1	NML-31	2.90	0.77	3.40

*3/8" fits 1/2" K.O.





Type NML-01

Zinc Raintight Pulling Ells & PVC Entrance Caps

Threaded for Rigid Conduit & IMC

Type HL
90° Female/Female

Use:
Threaded 90° corner pulling elbows are used to facilitate pulling conductors through a sharp bend in a fun of threaded rigid conduit or IMC. The removable cover gives ample access so that wire pulling can be achieved without any obstructions.

Features:
• Raintight

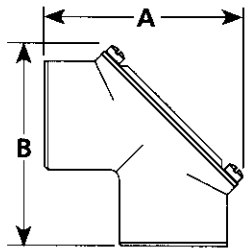
Material/Finish:
Zinc Die Cast

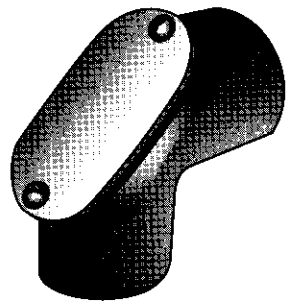
Third Party Certification:
UL Listed: E32539

CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	HL-500	2.10	2.10
¾	HL-750	2.29	2.29





Type HL-500

Aluminum Entrance Caps & Insulated Bushings

Type ECS

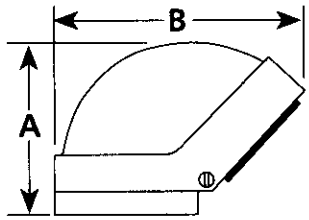
Use:
Set-screw type weather resistant aluminum entrance caps for unthreaded rigid conduit or IMC service masts.

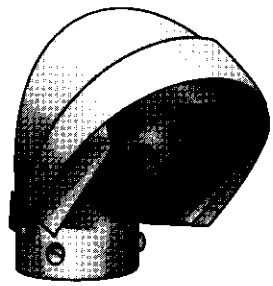
Material:
Aluminum

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
2	ECS-105	5.50	7.00
2½	ECS-106	7.25	10.25
3	ECS-107	8.75	10.75
3½	ECS-108	9.25	13.50
4	ECS-109	9.25	13.50





Type ECS-105

Type GB

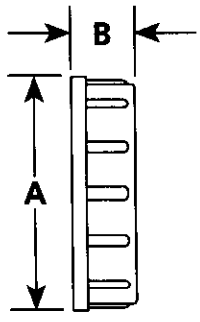
Use:
Used with a locknut to terminate rigid and IMC to a box or enclosure. Plastic insuliner prevents damage to wire insulation. Insuliner rated at 150°C.

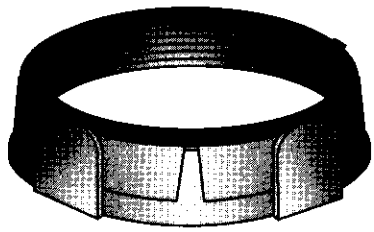
Material:
Zinc

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	GB-100	1.13	0.48
¾	GB-200	1.32	0.49
1	GB-300	1.56	0.62
1¼	GB-400	1.86	0.62
1½	GB-500	2.12	0.62
2	GB-600	2.59	0.62
2½	GB-700	3.39	0.94
3	GB-800	3.84	0.94
3½	GB-900	4.36	0.94
4	GB-1000	4.86	0.94





Type GB

Entrance Caps

Type ECO

Clamp-on Aluminum

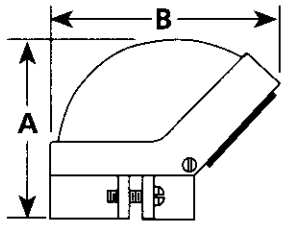
Use:
Clamp type weather resistant aluminum entrance caps for threaded or unthreaded rigid conduit, IMC or EMT service masts.

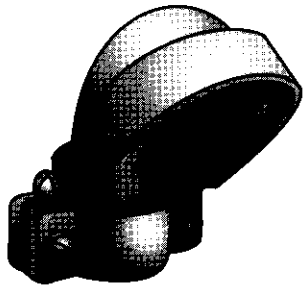
Material:
Aluminum

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	ECO-100	2.70	3.25
¾	ECO-101	2.80	3.64
1	ECO-102	3.40	4.15
1¼	ECO-103	3.32	4.61
1½	ECO-104	4.75	5.79
2	ECO-105	5.75	6.90
2½	ECO-106	7.00	10.50
3	ECO-107	8.50	11.75
3½	ECO-108	8.50	12.25
4	ECO-109	8.75	12.50





Type ECO-100

Type PVC

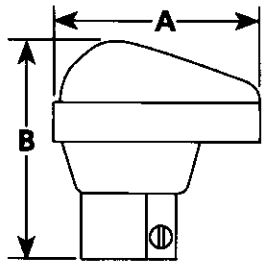
Use:
Weather resistant plastic entrance caps for rigid conduit, IMC, EMT, or PVC conduit service mast. Cover releases with screwdriver twist, no screws to back out. U-slots eliminate cumbersome 2-piece insulator. Complete with E.M.T. adapter.

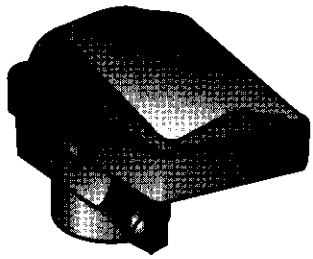
Material/Finish:
PVC

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	PVC-100	2.90	2.63
¾	PVC-101	3.17	3.15
1	PVC-102	3.35	3.11
1¼	PVC-103	3.90	3.70
1½	PVC-104	3.80	3.77
2	PVC-105	6.25	6.50





Type PVC-100

Zinc Rigid Conduit Connectors

For EMT, IMC & Rigid Conduit

Type TC & Type TCI

Set-Screw Style

Use:
Set-screw type connectors are used to secure and terminate steel or aluminum rigid or IMC conduits to knockouts in concretetight or dry location applications. TC-507 through TC-510 are also listed for steel and aluminum EMT. Concretetight when taped.

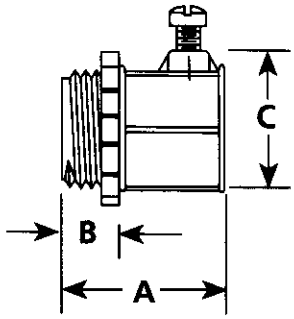
Material/Finish:
Zinc Diecast

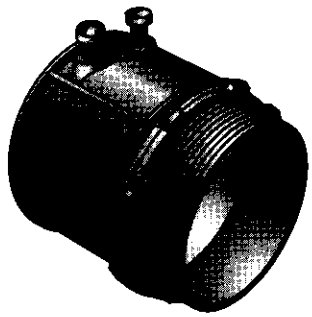
Third Party Certification:
TC-507 through TC-510
UL Listed: E32539

CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E,
Type 2, Class 2, Kind L, Style 1

Note:
TC-507, 508, 509, and 510 are double set-screw.





Type TC-507

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
2½	TC-507	TCI-507	3.10	1.07	3.27
3	TC-508	TCI-508	3.31	1.60	3.91
3½	TC-509	TCI-509	3.56	1.03	4.51
4	TC-510	TCI-510	3.76	1.11	4.97

Type TC & Type TCI

Compression Style

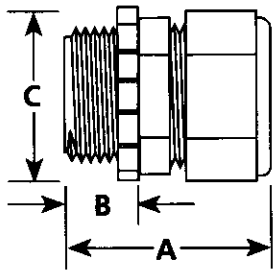
Use:
Compression type connectors are used to secure and terminate steel or aluminum rigid or IMC conduits to knockouts in concretetight box, dry, or damp location applications. TC-607 through TC-610 are also listed for use on steel and aluminum EMT. Concretetight.

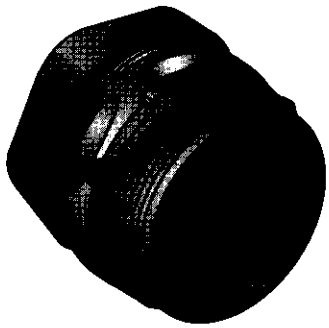
Material/Finish:
Zinc Diecast

Third Party Certification:
UL Listed: E-32539

CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E,
Type 2, Class 2, Kind L, Style 1





Type TC-607

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C
2½	TC-607	TCI-607	2.86	0.99	3.29
3	TC-608	TCI-608	2.90	1.01	3.89
3½	TC-609	TCI-609	2.95	1.10	4.39
4	TC-610	TCI-610	2.73	1.00	4.95

Zinc Rigid Conduit Couplings

For EMT, IMC & Rigid Conduit

Type TC

Set-Screw Style

Use:
Set-screw type couplings are used to join steel or aluminum rigid or IMC conduits in concretetight or dry location applications. TC-517 through TC-520 are also listed for use on steel and aluminum EMT. Concretetight when taped.

Material/Finish:
Zinc Diecast

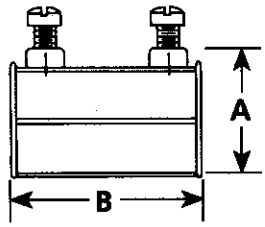
Third Party Certification:
UL Listed: E-32539

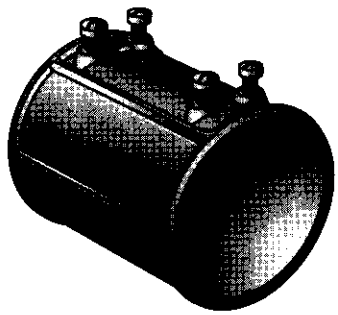
CSA Certified: LR14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E,
Type 2, Class 2, Kind K

Note:
TC-517, 518, 519, and 520 are double set-screw each end.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
2½	TC-517	3.26	4.01
3	TC-518	3.90	4.51
3½	TC-519	4.46	5.00
4	TC-520	4.97	5.26





Type TC-517

Type TC

Compression Style

Feature:
Concretetight

Use:
Compression type couplings are used to join lengths of steel or aluminum Rigid or IMC conduits in concretetight, dry, or damp location applications. TC-617 through TC-620 are also listed for use on steel and aluminum EMT.

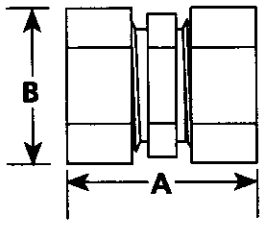
Material/Finish:
Zinc Diecast

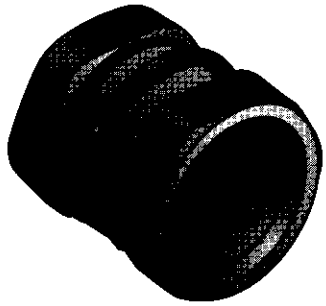
Third Party Certification:
UL Listed: E-32539

CSA Certified: 14489

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-408E,
Type 2, Class 2, Kind K

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
2½	TC-617	3.63	3.27
3	TC-618	3.52	3.89
3½	TC-619	3.77	4.40
4	TC-620	4.06	4.89





Type TC-617

Straps

For Rigid Conduit & IMC

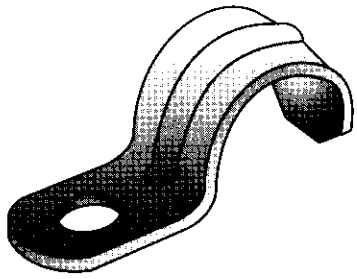
Type 1800

1-Hole Click-On

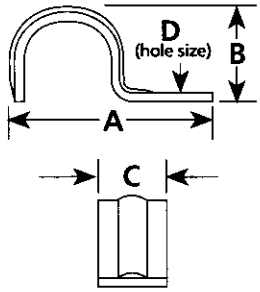
Use:
Click-on type one-hole straps for rigid conduit or IMC. Provides support for the conduits, as required by the National Electrical Code.

Material/Finish:
Steel/Zinc Plated

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
½	1801	1.85	0.80	0.62	¼
¾	1802	1.22	0.92	0.75	¼
1	1803	2.65	1.15	0.87	5/16
1¼	1804	2.98	1.41	0.99	⅜
1½	1805	3.51	1.61	1.00	7/16
2	1806	4.17	1.97	1.14	17/32
2½	1807	4.99	2.85	1.24	17/32
3	1808	5.55	3.47	1.25	17/32
3½	1809	6.25	4.10	1.25	17/32
4	1810	7.00	4.51	1.26	17/32



Type 1801



Type TH-1800

2-Hole Snap-On

Use:
Snap-on type two-hole straps for rigid conduit and IMC are used where higher load bearing supports are desired.

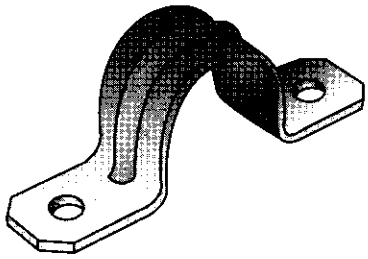
Material/Finish:
Steel/Zinc Plated

Third Party Certification:
UL Listed: E-163167

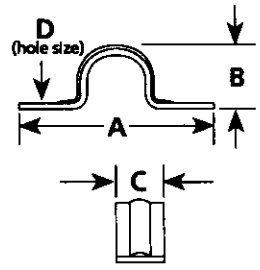
CSA Certified: LR104691

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	D
½	TH-1801	2.47	0.86	0.62	3/16
¾	TH-1802	2.82	1.10	0.68	3/16
1	TH-1803	3.38	1.27	0.75	¼
1¼	TH-1804	4.00	1.68	0.86	¼
1½	TH-1805	4.24	1.67	0.87	¼
2	TH-1806	4.44	1.98	0.94	⅜
2½	TH-1807	5.19	2.87	0.98	⅜
3	TH-1808	6.37	3.56	0.99	⅜
3½	TH-1809	7.37	4.05	1.00	7/16
4	TH-1810	8.12	4.51	1.00	7/16



Type TH-1801



Insulating Bushings

Type PB

Use:
Threaded plastic bushings are used at the end of threaded conduit, or conduit connector, to provide smooth well rounded bearing surface for wires or cables as required by the National Electrical Code. Temperature rating is 105° C.

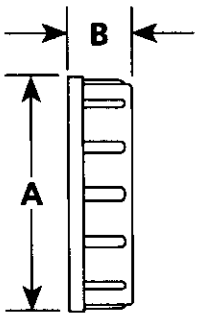
Material/Finish:
Polypropylene

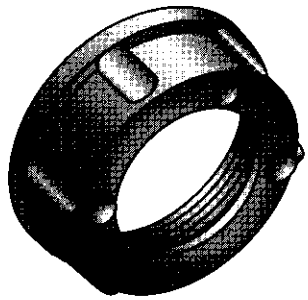
Third Party Certification:
PB-100-D through PB-1200-D
UL Listed: E-163167

PB-100-D through PB-1200-D
CSA Certified: LR34988

Applicable Third Party Standards:
UL Standard: 514C
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	PB-100-D	1.03	0.37
¾	PB-200-D	1.28	0.39
1	PB-300-D	1.65	0.50
1¼	PB-400-D	2.10	0.49
1½	PB-500-D	2.28	0.49
2	PB-600-D	2.66	0.54
2½	PB-700-D	3.31	0.63
3	PB-800-D	3.95	0.70
3½	PB-900-D	4.41	0.71
4	PB-1000-D	4.94	0.73
5	PB-1100-D	6.38	1.00
6	PB-1200-D	7.50	0.99





Type PB

Standard Conduit Locknuts

Type L-D

Diecast

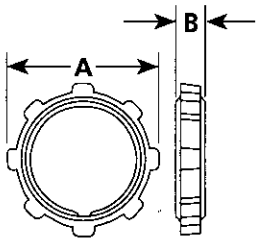
Use:
Conduit locknuts for securing threaded conduit or connectors with tapered or straight thread, to a knockout or unthreaded slip hole.

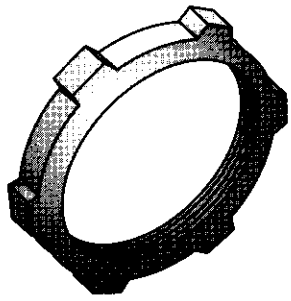
Material:
Diecast Zinc

Third Party Certification:
UL Listed: E-32539

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	L-100-D	1.12	0.19
¾	L-200-D	1.39	0.19
1	L-300-D	1.72	0.17
1¼	L-400-D	2.08	0.17
1½	L-500-D	2.32	0.18
2	L-600-D	2.98	0.18
2½	L-700-D	3.43	0.30
3"	L-800-D	4.07	0.31
3	L-900-D	4.62	0.31
4"	L-1000-D	5.25	0.31





Type L-100-D

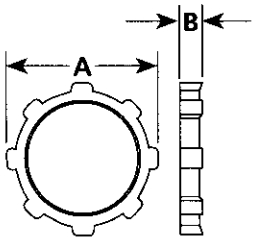
Type L

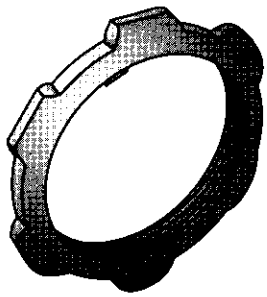
Steel

Use:
Conduit locknuts for securing threaded conduit or connectors with tapered or straight thread, to a knockout or unthreaded slip hole.

Material/Finish:
Zinc Plated Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	L-100	1.13	0.13
¾	L-200	1.40	0.13
1	L-300	1.72	0.15
1¼	L-400	2.08	0.15
1½	L-500	2.40	0.16
2	L-600	2.90	0.17
2½	L-700	3.48	0.19
3	L-800	4.13	0.18
3½	L-900	4.70	0.20
4	L-1000	5.32	0.20
5	L-1100	6.38	0.42
6	L-1200	7.75	0.43





Type L-100

Standard Conduit Locknuts

Type GL

Bonding Wedge

Features:
Threaded for rigid conduit and IMC

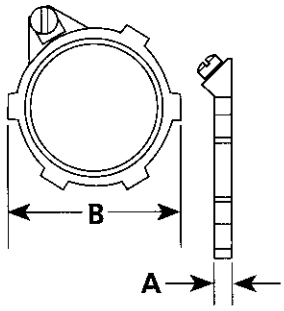
Use:
Used with bushings to bond threaded rigid conduit and IMC to boxes, cabinets or other enclosures where locknut is exposed.

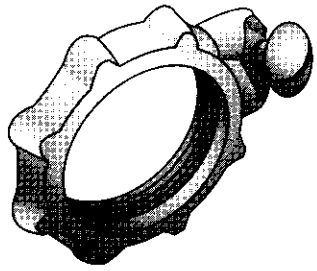
Material/Finish:
Steel/Zinc

Third Party Certification:
UL Listed: E163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	GL-100-D	0.24	1.24
¾	GL-200-D	0.23	1.42
1	GL-300-D	0.24	1.70
1¼	GL-400-D	0.27	2.13
1½	GL-500-D	0.20	2.36
2	GL-600-D	0.25	2.93
2½	GL-700-D	0.25	3.41
3	GL-800-D	0.26	4.19
3½	GL-900-D	0.26	4.72
4	GL-1000-D	0.26	5.32





Type GL-100

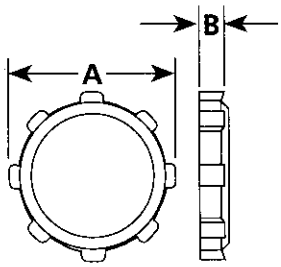
Type LS

Bonded with Neoprene Gasket

Use:
Sealing locknuts provide a raintight seal when securing threaded conduit or connectors with tapered or straight thread, to a knockout or unthreaded slip hole of a box or enclosure.
Installed as per the National Electrical Code Article 345-Intermediate Metal Conduit and Article 346-Rigid Metal Conduit.

Material/Finish:
Stamped Steel/Zinc Plated
Neoprene Gasket

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	LS-100	1.13	0.23
¾	LS-200	1.40	0.26
1	LS-300	1.72	0.27
1¼	LS-400	2.07	0.29
1½	LS-500	2.37	0.30
2	LS-600	2.89	0.33
2½	LS-700	3.44	0.34
3	LS-800	4.12	0.36
3½	LS-900	4.68	0.40
4	LS-1000	5.24	0.40



Type LS-100

Zinc Offset Nipples

For Rigid Conduit

Type RN

3/4" Offset

Use:
To provide on offset connection between two cabinets or enclosures.

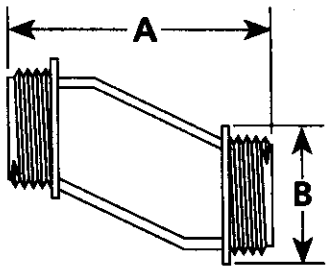
Material/Finish:
Zinc Diecast

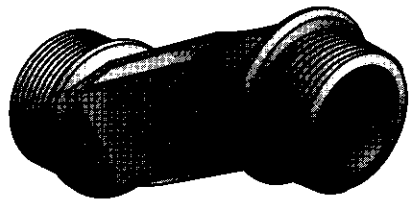
Third Party Certification:
UL Listed: E-163167

CSA Certified: 49636

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	RN-50	2.45	0.94
¾	RN-75	2.60	1.15
1	RN-100	2.76	1.40
1¼	RN-125	2.90	1.84
1½	RN-150	3.05	2.06
2	RN-200	3.23	2.66





Type RN-50

3-Piece Rigid Conduit Couplings

Type TPC

Use:
Provides threaded coupling between lengths of conduit or conduit and conduit elbows, where neither can be rotated.

Material/Finish:
TPC-50 through TPC-100
Zinc Diecast
TPC-125 through TPC-400
Malleable Iron/Zinc Plated

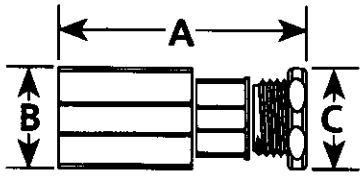
Third Party Certification:
TPC-50 through TPC-400
UL Listed: E-163167

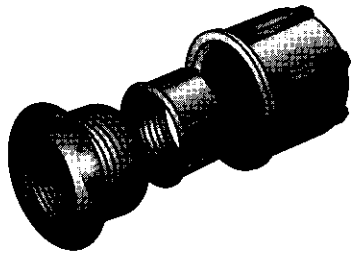
TPC-50 through TPC-100
CSA Certified: 49636M3
TPC-125 through TPC-400
CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	TPC-50	1.36	1.30	1.20
¾	TPC-75	1.63	1.57	1.30
1	TPC-100	1.70	2.13	1.88
1¼	TPC-125*	2.12	2.44	2.14
1½	TPC-150*	2.00	2.89	2.61
2	TPC-200*	2.38	3.41	3.13
2½	TPC-250*	2.54	4.03	3.91
3	TPC-300*	2.56	4.60	4.36
3½	TPC-350*	2.54	4.61	4.37
4	TPC-400*	3.94	5.61	5.10

*Malleable Iron





Type TPC-50

Aluminum Threaded Conduit Bodies

For Rigid Conduit & IMC

Types:
LL, LR, LB, LC, TC

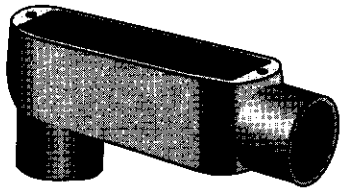
Use:
For threaded rigid conduit or IMC. Provides access to the interior of the raceway for wire pulling, splicing (with limitations as specified in the National Electrical Code), and maintenance.

Material/Finish:
Aluminum

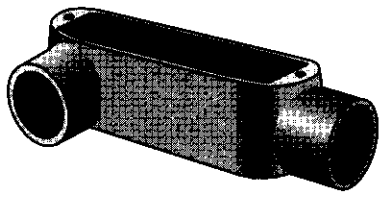
Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard: 514B
NEMA: FB-1

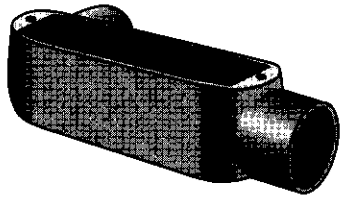
Trade Size (inches)	Catalog Number
½	LB-50-D
¾	LB-75-D
1	LB-100-D
1¼	LB-125-D
1½	LB-150-D
2	LB-200-D
2½	LB-250-D
3	LB-300-D
3½	LB-350-D
4	LB-400-D
½	LR-50-D
¾	LR-75-D
1	LR-100-D
1¼	LR-125-D
1½	LR-150-D
2	LR-200-D
½	LL-50-D
¾	LL-75-D
1	LL-100-D
1¼	LL-125-D
1½	LL-150-D
2	LL-200-D
½	LC-50
¾	LC-75
1	LC-100
1¼	LC-125
1½	LC-150
2	LC-200
½	TC-50
¾	TC-75
1	TC-100
1¼	TC-125
1½	TC-150
2	TC-200



Type LB-50-D



Type LR-50-D



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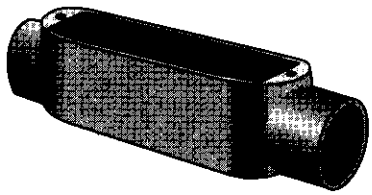
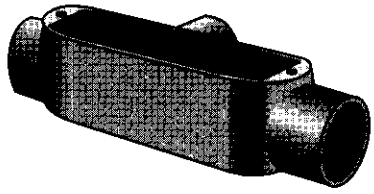


Type LC-50



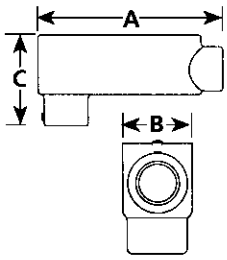
Type TC-50

Aluminum Threaded Conduit Bodies

For Rigid Conduit & IMC

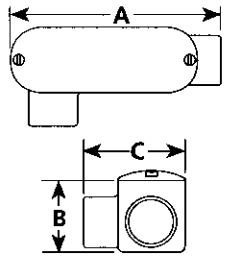
Dimensional Data:

Type LB



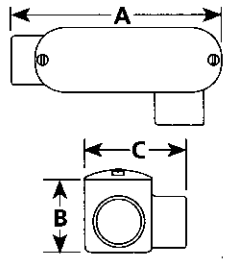
Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	LB-50-D	4.41	1.37	2.16
¾	LB-75-D	5.10	1.57	2.45
1	LB-100-D	5.94	1.78	2.75
1¼	LB-125-D	7.88	2.56	3.56
1½	LB-150-D	7.88	2.59	3.75
2	LB-200-D	10.25	3.18	4.30
2½	LB-250-D	12.63	4.38	4.50
3	LB-300-D	12.63	4.38	5.63
3½	LB-350-D	15.63	5.50	6.88
4	LB-400-D	15.63	5.50	6.88

Type LR



Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	LR-50-D	4.38	1.32	2.00
¾	LR-75-D	5.00	1.63	2.38
1	LR-100-D	6.00	1.75	2.50
1¼	LR-125-D	7.88	2.50	3.38
1½	LR-150-D	7.88	2.50	3.38
2	LR-200-D	10.25	3.13	3.88

Type LL



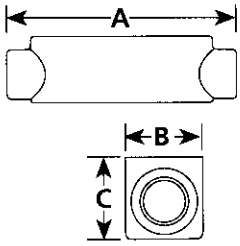
Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	LL-50-D	4.32	1.25	2.00
¾	LL-75-D	5.13	1.50	2.38
1	LL-100-D	6.00	1.75	2.50
1¼	LL-125-D	8.00	2.50	3.38
1½	LL-150-D	8.00	2.50	3.38
2	LL-200-D	10.25	3.38	3.88

Aluminum Threaded Conduit Bodies

For Rigid Conduit & IMC

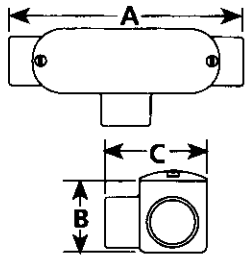
Dimensional Data:

Type LC



Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	LC-50	4.88	1.25	1.50
¾	LC-75	5.63	1.50	1.32
1	LC-100	6.50	1.75	1.88
1¼	LC-125	8.38	2.50	2.75
1½	LC-150	8.50	2.50	2.88
2	LC-200	10.75	3.13	3.25

Type TC



Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
½	TC-50	4.88	1.25	2.13
¾	TC-75	5.63	1.50	2.38
1	TC-100	6.44	1.75	2.63
1¼	TC-125	8.50	2.50	3.50
1½	TC-150	8.50	2.50	3.50
2	TC-200	11.38	3.13	4.32

Aluminum Conduit Body Accessories

For Rigid Conduit & IMC

Type CC

Aluminum Covers

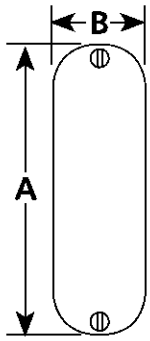
Use:
Cover for LB, LR, LL, LC and TC Series conduit body.

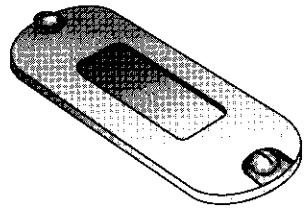
Material/Finish:
Aluminum

Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard:514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	CC-50	3.90	1.37
¾	CC-75	4.70	1.60
1	CC-100	5.40	1.78
1¼ & 1½	CC-125	7.25	2.52
2	CC-200	9.50	3.11
2½ & 3	CC-250	12.13	4.45
3½ & 4	CC-400	14.94	5.50





Type CC-50

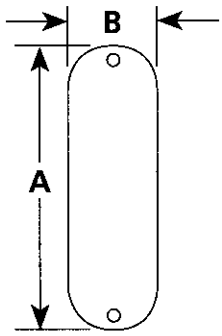
Type FG

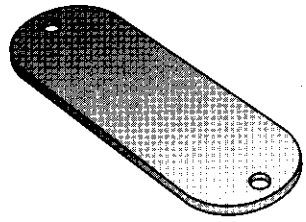
Fibre Gaskets

Use:
Cover gasket to provide sealing for LB, LR, LL, LC and TC Series conduit body.

Material/Finish:
Fibre material

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	FG-50	3.90	1.37
¾	FG-75	4.60	1.56
1	FG-100	5.34	1.73
1¼ & 1½	FG-125	7.25	2.51
2	FG-200	9.50	3.05
2½ & 3	FG-250	12.13	4.39
3½ & 4	FG-400	14.88	5.43





Type FG-50

Zinc Bushed Conduit Nipples

Type CNN

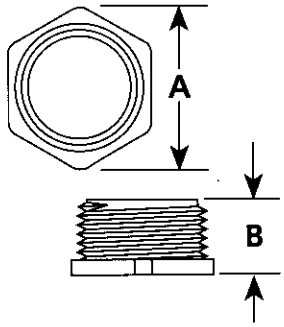
Use:
Use through knockout to connect box to conduit coupling. Use with a locknut to connect two boxes side by side or back to back. Use with a locknut to connect fixture housings to continuous runs.

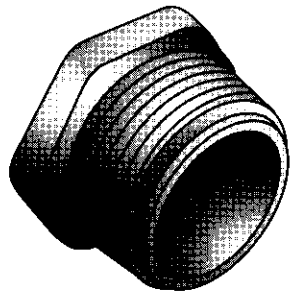
Features:
- With rigid conduit threads (NPS)
- Available with insulated throat

Material/Finish:
Zinc Die Cast

Third Party Certification:
CNN-100 through CNN-600
UL Listed: E-32539
CNN-700 through CNN-1000
UL Listed: E-163167
CNN-100 through CNN-600
CSA Certified: LR14489
CNN-700 through CNN-1000
CSA Certified: 49636

Applicable Third Party Standards:
UL Standard:514B
CSA Standard: C22.2 No. 18
NEMA: FB-1





Type CNN-100

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B
½	CNN-100	CNI-100	0.95	0.62
¾	CNN-200	CNI-200	1.20	0.76
1	CNN-300	CNI-300	1.42	0.87
1¼	CNN-400	CNI-400	1.78	0.94
1½	CNN-500	CNI-500	2.12	0.94
2	CNN-600	CNI-600	2.67	1.09
2½	CNN-700		3.15	1.37
3	CNN-800		3.80	1.45
3½	CNN-900		4.30	1.48
4	CNN-1000		4.80	1.45

Reducing Bushings & Washers

Type RB

Reducing Bushing Flush Type

Use:
To reduce the trade size of a tapered entry on a conduit fitting.

NOTE: For larger sizes use O-Z/Gedney Type RB

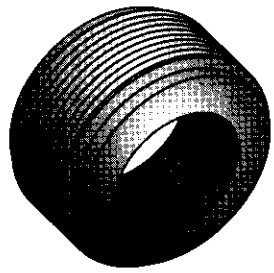
Features:
• Threaded for rigid conduit and IMC

Material/Finish:
Steel/Zinc Plated

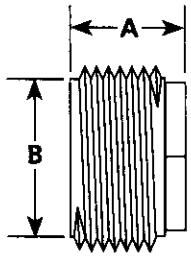
Third Party Certification:
UL Listed: E-163167

Applicable Third Party Standards:
UL Standard:514B
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
1 x ½	RB-3	0.71	1.28
1 x ¾	RB-4	0.70	1.27
1¼ x ½	RB-5	0.71	1.62
1¼ x ¾	RB-6	0.82	1.62
1¼ x 1	RB-7	0.82	1.63
1½ x ½	RB-8	0.85	1.87
1½ x ¾	RB-9	0.85	1.88
1½ x 1	RB-10	0.87	1.87
1½ x 1¼	RB-11	0.85	1.87
2 x ½	RB-12	0.97	2.33
2 x ¾	RB-13	0.98	2.34
2 x 1	RB-14	1.00	2.34
2 x 1¼	RB-15	0.97	2.34
2 x 1½	RB-16	0.99	2.34



Type RB



Type RWN

Reducing Washer

Use:
Reduce knockout size on sheet metal box, enclosure or cabinet.

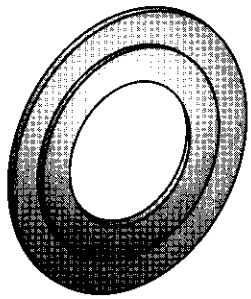
NOTE: Two reducing washers are required for each knockout.

Material/Finish:
Galvanized Steel

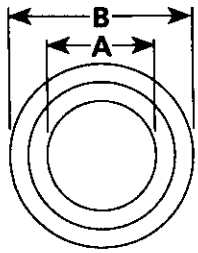
Third Party Certification:
UL Listed: E-163167
CSA Certified: LR104691

Applicable Third Party Standards:
CSA Standard C.22.2 No. 18

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
¾ x ½	RWN-503	0.88	1.44
1 x ½	RWN-504	0.88	1.75
1 x ¾	RWN-505	1.11	1.75
1¼ x ½	RWN-506	0.88	2.19
1¼ x ¾	RWN-507	1.11	2.19
1¼ x 1	RWN-508	1.37	2.19
1½ x ½	RWN-509	0.88	2.50
1½ x ¾	RWN-510	1.11	2.50
1½ x 1	RWN-511	1.37	2.50
1½ x 1¼	RWN-512	1.73	2.50
2 x ½	RWN-513	0.88	3.00
2 x ¾	RWN-514	1.11	3.00
2 x 1	RWN-515	1.37	3.00
2 x 1¼	RWN-516	1.73	3.00
2 x 1½	RWN-517	1.98	3.00



Type RWN



Electrical Tape, Nail Straps, Cable Straps

Type CU

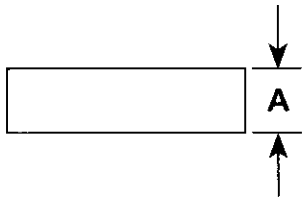
Plastic Electrical Tape

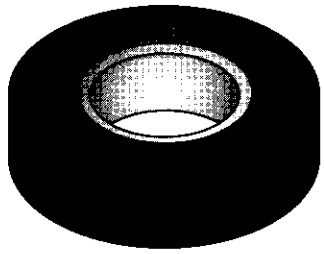
Use:
Suitable for use at not more than 600V and not more than 80°C/176°F.

Material/Finish:
Plastic

Third Party Certification:
UL Listed: E-163167

Trade Size (feet)	Catalog Number	Dimensions in Inches A
60 ft. roll	CU-360	0.75





Type CU-360

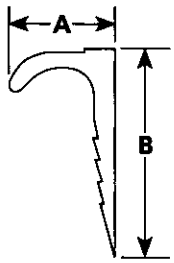
Type NS

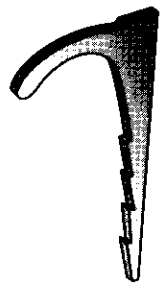
Nail Straps

Use:
To secure EMT to wooden structure members. Use in place of one hole straps.

Material/Finish:
Zinc Plated Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	NS-901	1.19	2.07
¾	NS-902	1.23	2.07
1	NS-903	1.54	2.25





Type NS-901

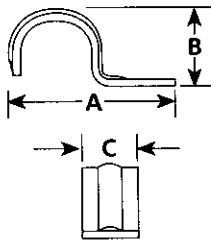
Type MS & Type BX

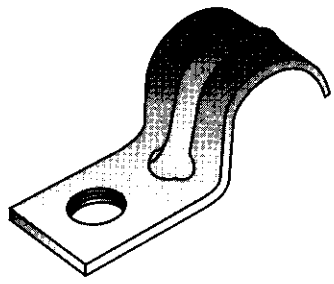
Armored Cable Straps

Use:
These one hole straps provide support for runs of armored cable, made of galvanized stamped steel.

Material/Finish:
Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
¼	MS-4	1.00	0.50	0.27
⅜	BX-50	1.28	0.50	0.49
½	BX-75	1.35	0.62	0.61





MS-4

Anti-Short Bushings & Cable Staples

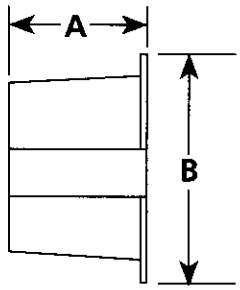
Type AS

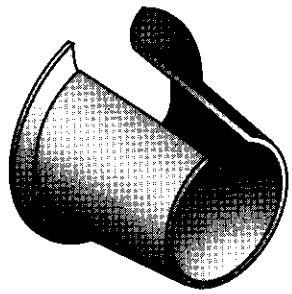
Thermoplastic

Use:
These anti-short bushings are used in the terminations of flexible metal conduit and armored cables. Inserted into I.D. of each termination point to protect the conductors from the sharp edges of the raceway where cut.

Material/Finish:
Plastic

Third Party Certification:
CSA Certified: LR24719





Type AS-0

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	For Cable Sizes
Bagged (Packed in Printed Polybags)				
5/16	AS-0-100	0.57	0.64	14-2, 14-3, 12-2, Armored Cable; 5/169 Flexible Conduit
3/8	AS-1-100	0.67	0.66	14-4, 12-3, 6-1, 4-1, Armored Cable; 3/89 Flexible Conduit
7/16	AS-2-100	0.61	0.82	12-4, 10-2, 10-3, 2-1, Armored Cable; 7/169 Flexible Conduit
1/2	AS-3-50	0.67	0.94	10-4, 8-2, 8-3, 1-1, Armored Cable; 1/29 Flexible Conduit
3/4	AS-4-50	0.79	1.16	8-4, 6-2, 6-3, Armored Cable; 3/49 Flexible Conduit

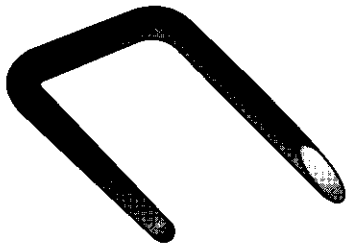
Type SN

Cable Staples

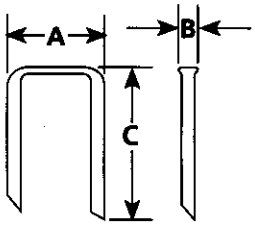
Use:
To secure non-metallic sheathed cable and SE/U to wooden structure members per NEC Article 336-15.

Material/Finish:
Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
NMC 2-Cond. 12 & 14				
1 x 1/2	SN-400	0.73	0.13	1.12
1 x 1/2	SN-405	0.73	0.13	1.12
1 x 1/2	SN-410	0.73	0.13	1.12
NMC 3-Cond. 10-12 & 14 Wire				
1 1/4 x 9/16	SN-1000	0.80	0.14	1.37
1 1/4 x 9/16	SN-1050	0.80	0.14	1.37
1 1/4 x 9/16	SN-1100	0.80	0.14	1.37
SE/U 3-Cond. No. 6				
1 3/8 x 13/16	SN-3000	1.30	0.26	1.32



Type SN



Beam Clamps, Jack Chain, S Hooks

Type BC

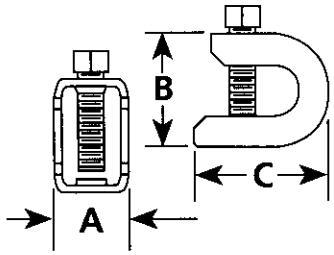
Beam Clamps

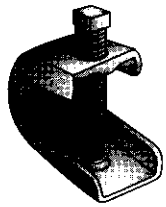
Use:
Clamp on to structure member to provide mounting means for the attachment of conduit hangers-either directly or by means of threaded rod. BC-250 and BC-251 are stamped steel, BC-260 is malleable iron.

Material/Finish:
BC-250-Stamped Steel/Zinc Plated
BC-260-Malleable Iron/Zinc Plated

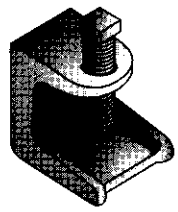
Note:
¼-20 threaded holes
BC-251 has ⅜-16 threaded holes

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
1¼ x 5/16-18	BC-250	0.90	1.44	1.68
1½ x ⅜-16	BC-251	0.90	1.44	1.68
1¼ x 5/16-18	BC-260	1.10	1.39	2.35





Type BC-250



Type BC-260

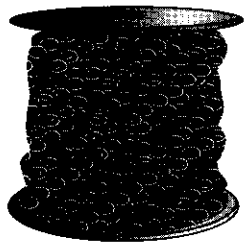
Type JC

Steel Jack Chain

Use:
For suspending lighting fixtures, etc. standard weight maximum working load: 29#

Material/Finish:
Galvanized Steel

Trade Size (inches)	Catalog Number	
No.12	JC-12-S	100 ft. Spool



Type JC-12-S

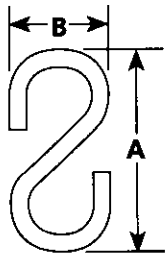
Type SH

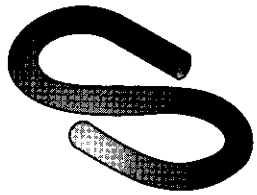
Standard and Heavy S

Use:
For terminating end of jack chain, used to suspend lighting fixtures, etc.

Material/Finish:
Steel/Zinc Plated

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
.1009 dia	SH-100-D	1.22	0.66
.1429 dia.	SH-142	1.52	1.00





Type SH-100-D

Duct Sealing Compound

Type DC

Asbestos Free

Use:
Neer Sealer is used primarily by the building and specifically by the electrical trade to seal around junction boxes, flashings, and service mast entries, etc. It can be shaped by hand to any form and reused if necessary. Neer duct seal has countless other applications in the refrigeration, heating and cooling, plumbing and metal fabrication fields, as well as being an excellent general purpose sealant around the home. Neer duct seal may be painted immediately after application and will not bleed through the dry paint film.

Features:
- FDA Approved as listed in CFR, Title 21 being composed of ingredients acceptable for packaging and transporting food.
- Chemically acceptable to the U.S.D.A. for use in meat and poultry processing areas under Federal Inspection.
- Dielectric Strength: Approximate 100 volts per mil (ASTM D149-64). Resistivity: 1.5.1 @ 100°C..4.8 x 109 ohm-cm 1.5.2 after 96 hours @ 115°C..4.8 x 1010 ohm-cm (ASME power test code of 1965, Section 40.5).
- Paintability
- No vehicle bleedout
- Non-Corrosive: Will not corrode metal
- Non-Irritant: No irritation to eyes or skin as listed in CFR, Title 16, "Appraisal of the safety of chemicals in food, drugs and cosmetics."
- Non-toxic: Contains no toxic materials.

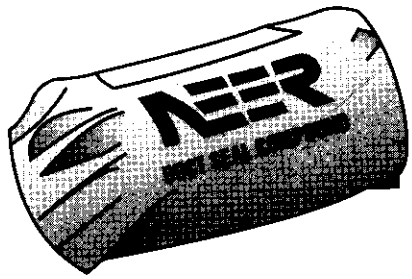
Physical & Chemical Characteristics:
- Base: Non-drying synthetic polymers and oils.
- Odor: No unpleasant odor
- Temperature tolerance range: -30°F to +175°F. Will not slump at 275°F for brief periods.
- Fillers: Saturated mineral fillers and other inert ingredients.
- Cone penetration: (ASTM D217-52T) Modified to total moving load of 300 gm., 5 sec. @ 77°F; 100-115 mm/10.
- Non-volatile (solids): 100
- Specified gravity: 1.65 to 1.7 (ASTM D71-72)
- Temperature usage range (recommended) 25°F to 120°F.

Shelf life: Unlimited

Trade Size (inches)	Catalog Number
1 lb. bag	DC-10
5 lb. bag	DC-50

Description:
This asbestos-free sealer is a gray, permanently soft, non-toxic, non-volatile compound which will adhere to most clean, dry surfaces. It will not adversely affect other plastic materials or corrode metals and has no adverse effect on human skin.

Third Party Certification:
UL Listed: R11374



Type DC-10

Safety Plates & Switch Box Supports

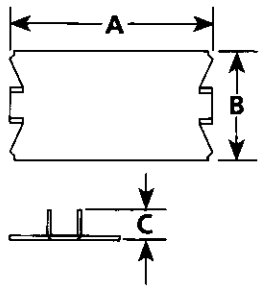
Type SP

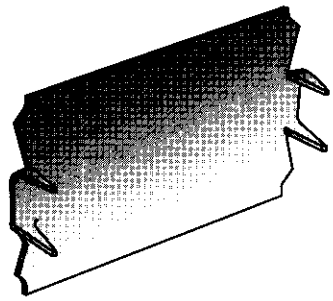
Safety Plates

Use:
Installed over areas in wooden structures where cables are run in order to protect cable insulation from being damaged by protruding screws or nails, as defined in the NEC, Article 300-4.

Material/Finish:
Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
1/16x1½x2½	SP-100	2.50	1.53	0.45
1/16x1½x2½	SP-150	2.50	1.53	0.45





Type SP-100

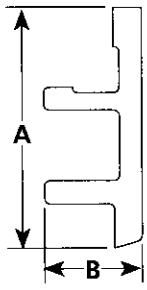
Type HI

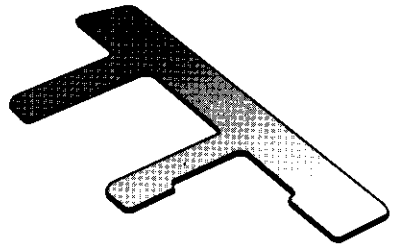
Switch Box Supports

Use:
To support attachment of boxes in drywall, paneling, etc., where there are no means of attaching the box to a structure member or the like. Two are required per box.

Material/Finish:
Steel

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
	HI-102	5.11	2.25





Type HI-102

Knock-Out Seals

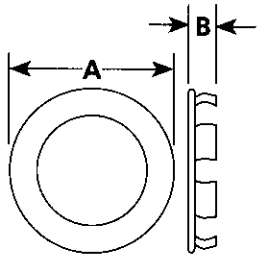
Type KO

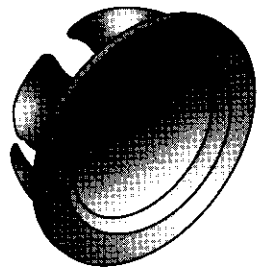
Knock-Out Seals

Use:
To close unused opening or knockout in sheet metal box, enclosure or cabinet.

Material/Finish:
Steel/Zinc Plated

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B
½	KO-50	1.08	0.40
¾	KO-75	1.25	0.33
1	KO-100	1.48	0.33
1¼	KO-125	1.81	0.33
1½	KO-150	2.21	0.37
2	KO-200	2.68	0.38

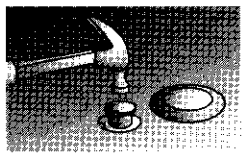




Type KO-50

SECTION J INDEX	Product Description	Page Number

Fire-Seal Poke-Thru Fittings JA1-JA2



Fire-Seal Abandonment Unit JA3

Notes

FIRE-SEAL® Poke-Thru

With Stainless Steel Clamp for Flexible Metal Conduit & BX

Type PTFS

Use:
Fire-Seal Poke-Thru can be used with any metallic service head having a 1" trade size opening in the base. This includes almost all standard "off-the-shelf" heads for power or telephone wiring.

Features:
- Fast Installation.
- Low product cost.
- Mounts into 1⅜" hammer-drilled hole.
- Meets Art. 300-21 of National Electrical Code.
- Use with metal deck or reinforced concrete floors with fire ratings from 1 to 4 hours.
- Secures service head to floor without additional masonry anchor.

Power Wiring:
For power wiring, PTFS-138U may be used with ⅜" or ½" flex conduit or BX cable in sizes 14/2; 14/3; 12/2; and 12/3. Separate grounding conductor is not required when used with BX cable in any length or for flex conduit 6 feet or less on circuits protected by overcurrent devices rated 20 amps or less.

Telephone Wiring:
For telephone applications, a split in the seal accommodates 25-pair cable without removing the Amphenol® connector. Cable can be routed through flex conduit or run by itself into the Fire-Seal Poke-Thru depending on local code requirements.

Third Party Certification:
UL Listed: E-11857

CSA Certified: R8736

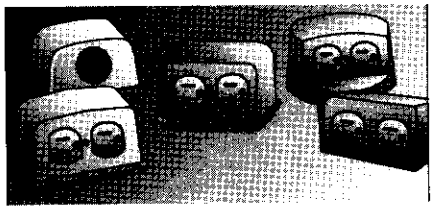
UL Listed for armored cable and flex metal conduit.
UL Listed outlet fitting. Also outlet boxes and fittings classified for fire resistance.

For use with 1, 1½, 2, 3 or r hour rated unprotected reinforced concrete floors and for use with 1, 1½, 2 or 3 hour rated floors employing unprotected steel floor units and concrete topping (D-900 series) or concrete floors with suspended ceilings.

Spacing minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span. 227B

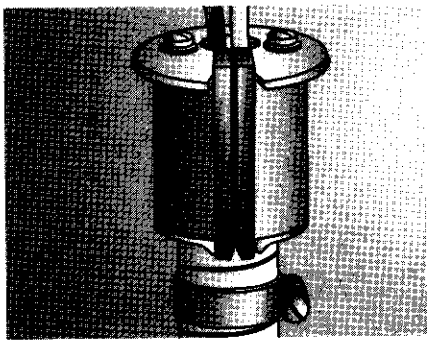
See UL Fire Resistance Directory
ULC-CR-1243

Catalog Number	Dimensions in Inches Max Dia.	Overall Length	Penetration Hole Dia.
PTFS-138U	1¾	2 15/16	1⅜



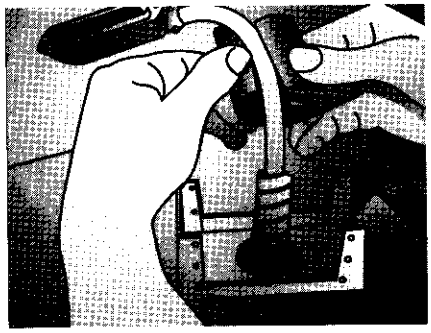
USE WITH ANY SERVICE HEAD

Fire-Seal® Poke-Thru can be used with any metallic service head having a 1" trade size opening in the base. This includes almost all standard "off-the-shelf" heads for power or telephone wiring.



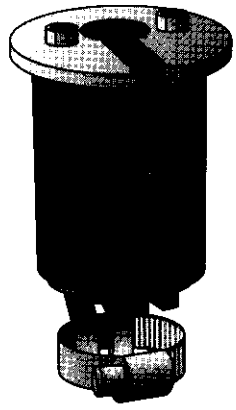
POWER WIRING

For power wiring FIRE-SEAL Poke-Thru may be used with ⅜" or ½" flex conduit or BX cable in sizes 14/2; 14/3; 12/2; and 12/3. Separate grounding conductor is not required when used with BX cable in any length or for flex conduit 6 feet or less on circuits protected by overcurrent devices rated 20 amps or less.

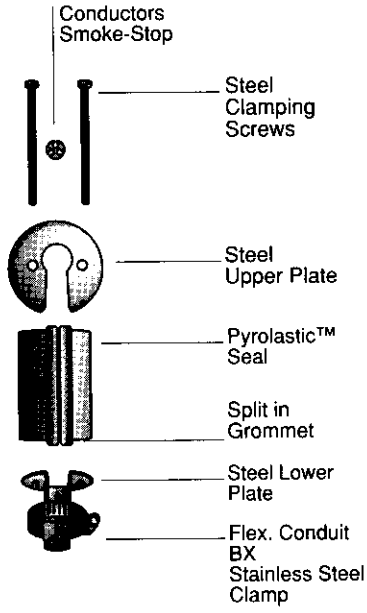


TELEPHONE WIRING

For telephone applications, a split in the seal accommodates 25-pair cable without removing the Amphenol® connector. Cable can be routed through flex conduit or run by itself into the Fire-Seal-Poke-Thru depending on local code requirements.



Type PTFS-138U



How it works:
When the assembly screws are tightened, the high temperature Pyrolastic™ seal expands against the opening to secure the service head and to block fire and smoke from spreading through the penetration. Unit works with all slab or deck thicknesses having fire ratings from 1 to 4 hours. A separate abandonment unit is available to seal the penetration when the Poke-Thru is removed.

PATENTED

FIRE-SEAL® Poke-Thru

With ⅜" Conduit Hub for use with ¾" Threaded Rigid or IMC

Type PTFS

Use:
For use with power or telephone floor service heads.

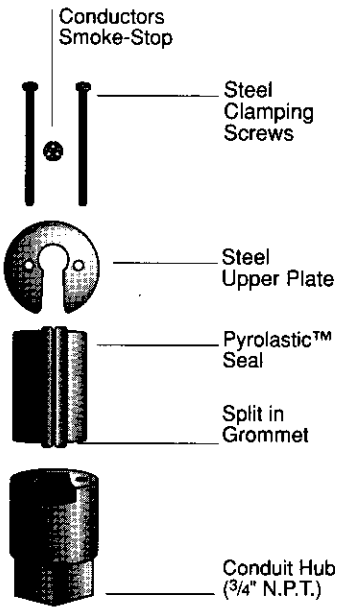
Features:
- Direct connection to ¾" threaded rigid conduit or IMC.
- Use of nipple allows transition to other systems, such as EMT, armored cable and flex metal conduit or connection box.
- For use with 2 or 3 conductors No. 14 or 12 AWG; 4-pair or 25-pair communication cable.
- Separate grounding conductor is not required when using rigid, IMC, EMT or BX cable in any length or for flex metal conduit 6 feet or less on circuits protected by overcurrent devices rated 20 amperes or less.

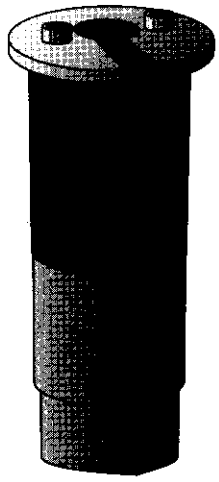
Third Party Certification:
UL Listed: E-11857

CSA Classified: R8736

Suggested Specifications:
"Penetrations through fire-rated floors in which wiring for floor service outlets is routed shall be sealed by UL Classified Smoke and Fire Stop fittings. A high temperature Pyrolastic™ sealing grommet combined with steel plates and compression screws shall be used to anchor the service head and secure the assembly. These fire stop fittings shall be O-Z/Gedney Type PTFS Fire-Seal® Poke-Thru devices and shall have an hourly rating equal to the floor rating."

Catalog Number	Dimensions in Inches Max Dia.	Overall Length	Penetration Hole Dia.
PTFS-138-075	1¾	4	1⅜





Type PTFS-138-075

FIRE-SEAL® Abandonment Unit

Type PTSF-138-00AA

Use:
For use in 1⅜" diameter hole. When the Poke-Thru is removed, a simple abandonment plug is driven into the penetration. An aluminum or brass cover plate secures to the plug, with the self tapping screw provided.

Standard Material:
Aluminum or Brass Plate

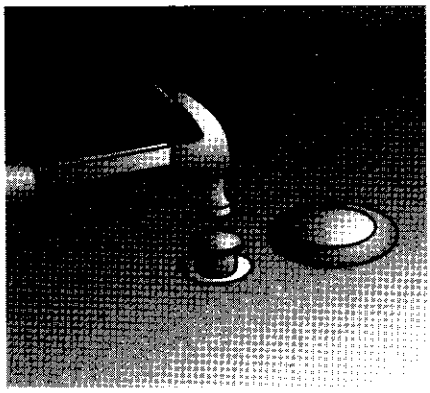
Third Party Certification:
UL Classified: R8736

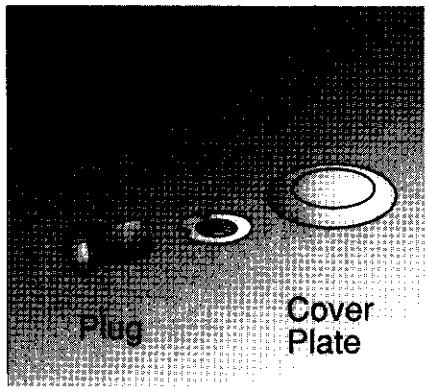
Classification under the category "Outlet Boxes and Fittings Classified for Fire Resistance." For use with 1, 1½, 2, 3 or 4 hour rated unprotected, reinforced concrete floors and for use with 1, 1½, 2 or 3 hour rated floors employing unprotected steel floor units and concrete topping (D-900 series) or concrete floors with suspended ceilings.

Spacing: Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span. 227B.

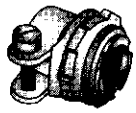
See UL Fire Resistance Directory.

Catalog Number	Cover Plate Material	Diameter
PTFS-138-000A	Alum.	4⅜"
PTFS-138-000B	Brass	4⅜"



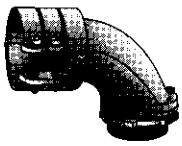


Speedlock™ Connectors KA1

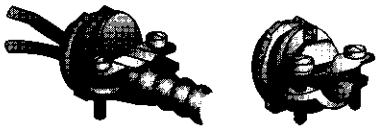


Armored Cable Conduit Connectors KB1-KB5
Metal Clad Cable Conduit Connectors KB1-KB5
Flexible Metal Conduit Connectors KB1-KB5

45° Armored Cable/Flexible Metal Conduit Connectors KB2



90° Armored Cable/Flexible Metal Conduit Connectors KB3



Aluminum Sheathed Cable Connectors KB6
Non Metallic Sheathed Cable Connectors KB7-KB8

Speedlock™

Steel Box Connectors

Type AMC

Use:
For connecting MC, AC, and Flex Cable

Features:
- No locknut required.
- Single-unit or duplex construction with captive clamp.
- Connects 50 MC, AC and Flex RW cable sizes with just four fittings.
- Easy to install. Just tilt, insert and snap down.
- Single-unit construction eliminates loose component parts, integral red plastic insulated throat bushing provides maximum protection for wire installation.

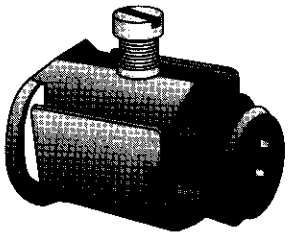
Materials/Finish:
Steel/Zinc Plated

Third Party Certification:
UL Listed: E-11853
For Steel Box Installations

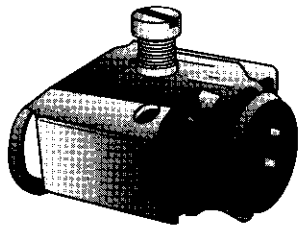
CSA Certified: 28507

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-406E

Exceeds UL specifications for electrical continuity and is suitable as a grounding means under the NEC 350-5 and for hazardous locations under NEC 501-4(b), Class 1, Div. 2.

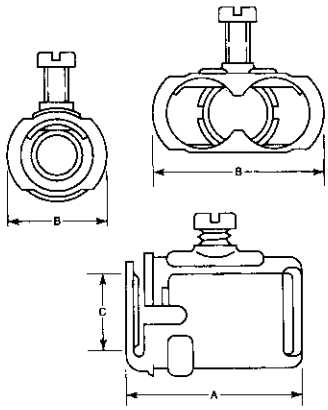


AMC-50



AMC-52

Trade Size (inches)	Catalog Number	Dim. in Inches A	B	C
½ Single	AMC-50	1⅜	1	13/32
¾ Single	AMC-75	1⅝	1 5/16	9/16
½ KO; ¾ capacity	AMC-5075	1⅝	1 5/16	9/16
½ Duplex	AMC-52	1 9/16	1 23/32	9/16



AMC SELECTION CHART

Cable Type	AMC-50 ½" KO	AMC-5075 ½" KO ¾" Capacity	AMC-75 ¾" KO	AMC-52** ½" KO Duplex
AC Steel	14/2 14/3 14/4 12/2 12/3 12/4 10/2 10/3	10/4 10/5 8/3 8/4 6/3	10/4 10/5 8/3 8/4 6/3	14/2 14/3 14/4 12/2 12/3 12/4
HFC Steel Health Care Facilities	14/2 14/3 12/2 12/3 10/2			14/2 14/3 12/2 12/3 10/2
AC Aluminum Interlocked	14/2 14/3 14/4 12/2 12/3 12/4	10/4 8/3 8/4	10/4 8/3 8/4	14/2 14/3 14/4 12/2 12/3 12/4
MC Steel	*14/2 *14/3 *14/4 *12/2 *12/3 *12/4 *10/2	*10/3 *10/4 *8/2 *8/3 *6/2	*10/3 *10/4 *8/2 *8/3 *6/2	14/2 14/3 14/4 12/2 12/3 12/4 10/2
MC Aluminum Interlocked	14/2 14/3 14/4 12/2 12/3 12/4 10/2	10/3 10/4 8/2	10/3 10/4 8/2	14/2 14/3 14/4 12/2 12/3 12/4
MC Aluminum	14/3 14/4 *12/2 *12/3 12/4 10/2 10/3			
MC Aluminum Flat	12/3			
Flex RW	3/8 Steel & Al.	1/2 Steel	1/2 Steel	

*Concrete tight when taped and used with PVC jacketed cord.
**Accepts 2 cables of each size listed.

Cable Connectors

For Armored Cable, Flexible Metal Conduit & BX

Type C & Type 24

Straight Squeeze Connectors

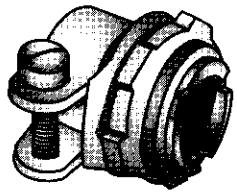
Features:
- Male hub threads - NPS.
- Available with insulated throat.
- Furnished with locknuts.

Materials/Finish:
Malleable Iron/Zinc Plated

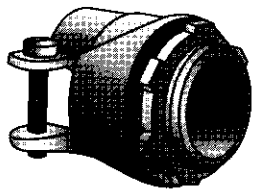
Third Party Certification:
UL Listed: E-11852
C-5 through C-8:
UL Listed for armored cable.
UL Listed: E-11853
C-8, 24-34 through 24-300:
UL Listed for flexible metal conduit

UL Listed flexible metal conduit fittings are suitable for use in Hazardous Location under NEC 501-4(b), Class I, Div. II, and suitable as a grounding means under NEC 350-5.

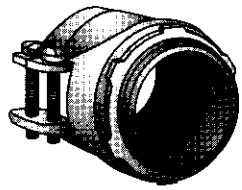
CSA Certified: 9795: Armored Cable



Type C-5
End Stopped



Type C-8 — Type 24-125
Center Stopped



Type 24-150 — Type 24-300
Center Stopped

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches Body Length	Thread Length	Max. Width	Flex. Opening
⅜ (½ KO)	C-5		9/16	7/16	1⅛	½ - 19/32
½	C-8	C-8T	15/16	½	1 5/16	25/32 - 15/16
¾	24-34	24-34T	1⅛	½	1¾	29/32 - 1 3/64
1	24-100	24-100T	1 3/16	9/16	2 3/16	1 3/32 - 1 7/16
1¼	24-125	24-125	1¼	⅝	2½	1 7/16 - 1⅝
1½	24-150	24-150T	1⅞	11/16	2⅝	1⅝ - 1⅞
2	24-200	24-200T	2	¾	3 5/16	2 3/16 - 2⅜
2½	24-250	24-250T	2 1/16	15/16	4 1/16	2 45/64 - 2 61/64
3	24-300	24-300T	2¼	15/16	4⅝	3⅛ - 3½

Type C-1

Set-Screw Connector

Use:
Male hub threads (NPS)

Features:
- Cable stop.
- UL Listed for armored cable.
- Furnished with locknuts.

Materials/Finish:
Malleable Iron/Zinc Plated

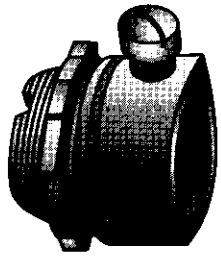
Third Party Certification:
UL Listed: 11852

CSA Certified: 9795

UL Listed flexible metal conduit fittings are suitable for use in Hazardous Location under NEC 501-4(b) Class I, Div. II, and suitable as a grounding means under NEC 350-5.

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
Fed. Spec: W-F-406E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches Body Length	Thread Length	Max. Width	Flex. Opening
⅜ (½ KO)	C-1	9/16	13/32	1	27/64 - ⅝



Type C-1

Cable Connectors

For Armored Cable & Flexible Metal Conduit

Type AC

45° Angle Squeeze Connectors

Features:
- Male hubs - NPS.
- Provided with center stop.
- Available with insulated throats.
- Furnished with locknuts
- Also suitable for NM and SE cable

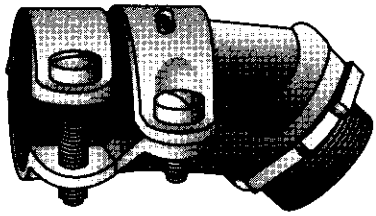
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:

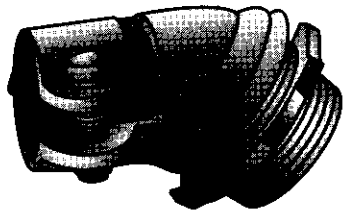
UL Listed: E-11852
UL Listed for armored cable and flexible steel conduit.
UL Listed flexible metal conduit fittings are suitable for use in Hazardous Location under NEC 501-4(b) Class I Div. II, and suitable as a grounding means under NEC 350-5.

CSA Certified: 9795.
CSA Certified for armored cable.

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
Fed. Spec: W-F-406E
NEMA: FB-1



Type AC-38



Type AC-38

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches Body Length	Thread Length	Max. Width	Flex. Opening
⅜ (½ KO)	AC-38	AC-38T	1⅜	7/16	1¼	17/32 - 39/64
½	AC-50	AC-50T	1 5/16	7/16	1 11/16	25/32 - 15/16
¾	AC-75	AC-75T	2⅛	½	1¾	29/32 - 1 1/16

Type 25-38C

Duplex Connector

Features:
- For armored cable 14/2 to 10/2 or combination of sizes
- Furnished with locknuts.
- Male hubs-NPS

Material/Finish:
Malleable Iron/Zinc Plated

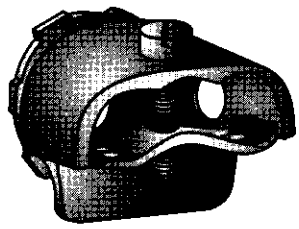
Third Party Certification:

UL Listed: E-11852
UL Listed flexible metal conduit fittings are suitable for use in Hazardous Locations under NEC 501-4(b) Class I Div. II, and suitable as a grounding means under NEC 350-5.

CSA Certified: 9795

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
Fed. Spec: W-F-406E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches Body Length	Thread Length	Max. Width	Flex. Opening
⅜ (½ KO)	25-38C	1 1/16	7/16	1 9/16	7/32 - 17/32



Type 25-38C

Cable Connectors

For Armored Cable & Flexible Metal Conduit

Types AC & Type ACV

90° 2-Screw Clamp Connectors
90° Angle Squeeze Connectors

Features:
- Male hub threads - NPS.
- All center stopped.
- Furnished with locknuts.
- Available with insulated throat
- Also suitable for NM and SE cable

Material/Finish:
Malleable Iron/Zinc Plated

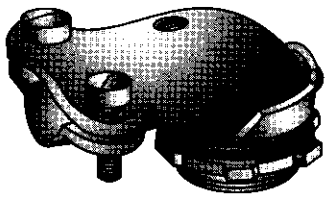
Third Party Certification:

UL Listed: E-11852
ACV-938 through ACV-75: UL Listed for armored cable and flexible metal conduit.
UL Listed: E-11853
AC-100 through AC-400: UL Listed for flexible metal conduit.

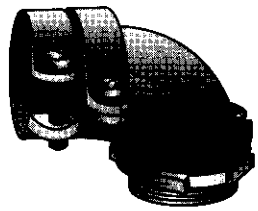
UL Listed flexible metal conduit fittings are suitable for use in Hazardous Locations under NEC 501-4(b) Class I Div. II, and suitable as a grounding means under NEC 350-5.

CSA Certified: 9795 and 11584. Armored cable and Flexible Metal Conduit

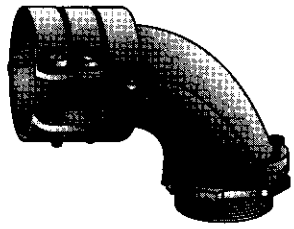
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
Fed. Spec: W-F-406E
NEMA: FB-1



Type ACV-938



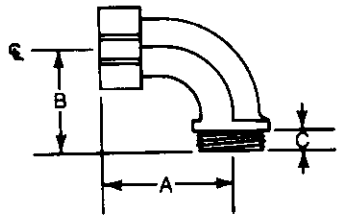
Type ACV-50 — Type AC-125



Type AC-150 — Type AC-200

Type AC-250 — Type AC-400

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C	Flex Opening
⅜ (½ KO)	ACV-938	ACV-938T	1 5/16	13/16	7/16	23/64 - 21/32
½	ACV-50	ACV-50T	1¾	1 1/16	7/16	25/32 - 81/64
¾	ACV-75	ACV-75T	1 13/16	1⅛	7/16	29/32 - 1 1/64
1	AC-100	AC-100T	2 1/16	1 9/16	9/16	1¼ - 1⅜
1¼	AC-125	AC-125T	2 13/16	2	9/16	1 13/32 - 1⅝
1½	AC-150	AC-150T	3 13/16	2 13/16	9/16	1¾ - 2
2	AC-200	AC-200T	4¾	3¼	11/16	2 3/16 - 2 7/16
2½	AC-250	AC-250T	6¼	4 5/16	⅞	2¾ - 3
3	AC-300	AC-300T	7¼	5⅛	1	3¼ - 3½
3½	AC-350	AC-350T	10¼	7¾	1¼	3 45/64 - 4 5/32
4	AC-400	AC-400T	13	9¾	1¼	4 7/64 - 4 9/16



Cable Connectors

For Armored Cable, Flexible Metal Conduit, Interlocked Metal Clad Cables, NM & SE Cable

Type KC

2-Screw & 4-Screw Clamp Connectors

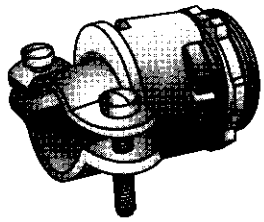
Features:
- Available with insulated throats.
- Male hub threads - NPS.
- All center stopped.
- Provided with locknuts.

Material/Finish:
Malleable Iron/Zinc Plated

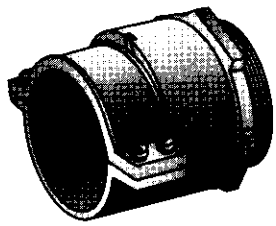
Third Party Certification:
UL Listed :E-11852, E-11858, E-11856, E-11853

CSA Certified: 9795

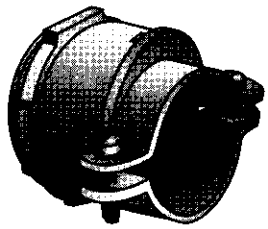
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
Fed. Spec: W-F-406E
NEMA: FB-1



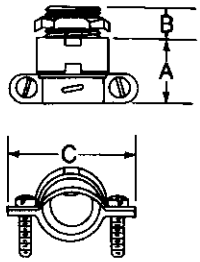
Type KC-50 — Type KC-76



Type KC-350 — Type KC-500



Type KC-100 — Type KC-300



Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	UL FILE NUMBER Metal Clad	Armored Cable	Flex. Metal Conduit	Sheathed Cable	SE Cable	Dimensions in Inches A	B	C	Flex Opening
½	KC-50	KC-50T	E-11852	E-11852	E-11852	E-11852	E-11852	1⅛	7/16	1⅞	½ - 29/32
½-(¾ K.O.)	KC-51		E-11852	E-11852	E-11852	E-11852	E-11852	1⅛	7/16	1⅞	½ - 15/16
¾	KC-75	KC-75T		E-11852	E-11852	E-11852	E-11852 E-11858	1 3/16	½	2⅛	⅞ - 1 3/32
¾-(1 K.O.)	KC-76			E-11852	E-11852	E-11852	E-11852	1 3/16	½	2⅛	27/32 - 1 3/32
1	KC-100	KC-100T			E-11853	E-11856	E-11858	1¼	9/16	2 7/16	1 1/16 - 1⅜
1¼	KC-125	KC-125T			E-11853	E-11856	E-11858	1 5/16	9/16	2 13/16	1 3/32 - 1⅝
1½	KC-150	KC-150T			E-11853			1 13/16	¾	3 3/16	1⅜ - 2
2	KC-200	KC-200T			E-11853			2⅛	⅞	4¼	2⅛ - 2½
2½	KC-250	KC-250T			E-11853			2⅝	⅞	5	2 7/16 - 3
3	KC-300	KC-300T			E-11853			3 1/16	1 1/16	5½	2 15/16 - 3½
3½	KC-350	KC-350T			E-11853			3 9/16	1¼	6½	3 23/32 - 4
4	KC-400	KC-400T			E-11853			3 11/16	1¼	7	4 1/16 - 4 7/16
5	KC-500	KC-500T			UL & CSA Listing not applicable.			5	1½	8⅜	5 5/16 - 5½

Cable Connectors

For Armored Cable

Type C-15L

2-Screw Connectors

Features:
- End stopped
- Male hub threads NPS
- Provided with locknut

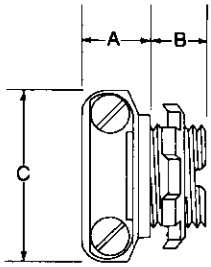
Material/Finish:
Malleable Iron/Zinc Plated

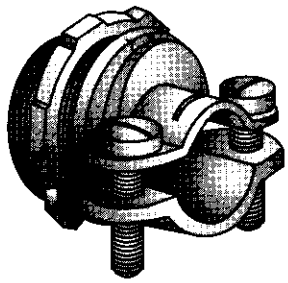
Third Party Certification:
UL Listed: E-11852

CSA Certified: 9795

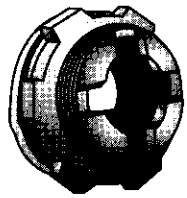
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
Fed. Spec: W-F-406E
NEMA: FB-1

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C	Cable Opening
⅜ (½ KO)	C-15L	9/16	½	1⅜	⅜ - ⅝





Type C-15L



Front View

Cable Connectors

Aluminum Sheathed For Smooth & Corrugated ALS Cable

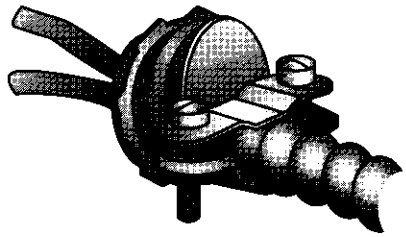
Type ALS-50-525

Features:
- End stopped
- Male hub thread NPS
- Furnished with locknut

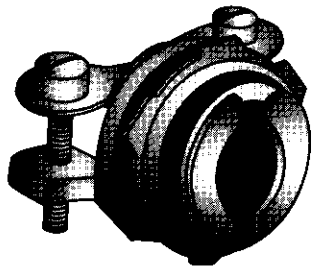
Material/Finish:
Malleable Iron/Zinc Plated

Third Party Certification:
UL Listed: E-70114
UL Listed for smooth and corrugated aluminum sheathed cable.

Applicable Third Party Standards:
UL Standard: 514B
Fed. Spec: W-F-406E
NEMA: FB-1



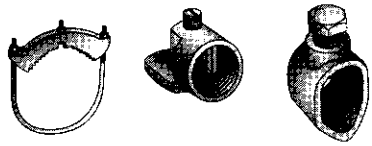
Type ALS-50-525



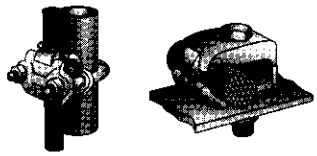
End Stopped

Catalog Number	K.O. Size Inches	Dimensions in Inches: Length of Clamp	Length of Thread	Width of Clamp	Cable Range Dia. over Armor Min.	Max.
ALS-50-525	½	9/16	15/32	1⅜	.375	.525

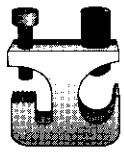
SECTION M INDEX	Product Description	Page Number



Universal Ground Clamps MA1-MA5
Ground Clamp Accessories MA2
Ground Rod Clamps MA5



Specification Grade Ground Clamps MA6-MA11



Cable Tray Ground Clamps MA12

Heavy Duty Ground Clamps

Basic Universal Ground Clamp System

Type G

Use:
For connecting grounding conductors to cold water ground pipe in sizes 1¼" through 12".

Features:
- Standard built-in ground wire connector for #8 Sol. through #2 Str. AWG bare or insulated wire.
- Provision for separate 2-station attachment of additional swivel accessories are listed in ground clamp accessories tables.

Material/Finish:
Catalog Numbers with suffix "G" are Malleable Iron, Hot Dip Galvanized. Bolts and Nuts are Steel, Hot Dip or Mechanically Galvanized.

Catalog Numbers with suffix "B" are Cast Bronze with Silicon Bronze Bolts and Nuts.

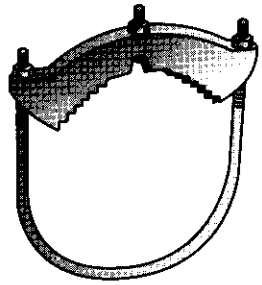
Accessories:
- For larger conductors add Type GWD dead end terminals.
- For connecting conductors run in conduit, add Type GH swivel ground hubs.
- For connecting armored ground wire, add Type GWA Terminal.

Third Party Certification:
UL Listed: E-24264

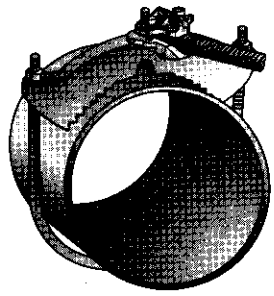
CSA Certified: LR 9795

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 18
Fed. Spec: W-F-406E

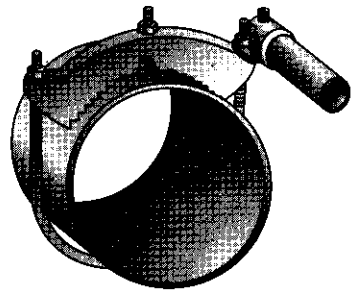
Note:
Cast Bronze clamps are suitable for direct burial.



Type G



Type G with Type GWA Armor Ground Wire Connector



Type G with Type GH Ground Hub

Malleable Iron Catalog Number	Cast Bronze Catalog Number	Nominal Size	Ground Pipe Size O.D. Range Min.	Max.	Dimensions in Inches Thk.	Width	Height Max.
G-200G	G-200B	1¼—1½—2	1.660	2.375	⅞	3⅜	4⅝
G-350G	G-350B	2½—3—3½	2.875	4.000	⅞	5¼	6⁷⁄₁₆
G-500G	G-500B	4—4½—5	4.500	5.563	⅞	6¹³⁄₁₆	8
G-600G	G-600B	6	6.000	7.100	⅞	8⅜	9⁹⁄₁₆
G-800G	G-800B	8	8.000	9.300	⅞	10⅝	11¹³⁄₁₆
G-1000G	G-1000B	10	10.000	11.400	⅞	12¾	13¹⁵⁄₁₆
G-1200G	G-1200B	12	12.000	13.500	⅞	14¹³⁄₁₆	16

Ground Clamp Accessories Swivel Types

Type GH & Type GW

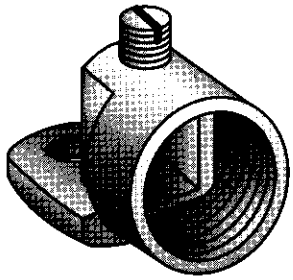
Use:
For use with the basic universal ground clamps to connect grounding conductors run bare, in armor, or in conduit. Fits all basic ground clamp systems, G-200G through G-1200G and G-200B through G-1200B

Material/Finish:
Type GH-G - Malleable Iron-Hot Dip Galvanized; Steel Screws Zinc Plated
Type GH-B - Cast Bronze, Brass Screws
Type GWS - Cast Bronze, Silicon Bronze Screws
Type GWD - Cast Bronze, Brass Screws

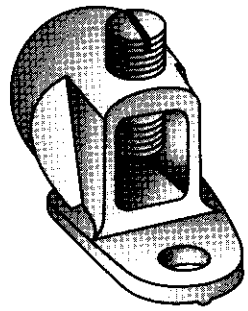
Third Party Certification:
UL Listed: E24264

Applicable Third Party Standards:
UL Standard: 467
Fed. Spec: W-F-406E

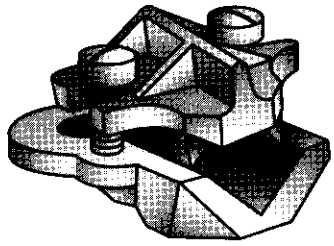
Note:
All Cast Bronze and brass accessories are suitable for direct burial.



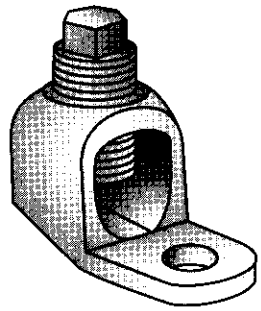
Type GH-G & Type GH-B



Type GH-G & Type GH-B



Type GWA



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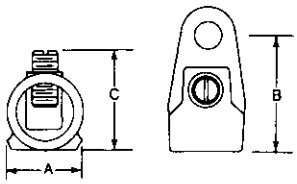

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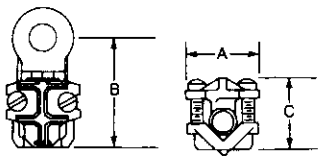

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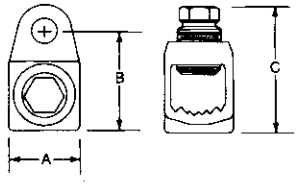


Type GWD

GROUND HUBS

Malleable Iron Catalog Number	Cast Bronze Catalog Number	Cond. Hub Size (in.)	Conductor Range (AWG) Min.	Conductor Range (AWG) Max.	Dimensions in Inches A	B	C Max.
GH-50G	GH-50B	½	#8	#2	1	1½	1⅜
GH-75G	GH-75B	¾	4	2/0	1¼	1⅞	1 11/16
GH-100G	GH-100B	1	1	250	1½	2⅛	2⅜
GH-125G	GH-125B	1¼	4/0	500	1⅞	2½	2 11/16

ARMOR GROUND WIRE CONNECTOR

Catalog Number	Conductor Range	Max. Armor Dia.	Dimensions in Inches A	B	C Max.
GWA-04B	#8 Sol. - #4 Str.	.396	1⅛	1 3/16	1⅛

BARE OR INSULATED WIRE DEAD END TERMINAL HUB

Catalog Number	Max. Armor Dia.	Dimensions in Inches A	B	C Max.
GWD-25B	#1 - 250 Mcm	1 15/16	1¼	1¾
GWD-50B	4/0 - 500 Mcm	1⅛	1⅝	2⅛

Ground Clamps

Type GF

Combination Armored Clamp
Bare Ground Wire

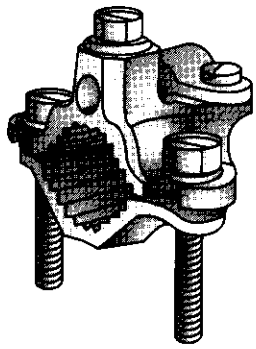
Use:
For connecting armored or bare grounding wire to ground pipe

Material/Finish:
Malleable Iron, Hot Dip or Mechanically Galvanized
Screws are Steel, Zinc Plated

Third Party Certification:
UL Listed: E-24264

Applicable Third Party Standards:
UL Standard: 467
Fed. Spec: W-F-406E

Catalog Number	Ground Pipe Size Inches	Conductor Range (AWG)	Dimensions in Inches Height	Width	Clamp Width
GF-19G	1/2-3/4-1	#8 - #4	2⅜	1⅝	1⅛



Type GF-19G

Type G-50

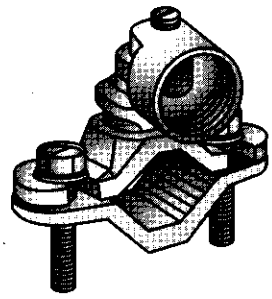
Heavy Duty Ground Clamp
Hub swivel type for threaded rigid conduit (NPS)

Use:
For connecting grounding conductor (run in conduit) to ground pipe.

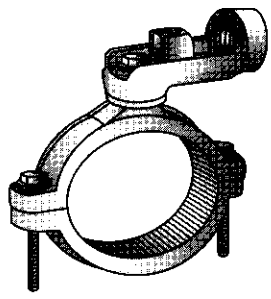
Material/Finish:
Malleable Iron, Hot Dip or Mechanically Galvanized
Screws: Steel/Zinc Plated

Third Party Certification:
UL Listed: E-24264

Applicable Third Party Standards:
UL Standard: 467
Fed. Spec: W-F-406E



Type G-50G



Type G-51G & Type G-52G

Ground Pipe Size Inches	Catalog Number	Conductor Range (AWG)	Dimensions in Inches Conduit Center to Top of Fitting	Clamp Width
½	G-50G	#8 - #2	1¼	2½
¾	G-51G	#6-#1/0	1½	2½
1	G-52G	1/0-250 Mcm	1½	2½

Pipe Ground Clamps

Commodity Grade

Type GC
For bare wire

Type GCA
For armored cable

Type GCH
With conduit hub

Use:
To ground a conductor to metallic pipe or tubing.

Features:
- High strength cast copper alloy
- Screws plated to resist corrosion

Material:
Casting - Copper Alloy
Screws - Steel

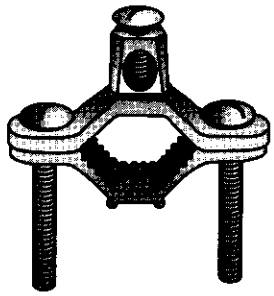
Finish:
Copper Alloy - Natural finish
Screws - Zinc Plated

- GC: Bare wire clamp from #10 solid to #3 stranded AWG.
- GCA: Armored cable or rigid conduit clamp from #8 solid to #4 stranded AWG.
- GCH: Rigid conduit clamp from #10 solid #4 stranded AWG.
- GCA, GCH and GC-100-02B are reversible for grounding rods.

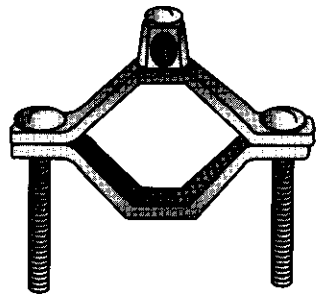
Third Party Certification:
UL Listed: E-24264

CSA Certified: AP57250

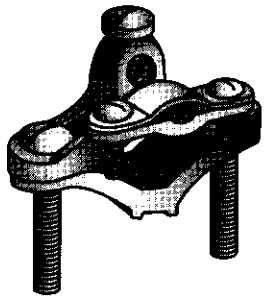
Applicable Third Party Standards:
UL Standard: 467
CSA Standard : C22.2 No. 41
National Electrical Code
Article 250-26(c), 250-112, 250-115
NEMA: FB-1



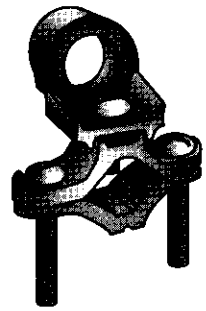
Type GC-100-02B



Type GC-200-02B



Type GCA-100-04B



Type GCH-100-50-04B

Catalog Number	Ground Pipe Size Inches	Conductor Range (AWG)	Conduit Hub Size Inches	Dimensions in Inches Height	Width	Clamp Width	Top of Pipe to Top of Fitting
GC-100-02B	½ - 1	10 - 2	--	2½	2$^{5}/_{16}$	$^{1}/_{16}$	--
GC-200-02B	1¼ - 2	10 - 2	--	3$^{3}/_{16}$	3⅜	$^{3}/_{16}$	--
GCA-100-04B	½ - 1	8 - 4	--	2½	2⅝	$^{1}/_{16}$	--
GCH-100-50-04B	½ - 1	10 - 4	½	2¾	2⅜	$^{1}/_{16}$	1⅝

Ground Rod Clamps & Ground Straps

Commodity Grade

Type GRC

Use:
To ground a conductor to a driven ground rod.

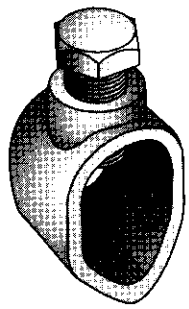
Features:
- High strength cast bronze.
- Suitable for direct burial.

Material:
Cast Bronze

Third Party Certification:
UL Listed: E-24264
Suitable for direct burial.

CSA Certified: AP57250

Applicable Third Party Standards:
UL Standard 467
CSA Standard: C22.2 No. 41
National Electrical Code
Articles 250-112, 250-113 and 250-115
NEMA: FB-1



Type GRC

Catalog Number	Ground Rod Size Inches	Screw Thread Size (UNC-2A)	Conductor Range AWG	Dimensions in Inches Max. Height	Max. Width Across Open End	Side Length
GRC-50-02B	½	⅜ - 16	#10 - #2	1 13/16	13/16	15/16
GRC-62-02B	⅝	⅜ - 16	#10 - #2	1⅞	15/16	⅝
GRC-62-10B	⅝	⅜ - 16	# 8 - 1/0	1 15/16	⅞	1
GRC-75-10B	¾	⅜ - 16	# 8 - 1/0	2 3/16	1 1/16	1⅛

Type GES

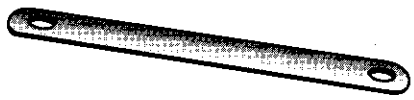
Flexible Ground Strap

Use:
To provide flexible connection between ground hub and universal clamp.

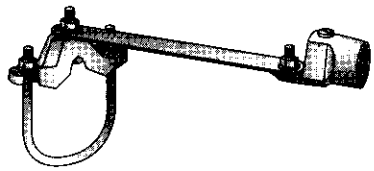
Material: Copper

Third Party Certification:
UL Listed: E-24264

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-406E



Type GES-02



Type GES-02 between Hub and Ground Clamp

Catalog Number	Number of Straps	Mounting Centers	Dimensions in Inches Width	Thickness	Max. Ground Wire Size
GES-02	1	6	1	1/16	2 AWG
	2	6	1	1/16	2/0 AWG
	3	6	1	1/16	3/0 AWG
	4	6	1	1/16	250 Mcm

All Copper Alloy Ground Connectors

Specification Grade

Type ABG

Use:
For cable connection parallel or at right angles to pipe or rod.

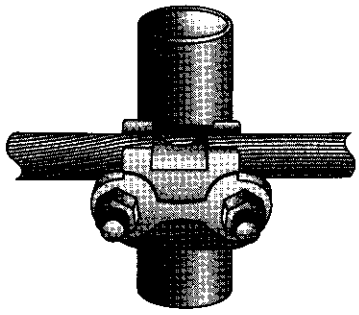
Features:
• A high strength copper alloy ground connector connecting a ground wire either parallel or at right angles to a ground rod or pipe. A positive ground is assured by the clamping pressure that can be applied by the high strength silicon bronze U-bolt, nuts and lock washers.

Third Party Certification:
UL Listed: E-24264

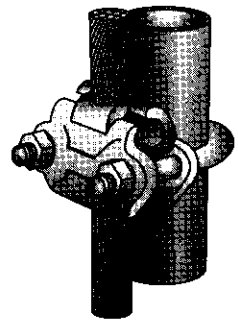
CSA Certified: 15978

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
NEMA: FB-1

Note:
Type ABG connectors are suitable for direct burial. For grounding cable at either right angle or parallel to pipe larger than 1½" IPS or 1½" rigid conduit use Type CG Ground Connector shown on Page MA7.

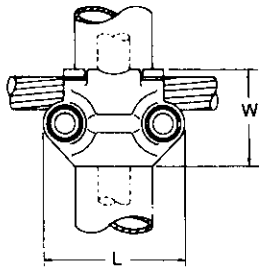


Type ABG at Right Angles

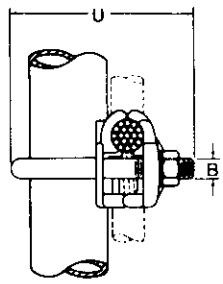


Type ABG Parallel

Catalog Number	Driven (in.) Ground Rod Size	Driven (in.) Ground Pipe Size	Conductor Range AWG/MCM Min.	Conductor Range AWG/MCM Max.	Dimensions in Inches L	W	U	B
ABG-0204	½	¼	#8	#4	1 3/16	1 5/16	2	3/8
ABG-0222	½	¼	4	2/0	1 3/16	1½	2¼	3/8
ABG-0304	5/8 or ¾	3/8	8	4	2	1 5/16	2⅛	3/8
ABG-0322	5/8 or ¾	3/8	4	2/0	2	1½	2⅜	3/8
ABG-0325	5/8 or ¾	3/8	2/0	250	2	1⅞	2⅝	3/8
ABG-0350	5/8 or ¾	3/8	300	500	2½	2⅜	3⅛	½
ABG-0704	1	½ or ¾	8	4	2¼	1 5/16	2½	3/8
ABG-0722	1	½ or ¾	4	2/0	2¼	1½	2¾	3/8
ABG-0725	1	½ or ¾	2/0	250	2¼	1⅞	3	3/8
ABG-0750	1	½ or ¾	300	500	2¾	2⅜	3½	½
ABG-1104	--	1	8	4	2 5/16	1 5/16	2¾	3/8
ABG-1122	--	1	4	2/0	2 5/16	1½	3	3/8
ABG-1125	---	1	2/0	250	2 5/16	1⅞	3⅜	3/8
ABG-1150	--	1	300	500	3	2⅜	3¾	½
ABG-1204	--	1¼	8	4	3	1 5/16	3¼	3/8
ABG-1222	--	1¼	4	2/0	3	1½	3¼	3/8
ABG-1225	--	1¼	2/0	250	3	1⅞	3½	3/8
ABG-1250	---	1¼	300	500	3⅜	2⅜	4⅛	½
ABC-1504	--	1½	8	4	3⅛	1 5/16	3½	3/8
ABG-1522	--	1½	4	2/0	3⅛	1½	3⅞	3/8
ABG-1525	--	1½	2/0	250	3⅛	1⅞	3¾	3/8
ABG-1550	--	1½	300	500	3 3/16	2 7/16	4¼	½



Front View



All Copper Alloy Ground Connectors

Specification Grade

Type CG

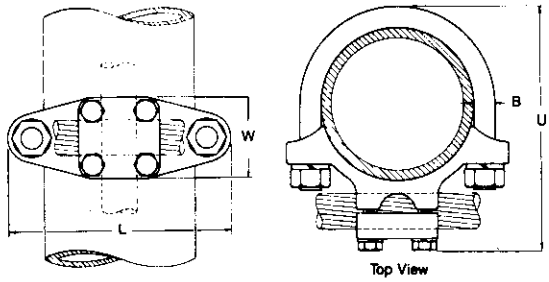
Use:
For cable connection either parallel or at right angle to pipe. A high strength corrosion-resistant ground connector having a reversible contact plate which permits the ground wire to be connected either at right angles or parallel to a ground pipe. The fitting is designed so that the saddle can be installed before the ground connection is made. High strength silicon bronze hardware permits high clamping pressures to be applied.

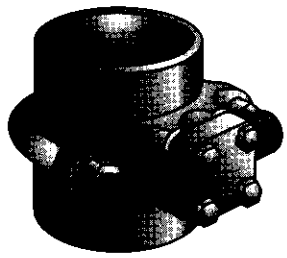
Third Party Certification:
UL Listed: E-24264

CSA Certified: 15978

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-406E

Note:
For grounding cable either at right angle or parallel to pipe smaller than 2" IPS or 2" rigid conduit use Type ABG shown on page MA6.





Type CG

Catalog Number	Ground Pipe Size (Inches)	Conductor Range AWG/MCM Min.	Max.	Dimensions in Inches L	W	U	B
CG-2004	2	#8	#4	3⅝	⅞	3¾	⅜
CG-2022	2	4	2/0	3⅝	1⅜₆	4	⅜
CG-2025	2	2/0	250	3⅝	1⅞₆	4⅛	⅜
CG-2050	2	300	500	3⅞	1⅞	4½	⅞₆
CG-2604	2½	8	4	4⅛	⅞	4¼	⅜
CG-2622	2½	4	2/0	4⅛	1⅜₆	4½	⅜
CG-2625	2½	2/0	250	4⅛	1⅞₆	4¾	⅜
CG-2650	2½	300	500	4⅜	1⅞	5	⅞₆
CG-3104	3	8	4	4¾	⅞	4¹³⁄₁₆	⅜
CG-3122	3	4	2/0	4¾	1⅜₆	5⅛	⅜
CG-3125	3	2/0	250	4¾	1⅞₆	5⅜	⅜
CG-3150	3	300	500	5¼	1⅞	5¾	½
CG-3175	3	550	750				
CG-3604	3½	8	4	5¼	⅞	5¼	⅜
CG-3622	3½	4	2/0	5¼	1⅜₆	5⅝	⅜
CG-3625	3½	2/0	250	5¼	1⅞₆	5⅞	⅜
CG-3650	3½	300	500	5¾	1⅞	6⅛	½
CG-3675	3½	550	750				
CG-4104	4	8	4	5¾	⅞	5¾	⅜
CG-4122	4	4	2/0	5¾	1⅜₆	6⅛	⅜
CG-4125	4	2/0	250	5¾	1⅞₆	6⅛	⅜
CG-4150	4	300	500	6¼	1⅞	6⅝	½
CG-4175	4	550	750				
CG-4622	4½	4	2/0	6¼	1⅜₆	6⅝	⅜
CG-4625	4½	2/0	250	6¼	1⅞₆	6⅞	⅜
CG-4650	4½	300	500	6⅜	1⅞	7¼	½
CG-5122	5	4	2/0	6⅞	1⅜₆	7⅛	⅜
CG-5125	5	2/0	250	6⅞	1⅞₆	7⅜	⅜
CG-5150	5	300	500	7¼	1⅞	7¾	½
CG-5175	5	550	750				
CG-6122	6	4	2/0	8	1⅜₆	8¼	⅜
CG-6125	6	2/0	250	8	1⅞₆	8½	⅜
CG-6150	6	300	500	8⅜	1⅞	8⅞	½
CG-6175	6	550	750	8⅜	2⅜	9⅜	½
CG-6192	6	800	1000	8⅜	2⅜	9⅜	½
CG-8125	8	2/0	250	10	1⅞₆	10½	⅜
CG-8150	8	300	500	10⅜	1⅞	10⅞	½
CG-8175	8	550	750				
CG-8192	8	800	1000				

All Copper Alloy Ground Connectors

Specification Grade

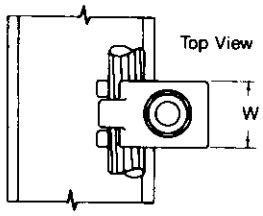
Type TG

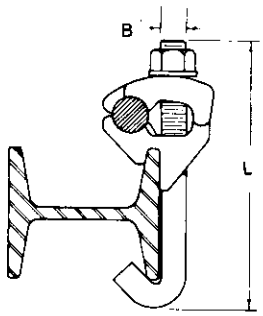
Use:
This ground connector is used for grounding "H" column fence posts. Its design eliminates the need for drilling the post. To attach, loosen the nut sufficiently to allow the end of the "J" bolt to slip over the flange, assemble the cable into the fitting and then tighten.

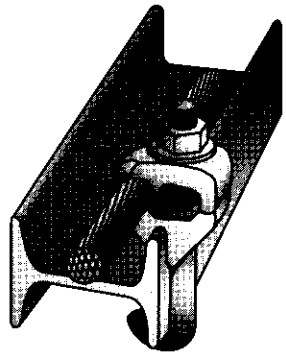
Material/Finish:
The current carrying parts are of cast copper alloy. The "J" bolt, nut and washer are Hot Dip Galvanized steel.

Third Party Certification:
CSA Certified: 15978

Applicable Third Party Standards:
CSA Standard: C22.2 No. 41







Type TG

Catalog Number	Conductor Range Min. Solid	Max. Str.	"H" Column Fence Post Min.	Max.	Dim. in Inches L	W	B
TG-24	#4	4/0	1.31	1.95	4⅛	1	⅜

Type RG

For braid or copper bar to pipe.

Use:
This Ground Connector is designed to connect flat copper braid or copper bar to a pipe. A copper alloy body and silicon bronze bolt, nut and lock washers, combine strength and corrosion-resistance, insuring a positive mechanical and electrical connection.

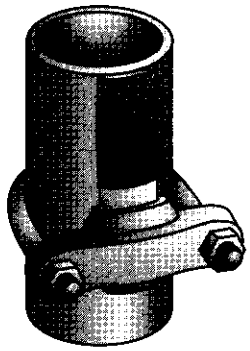
Third Party Certification:
UL Listed: E-24264

CSA Certified: 15978

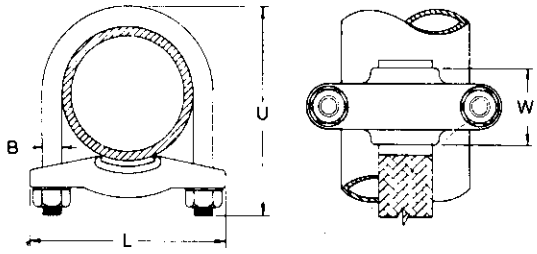
Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
Fed. Spec: W-F-406E

Notes:
Sizes are for braid or copper bar 1" Max.
Suitable for direct burial application.

Catalog Number	Ground Pipe Size (Inches)	Dimensions in Inches L	W	U	B
RG-07	½ or ¾	2¼	1¼	2½	⅜
RG-11	1	2⅝	1⅜	2 3/16	⅜
RG-12	1¼	3	1⅜	3⅛	⅜
RG-15	1½	3⅛	1⅜	3½	⅜
RG-20	2	3⅝	1⅜	3⅞	⅜
RG-26	2½	4⅛	1⅜	4⅜	⅜
RG-31	3	4¾	1⅜	5	⅜
RG-36	3½	5¼	1⅜	5½	⅜
RG-41	4	5¾	1⅜	6	⅜
RG-51	5	7 3/16	1⅜	7¼	⅜
RG-61	6	8¼	1⅜	7¾	⅜



Type RG



All Copper Alloy Ground Connectors

Specification Grade

Type KG

Two-piece design

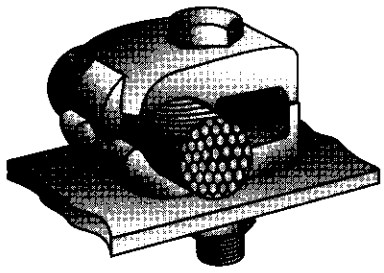
Use:
This ground connector is designed to connect a ground wire to any flat surface. Copper alloy body and silicon bronze bolt, nut and lock washer, with the Interlocking clamp, combine strength and corrosion-resistance, insuring a positive ground connection. HEX-CUP construction of the fitting, simplifies installation by requiring only a single wrench for tightening.

Third Party Certification:
CSA Certified: 15978

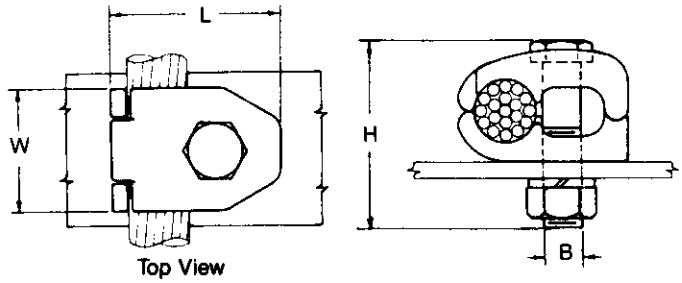
Applicable Third Party Standards:
CSA Standard: C22.2 No. 41

Note:
Bolts furnished will fasten connector to plate up to ¼" thick. Longer bolts will be furnished when necessary if plate thickness is specified.

Catalog Number	Conductor Range AWG/MCM Min.	Max.	Dimensions in Inches L	W	H	B
KG-04	#8	#4	1⅛	1⅛	1⅜	⅜
KG-22	4	2/0	1⅝	1¼	1¾	⅜
KG-25	2/0	250	2	1⅜	2 1/16	7/16
KG-50	300	500	2⅜	1½	2 9/16	½
KG-75	550	750	2⅞	1¾	2⅞	⅝
KG-92	800	1000	3⅜	2	3⅛	⅝



Type KG



Top View

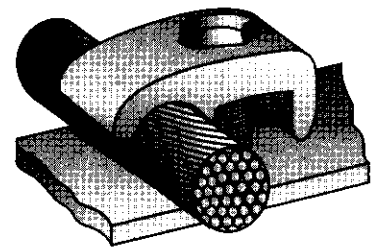
Type KGM

One-piece design

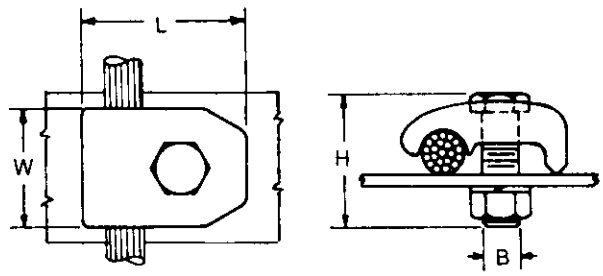
Use:
An economical ground connector for connecting a ground wire to any flat surface. Copper alloy body and silicon bronze bolt, nut and lock washer combine strength and corrosion-resistance to insure a positive ground connection. HEX-CUP construction of the fitting simplifies installation by requiring only a single wrench for tightening

Note:
Bolts furnished will fasten connector to plate up to ¼" thick. Longer bolts will be furnished when necessary if plate thickness is specified.

Catalog Number	Conductor Range AWG/MCM Min.	Max.	Dimensions in Inches L	W	H	B
KGM-04	#8	#4	1⅛	1⅛	1⅜	⅜
KGM-22	4	2/0	1⅝	1¼	1⅝	⅜
KGM-25	2/0	250	2	1⅜	1 13/16	7/16
KGM-50	300	500	2⅜	1½	2 9/16	½
KGM-75	550	750	2⅞	1¾	2⅝	⅝
KGM-92	800	1000	3⅜	2	2⅞	⅝



Type KGM



Top View

All Copper Alloy Ground Connectors

Specification Grade

Type LG
One bolt

Type MG
Two bolts

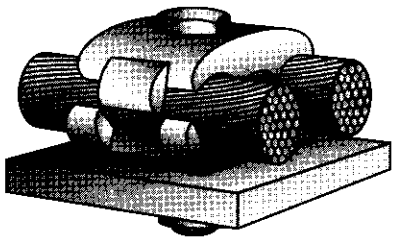
Use:
For connecting two parallel cables of the same or varying sizes to any flat surface. Installation of connectors is simplified by HEX-CUP construction. Cables are gripped by the interlocking clamp, used throughout the line of ground devices. Copper alloy body and silicon bronze bolts, nuts and lock washers make a completely corrosion resistant fitting and permit high pressure to be applied - insuring a positive ground connection. The two Types LG and MG differ only in the number of fastening bolts as shown.

Third Party Certification:
Type MG
UL Listed: E-24264

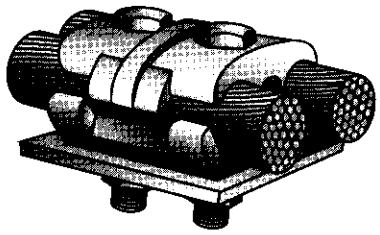
Type MG & Type LG
CSA Certified: 15978

Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41

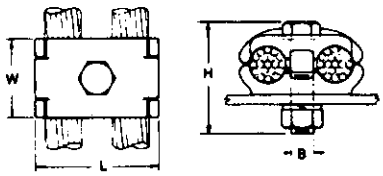
Note:
Bolts furnished will fasten connector to plate up to ¼" thick. Longer bolts will be furnished when necessary if plate thickness is specified.

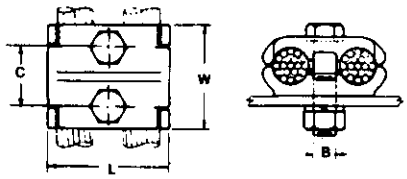


Type LG



Type MG





Catalog Number	Conductor Range AWG/MCM Min.	Max.	Dimensions in Inches L	W	H	B
LG-04	#8	#4	1⅛	1⅛	1⅜	⅜
LG-22	4	2/0	1¾	1¼	1¾	⅜
LG-25	2/0	250	2⅛	1½	2 1/16	7/16
LG-50	300	500	2⅞	1¾	2 9/16	½
LG-75	550	750	3½	2	2⅞	⅝
LG-92	800	1000	3⅞	2¼	3⅛	⅝

Catalog Number	Conductor Range Either Side Min.	Max.	Dimensions in Inches L	W	H	B	C
MG-04	#8	#4	1⅛	1½	1⅜	5/16	7/16
MG-22	4	2/0	1¾	1¾	1¾	⅜	1
MG-25	2/0	250	2⅛	1¾	2 1/16	⅜	1
MG-50	300	500	2⅞	2⅛	2 9/16	7/16	1¼
MG-75	550	750	3½	2⅜	2⅞	½	1⅜
MG-92	800	1000	3⅞	3	3⅛	⅝	1⅝

Type MG are suitable for direct burial.

All Copper Alloy Ground Connectors

Specification Grade

Type QG

Use:
This Ground Connector affords a means of connecting a cable to a flat surface. The ground conductor is looped in the groove of the fitting and clamped securely by the pressure plate. The high copper content of this fitting insures high conductivity and the silicon bronze bolt, nut and lock washer complete the corrosion-resistant fitting.

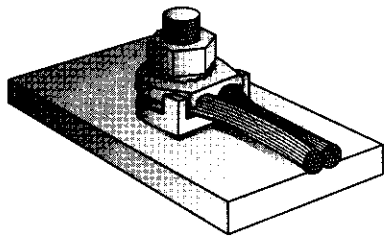
Third Party Certification:
UL Listed: E-24264

CSA Certified: 15978

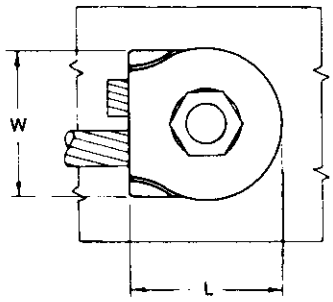
Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41

Note:
Bolts furnished will fasten connector to plate up to 1/4" thick. Longer bolts will be furnished when necessary if plate thickness is specified.

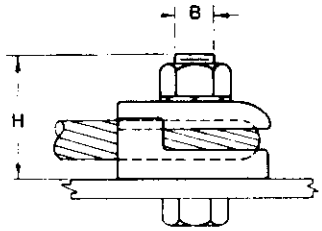
Catalog Number	Conductor Range AWG/MCM Min.	Max.	Dimensions in Inches B	L	W	H
QG-01	#8	#1	3/8	1 3/8	1 3/8	1 1/8
QG-21	6	1/0	3/8	1 9/16	1 9/16	1 1/4
QG-24	1	4/0	1/2	2	2	1 1/2
QG-30	1/0	300	1/2	2 3/8	2 3/8	1 3/4



Type QG



Top View



Type VG

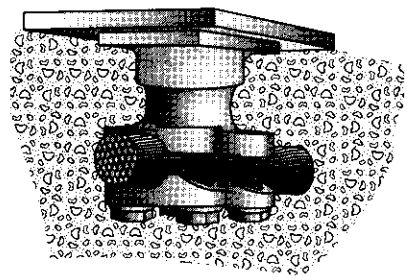
Use:
These ground connectors are attached to a ground cable in the floor or wall base, and after the concrete is poured a 2" x 2" flat plate is left exposed flush with the surface. The connectors may be located at pre-determined locations, or if set at intervals throughout the floor or wall base, a ground pad id always readily available for grounding electrical equipment.

Third Party Certification:
UL Listed: E-24264

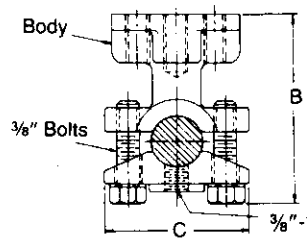
Applicable Third Party Standards:
UL Standard 467

Catalog Number	Conductor Range AWG/MCM Min.	Max.	Dimensions in Inches A	B	C	E
*VG-21-2	#4	#1/0	2	2 1/16	2 1/8	1 3/8
*VG-24-2	2/0	4/0	2	2 1/16	2 1/8	1 3/8
*VG-50-2	250	500	2	2 13/16	2 1/4	2
*VG-92-2	750	1000	2	3	2 5/8	2
**VG-21-4	4	1/0	2	2 1/16	2 1/8	1 3/8
**VG-24-4	2/0	4/0	2	2 1/16	2 1/8	1 3/8
**VG-50-4	250	500	2	2 13/16	2 1/4	2
**VG-92-4	750	1000	2	3	2 5/8	2

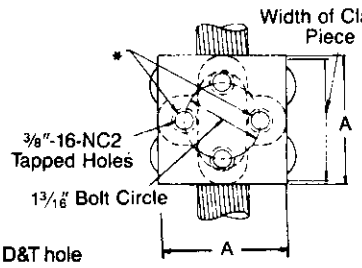
*Two Tapped Holes
**Four Tapped Holes



Type VG



3/8"-16 D&T hole provided for mounting fitting on supporting rod



Top View

Cable Tray Ground Clamp

Type CTGC

Use:
Terminates ground wire to cable tray.

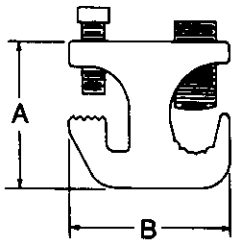
Features:
- For aluminum or copper conductors.
- ¼" hex wrench tightens both tray and conductor set screws.
- Tray-gripping serrations bite through surface oxide on aluminum tray.
- Standard size conductor range: #6AWG to 250 MCM

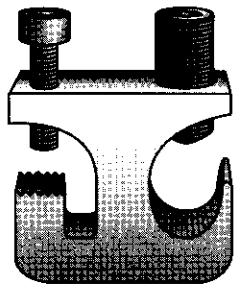
Material/Finish:
Clamp - Extruded Aluminum/Tin Plated
Screws - Steel/Zinc Plated

Third Party Certification:
UL Listed: E-24264
CSA Certified: LR9795
For copper conductors only.

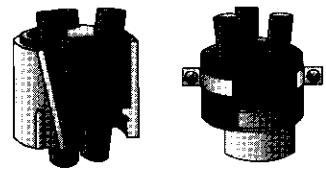
Applicable Third Party Standards:
UL Standard: 467
CSA Standard: C22.2 No. 41
NEC 250-77 and 318-6

Catalog Number	Dimensions in Inches A	B
CTGC-6-25A	2	1¾

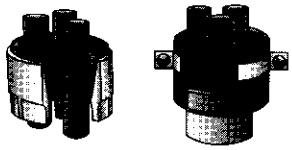




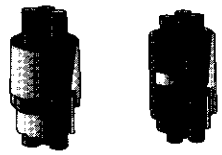
Type CTGC



Cable Supports for Up to 600 Volts QA3-QA5

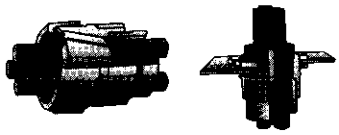


Cable Supports for All Voltages QA4-QA6

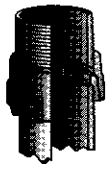


Ventilating Compound Type Cable Supports QA7-QA8

Non-Ventilating Compound Type Cable Supports QA9

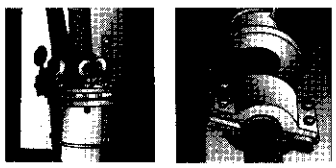


Specialty Cable Supports QA10-QA12



Conduit Ventilators QA13

Grounding Lugs for Mounting on O-Z/Gedney Fittings QA14



Wire Armor Cable Supports QA15

Cable Supports

General Information

Cable Supports are used to support cables in vertical raceways or risers. Cables, when they are supported, relieve the strain that would be placed on the interior of panels or other devices to which the cables are connected. Properly designed cable supports must not only be capable of supporting a given weight of cable with a good margin of safety but must also support the cable without damaging the insulation or excessively reducing the amount of insulation over the conductor in the area where the cable is supported. O-Z/Gedney has been furnishing Cable Supports to the electrical industry for over 75 years that meet these requirements.

The National Electrical Code for Cable Supports reads as follows: Section 300-19. Supporting Conductors in Vertical Raceways
A) Spacing Intervals – Maximum. Conductors in vertical raceways shall be supported.One cable support shall be provided at the top of the vertical raceway or as close to the top as practical, plus a support for each additional interval of spacing as specified in Table 300-19(a).

TABLE 300-19(a). SPACING FOR CONDUCTOR SUPPORTS

AWG or Circular-Mil Size of Wire	Conductors Support of Conductors in Vertical Raceways	Aluminum or Copper-Clad Aluminum	Copper
18 AWG - 8 AWG	Not greater than	100 feet	100 feet
6 AWG - 0 AWG	Not greater than	200 feet	100 feet
2/0 AWG - 4/0 AWG	Not greater than	180 feet	80 feet
over 4/0 AWG - 350 MCM	Not greater than	135 feet	60 feet
over 350 MCM - 500 MCM	Not greater than	120 feet	50 feet
over 500 MCM - 750 MCM	Not greater than	95 feet	40 feet
over 750 MCM	Not greater than	85 feet	35 feet

The chart below indicates the support we recommend for several of the most common applications.

Application	Recommended O-Z/Gedney Cable Supports	Page
Indoors – at voltages to 600V	Type S	QA3
Indoors – at voltages above 600V	Type R	QA4
Outdoors – vertical Steel conduit pole risers	Type CMT	QA7
Outdoors – vertical PVC conduit pole risers	Type V	QA9

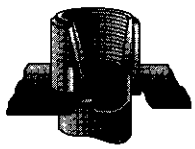
Cable Supports

General Information

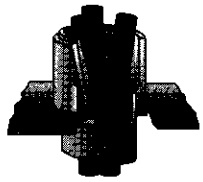
Two basic types of cable supports are offered for use with non-armored cable. They both utilize the pOZi-grip® Wedging Plug. pOZi-grip® is a unique manufacturing technique for lining the cable grooves with a coarse grain grit using a high strength epoxy adhesive. This grit improves the Cable Support holding power and does not injure the jacket or insulation on the cable. Other features of these types and their applications are illustrated below.

One Piece Plug Type

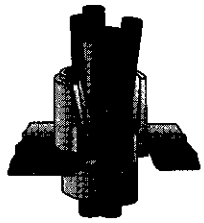
This type consists of a metal body having an insulating liner with a knurled and tapered inside surface and a one piece impregnated hardwood wedging plug having a groove for each wire. This type support is recommended for use with all types of non-armored cables 600 volts or less, as it is the easiest to install, impossible to install incorrectly and it provides ventilation of the conduit. This design is used in our Types "S" and "D" Cable Supports. The basic principles of their assembly are illustrated below.



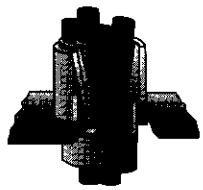
1 Screw body on the end of the conduit or connector in place of the regular insulating bushing.



2 Pull wires and arrange temporary means of support.



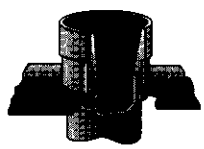
3 a. Remove all pulling compound from wires in the area where they pass through the cable support.
b. Place the plug between the wires as close to the top of the body as possible. (Where more than one wire size is involved, care should be taken to locate each in the proper groove.)



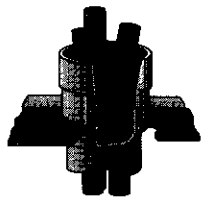
4 Tap the plug firmly into the support body.

Multiple Segment Plug Type

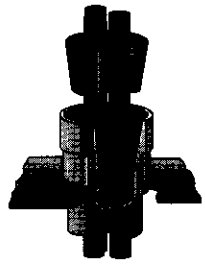
This type consists of an all metal body having a tapered inner surface and a canvas bakelite multiple segment wedging plug so constructed that each cable is supported between grooves in adjacent segments. This construction provides the uniform pressure distribution required by the softer types of insulations frequently used at higher voltages. This design is used in no-ventilating types "R," "DR," "W," "C," "K" and "M," and Ventilating Compound Types "CMT," and "V." The basic principles of their assembly are illustrated below.



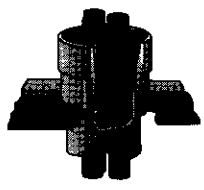
1 Screw body on the end of the conduit or connector in place of the regular insulating bushing.



2 Pull wires and arrange temporary means of support.



3 a. Remove all pulling compound from wires in the area where they pass through the cable support.
b. Place the segments of the plug around the wires. Where more than two segments are involved the top of each plug segment has numbers at each end and it is important that these are paired with the corresponding numbers on the adjacent plug segments.



4 Drive the plug segments evenly and hard into the support body.

Cable Supports

For Threaded Rigid Conduit & IMC† with pOZi-grip® Wedging Plug

Type S

For two or more wires

Use:
For supporting non-armored electrical cables in vertical conduit risers.

Features:
- Use with all types of insulations at voltages to and including 600V.
- The fastest and easiest type cable support to install.
- The knurled insulating inner surface and impregnated hardwood pOZi-grip Plug provide positive support well in excess of code requirements.

Material/Finish:
Bodies of fittings are Malleable or Ductile iron with Hot Dip Galvanized Finish.

Optional Material/Finish:
Bodies of fittings are also available in cast aluminum. Contact your local representative.

Specify:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameters of each conductor

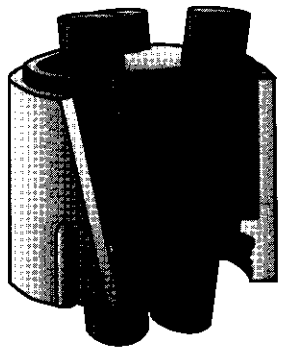
Third Party Certification:
UL Listed: E-11853
CSA Certified: 11584

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
NEC 300-19

Note:
Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.

†For EMT or plastic conduit, the above standard fittings can be used on the male thread of an EMT connector or plastic adapter. For fibre conduits, asbestos cement ducts or special applications of EMT, set screw type fittings can be furnished at a price addition.

ESP EXPRESS SHIPMENT PROGRAM
✔Denotes ESP Availability



Type S

Conduit Size		Catalog Number: Complete Fitting 2-4 Same Size Wires	Complete Fitting 5 or More or Different Size Wires	Complete Fitting Body Only	Plug Only 2-4 Same Size Wires	Plug Only 5 or More or Different Size Wires	Dim. in Inches Outside Diameter	Dim. in Inches Overall Height
1½"	✔	S-1500-1	S-1500-2	S-1500-BO	SPLG-1500-1	SPLG-1500-2	2⅝	2⅜
2"	✔	S-2000-1	S-2000-2	S-2000-BO	SPLG-2000-1	SPLG-2000-2	3⅛	2⅝
2½"	✔	S-2500-1	S-2500-2	S-2500-BO	SPLG-2500-1	SPLG-2500-2	3¾	3
3"	✔	S-3000-1	S-3000-2	S-3000-BO	SPLG-3000-1	SPLG-3000-2	4½	3⅛
3½"		S-3500-1	S-3500-2	S-3500-BO	SPLG-3500-1	SPLG-3500-2	5⅛	3½
4"	✔	S-4000-1	S-4000-2	S-4000-BO	SPLG-4000-1	SPLG-4000-2	5⅝	3⅞
5"		S-5000-1	S-5000-2	S-5000-BO	SPLG-5000-1	SPLG-5000-2	6⅞	4½
6"		S-6000-1	S-6000-2	S-6000-BO	SPLG-6000-1	SPLG-6000-2	8⅜	5½

Cable support plugs will not be supplied undrilled.

Cable Supports

For Threaded Rigid Conduit & IMC† with pOZi-grip® Wedging Plug

Type R

For one or more wires

Use:
For supporting non-armored electrical cables in vertical conduit risers.

Features:
- Use with all types of insulations at all voltages
- The pOZi-grip Wedging Plug exerts uniform pressure around the cable, providing holding force in excess of that required by code without deforming cable insulation.

Material/Finish:
Bodies of fittings are Malleable or Ductile iron with Hot Dip Galvanized Finish.

Optional Material/Finish:
Bodies of fittings are also available in cast aluminum. Contact your local representative.

Third Party Certification:
UL Listed: E-11853

CSA Certified: 11584

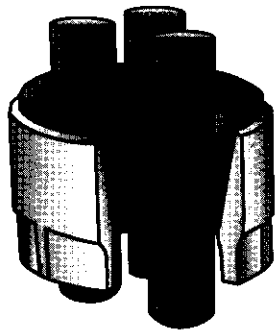
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
NEC 300-19

Note:
Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.

†For EMT or Plastic Conduit, the above standard fittings can be used on the male thread of an EMT connector or plastic adapter. For Fibre Conduits, Asbestos Cement Ducts or special applications of EMT, set screw type fittings can be furnished at a price addition.

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability



Type R

Conduit Size	Catalog Number: Complete Fitting 1-4 Same Size Wires	Complete Fitting 5 or More or Different Size Wires	Body Only	Plug Only 2-4 Same Size Wires	Plug Only 5 or More or Different Size Wires	Dim. in Inches: Outside Diameter	Approx. Overall Height
1½"	✔ R-1501-1	R-1501-2	R-1501-BO	RPLG-1501-1	RPLG-1501-2	2⅝	2⅜
2"	✔ R-2001-1	R-2001-2	R-2001-BO	RPLG-2001-1	RPLG-2001-2	3	2¾
2½"	✔ R-2501-1	R-2501-2	R-2501-BO	RPLG-2501-1	RPLG-2501-2	3⅝	3⅛
3"	✔ R-3001-1	R-3001-2	R-3001-BO	RPLG-3001-1	RPLG-3001-2	4⅛	3⅜
3½"	R-3501-1	R-3501-2	R-3501-BO	RPLG-3501-1	RPLG-3501-2	4⅞	3⅝
4"	✔ R-4001-1	R-4001-2	R-4001-BO	RPLG-4001-1	RPLG-4001-2	5⅝	3¾
5"	R-5001-1	R-5001-2	R-5001-BO	RPLG-5001-1	RPLG-5001-2	6¾	4⅜
6"	R-6001-1	R-6001-2	R-6001-BO	RPLG-6001-1	RPLG-6001-2	7⅞	5¼

Cable support plugs will not be supplied undrilled.

TO ORDER SPECIFY:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameters of each conductor

Cable Supports

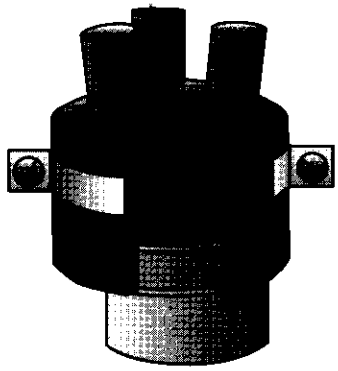
For Threaded Rigid Conduit & IMC† with pOZi-grip® Wedging Plug

Type D Split

For two or more wires already installed in conduit.

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability



Type D

Use:

• For supporting non-armored electrical cables in vertical conduit risers.

The two halves of the body are placed around the cables, seated on the existing bushing and securely held together by the steel band set ina groove around the body. The plug is then wedged between the cables.

Features:

• Use with all types of insulations at voltages to and including 600V.
• The tapered, knurled insulating inner body surface and pOZi-grip plug provide support well in excess of code requirements.

Material/Finish:

Bodies are two molded canvas Bakelite halves. Inside surface is knurled to grip cables. Steel band – zinc plated. Bolts & nuts are stainless steel.

Specify:

1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameters of each conductor

Third Party Certification:

UL Listed: E-11853

CSA Certified: 11584

Applicable Third Party Standards:

UL Standard: 514B
CSA Standard C22.2 No. 18
NEC 300-19

Note:

Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.

†For EMT or Plastic Conduit, the above standard fittings can be used on the male thread of an EMT connector or plastic adapter. For Fibre Conduits, Asbestos Cement Ducts or special applications of EMT, set screw type fittings can be furnished at a price addition.

Conduit Size	Catalog Number 2-4 Same Size Wires	Catalog Number 5 or More or Different Size Wires	Outside Diameter	Approx. Overall Height	Turning Radius	Inside Diameter Skirt
			Dimensions in Inches			
1½"	✔ D-1502-1	✔ D-1502-2	2⅝	2	2	2¼
2"	✔ D-2002-1	✔ D-2002-2	3¼	2¼	2⅜	2⅞
2½"	✔ D-2502-1	✔ D-2502-2	3⅞	2½	3	3⅜
3"	✔ D-3002-1	✔ D-3002-2	4½	2⅞	3⅛	4
3½"	D-3502-1	D-3502-2	5¼	3⅜	3⅝	4⅝
4"	✔ D-4002-1	✔ D-4002-2	5¾	3½	3⅞	5⅛
5"	D-5002-1	D-5002-2	6¾	3¾	4¾	6¼
6"	D-6002-1	D-6002-2	8¼	4⅝	5¼	7⅜

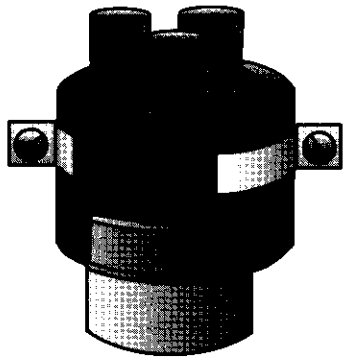
Cable support plugs will not be supplied undrilled.

Cable Supports

For Threaded Rigid Conduit & IMC† with pOZi-grip® Wedging Plug

Type DR Split

For one or more wires already installed in conduit.



Type DR

Use:
For supporting non-armored electrical cables in vertical conduit risers.

Features:
- Use with all types of insulations at all voltages.
- The Type DR support is similar to the Type D except that its design incorporates the principles of the Type R support shown on Page QA4.

Material/Finish:
Bodies are two molded canvas Bakelite halves. Canvas Bakelite pOZi-grip Wedging Plug. Steel band – zinc plated. Bolts and nuts are stainless steel.

Third Party Certification:
UL Listed: E-11853

CSA Certified: 11584

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard C22.2 No. 18
NEC 300-19

Note:
Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.

†For EMT or Plastic Conduit, the above standard fittings can be used on the male thread of an EMT connector or plastic adapter. For Fibre Conduits, Asbestos Cement Ducts or special applications of EMT, set screw type fittings can be furnished at a price addition.

Conduit Size	Catalog Number: 1-4 Same Size Wires	Catalog Number: 5 or More or Different Size Wires	Dimensions in Inches: Outside Diameter	Approx. Overall Height	Turning Radius	Inside Diameter Skirt
1½"	DR-1502-1	DR-1502-2	2⅝	2	2	2¼
2"	DR-2002-1	DR-2002-2	3¼	2¼	2⅜	2⅞
2½"	DR-2502-1	DR-2502-2	3⅞	2½	3	3⅜
3"	DR-3002-1	DR-3002-2	4½	2⅞	3⅛	4
3½"	DR-3502-1	DR-3502-2	5¼	3⅜	3⅝	4⅝
4"	DR-4002-1	DR-4002-2	5¾	3½	3⅞	5⅛
5"	DR-5002-1	DR-5002-2	6¾	3¾	4¾	6¼
6"	DR-6002-1	DR-6002-2	8¼	4⅝	5¼	7⅜

Cable support plugs will not be supplied undrilled.

TO ORDER SPECIFY:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameters of each conductor

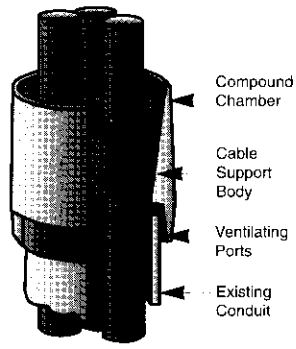
Cable Supports

For Threaded Rigid Conduit & IMC with pOZi-grip® Wedging Plug

Type CMT

Ventilating,, compound, threaded type. For one or more wires.

✔Denotes ESP Availability



Type CMT

Use:
To support non-armored electrical cables in vertical conduit risers, furnish a weather-proof seal and provide ventilation at the top of the conduit.

Features:
- Use with all types of insulations at all voltages.
- This support not only supports the cable, but furnishes a means of effecting a weather-proof seal and provides ventilation at the top of the conduit riser.
- It has been established that the temperature in a riser can be reduced 15° to 20°F with proper venting, to obtain full effect of this decrease, the lower end of the conduit must be open or vented by use of the conduit ventilators shown on Page QA13.

Material/Finish:
Malleable or Ductile Iron Body/ Hot Dip Galvanized.

Third Party Certification:
UL Listed: E-11853

Applicable Third Party Standards:
UL Standard: 514B
NEC 300-19

Filling compound not included. See Page RA15 for separate listing of compound.

These supports can be supplied for fibre conduit on request at additional cost.

Note:
Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.

	Catalog Number							
	Complete Fitting			Plug Only		Dimensions in Inches		Approx.
Conduit Size	1-4 Same Size Wires*	5 or More or Different Size Wires	Body Only	2-4 Same Size Wires	5 or More or Different Size Wires	Outside Diameter	Overall Height	Compound Required Pints
2"	✔ CMT-2000-1	CMT-2000-2	CMT-2000-BO	RPLG-2001-1	RPLG-2001-2	3⅛	3½	¼
2½"	✔ CMT-2500-1	CMT-2500-2	CMT-2500-BO	RPLG-2501-1	RPLG-2501-2	3⅞	4	½
3"	✔ CMT-3000-1	CMT-3000-2	CMT-3000-BO	RPLG-3001-1	RPLG-3001-2	4½	4⅜	½
3½"	CMT-3500-1	CMT-3500-2	CMT-3500-BO	RPLG-3501-1	RPLG-3501-2	5	4¾	⅜
4"	✔ CMT-4000-1	CMT-4000-2	CMT-4000-BO	RPLG-4001-1	RPLG-4001-2	5½	5	1
5"	CMT-5000-1	CMT-5000-2	CMT-5000-BO	RPLG-5001-1	RPLG-5001-2	7⅛	5⅝	1¾
6"	CMT-6000-1	CMT-6000-2	CMT-6000-BO	RPLG-6001-1	RPLG-6001-2	8¼	6¾	3½

Cable support plugs will not be supplied undrilled.

TO ORDER SPECIFY:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameters of each conductor

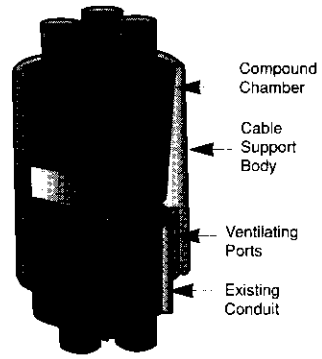
Cable Supports

All Bakelite Cable Support For Threaded Rigid Conduit & IMC with pOZi-grip® Wedging Plug

Type V

Ventilating, Compound.

For one or more wires.



Type V

Use:
To support non-armored electrical cables in vertical conduit risers, furnish a weatherproof seal and provide ventilation at the top of the conduit.

Features:
• Use with all types of insulations at all voltages.
• A special cable support made of Canvas Bakelite. This support furnishes a means of effecting a weatherproof seal and provides ventilation at the top of the conduit riser. It has been established that the temperature in a riser can be reduced 15° to 20°F with proper venting. To obtain full effect of this decrease, the lower end of the conduit must be open or vented by use of the Conduit Ventilators shown on Page QA13 of this section.

Material/Finish:
Canvas Bakelite Body

Conduit Size	Catalog Number: Complete Fitting, 1-4 Same Size Wires	Complete Fitting, 5 or More or Different Size Wires	Body Only	Plug Only, 1-4 Same Size Wires	Plug Only, 5 or More or Different Size Wires	Dimensions in Inches: Maximum Diameter	Approx. Overall Height	Approx. Compound Required Pints
2"	V-2005-1	V-2005-2	V-2005-BO	RPLG-2001-1	RPLG-2001-2	3¼	3¾	¼
2½"	V-2505-1	V-2505-2	V-2505-BO	RPLG-2501-1	RPLG-2501-2	3¾	4⅛	⅓
3"	V-3005-1	V-3005-2	V-3005-BO	RPLG-3001-1	RPLG-3001-2	4⅜	4½	½
3½"	V-3505-1	V-3505-2	V-3505-BO	RPLG-3501-1	RPLG-3501-2	5	5	¾
4"	V-4005-1	V-4005-2	V-4005-BO	RPLG-4001-1	RPLG-4001-2	5⅜	5⅜	1
5"	V-5005-1	V-5005-2	V-5005-BO	RPLG-5001-1	RPLG-5001-2	6⅞	6	1¼

Cable support plugs will not be supplied undrilled.

Specify:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameters of each conductor

Can be supplied for thin wall conduit EMT.

Can also be supplied for standard tapered ends of fibre conduit. Price on application. Filling compound not included. See Page RA15 for separate listing of compound.

Third Party Certification:
UL Listed: E-11853

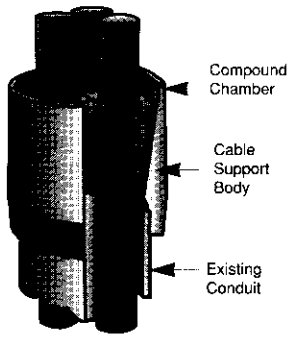
Applicable Third Party Standards:
UL Standard: 514B
NEC 300-19

Cable Supports

For Rigid Conduit & IMC with pOZi-grip® Wedging Plug

Type C Compound

Non-ventilating. For one or more wires.



Type C

Use:
To seal end of conduit and support non-armored electrical cables in vertical conduit risers. Use with all types of insulations at all voltages.

Features:
- Use with all types of insulations at all voltages.
- The Type C support not only supports the cable, but furnishes a means of effecting a watertight seal at the top of a conduit riser.

Material/Finish:
Malleable or Ductile Iron Body/Hot Dip Galvanized.

Specify:
1 Catalog Number
2 Type of conductor
3 Number of conductors in conduit
4 Outside diameter of each conductor
Cable support plugs will not be supplied undrilled.

Filling compound not included.
See page RA15 for separate listing of compound.

Conduit Size	Catalog Number: Complete Fitting 1-4 Same Size Wires*	Complete Fitting 5 or More or Different Size Wires	Body Only	Plug Only 1-4 Same Size Wires*	Plug Only 5 or More or Different Size Wires	Dimensions in Inches: Maximum Diameter	Approx. Overall Height	Approx. Compound Required Pints
2"	C-2004-1	C-2004-2	C-2004-BO	RPLG-2001-1	RPLG-2001-2	3⅛	3½	¼
2½"	C-2504-1	C-2504-2	C-2504-BO	RPLG-2501-1	RPLG-2501-2	3⅞	4	⅓
3"	C-3004-1	C-3004-2	C-3004-BO	RPLG-3001-1	RPLG-3001-2	4½	4⅜	½
3½"	C-3504-1	C-3504-2	C-3504-BO	RPLG-3501-1	RPLG-3501-2	5	4¾	⅔
4"	C-4004-1	C-4004-2	C-4004-BO	RPLG-4001-1	RPLG-4001-2	5½	5	1
5"	C-5004-1	C-5004-2	C-5004-BO	RPLG-5001-1	RPLG-5001-2	7⅛	5⅝	1¾
6"	C-6004-1	C-6004-2	C-6004-BO	RPLG-6001-1	RPLG-6001-2	8¼	6¾	3½

Cable support plugs will not be supplied undrilled.

Optional:
Can also be supplied for EMT or fibre conduit on request at a price addition.

Third Party Certification:
UL Listed: 11853

Applicable Third Party Standards:
UL Standard: 514B
NEC 300-19

Note:
*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.

Cable Supports

For Threaded Rigid Conduit & IMC with pOZi-grip® Wedging Plug

Type K Lock

Use:
Can be installed in horizontal or inverted position. For supporting non-armored electrical cables in conduit. Use with all types of insulations at all voltages.

Features:
• Use with all types of insulations at all voltages.
• The design of this support is similar to the Type R shown on Page QA4, except that is it is equipped with a locking collar which securely holds the pOZi-grip Wedging Plug in place. This permits the support to be installed in any position and provides holding force against pull in either direction.

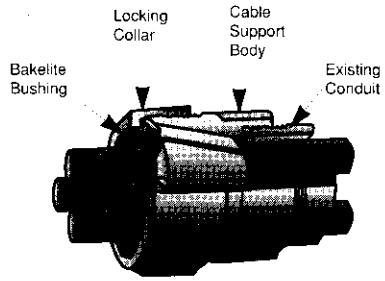
Material/Finish:
Malleable or Ductile Iron Body and Collar /Hot Dip Galvanized

Specify:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameters of each conductor

Third Party Certification:
UL Listed: 11853

Applicable Third Party Standards:
UL Standard: 514B
NEC 300-19

Note:
*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.



Type K

Conduit Size	Catalog Number: Complete Fitting 1-4 Same Size Wires*	Complete Fitting 5 or More or Different Size Wires	Body•	Plug Only 1-4 Same Size Wires*	Plug Only 5 or More or Different Size Wires	Dimensions in Inches: Outside Diameter	Approx. Overall Height
1½"	K-1503-1	K-1503-2	K-1503-BO	RPLG-1501-1	RPLG-1501-2	2⅞	2¾
2"	K-2003-1	K-2003-2	K-2003-BO	RPLG-2001-1	RPLG-2001-2	3⅜	3⅛
2½"	K-2503-1	K-2503-2	K-2503-BO	RPLG-2501-1	RPLG-2501-2	4	3⅛
3"	K-3003-1	K-3003-2	K-3003-BO	RPLG-3001-1	RPLG-3001-2	4½	3¾
3½"	K-3503-1	K-3503-2	K-3503-BO	RPLG-3501-1	RPLG-3501-2	5⅛	4
4"	K-4003-1	K-4003-2	K-4003-BO	RPLG-4001-1	RPLG-4001-2	6¼	4⅜
5"	K-5003-1	K-5003-2	K-5003-BO	RPLG-5001-1	RPLG-5001-2	7⅜	4⅞
6"	K-6003-1	K-6003-2	K-6003-BO	RPLG-6001-1	RPLG-6001-2	8⅜	5¾

• Includes Locking Collar and Bushing.

Cable support plugs will not be supplied undrilled.

Cable Supports

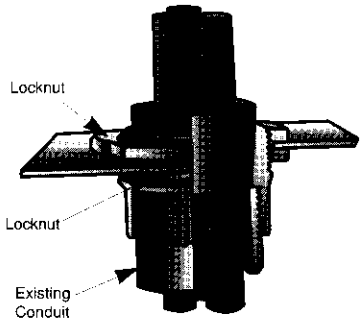
For Threaded Rigid Conduit & IMC with pOZi-grip® Wedging Plug

Type M

With Male Conduit Thread

Use:
Where there is insufficient room for a cable support inside a junction box. For supporting non-armored electrical cables in vertical conduit risers.

Features:
• Use with all types of insulations at all voltages.
• This fitting is similar to the Type "R" support, except that it is threaded at the top to allow fastening to a cabinet (¼" max. thickness) with standard locknuts or threading into tapped (NPT) openings.



Type M

Conduit Size	Catalog Number: Complete Fitting 1-4 Same Size Wires*	Complete Fitting 5 or More or Different Size Wires	Complete Fitting Body Only	Plug Only 1-4 Same Size Wires*	Plug Only 5 or More or Different Size Wires	Dimensions in Inches: Top Thread Length	Max. Body Dia.	Approx. Overall Height	Size Top Male Thd
1½"	M-1520-1	M-1520-2	M-1520-BO	RPLG-1501-1	RPLG-1501-2	1	2⅝	2¼	2"
2"	M-2025-1	M-2025-2	M-2025-BO	RPLG-2001-1	RPLG-2001-2	1⅛	3	2⅝	2½"
2½"	M-2530-1	M-2530-2	M-2530-BO	RPLG-2501-1	RPLG-2501-2	1¼	3⅝	2⅞	3"
3"	M-3035-1	M-3035-2	M-3035-BO	RPLG-3001-1	RPLG-3001-2	1⅜	4⅛	3⅛	3½"
3½"	M-3540-1	M-3540-2	M-3540-BO	RPLG-3501-1	RPLG-3501-2	1½	4⅞	3⅜	4"
4"	M-4050-1	M-4050-2	M-4050-BO	RPLG-4001-1	RPLG-4001-2	1⅝	5⅝	3¾	5"
5"	M-5060-1	M-5060-2	M-5060-BO	RPLG-5001-1	RPLG-5001-2	1⅜	6¾	4⅛	6"

Cable support plugs will not be supplied undrilled.

Material/Finish:
Bodies of fittings are malleable iron castings with Hot Dip Galvanized finish.

Specify:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameter of each conductor

Can be supplied for EMT and fibre conduit at a price addition.

Third Party Certification:
UL Listed: 11853

Applicable Third Party Standards:
UL Standard: 514B
NEC 300-19

Note:
*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these fittings.

Cable Supports

For Threaded Rigid Conduit & IMC with pOZi-grip® Wedging Plug

Type W

Raintight Enclosed

For one or more wires

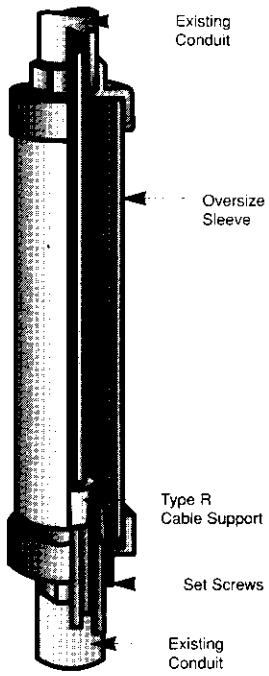
Use:
• Use with all types of insulations at all voltages.
• To provide intermediate support in an outdoor vertical conduit run where no junction box is available For supporting non-armored electrical cables. Use with all types of insulations at all voltages.

Features:
• The Type W support is essentially a Type R support within a raintight enclosure. Instruction Sheet No. 73396-B furnished.

Material:
Oversize sleeve-steel cable support body and end fittings are malleable iron.

Finish:
Hot Dip Galvanized

Specify:
1 Catalog Number
2 Type and number of conductors in conduit
3 Outside diameter of each conductor



Type W

Conduit Size	Catalog Number: 1-4 Same Size Wires, Fitting With Sleeve	Catalog Number: 1-4 Same Size Wires, Fitting Without Sleeve	Catalog Number: 5 or more Diff. Size Wires, Fitting With Sleeve	Catalog Number: 5 or more Diff. Size Wires, Fitting Without Sleeve	Sleeve Furnished With Fitting: Trade Size	Sleeve Furnished With Fitting: Length	Dimensions in Inches: Maximum Diameter	Dimensions in Inches: Length of Fitting, Fitting Closed	Dimensions in Inches: Length of Fitting, Fitting Open (Min.)
1½"	W-1508-1-OS	W-1508-1-LS	W-1508-2-OS	W-1508-2-LS	2½	12"	3⅜	15½	26
2"	W-2008-1-OS	W-2008-1-LS	W-2008-2-OS	W-2008-2-LS	3	15"	4	18¾	31¾
2½"	W-2508-1-OS	W-2508-1-LS	W-2508-2-OS	W-2508-2-LS	3½	15"	4⅝	19¼	32
3"	W-3008-1-OS	W-3008-1-LS	W-3008-2-OS	W-3008-2-LS	4	15"	5⅛	19¼	32
3½"	W-3508-1-OS	W-3508-1-LS	W-3508-2-OS	W-3508-2-LS	4½	18"	5¾	22½	37¾
4"	W-4008-1-OS	W-4008-1-LS	W-4008-2-OS	W-4008-2-LS	5	18"	6¼	22½	38
5"	W-5008-1-OS	W-5008-1-LS	W-5008-2-OS	W-5008-2-LS	7	18"	8⅜	23½	38¾
6"	W-6008-1-OS	W-6008-1-LS	W-6008-2-OS	W-6008-2-LS	8	18"	9½	24¼	39

Cable support plugs will not be supplied undrilled.

Conduit Ventilators

For Threaded Rigid Conduit & IMC

Type KVM

Female to Male

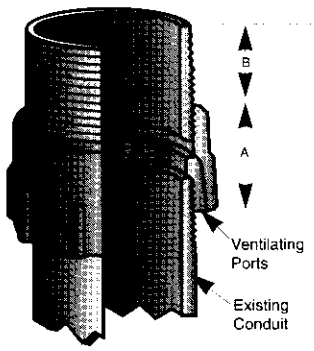
Type KVF

Female to Female

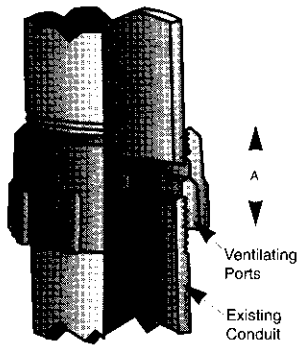
Use:
To provide for the movement of cooling air through a conduit riser.

Features:
• The Type KVF conduit ventilators when used at the bottom of a vertical conduit riser which is properly vented at the top, provides for the movement of cooling air through the riser. It has been established that the temperature in a riser can thus be reduced 15° to 20° F improving the service life of the cable and increasing its load-carrying capacity. The Type KVM conduit ventilator has a male thread at the top and is used in conjunction with a cable terminator or other device having a female thread where ventilation is desired.

Material/Finish:
Bodies of fittings are cast Aluminum. Type KVM nipple is steel. Zinc plated nipple is available in aluminum at additional cost, if specified.



Type KVM



Type KVF

Conduit Size	TYPE KVF Catalog Number	TYPE KVF Trade Size Top Female Thd.	TYPE KVM Catalog Number	TYPE KVM Ttrade Size Top Male Thd.	Dimensions in Inches Max. Dia.	A.	B Approx.
1½"	KVF-1515	1½"	KVM-1515	1½"	2¾	1¾	1
2"	KVF-2020	2"	KVM-2020	2"	3¼	1¾	1⅛
2½"	KVF-2525	2½"	KVM-2525	2½"	3⅞	2¼	1⅜
3"	KVF-3030	3"	KVM-3030	3"	4½	2¼	1½
3½"	KVF-3535	3½"	KVM-3535	3½"	5	2½	1½
4"	KVF-4040	4"	KVM-4040	4"	5½	2½	1⅝
5"	KVF-5050	5"	KVM-5050	5"	7¼	2⅞	1⅝
6"	KVF-6060	6"	KVM-6060	6"	8¼	2⅞	1¾

TO ORDER SPECIFY:
1 Catalog Number
2 Conduit size

Grounding Lugs

Factory Installed

Type G

For mounting on O-Z/Gedney fittings
Copper Plus™ Lay-In-Lug™
Grounding Wire Connectors

Use:
Provides a compact means of attaching a grounding or bonding conductor to an O-Z/Gedney fitting.

Features:
- Highly conductive tin-plated copper saddle for use with copper or aluminum conductors.
- Connector opening allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- These Grounding Wire Connectors are used on the Specification Insulated Grounding Bushings shown in Section DA.

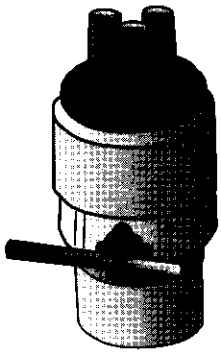
Material/Finish:
Grounding Saddle/Tin Plated Copper
Clamping Tension Body/Stainless Steel

Specify:
Add the suffix numbers shown in the table to the Catalog Number of the fitting.
EXAMPLE: R1501 Cable Support becomes R-1501-1-GO4.

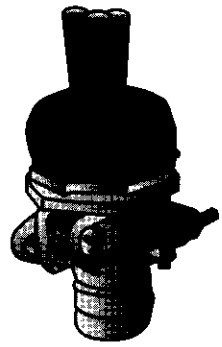
Third Party Certification:
UL Listed: E24264
CSA Certified: 11584
When used on O-Z/Gedney fittings listed in this catalog which are certified by CSA.

Applicable Third Party Standards:
UL Standard: 514B, 467
CSA C22.2 No. 18, 41

Note:
These grounding wire connectors are only furnished factory mounted to O-Z/Gedney fittings.



Type G
Mounted on Cable Support



Type G
Mounted on PK Clamp

Grounding Wire (1) Size Min.	Max	Fitting(2) Size	With Plated Steel Screws Suffix Number	With Stainless Steel Screws Suffix Number
14 CU only	4	½" to 6"	-G04	-G04-S
8 AL-CU	2/0	½" to 6"	-G22	-G22-S
6 AL-CU	4/0	2½" to 6"	-G24	-G24-S

(1) Solid or stranded fro No. 4 AWG or smaller; stranded for No. 2 or larger
(2) Indicates conduit sizes of fitting to which grounding wire connector can be mounted.

Cable Supports

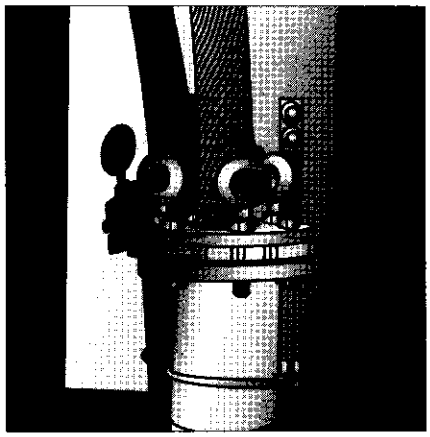
For Wire Armored Cable

Type F
Type FT
Type FS

Use:
For supporting wire armored cable in a vertical raceway. This is also used for supporting submarine cables.

Materials/Finish:
Steel/Hot Dip Galvanized

To Order Specify:
1 Type and Complete Description of Cable
2 Outside Diameter of Cable Over Wire Armor
3 Conduit Size (on FT series only)

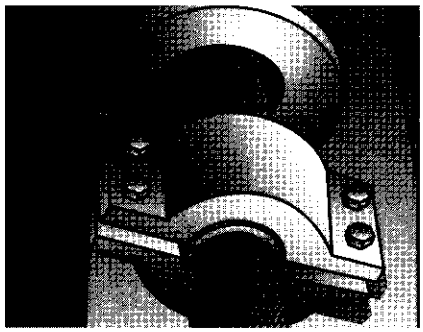


Upper End of Cable, Supported by Type F Cable Support

Type SF 1773

Auxiliary Supports

Special auxiliary support specified use at the lower end of a conduit riser may be provided as an added factor of safety. Similar types are often sued as intermediate supports when armored cable is run exposed. Refer to factory for details.

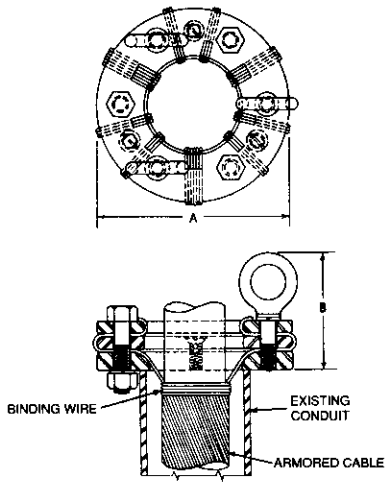


Type SF 1773

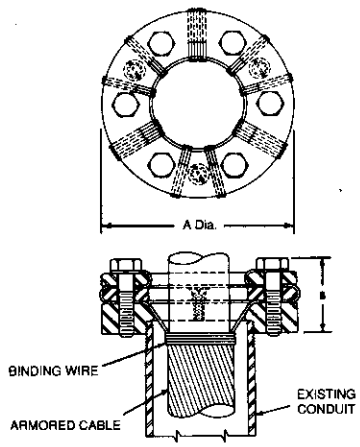
Max. Conduit Size	Max.* Cable Dia.	Catalog Number	Dim. in Inches A	B Approx.
3	2.0	F-3020	7	4¾
4	3.0	F-4030	8	4¾
5	4.0	F-5040	9	4¾
6	5.0	F-6050	10	6¼

Max. Conduit Size	Max.* Cable Dia.	Catalog Number	Dim. in Inches A	B Approx.
3	2.0	FT-3030	7	2⅛
4	3.0	FT-4030	8	2⅞
5	4.0	FT-5040	9	2⅞
6	5.0	FT-6050	10	4

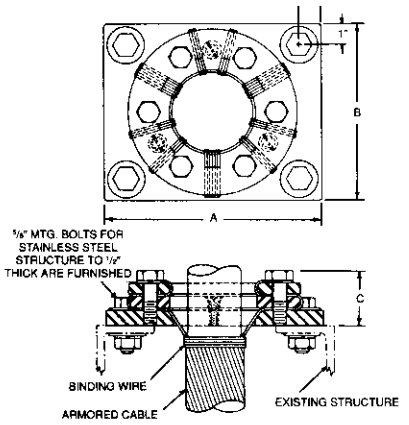
Cable* Dia.	Catalog Number	Dimensions in Inches A	B	C
2	FS-0720	9	7	2½
3	FS-0830	10	8	2½
4	FS-0940	11	9	2½
5	FS-1050	12	10	3½



Type F
For Use in Unthreaded Conduit

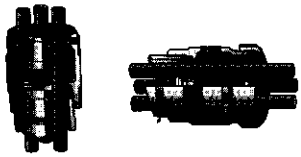


Type FT
For use in Threaded Conduit

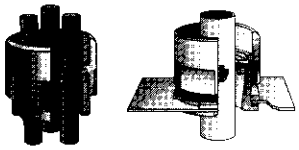


Type FS
For Use On An Existing Structure

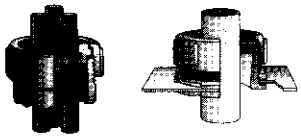
NOTE: *Over wire armor



Compound Cable Terminators RA3-RA6

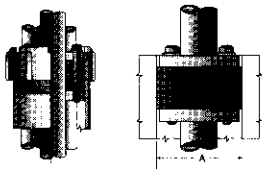


Compound Bushings RA7-RA8
Compound Support Bushings RA9-RA10



Sealing Bushings RA11-RA14

DOZ Seal Insulating Compound RA15



Conduit Sealing Bushings RA16-RA23

Cable Terminators

General Information

Purpose:
Cable Terminators and Sealing Fittings are used on conduit ends and cable ends to effectively seal the cable and conduit.

Where Installed:
- Wherever the jacket or sheath is removed from multi-conductor cable.
- Wherever it is desirable that the ends of conduit and cables be sealed against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.
- Wherever it is desirable to seal the entrance of exposed cable into cabinets, switchboards or terminal boxes.

Types:
Four basic types are offered as described below:

Figure 1: The **Terminator** body is deep enough to provide an ample compound chamber for use indoors or outdoors. A Canvas Bakelite Cover, either with or without taping cones, is provided to space and protect the cables. Instead of a cover, a female thread can be furnished for use with a short nipple or a flexible conduit adapter. The Terminator is recommended for sealing the ends of multi-conductor cables and for sealing the ends of conduit, and cables.

Figure 2: The **Compound Bushing** is more compact than the Terminator. Its compound chamber is not as deep. No cover or top thread is provided. It is for use in protected locations where space is limited.

Figure 3: The **Sealing Bushing** is similar to the compound Bushing except that a compound chamber is not provided. This fitting therefore is not recommended as a cable sealing device for use at the ends of multi-conductor cable. However, the conduit end is effectively sealed around the cable by neoprene gaskets for rubber type insulations. It is widely used to seal the ends of conduit against moisture, dust, corrosive atmospheres and objectionable gases. It is also used to seal conduit against the entrance of warm humid air which would otherwise condense inside the conduit.

Figure 4: These **Conduit Sealing Bushings** are used for sealing ends of conduit where cables emerge in applications involving higher fluid or gas pressures than can be handled by standard sealing bushings. These Conduit Sealing Bushings are compact and require only as much space inside a cabinet as an ordinary conduit bushing.

All of these illustrations show the Terminators and Sealing Fittings used with cable run in conduit. Each type is available for use with exposed cable. Terminators for many combinations of cable and conduit sealing devices other than those shown in the catalog can be made from standard parts. Information regarding such combinations to meet special job requirements will be gladly given on receipt of your request.

Water and Raintightness:
Terminators, Compound Bushings and Sealing fittings for cables having rubber types of insulations and jackets provide a watertight seal around the cables and at conduit ends, but the degree of seal at cabinet entrances depends on the type of cable entrance used. We invite inquiry regarding special sealing problems not covered in this catalog.

Voltage Ratings:
Since the insulation on the individual conductor is not disturbed in the terminator, it is not subject to a voltage rating any more than the conduit on which it is used. Furthermore, the DOZSEAL Insulating Compounds which are recommended for use in these devices have high dielectric strength. (See Page RA15 for listing of compounds.) Their use improves the insulation of the cable within the terminator and eliminates the possibility of any air or moisture being in contact with the cable insulation at this point.

Termination made with O-Z/Gedney Terminators are suitable for use at the voltage rating of the cable being used provided terminating kits are used where required.

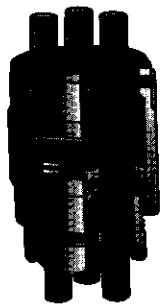


Figure 1

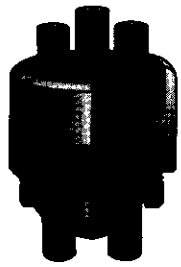


Figure 2

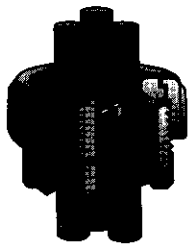


Figure 3

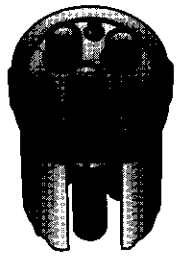


Figure 4

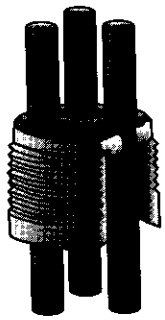
Cable Terminators

Assembly Procedure

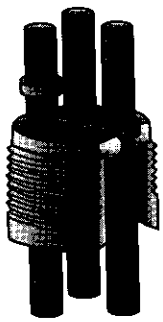
Blank Sealing Bushings and Terminators Containing Discs:
There are many types of fittings containing Bakelite discs and O-rings which can be safely drilled in the field by following our detailed instructions. "These fittings will perform satisfactorily only when properly machined to the actual dimensions for the specific O.D. of cable used. Detailed instruction sheets containing layout data and special assembly procedures are supplied with blank fittings. Failure to comply may result in compound leakage and/or loss of seal around cable. O-Z/Gedney is not responsible for any field machined or modified fittings."

Note:
Refer to Sections TA, TB for Armored/Metal Cable Terminators.

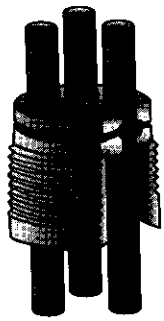
The basic principles used throughout the line of O-Z/Gedney Terminators covering their use with Rubber Covered Cables are clearly illustrated in this assembly.



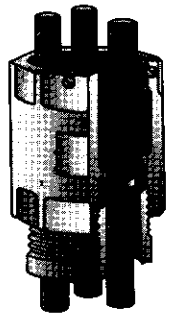
1 After cables are prepared, Bakelite seating disc with properly drilled holes is slipped over cables and set into the conduit.



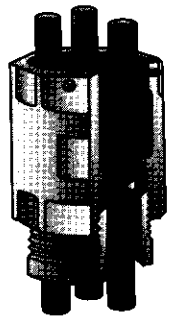
2 Neoprene rings, are placed around the cables and set into recesses in the sealing disc.



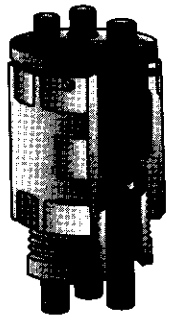
3 A Canvas Bakelite pressure disc is passed over the cables and set on top of the neoprene rings, holding them firmly in place.



4 The body is then screwed directly on the conduit, clamping the discs and applying pressure to the neoprene rings.



5 Compound is heated to the proper temperature and the body filled to the height of the set screws, making a complete seal.



6 Before compound sets, Canvas Bakelite top cover is passed over the conductors, pushed down into the hot compound and secured by set screws.

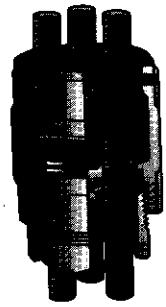
Cable Terminators

With Compound Chamber For Rubber or Plastic Insulated Cables in Rigid Conduit

Type CRC
With Top Cover

Type CRN
With Top Thread

✔ Denotes ESP Availability



Type CRC

Type CRN

Use:
- For rubber or plastic insulated cables in rigid conduit only.
- To effectively seal one or more single or multiple conductor cables and the conduit against the entrance of water, damp or corrosive atmospheres, hot or cold air or dust.

Features:
- Provides and ample compound chamber for use indoors or outdoors.

Material/Finish:
Bodies of fittings are malleable or ductile Iron. Castings with hot dip galvanized finish.

Specify:
1 Catalog Number
2 Size of Conduit
3 Number of Conductors
4 Diameter Over Insulation of Individual Conductors

Fittings can be furnished for more than four wires or wires of varying sizes.

Filling compound not included. See Page RA15 separate listing of compound.

Third Party Certification:
CSA Certified: 11584

Note:
Type CRC terminators are also available with taping cones for sealing rubber or plastic insulated cables. Contact factory for dimensional data and pricing.

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.

TYPE CRC

Conduit Size	Max. Diameter of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Catalog Number	Dim. in Inches Max. Dia.	Overall Height
1¼"	1.02	.55	.50	.44	✔ CRC-125	2¼	3⅛
1½"	1.20	.63	.59	.51	✔ CRC-150	2⅝	3¼
2"	1.53	.81	.73	.65	✔ CRC-200	3	3¾
2½"	1.83	.97	.93	.78	✔ CRC-250	3½	4¼
3"	2.28	1.21	1.16	.97	✔ CRC-300	4¼	4¾
3½"	2.65	1.40	1.34	1.12	✔ CRC-350	4¾	5⅛
4"	3.00	1.58	1.52	1.27	✔ CRC-400	5⅜	5⅞
5"	3.75	1.99	1.91	1.60	✔ CRC-500	6½	6½
6"	4.50	2.39	2.30	1.92	✔ CRC-600	7⅝	6⅞

TYPE CRN

Conduit Size	Max. Diameter of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Catalog Number	Top Th'd. Pipe Size	Dim. in Inches Max. Dia.	Overall Height
1¼"	1.02	.55	.50	.44	CRN-125	1¼	2¼	3⅛
1½"	1.20	.63	.59	.51	CRN-150	1½	2⅝	3¼
2"	1.53	.81	.73	.65	CRN-200	2	3	3¾
2½"	1.83	.97	.93	.78	CRN-250	2½	3½	4¼
3"	2.28	1.21	1.16	.97	CRN-300	3	4¼	4¾
3½"	2.65	1.40	1.34	1.12	CRN-350	3½	4¾	5⅛
4"	3.00	1.58	1.52	1.27	CRN-400	4	5⅜	5⅞
5"	3.75	1.99	1.91	1.60	CRN-500	5	6½	6½
6"	4.50	2.39	2.30	1.92	CRN-600	6	6	6⅞

Wired Armor Cable Terminators

For Exposed Wire Armor, Covered Rubber or Plastic Insulated Cables

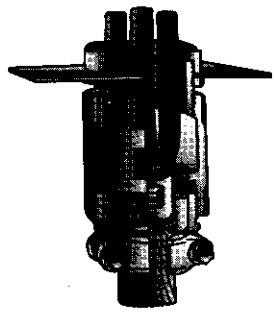
Type CRA

With Compound Chamber

Use:
For a multiple or a single* conductor cable with jacket under armor.

Material/Finish:
Malleable or ductile Iron castings with hot dip galvanized finish.

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.



Type CRA

TO ORDER SPECIFY:
1 Catalog Number
2 Diameter Over Armor
3 Diameter Over Jacket Under Armor

Filling compound not included.
See Page RA15 separate listing of compound.

Cable Range Dia. Over Armor Min.	Cable Range Dia. Over Armor Max.	Knockout Size Required	Catalog Number	Dia. Body	Dia. Bushings	Dimensions in Inches Height Outside Box	Height Inside Box	Approx. Compound Reqd. Pints
.89	1.31	1½	CRA-150	2⅜	2⅛	4¾	¾	¼
1.32	1.66	2	CRA-200	3	2¾	5¼	⅞	½
1.67	2.40	3	CRA-300	4¼	4	6½	1	1¼
2.41	3.13	4	CRA-400	5⅜	5	7⅝	1⅛	2¾
3.14	3.88	5	CRA-500	6½	6¼	8⅜	1¼	4½

Cable Terminators

For Rubber or Plastic Insulated Cables in Rigid Conduit

Type CRH

Horizontal Type with Compound Chamber

Use:
• To effectively seal one or more single or multiple conductor cables, preventing the escape of compound, regardless of its position.

Features:
• The head end of the terminator is equipped with a pressure bushing which compresses neoprene rings placed around the cables between two Canvas Bakelite Discs. The Type CRH is similar in interior construction to the Type CRC on Page RA3 of this section.

Material/Finish:
Bodies are malleable or ductile iron castings/hot dip galvanized.

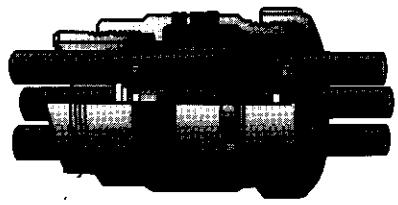
Specify:
1 Size of Conduit
2 Number of Conductors
3 Diameter Over Insulation of Individual Conductors

Fittings can be furnished for more than four wires or for wires of varying sizes.

Filling compound not included. See page RA15 for separate listing of compound.

Third Party Certification:
CSA Certified: 11584

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.



Type CRH

Conduit Size	Max. Diameter of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Catalog Number	Dim. in Inches Maximum Diameter	Overall Height	Approx. Compound Reqd. Pints
1¼"	1.02	.58	.50	.44	CRH-125	2⅜	3⅜	⅛
1½"	1.20	.63	.59	.51	CRH-150	2⅝	3½	⅛
2"	1.53	.81	.73	.65	CRH-200	3⅜	4⅛	¼
2½"	1.83	.97	.93	.78	CRH-250	3⅞	4⅝	½
3"	2.28	1.21	1.16	.97	CRH-300	3⅞	4⅝	½
3½"	2.65	1.40	1.34	1.12	CRH-350	5⅛	5⅝	1
4"	3.00	1.58	1.52	1.27	CRH-400	5¾	6⅜	1½
5"	--	1.99	1.91	1.60	CRH-500	6¾	6⅞	2¾
6"	--	2.39	2.30	1.92	CRH-600	7⅞	7⅜	4

Cable Terminators

With Compound Chamber For Rubber Covered Cables with Top & Taping Cones

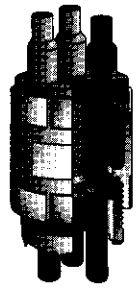
Type DTC
Type DRC

Specify:
1 Size of Conduit
2 Number of Conduits
3 Cable Data

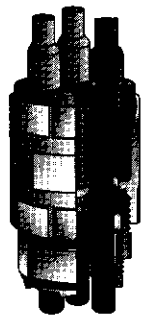
Third Party Certification:
CSA Certified: 11584

Type "DTC" Catalog Number	Type "DRC" Catalog Number
DTC 150	DRC 150
DTC 200	DRC 200
DTC 250	DRC 250
DTC 300	DRC 300
DTC 350	DRC 350
DTC 400	DRC 400
DTC 500	DRC 500
DTC 600	

For information pertaining to voltage ratings, see Page RA1 of this section.



Type DTC



Type DRC

Compound Bushings

For Ends of Rigid Conduit for Rubber or Plastic Insulated Cables

Type FR

Use:
For one or more single* or multiple conductor cables.

Material/Finish:
Bodies of fittings up to 1¼" size - steel/zinc plated (hot dip galvanized available at additional cost). Bodies of fittings 1½" size and larger, malleable or ductile iron castings - hot dip galvanized.

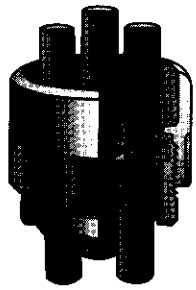
Specify:
1 Catalog Number
2 Size of Conduit
3 Number of Cables
4 Outside Diameters of Cables

Third Party Certification:
CSA Certified: 11584

Fittings can be furnished for more than four wires or for wires of varying sizes.

Filling compound not included. See Page RA15 for separate listing of compound.

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.



Type FR

Conduit Size	Max. Diameter of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Catalog Number	Dim. in Inches Max. Dia.	Overall Height	Approx. Compound Required Pints
1"	.78	.38	.34	.31	FR-100	1¾	1⅝	1/20
1¼"	1.02	.55	.50	.44	FR-125	2⅛	1¾	1/20
1½"	1.20	.63	.59	.51	FR-150	2⅜	1⅞	⅛
2"	1.53	.81	.73	.65	FR-200	3	2	⅛
2½"	1.83	.97	.93	.78	FR-250	3⅝	2½	⅓
3"	2.28	1.21	1.16	.97	FR-300	4⅛	2⅝	½
3½"	2.65	1.40	1.34	1.12	FR-350	4⅝	2⅝	½
4"	3.00	1.58	1.52	1.27	FR-400	5⅛	2⅝	⅔
5"	--	1.99	1.91	1.60	FR-500	6¾	3⅛	1
6"	--	2.39	2.30	1.92	FR-600	7⅝	3⅜	1 1/12

Compound Bushings

For Rigid Conduits Entering Cabinets for Rubber or Plastic Insulated Cables

Type HRK

Use:
For one or more single* or multiple conductor cables.

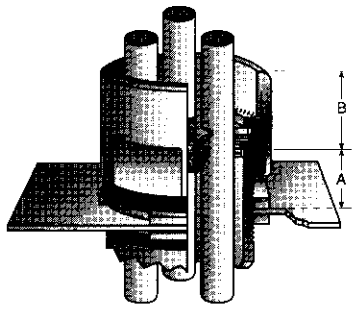
Material/Finish:
Bodies of fittings up to 1¼" size - steel/zinc plated (hot dip galvanized available at additional cost). Bodies of fittings 1½" size and larger, malleable or ductile iron castings - hot dip galvanized. Furnished complete with zinc plated locknuts.

Specify:
1 Catalog Number
2 Size of Conduit
3 Number of Cables
4 Outside Diameters of Cables

Third Party Certification:
CSA Certified: 11584

For information pertaining to voltage ratings see Page RA1.

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.



Type HRK

Conduit Size	Max. Diameter of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Catalog Number	Dimensions in Inches Max. Dia.	"A" Min.	"B"	Approx. Compound Required Pints
1"	.78	.38	.34	.31	HRK-100	1¾	1	1⅛	½₀
1¼"	1.02	.55	.50	.44	HRK-125	2⅜	1	1¼	½₀
1½"	1.20	.63	.59	.51	HRK-150	2⅝	1	1¼	⅛
2"	1.53	.81	.73	.65	HRK-200	3⅛	1⅛	1½	⅛
2½"	1.83	.97	.93	.78	HRK-250	3⅝	1⅜	1¾	⅛
3"	2.28	1.21	1.16	.97	HRK-300	4⅜	1½	1⅞	½
3½"	2.65	1.40	1.34	1.12	HRK-350	5	1½	1⅞	½
4"	3.00	1.58	1.52	1.27	HRK-400	5½	1½	1⅞	⅜
5"	--	1.99	1.91	1.60	HRK-500	6⅞	1⅝	2⅜	1
6"	--	2.39	2.30	1.92	HRK-600	7⅝	1¾	2½	1½₂

Compound Bushings

For Exposed Wires Entering Cabinets and For Rubber or Plastic Insulated Cables

Type HRE

Use:
For one or more single* or multiple conductor cables.

Features:
• Fittings will be furnished for cabinets up to ¼" thick.

Material/Finish:
Bodies of fittings up to 1¼" size - steel/zinc plated (hot dip galvanized available at additional cost). Bodies of fittings 1½" size and larger, malleable or ductile iron castings - hot dip galvanized. Furnished complete with zinc plated locknut.

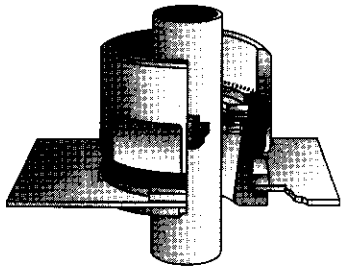
Specify:
1 Catalog Number
2 Size of Conduit
3 Number of Cables
4 Outside Diameters of Cables

Fittings can be furnished for more than four wires or for wires of varying sizes.

Filling compound not included. See Page RA15 for separate listing of compound.

Third Party Certification:
CSA Certified: 11584

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.



Type HRE
with Neoprene Ring Seal

Max. Dia. of Wire Permitted - inches						Dim. in Inches		Approx.
1* Wire	2 Wires	3 Wires	4 Wires	Knockout Size	Catalog Number	Max. Dia.	Overall Height	Compound Required Pints
.78	.38	.34	.31	1"	HRE-100	1¾	2⅛	1/20
1.02	.55	.50	.44	1¼"	HRE-125	2⅜	2¼	1/20
1.20	.63	.59	.51	1½"	HRE-150	2⅝	2¼	⅛
1.53	.81	.73	.65	2"	HRE-200	3⅛	2⅝	⅛
1.83	.97	.93	.78	2½"	HRE-250	3⅝	3⅛	⅓
2.28	1.21	1.16	.97	3"	HRE-300	4⅜	3⅜	½
2.65	1.40	1.34	1.12	3½"	HRE-350	5	3⅜	½
3.00	1.58	1.52	1.27	4"	HRE-400	5½	3⅜	⅔
--	1.99	1.91	1.60	5"	HRE-500	6⅞	4	1
--	2.39	2.30	1.92	6"	HRE-600	7⅝	4¼	1½

Support Compound Bushings

For Exposed Wires Entering Cabinets and For Rubber or Plastic Insulated Cables

Type HPE

Use:
For a multiple or a single* conductor cable.

Features:
- Fittings will be furnished for cabinets up to ¼" thick.
- Fittings can be furnished for two or more wires.
- This fitting will support cables in accordance with code requirements.

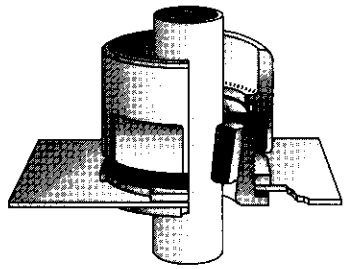
Material/Finish:
Bodies of fittings up to 1¼" size - steel/zinc plated (hot dip galvanized available at additional cost). Bodies of fittings 1½" size and larger, malleable or ductile iron castings - hot dip galvanized. Furnished complete with zinc plated locknut.

Specify:
1 Catalog Number
2 Size of Conduit
3 Number of Cables
4 Outside Diameters of Cables

Filling compound not included. See page RA15 for separate listing of compound.

Third Party Certification:
CSA Certified:11584

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.



Type HPE with Canvas Bakelite Clamping Device

Max. Cable Dia. (inches)	Knockout Size	Catalog Number	Dim. in Inches Max. Dia.	Height Inside Box	Approx. Compound Required Pints
.68	1"	HPE-100	1¾	2⅛	1/20
.93	1¼"	HPE-125	2⅜	2¼	1/20
1.20	1½"	HPE-150	2⅝	2¼	⅛
1.53	2"	HPE-200	3⅛	2⅝	⅛
1.83	2½"	HPE-250	3⅝	3⅛	⅛
2.28	3"	HPE-300	4⅜	3⅜	½
2.65	3½"	HPE-350	5	3⅜	½
3.00	4"	HPE-400	5½	3⅜	⅜
3.75	5"	HPE-500	6⅞	4	1
4.50	6"	HPE-600	7⅝	4¼	1½

Sealing Bushings

For Ends of Rigid Conduits and For Rubber or Plastic Insulated Cables

Type KR

Use:
For one or more single* or multiple conductor cables.

Material/Finish:
Bodies of fittings are Malleable or Ductile Iron Castings - Hot Dip Galvanized.

Specify:
1 Catalog Number
2 Knockout Size
3 Number of Cables
4 Outside Diameters of Cables

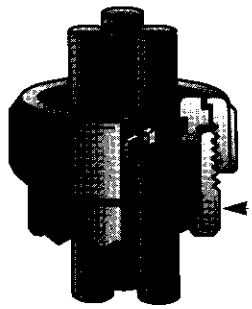
Fittings can be furnished for more than four wires or for wires of varying sizes. Consult factory.

Third Party Certification:
CSA Certified: 11584

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.

✓ Denotes ESP Availability



Type KR

Conduit Size	Max. Diameter of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Catalog Number	Dim. in Inches Max. Dia.	Overall Height
1"	.78	.38	.34	.31	✓ KR-100	1⅝	1
1¼"	1.02	.55	.50	.44	✓ KR-125	1⅞	1⅛
1½"	1.20	.63	.59	.51	✓ KR-150	2⅛	1⅛
2"	1.53	.81	.73	.65	✓ KR-200	2⅛	1⅛
2½"	1.83	.97	.93	.78	✓ KR-250	3⅜	1⅜
3"	2.28	1.21	1.16	.97	✓ KR-300	4	1½
3½"	2.65	1.40	1.34	1.12	✓ KR-350	4½	1½
4"	3.00	1.58	1.52	1.27	✓ KR-400	5⅛	1⅝
5"	--	1.99	1.91	1.60	✓ KR-500	6¼	1¾
6"	--	2.39	2.30	1.92	✓ KR-600	7⅛	1¾

Cabinet Sealing Bushings

For Ends of Rigid Conduits & For Rubber or Plastic Insulated Cables

Type GRK

Use:
For one or more single* or multiple conductor cables.

Material/Finish:
Bodies of fittings are malleable or ductile iron castings - hot dip galvanized. Furnished complete with (2) zinc plated locknuts.

Specify:
1 Catalog Number
2 Knockout Size
3 Number of Cables
4 Outside Diameters of Cables

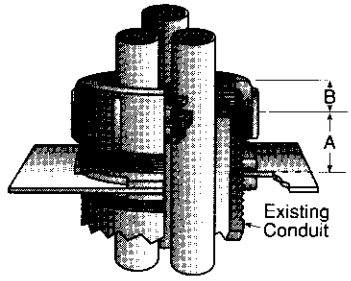
Fittings can be furnished for more than four wires or for wires of varying sizes. Consult factory.

Third Party Certification:
CSA Certified: 11584

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

For information pertaining to voltage ratings see Page RA1.

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.



Type GRK

Conduit Size	Max. Diameter of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Catalog Number	Dim. in Inches Max. Dia.	"A" Min.	"B"
1"	.78	.38	.34	.31	GRK-100	1¾	1	½
1¼"	1.02	.55	.50	.44	GRK-125	2⅜	1	½
1½"	1.20	.63	.59	.51	GRK-150	2⅜	1	½
2"	1.53	.81	.73	.65	GRK-200	3⅛	1⅛	½
2½"	1.83	.97	.93	.78	GRK-250	3⅝	1⅜	⅝
3"	2.28	1.21	1.16	.97	GRK-300	4⅜	1⅜	⅝
3½"	2.65	1.40	1.34	1.12	GRK-350	5	1½	¾
4"	3.00	1.58	1.52	1.27	GRK-400	5½	1½	¾
5"	--	1.99	1.91	1.60	GRK-500	6⅞	1⅝	1
6"	--	2.39	2.30	1.92	GRK-600	7⅝	1¾	1

Sealing Bushing

For Exposed Wires Entering Cabinets & For Rubber Plastic Insulated Cables

Type GRE

Use:
For one or more single* or multiple conductor cables.

Features:
• Fittings will be furnished for cabinets up to ¼" thick.

Material/Finish:
Bodies of fittings are malleable or ductile iron castings - hot dip galvanized. Furnished complete with zinc plated locknut.

Specify:
1 Catalog Number
2 Knockout Size
3 Number of Cables
4 Outside Diameters of Cables

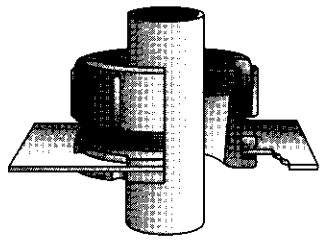
Fittings can be furnished for more than four wires or for wires of varying sizes.

Third Party Certification:
CSA Certified: 11584

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.

ESP EXPRESS SHIPMENT PROGRAM
✔Denotes ESP Availability



Type GRE
with Neoprene Ring Seal

Max. Dia. of Wire Permitted - Inches 1* Wire	2 Wires	3 Wires	4 Wires	Knockout Size		Catalog Number	Dim. in Inches Max. Dia.	Overall Height
.78	.38	.34	.31	1"	✔	GRE-100	1¾	1½
1.02	.55	.50	.44	1¼"	✔	GRE-125	2⅜	1⅝
1.20	.63	.59	.51	1½"	✔	GRE-150	2⅝	1⅝
1.53	.81	.73	.65	2"	✔	GRE-200	3⅛	1⅝
1.83	.97	.93	.78	2½"	✔	GRE-250	3⅝	2
2.28	1.21	1.16	.97	3"	✔	GRE-300	4⅜	2⅛
2.65	1.40	1.34	1.12	3½"	✔	GRE-350	5	2¼
3.00	1.58	1.52	1.27	4"	✔	GRE-400	5½	2⅜
–	1.99	1.91	1.60	5"	✔	GRE-500	6⅞	2⅝
–	2.39	2.30	1.92	6"	✔	GRE-600•	7⅝	3

•Not CSA Approved.

Supporting Cabinet Sealing Bushing

For Exposed Wires Entering Cabinets and For Rubber or Plastic Insulated Cables

Type GPE

Use:
For one or more single* or multiple conductor cables.

Features:
- Fittings will be furnished for cabinets up to ¼" thick.
- This fitting will also support cables in accordance with code requirements.

Specify:
1 Catalog Number
2 Knockout Size
3 Number of Cables
4 Outside Diameters of Cables

Fittings can be furnished for two or more wires.

Material/Finish:
Bodies of fittings are malleable or ductile iron castings - hot dip galvanized. Furnished complete with zinc plated locknut.

Third Party Certification:
CSA Certified: 11584

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

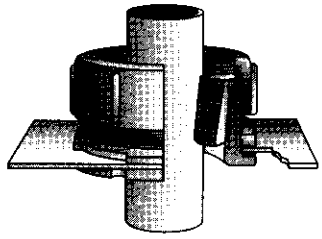
For information pertaining to voltage ratings see Page RA1.

*Due to the possibility of magnetic heating effects, a single alternating current conductor should not be used in these malleable iron fittings.

Max. Cable Dia. (inches)	Knockout Size	Catalog Number	Dim. in Inches Max. Dia.	Dim. in Inches Height Inside Box
.68	1"	GPE-100	1¾	1½
.93	1¼"	GPE-125	2⅜	1⅝
1.20	1½"	GPE-150	2⅝	1⅝
1.53	2"	GPE-200	3⅛	1⅝
1.83	2½"	GPE-250	3⅝	2
2.28	3"	GPE-300	4⅜	2¼
2.65	3½"	GPE-350	5	2¼
3.00	4"	GPE-400	5½	2⅜
3.75	5"	GPE-500	6⅞	2⅝
4.50	6"	•GPE-600	7⅝	3

Cable support plugs will not be supplied undrilled.

•Not CSA Approved.



Type GPE with Canvas Bakelite Clamping Device

DOZSeal Filling Insulating Compound

For Use in Terminators, Compound Bushings and Compound Type Cable Supports

DOZseal 220 is a universal medium-soft asphaltic base compound having a low softening point and low pouring temperature. The compound remains plastic at low temperatures and remains viscose at the highest cable operating temperature.

Used In:
Gasketed or Threaded Splice Fittings and Gasketed Terminators.

Used With:
Any cable having solid type insulation, such as Paper, Varnished Cambric, Rubber, Butyl, Cross-Linked Polyethylene, or High Molecular weight Polyethylene rated 34.5KV and below.

DOZseal 225 is a high ambient medium-hard asphaltic base compound having a medium-low softening point and a low pouring temperature. The compound remains plastic at medium-low temperatures and remains more viscose at the highest cable operating temperature.

Used In:
Gasketed or Threaded Splice Fittings and Gasketed Terminators, when they are installed in hot climates or in hot exposures.

Used With:
Cables having solid type insulation, such as Paper, Varnished Cambric, Rubber, Butyl and Cross-Linked Polyethylene rated 34.5KV and below.

DOZseal 230 is a hard asphaltic base compound having a high softening point and high pouring temperature. The compound remains plastic at the highest cable operating temperature.

Used In:
Non-Gasketed Terminators or Cable Supports.

Used With:
Any cable having solid type insulation.

FOR USE IN TERMINATORS, COMPOUND BUSHINGS, COMPOUND TYPE CABLE SUPPORTS

COMPOUND NUMBER	TYPE	CATALOG NUMBER ONE QT. CANS	ONE GAL. PAIL	TWO GAL. PAILS	FIVE GAL. PAILS
DOZSEAL 220	Medium-soft asphaltic base	DOZ-220Q	DOZ-220G	DOZ-220G2	DOZ-220G5
DOZSEAL 225	Medium-hard asphaltic base	DOZ-225Q	DOZ-225G	DOZ-225G2	DOZ-225G5
DOZSEAL 230	Hard asphaltic base	DOZ-230Q	DOZ-230G	DOZ-230G2	DOZ-230G5

For shipping purposes, the approximate gross weight of the above compounds is 10 lbs. per gallon.
NOTE: When ordering Filling Compound specify by number of units only, not quarts or gallons.
Example: To order 50 gallons of DOZSEAL 220 specify ten (10) DOZ-220G5 units.

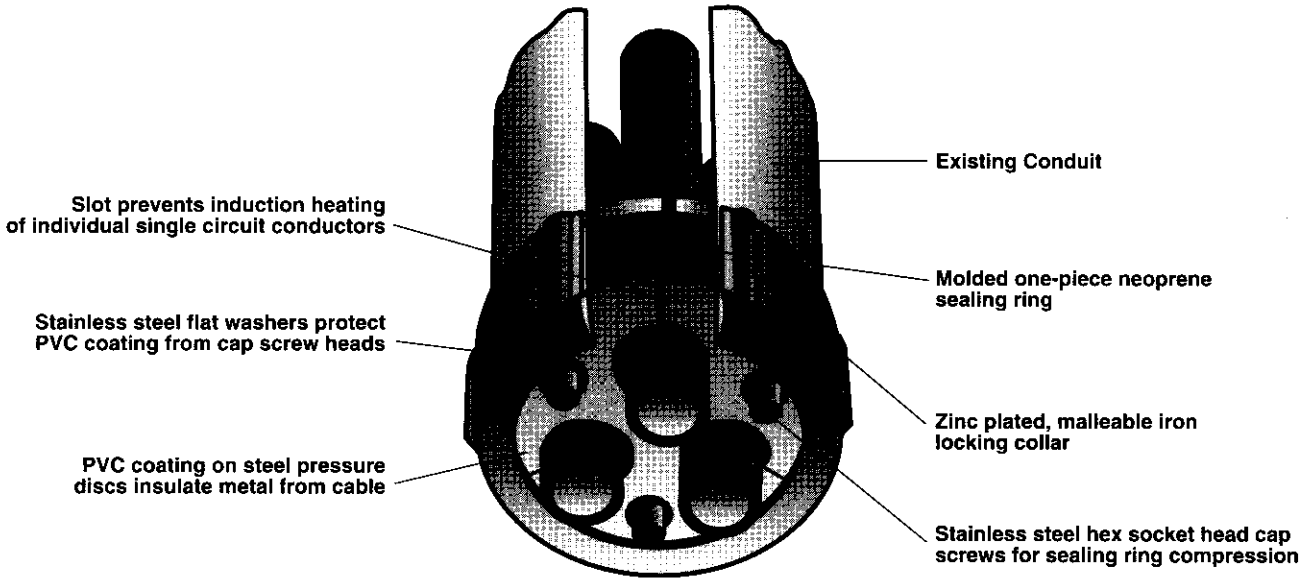
CHARACTERISTICS

CHARACTERISTICS	UNIT	DOZSEAL FILLING COMPOUNDS DOZSEAL 220	DOZSEAL 225	DOZSEAL 230
Softening Point	°F	115-125	165-170	230-240
Pouring Temperature	°F	325-375	325-375	375-400
Flash Point	°F	475	475	475
Dielectric Strength (86°F, ½" spheres 0.1" Gap)	KV	50	50	55

Conduit Sealing Bushings

Type CSB

For use with Cable



Details of Construction:

Pressure Discs: Thick metal discs with custom drilled holes to accommodate cables. Steel discs are slotted at cable holes to eliminate induction heating effect of single conductor alternating current. Steel discs are PVC coated for corrosion protection, to insulate cable holes and to prevent plates from bridging to other ferrous parts. Uncoated aluminum plates are available. Copper alloy, stainless steel or phenolic discs are available at price addition.

Screws & Washers: Corrosion-proof stainless steel socket head screws are used to compress the two discs against the sealing ring. Hex head stainless steel machine screws are available. PVC coated discs have stainless steel washers to prevent screws from damaging coating. (Suffix - P type only.)

Locking Collar: Malleable iron hot dip galvanized; aluminum for suffix-A fittings. Gaskets are provided to prevent locking collar and end of conduit from damaging PVC coated disc. (Suffix - P type only.)

Sealing Ring: Thick one-piece neoprene ring custom drilled. Neoprene is specifically compounded for the following operating characteristics:

1. Low compression modulus (the ability of the neoprene sealing ring to move with low-tightening force).
2. Very low compression set (maintain seal over extended period without having to retighten).
3. Anti-oxidant (resistance to ozone attack).
4. Anti-oxidant (resistance to weathering).
5. Low crystallization (suitable for use at low temperatures).
6. Fire retardant (will not support combustion).

Conduit Sealing Bushings

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability

For Use with Cable in Schedule 40 Conduit

Type CSB Series

Type CSBE:
Seals against pressure from the outside of the fitting and to provide some support for the cables when fitting is used in vertical position as shown in illustration.

Type CSBI:
Seals against fluids or gases that are inside a conduit and prevents them from entering an enclosure.

Type CSBG:
Provides all the features of Types CSBE and CSBI and in addition prevents the sealing bushing from moving out of the end of the conduit should the internal pressure be high or if the fitting is used on conduit in an inverted position. The Type CSBG fittings are capable of sealing against gas or fluid pressure of 100 psig, (non-segmented) Type CSBI and CSBE – 50 psig (non-segmented.) Can also be supplied with Lay-In-Lug grounding wire connector.

Use:
These conduit Sealing Bushings are used for sealing the ends of conduit in applications involving higher static gas or fluid pressures than can be handled by standard sealing bushings.

Features:
• The complete assembly is provided with 1 or multiple holes to accommodate the size and number of cables which emerge from the conduit. When the fitting is in place and the screws are tightened, the neoprene sealing ring is compressed between the metal plates and is forced against the inside wall of the conduit and also against the cable insulation to effect a complete seal at the conduit end.

• Blank fittings are available. These are intended as abandonment devices only. **Do not field drill.**
• Consult factory for all other applications.
• These fittings are simple to install. They eliminate the special preparation of the end of the conduit or the compounding of the conduit thread which is required on other types of sealing fittings used to seal against high pressures.

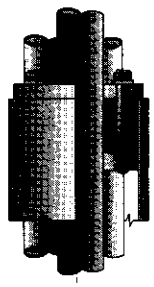
Materials:
Slotted PVC coated steel discs, neoprene sealing ring and stainless steel socket head cap screws and washers. Locking collars on type CSBG are hot dipped galvanized malleable or ductile iron.

Optional Materials:
Also available with aluminum pressure discs (metal Plates)* on Type CSBI and CSBE bushings. To specify, substitute suffix "A" for "P" in catalog number. (Example: CSBI-200A-1) Locking Collar and Pressure Discs are also available in Aluminum on Type CSBG Bushings. Example (CSBG-200A-1) Consult Factory for Pricing.

Alternate Construction:
Segmented Design – Segmental pressure discs and slit-neoprene sealing ring produce a come-apart design which allows the sealing bushing to be installed without having to thread it along the cable or allows installation around cables already pulled.

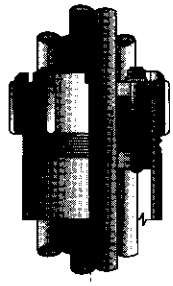
Also available with slit neoprene sealing ring and one piece pressure discs.

Third Party Certification:
UL Listed: E-11857
Type CSBG with aluminum pressure discs is Listed by Underwriters Laboratories, Inc. as an outlet bushing, service entrance seal or service head.



Type CSBE

Type CSBI



Type CSBG

TO ORDER SPECIFY:
1 Catalog Number
2 Knockout Size
3 Number of Cables
4 Outside Diameters of Cables

Conduit Size	Max. Diameter of Wire* Permitted - Inches 1 Wire	2 Wires	3 Wires	4 Wires	✔ Type CSBG Catalog Number Blank†	One to Four Wires	✔ Type CSBE Catalog Number Blank†	One to Four Wires	✔ T ype CSBI Catalog Number Blank	One to Four Wires
1½"	.78	.49	.53	.44	CSBG-150P-0	CSBG-150P-1	CSBE-150P-0	CSBE-150P-1	CSBI-150P-0	CSBI-150P-1
2"	1.02	.77	.71	.61	CSBG-200P-0	CSBG-200P-1	CSBE-200P-0	CSBE-200P-1	CSBI-200P-0	CSBI-200P-1
2½"	1.32	.96	.89	.78	CSBG-250P-0	CSBG-250P-1	CSBE-250P-0	CSBE-250P-1	CSBI-250P-0	CSBI-250P-1
3"	1.89	1.20	1.13	.96	CSBG-300P-0	CSBG-300P-1	CSBE-300P-0	CSBE-300P-1	CSBI-300P-0	CSBI-300P-1
3½"	2.13	1.32	1.32	1.13	CSBG-350P-0	CSBG-350P-1	CSBE-350P-0	CSBE-350P-1	CSBI-350P-0	CSBI-350P-1
4"	2.57	1.63	1.51	1.26	CSBG-400P-0	CSBG-400P-1	CSBE-400P-0	CSBE-400P-1	CSBI-400P-0	CSBI-400P-1
5"	3.45	2.00	1.88	1.63	CSBG-500P-0	CSBG-500P-1	CSBE-500P-0	CSBE-500P-1	CSBI-500P-0	CSBI-500P-1
6"	4.32	2.51	2.38	2.13	CSBG-600P-0	CSBG-600P-1	CSBE-600P-0	CSBE-600P-1	CSBI-600P-0	CSBI-600P-1

†Blank fittings are intended as abandonment and future use devices only.

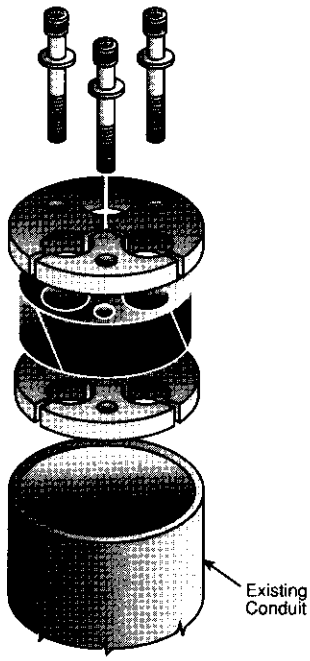
Conduit Sealing Bushings

Type CSB Series

1 Segmental Design (Figure 1):
Segmental pressure discs and slit neoprene sealing ring produce a come-apart design which allows the sealing bushing to be installed without having to thread it along the cable or allows installation around cables already pulled. (Add Suffix "SEG"). Also available with slit neoprene sealing ring and one piece pressure discs.

2:
Pressure discs in brass or bronze. Substitute "B" in place of "P" in Catalog Number. (Example: CSBG 200B).

3:
Short nipples which can be screwed into conduit hubs or couplings. Seal Fittings are then installed in the open ends of these nipples. To specify a fitting complete with nipple add "N" after Catalog Number. (Example: CSBG 200P-N).



Type CSBE
Segmental Design
Figure 1

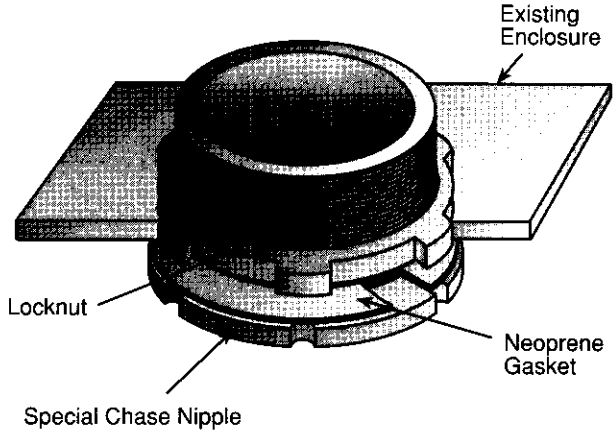
4 Type GL Cabinet Adapter (Figure 2):
For use with sealing bushings when exposed wires enter cabinets. Hot dip galvanized malleable or ductile iron is standard; aluminum if specified. Adapter assembly includes special chase nipple, gasket locknut. To specify a fitting complete with cabinet adapter, add letters "GL" after Catalog Number.
(Example: CSBG 200P-GL).

Thread length on special chase nipples will accommodate ⅛" thick cabinet or structure on Type CSBG (specify if thicker than ⅛"), and up to ¾" thickness on Types CSBE & CSBI.

These fittings are designed for use in schedule 40 rigid conduit. Consult factory for applications involving IMC conduit.

Blank fittings are intended as abandonment and future use devices only.
DO NOT FIELD DRILL.

Conduit Size	Catalog Number
1½	GL150
2	GL200
2½	GL250
3	GL300
3½	GL350
4	GL400
5	GL500
6	GL600



Type GL
Cabinet Adapter
Figure 2

Dimensional Data:
See Page RA19

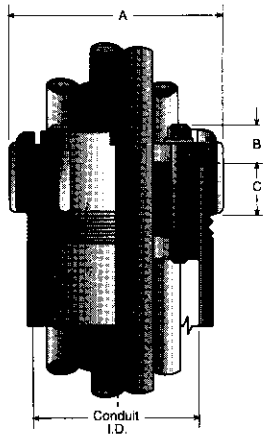
Conduit Sealing Bushings

For Use with Cable in Rigid Conduit*

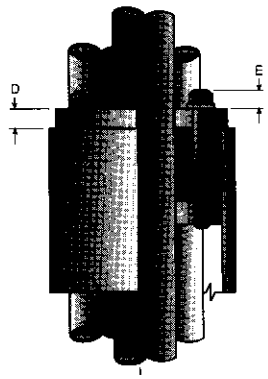
Type CSB Series Dimensional Data:

Conduit* Size	Max. Diameter of Wire Permitted - Inches 1 Hole	2 Holes	3 Holes	4 Holes	Catalog Conduit ID	Dimensions in Inches A Dia.	B	C	D	E	F Min
1½"	.78	.49	.53	.44	1.610	2⅜	⅝	⅝	5/16	5/16	1¼
2"	1.02	.77	.71	.61	2.067	2 13/14	⅝	⅝	5/16	5/16	1¼
2½"	1.32	.96	.89	.78	2.469	3⅜	¾	⅞	5/16	5/16	1¼
3"	1.89	1.20	1.13	.96	3.068	4⅛	¾	⅞	5/16	5/16	1¼
3½"	2.13	1.32	1.32	1.13	3.548	4 3/16	⅞	⅞	7/16	⅜	1½
4"	2.57	1.63	1.51	1.26	4.026	5⅛	15/16	1	7/16	⅜	1½
5"	3.45	2.00	1.88	1.63	5.047	6¼	15/16	1	7/16	⅜	1½
6"	4.32	2.51	2.38	2.13	6.065	7⅜	15/16	1	7/16	⅜	1½

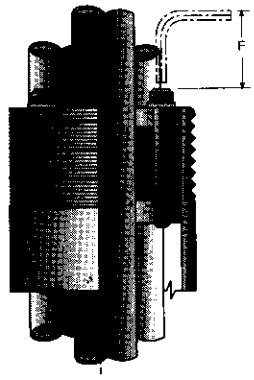
*Standard fittings may be used with corresponding sizes of schedule 40 pipe or tubes and cored holes which have the same internal diameter as conduit I.D. shown above. Special fittings can be supplied for other internal diameters including IMC conduit. Refer to factory.



Type CSBG



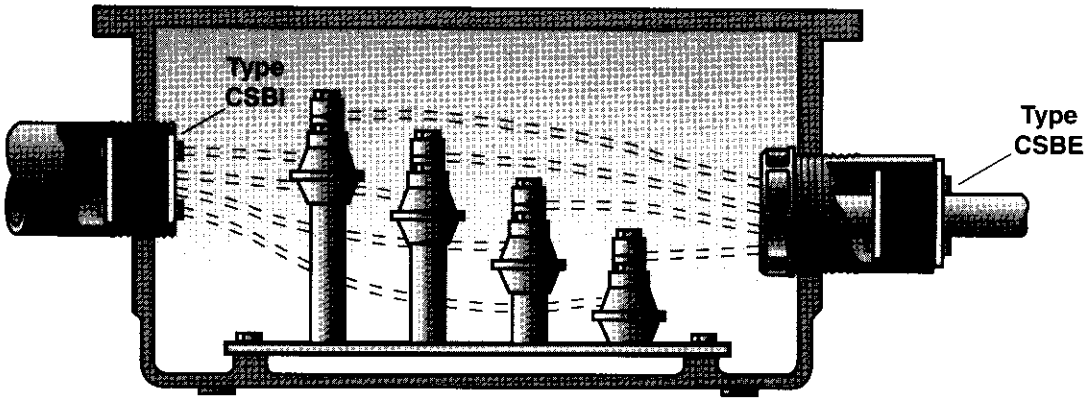
Type CSBE



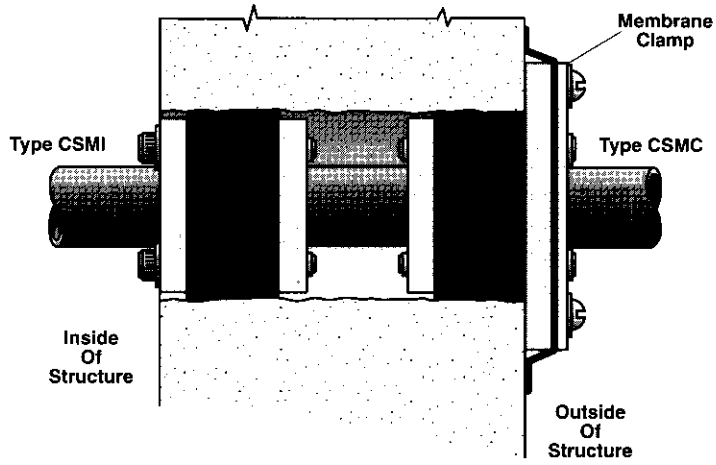
Type CSBI

Conduit Sealing Bushings

Typical Applications:



Type CSBI & Type CSBE
Used to seal conduits entering an enclosure to prevent condensation and water from entering.



Type CSMI & Type CSBC
Cored Hole Application

Conduit Sealing Bushings

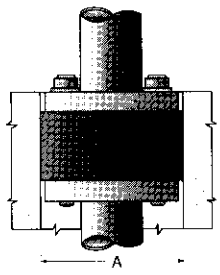
For Use with Pipe, Conduit or Tubing

Type CSM Series

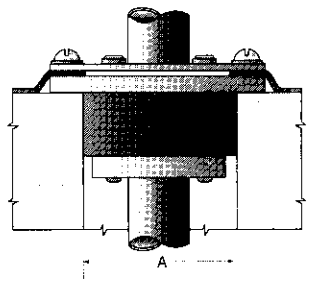
Use:
These Sealing Bushings are used to seal against fluid and gas pressure around mechanical pipes, casing, conduits or tubes. They have the same details of construction and are used for the same applications as the Type CSB Series described on Pages RA17 and RA18. In addition to sealing a pipe within a pipe, some types are specifically designed for use in core bit drilled holes or precast holes in concrete. Most of the options for the Type CSB are available in the Type CSM Series.

Specify:
1 Catalog Number
2 Diameter of core bit drilled hole, precast hole or I.D. of pipe.
3 Number and O.D. of penetrating pipe, conduit or tube
4 Disc material finish: PVC Coated Steel Discs (standard); Uncoated Aluminum Discs.
5 Segmental design, if required (Prices on application)
6 Two Neoprene Sealing Rings, if required (Prices on application)

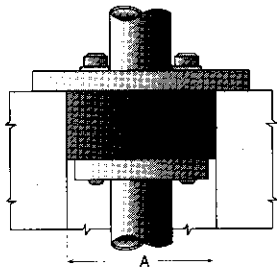
Dimensional Data:
See Pages RA22, RA23



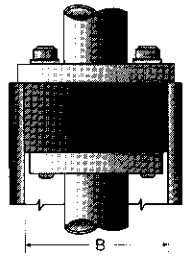
Type CSMI



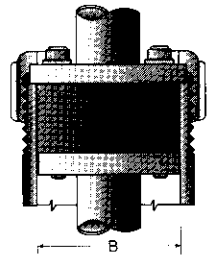
Type CSMC
with steel membrane clamp for holding existing moisture membrane



Type CSML



Type CSME



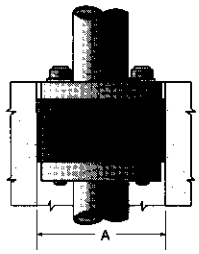
Type CSMG

Conduit Sealing Bushings

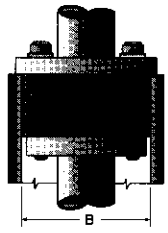
For Use with Pipe, Conduit or Tubing

✓Denotes ESP Availability

Type CSM Dimensional Data:



Core Bit Drilled Hole Diameter



Conduit or Pipe I.D.

Single Penetration Applications Dimension in Inches						Use with		Catalog Numbers							
Steel Pipe or Conduit		Cast Iron Pipe		Copper Tubing		Core Bit Drilled Hole Dia.	Conduit or Pipe I.D.	✓Type	✓Type	Type	Type	Type	Max. O.D. for More Than One Pipe		
Nom I.D.	O.D.	Nom I.D.	O.D.	Nom I.D.	O.D.	"A"	"B"	CSMI	CSML	CSMC	CSME	CSMG	2 Holes	3 Holes	4 Holes
⅜	.675			⅜	.500										
½	.840			½	.625	2	2.067	CSMI-200P	CSML-200P	CSMC-200P	CSME-200P	CSMG-200P	.790	.710	.600
¾	1.050			¾	.875										
1	1.315			1	1.125	2½	2.469	CSMI-250P	CSML-250P	CSMC-250P	CSME-250P	CSMG-250P	.970	.930	.730
1¼	1.660			1¼	1.375										
1½	1.900			1½	1.625	3	3.068	CSMI-300P	CSML-300P	CSMC-300P	CSME-300P	CSMG-300P	1.210	1.110	.930
				1¾	1.875										
	2.000			2	2.125	3½	3.548	CSMI-350P	CSML-350P	CSMC-350P	CSME-350P	CSMG-350P	1.375	1.315	1.125
2	2.375	2	2.500	2¼	2.375	4	4.026	CSMI-400P	CSML-400P	CSMC-400P	CSME-400P	CSMG-400P	1.625	1.460	1.315
		2	2.625	2½	2.625										
2½	2.875	2	2.750												
	3.000					5	5.047	CSMI-500P	CSML-500P	CSMC-500P	CSME-500P	CSMG-500P	2.000	1.875	1.625
3	3.500														
3½	4.000	3	3.660												
4	4.500	3	3.800			6	6.065	CSMI-600P	CSML-600P	CSMC-600P	CSME-600P	CSMG-600P	2.500	2.125	2.000
		3	3.960												
4½	5.000	4	4.800												
	5.250	4	5.000												
	5.500														
5	5.563					8	--	CSMI-800P	CSML-800P	CSMC-800P	CSME-800P	•	3.000	3.000	2.875
	6.000														
6	6.625														
	7.000	6	6.900												
		6	7.100			10	--	CSMI-1000P	CSML-1000P	•	CSME-1000P	•	--	--	--
	8.000														
8	8.625	8	9.050			12	--	CSMI-1200P	CSML-1200P	•	CSME-1200P	•	--	--	--
		8	9.300												
	10.000	10	11.100												
10	10.750	10	11.400			14	--	CSMI-1400P	CSML-1400P	•	CSME-1400P	•	--	--	--
	12.000	12	13.200												
12	12.750	12	13.500			16	--	CSMI-1600P	CSML-1600P	•	CSME-1600P	•	--	--	--

The suffix P in the Catalog Number indicates PVC Coated Steel Pressure Discs. For Aluminum Pressure Discs, change P to A.

•Type CSMG and CSMC are not available in these sizes.

†Blank fittings are intended as abandonment and future use devices only. Do not field drill.

ESP Availability, 2"-6".

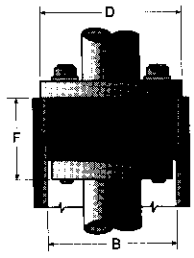
NOTE: For additional information on Type CSM Series See Pages RA21, RA 23

✓

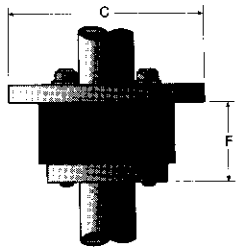
Conduit Sealing Bushings

For Use with Pipe, Conduit or Tubing

Type CSM Dimensional Data:



Type CSME



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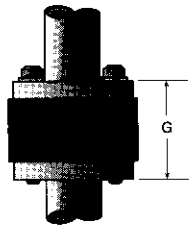
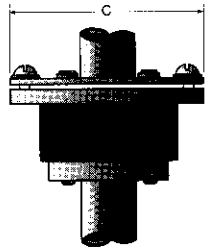
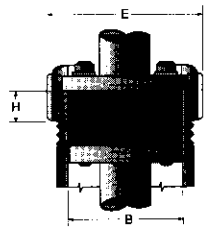


Type CSMI



Type CSMC
with steel membrane clamp



Type CSMG

Single Penetration Applications Dimension in Inches						Catalog No. CSMI- CSML- CSMC- CSME- CSMG-	Core Bit Drilled Hole Dia. "A"	Conduit or Pipe I.D. "B"	C Dia.	D Dia.	E	F	G	H	Max. O.D. for More Than One Pipe		
Steel Pipe or Conduit Nom I.D.	O.D.	Cast Iron Pipe Nom I.D.	O.D.	Copper Tubing Nom I.D.	O.D.										2 Holes	3 Holes	4 Holes
⅜	.675			⅜	.500												
½	.840			½	.625	200P	2	2.067	3	2⅛	2 13/16	1 11/16	1⅝	⅝	.790	.710	.600
¾	1.050			¾	.875												
1	1.315			1	1.125	250P	2½	2.469	3½	2 9/16	3⅜	1 11/16	1⅝	⅞	.970	.930	.730
1¼	1.660			1¼	1.375												
1½	1.900			1½	1.625	300P	3	3.068	4	3 3/16	4⅛	1 11/16	1⅝	⅞	1.210	1.110	.930
				1¾	1.875												
	2.000			2	2.125	350P	3½	3.548	4 7/16	3 11/16	4 5/16	1 7/16	1⅞	⅞	1.375	1.315	1.125
2	2.375	2	2.500	2¼	2.375	400P	4	4.026	5	4 3/16	5⅛	1 7/16	1⅞	1	1.625	1.460	1.315
		2	2.625	2½	2.625												
2½	2.875	2	2.750														
	3.000					500P	5	5.047	6	5¼	6¼	1 7/16	1⅞	1	2.00	1.875	1.625
3	3.500																
3½	4.000	3	3.660														
4	4.500	3	3.800			600P	6	6.065	7 1/16	6¼	7⅜	1 7/16	1⅞	1	2.500	2.125	2.000
		3	3.960														
4½	5.000	4	4.800														
	5.250	4	5.000														
	5.500																
5	5.563					800P•	8	--	9 3/16	–	–	1 7/16	1⅞	--	--	--	--
	6.000																
6	6.625																
	7.000	6	6.900														
		6	7.100			1000P•	10	--	11 5/16	–	--	1 7/16	1⅞	--	--	--	--
	8.000																
8	8.625	8	9.050			1200P•	12	–	13 3/16	–	--	1 5/16	2⅛	--	--	--	--
		8	9.300														
	10.000	10	11.100														
10	10.750	10	11.400			1400P•	14	--	15 5/16	–	--	1 5/16	2⅛	--	--	--	--
	12.000	12	13.200														
12	12.750	12	13.500			1600P•	16	--	17 5/16	--	--	1 5/16	2⅛	--	--	--	--

•Type CSMG and CSMC are not available in these sizes.

NOTE: For additional information on Type CSM Series See Pages RA21, RA22

O-Z/Gedney Armored/Metal Clad Cable Terminators

Use of Armored Cable:
Throughout industry, there is an increasing interest in the use of armored cable in trays on racks, instead of no-armored cable in conduit. Most of the large cable manufacturers offer this type cable at voltages to 15KV (either grounded or un-grounded neutral) with a choice of galvanized steel, aluminum or bronze armor with or without a jacket (such as Neoprene, PVC or Polyethylene) over the armor. The insulation on the individual conductor is usually some form of rubber, polyethylene, cross-linked polyethylene, EPR varnished cambric or varnished polyester glass with the same kind of protective tapes, shield construction and fillers as is used on non-armored cable. Other types of armored cable such as corrugated metal sheath and smooth aluminum sheath are also available.

Termination of Armored Cable:
O-Z/Gedney terminators have long been used to terminate armored cable. The increased use of armor cable and the introduction of new types during recent years has developed the need for many new fittings. To meet this need; O-Z/Gedney offers a line of armored cable terminators and cable supports. Included in this line are terminators for all types of armored cable (with or without a jacket over the armor) and for all types of installations.

ARMORED/METAL CLAD CABLE TERMINATOR SELECTION TABLE

Terminator Type And Catalog Page No.				For Use With IPS Cabinet Entrances				For Entrance To Cabinet At				
For Non-Jacketed Interlocked Metal Clad Cable		For Jacketed Interlocked Continuous** Metal Clad Cable										
Type	Page	Type	Page	Water Tight	Compound Type	K.O. or Slip Hole	D & T Hole	D & T w/Inside Shoulder	Bottom	Side	Top	Cable Support for Vertical Rise
PK	TB2	PK	TB2	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No
--	--	PG	TB13	Yes	No	††	Yes	Yes	Yes	Yes	Yes	No
--	--	MCJ	TB12	Yes	No	††	Yes	Yes	Yes	Yes	Yes	No
PKG	TB3	--	--	Yes	No	Yes	No	No	Yes	Yes	Yes	No
PKS*	TB4	--	--	Yes	*	Yes	Yes	Yes	Yes	Yes	Yes	No
PKC	TB5	SPKC	TB14	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
PKH	TB6	SPKH	TB15	Yes	Yes	Yes	No	No	†	Yes	†	No
PKHA	TB6	SPKHA	TB15	Yes	Yes	Yes	Yes	Yes	†	Yes	†	No
PKT	TB7	SPKT	TB16	Yes	Yes	Yes	No	No	No	No	Yes	No
PKTA	TB7	SPKTA	TB16	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
PKR	TB8	PKR	TB8	No	No	Yes	No	No	Yes	No	No	Yes
PKSR	TB8	SPKSR	TB17	Yes	No	Yes	No	No	Yes	No	No	Yes
PKK	TB10	PKK	TB10	No	No	For Terminating Metal Clad Cable Entering Conduit						
PKGK	TB11	SPKGK	TB19	Yes	No							
PKHK	TB11	SPKHK	TB19	Yes	Yes							
--	--	TN	TB1	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No
--	--	JMC	TA3	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No

*The Type PKS fittings have a small compound chamber which can be filled only when mounted in an upright vertical position.
**Continuous armored cable such as corrugated metal sheath smooth aluminum sheath or similar cables having armor which is inherently watertight without a jacket. Consult factory for CPK Series.
†These fittings can be used for the application so marked by the omission of parts.
††When entering a cabinet thru a standard knockout or sliphole a neoprene gasket can be provided.

Terminations

Use "Armored/Metal Clad Cable Terminator Selection Table" On Page TA1 to assist in proper Terminator selection

A complete termination of an Armored Cable provides (Paragraph numbers below refer to corresponding item numbers on illustrations):

1 Mechanical termination and electrical grounding of the cable armor.

2 A Sealing Gland to prevent entrance of water or other foreign matter into a cabinet or terminal box where desired. All O-Z/Gedney armored cable terminators listed as watertight have a sealing gland.

3 Termination of the cable core (fillers and sheath) of multiconductor cables to keep out moisture and other contaminators which would decrease effective life of the insulation. A compound seal is recommended for all cables in damp locations and for high voltage cables (2000 volts and above). O-Z/Gedney terminators are listed as compound type, provide a compound seal for the cable core.

4 Mechanical fastening of the cable assembly where it enters a cabinet or terminal box through an IPS knockout, slip hole, or drilled and tapped hole.

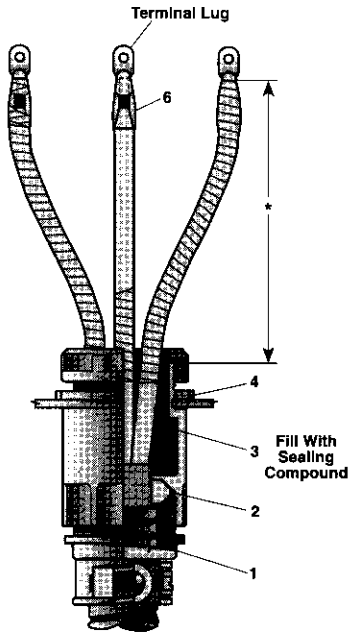
5 Termination of Shielding tape. If cable is shielded, careful attention must be given to proper termination of the shield. This is usually accomplished by construction of stress cones on each conductor, between the compound type terminator and the cable connector at the end of the cable (No. 6).

Since cable construction varies with the different manufacturers, the cable manufacturer's detailed instructions for the particular cable being used should be followed. (Most armored cable. to and including 2000 volts grounded or ungrounded neutral, is non-shielded and therefore requires no stress cones).

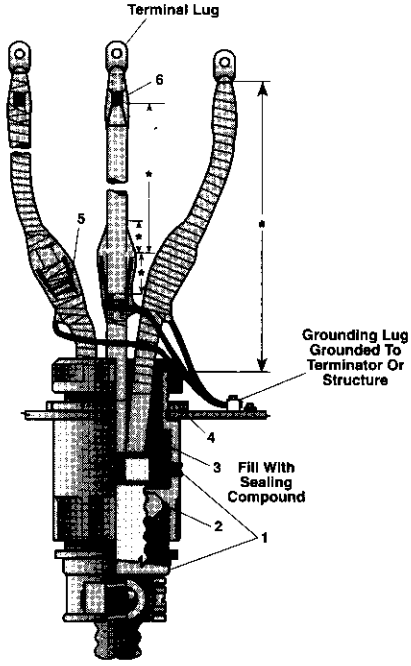
6 Termination of each of the individual conductors and their insulations at a lug or some other connector, including sealing the end of the cable strands and the insulation against entrance of moisture. Follow cable manufacturer's detailed instructions for the particular cable being used.

*Refer to cable manufacturer's recommendations for dimensions and details of construction on No.. 5 and 6.

**The terminator shown in Fig. 1 is the Type "PKC" Compound Type Terminator for Interlocked Armor Cable, Fig. 2 is the Type SPKC Compound Type Terminator for Jacketed Armored Cable.



Terminating 0-5 KV Non-Shielded Interlocked Armor Cable (with no jacket over armor)



Terminating 3-15 KV Shielded, Jacketed Armored Cable

TEK-MATE™ FAST-FIT™ Cable Connectors

For Teck & Jacketed Metal Clad Cable

Type JMC

Use:
For terminating teck and jacketed metal clad cable

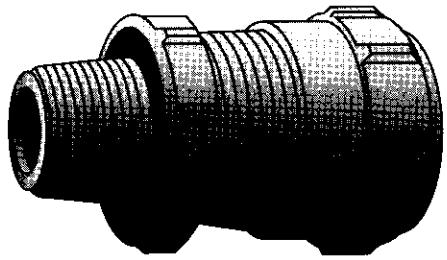
Features:
- Integral O-Ring
- Fast installation - no disassembly required
- True 360° grounding and sealing
- Superior pull-out protection
- Wide cable range, with only 11 connectors
- Suitable for wet locations
- Compact, slim profile
- Corrosion-Resistant
- NPT Male hub
- Provided with integral hub sealing ring

Material:
Body, nut, insert - Copper-free aluminum
O-Ring, Grommet - Neoprene
Armor Stop - Nylon

Optional Material:
Brass
Consult Factory

Third Party Certification:
UL Listed E-36853
CSA Certified: 11584

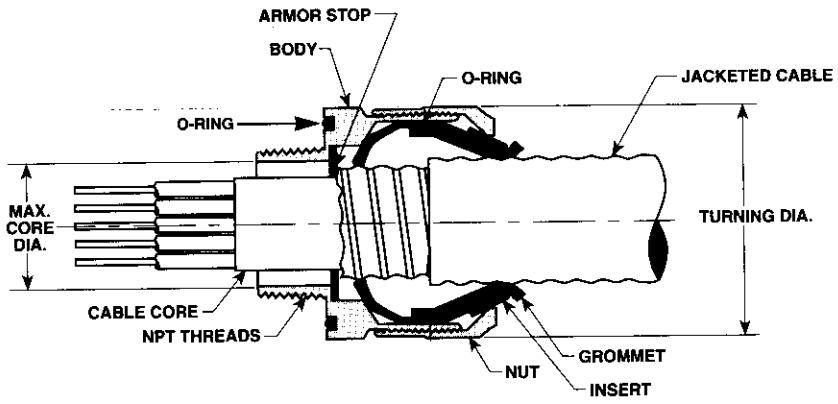
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No.18



Type JMC

Dimensions in Inches

Trade Size (inches)	Catalog Number	Jacket Range Min.	Jacket Range Max.	Armor Range Min.	Armor Range Max.	Maximum Diameter	Dim. Overall Length	Max. Core Diameter
½	JMC-50-71	.46	.71	.34	.59	1 5/16	2 1/8	.43
½	JMC-50-93	.65	.93	.53	.81	1 5/16	2 5/8	.61
¾	JMC-75-93	.65	.93	.53	.81	1 5/16	2 5/8	.61
¾	JMC-75-115	.88	1.15	.76	1.03	1 13/16	2 5/8	.81
1	JMC-100-145	1.10	1.45	.98	1.33	2 1/4	3 1/4	1.04
1¼	JMC-125-179	1.37	1.79	1.25	1.67	2 11/16	3 3/8	1.37
1½	JMC-150-215	1.74	2.15	1.56	1.97	3 1/16	3 3/4	1.60
2	JMC-200-259	2.03	2.59	1.85	2.41	3 1/2	3 7/8	2.06
2½	JMC-250-259	2.03	2.59	1.85	2.41	4 1/4	4 9/16	2.46
2½	JMC-250-303	2.47	3.03	2.29	2.85	4 1/4	4 9/16	2.46
3	JMC-300-360	2.93	3.61	2.75	3.43	4 13/16	4 11/16	3.06
3½	JMC-350-423	3.55	4.23	3.30	3.98	5 7/16	4 9/16	3.54
4	JMC-400-473	4.05	4.73	3.80	4.48	6	4 9/16	4.02



TEK-NUT™ Cable Connectors

For Teck & Jacketed Metal Clad Cable

Type TN

Use:
For terminating teck and jacketed metal clad (interlock or corrugated).

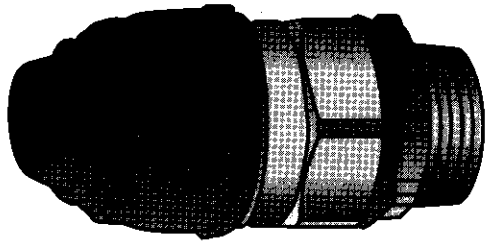
Features:
- One-piece twist-on design for quick and easy installation
- Furnished with knock-out sealing O-ring, locknut, anti-short bushing and rainboot
- Corrosion-resistant
- Suitable for wet locations
- Slim profile, small turning radius NPT Male hub

Material:
Body - Copper-free aluminum

Third Party Certification:
UL Listed E-36853

CSA Certified: 11584

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No.18



Type TN

Dimensions in Inches

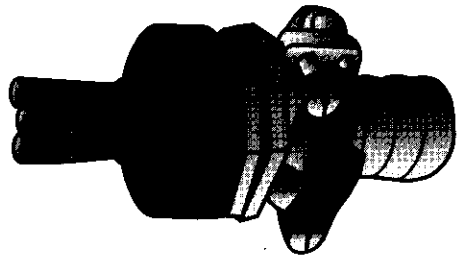
Trade Size (inches)	Catalog Number	Jacket Range Min.	Jacket Range Max.	Armor Range Min.	Armor Range Max.	Maximum Diameter	Dim. Overall Length	Max. Core Diameter
½	TN-50-65	.455	.640	.375	.544	1 3/16	1 5/8	.345
½	TN-50-80	.604	.800	.524	.693	1 3/16	1 5/8	.493
¾	TN-75-95	.733	.950	.672	.842	1 3/8	1 ¾	.642
¾	TN-75-110	.882	1.100	.821	.991	1 7/16	2 1/16	.791
1	TN-100-125	1.030	1.250	.971	1.140	1 ¾	1 7/8	.920
1	TN-100-143	1.180	1.430	1.110	1.300	1 ¾	2 5/16	1.044

Armored/Metal Clad Cable Terminators

For Non-Jacketed Metal Clad Cable

Type PK
Type PK-A

For Non-Jacketed Metal Clad Cable such as interlocked armor, corrugated metal sheath, smooth aluminum sheath and similar types. Non-watertight for dry locations.



Type PK

Use:
Use with any type of metal clad cable to terminate and ground the armor and secure the cable where it enters a cabinet (max. ¼" thick), through a standard knockout, slip-hole or D & T entrance.

These terminators accommodate a wide range of cable armor diameters in a given fitting by simply inserting fibre rings to provide armor stops having smaller diameters. An armor clamp having clamping pieces on each side allows the cable to be centered in the fitting and provides full contact with the armor to insure a positive ground. [The armor clamp on the 1¼" through 5" trade sizes consists of two clamping pieces (one on each side) as shown in illustration. The ¾", 1" and 6" trade sizes have one clamping piece located on one side only.]

Material/Finish:
Type PK: Malleable Iron/Zinc Plated
Type PK-A: Copper free Aluminum

Furnished complete with phenolic insulating Bushing, electro-plated steel screws and plated steel or malleable iron locknut. (Stainless steel screws, and/or aluminum locknuts are available with aluminum fittings at price addition.)

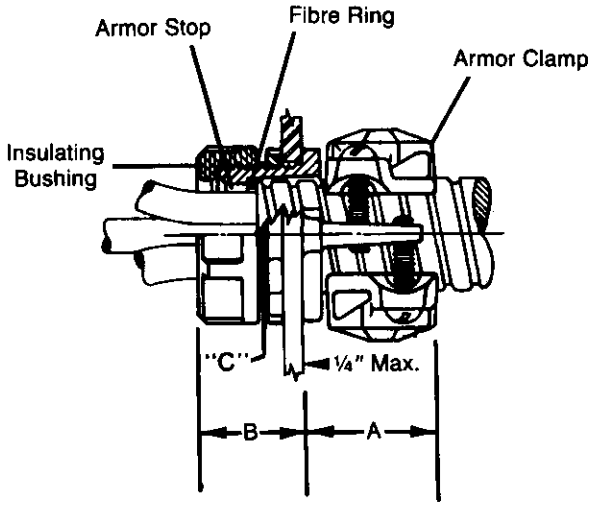
Third Party Certification:
UL Listed E-36853
CSA Certified: 15553

Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No.18

Note:
The above terminators in the 1¼" through 6" sizes can be furnished with Lay-In-Lug® grounding wire connectors shown on Page QA14.

Trade Size (in.) C	Malleable Iron Catalog Number	Aluminum Catalog Number	Cable Range Dia Over Armor Min.	Cable Range Dia Over Armor Max.	Dimensions in Inches A	Dimensions in Inches B	Dimensions in Inches Max. Dia.
¾	PK-75	PK-75A	.45	.62	1	1	1½
¾	PK-751	PK-751A	.63	.80	1	1	1⅝
1	PK-100	PK-100A	.63	.80	1¼	1⅛	1¾
1	PK-101	PK-101A	.81	.96	1¼	1⅛	2⅛
1¼	PK-125	PK-125A	.81	1.34	1 3/16	1¼	2½
1½	PK-150	PK-150A	1.19	1.56	1⅝	1¼	2¾
2	PK-200	PK-200A	1.35	2.00	1 1/16	1 5/16	3⅜
2½	PK-250	PK-250A	1.79	2.40	2	1 3/16	3⅞
3	PK-300	PK-300A	2.21	2.98	2 1/16	1 1/16	4⅝
3½	PK-350	PK-350A	2.79	3.44	2⅛	1¾	5⅛
4	PK-400	PK-400A	3.21	3.91	2 3/16	1 13/16	5⅝
5	PK-500	PK-500A	3.92	4.84	2 5/16	2⅛	6¾
6	PK-600*	PK-600A*	5.47	5.71	2¾	2¼	8¼

*Not certified by CSA.



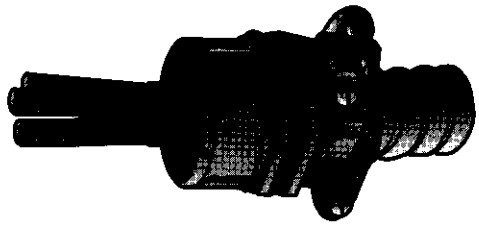
Armored/Metal Clad Cable Terminators

For Non-Jacketed Interlocked Armor Cable

Type PKG

Watertight for wet locations
Gland type

ESP EXPRESS SHIPMENT PROGRAM
✔Denotes ESP Availability



Type PKG

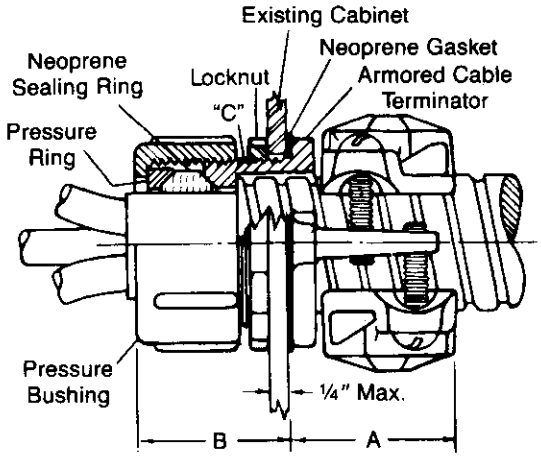
Use:
Use with armored cable without a jacket over armor, but having a waterproof jacket under armor and fillers between conductors, to terminate and ground the armor and to secure, and seal cable entrance into a cabinet or terminal box (max. ¼" thick) through a standard knockout or slip-hole.

Material:
Aluminum, furnished complete with electroplated steel screws, and steel or malleable iron locknut.

Optional Material:
Stainless steel screws and/or copper free aluminum locknuts are available at additional cost.

Third Party Certification:
CSA Certified: 15553

Applicable Third Party Standards:
CSA Standard: C22.2 No.18



Trade Size (in.) C	Iron Catalog Number	Cable Range Dia Over Armor Min.	Cable Range Dia Over Armor Max.	Dimensions in Inches A	Dimensions in Inches B	Dimensions in Inches Max. Dia.
¾	✔ PKG-62-07	.45	.62	1	1¼	1½
¾	✔ PKG-80-07	.63	.80	1	1¼	1½
1	✔ PKG-96-10	.81	.96	1¼	1½	1¾
1¼	✔ PKG-118-12	.97	1.18	1 5/16	1¾	2½
1¼	✔ PKG-134-12	1.19	1.34	1 5/16	1¾	2½
1½	✔ PKG-156-15	1.35	1.56	1⅝	1¾	2¾
2	✔ PKG-178-20	1.57	1.78	1 11/16	1 13/16	3⅜
2	✔ PKG-200-20	1.79	2.00	1 11/16	1 13/16	3⅜
2½	✔ PKG-220-25	2.01	2.20	2	2 1/16	3⅞
2½	✔ PKG-240-25	2.21	2.40	2	2 1/16	3⅞
3	✔ PKG-258-30	2.41	2.58	2 1/16	2 5/16	4⅜
3	✔ PKG-278-30	2.59	2.78	2 1/16	2 5/16	4⅜
3	✔ PKG-298-30	2.79	2.98	2 1/16	2 5/16	4⅜
3½	PKG-320-35	2.99	3.20	2⅛	2⅜	5⅛
3½	PKG-344-35	3.21	3.44	2⅛	2⅜	5⅛
4	✔ PKG-367-40	3.45	3.67	2 3/16	2⅜	5⅝
4	PKG-391-40	3.68	3.91	2 3/16	2⅜	5⅝
5	PKG-414-50	3.92	4.14	2 5/16	2¾	6⅞
5	PKG-439-50	4.15	4.39	2 5/16	2¾	6⅞
5	PKG-460-50	4.40	4.60	2 5/16	2¾	6⅞
5	PKG-484-50	4.61	4.84	2 5/16	2¾	6⅞

Armored/Metal Clad Cable Terminators

For Non-Jacketed Interlocked Armor Cable

Type PKS

Watertight for Wet Locations
Gland Type with Compound Chamber

Use:
For cable with no jacket over armor but having a water proof jacket under armor and fillers between conductors:
- To terminate and ground the armor
- To secure and seal cable entrance into a cabinet or terminal box through:
  1. A standard conduit slip hole (Fig. 1)
  2. A standard conduit drilled and tapped entrance (Fig. 2)
  3. A standard conduit drilled and tapped entrance with inside shoulder (Fig.3)

Material/Finish:
Cast aluminum fittings with zinc plated steel screws. Steel or malleable iron, locknut and insulating bushing.

Optional Material:
Stainless steel screws and/or aluminum locknuts are available at additional cost.

To Order Specify:
Catalog Number

†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in the range shown in column headed "Nominal Diameter Over Armor".

Third Party Certification:
CSA Certified: 15553

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

Note:
Gland provides watertight cable entrance seal in any position. This fitting in an upright position, with compound, can also be used on Interlocked Armor Cable without fillers and/or watertight jacket under armor by filling interstices, at termination, with duct seal or other suitable material.

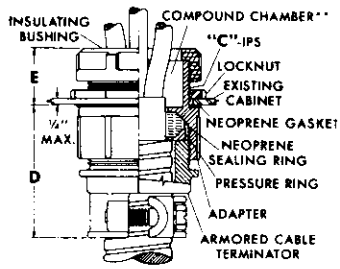
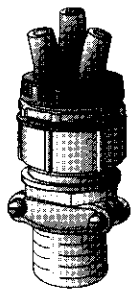


Fig. 1
Through IPS K.O. or Slip Hole



Type PKS

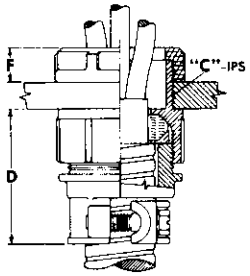


Fig. 2
Through IPS Drilled and Tapped Hole

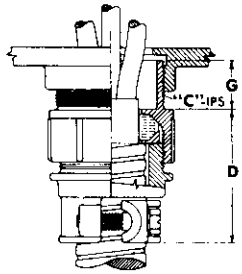


Fig. 3
Through IPS D&T Entrance with Inside Shoulder

Nominal Diameter Over Armor† (Range in Inches) Min.	Max.	C IPS	Catalog Number	D	E	Fig. 1 Max. Dia.	Fig. 2 & 3 F	G	Turning Radius	Approx. Compound Required Pints
.45 .63	.62 .80	¾	PKS-62-07 PKS-80-07	2⅜	1	1½	½	⅞	⅞	1/20
.81	.96	1	PKS-96-10	2⅞	1⅛	1¾	⅝	⅞	1⅛	1/20
.97 1.19	1.18 1.34	1¼	PKS-118-12 PKS-134-12	3⅛	1¼	2 3/16	¾	1	1⅝	1/10
1.35	1.56	1½	PKS-156-16	3¼	1¼	2½	¾	1	1¾	1/10
1.57 1.79	1.78 2.00	2	PKS-178-20 PKS-200-20	3⅜	1⅜	3⅛	¾	1⅛	2	⅛
2.01 2.21	2.20 2.40	2½	PKS-220-25 PKS-240-25	4⅛	1⅜	3⅝	⅞	1⅛	2¼	¼
2.41 2.59 2.79	2.58 2.78 2.98	3	PKS-258-30 PKS-278-30 PKS-298-30	4⅜	1½	4¼	⅞	1¼	2⅝	½
2.99 3.21	3.20 3.44	3½	PKS-320-35 PKS-344-35	4⅜	1⅝	4⅞	⅞	1¼	3	⅜
3.45 3.68	3.67 3.91	4	PKS-367-40 PKS-391-40	4⅝	1⅝	5⅝	⅞	1⅜	3¼	¾
3.92 4.15 4.40 4.61	4.14 4.39 4.60 4.84	5	PKS-414-50 PKS-439-50* PKS-460-50* PKS-484-50*	4⅝	1⅞	6¾	1⅛	1½	3⅞	1½
4.85 5.21	5.20 5.51	6	PKS-520-60* PKS-551-60*	5⅛	2	8	1⅛	1⅝	4	1⅝

*Not certified by CSA.
Fitting compound not included - See Page RA15

Armored/Metal Clad Cable Terminators

For Non-Jacketed Interlocked Armor Cable

Type PKC

Watertight for Wet Locations
Upright - Compound Type

Use:
For cable with no jacket over armor but having a water proof jacket under armor and fillers between conductors:
- To terminate and ground the armor
- To secure and seal cable entrance into bottom of a cabinet through:
  1. A standard conduit slip hole (Fig. 1)
  2. A standard conduit drilled and tapped entrance (Fig. 2)
  3. A standard conduit drilled and tapped entrance with inside shoulder (Fig.3)
- To provide compound seal for cable core where jacket is removed.

Material/Finish:
Cast aluminum fittings with zinc plated steel screws. Steel or malleable iron, locknut and Insulating Bushing.

Optional Material:
Stainless steel screws and/or aluminum locknuts are available at additional cost.

To Order Specify:
Catalog Number

†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in the range shown in column headed "Nominal Diameter Over Armor".

Third Party Certification:
CSA Certified: 15553

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

Note:
When there are no fillers and/or waterproof jacket under the armor, the interstices at the termination should be filled with duct seal or other suitable material before pouring compound. If there are bare stranded ground conductors in the cable core, the strands should be spread apart in terminator body to allow compound to seal around each strand.

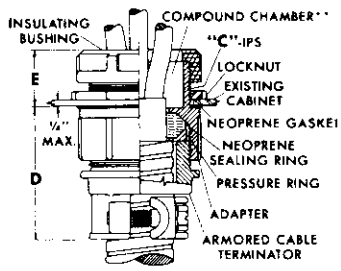
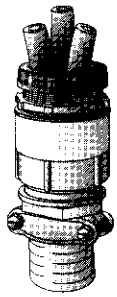


Fig. 1
Through IPS K.O. or Slip Hole



Type PKC

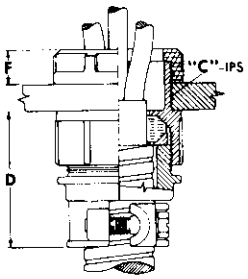


Fig. 2
Through IPS Drilled and Tapped Hole

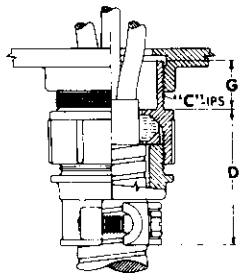


Fig. 3
Through IPS D&T Entrance with Inside Shoulder

Nominal Diameter Over Armor† (Range in Inches) Min.	Max.	C IPS	Catalog Number	D	E	Fig. 1 Max. Dia.	Fig. 2 & 3 F	G	Turning Radius	Approx. Compound Required Pints
.45 .63	.62 .80	¾	PKC-62-07 PKC-80-07	3⅝	1	1½	½	⅞	⅞	⅛
.81	.96	1	PKC-96-10	4⅜	1⅛	1⅞	⅝	⅛	1⅛	⅛
.97 1.19	1.18 1.34	1¼	PKC-118-12 PKC-134-12	4¾	1¼	2½	¾	1	1⅝	¼
1.35	1.56	1½	PKC-156-15	4⅞	1¼	2¾	¾	1	1¾	¼
1.57 1.79	1.78 2.00	2	PKC-178-20 PKC-200-20	5½	1⅜	3⅜	¾	1⅛	2	½
2.01 2.21	2.20 2.40	2½	PKC-200-25 PKC-240-25	6¼	1⅜	3⅞	⅞	1⅛	2¼	¾
2.41 2.59 2.79	2.58 2.78 2.98	3	PKC-258-30 PKC-278-30 PKC-298-30	6¾	1½	4⅝	⅞	1¼	2⅝	1
2.99 3.21	3.20 3.44	3½	PKC-320-35 PKC-344-35	7⅜	1⅝	5⅛	⅛	1¼	3	1½
3.45 3.68	3.67 3.91	4	PKC-367-40 PKC-391-40	8⅛	1⅝	5⅝	⅞	1⅜	3¼	2
3.92 4.15 4.40 4.61	4.14 4.39 4.60 4.84	5	PKC-414-50 PKC-439-50* PKC-460-50* PKC-484-50*	8⅛	1⅞	6¾	1⅛	1½	3⅞	4
4.85 5.21	5.20 5.51	6	PKC-520-60* PKC-551-60*	8⅛	2	8	1⅛	1¾	4	5¼

*Not certified by CSA.
Fitting compound not included - See Page RA15

Armored/Metal Clad Cable Terminators

For Non-Jacketed Interlocked Armor Cable

Type PKH
Type PKHA
Horizontal Watertight Compound Type

Use:
For cable with no jacket over armor but having a water proof jacket under armor and fillers between conductors:
- To terminate and ground the armor
- To secure and seal cable entrance into a cabinet through:
  1. A standard conduit slip hole (Fig. 1)
  2. A standard conduit drilled and tapped entrance (Fig. 2)
  3. A standard conduit drilled and tapped entrance with inside shoulder (Fig.3)
- To provide compound seal for cable core where jacket is removed.

Material/Finish:
Cast aluminum fittings with zinc plated steel screws, steel or malleable iron, locknut and Insulating Bushing. (Locknuts are not required on the Type PKHA.)

Optional Material:
Stainless steel screws and/or Aluminum locknuts are available at additional cost.

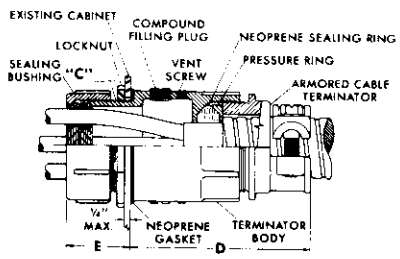
To Order Specify:
Catalog Number

†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in the range shown in column headed "Nominal Diameter Over Armor".

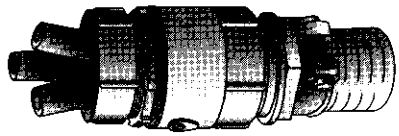
Third Party Certification:
CSA Certified: 15553

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

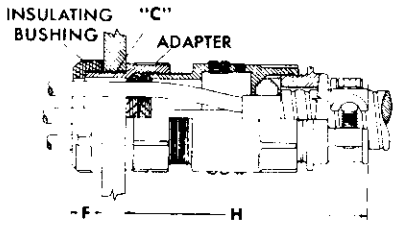
Note:
When there are no fillers and/or waterproof jacket under the armor, the interstices at the termination should be filled with duct seal or other suitable material before pouring compound. If there are bare stranded ground conductors in the cable core, the strands should be spread apart in terminator body to allow compound to seal around each strand.



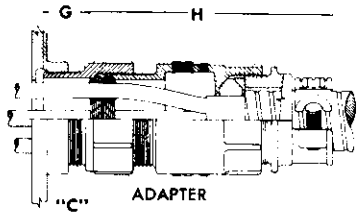
Type PKH Fig. 1
Through K.O. or Slip Hole



Type PKH



Type PKHA Fig. 2
Through Drilled and Tapped Hole



Type PKHA Fig. 3
Through D&T Entrance with Inside Shoulder

Trade Size C	Nominal Dia. Over Armor† (Range in In.) Min.	Max.	Catalog Number	Dim. in Inches D	E	Max. Dia.	Catalog Number	Dim. in Inches F	G	H	Turning Radius	Approx. Compound Required Pints
¾	.45 .63	.62 .80	PKH-62-07 PKH-80-07	3⅜	1⅝	1½	PKHA-62-07 PKHA-80-07	½	⅞	5¼	⅞	⅛
1	.81	.96	PKH-96-10	4¼	1¾	1⅞	PKHA-96-10	⅝	⅞	5⅞	1⅛	⅛
1¼	.97 1.19	1.18 1.34	PKH-118-12 PKH-134-12	4¾	1¾	2½	PKHA-118-12 PKHA-134-12	¾	1	6½	1⅝	¼
1½	1.35	1.56	PKH-156-15	4⅞	1¾	2¾	PKHA-156-15	¾	1	6⅝	1¾	¼
2	1.57 1.79	1.78 2.00	PKH-178-20 PKH-200-20	5½	1¾	3⅜	PKHA-178-20 PKHA-200-20	¾	1⅛	6¾	2	½
2½	2.01 2.21	2.20 2.40	PKH-220-25 PKH-240-25	6¼	2⅛	3⅞	PKHA-220-25 PKHA-240-25	⅞	1⅛	8⅜	2¼	¾
3	2.41 2.59 2.79	2.58 2.78 2.98	PKH-258-30 PKH-278-30 PKH-298-30	6¾	2⅜	4⅜	PKHA-258-30 PKHA-278-30 PKHA-298-30	⅞	1¼	9	2⅝	1
3½	2.99 3.21	3.20 3.44	PKH-320-35 PKH-344-35	7⅜	2⅜	5⅛	PKHA-320-35 PKHA-344-35	⅞	1¼	9⅝	3	1½
4	3.45 3.68	3.67 3.91	PKH-367-40 PKH-391-40	8⅛	2½	5⅝	PKHA-367-40 PKHA-391-40	⅞	1⅜	10½	3¼	2
5	3.92 4.15 4.40 4.61	4.14 4.39 4.60 4.84	PKH-414-50 PKH-439-50* PKH-460-50* PKH-484-50*	8⅛	2⅝	6¾	PKHA-414-50 PKHA-439-50* PKHA-460-50* PKHA-484-50*	1⅛	1½	10¾	3⅞	4
6	4.85 5.21	5.20 5.51	PKH-520-60* PKH-551-60*	8⅛	2⅝	8	PKHA-520-60* PKHA-551-60*	1⅛	1¾	10¾	4	5¼

*Not certified by CSA.

Armored/Metal Clad Cable Terminators

For Non-Jacketed Interlocked Armor Cable Inverted

Type PKT
Type PKTA
Watertight Compound Type

Use with Interlocked Armor Cable with no jacket over armor, but having a jacket over individual conductor or a jacket under armor•.

Use:
To terminate and ground the armor. To secure and seal cable entrance into top of a cabinet or terminal box through:
1. A standard IPS knockout or slip hole (Fig. 1).
2. A standard IPS drilled and tapped entrance (Fig. 2)
3. A standard IPS drilled and tapped entrance with inside shoulder (Fig.3)
- To provide compound seal for cable core where jacket is removed.

Material/Finish:
Cast aluminum fittings, complete with zinc plated steel screws or malleable iron locknut. (Locknuts are not required on the Type PKTA.) Stainless steel screws and/or aluminum locknuts are available.

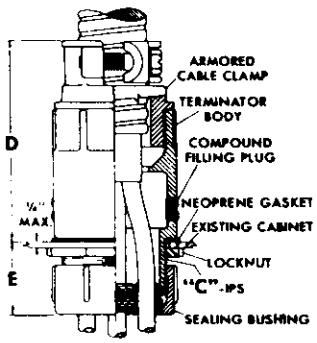
To Order Specify:
1 Catalog Number
2 Number of conductors
3 Diameter over insulation of individual conductors and over any bare conductors.

†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in range shown in column headed "Nominal Diameter Over Armor."

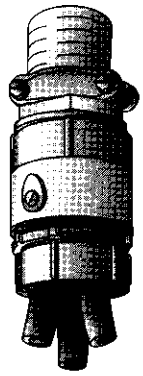
Third Party Certification:
CSA Certified: 11584

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

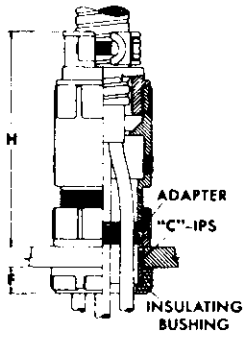
•If there are bare stranded ground conductors in the cable core, the strands should be spread apart in the terminator body to allow compound to seal around each strand.



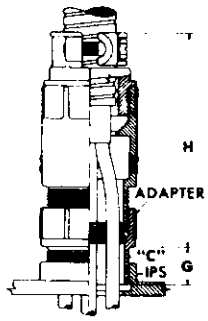
Type PKT Fig. 1
Through K.O. or Slip Hole



Type PKT



Type PKTA Fig. 2
Through Drilled and Tapped Hole



Type PKTA Fig. 3
Through D&T Entrance with Inside Shoulder

C IPS	Nominal Dia. Over Armor† (Range in In.) Min.	Max.	Catalog Number	Dim. in Inches D	E	Max. Dia.	Catalog Number	Dim. in Inches F	G	H	Turning Radius	Approx. Compound Required Pints
¾	.45	.62	PKT-62-07	3¼	1⅜	1½	PKTA-62-07	½	⅞	4⅞	⅞	⅛
¾	.63	.80	PKT-80-07	3¼	1⅜	1½	PKTA-80-07	½	⅞	4⅞	⅞	⅛
1	.81	.96	PKT-96-10	3⅛	1⅜	1¾	PKTA-96-10	⅝	⅞	5½	1⅛	⅛
1¼	.81	1.34	PKT-134-12	4⅛	1¾	2½	PKTA-134-12	¾	1	5⅞	1¾	¼
1½	1.19	1.56	PKT-156-15	4¼	1¾	2⅝	PKTA-156-15	¾	1	6	1¾	¼
2	1.35	2.00	PKT-200-20	4⅜	1¾	3¼	PKTA-200-20	¾	1⅛	6⅛	2	½
2½	1.79	2.40	PKT-240-25	5	2⅛	3⅝	PKTA-240-25	⅞	1⅛	7⅛	2¼	¾
3	2.21	2.98	PKT-298-30	5½	2⅜	4⅜	PKTA-298-30	⅞	1¼	7¼	2⅝	1
3½	2.79	3.44	PKT-344-35	6⅛	2⅜	5⅛	PKTA-344-35	⅞	1¼	8⅜	3	1½
4	3.21	3.91	PKT-391-40	6½	2⅜	5⅛	PKTA-391-40	⅞	1⅜	8⅞	3¼	2
5	3.92	4.84	PKT-484-50	7½	2⅝	6⅞	PKTA-484-50	1⅛	1½	10⅛	3⅞	4
6	4.56	5.51	PKT-551-60	8	2⅝	8	PKTA-551-60	1⅛	1¾	10¾	4	5¼

Armored/Metal Clad Cable Terminators

For Non-Jacketed Armored** Cable - Vertical Support Type

Type PKR
Type PKSR
Non-Watertight
Use with any type of Armored Cable on vertical run.

Use:
- To terminate and ground the armor.
- To secure and support vertical cable where it enters bottom of junction or pull boxes through a standard Trade Size knockout or slip hole.
- To seal the cable where it enters cabinet (use Type PKSR†† described below).

Material/Finish:
Cast Aluminum fittings, complete with Bakelite Wedging Plug. Zinc plated steel screws and steel or malleable iron locknut. Stainless steel screws and/or aluminum locknuts available.

To Order Specify:
1 Catalog Number
2 Number of Conductors
3 Diameter over insulation of individual conductors and over any bare conductors.

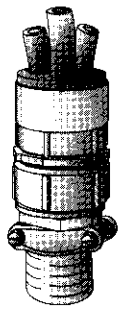
†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in range shown in column headed "Nominal Diameter over Armor."

Third Party Certification:
CSA Certified: 11584

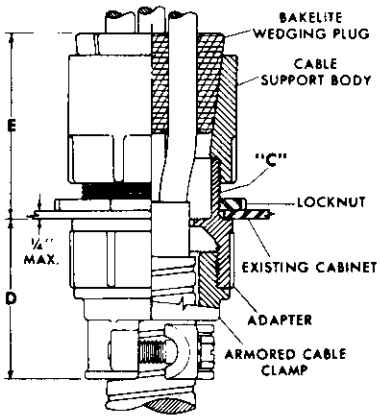
Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

**Such as interlocked armor, continuous corrugated metal sheath, smooth aluminum sheath and similar types. Jacket over armor if any, is removed from that part of the armor to be enclosed in the terminator.

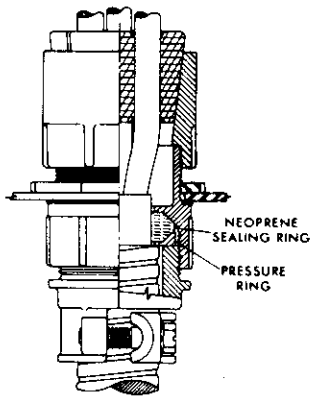
††Type PKSR (Fig. 2) is the same as the Type PKR (Fig. 1) with an added watertight sealing gland. The Type PKSR is suitable only for interlocked armor cable with no jacket over the armor, but having a waterproof jacket under the armor and fillers between conductors, similar fittings for armored cable are shown on page TB2.



Type PKR



Type PKR Fig. 1



Type PKSR Fig. 2

Trade Size C	Type PKR Nominal Diameter Over Armor† (Range in Inches) Min.	Max.	Catalog Number	Type PKSR Nominal Diameter Over Armor (Range in Inches) Min.	Max.	Catalog Number	D Max.	E	Max. Dia.
1½	1.19	1.56	PKR-156-15	1.35	1.56	PKSR-156-16	3¼	3⅛	2½
2	--	--	--	1.57	1.78	PKSR-178-20	3¼	3½	3⅛
2	1.35	2.00	PKR-200-20	1.79	2.00	PKSR-200-20	3¼	3½	3⅛
2½	--	--	--	2.01	2.20	PKSR-220-25	3⅞	3¾	3⅝
2½	1.79	2.40	PKR-240-25	2.21	2.40	PKSR-240-25	3⅞	3¾	3⅝
3	--	--	--	2.41	2.58	PKSR-258-30	4¼	4⅛	4¼
3	--	--	--	2.59	2.78	PKSR-278-30	4¼	4⅛	4¼
3	2.21	2.98	PKR-298-30	2.79	2.98	PKSR-298-30	4¼	4⅛	4¼
3½	--	--	--	2.99	3.20	PKSR-320-35	4⅝	4½	4⅞
3½	2.79	3.44	PKR-344-35	3.21	3.44	PKSR-344-35	4⅝	4½	4⅞
4	--	--	--	3.45	3.67	PKSR-367-40	4⅞	4⅞	5⅜
4	3.21	3.91	PKR-391-40	3.68	3.91	PKSR-391-40	4⅞	4⅞	5⅜
5	--	--	--	3.92	4.14	PKSR-414-50	5⅛	5⅜	6¾
5	--	--	--	4.15	4.39	PKSR-439-50	5⅛	5⅜	6¾
5	--	--	--	4.40	4.60	PKSR-460-50	5⅛	5⅜	6¾
5	3.92	4.84	PKR-484-50	4.61	4.84	PKSR-484-50	5⅛	5⅜	6¾
6	--	--	--	4.85	5.20	PKSR-520-60	5⅛	5⅞	8
6	4.56	5.51	PKR-551-60	5.21	5.51	PKSR-551-60	5⅛	5⅞	8

Filling compound not included - See Page RA15

Armored/Metal Clad Cable Terminators

For Non-Jacketed Interlocked Armor Cable - Flange Type

Type PKP

Use with Interlocked Armor Cable with no jacket over armor but having a waterproof jacket under armor and fillers between conductors••

Use:
- To terminate and ground the armor.
- To secure and seal the cable where it enters a cabinet or structure.

Material/Finish:
Cast Aluminum fittings, complete with neoprene gasket zinc plated steel screws, mounting bolts, nuts and lockwashers. Stainless steel screws, mounting bolts, nuts and lockwashers are available.

To Order Specify:
1 Catalog Number
2 Flange Size (base size 3, 4 or 5)

†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in the range shown in column headed "Nominal Diameter over Armor".

Third Party Certification:
CSA Certified: 11582

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

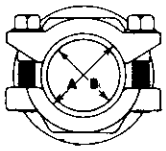
Fittings as furnished will accommodate structure wall thickness up to 1/4". If heavier wall thickness is required, longer bolts can be supplied at additional cost.

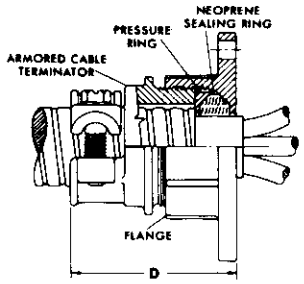
Drillings other than standard, can be furnished on request at additional cost.

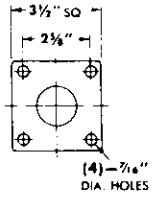
**P4 Flanges are also available with 3/8" blind drilled and tapped holes at additional cost. This is recommended when used in an inverted position (top of cabinet) to provide a watertight seal for the cabinet or structure. Use above Catalog Number and add Suffix "L" as "PKP 278-P4L."

††These fittings have a "P5" flange with a maximum diameter of 8¼" and a bolt circle of 7⅜".

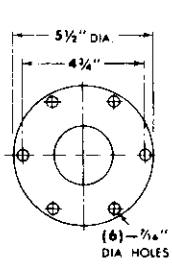
••When entering a capnut terminal pothead, using an asphaltic type compound and there are no fillers and/or waterproof jacket under the armor, the interstices at the termination should be filled with duct seal or other suitable material before pouring compound. If another type compound is used which, at operating temperature becomes a liquid, provide suitable epoxy resin dam 1 to 2½" thick over the duct seal before pouring compound.



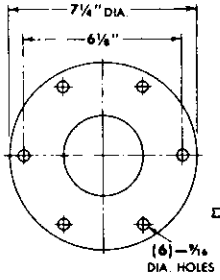




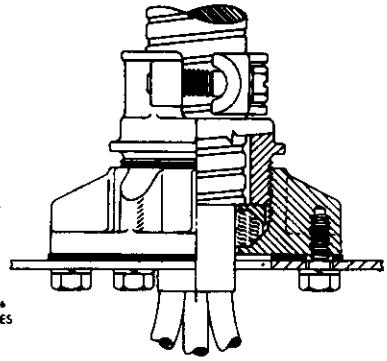
P3 Flange



P4 Flange



P5 Flange



Type "P4L" Blind D&T Flange Entering Top of Cabinet
(See **note)

Over Armor† (Range in In.) Min.	Max.	Dim. in In. A	B	P3 Flange Catalog Number	Dim. D	P4 Flange** Catalog Number	Dim. D	P5 Flange Catalog Number	Dim. D
.97	1.18	1.21	1	PKP-118-P3	3				
1.19	1.34	1.37	1 5/32	PKP-134-P3	3⅛				
1.35	1.56	1.60	1 13/32	PKP-156-P3	3⅛	PKP-156-P4	3⅛		
1.57	1.78	1.82	1⅝	PKP-178-P3	3⅛	PKP-178-P4	3⅛		
1.79	2.00	2.05	1 13/16	--	--	PKP-200-P4	3¼		
2.01	2.20	2.26	2 1/16	--	--	PKP-220-P4	3¼		
2.21	2.40	2.46	2 5/32	--	--	PKP-240-P4	3⅜	PKP-240-P5	3⅜
2.41	2.58	2.65	2 1/16	--	--	PKP-258-P4	4	PKP-258-P5	4
2.59	2.78	2.85	2 21/31	--	--	PKP-278-P4	4	PKP-278-P5	4
2.79	2.98	3.06	2 27/32	--	--	PKP-298-P4	5¼	PKP-298-P5	4⅛
2.99	3.20	3.29	3⅛	--	--	PKP-320-P4	5½	PKP-320-P4	4⅜
3.21	3.44	3.58	3 5/16	--	--	--	--	PKP-344-P5	4½
3.45	3.67	3.77	3 5/16	--	--	--	--	PKP-367-P5	4½
3.68	3.91	4.02	3 13/16	--	--	--	--	PKP-391-P5††	5¼
3.92	4.14	4.25	4	--	--	--	--	PKP-414-P5††	5¼
4.15	4.39	4.48	4¼	--	--	--	--	PKP-439-P5††	5¼
4.40	4.60	4.69	4½	--	--	--	--	PKP-460-P5††	5¼
4.61	4.84	4.94	4¾	--	--	--	--	PKP-484-P5††	5¼

Armored/Metal Clad Cable Terminators

For Non-Jacketed Metal Clad** Cable Entering Conduit

Type PKK

Non-Watertight for dry locations.
Use with any type of Armored Cable.

Use:
- To terminate and ground the armor.
- To secure the cable entering into a conduit

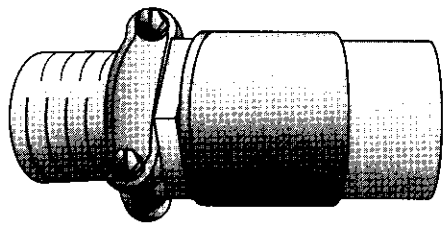
Material/Finish:
Cast Aluminum fittings, complete with zinc plated steel screws. Stainless steel screws are available.

To Order Specify:
1 Catalog Number

†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in the range shown in column headed "Nominal Diameter over Armor".

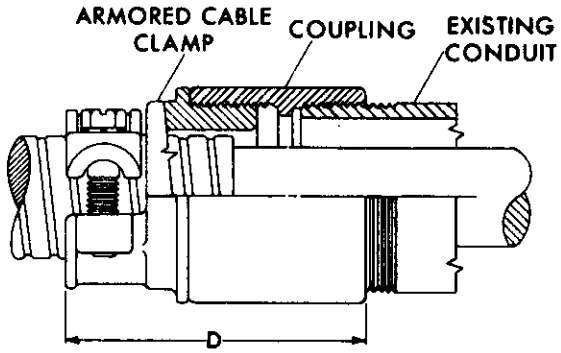
Couplings to accommodate conduit sizes other than shown can be provided.

**Such as interlocked armor, continuous corrugated metal sheath, smooth aluminum sheath and similar types. Jacket over armor if any, is removed from that part of the armor to be enclosed in the terminator.



Type PKK

Nominal Dia. over Armor† in Inches Min.	Max.	Conduit Size	Catalog Number	Dim. In Inches D	Turning Radius
.45	.62	¾	PKK-62-07	3	¾
.63	.80	¾	PKK-80-07	3	⅞
.81	.96	1	PKK-96-10	3½	⅞
.81	1.34	1¼	PKK-134-12	4	1¼
1.19	1.56	1½	PKK-156-15	4⅛	1⅜
1.35	2.00	2	PKK-200-20	4⅛	1¾
1.79	2.40	2½	PKK-240-25	4¾	2
2.21	2.98	3	PKK-298-30	5⅛	2⅜
2.79	3.44	3½	PKK-344-35	5½	2¾
3.21	3.91	4	PKK-391-40	6	3
3.92	4.84	5	PKK-484-50	6¼	3⅜
4.56	5.51	6	PKK-551-60	6⅜	4 1/16



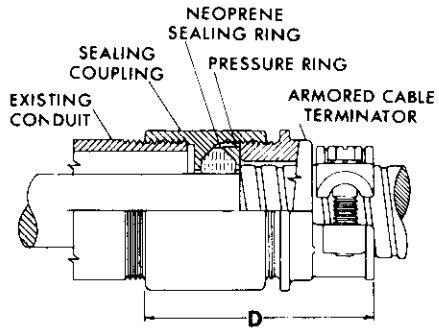
Armored/Metal Clad Cable Terminators

For Non-Jacketed Interlocked Armor Cable Entering Conduit

Type PKGK

Watertight for Wet Locations. Without compound chamber. Use with Interlocked Armor Cable with no jacket over armor but having a waterproof jacket under armor and fillers between conductors.

Use:
- To terminate and ground the armor.
- To secure and seal cable entering into a conduit.



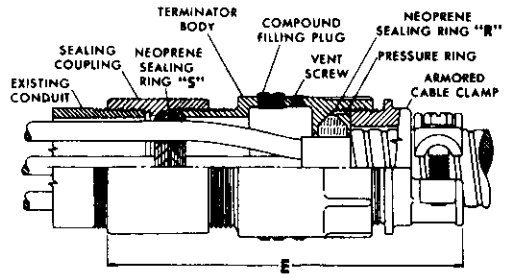
Type PKGK

Type PKHK

Watertight for Wet Locations. Compound Type. Use with Interlocked Armor Cable with no jacket over armor but having a waterproof jacket under armor and fillers between conductors•

Use:
- To terminate and ground the armor.
- To secure and seal cable entering into a conduit.
- To provide compound seal for cable where jacket is removed. Type PKHK may be used in the:

1. Horizontal position as shown.
2. Upright position with armor clamp bottom. (Omit neoprene rings "S".)
3. Inverted position with armor clamp at top. (Omit neoprene ring "R" and pressure ring.)



Type PKHK

Type PKGK & Type PKHK

Materials/Finish:
Cast Aluminum fittings, complete with zinc plated steel screws. Stainless steel screws are available.

To Order Specify:
1 Catalog Number
2 Number of Conductors
3 Diameter over insulation of individual conductors and over any bare conductors (PKHK).

Couplings to accommodate conduit sizes other than shown can be provided at additional cost.

†Select fitting size on basis of nominal diameter of cable over armor. This diameter should be in the range shown in column headed "Nominal Diameter over Armor".

•When there are no fillers and/or waterproof jacket under the armor, the interstices at the termination should be filled with duct seal or other suitable material before pouring compound. If there are bare stranded ground conductors in the cable core, the strands should be spread apart in the terminator body to allow compound to seal around each strand.

Trade Size C	Nominal Dia. Over Armor† (Range in Inches) Min.	Max.	Type PKGK (Gland Type) Catalog Number	D	Type PKHK (Compound Type) Catalog Number	E	Turning Radius	Approx. Compound Required Pints
¾	.45	.62	PKGK-62-07	3	PKHK-62-07	6	⅞	⅛
¾	.63	.80	PKGK-80-07	3	PKHK-80-07	6	⅞	⅛
1	.81	.96	PKGK-96-10	3½	PKHK-96-10	6⅞	1⅛	⅛
1¼	.97	1.18	PKGK-118-12	4	PKHK-118-12	7¼	1⅜	¼
1¼	1.19	1.34	PKGK-134-12	4	PKHK-134-12	7¼	1⅜	¼
1½	1.35	1.56	PKGK-156-15	4⅛	PKHK-156-15	7⅜	1¾	¼
2	1.57	1.78	PKGK-178-20	4⅛	PKHK-178-20	7⅜	1⅞	½
2	1.79	2.00	PKGK-200-20	4⅛	PKHK-200-20	7⅜	2	½
2½	2.01	2.20	PKGK-220-25	4¾	PKHK-220-25	8⅛	2⅛	¾
2½	2.21	2.40	PKGK-240-25	4¾	PKHK-240-25	8⅛	2¼	¾
3	2.41	2.58	PKGK-258-30	5⅛	PKHK-258-30	9⅝	2¼	1
3	2.59	2.78	PKGK-278-30	5⅛	PKHK-278-30	9⅝	2½	1
3	2.79	2.98	PKGK-298-30	5⅛	PKHK-298-30	9⅝	2⅝	1
3½	2.99	3.20	PKGK-320-35	5½	PKHK-320-35	10¼	2¾	1½
3½	3.21	3.44	PKGK-344-35	5½	PKHK-340-35	10¼	3	1½
4	3.45	3.67	PKGK-367-40	6	PKHK-367-40	11¾	3¼	2
4	3.68	3.91	PKGK-391-40	6	PKHK-391-40	11¾	3½	2¾
5	3.92	4.14	PKGK-414-50	6¼	PKHK-414-50	12¼	3⅝	4
5	4.15	4.39	PKGK-439-50	6¼	PKHK-439-60	12¼	3¾	4
5	4.40	4.60	PKGK-460-50	6¼	PKHK-460-60	12¼	3⅞	4
5	4.61	4.84	PKGK-484-50	6¼	PKHK-484-50	12¼	3⅞	4
6	4.85	5.20	PKGK-520-60	6½	PKHK-520-60	12¼	4⅛	5¼
6	5.21	5.51	PKGK-551-60	6½	PKHK-661-60	12¼	4⅛	5¼

Filling compound not included – shown on Page RA15.

FAST-FIT™ Metal Clad Jacketed Cable Connectors

Type MCJ
Malleable Iron

Type MCJ-A
Copper Free Aluminum

Use:
• To secure, ground and seal metal clad jacketed cable to enclosures or raceways.

Features:
• Fast installation without disassembly of fitting.
• Wide cable range per fitting (requires less inventory)
• Positive ground between cable armor and fitting
• Neoprene grommet assures water and dust tight seal on jacket
• Exceeds pull-out requirements on cable
• Rugged construction in malleable iron, aluminum, or bronze
• For use with jacketed metal clad, teck, smooth or corrugated continuous or gas-blocked cables.
• Fits all armored cable regardless of convolution differences

Materials:
Body and Nut - malleable iron or copper free aluminum
Grounding Ring - stainless steel -non-magnetic
Grommet - neoprene
Pressure Ring - aluminum

Finish:
Malleable Iron, Zinc Plated Aluminum - Natural finish

Optional Finish/Accessories:
Malleable Iron - Mechanically Galvanized Finish available.
Contact your local representative.
All fittings can be supplied with neoprene gasket, locknut and Insulating bushing. Add Suffix "LGB".

Third Party Certification:
UL Listed: E-36853
Suitable for wet locations

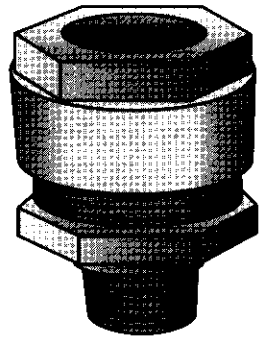
CSA Certified: 9795
Raintight

Applicable Third Party Standards:
UL Standard: 514B
National Electrical Code Article:
334 501-4(b), 502-4(b);
CSA Standards: C22.2 No.18
Fed. Spec: W-F-406B

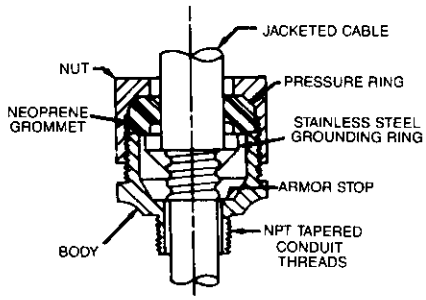
Suggested Specification:
"A metal clad jacketed cable connector shall be used to secure, ground and seal jacketed metal clad cable to enclosures or raceways. These fittings shall be malleable iron or aluminum construction and allow installation without connector disassembly. Jacketed metal clad cable connectors shall be O-Z/Gedney Type MCJ or Type MCJ-A.

Note:
Suitable for use in the following hazardous locations:
USA:
Class I, Div. 2
Class II, Div. 2
Class III, Div. 1, 2

Canada:
Class I, Div. 2;
Class II, Div. 1, 2
Class III, Div. 1, 2
Sealing fittings may be required when entering explosion proof enclosures.



Type MCJ



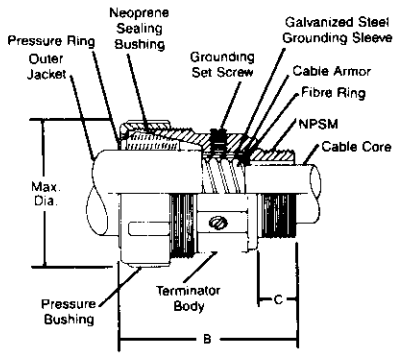
Trade Size (inches)	Malleable Iron Catalog Number	Copper Free Aluminum Catalog Number	Dimensions in inches: Jacket Range Min.	Jacket Range Max.	Armor Range Min.	Armor Range Max.	Max. Dia.	Max. Length	Thread Length	Armor Stop I.D.	Strip Jacket From Armor
½	MCJ-50-63	MCJ-50-63A	.47	.63	.38	.54	1¾	2 5/16	9/16	.35	¾
½	MCJ-50-75	MCJ-50-75A	.59	.75	.50	.66	1¾	2 5/16	9/16	.47	¾
½	MCJ-50-88	MCJ-50-88A	.72	.88	.63	.79	1¾	2 5/16	9/16	.60	¾
¾	MCJ-75-97	MCJ-75-97A	.79	.97	.70	.88	2⅛	2 7/16	9/16	.67	¾
¾	MCJ-75-111	MCJ-75-111A	.93	1.11	.84	1.02	2⅛	2 7/16	9/16	.81	¾
1	MCJ-100-119	MCJ-100-119A	.99	1.19	.90	1.10	2½	2¾	11/16	.87	¾
1	MCJ-100-136	MCJ-100-136A	1.16	1.36	1.07	1.27	2½	2¾	11/16	1.04	¾
1¼	MCJ-125-156	MCJ-125-156A	1.33	1.56	1.23	1.46	2 15/16	3 1/16	¾	1.20	⅞
1¼	MCJ-125-175	MCJ-125-175A	1.52	1.75	1.42	1.65	2 15/16	3 1/16	¾	1.39	⅞
1½	MCJ-150-176	MCJ-150-176A	1.50	1.76	1.40	1.66	3 3/16	3¼	¾	1.37	1
1½	MCJ-150-198	MCJ-150-198A	1.72	1.98	1.62	1.88	3 3/16	3¼	¾	1.59	1
2	MCJ-200-222	MCJ-200-222A	1.93	2.22	1.79	2.08	3 11/16	3⅜	¾	1.78	1
2	MCJ-200-247	MCJ-200-247A	2.18	2.47	2.06	2.35	3 11/16	3⅜	¾	2.03	1

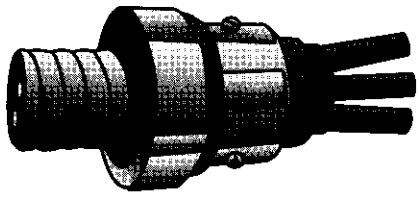
Armored/Metal Clad Cable Terminators

For Jacketed Metal Clad Cable

Type PG
Type PG-A

For Jacketed Metal Clad Cable such as Interlocked Armor, corrugated metal sheath, smooth aluminum sheath and similar types.





Type PG

Use:
Use with jacketed armored cable. To terminate and ground the armor, and to secure and seal cable entrance into a cabinet or terminal box through a standard knockout, slip-hole or D&T entrance.

Features:
- Suitable for wet locations
- Gland type (with grounding sleeve and set-screws)

Materials/Finish:
Type PG are malleable or ductile iron fittings, zinc plated. They are supplied with electro-plated grounding screws and pressure ring. They are available with stainless steel grounding screws and pressure ring. Prices on application.

Type PG-A are copper free aluminum fittings, supplied with stainless steel grounding screws and pressure ring. All fittings can be supplied with neoprene gasket, locknut and insulating bushing. Prices on application. (Add Suffix "LGB".)

Third Party Certification:
UL Listed: E-36853
Suitable for wet locations
CSA Certified: 15553

Applicable Third Party Standards:
UL Standard: 514B
CSA Standards: C22.2 No.18
Fed. Spec: W-F-406B

TO ORDER SPECIFY:
1 Catalog Number
2 Cable Core Diameter

Size (inches)	Malleable Iron Catalog Number	Copper-Free Aluminum Catalog Number	Cable Range Dia. Over Jacket Min.	Cable Range Dia. Over Jacket Max.	Max Dia.	Dimensions in Inches B Approx.	C	Dia. of Cable Core
½	PG-57-05	PG-57-05A	.48	.57	1 7/16	2½	9/16	.31
½	PG-66-05	PG-66-05A	.57	.66	1 7/16	2½	9/16	.40
½	PG-78-05	PG-78-05A	.64	.78	1 7/16	2½	9/16	.51
½	PG-89-05	PG-89-05A	.75	.89	1 7/16	2½	9/16	.61
½	PG-98-05	PG-98-05A	.85	.98	1 7/16	2½	9/16	.61
¾	PG-89-07	PG-89-07A	.75	.89	1 15/16	2⅝	9/16	.61
¾	PG-98-07	PG-98-07A	.85	.98	1 15/16	2⅝	9/16	.72
¾	PG-107-07	PG-107-07A	.88	1.07	1 15/16	2⅝	9/16	.77
¾	PG-121-07	PG-121-07A	1.03	1.21	1 15/16	2⅝	9/16	.85
1	PG-107-10	PG-107-10A	.88	1.07	2 5/16	3 1/16	1 1/16	.75
1	PG-121-10	PG-121-10A	1.03	1.21	2 5/16	3 1/16	1 1/16	.91
1	PG-138-10	PG-138-10A	1.18	1.38	2 5/16	3 1/16	1 1/16	1.04
1¼	PG-138-12	PG-138-12A	1.18	1.38	2 13/16	3⅜	1 1/16	1.04
1¼	PG-163-12	PG-163-12A	1.36	1.63	2 13/16	3⅜	1 1/16	1.24
1¼	PG-188-12	PG-188-12A	1.62	1.88	2 13/16	3⅜	1 1/16	1.42
1½	PG-200-15	PG-200-15A	1.73	2.00	3⅛	4	¾	1.61
1½	PG-219-15	PG-219-15A	1.93	2.19	3⅛	4	¾	1.61
2	PG-219-20	PG-219-20A	1.93	2.19	3 15/16	4 5/16	25/32	1.79
2	PG-240-20	PG-240-20A	2.10	2.40	3 15/16	4 5/16	25/32	1.96
2	PG-261-20	PG-261-20A	2.35	2.61	3 15/16	4 5/16	25/32	2.09
2	PG-275-20	PG-275-20A	2.50	2.75	3 15/16	4 5/16	25/32	2.09
2½	PG-263-25	PG-263-25A	2.37	2.63	4⅜	5¼	1 3/16	1.99
2½	PG-283-25	PG-283-25A	2.56	2.83	4⅜	5¼	1 3/16	2.43
2½	PG-300-25	PG-300-25A	2.73	3.00	4⅜	5¼	1 3/16	2.43
2½	PG-322-25	PG-322-25A	2.97	3.22	4⅜	5¼	1 3/16	2.49
3	PG-300-30	PG-300-30A	2.73	3.00	5 3/16	5⅜	1¼	2.43
3	PG-322-30	PG-322-30A	2.94	3.22	5 3/16	5⅜	1¼	2.49
3	PG-347-30	PG-347-30A	3.20	3.47	5 3/16	5⅜	1½	3.05
3	PG-363-30	PG-363-30A	3.37	3.63	5 3/16	5⅜	1¼	3.05
3½	PG-363-35	PG-363-35A	3.37	3.63	5⅞	5 9/16	1¼	3.19
3½	PG-388-35	PG-388-35A	3.59	3.88	5⅞	5 9/16	1¼	3.39
3½	PG-410-35	PG-410-35A	3.82	4.10	5⅞	5 9/16	1¼	3.55
4	PG-410-40	PG-410-40A	3.80	4.10	6⅜	5⅝	1 5/16	3.59
4	PG-428-40	PG-428-40A	4.00	4.28	6⅜	5⅝	1 5/16	3.79
4	PG-447-40	PG-447-40A	4.20	4.47	6⅜	5⅝	1 5/16	3.99
4	PG-465-40	PG-465-40A	4.40	4.65	6⅜	5⅝	1 5/16	4.11

Armored/Metal Clad Cable Terminators

For Jacketed Metal Clad Cable• - Upright

Type SPKC

Watertight - Compound Type
Use with armored cable having water proof jacket over armor.

Use:
• To terminate and ground the armor.
• To secure and seal cable entrance into bottom of a cabinet or terminal box through:
1. A standard knockout or slip hole (Fig. 1)
2. A standard Trade Size drilled and tapped entrance (Fig. 2)
3. A Trade Size drilled and tapped entrance with inside shoulder (Fig. 3)
To provide compound ** for cable core where armor is removed.

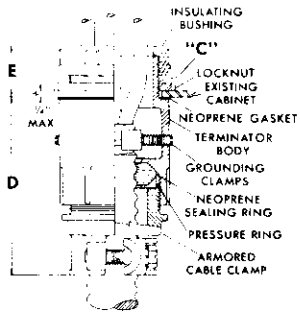
Material/Finish:
Cast aluminum fittings, complete with Insulating Bushing. Zinc plated steel screws and steel or malleable iron locknut. Stainless steel screws and/or aluminum locknuts available.

To Order Specify:
1 Catalog Number

†Select fitting size on basis of diameter over jacket. This diameter should be in the range shown in column headed "Cable Range Dia. Over Jacket". Each fitting will accommodate only cable within the diameter range shown in that column.

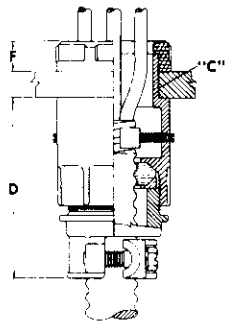
**Where there are no fillers under the armor, the interstices at the termination should be filled with duct seal, or other suitable material before compound.

•Such as interlocked armor, continuous corrugated metal sheath. Smooth aluminum sheath and similar types.

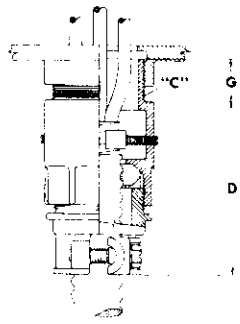


Type SPKC Fig. 1
Through Trade Size K.O. or Slip Hole

Type SPKC



Type SPKC Fig. 2
Through Trade Size Drilled and Tapped Hole



Type SPKC Fig. 3
Through Trade Size D&T Entrance with Inside Shoulder

Trade Size C	Nominal Dia. Over Armor† (Range in In.) Min.	Max.	Catalog Number	Fig. 1 D	Fig. 1 E	Fig. 2 & 3 Max. Dia.	Fig. 2 & 3 F	Fig. 2 & 3 G	Fig. 2 & 3 Turning Radius	Approx. Compound Required Pints
				Dimensions in Inches						
1	.47	.62	SPKC-62-10	4⅝	1⅛	1⅞	⅝	⅞	1⅛	⅛
1¼	.63	.78	SPKC-78-12	4¾	1¼	2½	¾	1	1⅜	¼
1¼	.79	.96	SPKC-96-12	4¾	1¼	2½	¾	1	1⅜	¼
1½	.97	1.12	SPKC-112-15	4⅞	1¼	2¾	¾	1	1 1/16	¼
2	1.13	1.37	SPKC-137-20	5½	1⅜	3⅜	¾	1⅛	1 3/16	½
2	1.38	1.53	SPKC-153-20	5½	1⅜	3⅜	¾	1⅛	1 3/16	½
2½	1.54	1.74	SPKC-174-25	6¼	1⅜	3⅞	⅞	1⅛	2 1/16	¾
2½	1.75	1.96	SPKC-196-25	6¼	1⅜	3⅞	⅞	1⅛	2 1/16	¾
3	1.97	2.15	SPKC-215-30	6¾	1½	4⅜	⅞	1¼	2½	1
3	2.16	2.34	SPKC-234-30	6¾	1½	4⅜	⅞	1¼	2½	1
3	2.35	2.53	SPKC-253-30	6¾	1½	4⅜	⅞	1¼	2½	1
3½	2.54	2.80	SPKC-280-35	7⅜	1⅝	5⅛	⅞	1¼	2¾	1½
3½	2.81	2.98	SPKC-298-35	7⅜	1⅝	5⅛	⅞	1¼	2¾	1½
4	2.99	3.23	SPKC-323-40	8	1⅝	5⅝	⅞	1⅜	3⅛	2
4	3.24	3.45	SPKC-345-40	8	1⅝	5⅝	⅞	1⅜	3⅛	2
4½	3.46	3.70	SPKC-370-45	8⅛	1⅞	6¼	1⅛	1⅜	3½	2¾
5	3.71	3.95	SPKC-395-50	8⅛	1⅞	6¾	1⅛	1½	3⅞	4
5	3.96	4.20	SPKC-420-50	8⅛	1⅞	6¾	1⅛	1½	3⅞	4
5	4.21	4.41	SPKC-441-50	8⅛	1⅞	6¾	1⅛	1½	3⅞	4
5	4.42	4.62	SPKC-462-50	8⅛	1⅞	6¾	1⅛	1½	3⅞	4
6	4.68	4.95	SPKC-495-60	8⅛	2	8	1⅛	1¾	4⅜	6¼
6	4.96	5.26	SPKC-526-60	8⅛	2	8	1⅛	1¾	4⅜	6¼
6	5.27	5.51	SPKC-551-60	8⅛	2	8	1⅛	1¾	4⅜	6¼

Filling compound not included. See Page RA15.

Armored/Metal Clad Cable Terminators

For Jacketed Metal Clad Cable* - Horizontal

Type SPKH
Type SPKHA

Watertight for Wet Locations Compound Type. Use with armored cable having water proof jacket over armor.

Use:

- To terminate and ground the armor
- To secure and seal cable entrance into a cabinet or terminal box through:

1. A standard trade size knockout or slip hole (Fig. 1)
2. A standard trade size drilled and tapped entrance (Fig. 2)
3. A trade size drilled and tapped entrance with inside shoulder (Fig. 3)

- To provide compound seal** for cable core where armor is removed.

Material/Finish:

Cast aluminum fittings, complete with zinc plated steel screws and steel or malleable iron locknuts (locknuts are not required on the Type "SPKHA"). Stainless steel screws and/or aluminum locknuts available.

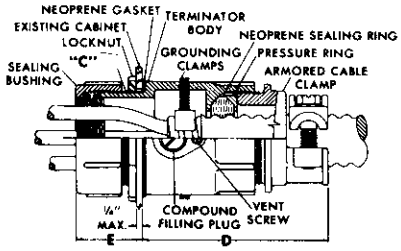
To Order Specify:

1 Catalog Number
2 Number of Conductors
3 Diameter over insulation of individual conductors and over any bare conductors

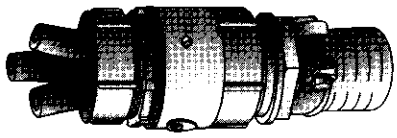
†Select fitting size on basis of diameter over jacket. This diameter should be in the range shown in column headed "Cable Range Dia. Over Jacket" . Each fitting will accommodate only cable within the diameter range shown in that column.

**When there are no fillers under the armor, the interstices at the termination should be filled with duct seal, or other suitable material before compound.

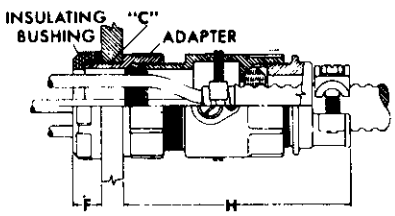
*Such as interlocked armor. Continuous corrugated metal sheath, smooth aluminum sheath and similar types.



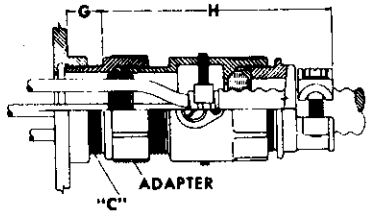
Type SPKH Fig. 1
Through Trade Size K.O. or Slip Hole



Type SPKH



Type SPKHA Fig. 2
Through Trade Size Drilled and Tapped Hole



Type SPKHA Fig. 3
Through Trade Size D&T Entrance with Inside Shoulder

Trade Size C	Cable Range Dia. over Jacket† (Range in In.) Min.	Max.	Type SPKH (Fig. 1) Dim. in Inches Catalog Number*	D	E	Max. Dia.	Type SPKHA (Fig. 2 & 3) Dim. in Inches Catalog Number*	F	G	H	Turning Radius	Approx. Compound Req'd. Pints
1	.57	.62	SPKH-62-10	4¼	1⅝	1¾	SPKHA-62-10	⅝	⅞	5⅛	1⅛	⅛
1¼	.63	.78	SPKH-78-12	4⅜	1¾	2⅜	SPKHA-78-12	¾	1	6⅛	1⅝	¼
1¼	.79	.96	SPKH-96-12	4⅜	1¾	2⅜	SPKHA-96-12	¾	1	6⅛	1⅝	¼
1½	.97	1.12	SPKH-112-15	4⅜	1¾	2⅜	SPHA-112-15	¾	1	6⅜	1¾	¼
2	1.13	1.37	SPKH-137-20	4⅜	1¾	2⅜	SPKHA-137-20	¾	1⅛	6⅜	2	½
2	1.38	1.53	SPKH-153-20	4⅜	1¾	3⅜	SPKHA-153-20	¾	1⅛	6⅜	2	½
2½	1.54	1.74	SPKH-174-25	5½	2⅛	3⅜	SPKHA-174-25	⅞	1⅛	7⅜	2¼	¾
2½	1.75	1.96	SPKH-196-25	5½	2⅛	3⅜	SPKHA-196-25	⅞	1⅛	7⅜	2¼	¾
3	1.97	2.15	SPKH-215-30	5⅞	2⅜	4⅜	SPKHA-215-30	⅞	1¼	8⅛	2⅝	1
3	2.16	2.34	SPKH-234-30	5⅞	2⅜	4⅜	SPKHA-234-30	⅞	1¼	8⅛	2⅝	1
3	2.35	2.53	SPKH-253-30	6	2⅜	4⅜	SPKHA-253-30	⅞	1¼	8¼	2⅝	1
3½	2.54	2.80	SPKH-280-35	6¼	2⅜	5	SPKHA-280-35	⅞	1¼	8½	3	1½
3½	2.81	2.98	SPKH-298-35	6¼	2⅜	5	SPKHA-298-35	⅞	1¼	8½	3	1½
4	2.99	3.23	SPKH-323-40	7	2½	5½	SPKHA-323-40	⅞	1⅜	9⅜	3¼	2
4	3.24	3.45	SPKH-345-40	7	2½	5½	SPKHA-345-40	⅞	1⅜	9⅜	3¼	2
4½	3.46	3.70	SPKH-370-45	7½	2⅝	6¼	SPKHA-370-45	1⅛	1⅜	10⅛	3¼	2¾
5	3.71	3.95	SPKH-395-50	8	2⅝	6⅞	SPKHA-395-50	1⅛	1½	10⅝	3⅞	4
5	3.96	4.20	SPKH-420-50	8	2⅝	6⅞	SPKHA-420-50	1⅛	1½	10⅝	3⅞	4
5	4.21	4.41	SPKH-441-50	8	2⅝	6⅞	SPKHA-441-50	1⅛	1½	10¾	3⅞	4
5	4.42	4.62	SPKH-462-50	8	2⅝	6⅞	SPKHA-462-50	1⅛	1½	10¾	3⅞	4
6	4.63	4.95	SPKH-495-60	8	2⅝	8	SPKHA-495-60	1⅛	1¾	10¾	4	5¼
6	4.96	5.26	SPKH-526-60	8	2⅝	8	SPKHA-526-60	1⅛	1¾	10¾	4	5¼
6	5.27	5.51	SPKH-551-60	8	2⅝	8	SPKHA-551-60	1⅛	1¾	10¾	4	5¼

Filling compound not included. See Page RA15.

Armored/Metal Clad Cable Terminators

For Jacketed Metal Clad Cable• - Inverted

Type SPKT
Type SPKTA

Watertight for wet locations Compound Type. Use with armored cable having waterproof jacket over armor.

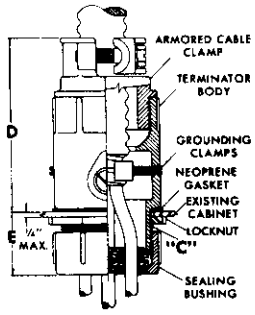
Use:
To terminate and ground the armor.
To secure and seal cable entrance into a cabinet or terminal box through:
1 A standard trade size knockout or slip hole (Fig. 1).
2 A standard trade size drilled and tapped entrance (Fig. 2).
3 A trade size drilled and tapped entrance with inside shoulder (Fig. 3).
To provide compound seal for cable core where armor is removed.

Materials/Finish:
Cast aluminum fittings, complete with zinc plated steel screws and steel or malleable iron locknuts (locknuts are not required on the Type SPKTA). Stainless steel screws and/or aluminum locknuts available.

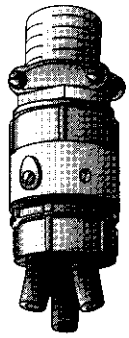
To Order Specify:
1 Catalog Number
2 Number of Conductors
3 Diameter over insulation of individual conductors and over any bare conductors

†Select fitting size on basis of diameter over jacket. This diameter should be in the range shown in column headed "Nominal Diameter over Jacket."

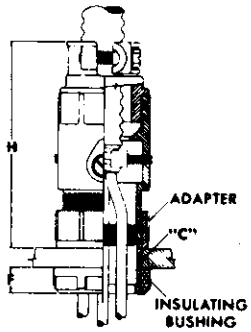
•Such as interlocked armor, smooth aluminum sheath and similar types.



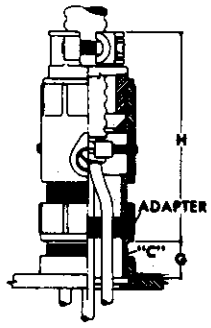
Type SPKT Fig. 1
Through Trade Size K.O. or Slip Hole



Type SPKT



Type SPKTA Fig. 2
Through Trade Size Drilled and Tapped Hole



Type SPKTA Fig. 3
Through Trade Size D&T Entrance with Inside Shoulder

Trade Size C	Cable Range Dia. over Jacket† (Range in In.) Min.	Max.	Type SPKT (Fig. 1) Dim. in Inches Catalog Number	D	E	Max. Dia.	Type SPKTA (Fig. 2 & 3) Dim. in Inches Catalog Number	F	G	H	Turning Radius	Approx. Compound Req'd. Pints
¾	.45	.62	SPKT-62-07	3¼	1⅝	1½	SPKTA-62-07	½	⅞	4⅞	1⅜₁₆	⅛
¾	.63	.80	SPKT-80-07	3¼	1⅝	1½	SPKTA-80-07	½	⅞	4⅞	⅞	⅛
1	.81	.96	SPKT-96-10	3⅞	1⅝	1¾	SPKTA-96-10	¾	⅞	5½	1⅛	⅛
1¼	.81	1.34	SPKT-134-12	4⅛	1¾	2½	SPKTA-134-12	¾	1	6	1⅜	¼
1½	1.19	1.56	SPKT-156-15	4⅛	1¾	2⅝	SPKTA-156-15	¾	1	6⅜	1¾	¼
2	1.35	2.00	SPKT-200-20	4⅜	1¾	3¼	SPKTA-200-20	¾	1⅛	6¾	2	½
2½	1.79	2.40	SPKT-240-25	5	2⅛	3⅜	SPKTA-240-25	⅞	1⅛	7⅞	2¼	¾
3	2.21	2.98	SPKT-298-30	5½	2⅜	4⅜	SPKTA-298-30	⅞	1¼	8¼	2⅝	1
3½	2.79	3.44	SPKT-344-35	6⅛	2⅜	5⅛	SPKTA-344-35	⅞	1¼	8⅞	3	1½
4	3.21	3.91	SPKT-391-40	6½	2½	5⅝	SPKTA-391-40	⅞	1⅜	9⅞	3¼	2
5	3.92	4.84	SPKT-484-50	7½	2⅝	6⅞	SPKTA-484-50	1⅛	1½	10¾	3⅝	4
6	4.56	5.51	SPKT-551-60	8	2⅝	8	SPKTA-551-60	1⅛	1¾	10¾	4	5¼

Filling compound not included. See Page RA15.

Armored/Metal Clad Cable Terminators

For Jacketed Metal Clad Cable• - Vertical Support Type

Type SPKSR

Watertight for wet locations. Gland Type with compound chamber. Use with any type armored cable having waterproof jacket over armor on vertical run

Use:

- To terminate and ground the armor.
- To secure seal and support vertical cable where it enters bottom of junction or puss boxes through a standard trade size knock-out or slip hole.
- To provide compound seal** for cable core where armor is removed

Material/Finish:

Cast aluminum fittings, complete with Bakelite wedging plug. Zinc plated steel screws and steel or malleable iron locknut. stainless steel screws and/or aluminum locknuts available.

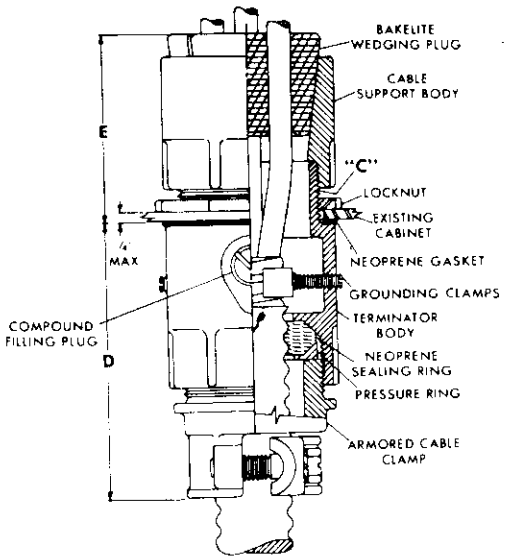
To Order Specify:

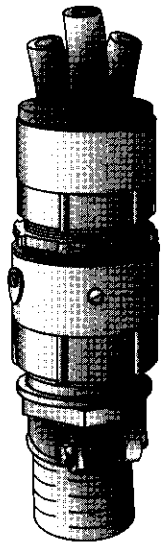
1 Catalog Number
2 Number of Conductors
3 Diameter over insulation of individual conductors and over any bare conductors

†Select fitting size on basis of diameter over jacket. This diameter should be in the range shown in column headed "Nominal Diameter over Jacket." Each fitting will accommodate only cable within the diameter range shown in that column.

**When compound is used and there are no fillers under the armor, the interstices at the termination should be filled with dust seal or other suitable material before pouring compound. If a non-water-tight filling is desired, use the Type PKR on Page TB8 of this catalog.

•Such as interlocked armor continuous corrugated metal sheath, smooth aluminum sheath and similar types.





Type SPKSR

Trade Size C	Cable Range Dia. over Jacket† (Range in In.) Min.	Max.	Catalog Number	Dim. in Inches D	E	Max. Dia.	Approx. Compound Required Pints
1½	.97	1.12	SPKSR-112-15	4⅝	3⅛	2⅝	¼
2	1.13	1.37	SPKSR-137-20	4⅝	3½	3⅛	½
2	1.38	1.53	SPKSR-153-20	4⅝	3½	3⅛	½
2½	1.54	1.74	SPKSR-174-25	5½	3¾	3⅝	¾
2½	1.75	1.96	SPKSR-196-25	5½	3¾	3⅝	¾
3	1.97	2.15	SPKSR-215-30	5⅞	4⅛	4⅜	1
3	2.16	2.34	SPKSR-234-30	5⅞	4⅛	4⅜	1
3	2.35	2.53	SPKSR-253-30	5⅞	4⅛	4⅜	1
3½	2.54	2.80	SPKSR-280-35	6¼	4½	5	1½
3½	2.81	2.98	SPKSR-298-35	6¼	4½	5⅛	1½
4	2.99	3.23	SPKSR-323-40	7	4⅝	5½	2
4	3.24	3.45	SPKSR-345-40	7	4⅝	5⅝	2
4½	3.46	3.70	SPKSR-370-45	7½	4¾	6¼	2¾
5	3.71	3.95	SPKSR-395-50	8	5⅜	6⅞	4
5	3.96	4.20	SPKSR-420-50	8	5⅜	6⅞	4
5	4.21	4.41	SPKSR-441-50	8	5⅜	6⅞	4
5	4.42	4.62	SPKSR-462-50	8	5⅜	6⅞	4
6	4.63	4.95	SPKSR-495-60	8⅛	5⅞	8	5¼
6	4.96	5.26	SPKSR-526-60	8⅛	5⅞	8	5¼
6	5.27	5.51	SPKSR-551-60	8⅛	5⅞	8	5¼

Filling compound not included. See Page RA15.

Armored/Metal Clad Cable Terminators

For Jacketed Metal Clad Cable• - Flange Type

Type SPKP

Use with armored cable having waterproof jacket over armor.

Use:
- To terminate and ground the armor.
- To secure and seal the cable where it enters a cabinet or structure.

Materials/Finish:
Cast aluminum fittings, furnished complete with Neoprene gasket and zinc plated steel screws, mounting bolts, nuts and lockwashers.

To Order Specify:
1 Catalog Number
2 Flange Size (base size 3, 4, or 5)

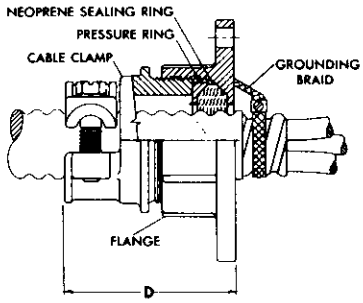
†Select fitting size on basis of diameter over jacket. This diameter should be in the range shown in column headed "Nominal Diameter over Jacket." Each fitting will accommodate only cable within the diameter range shown in that column.

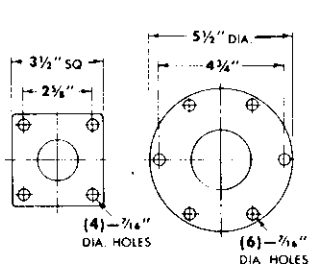
Fittings as furnished will accommodate structure wall thickness up to ¼". If heavier wall thickness is required, longer bolts can be supplied at additional cost.

**P4 Flanges are also available with ⅜" blind drilled and tapped holes. This is recommended when used in an inverted position (top of cabinet) to provide a watertight seal for cabinet or structure. Use above catalog number and add the Suffix "L", as "SPKP 253-P4L."

††These catalog numbers have a "P5" Flange with a maximum diameter of 8¼" and a 7⅜" diameter bolt circle.

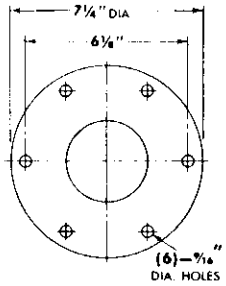
•Such as interlocked armor, continuous corrugated metal sheath, smooth aluminum sheath and similar types.



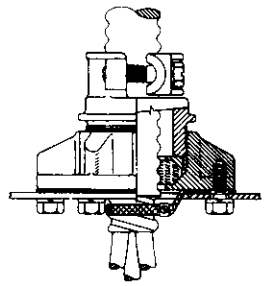


P3 Flange (Base size 3)

P4 Flange (Base size 4)



P5 Flange (Base size 5)



Type "P4L" Blind, D & T Flange Entering Top of Cabinet. (See ** note.)

Cable Range Dia. Over Jacket† (Range in Inches) Min.	Max.	P3 Flange Catalog Number	Dim. D	P4 Flange** Catalog Number	Dim. D	P5 Flange Catalog Number	Dim. D
.63	.78	SPKP-78-P3	2⅞				
.79	.96	SPKP-96-P3	2⅞				
.97	1.12	SPKP-112-P3	3⅛				
1.13	1.37	SPKP-137-P3	3⅛	SPKP-137-P4	3⅛		
1.38	1.53	SPKP-153-P3	3⅛	SPKP-153-P4	3⅛		
1.54	1.75	--	--	SPKP-174-P4	3¾		
1.75	1.96	--	--	SPKP-196-P4	3¾		
1.97	2.15	--	--	SPKP-215-P4	3⅞	SPKP-215-P5	3⅞
2.16	2.34	--	--	SPKP-234-P4	3⅞	SPKP-234-P5	3⅞
2.35	2.53	--	--	SPKP-253-P4	4	SPKP-253-P5	4
2.54	2.80	--	--	SPKP-280-P4	5¼	SPKP-280P4	4⅛
2.81	2.98	--	--	SPKP-298-P4	5¼	SPKP-298-P5	4⅛
2.99	3.23	--	--	--	--	SPKP-323-P5	4½
3.24	3.45	--	--	--	--	SPKP-345-P5	4½
3.46	3.70	--	--	--	--	SPKP-370-P5††	5¼
3.71	3.95	--	--	--	--	SPKP-395-P5††	5¼
3.96	4.20	--	--	--	--	SPKP-420-P5††	5¼
4.21	4.41	--	--	--	--	SPKP-441-P5††	5¼
4.42	4.62	--	--	--	--	SPKP-462-P5††	5¼

Armored/Metal Clad Cable Terminators

For Jacketed Metal Clad Cable• Entering Conduit

Type SPKGK

Without compound chamber.
Use with armored cable having waterproof jacket over armor.

Use:
• To terminate and ground the armor.
• To secure and seal cable entering into a conduit.

Type SPKHK

Compound type.
Watertight for wet locations. Use with armored cable having waterproof jacket over armor.

Use:
• To terminate and ground the armor.
• To secure and seal cable entering into a conduit.
• To provide compound seal** for cable where armor is removed
• May be used:
1 Horizontal position as shown
2 Upright position with armor clamp at bottom (omit neoprene rings "S")
3 Inverted position with armor clamp at top (omit neoprene ring "R" and pressure ring)

Type SPKGK & Type SPKHK

Materials/Finish:
Cast aluminum fittings, complete with zinc plated steel screws. Stainless steel screws are available.

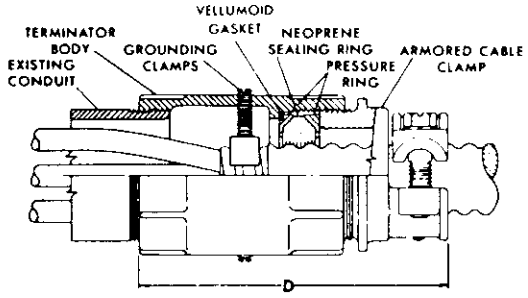
To Order Specify:
1 Catalog Number
2 Number of Conductors
3 Diameter over insulation of individual conductors and over any bare conductors (SPKHK)

Note: Couplings to accommodate conduit size other than shown can be provided at additional cost.

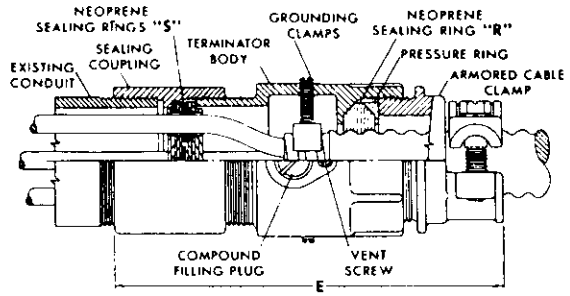
**Where there are no fillers under the armor, the interstices at the termination should be filled with dust seal or other suitable material before pouring compound.

†Select fitting size on basis of diameter over jacket. This diameter should be in the range shown in column headed "Nominal Diameter over Jacket." Each fitting will accommodate only cable within the diameter range shown in that column.

•Such as interlocked armor, continuous corrugated metal sheath, smooth aluminum sheath and similar types.



Type SPKGK



Type SPKHK

Conduit Size	Cable Range Dia. Over Jacket† (Range in Inches) Min.	Max.	Type SPKGK Catalog Number	Overall Length D	Type SPKHK Catalog Number	Overall Length E	Approx. Compound Required Pints	Max. Turning Radius
1	.47	.62	SPKGK-62-10	4⅜	SPKHK-62-10	6⅞	⅛	1⅞
1¼	.63	.78	SPKGK-78-12	4¾	SPKHK-78-12	7¼	¼	2½
1¼	.79	.96	SPKGK-96-12	4¾	SPKHK-96-12	7¼	¼	2½
1½	.97	1.12	SPKGK-112-15	4⅞	SPKHK-112-15	7½	¼	2¾
2	1.13	1.37	SPKGK-137-20	5½	SPKHK-137-20	7⅝	½	3⅜
2	1.38	1.53	SPKGK-153-20	5½	SPKHK-153-20	7⅝	½	3⅜
2½	1.54	1.74	SPKGK-174-25	6¼	SPKHK-174-25	8⅛	¾	3⅞
2½	1.75	1.96	SPKGK-196-25	6¼	SPKHK-196-25	8⅛	¾	3⅞
3	1.97	2.15	SPKGK-215-30	6¾	SPKHK-215-30	9⅝	1	4⅜
3	2.16	2.34	SPKGK-234-30	6¾	SPKHK-234-30	9⅝	1	4⅜
3	2.35	2.53	SPKGK-253-30	6¾	SPKHK-253-30	9¾	1	4⅜
3½	2.54	2.80	SPKGK-280-35	7⅜	SPKHK-280-35	10⅛	1½	5⅛
3½	2.81	2.98	SPKGK-298-35	7⅜	SPKHK-298-35	10⅛	1½	5⅛
4	2.99	3.23	SPKHK-323-40	8⅛	SPKHK-323-40	11⅛	2	5⅝
4	3.24	3.45	SPKGK-345-40	8⅛	SPKHK-345-40	11⅛	2	5⅝
4	3.46	3.70	SPKGK-370-4540	9⅞*	SPKHK-370-4540	12	2¾	6⅛
5	3.71	3.95	SPKGK-395-50	8¾	SPKHK-395-50	12⅜	4	6¾
5	3.96	4.20	SPKGK-420-50	8¾	SPKHK-420-50	12⅜	4	6¾
5	4.21	4.41	SPKGK-441-50	8¾	SPKHK-441-50	12⅜	4	6¾
5	4.42	4.62	SPKGK-462-50	8¾	SPKHK-462-50	12⅜	4	6¾
6	4.63	4.95	SPKGK-495-60	9½	SPKHK-495-60	12¼	5¼	4 1/16
6	4.96	5.26	SPKGK-526-60	9½	SPKHK-526-60	12¼	5¼	4 1/16
6	4.27	5.51	SPKGK-551-60	9½	SPKHK-551-60	12¼	5¼	4 1/16

Armored/Metal Clad Cable Terminators

For Use with Armored/Metal Clad Cable Terminators

Type APK

Angle Adapter

Use:
To terminate cable at a 45° angle to cabinet surfaces.

Material:
Cast Aluminum fittings, furnished complete with Neoprene gasket, steel bolts, nuts and lockwashers

To Order Specify:
1 Catalog Number

Third Party Certification:
CSA Certified: 15553

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

Note: Bolts furnished with fittings will accommodate structure with thickness up to ¼". If heavier wall thickness is required, longer bolts can be supplies.

†Recommended opening in structure.

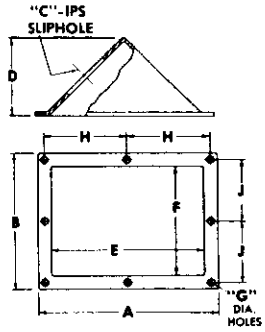
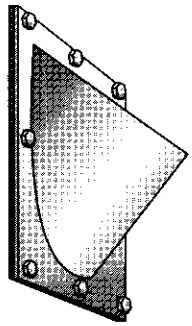


Fig. 1



Type APK

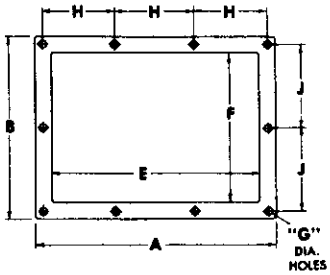
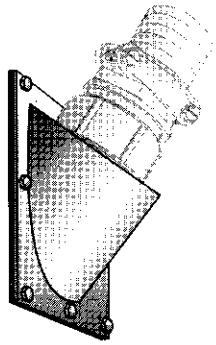


Fig. 2



Type APK Application

Catalog Number	Drilling Figure Number	A	B	C IPS Slip Hole	D	E†	F†	G	H	J
		Dimensions in Inches								
APK-10	1	6½	5¼	1	2¾	4¾	3½	5/16	2⅞	2¼
APK-12	1	6½	5¼	1¼	2¾	4¾	3½	5/16	2⅞	2¼
APK-15	1	6½	5¼	1½	2¾	4¾	3½	5/16	2⅞	2¼
APK-20	1	6½	5¼	2	2¾	4¾	3½	5/16	2⅞	2¼
APK-25	1	8¾	7	2½	3¾	6¾	5	⅜	3 15/16	3 1/16
APK-30	1	8¾	7	3	3¾	6¾	5	⅜	3 15/16	3 1/16
APK-35	2	10¾	8½	3½	4⅝	8½	6¼	7/16	3¼	3¾
APK-40	2	10¾	8½	4	4⅝	8½	6¼	7/16	3¼	3¾
APK-45	2	12⅝	10	4½	5⅝	10½	7¾	7/16	3⅞	4½
APK-50	2	12⅝	10	5	5⅝	10½	7¾	7/16	3⅞	4½

Armored/Metal Clad Cable Terminators

For Use with Armored/Metal Clad Cable Terminators

Type BPK

Mounting Bracket

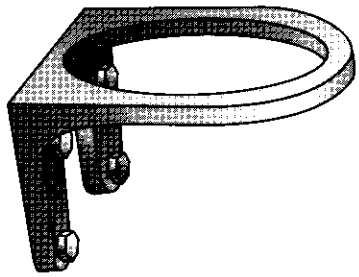
Use:
To mount terminators in switchgear, controller cabinets or on walls and structures.

Material:
Cast aluminum brackets.
Mounting bolts are not furnished.

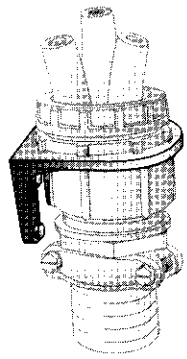
To Order Specify:
1 Catalog Number

Third Party Certification:
CSA Certified: 15553

Applicable Third Party Standards:
CSA Standard: C22.2 No. 18

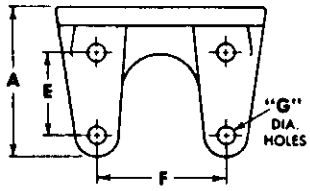


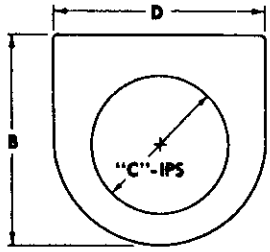
Type BPK



Type BPK Application

Catalog Number	Dimensions in Inches A	B	C IPS Slip Hole	D	E	F	G Dia. Holes
BPK-10	2½	2½	1	2⅞	1¼	1½	5/16
BPK-12	2⅝	3⅛	1¼	3⅛	1⅜	1¾	5/16
BPK-15	2¾	3½	1½	3½	1½	2	5/16
BPK-20	2⅞	4	2	4	1⅝	2⅜	5/16
BPK-25	3⅛	4½	2½	4½	1¾	2¾	⅜
BPK-30	3⅜	5¼	3	5⅛	2	3⅜	⅜
BPK-35	3⅝	5⅞	3½	5¾	2¼	4	⅜
BPK-40	3⅞	6⅝	4	6½	2½	4¾	⅜
BPK-45	4¼	7¼	4½	7⅛	2¾	5¼	7/16
BPK-50	4½	8	5	7¾	3	5¾	7/16





Other Fittings Available

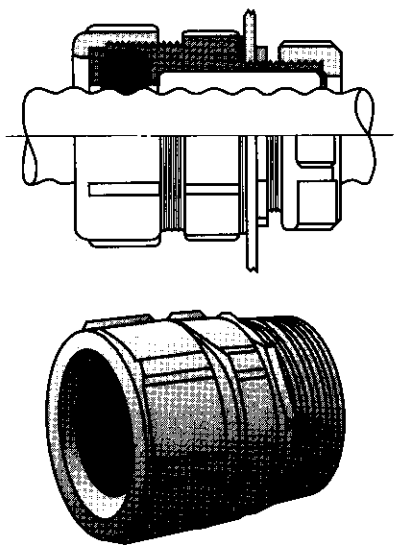
For Special Requirements

In this catalog we have shown our more popular fittings which will meet the requirements of most applications.

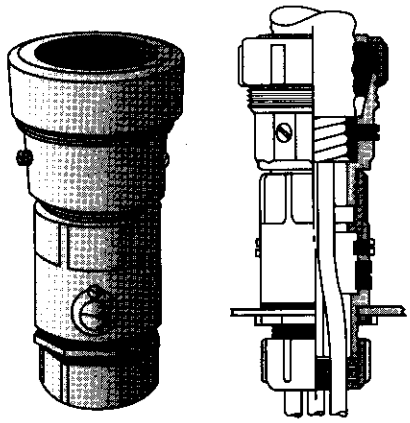
Special space requirements, special material requirements, special field conditions, special cable construction, etc. may require the use of fittings other than those cataloged.

O-/Gedney has always been interested in helping our customers solve their difficult application problems and have in our engineering files many specially engineered fitting designs to solve most field problems encouraged to date.

On this page we have shown a few such fittings. If, in reviewing our catalog, you do not see a fitting that meets your special terminating, sealing or splice application, let our representative or our factory know of your requirements.



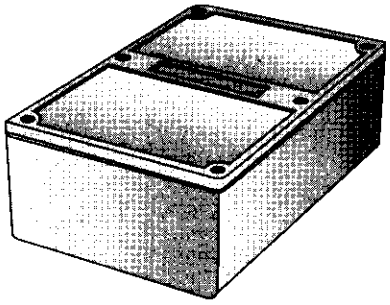
A watertight cable entrance fittings for sealing a multi-conductor jacketed armored cable or non-jacketed continuous armored cable entering an enclosure through a slip-hole or a drilled and tapped hole. Other fittings are available for single conductor cables. Can also be used with cable having no armor.



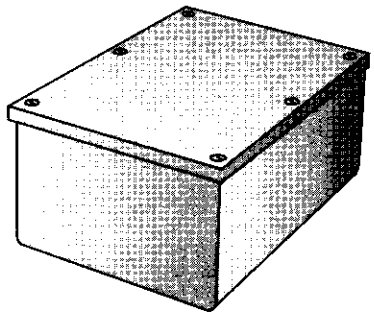
A compound sealed terminator to secure, seal and trifurcate a vertical or horizontal jacketed armored cable entering an enclosure. also available for cable entering a conduit system.

Cast Junction Boxes

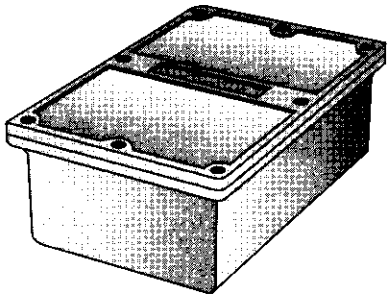
Surface Mounted



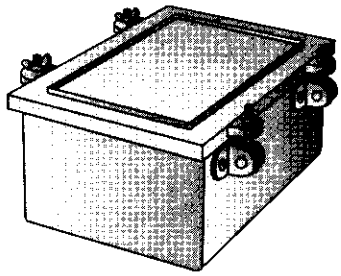
Types YS & Type YS-A
Pages UA12, UA13



Types YL & Type YL-A
Pages UA14, UA15

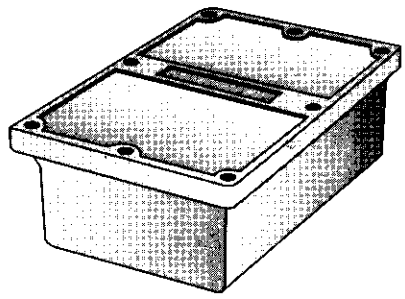


Types YF & Type YF-A
Pages UA16, UA17

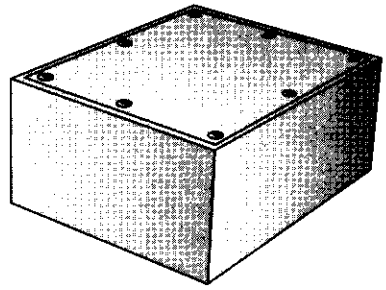


Types YW & Type YW-A
Pages UA18 & UA19

Flush Mounted

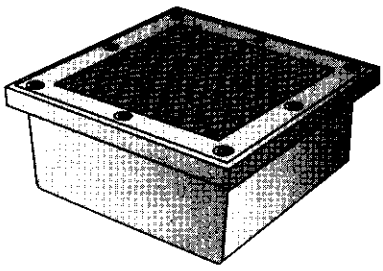


Type YR
Page UA20

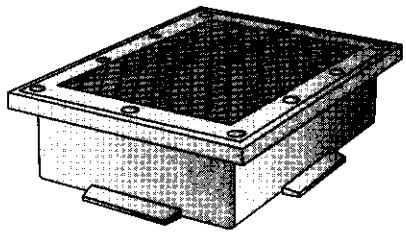


Type YU
Page UA21

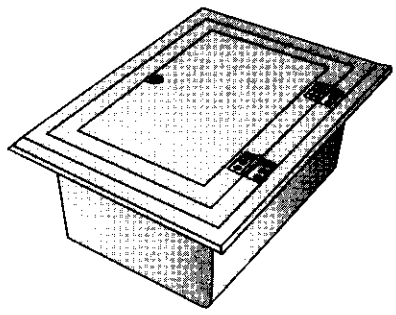
Sidewalk Boxes - Cabinets



Type YT
Page UA22



Types Y58E & Type YNY
Pages UA23, UA25



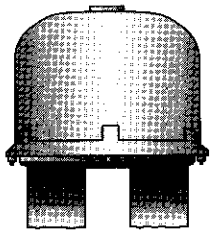
Type YC
Page UA24

Cast Junction Boxes

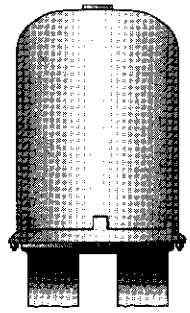
Our manufacturing and engineering facilities are available to help solve your special problems involving combinations of boxes and other equipment such as barriers, receptacles, terminal blocks, etc.

Please refer your requirements to our Engineering Department for their recommendations.

Above Ground Pull-N-Splice Boxes

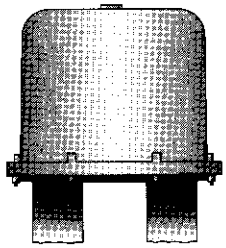


Type YCW & Type YCW-A
Page UA28



Type YPW & Type YPW-A
Page UA29

Above Ground Pull Boxes



Type YBW & Types YBW-A
Page UA30

Introduction to Cast Junction Boxes

I Purpose of Enclosure
Enclosures are used to protect personnel against accidental contact with enclosed electrical devices or connections and to protect the enclosed devices or connections against specified external conditions. They also serve as intermediate pulling points in a conduit system.

II Design of Enclosures
Enclosures are offered in different designs and construction to permit their use in various locations and areas. These are as follows:

Non-hazardous Locations:
1 Weatherproof boxes are so constructed as to be suitable for use outdoors under normal conditions. If it is necessary to prevent the entry of water under extreme conditions of weather, boxes listed as watertight or raintight are recommended.
2 Raintight boxes are so constructed as to exclude a beating rain. All boxes in this catalog which are designated as raintight have been so listed by Underwriters Laboratories, Inc.
3 Watertight boxes (NEMA Type 4) are constructed to meet the requirements listed under "NEMA DATA" on Page UA4.
4 Submersible Boxes are so constructed that they will exclude water when submerged under specified conditions of pressure and time.
5 Dust-Tight Boxes are so constructed to meet the requirements listed on Page UA4 under "NEMA DATA".

Hazardous Locations:
Consult Section V for our complete line of Hazardous Location Enclosures.

III Advantages of Cast Enclosures
Cast metal enclosures have the advantage over formed (fabricated) metal types for the following reasons:
A They are of one piece construction and do not have the disadvantages of spot welded seams usually found in formed metal boxes.
B They have greater mechanical strength, have thicker walls and are suitable for field drilling.
C They are corrosion resistant and can withstand more mechanical abuse.

IV Comparison of Enclosures in Various Cast Metals
CAST IRON BOXES will provide long life, are inherently corrosion resistant and have the lowest initial cost.
CAST ALUMINUM BOXES are lightweight, non-rusting, non-sparking, and non-magnetic. They are subject to corrosion under certain alkalis conditions such as encasement in concrete unless provided with a suitable coating.
CAST BRONZE BOXES will provide long life under adverse atmospheric conditions, are non-rusting, non-sparking and non-magnetic.

V Finishes on Cast Enclosures
CAST IRON - The hot-dip galvanized finish which is applied to all our cast iron boxes will conform to ASTM Designation A153-73, Class A and NEMA requirements for rust-resistance. Other protective finishes such as various types of paints or plastic coatings can be supplied.
CAST ALUMINUM - supplemental finishes are not normally required on cast aluminum enclosures. Special finishes such as anodizing or plastic coating to meet specific environmental conditions can be applied.
CAST BRONZE - Supplemental finishes are usually not required on cast bronze.

VI Hardware Used on Cast Enclosures
CAST IRON BOXES are furnished with Stainless Steel screws. Silicon bronze screws are available on most enclosures.
CAST ALUMINUM BOXES are furnished with stainless steel screws.
CAST BRONZE BOXES are furnished with either brass or silicon bronze screws.

VII Specification of Extras on Cast Enclosures
The type of holes to be provided for the entrance of conduit into the enclosure are defined under "Instructions for Ordering Boxes" on Page UA5.

VIII Specification of Extras on Cast Enclosures
The "Standard Construction" of each type of enclosure is shown on each listing. The extras which are available and must be specified are shown under "Additional Cost Items" on Pages UA7, UA8.

IX Delivery Schedules
Cast enclosures are normally produced to order. However, faster deliveries can be provided for some of the more commonly specified styles and sizes, which are listed under ***Express Shipment Program***.
Delivery schedules for these items and all other types and sizes of boxes listed in this catalog are shown on Page UA11. Contact your Local Representative for assistance to expedite shipments of the material required on your order.

Cast Iron & Cast Aluminum Boxes

NEMA Data

Our cast junction boxes are designed, constructed and tested to comply with NEMA standards. The following chart has been prepared to provide a quick reference for selecting enclosures to meet specific NEMA requirements.

A brief description of the more common types of enclosures used by the electrical industry relating to their environmental capabilities follows. Please refer to the appropriate sections of NEMA Standards Publication No. 250-1979. Enclosures for Electrical Equipment (1000 Volts Maximum) for complete information regarding applications, features and design tests.

Definitions Pertaining to Non-hazardous Locations

Type 1 enclosures are intended for use primarily to provide a degree of protection against contact with the enclosed equipment.
Type 2 enclosures are intended for indoor use primarily to provide a degree of protection against windblown dust, rain, sleet, and external ice formation.
Type 3R enclosures are intended for outdoor use primarily to provide a degree of protection against falling rain, sleet, and external ice formation.
non-corrosive coolant.
Type 3S enclosures are intended for outdoor use primarily to provide a degree of protection against windblown dust, rain, sleet, and provide for operation of external mechanisms when ice laden.
Type 4 enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, and hose-directed water.
Type 4X enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, and hose-directed water.
Type 5 enclosures are intended for indoor use primarily to provide a degree of protection against dust and falling dirt.
Type 6 enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth. (30 min. @ 6 ft.)
Type 6P enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against the entry of water during prolonged submersion at a limited depth. (24 hrs. @ 6ft.)
Type 11 enclosures are intended for indoor use primarily to provide by oil immersion, a degree of protection to enclosed equipment against the corrosive effects of liquids and gases.
Type 12 enclosures are intended for indoor use primarily to provide a degree of protection against dust, falling dirt, and dripping non-corrosive liquids.
Type 12K enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against dust, falling dirt, and dripping non-corrosive liquids other than at knockouts.
Type 13 enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and

Definitions Pertaining to Hazardous (Classified) Locations

Type 7 enclosures are for use indoors in locations classified as Class I, Groups A, B, C, or D, as defined in the *National Electrical Code.*
Type 9 enclosures are for use in indoor locations classified in Class II, Groups E, F, or G, as defined in the *National Electrical Code.*

Type of Enclosure	Type 1 Type 5	Type 2	Type 3 Type 3R Type 3S	Type 4	Type 6	Type 12 Type12K Type 13
YS & YS-A	✔	✔	✔	✔		✔
YL & YL-A	✔	✔	✔	✔		✔
YF & YF-A	✔	✔	✔	✔	✔	✔
YW & YW-A	✔	✔	✔	✔		✔
YU	✔	✔	✔			✔
YR	✔	✔	✔	✔		✔
YT	✔	✔				
YC	✔	✔				
YW-T & YW-T-A	✔	✔	✔	✔		✔
YCW & YCW-A	✔	✔	✔	✔		✔
YPW & YPW-A	✔	✔	✔	✔		✔
YBW & YBW-A	✔	✔	✔	✔		✔

Instructions for Ordering Boxes

The following information should be given on all box orders:

Catalog Number and Inside Dimensions (L x W x D) should be specified.

Sketch showing size and location of conduit entrances should be furnished similar to Drilling Template, Fig. 2, page UA6. Tables below give recommended spacing between conduits and minimum distance from corner and back of box. When spacings are not specified, they will be located at our discretion.

Type of Conduit Entrances (see Fig. 1, below) should be specified as follows:
1 Slip-Hole (conduit clearance hole).
2 Drilled and Tapped hole (D&T).
3 Bossed, Drilled and Tapped hole to provide greater thread engagement (D&T with boss).
4 Boss only (for Drilling and Tapping in field). Specify conduit size.

Mounting Lugs (See Fig. 1 below) must be specified if required. Two lugs on each long side spaced and drilled to our standards will be furnished. (Mounting Lugs are optional on all boxes.)

Mounting Buttons (see Fig. 1 below) for mounting equipment off the back of the box can be furnished located on standard centers and blind D & T for ¼" - 20 screws. If special mounting button arrangement is required furnish a sketch showing layout including the size of the mounting screws.

Covers other than standard, must be specified if required.

Gaskets other than standard must be specified if required.

Conduit Entrances:

Slip Holes: These are clearance holes for conduit. No threads are provided. Conduits are usually fastened in slip holes by means of locknuts and bushings. *STANDARD LOCKNUT SPACINGS MUST BE ALLOWED BETWEEN THE CONDUITS.* See Table on Page UA6.

Drilled & Tapped Holes are threaded holes provided in the enclosure wall into which the conduit is screwed. To meet UL requirements, they must conform to the following:

1* Enclosures for use in Non-hazardous Locations must have a wall thickness of not less than ¼" at the tapped holes for the conduit and there shall be not less than 3½ threads in the metal.

*Compare the wall thickness shown in the listings of these enclosures with the chart below to determine the number of threads which the box wall will provide for the various conduit sizes. If more threads are required, please specify the number of threads required when ordering a Bossed, Drilled and Tapped hole.

Conduit Size	Number of Threads per Inch	Wall Thickness Required Inches 5 Threads	Wall Thickness Required Inches 3½ Threads
⅜"	18	9/32	1/32**
½" to ¾"	14	⅜	¼
1" to 2"	11½	7/16	5/16
2½" to 6"	8	⅝	7/16

**¼" minimum wall thickness must be provided

Bossed, Drilled & Tapped Holes are holes threaded thru the box wall and a boss (or pad) which has been added at the location of the conduit entrance to provide added wall thickness for additional length of thread.

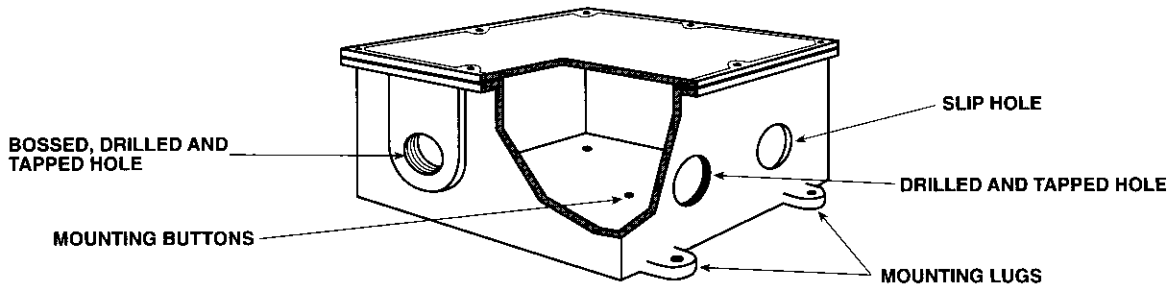


Fig. 1

Instructions For Ordering Boxes

Drilling Template

View looking into box - sides laid down

Dimensions are always understood to be Inside Measurements unless otherwise specified

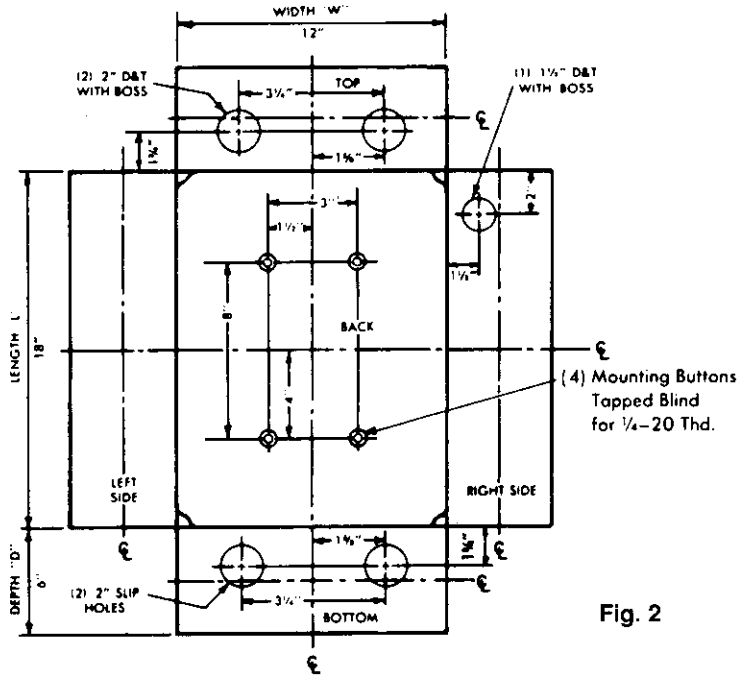


Fig. 2

Recommended Spacing and Location of Conduits

(Allows for bushing and locknut clearance)

Minimum Spacing of Conduit From Sides and Back

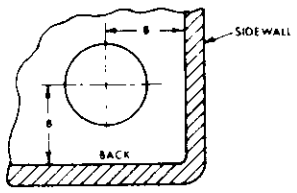
Size of Conduit	Minimum Space Between Centers of Conduits* (inches)											
	6	5	4	3½	3	2½	2	1½	1¼	1	¾	½
½	5	4⅜	3⅝	3⅜	3	2⅝	2⅜	2	1⅞	1¾	1⅝	1½
¾	5⅛	4½	3¾	3½	3⅛	2¾	2½	2⅛	2	1⅞	1¾	
1	5¼	4⅝	4	3⅝	3¼	3	2⅝	2⅜	2¼	2		
1¼	5½	4⅞	4⅛	3⅞	3½	3⅛	2⅞	2½	2⅜			
1½	5⅝	5	4¼	4	3⅝	3¼	3	2⅝				
2	6	5⅜	4⅝	4¼	37/8	3⅝	3¼					
2½	6¼	5⅝	4⅞	4⅝	4¼	3⅞						
3	6⅝	6	5⅜	5	4⅝							
3½	7	6¼	5⅝	5¼								
4	7¼	6⅝	5⅞									
5	8	7¼										
6	8⅝											

All boxes of the Type YS, YS-A, YL, YL-A, YC, YW, YW-A, and YT have a post in each corner and allowance must be made for them, when conduit entrances are to be located close to a corner. Dimension "A" in the table above is the minimum distance allowable from the sidewall of these boxes to the centerline of the conduit entrance, which provides the proper clearance between a locknut and the post. The "B" dimension will provide the proper clearance between a locknut or bushing and the sidewall of all other types of boxes and between a locknut or bushing and the backs of all boxes, including Types YS, YS-A, YL, YL-A, YC, YW, YW-A"and YT.

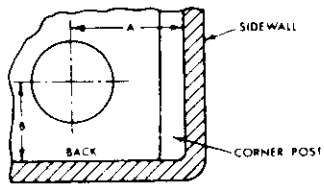
Conduit Size	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	5"	6"
Dimension - "A"	1¼"	1⅜"	1⅝"	1⅞"	2"	2⅜"	2⅝"	3"	3¼"	3⅜"	4¼"	4⅞"
Dimension - "B"†	1"	1"	1⅛"	1⅜"	1½"	1¾"	2⅛"	2½"	2⅞"	3⅛"	3¾"	4⅜"

*If Conduit Fittings are used additional spacing between conduits will be required. Determine spacings based on fittings being used.

†If Explosion-roof seals or unions are being used, additional space for clearance may be required. Check dimensions of fittings being used. Refer to Page V98 for further information.



Types YF, YF-A, YU, YU-A



Types YS, YS-A, YL, YL-A, YW, YW-A, YC, YT

Cast Iron Boxes & Cast Aluminum Boxes

Additional Cost Items

The table below shows the additional cost items available on the different types of enclosures shown in this catalog. The cost of these items are shown in the tables on the adjacent page and when not furnished as standard equipment the cost must be added to the base price of the box.

Special Equipment Consult Factory for Prices and Availability

Box Assemblies:
Our manufacturing and engineering facilities are available to help solve your special problems involving combinations of boxes and other equipment such as barriers, receptacles, cable seals, indicating lights, transformers, fuses, relays, terminal blocks, etc. Boxes incorporating variations of standard construction, special sizes and boxes of cast bronze can also be furnished. Complete data regarding quantities and specifications will be required for quotation of special boxes. Please refer your requirements to our engineering department for their recommendations.

Special Covers of plain or checkered aluminum, plain brass plate and plain or checkered bronze can be furnished as well as steel checkered plate covers.

Special Gaskets to meet specific environmental or temperature requirements can be furnished. Some of the materials frequently specified are: Hypalon, vellumoid, Nitrile and Silicon Rubber.

Special Hardware such as tamper proof screws, silicon bronze screws or hex head screws are available.

Special Coatings such as various types of paints or plastic coatings can be applied. Information regarding type of coating, thickness and color required must be specified.

Lettering on Covers can be furnished. These are usually raised cast-on letters and can be applied to the cover of any type box.

Submersibility Tests can be made on our Types YF within the limitations shown on Pages UA16 listing these enclosures.

Certifications can be furnished if specific requirements are provided at time of order.

ITEM Catalog Designation	TYPE OF ENCLOSURE														
	YS YS-A	YL YL-A	YF YF-A	YW YW-A	YU	YR	YT	Y58E	YC	YNY	YW-T YW-T-A	1950	YCW YCW-A	YPW YPW-A	YBW YBW-A
Slip Holes (SH)	✔	✔	✔	✔	✔	✔	✔	NA	✔	NA	✔	NA	NA	NA	NA
D & T Holes (DT) & (DTE)	✔	✔	✔	✔	✔	✔	✔	NA	✔	NA	✔	✔	NA	NA	NA
Bosses Only (BWH)	✔	✔	✔	✔	✔	✔	✔	NA	✔	NA	✔	✔	NA	NA	NA
D & T/Boss (BDT)	✔	✔	✔	✔	✔	✔	✔	NA	✔	NA	✔	✔	S	S	S
Mtg. Lugs (ML)	✔	✔	✔	✔	✔	✔	✔	NA	✔	NA	S	S	NA	NA	NA
Mtg. Buttons (MBT)	✔	✔	✔	✔	✔	✔	✔	NA	✔	NA	NA	NA	NA	NA	NA
Mtg. Plates (YM)	✔	✔	✔	✔	✔	✔	✔	NA	✔	NA	NA	NA	NA	NA	NA
Hinges (HNG)	NA	NA	NA	S	✔	NA	NA	NA	S	NA	S	NA	NA	NA	NA
Drain & Breather (DB)	✔	✔	✔	✔	✔	NA	NA	NA	NA	NA	✔	✔	✔	✔	✔
Hasp (HSP)	NA	NA	NA	✔	✔	NA	NA	NA	NA	NA	✔	NA	NA	NA	NA

✔Available as required - at additional charge.
S - Furnished as standard equipment - at no additional charge
NA - Not permitted on this type of enclosure by NEMA and Underwriters Laboratories, Inc. standards and specifications, or basic construction of box will not allow or require this item.

Cast Iron Boxes & Cast Aluminum Boxes

Additional Cost Items

Table A

Applies to: Types YS, YL, YF, YW-T, YT, YC, YU, YR, YS-A, YL-A; YF-A, YW-A

Conduit Size (Inches)	Drilling Only Slip Hole Catalog Number	Drilling & Tapping No Boss Catalog Number	Boss Only 5 Threads w/o Hole Catalog Number	Boss for 5 Threads and Tapping Catalog Number
⅜	SH-38	DT-38	BWH-38	BDT-38
½	SH-50	DT-50	BWH-50	BDT-50
¾	SH-75	DT-75	BWH-75	BDT-75
1	SH-100	DT-100	BWH-100	BDT-100
1¼	SH-125	DT-125	BWH-125	BDT-125
1½	SH-150	DT-150	BWH-150	BDT-150
2	SH-200	DT-200	BWH-200	BDT-200
2½	SH-250	DT-250	BWH-250	BDT-250
3	SH-300	DT-300	BWH-300	BDT-300
3½	SH-350	DT-350	BWH-350	BDT-350
4	SH-400	DT-400	BWH-400	BDT-400
4½	SH-450	DT-450	BWH-450	BDT-450
5	SH-500	DT-500	BWH-500	BDT-500
6	SH-600	DT-600	BWH-600	BDT-600

Hinges

Type	Box Size	Catalog Number	Number of Hinges Per Set
Stainless Steel Butt Type For YU Boxes	Up to 12" x 12"	HNG-22S	2
	Up to 18" x 18"	HNG -23SS	2
	Larger than 18" x 18"	HNG -33SS	3

Hasps Hot dip galvanized steel lock not included

Box Size	Catalog Number
Up to 12" x 12"	HSP13SG
Larger than 12" x 12"	HSP15SG

Mounting Lugs with Bolt Holes

Max. Box Size	No. of Lugs	Number
Sizes up to 6"L x 4"W	2	2ML0604
	4	4ML0604
Sizes 6"L x 6"W Up to 12"L x 4"W	2	2ML1204
	4	4ML1204
Sizes 12"L x 6"W Up to 18"L x 16"W	2	2ML1816
	4	4ML1816
Sizes 18"L x 18"W and larger	4	4ML3636

Mounting lugs are standard equipment on Type YWT, YW-T-A, and Type 1950 at no additional charge.

Combination Drain & Breather Fittings D&T and installation included

Size (Inches)	Catalog Number
⅜"	MDB38
½"	MDB 50

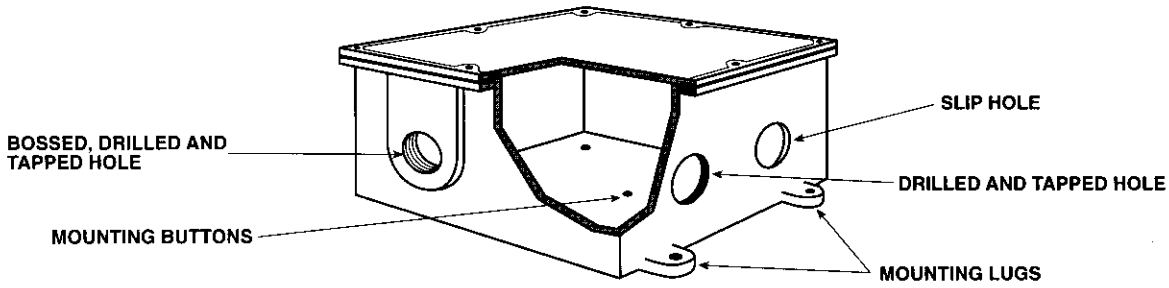
Interior Mounting Buttons Standard tapped blind for ¼" - 20 thread

Quantity Per Box	Catalog Number
1	1MBT
2	2MBT
3	3MBT
4	4MBT

Specify if other than ¼"-20 thread required.

Grounding Kits

Catalog Number	Wire Capacity Al-Cu Tinned Copper
GK-04	#14-4 AWG
GK-10	8-1/0 AWG
GK-25	6 AWG-250Mcm



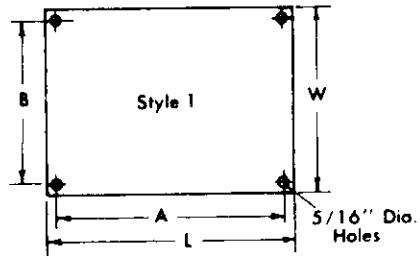
Mounting Plates

For Cast Iron & Cast Aluminum Boxes

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 1/8" thick hot dip galvanized material. Aluminum plates are 1/8" thick material up to and including 12" x 12" size. All larger sizes are constructed of 3/16" thick aluminum plate.

Select mounting plates based on inside length and width of box. Order as a separate item immediately following the Catalog Number of the box as follows:
Example: YS-080804 YM-0808-2

THE CATALOG NUMBER SHOWN IN THE TABLE BELOW INCLUDEs THE MOUNTING BUTTONS AND THE COST OF MOUNTING THE PLATE IN THE BOX.



Inside Length & Width of Junction Box in Inches	Catalog Number - Steel Plates For use in Types YF, YF-A YE, YE-A YG, YG-A & YR Junction Boxes	Catalog Number - Steel Plates For use in Types YS, YS-A YL, YL-A YW & YW-A Junction Boxes	Catalog Number - Aluminum Plates For use in Types YF, YF-A YE-YE-A YG, YG-A & YR Junction Boxes	Catalog Number - Aluminum Plates For use in Types YS, YS-A YL, YL-A YW & YW-A Junction Boxes	Style	Dimension in Inches L	W	A	B
8 x 8	YM-0808-1	YM-0808-2	YM-0808-1A	YM-0808-2A	1	6¾ 6	6¾ 6	6 5¼	6 5¼
10 x 8	YM-1008-1	YM-1008-2	YM-1008-1A	YM-1008-2A	1	8¾ 8	6¾ 6	8 7¼	8 5¼
10 x 10	YM-1010-1	YM-1010-2	YM-1010-1A	YM-1010-2A	1	8¾ 8	8¾ 8	8 7¼	8 7¼
12 x 8	YM-1208-1	YM-1208-2	YM-1208-1A	YM-1208-2A	1	10¾ 10	6¾ 6	10 9¼	6 5¼
12 x 10	YM-1210-1	YM-1210-2	YM1210-1A	YM1210-2A	1	10¾ 10	8¾ 8	10 9¼	8 5¼
12 x 12	YM-1212-1	YM-1212-2	YM-1212-1A	YM-1212-2A	1	10¾ 10	10¾ 10	10 9¼	10 9¼
14 x 8	YM-1408-1	YM-1408-2	YM-1408-1A	YM-1408-2A	1	12¾ 12	6¾ 6	12 11¼	6 5¼
14 x 14	YM-1414-1	YM-1414-2	YM-1414-1A	YM-1414-2A	1	12¾ 12	12¾ 12	12 11¼	12 11¼
16 x 8	YM-1608-1	YM-1608-2	YM-1608-1A	YM-1608-2A	1	14¾ 12	6¾ 6	14 11¼	6 5¼
16 x 12	YM-1612-1	YM-1612-2	YM-1612-1A	YM-1612-2A	1	14¾ 14	10¾ 10	14 13¼	10 9¼
16 x 16	YM-1616-1	YM-1616-2	YM-1616-1A	YM-1616-2A	1	14¾ 14	14¾ 14	14 13¼	14 13¼
18 x 8	YM-1808-1	YM-1808-2	YM-1808-1A	YM-1808-2A	1	16¾ 16	6¾ 6	16 15¼	6 5¼
18 x 10	YM-1810-1	YM-1810-2	YM-1810-1A	YM-1818-2A	1	16¾ 16	8¾ 8	16 15¼	8 7¼
18 x 12	YM-1812-1	YM-1812-2	YM-1812-1A	YM-1812-2A	1	16¾ 16	10¾ 10	16 15¼	10 9¼
18 x 14	YM-1814-1	YM-1814-2	YM-1814-1A	YM-1814-2A	1	16¾ 16	12¾ 12	16 15¼	12 11¼
18 x 16	--	YM-1816-2	--	YM-1816-2A	1	-- 16	-- 14	-- 15¼	-- 13¼
18 x 18	YM-1818-1	YM-1818-2	YM-1818-1A	YM-1818-2A	1	16¾ 16	16¾ 16	16 15¼	16 15¼
20 x 10	YM-2010-1	YM-2020-2	YM-2010-1A	YM-2020-2A	1	18¾ 18	8¾ 8	18 17¼	8 7¼

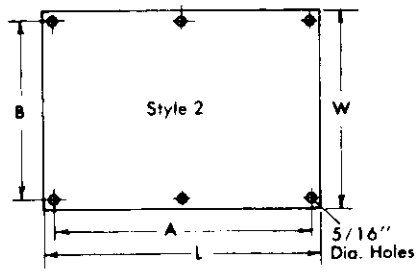
Mounting Plates

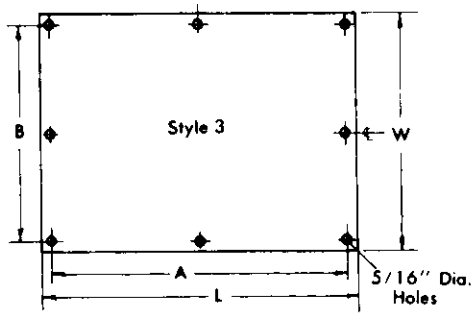
For Cast Iron & Cast Aluminum Boxes

Mounting plates are used for mounting equipment up off the back of an enclosure. Steel Plates are all 1/8" thick hot dip galvanized material. Aluminum plates are 1/8" thick material up to and including 12" x 12" size. All larger sizes are constructed of 3/16" thick aluminum plate.

Select mounting plates based on inside length and width of box. Order as a separate item immediately following the Catalog Number of the box as follows:
Example: YS-080804 YM-0808-2

THE CATALOG NUMBER SHOWN IN THE TABLE BELOW INCLUDES THE MOUNTING BUTTONS AND THE COST OF MOUNTING THE PLATE IN THE BOX.





Inside Length & Width of Junction Box in Inches	Catalog Number - Steel Plates For use in Types YF, YF-A YE, YE-A YG, YG-A & YR Junction Boxes	For use in Types YS, YS-a YL, YL-A YW & YW-A Junction Boxes	Catalog Number - Aluminum Plates For use in Types YF, YF-A YE-YE-A YG, YG-A & YR Junction Boxes	For use in Types YS, YS-A YL, YL-A YW & YW-A Junction Boxes	Style	Dimension in Inches L	W	A	B
24 x 12	YM-2412-1	YM-2412-1	YM-2412-1A	YM-2412-1A	2	21¾	9¾	21	9
24 x 18	YM-2418-1	YM-2418-1	YM-2418-1A	YM-2418-1A	2	21¾	15¾	21	15
24 x 24	YM-2424-1	YM-2424-1	YM-2424-1A	YM-2424-1A	3	21¾	21¾	21	21
28 x 12	YM-2812-1	YM-2812-1	YM-2812-1A	YM-2812-1A	2	25¾	9¾	25	9
30 x 12	YM-3012-1	YM-3012-1	YM-3012-1A	YM-3012-1A	2	27¾	9¾	27	9
30 x 18	YM-3018-1	YM-3018-1	YM-3018-1A	YM-3018-1A	2	27¾	15¾	27	15
30 x 24	YM-3024-1	YM-3024-1	YM-3024-1A	YM-3024-1A	3	27¾	21¾	27	21
36 x 12	YM-3612-1	YM-3612-1	YM-3612-1A	YM-3612-1A	2	33¾	9¾	33	9
36 x 18	YM-3618-1	YM-3618-1	YM-3618-1A	YM-3618-1A	2	33¾	15¾	33	15
36 x 24	YM-3624-1	YM-3624-1	YM-3624-1A	YM-3624-1A	3	33¾	21¾	33	21
36 x 30	YM-3630-1	YM-3630-1	YM-3630-1A	YM-3630-1A	3	33¾	27¾	33	27
36 x 36	YM-3636-1	YM-3636-1	YM-3636-1A	YM-3636-1A	3	33¾	33¾	33	33

Cast Junction Boxes Delivery Schedules

O-Z/Gedney has available for prompt delivery a selection of Cast Junction Boxes representing the most commonly specified styles and sizes.

Reasonable quantities of these Cast Junction Boxes that are listed as *Express Shipment Program* throughout this catalog can usually be shipped within *3 to 5 working days* after receipt of order at the Farmington, CT office.

Standard conduit entrances, exterior mounting lugs, mounting buttons, mounting pans or drain and breather fittings can also be provided.

Standard Items Available on Order

All the other sizes and special types of Cast Junction Boxes not included in the *Express Shipment Program* are still available on order. However, deliveries of these items are dependent upon the quantity of units ordered and the complexity of additional material specified.

Delivery schedules for reasonable quantities of these larger or special type units will run approximately 4 to 8 weeks after receipt of your order at the Farmington, CT office.

On orders for large quantities of Cast Junction Boxes, partial shipments are recommended since a steady supply of material to the job site is generally of greater value than a single long-term shipment.

Contact your O-Z/Gedney representative for specific pricing and delivery of your special requirements.

Unflanged Junction or Pull Boxes

Cast Iron Box For Surface Mounting

Type YS

Dust Tight - Raintight - Watertight (NEMA 4)

Use:
These boxes are general purpose enclosures suitable for use outdoors.

Standard Construction:
- Cast iron box and cover
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws

Third Party Certification:
UL Listed: Type 4 Raintight
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A, 50
NEMA 250-1979 Type 4

For raintight rating external mounting means must be provided.
Specify mounting lugs.

Note:
- Type YS boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner. See "Recommended location and spacing of conduits on Page UA6.
- The listing of all Type YS boxes larger than 18" x 18" are now included with the Type YL boxes shown on Pages UA14 and UA15.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Iron

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YS-040402	5/32	4 x 4 x 2
YS-040403	3/16	4 x 4 x 3
YS-040404	3/16	4 x 4 x 4
YS-050503	3/16	5 x 5 x 3
YS-050504	3/16	5 x 5 x 4
YS-060403	3/16	6 x 4 x 3
YS-060404	3/16	6 x 4 x 4
YS-060602	3/16	6 x 6 x 2
YS-060603	3/16	6 x 6 x 3
YS-060604	3/16	6 x 6 x 4
YS-060605	7/32	6 x 6 x 5
YS-060606	1/4	6 x 6 x 6
YS-060610	5/32	6 x 6 x 9½
YS-070503	3/16	7 x 5 x 3
YS-080403	3/16	8 x 4 x 3
YS-080404	7/32	8 x 4 x 4
YS-080603	3/16	8 x 6 x 3
YS-080604	7/32	8 x 6 x 4
YS-080605	7/32	8 x 6 x 5
YS-080606	1/4	8 x 6 x 6
YS-080803	3/16	8 x 8 x 3
YS-080804	7/32	8 x 8 x 4
YS-080805	7/32	8 x 8 x 5
YS-080806	1/4	8 x 8 x 6
YS-080808	5/16	8 x 8 x 8
YS-090603	3/16	9 x 6 x 3
YS-090604	7/32	9 x 6 x 4
YS-100403	3/16	10 x 4 x 3
YS-100406	1/4	10 x 4 x 6
YS-100504	7/32	10 x 5 x 4
YS-100604	7/32	10 x 6 x 4
YS-100605	1/4	10 x 6 x 5
YS-100606	5/32	10 x 6 x 6
YS-100804	7/32	10 x 8 x 4
YS-100805	1/4	10 x 8 x 5
YS-100806	5/32	10 x 8 x 6
YS-100808	5/16	10 x 8 x 8
YS-100810	11/32	10 x 8 x 9½
YS-101003	3/16	10 x 10 x 3
YS-101004	7/32	10 x 10 x 4
YS-101005	1/4	10 x 10 x 5
YS-101006	1/4	10 x 10 x 6
YS-120404	7/32	12 x 4 x 4
YS-120406	5/32	12 x 4 x 6
YS-120603	3/16	12 x 6 x 3
YS-120604	7/32	12 x 6 x 4
YS-120606	5/32	12 x 6 x 6
YS-120804	7/32	12 x 8 x 4
YS-120806	5/32	12 x 8 x 6
YS-120808	5/16	12 x 8 x 8
YS-121004	1/4	12 x 10 x 4
YS-121005	1/4	12 x 10 x 5
YS-121006	11/32	12 x 10 x 6
YS-121008	5/16	12 x 10 x 8
YS-121203	3/16	12 x 12 x 3
YS-121204	1/4	12 x 12 x 4
YS-121206	5/32	12 x 12 x 6
YS-121208	5/16	12 x 12 x 8
YS-121210	11/32	12 x 12 x 10
YS-121212	3/8	12 x 12 x 12
YS-140804	1/4	14 x 8 x 4
YS-140806	5/32	14 x 8 x 6
YS-141006	5/32	14 x 10 x 6
YS-141008	5/16	14 x 10 x 8

ESP EXPRESS SHIPMENT PROGRAM

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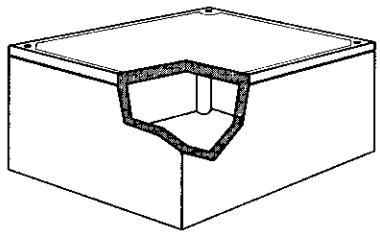

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YS-141406	5/32	14 x 14 x 6
YS-141408	5/16	14 x 14 x 8
YS-141410	11/32	14 x 14 x 10
YS-150604	1/4	15 x 6 x 4
YS-150808	5/16	15 x 8 x 8
YS-150904	1/4	15 x 9 x 4
YS-150906	5/32	15 x 9 x 6
YS-151006	5/32	15 x 10 x 6
YS-160404	7/32	16 x 4 x 4
YS-161006	5/32	16 x 10 x 6
YS-161008	5/16	16 x 10 x 8
YS-161204	1/4	16 x 12 x 4
YS-161206	5/32	16 x 12 x 6
YS-161208	5/16	16 x 12 x 8
YS-161606	5/32	16 x 16 x 6
YS-161612	11/32	16 x 16 x 12
YS-161616	11/32	16 x 16 x 16
YS-180604	1/4	18 x 6 x 4
YS-180606	5/32	18 x 6 x 6
YS-180806	5/32	18 x 8 x 6
YS-180808	5/16	18 x 8 x 8
YS-181204	1/4	18 x 12 x 4
YS-181206	5/32	18 x 12 x 6
YS-181208	5/16	18 x 12 x 8
YS-181210	3/8	18 x 12 x 10
YS-181212	7/16	18 x 12 x 12
YS-181406	5/32	18 x 14 x 6
YS-181408	5/16	18 x 14 x 8
YS-181606	5/32	18 x 16 x 6
YS-181608	5/16	18 x 16 x 8
YS-181804	5/16	18 x 18 x 4
YS-181806	5/16	18 x 18 x 6
YS-181808	11/32	18 x 18 x 8
YS-181810	3/8	18 x 18 x 10
YS-181812	7/16	18 x 18 x 12
YS-181818	7/16	18 x 18 x 18

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
EXPRESS SHIP PROGRAM		
✔YS-040402	5/32	4 x 4 x 2
✔YS-040403	3/16	4 x 4 x 3
✔YS-040404	3/16	4 x 4 x 4
✔YS-050503	3/16	5 x 5 x 3
✔YS-050504	3/16	5 x 5 x 4
✔YS-060403	3/16	6 x 4 x 3
✔YS-060404	3/16	6 x 4 x 4
✔YS-060603	3/16	6 x 4 x 3
✔YS-060604	3/16	6 x 6 x 4
✔YS-060606	1/4	6 x 6 x 6
✔YS-080604	7/32	8 x 6 x 4
✔YS-080606	1/4	8 x 6 x 6
✔YS-080804	7/32	8 x 8 x 4
✔YS-080806	1/4	8 x 8 x 6
✔YS-080808	5/16	8 x 8 x 8
✔YS-100804	7/32	10 x 8 x 4
✔YS-100806	5/32	10 x 8 x 6
✔YS-101006	1/4	10 x 10 x 6
✔YS-120604	7/32	12 x 6 x 4
✔YS-120606	5/32	12 x 6 x 6
✔YS-120806	5/32	12 x 8 x 6
✔YS-121204	1/4	12 x 12 x 4
✔YS-121206	5/32	12 x 12 x 6
✔YS-121208	5/16	12 x 12 x 8
✔YS-161208	5/16	16 x 12 x 8
✔YS-181206	5/32	18 x 12 x 6
✔YS-181806	5/16	18 x 18 x 6
✔YS-181812	7/16	18 x 18 x 12

*Measured 2" up from back of box.

Unflanged Junction or Pull Boxes

Cast Aluminum Box For Surface Mounting

Type YS-A

Dust Tight - Raintight - Watertight (NEMA 4)

Use:
These boxes are general purpose enclosures suitable for use outdoors.

Standard Construction:
- Cast aluminum box and cover
- Neoprene gasket
- Stainless steel cover screws

Third Party Certification:
UL Listed Type 4 Raintight
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A, 50
NEMA 250-1979 Type 4

For raintight rating external mounting means must be provided.
Specify mounting lugs.

Note:
- Type YS-A boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner. See "Recommended Location and Spacing of Conduits on Page UA6.
- The listing of all Type YS boxes larger than 18" x 18" are now included with the Type YL boxes shown on pages UA14, UA15.
- The overlapping cover design is the standard construction for all the Type YL boxes and provides greater rigidity, strength and dimensional stability to the unit for the larger sizes, at the same price as the deleted Type YS sizes.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Aluminum

Catalog Number*	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YS-040402A	5/32	4 x 4 x 2
YS-040403A	3/16	4 x 4 x 3
YS-040404A	3/16	4 x 4 x 4
YS-050503A	3/16	5 x 5 x 3
YS-050504A	3/16	5 x 5 x 4
YS-060403A	3/16	6 x 4 x 3
YS-060404A	3/16	6 x 4 x 4
YS-060602A	3/16	6 x 6 x 2
YS-060603A	3/16	6 x 6 x 3
YS-060604A	3/16	6 x 6 x 4
YS-060605A	7/32	6 x 6 x 5
YS-060606A	1/4	6 x 6 x 6
YS-060610A	5/32	6 x 6 x 9½
YS-070503A	3/16	7 x 5 x 3
YS-080403A	3/16	8 x 4 x 3
YS-080404A	7/32	8 x 4 x 4
YS-080603A	3/16	8 x 6 x 3
YS-080604A	7/32	8 x 6 x 4
YS-080605A	7/32	8 x 6 x 5
YS-080606A	1/4	8 x 6 x 6
YS-080803A	3/16	8 x 8 x 3
YS-080804A	7/32	8 x 8 x 4
YS-080805A	7/32	8 x 8 x 5
YS-080806A	1/4	8 x 8 x 6
YS-080808A	5/16	8 x 8 x 8
YS-090603A	3/16	9 x 6 x 3
YS-090604A	7/32	9 x 6 x 4
YS-100403A	3/16	10 x 4 x 3
YS-100406A	1/4	10 x 4 x 6
YS-100504A	7/32	10 x 5 x 4
YS-100604A	7/32	10 x 6 x 4
YS-100605A	1/4	10 x 6 x 5
YS-100606A	5/32	10 x 6 x 6
YS-100804A	7/32	10 x 8 x 4
YS-100805A	1/4	10 x 8 x 5
YS-100806A	5/32	10 x 8 x 6
YS-100808A	5/16	10 x 8 x 8
YS-100810A	11/32	10 x 8 x 9½
YS-101003A	3/16	10 x 10 x 3
YS-101004A	7/32	10 x 10 x 4
YS-101005A	1/4	10 x 10 x 5
YS-101006A	1/4	10 x 10 x 6
YS-120404A	7/32	12 x 4 x 4
YS-120406A	5/32	12 x 4 x 6
YS-120603A	3/16	12 x 6 x 3
YS-120604A	7/32	12 x 6 x 4
YS-120606A	5/32	12 x 6 x 6
YS-120804A	7/32	12 x 8 x 4
YS-120806A	5/32	12 x 8 x 6
YS-120808A	5/16	12 x 8 x 8
YS-121004A	1/4	12 x 10 x 4
YS-121005A	1/4	12 x 10 x 5
YS-121006A	11/32	12 x 10 x 6
YS-121008A	5/16	12 x 10 x 8
YS-121203A	3/16	12 x 12 x 3
YS-121204A	1/4	12 x 12 x 4
YS-121206A	5/32	12 x 12 x 6
YS-121208A	5/16	12 x 12 x 8
YS-121210A	11/32	12 x 12 x 10
YS-121212A	3/8	12 x 12 x 12
YS-140804A	1/4	14 x 8 x 4
YS-140806A	5/32	14 x 8 x 6
YS-141006A	5/32	14 x 10 x 6
YS-141008A	5/16	14 x 10 x 8

ESP EXPRESS SHIPMENT PROGRAM

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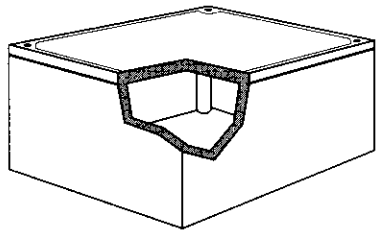

Catalog Number*	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YS-141406A	5/32	14 x 14 x 6
YS-141408A	5/16	14 x 14 x 8
YS-141410A	11/32	14 x 14 x 10
YS-150604A	1/4	15 x 6 x 4
YS-150808A	5/16	15 x 8 x 8
YS-150904A	1/4	15 x 9 x 4
YS-150906A	5/32	15 x 9 x 6
YS-151006A	5/32	15 x 10 x 6
YS-160404A	7/32	16 x 4 x 4
YS-161006A	5/32	16 x 10 x 6
YS-161008A	5/16	16 x 10 x 8
YS-161204A	1/4	16 x 12 x 4
YS-161206A	5/32	16 x 12 x 6
YS-161208A	5/16	16 x 12 x 8
YS-161606A	5/32	16 x 16 x 6
YS-161612A	11/32	16 x 16 x 12
YS-161616A	11/32	16 x 16 x 16
YS-180604A	1/4	18 x 6 x 4
YS-180606A	5/32	18 x 6 x 6
YS-180806A	5/32	18 x 8 x 6
YS-180808A	5/16	18 x 8 x 8
YS-181204A	1/4	18 x 12 x 4
YS-181206A	5/32	18 x 12 x 6
YS-181208A	5/16	18 x 12 x 8
YS-181210A	3/8	18 x 12 x 10
YS-181212A	7/16	18 x 12 x 12
YS-181406A	5/32	18 x 14 x 6
YS-181408A	5/16	18 x 14 x 8
YS-181606A	5/32	18 x 16 x 6
YS-181608A	5/16	18 x 16 x 8
YS-181806A	5/16	18 x 18 x 6
YS-181808A	11/32	18 x 18 x 8
YS-181810A	3/8	18 x 18 x 10
YS-181812A	7/16	18 x 18 x 12

Catalog Number*	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
EXPRESS SHIP PROGRAM		
✔YS-040404A	3/16	4 x 4 x 4
✔YS-060604A	3/16	6 x 6 x 4
✔YS-080804A	7/32	8 x 8 x 4
✔YS-080806A	1/4	8 x 8 x 6
✔YS-121206A	5/32	12 x 12 x 6
✔YS-121208A	5/16	12 x 12 x 8

*Measured 2" up from back of box.

Overlapping Cover Boxes

Cast Iron Box & Cover

Type YL

Watertight - Raintight

Use:
These overlapping cover boxes are listed by Underwriters Laboratories, Inc. as Type 4. They are suitable for use outdoors, or where they would be subjected to rain, dripping or splashing of water.

Standard Construction:
- Cast Iron box and cover
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws

Third Party Certification:
UL Listed Type 4 Raintight
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A, 50
NEMA 250-1979 Type 4

For watertight and raintight rating external mounting means must be provided. Specify mounting lugs.

Note:
Type YL boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner. See "Recommended Location and Spacing of Conduits on Page UA6.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Iron

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YL-040403	3/16	4 x 4 x 3
YL-040404	3/16	4 x 4 x 4
YL-050503	3/16	5 x 5 x 3
YL-050504	3/16	5 x 5 x 4
YL-060403	3/16	6 x 4 x 3
YL-060404	3/16	6 x 4 x 4
YL-060603	3/16	6 x 6 x 3
YL-060604	3/16	6 x 6 x 4
YL-060605	7/32	6 x 6 x 5
YL-060606	1/4	6 x 6 x 6
YL-060610	9/32	6 x 6 x 9½
YL-080403	3/16	8 x 4 x 3
YL-080404	7/32	8 x 4 x 4
YL-080603	3/16	8 x 6 x 3
YL-080604	7/32	8 x 6 x 4
YL-080605	7/32	8 x 6 x 5
YL-080606	1/4	8 x 6 x 6
YL-080803	3/16	8 x 8 x 3
YL-080804	7/32	8 x 8 x 4
YL-080805	7/32	8 x 8 x 5
YL-080806	1/4	8 x 8 x 6
YL-080808	5/16	8 x 8 x 8
YL-090603	3/16	9 x 6 x 3
YL-090604	7/32	9 x 6 x 4
YL-100604	7/32	10 x 6 x 4
YL-100605	1/4	10 x 6 x 5
YL-100606	9/32	10 x 6 x 6
YL-100804	7/32	10 x 8 x 4
YL-100805	1/4	10 x 8 x 5
YL-100806	9/32	10 x 8 x 6
YL-100808	5/16	10 x 8 x 8
YL-100810	11/32	10 x 8 x 9½
YL-101003	3/16	10 x 10 x 3
YL-101004	7/32	10 x 10 x 4
YL-101005	1/4	10 x 10 x 5
YL-101006	1/4	10 x 10 x 6
YL-120603	3/16	12 x 6 x 3
YL-120604	7/32	12 x 6 x 4
YL-120606	9/32	12 x 6 x 6
YL-120804	7/32	12 x 8 x 4
YL-120806	9/32	12 x 8 x 6
YL-120808	5/16	12 x 8 x 8
YL-121004	1/4	12 x 10 x 4
YL-121005	1/4	12 x 10 x 5
YL-121006	9/32	12 x 10 x 6
YL-121008	5/16	12 x 10 x 8
YL-121203	3/16	12 x 12 x 3
YL-121204	1/4	12 x 12 x 4
YL-121206	9/32	12 x 12 x 6
YL-121208	5/16	12 x 12 x 8
YL-121210	11/32	12 x 12 x 10
YL-121212	3/8	12 x 12 x 12
YL-140804	1/4	14 x 8 x 4
YL-140806	9/32	14 x 8 x 6
YL-141006	9/32	14 x 10 x 6
YL-141008	5/16	14 x 10 x 8
YL-141406	9/32	14 x 14 x 6
YL-141408	5/16	14 x 14 x 8
YL-141410	11/32	14 x 14 x 10
YL-150604	1/4	15 x 6 x 4
YL-150808	5/16	15 x 8 x 8
YL-150904	1/4	15 x 9 x 4
YL-150906	9/32	15 x 9 x 6

ESP EXPRESS SHIPMENT PROGRAM

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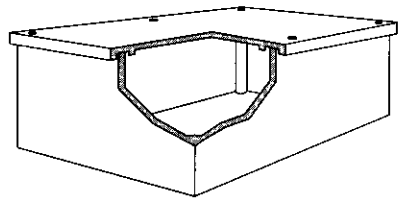


Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YL-151006	9/32	15 x 10 x 6
YL-161006	9/32	16 x 10 x 6
YL-161008	5/16	16 x 10 x 8
YL-161204	1/4	16 x 12 x 4
YL-161206	9/32	16 x 12 x 6
YL-161208	5/16	16 x 12 x 8
YL-161606	9/32	16 x 16 x 6
YL-180604	1/4	18 x 6 x 4
YL-180606	9/32	18 x 6 x 6
YL-180806	9/32	18 x 8 x 6
YL-180808	5/16	18 x 8 x 8
YL-181204	1/4	18 x 12 x 4
YL-181206	9/32	18 x 12 x 6
YL-181208	5/16	18 x 12 x 8
YL-181210	3/8	18 x 12 x 10
YL-181212	7/16	18 x 12 x 12
YL-181406	9/32	18 x 14 x 6
YL-181408	5/16	18 x 14 x 8
YL-181606	9/32	18 x 16 x 6
YL-181608	5/16	18 x 16 x 8
YL-181806	5/16	18 x 18 x 6
YL-181808	11/32	18 x 18 x 8
YL-181810	3/8	18 x 18 x 10
YL-181812	7/16	18 x 18 x 12
YL-201006	9/32	20 x 10 x 6
YL-201008	5/16	20 x 10 x 8
YL-202006	5/16	20 x 20 x 6
YL-240806	9/32	24 x 8 x 6
YL-240808	11/32	24 x 8 x 8
YL-241206	9/32	24 x 12 x 6
YL-241208	5/16	24 x 12 x 8
YL-241212	7/16	24 x 12 x 12
YL-241606	9/32	24 x 16 x 6
YL-241608	11/32	24 x 16 x 8
YL-241806	5/16	24 x 18 x 6
YL-241808	11/32	24 x 18 x 8
YL-241810	3/8	24 x 18 x 10
YL-241812	7/16	24 x 18 x 12
YL-242406	5/16	24 x 24 x 6
YL-242408	11/32	24 x 24 x 8
YL-242410	3/8	24 x 24 x 10
YL-242412	7/16	24 x 24 x 12
YL-281206	5/16	28 x 12 x 6
YL-281208	3/8	28 x 12 x 8
YL-300806	9/32	30 x 8 x 6
YL-300808	11/32	30 x 8 x 8
YL-301808	11/32	30 x 18 x 8
YL-301812	7/16	30 x 18 x 12

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YL-301814	1/2	30 x 18 x 14
YL-302406	11/32	30 x 24 x 6
YL-302408	3/8	30 x 24 x 8
YL-302412	7/16	30 x 24 x 12
YL-360606	9/32	36 x 6 x 6
YL-361208	7/16	36 x 12 x 8
YL-361212	11/32	36 x 12 x 12
YL-361808	7/16	36 x 18 x 8
YL-362408	11/32	36 x 24 x 8
YL-362412	7/16	36 x 24 x 12
YL-363608	3/8	36 x 36 x 8
YL-363612	7/16	36 x 36 x 12

EXPRESS SHIP PROGRAM

✔YL-040403	3/16	4 x 4 x 3
✔YL-040404	3/16	4 x 4 x 4
✔YL-050503	3/16	5 x 5 x 3
✔YL-050504	3/16	5 x 5 x 4
✔YL-060403	3/16	6 x 4 x 3
✔YL-060404	3/16	6 x 4 x 4
✔YL-060603	3/16	6 x 6 x 3
✔YL-060604	3/16	6 x 6 x 4
✔YL-060606	1/4	6 x 6 x 6
✔YL-080604	7/32	8 x 6 x 4
✔YL-080606	1/4	8 x 8 x 6
✔YL-080804	7/32	8 x 8 x 4
✔YL-080806	1/4	8 x 8 x 6
✔YL-080808	5/16	8 x 8 x 8
✔YL-090604	7/32	9 x 6 x 4
✔YL-100804	7/32	10 x 8 x 4
✔YL-100806	9/32	10 x 8 x 6
✔YL-101006	1/4	10 x 10 x 6
✔YL-120604	7/32	12 x 6 x 4
✔YL-120606	9/32	12 x 6 x 6
✔YL-120806	9/32	12 x 8 x 6
✔YL-121204	1/4	12 x 12 x 4
✔YL-121206	9/32	12 x 12 x 6
✔YL-121208	5/16	12 x 12 x 8
✔YL-161208	5/16	16 x 12 x 8
✔YL-181206	9/32	18 x 12 x 6
✔YL-181806	5/16	18 x 18 x 6
✔YL-181812	7/16	18 x 18 x 12
✔YL-242408	11/32	24 x 24 x 8

*Measured 2" up from back of box.

Overlapping Cover Boxes

Cast Aluminum Box & Cover

Type YL-A
Watertight - Raintight

Use:
These overlapping cover boxes are listed by Underwriters Laboratories, Inc. as Type 4. They are suitable for use outdoors, or where they would be subjected to rain, dripping or splashing of water.

Standard Construction:
- Cast aluminum box and cover
- Neoprene gasket
- Stainless steel cover screws

Third Party Certification:
UL Listed Type 4 Raintight
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A, 50
NEMA 250-1979 Type 4

For watertight and raintight rating external mounting means must be provided. Specify mounting lugs.

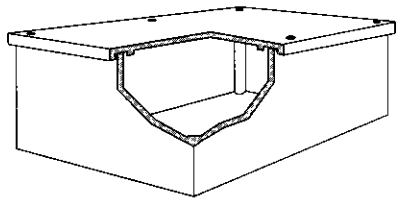
Note:
• Type YL boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner. See "Recommended Location and Spacing of Conduits on Page UA6.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Aluminum

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YL-040403A	3/16	4 x 4 x 3
YL-040404A	3/16	4 x 4 x 4
YL-050503A	3/16	5 x 5 x 3
YL-050504A	3/16	5 x 5 x 4
YL-060403A	3/16	6 x 4 x 3
YL-060404A	3/16	6 x 4 x 4
YL-060603A	3/16	6 x 6 x 3
YL-060604A	3/16	6 x 6 x 4
YL-060605A	7/32	6 x 6 x 5
YL-060606A	1/4	6 x 6 x 6
YL-060610A	5/32	6 x 6 x 9½
YL-070503A	3/16	7 x 5 x 3
YL-080403A	3/16	8 x 4 x 3
YL-080404A	7/32	8 x 4 x 4
YL-080603A	3/16	8 x 6 x 3
YL-080604A	1/32	8 x 6 x 4
YL-080605A	7/32	8 x 6 x 5
YL-080606A	1/4	8 x 6 x 6
YL-080803A	3/16	8 x 8 x 3
YL-080804A	1/32	8 x 8 x 4
YL-080805A	7/32	8 x 8 x 5
YL-080806A	1/4	8 x 8 x 6
YL-080808A	5/16	8 x 8 x 8
YL-090603A	3/16	9 x 6 x 3
YL-090604A	7/32	9 x 6 x 4
YL-100604A	7/32	10 x 6 x 4
YL-100605A	1/4	10 x 6 x 5
YL-100606A	9/32	10 x 6 x 6
YL-100804A	7/32	10 x 8 x 4
YL-100805A	1/4	10 x 8 x 5
YL-100806A	9/32	10 x 8 x 6
YL-100808A	5/16	10 x 8 x 8
YL-100810A	11/32	10 x 8 x 9½
YL-101003A	3/16	10 x 10 x 3
YL-101004A	7/32	10 x 10 x 4
YL-101005A	1/4	10 x 10 x 5
YL-101006A	1/4	10 x 10 x 6
YL-120603A	3/16	12 x 6 x 3
YL-120604A	7/32	12 x 6 x 4
YL-120606A	9/32	12 x 6 x 6
YL-120804A	7/32	12 x 8 x 4
YL-120806A	9/32	12 x 8 x 6
YL-120808A	5/16	12 x 8 x 8
YL-121004A	1/4	12 x 10 x 4
YL-121005A	1/4	12 x 10 x 5
YL-121006A	9/32	12 x 10 x 6
YL-121008A	5/16	12 x 10 x 8
YL-121203A	3/16	12 x 12 x 3
YL-121204A	1/4	12 x 12 x 4
YL-121206A	9/32	12 x 12 x 6
YL-121208A	5/16	12 x 12 x 8
YL-121210A	11/32	12 x 12 x 10
YL-121212A	3/8	12 x 12 x 12
YL-140804A	1/4	14 x 8 x 4
YL-140806A	9/32	14 x 8 x 6
YL-141006A	9/32	14 x 10 x 6
YL-141008A	5/16	14 x 10 x 8
YL-141406A	9/32	14 x 14 x 6
YL-141408A	5/16	14 x 14 x 8
YL-141410A	11/32	14 x 14 x 10

ESP EXPRESS SHIPMENT PROGRAM
✔Denotes ESP Availability



Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YL-150604A	1/4	15 x 6 x 4
YL-150808A	5/16	15 x 8 x 8
YL-150904A	1/4	15 x 9 x 4
YL-150906A	9/32	15 x 9 x 6
YL-151006A	9/32	15 x 10 x 6
YL-161006A	9/32	16 x 10 x 6
YL-161008A	5/16	16 x 10 x 8
YL-161204A	1/4	16 x 12 x 4
YL-161206A	9/32	16 x 12 x 6
YL-161208A	5/16	16 x 12 x 8
YL-161606A	9/32	16 x 16 x 6
YL-180604A	1/4	18 x 6 x 4
YL-180606A	9/32	18 x 6 x 6
YL-180806A	9/32	18 x 8 x 6
YL-180808A	5/16	18 x 8 x 8
YL-181204A	1/4	18 x 12 x 4
YL-181206A	9/32	18 x 12 x 6
YL-181208A	5/16	18 x 12 x 8
YL-181210A	3/8	18 x 12 x 10
YL-181212A	7/16	18 x 12 x 12
YL-181406A	9/32	18 x 14 x 6
YL-181408A	5/16	18 x 14 x 8
YL-181606A	9/32	18 x 16 x 6
YL-181608A	5/16	18 x 16 x 8
YL-181806A	5/16	18 x 18 x 6
YL-181808A	11/32	18 x 18 x 8
YL-181810A	3/8	18 x 18 x 10
YL-181812A	7/16	18 x 18 x 12
YL-201006A	9/32	20 x 10 x 6
YL-201008A	5/16	20 x 10 x 8
YL-202006A	5/16	20 x 20 x 6
YL-240806A	9/32	24 x 8 x 6
YL-240808A	11/32	24 x 8 x 8
YL-241206A	9/32	24 x 12 x 6
YL-241208A	5/16	24 x 12 x 8
YL-241212A	7/16	24 x 12 x 12
YL-241606A	9/32	24 x 16 x 6
YL-241608A	11/32	24 x 16 x 8
YL-241806A	5/16	24 x 18 x 6
YL-241808A	11/32	24 x 18 x 8
YL-241810A	3/8	24 x 18 x 10
YL-241812A	7/16	24 x 18 x 12
YL-242406A	5/16	24 x 24 x 6
YL-242408A	11/32	24 x 24 x 8

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YL-242410A	3/8	24 x 24 x 10
YL-242412A	7/16	24 x 24 x 12
YL-281206A	5/16	28 x 12 x 6
YL-281208A	3/8	28 x 12 x 8
YL-300806A	9/32	30 x 8 x 6
YL-300808A	11/32	30 x 8 x 8
YL-301808A	11/32	30 x 18 x 8
YL-301812A	7/16	30 x 18 x 12
YL-301814A	1/2	30 x 18 x 14
YL-302406A	11/32	30 x 24 x 6
YL-301812A	7/16	30 x 18 x 12
YL-301814A	1/2	30 x 18 x 14
YL-302406A	11/32	30 x 24 x 6
YL-302408A	3/8	30 x 24 x 8
YL-302412A	7/16	30 x 24 x 12
YL-360606A	9/32	36 x 6 x 6
YL-361208A	7/16	36 x 12 x 8
YL-361212A	11/32	36 x 12 x 12
YL-361808A	7/16	36 x 18 x 8
YL-362408A	11/32	36 x 24 x 8
YL-362412A	7/16	36 x 24 x 12
YL-363608A	3/8	36 x 36 x 8
YL-363612A	7/16	36 x 36 x 12
EXPRESS SHIP PROGRAM		
✔YL-040404A	3/16	4 x 4 x 4
✔YL-060604A	3/16	6 x 6 x 4
✔YL-080804A	7/32	8 x 8 x 4
✔YL-080806A	1/4	8 x 8 x 6
✔YL-121206A	9/32	12 x 12 x 6
✔YL-161208A	5/16	16 x 12 x 8

*Measured 2" up from back of box.

Flat Flanged Boxes

Cast Iron Box For Surface Mounting

Type YF

Watertight - Submersible - Raintight

Use:
These boxes have been listed by Underwriters' Laboratories, Inc. as a Type 4 enclosure. They are also suitable for use indoors or outdoors where they would be subjected to splashing water, seepage of water, falling or hose directed water and severe external condensation. These boxes will withstand occasional submersion under a 6 foot head of water for 30 minutes (NEMA 6 requirements).

Standard Construction:
- Cast iron box and cover
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws
- Flange ground before galvanizing

Third Party Certification:
UL Listed Type 4
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A , 50
NEMA 4, 6, 6P

For watertight, submersible and raintight rating external mounting means must be provided. Specify mounting lugs.

Note:
- NEMA 6P Applications: Boxes can be furnished and tested for submersible application up to 20 foot head of water at a price addition. To order add SUB to the catalog number (Example: YF 121204-SUB) and specify requirements.
- All YF-SUB applications must have:

1. Mounting lugs
2. Bossed drilled and tapped entries

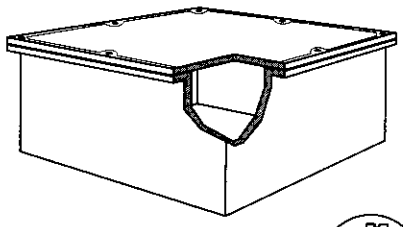
See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Iron

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YF-040403	5/32	4 x 4 x 3
YF-040404	5/32	4 x 4 x 4
YF-050504	3/16	5 x 5 x 4
YF-060403	5/32	6 x 4 x 3
YF-060404	5/32	6 x 4 x 4
YF-060603	3/16	6 x 6 x 3
YF-060604	7/32	6 x 6 x 4
YF-060606	7/32	6 x 6 x 6
YF-080403	3/16	8 x 4 x 3
YF-080404	3/16	8 x 4 x 4
YF-080603	7/32	8 x 6 x 3
YF-080604	7/32	8 x 6 x 4
YF-080606	7/32	8 x 6 x 6
YF-080804	7/32	8 x 8 x 4
YF-080806	1/4	8 x 8 x 6
YF-080808	1/4	8 x 8 x 8
YF-100604	7/32	10 x 6 x 4
YF-100606	7/32	10 x 6 x 6
YF-100804	1/4	10 x 8 x 4
YF-100806	1/4	10 x 8 x 6
YF-100808	1/4	10 x 8 x 8
YF-101004	1/4	10 x 10 x 4
YF-101006	1/4	10 x 10 x 6
YF-101008	1/4	10 x 10 x 8
YF-120404	1/4	12 x 4 x 4
YF-120604	1/4	12 x 6 x 4
YF-120606	1/4	12 x 6 x 6
YF-120804	1/4	12 x 8 x 4
YF-120806	1/4	12 x 8 x 6
YF-120808	1/4	12 x 8 x 8
YF-121004	1/4	12 x 10 x 4
YF-121006	1/4	12 x 10 x 6
YF-121008	1/4	12 x 10 x 8
YF-121204	1/4	12 x 12 x 4
YF-121206	1/4	12 x 12 x 6
YF-121207	3/16	12 x 12 x 7
YF-121208	3/16	12 x 12 x 8
YF-121210	3/16	12 x 12 x 10
YF-121212	3/16	12 x 12 x 12
YF-140804	1/4	14 x 8 x 4
YF-140806	1/4	14 x 8 x 6
YF-140808	1/4	14 x 8 x 8
YF-141406	5/16	14 x 14 x 6
YF-141408	5/16	14 x 14 x 8
YF-141410	5/16	14 x 14 x 10
YF-161204	5/32	16 x 12 x 4
YF-161206	5/32	16 x 12 x 6
YF-161208	5/32	16 x 12 x 8

ESP EXPRESS SHIPMENT PROGRAM

✓Denotes ESP Availability



The ridge on the underside of the cover assures a good seal.

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YF-161606	5/16	16 x 16 x 6
YF-180606	5/32	18 x 6 x 6
YF-180804	5/32	18 x 8 x 4
YF-180806	5/32	18 x 8 x 6
YF-181204	1/4	18 x 12 x 4
YF-181206	5/32	18 x 12 x 6
YF-181208	5/16	18 x 12 x 8
YF-181210	5/16	18 x 12 x 10
YF-181212	5/16	18 x 12 x 12
YF-181218	11/32	18 x 12 x 18
YF-181806	5/16	18 x 18 x 6
YF-181808	5/16	18 x 18 x 8
YF-181810	5/16	18 x 18 x 10
YF-181812	5/16	18 x 18 x 12
YF-241206	5/16	24 x 12 x 6
YF-241208	5/16	24 x 12 x 8
YF-241212	5/16	24 x 12 x 12
YF-241806	11/32	24 x 18 x 6
YF-241808	11/32	24 x 18 x 8
YF-241810	11/32	24 x 18 x 10
YF-241812	11/32	24 x 18 x 12
YF-241818	11/32	24 x 18 x 18
YF-242406	11/32	24 x 24 x 6
YF-242408	11/32	24 x 24 x 8
YF-242410	3/8	24 x 24 x 10
YF-242412	3/8	24 x 24 x 12
YF-242424	3/8	24 x 24 x 24
YF-281208	3/8	28 x 12 x 8

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YF-281212	3/8	28 x 12 x 12
YF-302408	3/8	30 x 24 x 8
YF-302410	3/8	30 x 24 x 10
YF-302412	3/8	30 x 24 x 12
YF-302418	3/8	30 x 24 x 18
YF-361806	3/8	36 x 18 x 6
YF-361808	3/8	36 x 18 x 8
YF-361812	3/8	36 x 18 x 12
YF-361818	3/8	36 x 18 x 18
YF-362418	13/32	36 x 24 x 18
YF-363608	7/16	36 x 36 x 8
YF-363610		36 x 36 x 10
YF-363612	7/16	36 x 36 x 12
YF-363618	7/16	36 x 36 x 18
EXPRESS SHIP PROGRAM		
✓YF-040404	5/32	4 x 4 x 4
✓YF-060404	7/32	6 x 4 x 4
✓YF-060606	7/32	6 x 6 x 6
✓YF-080606	7/32	8 x 6 x 6
✓YF-080804	7/32	8 x 8 x 4
✓YF-101006	1/4	10 x 10 x 6
✓YF-121206	1/4	12 x 12 x 6
✓YF-121208	5/16	12 x 12 x 8
✓YF-181208	5/16	18 x 12 x 8

Flat Flanged Boxes

Cast Aluminum Box For Surface Mounting

Type YF-A

Watertight - Raintight

Use:
These boxes have been listed by Underwriters' Laboratories, Inc. as a Type 4 enclosure. They are also suitable for use indoors or outdoors where they would be subjected to splashing water, see page of water, falling or hose directed water and severe external condensation (Watertight NEMA 4). For NEMA 6 requirements consult factory.

Standard Construction:
- Cast aluminum box and cover
- Neoprene gasket
- Stainless steel cover screws
- Ground flange

Third Party Certification:
UL Listed Type 4
E-18095 and E-24824

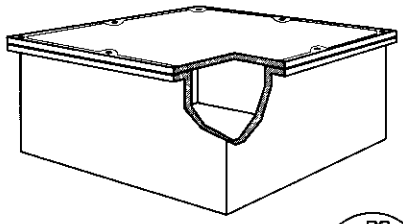
Applicable Third Party Standards:
UL Standard: 514A , 50
NEMA 4

For watertight and raintight rating external mounting means must be provided. Specify mounting lugs.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Aluminum

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YF-040403A	3/32	4 x 4 x 3
YF-040404A	5/32	4 x 4 x 4
YF-050504A	3/16	5 x 5 x 4
YF-060403A	3/32	6 x 4 x 3
YF-060404A	5/32	6 x 4 x 4
YF-060603A	3/16	6 x 6 x 3
YF-060604A	1/32	6 x 6 x 4
YF-060606A	1/32	6 x 6 x 6
YF-080403A	3/16	8 x 4 x 3
YF-080404A	3/16	8 x 4 x 4
YF-080603A	1/32	8 x 6 x 3
YF-080604A	1/32	8 x 6 x 4
YF-080606A	1/32	8 x 6 x 6
YF-080804A	1/32	8 x 8 x 4
YF-080806A	1/4	8 x 8 x 6
YF-080808A	1/4	8 x 8 x 8
YF-100604A	1/32	10 x 6 x 4
YF-100606A	1/32	10 x 6 x 6
YF-100804A	1/4	10 x 8 x 4
YF-100806A	1/4	10 x 8 x 6
YF-100808A	1/4	10 x 8 x 8
YF-101004A	1/4	10 x 10 x 4
YF-101006A	1/4	10 x 10 x 6
YF-101008A	1/4	10 x 10 x 8
YF-120404A	1/4	12 x 4 x 4
YF-120604A	1/4	12 x 6 x 4
YF-120606A	1/4	12 x 6 x 6
YF-120804A	1/4	12 x 8 x 4
YF-120806A	1/4	12 x 8 x 6
YF-120808A	1/4	12 x 8 x 8



The ridge on the underside of the cover assures a good seal.

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YF-121004A	1/4	12 x 10 x 4
YF-121006A	1/4	12 x 10 x 6
YF-121008A	1/4	12 x 10 x 8
YF-121204A	1/4	12 x 12 x 4
YF-121206A	1/4	12 x 12 x 6
YF-121207A	3/16	12 x 12 x 7
YF-121208A	5/16	12 x 12 x 8
YF-121210A	5/16	12 x 12 x 10
YF-121212A	5/16	12 x 12 x 12
YF-140804A	1/4	14 x 8 x 4
YF-140806A	1/4	14 x 8 x 6
YF-140808A	1/4	14 x 8 x 8
YF-141406A	3/16	14 x 14 x 6
YF-141408A	5/16	14 x 14 x 8
YF-141410A	3/16	14 x 14 x 10
YF-161204A	3/32	16 x 12 x 4
YF-161206A	3/32	16 x 12 x 6
YF-161208A	3/32	16 x 12 x 8
YF-161606A	3/16	16 x 16 x 6
YF-180606A	3/32	18 x 6 ,x 6
YF-180804A	3/32	18 x 8 x 4
YF-180806A	3/32	18 x 8 x 6
YF-181204A	1/4	18 x 12 x 4
YF-181206A	3/32	18 x 12 x 6
YF-181208A	3/16	18 x 12 x 8
YF-181210A	5/16	18 x 12 x 10
YF-181212A	5/16	18 x 12 x 12
YF-181218A	11/32	18 x 12 x 18

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YF-181806A	5/16	18 x 18 x 6
YF-181808A	5/16	18 x 18 x 8
YF-181810A	5/16	18 x 18 x 10
YF-181812A	5/16	18 x 18 x 12
YF-241206A	5/16	24 x 12 x 6
YF-241208A	5/16	24 x 12 x 8
YF-241212A	5/16	24 x 12 x 12
YF-241806A	11/32	24 x 18 x 6
YF-241808A	11/32	24 x 18 x 8
YF-241810A	11/32	24 x 18 x 10
YF-241812A	11/32	24 x 18 x 12
YF-242406A	11/32	24 x 24 x 6
YF-242408A	11/32	24 x 24 x 8
YF-242410A	3/8	24 x 24 x 10
YF-242412A	3/8	24 x 24 x 12
YF-281208A	3/8	28 x 12 x 8
YF-281212A	3/8	28 x 12 x 12
YF-302408A	3/8	30 x 24 x 8
YF-302410A	3/8	30 x 24 x 10
YF-302412A	3/8	30 x 24 x 12
YF-302418A	3/8	30 x 24 x 18
YF-361806A	3/8	36 x 18 x 6
YF-361808A	3/8	36 x 18 x 8
YF-361812A	3/8	36 x 18 x 12
YF-361818A	3/8	36 x 18 x 18
YF-362418A	13/32	36 x 24 x 18
YF-363608A	7/16	36 x 36 x 8
YF-363612A	7/16	36 x 36 x 12
YF-363618A	7/16	36 x 36 x 18

Hinged Cover Boxes

Cast Iron Box For Surface Mounting

Type YW

Use:
These Hinged Cover Boxes make ideal enclosures where equipment within the box has to be inspected frequently and easy access is required. The hinges are adjusted at the factory for proper gasket pressure, but can be readjusted in the field.

Standard Construction:
- Cast Iron box and cover
- Neoprene gasket
- Stainless steel cover screws

Features:
- Hinges are always located on the long side of the box and unless otherwise specified on the right side.

Third Party Certification:
UL Listed Type 4
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A , 50
NEMA 4

For watertight and raintight rating external mounting means must be provided. Specify mounting lugs.

Note:
Type YW Boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner. See "Recommended Location and Spacing of Conduits" on page UA6.

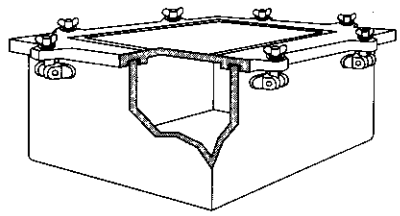
See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Iron

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YW-050503	3/16	5 x 5 x 3
YW-050504	3/16	5 x 5 x 4
YW-060403	3/16	6 x 4 x 3
YW-060404	3/16	6 x 4 x 4
YW-060603	3/16	6 x 6 x 3
YW-060604	3/16	6 x 6 x 4
YW-060605	7/32	6 x 6 x 5
YW-060606	1/4	6 x 6 x 6
YW-060610	9/32	6 x 6 x 9½
YW-080403	3/16	8 x 4 x 3
YW-080404	7/32	8 x 4 x 4
YW-080603	3/16	8 x 6 x 3
YW-080604	7/32	8 x 6 x 4
YW-080605	7/32	8 x 6 x 5
YW-080606	1/4	8 x 6 x 6
YW-080803	3/16	8 x 8 x 3
YW-080804	7/32	8 x 8 x 4
YW-080805	7/32	8 x 8 x 5
YW-080806	1/4	8 x 8 x 6
YW-080808	5/16	8 x 8 x 8
YW-090603	3/16	9 x 6 x 3
YW-090604	7/32	9 x 6 x 4
YW-100604	7/32	10 x 6 x 4
YW-100605	1/4	10 x 6 x 5
YW-100606	9/32	10 x 6 x 6
YW-100804	7/32	10 x 8 x 4
YW-100805	1/4	10 x 8 x 5
YW-100806	9/32	10 x 8 x 6
YW-100808	3/16	10 x 8 x 8
YW-100810	11/32	10 x 8 x 9½
YW-101003	3/16	10 x 10 x 3
YW-101004	7/32	10 x 10 x 4
YW-101005	1/4	10 x 10 x 5
YW-101006	1/4	10 x 10 x 6
YW-120603	3/16	12 x 6 x 3
YW-120604	7/32	12 x 6 x 4
YW-120606	9/32	12 x 6 x 6
YW-120804	7/32	12 x 8 x 4
YW-120806	9/32	12 x 8 x 6
YW-120808	5/16	12 x 8 x 8
YW-121004	1/4	12 x 10 x 4
YW-121005	1/4	12 x 10 x 5
YW-121006	11/32	12 x 10 x 6
YW-121008	5/16	12 x 10 x 8
YW-121203	3/16	12 x 12 x 3
YW-121204	1/4	12 x 12 x 4
YW-121206	9/32	12 x 12 x 6
YW-121208	5/16	12 x 12 x 8
YW-121210	11/32	12 x 12 x 10
YW-121212	3/8	12 x 12 x 12
YW-140804	1/4	14 x 8 x 4
YW-140806	9/32	14 x 8 x 6
YW-141006	9/32	14 x 10 x 6
YW-141008	5/16	14 x 10 x 8
YW-141406	9/32	14 x 14 x 6
YW-141408	5/16	14 x 14 x 8
YW-141410	11/32	14 x 14 x 10
YW-150604	1/4	15 x 6 x 4
YW-150808	5/16	15 x 8 x 8
YW-150904	1/4	15 x 9 x 4

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability



Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YW-150906	9/32	15 x 9 x 6
YW-151006	9/32	15 x 10 x 6
YW-161006	9/32	16 x 10 x 6
YW-161008	5/16	16 x 10 x 8
YW-161204	1/4	16 x 12 x 4
YW-161206	9/32	16 x 12 x 6
YW-161208	5/16	16 x 12 x 8
YW-161606	9/32	16 x 16 x 6
YW-180604	1/4	18 x 6 x 4
YW-180606	9/32	18 x 6 x 6
YW-180806	9/32	18 x 8 x 6
YW-180808	5/16	18 x 8 x 8
YW-181204	1/4	18 x 12 x 4
YW-181206	9/32	18 x 12 x 6
YW-181208	5/16	18 x 12 x 8
YW-181210	3/8	18 x 12 x 10
YW-181212	7/16	18 x 12 x 12
YW-181406	9/32	18 x 14 x 6
YW-181408	5/16	18 x 14 x 8
YW-181606	9/32	18 x 16 x 6
YW-181608	5/16	18 x 16 x 8
YW-181806	5/16	18 x 18 x 6
YW-181808	11/32	18 x 18 x 8
YW-181810	3/8	18 x 18 x 10
YW-181812	7/16	18 x 18 x 12
YW-201006	9/32	20 x 10 x 6
YW-201008	5/16	20 x 10 x 8
YW-202006	5/16	20 x 20 x 6
YW-240806	9/32	24 x 8 x 6
YW-240808	11/32	24 x 8 x 8
YW-241206	9/32	24 x 12 x 6
YW-241208	5/16	24 x 12 x 8
YW-241212	7/16	24 x 12 x 12
YW-241606	9/32	24 x 16 x 6
YW-241608	11/32	24 x 16 x 8
YW-241806	5/16	24 x 18 x 6
YW-241808	11/32	24 x 18 x 8
YW-241810	3/8	24 x 18 x 10
YW-241812	7/16	24 x 18 x 12
YW-242406	5/16	24 x 24 x 6
YW-242408	11/32	24 x 24 x 8
YW-242410	3/8	24 x 24 x 10
YW-242412	7/16	24 x 24 x 12
YW-242416	1/2	24 x 24 x 16

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YW-281206	5/16	28 x 12 x 6
YW-281208	3/8	28 x 12 x 8
YW-281212	7/16	28 x 12 x 12
YW-300806	9/32	30 x 8 x 6
YW-300808	11/32	30 x 8 x 8
YW-301808	11/32	30 x 18 x 8
YW-301812	7/16	30 x 18 x 12
YW-301814	1/2	30 x 18 x 14
YW-302406	11/32	30 x 24 x 6
YW-302408	3/8	30 x 24 x 8
YW-302412	7/16	30 x 24 x 12
YW-360606	9/32	36 x 6 x 6
YW-361208	7/16	36 x 12 x 8
YW-361212	11/32	36 x 12 x 12
YW-361808	7/16	36 x 18 x 8
YW-362408	11/32	36 x 24 x 8
YW-362412	7/16	36 x 24 x 12
YW-363608	3/8	36 x 36 x 8
YW-363612	7/16	36 x 36 x 12

EXPRESS SHIP PROGRAM

✔YW-060404	3/16	6 x 4 x 4
✔YW-060603	3/16	6 x 6 x 3
✔YW-060604	3/16	6 x 6 x 4
✔YW-060606	1/4	6 x 6 x 6
✔YW-080604	7/32	8 x 6 x 4
✔YW-080606	1/4	8 x 6 x 6
✔YW-080804	7/32	8 x 8 x 4
✔YW-080806	1/4	8 x 8 x 6
✔YW-080808	5/16	8 x 8 x 8
✔YW-100804	1/2	10 x 8 x 4
✔YW-100806	9/32	10 x 8 x 6
✔YW-101006	1/4	10 x 10 x 6
✔YW-120604	1/2	12 x 6 x 4
✔YW-120606	9/32	12 x 6 x 6
✔YW-120806	1/32	12 x 8 x 6
✔YW-121204	1/4	12 x 12 x 4
✔YW-121206	9/32	12 x 12 x 6
✔YW-121208	5/16	12 x 12 x 8
✔YW-181206	9/32	18 x 12 x 6
✔YW-181806	5/16	18 x 18 x 6
✔YW-181812	7/16	18 x 18 x 12
✔YW-242408	1/2	24 x 24 x 8

*Measured 2" up from back of box.

Hinged Cover Boxes

Cast Aluminum Box For Surface Mounting

Type YW-A

Use:
These Hinged Cover Boxes make ideal enclosures where equipment within the box has to be inspected frequently and easy access is required. The hinges are adjusted at the factory for proper gasket pressure, but can be readjusted in the field.

Standard Construction:
- Cast Aluminum box and cover
- Neoprene gasket
- Stainless steel cover screws

Features:
- Hinges are always located on the long side of the box and unless otherwise specified on the right side.

Third Party Certification:
UL Listed Type 4
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A , 50
NEMA 4

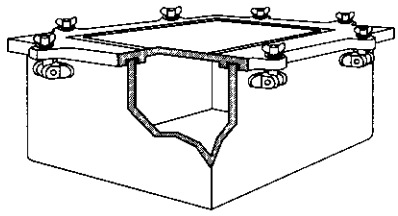
For watertight and raintight rating external mounting means must be provided. Specify mounting lugs.

Note:
Type YW-A Boxes have a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner. See "Recommended Location and Spacing of Conduits" on page UA6.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Aluminum

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YW-050503A	3/16	5 x 5 x 3
YW-050504A	3/16	5 x 5 x 4
YW-060403A	3/16	6 x 4 x 3
YW-060404A	3/16	6 x 4 x 4
YW-060603A	3/16	6 x 6 x 3
YW-060604A	3/16	6 x 6 x 4
YW-060605A	7/32	6 x 6 x 5
YW-060606A	1/4	6 x 6 x 6
YW-060610A	9/32	6 x 6 x 9½
YW-080403A	3/16	8 x 4 x 3
YW-080404A	7/32	8 x 4 x 4
YW-080603A	3/16	8 x 6 x 3
YW-080604A	7/32	8 x 6 x 4
YW-080605A	7/32	8 x 6 x 5
YW-080606A	1/4	8 x 6 x 6
YW-080803A	3/16	8 x 8 x 3
YW-080804A	7/32	8 x 8 x 4
YW-080805A	7/32	8 x 8 x 5
YW-080806A	1/4	8 x 8 x 6
YW-080808A	5/16	8 x 8 x 8
YW-090603A	3/16	9 x 6 x 3
YW-090604A	7/32	9 x 6 x 4
YW-100604A	7/32	10 x 6 x 4
YW-100605A	1/4	10 x 6 x 5
YW-100606A	9/32	10 x 6 x 6
YW-100804A	7/32	10 x 8 x 4
YW-100805A	1/4	10 x 8 x 5
YW-100806A	9/32	10 x 8 x 6
YW-100808A	5/16	10 x 8 x 8
YW-100810A	11/32	10 x 8 x 9½
YW-101003A	3/16	10 x 10 x 3
YW-101004A	7/32	10 x 10 x 3
YW-101005A	1/4	10 x 10 x 5
YW-101006A	1/4	10 x 10 x 6
YW-120603A	3/16	12 x 6 x 3
YW-120604A	7/32	12 x 6 x 4
YW-120606A	9/32	12 x 6 x 6
YW-120804A	7/32	12 x 8 x 4
YW-120806A	9/32	12 x 8 x 6
YW-120808A	5/16	12 x 8 x 8
YW-121004A	1/4	12 x 10 x 4
YW-121005A	1/4	12 x 10 x 5
YW-121006A	11/32	12 x 10 x 6
YW-121008A	5/16	12 x 10 x 8
YW-121203A	3/16	12 x 12 x 3
YW-121204A	1/4	12 x 12 x 4
YW-121206A	9/32	12 x 12 x 6
YW-121208A	5/16	12 x 12 x 8
YW-121210A	11/32	12 x 12 x 10
YW-121212A	3/8	12 x 12 x 12
YW-140804A	1/4	14 x 8 x 4
YW-140806A	9/32	14 x 8 x 6
YW-141006A	9/32	14 x 10 x 6
YW-141008A	5/16	14 x 10 x 8
YW-141406A	9/32	14 x 14 x 6
YW-141408A	5/16	14 x 14 x 8



Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YW-141410A	11/32	14 x 14 x 10
YW-150604A	1/4	15 x 6 x 4
YW-150808A	5/16	15 x 8 x 8
YW-150904A	1/4	15 x 9 x 4
YW-150906A	9/32	15 x 9 x 6
YW-151006A	9/32	15 x 10 x 6
YW-161006A	9/32	16 x 10 x 6
YW-161008A	5/16	16 x 10 x
8YW-161204A	1/4	16 x 12 x 4
YW-161206A	9/32	16 x 12 x 6
YW-161208A	5/16	16 x 12 x 8
YW-161606A	9/32	16 x 16 x 6
YW-180604A	1/4	18 x 6 x 4
YW-180606A	9/32	18 x 6 x 6
YW-180806A	9/32	18 x 8 x 6
YW-180808A	5/16	18 x 8 x 8
YW-181204A	1/4	18 x 12 x 4
YW-181206A	9/32	18 x 12 x 6
YW-181208A	5/16	18 x 12 x 8
YW-181210A	3/8	18 x 12 x 10
YW-181212A	7/16	18 x 12 x 12
YW-181406A	9/32	18 x 14 x 6
YW-181408A	5/16	18 x 14 x 8
YW-181606A	9/32	18 x 16 x 6
YW-181608A	5/16	18 x 16 x 8
YW-181806A	5/16	18 x 18 x 6
YW-181808A	11/32	18 x 18 x 8
YW-181810A	3/8	18 x 18 x 10
YW-181812A	7/16	18 x 18 x 12
YW-201006A	9/32	20 x 10 x 6
YW-201008A	5/16	20 x 10 x 8
YW-202006A	5/16	20 x 20 x 6
YW-240806A	9/32	24 x 8 x 6
YW-240808A	11/32	24 x 8 x 8
YW-241206A	9/32	24 x 12 x 6
YW-241208A	5/16	24 x 12 x 8
YW-241212A	7/16	24 x 12 x 12
YW-241606A	9/32	24 x 16 x 6
YW-241608A	11/32	24 x 16 x 8
YW-241806A	5/16	24 x 18 x 6

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YW-241808A	11/32	24 x 18 x 8
YW-241810A	3/8	24 x 18 x 10
YW-241812A	7/16	24 x 18 x 12
YW-242406A	5/16	24 x 24 x 6
YW-242408A	11/32	24 x 24 x 8
YW-242410A	3/8	24 x 24 x 10
YW-242412A	7/16	24 x 24 x 12
YW-242416A	1/2	24 x 24 x 16
YW-281206A	5/16	28 x 12 x 6
YW-281208A	3/8	28 x 12 x 8
YW-281212A	7/16	28 x 12 x 12
YW-300806A	9/32	30 x 8 x 6
YW-300808A	11/32	30 x 8 x 8
YW-301808A	11/32	30 x 18 x 8
YW-301812A	7/16	30 x 18 x 12
YW-301814A	1/2	30 x 18 x 14
YW-302406A	11/32	30 x 24 x 6
YW-302408A	3/8	30 x 24 x 8
YW-302412A	7/16	30 x 24 x 12
YW-360606A	9/32	36 x 6 x 6
YW-361208A	7/16	36 x 12 x 8
YW-361212A	11/32	36 x 12 x 12
YW-361808A	7/16	36 x 18 x 8
YW-362408A	11/32	36 x 24 x 8
YW-362412A	7/16	36 x 24 x 12
YW-363608A	3/8	36 x 36 x 8
YW-363612A	7/16	36 x 36 x 12

*Measured 2" up from back of box.

Outside Flanged Recessed Cover Boxes

Cast Iron Box For Flush Mounting

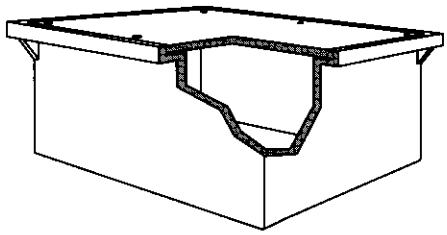
Type YR

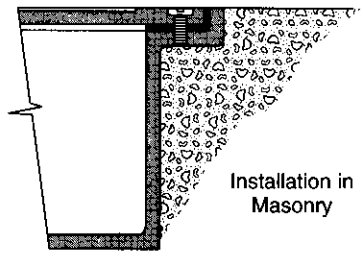
Watertight - Raintight

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability

Use:
These recessed cover boxes are listed by Underwriters' Laboratories, Inc. as Type 4. They are suitable for use outdoors where they would be subjected to rain or dripping or splashing of water. This type of box is designed especially for flush mounting in walls or floors as shown or can be used for surface mounting using mounting lugs. They are furnished with a plain cover as shown but can be supplied with steel checkered plate covers suitable for foot traffic (add Suffix "CS"). Steel checkered covers suitable for vehicular traffic (H-20 loading) can also be furnished (add Suffix "CSV").





Installation in Masonry

Standard Construction:
- Cast iron box and plain cover
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws

Third Party Certification:
UL Listed Type 4
E-18095 and E-24824

Applicable Third Party Standards:
UL Standard: 514A , 50
NEMA 4

Note:
These boxes can be furnished in Cast Aluminum however they are not recommended for installation in concrete. Refer to factory.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

Cast Iron

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YR-040403	5/32	4 x 4 x 3
YR-040404	5/32	4 x 4 x 4
YR-060403	5/32	6 x 4 x 3
YR-060404	5/32	6 x 4 x 4
YR-060603	3/16	6 x 6 x 3
YR-060604	7/32	6 x 6 x 4
YR-060606	7/32	6 x 6 x 6
YR-080403	3/16	8 x 4 x 3
YR-080404	3/16	8 x 4 x 4
YR-080603	7/32	8 x 6 x 3
YR-080604	7/32	8 x 6 x 4
YR-080606	7/32	8 x 6 x 6
YR-080804	1/4	8 x 8 x 4
YR-080806	1/4	8 x 8 x 6
YR-080808	1/4	8 x 8 x 8
YR-100604	7/32	10 x 6 x 4
YR-100606	7/32	10 x 6 x 6
YR-100806	1/4	10 x 8 x 6
YR-101004	1/4	10 x 10 x 4
YR-101006	1/4	10 x 10 x 6
YR-101008	1/4	10 x 10 x 8
YR-120604	1/4	12 x 6 x 4
YR-120606	1/4	12 x 6 x 6
YR-120804	1/4	12 x 8 x 4
YR-120806	1/4	12 x 8 x 6
YR-120808	1/4	12 x 8 x 8
YR-121004	1/4	12 x 10 x 4
YR-121006	1/4	12 x 10 x 6
YR-121008	1/4	12 x 10 x 8
YR-121010	1/4	12 x 10 x 10
YR-121204	1/4	12 x 12 x 4
YR-121206	1/4	12 x 12 x 6
YR-121208	5/16	12 x 12 x 8
YR-121210	5/16	12 x 12 x 10
YR-121212	5/16	12 x 12 x 12
YR-121218	3/8	12 x 12 x 18
YR-140804	1/4	14 x 8 x 4
YR-140806	1/4	14 x 8 x 6
YR-161204	5/32	16 x 12 x 4
YR-161206	5/32	16 x 12 x 6
YR-161208	5/32	16 x 12 x 8
YR-161408	5/16	16 x 14 x 8
YR-180606	5/32	18 x 6 x 6
YR-180806	5/32	18 x 8 x 6
YR-180808	5/32	18 x 8 x 6

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (Inches) L x W x D
YR-181008	5/16	18 x 10 x 8
YR-181204	1/4	18 x 12 x 4
YR-181206	5/32	18 x 12 x 6
YR-181208	5/16	18 x 12 x 8
YR-181210	5/16	18 x 12 x 10
YR-181212	5/16	18 x 12 x 12
YR-181218	11/32	18 x 12 x 18
YR-181806	5/16	18 x 18 x 6
YR-181808	5/16	18 x 18 x 8
YR-181810	5/16	18 x 18 x 10
YR-181812	5/16	18 x 18 x 12
YR-201615	3/8	20 x 16 x 15
YR-240808	5/32	24 x 8 x 8
YR-241206	5/16	24 x 12 x 6
YR-241208	5/16	24 x 12 x 8
YR-241210	5/16	24 x 12 x 10
YR-241212	5/16	24 x 12 x 12
YR-241806	11/32	24 x 18 x 6
YR-241808	11/32	24 x 18 x 8
YR-241810	11/32	24 x 18 x 10
YR-241812	11/32	24 x 18 x 12
YR-242406	11/32	24 x 24 x 6
YR-242408	11/32	24 x 24 x 8
YR-242410	3/8	24 x 24 x 10
YR-242412	3/8	24 x 24 x 12
YR-242418		24 x 24 x 18
YR-242424	7/16	24 x 24 x 24
YR-302408	3/8	30 x 24 x 8
YR-302410	3/8	30 x 24 x 10
YR-302412	3/8	30 x 24 x 12
YR-302418	3/8	30 x 24 x 18
YR-361806	3/8	36 x 18 x 6
YR-361808	3/8	36 x 18 x 8
YR-361812	3/8	36 x 18 x 12
YR-361818	3/8	36 x 18 x 18
YR-362410		36 x 24 x 10
YR-362418	13/32	36 x 24 x 18
YR-363608		36 x 36 x 8
YR-363610		36 x 36 x 10
YR-363612		36 x 36 x 12
YR-363618	7/16	36 x 36 x 18

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (Inches) L x W x D
EXPRESS SHIP PROGRAM		
✔YR-040404	5/32	4 x 4 x 4
✔YR-060404	5/32	6 x 4 x 4
✔YR-060604	7/32	6 x 6 x 4
✔YR-060606	7/32	6 x 6 x 6
✔YR-080604	7/32	8 x 6 x 4
✔YR-080606	7/32	8 x 6 x 6
✔YR-080804	7/32	8 x 8 x 4
✔YR-080806	1/4	8 x 8 x 6
✔YR-080808	1/4	8 x 8 x 8
✔YR-101006	1/4	10 x 10 x 6
✔YR-101008	1/4	10 x 10 x 8
✔YR-120808	1/4	12 x 8 x 8
✔YR-121206	1/4	12 x 12 x 6
✔YR-121208	5/16	12 x 12 x 8
✔YR-121212	5/16	12 x 12 x 12
✔YR-161208	5/32	16 x 12 x 8
✔YR-181208	5/16	18 x 12 x 8
✔YR-181812	5/16	18 x 18 x 12
✔YR-241810	11/32	24 x 18 x 10

*Checkered Steel covered boxes, suffix "CS," also available on ESP.

Inside Flanged Recessed Cover Boxes

Cast Iron Box For Flush Mounting

Type YU

Dust Tight - Raintight

Use:
These recessed cover boxes are designed for flush mounting in masonry. They are furnished with a plain cover as shown but can be supplied with steel checkered plate covers suitable for foot traffic, if specified, at a price addition.

Standard Construction:
- Cast iron box and plain cover
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws

Third Party Certification:
UL Listed E-18095 and E-24824

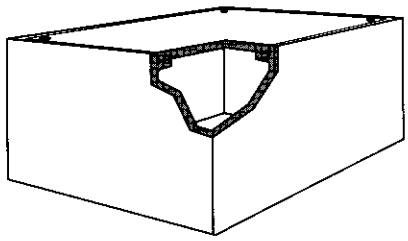
Applicable Third Party Standards:
UL Standard: 514A , 50
NEMA 3R

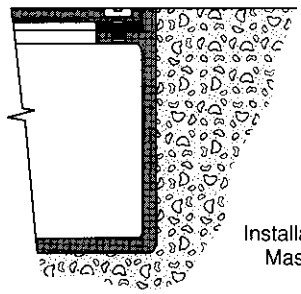
Note:
These boxes can be furnished for watertight (NEMA 4) application. Refer to factory.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability





Installation in Masonry

Cast Iron

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YU-040402	7/32	4 x 4 x 2
YU-040403	7/32	4 x 4 x 3
YU-040404	5/32	4 x 4 x 4
YU-060403	7/32	6 x 4 x 3
YU-060404	7/32	6 x 4 x 4
YU-060604	7/32	6 x 6 x 4
YU-060606	7/32	6 x 6 x 6
YU-080404	1/4	8 x 4 x 4
YU-080604	1/4	8 x 6 x 4
YU-080606	1/4	8 x 6 x 6
YU-080804	1/4	8 x 8 x 4
YU-080806	1/4	8 x 8 x 6
YU-080808	1/4	8 x 8 x 8
YU-100604	1/4	10 x 6 x 4
YU-100605	1/4	10 x 6 x 5
YU-100804	1/4	10 x 8 x 4
YU-100806	1/4	10 x 8 x 6
YU-100808	1/4	10 x 8 x 8
YU-100811	1/4	10 x 8 x 11
YU-101004	1/4	10 x 10 x 4
YU-101006	1/4	10 x 10 x 6
YU-101008	1/4	10 x 10 x 8
YU-120604	1/4	12 x 6 x 4
YU-120606	1/4	12 x 6 x 6
YU-120804	1/4	12 x 8 x 4
YU-120806	1/4	12 x 8 x 6
YU-120808	1/4	12 x 8 x 8
YU-120811	5/16	12 x 8 x 11
YU-121204	9/32	12 x 12 x 4
YU-121206	1/4	12 x 12 x 6

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YU-121208	9/32	12 x 12 x 8
YU-121212	5/16	12 x 12 x 12
YU-140806	1/4	14 x 8 x 6
YU-141404	5/16	14 x 14 x 4
YU-141406	5/16	14 x 14 x 6
YU-141408	5/16	14 x 14 x 8
YU-141410	5/16	14 x 14 x 10
YU-160604	1/4	16 x 6 x 4
YU-160606	1/4	16 x 6 x 6
YU-160804	1/4	16 x 8 x 4
YU-160808	1/4	16 x 8 x 8
YU-161206	9/32	16 x 12 x 6
YU-161208	9/32	16 x 12 x 8
YU-180806	9/32	18 x 8 x 6
YU-180808	9/32	18 x 8 x 8
YU-181204		18 x 12 x 4
YU-181206		18 x 12 x 6
YU-181208	1/4	18 x 12 x 8
YU-181210	9/32	18 x 12 x 10
YU-181212		18 x 12 x 12
YU-181218	3/8	18 x 12 x 18
YU-181604	1/4	18 x 16 x 4
YU-181608	9/32	18 x 16 x 8
YU-240606		24 x 6 x 6
YU-240806		24 x 8 x 6
YU-240808		24 x 8 x 8

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
EXPRESS SHIP PROGRAM		
✔YU-040404	5/32	4 x 4 x 4
✔YU-060604	7/32	6 x 6 x 4
✔YU-060606	7/32	6 x 6 x 6
✔YU-080804	1/4	8 x 8 x 4
✔YU-080806	1/4	8 x 8 x 6
✔YU-121206	1/4	12 x 12 x 6
✔YU-160606	1/4	16 x 6 x 6
✔YU-180808	9/32	18 x 8 x 8
✔YU-240606		24 x 6 x 6

Checkered Cover Sidewalk Boxes

Cast Iron Box For Flush Mounting

Type YT

Use:
These boxes are specially designed to be mounted in sidewalks and other flat concrete surfaces. Their checkered covers are made to withstand pedestrian traffic. The flanges and covers are interchangeable to permit replacement without disturbing the box or conduit system. Heavy checkered steel covers can be furnished which will accommodate vehicular traffic at a price addition.

Features:
- Flanges and covers are interchangeable to permit replacement without disturbing box or conduit system.

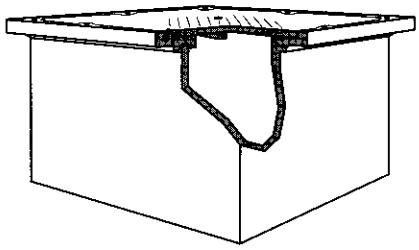
Standard Construction:
- Cast iron box, flange and cover
- Cross-ribbed checkered cover with pry bar slots
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws

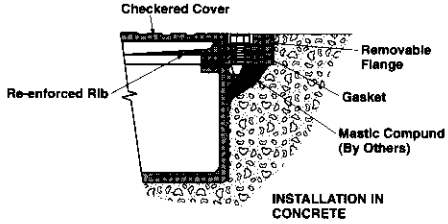
Note:
Type YT boxes have a post in each corner and allowances must be made for them, when conduit entrances are to be located close to a corner. See "Recommended Location and Spacing of Conduits", on Page UA6.

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.

ESP EXPRESS SHIPMENT PROGRAM

✔Denotes ESP Availability





Cast Iron

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YT-060604	¼	6 x 6 x 4
YT-080604	¼	8 x 6 x 4
YT-080804	¼	8 x 8 x 4
YT-080806	¼	8 x 8 x 6
YT-080808	¼	8 x 8 x 8
YT-120806	5/16	12 x 8 x 6
YT-120808		12 x 8 x 8
YT-121204	5/16	12 x 12 x 4
YT-121206	5/16	12 x 12 x 6
YT-121208	⅜	12 x 12 x 8
YT-121212	⅜	12 x 12 x 12
YT-141406	5/16	14 x 14 x 6
YT-141408	⅜	14 x 14 x 8
YT-141410	⅜	14 x 14 x 10
YT-141412	⅜	14 x 14 x 12
YT-181015	⅜	18 x 10 x 15
YT-181206	⅜	18 x 12 x 6
YT-181208	⅜	18 x 12 x 8
YT-181210	⅜	18 x 12 x 10
YT-181212	⅜	18 x 12 x 12
YT-181808	⅜	18 x 18 x 8
YT-181812	⅜	18 x 18 x 12
YT-241206	⅜	24 x 12 x 6
YT-241208	⅜	24 x 12 x 8
YT-241210	⅜	24 x 12 x 10
YT-241212	⅜	24 x 12 x 12
YT-241216	⅜	24 x 12 x 16

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
YT-241410	⅜	24 x 14 x 10
YT-241412	⅜	24 x 14 x 12
YT-241806		24 x 18 x 6
YT-241808	⅜	24 x 18 x 8
YT-241810	⅜	24 x 18 x 10
YT-241812	⅜	24 x 18 x 12
YT-242406		24 x 24 x 6
YT-242408	7/16	24 x 24 x 8
YT-242410	⅜	24 x 24 x 10
YT-242412	⅜	24 x 24 x 12
YT-301010	⅜	30 x 10 x 10
YT-301210	⅜	30 x 12 x 10
YT-301212	⅜	30 x 12 x 12
YT-301410	⅜	30 x 14 x 10
YT-301412	⅜	30 x 14 x 12
YT-301414	⅜	30 x 14 x 14
YT-301808	⅜	30 x 18 x 8
YT-301812	⅜	30 x 18 x 12
YT-361808	⅜	36 x 18 x 8
YT-361812	⅜	36 x 18 x 12
YT-362412	⅜	36 x 24 x 12
YT-362414	⅜	36 x 24 x 14

Catalog Number	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
EXPRESS SHIP PROGRAM		
✔YT-060604	¼	6 x 6 x 4
✔YT-080804	¼	8 x 8 x 4
✔YT-080806	¼	8 x 8 x 6
✔YT-121206	5/16	12 x 12 x 6
✔YT-121208	⅜	12 x 12 x 8
✔YT-121212	⅜	12 x 12 x 12
✔YT-181210	⅜	18 x 12 x 10

Checkered Cover Sidewalk Topping Box

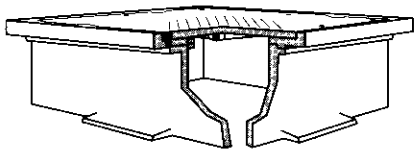
Cast Iron Box For Flush Mounting

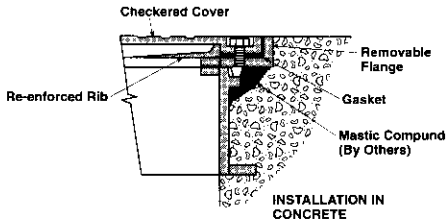
Type Y58E

Use:
These boxes are designed to top off an underlying concrete pull box. The construction details of the cover and flange are the same as those of the Type YT shown on Page UA22.

Standard Construction:
- Cast iron box, flange and cover
- Cross-ribbed checkered cover with pry bar slots
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws

See Pages UA5-UA10 for instructions for ordering boxes and additional cost items.





Cast Iron

Catalog Number*	Aprox. Wall Thick.	Inside Dim. (inches) L x W x D
Y58E-1212	⅜	12 x 12 x 5
Y58E-1812	⅜	18 x 12 x 5
Y58E-2412	⅜	24 x 12 x 5
Y58E-2418	⅜	24 x 18 x 5
Y58E-2424	⅜	24 x 24 x 5
Y58E-3018	⅜	30 x 18 x 5
Y58E-3618	⅜	36 x 18 x 5
Y58E-3624	⅜	36 x 24 x 5
Y58E-3636	⅜	36 x 36 x 5
Y58E-4224	⅜	42 x 24 x 5

Hinged Door & Trim Cabinet

Cast Iron Box For Flush Mounting in Walls

Type YC

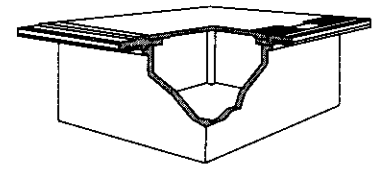
Use:
These boxes have ornamental trim for flush mounting in concrete or stone structures. They are used in bridge construction, underpasses and approaches. They may house time switches, relays or other types of equipment.

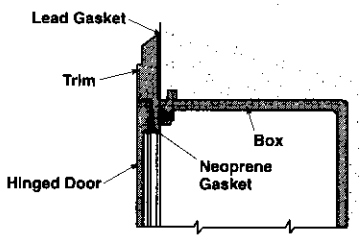
Standard Construction:
- Cast iron box, hot dip galvanized
- Trim and door - cast iron, hot dip galvanized, or cast bronze - specify correct Catalog Number
- Neoprene gasket and one-piece lead gasket
- Non-removable hinges
- Brass cylinder lock with two keys
- Lettering cast on cover per specification

Note:
Type YC boxes have a post in each corner and allowances must be made for them, when conduit entrances are to be located close to a corner. See "Recommended Location and Spacing of Conduits" on Page UA6.

See Pages UA5-UA10 for instructions for ordering boxes and additional items.

Box/ Trim/Door Cast Iron/ Hot Dip Galvanized Catalog Number	Box Cast Iron/Hot Dip Galvanized Trim/Door Cast Bronze Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YC-060604	YC-060604B	1/4	6 x 6 x 4
YC-080804	YC-080804B	1/4	8 x 8 x 4
YC-080806	YC-080806B	1/4	8 x 8 x 6
YC-080808	YC-080808B	1/4	8 x 8 x 8
YC-121204	YC-121204B	5/16	12 x 12 x 4
YC-121206	YC-121206B	5/16	12 x 12 x 6
YC-121208	YC-121208B	3/8	12 x 12 x 8
YC-141404	YC-141404B	5/16	14 x 14 x 4
YC-141406	YC-141406B	5/16	14 x 14 x 6
YC-141408	YC-141408B	3/8	14 x 14 x 8
YC-141410	YC-141410B	3/8	14 x 14 x 10
YC-161606	YC-161606B	3/8	16 x 16 x 6
YC-161608	YC-161608B	3/8	16 x 16 x 8
YC-161612	YC-161612B	3/8	16 x 16 x 12
YC-181206	YC-181206B	3/8	18 x 12 x 6
YC-181208	YC-181208B	3/8	18 x 12 x 8
YC-181210	YC-181210B	3/8	18 x 12 x 10
YC-181212	YC-181212B	3/8	18 x 12 x 12
YC-181806	YC-181806B	3/8	18 x 18 x 6
YC-181808	YC-181808B	3/8	18 x 18 x 8
YC-181812	YC-181812B	3/8	18 x 18 x 12
YC-242406	YC-242406B	3/8	24 x 24 x 6
YC-242408	YC-242408B	3/8	24 x 24 x 8
YC-242410	YC-242410B	3/8	24 x 24 x 10
YC-242412	YC-242412B	3/8	24 x 24 x 12





Installation in Wall

Checkered Cover Sidewalk Topping Box

Cast Iron Box For Flush Mounting

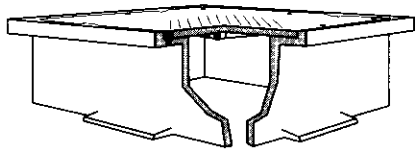
Type YNY

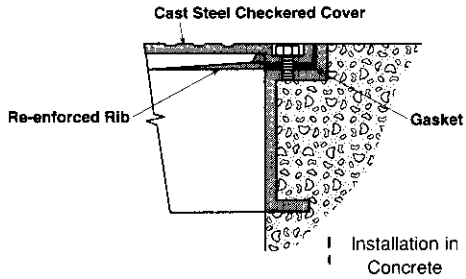
Use:
These boxes are designed to top off concrete pull boxes. Design of these boxes is similar to the Type Y58E on Page UA23 except box and flange are one piece and cover is of cast steel. Units designed to withstand vehicular traffic.

Standard Construction:
- Cast iron box and cast steel or ductile iron cover
- Cross-ribbed checkered cover with pry bar slots
- Hot dip galvanized finish
- Neoprene gasket
- Stainless steel cover screws

See Pages UA5-UA10 for instructions for ordering boxes and additional items.

Catalog Number	Aprox. Wall Thick.*	Inside Dim. (inches) L x W x D
YNY-1812-DIV	⅜	18 x 12 x 5½
YNY-2418-DIV	⅜	24 x 18 x 5½
YNY-3018-DIV	⅜	30 x 18 x 5½
YNY-3618-DIV	⅜	36 x 18 x 5½
YNY-3624-DIV	⅜	36 x 24 x 5½
YNY-4824-DIV	⅜	48 x 24 x 5½





Hinged Cover Terminal Cabinets

Cast Iron or Aluminum Boxes for Surface Mounting

Type YW-T
Cast Iron Box & Cover

Type YW-T-A
Cast Aluminum Box & Cover

Use:
These terminal cabinets consist of our Type YW and YW-A enclosures in which are mounted heavy duty terminal blocks (45A., 600V).

The terminal blocks used provide an individual connection for each incoming lead and an individual connection for each outgoing lead and are joined by a connecting strip.

Terminal blocks with provisions for connecting the incoming and outgoing leads on a common stud as required on telephone and thermocouple leads can be furnished. Consult factory.

Standard Construction:
- Type YW-T - Cast iron box and cover with hot dip galvanized finish.
- Type YW-T-A Cast aluminum box and cover.
- Neoprene gasket
- Stainless steel cover hardware
- Mounting lugs
- Heavy duty terminal blocks (50A., 600V) for #10 max wires

Third Party Certification:
UL Listed E-18095 and E-24824 (Listing covers the Types YW and YW-A enclosures only.)

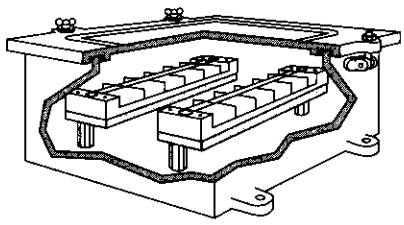
Applicable Third Party Standards:
UL Standard: 514A , 50
NEMA 4

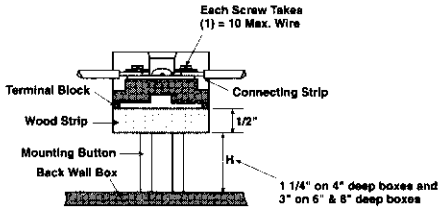
Note:
Hinges are always located on the long side of the box, and unless otherwise specified, on the right side.

This type of box has a post in each corner and allowances must be made for them when conduit entrances are to be located close to a corner.

See "Recommended Location and Spacing of Conduits", on Page UA6.

See pages UA5-UA10 for instructions for ordering boxes and additional cost items.





Terminal Block Mounted in Back of Cabinet

Cast Iron Catalog Number	Cast Aluminum Catalog Number	No. of Circuits	Arrangement of Blocks Vertical Rows	Max.** Wall Thick.*	Max. Conduit Size	Inside Dimensions L x W x D	No. of Hinges	No. of Thumb Screws Left Side	Top	Bottom
YW-100604-8T	YW-100604-8TA	8	I	7/32	2	10 x 6 x 4	2	2	--	--
YW-120604-12T	YW-120604-12TA	12	I	7/32	2	12 x 6 x 4	2	2	--	--
YW-121204-16T	YW-121204-16TA	16	I I	1/4	2	12 x 12 x 4	2	2	1	1
YW-121204-24T	YW-121204-24TA	24	I I	1/4	2	12 x 12 x 4	2	2	1	1
YW-161204-32T	YW-161204-32TA	32	I I	1/4	2	16 x 12 x 4	2	2	1	1
YW-181204-40T	YW-181204-40TA	40	I I	1/4	2	12 x 4 x 3	3	3	1	1
YW-241206-48T	YW-241206-48TA	48	I I	9/32	4	24 x 12 x 6	3	3	1	1
YW-181806-60T	YW-181806-60TA	60	I I I	5/16	4	18 x 18 x 6	3	3	2	2
YW-241806-72T	YW-241806-72TA	72	I I I	5/16	4	24 x 18 x 6	3	3	2	2
YW-301808-84T	YW-301808-84TA	84	I I I	11/32	5	30 x 18 x 8	3	3	2	2
YW-301808-96T	YW-301808-96TA	96	I I I	11/32	5	30 x 18 x 8	3	3	2	2
YW-301808-108T	YW-301808-108TA	108	I I I	7/16	5	36 x 18 x 8	5	5	2	2
YW-361808-120T	YW-361808-120TA	120	I I I	7/16	5	36 x 18 x 8	5	5	2	2

* Measured 2" up from back of box.
**The anchors for mounting the wing nuts and hinges on the box limit the amount of space available for conduit entrances. The bottom of these anchors extend a maximum of 1¾" below the top edge of the box. Where it is possible to locate the conduit openings between the anchors, the full height of the box may be utilized. A detailed dimensional drawing showing the location of hinges and fastenings is available and may be obtained upon request.

Junction Boxes with Multi-Branch Distribution Panel

For 600 Volt Maximum Service

Type YF 1950
Distribution panel mounted in our flat flanged boxes

Type YE 1950
Distribution panel mounted in our explosion proof, dust tight boxes

Use:
These distribution panels provide a fast and convenient means of making branch connections from the main cables.

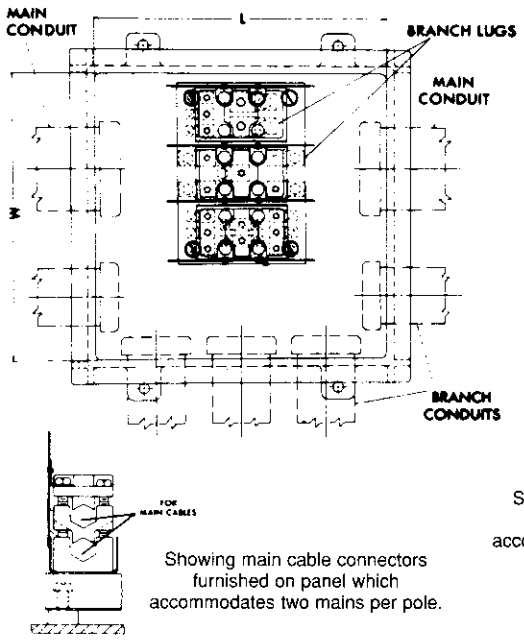
These distribution panels can also be mounted in any of the various types of square or rectangular enclosures shown in this catalog. Refer to factory.

Standard Construction:
- Enclosure of standard construction as listed on the Page showing the junction box which has been selected.
- Complete with distribution panel less the branch lugs. (Refer to Section LA for separate listing of lugs.)

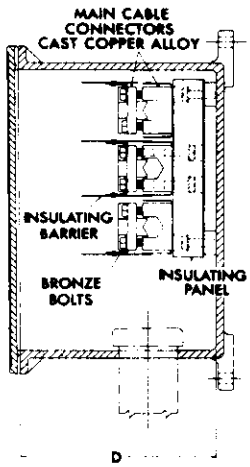
Note:
Each main connector will accommodate the following size and number of branch lugs:

Catalog Number	Number Branch Lugs Accommodated	Conductor Range Min	Max
XL 041	8 or 4	#8 Sol.	#4 Str.
XLH 011	2, 3 or 6	4 Sol.	1 Str.
XLH 221	4	1 Str.	2/0 Str.
XLH 241	2	2/0 Str.	4/0 Str.
XLH 301	1	4/0 Str.	300 Mcm

Type XL: Socket set screw
Type XLH: Hex set screw



Showing main cable connectors furnished on panel which accommodates two mains per pole.



Showing main cable connectors furnished on panel which accommodates single main per pole.

CAST IRON ENCLOSURES

With Type YF Catalog Number	With Type YE Catalog Number	No. of Poles	Number of Main Wire Per Pole	Cable Range Mains* Min	Max	Inside Dimensions of Enclosure (In.)** L x W x D	Main Conduits Max. No.	Size (In.)
YF-1950-324	YE-1950-324	3	1	1/0	4/0	12 x 12 x 8	2	3
YF-1950-350	YE-1950-350	3	1	250 Mcm	500 Mcm	12 x 12 x 8	2	3
YF-1950-424	YE-1950-424	4	1	1/0	4/0	14 x 14 x 8	2	3½
YF-1950-450	YE-1950-450	4	1	250 Mcm	500 Mcm	14 x 14 x 8	2	3½
YF-1950-624	YE-1950-624	3	2	1/0	4/0	18 x 12 x 10	4	3
YF-1950-650	YE-1950-650	3	2	250 Mcm	500 Mcm	18 x 12 x 10	4	3
YF-1950-824	YE-1950-824	4	2	1/0	4/0	18 x 18 x 10	4	3½
YF-1950-850	YE-1950-850	4	2	250 Mcm	500 Mcm	18 x 18 x 10	4	3½

CAST ALUMINUM ENCLOSURES

With Type YF Catalog Number	With Type YE Catalog Number	No. of Poles	Number of Main Wire Per Pole	Cable Range Mains* Min	Max	Inside Dimensions of Enclosure (In.)** L x W x D	Main Conduits Max. No.	Size (In.)
YF-1950-324A	YE-1950-324A	3	1	1/0	4/0	12 x 12 x 8	2	3
YF-1950-350A	YE-1950-350A	3	1	250 Mcm	500 Mcm	12 x 12 x 8	2	3
YF-1950-424A	YE-1950-424A	4	1	1/0	4/0	14 x 14 x 8	2	3½
YF-1950-450A	YE-1950-450A	4	1	250 Mcm	500 Mcm	14 x 14 x 8	2	3½
YF-1950-624A	YE-1950-624A	3	2	1/0	4/0	18 x 12 x 10	4	3
YF-1950-650A	YE-1950-650A	3	2	250 Mcm	500 Mcm	18 x 12 x 10	4	3
YF-1950-824A	YE-1950-824A	4	2	1/0	4/0	18 x 18 x 10	4	3½
YF-1950-850A	YE-1950-850A	4	2	250 Mcm	500 Mcm	18 x 18 x 10	4	3½

Notes to Tables:
*If all main wires do not fall within same range, specify range for each pole.
**If additional wiring space is required, larger enclosure can be furnished at additional cost.

Above Ground Connector Type Pull Boxes

Watertight - Raintight

Type YCW
Cast Iron Cover & Base

Type YCW-A
Cast Aluminum Cover with Cast Iron Base

Use:
To provide a convenient and compact above ground pull point. (For 600 Volt maximum service.)

Standard Construction:
- Type YCW cast Iron cover and base, hot dip galvanized.

Type YCW-A cast aluminum cover with cast Iron base, hot dip galvanized.
- Neoprene gasket
- Stainless steel studs, nuts and lock washers
- Three, four or six pole panel as listed
- Two drilled and tapped holes for conduit**
- Metal parts of panel are brass or bronze.

Insulating parts are nylon which will not support the growth of fungus.

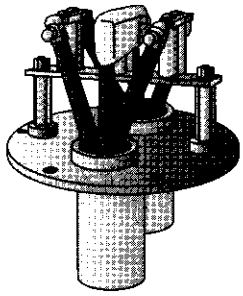
Third Party Certification:
UL Listed: E-24824
Raintight listing covers enclosing box only

Applicable Third Party Standards:
UL Standard: 50
NEMA 4

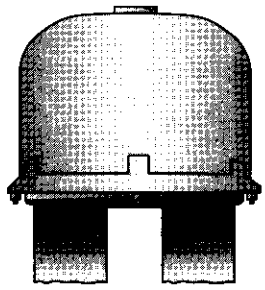
To Order Specify:
1 Catalog Number
2 Conduit size other than standard

Note:
Boxes can be supplied with Cast Aluminum cover and base. Add suffix "AA" after catalog number (Example: YCW 12AA).

See pages UA5-UA10 for instructions for ordering boxes and additional cost items.



Type YCW base with cover removed showing connected cables



Type YCW

Cast Aluminum Box & Panel Catalog Number	Box Only Catalog Number	Panel Only Catalog Number	Conductor Range Min.	Conductor Range Max.	No. of Conductors	Dimension in Inches: Max Size Conduit†	Dimension in Inches: Max. Distance Conduit Center to Conduit Center
YCW-12A-610*	YCW-12A	610	#18	#10	6	1¼	3
YCW-12A-304	YCW-12A	304	14 Sol.	4 Str.	3	1¼	3
YCW-20A-321	YCW-20A	321	4 Sol.	1/0 Str.	3	2	4
YCW-26A-324	YCW-26A	324	1/0 Str.	4/0 Str.	3	2½	5
YCW-31A-350	YCW-31A	350	4/0 Str.	500 Mcm	3	3	6
YCW-41A-392	YCW-41A	392	500 Mcm	1000 Mcm	3	4	7
YCW-26A-421**	YCW-26A	421	4 Sol.	1/0 Str.	4	2½	5
YCW-31A-424**	YCW-31A	424	1/0 Str.	4/0 Str.	4	3	6
YCW-41A-450**	YCW-41A	450	4/0 Str.	500 Mcm	4	4	7

*This panel is not illustrated. It consists of a six pole Bakelite terminal block mounted on special studs.
**These panels are similar to that illustrated, except they have provisions for four conductors.
†Unless otherwise specified, bases will be furnished with two drilled and tapped conduit entrances providing a minimum of five full threads for the maximum size conduit as listed. Smaller size drilled and tapped conduit entrances can be provided at no additional charge if specified. Where Watertight enclosure is not required, slip holes can be provided at no additional charge if specified. Additional D&T conduit entrances or slip-holes can be provided at additional cost within the space limitations of the base. Refer requirements to factory.

Above Ground Pull-N-Splice Type Pull Boxes

Watertight - Raintight

Type YPW
Cast Iron Cover & Base

Type YPW-A
Cast Aluminum Cover with Cast Iron Base

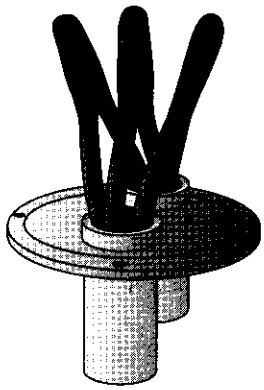
Use:
To provide a convenient and compact above ground pull point. (For 1000 to 5000 Volt service.)

Standard Construction:
- Type YPW - Cast iron cover and base, hot dip galvanized
- Type YPWA - Cast aluminum cover with cast iron base, hot dip galvanized
- Neoprene gasket
- Stainless steel studs, nuts and lock washers.

Third Party Certification:
UL Listed: E24824 Type 4 Raintight listing covers enclosing box only.

Applicable Third Party Standards:
UL Standard: 50
NEMA 4

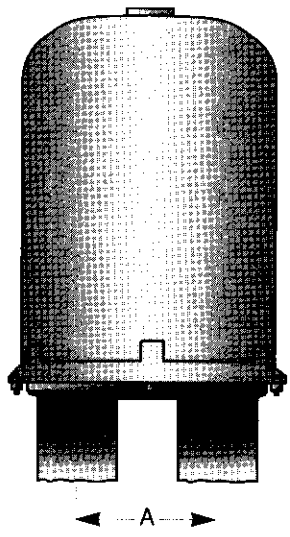
Note:
Boxes can be supplied with Cast Aluminum cover and base. Add suffix "AA" after catalog number. (Example: YPW-20AA.)



Type YPW base with cover removed showing spliced cables

Cast Iron Enclosures Catalog Number	Cast Aluminum Enclosures Catalog Number	Max. Size Conduit**	Conduit Centers "A"
YPW-20	YPW-20A	2"	4
YPW-26	YPW-26A	2½"	5
YPW-31	YPW-31A	3	6
YPW-41	YPW-41A	4	7

**Unless otherwise specified, bases will be furnished with two drilled and tapped conduit entrances providing a minimum of five full threads for the maximum size conduits as listed. Smaller size drilled and tapped conduit entrances can be provided at no additional charge if specified. Where watertight enclosure is required, slip-holes can be provided at no additional charge if specified. Additional D & T conduit entrances or slip holes can be provided at additional cost within the space limitations of the base. Refer requirements to factory.



Type YPW

Above Ground Pull Boxes

Watertight - Raintight

Type YBW

Cast Iron Cover & Base

Type YBW-A

Cast Aluminum Cover with Cast Iron Base

✔Denotes ESP Availability

Use:
This above ground pull box is for use with underground conduit. It provides sufficient space for the 180° cable loop resulting after both ends of the cable have been pulled. The cover is completely removable to allow maximum freedom in handling the cable during the pulling operation. This pull box also provides a convenient point for checking current with a clamp ammeter.

Standard Construction:
- Type YBW - Cast iron cover and base, hot dip galvanized
- Type YBWA - Cast aluminum cover with cast iron base, hot dip galvanized
- Neoprene gasket
- Stainless steel hex head cap screws
- Eye bolt provided on top of cover for YBW -36 and YBW-41 to facilitate handling

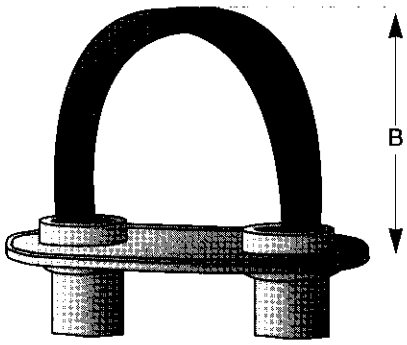
Third Party Certification:
UL Listed: Type 4 E24824
Raintight listing covers enclosing box only.

Applicable Third Party Standards:
UL Standard: 50
NEMA 4

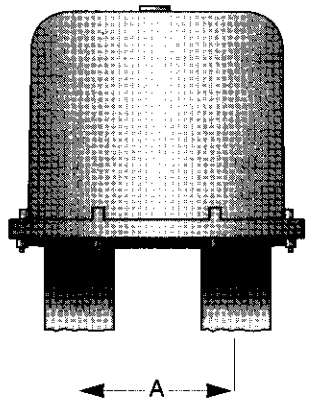
Note:
Boxes can be supplied with Cast Aluminum cover and base. Add suffix "AA" after Catalog Number. (Example: YBW-15AA.)

Insulated bushings are not furnished.

TO ORDER SPECIFY:
1 Catalog Number
2 Conduit size other than standard



Type YBW base with cover removed



Type YBW

Cast Iron Enclosures Catalog Number	Cast Aluminum Enclosures Catalog Number	Max. Size Conduit**	Conduit Centers "A"	Inside Height "B"
✔YBW-15	YBW-15A	1½"	5	6
✔YBW-26	YBW-26A	2½"	8	10
✔YBW-36	YBW-36A	3½"	12½	14
✔YBW-41	YBW-41A	4	16	18

**Unless otherwise specified, bases will be furnished with two drilled and tapped conduit entrances providing a minimum of five full threads for the maximum size conduits as listed. Smaller size drilled and tapped conduit entrances can be provided at no additional charge if specified. Where watertight enclosure is required, slip-holes can be provided at no additional charge if specified. Additional D & T conduit entrances or slip holes can be provided at additional cost within the space limitations of the base. Refer requirements to factory.

Mounting Lug Data

For Cast Iron & Cast Aluminum Boxes

Types YS, YS-A, YL, YL-A, YW, YW-A, YU, YW-T & YW-T-A
Refer to Fig. 1

Box Size in Inches L x W	Dimension in Inches A	B	Bolt Hole Dia. in Inches D
4 x 4	3	5⅜	5/16
5 x 5	4	6½	5/16
6 x 4	5	5⅜	5/16
6 x 6	4	7⅝	⅜
7 x 5	5	6½	⅜
8 x 4	5	5⅜	⅜
8 x 6	5	7⅝	⅜
8 x 8	5	9¾	⅜
9 x 6	6	7⅝	⅜
10 x 4	7	5⅜	⅜
10 x 5	7	6⅝	⅜
10 x 6	7	7¾	⅜
10 x 8	7	9¾	⅜
10 x 10	7	11¾	⅜
12 x 4	8	5⅜	⅜
12 x 6	8	8½	7/16
12 x 8	8	10½	7/16
12 x 10	8	12½	7/16
12 x 12	8	14½	7/16
14 x 8	10	10½	7/16
14 x 10	10	12½	7/16
14 x 14	10	16½	7/16
15 x 6	11	8⅝	7/16
15 x 8	11	10⅝	7/16
15 x 9	11	11½	7/16
15 x 10	11	12½	7/16
16 x 4	12	6½	7/16
16 x 10	12	12½	7/16
16 x 12	12	14½	7/16
16 x 16	12	18½	7/16
18 x 6	13	8½	7/16
18 x 8	13	10½	7/16
18 x 12	13	14½	7/16
18 x 14	13	16⅝	7/16
18 x 16	13	18⅝	7/16
18 x 18	13	20⅞	9/16
20 x 10	15	12⅝	9/16
20 x 20	15	22⅝	9/16
24 x 8	19	10¾	9/32
24 x 12	19	14¾	9/32
24 x 16	19	18¾	9/32
24 x 18	19	20¾	9/32
24 x 20	19	22¾	9/16
24 x 24	19	26⅞	9/16
28 x 12	22	14⅞	9/16
30 x 8	24	10¾	9/16
30 x 18	24	21	9/16
30 x 24	24	14⅞	9/16
34 x 30	28	32⅞	9/16
36 x 6	30	8⅝	9/16
36 x 12	30	14⅞	9/16
36 x 18	30	21	9/16
36 x 24	30	26⅞	9/16
36 x 30	30	32⅞	9/16
36 x 36	30	38⅞	9/16
48 x 6	42	8⅝	9/16

Types YF, YF-A, & YF
Refer to Fig. 1

Box Size in Inches L x W	Dimension in Inches A	B	Bolt Hole Dia. in Inches D
4 x 4	3	5⅜	5/16
5 x 5	4	6⅜	5/16
6 x 4	5	5⅜	5/16
6 x 6	4	7½	⅜
8 x 4	5	5½	⅜
8 x 6	5	7⅝	⅜
8 x 8	5	9⅝	⅜
10 x 6	7	7⅝	⅜
10 x 8	7	9¾	⅜
10 x 10	7	11⅝	⅜
12 x 4	8	5⅝	⅜
12 x 6	8	8⅜	7/16
12 x 8	8	10⅜	7/16
12 x 10	8	12⅜	7/16
12 x 12	8	14⅜	7/16
14 x 8	10	10⅜	7/16
14 x 14	10	16½	7/16
16 x 12	12	14½	7/16
16 x 16	12	18½	7/16
18 x 6	13	8½	7/16
18 x 8	13	10½	7/16
18 x 12	13	14⅜	7/16
18 x 18	13	20⅝	9/16
24 x 12	19	14⅝	9/16
24 x 18	19	20⅝	9/16
24 x 24	19	26⅛	9/16
28 x 12	22	14¾	9/16
30 x 24	24	26⅛	9/16
36 x 18	30	20⅛	9/16
36 x 24	30	26⅛	9/16
36 x 36	30	38⅛	9/16

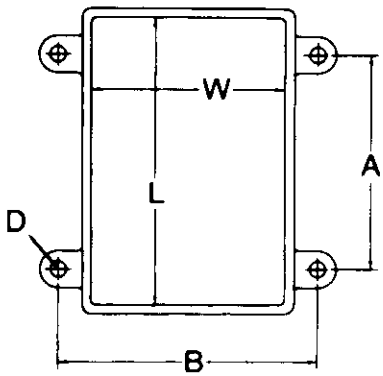


Fig. 1

The dimensions listed in these tables are approximate and may vary as much as ¼" in any direction. If closer tolerances are required or if other locations of the mounting lugs are desired, specify on the order or drawing.

Drilling Template for Junction Boxes

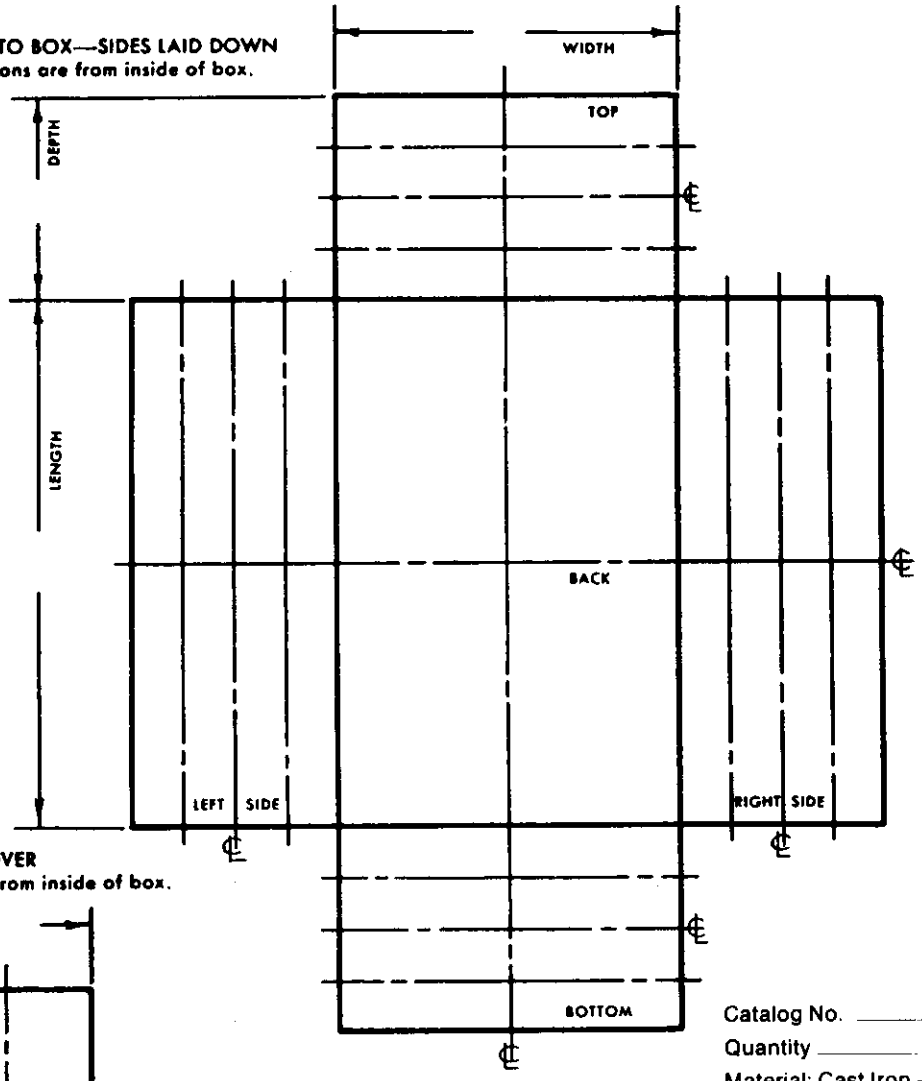
(FOR COPIER REPRODUCTION)

Distributor _____ **Order No.** _____

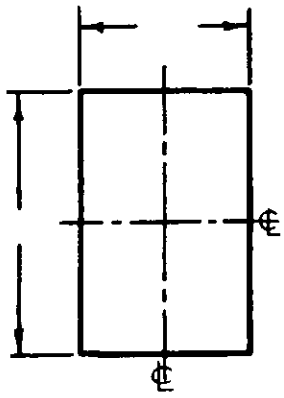
For _____ **Date** _____

Req. No. _____ **Mark Box** _____

LOOKING INTO BOX—SIDES LAID DOWN
All dimensions are from inside of box.



COVER
Dimensions are from inside of box.



(Outside View)

Gasket

Standard (Neoprene) ☐

Other _____

_____

Drilling Data

NOTE: If location of openings are not definitely dimensioned, they will be located at our discretion.

Slip-hole Only ☐
Drilled and Tapped ☐
Drilled and Tapped with Boss ☐
Boss Only ☐

Catalog No. _____
Quantity _____
Material: Cast Iron — H. D. G ☐
Cast Aluminum — — ☐

Mounting Lugs

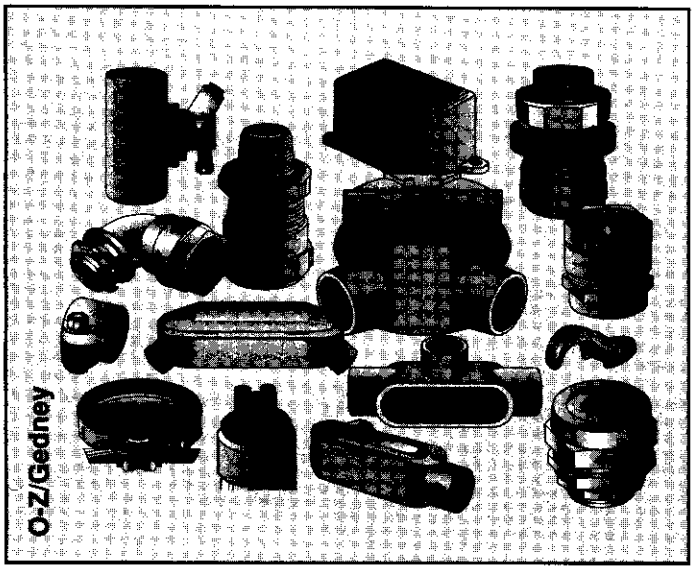
NOTE: Standard Mounting Lug spacings are shown on Page UA31.

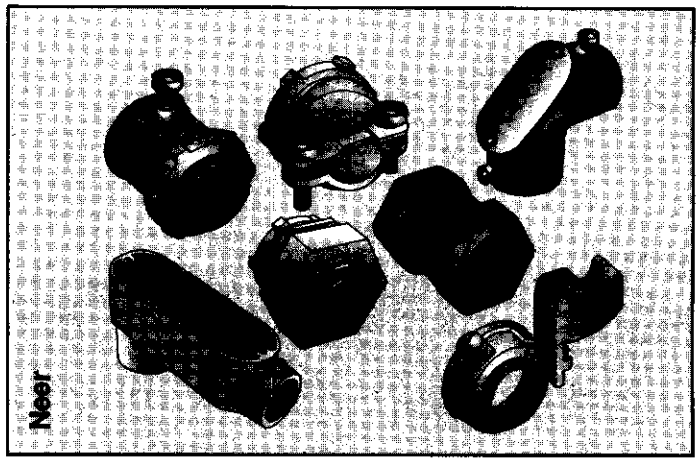
Req'd ☐ Not Req'd ☐
Standard Spacing ☐
Special Spacing ☐
(Locate on template)

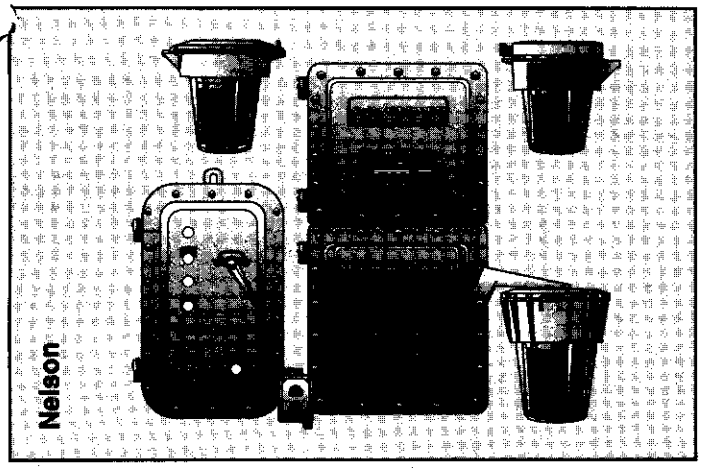
ADDITIONAL SPECIFICATIONS _____

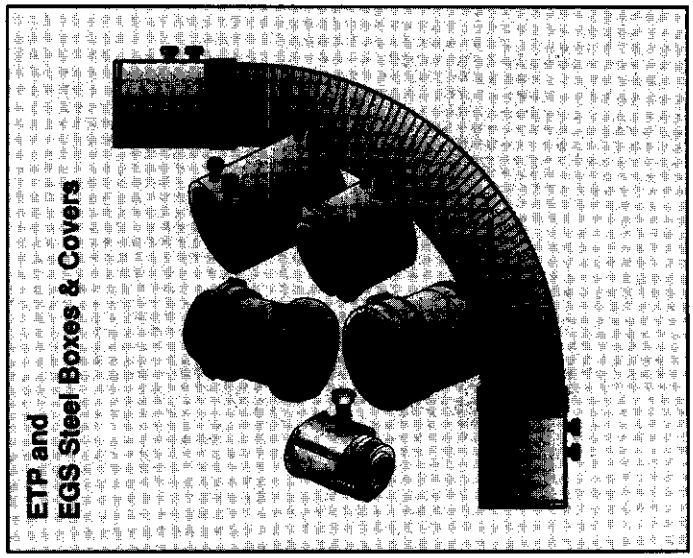
_____ Dwg. No. _____

ELECTRICAL CONSTRUCTION MATERIALS









PLEASE NOTE THIS INFORMATION IN THE O-Z/GEDNEY DISTRIBUTOR PRICE LIST:

- **For Steel boxes, ETP fittings, Neer, Cable Ties & Terminals, and Weatherproof Electrical Boxes, the manufacturer number is 687855. Other O-Z/Gedney products still will be identified by the 783126 prefix.**
- **The adders for "less than standard" quantities have been changed. Products in certain catalog sections that are ordered in less than standard quantities will be rounded up to a full carton quantity. Refer to pricing worksheet for details.**

EGS Electrical Group

O-Z/GEDNEY

Pricing Worksheet

Product Description	Catalog Section	Discount Multiplier	Comments
Form 7 Conduit Bodies & Covers	AA		
Malleable Iron Conduit Bodies & Covers	AB		
Aluminum Conduit Bodies & Covers	AC		
Aluminum & Iron Moguls	AD		
Iron & Aluminum FS/FD Covers	AE		
Malleable Iron Hazardous Location Fittings& Outlet Boxes	BA		
Aluminum Hazardous Location Fittings & Outlet Boxes	BB		
JMCX Cable Terminators	BC*		
Expansion/Deflection Fittings	CA*		
O-Z Spec Bushings	DA		
Standard Bushings/Locknuts	DB*		
Rigid Conduit Fittings	EA*		
Set Screw EMT Connectors	FA*		
Compression EMT Connectors	FB*		
Flexel	FC*		
Miscellaneous EMT Fittings	FD*		
4QS, 4QS-4, 4QS-9 Steel Liquidtite Connectors	FE*		
Steel Boxes and Covers	FF*		
Weatherproof Electrical Products	FG*		
4Q, 4Q-4, 4Q-9, Liquidtite Connectors	GA*		
4QL Groundtite Connectors	GB*		
4Q Galvanized Connectors	GC*		
Griptite, Gold Seal Strain Relief Connectors	HA*		
Aluminum Cord Grips	HB*		
NEER Zinc Die Cast Fittings	IA*		
Poke Thru Fire Seals	JA		
Speed-Lock	KA*		
MC/AC Flex Metal Conduit Connectors	KB*		
Split Bolts/Solderless Connectors	LA		
Grounding Fittings	MA		
Service Entrance Fittings	NA*		
Miscellaneous Product Cable Ties & Terminals	PA*		
Cable Supports	QA		
Cable Terminators/Sealing Bushings	RA		
Thru Wall/Floor Seals	SA		
JMC Connectors	TA*		
AC/MC Cable Terminators	TB		
Cast Junction Boxes	UA		
Hazardous Location Enclosures & Controls	V		
Industrial Lighting	W		

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*When ordering, order standard carton quantities only.
Orders for less than standard carton quantities will be rounded up and billed accordingly.

Distributor Price List DDS 01-1

EFFECTIVE JANUARY 15, 2001

SUPERSEDES AND CANCELS ALL PREVIOUS DISCOUNT SHEETS
DISCOUNTS AND LIST PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DISTRIBUTOR POLICY

It is the policy of the OZ/Gedney Company to sell through recognized O-Z/Gedney stocking Distributors who actively stock, promote and sell our full-line of products. Stock levels are determined by Distributor size, sales volume, location, market position, and customer mix.

To support the efforts of our full line, stocking Distributors, we offer:

1. A full line of conduit and cable fittings, cast enclosures, and industrial lighting.
2. Current, up-to-date, easy-to-use product catalog, cross references and product literature.
3. Continued flow of new, innovative products.
4. National advertising.
5. Always available factory technical support.
6. Field-based technical and specification support.
7. Highly qualified local sales representatives.
8. Sales and product training for Distributor personnel.
9. Field-based inventories to support Distributor's stock.
10. Computerized local order entry and handling plus data communications for expediting.
11. Profitable Distributor margins.
12. Profitable project quotations.
13. Matrix Pricing.
14. Electronic Data Interchange (EDI) Order Processing.

For further information on O-Z/Gedney's Policies and specific sales programs, contact your local O-Z/Gedney Sales Representative.

***DISCOUNT CHANGE:** All discounts and multipliers used for O-Z/Gedney billing purposes will be rounded off to three (3) decimal points.

ORDER ACCEPTANCE: PURCHASER AGREES that all PURCHASE ORDERS and final contracts between the purchaser and the O-Z/Gedney Company are EXPRESSLY SUBJECT TO ALL TERMS AND CONDITIONS OF THIS DISCOUNT SHEET. All quotations and bids for contract and order acceptance are subject to final written approval by the O-Z/Gedney Company, Skokie, Illinois 60077.

NOTE: When ordering certain items, order standard carton quantities only. Orders for less than standard carton quantities will be rounded up to a full carton quantity and billed accordingly. Refer to pricing worksheet or specific catalog number in this index for details.

EGS O-Z/GEDNEY

Terms of Sale

1. QUALIFICATION
The mere possession of this Distributor Discount Schedule does not entitle the holder to the discounts stated herein.

2. CASH DISCOUNT
Invoices dated from the 25th of the month to and including those dated the 24th of the following month are subject to a cash discount of 2% if paid (postmarked) **on or before the 10th** of the subsequent month, **net** due the 24th of the same month; **a 1½% late payment charge will be applied to the unpaid balance if payment is not received (postmarked) by the 24th of the same month.** Cash discount does not apply to transportation, special packaging, or other special preparation or handling charges.

3. MINIMUM ORDER
A minimum charge of $150.00 Distributor net billing, plus transportation charges will be made for each order. Orders may include products from any and all classes of O-Z/Gedney materials.

4. ADDITIONS TO ORDERS
Additions to orders already processed cannot be made. Such orders will be considered as new orders for determination of freight charges and meeting requirements for minimum order billing.

5. SHIPMENTS AND FREIGHT CHARGES
All O-Z/Gedney Company shipments are F.O.B. shipping point. Freight charges are prepaid via carrier of our choice to any Distributor's city in the U.S. on all orders exceeding **$1500.00** Distributor net billing. O-Z/Gedney Company will not assume, allow or pay any charges for cartage, or store door delivery at destination. Orders for meeting freight prepaid requirements may include any and all classes of O-Z/Gedney products. In the case of partial shipments, or shipments to more than one destination, made at Distributor's request, freight will be allowed only if each separate shipment exceeds **$1500.00** Distributor **net** billing.

Orders not exceeding **$1500.00** Distributor net billing will be shipped prepaid and charged, except for direct to jobsite shipments which will be shipped freight prepaid and charged unless otherwise requested. On all pre-paid or collect shipments, O-Z/Gedney Company will not allow, assume or refund to the customer any freight charges erroneously paid by the customer.

Shipments to points outside the U.S. are F.O.B. shipping point, with transportation charges prepaid via carrier of our choice to point of U.S. debarkation on all orders exceeding **$1500.00** Distributor net billing.

Delivery Terms on Poles: All poles, brackets, and accessories are shipped F.O.B. manufacturer, no freight allowed.

6. EXPORT PACKING
Export packing available at extra charge of 5% of Distributor net order value with minimum charge of $50.00.

7. SPECIAL ROUTING REQUESTS
In the event of special routing requests by Distributor such as Air Freight, Air Express, Special Truck, etc. all shipments will be made freight collect, except for direct to jobsite shipments which will be shipped freight prepaid and charged unless otherwise requested. Copies of the Bill of Lading for any shipment will be provided upon written request. Where the total weight of the requested shipment exceeds **$1500.00** Net Distributor billing, a credit will be issued on request equal to freight charges via the cheapest way.

8. PRICES
All published or quoted prices, discounts, terms and conditions are subject to change without notice.

All orders are accepted with the understanding that the material will be shipped and invoiced at prices in effect at time of shipment.

All prices and discounts quoted or bid and the acceptance of all orders and contracts are subject to the final approval of the Home Office of O-Z/Gedney Company, Skokie, Illinois.

9. TAXES
The amount of any applicable present of future tax or other government charges upon the production, sale, shipment or use of O-Z/Gedney goods ordered or sold will be added to invoices unless the Distributor provides us with an appropriate exemption certificate.

10. CANCELLATION, SUSPENSION AND RETURN GOODS
Orders may be cancelled or suspended only with O-Z/Gedney's written consent and upon terms that will indemnify O-Z/Gedney against loss. Orders involving non-catalog listed items, special specifications or excessive quantities of standard items may not be cancelled. On orders involving special specifications or on items not appearing in our catalog, O-Z/Gedney reserves the right to ship and invoice a 10% quantity variance above or below the specified quantity on the order. Material may be returned for credit only as outlined in the O-Z/Gedney "Return Goods" policy. Credit will be issued in the form of material credit only. Cash refunds will not be made.

11. PAYMENT & FINANCIAL RESPONSIBILITY
Pro rata payments shall become due with partial shipments. Where the Distributor is responsible for any delay in shipment, the date of completion of goods may be treated by O-Z/Gedney as the date of shipment for purposes of payment; completed goods shall be held at the Distributor's cost and risk, and O-Z/Gedney shall have the right to invoice for reasonable storage and insurance expenses. O-Z/Gedney may decline to deliver except for cash, stop goods in transit, whenever, for any reason, doubt as to a Distributor's financial responsibility develops.

12. PACKAGING
Material will be packaged as O-Z/Gedney deems proper for protection against normal handling and an extra charge may be made for preservation, waterproofing, palletization, and similar protection of goods.

13. BLANKET ORDERS AND STANDING ORDERS
Our experience has proven that blanket orders or blanket instructions filed with O-Z/Gedney Company by its various customers cannot be effectively handled. Therefore, O-Z/Gedney will not accept standing, general or blanket orders or instructions. Each order will be treated as a separate transaction and must be accompanied by full instructions on the order itself.

Continued on next page

Terms of Sale *(Continued)*

14. ERRORS AND SPECIAL TERMS ON DISTRIBUTOR PURCHASE ORDERS

For their own convenience, some Distributors follow the practice of placing prices, discounts and terms on their purchase orders, with the expectation that O-Z/Gedney Company will verify such prices, discounts and terms before accepting and entering the order. Such verification would cause unnecessary clerical work and delay.

Correct prices, discounts and terms on O-Z/Gedney products are a matter of record with its Distributors; therefore, in accepting orders, O-Z/Gedney Company does so with the understanding and agreement that material will be billed at the correct prices, discounts and terms, even through incorrect prices, discounts or terms may appear on the Distributor's purchase order.

O-Z/Gedney Company will assume complete responsibility for any and all pricing and billing errors it makes. However, it will not assume responsibility for any special prices, discounts, or terms of sale that appear on a Distributor's purchase order that conflict with its own published or established prices, discounts, and terms of sale.

15. CLAIMS FOR SHORTAGES

All claims must be reported in writing to the Home Office of O-Z/Gedney Company, Skokie, Illinois within the thirty days after receipt of shipment at destination. Claims not reported within the time period will not be allowed.

16. CLAIMS FOR DAMAGES OR LOSS IN TRANSPORTATION OR PRICE CORRECTIONS

All O-Z/Gedney shipments are made F.O.B. point of shipment. Title to the goods and risk of loss passes to the purchaser on delivery to the common carrier at the shipping point. Any claim for loss or damage in transit should be filed by the consignee with the transportation company involved. We will not be responsible for breakage after having received "in good order" receipts from the transportation company. Acceptance of material from a common carrier constitutes a waiver of any claim against O-Z/Gedney for delay, damage, shortage or loss.

17. SPECIAL ORDERS

On orders for special items we reserve the right to ship and invoice a quantity variance of 10% above or below the specified quantity on the order.

Orders for **Cast Junction Boxes**, special items not listed in our current catalog, catalog items modified to customer specifications, and unusual quantities of a standard catalog item made especially for an order are accepted only on a **non-cancellable, non-returnable** basis.

18. DELIVERY

Delivery and shipment dates are estimated dates only, and unless otherwise specified, are figured from date of receipt of order. All quotations and agreements as to deliveries and other matters, including the acceptance of all orders and estimation of all delivery dates, are subject to all present and future Federal and Provincial laws, rulings, and regulations, and are also subject to strikes, labor stoppages, fires, accidents, and all other causes beyond our control. In estimating such dates, no allowance has been made nor shall we be liable directly or indirectly for, delays of carriers or delays from labor difficulties, shortages, strikes or stoppages of any sort, fires, accidents, failure or delay in obtaining materials or manufacturing facilities, acts of government affecting us directly of indirectly, bad weather, or any causes beyond our control or causes designated Act of God or force majeure by any court of law, and the estimated delivery date shall be extended accordingly. We will not be liable and the estimated delivery date shall be extended accordingly. We will not be liable for any damages, or penalties whatsoever, whether direct, indirect, special or consequential, resulting from our failure to perform or delay in performing unless otherwise agreed in writing by an authorized officer. Acceptance of material from a common carrier constitutes a waiver of any claim against O-Z/Gedney for delay or damage, shortage or loss.

19. GUARANTEE

Products of O-Z/Gedney Company are guaranteed against mechanical, electrical and physical defects for a period of one year from the date of shipment to the Distributor.

We assume no responsibility for the improper selection or installation of our products.

New parts will be furnished free of charge in exchange for parts which have proven to be defective, providing such defective parts are called to our attention in writing within thirty days after receipt of material by original purchaser. The furnishing of such new parts shall constitute complete fulfillment of the company's obligations and liabilities.

No other obligations–The above warranty regarding materials and workmanship expresses all our obligations and liabilities with respect to items or parts furnished by us. All other warranties expressed or implied including warranties of merchantability or warranties of fitness for any particular purpose we hereby disclaim. We will not allow or be liable, under any circumstances, for any special, indirect, incidental or consequential damages or claims arising out of the supply or use of any parts or apparatus furnished by us.

The obligation of O-Z/Gedney under this guarantee and under all other warranties is limited to the furnishing of new parts free of charge in exchange for parts which have proven defective and does not include any other costs such as of removal of defective part, installation, labor or consequential damages of any kind, the exclusive remedy being to require such new parts to be furnished.

We assume no responsibility for splices or terminations since their adequacy will depend upon the skill and care exercised by the installer who makes them.

We assume no responsibility for field modifications of any kind made to any of our products.

20. OSHA

Unless specifically agreed in writing, Supplier does not warrant or represent that any of its products by themselves or in a system or other equipment will conform to or comply with the provisions of the Occupational Safety and Health Act of 1970 and the standards and regulations issued thereunder, or any other federal, state or local law or regulation of the same or similar nature.

21. FAIR LABOR STANDARDS ACT

Seller represents that with respect to the production of the articles and/or the performance of the services covered by its invoices, it has fully complied with Section 12(A) of the Fair Labor Standards Act of 1938, as amended in its entirety.

22. UNAUTHORIZED PAYMENTS

O-Z/Gedney Company does not authorize or condone any special or unlawful payments or treatment of any kind as a method of securing business of any kind, domestic or international.

Standard Return Goods Policy

The O-Z/Gedney Program allows the Distributor the flexibility required to carry a complete inventory of our products with a minimum exposure of inventory obsolescence.

O-Z/Gedney will accept items of its manufacture for material credit from a **Distributor's stock** subject to the following conditions:

1. Authorization to return material must be entitled by the local O-Z/Gedney Sales Representative. Material cannot be returned by the distributor until RMA authorization notification and factory issued RMA form are received.
2. All RMA products must be; currently cataloged items, new, resalable condition, unopened O-Z/Gedney cartons.
3. Material purchased more than 12 months prior to the RMA request will not be allowed.
4. Materials not allowed Return Material Authorization; special items not in the catalog, modified cast junction boxes and other enclosures, cadmium plated products, catalog items modified to customer specifications.
5. O-Z/Gedney will issue credit at the purchased price less cash discount, restocking and refurbishing charge where required. If an invoice for the material is not provided, credit will be issued at two price sheets back at your current into stock price levels for commonly stocked items and negotiated for all others.Credit will be issued in the form of material credit only.
6. Credit will be issued only on the quantities actually received by O-Z/Gedney. No unauthorized materials will be accepted.
7. Returns must be shipped freight prepaid to O-Z/Gedney, accompanied by the issued RMA form. All returns are subject to inspection and final credit approval.
8. Material must be returned within sixty (60) days of RMA issuance or the RMA will be void.
9. Materials returned which do not meet this RMA policy will be scrapped with no credit allowed.

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
0.35	A-50	00300	DA	100	500	1	A
0.42	A-75	00303	DA	100	500	2	A
0.64	A-100	00306	DA	50	200	4	A
1.17	A-125	00309	DA	25	125	6	B
1.47	A-150	00312	DA	25	100	7	B
1.97	A-200	00315	DA	20	100	11	B
3.98	A-250	00318	DA	10	40	15	C
4.22	A-300	00321	DA	10	40	19	C
5.46	A-350	00324	DA	5	25	25	C
6.51	A-400	00327	DA	5	20	28	C
14.04	A-500	00330	DA	-	10	48	C
27.99	A-600	00333	DA	-	10	63	C
1.97	AB-50	00500	DA	100	500	1	A
3.61	AB-75	00503	DA	50	500	2	A
4.71	AB-100	00506	DA	50	250	4	A
6.71	AB-125	00509	DA	50	200	5	B
9.06	AB-150	00512	DA	25	100	6	B
12.18	AB-200	00515	DA	10	50	10	B
20.34	AB-250	00518	DA	5	25	17	C
30.11	AB-300	00521	DA	5	25	27	C
38.95	AB-350	00524	DA	5	25	34	C
49.99	AB-400	00527	DA	5	25	44	C
78.89	AB-500	00533	DA	-	5	78	C
109.22	AB-600	00535	DA	2	10	100	C
1.78	ABB-50	00700	DA	50	500	3	A
2.43	ABB-75	00703	DA	50	500	4	A
3.89	ABB-100	00706	DA	50	250	7	A
4.24	ABB-125	00709	DA	25	125	11	B
5.56	ABB-150	00712	DA	25	125	14	B
8.88	ABB-200	00715	DA	10	50	22	B
11.46	ABB-250	00718	DA	5	25	35	C
15.33	ABB-300	00721	DA	5	25	42	C
17.72	ABB-350	00724	DA	5	25	52	C
24.82	ABB-400	00727	DA	-	10	58	C
41.50	ABB-500	00730	DA	-	10	83	C
56.52	ABB-600	00733	DA	-	10	108	C
18.00	ABG-0204	00800	MA	25	100	50	-
19.72	ABG-0222	00803	MA	25	100	60	-
18.69	ABG-0304	00806	MA	25	100	55	-
19.63	ABG-0322	00809	MA	20	100	65	-
21.03	ABG-0325	00812	MA	10	50	80	-
32.14	ABG-0350	00815	MA	5	25	150	-
26.43	ABG-0704	00818	MA	20	100	60	-
27.48	ABG-0722	00821	MA	10	50	70	-
29.67	ABG-0725	00824	MA	10	50	90	-
43.02	ABG-0750	00827	MA	5	25	170	-
27.48	ABG-1104	00830	MA	10	50	65	-
28.35	ABG-1122	00833	MA	10	50	75	-
29.67	ABG-1125	00836	MA	10	50	100	-
46.19	ABG-1150	00839	MA	5	25	180	-
27.48	ABG-1204	00842	MA	10	50	80	-
29.67	ABG-1222	00845	MA	10	50	120	-
31.99	ABG-1225	00848	MA	10	50	200	-
52.80	ABG-1250	00851	MA	5	25	80	-
29.67	ABG-1504	00854	MA	10	50	90	-
31.90	ABG-1522	00857	MA	10	50	110	-
33.86	ABG-1525	00860	MA	5	25	130	-
52.80	ABG-1550	00863	MA	5	25	210	-
21.47	• ABJ-10-14	01103	CA	-	1	80	C
25.89	• ABJ-10-24	01119	CA	-	1	80	C
21.25	• ABJ-12-14	01106	CA	-	1	87	B
25.65	• ABJ-12-24	01134	CA	-	1	87	B
26.58	• ABJ-15-14	01108	CA	-	1	90	C
30.67	• ABJ-15-24	01138	CA	-	1	90	C
26.58	• ABJ-20-14	01109	CA	-	1	120	C
30.67	• ABJ-20-24	01149	CA	-	1	120	C
36.77	• ABJ-25-14	01112	CA	-	1	130	C
41.95	• ABJ-25-24	01139	CA	-	1	130	C
36.77	• ABJ-30-14	01114	CA	-	1	180	C
41.95	• ABJ-30-24	01153	CA	-	1	180	C
58.62	• ABJ-35-14	01115	CA	-	1	230	C
58.17	• ABJ-35-24	01156	CA	-	1	230	C
58.06	• ABJ-40-14	01118	CA	-	1	250	B
61.88	• ABJ-40-24	01148	CA	-	1	250	B
97.21	• ABJ-50-14	01117	CA	2	10	280	C
109.41	• ABJ-50-24	01157	CA	2	10	280	C
109.41	• ABJ-60-24	01154	CA	-	1	350	C
19.63	• ABJ-0507-14	01100	CA	-	1	62	C
22.07	• ABJ-0507-24	01124	CA	-	1	62	C
5.45	ABLG-0504	01120	DA	50	500	6	A
6.09	ABLG-0522	01121	DA	50	500	3	A
6.54	ABLG-0704	01122	DA	50	500	9	A
9.67	ABLG-0722	01123	DA	50	250	13	A
7.99	ABLG-1104	01125	DA	25	250	13	A
11.36	ABLG-1122	01126	DA	25	250	16	A
9.51	ABLG-1204	01127	DA	25	100	17	B
12.13	ABLG-1222	01128	DA	25	100	20	B
11.03	ABLG-1504	01130	DA	25	100	20	B
13.62	ABLG-1522	01131	DA	25	100	24	B
13.67	ABLG-2004	01132	DA	10	50	32	B
16.36	ABLG-2022	01133	DA	10	50	36	B
21.90	ABLG-2604	01135	DA	5	25	50	C
24.07	ABLG-2622	01136	DA	5	25	54	C
28.89	ABLG-2624	01137	DA	5	25	66	C
31.65	ABLG-3104	01140	DA	5	25	82	C
33.54	ABLG-3122	01141	DA	5	25	86	C
38.24	ABLG-3124	01142	DA	5	25	98	C
40.53	ABLG-3604	01145	DA	5	25	100	C
42.62	ABLG-3622	01146	DA	5	25	110	C
47.28	ABLG-3624	01147	DA	5	25	120	C
51.32	ABLG-4104	01150	DA	5	25	140	C
53.32	ABLG-4122	01151	DA	5	25	140	C
57.98	ABLG-4124	01152	DA	5	25	150	C
81.73	ABLG-5104	01160	DA	-	5	240	C
82.33	ABLG-5122	01161	DA	-	5	240	C
85.27	ABLG-5124	01162	DA	-	5	250	C
125.56	ABLG-6104	01165	DA	2	10	310	C
125.64	ABLG-6122	01166	DA	2	10	105	C
129.04	ABLG-6124	01167	DA	2	10	320	C
2.03	• AC-38	01495	KB	50	200	11	A
2.46	• AC-38T	01500	KB	50	200	11	A
3.28	• AC-50	01505	KB	25	100	21	A
4.05	• AC-50T	01510	KB	25	100	21	A
4.69	• AC-75	01515	KB	10	50	28	A
5.75	• AC-75T	01520	KB	10	50	28	A
6.64	• AC-100	01525	KB	5	25	57	A
8.16	• AC-100T	01530	KB	5	25	57	A
12.35	• AC-125	01535	KB	5	10	88	B
15.70	• AC-125T	01540	KB	5	10	88	B
21.40	• AC-150	01545	KB	2	10	169	B
27.65	• AC-150T	01550	KB	2	10	169	B
26.62	• AC-200	01555	KB	1	5	275	B
36.66	• AC-200T	01560	KB	1	5	275	B
72.61	• AC-250	01565	KB	-	2	600	C
96.72	• AC-250T	01570	KB	-	2	600	C
94.60	• AC-300	01575	KB	-	1	767	C

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122.85	• AC-300T	01580	KB	-	1	767	C
206.79	• AC-350	01585	KB	-	1	1338	C
357.64	• AC-350T	01590	KB	-	1	1338	C
384.98	• AC-400	01592	KB	-	1	1963	C
536.36	• AC-400T	01593	KB	-	1	2075	C
15.21	ACKTN	13243	W	-	1	150	-
2.43	• ACV-50	02035	KB	25	100	23	A
3.11	• ACV-50T	02040	KB	25	100	23	A
3.84	• ACV-75	02055	KB	10	50	31	A
4.67	• ACV-75T	02060	KB	10	50	31	A
1.38	• ACV-938	02065	KB	50	200	12	A
1.91	• ACV-938T	02070	KB	50	200	11	A
31.40	AHG5050N	13689	W	5	25	174	-
31.28	AHG7550N	13690	W	5	25	184	-
31.32	AHG7575N	13691	W	5	25	171	-
11.53	ALA50N	13669	W	5	25	116	-
11.53	ALA75N	13670	W	5	25	128	-
11.53	ALC50N	13671	W	5	25	124	-
11.71	ALC75N	13672	W	5	25	124	-
18.07	ALC100N	13673	W	5	25	145	-
12.57	ALL50N	13674	W	5	25	107	-
12.57	ALL75N	13675	W	5	25	112	-
2.55	• ALS-50-525	02080	KB	50	500	7	A
13.38	ALT50N	13676	W	5	25	120	-
13.38	ALT75N	13677	W	5	25	126	-
19.24	ALT100N	13678	W	5	25	172	-
73.51	APK-10	00104	TB	-	1	70	-
73.51	APK-12	00105	TB	-	1	70	-
73.51	APK-15	00106	TB	-	1	70	-
73.51	APK-20	00107	TB	-	1	70	-
110.76	APK-25	00108	TB	-	1	150	-
110.76	APK-30	00109	TB	-	1	150	-
150.69	APK-35	00110	TB	-	1	220	-
150.69	APK-40	00111	TB	-	1	220	-
194.36	APK-45	00112	TB	-	1	390	-
194.36	APK-50	00113	TB	-	1	390	-
50.82	• AX-8-100	02506	CA	-	5	440	C
67.03	• AX-8-100A	00135	CA	-	1	-	C
66.52	• AX-8-125	02509	CA	-	5	520	B
86.56	• AX-8-125A	00136	CA	-	1	-	B
83.67	• AX-8-150	02512	CA	-	5	720	C
122.61	• AX-8-150A	00137	CA	-	1	-	C
131.26	• AX-8-200	02515	CA	-	2	1030	C
173.33	• AX-8-200A	00138	CA	-	1	-	C
222.02	• AX-8-250	02518	CA	-	2	1170	C
290.67	• AX-8-250A	00139	CA	-	1	-	C
271.80	• AX-8-300	02521	CA	-	2	1550	C
360.17	• AX-8-300A	00140	CA	-	1	-	C
406.61	• AX-8-350	02524	CA	-	1	1950	C
528.67	• AX-8-350A	00141	CA	-	1	-	C
468.97	• AX-8-400	02527	CA	-	1	2400	B
615.67	• AX-8-400A	00142	CA	-	1	-	B
34.96	• AX-8-50	02500	CA	-	10	270	C
45.41	• AX-8-50A	00133	CA	-	1	-	C
696.82	• AX-8-500	02530	CA	-	1	3300	C
897.28	• AX-8-500A	00143	CA	-	1	-	C
41.36	• AX-8-75	02503	CA	-	10	320	B
53.90	• AX-8-75A	00134	CA	-	1	-	B
31.66	• AX-50	02300	CA	5	25	170	C
41.69	• AX-50A	00122	CA	5	25	-	C
36.48	• AX-75	02303	CA	5	25	200	A
47.38	• AX-75A	00123	CA	5	25	-	A
44.22	• AX-100	02306	CA	2	10	280	B

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
57.48	• AX-100A	00124	CA	2	10	-	B
58.80	• AX-125	02309	CA	2	10	350	B
77.62	• AX-125A	00125	CA	2	10	-	B
80.74	• AX-150	02312	CA	2	10	500	B
105.91	• AX-150A	00126	CA	2	10	-	B
120.09	• AX-200	02315	CA	1	5	700	B
156.67	• AX-200A	00127	CA	1	5	-	B
193.49	• AX-250	02318	CA	1	5	800	C
255.28	• AX-250A	00128	CA	1	5	-	C
235.84	• AX-300	02321	CA	-	4	1100	C
305.24	• AX-300A	00129	CA	-	4	-	C
347.60	• AX-350	02324	CA	-	4	1450	C
458.75	• AX-350A	00130	CA	-	4	-	C
409.73	• AX-400	02327	CA	-	4	1850	B
540.80	• AX-400A	00131	CA	-	4	-	B
599.98	• AX-500	02330	CA	-	2	2250	C
783.53	• AX-500A	00132	CA	-	2	-	C
214.27	• AXDX-50	02600	CA	-	1	410	C
230.50	• AXDX-75	02601	CA	-	1	460	B
270.40	• AXDX-100	02602	CA	-	1	610	C
303.61	• AXDX-125	02603	CA	-	1	735	B
369.38	• AXDX-150	02604	CA	-	1	945	C
459.42	• AXDX-200	02605	CA	-	1	1365	C
628.42	• AXDX-250	02606	CA	-	1	1720	C
779.91	• AXDX-300	02607	CA	-	1	2290	C
1012.75	• AXDX-350	02608	CA	-	1	2890	C
1170.61	• AXDX-400	02609	CA	-	1	3520	B
1788.89	• AXDX-500	02610	CA	-	1	4250	C
1.24	B-50	02900	DA	100	500	4	A
1.87	B-75	02903	DA	50	500	6	A
2.70	B-100	02906	DA	50	250	11	A
4.10	B-125	02909	DA	50	200	15	B
4.99	B-150	02912	DA	25	100	18	B
7.19	B-200	02915	DA	10	50	30	B
12.58	B-250	02918	DA	5	25	48	C
17.00	B-300	02921	DA	5	25	80	C
21.99	B-350	02924	DA	5	25	98	C
27.00	B-400	02927	DA	5	25	130	C
56.74	B-500	02933	DA	-	5	230	C
87.77	B-600	02936	DA	2	10	300	C
1.30	BB-50	03100	DA	100	500	1	A
1.52	BB-75	03103	DA	50	500	2	A
1.93	BB-100	03106	DA	50	200	3	A
2.42	BB-125	03109	DA	25	125	5	B
3.06	BB-150	03112	DA	25	100	7	B
3.80	BB-200	03115	DA	20	100	11	B
6.44	BB-250	03118	DA	10	50	19	C
9.47	BB-300	03121	DA	10	50	23	C
10.38	BB-350	03124	DA	5	25	27	C
14.79	BB-400	03127	DA	5	25	30	C
25.29	BB-500	03130	DA	-	15	35	C
27.55	BB-600	03133	DA	-	10	45	C
1.53	BBL-50	03300	DA	100	500	3	A
1.78	BBL-75	03303	DA	50	500	5	A
2.50	BBL-100	03306	DA	50	200	9	A
3.03	BBL-125	03309	DA	25	125	10	B
4.02	BBL-150	03312	DA	25	100	17	B
6.30	BBL-200	03315	DA	20	100	23	B
10.65	BBL-250	03318	DA	10	50	35	C
15.02	BBL-300	03321	DA	10	50	45	C
23.11	BBL-350	03324	DA	5	25	60	C
30.98	BBL-400	03327	DA	5	25	78	C
58.10	BBL-500	03330	DA	-	10	120	C

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85.57	BBL-600	03333	DA	-	10	135	C
2.54	BC-50G	03775	AB	20	100	12	A
3.09	BC-75G	03780	AB	20	100	17	A
4.88	BC-100G	03785	AB	20	100	34	A
6.61	BC-125G	03790	AB	25	50	71	A
9.43	BC-200G	03795	AB	10	20	133	A
13.70	BC-250G	03800	AB	-	1	240	A
20.74	BC-350G	03805	AB	-	5	460	B
2.77	BCC-50	03150	AB	20	100	31	A
3.30	BCC-75	03151	AB	20	100	46	A
5.35	BCC-100	03152	AB	20	100	55	A
7.08	BCC-125	03153	AB	10	50	102	A
10.40	BCC-200	03155	AB	5	25	212	A
12.15	BCC-250	03157	AB	-	5	445	A
18.46	BCC-350	03159	AB	-	5	610	B
14.96	BDT-38	00000	UA	-	-	-	-
15.77	BDT-50	00000	UA	-	-	-	-
17.99	BDT-75	00000	UA	-	-	-	-
18.81	BDT-100	00000	UA	-	-	-	-
21.58	BDT-125	00000	UA	-	-	-	-
24.22	BDT-150	00000	UA	-	-	-	-
30.03	BDT-200	00000	UA	-	-	-	-
43.04	BDT-250	00000	UA	-	-	-	-
62.21	BDT-300	00000	UA	-	-	-	-
69.89	BDT-350	00000	UA	-	-	-	-
97.31	BDT-400	00000	UA	-	-	-	-
131.07	BDT-450	00000	UA	-	-	-	-
187.12	BDT-500	00000	UA	-	-	-	-
272.68	BDT-600	00000	UA	-	-	-	-
22.07	BD2	00114	V	-	1	-	-
22.07	BD3	00115	V	-	1	-	-
22.07	BD4	00116	V	-	1	-	-
39.19	• BJ-0507-E-16	04036	CA	10	50	34	C
19.34	• BJ-0507-14	04000	CA	10	50	65	C
21.76	• BJ-0507-24	04018	CA	10	50	68	C
42.95	• BJ-1012-E-16	04039	CA	5	25	46	C
21.17	• BJ-1012-14	04003	CA	10	50	85	C
25.52	• BJ-1012-24	04021	CA	5	25	91	C
53.07	• BJ-1520-E-16	04042	CA	5	25	70	C
26.12	• BJ-1520-14	04006	CA	5	25	123	C
30.24	• BJ-1520-24	04024	CA	5	25	137	C
73.53	• BJ-2530-E-16	04045	CA	2	10	96	C
36.26	• BJ-2530-14	04009	CA	2	10	175	C
41.35	• BJ-2530-24	04027	CA	2	10	188	C
117.39	• BJ-3540-E-16	04048	CA	2	10	132	C
57.25	• BJ-3540-14	04012	CA	2	10	237	B
60.80	• BJ-3540-24	04030	CA	2	10	259	B
194.81	• BJ-5060-E-16	04051	CA	-	5	191	C
97.21	• BJ-5060-14	04015	CA	-	5	346	C
109.41	• BJ-5060-24	04033	CA	-	5	376	C
19.12	BJ50N	13679	W	5	50	34	-
19.12	BJ75N	13680	W	5	50	28	-
203.12	BKR222A	00117	V	-	1	-	-
252.10	BKR222ABCD	00118	V	-	1	-	-
203.12	BKR222B	00120	V	-	1	-	-
219.37	BKR222BC	00121	V	-	1	-	-
252.10	BKR231ABCD	00156	V	-	1	-	-
219.37	BKR231BD	00157	V	-	1	-	-
252.10	BKR231CCDD	00158	V	-	1	-	-
219.37	BKR231CD	00159	V	-	1	-	-
205.82	BKR222AB	11154	V	-	1	-	-
252.10	BKR232CCDD	00160	V	-	1	-	-
219.37	BKR232CD	00161	V	-	1	-	-

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252.10	BKR234CCDD	00162	V	-	1	-	-
219.37	BKR234CD	00163	V	-	1	-	-
203.12	BKS222A	00164	V	-	1	-	-
219.37	BKS222AB	11153	V	-	1	-	-
252.10	BKS222ABCD	00165	V	-	1	-	-
203.12	BKS222B	00167	V	-	1	-	-
219.37	BKS222BC	00168	V	-	1	-	-
252.10	BKS231ABCD	00169	V	-	1	-	-
219.37	BKS231BD	00170	V	-	1	-	-
252.10	BKS231CCDD	00171	V	-	1	-	-
219.37	BKS231CD	00172	V	-	1	-	-
252.10	BKS232CCDD	00173	V	-	1	-	-
219.37	BKS232CD	00174	V	-	1	-	-
252.10	BKS234CCDD	00175	V	-	1	-	-
219.37	BKS234CD	00176	V	-	1	-	-
4.06	BLG-0504	04200	DA	50	500	6	A
6.19	BLG-0522	04203	DA	50	500	10	A
5.01	BLG-0704	04206	DA	50	500	9	A
7.32	BLG-0722	04209	DA	50	250	13	A
6.04	BLG-1104	04212	DA	25	250	13	A
8.63	BLG-1122	04215	DA	25	250	16	A
7.19	BLG-1204	04218	DA	25	100	17	B
9.31	BLG-1222	04221	DA	25	100	20	B
8.42	BLG-1504	04224	DA	25	100	20	B
10.33	BLG-1522	04227	DA	25	100	24	B
10.48	BLG-2004	04230	DA	10	50	32	B
12.39	BLG-2022	04233	DA	10	50	36	B
16.68	BLG-2604	04236	DA	5	25	50	C
18.20	BLG-2622	04239	DA	5	25	54	C
22.19	BLG-2624	04242	DA	5	25	66	C
66.92	BLG-2650	04244	DA	5	25	108	C
21.60	BLG-3104	04245	DA	5	25	82	C
21.96	BLG-3122	04248	DA	5	25	86	C
26.34	BLG-3124	04251	DA	5	25	98	C
69.13	BLG-3150	04252	DA	5	25	14	C
25.76	BLG-3604	04254	DA	5	25	100	C
25.82	BLG-3622	04257	DA	5	25	110	C
30.85	BLG-3624	04260	DA	5	25	120	C
70.04	BLG-3650	04262	DA	5	25	1580	C
31.00	BLG-4104	04263	DA	5	25	140	C
31.22	BLG-4122	04266	DA	5	25	140	C
36.04	BLG-4124	04269	DA	5	25	150	C
72.87	BLG-4150	04272	DA	5	25	1980	C
62.82	BLG-5104	04281	DA	-	5	240	C
62.52	BLG-5122	04284	DA	-	5	240	C
64.69	BLG-5124	04287	DA	-	5	250	C
110.05	BLG-5150	04288	DA	-	5	2980	C
96.60	BLG-6104	04290	DA	2	10	310	C
96.66	BLG-6122	04293	DA	2	10	310	C
98.77	BLG-6124	04296	DA	2	10	320	C
126.39	BLG-6150	04298	DA	-	5	3680	C
177.39	BLP211A	00177	V	-	1	-	-
192.29	BLP211AB	00178	V	-	1	-	-
223.43	BLP211ABCD	00179	V	-	1	-	-
192.29	BLP211AD	00180	V	-	1	-	-
177.39	BLP211C	00181	V	-	1	-	-
192.29	BLP211CD	00182	V	-	1	-	-
177.39	BLP212A	00183	V	-	1	-	-
192.29	BLP212AB	00184	V	-	1	-	-
223.43	BLP212ABCD	00185	V	-	1	-	-
192.29	BLP212AD	00186	V	-	1	-	-
177.39	BLP212C	00187	V	-	1	-	-
192.29	BLP212CD	00188	V	-	1	-	-

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177.39	BLP213A	00189	V	-	1	-	-
192.29	BLP213AB	00190	V	-	1	-	-
223.43	BLP213ABCD	00191	V	-	1	-	-
192.29	BLP213AD	00192	V	-	1	-	-
177.39	BLP213C	00193	V	-	1	-	-
192.29	BLP213CD	00194	V	-	1	-	-
170.57	BLP214A	00195	V	-	1	-	-
184.89	BLP214AB	00196	V	-	1	-	-
214.84	BLP214ABCD	00197	V	-	1	-	-
184.89	BLP214AD	00198	V	-	1	-	-
170.57	BLP214C	00199	V	-	1	-	-
184.89	BLP214CD	00200	V	-	1	-	-
177.39	BLP215A	00201	V	-	1	-	-
192.29	BLP215AB	00202	V	-	1	-	-
223.43	BLP215ABCD	00203	V	-	1	-	-
192.29	BLP215AD	00204	V	-	1	-	-
177.39	BLP215C	00205	V	-	1	-	-
192.29	BLP215CD	00206	V	-	1	-	-
92.86	BMB211A	00207	V	-	1	-	-
108.99	BMB211AB	00208	V	-	1	-	-
140.83	BMB211ABCD	00209	V	-	1	-	-
108.99	BMB211AD	00210	V	-	1	-	-
92.86	BMB211C	00211	V	-	1	-	-
108.99	BMB211CD	00212	V	-	1	-	-
100.14	BMB212A	00213	V	-	1	-	-
116.15	BMB212AB	00214	V	-	1	-	-
150.31	BMB212ABCD	00215	V	-	1	-	-
116.15	BMB212AD	00216	V	-	1	-	-
100.14	BMB212C	00217	V	-	1	-	-
116.15	BMB212CD	00218	V	-	1	-	-
92.86	BMB221A	00219	V	-	1	-	-
108.99	BMB221AB	00220	V	-	1	-	-
140.83	BMB221ABCD	00221	V	-	1	-	-
108.99	BMB221AD	00222	V	-	1	-	-
92.86	BMB221C	00223	V	-	1	-	-
108.99	BMB221CD	00224	V	-	1	-	-
100.14	BMB222A	00225	V	-	1	-	-
116.15	BMB222AB	00226	V	-	1	-	-
150.31	BMB222ABCD	00227	V	-	1	-	-
116.15	BMB222AD	00228	V	-	1	-	-
100.14	BMB222C	00229	V	-	1	-	-
116.15	BMB222CD	00230	V	-	1	-	-
92.86	BMB231A	00231	V	-	1	-	-
108.99	BMB231AB	00232	V	-	1	-	-
140.83	BMB231ABCD	00233	V	-	1	-	-
108.99	BMB231AD	00234	V	-	1	-	-
92.86	BMB231C	00235	V	-	1	-	-
108.99	BMB231CD	00236	V	-	1	-	-
100.14	BMB232A	00237	V	-	1	-	-
116.15	BMB232AB	00238	V	-	1	-	-
150.31	BMB232ABCD	00239	V	-	1	-	-
116.15	BMB232AD	00240	V	-	1	-	-
100.14	BMB232C	00241	V	-	1	-	-
116.15	BMB232CD	00242	V	-	1	-	-
78.63	BPB21A	00243	V	-	1	-	-
94.72	BPB21AB	00244	V	-	1	-	-
126.89	BPB21ABCD	00245	V	-	1	-	-
94.72	BPB21AD	00246	V	-	1	-	-
78.63	BPB21C	00247	V	-	1	-	-
94.72	BPB21CD	00248	V	-	1	-	-
78.63	BPB22A	00249	V	-	1	-	-
94.72	BPB22AB	00250	V	-	1	-	-
126.89	BPB22ABCD	00251	V	-	1	-	-
94.72	BPB22AD	00252	V	-	1	-	-
78.63	BPB22C	00000	V	-	1	-	-
94.72	BPB22CD	00254	V	-	1	-	-
17.00	BPK-10	00255	TB	-	1	20	-
19.25	BPK-12	00256	TB	-	1	30	-
21.88	BPK-15	00257	TB	-	1	40	-
25.00	BPK-20	00258	TB	-	1	50	-
28.19	BPK-25	00259	TB	-	1	60	-
32.77	BPK-30	00260	TB	-	1	70	-
39.40	BPK-35	00261	TB	-	1	90	-
48.27	BPK-40	00262	TB	-	1	110	-
55.06	BPK-45	00263	TB	-	1	130	-
61.76	BPK-50	00264	TB	-	1	150	-
67.92	BPL211	00265	V	-	1	-	-
67.92	BPL212	00266	V	-	1	-	-
67.92	BPL213	00267	V	-	1	-	-
67.92	BPL215	00269	V	-	1	-	-
65.31	BPL214	00268	V	-	1	-	-
116.15	BPL221	00270	V	-	1	-	-
116.15	BPL222	00271	V	-	1	-	-
116.15	BPL223	00272	V	-	1	-	-
111.68	BPL224	00273	V	-	1	-	-
116.15	BPL225	00274	V	-	1	-	-
116.15	BPL241	00275	V	-	1	-	-
116.15	BPL242	00276	V	-	1	-	-
116.15	BPL243	00277	V	-	1	-	-
111.68	BPL244	00278	V	-	1	-	-
116.15	BPL245	00279	V	-	1	-	-
67.92	BPL261	00280	V	-	1	-	-
67.92	BPL262	00281	V	-	1	-	-
67.92	BPL263	00282	V	-	1	-	-
67.92	BPL265	00284	V	-	1	-	-
65.31	BPL264	00283	V	-	1	-	-
67.92	BPL271	00285	V	-	1	-	-
67.92	BPL272	00286	V	-	1	-	-
67.92	BPL273	00287	V	-	1	-	-
65.31	BPL274	00288	V	-	1	-	-
67.92	BPL275	00289	V	-	1	-	-
67.92	BPL281	00290	V	-	1	-	-
67.92	BPL282	00291	V	-	1	-	-
67.92	BPL283	00292	V	-	1	-	-
65.31	BPL284	00293	V	-	1	-	-
67.92	BPL285	00294	V	-	1	-	-
67.92	BPL291	00295	V	-	1	-	-
67.92	BPL292	00296	V	-	1	-	-
67.92	BPL293	00297	V	-	1	-	-
65.31	BPL294	00298	V	-	1	-	-
67.92	BPL295	00299	V	-	1	-	-
245.28	BPP211A	00301	V	-	1	-	-
261.19	BPP211AB	00302	V	-	1	-	-
294.12	BPP211ABCD	00304	V	-	1	-	-
261.19	BPP211AD	00305	V	-	1	-	-
245.28	BPP211C	00307	V	-	1	-	-
261.19	BPP211CD	00308	V	-	1	-	-
250.96	BPP212A	00310	V	-	1	-	-
266.86	BPP212AB	00311	V	-	1	-	-
303.20	BPP212ABCD	00313	V	-	1	-	-
266.86	BPP212AD	00314	V	-	1	-	-
250.96	BPP212C	00316	V	-	1	-	-
266.86	BPP212CD	00317	V	-	1	-	-
245.28	BPP221A	00319	V	-	1	-	-
261.19	BPP221AB	00320	V	-	1	-	-
294.12	BPP221ABCD	00322	V	-	1	-	-

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261.19	BPP221AD	00323	V	-	1	-	-
245.28	BPP221C	00325	V	-	1	-	-
261.19	BPP221CD	00326	V	-	1	-	-
250.96	BPP222A	00328	V	-	1	-	-
266.86	BPP222AB	00329	V	-	1	-	-
303.20	BPP222ABCD	00331	V	-	1	-	-
266.86	BPP222AD	00332	V	-	1	-	-
250.96	BPP222C	00334	V	-	1	-	-
266.86	BPP222CD	00335	V	-	1	-	-
245.28	BPP231A	00336	V	-	1	-	-
261.19	BPP231AB	00337	V	-	1	-	-
294.12	BPP231ABCD	00338	V	-	1	-	-
261.19	BPP231AD	00339	V	-	1	-	-
245.28	BPP231C	00340	V	-	1	-	-
261.19	BPP231CD	00341	V	-	1	-	-
250.96	BPP232A	00342	V	-	1	-	-
266.86	BPP232AB	00343	V	-	1	-	-
303.20	BPP232ABCD	00344	V	-	1	-	-
266.86	BPP232AD	00345	V	-	1	-	-
250.96	BPP232C	00346	V	-	1	-	-
266.86	BPP232CD	00347	V	-	1	-	-
1.39	BS-50A	06010	AC	50	250	4	A
1.67	BS-50S	06035	AB	50	250	11	A
1.96	BS-75A	06011	AC	50	250	5	A
1.86	BS-75S	06040	AB	50	250	16	A
2.50	BS-100A	06012	AC	50	250	7	A
2.78	BS-100S	06045	AB	50	250	22	A
2.99	BS-125A	06013	AC	25	125	14	A
3.41	BS-125S	06050	AB	25	125	41	A
5.26	BS-200A	06015	AC	10	20	21.7	A
5.43	BS-200S	06055	AB	10	20	65	A
8.74	BS-250A	06016	AC	-	10	59	A
8.47	BS-250S	06060	AB	-	10	178	A
10.09	BS-350A	06017	AC	-	5	102	C
10.14	BS-350S	06065	AB	-	5	305	A
121.54	BSR222A	00348	V	-	1	-	-
133.97	BSR222AB	11152	V	-	1	-	-
165.21	BSR222ABCD	00349	V	-	1	-	-
121.54	BSR222B	00351	V	-	1	-	-
133.97	BSR222BC	00352	V	-	1	-	-
165.21	BSR231ABCD	00353	V	-	1	-	-
133.97	BSR231BD	00354	V	-	1	-	-
165.21	BSR231CCDD	00355	V	-	1	-	-
133.97	BSR231CD	00356	V	-	1	-	-
165.21	BSR232CCDD	00357	V	-	1	-	-
133.97	BSR232CD	00358	V	-	1	-	-
165.21	BSR234CCDD	00359	V	-	1	-	-
133.97	BSR234CD	00360	V	-	1	-	-
100.14	BSS222A	00361	V	-	1	-	-
116.15	BSS222AB	10940	V	-	1	-	-
151.67	BSS222ABCD	00362	V	-	1	-	-
100.14	BSS222B	00364	V	-	1	-	-
116.15	BSS222BC	00365	V	-	1	-	-
151.67	BSS231ABCD	00366	V	-	1	-	-
116.15	BSS231BD	00367	V	-	1	-	-
151.67	BSS231CCDD	00368	V	-	1	-	-
116.15	BSS231CD	00369	V	-	1	-	-
151.67	BSS232CCDD	00370	V	-	1	-	-
116.15	BSS232CD	00371	V	-	1	-	-
151.67	BSS234CCDD	00372	V	-	1	-	-
116.15	BSS234CD	00373	V	-	1	-	-
8.96	BWH-38	00000	UA	-	-	-	-
9.13	BWH-50	00000	UA	-	-	-	-
11.00	BWH-75	00000	UA	-	-	-	-
11.00	BWH-100	00000	UA	-	-	-	-
11.75	BWH-125	00000	UA	-	-	-	-
11.75	BWH-150	00000	UA	-	-	-	-
14.45	BWH-200	00000	UA	-	-	-	-
19.43	BWH-250	00000	UA	-	-	-	-
31.18	BWH-300	00000	UA	-	-	-	-
31.18	BWH-350	00000	UA	-	-	-	-
42.77	BWH-400	00000	UA	-	-	-	-
58.46	BWH-450	00000	UA	-	-	-	-
93.43	BWH-500	00000	UA	-	-	-	-
116.75	BWH-600	00000	UA	-	-	-	-
1856.67	B7MA1RA-N6	00378	V	-	1	-	-
1856.67	B7MA1RB-N6	00000	V	-	1	-	-
1856.67	B7MA1RC-N6	00380	V	-	1	-	-
1856.67	B7MA1RD-N6	00381	V	-	1	-	-
1856.67	B7MA1UQ-N4	00382	V	-	1	-	-
1856.67	B7MA1UR-N4	00383	V	-	1	-	-
1856.67	B7MA1US-N4	00384	V	-	1	-	-
1856.67	B7MA1UT-N4	00385	V	-	1	-	-
1854.95	B7MA1-420U	08801	V	-	1	-	-
1014.07	B7MA1-420U	08801	V	-	1	-	-
2401.74	B7MA2RE-N6	00387	V	-	1	-	-
2401.74	B7MA2UU-N4	00000	V	-	1	-	-
3698.57	B7MA3UV-N4	00000	V	-	1	-	-
5757.37	B7MA4UV-N4	00000	V	-	1	-	-
6287.68	B7MA4UW-N4	00000	V	-	1	-	-
5586.58	B7MA5-420U	00000	V	-	1	-	-
13229.45	B7MA5EJ-N4	00000	V	-	1	-	-
12249.45	B7MA5RP-N6	00000	V	-	1	-	-
12249.45	B7MA5RX-N6	00000	V	-	1	-	-
13229.45	B7MA5UY-N4	00000	V	-	1	-	-
4038.18	B7MA3RF-N6	00390	V	-	1	-	-
6287.68	B7MA4RG-N6	00000	V	-	1	-	-
6287.68	B7MA4RH-N6	00000	V	-	1	-	-
1211.55	B7MA2-420U	00000	V	-	1	-	-
1211.55	B7MA2-420U	00000	V	-	1	-	-
2430.13	B7MA3-420U	00389	V	-	1	-	-
2918.55	B7MA4-420U	10195	V	-	1	-	-
1668.16	B7MBBB	00431	V	-	1	-	-
1668.16	B7MBBC	00432	V	-	1	-	-
1820.47	B7MBBD	08454	V	-	1	-	-
2120.12	B7MBBZ	08455	V	-	1	-	-
1620.47	B7MBE5Q	00445	V	-	1	-	-
2120.12	B7MBE5R	00446	V	-	1	-	-
1668.16	B7MBG5M	00489	V	-	1	-	-
2493.72	B7MB1RA-N6	11349	V	-	1	-	-
2493.72	B7MB1RB-N6	11350	V	-	1	-	-
2493.72	B7MB1RC-N6	11351	V	-	1	-	-
2493.72	B7MB1RD-N6	11352	V	-	1	-	-
3495.99	B7MB2RE-N6	11347	V	-	1	-	-
6287.68	B7MB3RF-N6	09788	V	-	1	-	-
10983.28	B7MB4RG-N6	11282	V	-	1	-	-
10983.28	B7MB4RH-N6	11281	V	-	1	-	-
3232.98	B7MCDZ	08447	V	-	1	-	-
2945.99	B7MCH3D	00554	V	-	1	-	-
3232.98	B7MCM5V	08444	V	-	1	-	-
2623.18	B7MD-600U	00593	V	-	1	-	-
6079.87	B7MDR5N	00594	V	-	1	-	-
6437.57	B7MDR5NE	00000	V	-	1	-	-
6079.87	B7MDR5P	00595	V	-	1	-	-
6437.57	B7MDR5PE	00000	V	-	1	-	-
6079.87	B7MDR5Q	00596	V	-	1	-	-

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EGS O-Z/GEDNEY

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6437.57	B7MDR5QE	00000	V	-	1	-	-
6079.87	B7MDR5R	00597	V	-	1	-	-
6437.57	B7MDR5RE	00000	V	-	1	-	-
6437.57	B7MDR5SE	00000	V	-	1	-	-
6079.87	B7MDR5S	00598	V	-	1	-	-
6079.87	B7MDR5T	00599	V	-	1	-	-
6437.57	B7MDR5TE	00000	V	-	1	-	-
6079.87	B7MDR5U	00600	V	-	1	-	-
6437.57	B7MDR5UE	00000	V	-	1	-	-
6079.87	B7MDR5V	00601	V	-	1	-	-
6437.57	B7MDR5VE	00000	V	-	1	-	-
6079.87	B7MDR5W	00602	V	-	1	-	-
6437.57	B7MDR5WE	00000	V	-	1	-	-
6079.87	B7MDR5X	00603	V	-	1	-	-
6437.57	B7MDR5XE	00000	V	-	1	-	-
5983.34	B7MDR5Y	08445	V	-	1	-	-
5677.88	B7MDR6N	00605	V	-	1	-	-
6035.58	B7MDR6NE	00000	V	-	1	-	-
5677.88	B7MDR6P	00606	V	-	1	-	-
6035.58	B7MDR6PE	00000	V	-	1	-	-
5677.88	B7MDR6Q	00607	V	-	1	-	-
6035.58	B7MDR6QE	00000	V	-	1	-	-
5677.88	B7MDR6R	00608	V	-	1	-	-
6035.58	B7MDR6RE	00000	V	-	1	-	-
5677.88	B7MDR6S	00609	V	-	1	-	-
6035.58	B7MDR6SE	00000	V	-	1	-	-
5677.88	B7MDR6T	00610	V	-	1	-	-
6035.58	B7MDR6TE	00000	V	-	1	-	-
5677.88	B7MDR6U	00611	V	-	1	-	-
6035.58	B7MDR6UE	00000	V	-	1	-	-
5677.88	B7MDR6V	00612	V	-	1	-	-
6035.58	B7MDR6VE	00000	V	-	1	-	-
5677.88	B7MDR6W	00613	V	-	1	-	-
6035.58	B7MDR6WE	00000	V	-	1	-	-
5677.88	B7MDR6X	00614	V	-	1	-	-
6035.58	B7MDR6XE	00000	V	-	1	-	-
6079.87	B7MDVA	00615	V	-	1	-	-
6079.87	B7MDVB	00616	V	-	1	-	-
6079.87	B7MDVC	00617	V	-	1	-	-
6079.87	B7MDVD	00618	V	-	1	-	-
6079.87	B7MDVE	00619	V	-	1	-	-
6079.87	B7MDVF	00620	V	-	1	-	-
6079.87	B7MDVH	00621	V	-	1	-	-
6079.87	B7MDVJ	00622	V	-	1	-	-
6079.87	B7MDVK	00623	V	-	1	-	-
5677.88	B7MDV2A	00624	V	-	1	-	-
5677.88	B7MDV2B	00625	V	-	1	-	-
5677.88	B7MDV2C	00626	V	-	1	-	-
5677.88	B7MDV2D	00627	V	-	1	-	-
5677.88	B7MDV2E	00628	V	-	1	-	-
5677.88	B7MDV2F	00629	V	-	1	-	-
5677.88	B7MDV2H	00630	V	-	1	-	-
5677.88	B7MDV2J	00631	V	-	1	-	-
5677.88	B7MDV2K	00632	V	-	1	-	-
4411.71	B7ME-600U	00633	V	-	1	-	-
8875.79	B7MEP7M	11199	V	-	1	-	-
8875.79	B7MEP7N	11198	V	-	1	-	-
8875.79	B7MEP7O	11200	V	-	1	-	-
8875.79	B7MEP7P	11202	V	-	1	-	-
8875.79	B7MEP7Q	11203	V	-	1	-	-
8875.79	B7MEP7R	11201	V	-	1	-	-
8318.08	B7MEP8M	11187	V	-	1	-	-
8318.08	B7MEP8N	11179	V	-	1	-	-

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8318.08	B7MEP8O	11185	V	-	1	-	-
8318.08	B7MEP8P	11190	V	-	1	-	-
8318.08	B7MEP8Q	11188	V	-	1	-	-
8318.08	B7MEP8R	11192	V	-	1	-	-
8674.66	B7MEP7ME	00000	V	-	1	-	-
8674.66	B7MEP7NE	00000	V	-	1	-	-
8674.66	B7MEP7OE	00000	V	-	1	-	-
8674.66	B7MEP7QE	00000	V	-	1	-	-
8674.66	B7MEP7RE	00000	V	-	1	-	-
8318.08	B7MEP8ME	00000	V	-	1	-	-
8318.08	B7MEP8NE	00000	V	-	1	-	-
8318.08	B7MEP8QE	00000	V	-	1	-	-
8318.08	B7MEP8RE	00000	V	-	1	-	-
8913.13	B7MEUA	00647	V	-	1	-	-
8913.13	B7MEUB	00649	V	-	1	-	-
8913.13	B7MEUC	00650	V	-	1	-	-
8913.13	B7MEUD	00651	V	-	1	-	-
8913.13	B7MEUE	00652	V	-	1	-	-
8913.13	B7MEUF	00653	V	-	1	-	-
9136.64	B7MEUG	08448	V	-	1	-	-
8913.13	B7MEUZ	00654	V	-	1	-	-
8556.56	B7MEU2A	00655	V	-	1	-	-
8556.56	B7MEU2B	00656	V	-	1	-	-
8556.56	B7MEU2C	00657	V	-	1	-	-
8556.56	B7MEU2D	00658	V	-	1	-	-
8556.56	B7MEU2E	00659	V	-	1	-	-
8556.56	B7MEU2F	00660	V	-	1	-	-
8556.56	B7MEU2Z	00661	V	-	1	-	-
4411.71	B7MF-600U	00662	V	-	1	-	-
10204.28	B7MFMT	00663	V	-	1	-	-
10204.28	B7MFMU	00664	V	-	1	-	-
10204.28	B7MFMV	00665	V	-	1	-	-
10204.28	B7MFMW	00666	V	-	1	-	-
10204.28	B7MFMX	00667	V	-	1	-	-
10204.28	B7MFMY	00668	V	-	1	-	-
10204.28	B7MFMZ	00669	V	-	1	-	-
9479.78	B7MFM2T	00670	V	-	1	-	-
9479.78	B7MFM2U	00671	V	-	1	-	-
9479.78	B7MFM2V	00672	V	-	1	-	-
9479.78	B7MFM2W	00673	V	-	1	-	-
9479.78	B7MFM2X	00674	V	-	1	-	-
9479.78	B7MFM2Y	00675	V	-	1	-	-
9479.78	B7MFM2Z	00676	V	-	1	-	-
9966.94	B7MFR7V	11189	V	-	1	-	-
9966.94	B7MFR7W	11219	V	-	1	-	-
9966.94	B7MFR7X	11213	V	-	1	-	-
9966.94	B7MFR7Y	11221	V	-	1	-	-
9966.94	B7MFR7Z	11223	V	-	1	-	-
9241.31	B7MFR8V	11204	V	-	1	-	-
9241.31	B7MFR8W	11210	V	-	1	-	-
9241.31	B7MFR8X	11212	V	-	1	-	-
9241.31	B7MFR8Y	11207	V	-	1	-	-
9241.31	B7MFR8Z	11214	V	-	1	-	-
9965.81	B7MFR7VE	00000	V	-	1	-	-
9965.81	B7MFR7WE	00000	V	-	1	-	-
9965.81	B7MFR7XE	00000	V	-	1	-	-
9965.81	B7MFR7YE	00000	V	-	1	-	-
9965.81	B7MFR7ZE	00000	V	-	1	-	-
9241.31	B7MFR8VE	00000	V	-	1	-	-
9241.31	B7MFR8WE	00000	V	-	1	-	-
9241.31	B7MFR8XE	00000	V	-	1	-	-
9241.31	B7MFR8YE	00000	V	-	1	-	-
9241.31	B7MFR8ZE	00000	V	-	1	-	-

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10284.28	B7MFTZ	00687	V	-	1	-	-
5171.41	B7MG-600U	00689	V	-	1	-	-
16008.20	B7MGS7BE	11248	V	-	1	-	-
16008.20	B7MGS7CE	11257	V	-	1	-	-
16009.34	B7MGS7DE	00000	V	-	1	-	-
16009.34	B7MGS7EE	00000	V	-	1	-	-
16009.34	B7MGS7FE	00000	V	-	1	-	-
16009.34	B7MGS7GE	00000	V	-	1	-	-
15196.54	B7MGS8BE	11246	V	-	1	-	-
15196.54	B7MGS8CE	11254	V	-	1	-	-
15196.54	B7MGS8DE	00000	V	-	1	-	-
15196.54	B7MGS8EE	00000	V	-	1	-	-
15196.54	B7MGS8FE	00000	V	-	1	-	-
15196.54	B7MGS8GE	00000	V	-	1	-	-
3952.93	B7N06	00713	V	-	1	-	-
4031.30	B7N08	00714	V	-	1	-	-
4109.65	B7N10	00716	V	-	1	-	-
4277.71	B7N12	00717	V	-	1	-	-
6907.20	B7N14	00719	V	-	1	-	-
6986.68	B7N16	00720	V	-	1	-	-
6166.18	B7N18	00722	V	-	1	-	-
6244.53	B7N20	00723	V	-	1	-	-
6324.01	B7N22	00725	V	-	1	-	-
6404.64	B7N24	00726	V	-	1	-	-
3952.93	B7P06	00728	V	-	1	-	-
4031.30	B7P08	00729	V	-	1	-	-
4109.65	B7P10	00731	V	-	1	-	-
4277.71	B7P12	00732	V	-	1	-	-
6907.20	B7P14	00734	V	-	1	-	-
6986.68	B7P16	00735	V	-	1	-	-
6166.18	B7P18	00736	V	-	1	-	-
6244.53	B7P20	00737	V	-	1	-	-
6863.75	B7P22	00738	V	-	1	-	-
6404.64	B7P24	00739	V	-	1	-	-
0.84	• C-1Z	12031	KB	50	500	7	A
0.85	• C-5	06815	KB	50	500	7	A
1.38	• C-8	06830	KB	50	200	13	A
1.84	• C-8T	06831	KB	50	200	13	A
0.87	• C-11LS	06855	KB	50	500	8	A
0.82	• C-11LST	06857	KB	50	500	8	A
0.78	• C-15L	06870	KB	50	500	7	A
827.09	C1D212V36T	13729	W	-	1	1950	-
664.35	C1D212V36T0	13745	W	-	1	1750	-
744.69	C1D212V36T1	13737	W	-	1	1850	-
744.69	C1D212V36T112W	13741	W	-	1	1850	-
827.09	C1D212V36T12W	13733	W	-	1	1950	-
914.64	C1D212V72T	13731	W	-	1	1950	-
751.90	C1D212V72T0	13747	W	-	1	1750	-
832.24	C1D212V72T1	13739	W	-	1	1850	-
832.24	C1D212V72T112W	13743	W	-	1	1850	-
914.64	C1D212V72T12W	13735	W	-	1	1950	-
664.35	C1D26V36T0	13744	W	-	1	1750	-
744.69	C1D26V36T1	13736	W	-	1	1850	-
744.69	C1D26V36T112W	13740	W	-	1	1850	-
827.09	C1D26V36T12W	13732	W	-	1	1950	-
914.64	C1D26V72T	13730	W	-	1	1950	-
751.90	C1D26V72T0	13746	W	-	1	1750	-
832.24	C1D26V72T1	13738	W	-	1	1850	-
832.24	C1D26V72T112W	13742	W	-	1	1850	-
914.64	C1D26V72T12W	13734	W	-	1	1950	-
222.48	C1D2R12V12WFT	13762	W	-	1	400	-
222.48	C1D2R12V12WLT	13755	W	-	1	400	-
222.48	C1D2R12V12WRT	13759	W	-	1	400	-
222.48	C1D2R12V8WFT	13761	W	-	1	400	-
222.48	C1D2R12V8WLT	13753	W	-	1	400	-
222.48	C1D2R12V8WRT	13758	W	-	1	400	-
222.48	C1D2R6V12WFT	00000	W	-	1	400	-
222.48	C1D2R6V12WLT	13754	W	-	1	400	-
222.48	C1D2R6V12WRT	13757	W	-	1	400	-
222.48	C1D2R6V8WFT	13760	W	-	1	400	-
222.48	C1D2R6V8WLT	13752	W	-	1	400	-
222.48	C1D2R6V8WRT	13756	W	-	1	400	-
272.95	C1D2TR12V12WFT	13774	W	-	1	500	-
272.95	C1D2TR12V12WLT	13766	W	-	1	500	-
272.95	C1D2TR12V12WRT	13770	W	-	1	500	-
272.95	C1D2TR12V8WFT	13772	W	-	1	500	-
272.95	C1D2TR12V8WLT	13764	W	-	1	500	-
272.95	C1D2TR12V8WRT	13768	W	-	1	500	-
272.95	C1D2TR6V12WFT	13773	W	-	1	500	-
272.95	C1D2TR6V12WLT	13765	W	-	1	500	-
272.95	C1D2TR6V12WRT	13769	W	-	1	500	-
272.95	C1D2TR6V8WFT	13771	W	-	1	500	-
272.95	C1D2TR6V8WLT	13763	W	-	1	500	-
272.95	C1D2TR6V8WRT	13767	W	-	1	500	-
5.86	C17	07090	AA	5	25	96	A
6.94	C17-SA	89000	AA	5	25	32	A
6.98	C27	07091	AA	5	25	132	A
8.85	C27-SA	05335	AA	5	25	44	A
10.48	C37	07092	AA	5	25	178	A
12.76	C37-SA	89002	AA	5	25	59	A
16.88	C47	07093	AA	2	10	251	A
19.72	C47-SA	89003	AA	2	10	84	B
5.02	C-50	07280	AB	10	50	56	A
5.14	C-50A	07420	AC	10	50	21	A
5.37	C-50A-TW	07441	AC	10	50	21	A
8.78	C-50ACG	05896	AC	10	50	25	A
9.67	C-50CG	05897	AB	10	50	-	A
21.74	C57	07094	AA	2	10	318	A
25.58	C57-SA	89004	AA	2	10	106	A
35.64	C67	07095	AA	1	5	464	A
42.41	C67-SA	89005	AA	1	5	155	A
6.98	C-75	07300	AB	10	50	75	A
8.04	C-75A	07421	AC	10	50	28	A
8.75	C-75A-TW	07442	AC	10	50	28	A
9.97	C-75ACG	05900	AC	10	50	33	A
11.27	C-75CG	05901	AB	10	50	-	A
75.51	C77	07096	AA	-	1	970	A
88.38	C77-SA	89006	AA	-	1	323	C
100.87	C87	07097	AA	-	1	1050	A
117.94	C87-SA	89007	AA	-	1	350	C
10.48	C-100	07320	AB	5	25	110	A
9.13	C-100A	07422	AC	5	25	42	A
9.99	C-100A-TW	07443	AC	5	25	42	A
14.48	C-100ACG	05869	AC	5	25	49	A
16.63	C-100CG	05870	AB	5	25	-	A
16.80	C-125	07340	AB	2	10	255	A
13.76	C-125A	07423	AC	2	10	97	A
16.62	C-125A-TW	07444	AC	2	10	97	A
20.19	C-125ACG	05875	AC	2	10	111	A
24.24	C-125CG	05876	AB	2	10	-	A
21.53	C-150	07360	AB	2	10	285	A
17.97	C-150A	07424	AC	2	10	108	A
21.57	C-150A-TW	07445	AC	2	10	108	A
27.86	C-150ACG	05880	AC	2	10	122	A
29.19	C-150CG	05881	AB	2	10	-	A
35.64	C-200	07380	AB	1	5	695	A

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29.61	C-200A	07425	AC	1	5	264	A
36.15	C-200A-TW	07446	AC	1	5	264	A
38.50	C-200ACG	05885	AB	1	5	286	A
46.51	C-200CG	05886	AB	1	5	-	A
75.88	C-250	07400	AB	-	1	1128	B
65.56	C-250A	07426	AC	-	1	428	B
99.13	C-300	07405	AB	-	1	1350	A
75.26	C-300A	07427	AC	-	1	512	B
166.29	C-350	07410	AB	-	1	2350	B
143.18	C-350A	07428	AC	-	1	891	C
185.46	C-400	07415	AB	-	1	2450	B
143.18	C-400A	07429	AC	-	1	929	C
79.56	C-2004-BO	00740	QA	-	1	-	-
128.68	C-2004-1	00741	QA	-	1	360	-
138.65	C-2004-2	00742	QA	-	1	360	-
93.05	C-2504-BO	00743	QA	-	1	-	-
147.70	C-2504-1	00744	QA	-	1	560	-
159.83	C-2504-2	00745	QA	-	1	560	-
119.47	C-3004-BO	00746	QA	-	1	-	-
185.75	C-3004-1	00747	QA	-	1	770	-
197.75	C-3004-2	00748	QA	-	1	770	-
159.81	C-3504-BO	00749	QA	-	1	-	-
236.77	C-3504-1	00750	QA	-	1	950	-
249.07	C-3504-2	00751	QA	-	1	950	-
185.25	C-4004-BO	00752	QA	-	1	-	-
288.14	C-4004-1	00753	QA	-	1	1180	-
299.98	C-4004-2	00754	QA	-	1	1180	-
314.97	C-5004-BO	00755	QA	-	1	-	-
468.53	C-5004-1	00756	QA	-	1	1930	-
481.32	C-5004-2	00757	QA	-	1	1930	-
515.85	C-6004-BO	00758	QA	-	1	-	-
734.82	C-6004-1	00759	QA	-	1	2400	-
747.62	C-6004-2	00760	QA	-	1	2400	-
37.27	C8X-100A	05459	AD	-	2	245	A
41.46	C8X-125A	05467	AD	-	2	300	A
79.97	C8X-150A	05469	AD	-	1	525	A
96.51	C8X-200A	05471	AD	-	1	565	A
146.42	C8X-250A	05473	AD	-	1	1335	A
196.57	C8X-300A	05475	AD	-	1	1440	A
314.94	C8X-350A	05477	AD	-	1	2145	A
382.56	C8X-400A	05479	AD	-	1	2125	A
30.72	C8X-100G	05460	AD	1	2	697	A
34.63	C8X-125G	05468	AD	1	2	850	A
65.54	C8X-150G	05470	AD	-	1	1500	A
79.23	C8X-200G	05472	AD	-	1	1600	A
121.46	C8X-250G	05474	AD	-	1	3800	A
161.51	C8X-300G	05476	AD	-	1	4050	A
300.06	C8X-350G	05478	AD	-	1	5500	A
316.59	C8X-400G	05480	AD	-	1	5450	A
6.84	CB202N	13684	W	5	25	21	-
24.18	CB205N	13722	W	-	10	30	-
2.90	• CB-50	07820	EA	25	100	16	A
3.94	• CB-75	07825	EA	10	50	32	A
6.02	• CB-100	07830	EA	5	25	39	A
3.84	• CBC-1	08255	EA	10	50	35	A
5.57	• CBC-2	08260	EA	10	50	63	A
7.37	CBF	83609		-	1	100	-
9.00	• CE-050	09085	EA	10	100	44	A
9.57	• CE-075	09090	EA	10	50	57	A
12.48	• CE-0100	09095	EA	5	25	87	A
21.61	• CE-0125	09100	EA	4	20	164	B
23.56	• CE-0150	09105	EA	2	10	205	B
33.44	• CE-0200	09110	EA	1	5	365	B

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34.15	CG-2004	09200	MA	10	50	63	-
38.25	CG-2022	09201	MA	5	25	69	-
42.94	CG-2025	09202	MA	5	25	100	-
59.34	CG-2050	09203	MA	5	25	180	-
41.61	CG-2604	09204	MA	10	50	69	-
46.16	CG-2622	09205	MA	10	50	88	-
48.30	CG-2625	09206	MA	5	25	110	-
66.21	CG-2650	09207	MA	5	25	180	-
50.73	CG-3104	09208	MA	5	25	81	-
57.06	CG-3122	09209	MA	10	50	100	-
61.65	CG-3125	09210	MA	5	25	130	-
79.03	CG-3150	09211	MA	5	25	240	-
91.01	CG-3175	09212	MA	2	10	350	-
57.06	CG-3604	09213	MA	5	25	88	-
63.56	CG-3622	09214	MA	5	25	110	-
68.12	CG-3625	09215	MA	5	25	130	-
86.67	CG-3650	09216	MA	2	10	240	-
92.94	CG-3675	09217	MA	5	25	360	-
66.21	CG-4104	09218	MA	10	50	100	-
74.75	CG-4122	09219	MA	5	25	130	-
81.01	CG-4125	09220	MA	-	25	150	-
102.21	CG-4150	09221	MA	4	20	260	-
106.12	CG-4175	09222	MA	2	10	380	-
82.25	CG-4622	09223	MA	5	25	140	-
88.37	CG-4625	09224	MA	5	25	180	-
109.94	CG-4650	09225	MA	2	10	290	-
93.23	CG-5122	09226	MA	5	25	150	-
102.21	CG-5125	09227	MA	5	25	200	-
125.63	CG-5150	09228	MA	5	25	310	-
148.98	CG-5175	09229	MA	2	10	430	-
111.58	CG-6122	09230	MA	5	25	180	-
121.59	CG-6125	09231	MA	5	25	200	-
150.37	CG-6150	09232	MA	2	10	340	-
177.08	CG-6175	09233	MA	2	10	470	-
222.06	CG-6192	09234	MA	2	10	480	-
159.46	CG-8125	09235	MA	-	5	250	-
196.76	CG-8150	09236	MA	-	5	440	-
219.25	CG-8175	09237	MA	-	1	600	-
265.34	CG-8192	09238	MA	-	1	620	-
3.79	• CGA-38-188	08551	HB	25	100	5	A
3.79	• CGA-38-250	08552	HB	25	100	5	A
3.79	• CGA-38-312	08553	HB	25	100	4	A
3.79	• CGA-38-375	08554	HB	25	100	4	A
3.79	• CGA-38-438	08555	HB	25	100	4	A
4.19	• CGA-50-188	08556	HB	25	100	9	A
4.19	• CGA-50-250	08557	HB	25	100	9	A
4.19	• CGA-50-312	08558	HB	25	100	9	A
4.19	• CGA-50-375	08559	HB	25	100	9	A
4.19	• CGA-50-438	08560	HB	25	100	9	A
4.19	• CGA-50-500	08561	HB	25	100	9	A
4.19	• CGA-50-562	08562	HB	25	100	9	A
4.19	• CGA-50-625	08563	HB	25	100	9	A
4.88	• CGA-75-562	08564	HB	25	100	13	A
4.88	• CGA-75-625	08565	HB	25	100	13	A
4.88	• CGA-75-688	08566	HB	25	100	12	A
4.88	• CGA-75-750	08567	HB	25	100	12	A
4.88	• CGA-75-812	08568	HB	25	100	11	A
6.50	• CGA-100-562	08569	HB	25	100	17	A
6.50	• CGA-100-625	08570	HB	25	100	17	A
6.50	• CGA-100-688	08571	HB	25	100	17	A
6.50	• CGA-100-750	08572	HB	25	100	16	A
6.50	• CGA-100-812	08573	HB	25	100	16	A
6.50	• CGA-100-875	08574	HB	25	100	15	A

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6.50	• CGA-100-938	08575	HB	25	100	15	A
16.53	• CGA-125-875	08576	HB	10	50	32	B
16.53	• CGA-125-1000	08577	HB	10	50	40	B
16.53	• CGA-125-1125	08578	HB	10	50	38	B
16.53	• CGA-125-1250	08579	HB	10	50	36	B
16.53	• CGA-125-1375	08580	HB	10	50	34	B
85.08	• CGA-150-1375M	08620	HB	-	2	1070	B
17.63	• CGA-150-875	08582	HB	5	25	91	B
17.63	• CGA-150-1000	08583	HB	5	25	88	B
17.63	• CGA-150-1125	08584	HB	5	25	85	B
17.63	• CGA-150-1250	08585	HB	5	25	82	B
17.63	• CGA-150-1375	08581	HB	5	25	81	B
31.17	• CGA-200-1375	08586	HB	2	10	199	B
31.17	• CGA-200-1562	08587	HB	2	10	196	B
31.17	• CGA-200-1688	08588	HB	2	10	193	B
39.87	• CGA-38-250M	08590	HB	20	100	6	A
39.87	• CGA-38-312M	08592	HB	20	100	6	A
39.87	• CGA-38-375M	08593	HB	20	100	6	A
39.87	• CGA-38-438M	08594	HB	20	100	7	A
37.57	• CGA-50-250M	08595	HB	10	50	11	A
37.57	• CGA-50-312M	08596	HB	10	50	12	A
37.57	• CGA-50-375M	08597	HB	10	50	12	A
37.57	• CGA-50-438M	08598	HB	10	50	12	A
37.57	• CGA-50-500M	08599	HB	10	50	12	A
37.57	• CGA-50-562M	08601	HB	10	50	12	A
37.57	• CGA-50-625M	08600	HB	10	50	13	A
44.61	• CGA-75-562M	08602	HB	5	25	19	A
44.61	• CGA-75-625M	08591	HB	5	25	19	A
44.61	• CGA-75-688M	08604	HB	5	25	19	A
44.61	• CGA-75-750M	08603	HB	5	25	18	A
44.61	• CGA-75-812M	08605	HB	5	25	25	A
53.94	• CGA-100-562M	08606	HB	5	25	24	A
53.94	• CGA-100-625M	08607	HB	5	25	24	A
53.94	• CGA-100-688M	08608	HB	5	25	24	A
53.94	• CGA-100-750M	08609	HB	5	25	23	A
53.94	• CGA-100-812M	08610	HB	5	25	26	A
53.94	• CGA-100-875M	08611	HB	5	25	25	A
53.94	• CGA-100-938M	08612	HB	5	25	26	A
83.87	• CGA-125-1000M	08613	HB	-	2	53	B
83.87	• CGA-125-1125M	08614	HB	-	2	51	B
83.87	• CGA-125-1250M	08615	HB	-	2	52	B
83.87	• CGA-125-1375M	08068	HB	-	2	54	B
85.08	• CGA-150-1000M	08616	HB	-	2	109	B
85.08	• CGA-150-1125M	08617	HB	-	2	109	B
85.08	• CGA-150-1250M	08618	HB	-	2	107	B
135.54	• CGA-200-1562M	08621	HB	-	2	245	B
135.54	• CGA-200-1688M	08619	HB	-	2	243	B
136.54	• CGA-200-1812M	08622	HB	-	2	240	B
7.57	• CGA-938-188	08623	HB	20	100	7	A
7.57	• CGA-938-250	08624	HB	20	100	7	A
7.57	• CGA-938-312	08625	HB	20	100	7	A
7.57	• CGA-938-375	08626	HB	20	100	7	A
7.57	• CGA-938-438	08627	HB	20	100	7	A
7.73	• CGA-950-188	08628	HB	20	100	13	A
7.73	• CGA-950-250	08629	HB	20	100	13	A
7.73	• CGA-950-312	08630	HB	20	100	13	A
7.73	• CGA-950-375	08631	HB	20	100	13	A
7.73	• CGA-950-438	08632	HB	20	100	13	A
7.73	• CGA-950-500	08633	HB	20	100	12	A
7.73	• CGA-950-562	08634	HB	20	100	12	A
7.73	• CGA-950-625	08635	HB	20	100	12	A
9.73	• CGA-975-562	08636	HB	10	50	19	A
9.73	• CGA-975-625	08637	HB	10	50	19	A
9.73	• CGA-975-688	08638	HB	10	50	19	A
9.73	• CGA-975-750	08639	HB	10	50	19	A
9.73	• CGA-975-812	08640	HB	10	50	18	A
13.41	• CGA-9100-562	08641	HB	10	50	26	A
13.41	• CGA-9100-625	08643	HB	10	50	26	A
13.41	• CGA-9100-688	08642	HB	10	50	26	A
13.41	• CGA-9100-750	08644	HB	10	50	25	A
13.41	• CGA-9100-812	08645	HB	10	50	25	A
13.41	• CGA-9100-875	08646	HB	10	50	24	A
13.41	• CGA-9100-938	08647	HB	10	50	24	A
26.24	• CGA-9125-875	08648	HB	2	10	63	B
26.24	• CGA-9125-1000	08649	HB	2	10	61	B
26.24	• CGA-9125-1125	08650	HB	2	10	60	B
26.24	• CGA-9125-1250	08651	HB	2	10	58	B
26.24	• CGA-9125-1375	08653	HB	2	10	56	B
29.12	• CGA-9150-875	08652	HB	2	10	63	B
29.12	• CGA-9150-1000	08654	HB	2	10	62	B
29.12	• CGA-9150-1125	08655	HB	2	10	60	B
29.12	• CGA-9150-1250	08656	HB	2	10	58	B
29.12	• CGA-9150-1375	08657	HB	2	10	56	B
48.11	• CGA-9200-1375	08658	HB	2	10	127	B
48.11	• CGA-9200-1562	08660	HB	2	10	124	B
48.11	• CGA-9200-1688	08661	HB	2	10	122	B
48.11	• CGA-9200-1812	08662	HB	2	10	119	B
43.93	• CGA-938-250M	08663	HB	20	100	8	A
43.93	• CGA-938-312M	08659	HB	20	100	9	A
43.93	• CGA-938-375M	08665	HB	20	100	9	A
43.93	• CGA-938-438M	08664	HB	20	100	9	A
41.29	• CGA-950-250M	08666	HB	-	20	15	A
41.29	• CGA-950-312M	08668	HB	-	20	16	A
41.29	• CGA-950-375M	08667	HB	-	20	16	A
41.29	• CGA-950-438M	08670	HB	-	20	16	A
41.29	• CGA-950-500M	08669	HB	-	20	16	A
41.29	• CGA-950-562M	08672	HB	-	20	20	A
41.29	• CGA-950-625M	08673	HB	-	20	16	A
49.83	• CGA-975-562M	08675	HB	-	10	26	A
49.83	• CGA-975-625M	08674	HB	-	10	26	A
49.83	• CGA-975-688M	08677	HB	-	10	26	A
49.83	• CGA-975-750M	08676	HB	-	10	25	A
49.83	• CGA-975-812M	08678	HB	-	10	27	A
61.35	• CGA-9100-562M	08679	HB	-	5	33	A
61.35	• CGA-9100-625M	08680	HB	-	5	33	A
61.35	• CGA-9100-688M	08682	HB	-	5	33	A
61.35	• CGA-9100-750M	08681	HB	-	5	33	A
61.35	• CGA-9100-812M	08684	HB	-	5	34	A
61.35	• CGA-9100-875M	08685	HB	-	5	34	A
61.35	• CGA-9100-938M	08686	HB	-	5	35	A
94.17	• CGA-9125-1000M	08683	HB	-	2	74	B
94.17	• CGA-9125-1125M	08687	HB	-	2	72	B
94.17	• CGA-9125-1250M	08688	HB	-	2	74	B
94.17	• CGA-9125-1375M	08689	HB	-	2	75	B
97.27	• CGA-9150-1000M	08690	HB	-	2	75	B
97.27	• CGA-9150-1125M	08691	HB	-	2	73	B
97.27	• CGA-9150-1250M	08693	HB	-	2	74	B
97.27	• CGA-9150-1375M	08692	HB	-	2	76	B
153.43	• CGA-9200-1562M	08695	HB	-	2	147	B
153.43	• CGA-9200-1688M	08694	HB	-	2	145	B
153.43	• CGA-9200-1812M	08697	HB	-	2	143	B
4.67	• CH-50	09250	EA	25	100	20	A
5.23	• CH-50T	09253	EA	25	100	20	A
5.39	• CH-75	09255	EA	25	100	26	A
5.75	• CH-75T	09258	EA	25	100	26	A
6.39	• CH-100	09260	EA	5	50	40	A

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7.21	• CH-100T	09263	EA	5	50	40	A
7.77	• CH-125	09265	EA	5	25	69	B
8.46	• CH-125T	09268	EA	5	25	69	B
8.78	• CH-150	09270	EA	2	20	93	B
9.63	• CH-150T	09273	EA	2	20	93	B
12.12	• CH-200	09275	EA	1	10	140	B
13.97	• CH-200T	09278	EA	1	10	140	B
23.50	• CH-250	09280	EA	1	10	235	C
27.68	• CH-250T	09283	EA	1	10	235	C
34.04	• CH-300	09285	EA	1	5	300	C
38.87	• CH-300T	09288	EA	1	5	300	C
44.83	• CH-350	09290	EA	1	5	400	C
51.12	• CH-350T	09293	EA	1	5	400	C
55.27	• CH-400	09295	EA	-	5	548	C
63.77	• CH-400T	09298	EA	-	5	548	C
125.95	• CH-500	09300	EA	-	1	800	C
169.74	• CH-500T	09301	EA	-	1	800	C
202.86	• CH-600	09305	EA	-	1	1100	C
265.39	• CH-600T	09306	EA	-	1	1100	C
4.89	• CHM-50	19400	EA	25	100	20	A
1.90	• CHM-50DT	19616	EA	25	125	20	C
3.32	• CHM-50DTC	19630	EA	25	125	20	C
4.45	• CHM-50T	19425	EA	25	100	19	A
4.54	• CHM-75	19401	EA	25	100	26	A
2.22	• CHM-75DT	19618	EA	25	125	32	C
3.88	• CHM-75DTC	19631	EA	25	125	32	C
5.02	• CHM-75T	19426	EA	25	100	22	A
5.45	• CHM-100	19402	EA	5	50	40	A
2.66	• CHM-100DT	19600	EA	25	125	40	C
4.65	• CHM-100DTC	19632	EA	25	125	40	C
6.37	• CHM-100T	19427	EA	5	50	41	A
6.71	• CHM-125	19403	EA	5	25	69	B
3.41	• CHM-125DT	19602	EA	10	50	60	C
5.97	• CHM-125DTC	19633	EA	10	50	60	C
7.29	• CHM-125T	19428	EA	5	25	58	B
7.54	• CHM-150	19404	EA	2	10	93	B
3.79	• CHM-150DT	19604	EA	10	50	70	C
6.63	• CHM-150DTC	19634	EA	10	50	70	C
8.40	• CHM-150T	19429	EA	2	20	73	B
10.45	• CHM-200	19405	EA	1	10	140	B
4.92	• CHM-200DT	19606	EA	10	50	90	C
8.61	• CHM-200DTC	19635	EA	10	50	90	C
11.93	• CHM-200T	19430	EA	1	10	96	B
20.31	• CHM-250	19406	EA	1	10	235	C
9.76	• CHM-250DT	19608	EA	5	25	200	C
17.07	• CHM-250DTC	19636	EA	5	25	200	C
23.81	• CHM-250T	19431	EA	1	10	194	C
29.42	• CHM-300	19407	EA	1	5	300	C
13.27	• CHM-300DT	19610	EA	2	10	250	C
23.21	• CHM-300DTC	19637	EA	2	10	250	C
33.60	• CHM-300T	19432	EA	1	5	300	C
37.82	• CHM-350	19408	EA	1	5	400	C
17.38	• CHM-350DT	19612	EA	2	10	300	C
30.41	• CHM-350DTC	19638	EA	2	10	300	C
44.18	• CHM-350T	19433	EA	1	5	317	C
47.39	• CHM-400	19409	EA	-	2	548	C
23.18	• CHM-400DT	19614	EA	2	10	350	C
40.57	• CHM-400DTC	19639	EA	2	10	350	C
54.62	• CHM-400T	19434	EA	-	2	352	C
109.05	• CHM-500	19410	EA	-	1	800	C
146.28	• CHM-500T	19435	EA	-	1	530	C
175.25	• CHM-600	19411	EA	-	1	1100	C
228.00	• CHM-600T	19436	EA	-	1	672	C

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4.48	• CHMG-100DT	19601	EA	25	125	40	C
7.83	• CHMG-100DTC	19642	EA	25	125	40	C
6.18	• CHMG-125DT	19603	EA	10	50	60	C
10.82	• CHMG-125DTC	19643	EA	10	50	60	C
6.75	• CHMG-150DT	19605	EA	10	50	70	C
11.82	• CHMG-150DTC	19644	EA	10	50	70	C
7.18	• CHMG-200DT	19607	EA	10	50	100	C
12.57	• CHMG-200DTC	19645	EA	10	50	100	C
14.23	• CHMG-250DT	19609	EA	5	25	200	C
24.89	• CHMG-250DTC	19646	EA	5	25	200	C
15.72	• CHMG-300DT	19611	EA	2	10	250	C
27.51	• CHMG-300DTC	19647	EA	2	10	250	C
22.97	• CHMG-350DT	19613	EA	2	10	300	C
40.20	• CHMG-350DTC	19648	EA	2	10	300	C
29.33	• CHMG-400DT	19615	EA	2	10	350	C
51.33	• CHMG-400DTC	19649	EA	2	10	350	C
3.90	• CHMG-50DT	19617	EA	25	125	20	C
6.82	• CHMG-50DTC	19640	EA	25	125	20	C
4.66	• CHMG-75DT	19619	EA	25	125	32	C
7.10	• CHMG-75DTC	19641	EA	25	125	32	C
2.85	• CHML-100DT	19622	EA	25	250	12	C
4.98	• CHML-100DTC	19652	EA	25	250	12	C
3.47	• CHML-125DT	19623	EA	10	100	20	C
6.08	• CHML-125DTC	19653	EA	10	100	20	C
3.86	• CHML-150DT	19624	EA	10	100	20	C
6.75	• CHML-150DTC	19654	EA	10	100	20	C
4.25	• CHML-200DT	19625	EA	10	100	30	C
7.44	• CHML-200DTC	19655	EA	10	100	30	C
6.01	• CHML-250DT	19626	EA	5	50	40	C
10.52	• CHML-250DTC	19656	EA	5	50	40	C
7.00	• CHML-300DT	19627	EA	2	20	50	C
12.25	• CHML-300DTC	19657	EA	2	20	50	C
9.45	• CHML-350DT	19628	EA	2	20	100	C
16.53	• CHML-350DTC	19658	EA	2	20	100	C
12.63	• CHML-400DT	19629	EA	2	20	100	C
22.10	• CHML-400DTC	19659	EA	2	20	100	C
2.63	• CHML-50DT	19620	EA	25	250	8	C
4.61	• CHML-50DTC	19650	EA	25	250	8	C
2.82	• CHML-75DT	19621	EA	25	250	12	C
4.94	• CHML-75DTC	19651	EA	25	250	12	C
30.53	CJC75120N	13683	W	5	25	152	-
27.71	CJC7512N	13681	W	5	25	139	-
27.71	CJC7548N	13682	W	5	25	144	-
80.39	CMT-2000-BO	00761	QA	-	1	-	-
129.51	CMT-2000-1	00762	QA	-	1	350	-
139.49	CMT-2000-2	00763	QA	-	1	350	-
94.02	CMT-2500-BO	00764	QA	-	1	-	-
148.64	CMT-2500-1	00765	QA	-	1	540	-
160.00	CMT-2500-2	00766	QA	-	1	540	-
120.91	CMT-3000-BO	00767	QA	-	1	-	-
187.10	CMT-3000-1	00768	QA	-	1	740	-
199.18	CMT-3000-2	00769	QA	-	1	740	-
162.09	CMT-3500-BO	00770	QA	-	1	-	-
239.04	CMT-3500-1	00771	QA	-	1	900	-
251.35	CMT-3500-2	00772	QA	-	1	900	-
187.69	CMT-4000-BO	00773	QA	-	1	-	-
290.44	CMT-4000-1	00774	QA	-	1	1150	-
302.39	CMT-4000-2	00775	QA	-	1	1150	-
331.09	CMT-5000-BO	00776	QA	-	1	-	-
484.65	CMT-5000-1	00777	QA	-	1	1880	-
497.45	CMT-5000-2	00778	QA	-	1	1880	-
541.89	CMT-6000-BO	00779	QA	-	1	-	-
760.86	CMT-6000-1	00780	QA	-	1	3100	-

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773.85	CMT-6000-2	00781	QA	-	1	3100	-
22.36	CPSK2050N	13718	W	1	10	195	-
17.25	CPSK2075N	13719	W	1	10	204	-
53.21	CPU2050N	13714	W	-	5	600	-
53.21	CPU2075N	13715	W	-	5	600	-
153.55	CRA-150	00813	RA	-	1	300	-
183.42	CRA-200	00814	RA	-	1	450	-
287.69	CRA-300	00816	RA	-	1	1000	-
497.25	CRA-400	00817	RA	-	1	1800	-
792.39	CRA-500	00819	RA	-	1	2600	-
76.47	CRC-125	00820	RA	-	1	130	-
93.40	CRC-150	00822	RA	-	1	150	-
116.14	CRC-200	00823	RA	-	1	230	-
145.03	CRC-250	00825	RA	-	1	340	-
180.58	CRC-300	00826	RA	-	1	510	-
217.54	CRC-350	00828	RA	-	1	690	-
271.57	CRC-400	00829	RA	-	1	970	-
424.10	CRC-500	00831	RA	-	1	1300	-
530.74	CRC-600	00832	RA	-	1	1700	-
132.41	CRH-125	00834	RA	-	1	160	-
166.35	CRH-150	00835	RA	-	1	180	-
210.44	CRH-200	00837	RA	-	1	280	-
271.57	CRH-250	00838	RA	-	1	420	-
331.09	CRH-300	00840	RA	-	1	600	-
404.25	CRH-350	00841	RA	-	1	810	-
513.37	CRH-400	00843	RA	-	1	1100	-
758.90	CRH-500	00844	RA	-	1	1600	-
949.89	CRH-600	00846	RA	-	1	2000	-
60.53	CRN-125	00847	RA	-	1	130	-
73.84	CRN-150	00849	RA	-	1	150	-
90.29	CRN-200	00850	RA	-	1	230	-
110.62	CRN-250	00852	RA	-	1	340	-
134.97	CRN-300	00853	RA	-	1	510	-
160.66	CRN-350	00855	RA	-	1	690	-
194.78	CRN-400	00856	RA	-	1	970	-
308.77	CRN-500	00858	RA	-	1	1300	-
385.12	CRN-600	00859	RA	-	1	1700	-
41.55	CSBE-150P-0	00861	RA	-	1	36	-
64.61	CSBE-150P-1	00862	RA	-	1	36	-
52.46	CSBE-200P-0	00864	RA	-	1	110	-
74.88	CSBE-200P-1	00865	RA	-	1	110	-
63.72	CSBE-250P-0	00866	RA	-	1	130	-
86.14	CSBE-250P-1	00867	RA	-	1	130	-
73.84	CSBE-300P-0	00868	RA	-	1	190	-
93.72	CSBE-300P-1	00869	RA	-	1	190	-
84.41	CSBE-350P-0	00870	RA	-	1	340	-
106.17	CSBE-350P-1	00871	RA	-	1	340	-
94.60	CSBE-400P-0	00872	RA	-	1	380	-
116.89	CSBE-400P-1	00873	RA	-	1	380	-
127.33	CSBE-500P-0	00874	RA	-	1	540	-
149.28	CSBE-500P-1	00875	RA	-	1	540	-
174.86	CSBE-600P-0	00876	RA	-	1	810	-
196.22	CSBE-600P-1	00877	RA	-	1	810	-
51.24	CSBG-150P-0	00878	RA	-	1	70	-
74.19	CSBG-150P-1	00879	RA	-	1	70	-
66.80	CSBG-200P-0	00880	RA	-	1	170	-
89.26	CSBG-200P-1	00881	RA	-	1	170	-
83.20	CSBG-250P-0	00882	RA	-	1	240	-
105.64	CSBG-250P-1	00883	RA	-	1	240	-
100.14	CSBG-300P-0	00884	RA	-	1	340	-
120.00	CSBG-300P-1	00885	RA	-	1	340	-
117.98	CSBG-350P-0	00886	RA	-	1	510	-
139.88	CSBG-350P-1	00887	RA	-	1	510	-
136.48	CSBG-400P-0	00888	RA	-	1	600	-
159.24	CSBG-400P-1	00889	RA	-	1	600	-
190.53	CSBG-500P-0	00890	RA	-	1	900	-
213.28	CSBG-500P-1	00891	RA	-	1	900	-
259.16	CSBG-600P-0	00892	RA	-	1	1250	-
281.49	CSBG-600P-1	00893	RA	-	1	1250	-
41.55	CSBI-150P-0	00894	RA	-	1	36	-
64.61	CSBI-150P-1	00895	RA	-	1	36	-
52.46	CSBI-200P-0	00896	RA	-	1	110	-
74.88	CSBI-200P-1	00897	RA	-	1	110	-
63.72	CSBI-250P-0	00898	RA	-	1	130	-
86.14	CSBI-250P-1	00899	RA	-	1	130	-
73.84	CSBI-300P-0	00900	RA	-	1	190	-
93.72	CSBI-300P-1	00901	RA	-	1	190	-
106.17	CSBI-350P-1	00903	RA	-	1	340	-
84.41	CSBI-350P-0	00902	RA	-	1	340	-
94.60	CSBI-400P-0	00904	RA	-	1	380	-
116.89	CSBI-400P-1	00905	RA	-	1	380	-
127.33	CSBI-500P-0	00906	RA	-	1	540	-
149.28	CSBI-500P-1	00907	RA	-	1	540	-
174.86	CSBI-600P-0	00908	RA	-	1	810	-
196.22	CSBI-600P-1	00909	RA	-	1	810	-
75.11	CSMC-200P	00910	RA	-	1	110	-
89.33	CSMC-250P	00911	RA	-	1	130	-
102.75	CSMC-300P	00912	RA	-	1	190	-
118.76	CSMC-350P	00913	RA	-	1	340	-
129.69	CSMC-400P	00914	RA	-	1	380	-
170.61	CSMC-500P	00915	RA	-	1	540	-
234.60	CSMC-600P	00916	RA	-	1	810	-
482.52	CSMC-800P	00917	RA	-	1	-	-
67.89	CSME-200P	00922	RA	-	1	110	-
69.13	CSME-250P	95125	RA	-	1	130	-
79.04	CSME-300P	95100	RA	-	1	190	-
89.93	CSME-350P	00923	RA	-	1	340	-
99.90	CSME-400P	00924	RA	-	1	380	-
132.47	CSME-500P	00925	RA	-	1	540	-
189.58	CSME-600P	00926	RA	-	1	810	-
358.37	CSME-800P	00927	RA	-	1	-	-
590.26	CSME-1000P	00918	RA	-	1	-	-
832.08	CSME-1200P	00919	RA	-	1	-	-
1024.27	CSME-1400P	00920	RA	-	1	-	-
1243.77	CSME-1600P	00921	RA	-	1	-	-
72.31	CSMG-200P	00928	RA	-	1	170	-
86.63	CSMG-250P	00929	RA	-	1	240	-
105.23	CSMG-300P	00930	RA	-	1	340	-
123.55	CSMG-350P	00931	RA	-	1	510	-
141.68	CSMG-400P	00932	RA	-	1	600	-
194.78	CSMG-500P	00933	RA	-	1	900	-
262.55	CSMG-600P	00934	RA	-	1	1250	-
67.89	CSMI-200P	00939	RA	-	1	110	-
69.13	CSMI-250P	00940	RA	-	1	130	-
79.04	CSMI-300P	00941	RA	-	1	190	-
89.93	CSMI-350P	00942	RA	-	1	340	-
99.90	CSMI-400P	00943	RA	-	1	380	-
132.47	CSMI-500P	00944	RA	-	1	540	-
189.58	CSMI-600P	00945	RA	-	1	810	-
358.37	CSMI-800P	00946	RA	-	1	-	-
590.26	CSMI-1000P	00935	RA	-	1	-	-
832.08	CSMI-1200P	00936	RA	-	1	-	-
1024.27	CSMI-1400P	00937	RA	-	1	-	-
1243.77	CSMI-1600P	00938	RA	-	1	-	-
54.98	CSML-200P	00951	RA	-	1	110	-
76.78	CSML-250P	00952	RA	-	1	130	-

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86.38	CSML-300P	00953	RA	-	1	190	-
99.15	CSML-350P	00954	RA	-	1	340	-
118.03	CSML-400P	00955	RA	-	1	380	-
146.45	CSML-500P	00956	RA	-	1	540	-
197.64	CSML-600P	00957	RA	-	1	810	-
398.04	CSML-800P	00958	RA	-	1	-	-
648.54	CSML-1000P	00947	RA	-	1	-	-
913.91	CSML-1200P	00948	RA	-	1	-	-
1127.19	CSML-1400P	00949	RA	-	1	-	-
1555.02	CSML-1600P	00950	RA	-	1	-	-
116.33	CS1	00959	V	-	1	-	-
128.51	CS1A	00960	V	-	1	-	-
163.83	CS2	00961	V	-	1	-	-
189.57	CS2A	00962	V	-	1	-	-
211.25	CS3	00963	V	-	1	-	-
250.96	CS3A	00964	V	-	1	-	-
251.19	CS4	00965	V	-	1	-	-
314.55	CS4A	00966	V	-	1	-	-
18.85	• CT-2-125G	09940	NA	1	5	300	A
6.84	• CT-50G	09510	NA	10	50	59	A
8.25	• CT-75G	09515	NA	5	50	73	A
11.56	• CT-100G	09520	NA	5	25	117	A
14.66	• CT-125G	09525	NA	1	10	188	B
22.84	• CT-150G	09530	NA	1	5	318	B
46.69	• CT-200G	09535	NA	-	2	556	B
16.53	• CTC-150	09970	EA	1	5	180	B
16.53	• CTC-200	09973	EA	1	5	230	B
33.48	• CTC-250	09976	EA	1	5	280	C
33.48	• CTC-300	09979	EA	1	5	380	C
41.45	• CTC-350	09982	EA	1	2	420	C
41.45	• CTC-400	09985	EA	1	2	470	C
6.65	• CTC-0507	09964	EA	10	50	40	A
9.18	• CTC-1012	09967	EA	10	50	90	A
6.98	CTGC-6-25A	10000	MA	20	100	28	A
53.27	D-1502-1	00967	QA	-	1	63	-
65.00	D-1502-2	00968	QA	-	1	63	-
77.92	D-2002-1	00969	QA	-	1	81	-
90.62	D-2002-2	00970	QA	-	1	81	-
88.29	D-2502-1	00971	QA	-	1	110	-
101.26	D-2502-2	00972	QA	-	1	110	-
115.77	D-3002-1	00973	QA	-	1	140	-
130.51	D-3002-2	00974	QA	-	1	140	-
157.63	D-3502-1	00975	QA	-	1	260	-
170.61	D-3502-2	00976	QA	-	1	260	-
194.78	D-4002-1	00977	QA	-	1	330	-
219.44	D-4002-2	00978	QA	-	1	330	-
363.33	D-5002-1	00979	QA	-	1	360	-
378.22	D-5002-2	00980	QA	-	1	360	-
605.15	D-6002-1	00981	QA	-	1	530	-
620.03	D-6002-2	00982	QA	-	1	530	-
127.15	DB13FGG1I	13618	W	-	1	900	-
152.45	DB26FGG1I	13063	W	-	1	1000	-
22.67	DB-38	11000	BA	20	100	19	A
22.54	DB-50	11002	BA	20	100	21	A
99.49	DB200IGG	13291	W	-	1	700	-
8.00	DB300IG	13059	W	-	-	-	-
114.46	DB300IGG	13629	W	-	1	800	-
30.86	DBB-50	11004	BA	5	25	4	A
1039.36	DE126F14	00000	W	-	1	1200	-
937.75	DE126FB11	00000	W	-	1	1400	-
937.75	DE126FB14	00000	W	-	1	1400	-
1118.71	DE126FB21	00000	W	-	1	1400	-
1118.71	DE126FB24	00000	W	-	1	1400	-

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965.12	DE226F14	00000	W	-	1	1200	-
916.64	DE226FB11	00000	W	-	1	1400	-
916.64	DE226FB14	00000	W	-	1	1400	-
1044.36	DE226FB21	00000	W	-	1	1400	-
1044.36	DE226FB24	00000	W	-	1	1400	-
1263.03	DE1A26FB2GG1I	00000	W	-	1	2350	-
1183.66	DE1A26FGG14I	00000	W	-	1	2150	-
1253.20	DE1B26FB2GG1I	00000	W	-	1	2500	-
1173.87	DE1B26FGG14I	00000	W	-	1	2300	-
1253.20	DE1D26FB2GG1I	00000	W	-	1	2450	-
1173.87	DE1D26FGG14I	00000	W	-	1	2250	-
1253.20	DE1L26FB2GG1I	00000	W	-	1	2450	-
1173.87	DE1L26FGG14I	00000	W	-	1	2250	-
1218.83	DE1P26FB2GG1I	00000	W	-	1	2325	-
1138.49	DE1P26FGG14I	00000	W	-	1	2125	-
1218.45	DE1X26FB2GG1I	00000	W	-	1	2400	-
1139.11	DE1X26FGG14I	00000	W	-	1	2200	-
1198.07	DE2A26FB2GG1I	00000	W	-	1	2350	-
1169.42	DE2A26FGG14I	00000	W	-	1	2150	-
1178.85	DE2B26FB2GG1I	00000	W	-	1	2500	-
1099.02	DE2B26FGG14I	00000	W	-	1	2300	-
1178.85	DE2D26FB2GG1I	00000	W	-	1	2450	-
1099.02	DE2D26FGG14I	00000	W	-	1	2250	-
1178.85	DE2L26FB2GG1I	00000	W	-	1	2450	-
1099.02	DE2L26FGG14I	00000	W	-	1	2250	-
1144.47	DE2P26FB2GG1I	00000	W	-	1	2325	-
1065.24	DE2P26FGG14I	00000	W	-	1	2125	-
1144.09	DE2X26FB2GG1I	00000	W	-	1	2400	-
1064.86	DE2X26FGG14I	00000	W	-	1	2200	-
176.48	DEX3	00000	W	-	1	500	-
22.19	DM4	00000	W	-	1	100	-
31.92	DM4R	00000	W	-	1	100	-
96.27	DM10	00000	W	-	1	300	-
25.68	DM41	00000	W	-	1	400	-
39.50	DM41AM	00000	W	-	1	400	-
39.50	DM41BL	00000	W	-	1	400	-
39.50	DM41GR	00000	W	-	1	400	-
29.71	DM41P	00000	W	-	1	100	-
38.04	DM41PAM	00000	W	-	1	100	-
38.04	DM41PGR	00000	W	-	1	100	-
38.04	DM41PRE	00000	W	-	1	100	-
39.50	DM41RE	00000	W	-	1	400	-
34.89	DM41TS	00000	W	-	1	400	-
89.70	DM42	00000	W	-	1	700	-
100.24	DM42TS	00000	W	-	1	700	-
327.96	DM50LX14	00000	W	-	1	1250	-
327.96	DM50LXR14	00000	W	-	1	1300	-
115.63	DM65LRSA	00000	W	-	1	1100	-
372.97	DM70LX5	00000	W	-	1	1500	-
372.97	DM70LX8	00000	W	-	1	1400	-
372.97	DM70LXR5	00000	W	-	1	1550	-
372.97	DM70LXR8	00000	W	-	1	1450	-
394.04	DM100LX5	00000	W	-	1	1600	-
394.04	DM100LX8	00000	W	-	1	1550	-
394.04	DM100LXR5	00000	W	-	1	1650	-
394.04	DM100LXR8	00000	W	-	1	1600	-
398.63	DM100MA8	00000	W	-	1	1600	-
398.63	DM100MAR8	00000	W	-	1	1650	-
254.76	DM100MM5	00000	W	-	1	1250	-
254.76	DM100MM8	00000	W	-	1	1250	-
254.76	DM100MMR5	00000	W	-	1	1300	-
254.76	DM100MMR8	00000	W	-	1	1300	-
491.38	DM150LX5	00000	W	-	1	1700	-

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401.38	DM150LX8	00000	W	-	1	1650	-
401.38	DM150LXR5	00000	W	-	1	1750	-
401.38	DM150LXR8	00000	W	-	1	1700	-
311.56	DM175MA5	00000	W	-	1	1700	-
311.56	DM175MA8	00000	W	-	1	1600	-
311.56	DM175MAR5	00000	W	-	1	1750	-
311.56	DM175MAR8	00000	W	-	1	1675	-
274.93	DM175MM5	00000	W	-	1	1500	-
274.93	DM175MM8	00000	W	-	1	1400	-
274.93	DM175MMR5	00000	W	-	1	1550	-
274.93	DM175MMR8	00000	W	-	1	1450	-
471.54	DM250LX5	00000	W	-	1	2450	-
471.54	DM250LX8	00000	W	-	1	2450	-
513.20	DM250MA5	00000	W	-	1	1900	-
513.20	DM250MA8	00000	W	-	1	1800	-
513.20	DM250MAR5	00000	W	-	1	1950	-
513.20	DM250MAR8	00000	W	-	1	1875	-
322.59	DM250MM5	00000	W	-	1	1500	-
322.59	DM250MM8	00000	W	-	1	1500	-
322.59	DM250MMR5	00000	W	-	1	1600	-
322.59	DM250MMR8	00000	W	-	1	1550	-
572.20	DM400LX5	00000	W	-	1	2850	-
572.20	DM400LX8	00000	W	-	1	2850	-
548.86	DM400MA5	00000	W	-	1	2650	-
548.86	DM400MA8	00000	W	-	1	2650	-
450.51	DM400MM5	00000	W	-	1	2350	-
450.51	DM400MM8	00000	W	-	1	2350	-
525.01	DMA50LXRR5G14	00000	W	-	1	2175	-
570.00	DMA70LXRR5G8	00000	W	-	1	2325	-
67.91	DMA75	00000	W	-	1	250	-
67.91	DMA100	00000	W	-	1	250	-
591.08	DMA100LXRR5G8	00000	W	-	1	2475	-
505.67	DMA100MARR5G8	00000	W	-	1	2525	-
451.80	DMA100MMRR5G8	00000	W	-	1	2175	-
598.42	DMA150LXRR5G8	00000	W	-	1	2575	-
508.68	DMA175MARR5G8	00000	W	-	1	2550	-
471.98	DMA175MMRR5G8	00000	W	-	1	2325	-
710.24	DMA250MARR5G8	00000	W	-	1	2750	-
519.62	DMA250MMRR5G8	00000	W	-	1	2425	-
434.03	DMB50LXGG14	00000	W	-	1	2150	-
515.19	DMB50LXRR5G14	00000	W	-	1	2325	-
479.04	DMB70LXGG8	00000	W	-	1	2300	-
560.20	DMB70LXRR5G8	00000	W	-	1	2475	-
58.10	DMB75	00000	W	-	1	400	-
58.10	DMB100	00000	W	-	1	400	-
500.11	DMB100LXGG8	00000	W	-	1	2450	-
581.26	DMB100LXRR5G8	00000	W	-	1	2625	-
414.71	DMB100MAGG8	00000	W	-	1	2500	-
495.85	DMB100MARR5G8	00000	W	-	1	2675	-
360.84	DMB100MMGG8	00000	W	-	1	2150	-
441.99	DMB100MMRR5G8	00000	W	-	1	2325	-
507.45	DMB150LXGG8	00000	W	-	1	2550	-
588.60	DMB150LXRR5G8	00000	W	-	1	2725	-
417.63	DMB175MAGG8	00000	W	-	1	2500	-
498.80	DMB175MARR5G8	00000	W	-	1	2700	-
381.00	DMB175MMGG8	00000	W	-	1	2300	-
462.15	DMB175MMRR5G8	00000	W	-	1	2475	-
684.61	DMB250LXGG8	00000	W	-	1	3850	-
696.40	DMB250LXR5G8	00000	W	-	1	4500	-
645.25	DMB250LXRLSA8	00000	W	-	1	3950	-
619.27	DMB250MAGG8	00000	W	-	1	2700	-
700.43	DMB250MARR5G8	00000	W	-	1	2900	-
428.66	DMB250MMGG8	00000	W	-	1	2400	-
589.82	DMB250MMRR5G8	00000	W	-	1	2575	-
785.26	DMB400LXGG8	00000	W	-	1	4250	-
797.06	DMB400LXR5G8	00000	W	-	1	4900	-
745.91	DMB400LXRLSA8	00000	W	-	1	4350	-
761.93	DMB400MAGG8	00000	W	-	1	4050	-
773.72	DMB400MAR5G8	00000	W	-	1	4700	-
722.57	DMB400MARLSA8	00000	W	-	1	4150	-
663.58	DMB400MMGG8	00000	W	-	1	3750	-
675.37	DMB400MMR5G8	00000	W	-	1	4400	-
624.22	DMB400MMRLSA8	00000	W	-	1	3850	-
434.03	DMD50LXGG14	00000	W	-	1	2100	-
515.19	DMD50LXRR5G14	00000	W	-	1	2275	-
479.04	DMD70LXGG8	00000	W	-	1	2250	-
560.20	DMD70LXRR5G8	00000	W	-	1	2425	-
500.11	DMD100LXGG8	00000	W	-	1	2400	-
581.26	DMD100LXRR5G8	00000	W	-	1	2575	-
414.71	DMD100MAGG8	00000	W	-	1	2450	-
495.85	DMD100MARR5G8	00000	W	-	1	2625	-
360.84	DMD100MMGG8	00000	W	-	1	2100	-
441.99	DMD100MMRR5G8	00000	W	-	1	2275	-
58.10	DMD125	00000	W	-	1	350	-
58.10	DMD150	00000	W	-	1	350	-
507.45	DMD150LXGG8	00000	W	-	1	2500	-
588.60	DMD150LXRR5G8	00000	W	-	1	2675	-
417.63	DMD175MAGG8	00000	W	-	1	2450	-
498.80	DMD175MARR5G8	00000	W	-	1	2650	-
381.00	DMD175MMGG8	00000	W	-	1	2250	-
462.15	DMD175MMRR5G8	00000	W	-	1	2425	-
684.61	DMD250LXGG8	00000	W	-	1	3800	-
696.40	DMD250LXR5G8	00000	W	-	1	4450	-
645.25	DMD250LXRLSA8	00000	W	-	1	3900	-
619.27	DMD250MAGG8	00000	W	-	1	2650	-
700.43	DMD250MARR5G8	00000	W	-	1	2850	-
428.66	DMD250MMGG8	00000	W	-	1	2350	-
589.82	DMD250MMRR5G8	00000	W	-	1	2525	-
785.26	DMD400LXGG8	00000	W	-	1	4200	-
797.06	DMD400LXR5G8	00000	W	-	1	4850	-
745.91	DMD400LXRLSA8	00000	W	-	1	4300	-
761.93	DMD400MAGG8	00000	W	-	1	4000	-
773.72	DMD400MAR5G8	00000	W	-	1	4650	-
722.57	DMD400MARLSA8	00000	W	-	1	4100	-
663.58	DMD400MMGG8	00000	W	-	1	3700	-
675.37	DMD400MMR5G8	00000	W	-	1	4350	-
624.22	DMD400MMRLSA8	00000	W	-	1	3800	-
19.65	DMF2	00000	W	-	1	25	-
19.65	DMF3	00000	W	-	1	25	-
19.65	DMF5	00000	W	-	1	25	-
19.65	DMF8	00000	W	-	1	25	-
19.65	DMF10	00000	W	-	1	25	-
19.65	DMF15	00000	W	-	1	25	-
444.66	DMF70LXGG8	00000	W	-	1	2125	-
525.82	DMF70LXRR5G8	00000	W	-	1	2300	-
23.72	DMF75	00000	W	-	1	225	-
23.72	DMF100	00000	W	-	1	225	-
466.72	DMF100LXGG8	00000	W	-	1	2275	-
546.89	DMF100LXRR5G8	00000	W	-	1	2450	-
380.33	DMF100MAGG8	00000	W	-	1	2325	-
461.47	DMF100MARR5G8	00000	W	-	1	2500	-
326.46	DMF100MMGG8	00000	W	-	1	1975	-
407.61	DMF100MMRR5G8	00000	W	-	1	2150	-
473.07	DMF150LXGG8	00000	W	-	1	2375	-
554.23	DMF150LXRR5G8	00000	W	-	1	2550	-
383.25	DMF175MAGG8	00000	W	-	1	2325	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
464.42	DMF175MARR5G8	00000	W	-	1	2525	-
346.63	DMF175MMGG8	00000	W	-	1	2125	-
427.77	DMF175MMRR5G8	00000	W	-	1	2300	-
658.23	DMF250LXGG8	00000	W	-	1	3675	-
662.03	DMF250LXR5G8	00000	W	-	1	4325	-
610.88	DMF250LXRLSA8	00000	W	-	1	3775	-
584.89	DMF250MAGG8	00000	W	-	1	2525	-
666.05	DMF250MARR5G8	00000	W	-	1	2725	-
394.27	DMF250MMGG8	00000	W	-	1	2225	-
475.44	DMF250MMRR5G8	00000	W	-	1	2400	-
750.88	DMF400LXGG8	00000	W	-	1	4075	-
762.67	DMF400LXR5G8	00000	W	-	1	4725	-
711.53	DMF400LXRLSA8	00000	W	-	1	4175	-
727.55	DMF400MAGG8	00000	W	-	1	3875	-
739.33	DMF400MAR5G8	00000	W	-	1	4525	-
688.19	DMF400MARLSA8	00000	W	-	1	3975	-
629.28	DMF400MMGG8	00000	W	-	1	3575	-
640.99	DMF400MMR5G8	00000	W	-	1	4225	-
589.85	DMF400MMRLSA8	00000	W	-	1	3675	-
97.21	DMG1R	00000	W	-	1	525	-
97.21	DMG5R	00000	W	-	1	525	-
434.03	DML50LXGG14	00000	W	-	1	2100	-
515.19	DML50LXRR5G14	00000	W	-	1	2275	-
479.04	DML70LXGG8	00000	W	-	1	2250	-
568.28	DML70LXRR5G8	00000	W	-	1	2425	-
580.11	DML100LXGG8	00000	W	-	1	2400	-
581.26	DML100LXRR5G8	00000	W	-	1	2575	-
414.71	DML100MAGG8	00000	W	-	1	2450	-
495.85	DML100MARR5G8	00000	W	-	1	2625	-
360.04	DML100MMGG8	00000	W	-	1	2100	-
441.99	DML100MMRR5G8	00000	W	-	1	2275	-
58.10	DML125	00000	W	-	1	350	-
58.10	DML150	00000	W	-	1	350	-
507.45	DML150LXGG8	00000	W	-	1	2500	-
588.60	DML150LXRR5G8	00000	W	-	1	2675	-
417.63	DML175MAGG8	00000	W	-	1	2450	-
498.80	DML175MARR5G8	00000	W	-	1	2650	-
381.00	DML175MMGG8	00000	W	-	1	2250	-
462.15	DML175MMRR5G8	00000	W	-	1	2425	-
684.61	DML250LXGG8	00000	W	-	1	3800	-
696.40	DML250LXR5G8	00000	W	-	1	4450	-
645.25	DML250LXRLSA8	00000	W	-	1	3900	-
619.27	DML250MAGG8	00000	W	-	1	2650	-
700.43	DML250MARR5G8	00000	W	-	1	2850	-
428.66	DML250MMGG8	00000	W	-	1	2350	-
509.82	DML250MMRR5G8	00000	W	-	1	2525	-
785.26	DML400LXGG8	00000	W	-	1	4200	-
797.06	DML400LXR5G8	00000	W	-	1	4850	-
745.91	DML400LXRLSA8	00000	W	-	1	4300	-
781.93	DML400MAGG8	00000	W	-	1	4000	-
773.72	DML400MAR5G8	00000	W	-	1	4650	-
722.57	DML400MARLSA8	00000	W	-	1	4100	-
663.58	DML400MMGG8	00000	W	-	1	3700	-
675.37	DML400MMR5G8	00000	W	-	1	4350	-
624.22	DML400MMRLSA8	00000	W	-	1	3800	-
399.66	DMP50LXGG14	00000	W	-	1	1975	-
480.81	DMP50LXRR5G14	00000	W	-	1	2150	-
444.66	DMP70LXGG8	00000	W	-	1	2125	-
525.82	DMP70LXRR5G8	00000	W	-	1	2300	-
23.72	DMP75	00000	W	-	1	225	-
23.72	DMP100	00000	W	-	1	225	-
465.72	DMP100LXGG8	00000	W	-	1	2275	-
546.89	DMP100LXRR5G8	00000	W	-	1	2450	-

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386.33	DMP100MAGG8	00000	W	-	1	2325	-
461.47	DMP100MARR5G8	00000	W	-	1	2500	-
326.46	DMP100MMGG8	00000	W	-	1	1975	-
407.61	DMP100MMRR5G8	00000	W	-	1	2150	-
473.07	DMP150LXGG8	00000	W	-	1	2375	-
554.23	DMP150LXRR5G8	00000	W	-	1	2550	-
383.25	DMP175MAGG8	00000	W	-	1	2325	-
464.42	DMP175MARR5G8	00000	W	-	1	2525	-
346.63	DMP175MMGG8	00000	W	-	1	2125	-
427.77	DMP175MMRR5G8	00000	W	-	1	2300	-
658.23	DMP250LXGG8	00000	W	-	1	3675	-
662.03	DMP250LXR5G8	00000	W	-	1	4325	-
610.88	DMP250LXRLSA8	00000	W	-	1	3775	-
584.89	DMP250MAGG8	00000	W	-	1	2525	-
666.05	DMP250MARR5G8	00000	W	-	1	2725	-
394.27	DMP250MMGG8	00000	W	-	1	2225	-
475.44	DMP250MMRR5G8	00000	W	-	1	2400	-
750.88	DMP400LXGG8	00000	W	-	1	4075	-
762.67	DMP400LXR5G8	00000	W	-	1	4725	-
711.53	DMP400LXRLSA8	00000	W	-	1	4175	-
727.55	DMP400MAGG8	00000	W	-	1	3875	-
739.33	DMP400MAR5G8	00000	W	-	1	4525	-
688.19	DMP400MARLSA8	00000	W	-	1	3975	-
629.28	DMP400MMGG8	00000	W	-	1	3575	-
640.99	DMP400MMR5G8	00000	W	-	1	4225	-
589.85	DMP400MMRLSA8	00000	W	-	1	3675	-
48.92	DMR4	00000	W	-	1	450	-
125.85	DMRG24	00000	W	-	1	1200	-
125.85	DMRG54	00000	W	-	1	1200	-
111.35	DMRP5	00000	W	-	1	250	-
398.28	DMX50LXGG14	00000	W	-	1	2050	-
480.43	DMX50LXRR5G14	00000	W	-	1	2225	-
444.29	DMX70LXGG8	00000	W	-	1	2200	-
525.43	DMX70LXRR5G8	00000	W	-	1	2375	-
23.34	DMX75	00000	W	-	1	300	-
23.34	DMX100	00000	W	-	1	300	-
465.35	DMX100LXGG8	00000	W	-	1	2350	-
546.50	DMX100LXRR5G8	00000	W	-	1	2525	-
378.94	DMX100MAGG8	00000	W	-	1	2400	-
461.10	DMX100MARR5G8	00000	W	-	1	2575	-
326.86	DMX100MMGG8	00000	W	-	1	2050	-
407.23	DMX100MMRR5G8	00000	W	-	1	2225	-
472.69	DMX150LXGG8	00000	W	-	1	2450	-
553.84	DMX150LXRR5G8	00000	W	-	1	2625	-
382.88	DMX175MAGG8	00000	W	-	1	2400	-
464.03	DMX175MARR5G8	00000	W	-	1	2600	-
346.24	DMX175MMGG8	00000	W	-	1	2200	-
427.40	DMX175MMRR5G8	00000	W	-	1	2375	-
649.86	DMX250LXGG8	00000	W	-	1	3750	-
662.03	DMX250LXR5G8	00000	W	-	1	4325	-
610.88	DMX250LXRLSA8	00000	W	-	1	3775	-
584.59	DMX250MAGG8	00000	W	-	1	2600	-
665.65	DMX250MARR5G8	00000	W	-	1	2800	-
393.89	DMX250MMGG8	00000	W	-	1	2300	-
475.06	DMX250MMRR5G8	00000	W	-	1	2475	-
750.50	DMX400LXGG8	00000	W	-	1	4150	-
762.67	DMX400LXR5G8	00000	W	-	1	4725	-
711.53	DMX400LXRLSA8	00000	W	-	1	4175	-
727.16	DMX400MAGG8	00000	W	-	1	3950	-
739.33	DMX400MAR5G8	00000	W	-	1	4525	-
688.19	DMX400MARLSA8	00000	W	-	1	3975	-
628.83	DMX400MMGG8	00000	W	-	1	3650	-
640.99	DMX400MMR5G8	00000	W	-	1	4225	-

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589.85	DMX400MMRLSA8	00000	W	-	1	3675	-
47.32	DOZ-220-G	00983	RA	-	1	-	-
66.44	DOZ-220-G2	00984	RA	-	1	-	-
118.78	DOZ-220-G5	00985	RA	-	1	-	-
28.74	DOZ-220-Q	00986	RA	-	1	-	-
47.32	DOZ-225-G	00987	RA	-	1	-	-
66.44	DOZ-225-G2	00988	RA	-	1	-	-
118.78	DOZ-225-G5	00989	RA	-	1	-	-
28.74	DOZ-225-Q	00990	RA	-	1	-	-
47.32	DOZ-230-G	00991	RA	-	1	-	-
66.44	DOZ-230-G2	00992	RA	-	1	-	-
118.78	DOZ-230-G5	00993	RA	-	1	-	-
28.74	DOZ-230-Q	00994	RA	-	1	-	-
213.26	DOZ-240-G	00995	RA	-	1	-	-
406.73	DOZ-240-G2	00996	RA	-	1	-	-
977.16	DOZ-240-G5	00997	RA	-	1	-	-
102.01	DP13FGG1I	13626	W	-	1	700	-
131.38	DP26FGG1I	13619	W	-	1	700	-
63.85	DP200IGG	13526	W	-	1	500	-
0.00	DP300IGAM	13185	W	-	-	-	-
76.38	DP300IGG	13630	W	-	1	600	-
0.00	DP300IGRE	13184	W	-	-	-	-
92.05	DR-1502-1	01000	QA	-	1	63	-
102.25	DR-1502-2	01001	QA	-	1	63	-
120.47	DR-2002-1	01002	QA	-	1	81	-
130.76	DR-2002-2	01003	QA	-	1	81	-
135.30	DR-2502-1	01004	QA	-	1	110	-
146.45	DR-2502-2	01005	QA	-	1	110	-
167.78	DR-3002-1	01006	QA	-	1	140	-
181.99	DR-3002-2	01007	QA	-	1	140	-
217.54	DR-3502-1	01008	QA	-	1	260	-
230.34	DR-3502-2	01009	QA	-	1	260	-
266.62	DR-4002-1	01010	QA	-	1	330	-
281.49	DR-4002-2	01011	QA	-	1	330	-
455.18	DR-5002-1	01012	QA	-	1	360	-
469.98	DR-5002-2	01013	QA	-	1	360	-
704.33	DR-6002-1	01014	QA	-	1	530	-
717.98	DR-6002-2	01015	QA	-	1	530	-
134.10	DS13FGG1I	13625	W	-	1	800	-
157.21	DS26FGG1I	13620	W	-	1	900	-
102.01	DS200IGG	13627	W	-	1	600	-
114.46	DS300IGG	13631	W	-	1	700	-
6.63	DT-38	00000	UA	-	-	-	-
7.47	DT-50	00000	UA	-	-	-	-
7.81	DT-75	00000	UA	-	-	-	-
8.80	DT-100	00000	UA	-	-	-	-
11.00	DT-125	00000	UA	-	-	-	-
13.89	DT-150	00000	UA	-	-	-	-
17.72	DT-200	00000	UA	-	-	-	-
26.36	DT-250	00000	UA	-	-	-	-
31.18	DT-300	00000	UA	-	-	-	-
43.82	DT-350	00000	UA	-	-	-	-
61.51	DT-400	00000	UA	-	-	-	-
88.88	DT-450	00000	UA	-	-	-	-
105.17	DT-500	00000	UA	-	-	-	-
175.08	DT-600	00000	UA	-	-	-	-
12.39	DTE-38	00000		-	-	-	-
12.39	DTE-50	00000		-	-	-	-
14.24	DTE-75	00000		-	-	-	-
15.76	DTE-100	00000		-	-	-	-
18.43	DTE-125	00000		-	-	-	-
25.70	DTE-150	00000		-	-	-	-
34.27	DTE-200	00000		-	-	-	-
50.68	DTE-250	00000		-	-	-	-
57.23	DTE-300	00000		-	-	-	-
68.80	DTE-350	00000		-	-	-	-
80.54	DTE-400	00000		-	-	-	-
107.28	DTE-450	00000		-	-	-	-
116.80	DTE-500	00000		-	-	-	-
150.80	DTE-600	00000		-	-	-	-
6.37	• DUX-1	11500	PA	-	50	100	A
22.35	• DUX-5	11505	PA	-	10	500	A
129.46	DW13FGG1I	13624	W	-	1	800	-
152.59	DW26FGG1I	13621	W	-	1	800	-
80.47	DW200IGG	13628	W	-	1	600	-
92.93	DW300IGG	13632	W	-	1	700	-
106.50	• DX-50	11525	CA	2	10	220	A
113.77	• DX-75	11527	CA	2	10	240	A
132.12	• DX-100	11529	CA	2	10	300	B
152.52	• DX-125	11531	CA	2	10	350	C
172.04	• DX-150	11533	CA	2	10	400	B
222.42	• DX-200	11535	CA	1	5	600	B
295.27	• DX-250	11537	CA	-	3	840	C
373.77	• DX-300	11539	CA	-	4	1080	C
451.17	• DX-350	11541	CA	-	3	1300	C
525.74	• DX-400	11543	CA	-	3	1500	B
827.77	• DX-500	11545	CA	-	2	1800	C
1380.04	• DX-600	11547	CA	-	1	2200	C
116.76	DX13FGG1I	13623	W	-	1	700	-
144.29	DX26FGG1I	13622	W	-	1	800	-
72.28	DX200IGG	13527	W	-	1	500	-
84.73	DX300IGG	13633	W	-	1	600	-
2280.23	D1P1X-6	08095	V	-	1	-	-
2357.45	D1P1X-8	08096	V	-	1	-	-
2429.09	D1P1X-10	08093	V	-	1	-	-
2501.67	D1P1X-12	08094	V	-	1	-	-
6107.13	D1P3X-26	08103	V	-	1	-	-
6169.56	D1P3X-28	08104	V	-	1	-	-
6252.48	D1P3X-30	08105	V	-	1	-	-
6314.93	D1P3X-32	08106	V	-	1	-	-
6395.56	D1P3X-34	08107	V	-	1	-	-
6459.15	D1P3X-36	08486	V	-	1	-	-
5.37	E17	11550	AA	10	50	75	A
6.44	E17-SA	89010	AA	10	50	25	C
5.99	E27	11551	AA	5	25	97	A
7.10	E27-SA	89011	AA	5	25	32	C
9.25	E37	11552	AA	5	25	-	A
10.61	E37-SA	89012	AA	5	25	-	C
93.93	ECGJH-50-10	11631	BA	-	1	136	A
100.44	ECGJH-50-12	11633	BA	-	1	150	A
112.18	ECGJH-50-15	11635	BA	-	1	171	A
122.97	ECGJH-50-18	11637	BA	-	1	191	A
133.88	ECGJH-50-21	11639	BA	-	1	212	A
143.95	ECGJH-50-24	11641	BA	-	1	233	A
157.03	ECGJH-50-27	11643	BA	-	1	254	A
168.07	ECGJH-50-30	11645	BA	-	1	274	A
180.82	ECGJH-50-33	11647	BA	-	1	295	B
190.11	ECGJH-50-36	11649	BA	-	1	316	A
70.76	ECGJH-50-4	11625	BA	-	1	94	A
78.63	ECGJH-50-6	11627	BA	-	1	108	A
85.98	ECGJH-50-8	11629	BA	-	1	122	A
116.94	ECGJH-75-10	11657	BA	-	1	225	A
126.72	ECGJH-75-12	11659	BA	-	1	248	A
141.88	ECGJH-75-15	11661	BA	-	1	282	A
157.67	ECGJH-75-18	11663	BA	-	1	315	A
173.59	ECGJH-75-21	11665	BA	-	1	349	A

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
190.11	ECGJH-75-24	11667	BA	-	1	383	A
209.21	ECGJH-75-27	11669	BA	-	1	417	C
230.06	ECGJH-75-30	11671	BA	-	1	450	A
237.84	ECGJH-75-33	11673	BA	-	1	483	B
253.01	ECGJH-75-36	11675	BA	-	1	518	A
85.26	ECGJH-75-4	11651	BA	-	1	158	A
96.17	ECGJH-75-6	11653	BA	-	1	181	A
106.58	ECGJH-75-8	11655	BA	-	1	203	A
183.22	ECGJH-100-10	11681	BA	-	1	257	A
202.51	ECGJH-100-12	11683	BA	-	1	283	A
236.94	ECGJH-100-15	11685	BA	-	1	323	A
260.38	ECGJH-100-18	11687	BA	-	1	363	A
282.49	ECGJH-100-21	11689	BA	-	1	403	A
305.83	ECGJH-100-24	11691	BA	-	1	443	A
331.09	ECGJH-100-27	11693	BA	-	1	483	B
354.66	ECGJH-100-30	11695	BA	-	1	523	B
376.97	ECGJH-100-33	11697	BA	-	1	563	B
400.54	ECGJH-100-36	11699	BA	-	1	603	B
172.20	ECGJH-100-6	11677	BA	-	1	205	A
185.98	ECGJH-100-8	11679	BA	-	1	231	A
320.57	ECGJH-125-12	11701	BA	-	1	488	A
354.66	ECGJH-125-15	11703	BA	-	1	540	B
381.93	ECGJH-125-18	11705	BA	-	1	592	B
411.69	ECGJH-125-21	11707	BA	-	1	645	B
443.93	ECGJH-125-24	11709	BA	-	1	697	B
472.45	ECGJH-125-27	11711	BA	-	1	750	B
502.22	ECGJH-125-30	11713	BA	-	1	802	B
528.26	ECGJH-125-33	11715	BA	-	1	854	B
558.02	ECGJH-125-36	11717	BA	-	1	905	B
439.71	ECGJH-150-12	11719	BA	-	1	772	A
484.46	ECGJH-150-15	11721	BA	-	1	846	C
512.17	ECGJH-150-18	11723	BA	-	1	920	A
558.32	ECGJH-150-21	11725	BA	-	1	994	C
582.19	ECGJH-150-24	11727	BA	-	1	1068	A
630.93	ECGJH-150-27	11729	BA	-	1	1142	C
665.99	ECGJH-150-30	11731	BA	-	1	1216	C
707.38	ECGJH-150-33	11733	BA	-	1	1290	C
743.60	ECGJH-150-36	11735	BA	-	1	1364	C
578.36	ECGJH-200-12	11737	BA	-	1	1205	C
623.42	ECGJH-200-15	11739	BA	-	1	1295	C
665.99	ECGJH-200-18	11741	BA	-	1	1385	C
716.56	ECGJH-200-21	11743	BA	-	1	1475	C
754.87	ECGJH-200-24	11745	BA	-	1	1565	C
812.45	ECGJH-200-27	11747	BA	-	1	1655	C
852.50	ECGJH-200-30	11749	BA	-	1	1745	C
897.58	ECGJH-200-33	11751	BA	-	1	1835	C
951.41	ECGJH-200-36	11753	BA	-	1	1925	C
116.13	ECHF-50-10	11778	BA	-	1	139	B
124.67	ECHF-50-12	11780	BA	-	1	154	B
137.09	ECHF-50-15	11781	BA	-	1	175	B
150.20	ECHF-50-18	11782	BA	-	1	196	B
90.36	ECHF-50-4	11775	BA	-	1	95	A
98.06	ECHF-50-6	11776	BA	-	1	110	A
108.58	ECHF-50-8	11777	BA	-	1	125	B
146.03	ECHF-75-10	11790	BA	-	1	229	B
157.03	ECHF-75-12	11791	BA	-	1	252	A
176.65	ECHF-75-15	11792	BA	-	1	286	B
164.12	ECHF-75-18	11793	BA	-	1	319	B
111.32	ECHF-75-4	11787	BA	-	1	161	A
123.55	ECHF-75-6	11788	BA	-	1	184	A
134.83	ECHF-75-8	11789	BA	-	1	207	A
96.52	ECLK-50-10	11831	BA	-	1	162	C
109.36	ECLK-50-12	11833	BA	-	1	176	A

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121.00	ECLK-50-15	11835	BA	-	1	197	A
131.35	ECLK-50-18	11837	BA	-	1	217	A
143.27	ECLK-50-21	11839	BA	-	1	238	A
155.03	ECLK-50-24	11841	BA	-	1	259	A
165.30	ECLK-50-27	11843	BA	-	1	280	A
177.70	ECLK-50-30	11845	BA	-	1	300	A
188.75	ECLK-50-33	11847	BA	-	1	321	A
201.14	ECLK-50-36	11849	BA	-	1	342	A
78.98	ECLK-50-4	11825	BA	-	1	120	A
85.91	ECLK-50-6	11827	BA	-	1	134	A
94.02	ECLK-50-8	11829	BA	-	1	148	A
126.23	ECLK-75-10	11857	BA	-	1	258	A
135.18	ECLK-75-12	11859	BA	-	1	281	A
151.54	ECLK-75-15	11861	BA	-	1	315	A
167.25	ECLK-75-18	11863	BA	-	1	348	A
184.59	ECLK-75-21	11865	BA	-	1	382	A
201.14	ECLK-75-24	11867	BA	-	1	416	A
216.29	ECLK-75-27	11869	BA	-	1	450	A
238.06	ECLK-75-30	11871	BA	-	1	483	A
250.49	ECLK-75-33	11873	BA	-	1	516	B
262.84	ECLK-75-36	11875	BA	-	1	551	A
93.44	ECLK-75-4	11851	BA	-	1	191	A
104.08	ECLK-75-6	11853	BA	-	1	214	A
114.62	ECLK-75-8	11855	BA	-	1	236	A
221.79	ECLK-100-10	11881	BA	-	1	305	A
236.94	ECLK-100-12	11883	BA	-	1	331	A
259.15	ECLK-100-15	11885	BA	-	1	371	A
281.26	ECLK-100-18	11887	BA	-	1	411	A
304.60	ECLK-100-21	11889	BA	-	1	451	A
331.09	ECLK-100-24	11891	BA	-	1	491	B
354.66	ECLK-100-27	11893	BA	-	1	531	B
376.97	ECLK-100-30	11895	BA	-	1	571	B
426.04	ECLK-100-33	11897	BA	-	1	611	B
426.57	ECLK-100-36	11899	BA	-	1	651	A
198.11	ECLK-100-6	11877	BA	-	1	253	A
208.61	ECLK-100-8	11879	BA	-	1	279	B
358.03	ECLK-125-12	11901	BA	-	1	633	C
386.62	ECLK-125-15	11903	BA	-	1	685	C
410.23	ECLK-125-18	11905	BA	-	1	737	A
451.91	ECLK-125-21	11907	BA	-	1	790	C
471.65	ECLK-125-24	11909	BA	-	1	842	A
512.00	ECLK-125-27	11911	BA	-	1	895	C
540.80	ECLK-125-30	11913	BA	-	1	947	C
568.34	ECLK-125-33	11915	BA	-	1	999	C
599.64	ECLK-125-36	11917	BA	-	1	1050	C
477.79	ECLK-150-12	11919	BA	-	1	976	A
524.53	ECLK-150-15	11921	BA	-	1	1050	C
545.01	ECLK-150-18	11923	BA	-	1	1124	A
598.38	ECLK-150-21	11925	BA	-	1	1198	C
620.25	ECLK-150-24	11927	BA	-	1	1268	A
677.25	ECLK-150-27	11929	BA	-	1	1346	C
700.09	ECLK-150-30	11931	BA	-	1	1420	A
744.85	ECLK-150-33	11933	BA	-	1	1494	C
762.73	ECLK-150-36	11935	BA	-	1	1568	A
633.76	ECLK-200-12	11937	BA	-	1	1538	A
696.03	ECLK-200-15	11939	BA	-	1	1628	C
725.88	ECLK-200-18	11941	BA	-	1	1718	A
787.41	ECLK-200-21	11943	BA	-	1	1808	C
821.69	ECLK-200-24	11945	BA	-	1	1898	A
885.06	ECLK-200-27	11947	BA	-	1	1988	C
923.86	ECLK-200-30	11949	BA	-	1	2078	C
982.70	ECLK-200-33	11951	BA	-	1	2168	C
999.78	ECLK-200-36	11953	BA	-	1	2258	A

EGS O-Z/GEDNEY

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3.82	• EF-50	12023	EA	20	100	20	A
4.14	• EF-75	12027	EA	20	100	25	A
5.14	• EF-100	12029	EA	100	20	35	A
197.71	EFD-M2G-1	01016	V	-	1	-	-
288.54	EFD-M2G-2	01017	V	-	1	-	-
169.27	EFD-M20	01020	V	-	1	-	-
197.71	EFD-M2W-1	01018	V	-	1	-	-
288.54	EFD-M2W-2	01019	V	-	1	-	-
192.29	EFD-TS21-20	01021	V	-	1	-	-
185.01	EFD-TS22-20	01022	V	-	1	-	-
216.30	EFD-TS22-30	11512	V	-	1	-	-
216.30	EFD-TS31-20	12011	V	-	1	-	-
174.56	EFH75120N	13721	W	-	1	610	-
174.85	EFH7548N	13720	W	-	1	600	-
29.23	EFHC7575N	13727	W	-	1	406	-
5.83	EFHF50N	13649	W	10	100	16	-
6.50	EFHM50N	13647	W	10	100	21	-
6.50	EFHM75N	13648	W	5	50	31	-
6.60	• EFL-50	12035	EA	5	20	55	A
8.00	• EFL-75	12037	EA	5	20	73	A
9.70	• EFL-100	12039	EA	5	20	98	A
161.15	EFS-M20	01027	V	-	1	-	-
189.57	EFS-M2G-1	01023	V	-	1	-	-
197.71	EFS-M2G-2	01024	V	-	1	-	-
189.57	EFS-M2W-1	01025	V	-	1	-	-
197.71	EFS-M2W-2	01026	V	-	1	-	-
181.46	EFS-TS21-20	01028	V	-	1	-	-
185.52	EFS-TS22-20	01029	V	-	1	-	-
216.30	EFS-TS22-30	11322	V	-	1	-	-
212.60	EFS-TS23-20	08419	V	-	1	-	-
216.30	EFS-TS23-30	11323	V	-	1	-	-
216.30	EFS-TS31-20	12009	V	-	1	-	-
5.20	EL-950	12300	BA	25	100	33	A
6.80	EL-975	12301	BA	25	100	60	A
9.04	EL-9100	12302	BA	5	25	85	A
14.43	EL-9125	12303	BA	5	25	130	A
20.82	EL-9150	12304	BA	5	25	240	A
33.26	EL-9200	12305	BA	1	5	364	A
6.97	ELFF-450	12350	BA	25	100	-	A
8.64	ELMF-950	12400	BA	25	100	-	A
483.76	ELS10	01030	V	-	1	-	-
320.32	ELS8	01031	V	-	1	-	-
33.05	ENGRAVE-1	00000	UA	-	1	-	-
55.08	ENGRAVE-2	00000	UA	-	1	-	-
76.53	ESD50N	13723	W	1	10	351	-
76.53	ESD75N	13724	W	1	10	330	-
1.78	• ESR-50	12600	EA	25	100	16	A
2.46	• ESR-75	12605	EA	25	100	25	A
3.82	• ESR-100	12610	EA	5	50	43	A
62.39	ESS50N	13725	W	1	10	223	-
62.39	ESS75N	13726	W	1	10	214	-
2.50	• ETR-50	12800	EA	25	250	13	A
3.57	• ETR-75	12805	EA	25	250	14	A
5.44	• ETR-100	12810	EA	20	100	25	A
8.57	• ETR-125	12815	EA	5	25	59	B
10.59	• ETR-150	12820	EA	4	20	68	B
15.23	• ETR-200	12825	EA	2	10	109	B
2.44	EW-1220S	12900	AB	5	25	2	B
4.35	EW-2530S	12901	AB	5	25	7	B
4.35	EW-3540S	12902	AB	5	25	7	B
2.44	EW7-1220S	00001	AB	5	25	0.2	B
4.35	EW7-2540S	00002	AB	5	25	0.7	B
48.50	• EX-50	13100	CA	-	10	180	C
57.67	• EX-75	13102	CA	-	10	300	A
71.23	• EX-100	13104	CA	-	10	400	B
89.46	• EX-125	13106	CA	-	5	450	B
125.80	• EX-150	13108	CA	-	5	680	B
180.21	• EX-200	13110	CA	-	2	1000	B
272.97	• EX-250	13112	CA	-	2	1300	C
363.97	• EX-300	13114	CA	-	2	1500	C
539.64	• EX-350	13116	CA	-	2	2150	C
632.19	• EX-400	13118	CA	-	1	2250	B
940.25	• EX-500	13120	CA	-	1	4100	C
1170.24	• EX-600	13122	CA	-	1	5650	C
63.64	• EXE-50	13300	CA	5	25	100	C
74.99	• EXE-75	13302	CA	5	25	150	A
96.82	• EXE-100	13304	CA	2	10	230	B
119.84	• EXE-125	13306	CA	2	10	280	B
127.16	• EXE-150	13308	CA	2	10	410	B
181.61	• EXE-200	13310	CA	1	5	600	B
274.24	• EXE-250	13312	CA	1	5	850	C
362.69	• EXE-300	13314	CA	-	2	970	C
526.99	• EXE-350	13316	CA	-	2	1230	C
625.93	• EXE-400	13318	CA	-	2	1470	B
914.97	• EXE-500	13320	CA	-	1	2550	C
1139.92	• EXE-600	13322	CA	-	1	3570	C
103.24	• EXPB-50	13500	CA	-	1	230	C
118.41	• EXPB-75	13502	CA	-	1	360	C
143.31	• EXPB-100	13504	CA	-	1	480	C
167.31	• EXPB-125	13506	CA	-	1	610	C
215.69	• EXPB-150	13508	CA	-	1	1080	C
284.17	• EXPB-200	13510	CA	-	1	1710	C
413.11	• EXPB-250	13512	CA	-	1	2440	C
523.26	• EXPB-300	13514	CA	-	1	3260	C
957.67	• EXPB-350	13516	CA	-	1	4570	C
1245.80	• EXPB-400	13518	CA	-	1	5500	C
1827.76	• EXPB-500	13520	CA	-	1	10500	C
2223.30	• EXPB-600	13522	CA	-	1	14400	C
82.40	EXTMK6V8WT	13748	W	-	1	100	-
82.40	EXTMK6V12WT	13751	W	-	1	100	-
82.40	EXTMK12V8WT	13749	W	-	1	100	-
82.40	EXTMK12V12WT	13750	W	-	1	100	-
9.92	EY-50	13700	BA	10	50	49	A
10.34	EY-50A	05673	BB	10	50	35	A
11.66	EY-75	13702	BA	10	50	75	A
12.04	EY-75A	05674	BB	10	50	40	A
14.99	EY-100	13704	BA	5	25	98	A
15.66	EY-100A	05675	BB	5	25	60	A
18.23	EY-125	13706	BA	4	20	210	A
27.66	EY-150	13708	BA	3	15	299	A
35.76	EY-200	13710	BA	2	10	484	A
10.74	EYM-50	08539	BA	10	50	-	A
12.63	EYM-75	05796	BA	10	50	-	A
16.15	EYM-100	05797	BA	5	25	-	A
20.51	EYM-125	08900	BA	4	20	-	A
30.32	EYM-150	08540	BA	3	15	-	A
39.41	EYM-200	09934	BA	2	10	-	A
9.92	EYA-50	13800	BA	10	50	60	A
10.34	EYA-50A	05676	BB	10	50	41	A
11.66	EYA-75	13802	BA	10	50	74	A
12.04	EYA-75A	05677	BB	10	50	50	A
14.99	EYA-100	13804	BA	5	25	142	A
15.58	EYA-100A	05679	BB	5	25	60	A
18.20	EYA-125	13806	BA	4	20	160	A
18.78	EYA-125A	05678	BB	4	20	70	A
27.40	EYA-150	13808	BA	3	15	206	A

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28.50	EYA-150A	05680	BB	3	15	60	A
35.50	EYA-200	13810	BA	2	10	320	A
36.93	EYA-200A	05681	BB	2	10	125	A
55.15	EYA-250	13812	BA	-	1	520	A
56.96	EYA-250A	05682	BB	-	1	150	A
87.39	EYA-300	13814	BA	-	1	801	A
70.23	EYA-300A	05683	BB	-	1	250	A
182.18	EYA-350	13816	BA	-	1	1020	A
186.78	EYA-350A	05684	BB	-	1	300	A
281.14	EYA-400	13818	BA	-	1	1298	A
293.87	EYA-400A	05685	BB	-	1	400	A
454.96	EYA-500	13819	BA	-	1	2370	C
601.55	EYA-600	13820	BA	-	1	3120	C
10.50	EYAM-50	13900	BA	10	50	65	A
12.39	EYAM-75	13901	BA	10	50	84	A
15.57	EYAM-100	13902	BA	5	25	157	A
20.58	EYAM-125	13903	BA	4	20	184	A
30.14	EYAM-150	13904	BA	3	15	238	A
39.21	EYAM-200	13905	BA	2	10	376	A
61.51	EYAM-250	13906	BA	-	1	600	A
77.46	EYAM-300	13907	BA	-	1	922	A
184.70	EYAM-350	13909	BA	-	1	1170	A
299.67	EYAM-400	13908	BA	-	1	1478	A
454.96	EYAM-500	13911	BA	-	1	266	C
601.55	EYAM-600	13913	BA	-	1	356	C
11.71	EYAX-50	11394	BA	10	50	75	A
11.76	EYAX-75	11393	BA	5	25	162	A
35.00	EYAX-100	11395	BA	4	20	190	A
65.77	EYAX-125	11396	BA	3	15	232	A
65.77	EYAX-150	11398	BA	2	10	392	A
122.08	EYAX-200	11399	BA	-	1	666	-
223.56	EYAX-250	11397	BA	-	1	1091	A
336.14	EYAX-300	11400	BA	-	1	1350	A
23.12	EYC-5-LB	14000	BA	-	5	610	A
5.47	EYC-8-OZ	14005	BA	1	12	62	A
49.73	EYC-10-LB	14010	BA	-	4	1110	A
8.85	EYC-16-OZ	14015	BA	1	12	113	A
34.70	EYD-50	14100	BA	10	50	85	A
36.09	EYD-75	14102	BA	10	50	105	A
42.94	EYD-100	14104	BA	5	25	167	A
45.47	EYD-125	14106	BA	2	10	260	A
58.37	EYD-150	14108	BA	3	15	290	A
84.58	EYD-200	14110	BA	2	10	380	A
91.71	EYD-250	14112	BA	-	1	838	B
130.39	EYD-300	14114	BA	-	1	951	A
203.60	EYD-350	14116	BA	-	1	1176	B
315.46	EYD-400	14118	BA	-	1	1314	B
35.41	EYDM-50	14130	BA	10	50	90	A
37.38	EYDM-75	14132	BA	10	50	115	A
43.94	EYDM-100	14134	BA	2	25	182	A
47.76	EYDM-125	14136	BA	2	10	284	A
60.85	EYDM-150	14138	BA	2	10	322	A
86.36	EYDM-200	14140	BA	2	10	436	A
97.09	EYDM-250	14142	BA	-	1	892	A
138.99	EYDM-300	14144	BA	-	1	1046	A
216.22	EYDM-350	14146	BA	-	1	1275	B
324.06	EYDM-400	14148	BA	-	1	1667	A
21.96	EYF-4	14400	BA	1	10	48	A
38.33	EYF-8	14006	BA	1	5	85	A
63.97	EYF-16	14410	BA	1	4	147	A
14.70	EYH-1015	14500	BA	5	25	100	A
17.27	EYH-1015SG	14510	BA	5	25	97	A
16.51	EYH-1220	14501	BA	5	25	125	A
19.82	EYH-1220SG	14511	BA	5	25	126	B
31.37	EYH-1520	14502	BA	5	25	130	A
35.03	EYH-1520SG	14512	BA	5	25	130	B
41.57	EYH-2025	14503	BA	3	15	180	A
49.17	EYH-2025SG	14513	BA	3	15	190	A
71.44	EYH-3040	14504	BA	1	5	450	A
86.88	EYH-3040SG	14514	BA	1	5	276	B
148.81	EYH-4050	14505	BA	1	5	695	A
188.52	EYH-4050SG	14515	BA	1	5	644	C
106.92	• EYMCJ-62-10	14900	BC	-	1	252	B
126.38	• EYMCJ-78-12	14902	BC	-	1	294	B
126.38	• EYMCJ-96-12	14904	BC	-	1	294	B
161.34	• EYMCJ-112-15	14906	BC	-	1	398	B
198.97	• EYMCJ-137-20	14908	BC	-	1	586	C
199.17	• EYMCJ-153-20	14910	BC	-	1	586	B
248.10	• EYMCJ-174-25	14912	BC	-	1	870	C
248.10	• EYMCJ-196-25	14914	BC	-	1	870	C
282.72	• EYMCJ-215-30	14916	BC	-	1	1292	B
285.42	• EYMCJ-234-30	14918	BC	-	1	1292	C
285.42	• EYMCJ-253-30	14920	BC	-	1	1292	C
443.16	• EYMCJ-280-35	14922	BC	-	1	1690	C
443.16	• EYMCJ-298-35	14924	BC	-	1	1690	C
617.16	• EYMCJ-323-40	14926	BC	-	1	2108	C
617.16	• EYMCJ-345-40	14928	BC	-	1	2108	C
83.09	• EYMCJC-62-10	14950	BC	-	1	267	B
101.42	• EYMCJC-78-12	14952	BC	-	1	314	B
73.44	• EYMCJC-96-12	14954	BC	-	1	314	B
137.15	• EYMCJC-112-15	14956	BC	-	1	388	B
161.34	• EYMCJC-137-20	14958	BC	-	1	606	C
162.68	• EYMCJC-153-20	14960	BC	-	1	606	B
285.01	• EYMCJC-174-25	14962	BC	-	1	940	C
285.01	• EYMCJC-196-25	14964	BC	-	1	940	C
254.28	• EYMCJC-215-30	14966	BC	-	1	1432	B
256.02	• EYMCJC-234-30	14968	BC	-	1	1432	C
256.02	• EYMCJC-253-30	14970	BC	-	1	1432	C
399.34	• EYMCJC-280-35	14972	BC	-	1	1860	C
399.34	• EYMCJC-298-35	14974	BC	-	1	1860	C
554.57	• EYMCJC-323-40	14976	BC	-	1	2448	C
554.57	• EYMCJC-345-40	14978	BC	-	1	2448	C
18.84	• EYTC-50	14800	BC	5	10	87	B
23.63	• EYTC-75	14803	BC	2	10	107	B
36.73	• EYTC-100	14806	BC	2	10	186	B
46.69	• EYTC-125	14809	BC	2	10	256	C
70.17	• EYTC-150	14812	BC	1	5	316	C
85.07	• EYTC-200	14815	BC	-	2	522	C
116.43	• EYTC-250	14818	BC	-	1	933	C
143.18	• EYTC-300	14821	BC	-	1	1280	C
10.51	EZS-50	14985	BA	1	5	287	A
21.09	EZS-75	14986	BA	1	5	302	A
26.68	EZS-100	14987	BA	1	5	334	A
34.54	EZS-125	14988	BA	1	5	312	A
51.88	EZS-150	14989	BA	1	5	355	A
66.78	EZS-200	14990	BA	1	5	438	A
110.05	EZS-250	14991	BA	-	1	821	A
165.49	EZS-300	14992	BA	-	1	934	A
691.88	EZS-350	14993	BA	-	1	1159	B
696.53	EZS-400	14994	BA	-	1	1296	A
9.39	FA4118	08108	V	-	1	-	-
60.86	FA4320X2	00000	V	-	1	-	-
60.86	FA4321X2	07064	V	-	1	-	-
5.92	FA4423	08113	V	-	1	-	-
4.52	FA4426P01	08114	V	-	1	-	-
4.52	FA4426P02	08115	V	-	1	-	-

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4.52	FA4426P03	08116	V	-	1	-	-
4.52	FA4426P04	08117	V	-	1	-	-
10.58	FA4708	08118	V	-	1	-	-
480.19	FB1167X1	08436	V	-	1	-	-
480.19	FB1167X2	08437	V	-	1	-	-
480.19	FB1167X3	08438	V	-	1	-	-
480.19	FB1167X4	08439	V	-	1	-	-
480.19	FB1167X5	08440	V	-	1	-	-
480.19	FB1167X6	08516	V	-	1	-	-
480.19	FB1167X7	08441	V	-	1	-	-
480.19	FB1167X8	08442	V	-	1	-	-
480.19	FB1167X9	08443	V	-	1	-	-
31.06	FB-50-03-1	15000	LA	-	1	4	-
34.83	FB-100-05-1	15003	LA	-	1	8	-
38.70	FB-150-05-2	15006	LA	-	1	3	-
44.18	FB-200-07-1	15009	LA	-	1	8	-
46.40	FB-250-08-1	15012	LA	-	1	36	-
50.46	FB-300-10-1	15015	LA	-	1	49	-
54.24	FB-300-15-1	15018	LA	-	1	57	-
65.70	FB-300-20-1	15021	LA	-	1	93	-
56.00	FB-400-10-2	15024	LA	-	1	78	-
58.09	FB-400-15-2	15027	LA	-	1	89	-
72.29	FB-400-20-1	15030	LA	-	1	120	-
69.84	FB-500-15-1	15033	LA	-	1	120	-
76.35	FB-500-20-1	15036	LA	-	1	130	-
75.41	FB-600-15-1	15039	LA	-	1	130	-
88.14	FB-600-20-1	15042	LA	-	1	150	-
93.45	FB-700-20-2	15045	LA	-	1	180	-
103.15	FB-800-20-2	15048	LA	-	1	210	-
132.89	FB-900-20-2	15051	LA	-	1	240	-
140.61	FB-1000-20-3	15054	LA	-	1	280	-
151.74	FB-1100-20-4	15057	LA	-	1	350	-
155.92	FB-1200-20-4	15060	LA	-	1	360	-
165.68	FB-1300-20-4	15063	LA	-	1	450	-
182.26	FB-1400-20-4	15066	LA	-	1	450	-
190.74	FB-1500-20-3	15069	LA	-	1	530	-
15.08	FD-1-100	20102	AE	1	5	271	A
12.98	FD-1-50	20100	AE	1	5	270	A
13.00	FD-1-50A	05610	AE	1	5	113	A
14.81	FD-1-75	20101	AE	1	5	294	A
14.18	FD-1-75A	05611	AE	1	5	113	A
24.84	FD-2-100	20114	AE	1	5	392	A
23.45	FD-2-50	20112	AE	1	5	378	A
23.95	FD-2-75	20113	AE	1	5	405	A
14.55	FDA-1-50	20124	AE	1	5	302	A
15.75	FDA-1-75	20125	AE	1	5	290	A
16.85	FDC-1-100	20137	AE	1	5	332	A
14.72	FDC-1-50	20135	AE	1	5	218	A
14.74	FDC-1-50A	05614	AE	1	5	118	A
15.75	FDC-1-75	20136	AE	1	5	316	A
15.91	FDC-1-75A	05615	AE	1	5	118	A
31.05	FDC-2-100	20149	AE	1	5	421	A
24.62	FDC-2-50	20147	AE	1	5	408	A
25.32	FDC-2-75	20148	AE	1	5	400	A
18.46	FDCC-1-50	20159	AE	1	5	285	A
20.95	FDCC-1-75	20160	AE	1	5	286	A
24.14	FDCT-1-100	20172	AE	1	5	280	A
17.55	FDCT-1-50	20170	AE	1	5	265	A
20.85	FDCT-1-75	20171	AE	1	5	281	A
19.24	FDL-1-50	20182	AE	1	5	267	A
20.74	FDL-1-75	20183	AE	1	5	270	A
16.16	FDR-1-50	20193	AE	1	5	267	A
17.86	FDR-1-75	20194	AE	1	5	270	A

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20.48	FDX-1-50	20204	AE	1	5	276	A
24.72	FDX-1-75	20205	AE	1	5	287	A
4.75	• FF-050	15215	EA	10	100	28	A
5.52	• FF-075	15220	EA	10	50	41	A
9.36	• FF-100	15225	EA	5	25	71	A
12.62	• FF-125	15230	EA	5	25	102	B
17.94	• FF-150	15235	EA	2	10	157	B
28.93	• FF-200	15240	EA	1	10	273	B
52.54	• FF-250	15245	EA	1	10	330	C
74.13	• FF-300	15247	EA	1	5	400	C
308.95	FHH071LX480	00000	W	-	1	2500	-
308.95	FHH071LX4MT	00000	W	-	1	2500	-
313.51	FHH171LX480	00000	W	-	1	2500	-
313.51	FHH171LX4MT	00000	W	-	1	2500	-
316.62	FHH271LX480	00000	W	-	1	2800	-
316.62	FHH271LX4MT	00000	W	-	1	2800	-
279.16	FHH371MA480	00000	W	-	1	2800	-
279.16	FHH371MA4MT	00000	W	-	1	2800	-
234.21	FHH371MM480	00000	W	-	1	2800	-
234.21	FHH371MM4MT	00000	W	-	1	2800	-
29.04	FHH400V	00000	W	-	1	200	-
56.59	FHH400VS	00000	W	-	1	250	-
320.03	FHH471LX480	00000	W	-	1	3100	-
320.03	FHH471LX4MT	00000	W	-	1	3100	-
301.63	FHH471MA480	00000	W	-	1	3100	-
301.63	FHH471MA4MT	00000	W	-	1	3100	-
247.97	FHH471MM480	00000	W	-	1	3100	-
247.97	FHH471MM4MT	00000	W	-	1	3100	-
371.11	FHH671LX480	00000	W	-	1	6000	-
371.11	FHH671LX4MT	00000	W	-	1	6000	-
312.37	FHH671MA480	00000	W	-	1	5400	-
312.37	FHH671MA4MT	00000	W	-	1	5400	-
287.34	FHH671MM480	00000	W	-	1	5400	-
287.34	FHH671MM4MT	00000	W	-	1	5400	-
508.74	FHH851MA480	00000	W	-	1	7900	-
508.74	FHH851MA4MT	00000	W	-	1	7900	-
487.95	FHH851MM480	00000	W	-	1	7500	-
487.95	FHH851MM4MT	00000	W	-	1	7500	-
624.13	FHH871LX480	00000	W	-	1	7500	-
624.13	FHH871LX4MT	00000	W	-	1	7500	-
12.85	FHH1000SC	00000	W	-	1	150	-
35.98	FHH1000V	00000	W	-	1	800	-
61.03	FHH1000VS	00000	W	-	1	500	-
9.05	FHHF50N	13642	W	10	50	43	-
9.05	FHHF75N	13643	W	5	25	40	-
9.05	FHHM50N	13713	W	10	50	50	-
9.05	FHHM75N	13641	W	5	25	41	-
9.05	FHLF50N	13709	W	10	50	50	-
9.05	FHLF75N	13712	W	5	25	42	-
9.05	FHLM50N	13705	W	10	50	50	-
9.05	FHLM75N	13707	W	5	25	48	-
85.59	FHS1N	13196	W	-	1	630	-
9.38	FHS5075N	13650	W	5	50	98	-
9.05	FHSN50N	13644	W	-	100	20	-
9.05	FHSN75N	13645	W	-	100	24	-
9.05	FHSN100N	13646	W	-	100	26	-
249.42	FM26F1	00000	W	-	1	560	-
249.42	FM26F4	00000	W	-	1	560	-
249.42	FM26FR1	00000	W	-	1	650	-
249.42	FM26FR4	00000	W	-	1	650	-
249.42	FM32F1	00000	W	-	1	560	-
249.42	FM32F4	00000	W	-	1	560	-
249.42	FM32FR1	00000	W	-	1	650	-

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249.42	FM32FR4	00000	W	-	1	650	-
249.42	FM42F1	00000	W	-	1	560	-
249.42	FM42F4	00000	W	-	1	560	-
249.42	FM42FR1	00000	W	-	1	650	-
249.42	FM42FR4	00000	W	-	1	650	-
306.29	FM52F1	00000	W	-	1	560	-
306.29	FM52F4	00000	W	-	1	560	-
306.29	FM52FR1	00000	W	-	1	650	-
306.29	FM52FR4	00000	W	-	1	650	-
306.29	FM64F1	00000	W	-	1	560	-
306.29	FM64F4	00000	W	-	1	560	-
306.29	FM64FR1	00000	W	-	1	650	-
306.29	FM64FR4	00000	W	-	1	650	-
320.07	FM84F1	00000	W	-	1	560	-
320.07	FM84F4	00000	W	-	1	560	-
320.07	FM84FR1	00000	W	-	1	650	-
320.07	FM84FR4	00000	W	-	1	650	-
385.82	FMA26FGG1I	00000	W	-	1	1360	-
386.21	FMA32FGG1I	00000	W	-	1	1360	-
386.63	FMA42FGG1I	00000	W	-	1	1360	-
463.18	FMA52FGG1I	00000	W	-	1	1410	-
463.95	FMA64FGG1I	00000	W	-	1	1410	-
478.59	FMA84FGG1I	00000	W	-	1	1410	-
376.00	FMB26FGG1I	00000	W	-	1	1510	-
376.40	FMB32FGG1I	00000	W	-	1	1510	-
376.82	FMB42FGG1I	00000	W	-	1	1510	-
453.35	FMB52FGG1I	00000	W	-	1	1560	-
454.15	FMB64FGG1I	00000	W	-	1	1560	-
468.78	FMB84FGG1I	00000	W	-	1	1560	-
376.00	FMD26FGG1I	00000	W	-	1	1460	-
376.40	FMD32FGG1I	00000	W	-	1	1460	-
376.82	FMD42FGG1I	00000	W	-	1	1460	-
453.35	FMD52FGG1I	00000	W	-	1	1510	-
454.15	FMD64FGG1I	00000	W	-	1	1510	-
468.78	FMD84FGG1I	00000	W	-	1	1510	-
376.00	FML26FGG1I	00000	W	-	1	1460	-
376.40	FML32FGG1I	00000	W	-	1	1460	-
376.82	FML42FGG1I	00000	W	-	1	1460	-
453.35	FML52FGG1I	00000	W	-	1	1510	-
454.15	FML64FGG1I	00000	W	-	1	1510	-
468.78	FML84FGG1I	00000	W	-	1	1510	-
341.63	FMP26FGG1I	00000	W	-	1	1335	-
342.02	FMP32FGG1I	00000	W	-	1	1335	-
342.44	FMP42FGG1I	00000	W	-	1	1335	-
418.99	FMP52FGG1I	00000	W	-	1	1385	-
419.77	FMP64FGG1I	00000	W	-	1	1385	-
434.40	FMP84FGG1I	00000	W	-	1	1385	-
341.24	FMX26FGG1I	00000	W	-	1	1410	-
341.64	FMX32FGG1I	00000	W	-	1	1410	-
342.06	FMX42FGG1I	00000	W	-	1	1410	-
418.60	FMX52FGG1I	00000	W	-	1	1460	-
419.39	FMX64FGG1I	00000	W	-	1	1460	-
434.02	FMX84FGG1I	00000	W	-	1	1460	-
42.77	FR-100	01032	RA	-	1	38	-
44.89	FR-125	01033	RA	-	1	50	-
58.62	FR-150	01034	RA	-	1	63	-
53.74	FR-200	01035	RA	-	1	100	-
70.13	FR-250	01036	RA	-	1	180	-
91.51	FR-300	01037	RA	-	1	260	-
115.09	FR-350	01038	RA	-	1	290	-
145.03	FR-400	01039	RA	-	1	380	-
221.79	FR-500	01040	RA	-	1	810	-
287.69	FR-600	01041	RA	-	1	1200	-

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7.60	FS-1-BC	21100	AE	5	25	54	A
6.13	FS-1-BCA	05733	AE	5	25	20	A
2.16	FS-1-DCA	07127	AE	5	25	18	A
25.38	FS-1-WPCA	07131	AE	5	25	44	A
2.39	FS-1-BCS	21101	AE	-	50	14	A
2.11	FS-1-DC	06052	AE	5	25	54	A
2.95	FS-1-DCS	21110	AE	-	50	12	A
24.49	FS-1-GFCA	21120	AE	5	25	32	A
2.99	FS-1-LRCS	21150	AE	-	50	12	A
2.98	FS-1-SCS	21200	AE	-	50	14	A
2.98	FS-1-SG	21220	AE	10	50	3	A
2.99	FS-1-SRCS	21230	AE	-	50	12	A
27.38	FS-1-WDCA	21300	AE	5	25	32	A
23.35	FS-1-WRCA	21301	AE	5	25	31	A
26.22	FS-1-WSCA	21302	AE	1	50	50	A
12.75	FS-1-100	20402	AE	1	5	271	A
11.28	FS-1-50A	05609	AE	1	5	97	A
11.06	FS-1-50	20400	AE	1	5	267	A
11.64	FS-1-75	20401	AE	1	5	253	A
11.75	FS-1-75A	05604	AE	1	5	94	A
10.57	FS-2-BC	20601	AE	5	25	60	A
11.05	FS-2-BCA	05734	AE	5	25	23	A
3.34	FS-2-BCS	20611	AE	-	25	32	A
4.72	FS-2-DCS	20621	AE	-	25	18	A
4.74	FS-2-SCS	20661	AE	-	25	30	A
7.71	FS-2-SDCS	20670	AE	-	25	21	A
3.57	FS-2-SG	20672	AE	10	50	4	A
46.72	FS-2-WSCA	21303	AE	1	50	66	A
21.70	FS-2-100	20414	AE	1	5	240	A
20.02	FS-2-50	20412	AE	1	5	261	A
20.30	FS-2-75	20413	AE	1	5	223	A
21.82	FS-2-75A	05618	AE	1	5	130	A
26.82	FS-2T-75	20424	AE	1	5	340	A
11.23	FSA-1-50	20434	AE	1	5	220	A
12.96	FSA-1-75	20435	AE	1	5	227	A
16.82	FSC-1-100	20447	AE	1	5	248	A
12.21	FSC-1-50	20445	AE	1	5	215	A
12.37	FSC-1-50A	05612	AE	1	5	102	A
13.42	FSC-1-75	20446	AE	1	5	222	A
13.55	FSC-1-75A	05613	AE	1	5	102	A
25.44	FSC-2-100	20459	AE	1	5	310	A
21.27	FSC-2-50	20457	AE	1	5	265	A
22.19	FSC-2-75	20458	AE	1	5	298	A
22.28	FSC-2-75A	05619	AE	1	5	130	A
15.14	FSCC-1-50	20469	AE	1	5	228	A
28.02	FSCC-1-75	20470	AE	1	5	233	A
10.28	FSCC-1-75A	05616	AE	1	5	87	A
52.86	FSCS-20	01042	SA	-	1	-	-
61.26	FSCS-25	01044	SA	-	1	-	-
81.99	FSCS-30	01045	SA	-	1	-	-
91.65	FSCS-35	01047	SA	-	1	-	-
106.63	FSCS-40	01048	SA	-	1	-	-
118.33	FSCS-45	01051	SA	-	1	-	-
164.93	FSCS-50	01053	SA	-	1	-	-
187.69	FSCS-55	01056	SA	-	1	-	-
260.41	FSCS-70	01058	SA	-	1	-	-
389.37	FSCS-80	01060	SA	-	1	-	-
113.42	FSCS-2025	01043	SA	-	1	600	-
173.45	FSCS-3035	01046	SA	-	1	900	-
223.21	FSCS-4045	01050	SA	-	1	1300	-
349.70	FSCS-5055	01055	SA	-	1	1700	-
525.77	FSCS-7080	01059	SA	-	1	3850	-
65.97	FSCS-45-CEV	01052	SA	-	1	350	-

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119.54	FSCS-55-CEV	01057	SA	-	1	400	-
164.93	FSCS-400-CEV	01049	SA	-	1	1400	-
255.45	FSCS-500-CEV	01054	SA	-	1	1600	-
22.56	FSCT-1-100	20482	AE	1	5	259	A
15.66	FSCT-1-50	20480	AE	1	5	239	A
18.37	FSCT-1-75	20481	AE	1	5	244	A
103.22	FSK-10-113	01061	SA	-	1	600	-
103.22	FSK-10-138	01062	SA	-	1	600	-
103.22	FSK-10-68	01063	SA	-	1	600	-
103.22	FSK-10-88	01064	SA	-	1	600	-
159.24	FSK-20-166	01098	SA	-	1	900	-
159.24	FSK-20-193	01099	SA	-	1	900	-
159.24	FSK-20-213	01101	SA	-	1	900	-
159.24	FSK-20-250	01102	SA	-	1	900	-
206.15	FSK-30-263	01158	SA	-	1	1300	-
206.15	FSK-30-288	01159	SA	-	1	1300	-
206.15	FSK-30-313	01163	SA	-	1	1300	-
206.15	FSK-30-350	01164	SA	-	1	1300	-
318.68	FSK-40-366	01173	SA	-	1	1700	-
318.68	FSK-40-380	01174	SA	-	1	1700	-
318.68	FSK-40-410	01175	SA	-	1	1700	-
318.68	FSK-40-450	01176	SA	-	1	1700	-
453.86	FSK-60-480	01184	SA	-	1	3850	-
453.86	FSK-60-506	01185	SA	-	1	3850	-
453.86	FSK-60-530	01186	SA	-	1	3850	-
453.86	FSK-60-563	01187	SA	-	1	3850	-
453.86	FSK-60-610	01188	SA	-	1	3850	-
453.86	FSK-60-663	01189	SA	-	1	3850	-
51.88	FSK-68-25	01193	SA	-	1	-	-
51.88	FSK-88-25	01197	SA	-	1	-	-
1253.69	FSK-100-1000	01065	SA	-	1	9000	-
1253.69	FSK-100-713	01066	SA	-	1	9000	-
1253.69	FSK-100-813	01067	SA	-	1	9000	-
1253.69	FSK-100-863	01068	SA	-	1	9000	-
51.88	FSK-113-25	01074	SA	-	1	-	-
51.88	FSK-138-25	01080	SA	-	1	-	-
1723.66	FSK-140-1113	01081	SA	-	1	12000	-
1723.66	FSK-140-1150	01082	SA	-	1	12000	-
1723.66	FSK-140-1200	01083	SA	-	1	12000	-
1723.66	FSK-140-1275	01084	SA	-	1	12000	-
1723.66	FSK-140-1331	01085	SA	-	1	12000	-
1723.66	FSK-140-1350	01086	SA	-	1	12000	-
1723.66	FSK-140-1413	01087	SA	-	1	12000	-
76.10	FSK-166-35	01091	SA	-	1	-	-
3043.88	FSK-180-1600	01092	SA	-	1	19500	-
3043.88	FSK-180-1800	01093	SA	-	1	19500	-
76.10	FSK-193-35	01096	SA	-	1	-	-
76.10	FSK-213-35	01107	SA	-	1	-	-
76.10	FSK-250-35	01143	SA	-	1	-	-
98.55	FSK-263-45	01144	SA	-	1	-	-
98.55	FSK-288-45	01155	SA	-	1	-	-
98.55	FSK-313-45	01169	SA	-	1	-	-
98.55	FSK-350-45	01170	SA	-	1	-	-
153.55	FSK-366-55	01171	SA	-	1	-	-
153.55	FSK-380-55	01172	SA	-	1	-	-
153.55	FSK-410-55	01178	SA	-	1	-	-
153.55	FSK-450-55	01179	SA	-	1	-	-
217.54	FSK-480-80	01180	SA	-	1	-	-
217.54	FSK-506-80	01181	SA	-	1	-	-
217.54	FSK-530-80	01182	SA	-	1	-	-
217.54	FSK-563-80	01183	SA	-	1	-	-
217.54	FSK-610-80	01191	SA	-	1	-	-
217.54	FSK-663-80	01192	SA	-	1	-	-
556.78	FSK-713-120	01194	SA	-	1	-	-
556.78	FSK-813-120	01195	SA	-	1	-	-
541.89	FSK-863-120	01196	SA	-	1	-	-
541.89	FSK-913-120	01198	SA	-	1	-	-
541.89	FSK-943-120	01199	SA	-	1	-	-
541.89	FSK-1000-120	01069	SA	-	1	-	-
52.86	FSK-1020	01071	SA	-	1	-	-
556.78	FSK-1075-120	01072	SA	-	1	-	-
737.82	FSK-1113-160	01073	SA	-	1	-	-
737.82	FSK-1150-160	01075	SA	-	1	-	-
737.82	FSK-1200-160	01076	SA	-	1	-	-
737.82	FSK-1275-160	01077	SA	-	1	-	-
737.82	FSK-1331-160	01078	SA	-	1	-	-
737.82	FSK-1350-160	01079	SA	-	1	-	-
737.82	FSK-1413-160	01089	SA	-	1	-	-
1377.69	FSK-1600-200	01090	SA	-	1	-	-
1377.69	FSK-1800-200	01094	SA	-	1	-	-
61.99	FSK-2030	01105	SA	-	1	-	-
100.53	FSK-3040	01168	SA	-	1	-	-
163.58	FSK-4050	01177	SA	-	1	-	-
265.37	FSK-6070	01190	SA	-	1	-	-
700.62	FSK-100120	01070	SA	-	1	-	-
885.83	FSK-140160	01088	SA	-	1	-	-
1466.62	FSK-180200	01095	SA	-	1	-	-
85.31	FSKA-10	01200	SA	-	1	-	-
106.63	FSKA-20	01204	SA	-	1	-	-
127.96	FSKA-30	01205	SA	-	1	-	-
169.19	FSKA-40	01206	SA	-	1	-	-
214.78	FSKA-60	01207	SA	-	1	-	-
329.86	FSKA-100	01201	SA	-	1	-	-
472.46	FSKA-140	01202	SA	-	1	-	-
784.94	FSKA-180	01203	SA	-	1	-	-
12.46	FSL-1-50	20492	AE	1	5	229	A
16.96	FSL-1-75	20493	AE	1	5	220	A
12.46	FSR-1-50	20503	AE	1	5	231	A
16.99	FSR-1-75	20504	AE	1	5	228	A
12.32	FSS-1-50	20514	AE	1	5	232	A
16.57	FSS-1-75	20515	AE	1	5	215	A
17.18	FSS-1-75A	05617	AE	1	5	80	A
16.15	FSX-1-50	20535	AE	1	5	251	A
22.19	FSX-1-75	20536	AE	1	5	253	A
8.54	G-04	13775	QA	-	-	-	-
10.04	G-04-S	13776	QA	-	-	-	-
11.25	G-22	13777	QA	-	-	-	-
12.66	G-22-S	13778	QA	-	-	-	-
15.66	G-24	13779	QA	-	-	-	-
18.67	G-24-S	13780	QA	-	-	-	-
9.13	G-50G	22070	MA	5	25	51	-
12.61	G-51G	22105	MA	5	25	70	-
16.55	G-52G	22140	MA	5	25	127	-
23.21	G-200B	23605	MA	5	25	59	-
7.62	G-200G	23805	MA	5	25	47	-
32.39	G-350B	23610	MA	2	10	101	-
17.89	G-350G	23810	MA	2	10	84	-
38.68	G-500B	23615	MA	5	25	160	-
23.51	G-500G	23815	MA	-	5	133	-
46.81	G-600B	23620	MA	-	5	170	-
29.55	G-600G	23820	MA	-	5	170	-
76.38	G-800B	23625	MA	-	5	241	-
38.76	G-800G	23825	MA	-	2	241	-
91.97	G-1000B	23630	MA	-	1	363	-
50.95	G-1000G	23830	MA	-	1	302	-
97.56	G-1200B	23635	MA	-	1	467	-

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58.33	G-1200G	23835	MA	-	1	388	-
1.73	GASK571	23850	AA	100	500	2	A
1.73	GASK572	23851	AA	100	500	2	A
2.37	GASK573	23852	AA	100	500	3	A
2.98	GASK574	23853	AA	50	250	3	A
2.98	GASK575	23854	AA	50	250	7	A
3.55	GASK576	23855	AA	-	50	9	A
5.85	GASK578	23857	AA	-	25	17	A
8.81	GASK579	23858	AA	-	25	25	A
2.25	GC-100-02B	23900	MA	10	50	18	-
4.62	GC-200-02B	23901	MA	5	25	179	-
2.98	GCA-100-04B	23905	MA	10	50	82	-
3.40	GCH-100-50-04B	23910	MA	5	25	43	-
3.40	GES-02	24400	MA	-	1	11	-
5.67	GF-19G	24401	MA	10	50	32	-
6.98	GH-50B	24420	MA	10	50	17	-
5.14	GH-50G	24500	MA	10	50	14	-
8.47	GH-75B	24425	MA	10	50	29	-
7.08	GH-75G	24505	MA	10	50	24	-
12.42	GH-100B	24430	MA	5	25	48	-
9.45	GH-100G	24510	MA	5	25	40	-
16.49	GH-125B	24435	MA	5	25	86	-
12.05	GH-125G	24515	MA	5	25	75	-
37.13	GHPHP12N	13694	W	1	3	200	-
37.13	GHPHP24N	13695	W	1	3	235	-
37.13	GHPHP27N	13696	W	1	3	274	-
39.33	GHPHP48N	13697	W	1	3	855	-
39.81	GHPHT12N	13698	W	1	3	323	-
39.81	GHPHT24N	13699	W	1	3	307	-
39.81	GHPHT27N	13701	W	1	3	323	-
42.01	GHPHT48N	13703	W	1	3	994	-
21.67	GL-150	01208	RA	-	1	-	-
29.47	GL-200	01209	RA	-	1	-	-
37.12	GL-250	01210	RA	-	1	-	-
45.12	GL-300	01211	RA	-	1	-	-
59.53	GL-350	01212	RA	-	1	-	-
70.96	GL-400	01213	RA	-	1	-	-
112.60	GL-500	01214	RA	-	1	-	-
160.66	GL-600	01215	RA	-	1	-	-
47.99	GPE-100	01216	RA	-	1	50	-
61.37	GPE-125	01217	RA	-	1	88	-
77.98	GPE-150	01218	RA	-	1	100	-
103.68	GPE-200	01219	RA	-	1	160	-
140.72	GPE-250	01220	RA	-	1	240	-
180.58	GPE-300	01221	RA	-	1	340	-
230.34	GPE-350	01222	RA	-	1	460	-
288.93	GPE-400	01223	RA	-	1	630	-
476.17	GPE-500	01224	RA	-	1	1000	-
670.86	GPE-600	01225	RA	-	1	1240	-
3.06	GRC-50-02B	24530	MA	25	100	42	C
3.67	GRC-62-02B	24532	MA	25	100	44	C
4.28	GRC-62-10B	24534	MA	25	100	48	C
4.41	GRC-75-10B	24536	MA	25	100	61	C
37.12	GRE-100	01226	RA	-	1	50	-
46.93	GRE-125	01227	RA	-	1	75	-
59.19	GRE-150	01228	RA	-	1	88	-
78.36	GRE-200	01229	RA	-	1	130	-
100.14	GRE-250	01230	RA	-	1	200	-
127.03	GRE-300	01231	RA	-	1	300	-
163.50	GRE-350	01232	RA	-	1	360	-
204.75	GRE-400	01233	RA	-	1	490	-
331.09	GRE-500	01234	RA	-	1	860	-
430.29	GRE-600	01235	RA	-	1	1180	-

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42.77	GRK-100	01236	RA	-	1	25	-
44.89	GRK-125	01237	RA	-	1	50	-
50.62	GRK-150	01238	RA	-	1	63	-
53.51	GRK-200	01239	RA	-	1	75	-
70.13	GRK-250	01240	RA	-	1	110	-
91.89	GRK-300	01241	RA	-	1	180	-
126.73	GRK-350	01242	RA	-	1	250	-
177.73	GRK-400	01243	RA	-	1	310	-
271.57	GRK-500	01244	RA	-	1	550	-
376.97	GRK-600	01245	RA	-	1	680	-
26.81	GUAC-50	24700	BA	1	5	268	A
26.57	GUAC-50A	05646	BB	1	5	115	A
26.94	GUAC-50CS	06088	BA	1	5	268	A
26.81	GUAC-50MC	08862	V	-	1	318	-
30.22	GUAC-75	25701	BA	1	5	277	A
30.25	GUAC-75A	05647	BB	1	5	115	A
30.50	GUAC-75CS	06091	BA	1	5	277	A
30.22	GUAC-75MC	08696	V	-	1	327	-
31.81	GUAC-100	24702	BA	1	5	306	A
31.57	GUAC-100A	05648	BB	1	5	115	A
31.96	GUAC-100CS	06083	BA	1	5	306	A
31.81	GUAC-100MC	08855	V	-	1	356	-
54.10	GUAC-125	24703	BA	1	5	630	A
53.40	GUAC-125A	05649	BB	1	5	175	A
54.10	GUAC-125CS	06084	BA	1	5	630	A
107.88	GUAC-150	24704	BA	-	1	990	A
106.24	GUAC-150A	05650	BB	-	5	247	A
107.59	GUAC-150CS	06085	BA	-	1	990	A
113.67	GUAC-200	24705	BA	-	1	1030	A
112.85	GUAC-200A	05651	BB	-	1	253	A
114.21	GUAC-200CS	06086	BA	-	1	1030	A
28.27	GUADC-1	24706	BA	1	5	240	A
27.41	GUAE-50	24710	BA	1	5	255	A
27.18	GUAE-50A	05670	BB	1	5	110	A
27.41	GUAE-50CS	06094	BA	1	5	255	A
27.41	GUAE-50MC	08868	V	-	1	305	-
27.88	GUAE-75	25711	BA	1	5	264	A
27.68	GUAE-75A	05671	BB	1	5	110	A
28.02	GUAE-75CS	06097	BA	1	5	264	A
27.88	GUAE-75MC	08871	V	-	1	314	-
28.94	GUAE-100	24712	BA	1	5	288	A
28.57	GUAE-100A	05672	BB	1	5	110	A
28.94	GUAE-100CS	06092	BA	1	5	288	A
28.94	GUAE-100MC	08870	V	-	1	338	-
54.10	GUAFC-50	24708	BA	1	5	315	A
54.10	GUAFC-75	24709	BA	1	5	315	A
24.04	GUAHC-50	24716	BA	1	5	123	A
26.02	GUAHC-75	24717	BA	1	5	123	A
26.81	GUAL-50	24720	BA	1	5	268	A
26.57	GUAL-50A	05652	BB	1	5	115	A
26.94	GUAL-50CS	06106	BA	1	5	268	A
26.81	GUAL-50MC	08865	V	-	1	318	-
30.22	GUAL-75	24721	BA	1	5	277	A
30.25	GUAL-75A	05653	BB	1	5	115	A
30.65	GUAL-75CS	06110	BA	1	5	277	A
30.22	GUAL-75MC	08700	V	-	1	327	-
31.52	GUAL-100	24722	BA	1	5	306	A
31.57	GUAL-100A	05654	BB	1	5	115	A
31.96	GUAL-100CS	06100	BA	1	5	306	A
31.52	GUAL-100MC	08866	V	-	1	356	-
54.02	GUAL-125	24723	BA	1	5	630	A
53.40	GUAL-125A	05655	BB	1	5	175	A
54.02	GUAL-125CS	06101	BA	1	5	630	A

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106.07	GUAL-150	24724	BA	-	1	990	A
106.24	GUAL-150A	05656	BB	-	1	247	A
107.59	GUAL-150CS	06102	BA	-	1	990	A
108.83	GUAL-200	24725	BA	-	1	1030	A
109.03	GUAL-200A	05657	BB	-	1	253	A
110.39	GUAL-200CS	06103	BA	-	1	1030	A
26.81	GUALB-50	24730	BA	1	5	268	A
26.57	GUALB-50A	05664	BB	1	5	115	A
26.94	GUALB-50CS	06118	BA	1	5	268	A
26.81	GUALB-50MC	08863	V	-	1	318	-
30.22	GUALB-75	24731	BA	1	5	277	A
30.25	GUALB-75A	05665	BB	1	5	115	A
30.65	GUALB-75CS	06121	BA	1	5	277	A
30.22	GUALB-75MC	08858	V	-	1	327	-
31.81	GUALB-100	24732	BA	1	5	306	A
31.57	GUALB-100A	05666	BB	1	5	115	A
31.96	GUALB-100CS	06113	BA	1	5	306	A
31.81	GUALB-100MC	08864	V	-	1	356	-
54.02	GUALB-125	24733	BA	1	5	630	A
53.40	GUALB-125A	05667	BB	1	5	175	A
54.02	GUALB-125CS	06115	BA	1	5	630	1
107.08	GUALB-150	24734	BA	-	1	990	A
106.24	GUALB-150A	05668	BB	-	1	247	A
107.59	GUALB-150CS	06116	BA	-	1	990	A
113.67	GUALB-200	24735	BA	-	1	1030	A
112.85	GUALB-200A	05669	BB	-	1	253	A
114.21	GUALB-200CS	06117	BA	-	1	1030	A
15.43	GUASC-1	24737	BA	1	5	140	A
30.22	GUAT-50	24740	BA	1	5	268	A
30.25	GUAT-50A	05639	BB	1	5	120	A
30.65	GUAT-50CS	06133	BA	1	5	268	A
30.22	GUAT-50MC	08860	V	-	1	318	-
32.09	GUAT-75	24741	BA	1	5	290	A
32.05	GUAT-75A	05641	BB	1	5	120	A
32.40	GUAT-75CS	06137	BA	1	5	290	A
32.09	GUAT-75MC	08701	V	-	1	340	-
33.39	GUAT-100	24742	BA	1	5	324	A
33.30	GUAT-100A	05642	BB	1	5	120	A
33.89	GUAT-100CS	06125	BA	1	5	324	A
33.39	GUAT-100MC	08749	V	-	1	374	-
57.19	GUAT-125	24743	BA	1	5	680	A
56.53	GUAT-125A	05643	BB	1	5	180	A
57.46	GUAT-125CS	06128	BA	1	5	680	A
116.38	GUAT-150	24744	BA	-	1	1050	A
116.61	GUAT-150A	05644	BB	-	1	252	A
118.05	GUAT-150CS	06129	BA	-	1	1050	A
120.14	GUAT-200	24745	BA	-	1	1029	A
119.79	GUAT-200A	05645	BB	-	1	258	A
121.86	GUAT-200CS	06130	BA	-	1	1029	A
39.24	GUATE-1	24747	BA	1	5	130	A
31.81	GUAX-50	24750	BA	1	5	294	A
31.57	GUAX-50A	05658	BB	1	5	125	A
31.96	GUAX-50CS	06146	BA	1	5	294	A
31.81	GUAX-50MC	08869	V	-	1	344	-
33.77	GUAX-75	24751	BA	1	5	303	A
33.87	GUAX-75A	05659	BB	1	5	125	A
34.25	GUAX-75CS	06148	BA	1	5	303	A
33.77	GUAX-75MC	08861	V	-	1	353	-
37.03	GUAX-100	24752	BA	1	5	342	A
37.06	GUAX-100A	05660	BB	1	5	125	A
37.56	GUAX-100CS	06140	BA	1	5	342	A
37.03	GUAX-100MC	08867	V	-	1	392	-
60.85	GUAX-125	24753	BA	1	5	680	A
60.36	GUAX-125A	05661	BB	1	5	210	A
61.15	GUAX-125CS	06143	BA	1	5	680	A
121.29	GUAX-150	24754	BA	-	1	1110	A
120.36	GUAX-150A	05662	BB	-	1	257	A
121.86	GUAX-150CS	06144	BA	-	1	1110	A
127.95	GUAX-200	24755	BA	-	1	1066	A
126.38	GUAX-200A	05663	BB	-	1	263	A
128.54	GUAX-200CS	06145	BA	-	1	1066	A
127.23	GUB-443	24571	V	-	1	1100	A
174.45	GUB-664	24572	V	-	1	2500	A
310.61	GUB-796A	24577	V	-	1	-	A
309.98	GUB-984	05443	V	-	1	3800	A
598.15	GUB-10105	24580	V	-	1	4200	B
212.42	GUBDC-4-1	01254	V	-	1	-	-
212.42	GUBDC-4-1A	01255	V	-	1	-	-
212.42	GUBDC-4-664	01256	V	-	1	-	C
338.59	GUBDC-6-2	01258	V	-	1	-	-
212.42	GUBDC-4-664A	01257	V	-	1	-	C
338.59	GUBDC-6-2A	01259	V	-	1	-	-
338.59	GUBDC-6-984	05444	V	-	1	-	C
338.59	GUBDC-6-984A	05445	V	-	1	-	-
575.84	GUBDC-8-21	01262	V	-	1	-	-
575.84	GUBDC-8-21A	01263	V	-	1	-	-
250.37	GUBDC-10-1	01246	V	-	1	-	-
250.37	GUBDC-10-1A	01247	V	-	1	-	-
723.69	GUBDC-10-3	01250	V	-	1	-	-
723.69	GUBDC-10-3A	01251	V	-	1	-	-
250.37	GUBDC-10-664	01252	V	-	1	-	C
250.37	GUBDC-10-664A	01253	V	-	1	-	C
723.69	GUBDC-10-10105	01248	V	-	1	-	C
723.69	GUBDC-10-10105A	01249	V	-	1	-	C
211.83	GUBSW-443	01272	V	-	1	-	A
300.44	GUBSW-664	01275	V	-	1	-	A
418.48	GUBSW-984	05448	V	-	1	-	A
803.56	GUBSW-10105	01266	V	-	1	-	B
3015.09	GUBSW-191710A	05763	V	-	1	-	-
51.65	GUEB7-100A	05842	BA	1	5	350	A
50.90	GUEB7-50A	05840	BA	1	5	380	A
50.18	GUEB7-75A	05841	BA	1	5	350	A
54.59	GUEB13-50A	05843	BA	1	5	360	A
60.01	GUEB13-75A	05844	BA	1	5	355	A
28.94	GUJC-50	24756	BA	1	5	268	A
28.94	GUJC-50CS	06888	BA	1	5	268	A
30.65	GUJC-75	24757	BA	1	5	277	A
30.65	GUJC-75CS	06889	BA	1	5	277	A
31.96	GUJC-100	24758	BA	1	5	306	A
31.96	GUJC-100CS	06887	BA	1	5	306	A
16.82	GUJDC-1	24760	BA	-	1	5	A
27.41	GUJE-50	24763	BA	1	5	255	A
27.41	GUJE-50CS	06891	BA	1	5	255	A
28.02	GUJE-75	24764	BA	1	5	264	A
28.02	GUJE-75CS	06892	BA	1	5	264	A
28.94	GUJE-100	24765	BA	1	5	288	A
28.94	GUJE-100CS	06890	BA	1	5	288	A
28.94	GUJL-50	24769	BA	1	5	268	A
28.94	GUJL-50CS	06894	BA	1	5	268	A
30.50	GUJL-75	24770	BA	1	5	277	A
30.50	GUJL-75CS	06895	BA	1	5	277	A
31.96	GUJL-100	24771	BA	1	5	306	A
31.96	GUJL-100CS	06893	BA	1	5	306	A
28.81	GUJLB-50	24775	BA	1	5	268	A
28.81	GUJLB-50CS	06897	BA	1	5	268	A
30.65	GUJLB-75	24776	BA	1	5	277	A

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
30.65	GUJLB-75CS	06898	BA	1	5	277	A
31.96	GUJLB-100	24777	BA	1	5	306	A
31.96	GUJLB-100CS	06896	BA	1	5	306	A
30.65	GUJT-50	24781	BA	1	5	281	A
30.65	GUJT-50CS	06900	BA	1	5	281	A
32.40	GUJT-75	24782	BA	-	1	290	A
32.40	GUJT-75CS	06901	BA	-	1	290	A
34.25	GUJT-100	24783	BA	1	5	324	A
34.25	GUJT-100CS	06899	BA	1	5	324	A
114.21	GUJT-125	24784	BA	1	5	720	A
114.21	GUJT-125CS	06152	BA	1	5	720	A
117.49	GUJT-150	24785	BA	-	1	1170	A
117.49	GUJT-150CS	06153	BA	-	1	1170	A
121.86	GUJT-200	24786	BA	-	1	1225	A
121.86	GUJT-200CS	06154	BA	-	1	1225	A
31.96	GUJX-50	24787	BA	1	5	294	A
31.96	GUJX-50CS	06903	BA	1	5	294	A
34.10	GUJX-75	24788	BA	1	5	303	A
34.10	GUJX-75CS	06904	BA	1	5	303	A
38.30	GUJX-100	24789	BA	1	5	342	A
38.30	GUJX-100CS	06902	BA	1	5	342	A
10.75	GWA-04B	24550	MA	10	50	16	-
9.34	GWD-25B	24560	MA	10	50	23	-
12.46	GWD-50B	24565	MA	10	50	47	-
0.41	• H-0-WBS	24805	EA	50	500	8	A
0.35	• H-0S	24800	EA	50	500	6	A
0.41	• H-1-WBS	24815	EA	50	250	10	A
0.35	• H-1S	24810	EA	50	250	9	A
0.64	• H-2 1-2-WBS	24835	EA	-	50	10	B
0.50	• H-2 1-2S	24830	EA	-	50	9	B
0.58	• H-2-WBS	24825	EA	50	200	10	A
0.50	• H-2S	24820	EA	50	200	9	A
0.64	• H-3-WBS	24845	EA	-	50	12	B
0.50	• H-3S	24840	EA	-	50	10	B
0.93	• H-4-WBS	24855	EA	-	50	16	B
0.64	• H-4S	24850	EA	-	50	15	B
1.00	• H-5-WBS	24865	EA	-	25	24	B
0.85	• H-5S	24860	EA	-	25	22	B
1.07	• H-6-WBS	24875	EA	-	25	27	C
0.93	• H-6S	24870	EA	-	25	25	C
1.30	• H-7-WBS	24885	EA	-	25	32	C
1.07	• H-7S	24880	EA	-	25	31	C
1.44	• H-8-WBS	24895	EA	-	25	41	C
1.23	• H-8S	24890	EA	-	25	33	C
3.61	• H-9-WBS	24905	EA	-	10	87	C
3.02	• H-9S	24900	EA	-	10	78	C
1.70	HB-50	26000	DA	100	500	4	A
2.79	HB-75	26002	DA	50	500	6	A
3.98	HB-100	26004	DA	50	250	11	A
5.80	HB-125	26006	DA	50	200	15	B
7.19	HB-150	26008	DA	25	100	18	B
10.41	HB-200	26010	DA	10	50	30	B
18.10	HB-250	26012	DA	5	25	48	C
24.62	HB-300	26014	DA	5	25	80	C
31.60	HB-350	26016	DA	5	25	98	C
39.72	HB-400	26018	DA	5	25	130	C
80.25	HB-500	26022	DA	-	5	230	C
123.92	HB-600	26024	DA	2	10	300	C
5.82	HBLG-0504	27020	DA	50	500	6	A
8.77	HBLG-0522	27021	DA	50	500	10	A
7.20	HBLG-0704	27022	DA	50	500	9	A
10.45	HBLG-0722	27023	DA	50	250	13	A
8.56	HBLG-1104	27025	DA	25	250	13	A
12.46	HBLG-1122	27026	DA	25	250	16	A
10.19	HBLG-1204	27027	DA	25	100	17	B
13.24	HBLG-1222	27028	DA	25	100	20	B
11.87	HBLG-1504	27030	DA	25	100	20	B
14.75	HBLG-1522	27031	DA	25	100	24	B
14.73	HBLG-2004	27032	DA	10	50	32	B
16.87	HBLG-2022	27033	DA	10	50	36	B
23.84	HBLG-2604	27035	DA	5	25	50	C
26.03	HBLG-2622	27036	DA	5	25	54	C
30.86	HBLG-2624	27037	DA	5	25	66	C
74.35	HBLG-2650	27038	DA	5	25	11	C
30.63	HBLG-3104	27040	DA	5	25	82	C
31.37	HBLG-3122	27041	DA	5	25	86	C
37.69	HBLG-3124	27042	DA	5	25	98	C
78.07	HBLG-3150	27044	DA	5	25	14	C
35.31	HBLG-3604	27045	DA	5	25	100	C
37.00	HBLG-3622	27046	DA	5	25	110	C
44.20	HBLG-3624	27047	DA	5	25	120	C
82.53	HBLG-3650	27048	DA	5	25	16	C
44.36	HBLG-4104	27050	DA	5	25	140	C
44.65	HBLG-4122	27051	DA	5	25	140	C
51.55	HBLG-4124	27052	DA	5	25	150	C
87.76	HBLG-4150	27054	DA	5	25	19.8	C
88.87	HBLG-5104	27060	DA	-	5	240	C
89.53	HBLG-5122	27061	DA	-	5	240	C
92.70	HBLG-5124	27062	DA	-	5	250	C
129.37	HBLG-5150	27064	DA	-	5	29.8	C
136.62	HBLG-6104	27065	DA	2	10	310	C
136.59	HBLG-6122	27066	DA	2	10	310	C
140.21	HBLG-6124	27067	DA	2	10	320	C
171.78	HBLG-6150	27069	DA	-	5	36.8	C
298.99	HNG-22A	00000	UA	-	-	-	-
298.99	HNG-22G	00000	UA	-	-	-	-
135.00	HNG-22SS	00000	UA	-	-	-	-
325.29	HNG-23A	00000	UA	-	-	-	-
325.29	HNG-23G	00000	UA	-	-	-	-
186.86	HNG-23SS	00000	UA	-	-	-	-
488.63	HNG-33A	00000	UA	-	-	-	-
488.63	HNG-33G	00000	UA	-	-	-	-
269.92	HNG-33SS	00000	UA	-	-	-	-
52.22	HPE-100	01282	RA	-	1	75	-
67.58	HPE-125	01283	RA	-	1	100	-
85.79	HPE-150	01284	RA	-	1	130	-
113.56	HPE-200	01285	RA	-	1	200	-
152.13	HPE-250	01286	RA	-	1	330	-
191.94	HPE-300	01287	RA	-	1	500	-
243.12	HPE-350	01288	RA	-	1	590	-
302.57	HPE-400	01289	RA	-	1	860	-
455.16	HPE-500	01290	RA	-	1	1400	-
670.31	HPE-600	01291	RA	-	1	1900	-
38.66	HRE-100	01292	RA	-	1	63	-
49.57	HRE-125	01293	RA	-	1	88	-
62.74	HRE-150	01294	RA	-	1	110	-
83.57	HRE-200	01295	RA	-	1	190	-
107.92	HRE-250	01296	RA	-	1	290	-
137.08	HRE-300	01297	RA	-	1	430	-
174.86	HRE-350	01298	RA	-	1	480	-
216.10	HRE-400	01299	RA	-	1	650	-
336.06	HRE-500	01300	RA	-	1	1300	-
450.13	HRE-600	01301	RA	-	1	2000	-
43.61	HRK-100	01302	RA	-	1	38	-
49.28	HRK-125	01303	RA	-	1	63	-
52.46	HRK-150	01304	RA	-	1	75	-

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DTB D/N X 442

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
58.96	HRK-200	01305	RA	-	1	110	-
77.98	HRK-250	01306	RA	-	1	200	-
101.57	HRK-300	01307	RA	-	1	300	-
138.83	HRK-350	01308	RA	-	1	350	-
174.86	HRK-400	01309	RA	-	1	480	-
285.22	HRK-500	01310	RA	-	1	990	-
396.82	HRK-600	01311	RA	-	1	1470	-
71.01	HSP-13SG	00000	UA	-	-	-	-
90.11	HSP-15SG	00000	UA	-	-	-	-
0.22	• IB-50	29700	DB	100	500	1	A
0.28	• IB-75	29705	DB	100	500	1	A
0.41	• IB-100	29710	DB	50	200	2	A
0.58	• IB-125	29715	DB	25	125	3	B
0.78	• IB-150	29720	DB	25	100	4	B
1.34	• IB-200	29725	DB	10	50	7	B
2.97	• IB-250	29730	DB	10	40	12	C
3.18	• IB-300	29735	DB	10	40	15	C
4.04	• IB-350	29740	DB	5	25	24	C
4.89	• IB-400	29745	DB	5	20	26	C
10.64	• IB-500	29750	DB	-	10	38	C
20.90	• IB-600	29755	DB	-	5	50	C
1.05	• IBC-50	30100	DB	100	1000	4	A
3.15	• IBC-50L-4AC	30305	DB	50	500	6	A
3.69	• IBC-50L-4BC	30601	DB	50	500	6	A
3.82	• IBC-50LS-4AC	30370	DB	50	500	6	A
4.33	• IBC-50LS-4BC	30651	DB	50	500	6	A
1.78	• IBC-50S	30115	DB	100	1000	4	A
1.48	• IBC-75	30120	DB	100	1000	6	A
4.06	• IBC-75L-4AC	30301	DB	50	500	8	A
4.58	• IBC-75L-4BC	30603	DB	50	500	8	A
4.80	• IBC-75LS-4AC	30371	DB	50	500	8	A
5.53	• IBC-75LS-4BC	30653	DB	50	500	8	A
2.67	• IBC-75S	30135	DB	100	1000	6	A
2.15	• IBC-100	30140	DB	50	500	9	A
4.47	• IBC-100L-4AC	30302	DB	25	100	11	A
5.21	• IBC-100L-4BC	30605	DB	25	100	11	A
5.54	• IBC-100LS-4AC	30372	DB	25	100	11	A
7.37	• IBC-100LS-4BC	30655	DB	25	100	11	A
3.94	• IBC-100S	30155	DB	50	500	9	A
3.02	• IBC-125	30160	DB	50	200	10	B
6.98	• IBC-125L-20AC	30308	DB	25	100	18	B
8.01	• IBC-125L-20BC	30609	DB	25	100	18	B
5.71	• IBC-125L-4AC	30307	DB	25	100	18	B
6.64	• IBC-125L-4BC	30608	DB	25	100	18	B
9.24	• IBC-125LS-20AC	30376	DB	25	100	18	B
10.53	• IBC-125LS-20BC	30659	DB	25	100	18	B
7.87	• IBC-125LS-4AC	30375	DB	25	100	18	B
9.02	• IBC-125LS-4BC	30658	DB	25	100	18	B
4.94	• IBC-125S	30175	DB	50	200	13	B
3.81	• IBC-150	30180	DB	25	100	19	B
7.35	• IBC-150L-20AC	30313	DB	25	100	24	B
8.46	• IBC-150L-20BC	30612	DB	25	100	24	B
6.21	• IBC-150L-4AC	30312	DB	25	100	24	B
7.13	• IBC-150L-4BC	30611	DB	25	100	24	B
10.68	• IBC-150LS-20AC	30380	DB	25	100	24	B
12.10	• IBC-150LS-20BC	30662	DB	10	25	24	B
9.04	• IBC-150LS-4AC	30379	DB	25	100	24	B
10.38	• IBC-150LS-4BC	30661	DB	25	100	24	B
5.95	• IBC-150S	30195	DB	25	100	18	B
5.49	• IBC-200	30200	DB	25	100	24	B
9.72	• IBC-200L-20AC	30318	DB	10	50	33	B
11.20	• IBC-200L-20BC	30615	DB	10	50	33	B
8.33	• IBC-200L-4AC	30317	DB	10	50	33	B
9.53	• IBC-200L-4BC	30614	DB	10	50	33	B
12.54	• IBC-200LS-20AC	30384	DB	10	50	33	B
14.31	• IBC-200LS-20BC	30665	DB	10	50	33	B
10.69	• IBC-200LS-4AC	30383	DB	10	50	33	B
12.17	• IBC-200LS-4BC	30664	DB	10	50	33	B
7.77	• IBC-200S	30215	DB	25	100	25	B
11.07	• IBC-250	30220	DB	5	25	47	C
13.89	• IBC-250L-20AC	30323	DB	5	25	57	C
16.05	• IBC-250L-20BC	30618	DB	5	25	57	C
16.26	• IBC-250L-25AC	30324	DB	5	25	57	C
18.50	• IBC-250L-25BC	30619	DB	5	25	57	C
11.88	• IBC-250L-4AC	30322	DB	5	25	57	C
13.52	• IBC-250L-4BC	30617	DB	5	25	57	C
14.74	• IBC-250LS-20AC	30388	DB	5	25	57	C
16.79	• IBC-250LS-20BC	30668	DB	5	25	57	C
16.98	• IBC-250LS-25AC	30389	DB	5	25	57	C
19.24	• IBC-250LS-25BC	30669	DB	5	25	57	C
12.88	• IBC-250LS-4AC	30387	DB	5	25	57	C
14.74	• IBC-250LS-4BC	30667	DB	5	25	57	C
12.14	• IBC-250S	30235	DB	5	25	40	C
14.66	• IBC-300	30240	DB	5	25	60	C
18.16	• IBC-300L-20AC	30331	DB	5	25	70	C
20.89	• IBC-300L-20BC	30621	DB	5	25	70	C
20.82	• IBC-300L-25AC	30332	DB	5	25	70	C
24.06	• IBC-300L-25BC	30622	DB	5	25	70	C
15.97	• IBC-300L-4AC	30330	DB	5	25	70	C
18.41	• IBC-300L-4BC	30620	DB	5	25	70	C
18.78	• IBC-300LS-20AC	30391	DB	5	25	70	C
21.47	• IBC-300LS-20BC	30671	DB	5	25	70	C
21.69	• IBC-300LS-25AC	30392	DB	5	25	70	C
24.65	• IBC-300LS-25BC	30672	DB	5	25	70	C
16.47	• IBC-300LS-4AC	30390	DB	5	25	70	C
18.87	• IBC-300LS-4BC	30670	DB	5	25	70	C
16.25	• IBC-300S	30255	DB	5	25	59	C
19.56	• IBC-350	30260	DB	5	25	69	C
20.96	• IBC-350L-20AC	30339	DB	5	25	96	C
24.06	• IBC-350L-20BC	30624	DB	5	25	96	C
22.30	• IBC-350L-25AC	30340	DB	5	25	96	C
25.89	• IBC-350L-25BC	30625	DB	5	25	96	C
19.44	• IBC-350L-4AC	30338	DB	5	25	96	C
22.20	• IBC-350L-4BC	30623	DB	5	25	96	C
22.67	• IBC-350LS-20AC	30394	DB	5	25	96	C
25.86	• IBC-350LS-20BC	30674	DB	5	25	96	C
24.50	• IBC-350LS-25AC	30395	DB	5	25	96	C
27.92	• IBC-350LS-25BC	30675	DB	5	25	96	C
19.94	• IBC-350LS-4AC	30393	DB	5	25	96	C
22.78	• IBC-350LS-4BC	30673	DB	5	25	96	C
20.83	• IBC-350S	30275	DB	5	25	59	C
24.25	• IBC-400	30280	DB	2	20	100	C
25.06	• IBC-400L-20AC	30347	DB	2	20	124	C
29.42	• IBC-400L-20BC	30627	DB	2	20	124	C
27.51	• IBC-400L-25AC	30348	DB	2	20	124	C
31.73	• IBC-400L-25BC	30628	DB	2	20	124	C
23.73	• IBC-400L-4AC	30346	DB	2	20	124	C
27.42	• IBC-400L-4BC	30626	DB	2	20	124	C
27.94	• IBC-400LS-20AC	30397	DB	2	20	124	C
32.40	• IBC-400LS-20BC	30677	DB	2	20	124	C
30.45	• IBC-400LS-25AC	30398	DB	2	20	124	C
34.83	• IBC-400LS-25BC	30678	DB	2	20	124	C
24.82	• IBC-400LS-4AC	30396	DB	2	20	124	C
28.35	• IBC-400LS-4BC	30676	DB	2	20	124	C
25.74	• IBC-400S	30285	DB	2	20	90	C
52.79	• IBC-500	30300	DB	-	5	200	C

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EGS O-Z/GEDNEY

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
55.28	• IBC-500L-20AC	30355	DB	-	5	150	C
58.36	• IBC-500L-20BC	30630	DB	-	5	150	C
60.26	• IBC-500L-25AC	30356	DB	-	5	150	C
54.90	• IBC-500L-25BC	30631	DB	-	5	150	C
53.80	• IBC-500L-4AC	30354	DB	-	5	150	C
58.00	• IBC-500L-4BC	30629	DB	-	5	150	C
80.99	• IBC-600	30310	DB	-	5	243	C
84.14	• IBC-600L-20AC	30363	DB	-	5	250	C
86.83	• IBC-600L-20BC	30633	DB	-	5	250	C
86.71	• IBC-600L-25AC	30364	DB	-	5	250	C
93.36	• IBC-600L-25BC	30634	DB	-	5	250	C
82.22	• IBC-600L-4AC	30362	DB	-	5	250	C
86.81	• IBC-600L-4BC	30632	DB	-	5	250	C
11.70	ICC-50	30400	DA	50	200	3	-
15.15	ICC-75	30402	DA	25	125	4	-
18.18	ICC-100	30404	DA	25	125	8	-
20.62	ICC-125	30406	DA	10	50	11	-
28.64	ICC-150	30408	DA	10	50	12	-
33.06	ICC-200	30410	DA	5	25	19	-
56.85	ICC-250	30412	DA	2	10	36	-
76.21	ICC-300	30414	DA	2	10	46	-
84.70	ICC-350	30416	DA	2	10	54	-
104.55	ICC-400	30418	DA	-	5	91	-
177.08	ICC-500	30420	DA	-	1	170	-
215.02	ICC-600	30422	DA	-	1	190	-
911.87	IF12126	01312	V	-	1	-	-
967.51	IF12128	01313	V	-	1	-	-
1178.73	IF12156	01314	V	-	1	-	-
1637.50	IF12156X31	01315	V	-	1	-	-
1374.05	IF12168	01316	V	-	1	-	-
1600.02	IF121810	01317	V	-	1	-	-
2481.23	IF121810X42	01318	V	-	1	-	-
1272.98	IF12186	01319	V	-	1	-	-
1956.60	IF12186X32	01320	V	-	1	-	-
2145.10	IF12186X42	01321	V	-	1	-	-
1414.93	IF12188	01322	V	-	1	-	-
1661.35	IF12246	01323	V	-	1	-	-
1785.12	IF12248	01324	V	-	1	-	-
1126.49	IF15145	01325	V	-	1	-	-
1558.01	IF15205	01326	V	-	1	-	-
2185.98	IF181810	01327	V	-	1	-	-
2787.84	IF181810X33	01328	V	-	1	-	-
2132.62	IF181810X34	01329	V	-	1	-	-
3014.95	IF181810X43	01330	V	-	1	-	-
1803.29	IF18186	01331	V	-	1	-	-
2461.93	IF18186X33	01332	V	-	1	-	-
2635.67	IF18186X34	01333	V	-	1	-	-
2686.78	IF18186X43	01334	V	-	1	-	-
3281.82	IF182410	01335	V	-	1	-	-
4257.27	IF182410X35	01336	V	-	1	-	-
4388.99	IF182410X44	01337	V	-	1	-	-
2185.98	IF18246	01338	V	-	1	-	-
3220.49	IF18246X35	01339	V	-	1	-	-
4155.07	IF18246X44	01340	V	-	1	-	-
3999.50	IF242412	01341	V	-	1	-	-
275.95	IF384	01342	V	-	1	-	-
348.62	IF4103	01343	V	-	1	-	-
258.91	IF463	00000	V	-	1	-	-
328.18	IF674	01345	V	-	1	-	-
821.02	IF8128	01346	V	-	1	-	-
533.73	IF886	01347	V	-	1	-	-
1547.79	IG181810P	11275	V	-	1	-	-
409.94	IG12126G	01348	V	-	1	-	-
409.94	IG12126P	01349	V	-	1	-	-
676.80	IG12148G	01350	V	-	1	-	-
1190.08	IG12148GX31	01351	V	-	1	-	-
676.80	IG12148P	01352	V	-	1	-	-
1190.08	IG12148PX31	01353	V	-	1	-	-
1075.39	IG14188G	01356	V	-	1	-	-
1692.01	IG14188GX32	01357	V	-	1	-	-
1075.39	IG14188P	01358	V	-	1	-	-
1692.01	IG14188PX32	01359	V	-	1	-	-
1497.83	IG18186G	01362	V	-	1	-	-
1547.79	IG181810G	11276	V	-	1	-	-
1497.83	IG18186P	01363	V	-	1	-	-
1597.76	IG181812G	01360	V	-	1	-	-
1597.76	IG181812P	01361	V	-	1	-	-
1620.47	IG18248G	01364	V	-	1	-	-
2275.69	IG18248GX33	01365	V	-	1	-	-
2461.93	IG18248GX34	01366	V	-	1	-	-
2349.50	IG18248GX42	01368	V	-	1	-	-
2502.81	IG18248GX43	01369	V	-	1	-	-
2727.66	IG18248GX44	01370	V	-	1	-	-
1620.47	IG18248P	01371	V	-	1	-	-
2275.69	IG18248PX33	01372	V	-	1	-	-
2461.93	IG18248PX34	01373	V	-	1	-	-
2349.50	IG18248PX42	01375	V	-	1	-	-
2502.81	IG18248PX43	01376	V	-	1	-	-
2727.66	IG18248PX44	01377	V	-	1	-	-
2185.98	IG242412G	01378	V	-	1	-	-
2185.98	IG242412P	01379	V	-	1	-	-
3507.79	IG303012G	01380	V	-	1	-	-
3507.79	IG303012P	01381	V	-	1	-	-
3035.39	IG30308G	01382	V	-	1	-	-
3035.39	IG30308P	01383	V	-	1	-	-
195.37	IG464G	01384	V	-	1	-	-
195.37	IG464P	01385	V	-	1	-	-
165.21	IG684G	01386	V	-	1	-	-
165.21	IG684P	01387	V	-	1	-	-
275.95	IG8106G	01388	V	-	1	-	-
275.95	IG8106P	01389	V	-	1	-	-
305.47	IG8126G	01390	V	-	1	-	-
305.47	IG8126P	01391	V	-	1	-	-
224.80	IG884G	01392	V	-	1	-	-
224.80	IG884P	01393	V	-	1	-	-
235.07	IG886G	01394	V	-	1	-	-
235.07	IG886P	01395	V	-	1	-	-
0.99	• IS-400	30990	EA	50	250	12	A
1.12	• IS-500	31000	EA	25	100	22	A
1.14	• IS-500E	31005	EA	25	100	17	A
2.86	• IS-501	31010	EA	10	50	50	A
4.06	• IS-502	31015	EA	5	25	96	A
5.93	• IS-503	31020	EA	5	25	168	A
1.14	• IS-509	31025	EA	25	100	23	A
2.39	• J-50G	31200	EA	25	100	31	A
2.81	• J-75G	31201	EA	25	100	43	A
3.51	• J-100G	31202	EA	10	50	73	A
4.66	• J-125G	31203	EA	10	50	76	B
5.95	• J-150G	31204	EA	-	20	104	B
8.98	• J-200G	31205	EA	-	20	147	B
12.58	• J-2530G	31210	EA	-	10	230	C
22.20	• J-3540G	31211	EA	-	10	340	C
25.36	JBDX50LN	13661	W	1	10	310	-
25.36	JBDX75LN	13662	W	1	10	315	-
27.72	JBDX100LN	13663	W	1	10	323	-
1.75	JBGKNN	13668	W	-	50	2	-

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19.83	JBK50BSN	13685	W	1	10	172	-
32.77	JBK50CSN	13687	W	1	10	181	-
19.76	JBK75BSN	13686	W	2	10	180	-
32.77	JBK75CSN	13688	W	2	10	175	-
5.26	JBKBN	13667	W	5	50	75	-
30.88	JBLX50LN	13664	W	1	10	550	-
30.96	JBLX75LN	13665	W	1	10	320	-
30.99	JBLX100LN	13666	W	1	10	370	-
20.60	JBX50LN	13658	W	1	10	235	-
20.60	JBX75LN	13659	W	1	10	226	-
20.66	JBX100LN	13660	W	1	10	210	-
12.78	• JMC-50-76	13393	TA	6	36	16	A
12.78	• JMC-50-76S	13403	TA	6	36	46	A
12.78	• JMC-50-99	13394	TA	5	30	22	A
12.78	• JMC-50-99S	13404	TA	5	30	65	A
18.14	• JMC-75-121	13395	TA	6	30	38	A
18.14	• JMC-75-121S	13405	TA	6	30	101	A
27.13	• JMC-100-138	13396	TA	1	10	52	A
27.13	• JMC-100-138S	13406	TA	1	10	151	A
35.42	• JMC-125-163	13397	TA	1	10	80	A
35.42	• JMC-125-163S	13407	TA	1	10	230	A
35.42	• JMC-125-188	13398	TA	1	10	78	A
35.42	• JMC-125-188S	13408	TA	1	10	225	A
50.27	• JMC-150-200	13399	TA	1	10	98	A
50.27	• JMC-150-200S	13409	TA	1	10	283	A
50.27	• JMC-150-220	13400	TA	1	10	100	A
50.27	• JMC-150-220S	13411	TA	1	10	288	A
61.90	• JMC-200-238	13401	TA	1	5	166	B
61.90	• JMC-200-238S	13412	TA	1	5	446	B
61.90	• JMC-200-275	13402	TA	1	5	188	B
61.90	• JMC-200-275S	13413	TA	1	5	504	B
98.06	• JMC-250-259	11508	TA	1	5	-	B
98.06	• JMC-250-303	10308	TA	1	5	-	B
125.63	• JMC-300-360	31255	TA	1	5	-	C
174.41	• JMC-350-423	31260	TA	1	5	-	C
224.67	• JMC-400-473	31265	TA	1	5	-	C
55.63	• JMCX-100-115	07176	BC	2	10	-	A
88.63	• JMCX-125-145	07177	BC	2	10	-	B
134.26	• JMCX-150-179	07178	BC	2	10	-	B
170.85	• JMCX-200-215	07179	BC	1	5	-	B
170.85	• JMCX-200-259	07180	BC	1	5	-	B
230.43	• JMCX-250-259	07793	BC	1	5	-	B
362.09	• JMCX-300-303	07792	BC	1	5	-	B
513.37	• JMCX-350-360	07795	BC	1	5	-	B
588.33	• JMCX-400-423	07796	BC	2	5	-	B
38.01	• JMCX-50-71	07174	BC	2	10	-	A
44.69	• JMCX-75-93	07175	BC	2	10	-	A
8.59	• JMCXSC-1P	07183	BC	1	10	-	A
19.42	• JMCXSC-2L	07184	BC	1	5	-	A
77.53	• K-1503-BO	01396	BC	-	1	-	-
122.95	K-1503-1	01397	QA	-	1	140	-
133.21	K-1503-2	01398	QA	-	1	140	-
116.76	K-2003-BO	01399	QA	-	1	-	-
165.87	K-2003-1	01400	QA	-	1	230	-
175.85	K-2003-2	01401	QA	-	1	230	-
147.87	K-2503-BO	01402	QA	-	1	-	-
202.51	K-2503-1	01403	QA	-	1	330	-
213.65	K-2503-2	01404	QA	-	1	330	-
189.11	K-3003-BO	01405	QA	-	1	-	-
255.39	K-3003-1	01406	QA	-	1	480	-
267.38	K-3003-2	01407	QA	-	1	480	-
247.40	K-3503-BO	01408	QA	-	1	-	-
324.35	K-3503-1	01409	QA	-	1	610	-
336.65	K-3503-2	01410	QA	-	1	610	-
331.09	K-4003-BO	01411	QA	-	1	-	-
433.85	K-4003-1	01412	QA	-	1	810	-
445.88	K-4003-2	01413	QA	-	1	810	-
517.09	K-5003-BO	01414	QA	-	1	-	-
670.85	K-5003-1	01415	QA	-	1	1700	-
683.46	K-5003-2	01416	QA	-	1	1700	-
791.15	K-6003-BO	01417	QA	-	1	-	-
1010.12	K-6003-1	01418	QA	-	1	2500	-
1022.91	K-6003-2	01419	QA	-	1	2500	-
1.55	• KC-50	31410	KB	50	200	14	A
2.51	• KC-50T	31415	KB	50	200	14	A
2.45	• KC-51	31420	KB	25	100	19	A
2.72	• KC-75	31430	KB	25	100	20	A
4.09	• KC-75T	31435	KB	25	100	18	A
3.04	• KC-76	31440	KB	25	100	26	A
3.97	• KC-100	31450	KB	20	100	29	B
4.91	• KC-100T	31455	KB	20	100	28	A
6.27	• KC-125	31460	KB	10	50	39	B
6.26	• KC-125T	31465	KB	10	50	39	B
6.02	• KC-150	31467	KB	5	50	94	B
12.17	• KC-150T	31530	KB	5	50	94	B
12.56	• KC-200	31468	KB	2	10	163	B
18.58	• KC-200T	31535	KB	2	10	163	B
24.61	• KC-250	31469	KB	2	10	212	C
36.59	• KC-250T	31540	KB	2	10	212	C
33.32	• KC-300	31472	KB	2	10	242	C
48.11	• KC-300T	31545	KB	2	10	242	C
129.79	• KC-350	31473	KB	1	5	488	C
154.38	• KC-350T	31471	KB	1	5	488	C
162.86	• KC-400	31475	KB	1	5	660	C
201.42	• KC-400T	31476	KB	1	5	660	C
220.24	• KC-500	31480	KB	-	2	1175	C
255.39	• KC-500T	31481	KB	-	2	1175	C
10.98	KG-04	31600	MA	25	100	25	-
12.29	KG-22	31602	MA	25	100	38	-
23.96	KG-25	31604	MA	20	100	50	-
34.15	KG-50	31606	MA	10	50	88	-
50.75	KG-75	31608	MA	5	25	150	-
59.06	KG-92	31610	MA	-	1	230	-
6.34	KGM-04	31700	MA	-	1	20	-
9.63	KGM-22	31702	MA	-	1	27	-
14.96	KGM-25	31704	MA	-	1	31	-
23.29	KGM-50	31706	MA	-	1	55	-
31.94	KGM-75	31708	MA	-	1	93	-
36.04	KGM-92	31710	MA	-	1	160	-
0.29	• KO-50S	31880	PA	100	500	1	A
0.36	• KO-75S	31885	PA	100	500	2	A
0.50	• KO-100S	31890	PA	50	200	2	A
0.74	• KO-125S	31895	PA	50	200	3	B
1.04	• KO-150S	31900	PA	50	200	5	B
1.34	• KO-200S	31905	PA	25	100	7	B
42.63	KR-100	01420	RA	-	1	25	-
45.88	KR-125	01421	RA	-	1	38	-
48.42	KR-150	01422	RA	-	1	50	-
50.55	KR-200	01423	RA	-	1	63	-
64.69	KR-250	01424	RA	-	1	88	-
85.29	KR-300	01425	RA	-	1	140	-
106.89	KR-350	01426	RA	-	1	180	-
137.09	KR-400	01427	RA	-	1	210	-
216.85	KR-500	01428	RA	-	1	380	-
280.25	KR-600	01429	RA	-	1	500	-
168.65	KR122BC	00000	V	-	1	-	-

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170.61	KR122A	07191	V	-	1	-	-
184.16	KR122AB	07190	V	-	1	-	-
170.61	KR122B	07254	V	-	1	-	-
182.81	KR131BD	01437	V	-	1	-	-
219.37	KR131CCDD	01438	V	-	1	-	-
182.81	KR131CD	01439	V	-	1	-	-
219.37	KR132CCDD	01440	V	-	1	-	-
182.81	KR132CD	01441	V	-	1	-	-
219.37	KR134CCDD	01442	V	-	1	-	-
182.81	KR134CD	01443	V	-	1	-	-
205.82	KR222BC	00000	V	-	1	-	-
205.82	KR222AB	07347	V	-	1	-	-
193.64	KR222B	07344	V	-	1	-	-
205.82	KR231BD	01451	V	-	1	-	-
237.33	KR231CCDD	01452	V	-	1	-	-
205.82	KR231CD	01453	V	-	1	-	-
237.33	KR232CCDD	01454	V	-	1	-	-
205.82	KR232CD	01455	V	-	1	-	-
237.33	KR234CCDD	01456	V	-	1	-	-
205.82	KR234CD	01457	V	-	1	-	-
178.75	KS122B	01462	V	-	1	-	-
233.93	KS122BC	01463	V	-	1	-	-
178.75	KS122A	01458	V	-	1	-	-
196.35	KS122AB	01459	V	-	1	-	-
233.93	KS122ABCD	01460	V	-	1	-	-
214.54	KS131ABCD	00000	V	-	1	-	-
196.35	KS131BD	01465	V	-	1	-	-
233.93	KS131CCDD	01466	V	-	1	-	-
196.35	KS131CD	01467	V	-	1	-	-
233.93	KS132CCDD	01468	V	-	1	-	-
196.35	KS132CD	01469	V	-	1	-	-
233.93	KS134CCDD	01470	V	-	1	-	-
196.35	KS134CD	01471	V	-	1	-	-
203.12	KS222B	01476	V	-	1	-	-
219.37	KS222BC	01477	V	-	1	-	-
203.12	KS222A	01472	V	-	1	-	-
219.37	KS222AB	01473	V	-	1	-	-
253.24	KS222ABCD	01474	V	-	1	-	-
219.54	KS231ABCD	00000	V	-	1	-	-
219.37	KS231BD	01479	V	-	1	-	-
253.24	KS231CCDD	01480	V	-	1	-	-
219.37	KS231CD	01481	V	-	1	-	-
253.24	KS232CCDD	01482	V	-	1	-	-
219.37	KS232CD	01483	V	-	1	-	-
253.24	KS234CCDD	01484	V	-	1	-	-
219.37	KS234CD	01485	V	-	1	-	-
37.12	KVF-1515	01486	QA	-	1	7	-
48.94	KVF-2020	01487	QA	-	1	9	-
48.28	KVF-2525	01488	QA	-	1	19	-
64.80	KVF-3030	01489	QA	-	1	22	-
72.31	KVF-3535	01490	QA	-	1	31	-
98.52	KVF-4040	01491	QA	-	1	36	-
152.13	KVF-5050	01492	QA	-	1	60	-
244.55	KVF-6060	01493	QA	-	1	80	-
41.25	KVM-1515	01494	QA	-	1	70	-
47.31	KVM-2020	01496	QA	-	1	90	-
64.23	KVM-2525	01497	QA	-	1	190	-
84.49	KVM-3030	01498	QA	-	1	220	-
101.18	KVM-3535	01499	QA	-	1	310	-
128.31	KVM-4040	01501	QA	-	1	360	-
152.13	KVM-5050	01502	QA	-	1	600	-
329.86	KVM-6060	01503	QA	-	1	800	-
5.71	L17	31910	AA	5	25	65	A
8.34	L27	31911	AA	5	25	96	A
11.10	L37	31912	AA	2	10	168	A
23.08	L47	31913	AA	2	10	248	A
31.70	L57	31914	AA	2	10	316	A
45.46	L67	31915	AA	1	5	440	A
5.84	LB17	32756	AA	5	25	91	A
6.92	LB17-SA	89020	AA	5	25	30	A
6.97	LB27	32776	AA	5	25	144	A
8.09	LB27-SA	89021	AA	5	25	48	A
10.64	LB37	32796	AA	5	25	171	A
12.80	LB37-SA	89022	AA	5	25	57	A
16.77	LB47	32816	AA	2	10	321	A
19.49	LB47-SA	89023	AA	2	10	107	A
5.83	LB-50	32755	AB	10	50	63	A
4.91	LB-50A	32921	AC	10	50	24	A
5.52	LB-50A-TW	32941	AC	10	50	48	A
7.43	LB-50ACG	06232	AC	10	50	28	A
9.00	LB-50CG	00144	AB	10	50	-	A
8.30	LB-50G	32760	AB	10	50	63	A
21.00	LB57	32836	AA	2	10	471	A
25.40	LB57-SA	89024	AA	2	10	157	A
35.83	LB67	32856	AA	1	5	792	A
42.38	LB67-SA	89025	AA	1	5	264	A
5.96	LB-75	32775	AB	5	25	89	A
6.32	LB-75A	32922	AC	10	50	34	A
6.77	LB-75A-TW	32942	AC	10	50	34	A
9.83	LB-75ACG	06239	AC	10	50	39	A
11.25	LB-75CG	00145	AB	10	50	-	A
9.92	LB-75G	32780	AB	10	50	89	A
75.26	LB77	32877	AA	-	1	880	A
86.71	LB77-SA	89026	AA	-	1	293	A
109.09	LB87	32882	AA	-	1	1230	A
116.27	LB87-SA	89027	AA	-	1	410	A
165.47	LB97	32887	AA	-	1	1660	A
10.48	LB-100	32795	AB	5	25	112	A
9.26	LB-100A	32923	AC	5	25	43	A
9.95	LB-100A-TW	32943	AC	5	25	43	A
14.40	LB-100ACG	06219	AC	5	25	50	A
16.53	LB-100CG	00146	AB	5	25	-	A
14.92	LB-100G	32800	AB	5	25	112	A
185.46	LB107	32892	AA	-	1	1840	A
16.77	LB-125	32815	AB	2	10	230	A
13.68	LB-125A	32924	AC	2	10	87	A
15.65	LB-125A-TW	32944	AC	2	10	87	A
20.19	LB-125ACG	06222	AC	2	10	101	A
24.24	LB-125CG	00147	AB	2	10	-	A
23.85	LB-125G	32820	AB	2	10	230	A
21.57	LB-150	32835	AB	2	10	254	A
17.98	LB-150A	32925	AC	2	10	96	A
20.29	LB-150A-TW	32945	AC	2	10	96	A
24.18	LB-150ACG	06224	AC	2	10	110	A
29.07	LB-150CG	00148	AB	2	10	-	A
39.79	LB-150G	32840	AB	2	10	254	A
35.55	LB-200	32855	AB	1	5	520	A
29.63	LB-200A	32926	AC	1	5	197	A
33.86	LB-200A-TW	32946	AC	1	5	197	A
38.50	LB-200ACG	06226	AC	1	5	219	A
48.19	LB-200CG	00149	AB	1	5	-	A
58.57	LB-200G	32860	AB	1	5	520	A
75.48	LB-250	32876	AB	-	1	1000	A
65.55	LB-250A	32927	AC	-	1	379	A
89.38	LB-250A-TW	32947	AC	-	1	2600	A
105.37	LB-250G	32875	AB	-	1	1000	A

EGS O-Z/GEDNEY

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100.86	LB-300	32881	AB	-	1	1300	A
86.76	LB-300A	32928	AC	-	1	493	A
116.16	LB-300A-TW	32948	AC	-	1	493	A
141.19	LB-300G	32880	AB	-	1	1300	A
166.83	LB-350	32886	AB	-	1	2200	A
143.99	LB-350A	32929	AC	-	1	834	B
185.34	LB-350A-TW	32949	AC	-	1	834	B
233.08	LB-350G	32885	AB	-	1	2200	B
186.66	LB-400	32891	AB	-	1	2200	A
164.41	LB-400A	32930	AC	-	1	910	A
221.84	LB-400A-TW	32950	AC	-	1	868	B
256.15	LB-400G	32890	AB	-	1	2400	A
688.98	LBH-400	33004	BA	-	1	-	C
685.68	LBH-400A	30014	BA	-	1	-	A
867.33	LBH-400AN4	33034	BA	-	1	-	B
867.33	LBH-400N4	33024	BA	-	1	-	B
44.63	LBH-0507	33000	BA	2	10	-	A
45.28	LBH-0507A	33010	BA	-	1	-	A
58.03	LBH-0507AN4	33030	BA	-	1	-	A
58.86	LBH-0507N4	33020	BA	-	1	-	A
121.89	LBH-1012	33001	BA	-	1	-	B
123.63	LBH-1012A	33011	BA	-	1	-	B
160.06	LBH-1012AN4	33031	BA	-	1	-	B
166.06	LBH-1012N4	33021	BA	-	1	-	B
185.10	LBH-1520	33002	BA	-	1	-	A
187.75	LBH-1520A	33012	BA	-	1	-	A
243.37	LBH-1520AN4	33032	BA	-	1	-	A
243.37	LBH-1520N4	33022	BA	-	1	-	A
392.38	LBH-2530	33003	BA	-	1	-	A
392.38	LBH-2530A	33013	BA	-	1	-	A
509.74	LBH-2530AN4	33033	BA	-	1	-	A
517.04	LBH-2530N4	33023	BA	-	1	-	A
9.99	LBY-50	32900	BA	5	25	57	A
12.25	LBY-75	32901	BA	5	25	70	A
13.48	LBY-100	32902	BA	2	10	125	A
20.28	LBY-125	32903	BA	2	10	180	A
40.74	LBY-150	32904	BA	2	10	268	A
38.58	LB6X-100A	01504	AD	-	2	175	-
38.21	LB6X-100G	01506	AD	-	2	440	-
41.65	LB6X-125A	01507	AD	-	2	150	-
42.04	LB6X-125G	01508	AD	-	2	460	-
73.28	LB6X-150A	01509	AD	-	2	300	-
73.28	LB6X-150G	01511	AD	-	2	915	-
86.21	LB6X-200A	01512	AD	-	2	275	-
86.21	LB6X-200G	01513	AD	-	2	920	-
190.58	LB6X-250A	01514	AD	-	1	960	-
190.58	LB6X-250G	01516	AD	-	1	2900	-
215.25	LB6X-300A	01517	AD	-	1	880	-
215.25	LB6X-300G	01518	AD	-	1	3000	-
352.05	LB6X-350A	01519	AD	-	1	1600	-
352.05	LB6X-350G	01521	AD	-	1	6900	-
387.51	LB6X-400A	01522	AD	-	1	1500	-
387.51	LB6X-400G	01523	AD	-	1	6900	-
11.40	LG-04	34000	MA	25	100	25	-
14.36	LG-22	34002	MA	20	100	38	-
25.47	LG-25	34004	MA	20	100	63	-
46.82	LG-50	34006	MA	10	50	110	-
71.51	LG-75	34008	MA	-	10	210	-
101.39	LG-92	34010	MA	-	10	330	-
5.84	LL17	37801	AA	5	25	668	A
6.92	LL17-SA	89030	AA	5	25	29	A
6.97	LL27	37821	AA	5	25	124	A
8.06	LL27-SA	89031	AA	5	25	42	A

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10.64	LL37	37841	AA	5	25	171	A
12.80	LL37-SA	89032	AA	5	25	57	A
16.77	LL47	37861	AA	2	10	251	A
19.48	LL47-SA	89033	AA	2	10	84	A
5.83	LL-50	37800	AB	10	50	52	A
4.91	LL-50A	37941	AC	10	50	20	A
5.52	LL-50A-TW	38101	AC	10	50	24	A
8.44	LL-50ACG	06289	AC	10	50	24	A
9.88	LL-50CG	06290	AB	10	50	-	A
21.68	LL57	37881	AA	2	10	310	A
25.48	LL57-SA	89034	AA	2	10	103	A
35.83	LL67	37901	AA	1	5	472	A
42.38	LL67-SA	89035	AA	1	5	157	A
6.96	LL-75	37820	AB	10	50	70	A
6.32	LL-75A	37942	AC	10	50	27	A
6.77	LL-75A-TW	38102	AC	10	50	27	A
9.97	LL-75ACG	06293	AC	10	50	32	A
11.25	LL-75CG	06294	AB	10	50	-	A
75.26	LL77	37921	AA	-	1	1000	A
100.09	LL87	37926	AA	-	1	1200	A
165.47	LL97	37931	AA	-	1	1730	A
10.48	LL-100	37840	AB	5	25	132	A
9.26	LL-100A	37943	AC	5	25	50	A
9.95	LL-100A-TW	38103	AC	10	50	50	A
14.40	LL-100ACG	06269	AC	5	25	57	A
16.63	LL-100CG	06270	AB	5	25	-	A
185.46	LL107	37936	AA	-	1	1730	A
16.77	LL-125	37860	AB	2	10	240	A
13.69	LL-125A	37944	AC	2	10	95	A
15.65	LL-125A-TW	38104	AC	2	10	95	A
20.19	LL-125ACG	06272	AC	2	10	109	A
24.25	LL-125CG	06273	AB	2	10	-	A
21.57	LL-150	37880	AB	2	10	273	A
17.88	LL-150A	37945	AC	2	10	106	A
20.29	LL-150A-TW	38105	AC	2	10	106	A
24.18	LL-150ACG	06276	AC	2	10	120	A
29.21	LL-150CG	06277	AB	2	10	-	A
35.56	LL-200	37900	AB	1	5	600	A
29.79	LL-200A	37946	AC	1	5	228	A
36.14	LL-200A-TW	38106	AC	1	5	228	A
38.50	LL-200ACG	06280	AC	1	5	250	A
40.45	LL-200CG	06281	AB	1	5	-	A
75.86	LL-250	37920	AB	-	1	1070	B
66.16	LL-250A	37947	AC	-	1	417	B
100.06	LL-300	37925	AB	-	1	1225	A
86.76	LL-300A	37948	AC	-	1	503	B
166.83	LL-350	37930	AB	-	1	2290	C
143.99	LL-350A	37949	AC	-	1	850	C
186.66	LL-400	37935	AB	-	1	2200	B
162.89	LL-400A	37950	AC	-	1	868	B
161.15	LP111A	01524	V	-	1	-	-
177.39	LP111AB	01526	V	-	1	-	-
208.54	LP111ABCD	01527	V	-	1	-	-
177.39	LP111AD	01528	V	-	1	-	-
161.15	LP111C	01529	V	-	1	-	-
177.39	LP111CD	01531	V	-	1	-	-
153.48	LP112A	01532	V	-	1	-	-
177.39	LP112AB	01533	V	-	1	-	-
177.39	LP112AD	01536	V	-	1	-	-
161.15	LP112C	01537	V	-	1	-	-
177.39	LP112CD	01538	V	-	1	-	-
161.15	LP113A	01539	V	-	1	-	-
177.39	LP113AB	01541	V	-	1	-	-

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161.15	LP113C	01544	V	-	1	-	-
177.39	LP113CD	01546	V	-	1	-	-
161.15	LP115A	01554	V	-	1	-	-
177.39	LP115AB	01556	V	-	1	-	-
208.54	LP115ABCD	01557	V	-	1	-	-
161.15	LP115C	01559	V	-	1	-	-
177.39	LP115CD	01561	V	-	1	-	-
177.39	LP211A	01562	V	-	1	-	-
193.64	LP211AB	01563	V	-	1	-	-
224.80	LP211ABCD	01564	V	-	1	-	-
193.64	LP211AD	01566	V	-	1	-	-
177.39	LP211C	01567	V	-	1	-	-
193.64	LP211CD	01568	V	-	1	-	-
177.39	LP212A	01569	V	-	1	-	-
193.64	LP212AB	01571	V	-	1	-	-
224.80	LP212ABCD	01572	V	-	1	-	-
193.64	LP212AD	01573	V	-	1	-	-
177.39	LP212C	01574	V	-	1	-	-
193.64	LP212CD	01576	V	-	1	-	-
177.39	LP213A	01577	V	-	1	-	-
193.64	LP213AB	01578	V	-	1	-	-
224.80	LP213ABCD	01579	V	-	1	-	-
193.64	LP213AD	01581	V	-	1	-	-
177.39	LP213C	01582	V	-	1	-	-
193.64	LP213CD	01583	V	-	1	-	-
177.39	LP215A	01594	V	-	1	-	-
193.64	LP215AB	01595	V	-	1	-	-
224.80	LP215ABCD	01596	V	-	1	-	-
193.64	LP215AD	01597	V	-	1	-	-
177.39	LP215C	01598	V	-	1	-	-
193.64	LP215CD	01599	V	-	1	-	-
5.84	LR17	38762	AA	5	25	86	A
6.02	LR17-SA	89040	AA	5	25	29	A
6.97	LR27	38782	AA	5	25	124	A
6.08	LR27-SA	89041	AA	5	25	42	A
10.64	LR37	38802	AA	5	25	171	A
12.80	LR37-SA	89042	AA	5	25	57	A
16.77	LR47	38822	AA	2	10	251	A
19.48	LR47-SA	89043	AA	2	10	84	A
5.83	LR-50	38760	AB	10	50	49	A
4.91	LR-50A	38761	AC	10	50	20	A
5.52	LR-50A-TW	38701	AC	10	50	20	A
8.44	LR-50ACG	06332	AC	10	50	24	A
9.88	LR-50CG	06333	AB	10	50	-	A
21.68	LR57	38842	AA	2	10	310	A
25.46	LR57-SA	89044	AA	2	10	103	A
35.83	LR67	38862	AA	1	5	472	A
42.30	LR67-SA	89045	AA	1	5	157	A
6.96	LR-75	38780	AB	10	50	71	A
6.32	LR-75A	38781	AC	10	50	27	A
6.77	LR-75A-TW	38702	AC	10	50	27	A
9.97	LR-75ACG	06338	AC	10	50	32	A
11.25	LR-75CG	06339	AB	10	50	-	A
75.26	LR77	38882	AA	-	1	1000	A
100.09	LR87	38887	AA	-	1	1200	A
165.47	LR97	38892	AA	-	1	1730	A
10.48	LR-100	38800	AB	5	25	127	A
9.26	LR-100A	38801	AC	5	25	50	A
9.95	LR-100A-TW	38703	AC	5	25	50	A
14.40	LR-100ACG	06309	AC	5	25	57	A
16.63	LR-100CG	06310	AB	5	25	-	A
185.40	LR107	38897	AA	-	1	1730	A
16.77	LR-125	38820	AB	2	10	250	A

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13.69	LR-125A	38821	AC	2	10	95	A
15.65	LR-125A-TW	38704	AC	2	10	95	A
20.10	LR-125ACG	06314	AC	2	10	109	A
24.25	LR-125CG	06315	AB	2	10	-	A
21.57	LR-150	38840	AB	2	10	279	A
17.88	LR-150A	38841	AC	2	10	106	A
20.29	LR-150A-TW	38705	AC	2	10	106	A
24.18	LR-150ACG	06318	AC	2	10	120	A
29.16	LR-150CG	06319	AB	2	10	-	A
35.55	LR-200	38860	AB	1	5	600	A
29.63	LR-200A	38861	AC	1	5	228	A
33.88	LR-200A-TW	38706	AC	1	5	228	A
38.50	LR-200ACG	06323	AC	1	5	250	A
46.45	LR-200CG	06324	AB	1	5	-	A
75.48	LR-250	38880	AB	-	1	1100	B
85.55	LR-250A	38881	AC	-	1	417	B
108.06	LR-300	38885	AB	-	1	1325	B
86.76	LR-300A	38886	AC	-	1	503	B
166.83	LR-350	38890	AB	-	1	2240	C
143.90	LR-350A	38891	AC	-	1	850	C
186.66	LR-400	38895	AB	-	1	2290	C
164.41	LR-400A	38896	AC	-	1	868	C
451.96	LX31	01600	V	-	1	-	-
563.03	LX32	01601	V	-	1	-	-
654.09	LX33	01602	V	-	1	-	-
808.66	LX34	01603	V	-	1	-	-
922.09	LX35	01604	V	-	1	-	-
717.68	LX42	01605	V	-	1	-	-
851.69	LX43	01606	V	-	1	-	-
1045.86	LX44	01607	V	-	1	-	-
45.96	M-1520-BO	01608	QA	-	1	-	-
90.51	M-1520-1	01609	QA	-	1	130	-
108.79	M-1520-2	01610	QA	-	1	130	-
75.18	M-2025-BO	01611	QA	-	1	-	-
124.39	M-2025-1	01612	QA	-	1	160	-
134.26	M-2025-2	01613	QA	-	1	160	-
87.56	M-2530-BO	01614	QA	-	1	-	-
142.52	M-2530-1	01615	QA	-	1	250	-
153.86	M-2530-2	01616	QA	-	1	250	-
120.91	M-3035-BO	01617	QA	-	1	-	-
187.18	M-3035-1	01618	QA	-	1	380	-
199.18	M-3035-2	01619	QA	-	1	380	-
160.66	M-3540-BO	01620	QA	-	1	-	-
237.81	M-3540-1	01621	QA	-	1	510	-
249.91	M-3540-2	01622	QA	-	1	510	-
201.90	M-4050-BO	01623	QA	-	1	-	-
304.06	M-4050-1	01624	QA	-	1	650	-
316.63	M-4050-2	01625	QA	-	1	650	-
374.49	M-5060-BO	01626	QA	-	1	-	-
526.04	M-5060-1	01627	QA	-	1	1300	-
548.84	M-5060-2	01628	QA	-	1	1300	-
29.38	MB4	00000	W	-	1	100	-
184.99	MB35LX1	00000	W	-	1	725	-
184.99	MB35LXR1	00000	W	-	1	975	-
17.92	MB44	00000	W	-	1	375	-
27.55	MB44AM	00000	W	-	1	375	-
27.55	MB44BL	00000	W	-	1	375	-
27.55	MB44GR	00000	W	-	1	375	-
27.55	MB44RE	00000	W	-	1	375	-
27.47	MB44TS	00000	W	-	1	375	-
190.95	MB50LX8	00000	W	-	1	725	-
190.95	MB50LXR8	00000	W	-	1	1075	-
197.47	MB50MA8	00000	W	-	1	700	-

EGS O-Z/GEDNEY

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
197.47	MB50MAR8	00000	W	-	1	1175	-
217.46	MB70LX5	00000	W	-	1	825	-
217.46	MB70LX8	00000	W	-	1	825	-
217.46	MB70LXR5	00000	W	-	1	150	-
217.46	MB70LXR8	00000	W	-	1	425	-
212.58	MB70MA8	00000	W	-	1	775	-
212.58	MB70MAR8	00000	W	-	1	425	-
231.57	MB100LX5	00000	W	-	1	975	-
231.57	MB100LX8	00000	W	-	1	975	-
231.57	MB100LXR5	00000	W	-	1	610	-
231.57	MB100LXR8	00000	W	-	1	700	-
236.00	MB100MA8	00000	W	-	1	925	-
236.00	MB100MAR8	00000	W	-	1	610	-
144.72	MB100MM5	00000	W	-	1	900	-
144.72	MB100MM8	00000	W	-	1	900	-
144.72	MB100MMR5	00000	W	-	1	700	-
144.72	MB100MMR8	00000	W	-	1	610	-
84.01	MB111A	01629	V	-	1	-	-
100.14	MB111AB	01630	V	-	1	-	-
133.97	MB111ABCD	01631	V	-	1	-	-
100.14	MB111AD	01632	V	-	1	-	-
84.01	MB111C	01633	V	-	1	-	-
100.14	MB111CD	01634	V	-	1	-	-
92.86	MB112A	01635	V	-	1	-	-
108.99	MB112AB	01636	V	-	1	-	-
140.83	MB112ABCD	01637	V	-	1	-	-
108.99	MB112AD	01638	V	-	1	-	-
92.86	MB112C	01639	V	-	1	-	-
108.99	MB112CD	01640	V	-	1	-	-
84.01	MB121A	01641	V	-	1	-	-
100.14	MB121AB	01642	V	-	1	-	-
133.97	MB121ABCD	01643	V	-	1	-	-
100.14	MB121AD	01644	V	-	1	-	-
84.01	MB121C	01645	V	-	1	-	-
100.14	MB121CD	01646	V	-	1	-	-
92.86	MB122A	01647	V	-	1	-	-
108.99	MB122AB	01648	V	-	1	-	-
140.83	MB122ABCD	01649	V	-	1	-	-
108.99	MB122AD	01650	V	-	1	-	-
92.86	MB122C	01651	V	-	1	-	-
108.99	MB122CD	01652	V	-	1	-	-
84.01	MB131A	01653	V	-	1	-	-
100.14	MB131AB	01654	V	-	1	-	-
133.97	MB131ABCD	01655	V	-	1	-	-
100.14	MB131AD	01656	V	-	1	-	-
84.01	MB131C	01657	V	-	1	-	-
100.14	MB131CD	01658	V	-	1	-	-
92.86	MB132A	01659	V	-	1	-	-
108.99	MB132AB	01660	V	-	1	-	-
140.83	MB132ABCD	01661	V	-	1	-	-
108.99	MB132AD	01662	V	-	1	-	-
92.86	MB132C	01663	V	-	1	-	-
108.99	MB132CD	01664	V	-	1	-	-
258.22	MB150LX5	00000	W	-	1	1075	-
258.22	MB150LX8	00000	W	-	1	1075	-
258.22	MB150LXR5	00000	W	-	1	700	-
258.22	MB150LXR8	00000	W	-	1	1025	-
254.20	MB175MAR5	00000	W	-	1	1125	-
254.20	MB175MAR8	00000	W	-	1	1125	-
92.86	MB211A	01665	V	-	1	-	-
108.99	MB211AB	01666	V	-	1	-	-
140.83	MB211ABCD	01667	V	-	1	-	-
108.99	MB211AD	01668	V	-	1	-	-

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
92.86	MB211C	01669	V	-	1	-	-
108.99	MB211CD	01670	V	-	1	-	-
100.14	MB212A	01671	V	-	1	-	-
116.15	MB212AB	01672	V	-	1	-	-
150.31	MB212ABCD	01673	V	-	1	-	-
116.15	MB212AD	01674	V	-	1	-	-
100.14	MB212C	01675	V	-	1	-	-
116.15	MB212CD	01676	V	-	1	-	-
92.86	MB221A	01677	V	-	1	-	-
108.99	MB221AB	01678	V	-	1	-	-
140.83	MB221ABCD	01679	V	-	1	-	-
108.99	MB221AD	01680	V	-	1	-	-
92.86	MB221C	01681	V	-	1	-	-
108.99	MB221CD	01682	V	-	1	-	-
100.14	MB222A	01683	V	-	1	-	-
116.15	MB222AB	01684	V	-	1	-	-
150.31	MB222ABCD	01685	V	-	1	-	-
116.15	MB222AD	01686	V	-	1	-	-
100.14	MB222C	01687	V	-	1	-	-
116.15	MB222CD	01688	V	-	1	-	-
92.86	MB231A	01689	V	-	1	-	-
108.99	MB231AB	01690	V	-	1	-	-
140.83	MB231ABCD	01691	V	-	1	-	-
108.99	MB231AD	01692	V	-	1	-	-
92.86	MB231C	01693	V	-	1	-	-
108.99	MB231CD	01694	V	-	1	-	-
100.14	MB232A	01695	V	-	1	-	-
116.15	MB232AB	01696	V	-	1	-	-
150.31	MB232ABCD	01697	V	-	1	-	-
116.15	MB232AD	01698	V	-	1	-	-
100.14	MB232C	01699	V	-	1	-	-
116.15	MB232CD	01700	V	-	1	-	-
291.02	MBA35LXGG1	00000	W	-	1	1450	-
381.93	MBA35LXRR5G1	00000	W	-	1	1650	-
297.07	MBA50LXGG8	00000	W	-	1	1450	-
387.99	MBA50LXRR5G8	00000	W	-	1	1650	-
303.60	MBA50MAGG8	00000	W	-	1	1425	-
394.51	MBA50MARR5G8	00000	W	-	1	1625	-
323.59	MBA70LXGG8	00000	W	-	1	1550	-
414.51	MBA70LXRR5G8	00000	W	-	1	1750	-
318.70	MBA70MAGG8	00000	W	-	1	1500	-
409.62	MBA70MARR5G8	00000	W	-	1	1700	-
337.71	MBA100LXGG8	00000	W	-	1	1700	-
428.61	MBA100LXRR5G8	00000	W	-	1	1900	-
342.12	MBA100MAGG8	00000	W	-	1	1650	-
433.04	MBA100MARR5G8	00000	W	-	1	1850	-
250.85	MBA100MMGG8	00000	W	-	1	1625	-
341.75	MBA100MMRR5G8	00000	W	-	1	1825	-
364.34	MBA150LXGG8	00000	W	-	1	1800	-
455.26	MBA150LXRR5G8	00000	W	-	1	2000	-
451.23	MBA175MARR5G8	00000	W	-	1	2000	-
281.20	MBB35LXGG1	00000	W	-	1	1600	-
372.13	MBB35LXRR5G1	00000	W	-	1	1800	-
287.27	MBB50LXGG8	00000	W	-	1	1600	-
378.19	MBB50LXRR5G8	00000	W	-	1	1800	-
293.80	MBB50MAGG8	00000	W	-	1	1575	-
384.71	MBB50MARR5G8	00000	W	-	1	1775	-
313.78	MBB70LXGG8	00000	W	-	1	1700	-
404.78	MBB70LXRR5G8	00000	W	-	1	1900	-
308.89	MBB70MAGG8	00000	W	-	1	1650	-
399.82	MBB70MARR5G8	00000	W	-	1	1850	-
327.88	MBB100LXGG8	00000	W	-	1	1850	-
418.81	MBB100LXRR5G8	00000	W	-	1	2050	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
332.31	MBB100MAGG8	00000	W	-	1	1800	-
423.24	MBB100MARR5G8	00000	W	-	1	2000	-
241.82	MBB100MMGG8	00000	W	-	1	1775	-
331.95	MBB100MMRR5G8	00000	W	-	1	1975	-
354.54	MBB150LXGG8	00000	W	-	1	1950	-
445.44	MBB150LXRR5G8	00000	W	-	1	2150	-
441.43	MBB175MARR5G8	00000	W	-	1	2150	-
281.20	MBD35LXGG1	00000	W	-	1	1550	-
372.13	MBD35LXRR5G1	00000	W	-	1	1750	-
287.27	MBD50LXGG8	00000	W	-	1	1550	-
378.19	MBD50LXRR5G8	00000	W	-	1	1750	-
293.80	MBD50MAGG8	00000	W	-	1	1525	-
384.71	MBD50MARR5G8	00000	W	-	1	1725	-
313.78	MBD70LXGG8	00000	W	-	1	1650	-
404.70	MBD70LXRR5G8	00000	W	-	1	1850	-
308.89	MBD70MAGG8	00000	W	-	1	1600	-
399.82	MBD70MARR5G8	00000	W	-	1	1800	-
327.88	MBD100LXGG8	00000	W	-	1	1800	-
418.81	MBD100LXRR5G8	00000	W	-	1	2000	-
332.31	MBD100MAGG8	00000	W	-	1	1750	-
423.24	MBD100MARR5G8	00000	W	-	1	1950	-
241.82	MBD100MMGG8	00000	W	-	1	1725	-
331.95	MBD100MMRR5G8	00000	W	-	1	1925	-
354.54	MBD150LXGG8	00000	W	-	1	1900	-
445.44	MBD150LXRR5G8	00000	W	-	1	2100	-
441.43	MBD175MARR5G8	00000	W	-	1	2100	-
259.42	MBF50MAGG8	00000	W	-	1	1400	-
350.32	MBF50MARR5G8	00000	W	-	1	1600	-
279.40	MBF70LXGG8	00000	W	-	1	1525	-
370.32	MBF70LXRR5G8	00000	W	-	1	1725	-
274.52	MBF70MAGG8	00000	W	-	1	1475	-
365.43	MBF70MARR5G8	00000	W	-	1	1675	-
293.52	MBF100LXGG8	00000	W	-	1	1675	-
384.43	MBF100LXRR5G8	00000	W	-	1	1875	-
297.94	MBF100MAGG8	00000	W	-	1	1625	-
388.86	MBF100MARR5G8	00000	W	-	1	1825	-
286.65	MBF100MMGG8	00000	W	-	1	1600	-
297.57	MBF100MMRR5G8	00000	W	-	1	1800	-
320.15	MBF150LXGG8	00000	W	-	1	1775	-
411.07	MBF150LXRR5G8	00000	W	-	1	1975	-
407.05	MBF175MARR5G8	00000	W	-	1	1975	-
281.20	MBL35LXGG1	00000	W	-	1	1550	-
372.13	MBL35LXRR5G1	00000	W	-	1	1750	-
287.27	MBL50LXGG8	00000	W	-	1	1550	-
378.19	MBL50LXRR5G8	00000	W	-	1	1750	-
293.80	MBL50MAGG8	00000	W	-	1	1525	-
384.71	MBL50MARR5G8	00000	W	-	1	1725	-
313.78	MBL70LXGG8	00000	W	-	1	1650	-
404.70	MBL70LXRR5G8	00000	W	-	1	1850	-
308.89	MBL70MAGG8	00000	W	-	1	1600	-
399.82	MBL70MARR5G8	00000	W	-	1	1800	-
327.88	MBL100LXGG8	00000	W	-	1	1800	-
418.81	MBL100LXRR5G8	00000	W	-	1	2000	-
332.31	MBL100MAGG8	00000	W	-	1	1750	-
423.24	MBL100MARR5G8	00000	W	-	1	1950	-
241.82	MBL100MMGG8	00000	W	-	1	1725	-
331.95	MBL100MMRR5G8	00000	W	-	1	1925	-
354.54	MBL150LXGG8	00000	W	-	1	1900	-
445.44	MBL150LXRR5G8	00000	W	-	1	2100	-
441.43	MBL175MARR5G8	00000	W	-	1	2100	-
246.83	MBP35LXGG1	00000	W	-	1	1425	-
337.75	MBP35LXRR5G1	00000	W	-	1	1625	-
252.89	MBP50LXGG8	00000	W	-	1	1425	-
343.80	MBP50LXRR5G8	00000	W	-	1	1625	-
259.42	MBP50MAGG8	00000	W	-	1	1400	-
350.32	MBP50MARR5G8	00000	W	-	1	1600	-
279.40	MBP70LXGG8	00000	W	-	1	1525	-
370.32	MBP70LXRR5G8	00000	W	-	1	1725	-
274.52	MBP70MAGG8	00000	W	-	1	1475	-
365.43	MBP70MARR5G8	00000	W	-	1	1675	-
293.52	MBP100LXGG8	00000	W	-	1	1675	-
384.43	MBP100LXRR5G8	00000	W	-	1	1875	-
297.94	MBP100MAGG8	00000	W	-	1	1625	-
388.86	MBP100MARR5G8	00000	W	-	1	1825	-
286.65	MBP100MMGG8	00000	W	-	1	1600	-
297.57	MBP100MMRR5G8	00000	W	-	1	1800	-
320.15	MBP150LXGG8	00000	W	-	1	1775	-
411.07	MBP150LXRR5G8	00000	W	-	1	1975	-
407.05	MBP175MARR5G8	00000	W	-	1	1975	-
246.45	MBX35LXGG1	00000	W	-	1	1500	-
337.37	MBX35LXRR5G1	00000	W	-	1	1700	-
252.50	MBX50LXGG8	00000	W	-	1	1500	-
343.41	MBX50LXRR5G8	00000	W	-	1	1700	-
259.02	MBX50MAGG8	00000	W	-	1	1475	-
349.94	MBX50MARR5G8	00000	W	-	1	1675	-
279.02	MBX70LXGG8	00000	W	-	1	1600	-
369.95	MBX70LXRR5G8	00000	W	-	1	1800	-
274.13	MBX70MAGG8	00000	W	-	1	1550	-
365.05	MBX70MARR5G8	00000	W	-	1	1750	-
293.13	MBX100LXGG8	00000	W	-	1	1750	-
384.05	MBX100LXRR5G8	00000	W	-	1	1950	-
297.56	MBX100MAGG8	00000	W	-	1	1700	-
388.48	MBX100MARR5G8	00000	W	-	1	1900	-
286.27	MBX100MMGG8	00000	W	-	1	1675	-
297.19	MBX100MMRR5G8	00000	W	-	1	1875	-
319.77	MBX150LXGG8	00000	W	-	1	1850	-
410.68	MBX150LXRR5G8	00000	W	-	1	2050	-
406.66	MBX175MARR5G8	00000	W	-	1	2050	-
14.98	MCJ-50-63	38900	TB	5	25	37	A
14.98	MCJ-50-63A	38950	TB	5	25	11	A
14.83	MCJ-50-75	38901	TB	5	25	37	A
14.98	MCJ-50-75A	38951	TB	5	25	11	A
14.83	MCJ-50-88	38902	TB	5	25	37	A
14.98	MCJ-50-88A	38952	TB	5	25	11	A
20.72	MCJ-75-111	38905	TB	4	20	82	A
20.72	MCJ-75-111A	38955	TB	4	20	25	A
20.72	MCJ-75-97	38904	TB	4	20	82	A
20.72	MCJ-75-97A	38954	TB	4	20	25	A
31.58	MCJ-100-119	38907	TB	2	10	98	A
31.58	MCJ-100-119A	38957	TB	2	10	29	A
31.58	MCJ-100-136	38908	TB	2	10	98	A
31.58	MCJ-100-136A	38958	TB	2	10	29	A
40.71	MCJ-125-156	38910	TB	2	10	135	B
40.71	MCJ-125-156A	38960	TB	2	10	41	B
40.71	MCJ-125-175	38911	TB	2	10	135	B
40.71	MCJ-125-175A	38961	TB	2	10	41	B
58.27	MCJ-150-176	38913	TB	2	10	169	B
58.27	MCJ-150-176A	38963	TB	2	10	51	B
58.27	MCJ-150-198	38914	TB	2	10	169	B
58.00	MCJ-150-198A	38964	TB	2	10	51	B
70.30	MCJ-200-222	38916	TB	1	5	210	B
70.30	MCJ-200-222A	38966	TB	1	5	63	B
70.30	MCJ-200-247	38917	TB	1	5	210	B
70.30	MCJ-200-247A	38967	TB	1	5	63	B
63.41	MDB-38	00000	UA	-	-	-	-
63.41	MDB-50	00000	UA	-	-	-	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
2.03	ME-323S	39000	BA	25	100	15	A
3.87	ME-324S	39002	BA	10	100	33	A
9.32	ME-325S	39004	BA	5	50	56	A
4.62	• MF-050	40000	EA	10	100	27	A
7.32	• MF-050T	40005	EA	10	100	29	A
5.72	• MF-075	40020	EA	10	50	39	A
7.79	• MF-075T	40025	EA	10	50	37	A
9.52	• MF-100	40040	EA	5	25	68	A
14.47	• MF-100T	40045	EA	5	25	69	A
12.96	• MF-125	40060	EA	5	25	101	B
19.43	• MF-125T	40065	EA	5	25	97	B
18.23	• MF-150	40080	EA	2	10	157	B
28.07	• MF-150T	40085	EA	2	10	160	B
29.81	• MF-200	40100	EA	1	10	279	B
44.50	• MF-200T	40105	EA	1	10	273	B
53.23	• MF-250	40120	EA	1	10	361	C
79.97	• MF-250T	40125	EA	1	10	361	C
74.77	• MF-300	40130	EA	1	5	467	C
112.82	• MF-300T	40135	EA	1	5	800	C
17.37	MG-04	40200	MA	25	100	38	-
19.59	MG-22	40202	MA	20	100	50	-
44.05	MG-25	40204	MA	10	50	81	-
66.10	MG-50	40206	MA	5	25	140	-
106.82	MG-75	40208	MA	-	1	240	-
132.34	MG-92	40210	MA	1	5	360	-
17.88	N1PCR	00000	W	-	1	80	-
22.80	N7AW	00000	W	-	1	300	-
33.88	N8AW	00000	W	-	1	450	-
34.00	N505	00000	W	-	1	250	-
17.75	N506	00000	W	-	1	50	-
19.87	N810	00000	W	-	1	62	-
40.57	N5005	00000	W	-	1	300	-
63.44	N6017	00000	W	-	1	1600	-
19.57	N6028N	00000	W	-	1	57	-
51.25	N1500	00000	W	-	1	700	-
23.96	NAM6V	00000	W	-	1	170	-
56.32	NAM6VS	00000	W	-	1	250	-
15.38	NAM8CA	00000	W	-	1	300	-
35.73	NAM8NV	00000	W	-	1	100	-
60.75	NAM8NVS	00000	W	-	1	100	-
37.95	NAM8SF	00000	W	-	1	3813	-
37.95	NAM8WB	00000	W	-	1	700	-
262.49	NAM671H48	00000	W	-	1	3500	-
262.49	NAM671HMT	00000	W	-	1	3500	-
274.59	NAM671L48	00000	W	-	1	3800	-
274.59	NAM671LMT	00000	W	-	1	3800	-
289.83	NAM675H48	00000	W	-	1	3500	-
289.83	NAM675HMT	00000	W	-	1	3500	-
385.08	NAM675L48	00000	W	-	1	3800	-
385.08	NAM675LMT	00000	W	-	1	3800	-
266.96	NAM771H48	00000	W	-	1	4000	-
266.96	NAM771HMT	00000	W	-	1	4000	-
325.42	NAM771L48	00000	W	-	1	4100	-
325.42	NAM771LMT	00000	W	-	1	4100	-
292.89	NAM775H48	00000	W	-	1	4000	-
292.89	NAM775HMT	00000	W	-	1	4000	-
355.92	NAM775L48	00000	W	-	1	4100	-
355.92	NAM775LMT	00000	W	-	1	4100	-
402.10	NAM861H48	00000	W	-	1	7100	-
402.10	NAM861HMT	00000	W	-	1	7100	-
530.84	NAM861L48	00000	W	-	1	7800	-
530.84	NAM861LMT	00000	W	-	1	7800	-
496.54	NAM865H48	00000	W	-	1	7100	-
496.54	NAM865HMT	00000	W	-	1	7100	-
575.26	NAM865L48	00000	W	-	1	7800	-
575.26	NAM865LMT	00000	W	-	1	7800	-
340.42	NCSEW040903	00000	V	-	1	-	-
331.85	NCSEW060804	00000	V	-	1	-	-
495.41	NCSEW061004	00000	V	-	1	-	-
498.08	NCSEW061204	00000	V	-	1	-	-
716.08	NCSEW061604	00000	V	-	1	-	-
587.51	NCSEW071106	00000	V	-	1	-	-
525.88	NCSEW080806	00000	V	-	1	-	-
575.57	NCSEW081006	00000	V	-	1	-	-
601.01	NCSEW081304	00000	V	-	1	-	-
727.25	NCSEW081307	00000	V	-	1	-	-
631.23	NCSEW091105	00000	V	-	1	-	-
637.20	NCSEW091504	00000	V	-	1	-	-
731.69	NCSEW101006	00000	V	-	1	-	-
859.08	NCSEW101406	00000	V	-	1	-	-
982.27	NCSEW101408	00000	V	-	1	-	-
1359.79	NCSEW112005	00000	V	-	1	-	-
1697.57	NCSEW112406	00000	V	-	1	-	-
2398.98	NCSEW113006	00000	V	-	1	-	-
874.98	NCSEW121206	00000	V	-	1	-	-
922.64	NCSEW121208	00000	V	-	1	-	-
1165.06	NCSEW121806	00000	V	-	1	-	-
1256.79	NCSEW121808	00000	V	-	1	-	-
1673.07	NCSEW122408	00000	V	-	1	-	-
3038.73	NCSEW133806	00000	V	-	1	-	-
1259.13	NCSEW141406	00000	V	-	1	-	-
1416.10	NCSEW141408	00000	V	-	1	-	-
1585.62	NCSEW141608	00000	V	-	1	-	-
1998.94	NCSEW142408	00000	V	-	1	-	-
3116.30	NCSEW153707	00000	V	-	1	-	-
1547.22	NCSEW161606	00000	V	-	1	-	-
1630.68	NCSEW161608	00000	V	-	1	-	-
3118.30	NCSEW161812	00000	V	-	1	-	-
1578.71	NCSEW162005	00000	V	-	1	-	-
1758.16	NCSEW162205	00000	V	-	1	-	-
2644.96	NCSEW162408	00000	V	-	1	-	-
2878.94	NCSEW162805	00000	V	-	1	-	-
4950.31	NCSEW164208	00000	V	-	1	-	-
1971.80	NCSEW181806	00000	V	-	1	-	-
2207.57	NCSEW181808	00000	V	-	1	-	-
2803.70	NCSEW182408	00000	V	-	1	-	-
3024.23	NCSEW182410	00000	V	-	1	-	-
3354.07	NCSEW183008	00000	V	-	1	-	-
3695.18	NCSEW183608	00000	V	-	1	-	-
3982.64	NCSEW183610	00000	V	-	1	-	-
4716.52	NCSEW184207	00000	V	-	1	-	-
3488.59	NCSEW202807	00000	V	-	1	-	-
6398.87	NCSEW204010	00000	V	-	1	-	-
2665.30	NCSEW205610	00000	V	-	1	-	-
3336.85	NCSEW242408	00000	V	-	1	-	-
3662.07	NCSEW242410	00000	V	-	1	-	-
5596.76	NCSEW243608	00000	V	-	1	-	-
6752.53	NCSEW243610	00000	V	-	1	-	-
1960.50	NCSEW303808	00000	V	-	1	-	-
6212.81	NCSEW303816	00000	V	-	1	-	-
716.20	NEAB12215C	00000	V	-	1	-	-
716.20	NEAB12220C	00000	V	-	1	-	-
716.20	NEAB12225C	00000	V	-	1	-	-
716.20	NEAB12230C	00000	V	-	1	-	-
716.20	NEAB12235C	00000	V	-	1	-	-
716.20	NEAB12240C	00000	V	-	1	-	-

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EGS O-Z/GEDNEY

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
716.20	NEAB12250C	00000	V	-	1	-	-
823.62	NEAB12415C	00000	V	-	1	-	-
823.62	NEAB12420C	00000	V	-	1	-	-
823.62	NEAB12425C	00000	V	-	1	-	-
823.62	NEAB12430C	00000	V	-	1	-	-
823.62	NEAB12435C	00000	V	-	1	-	-
823.62	NEAB12440C	00000	V	-	1	-	-
823.62	NEAB12450C	00000	V	-	1	-	-
859.42	NEAB12615C	00000	V	-	1	-	-
859.42	NEAB12620C	00000	V	-	1	-	-
859.42	NEAB12625C	00000	V	-	1	-	-
859.42	NEAB12630C	00000	V	-	1	-	-
859.42	NEAB12635C	00000	V	-	1	-	-
859.42	NEAB12640C	00000	V	-	1	-	-
859.42	NEAB12650C	00000	V	-	1	-	-
830.94	NEAB13215C	00000	V	-	1	-	-
830.94	NEAB13220C	00000	V	-	1	-	-
830.94	NEAB13225C	00000	V	-	1	-	-
830.94	NEAB13230C	00000	V	-	1	-	-
830.94	NEAB13235C	00000	V	-	1	-	-
830.94	NEAB13240C	00000	V	-	1	-	-
830.94	NEAB13250C	00000	V	-	1	-	-
931.07	NEAB13415C	00000	V	-	1	-	-
931.07	NEAB13420C	00000	V	-	1	-	-
931.07	NEAB13425C	00000	V	-	1	-	-
931.07	NEAB13430C	00000	V	-	1	-	-
931.07	NEAB13435C	00000	V	-	1	-	-
931.07	NEAB13440C	00000	V	-	1	-	-
931.07	NEAB13450C	00000	V	-	1	-	-
1002.68	NEAB13615C	00000	V	-	1	-	-
1002.68	NEAB13620C	00000	V	-	1	-	-
1002.68	NEAB13625C	00000	V	-	1	-	-
1002.68	NEAB13630C	00000	V	-	1	-	-
1002.68	NEAB13635C	00000	V	-	1	-	-
1002.68	NEAB13640C	00000	V	-	1	-	-
1002.68	NEAB13650C	00000	V	-	1	-	-
814.77	NEAB3036DSC	00000	V	-	1	-	-
1332.68	NEAB3036FDSC	00000	V	-	1	-	-
620.86	NEABC	00000	V	-	1	-	-
931.07	NEBB12210C	00000	V	-	1	-	-
931.07	NEBB12260C	00000	V	-	1	-	-
931.07	NEBB12270C	00000	V	-	1	-	-
931.07	NEBB12280C	00000	V	-	1	-	-
931.07	NEBB12290C	00000	V	-	1	-	-
1095.54	NEBB12410C	00000	V	-	1	-	-
1095.54	NEBB12460C	00000	V	-	1	-	-
1095.54	NEBB12470C	00000	V	-	1	-	-
1095.54	NEBB12480C	00000	V	-	1	-	-
1095.54	NEBB12490C	00000	V	-	1	-	-
1145.94	NEBB12610C	00000	V	-	1	-	-
1145.94	NEBB12660C	00000	V	-	1	-	-
1145.94	NEBB12670C	00000	V	-	1	-	-
1145.94	NEBB12680C	00000	V	-	1	-	-
1145.94	NEBB12690C	00000	V	-	1	-	-
974.18	NEBB13210C	00000	V	-	1	-	-
974.18	NEBB13260C	00000	V	-	1	-	-
974.18	NEBB13270C	00000	V	-	1	-	-
974.18	NEBB13280C	00000	V	-	1	-	-
974.18	NEBB13290C	00000	V	-	1	-	-
1138.64	NEBB13410C	00000	V	-	1	-	-
1138.64	NEBB13460C	00000	V	-	1	-	-
1138.64	NEBB13470C	00000	V	-	1	-	-
1138.64	NEBB13480C	00000	V	-	1	-	-
1138.64	NEBB13490C	00000	V	-	1	-	-
1189.03	NEBB13610C	00000	V	-	1	-	-
1189.03	NEBB13660C	00000	V	-	1	-	-
1189.03	NEBB13670C	00000	V	-	1	-	-
1189.03	NEBB13680C	00000	V	-	1	-	-
1189.03	NEBB13690C	00000	V	-	1	-	-
861.65	NEBB6036DSC	00000	V	-	1	-	-
1395.36	NEBB6036FDSC	00000	V	-	1	-	-
765.93	NEBBC	00000	V	-	1	-	-
1180.13	NECB1036DSC	00000	V	-	1	-	-
1663.52	NECB1036FDSC	00000	V	-	1	-	-
1402.48	NECB12212C	00000	V	-	1	-	-
1402.48	NECB12215C	00000	V	-	1	-	-
1576.99	NECB12412C	00000	V	-	1	-	-
1576.99	NECB12415C	00000	V	-	1	-	-
1623.44	NECB12612C	00000	V	-	1	-	-
1623.44	NECB12615C	00000	V	-	1	-	-
1448.51	NECB13212C	00000	V	-	1	-	-
1448.51	NECB13215C	00000	V	-	1	-	-
1668.86	NECB13412C	00000	V	-	1	-	-
1668.86	NECB13415C	00000	V	-	1	-	-
1833.62	NECB13612C	00000	V	-	1	-	-
1833.62	NECB13615C	00000	V	-	1	-	-
1754.89	NECBC	00000	V	-	1	-	-
2689.69	NEEB2036DSC	00000	V	-	1	-	-
4724.35	NEEB2036FDSC	00000	V	-	1	-	-
2936.41	NEEB22610C	00000	V	-	1	-	-
2936.41	NEEB22612C	00000	V	-	1	-	-
2936.41	NEEB22617C	00000	V	-	1	-	-
2936.41	NEEB22620C	00000	V	-	1	-	-
2936.41	NEEB22622C	00000	V	-	1	-	-
2936.41	NEEB22670C	00000	V	-	1	-	-
2936.41	NEEB22690C	00000	V	-	1	-	-
3808.06	NEEB23610C	00000	V	-	1	-	-
3808.06	NEEB23612C	00000	V	-	1	-	-
3808.06	NEEB23617C	00000	V	-	1	-	-
3808.06	NEEB23620C	00000	V	-	1	-	-
3808.06	NEEB23622C	00000	V	-	1	-	-
3808.06	NEEB23670C	00000	V	-	1	-	-
3808.06	NEEB23690C	00000	V	-	1	-	-
1900.58	NEEBC	00000	V	-	1	-	-
4010.73	NEFB22625C	00000	V	-	1	-	-
4982.37	NEFB23625C	00000	V	-	1	-	-
2630.06	NEFBC	00000	V	-	1	-	-
28.75	NF6	00000	W	-	1	20	-
28.75	NF10	00000	W	-	1	20	-
28.75	NF20	00000	W	-	1	11	-
28.75	NF30	00000	W	-	1	15	-
127.23	NGUB-443A	00000	V	-	1	-	-
174.63	NGUB-555A	00000	V	-	1	-	-
174.45	NGUB-664A	00000	V	-	1	-	-
318.91	NGUB-976A	00000	V	-	1	-	-
369.99	NGUB-984A	00000	V	-	1	-	-
337.78	NGUB-1093A	00000	V	-	1	-	-
596.16	NGUB-10105A	00000	V	-	1	-	-
596.16	NGUB-10106A	00000	V	-	1	-	-
688.25	NGUB-10108A	00000	V	-	1	-	-
895.20	NGUB-12128A	00000	V	-	1	-	-
1142.02	NGUB-121212A	00000	V	-	1	-	-
211.83	NGUBSW-443A	00000	V	-	1	-	-
256.27	NGUBSW-555A	00000	V	-	1	-	-
390.44	NGUBSW-664A	00000	V	-	1	-	-
395.63	NGUBSW-976A	00000	V	-	1	-	-

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418.48	NGUBSW-984A	00000	V	-	1	-	-
519.64	NGUBSW-1093A	00000	V	-	1	-	-
883.58	NGUBSW-10105A	00000	V	-	1	-	-
804.25	NGUBSW-10106A	00000	V	-	1	-	-
828.89	NGUBSW-10108A	00000	V	-	1	-	-
1206.17	NGUBSW-12128A	00000	V	-	1	-	-
1453.89	NGUBSW-121212A	00000	V	-	1	-	-
31.67	NHB20NG	00000	W	-	1	50	-
98.29	NHB20NL	00000	W	-	-	-	-
102.32	NHB20NL3	00000	W	-	-	-	-
171.67	NHB411L48	00000	W	-	1	1600	-
171.67	NHB411LMT	00000	W	-	1	1600	-
103.76	NHB511H48	00000	W	-	1	1600	-
103.76	NHB511HMT	00000	W	-	1	1600	-
124.23	NHB611H48	00000	W	-	1	1700	-
124.23	NHB611HMT	00000	W	-	1	1700	-
171.67	NHB611L48	00000	W	-	1	1800	-
171.67	NHB611LMT	00000	W	-	1	1800	-
135.51	NHB711H48	00000	W	-	1	2200	-
135.51	NHB711HMT	00000	W	-	1	2200	-
186.34	NHB711L48	00000	W	-	1	2300	-
186.34	NHB711LMT	00000	W	-	1	2300	-
265.53	NHB810H48	00000	W	-	1	3200	-
265.53	NHB810HMT	00000	W	-	1	3200	-
356.66	NHB810L48	00000	W	-	1	3700	-
356.66	NHB810LMT	00000	W	-	1	3700	-
34.12	NHB7000NG	00000	W	-	1	122	-
68.83	NHB7000NL	00000	W	-	-	-	-
71.66	NHB7000NL3	00000	W	-	-	-	-
17.43	NHB7000SC	00000	W	-	1	15	-
17.43	NHB7000SS	00000	W	-	1	100	-
28.55	NHCPL212	00000	W	-	1	417	-
28.55	NHCPL224	00000	W	-	1	417	-
28.55	NHCPL227	00000	W	-	1	417	-
24.47	NHCPL248	00000	W	-	1	650	-
21.88	NHCPL312	00000	W	-	1	375	-
21.88	NHCPL324	00000	W	-	1	375	-
21.88	NHCPL327	00000	W	-	1	375	-
25.81	NHCPL348	00000	W	-	1	675	-
23.24	NHCPL412	00000	W	-	1	395	-
23.24	NHCPL424	00000	W	-	1	395	-
23.24	NHCPL427	00000	W	-	1	395	-
27.45	NHCPL448	00000	W	-	1	695	-
35.87	NHPHP12	00000	W	-	1	300	-
35.87	NHPHP24	00000	W	-	1	300	-
35.87	NHPHP27	00000	W	-	1	300	-
38.08	NHPHP48	00000	W	-	1	855	-
38.46	NHPHT12	00000	W	-	1	325	-
38.46	NHPHT24	00000	W	-	1	325	-
38.46	NHPHT27	00000	W	-	1	325	-
48.59	NHPHT48	00000	W	-	1	995	-
340.42	NJBEW040903	00000	V	-	1	-	-
331.65	NJBEW060804	00000	V	-	1	-	-
495.41	NJBEW061004	00000	V	-	1	-	-
498.08	NJBEW061204	00000	V	-	1	-	-
718.08	NJBEW061604	00000	V	-	1	-	-
587.51	NJBEW071106	00000	V	-	1	-	-
525.88	NJBEW080806	00000	V	-	1	-	-
575.57	NJBEW081006	00000	V	-	1	-	-
661.01	NJBEW081304	00000	V	-	1	-	-
727.26	NJBEW081307	00000	V	-	1	-	-
631.23	NJBEW091105	00000	V	-	1	-	-
837.20	NJBEW091504	00000	V	-	1	-	-

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731.89	NJBEW101006	00000	V	-	1	-	-
859.08	NJBEW101406	00000	V	-	1	-	-
982.27	NJBEW101408	00000	V	-	1	-	-
1359.79	NJBEW112005	00000	V	-	1	-	-
1597.57	NJBEW112406	00000	V	-	1	-	-
2398.98	NJBEW113006	00000	V	-	1	-	-
874.98	NJBEW121206	00000	V	-	1	-	-
922.64	NJBEW121208	00000	V	-	1	-	-
1165.06	NJBEW121806	00000	V	-	1	-	-
1255.79	NJBEW121808	00000	V	-	1	-	-
1673.07	NJBEW122408	00000	V	-	1	-	-
3036.73	NJBEW133806	00000	V	-	1	-	-
1259.13	NJBEW141406	00000	V	-	1	-	-
1416.10	NJBEW141408	00000	V	-	1	-	-
1585.62	NJBEW141608	00000	V	-	1	-	-
1998.94	NJBEW142408	00000	V	-	1	-	-
3118.30	NJBEW153707	00000	V	-	1	-	-
1547.22	NJBEW161606	00000	V	-	1	-	-
1638.68	NJBEW161608	00000	V	-	1	-	-
3118.30	NJBEW161812	00000	V	-	1	-	-
1578.71	NJBEW162005	00000	V	-	1	-	-
1759.16	NJBEW162205	00000	V	-	1	-	-
2544.06	NJBEW162408	00000	V	-	1	-	-
2878.94	NJBEW162805	00000	V	-	1	-	-
4950.31	NJBEW164208	00000	V	-	1	-	-
1971.98	NJBEW181806	00000	V	-	1	-	-
2297.57	NJBEW181808	00000	V	-	1	-	-
2883.78	NJBEW182408	00000	V	-	1	-	-
3024.23	NJBEW182410	00000	V	-	1	-	-
3354.67	NJBEW183008	00000	V	-	1	-	-
3695.18	NJBEW183608	00000	V	-	1	-	-
3982.64	NJBEW183610	00000	V	-	1	-	-
4716.52	NJBEW184207	00000	V	-	1	-	-
3480.59	NJBEW202807	00000	V	-	1	-	-
6396.87	NJBEW204010	00000	V	-	1	-	-
2655.30	NJBEW205610	00000	V	-	1	-	-
3336.06	NJBEW242408	00000	V	-	1	-	-
3662.07	NJBEW242410	00000	V	-	1	-	-
5596.76	NJBEW243608	00000	V	-	1	-	-
6752.53	NJBEW243610	00000	V	-	1	-	-
1960.58	NJBEW303808	00000	V	-	1	-	-
6212.91	NJBEW303816	00000	V	-	1	-	-
89.71	NLM20	00000	W	-	1	2200	-
118.86	NLM30	00000	W	-	1	2600	-
15.16	NMM4V	00000	W	-	1	60	-
36.17	NMM4VS	00000	W	-	1	167	-
115.54	NMM150L12R	00000	W	-	1	725	-
119.21	NMM150L12RH	00000	W	-	1	875	-
119.74	NMM250L12R	00000	W	-	1	920	-
124.40	NMM250L12RH	00000	W	-	1	960	-
137.91	NMM350H12H	00000	W	-	1	1250	-
123.51	NMM350L12R	00000	W	-	1	850	-
138.04	NMM350L12RH	00000	W	-	1	970	-
145.26	NMM450L12R	00000	W	-	1	920	-
151.57	NMM450L12RH	00000	W	-	1	1080	-
137.91	NMM550H12H	00000	W	-	1	1370	-
81.73	NPB2	00000	W	-	1	1600	-
99.50	NPB3	00000	W	-	1	1900	-
138.91	NPB4	00000	W	-	1	3100	-
153.73	NPB14	00000	W	-	1	5000	-
111.73	NPB3120	00000	W	-	1	2600	-
244.39	NPCAB4	00000	W	-	1	8100	-
94.69	NPCB1	00000	W	-	1	1400	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
154.38	NPCB2	00000	W	-	1	1548	-
179.07	NPCB3	00000	W	-	1	1897	-
238.76	NPCB4	00000	W	-	1	2600	-
846.79	NPHSH20	00000	W	-	1	5800	-
1081.02	NPHSH24	00000	W	-	1	500	-
1175.60	NPHSH30	00000	W	-	1	6500	-
1310.74	NPHSH35	00000	W	-	1	8700	-
621.56	NPHSM20	00000	W	-	1	6500	-
774.71	NPHSM24	00000	W	-	1	3000	-
819.86	NPHSM30	00000	W	-	1	7800	-
86.17	NPR3	00000	W	-	1	400	-
89.81	NPR4	00000	W	-	1	500	-
67.94	NPR212	00000	W	-	-	-	-
90.26	NPR312	00000	W	-	-	-	-
698.14	NPRTH20	00000	W	-	1	9500	-
786.29	NPRTH25	00000	W	-	1	3400	-
854.03	NPRTH30	00000	W	-	1	9500	-
930.85	NPRTH35	00000	W	-	1	4100	-
1043.60	NPRTH39	00000	W	-	1	9600	-
469.93	NPSSH14	00000	W	-	1	6900	-
501.58	NPSSH17	00000	W	-	1	2500	-
650.73	NPSSH20	00000	W	-	1	8100	-
825.31	NPSSH24	00000	W	-	1	8000	-
907.46	NPSSH30	00000	W	-	1	7500	-
366.01	NPSSM14	00000	W	-	1	5000	-
460.96	NPSSM17	00000	W	-	1	7800	-
564.89	NPSSM20	00000	W	-	1	8500	-
739.42	NPSSM24	00000	W	-	1	2400	-
821.56	NPSSM30	00000	W	-	1	6000	-
720.74	NPSTH20	00000	W	-	1	3000	-
835.97	NPSTH24	00000	W	-	1	6000	-
1093.53	NPSTH30	00000	W	-	1	3200	-
1197.46	NPSTH35	00000	W	-	1	5200	-
1346.63	NPSTH39	00000	W	-	1	200	-
72.35	NPWB1	00000	W	-	1	600	-
20.24	NSF20	00000	W	-	1	350	-
373.67	NSM821H48N	00000	W	-	1	5580	-
413.72	NSM821HH48N	00000	W	-	1	5720	-
413.72	NSM821HHMTN	00000	W	-	1	5720	-
373.67	NSM821HMTN	00000	W	-	1	5580	-
373.67	NSM831H48N	00000	W	-	1	5580	-
413.72	NSM831HH48N	00000	W	-	1	5720	-
413.72	NSM831HHMTN	00000	W	-	1	5720	-
373.67	NSM831HMTN	00000	W	-	1	5580	-
373.67	NSM841H48N	00000	W	-	1	5580	-
413.72	NSM841HH48N	00000	W	-	1	5720	-
413.72	NSM841HHMTN	00000	W	-	1	5720	-
373.67	NSM841HMTN	00000	W	-	1	5580	-
373.67	NSM851H48N	00000	W	-	1	5580	-
413.72	NSM851HH48N	00000	W	-	1	5720	-
413.72	NSM851HHMTN	00000	W	-	1	5720	-
373.67	NSM851HMTN	00000	W	-	1	5580	-
373.67	NSM861H48N	00000	W	-	1	5580	-
413.72	NSM861HH48N	00000	W	-	1	5720	-
413.72	NSM861HHMTN	00000	W	-	1	5720	-
421.71	NSM861HMTN	00000	W	-	1	5580	-
421.71	NSM921H48N	00000	W	-	1	5960	-
461.75	NSM921HH48N	00000	W	-	1	6440	-
461.75	NSM921HHMTN	00000	W	-	1	6440	-
421.71	NSM921HMTN	00000	W	-	1	5960	-
421.71	NSM931H48N	00000	W	-	1	5960	-
461.75	NSM931HH48N	00000	W	-	1	6440	-
461.75	NSM931HHMTN	00000	W	-	1	6440	-
421.71	NSM931HMTN	00000	W	-	1	5960	-
421.71	NSM941H48N	00000	W	-	1	5960	-
461.75	NSM941HH48N	00000	W	-	1	6440	-
461.75	NSM941HHMTN	00000	W	-	1	6440	-
421.71	NSM941HMTN	00000	W	-	1	5960	-
421.71	NSM951H48N	00000	W	-	1	5960	-
461.75	NSM951HH48N	00000	W	-	1	6440	-
461.75	NSM951HHMTN	00000	W	-	1	6440	-
421.71	NSM951HMTN	00000	W	-	1	5960	-
421.71	NSM961H48N	00000	W	-	1	5960	-
461.75	NSM961HH48N	00000	W	-	1	6440	-
461.75	NSM961HHMTN	00000	W	-	1	6440	-
421.71	NSM961HMTN	00000	W	-	1	5960	-
28.24	NVB101	00000	W	-	1	1600	-
151.57	NWM130L12R	00000	W	-	1	885	-
164.21	NWM130L12RH	00000	W	-	1	900	-
191.58	NWM130L12RHPC	00000	W	-	1	1075	-
178.97	NWM130L12RPC	00000	W	-	1	1200	-
208.03	NWM130LDT	00000	W	-	1	1075	-
151.57	NWM134L12R	00000	W	-	1	1050	-
164.21	NWM134L12RH	00000	W	-	1	1075	-
191.58	NWM134L12RHPC	00000	W	-	1	1100	-
178.97	NWM134L12RPC	00000	W	-	1	1075	-
208.03	NWM134LDT	00000	W	-	1	1400	-
155.62	NWM230L12R	00000	W	-	1	900	-
168.44	NWM230L12RH	00000	W	-	1	925	-
195.80	NWM230L12RHPC	00000	W	-	1	925	-
183.16	NWM230L12RPC	00000	W	-	1	900	-
206.35	NWM230L48	00000	W	-	1	1250	-
206.35	NWM230LMT	00000	W	-	1	1200	-
155.62	NWM234L12R	00000	W	-	1	1180	-
168.44	NWM234L12RH	00000	W	-	1	1200	-
195.80	NWM234L12RHPC	00000	W	-	1	925	-
183.16	NWM234L12RPC	00000	W	-	1	900	-
206.35	NWM234L48	00000	W	-	1	1540	-
206.35	NWM234LMT	00000	W	-	1	1410	-
221.54	NWM330HDT	00000	W	-	1	1500	-
157.91	NWM330L12R	00000	W	-	1	950	-
172.65	NWM330L12RH	00000	W	-	1	950	-
200.03	NWM330L12RHPC	00000	W	-	1	1200	-
185.30	NWM330L12RPC	00000	W	-	1	950	-
210.54	NWM330L48	00000	W	-	1	1600	-
210.54	NWM330LMT	00000	W	-	1	1375	-
221.54	NWM334HDT	00000	W	-	1	1580	-
157.91	NWM334L12R	00000	W	-	1	1175	-
172.65	NWM334L12RH	00000	W	-	1	1300	-
200.03	NWM334L12RHPC	00000	W	-	1	1325	-
185.30	NWM334L12RPC	00000	W	-	1	1200	-
210.53	NWM334L48	00000	W	-	1	1700	-
210.54	NWM334LMT	00000	W	-	1	1612	-
164.21	NWM430L12R	00000	W	-	1	1050	-
176.85	NWM430L12RH	00000	W	-	1	1100	-
204.22	NWM430L12RHPC	00000	W	-	1	1225	-
191.58	NWM430L12RPC	00000	W	-	1	1200	-
214.74	NWM430LMT	00000	W	-	1	1620	-
164.21	NWM434L12R	00000	W	-	1	1325	-
176.85	NWM434L12RH	00000	W	-	1	1325	-
204.22	NWM434L12RHPC	00000	W	-	1	1370	-
191.58	NWM434L12RPC	00000	W	-	1	1325	-
214.74	NWM434LMT	00000	W	-	1	1600	-
25.60	NWMHMK	00000	W	-	1	220	-
101.14	OCB-404SA	41100	AE	-	1	750	A
4.30	• OE-50	41535	FD	10	100	23	A

EGS O-Z/GEDNEY

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
5.31	• OE-75	41545	FD	10	100	32	A
6.45	• OE-100	41555	FD	10	100	46	A
25.78	OEC-50	05537	BA	2	10	195	A
29.34	OEC-75	05538	BA	2	10	275	A
5.48	OEG-50	41900	BA	10	100	24	A
7.98	OEG-75	41910	BA	10	100	31	A
10.80	OEG-100	41920	BA	5	50	46	A
25.67	OELB-50	05545	BA	2	10	190	A
29.19	OELB-75	05546	BA	2	10	270	A
26.89	OELL-50	05541	BA	2	10	195	A
31.57	OELL-75	05542	BA	2	10	275	A
26.89	OELR-50	05543	BA	2	10	195	A
31.57	OELR-75	05544	BA	2	10	275	A
25.67	OET-50	05539	BA	2	10	200	A
31.42	OET-75	05540	BA	2	10	280	A
2.81	• ON-50	43100	EA	10	100	24	A
5.68	• ON-50T	43105	EA	10	100	24	A
2.97	• ON-75	43110	EA	10	100	29	A
5.88	• ON-75T	43115	EA	10	100	27	A
3.69	• ON-100	43120	EA	10	50	41	A
6.75	• ON-100T	43125	EA	10	50	37	A
8.09	• ON-125	43130	EA	5	25	64	B
16.12	• ON-125T	43135	EA	5	25	64	B
9.95	• ON-150	43140	EA	5	25	74	B
19.84	• ON-150T	43145	EA	5	25	67	B
15.69	• ON-200	43150	EA	2	10	103	B
31.36	• ON-200T	43155	EA	2	10	111	B
35.45	• PB-50	44000	CA	8	40	100	C
48.79	• PB-75	44002	CA	6	30	130	C
50.59	• PB-100	44004	CA	6	30	230	C
61.23	• PB-125	44006	CA	6	30	300	C
62.52	• PB-150	44008	CA	2	10	400	C
87.18	• PB-200	44010	CA	2	10	580	C
133.65	• PB-250	44012	CA	1	5	750	C
173.11	• PB-300	44014	CA	1	5	1000	C
246.89	• PB-350	44016	CA	-	1	1400	C
292.92	• PB-400	44018	CA	-	1	1800	C
413.11	• PB-500	44020	CA	-	1	2800	C
543.30	• PB-600	44022	CA	-	1	3500	C
25.27	• PBS-100-12S	01735	CA	-	1	170	C
28.97	• PBS-100-18S	01736	CA	-	1	255	C
29.86	• PBS-125-12S	01737	CA	-	1	230	C
40.88	• PBS-125-18S	01738	CA	-	1	345	C
34.63	• PBS-150-12S	01739	CA	-	1	280	C
48.88	• PBS-150-18S	01740	CA	-	1	420	C
47.07	• PBS-150-24S	01741	CA	-	1	560	C
55.88	• PBS-200-12S	01742	CA	-	1	370	C
64.80	• PBS-200-18S	01743	CA	-	1	555	C
73.59	• PBS-200-24S	01744	CA	-	1	740	C
65.68	• PBS-250-12S	01745	CA	-	1	580	C
79.57	• PBS-250-18S	01746	CA	-	1	870	C
93.88	• PBS-250-24S	01747	CA	-	1	1160	C
107.84	• PBS-250-30S	01748	CA	-	1	1450	C
121.35	• PBS-250-36S	01749	CA	-	1	1740	C
77.90	• PBS-300-12S	01750	CA	-	1	760	C
95.94	• PBS-300-18S	01751	CA	-	1	1140	C
115.01	• PBS-300-24S	01752	CA	-	1	1520	C
133.11	• PBS-300-30S	01753	CA	-	1	1900	C
150.40	• PBS-300-36S	01754	CA	-	1	2280	C
88.47	• PBS-350-12S	01755	CA	-	1	910	C
112.29	• PBS-350-18S	01756	CA	-	1	1365	C
135.54	• PBS-350-24S	01757	CA	-	1	1820	C
158.93	• PBS-350-30S	01758	CA	-	1	2275	C
181.61	• PBS-350-36S	01759	CA	-	1	2730	C
229.88	• PBS-350-48S	01760	CA	-	1	3640	C
275.48	• PBS-350-60S	01761	CA	-	1	4550	C
104.22	• PBS-400-12S	01762	CA	-	1	1080	C
132.07	• PBS-400-18S	01763	CA	-	1	1620	C
160.33	• PBS-400-24S	01764	CA	-	1	2160	C
188.73	• PBS-400-30S	01765	CA	-	1	2700	C
217.10	• PBS-400-36S	01766	CA	-	1	3240	C
270.40	• PBS-400-48S	01767	CA	-	1	4320	C
326.73	• PBS-400-60S	01768	CA	-	1	5400	C
192.98	• PBS-450-12S	01769	CA	-	1	1270	C
261.84	• PBS-450-18S	01770	CA	-	1	1905	C
330.49	• PBS-450-24S	01771	CA	-	1	2540	C
400.59	• PBS-450-30S	01772	CA	-	1	3175	C
468.28	• PBS-450-36S	01773	CA	-	1	3810	C
597.13	• PBS-450-48S	01774	CA	-	1	5080	C
739.84	• PBS-450-60S	01775	CA	-	1	6350	C
167.42	• PBS-500-12S	01776	CA	-	1	1470	C
187.31	• PBS-500-18S	01777	CA	-	1	2205	C
270.48	• PBS-500-24S	01778	CA	-	1	2940	C
319.23	• PBS-500-30S	01779	CA	-	1	3675	C
371.89	• PBS-500-36S	01780	CA	-	1	4410	C
474.46	• PBS-500-48S	01781	CA	-	1	5880	C
588.34	• PBS-500-60S	01782	CA	-	1	7370	C
254.13	• PBS-600-12S	01783	CA	-	1	1900	C
364.25	• PBS-600-18S	01784	CA	-	1	2850	C
484.43	• PBS-600-24S	01785	CA	-	1	3800	C
563.33	• PBS-600-30S	01786	CA	-	1	4750	C
665.99	• PBS-600-36S	01787	CA	-	1	5700	C
868.28	• PBS-600-48S	01788	CA	-	1	7600	C
1061.57	• PBS-600-60S	01789	CA	-	1	9500	C
326.73	• PBS-700-12S	01790	CA	-	1	2190	C
453.17	• PBS-700-18S	01791	CA	-	1	3285	C
588.37	• PBS-700-24S	01792	CA	-	1	4380	C
712.31	• PBS-700-30S	01793	CA	-	1	5475	C
845.01	• PBS-700-36S	01794	CA	-	1	6570	C
1104.14	• PBS-700-48S	01795	CA	-	1	8760	C
1359.51	• PBS-700-60S	01796	CA	-	1	10950	C
375.55	• PBS-800-12S	01797	CA	-	1	2470	C
522.61	• PBS-800-18S	01798	CA	-	1	3705	C
663.47	• PBS-800-24S	01799	CA	-	1	4940	C
812.45	• PBS-800-30S	01800	CA	-	1	6175	C
961.42	• PBS-800-36S	01801	CA	-	1	7410	C
1248.89	• PBS-800-48S	01802	CA	-	1	9880	C
1539.78	• PBS-800-60S	01803	CA	-	1	12350	C
42.16	• PBW-50	44100	CA	8	40	100	C
58.13	• PBW-75	44102	CA	6	30	130	C
61.23	• PBW-100	44104	CA	6	30	230	C
73.55	• PBW-125	44106	CA	6	30	300	C
74.53	• PBW-150	44108	CA	2	10	400	C
105.13	• PBW-200	44110	CA	2	10	580	C
161.76	• PBW-250	44112	CA	1	5	750	C
211.41	• PBW-300	44114	CA	1	5	1000	C
301.69	• PBW-350	44116	CA	-	1	1400	C
361.79	• PBW-400	44118	CA	-	1	1800	C
518.27	• PBW-500	44120	CA	-	1	2800	C
612.16	• PBW-600	44122	CA	-	1	3500	C
71.46	PB11A	01804	V	-	1	-	-
83.32	PB11AB	01805	V	-	1	-	-
121.54	PB11ABCD	01806	V	-	1	-	-
87.48	PB11AD	01807	V	-	1	-	-
71.46	PB11C	01808	V	-	1	-	-
87.48	PB11CD	01809	V	-	1	-	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
71.46	PB12A	01810	V	-	1	-	-
87.48	PB12AB	01811	V	-	1	-	-
121.54	PB12ABCD	01812	V	-	1	-	-
87.48	PB12AD	01813	V	-	1	-	-
71.46	PB12C	01814	V	-	1	-	-
87.48	PB12CD	01815	V	-	1	-	-
78.63	PB21A	01816	V	-	1	-	-
94.72	PB21AB	01817	V	-	1	-	-
126.89	PB21ABCD	01818	V	-	1	-	-
94.72	PB21AD	01819	V	-	1	-	-
78.63	PB21C	01820	V	-	1	-	-
94.72	PB21CD	01821	V	-	1	-	-
78.63	PB22A	01822	V	-	1	-	-
94.72	PB22AB	01823	V	-	1	-	-
126.89	PB22ABCD	01824	V	-	1	-	-
94.72	PB22AD	01825	V	-	1	-	-
78.63	PB22C	01826	V	-	1	-	-
94.72	PB22CD	01827	V	-	1	-	-
354.96	PFV-50-12	44500	BA	-	1	1130	-
377.05	PFV-50-18	44501	BA	-	1	1420	-
386.89	PFV-50-24	44502	BA	-	1	1710	-
405.32	PFV-50-30	44503	BA	-	1	2000	-
354.96	PFV-75-12	44506	BA	-	1	1130	-
377.05	PFV-75-18	44507	BA	-	1	1420	-
386.89	PFV-75-24	44508	BA	-	1	1710	-
405.32	PFV-75-30	44509	BA	-	1	2000	-
432.33	PFV-75-36	44510	BA	-	1	2290	-
354.96	PFV-100-12	44513	BA	-	1	1130	-
377.05	PFV-100-18	44514	BA	-	1	1420	-
386.89	PFV-100-24	44515	BA	-	1	1710	-
405.32	PFV-100-30	44516	BA	-	1	2000	-
432.33	PFV-100-36	44517	BA	-	1	2290	-
429.87	PFV-125-18	44520	BA	-	1	1870	-
442.16	PFV-125-24	44521	BA	-	1	2250	-
485.50	PFV-125-30	44522	BA	-	1	2630	-
504.80	PFV-125-36	44523	BA	-	1	3010	-
573.58	PFV-125-48	44524	BA	-	1	3770	-
461.81	PFV-150-18	44527	BA	-	1	2210	-
479.01	PFV-150-24	44528	BA	-	1	2660	-
502.34	PFV-150-30	44529	BA	-	1	3120	-
552.70	PFV-150-36	44530	BA	-	1	3570	-
643.59	PFV-150-48	44531	BA	-	1	4480	-
523.22	PFV-200-18	44534	BA	-	1	2730	-
545.33	PFV-200-24	44535	BA	-	1	3270	-
579.71	PFV-200-30	44536	BA	-	1	3810	-
633.76	PFV-200-36	44537	BA	-	1	4350	-
748.62	PFV-200-48	44538	BA	-	1	5430	-
840.11	PFV-250-24	44542	BA	-	1	4280	-
905.21	PFV-250-30	44543	BA	-	1	4920	-
1015.74	PFV-250-36	44544	BA	-	1	5550	-
1231.92	PFV-250-48	44545	BA	-	1	6820	-
840.11	PFV-300-24	44549	BA	-	1	5050	-
905.21	PFV-300-30	44550	BA	-	1	5790	-
1015.74	PFV-300-36	44551	BA	-	1	6520	-
1231.92	PFV-300-48	44552	BA	-	1	7990	-
1458.54	PFV-300-60	44553	BA	-	1	9460	-
1218.41	PFV-350-30	44556	BA	-	1	7350	-
1370.70	PFV-350-36	44557	BA	-	1	8300	-
1498.44	PFV-350-48	44558	BA	-	1	10200	-
1678.99	PFV-350-60	44559	BA	-	1	12100	-
1554.94	PFV-400-36	44562	BA	-	1	10160	-
1716.85	PFV-400-48	44563	BA	-	1	12350	-
1881.65	PFV-400-60	44564	BA	-	1	14540	-
2043.79	PFV-400-72	44565	BA	-	1	16730	-
1967.46	PFV-500-48	44568	BA	-	1	14030	-
2140.81	PFV-500-60	44569	BA	-	1	16500	-
2345.93	PFV-500-72	44570	BA	-	1	18970	-
18.14	PG-57-05	00003	TB	10	50	4	A
18.14	PG-57-05A	00004	TB	10	50	4	A
18.14	PG-66-05	00005	TB	10	50	4	A
18.14	PG-66-05A	00006	TB	10	50	4	A
18.07	PG-78-05	00007	TB	10	50	4	A
18.14	PG-78-05A	00008	TB	10	50	4	A
18.14	PG-89-05	00009	TB	10	50	4	A
18.14	PG-89-05A	00010	TB	10	50	4	A
24.47	PG-89-07	00011	TB	10	50	7	A
24.47	PG-89-07A	00012	TB	10	50	7	A
18.14	PG-98-05	00013	TB	10	50	4	A
18.14	PG-98-05A	00014	TB	10	50	4	A
24.47	PG-98-07	00015	TB	10	50	7	A
24.47	PG-98-07A	00016	TB	10	50	7	A
24.36	PG-107-07	00017	TB	10	50	7	A
24.47	PG-107-07A	00018	TB	10	50	7	A
28.55	PG-107-10	00019	TB	10	50	9	A
28.55	PG-107-10A	00020	TB	10	50	9	A
24.47	PG-121-07	00021	TB	10	50	7	A
24.47	PG-121-07A	00022	TB	10	50	7	A
28.55	PG-121-10	00023	TB	10	50	9	A
28.55	PG-121-10A	00024	TB	10	50	9	A
28.55	PG-138-10	00025	TB	10	50	9	A
28.55	PG-138-10A	00026	TB	10	50	9	A
44.61	PG-138-12	00027	TB	5	25	15	B
44.61	PG-138-12A	00028	TB	5	25	15	B
44.61	PG-163-12	00029	TB	5	25	15	B
44.61	PG-163-12A	00030	TB	5	25	15	B
44.61	PG-188-12	00031	TB	5	25	70	B
44.61	PG-188-12A	00032	TB	5	25	15	B
69.11	PG-200-15	00033	TB	5	25	2	B
69.11	PG-200-15A	00034	TB	5	25	2	B
69.11	PG-219-15	00035	TB	5	25	2	B
69.11	PG-219-15A	00036	TB	5	25	2	B
84.52	PG-219-20	00037	TB	2	10	35	B
84.52	PG-219-20A	00038	TB	2	10	35	B
84.52	PG-240-20	00039	TB	2	10	35	B
84.52	PG-240-20A	00040	TB	2	10	35	B
84.52	PG-261-20	00041	TB	2	10	35	B
84.52	PG-261-20A	00042	TB	2	10	35	B
115.91	PG-263-25	00043	TB	1	5	125	C
115.38	PG-263-25A	00044	TB	1	5	100	C
85.72	PG-275-20	00045	TB	2	10	35	C
85.72	PG-275-20A	00046	TB	2	10	35	C
115.38	PG-283-25	00047	TB	1	5	471	C
115.91	PG-283-25A	00048	TB	1	5	5	C
115.91	PG-300-25	00049	TB	-	1	5	C
115.91	PG-300-25A	00050	TB	1	5	5	C
134.63	PG-300-30	00051	TB	1	5	150	C
134.63	PG-300-30A	00052	TB	1	5	75	C
115.91	PG-322-25	00053	TB	1	5	5	C
115.91	PG-322-25A	00054	TB	1	5	5	C
134.63	PG-322-30	00055	TB	1	5	75	C
134.63	PG-322-30A	00056	TB	1	5	75	C
134.63	PG-347-30	00057	TB	1	5	75	C
134.63	PG-347-30A	00058	TB	1	5	75	C
134.63	PG-363-30	00059	TB	1	5	75	C
134.63	PG-363-30A	00060	TB	1	5	75	C
173.88	PG-363-35	00061	TB	1	5	9	C

EGS O-Z/GEDNEY

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
173.88	PG-363-35A	00062	TB	1	5	9	C
173.88	PG-388-35	00063	TB	-	5	9	C
173.88	PG-388-35A	00064	TB	-	5	9	C
173.88	PG-410-35	00065	TB	-	5	9	C
173.88	PG-410-35A	00066	TB	-	5	9	C
223.15	PG-410-40	00067	TB	-	2	11	C
223.15	PG-410-40A	00068	TB	-	2	11	C
223.15	PG-428-40	00069	TB	-	2	11	C
223.15	PG-428-40A	00070	TB	-	2	11	C
223.15	PG-447-40	00071	TB	-	2	11	C
223.15	PG-447-40A	00072	TB	-	2	11	C
223.15	PG-465-40	00073	TB	-	2	11	C
223.15	PG-465-40A	00074	TB	-	2	11	C
15.41	PK-75	00075	TB	25	125	2	-
15.41	PK-75A	00076	TB	25	125	2	-
20.85	PK-100	00077	TB	10	50	4	-
20.85	PK-100A	00078	TB	10	50	4	-
20.85	PK-101	00079	TB	10	50	120	-
20.85	PK-101A	00080	TB	10	50	40	-
27.50	PK-125	00081	TB	10	50	6	-
27.50	PK-125A	00082	TB	10	50	6	-
36.64	PK-150	00083	TB	5	25	7	-
36.64	PK-150A	00084	TB	5	25	7	-
41.91	PK-200	00085	TB	5	25	9	-
41.91	PK-200A	00086	TB	5	25	9	-
51.52	PK-250	00087	TB	2	10	13	-
51.77	PK-250A	00088	TB	2	10	13	-
61.67	PK-300	00089	TB	2	10	18	-
61.95	PK-300A	00090	TB	2	10	18	-
77.68	PK-350	00091	TB	1	5	25	-
77.68	PK-350A	00092	TB	1	5	25	-
108.94	PK-400	00093	TB	1	5	30	-
108.94	PK-400A	00094	TB	1	5	30	-
167.76	PK-450	00095	TB	1	5	45	-
167.76	PK-450A	00096	TB	1	5	45	-
167.76	PK-500	00097	TB	-	2	50	-
167.76	PK-500A	00098	TB	-	2	50	-
322.37	PK-600	00099	TB	-	2	75	-
322.37	PK-600A	00100	TB	-	2	75	-
15.41	PK-751	00101	TB	25	125	60	-
15.41	PK-751A	00102	TB	25	125	20	-
46.85	PKC-62-07	01846	TB	-	1	45	-
46.85	PKC-80-07	01847	TB	-	1	45	-
61.91	PKC-96-10	01848	TB	-	1	80	-
77.93	PKC-118-12	01828	TB	-	1	100	-
77.93	PKC-134-12	01829	TB	-	1	100	-
100.92	PKC-156-15	01830	TB	-	1	150	-
119.09	PKC-178-20	01831	TB	-	1	200	-
119.09	PKC-200-20	01832	TB	-	1	200	-
145.04	PKC-220-25	01833	TB	-	1	250	-
145.04	PKC-240-25	01834	TB	-	1	250	-
173.22	PKC-258-30	01835	TB	-	1	350	-
173.22	PKC-278-30	01836	TB	-	1	350	-
173.22	PKC-298-30	01837	TB	-	1	350	-
208.43	PKC-320-35	01838	TB	-	1	500	-
208.43	PKC-344-35	01839	TB	-	1	500	-
265.30	PKC-367-40	01840	TB	-	1	600	-
265.30	PKC-391-40	01841	TB	-	1	600	-
400.39	PKC-414-50	01842	TB	-	1	900	-
400.39	PKC-439-50	01843	TB	-	1	900	-
400.39	PKC-460-50	01844	TB	-	1	900	-
400.39	PKC-484-50	01845	TB	-	1	900	-
30.46	PKG-62-07	01867	TB	-	1	20	-
30.46	PKG-80-07	01868	TB	-	1	20	-
38.92	PKG-96-10	01869	TB	-	1	45	-
48.44	PKG-118-12	01849	TB	-	1	60	-
48.44	PKG-134-12	01850	TB	-	1	60	-
64.45	PKG-156-15	01851	TB	-	1	80	-
76.11	PKG-178-20	01852	TB	-	1	100	-
76.11	PKG-200-20	01853	TB	-	1	100	-
94.85	PKG-220-25	01854	TB	-	1	150	-
94.85	PKG-240-25	01855	TB	-	1	150	-
115.88	PKG-258-30	01856	TB	-	1	200	-
115.88	PKG-278-30	01857	TB	-	1	200	-
115.88	PKG-298-30	01858	TB	-	1	200	-
143.64	PKG-320-35	01859	TB	-	1	300	-
143.64	PKG-344-35	01860	TB	-	1	300	-
186.73	PKG-367-40	01861	TB	-	1	350	-
186.73	PKG-391-40	01862	TB	-	1	350	-
278.80	PKG-414-50	01863	TB	-	1	600	-
278.80	PKG-439-50	01864	TB	-	1	600	-
278.80	PKG-460-50	01865	TB	-	1	600	-
278.80	PKG-484-50	01866	TB	-	1	600	-
33.98	PKGK-62-07	01888	TB	-	1	30	-
33.98	PKGK-80-07	01889	TB	-	1	30	-
43.41	PKGK-96-10	01890	TB	-	1	60	-
53.99	PKGK-118-12	01870	TB	-	1	75	-
53.99	PKGK-134-12	01871	TB	-	1	75	-
72.45	PKGK-156-15	01872	TB	-	1	90	-
86.91	PKGK-178-20	01873	TB	-	1	120	-
86.91	PKGK-200-20	01874	TB	-	1	120	-
107.33	PKGK-220-25	01875	TB	-	1	230	-
107.33	PKGK-240-25	01876	TB	-	1	230	-
132.03	PKGK-258-30	01877	TB	-	1	350	-
132.03	PKGK-278-30	01878	TB	-	1	350	-
132.03	PKGK-298-30	01879	TB	-	1	350	-
160.56	PKGK-320-35	01880	TB	-	1	400	-
160.56	PKGK-344-35	01881	TB	-	1	400	-
211.25	PKGK-367-40	01882	TB	-	1	500	-
211.25	PKGK-391-40	01883	TB	-	1	700	-
307.06	PKGK-414-50	01884	TB	-	1	800	-
307.06	PKGK-439-50	01885	TB	-	1	800	-
307.06	PKGK-460-50	01886	TB	-	1	800	-
307.06	PKGK-484-50	01887	TB	-	1	800	-
50.85	PKH-62-07	01909	TB	-	1	50	-
50.85	PKH-80-07	01910	TB	-	1	50	-
75.12	PKH-96-10	01911	TB	-	1	85	-
99.18	PKH-118-12	01891	TB	-	1	100	-
99.18	PKH-134-12	01892	TB	-	1	100	-
126.79	PKH-156-15	01893	TB	-	1	150	-
152.08	PKH-178-20	01894	TB	-	1	200	-
152.08	PKH-200-20	01895	TB	-	1	200	-
188.73	PKH-220-25	01896	TB	-	1	300	-
188.73	PKH-240-25	01897	TB	-	1	300	-
238.96	PKH-258-30	01898	TB	-	1	400	-
238.96	PKH-278-30	01899	TB	-	1	400	-
238.96	PKH-298-30	01900	TB	-	1	400	-
280.84	PKH-320-35	01901	TB	-	1	550	-
280.84	PKH-344-35	01902	TB	-	1	550	-
357.41	PKH-367-40	01903	TB	-	1	650	-
357.41	PKH-391-40	01904	TB	-	1	650	-
544.12	PKH-414-50	01905	TB	-	1	1000	-
544.12	PKH-439-50	01906	TB	-	1	1000	-
544.12	PKH-460-50	01907	TB	-	1	1000	-
544.12	PKH-484-50	01908	TB	-	1	1000	-
63.39	PKHA-62-07	01930	TB	-	1	75	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
63.39	PKHA-80-07	01931	TB	-	1	75	-
82.34	PKHA-96-10	01932	TB	-	1	100	-
102.82	PKHA-118-12	01912	TB	-	1	150	-
102.82	PKHA-134-12	01913	TB	-	1	150	-
132.71	PKHA-156-15	01914	TB	-	1	200	-
160.56	PKHA-178-20	01915	TB	-	1	250	-
160.56	PKHA-200-20	01916	TB	-	1	250	-
198.57	PKHA-220-25	01917	TB	-	1	350	-
198.57	PKHA-240-25	01918	TB	-	1	350	-
242.24	PKHA-258-30	01919	TB	-	1	500	-
242.24	PKHA-278-30	01920	TB	-	1	500	-
242.24	PKHA-298-30	01921	TB	-	1	500	-
291.09	PKHA-320-35	01922	TB	-	1	650	-
291.09	PKHA-344-35	01923	TB	-	1	650	-
372.16	PKHA-367-40	01924	TB	-	1	800	-
372.16	PKHA-391-40	01925	TB	-	1	800	-
564.99	PKHA-414-50	01926	TB	-	1	1150	-
564.99	PKHA-439-50	01927	TB	-	1	1150	-
564.99	PKHA-460-50	01928	TB	-	1	1150	-
564.99	PKHA-484-50	01929	TB	-	1	1150	-
64.21	PKHK-62-07	01951	TB	-	1	50	-
64.21	PKHK-80-07	01952	TB	-	1	50	-
82.92	PKHK-96-10	01953	TB	-	1	85	-
103.29	PKHK-118-12	01933	TB	-	1	100	-
103.29	PKHK-134-12	01934	TB	-	1	100	-
133.08	PKHK-156-15	01935	TB	-	1	150	-
160.56	PKHK-178-20	01936	TB	-	1	220	-
160.56	PKHK-200-20	01937	TB	-	1	220	-
198.57	PKHK-220-25	01938	TB	-	1	330	-
198.57	PKHK-240-25	01939	TB	-	1	330	-
240.81	PKHK-258-30	01940	TB	-	1	430	-
240.81	PKHK-278-30	01941	TB	-	1	430	-
240.81	PKHK-298-30	01942	TB	-	1	430	-
289.85	PKHK-320-35	01943	TB	-	1	580	-
289.85	PKHK-344-35	01944	TB	-	1	580	-
370.92	PKHK-367-40	01945	TB	-	1	680	-
370.92	PKHK-391-40	01946	TB	-	1	900	-
552.70	PKHK-414-50	01947	TB	-	1	1050	-
552.70	PKHK-439-50	01948	TB	-	1	1050	-
552.70	PKHK-460-50	01949	TB	-	1	1050	-
552.70	PKHK-484-50	01950	TB	-	1	1050	-
24.99	PKK-62-07	01962	TB	-	1	19	-
24.99	PKK-80-07	01963	TB	-	1	19	-
32.49	PKK-96-10	01964	TB	-	1	37	-
40.72	PKK-134-12	01954	TB	-	1	50	-
56.43	PKK-156-15	01955	TB	-	1	60	-
67.89	PKK-200-20	01956	TB	-	1	80	-
84.37	PKK-240-25	01957	TB	-	1	120	-
104.34	PKK-298-30	01958	TB	-	1	160	-
128.30	PKK-344-35	01959	TB	-	1	230	-
173.22	PKK-391-40	01960	TB	-	1	270	-
255.47	PKK-484-50	01961	TB	-	1	460	-
74.39	PKP-118-P3	01965	TB	-	1	85	-
90.84	PKP-134-P3	01966	TB	-	1	90	-
99.10	PKP-156-P3	01967	TB	-	1	100	-
109.13	PKP-156-P4	01968	TB	-	1	170	-
99.10	PKP-178-P3	01969	TB	-	1	100	-
109.13	PKP-178-P4	01970	TB	-	1	170	-
128.30	PKP-200-P4	01971	TB	-	1	200	-
128.30	PKP-220-P4	01972	TB	-	1	200	-
150.69	PKP-240-P4	01973	TB	-	1	250	-
163.37	PKP-240-P5	01974	TB	-	1	300	-
150.69	PKP-258-P4	01975	TB	-	1	250	-
163.37	PKP-258-P5	01976	TB	-	1	300	-
150.69	PKP-278-P4	01977	TB	-	1	250	-
163.37	PKP-278-P5	01978	TB	-	1	300	-
173.22	PKP-298-P4	01979	TB	-	1	400	-
191.54	PKP-298-P5	01980	TB	-	1	350	-
173.22	PKP-320-P4	01981	TB	-	1	400	-
239.42	PKP-344-P5	01982	TB	-	1	400	-
239.42	PKP-367-P5	01983	TB	-	1	400	-
356.64	PKP-391-P5	01984	TB	-	1	600	-
420.04	PKP-414-P5	01985	TB	-	1	600	-
420.04	PKP-439-P5	01986	TB	-	1	600	-
420.04	PKP-460-P5	01987	TB	-	1	650	-
420.04	PKP-484-P5	01988	TB	-	1	650	-
89.35	PKR-156-15	01989	TB	-	1	150	-
116.76	PKR-200-20	01990	TB	-	1	200	-
140.04	PKR-240-25	01991	TB	-	1	350	-
178.82	PKR-298-30	01992	TB	-	1	500	-
230.96	PKR-344-35	01993	TB	-	1	650	-
299.69	PKR-391-40	01994	TB	-	1	900	-
493.74	PKR-484-50	01995	TB	-	1	1400	-
34.20	PKS-62-07	02014	TB	-	1	30	-
34.20	PKS-80-07	02015	TB	-	1	30	-
43.94	PKS-96-10	02016	TB	-	1	60	-
54.40	PKS-118-12	01996	TB	-	1	75	-
54.40	PKS-134-12	01997	TB	-	1	75	-
72.83	PKS-156-15	01998	TB	-	1	90	-
87.36	PKS-178-20	01999	TB	-	1	100	-
87.36	PKS-200-20	02000	TB	-	1	100	-
109.61	PKS-220-25	02001	TB	-	1	200	-
109.61	PKS-240-25	02002	TB	-	1	200	-
133.76	PKS-258-30	02003	TB	-	1	300	-
133.76	PKS-278-30	02004	TB	-	1	300	-
133.76	PKS-298-30	02005	TB	-	1	300	-
164.78	PKS-320-35	02006	TB	-	1	350	-
164.78	PKS-344-35	02007	TB	-	1	350	-
214.05	PKS-367-40	02008	TB	-	1	450	-
214.05	PKS-391-40	02009	TB	-	1	450	-
318.12	PKS-414-50	02010	TB	-	1	700	-
318.12	PKS-439-50	02011	TB	-	1	700	-
318.12	PKS-460-50	02012	TB	-	1	700	-
318.12	PKS-484-50	02013	TB	-	1	700	-
107.03	PKSR-156-15	02017	TB	-	1	150	-
138.31	PKSR-178-20	02018	TB	-	1	200	-
138.31	PKSR-200-20	02019	TB	-	1	200	-
164.78	PKSR-220-25	02020	TB	-	1	350	-
164.78	PKSR-240-25	02021	TB	-	1	350	-
266.43	PKSR-258-30	02022	TB	-	1	500	-
266.43	PKSR-278-30	02023	TB	-	1	500	-
266.43	PKSR-298-30	02024	TB	-	1	500	-
265.38	PKSR-320-35	02025	TB	-	1	650	-
265.38	PKSR-344-35	02026	TB	-	1	650	-
341.46	PKSR-367-40	02027	TB	-	1	900	-
341.46	PKSR-391-40	02028	TB	-	1	900	-
550.25	PKSR-414-50	02029	TB	-	1	1400	-
550.25	PKSR-439-50	02030	TB	-	1	1400	-
550.25	PKSR-460-50	02031	TB	-	1	1400	-
550.25	PKSR-484-50	02032	TB	-	1	1400	-
51.86	PKT-62-07	02043	TB	-	1	50	-
51.86	PKT-80-07	02044	TB	-	1	50	-
68.19	PKT-96-10	02045	TB	-	1	90	-
85.86	PKT-134-12	02033	TB	-	1	100	-
111.08	PKT-156-15	02034	TB	-	1	150	-
133.76	PKT-200-20	02036	TB	-	1	200	-

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164.78	PKT-240-25	02037	TB	-	1	300	-
202.88	PKT-298-30	02038	TB	-	1	400	-
245.04	PKT-344-35	02039	TB	-	1	550	-
318.12	PKT-391-40	02041	TB	-	1	650	-
403.74	PKT-484-50	02042	TB	-	1	950	-
54.40	PKTA-62-07	02056	TB	-	1	80	-
54.40	PKTA-80-07	02057	TB	-	1	80	-
71.42	PKTA-96-10	02058	TB	-	1	100	-
88.89	PKTA-134-12	02046	TB	-	1	150	-
116.76	PKTA-156-15	02047	TB	-	1	200	-
142.22	PKTA-156-20	02048	TB	-	1	250	-
142.22	PKTA-200-20	02049	TB	-	1	250	-
174.63	PKTA-240-25	02050	TB	-	1	350	-
214.65	PKTA-298-30	02051	TB	-	1	500	-
269.15	PKTA-344-35	02052	TB	-	1	650	-
336.53	PKTA-391-40	02053	TB	-	1	800	-
513.40	PKTA-484-50	02054	TB	-	1	1100	-
60.65	PL111	02059	V	-	1	-	-
60.65	PL112	02061	V	-	1	-	-
60.65	PL113	02062	V	-	1	-	-
58.34	PL114	02063	V	-	1	-	-
60.65	PL115	02064	V	-	1	-	-
110.76	PL121	02066	V	-	1	-	-
110.76	PL122	02067	V	-	1	-	-
110.76	PL123	02068	V	-	1	-	-
106.50	PL124	02069	V	-	1	-	-
110.76	PL125	02071	V	-	1	-	-
110.76	PL141	02072	V	-	1	-	-
110.76	PL142	02073	V	-	1	-	-
110.76	PL143	02074	V	-	1	-	-
106.50	PL144	02075	V	-	1	-	-
110.76	PL145	02076	V	-	1	-	-
110.76	PL151	05743	V	-	1	-	-
110.76	PL152	05744	V	-	1	-	-
110.76	PL153	05745	V	-	1	-	-
60.65	PL161	02077	V	-	1	-	-
60.65	PL162	02078	V	-	1	-	-
60.65	PL163	05450	V	-	1	-	-
58.34	PL171	00000	V	-	1	-	-
60.65	PL172	00000	V	-	1	-	-
60.65	PL173	00000	V	-	1	-	-
60.65	PL181	02088	V	-	1	-	-
60.65	PL182	02089	V	-	1	-	-
60.65	PL183	02090	V	-	1	-	-
58.34	PL184	02091	V	-	1	-	-
60.65	PL185	02092	V	-	1	-	-
60.65	PL191	00000	V	-	1	-	-
60.65	PL192	00000	V	-	1	-	-
60.65	PL193	00000	V	-	1	-	-
58.34	PL194	05719	V	-	1	-	-
60.65	PL195	02097	V	-	1	-	-
67.92	PL211	02098	V	-	1	-	-
67.92	PL212	02099	V	-	1	-	-
67.92	PL213	02100	V	-	1	-	-
65.31	PL214	02101	V	-	1	-	-
67.92	PL215	02102	V	-	1	-	-
116.15	PL221	02103	V	-	1	-	-
116.15	PL222	02104	V	-	1	-	-
116.15	PL223	02105	V	-	1	-	-
111.58	PL224	02106	V	-	1	-	-
116.15	PL225	02107	V	-	1	-	-
116.15	PL241	02108	V	-	1	-	-
116.15	PL242	02109	V	-	1	-	-
116.15	PL243	02110	V	-	1	-	-
111.58	PL244	02111	V	-	1	-	-
116.15	PL245	02112	V	-	1	-	-
116.15	PL252	05742	V	-	1	-	-
62.20	PL261	00000	V	-	1	-	-
65.31	PL262	00000	V	-	1	-	-
62.20	PL263	00000	V	-	1	-	-
65.31	PL265	00000	V	-	1	-	-
65.31	PL272	00000	V	-	1	-	-
65.31	PL273	00000	V	-	1	-	-
67.92	PL281	00000	V	-	1	-	-
67.92	PL282	02124	V	-	1	-	-
67.92	PL283	02125	V	-	1	-	-
67.92	PL285	00000	V	-	1	-	-
67.92	PL295	00000	V	-	1	-	-
1.45	PLG-50R	44800	BA	100	500	7	A
1.60	PLG-50RA	05702	BA	100	500	3	A
1.66	PLG-75R	44805	BA	100	500	8	A
1.75	PLG-75RA	05703	BA	100	500	4	A
2.04	PLG-100R	44810	BA	50	200	15	A
2.13	PLG-100RA	05704	BA	50	200	6	A
2.18	PLG-125R	44815	BA	25	100	28	A
2.36	PLG-125RA	05705	BA	25	100	11	A
3.16	PLG-150R	44820	BA	25	100	38	A
3.34	PLG-150RA	05706	BA	25	100	15	A
5.59	PLG-200R	44825	BA	10	50	66	A
5.67	PLG-200RA	05707	BA	10	50	25	A
8.39	PLG-250C	44730	BA	5	25	127	A
10.09	PLG-250CA	05708	BA	5	25	48	A
12.27	PLG-300C	44835	BA	2	10	180	A
12.91	PLG-300CA	05709	BA	2	10	67	A
15.70	PLG-350C	44840	BA	2	10	242	C
16.59	PLG-350CA	05710	BA	2	10	90	A
20.56	PLG-400C	44845	BA	1	5	304	A
21.66	PLG-400CA	05711	BA	1	5	113	A
44.50	PLG-500C	44850	BA	1	5	486	A
61.23	PLG-600C	44855	BA	1	5	730	A
9.48	PMX-0404	44900	LA	50	250	11	-
10.66	PMX-2104	44902	LA	50	250	14	-
11.58	PMX-2121	44904	LA	25	125	14	-
11.45	PMX-2404	44906	LA	25	125	16	-
11.68	PMX-2421	44908	LA	10	50	17	-
12.48	PMX-2424	44910	LA	10	50	19	-
11.58	PMX-2504	44912	LA	50	250	16	-
22.56	PMX-3504	44914	LA	25	125	43	-
24.42	PMX-3521	44916	LA	20	100	44	-
28.83	PMX-3524	44918	LA	20	100	46	-
30.09	PMX-3535	44920	LA	20	100	50	-
31.36	PMX-5004	44922	LA	10	50	63	-
31.36	PMX-5021	44924	LA	10	50	64	-
33.84	PMX-5024	44926	LA	10	50	66	-
36.54	PMX-5035	44928	LA	10	50	67	-
39.74	PMX-5050	44930	LA	10	50	73	-
47.80	PMX-7521	44032	LA	10	50	93	-
50.12	PMX-7524	44934	LA	10	50	95	-
57.60	PMX-7535	44936	LA	10	50	99	-
57.60	PMX-7550	44938	LA	10	50	110	-
60.56	PMX-7575	44940	LA	10	50	110	-
60.72	PMX-9224	44942	LA	10	50	130	-
65.73	PMX-9235	44944	LA	10	50	130	-
68.56	PMX-9250	44946	LA	-	1	140	-
84.11	PMX-9275	44948	LA	10	50	140	-
88.29	PMX-9292	44950	LA	10	50	140	-

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16.36	PMXC-0404	45000	LA	50	250	3	-
16.67	PMXC-2104	45002	LA	25	100	5	-
17.15	PMXC-2121	45004	LA	25	100	5	-
17.54	PMXC-2404	45006	LA	25	100	5	-
17.85	PMXC-2421	45008	LA	25	100	5	-
18.82	PMXC-2424	45010	LA	25	125	5	-
17.38	PMXC-2504	45012	LA	-	25	5	-
21.82	PMXC-3504	45014	LA	-	1	15	-
21.82	PMXC-3521	45016	LA	-	1	15	-
25.59	PMXC-3524	45018	LA	-	1	17	-
25.59	PMXC-3535	45020	LA	-	1	17	-
25.59	PMXC-5004	45022	LA	-	1	17	-
25.59	PMXC-5021	45024	LA	-	1	17	-
25.59	PMXC-5024	45026	LA	-	1	17	-
29.75	PMXC-5035	45028	LA	-	1	12	-
29.75	PMXC-5050	45030	LA	-	1	22	-
29.75	PMXC-7521	45032	LA	-	1	22	-
29.75	PMXC-7524	45034	LA	-	1	22	-
34.77	PMXC-7535	45036	LA	-	1	33	-
34.77	PMXC-7550	45038	LA	-	1	33	-
34.77	PMXC-7575	45040	LA	-	1	33	-
34.77	PMXC-9224	45042	LA	-	1	33	-
34.77	PMXC-9235	45044	LA	-	1	33	-
34.77	PMXC-9250	45046	LA	-	1	33	-
34.77	PMXC-9275	45048	LA	-	1	33	-
48.61	PMXC-9292	45050	LA	-	1	33	-
82.21	P01	02133	V	-	1	-	-
95.12	P02	02134	V	-	1	-	-
0.23	• PPC-50	45150	DB	100	1000	3	A
0.23	• PPC-75	45151	DB	100	1000	4	A
0.30	• PPC-100	45152	DB	50	500	7	A
0.52	• PPC-125	45153	DB	50	200	9	B
1.10	• PPC-150	45154	DB	25	100	14	B
1.42	• PPC-200	45155	DB	25	100	22	B
3.75	• PPC-250	45156	DB	-	100	28	C
4.14	• PPC-300	45157	DB	-	100	34	C
5.26	• PPC-350	45158	DB	-	50	40	C
6.54	• PPC-400	45159	DB	-	50	52	C
220.74	PP111A	02135	V	-	1	-	-
237.33	PP111AB	02136	V	-	1	-	-
270.27	PP111ABCD	02137	V	-	1	-	-
237.33	PP111AD	02138	V	-	1	-	-
220.74	PP111C	02139	V	-	1	-	-
237.33	PP111CD	02140	V	-	1	-	-
231.66	PP112A	02141	V	-	1	-	-
246.42	PP112AB	02142	V	-	1	-	-
278.21	PP112ABCD	02143	V	-	1	-	-
246.42	PP112AD	02144	V	-	1	-	-
231.66	PP112C	02145	V	-	1	-	-
246.42	PP112CD	02146	V	-	1	-	-
220.74	PP121A	02147	V	-	1	-	-
237.33	PP121AB	02148	V	-	1	-	-
270.27	PP121ABCD	02149	V	-	1	-	-
237.33	PP121AC	05738	V	-	1	-	-
237.33	PP121AD	02150	V	-	1	-	-
220.74	PP121C	02151	V	-	1	-	-
254.37	PP121CCD	00000	V	-	1	-	-
237.33	PP121CD	02152	V	-	1	-	-
231.66	PP122A	02153	V	-	1	-	-
246.42	PP122AB	02154	V	-	1	-	-
278.21	PP122ABCD	02155	V	-	1	-	-
246.42	PP122AD	02156	V	-	1	-	-
231.66	PP122C	02157	V	-	1	-	-

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261.19	PP122CCD	00000	V	-	1	-	-
278.21	PP122CCDD	00000	V	-	1	-	-
246.42	PP122CD	02158	V	-	1	-	-
278.21	PP122CDCD	00000	V	-	1	-	-
220.74	PP131A	02159	V	-	1	-	-
237.33	PP131AB	02160	V	-	1	-	-
270.27	PP131ABCD	02161	V	-	1	-	-
237.33	PP131AD	02162	V	-	1	-	-
231.66	PP131C	02163	V	-	1	-	-
237.33	PP131CD	02164	V	-	1	-	-
231.66	PP132A	02165	V	-	1	-	-
246.42	PP132AB	02166	V	-	1	-	-
278.21	PP132ABCD	02167	V	-	1	-	-
246.42	PP132AD	02168	V	-	1	-	-
231.66	PP132C	02169	V	-	1	-	-
246.42	PP132CD	02170	V	-	1	-	-
245.28	PP211A	02171	V	-	1	-	-
261.19	PP211AB	02172	V	-	1	-	-
294.12	PP211ABCD	02173	V	-	1	-	-
261.19	PP211AD	02174	V	-	1	-	-
245.28	PP211C	02175	V	-	1	-	-
261.19	PP211CD	02176	V	-	1	-	-
252.10	PP212A	02177	V	-	1	-	-
266.86	PP212AB	02178	V	-	1	-	-
303.20	PP212ABCD	02179	V	-	1	-	-
266.86	PP212AD	02180	V	-	1	-	-
252.10	PP212C	02181	V	-	1	-	-
266.86	PP212CD	02182	V	-	1	-	-
245.28	PP221A	02183	V	-	1	-	-
261.19	PP221AB	02184	V	-	1	-	-
294.12	PP221ABCD	02185	V	-	1	-	-
261.19	PP221AD	02186	V	-	1	-	-
252.10	PP221C	02187	V	-	1	-	-
266.86	PP221CD	02188	V	-	1	-	-
233.93	PP222	00000	V	-	1	-	-
252.10	PP222A	02189	V	-	1	-	-
266.86	PP222AB	02190	V	-	1	-	-
303.20	PP222ABCD	02191	V	-	1	-	-
266.86	PP222AD	02192	V	-	1	-	-
252.10	PP222C	02193	V	-	1	-	-
266.86	PP222CD	02194	V	-	1	-	-
245.28	PP231A	02195	V	-	1	-	-
261.19	PP231AB	02196	V	-	1	-	-
294.12	PP231ABCD	02197	V	-	1	-	-
261.19	PP231AD	02198	V	-	1	-	-
245.28	PP231C	02199	V	-	1	-	-
261.19	PP231CD	02200	V	-	1	-	-
252.10	PP232A	02201	V	-	1	-	-
266.86	PP232AB	02202	V	-	1	-	-
303.20	PP232ABCD	02203	V	-	1	-	-
266.86	PP232AD	02204	V	-	1	-	-
252.10	PP232C	02205	V	-	1	-	-
266.86	PP232CD	02206	V	-	1	-	-
34.76	PTFS-138-000A	45305	JA	10	50	39	A
67.89	PTFS-138-000B	45306	JA	10	50	71	A
41.10	PTFS-138-075	45310	JA	1	25	44	A
92.86	PTFS-138U	45300	JA	1	50	21	A
12.35	QG-01	45400	MA	25	100	25	-
19.25	QG-21	45402	MA	20	100	38	-
24.44	QG-24	45404	MA	10	50	75	-
24.44	QG-30	45406	MA	-	1	100	-
28.78	R-1501-BO	02207	QA	-	1	-	-
73.45	R-1501-1	02208	QA	-	1	130	-

EGS O-Z/GEDNEY

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83.71	R-1501-2	02209	QA	-	1	130	-
58.48	R-2001-BO	02210	QA	-	1	-	-
99.61	R-2001-1	02211	QA	-	1	160	-
109.57	R-2001-2	02212	QA	-	1	160	-
56.97	R-2501-BO	02213	QA	-	1	-	-
111.61	R-2501-1	02214	QA	-	1	250	-
122.97	R-2501-2	02215	QA	-	1	250	-
74.88	R-3001-BO	02216	QA	-	1	-	-
141.17	R-3001-1	02217	QA	-	1	380	-
153.17	R-3001-2	02218	QA	-	1	380	-
105.05	R-3501-BO	02219	QA	-	1	-	-
181.99	R-3501-1	02220	QA	-	1	510	-
194.30	R-3501-2	02221	QA	-	1	510	-
119.16	R-4001-BO	02222	QA	-	1	-	-
221.94	R-4001-1	02223	QA	-	1	650	-
233.88	R-4001-2	02224	QA	-	1	650	-
233.17	R-5001-BO	02225	QA	-	1	-	-
386.72	R-5001-1	02226	QA	-	1	1300	-
399.53	R-5001-2	02227	QA	-	1	1300	-
406.73	R-6001-BO	02228	QA	-	1	-	-
625.70	R-6001-1	02229	QA	-	1	1800	-
638.50	R-6001-2	02230	QA	-	1	1800	-
4.79	RB-50	45500	DA	100	500	1	A
7.67	RB-75	45501	DA	50	500	2	A
11.10	RB-100	45502	DA	50	250	4	A
14.32	RB-125	45503	DA	50	200	6	B
16.49	RB-150	45504	DA	25	100	7	B
21.86	RB-200	45505	DA	10	50	11	B
31.82	RB-250	45506	DA	5	25	19	C
34.42	RB-300	45507	DA	5	25	30	C
1.41	RB-320S	46700	BA	100	500	2	A
1.55	RB-321A	05715	BA	100	500	3	A
0.88	RB-321C	46702	BA	100	500	3	A
1.24	RB-321S	46705	BA	100	500	4	A
1.56	RB-322A	05720	BA	50	200	8	A
1.24	RB-322S	46710	BA	50	200	10	A
1.56	RB-323A	05721	BA	50	200	9	A
1.24	RB-323S	46715	BA	50	200	12	A
3.07	RB-324A	05723	BA	25	100	20	A
2.64	RB-324S	46720	BA	25	100	30	A
3.06	RB-325A	05725	BA	25	100	16	A
2.62	RB-325S	46725	BA	25	100	24	A
3.06	RB-326A	05726	BA	25	100	10	A
2.62	RB-326S	46730	BA	25	100	15	A
5.11	RB-327A	05727	BA	10	50	9	A
3.27	RB-327S	46735	BA	10	50	13	A
5.11	RB-328A	05728	BA	10	50	20	A
3.27	RB-328S	46740	BA	10	50	29	A
5.11	RB-329A	05729	BA	10	50	25	A
3.27	RB-329S	46745	BA	10	50	37	A
5.11	RB-330A	05730	BA	10	50	29	A
3.29	RB-330S	46750	BA	10	50	43	A
6.84	RB-331A	05801	BA	10	50	17	A
7.26	RB-331	46755	BA	10	50	36	A
6.84	RB-332A	05803	BA	10	50	25	A
7.26	RB-332	46760	BA	10	50	51	A
6.84	RB-333A	05802	BA	10	50	34	A
7.26	RB-333	46765	BA	10	50	70	A
6.84	RB-334A	05804	BA	10	50	38	A
7.26	RB-334	46770	BA	10	50	79	A
6.84	RB-335A	05805	BA	10	50	42	A
7.33	RB-335	46775	BA	10	50	87	A
10.57	RB-336A	05806	BA	5	25	34	A
9.21	RB-336	46777	BA	5	25	73	A
10.57	RB-337A	05807	BA	5	25	45	A
9.34	RB-337	46779	BA	5	25	113	A
10.57	RB-339A	05808	BA	5	25	56	A
9.34	RB-339	46781	BA	5	25	152	A
13.49	RB-340A	05809	BA	5	25	115	A
11.98	RB-340	46783	BA	5	25	257	A
13.49	RB-341A	05810	BA	5	25	94	A
11.82	RB-341	46785	BA	5	25	205	A
13.49	RB-342A	05811	BA	5	25	71	A
11.93	RB-342	46787	BA	5	25	145	A
23.45	RB-349A	05812	BA	5	25	81	A
20.73	RB-349	46789	BA	5	25	165	A
23.45	RB-350A	05813	BA	5	25	128	A
20.84	RB-350	46791	BA	5	25	278	A
57.35	RB-350B	13781	DA	5	25	50	C
26.18	RB-351A	05814	BA	2	10	156	A
23.15	RB-351	46792	BA	2	10	363	A
26.18	RB-355A	05815	BA	2	10	191	A
23.27	RB-355	46793	BA	2	10	425	A
26.18	RB-356A	05816	BA	2	10	156	A
22.94	RB-356	46795	BA	2	10	288	A
26.18	RB-357A	05817	BA	2	10	96	A
23.27	RB-357	46797	BA	2	10	213	A
63.86	RB-400	45509	DA	5	25	65	C
123.09	RB-500	45511	DA	-	5	86	C
179.06	RB-600	45512	DA	2	10	110	C
16.55	RBLG-0504	46825	DA	50	500	6	A
19.15	RBLG-0522	46826	DA	50	500	9	A
20.53	RBLG-0704	46827	DA	50	500	10	A
23.41	RBLG-0722	46828	DA	50	250	13	A
24.57	RBLG-1104	46829	DA	25	250	14	A
28.06	RBLG-1122	46830	DA	25	250	17	A
25.67	RBLG-1204	46831	DA	25	100	18	B
32.06	RBLG-1222	46832	DA	25	100	21	B
27.58	RBLG-1504	46834	DA	25	100	22	B
34.05	RBLG-1522	46835	DA	25	100	36	B
31.36	RBLG-2004	46837	DA	10	50	25	B
37.65	RBLG-2022	46838	DA	10	50	39	B
42.26	RBLG-2604	46840	DA	5	25	55	C
46.07	RBLG-2622	46841	DA	5	25	59	C
55.77	RBLG-2624	46842	DA	5	25	71	C
98.71	RBLG-3650	46862	DA	5	25	11	C
43.78	RBLG-3104	46843	DA	5	25	90	C
46.98	RBLG-3122	46844	DA	5	25	94	C
53.36	RBLG-3124	46845	DA	5	25	106	C
95.16	RBLG-3150	46864	DA	5	25	14.8	C
51.63	RBLG-3604	46846	DA	5	25	112	C
52.31	RBLG-3622	46847	DA	5	25	122	C
62.46	RBLG-3624	46848	DA	5	25	132	C
114.52	RBLG-3650	46866	DA	5	25	17	C
62.82	RBLG-4104	46849	DA	5	25	152	C
69.27	RBLG-4122	46850	DA	5	25	152	C
73.17	RBLG-4124	46851	DA	5	25	162	C
126.46	RBLG-4150	46868	DA	5	25	21	C
125.64	RBLG-5104	46855	DA	-	5	270	C
126.67	RBLG-5122	46856	DA	-	5	270	C
131.20	RBLG-5124	46857	DA	-	5	280	C
187.31	RBLG-5150	46870	DA	-	5	328	C
183.38	RBLG-6104	46858	DA	2	10	350	C
193.38	RBLG-6122	46859	DA	2	10	350	C
199.11	RBLG-6124	46860	DA	2	10	370	C
252.88	RBLG-6150	46872	DA	-	5	408	C

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EGS O-Z/GEDNEY

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84.01	RB6	02231	V	-	1	-	-
6.21	REC-0705S	47000	BA	10	50	25	A
7.65	REC-1005S	47001	BA	10	50	46	A
9.11	REC-1007S	47002	BA	10	50	35	A
12.78	REC-1207	47003	BA	10	50	94	A
12.78	REC-1210	47004	BA	10	50	94	A
18.00	REC-1507	47005	BA	1	5	124	A
12.73	REC-1510	47006	BA	5	25	113	A
24.18	REC-1512	47007	BA	5	25	113	A
18.68	REC-2007	47008	BA	2	10	119	A
17.32	REC-2010	47009	BA	2	10	150	A
19.62	REC-2012	47010	BA	2	10	163	A
24.52	REC-2015	47011	BA	2	10	2130	A
26.57	REC-2515	47012	BA	2	10	275	B
29.97	REC-3020	47013	BA	1	5	325	B
54.38	REC-4030	47014	BA	1	5	534	B
91.71	REC-5040	47015	BA	-	1	1088	B
27.39	RG-07	46900	MA	20	100	31	-
27.46	RG-11	46902	MA	10	50	50	-
29.67	RG-12	46904	MA	10	50	63	-
32.79	RG-15	46906	MA	10	50	69	-
36.09	RG-20	46908	MA	10	50	81	-
52.58	RG-26	46910	MA	5	25	100	-
58.47	RG-31	46912	MA	5	25	110	-
64.08	RG-36	46914	MA	5	25	130	-
73.56	RG-41	46916	MA	5	25	150	-
97.36	RG-51	46918	MA	-	10	200	-
117.75	RG-61	46920	MA	-	10	250	-
90.21	RO250C	02233	V	-	1	-	-
44.65	RPLG-1501-1	02234	QA	-	1	-	-
54.94	RPLG-1501-2	02235	QA	-	1	-	-
49.11	RPLG-2001-1	02236	QA	-	1	-	-
59.98	RPLG-2001-2	02237	QA	-	1	-	-
54.63	RPLG-2501-1	02238	QA	-	1	-	-
65.97	RPLG-2501-2	02239	QA	-	1	-	-
66.27	RPLG-3001-1	02240	QA	-	1	-	-
78.28	RPLG-3001-2	02241	QA	-	1	-	-
76.94	RPLG-3501-1	02242	QA	-	1	-	-
89.26	RPLG-3501-2	02243	QA	-	1	-	-
102.75	RPLG-4001-1	02244	QA	-	1	-	-
114.72	RPLG-4001-2	02245	QA	-	1	-	-
153.56	RPLG-5001-1	02246	QA	-	1	-	-
166.35	RPLG-5001-2	02247	QA	-	1	-	-
218.96	RPLG-6001-1	02248	QA	-	1	-	-
231.77	RPLG-6001-2	02249	QA	-	1	-	-
0.13	• RW-2S	47580	DB	250	2500	1	A
0.28	• RW-3S	47585	DB	250	2500	2	A
0.28	• RW-4S	47590	DB	250	2500	2	A
0.42	• RW-5S	47595	DB	100	1000	3	B
0.42	• RW-6S	47600	DB	100	1000	3	B
0.42	• RW-7S	47605	DB	100	1000	3	B
0.58	• RW-8S	47610	DB	100	1000	4	B
0.58	• RW-9S	47615	DB	100	1000	4	B
0.58	• RW-10S	47620	DB	100	1000	5	B
0.58	• RW-11S	47625	DB	100	1000	4	B
0.78	• RW-12S	47630	DB	50	500	9	B
0.78	• RW-13S	47635	DB	50	500	7	B
0.64	• RW-14S	47640	DB	50	500	7	B
0.64	• RW-15S	47645	DB	50	500	7	B
0.64	• RW-16S	47650	DB	50	500	6	B
1.07	• RW-17S	47655	DB	25	250	10	C
1.07	• RW-18S	47660	DB	25	250	9	C
1.07	• RW-19S	47665	DB	25	250	9	C
1.07	• RW-20S	47670	DB	25	250	8	C
1.07	• RW-21S	47675	DB	25	250	7	C
1.07	• RW-22S	47680	DB	25	250	5	C
1.37	• RW-25S	47695	DB	25	250	25	C
1.37	• RW-26S	47700	DB	25	250	22	C
1.37	• RW-27S	47705	DB	25	250	21	C
1.37	• RW-28S	47710	DB	25	250	18	C
1.37	• RW-29S	47715	DB	25	250	17	C
6.34	• RW-34S	47740	DB	10	100	28	C
6.34	• RW-35S	47745	DB	10	100	26	C
6.34	• RW-36S	47750	DB	10	100	23	C
6.34	• RW-37S	47755	DB	10	100	17	C
10.14	• RW-43S	47785	DB	10	100	32	C
10.14	• RW-44S	47790	DB	-	10	28	C
10.14	• RW-45S	47795	DB	10	100	23	C
10.14	• RW-46S	47800	DB	10	100	19	C
15.91	SB2N	13634	W	-	1	30	-
38.27	SB3N	13635	W	-	1	70	-
38.27	SB5N	13636	W	-	1	90	-
94.11	SCACB1	00000	V	-	1	-	-
94.11	SCACB1G	00000	V	-	1	-	-
161.27	SCACB1L1	00000	V	-	1	-	-
161.27	SCACB1L1G	00000	V	-	1	-	-
94.11	SCACB1N17	00000	V	-	1	-	-
164.25	SCACB2	00000	V	-	1	-	-
164.25	SCACB2G	00000	V	-	1	-	-
238.52	SCACB2L1	00000	V	-	1	-	-
238.52	SCACB2L1G	00000	V	-	1	-	-
238.52	SCACB2L1P3P4	00000	V	-	1	-	-
238.52	SCACB2L1P3P4G	00000	V	-	1	-	-
164.25	SCACB2N1N2	00000	V	-	1	-	-
164.25	SCACB2P3P4	00000	V	-	1	-	-
238.52	SCACB2P3P4G	00000	V	-	1	-	-
233.93	SCACB3	00000	V	-	1	-	-
233.93	SCACB3G	00000	V	-	1	-	-
363.20	SCACB4	00000	V	-	1	-	-
363.20	SCACB4G	00000	V	-	1	-	-
91.12	SCACL1	00000	V	-	1	-	-
91.12	SCACL1G	00000	V	-	1	-	-
158.39	SCACL2	00000	V	-	1	-	-
158.39	SCACL2G	00000	V	-	1	-	-
113.94	SCACR1	00000	V	-	1	-	-
113.94	SCACR1G	00000	V	-	1	-	-
113.94	SCACR1RK6	00000	V	-	1	-	-
154.27	SCACR2	00000	V	-	1	-	-
154.27	SCACR2G	00000	V	-	1	-	-
154.27	SCACR2RK1	00000	V	-	1	-	-
154.27	SCACR2RK1G	00000	V	-	1	-	-
194.65	SCACR3	00000	V	-	1	-	-
194.65	SCACR3G	00000	V	-	1	-	-
235.07	SCACR4	00000	V	-	1	-	-
235.07	SCACR4G	00000	V	-	1	-	-
122.59	SCACS1M2XRM10	00000	V	-	1	-	-
122.59	SCACS1M2XRM9	00000	V	-	1	-	-
122.59	SCACS1M2XRM9G	00000	V	-	1	-	-
127.68	SCACS1M3XRM15	00000	V	-	1	-	-
127.68	SCACS1M3XRM5G	00000	V	-	1	-	-
121.87	SCAD12B1	08133	V	-	1	-	-
121.87	SCAD12B1G	08267	V	-	1	-	-
189.57	SCAD12B1L1	08134	V	-	1	-	-
189.57	SCAD12B1L1G	00000	V	-	1	-	-
192.29	SCAD12B2	00000	V	-	1	-	-
192.29	SCAD12B2G	00000	V	-	1	-	-

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258.91	SCAD12B2L1	00000	V	-	1	-	-
258.91	SCAD12B2L1G	00000	V	-	1	-	-
258.91	SCAD12B2L1P3P4	00000	V	-	1	-	-
258.91	SCAD12B2L1P3P4G	00000	V	-	1	-	-
192.29	SCAD12B2P3P4	00000	V	-	1	-	-
192.29	SCAD12B2P3P4G	00000	V	-	1	-	-
261.19	SCAD12B3	00000	V	-	1	-	-
261.19	SCAD12B3G	00000	V	-	1	-	-
331.59	SCAD12B4	00000	V	-	1	-	-
331.59	SCAD12B4G	00000	V	-	1	-	-
119.17	SCAD12L1	00000	V	-	1	-	-
119.17	SCAD12L1G	00000	V	-	1	-	-
182.81	SCAD12L2	00000	V	-	1	-	-
182.81	SCAD12L2G	00000	V	-	1	-	-
140.83	SCAD12R1	00000	V	-	1	-	-
140.83	SCAD12R1G	00000	V	-	1	-	-
173.32	SCAD12R2	00000	V	-	1	-	-
173.32	SCAD12R2G	00000	V	-	1	-	-
173.32	SCAD12R2RK1	00000	V	-	1	-	-
173.32	SCAD12R2RK1G	00000	V	-	1	-	-
150.31	SCAD12S1M2XRM9	00000	V	-	1	-	-
150.31	SCAD12S1M2XRM9G	00000	V	-	1	-	-
157.09	SCAD12S1M3XRM5	00000	V	-	1	-	-
157.09	SCAD12S1M3XRM5G	00000	V	-	1	-	-
123.24	SCAD13B1	00000	V	-	1	-	-
123.24	SCAD13B1G	00000	V	-	1	-	-
190.95	SCAD13B1L1	00000	V	-	1	-	-
190.95	SCAD13B1L1G	00000	V	-	1	-	-
193.64	SCAD13B2	00000	V	-	1	-	-
193.64	SCAD13B2G	00000	V	-	1	-	-
260.04	SCAD13B2L1	00000	V	-	1	-	-
260.04	SCAD13B2L1G	00000	V	-	1	-	-
260.04	SCAD13B2L1P3P4	00000	V	-	1	-	-
260.04	SCAD13B2L1P3P4G	00000	V	-	1	-	-
193.64	SCAD13B2P3P4	00000	V	-	1	-	-
193.64	SCAD13B2P3P4G	00000	V	-	1	-	-
263.45	SCAD13B3	00000	V	-	1	-	-
263.45	SCAD13B3G	00000	V	-	1	-	-
332.72	SCAD13B4	00000	V	-	1	-	-
332.72	SCAD13B4G	00000	V	-	1	-	-
120.51	SCAD13L1	00000	V	-	1	-	-
120.51	SCAD13L1G	00000	V	-	1	-	-
184.16	SCAD13L2	00000	V	-	1	-	-
184.16	SCAD13L2G	00000	V	-	1	-	-
142.18	SCAD13R1	00000	V	-	1	-	-
142.18	SCAD13R1G	00000	V	-	1	-	-
174.70	SCAD13R2	00000	V	-	1	-	-
174.70	SCAD13R2G	00000	V	-	1	-	-
174.70	SCAD13R2RK1	00000	V	-	1	-	-
174.70	SCAD13R2RK1G	00000	V	-	1	-	-
157.08	SCAD13S1M2XRM9	00000	V	-	1	-	-
157.08	SCAD13S1M2XRM9G	00000	V	-	1	-	-
157.08	SCAD13S1M3XRM5	00000	V	-	1	-	-
157.08	SCAD13S1M3XRM5G	00000	V	-	1	-	-
237.33	SCAD22B1B1	00000	V	-	1	-	-
237.33	SCAD22B1B1G	00000	V	-	1	-	-
371.34	SCAD22B1L1B1L1	00000	V	-	1	-	-
371.34	SCAD22B1L1B1L1G	00000	V	-	1	-	-
378.14	SCAD22B2B2	00000	V	-	1	-	-
378.14	SCAD22B2B2G	00000	V	-	1	-	-
511.01	SCAD22B2L1B2L1	00000	V	-	1	-	-
511.01	SCAD22B2L1B2L1G	00000	V	-	1	-	-
515.56	SCAD22B3B3	00000	V	-	1	-	-
515.56	SCAD22B3B3G	00000	V	-	1	-	-
658.63	SCAD22B4B4	00000	V	-	1	-	-
658.63	SCAD22B4B4G	00000	V	-	1	-	-
226.15	SCAD22L1L1	00000	V	-	1	-	-
226.15	SCAD22L1L1G	00000	V	-	1	-	-
359.97	SCAD22L2L2	00000	V	-	1	-	-
359.97	SCAD22L2L2G	00000	V	-	1	-	-
286.16	SCAD22R1R1	00000	V	-	1	-	-
286.16	SCAD22R1R1G	00000	V	-	1	-	-
319.09	SCAD22R2R2	00000	V	-	1	-	-
319.09	SCAD22R2R2G	00000	V	-	1	-	-
238.48	SCAD23B1B1	00000	V	-	1	-	-
238.48	SCAD23B1B1G	00000	V	-	1	-	-
372.47	SCAD23B1L1B1L1	00000	V	-	1	-	-
372.47	SCAD23B1L1B1L1G	00000	V	-	1	-	-
379.29	SCAD23B2B2	00000	V	-	1	-	-
379.29	SCAD23B2B2G	00000	V	-	1	-	-
514.41	SCAD23B2L1B2L1	00000	V	-	1	-	-
514.41	SCAD23B2L1B2L1G	00000	V	-	1	-	-
516.69	SCAD23B3B3	00000	V	-	1	-	-
516.69	SCAD23B3B3G	00000	V	-	1	-	-
659.77	SCAD23B4B4	00000	V	-	1	-	-
659.77	SCAD23B4B4G	00000	V	-	1	-	-
227.12	SCAD23L1L1	00000	V	-	1	-	-
227.12	SCAD23L1L1G	00000	V	-	1	-	-
361.12	SCAD23L2L2	00000	V	-	1	-	-
361.12	SCAD23L2L2G	00000	V	-	1	-	-
288.44	SCAD23R1R1	00000	V	-	1	-	-
288.44	SCAD23R1R1G	00000	V	-	1	-	-
320.24	SCAD23R2R2	00000	V	-	1	-	-
320.24	SCAD23R2R2G	00000	V	-	1	-	-
241.87	SCAD32B1B1	00000	V	-	1	-	-
241.87	SCAD32B1B1G	00000	V	-	1	-	-
377.01	SCAD32B1L1B1L1	00000	V	-	1	-	-
377.01	SCAD32B1L1B1L1G	00000	V	-	1	-	-
382.69	SCAD32B2B2	00000	V	-	1	-	-
382.69	SCAD32B2B2G	00000	V	-	1	-	-
517.82	SCAD32B2L1B2L1	00000	V	-	1	-	-
517.82	SCAD32B2L1B2L1G	00000	V	-	1	-	-
520.10	SCAD32B3B3	00000	V	-	1	-	-
520.10	SCAD32B3B3G	00000	V	-	1	-	-
664.31	SCAD32B4B4	00000	V	-	1	-	-
664.31	SCAD32B4B4G	00000	V	-	1	-	-
231.66	SCAD32L1L1	00000	V	-	1	-	-
231.66	SCAD32L1L1G	00000	V	-	1	-	-
361.12	SCAD32L2L2	00000	V	-	1	-	-
361.12	SCAD32L2L2G	00000	V	-	1	-	-
292.98	SCAD32R1R1	00000	V	-	1	-	-
292.98	SCAD32R1R1G	00000	V	-	1	-	-
325.91	SCAD32R2R2	00000	V	-	1	-	-
325.91	SCAD32R2R2G	00000	V	-	1	-	-
243.82	SCAD33B1B1	00000	V	-	1	-	-
243.82	SCAD33B1B1G	00000	V	-	1	-	-
378.14	SCAD33B1L1B1L1	00000	V	-	1	-	-
378.14	SCAD33B1L1B1L1G	00000	V	-	1	-	-
383.83	SCAD33B2B2	00000	V	-	1	-	-
383.83	SCAD33B2B2G	00000	V	-	1	-	-
518.96	SCAD33B2L1B2L1	00000	V	-	1	-	-
518.96	SCAD33B2L1B2L1G	00000	V	-	1	-	-
521.23	SCAD33B3B3G	00000	V	-	1	-	-
665.45	SCAD33B4B4	00000	V	-	1	-	-
665.45	SCAD33B4B4G	00000	V	-	1	-	-
232.79	SCAD33L1L1	00000	V	-	1	-	-

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232.79	SCAD33L1L1G	00000	V	-	1	-	-
363.38	SCAD33L2L2	00000	V	-	1	-	-
363.38	SCAD33L2L2G	00000	V	-	1	-	-
294.12	SCAD33R1R1	00000	V	-	1	-	-
294.12	SCAD33R1R1G	00000	V	-	1	-	-
327.05	SCAD33R2R2	00000	V	-	1	-	-
327.05	SCAD33R2R2G	00000	V	-	1	-	-
124.59	SCAF12B1	00000	V	-	1	-	-
124.59	SCAF12B1G	00000	V	-	1	-	-
190.95	SCAF12B1L1	00000	V	-	1	-	-
190.95	SCAF12B1L1G	00000	V	-	1	-	-
193.64	SCAF12B2	00000	V	-	1	-	-
193.64	SCAF12B2G	00000	V	-	1	-	-
260.04	SCAF12B2L1	00000	V	-	1	-	-
260.04	SCAF12B2L1G	00000	V	-	1	-	-
260.04	SCAF12B2L1P3P4	00000	V	-	1	-	-
260.04	SCAF12B2L1P3P4G	00000	V	-	1	-	-
193.64	SCAF12B2P3P4	00000	V	-	1	-	-
193.64	SCAF12B2P3P4G	00000	V	-	1	-	-
263.45	SCAF12B3	00000	V	-	1	-	-
263.45	SCAF12B3G	00000	V	-	1	-	-
332.72	SCAF12B4	00000	V	-	1	-	-
332.72	SCAF12B4G	00000	V	-	1	-	-
120.51	SCAF12L1	00000	V	-	1	-	-
120.51	SCAF12L1G	00000	V	-	1	-	-
184.16	SCAF12L2	00000	V	-	1	-	-
184.16	SCAF12L2G	00000	V	-	1	-	-
142.18	SCAF12R1	00000	V	-	1	-	-
142.18	SCAF12R1G	00000	V	-	1	-	-
174.70	SCAF12R2	00000	V	-	1	-	-
174.70	SCAF12R2G	00000	V	-	1	-	-
174.70	SCAF12R2RK1	00000	V	-	1	-	-
174.70	SCAF12R2RK1G	00000	V	-	1	-	-
157.09	SCAF12S1M2XRM9	00000	V	-	1	-	-
153.02	SCAF12S1M2XRM9G	00000	V	-	1	-	-
153.02	SCAF12S1M2XRN1	00000	V	-	1	-	-
151.67	SCAF12S1M3XRM5	00000	V	-	1	-	-
151.67	SCAF12S1M3XRM5G	00000	V	-	1	-	-
151.67	SCAF12S1M3XRN2	00000	V	-	1	-	-
125.98	SCAF13B1	00000	V	-	1	-	-
125.98	SCAF13B1G	00000	V	-	1	-	-
192.29	SCAF13B1L1	00000	V	-	1	-	-
192.29	SCAF13B1L1G	00000	V	-	1	-	-
195.01	SCAF13B2	00000	V	-	1	-	-
195.01	SCAF13B2G	00000	V	-	1	-	-
261.19	SCAF13B2L1	00000	V	-	1	-	-
261.19	SCAF13B2L1G	00000	V	-	1	-	-
261.19	SCAF13B2L1P3P4	00000	V	-	1	-	-
261.19	SCAF13B2L1P3P4G	00000	V	-	1	-	-
195.01	SCAF13B2P3P4	00000	V	-	1	-	-
195.01	SCAF13B2P3P4G	00000	V	-	1	-	-
264.59	SCAF13B3G	00000	V	-	1	-	-
333.86	SCAF13B4	00000	V	-	1	-	-
333.86	SCAF13B4G	00000	V	-	1	-	-
121.87	SCAF13L1	00000	V	-	1	-	-
121.87	SCAF13L1G	00000	V	-	1	-	-
185.52	SCAF13L2	00000	V	-	1	-	-
185.52	SCAF13L2G	00000	V	-	1	-	-
143.54	SCAF13R1	00000	V	-	1	-	-
143.54	SCAF13R1G	00000	V	-	1	-	-
176.04	SCAF13R2	00000	V	-	1	-	-
176.04	SCAF13R2RK1	00000	V	-	1	-	-
176.04	SCAF13R2RK1G	00000	V	-	1	-	-

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154.66	SCAF13S1M2XRM9	00000	V	-	1	-	-
154.66	SCAF13S1M2XRM9G	00000	V	-	1	-	-
159.96	SCAF13S1M3XRM5	00000	V	-	1	-	-
159.96	SCAF13S1M3XRM5G	00000	V	-	1	-	-
238.48	SCAF22B1B1	00000	V	-	1	-	-
238.48	SCAF22B1B1G	00000	V	-	1	-	-
372.47	SCAF22B1L1B1L1	00000	V	-	1	-	-
372.47	SCAF22B1L1B1L1G	00000	V	-	1	-	-
379.29	SCAF22B2B2	00000	V	-	1	-	-
379.29	SCAF22B2B2G	00000	V	-	1	-	-
514.41	SCAF22B2L1B2L1	00000	V	-	1	-	-
514.41	SCAF22B2L1B2L1G	00000	V	-	1	-	-
516.69	SCAF22B3B3	00000	V	-	1	-	-
516.69	SCAF22B3B3G	00000	V	-	1	-	-
659.77	SCAF22B4B4	00000	V	-	1	-	-
659.77	SCAF22B4B4G	00000	V	-	1	-	-
227.12	SCAF22L1L1	00000	V	-	1	-	-
227.12	SCAF22L1L1G	00000	V	-	1	-	-
361.12	SCAF22L2L2	00000	V	-	1	-	-
361.12	SCAF22L2L2G	00000	V	-	1	-	-
268.44	SCAF22R1R1	00000	V	-	1	-	-
268.44	SCAF22R1R1G	00000	V	-	1	-	-
320.24	SCAF22R2R2	00000	V	-	1	-	-
320.24	SCAF22R2R2G	00000	V	-	1	-	-
239.61	SCAF23B1B1	00000	V	-	1	-	-
239.61	SCAF23B1B1G	00000	V	-	1	-	-
374.74	SCAF23B1L1B1L1	00000	V	-	1	-	-
374.74	SCAF23B1L1B1L1G	00000	V	-	1	-	-
380.42	SCAF23B2B2	00000	V	-	1	-	-
380.42	SCAF23B2B2G	00000	V	-	1	-	-
515.56	SCAF23B2L1B2L1	00000	V	-	1	-	-
515.56	SCAF23B2L1B2L1G	00000	V	-	1	-	-
517.82	SCAF23B3B3	00000	V	-	1	-	-
517.82	SCAF23B3B3G	00000	V	-	1	-	-
660.91	SCAF23B4B4	00000	V	-	1	-	-
660.91	SCAF23B4B4G	00000	V	-	1	-	-
229.39	SCAF23L1L1	00000	V	-	1	-	-
229.39	SCAF23L1L1G	00000	V	-	1	-	-
353.38	SCAF23L2L2	00000	V	-	1	-	-
353.38	SCAF23L2L2G	00000	V	-	1	-	-
289.57	SCAF23R1R1	00000	V	-	1	-	-
289.57	SCAF23R1R1G	00000	V	-	1	-	-
322.50	SCAF23R2R2	00000	V	-	1	-	-
322.50	SCAF23R2R2G	00000	V	-	1	-	-
243.02	SCAF32B1B1	00000	V	-	1	-	-
243.02	SCAF32B1B1G	00000	V	-	1	-	-
376.14	SCAF32B1L1B1L1	00000	V	-	1	-	-
376.14	SCAF32B1L1B1L1G	00000	V	-	1	-	-
384.96	SCAF32B2B2	00000	V	-	1	-	-
384.96	SCAF32B2B2G	00000	V	-	1	-	-
384.96	SCAF32B2L1B2L1	00000	V	-	1	-	-
384.96	SCAF32B2L1B2L1G	00000	V	-	1	-	-
384.96	SCAF32B3B3	00000	V	-	1	-	-
384.96	SCAF32B3B3G	00000	V	-	1	-	-
665.45	SCAF32B4B4	00000	V	-	1	-	-
665.45	SCAF32B4B4G	00000	V	-	1	-	-
232.79	SCAF32L1L1	00000	V	-	1	-	-
232.79	SCAF32L1L1G	00000	V	-	1	-	-
363.38	SCAF32L2L2	00000	V	-	1	-	-
363.38	SCAF32L2L2G	00000	V	-	1	-	-
294.12	SCAF32R1R1	00000	V	-	1	-	-
294.12	SCAF32R1R1G	00000	V	-	1	-	-
327.05	SCAF32R2R2	00000	V	-	1	-	-

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327.05	SCAF32R2R2G	00000	V	-	1	-	-
245.28	SCAF33B1B1	00000	V	-	1	-	-
245.28	SCAF33B1B1G	00000	V	-	1	-	-
379.29	SCAF33B1L1B1L1	00000	V	-	1	-	-
379.29	SCAF33B1L1B1L1G	00000	V	-	1	-	-
386.10	SCAF33B2B2	00000	V	-	1	-	-
386.10	SCAF33B2B2G	00000	V	-	1	-	-
520.18	SCAF33B2L1B2L1	00000	V	-	1	-	-
520.18	SCAF33B2L1B2L1G	00000	V	-	1	-	-
523.58	SCAF33B3B3	00000	V	-	1	-	-
523.58	SCAF33B3B3G	00000	V	-	1	-	-
666.59	SCAF33B4B4	00000	V	-	1	-	-
666.59	SCAF33B4B4G	00000	V	-	1	-	-
233.93	SCAF33L1L1	00000	V	-	1	-	-
233.93	SCAF33L1L1G	00000	V	-	1	-	-
364.52	SCAF33L2L2	00000	V	-	1	-	-
364.52	SCAF33L2L2G	00000	V	-	1	-	-
295.25	SCAF33R1R1	00000	V	-	1	-	-
295.25	SCAF33R1R1G	00000	V	-	1	-	-
328.18	SCAF33R2R2	00000	V	-	1	-	-
328.18	SCAF33R2R2G	00000	V	-	1	-	-
27.22	SCED12	00000	V	-	1	-	-
27.21	SCED12A	00000	V	-	1	-	-
27.22	SCED12G	00000	V	-	1	-	-
28.57	SCED13	00000	V	-	1	-	-
28.57	SCED13G	00000	V	-	1	-	-
43.74	SCED22	00000	V	-	1	-	-
43.74	SCED22G	00000	V	-	1	-	-
45.11	SCED23	00000	V	-	1	-	-
45.11	SCED23G	00000	V	-	1	-	-
49.15	SCED32	00000	V	-	1	-	-
49.15	SCED32G	00000	V	-	1	-	-
50.52	SCED33	00000	V	-	1	-	-
50.52	SCED33G	00000	V	-	1	-	-
28.57	SCEF12	00000	V	-	1	-	-
28.57	SCEF12G	00000	V	-	1	-	-
29.93	SCEF13	00000	V	-	1	-	-
29.93	SCEF13G	00000	V	-	1	-	-
45.11	SCEF22	00000	V	-	1	-	-
45.11	SCEF22G	00000	V	-	1	-	-
46.47	SCEF23	00000	V	-	1	-	-
46.47	SCEF23G	00000	V	-	1	-	-
50.52	SCEF32	00000	V	-	1	-	-
50.52	SCEF32G	00000	V	-	1	-	-
51.87	SCEF33	00000	V	-	1	-	-
51.87	SCEF33G	00000	V	-	1	-	-
26.54	SCK-0	00000	V	-	1	-	-
26.53	SCK-0G	00000	V	-	1	-	-
30.48	SCK-1	00000	V	-	1	-	-
30.48	SCK-1G	00000	V	-	1	-	-
36.98	SCK-2	00000	V	-	1	-	-
36.98	SCK-2G	00000	V	-	1	-	-
43.47	SCK-3	00000	V	-	1	-	-
43.47	SCK-3G	00000	V	-	1	-	-
49.99	SCK-4	00000	V	-	1	-	-
49.99	SCK-4G	00000	V	-	1	-	-
36.98	SCK-5	00000	V	-	1	-	-
36.98	SCK-5G	00000	V	-	1	-	-
43.47	SCK-6	00000	V	-	1	-	-
43.47	SCK-6G	00000	V	-	1	-	-
30.48	SCK-7	00000	V	-	1	-	-
30.44	SCK-7G	00000	V	-	1	-	-
36.98	SCK-8	00000	V	-	1	-	-
36.98	SCK-8G	00000	V	-	1	-	-
24.37	SCK-9	00000	V	-	1	-	-
24.37	SCK-9G	00000	V	-	1	-	-
50.06	SCXB	08418	V	-	1	-	-
122.39	SCACS1M2XR	08132	V	-	1	-	-
122.39	SCACS1M2XRG	08265	V	-	1	-	-
127.90	SCACS1M3XR	08075	V	-	1	-	-
127.90	SCACS1M3XRG	08266	V	-	1	-	-
521.23	SCAD33B3B3	08188	V	-	1	-	-
264.59	SCAF13B3	08210	V	-	1	-	-
178.04	SCAF13R2G	08349	V	-	1	-	-
43.64	SCX	08417	V	-	1	-	-
39.83	S-1500-BO	02250	QA	-	1	-	-
53.51	S-1500-1	02251	QA	-	1	88	-
66.29	S-1500-2	02252	QA	-	1	88	-
63.10	S-2000-BO	02253	QA	-	1	-	-
78.22	S-2000-1	02254	QA	-	1	150	-
90.62	S-2000-2	02255	QA	-	1	150	-
71.33	S-2500-BO	02256	QA	-	1	-	-
88.17	S-2500-1	02257	QA	-	1	250	-
101.89	S-2500-2	02258	QA	-	1	250	-
93.49	S-3000-BO	02259	QA	-	1	-	-
115.76	S-3000-1	02260	QA	-	1	400	-
139.51	S-3000-2	02261	QA	-	1	400	-
128.49	S-3500-BO	02262	QA	-	1	-	-
158.80	S-3500-1	02263	QA	-	1	530	-
171.32	S-3500-2	02264	QA	-	1	530	-
153.55	S-4000-BO	02265	QA	-	1	-	-
195.50	S-4000-1	02266	QA	-	1	650	-
209.86	S-4000-2	02267	QA	-	1	650	-
281.49	S-5000-BO	02268	QA	-	1	-	-
365.61	S-5000-1	02269	QA	-	1	1330	-
398.10	S-5000-2	02270	QA	-	1	1330	-
462.52	S-6000-BO	02271	QA	-	1	-	-
616.08	S-6000-2	02272	QA	-	1	1900	-
2.36	SB-50	48000	DA	100	500	4	A
3.31	SB-75	48002	DA	100	500	6	A
4.65	SB-100	48004	DA	50	500	10	A
6.19	SB-125	48006	DA	50	200	13	B
7.36	SB-150	48008	DA	25	100	16	B
9.67	SB-200	48010	DA	10	50	26	B
15.83	SB-250	48012	DA	10	50	40	C
21.18	SB-300	48014	DA	5	25	70	C
26.20	SB-350	48016	DA	5	25	83	C
33.61	SB-400	48018	DA	5	25	110	C
54.49	SB-500	48022	DA	-	5	200	C
82.93	SB-600	48024	DA	2	10	280	C
5.28	SBLG-0504	48100	DA	50	500	6	A
7.79	SBLG-0522	48102	DA	50	500	10	A
6.49	SBLG-0704	48104	DA	50	500	9	A
9.41	SBLG-0722	48106	DA	50	250	13	A
8.04	SBLG-1104	48108	DA	25	250	13	A
11.56	SBLG-1122	48110	DA	25	250	16	A
9.35	SBLG-1204	48112	DA	25	100	17	B
11.00	SBLG-1222	48114	DA	25	100	20	B
10.77	SBLG-1504	48116	DA	25	100	20	B
12.57	SBLG-1522	48118	DA	25	100	24	B
12.67	SBLG-2004	48120	DA	10	50	32	B
14.55	SBLG-2022	48122	DA	10	50	36	B
17.04	SBLG-2604	48124	DA	5	25	50	C
18.82	SBLG-2622	48126	DA	5	25	54	C
24.02	SBLG-2624	48128	DA	5	25	66	C
22.07	SBLG-3104	48130	DA	5	25	82	C

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24.18	SBLG-3122	48132	DA	5	25	86	C
28.45	SBLG-3124	48134	DA	5	25	98	C
27.31	SBLG-3604	48136	DA	5	25	100	C
29.34	SBLG-3622	48138	DA	5	25	110	C
33.62	SBLG-3624	48140	DA	5	25	120	C
33.92	SBLG-4104	48142	DA	5	25	140	C
37.35	SBLG-4122	48144	DA	5	25	140	C
40.62	SBLG-4124	48146	DA	5	25	150	C
71.67	SBLG-5104	48154	DA	-	5	240	C
78.82	SBLG-5122	48156	DA	-	5	240	C
84.34	SBLG-5124	48158	DA	-	5	250	C
106.21	SBLG-6104	48160	DA	2	10	310	C
117.31	SBLG-6122	48162	DA	2	10	310	C
127.05	SBLG-6124	48164	DA	2	10	320	C
2.65	SBT-50	48300	DA	100	500	4	A
3.61	SBT-75	48302	DA	100	500	7	A
5.39	SBT-100	48304	DA	50	500	12	A
6.48	SBT-125	48306	DA	50	200	16	B
7.56	SBT-150	48308	DA	25	100	20	B
9.67	SBT-200	48310	DA	10	50	31	B
3.39	• SE-501	48960	NA	25	100	14	A
3.40	• SE-751	48965	NA	25	100	19	A
3.40	• SE-752	48970	NA	25	100	19	A
3.40	• SE-753	48975	NA	25	100	19	A
4.34	• SE-1001	48980	NA	25	100	29	A
4.34	• SE-1002	48985	NA	25	100	29	A
4.34	• SE-1003	48990	NA	25	100	29	A
4.34	• SE-1004	48995	NA	25	100	27	A
9.16	• SE-1251	49000	NA	10	50	45	B
9.16	• SE-1252	49005	NA	10	50	45	B
9.16	• SE-1253	49007	NA	10	50	62	B
12.66	• SE-1504	49010	NA	5	25	76	B
12.66	• SE-1505	49012	NA	5	25	70	B
12.66	• SE-1506	49015	NA	5	25	70	B
24.38	• SE-2006	49020	NA	2	10	139	B
24.38	• SE-2007	49022	NA	2	10	128	B
24.38	• SE-2008	49025	NA	2	10	141	B
24.38	• SE-2009	49027	NA	2	10	128	B
24.38	• SE-20010	49030	NA	2	10	128	B
35.62	SEG	02273	RA	-	1	-	-
0.94	SG-50	49255	AB	100	500	1	A
0.94	SG-75	49260	AB	100	500	1	A
1.36	SG-100	49265	AB	100	500	2	A
2.16	SG-125	49270	AB	50	250	3	A
2.89	SG-200	49275	AB	-	50	5	A
5.77	SG-250	49280	AB	-	25	9	A
6.42	SG-350	49285	AB	-	25	18	A
1.73	SGN-50	50300	AB	100	500	2	A
1.73	SGN-75	50305	AB	100	500	2	A
2.37	SGN-100	50310	AB	100	500	3	A
2.95	SGN-125	50315	AB	50	250	3	A
3.52	SGN-200	50320	AB	-	50	9	A
5.85	SGN-250	50325	AB	-	25	17	A
8.78	SGN-350	50330	AB	-	25	25	A
1.75	SGNC-50	50400	AB	100	500	2	A
1.74	SGNC-75	50401	AB	100	500	2	A
2.40	SGNC-100	50402	AB	100	500	3	A
2.99	SGNC-125	50403	AB	50	250	3	A
3.57	SGNC-200	50405	AB	-	50	9	A
5.88	SGNC-250	50407	AB	-	25	8	A
8.81	SGNC-350	50409	AB	-	25	13	A
3.67	SH-38	00000	UA	-	-	-	-
4.19	SH-50	00000	UA	-	-	-	-
4.52	SH-75	00000	UA	-	-	-	-
5.26	SH-100	00000	UA	-	-	-	-
6.29	SH-125	00000	UA	-	-	-	-
7.81	SH-150	00000	UA	-	-	-	-
9.13	SH-200	00000	UA	-	-	-	-
12.73	SH-250	00000	UA	-	-	-	-
15.63	SH-300	00000	UA	-	-	-	-
31.18	SH-400	00000	UA	-	-	-	-
46.72	SH-450	00000	UA	-	-	-	-
54.67	SH-500	00000	UA	-	-	-	-
65.54	SH-600	00000	UA	-	-	-	-
23.51	SH-350	00000	UA	-	-	-	-
0.81	• SLG-50S	50604	DB	50	500	1	A
0.95	• SLG-75S	50606	DB	50	500	2	A
1.38	• SLG-100S	50608	DB	25	250	4	A
2.15	• SLG-125S	50610	DB	25	250	9	B
2.73	• SLG-150S	50612	DB	25	250	10	B
3.44	• SLG-200S	50614	DB	25	250	15	B
7.77	• SLG-250S	50616	DB	20	100	12	C
12.03	• SLG-300S	50618	DB	10	50	18	C
14.71	• SLG-350S	50620	DB	10	50	22	C
17.52	• SLG-400S	50622	DB	5	25	27	C
85.98	SPKC-62-10	02291	TB	-	1	95	-
102.82	SPKC-78-12	02292	TB	-	1	110	-
102.82	SPKC-96-12	02293	TB	-	1	110	-
127.34	SPKC-112-15	02274	TB	-	1	160	-
147.87	SPKC-137-20	02275	TB	-	1	210	-
147.87	SPKC-153-20	02276	TB	-	1	210	-
176.03	SPKC-174-25	02277	TB	-	1	270	-
176.03	SPKC-196-25	02278	TB	-	1	270	-
205.63	SPKC-215-30	02279	TB	-	1	370	-
205.63	SPKC-234-30	02280	TB	-	1	370	-
205.63	SPKC-253-30	02281	TB	-	1	370	-
245.04	SPKC-280-35	02282	TB	-	1	520	-
245.04	SPKC-298-35	02283	TB	-	1	520	-
307.06	SPKC-323-40	02284	TB	-	1	630	-
307.06	SPKC-345-40	02285	TB	-	1	630	-
396.71	SPKC-370-45	02286	TB	-	1	850	-
453.21	SPKC-395-50	02287	TB	-	1	950	-
453.21	SPKC-420-50	02288	TB	-	1	950	-
453.21	SPKC-441-50	02289	TB	-	1	950	-
453.21	SPKC-462-50	02290	TB	-	1	950	-
61.78	SPKGK-62-10	02317	TB	-	1	95	-
77.47	SPKGK-78-12	02319	TB	-	1	110	-
77.47	SPKGK-96-12	02320	TB	-	1	110	-
101.00	SPKGK-112-15	02294	TB	-	1	160	-
118.76	SPKGK-137-20	02295	TB	-	1	230	-
118.76	SPKGK-153-20	02296	TB	-	1	230	-
143.64	SPKGK-174-25	02297	TB	-	1	350	-
143.64	SPKGK-196-25	02298	TB	-	1	350	-
173.22	SPKGK-215-30	02299	TB	-	1	450	-
173.22	SPKGK-234-30	02301	TB	-	1	450	-
173.22	SPKGK-253-30	02302	TB	-	1	450	-
205.63	SPKGK-280-35	02304	TB	-	1	610	-
205.63	SPKGK-298-35	02305	TB	-	1	610	-
262.84	SPKGK-323-40	02307	TB	-	1	700	-
262.84	SPKGK-345-40	02308	TB	-	1	700	-
391.80	SPKGK-395-50	02311	TB	-	1	1100	-
459.83	SPKGK-370-4540	02310	TB	-	1	900	-
391.80	SPKGK-420-50	02313	TB	-	1	1100	-
391.80	SPKGK-441-50	02314	TB	-	1	1100	-
391.80	SPKGK-462-50	02316	TB	-	1	1100	-
104.42	SPKH-62-10	02342	TB	-	1	95	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
125.69	SPKH-78-12	02343	TB	-	1	110	-
125.69	SPKH-96-12	02344	TB	-	1	110	-
154.91	SPKH-112-15	02322	TB	-	1	160	-
183.87	SPKH-137-20	02323	TB	-	1	210	-
183.87	SPKH-153-20	02325	TB	-	1	210	-
222.52	SPKH-174-25	02326	TB	-	1	320	-
222.52	SPKH-196-25	02328	TB	-	1	320	-
268.98	SPKH-215-30	02329	TB	-	1	420	-
268.98	SPKH-234-30	02331	TB	-	1	420	-
268.98	SPKH-253-30	02332	TB	-	1	420	-
319.33	SPKH-280-35	02333	TB	-	1	570	-
319.33	SPKH-298-35	02334	TB	-	1	570	-
402.86	SPKH-323-40	02335	TB	-	1	680	-
402.86	SPKH-345-40	02336	TB	-	1	680	-
492.52	SPKH-370-45	02337	TB	-	1	850	-
609.19	SPKH-395-50	02338	TB	-	1	1050	-
609.19	SPKH-420-50	02339	TB	-	1	1050	-
609.19	SPKH-441-50	02340	TB	-	1	1050	-
609.19	SPKH-462-50	02341	TB	-	1	1050	-
107.86	SPKHA-62-10	02362	TB	-	1	110	-
128.93	SPKHA-78-12	02363	TB	-	1	160	-
128.93	SPKHA-96-12	02364	TB	-	1	160	-
160.56	SPKHA-112-15	02345	TB	-	1	210	-
192.93	SPKHA-137-20	02346	TB	-	1	260	-
192.93	SPKHA-153-20	02347	TB	-	1	260	-
232.37	SPKHA-174-25	02348	TB	-	1	370	-
232.37	SPKHA-196-25	02349	TB	-	1	370	-
280.04	SPKHA-215-30	02350	TB	-	1	520	-
280.04	SPKHA-234-30	02351	TB	-	1	520	-
280.04	SPKHA-253-30	02352	TB	-	1	520	-
332.84	SPKHA-280-35	02353	TB	-	1	670	-
332.84	SPKHA-298-35	02354	TB	-	1	670	-
422.51	SPKHA-323-40	02355	TB	-	1	830	-
422.51	SPKHA-345-40	02356	TB	-	1	830	-
539.19	SPKHA-370-45	02357	TB	-	1	1050	-
632.53	SPKHA-395-50	02358	TB	-	1	1150	-
632.53	SPKHA-420-50	02359	TB	-	1	1150	-
632.53	SPKHA-441-50	02360	TB	-	1	1150	-
632.53	SPKHA-462-50	02361	TB	-	1	1150	-
186.44	SPKHK-62-10	02382	TB	-	1	150	-
130.24	SPKHK-78-12	02383	TB	-	1	180	-
130.24	SPKHK-96-12	02384	TB	-	1	180	-
160.56	SPKHK-112-15	02365	TB	-	1	200	-
192.93	SPKHK-137-20	02366	TB	-	1	300	-
192.93	SPKHK-153-20	02367	TB	-	1	300	-
232.37	SPKHK-174-25	02368	TB	-	1	430	-
232.37	SPKHK-196-25	02369	TB	-	1	430	-
280.04	SPKHK-215-30	02370	TB	-	1	610	-
280.04	SPKHK-234-30	02371	TB	-	1	610	-
280.04	SPKHK-253-30	02372	TB	-	1	610	-
331.62	SPKHK-280-35	02373	TB	-	1	780	-
331.62	SPKHK-298-35	02374	TB	-	1	780	-
418.82	SPKHK-323-40	02375	TB	-	1	1100	-
418.82	SPKHK-345-40	02376	TB	-	1	1100	-
534.28	SPKHK-370-4540	02377	TB	-	1	1450	-
616.57	SPKHK-395-50	02378	TB	-	1	1600	-
616.57	SPKHK-420-50	02379	TB	-	1	1600	-
616.57	SPKHK-441-50	02380	TB	-	1	1600	-
616.57	SPKHK-462-50	02381	TB	-	1	1600	-
93.75	SPKP-78-P3	02409	TB	-	1	85	-
93.75	SPKP-96-P3	02410	TB	-	1	85	-
110.53	SPKP-112-P3	02385	TB	-	1	90	-
120.98	SPKP-137-P3	02386	TB	-	1	100	-
120.98	SPKP-137-P4	02387	TB	-	1	170	-
131.59	SPKP-153-P3	02388	TB	-	1	100	-
131.59	SPKP-153-P4	02389	TB	-	1	170	-
152.08	SPKP-174-P4	02390	TB	-	1	200	-
152.08	SPKP-196-P4	02391	TB	-	1	200	-
177.45	SPKP-215-P4	02392	TB	-	1	250	-
191.54	SPKP-215-P5	02393	TB	-	1	300	-
177.45	SPKP-234-P4	02394	TB	-	1	250	-
191.54	SPKP-234-P5	02395	TB	-	1	300	-
177.45	SPKP-253-P4	02396	TB	-	1	250	-
191.54	SPKP-253-P5	02397	TB	-	1	300	-
199.98	SPKP-280-P4	02398	TB	-	1	400	-
222.52	SPKP-280-P5	02399	TB	-	1	350	-
199.98	SPKP-298-P4	02400	TB	-	1	400	-
222.52	SPKP-298-P5	02401	TB	-	1	350	-
275.12	SPKP-323-P5	02402	TB	-	1	400	-
275.12	SPKP-345-P5	02403	TB	-	1	400	-
486.54	SPKP-370-P5	02404	TB	-	1	600	-
474.10	SPKP-395-P5	02405	TB	-	1	600	-
474.10	SPKP-420-P5	02406	TB	-	1	600	-
474.10	SPKP-441-P5	02407	TB	-	1	650	-
474.10	SPKP-462-P5	02408	TB	-	1	650	-
168.97	SPKSR-112-15	02411	TB	-	1	200	-
205.63	SPKSR-137-20	02412	TB	-	1	250	-
205.63	SPKSR-153-20	02413	TB	-	1	250	-
240.81	SPKSR-174-25	02414	TB	-	1	450	-
240.81	SPKSR-196-25	02415	TB	-	1	450	-
287.41	SPKSR-215-30	02416	TB	-	1	600	-
287.41	SPKSR-234-30	02417	TB	-	1	600	-
287.41	SPKSR-253-30	02418	TB	-	1	600	-
352.50	SPKSR-280-35	02419	TB	-	1	800	-
352.50	SPKSR-298-35	02420	TB	-	1	800	-
438.47	SPKSR-323-40	02421	TB	-	1	1000	-
438.47	SPKSR-345-40	02422	TB	-	1	1000	-
541.65	SPKSR-370-45	02423	TB	-	1	1300	-
689.04	SPKSR-395-50	02424	TB	-	1	1600	-
689.04	SPKSR-420-50	02425	TB	-	1	1600	-
689.04	SPKSR-441-50	02426	TB	-	1	1600	-
689.04	SPKSR-462-50	02427	TB	-	1	1600	-
60.43	SPKT-62-07	02436	TB	-	1	55	-
60.43	SPKT-80-07	02437	TB	-	1	55	-
92.62	SPKT-96-10	02438	TB	-	1	95	-
111.57	SPKT-134-12	02428	TB	-	1	110	-
138.46	SPKT-156-15	02429	TB	-	1	160	-
163.37	SPKT-200-20	02430	TB	-	1	210	-
190.57	SPKT-240-25	02431	TB	-	1	320	-
239.42	SPKT-298-30	02432	TB	-	1	420	-
287.41	SPKT-344-35	02433	TB	-	1	570	-
356.01	SPKT-391-40	02434	TB	-	1	680	-
553.92	SPKT-484-50	02435	TB	-	1	1050	-
78.39	SPKTA-62-07	02447	TB	-	1	80	-
78.39	SPKTA-80-07	02448	TB	-	1	80	-
96.11	SPKTA-96-10	02449	TB	-	1	110	-
145.84	SPKTA-134-12	02439	TB	-	1	160	-
143.84	SPKTA-156-15	02440	TB	-	1	210	-
207.81	SPKTA-200-20	02441	TB	-	1	260	-
297.91	SPKTA-240-25	02442	TB	-	1	370	-
251.78	SPKTA-298-30	02443	TB	-	1	520	-
299.69	SPKTA-344-35	02444	TB	-	1	670	-
388.75	SPKTA-391-40	02445	TB	-	1	830	-
579.71	SPKTA-484-50	02446	TB	-	1	1150	-
13.67	SPLG-1500-1	02450	QA	-	1	-	-
25.47	SPLG-1500-2	02451	QA	-	1	-	-

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15.11	SPLG-2000-1	02452	QA	-	1	-	-
27.51	SPLG-2000-2	02453	QA	-	1	-	-
16.83	SPLG-2500-1	02454	QA	-	1	-	-
29.77	SPLG-2500-2	02455	QA	-	1	-	-
22.38	SPLG-3000-1	02456	QA	-	1	-	-
37.12	SPLG-3000-2	02457	QA	-	1	-	-
28.41	SPLG-3500-1	02458	QA	-	1	-	-
42.92	SPLG-3500-2	02459	QA	-	1	-	-
41.55	SPLG-4000-1	02460	QA	-	1	-	-
56.38	SPLG-4000-2	02461	QA	-	1	-	-
84.12	SPLG-5000-1	02462	QA	-	1	-	-
98.62	SPLG-5000-2	02463	QA	-	1	-	-
148.03	SPLG-6000-1	02464	QA	-	1	-	-
153.55	SPLG-6000-2	02465	QA	-	1	-	-
11.96	• SR-9-10010	51485	HA	10	50	53	A
11.96	• SR-9-1006	51465	HA	10	50	55	A
11.96	• SR-9-1007	51470	HA	10	50	55	A
11.96	• SR-9-1008	51475	HA	10	50	53	A
11.96	• SR-9-1009	51480	HA	10	50	53	A
22.18	• SR-9-12510	51491	HA	2	10	92	B
22.18	• SR-9-12512	51492	HA	2	10	85	B
27.94	• SR-9-15012	51493	HA	2	10	128	B
27.94	• SR-9-15014	51494	HA	2	10	120	B
38.60	• SR-9-20014	51495	HA	2	10	235	B
38.42	• SR-9-20016	51496	HA	2	10	235	B
38.60	• SR-9-20018	51497	HA	2	10	235	B
5.77	• SR-9-502	51400	HA	20	100	20	A
5.75	• SR-9-503	51405	HA	20	100	20	A
5.69	• SR-9-504	51410	HA	20	100	19	A
5.69	• SR-9-505	51415	HA	20	100	19	A
5.75	• SR-9-506	51420	HA	20	100	25	A
5.77	• SR-9-507	51425	HA	20	100	25	A
11.96	• SR-9-1002	09928	HA	10	50	53	A
11.96	• SR-9-1003	09927	HA	10	50	53	A
11.96	• SR-9-1004	09926	HA	10	50	53	A
11.96	• SR-9-1005	09925	HA	10	50	53	A
7.58	• SR-9-752	09924	HA	10	50	38	A
7.58	• SR-9-753	09922	HA	10	50	38	A
7.53	• SR-9-754	51430	HA	10	50	38	A
7.58	• SR-9-755	51435	HA	10	50	36	A
7.53	• SR-9-756	51440	HA	10	50	40	A
7.63	• SR-9-757	51445	HA	10	50	37	A
7.68	• SR-9-758	51450	HA	10	50	40	A
3.12	• SR-50-250	50650	HA	25	100	23	A
3.12	• SR-50-375	50651	HA	25	100	23	A
3.12	• SR-50-500	50652	HA	25	100	24	A
3.12	• SR-50-625	50653	HA	25	100	25	A
3.58	• SR-75-250	50658	HA	25	100	25	A
3.57	• SR-75-375	50660	HA	25	100	25	A
3.57	• SR-75-500	50661	HA	25	100	26	A
3.53	• SR-75-625	50662	HA	25	100	24	A
3.53	• SR-75-750	50663	HA	25	100	29	A
3.57	• SR-75-875	50664	HA	25	100	29	A
4.76	• SR-100-1000	50668	HA	25	100	42	A
13.02	• SR-100-1125	50669	HA	25	100	30	A
4.79	• SR-100-750	50666	HA	25	100	32	A
4.76	• SR-100-875	50667	HA	25	100	32	A
13.23	• SR-125-1000	50671	HA	5	25	52	B
13.15	• SR-125-1375	50672	HA	5	25	74	B
16.35	• SR-150-1375	50674	HA	2	10	126	B
16.35	• SR-150-1750	50675	HA	2	10	126	B
23.98	• SR-200-1750	50677	HA	2	10	154	B
35.16	• SR-250-2000	50679	HA	2	10	360	C

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34.99	• SR-250-2250	50680	HA	2	10	361	C
44.56	• SR-300-2250	50684	HA	1	5	400	C
44.35	• SR-300-2500	50685	HA	1	5	400	C
3.24	• SR-502	50720	HA	25	100	16	A
3.24	• SR-503	50725	HA	25	100	19	A
3.24	• SR-504	50730	HA	25	100	19	A
3.24	• SR-505	50735	HA	25	100	15	A
3.24	• SR-505-55	50737	HA	25	100	19	A
3.24	• SR-506	50740	HA	25	100	19	A
3.24	• SR-507	50745	HA	25	100	19	A
3.86	• SR-752	09440	HA	24	100	21	A
3.86	• SR-753	09441	HA	25	100	21	A
3.84	• SR-754	50750	HA	25	100	21	A
3.84	• SR-755	50755	HA	25	100	21	A
3.81	• SR-756	50760	HA	25	100	26	A
3.81	• SR-757	50765	HA	25	100	20	A
3.84	• SR-758	50770	HA	25	100	28	A
3.86	• SR-759	50775	HA	25	100	27	A
5.87	• SR-950-250	50688	HA	25	100	32	A
5.87	• SR-950-375	50690	HA	25	100	32	A
5.82	• SR-950-500	50691	HA	25	100	33	A
5.87	• SR-950-625	50692	HA	10	25	33	A
7.47	• SR-975-250	50694	HA	10	50	33	A
7.47	• SR-975-375	50695	HA	10	50	33	A
7.47	• SR-975-500	50696	HA	10	50	33	A
7.47	• SR-975-625	50700	HA	10	50	43	A
7.47	• SR-975-750	50701	HA	10	50	48	A
7.47	• SR-975-875	50702	HA	10	50	52	A
4.92	• SR-1002	09442	HA	25	100	33	A
4.92	• SR-1003	09443	HA	25	100	33	A
4.92	• SR-1004	09439	HA	25	100	33	A
4.82	• SR-1005	50782	HA	25	100	31	A
4.92	• SR-1006	50785	HA	25	100	33	A
4.92	• SR-1007	50790	HA	25	100	32	A
4.98	• SR-1008	50795	HA	25	100	31	A
4.92	• SR-1009	50800	HA	25	100	30	A
3.86	• SR-7510	50780	HA	25	100	27	A
11.68	• SR-9100-1000	50705	HA	2	10	62	A
11.68	• SR-9100-875	50704	HA	10	50	53	A
21.76	• SR-9125-1000	50707	HA	2	10	92	B
21.76	• SR-9125-1375	50708	HA	2	10	92	B
4.98	• SR-10010	50805	HA	25	100	30	A
13.98	• SR-10012	50810	HA	25	100	42	A
13.42	• SR-12510	50815	HA	10	50	69	B
13.42	• SR-12512	50820	HA	10	50	48	B
13.48	• SR-12514	50825	HA	10	50	74	B
16.84	• SR-15012	50830	HA	5	25	77	B
16.84	• SR-15014	50835	HA	5	25	77	B
16.92	• SR-15016	50840	HA	5	25	126	B
16.92	• SR-15018	50845	HA	5	25	124	B
24.98	• SR-20014	50850	HA	2	10	154	B
24.25	• SR-20016	50855	HA	2	10	147	B
24.47	• SR-20018	50860	HA	2	10	143	B
36.76	• SR-25018	50865	HA	2	10	348	C
36.26	• SR-25021	50870	HA	2	10	361	C
36.58	• SR-25024	50875	HA	2	10	361	C
43.34	• SR-30018	50880	HA	1	5	444	C
45.34	• SR-30021	50885	HA	1	5	408	C
45.34	• SR-30024	50890	HA	1	5	395	C
168.99	SR122A	02466	V	-	1	-	-
121.54	SR122AB	00000	V	-	1	-	-
148.43	SR122ABCD	00000	V	-	1	-	-
121.54	SR122AD	00000	V	-	1	-	-

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108.99	SR122B	02470	V	-	1	-	-
121.54	SR122BC	00000	V	-	1	-	-
154.38	SR131ABCD	02472	V	-	1	-	-
121.54	SR131BD	02473	V	-	1	-	-
153.02	SR131CCDD	02474	V	-	1	-	-
121.54	SR131CD	02475	V	-	1	-	-
153.02	SR132CCDD	02476	V	-	1	-	-
121.54	SR132CD	02477	V	-	1	-	-
153.02	SR134CCDD	02478	V	-	1	-	-
121.54	SR134CD	02479	V	-	1	-	-
121.54	SR222A	02480	V	-	1	-	-
122.67	SR222AB	00000	V	-	1	-	-
121.54	SR222B	02484	V	-	1	-	-
133.97	SR222BC	00000	V	-	1	-	-
165.21	SR231ABCD	00000	V	-	1	-	-
133.97	SR231BD	02487	V	-	1	-	-
166.55	SR231CCDD	02488	V	-	1	-	-
133.97	SR231CD	02489	V	-	1	-	-
166.55	SR232CCDD	02490	V	-	1	-	-
133.97	SR232CD	02491	V	-	1	-	-
166.55	SR234CCDD	02492	V	-	1	-	-
133.97	SR234CD	02493	V	-	1	-	-
2.26	• SSP-50	51650	EA	25	100	21	A
2.81	• SSP-75	51652	EA	20	100	23	A
5.50	• SSP-100	51654	EA	20	100	45	A
7.21	• SSP-125	51656	EA	10	50	60	B
9.84	• SSP-150	51658	EA	5	25	75	B
16.07	• SSP-200	51660	EA	5	25	108	B
38.94	• SSP-250	51662	EA	2	10	230	C
58.59	• SSP-300	51664	EA	2	10	300	C
94.25	• SSP-350	51666	EA	1	5	383	C
110.92	• SSP-400	51668	EA	1	5	415	C
191.83	• SSP-500	51672	EA	-	2	606	C
257.85	• SSP-600	51674	EA	-	1	863	C
92.86	SS122A	02494	V	-	1	-	-
108.99	SS122AB	02495	V	-	1	-	-
140.83	SS122ABCD	02496	V	-	1	-	-
92.86	SS122B	02498	V	-	1	-	-
108.99	SS122BC	02499	V	-	1	-	-
74.21	SS131	00000	V	-	1	-	-
154.38	SS131ABCD	02501	V	-	1	-	-
108.99	SS131BD	02502	V	-	1	-	-
153.02	SS131CCDD	02504	V	-	1	-	-
108.99	SS131CD	02505	V	-	1	-	-
140.83	SS132CCDD	02507	V	-	1	-	-
108.99	SS132CD	02508	V	-	1	-	-
140.83	SS134CCDD	02510	V	-	1	-	-
108.99	SS134CD	02511	V	-	1	-	-
100.14	SS222A	02513	V	-	1	-	-
116.15	SS222AB	02514	V	-	1	-	-
151.67	SS222ABCD	02516	V	-	1	-	-
111.88	SS222AD	02517	V	-	1	-	-
100.14	SS222B	02519	V	-	1	-	-
116.15	SS222BC	02520	V	-	1	-	-
151.67	SS231ABCD	02522	V	-	1	-	-
116.15	SS231BD	02523	V	-	1	-	-
151.67	SS231CCDD	02525	V	-	1	-	-
116.15	SS231CD	02526	V	-	1	-	-
151.67	SS232CCDD	02528	V	-	1	-	-
116.15	SS232CD	02529	V	-	1	-	-
151.67	SS234CCDD	02531	V	-	1	-	-
116.15	SS234CD	02532	V	-	1	-	-
9.88	STL-2	10198	BA	10	50	-	A
20.07	STL-8	10199	BA	1	10	-	A
7.48	T17	51706	AA	5	25	123	A
8.90	T17-SA	89050	AA	5	25	41	A
8.79	T27	51726	AA	5	25	170	A
10.08	T27-SA	89051	AA	5	25	57	A
13.24	T37	51746	AA	2	10	232	A
14.80	T37-SA	89052	AA	2	10	77	A
19.26	T47	51766	AA	2	10	273	A
22.89	T47-SA	89053	AA	2	10	90	A
7.40	T-50	51700	AB	10	50	57	A
5.98	T-50A	51840	AC	10	50	21	A
6.78	T-50A-TW	51861	AC	10	50	21	A
9.00	T-50ACG	06463	AC	10	50	25	A
11.48	T-50CG	06464	AB	10	50	-	A
10.72	T-50G	51705	AB	10	50	57	C
25.65	T57	51786	AA	2	10	414	A
30.59	T57-SA	89054	AA	2	10	138	A
39.62	T67	51806	AA	1	5	528	A
47.09	T67-SA	89055	AA	1	5	176	A
6.78	T-75	51720	AB	5	25	86	A
7.60	T-75A	51841	AC	10	50	32	A
8.67	T-75A-TW	51862	AC	10	50	32	A
11.58	T-75ACG	06466	AC	10	50	37	A
13.06	T-75CG	06467	AB	10	50	-	A
12.64	T-75G	51725	AB	10	50	86	C
79.11	T77	51822	AA	-	1	1080	A
114.87	T87	51827	AA	-	1	1300	A
182.84	T97	51832	AA	-	1	184	C
14.57	T-100	51740	AB	5	25	132	A
10.72	T-100A	51842	AC	5	25	49	A
12.83	T-100A-TW	51863	AC	5	25	49	A
16.00	T-100ACG	06448	AC	5	25	56	A
20.76	T-100CG	06449	AB	5	25	-	A
20.96	T-100G	51745	AB	5	25	132	C
290.71	T107	51837	AA	-	1	2030	A
18.25	T-125	51760	AB	2	10	235	A
16.82	T-125A	51843	AC	2	10	88	A
20.18	T-125A-TW	51864	AC	2	10	88	A
22.99	T-125ACG	06451	AC	2	10	102	A
26.86	T-125CG	06452	AB	2	10	-	A
27.86	T-125G	51765	AB	2	10	235	C
25.66	T-150	51780	AB	2	10	273	A
22.47	T-150A	51844	AC	2	10	102	A
26.92	T-150A-TW	51865	AC	2	10	102	A
28.59	T-150ACG	06454	AC	2	10	116	A
33.37	T-150CG	06455	AB	2	10	-	A
36.96	T-150G	51785	AB	2	10	273	C
39.86	T-200	51800	AB	1	5	608	A
35.99	T-200A	51845	AC	1	5	227	A
45.46	T-200A-TW	51866	AC	1	5	227	A
43.89	T-200ACG	06457	AC	1	5	249	A
50.58	T-200CG	06458	AB	1	5	-	A
57.43	T-200G	51805	AB	1	5	608	C
79.43	T-250	51821	AB	-	1	1188	B
80.63	T-250A	51846	AC	-	1	443	B
112.83	T-250G	51820	AB	-	1	1188	C
113.72	T-300	51826	AB	-	1	1475	A
104.11	T-300A	51847	AC	-	1	550	B
164.43	T-300G	51825	AB	-	1	1475	C
182.84	T-350	51831	AB	-	1	2650	C
177.18	T-350A	51848	AC	-	1	987	C
255.28	T-350G	51830	AB	-	1	2650	C
282.63	T-400	51836	AB	-	1	2675	B

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192.36	T-400A	51849	AC	-	1	997	B
286.88	T-400G	51835	AB	-	1	2675	C
44.02	T8X-100A	05481	AD	1	2	276	A
48.80	T8X-125A	05483	AD	1	2	336	A
89.68	T8X-150A	05485	AD	-	1	525	A
107.27	T8X-200A	05487	AD	-	1	633	A
150.54	T8X-250A	05489	AD	-	1	1505	A
215.56	T8X-300A	05492	AD	-	1	1604	A
322.37	T8X-350A	05493	AD	-	1	2165	A
402.31	T8X-400A	05495	AD	-	1	2150	A
36.47	T8X-100G	05482	AD	1	2	697	A
46.58	T8X-125G	05484	AD	1	2	850	A
73.83	T8X-150G	05486	AD	-	1	1500	A
89.68	T8X-200G	05488	AD	-	1	1600	A
144.64	T8X-250G	05490	AD	-	1	3800	A
179.25	T8X-300G	00000	AD	-	1	4050	A
309.98	T8X-350G	05494	AD	-	1	5550	A
384.37	T8X-400G	05496	AD	-	1	5500	A
12.81	TA17	51875	AA	5	25	146	A
15.51	TA27	51876	AA	2	10	202	A
17.49	TA37	51877	AA	2	10	260	A
24.84	TA47	51878	AA	2	10	370	A
33.08	TA57	51879	AA	2	10	420	A
57.77	TA67	51880	AA	-	1	670	A
8.09	TB17	52238	AA	5	25	125	A
9.48	TB17-SA	89060	AA	5	25	42	A
9.70	TB27	52248	AA	5	25	170	A
11.23	TB27-SA	89061	AA	5	25	57	A
13.79	TB37	52258	AA	2	10	238	A
15.97	TB37-SA	89062	AA	2	10	80	A
21.15	TB47	52268	AA	2	10	322	A
24.84	TB47-SA	89063	AA	2	10	107	A
8.04	TB-50	52236	AB	10	50	80	A
8.77	TB-50A	52237	AC	10	50	30	B
27.47	TB57	52278	AA	2	10	420	A
31.92	TB57-SA	89064	AA	2	10	140	A
42.99	TB67	52288	AA	1	5	600	A
51.11	TB67-SA	89065	AA	1	5	200	B
9.70	TB-75	52246	AB	5	25	114	A
9.34	TB-75A	52247	AC	5	25	43	A
13.79	TB-100	52256	AB	5	25	169	A
12.69	TB-100A	52257	AC	5	25	64	A
21.04	TB-125	52266	AB	2	10	310	A
17.99	TB-125A	52267	AC	2	10	118	A
27.47	TB-150	52276	AB	2	10	385	A
25.66	TB-150A	52277	AC	2	10	146	A
42.59	TB-200	52286	AB	1	5	745	A
41.06	TB-200A	52287	AC	1	5	283	B
438.39	TBSM	02533	V	-	1	-	-
438.39	TBSM-B	02534	V	-	1	-	-
18.73	TG-24	52290	MA	25	100	50	-
0.14	• THR-50S	53000	EA	50	500	2	A
0.22	• THR-75S	53001	EA	50	500	2	A
0.28	• THR-100S	53002	EA	50	200	4	A
0.35	• THR-125S	53003	EA	25	100	5	B
0.35	• THR-150S	53004	EA	25	100	5	B
0.58	• THR-200S	53005	EA	-	25	10	B
1.01	• THR-250S	53006	EA	-	25	18	C
1.23	• THR-300S	53007	EA	-	25	23	C
1.59	• THR-350S	53008	EA	-	10	24	C
1.73	• THR-400S	53009	EA	-	10	30	C
0.13	• THTW-50S	53015	FD	50	500	2	A
0.13	• THTW-75S	53016	FD	50	500	2	A
0.22	• THTW-100S	53017	FD	50	200	4	A
0.29	• THTW-125S	53018	FD	25	100	5	B
0.34	• THTW-150S	53019	FD	25	100	5	B
0.34	• THTW-200S	53020	FD	-	25	10	B
9.16	TN-50-65	69850	TB	5	25	1	A
9.16	TN-50-80	69855	TB	5	25	1	A
13.07	TN-75-95	05447	TB	1	25	1	A
13.07	TN-75-110	69865	TB	5	25	1	A
18.84	TN-100-125	69870	TB	5	25	2	A
18.84	TN-100-143	69875	TB	5	25	2	A
36.65	• TNS-150	52300	EA	5	25	160	-
37.82	• TNS-200	52302	EA	1	5	240	-
45.76	• TNS-250	52304	EA	1	5	380	-
52.92	• TNS-300	52306	EA	1	5	460	-
60.81	• TNS-350	52308	EA	1	5	490	-
67.50	• TNS-400	52310	EA	-	3	510	-
83.77	• TNS-500	52312	EA	-	2	620	-
109.03	• TNS-600	52314	EA	-	2	1080	-
44.31	• TX-50	52350	CA	-	10	220	C
56.11	• TX-75	52352	CA	-	10	270	A
73.09	• TX-100	52353	CA	-	10	400	B
98.70	• TX-125	52356	CA	-	5	490	B
121.86	• TX-150	52358	CA	-	4	750	B
167.87	• TX-200	52360	CA	-	2	930	B
236.11	• TX-250	52362	CA	-	2	1500	C
318.23	• TX-300	52364	CA	-	1	2050	C
412.56	• TX-350	00103	CA	-	1	2500	C
499.83	• TX-400	52366	CA	-	1	3030	B
0.58	• U-50S	54399	EA	-	200	8	A
0.79	• U-50SG	54400	EA	-	200	12	A
0.85	• U-75S	54404	EA	-	200	11	A
0.89	• U-75SG	54405	EA	-	200	14	A
0.92	• U-100S	54409	EA	-	100	13	A
1.05	• U-100SG	54410	EA	-	100	15	A
1.08	• U-125S	54414	EA	-	50	15	B
1.22	• U-125SG	54415	EA	-	50	17	B
1.15	• U-150S	54419	EA	-	50	16	B
1.26	• U-150SG	54420	EA	-	50	17	B
1.43	• U-200S	54424	EA	-	50	26	B
1.65	• U-200SG	54425	EA	-	50	30	B
1.73	• U-250S	54429	EA	-	25	29	C
1.87	• U-250SG	54430	EA	-	25	32	C
1.87	• U-300S	54434	EA	-	25	34	C
2.22	• U-300SG	54435	EA	-	25	37	C
2.38	• U-350S	54439	EA	-	20	37	C
2.60	• U-350SG	54440	EA	-	20	40	C
2.74	• U-400S	54444	EA	-	20	40	C
3.02	• U-400SG	54445	EA	-	20	45	C
5.88	• U-500S	54449	EA	-	10	47	C
9.54	• U-500SG	54450	EA	-	10	47	C
9.32	• U-600S	54454	EA	-	10	53	C
13.24	• U-600SG	54455	EA	-	10	53	C
37.27	UB6X-100A	05497	AD	1	2	200	A
41.45	UB6X-125A	05499	AD	1	2	180	A
78.85	UB6X-150A	05501	AD	-	1	370	A
96.05	UB6X-200A	05503	AD	-	1	365	A
146.42	UB6X-250A	05505	AD	-	1	1524	A
197.49	UB6X-300A	05507	AD	-	1	1560	A
314.94	UB6X-350A	05509	AD	-	1	3010	A
382.56	UB6X-400A	05511	AD	-	1	3135	A
31.01	UB6X-100G	05498	AD	1	2	500	A
34.63	UB6X-125G	05500	AD	1	2	470	A
66.17	UB6X-150G	05502	AD	-	1	950	A

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80.80	UB6X-200G	05504	AD	-	1	940	A
121.46	UB6X-250G	05506	AD	-	1	3910	A
163.83	UB6X-300G	05508	AD	-	1	4000	A
301.30	UB6X-350G	05510	AD	-	1	7600	A
319.62	UB6X-400G	05512	AD	-	1	7900	A
1.87	• UBC-50	54600	EA	-	50	37	A
1.95	• UBC-50G	54599	EA	-	50	37	A
1.93	• UBC-75	54605	EA	-	50	41	A
1.93	• UBC-75G	54604	EA	-	50	41	A
2.22	• UBC-100	54610	EA	-	50	45	A
2.33	• UBC-100G	54609	EA	-	50	45	A
2.56	• UBC-125	54615	EA	-	25	52	B
2.66	• UBC-125G	54614	EA	-	25	52	B
2.78	• UBC-150	54620	EA	-	25	57	B
2.94	• UBC-150G	54619	EA	-	25	57	B
4.10	• UBC-200	54625	EA	-	25	78	B
4.25	• UBC-200G	54624	EA	-	25	78	B
4.87	• UBC-250	54630	EA	-	10	90	C
5.12	• UBC-250G	54629	EA	-	10	90	C
5.47	• UBC-300	54635	EA	-	10	101	C
5.67	• UBC-300G	54634	EA	-	10	101	C
7.08	• UBC-350	54640	EA	-	10	110	C
7.19	• UBC-350G	54639	EA	-	10	110	C
7.53	• UBC-400	54645	EA	-	10	128	C
7.71	• UBC-400G	54644	EA	-	10	128	C
17.04	• UBC-500	54650	EA	-	5	149	C
17.55	• UBC-500G	54649	EA	-	5	149	C
25.43	• UBC-600	54655	EA	-	5	196	C
26.27	• UBC-600G	54654	EA	-	5	196	C
4.11	• UEC-50G	55050	EA	-	50	65	A
4.26	• UEC-75G	55055	EA	-	50	74	A
5.09	• UEC-100G	55060	EA	-	50	79	A
5.95	• UEC-125G	55065	EA	-	25	93	B
6.64	• UEC-150G	55070	EA	-	25	100	B
7.82	• UEC-200G	55075	EA	-	25	132	B
10.04	• UEC-250G	55080	EA	-	10	177	C
11.88	• UEC-300G	55085	EA	-	10	229	C
32.43	UNA-100	07126	BA	2	10	-	A
26.48	UNA-50	07128	BA	5	25	-	A
38.09	UNA-75	07129	BA	2	10	-	A
38.37	UNAM-100	07133	BA	2	10	-	A
32.18	UNAM-50	07130	BA	2	10	-	A
35.54	UNAM-75	07132	BA	2	10	-	A
6.58	UNF-50S	55200	BA	5	25	32	A
8.96	UNF-75S	55202	BA	5	25	42	A
16.27	UNF-100S	55204	BA	5	25	63	A
24.57	UNF-125	55206	BA	2	10	145	A
31.52	UNF-150	55208	BA	2	10	204	A
40.58	UNF-200	55210	BA	2	10	333	A
61.88	UNF-250	55212	BA	1	5	497	A
84.12	UNF-300	55214	BA	1	5	661	A
139.91	UNF-350	55216	BA	1	5	788	A
154.90	UNF-400	55218	BA	1	5	1023	A
205.42	UNF-500	55220	BA	-	1	1600	B
245.71	UNF-600	55222	BA	-	1	2060	B
6.97	UNF-50A	55176	BA	5	25	1	A
9.51	UNF-75A	55178	BA	5	25	1	A
17.27	UNF-100A	55180	BA	5	25	2	A
26.02	UNF-125A	55182	BA	2	10	5	A
33.35	UNF-150A	55184	BA	2	10	7	A
42.90	UNF-200A	55186	BA	2	10	11	A
62.04	UNF-250A	55188	BA	1	5	17	A
89.05	UNF-300A	55190	BA	1	5	22	A

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134.14	UNF-350A	55192	BA	1	5	26	A
157.13	UNF-400A	55194	BA	1	5	34	A
196.58	UNF-500A	55196	BA	-	1	55	B
235.88	UNF-600A	55198	BA	-	1	69	B
15.38	UNFE-50S	55225	BA	10	50	50	A
21.22	UNFE-75S	55226	BA	10	50	67	A
24.63	UNFE-100S	55227	BA	5	25	92	A
17.86	UNFEL-50S	55240	BA	5	25	62	A
25.12	UNFEL-75S	55241	BA	5	25	84	A
37.77	UNFEL-100S	55242	BA	2	10	119	A
17.41	UNJ50N	13692	W	5	50	80	-
17.41	UNJ75N	13693	W	5	50	88	-
7.10	UNY-50S	55300	BA	5	25	37	A
10.15	UNY-75S	55302	BA	5	25	52	A
17.36	UNY-100S	55304	BA	5	25	78	A
28.44	UNY-125	55306	BA	2	10	169	A
34.33	UNY-150	55308	BA	2	10	236	A
44.29	UNY-200	55310	BA	2	10	389	A
75.85	UNY-250	55312	BA	1	5	577	A
96.28	UNY-300	55314	BA	1	5	781	A
152.93	UNY-350	55316	BA	1	5	938	A
174.48	UNY-400	55318	BA	-	1	1203	A
243.37	UNY-500	55320	BA	-	1	1660	A
288.86	UNY-600	55322	BA	-	1	2060	A
7.52	UNY-50A	55276	BA	5	25	1	A
10.58	UNY-75A	55278	BA	5	25	2	A
16.28	UNY-100A	55280	BA	5	25	3	A
28.35	UNY-125A	55282	BA	2	10	6	B
36.65	UNY-150A	55284	BA	2	10	8	B
47.34	UNY-200A	55286	BA	2	10	13	B
76.87	UNY-250A	55288	BA	1	5	19	B
104.41	UNY-300A	55290	BA	1	5	26	B
163.91	UNY-350A	55292	BA	1	5	31	C
185.94	UNY-400A	55294	BA	-	1	40	B
238.13	UNY-500A	55296	BA	-	1	55	C
294.35	UNY-600A	55298	BA	-	1	69	C
16.66	UNYE-50S	55325	BA	10	50	49	A
22.86	UNYE-75S	55326	BA	10	50	66	A
26.86	UNYE-100S	55327	BA	5	25	91	A
16.61	UNYEL-50S	55340	BA	5	25	61	A
23.27	UNYEL-75S	55341	BA	5	25	82	A
34.97	UNYEL-100S	55342	BA	2	10	118	A
2.86	• UPC-50G	55475	EA	-	50	55	A
3.15	• UPC-75G	55480	EA	-	50	59	A
3.43	• UPC-100G	55485	EA	-	50	49	A
4.36	• UPC-125G	55490	EA	-	25	57	B
4.92	• UPC-150G	55495	EA	-	25	77	B
6.47	• UPC-200G	55500	EA	-	25	70	B
7.98	• UPC-250G	55505	EA	-	10	155	C
8.61	• UPC-300G	55510	EA	-	10	184	C
10.91	• UPC-350G	55515	EA	-	10	213	C
12.15	• UPC-400G	55520	EA	-	10	220	C
469.84	U7AMC	02535	V	-	1	-	-
489.96	U7AMO	02536	V	-	1	-	-
127.33	V-2005-BO	02537	QA	-	1	-	-
176.46	V-2005-1	02538	QA	-	1	63	-
186.43	V-2005-2	02539	QA	-	1	63	-
180.96	V-2505-BO	02540	QA	-	1	-	-
215.23	V-2505-1	02541	QA	-	1	100	-
234.86	V-2505-2	02542	QA	-	1	100	-
216.10	V-3005-BO	02543	QA	-	1	-	-
282.23	V-3005-1	02544	QA	-	1	140	-
294.36	V-3005-2	02545	QA	-	1	140	-

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281.49	V-3505-BO	02546	QA	-	1	-	-
358.43	V-3505-1	02547	QA	-	1	160	-
370.12	V-3505-2	02548	QA	-	1	160	-
339.78	V-4005-BO	02549	QA	-	1	-	-
442.53	V-4005-1	02550	QA	-	1	240	-
454.49	V-4005-2	02551	QA	-	1	240	-
512.14	V-5005-BO	02552	QA	-	1	-	-
665.69	V-5005-1	02553	QA	-	1	340	-
678.49	V-5005-2	02554	QA	-	1	340	-
41.47	VG-21-2	55600	MA	5	25	150	-
43.82	VG-21-4	55608	MA	5	25	150	-
49.28	VG-24-2	55602	MA	5	25	180	-
56.41	VG-24-4	55610	MA	5	25	180	-
67.53	VG-50-2	55604	MA	2	10	230	-
74.01	VG-50-4	55612	MA	5	25	230	-
86.52	VG-92-2	55606	MA	5	25	350	-
94.49	VG-92-4	55614	MA	5	25	350	-
210.44	W-1508-1-LS	02555	QA	-	1	530	-
301.33	W-1508-1-OS	02556	QA	-	1	1100	-
220.39	W-1508-2-LS	02557	QA	-	1	530	-
312.49	W-1508-2-OS	02558	QA	-	1	1100	-
279.01	W-2008-1-LS	02559	QA	-	1	750	-
398.04	W-2008-1-OS	02560	QA	-	1	1700	-
308.77	W-2008-2-LS	02561	QA	-	1	750	-
406.73	W-2008-2-OS	02562	QA	-	1	1700	-
365.80	W-2508-1-LS	02563	QA	-	1	1000	-
529.50	W-2508-1-OS	02564	QA	-	1	2150	-
376.97	W-2508-2-LS	02565	QA	-	1	1000	-
538.18	W-2508-2-OS	02566	QA	-	1	2150	-
445.18	W-3008-1-LS	02567	QA	-	1	1400	-
624.97	W-3008-1-OS	02568	QA	-	1	2750	-
455.10	W-3008-2-LS	02569	QA	-	1	1400	-
641.09	W-3008-2-OS	02570	QA	-	1	2750	-
545.62	W-3508-1-LS	02571	QA	-	1	2000	-
791.15	W-3508-1-OS	02572	QA	-	1	3800	-
559.26	W-3508-2-LS	02573	QA	-	1	2000	-
802.31	W-3508-2-OS	02574	QA	-	1	3800	-
643.57	W-4008-1-LS	02575	QA	-	1	2450	-
943.68	W-4008-1-OS	02576	QA	-	1	4650	-
652.27	W-4008-2-LS	02577	QA	-	1	2450	-
958.55	W-4008-2-OS	02578	QA	-	1	4650	-
861.82	W-5008-1-LS	02579	QA	-	1	4100	-
1274.77	W-5008-1-OS	02580	QA	-	1	7400	-
876.71	W-5008-2-LS	02581	QA	-	1	4100	-
1287.17	W-5008-2-OS	02582	QA	-	1	7400	-
12.94	WP	02584	V	-	1	-	-
7.07	• WQ-00	56800	PA	-	12	250	A
17.08	• WQ-01	56805	PA	-	4	850	A
72.04	• WQ-05	56810	PA	-	1	4300	A
710.48	• WQ-55	56815	PA	-	1	49000	A
93.48	WSCS-20	02585	SA	-	1	-	-
122.57	WSCS-25	02587	SA	-	1	-	-
143.59	WSCS-30	02588	SA	-	1	-	-
183.42	WSCS-35	02590	SA	-	1	-	-
187.69	WSCS-40	02591	SA	-	1	-	-
236.02	WSCS-45	02593	SA	-	1	-	-
290.17	WSCS-50	02594	SA	-	1	-	-
374.49	WSCS-55	02596	SA	-	1	-	-
447.66	WSCS-70	02597	SA	-	1	-	-
518.34	WSCS-80	02599	SA	-	1	-	-
216.10	WSCS-2025	02586	SA	-	1	1100	-
327.38	WSCS-3035	02589	SA	-	1	1700	-
425.33	WSCS-4045	02592	SA	-	1	2500	-
664.66	WSCS-5055	02595	SA	-	1	3200	-
964.76	WSCS-7080	02598	SA	-	1	6500	-
194.78	WSK-10-113	02611	SA	-	1	1100	-
194.78	WSK-10-138	02612	SA	-	1	1100	-
194.78	WSK-10-68	02613	SA	-	1	1100	-
194.78	WSK-10-88	02614	SA	-	1	1100	-
293.89	WSK-20-166	02648	SA	-	1	1700	-
293.89	WSK-20-193	02649	SA	-	1	1700	-
293.89	WSK-20-213	02650	SA	-	1	1700	-
293.89	WSK-20-250	02651	SA	-	1	1700	-
384.42	WSK-30-263	02664	SA	-	1	2500	-
384.42	WSK-30-288	02665	SA	-	1	2500	-
384.42	WSK-30-313	02666	SA	-	1	2500	-
384.42	WSK-30-350	02667	SA	-	1	2500	-
601.41	WSK-40-366	02673	SA	-	1	3200	-
601.41	WSK-40-380	02674	SA	-	1	3200	-
601.41	WSK-40-410	02675	SA	-	1	3200	-
601.41	WSK-40-450	02676	SA	-	1	3200	-
877.95	WSK-60-480	02684	SA	-	1	6500	-
877.95	WSK-60-506	02685	SA	-	1	6500	-
877.95	WSK-60-530	02686	SA	-	1	6500	-
877.95	WSK-60-563	02687	SA	-	1	6500	-
877.95	WSK-60-610	02688	SA	-	1	6500	-
877.95	WSK-60-663	02689	SA	-	1	6500	-
102.75	WSK-68-25	02693	SA	-	1	-	-
102.75	WSK-88-25	02697	SA	-	1	1100	-
2220.93	WSK-100-1000	02615	SA	-	1	17500	-
2220.93	WSK-100-1075	02616	SA	-	1	17500	-
2220.93	WSK-100-713	02617	SA	-	1	17500	-
2220.93	WSK-100-813	02618	SA	-	1	17500	-
2220.93	WSK-100-863	02619	SA	-	1	17500	-
2220.93	WSK-100-913	02620	SA	-	1	17500	-
2220.93	WSK-100-943	02621	SA	-	1	17500	-
102.75	WSK-113-25	02626	SA	-	1	-	-
102.75	WSK-138-25	02632	SA	-	1	-	-
2911.62	WSK-140-1113	02633	SA	-	1	22500	-
2911.62	WSK-140-1150	02634	SA	-	1	22500	-
2911.62	WSK-140-1200	02635	SA	-	1	22500	-
2911.62	WSK-140-1275	02636	SA	-	1	22500	-
2911.62	WSK-140-1331	02637	SA	-	1	22500	-
2911.62	WSK-140-1350	02638	SA	-	1	22500	-
2911.62	WSK-140-1413	02639	SA	-	1	22500	-
152.13	WSK-166-35	02642	SA	-	1	-	-
5396.69	WSK-180-1600	02643	SA	-	1	37000	-
5396.69	WSK-180-1800	02644	SA	-	1	37000	-
152.13	WSK-193-35	02646	SA	-	1	-	-
152.13	WSK-213-35	02654	SA	-	1	-	-
152.13	WSK-250-35	02661	SA	-	1	-	-
196.22	WSK-263-45	02662	SA	-	1	-	-
196.22	WSK-288-45	02663	SA	-	1	-	-
196.22	WSK-313-45	02669	SA	-	1	-	-
196.22	WSK-350-45	02670	SA	-	1	-	-
312.49	WSK-366-55	02671	SA	-	1	-	-
312.49	WSK-380-55	02672	SA	-	1	-	-
312.49	WSK-410-55	02678	SA	-	1	-	-
312.49	WSK-450-55	02679	SA	-	1	-	-
431.53	WSK-480-80	02680	SA	-	1	-	-
431.53	WSK-506-80	02681	SA	-	1	-	-
431.53	WSK-530-80	02682	SA	-	1	-	-
431.53	WSK-563-80	02683	SA	-	1	-	-
431.53	WSK-610-80	02691	SA	-	1	-	-
431.53	WSK-663-80	02692	SA	-	1	-	-
1109.85	WSK-713-120	13782	SA	-	1	-	-

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1109.84	WSK-813-120	02695	SA	-	1	-	-
1109.84	WSK-863-120	02696	SA	-	1	-	-
1109.84	WSK-913-120	02698	SA	-	1	-	-
1109.84	WSK-943-120	02699	SA	-	1	-	-
1109.84	WSK-1000-120	02622	SA	-	1	-	-
93.25	WSK-1020	02623	SA	-	1	1100	-
1109.84	WSK-1075-120	02624	SA	-	1	-	-
1478.13	WSK-1113-160	02625	SA	-	1	-	-
1478.13	WSK-1150-160	02627	SA	-	1	-	-
1478.13	WSK-1200-160	02628	SA	-	1	-	-
1478.13	WSK-1275-160	02629	SA	-	1	-	-
1478.13	WSK-1331-160	02630	SA	-	1	-	-
1478.13	WSK-1350-160	02631	SA	-	1	-	-
1478.13	WSK-1413-160	02640	SA	-	1	-	-
2754.14	WSK-1600-200	02641	SA	-	1	-	-
2754.14	WSK-1800-200	02645	SA	-	1	-	-
143.59	WSK-2030	02653	SA	-	1	1700	-
187.69	WSK-3040	02668	SA	-	1	2500	-
290.17	WSK-4050	02677	SA	-	1	3200	-
445.18	WSK-6070	02690	SA	-	1	6500	-
9.89	X17	52102	AA	5	25	146	A
11.20	X17-SA	89070	AA	5	25	48	A
11.63	X27	52112	AA	2	10	202	A
13.55	X27-SA	89071	AA	2	10	68	A
15.99	X37	52122	AA	2	10	255	A
18.68	X37-SA	89072	AA	2	10	85	A
22.44	X47	52132	AA	2	10	370	A
9.79	X-50	57100	AB	10	50	90	A
7.15	X-50A	57101	AC	10	50	34	A
28.16	X57	52142	AA	2	10	420	A
50.02	X67	52152	AA	1	5	650	A
11.42	X-75	57110	AB	5	25	128	A
9.61	X-75A	57111	AC	5	25	49	A
15.90	X-100	57120	AB	5	25	176	A
13.41	X-100A	57121	AC	5	25	67	A
22.42	X-125	57130	AB	2	10	350	A
19.97	X-125A	57131	AC	2	10	133	A
28.86	X-150	57140	AB	1	5	412	A
25.55	X-150A	57141	AC	1	5	156	A
49.97	X-200	57150	AB	1	5	719	A
44.30	X-200A	57151	AC	1	5	273	A
28.71	XE32	00000	W	-	1	200	-
31.92	XE35	00000	W	-	1	200	-
180.02	XE200	00000	W	-	1	800	-
44.53	XE307	00000	W	-	1	500	-
11.96	XE317	00000	W	-	1	50	-
85.67	XED50	00000	W	-	1	500	-
86.89	XED75	00000	W	-	1	500	-
278.79	XED200GG	00000	W	-	1	1350	-
266.82	XED200GL	00000	W	-	1	1300	-
24.57	XEP50	00000	W	-	1	150	-
25.53	XEP75	00000	W	-	1	150	-
217.52	XEP200GG	00000	W	-	1	1000	-
205.56	XEP200GL	00000	W	-	1	950	-
100.89	XEW50	00000	W	-	1	900	-
100.89	XEW75	00000	W	-	1	900	-
100.89	XEW100	00000	W	-	1	900	-
292.89	XEW200GG	00000	W	-	1	1750	-
280.92	XEW200GL	00000	W	-	1	1700	-
64.74	XEX50	00000	W	-	1	500	-
67.32	XEX75	00000	W	-	1	500	-
259.31	XEX200GG	00000	W	-	1	1350	-
247.34	XEX200GL	00000	W	-	1	1300	-

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994.40	XF22CF1EL	00000	W	-	1	3800	-
1012.35	XF22CF25EL	00000	W	-	1	3800	-
994.40	XF22CF4EL	00000	W	-	1	3800	-
1521.81	XF24T81EL	00000	W	-	1	5000	-
1521.81	XF24T825EL	00000	W	-	1	5000	-
1521.81	XF24T84EL	00000	W	-	1	5000	-
2279.62	XF44CF1EL	00000	W	-	1	11600	-
2315.49	XF44CF25EL	00000	W	-	1	11600	-
2279.62	XF44CF4EL	00000	W	-	1	11600	-
2913.98	XF44T81EL	00000	W	-	1	11600	-
2949.86	XF44T825EL	00000	W	-	1	11600	-
2913.98	XF44T84EL	00000	W	-	1	11600	-
1583.87	XF24431ES	00000	W	-	1	5000	-
1521.81	XF244325ES	00000	W	-	1	5000	-
1503.87	XF24434ES	00000	W	-	1	5000	-
1776.81	XF24801ES	00000	W	-	1	5000	-
1812.68	XF248025ES	00000	W	-	1	5000	-
1776.81	XF24804ES	00000	W	-	1	5000	-
2878.12	XF44431ES	00000	W	-	1	11600	-
2913.98	XF444325ES	00000	W	-	1	11600	-
2878.12	XF44434ES	00000	W	-	1	11600	-
3424.18	XF44801ES	00000	W	-	1	11600	-
3460.05	XF448025ES	00000	W	-	1	11600	-
3424.18	XF44804ES	00000	W	-	1	11600	-
54.31	XFG2	00000	W	-	1	500	-
108.61	XFG4	00000	W	-	1	800	-
147.13	XFP4	00000	W	-	1	400	-
10.66	XL-011	57302	LA	100	500	12	-
14.18	XL-012	57304	LA	100	500	14	-
7.09	XL-041	57300	LA	100	500	5	-
16.80	XL-221	57306	LA	50	200	19	-
19.80	XL-222	57308	LA	50	200	23	-
22.79	XL-241	57310	LA	10	50	33	-
26.53	XL-242	57312	LA	10	50	38	-
28.76	XL-301	57314	LA	20	100	44	-
35.25	XL-302	57316	LA	20	100	51	-
44.22	XL-501	57318	LA	10	50	70	-
50.71	XL-502	57320	LA	10	50	75	-
77.09	XL-751	57322	LA	10	50	130	-
83.37	XL-752	57324	LA	10	50	140	-
89.03	XL-921	57326	LA	10	50	170	-
98.98	XL-922	57328	LA	10	50	180	-
10.66	XLH-011	57400	LA	100	500	12	-
14.18	XLH-012	57402	LA	100	500	14	-
16.80	XLH-221	57404	LA	-	50	19	-
19.80	XLH-222	57406	LA	50	200	23	-
22.79	XLH-241	57408	LA	10	50	33	-
26.53	XLH-242	57410	LA	10	50	38	-
28.76	XLH-301	57412	LA	20	100	44	-
35.25	XLH-302	57414	LA	20	100	51	-
44.22	XLH-501	57416	LA	10	50	70	-
50.71	XLH-502	57418	LA	10	50	75	-
77.09	XLH-751	57420	LA	10	50	130	-
83.37	XLH-752	57422	LA	10	50	140	-
89.03	XLH-921	57424	LA	10	50	170	-
98.98	XLH-922	57426	LA	10	50	180	-
53.87	XM44	12581		-	1	300	-
53.87	XM45	12597		-	1	300	-
584.06	XM50LX127	83575		-	1	3100	-
53.87	XM57	12502		-	1	300	-
610.31	XM70LX480	83588		-	1	3300	-
610.31	XM70LXMTB	83576		-	1	3300	-
636.55	XM100LX480	83589		-	1	3300	-

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EGS O-Z/GEDNEY

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636.55	XM100LXMTB	83577		-	1	3300	-
451.16	XM100MM480	83593		-	1	3200	-
451.16	XM100MMMTB	83581		-	1	3200	-
659.53	XM150LX480	83590		-	1	3300	-
659.53	XM150LXMTB	83578		-	1	3300	-
556.15	XM175MA480	83597		-	1	3300	-
556.15	XM175MAMTB	83585		-	1	3300	-
470.85	XM175MM480	83594		-	1	3300	-
470.85	XM175MMMTB	83582		-	1	3300	-
738.26	XM250LX480	83591		-	1	4000	-
738.26	XM250LXMTB	83579		-	1	4000	-
690.70	XM250MA480	83598		-	1	3800	-
690.70	XM250MAMTB	83586		-	1	3800	-
515.12	XM250MM480	83595		-	1	3800	-
515.12	XM250MMMTB	83583		-	1	3800	-
872.78	XM400LX480	83592		-	1	4500	-
872.78	XM400LXMTB	83580		-	1	4500	-
739.89	XM400MA480	83599		-	1	4500	-
739.89	XM400MAMTB	83587		-	1	4500	-
674.29	XM400MM480	83596		-	1	4500	-
674.29	XM400MMMTB	83584		-	1	4500	-
173.89	XM407	83607		-	1	1200	-
22.98	XM417	83605		-	1	100	-
36.10	XM518	83606		-	1	200	-
219.83	XM607	83608		-	1	1500	-
790.79	XMD100LXGG480	83197		-	1	3600	-
790.79	XMD100LXGGMTB	83038		-	1	3600	-
767.81	XMD100LXGL480	83198		-	1	3500	-
767.81	XMD100LXGLMTB	83039		-	1	3500	-
605.41	XMD100MMGG480	83253		-	1	3500	-
605.41	XMD100MMGGMTB	83093		-	1	3500	-
582.42	XMD100MMGL480	83254		-	1	3400	-
582.42	XMD100MMGLMTB	83094		-	1	3400	-
131.26	XMD150	83604		-	1	200	-
813.78	XMD150LXGG480	83211		-	1	3600	-
813.78	XMD150LXGGMTB	83052		-	1	3600	-
790.79	XMD150LXGL480	83212		-	1	3500	-
790.79	XMD150LXGLMTB	83053		-	1	3500	-
710.39	XMD175MAGG480	83309		-	1	3600	-
710.39	XMD175MAGGMTB	83146		-	1	3600	-
687.41	XMD175MAGL480	83310		-	1	3500	-
687.41	XMD175MAGLMTB	83147		-	1	3500	-
625.10	XMD175MMGG480	83267		-	1	3600	-
625.10	XMD175MMGGMTB	83107		-	1	3600	-
602.12	XMD175MMGL480	83268		-	1	3500	-
602.12	XMD175MMGLMTB	83108		-	1	3500	-
905.62	XMD250LXGG480	83225		-	1	4400	-
905.62	XMD250LXGGMTB	83066		-	1	4400	-
869.54	XMD250LXGL480	83226		-	1	4200	-
869.54	XMD250LXGLMTB	83067		-	1	4200	-
844.93	XMD250MAGG480	83323		-	1	4100	-
844.93	XMD250MAGGMTB	83158		-	1	4100	-
821.96	XMD250MAGL480	83324		-	1	4000	-
821.96	XMD250MAGLMTB	83159		-	1	4000	-
669.38	XMD250MMGG480	83281		-	1	4100	-
669.38	XMD250MMGGMTB	83121		-	1	4100	-
646.39	XMD250MMGL480	83282		-	1	4000	-
646.39	XMD250MMGLMTB	83122		-	1	4000	-
1040.14	XMD400LXGG480	83239		-	1	4900	-
1040.14	XMD400LXGGMTB	83079		-	1	4900	-
1004.04	XMD400LXGL480	83240		-	1	4700	-
1004.04	XMD400LXGLMTB	83080		-	1	4700	-
907.25	XMD400MAGG480	83337		-	1	4900	-

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
987.25	XMD400MAGGMTB	12584		-	1	4900	-
871.15	XMD400MAGL480	83338		-	1	4700	-
871.15	XMD400MAGLMTB	83170		-	1	4700	-
841.64	XMD400MMGG480	83295		-	1	4900	-
841.64	XMD400MMGGMTB	83134		-	1	4900	-
805.56	XMD400MMGL480	83296		-	1	4700	-
805.56	XMD400MMGLMTB	83135		-	1	4700	-
738.29	XMD50LXGG127	83012		-	1	3400	-
715.32	XMD50LXGL127	83013		-	1	3300	-
764.54	XMD70LXGG480	83183		-	1	3600	-
764.54	XMD70LXGGMTB	83026		-	1	3600	-
741.57	XMD70LXGL480	83184		-	1	3500	-
741.57	XMD70LXGLMTB	83027		-	1	3500	-
491.68	XMM35LX120	83610		-	1	2800	-
39.85	XMM44	83626		-	1	300	-
37.39	XMM45	83627		-	1	300	-
585.96	XMM50LXMTB	83611		-	1	2800	-
517.83	XMM70LX480	83619		-	1	2800	-
517.83	XMM70LXMTB	83612		-	1	2800	-
424.27	XMM70MAMTB	83616		-	1	2800	-
528.15	XMM100LX480	83620		-	1	2900	-
528.15	XMM100LXMTB	83613		-	1	2900	-
473.43	XMM100MAMTB	83617		-	1	2900	-
392.56	XMM100MM480	83622		-	1	2900	-
392.56	XMM100MMMTB	83615		-	1	2900	-
539.28	XMM150LX480	83621		-	1	3000	-
539.28	XMM150LXMTB	83614		-	1	3000	-
499.61	XMM175MA480	83623		-	1	2900	-
499.61	XMM175MAMTB	83618		-	1	2900	-
106.07	XMM407	83624		-	1	800	-
22.98	XMM417	83625		-	1	100	-
682.40	XMMD100LXGG480	83526		-	1	3200	-
682.40	XMMD100LXGGMTB	83428		-	1	3200	-
659.42	XMMD100LXGL480	83527		-	1	3100	-
659.42	XMMD100LXGLMTB	83429		-	1	3100	-
627.67	XMMD100MAGGMTB	83470		-	1	3200	-
604.69	XMMD100MAGLMTB	83471		-	1	3100	-
546.80	XMMD100MMGG480	83568		-	1	3200	-
546.80	XMMD100MMGGMTB	83498		-	1	3200	-
523.83	XMMD100MMGL480	83569		-	1	3100	-
523.83	XMMD100MMGLMTB	83499		-	1	3100	-
693.52	XMMD150LXGG480	83540		-	1	3300	-
693.52	XMMD150LXGGMTB	83442		-	1	3300	-
670.53	XMMD150LXGL480	83541		-	1	3200	-
670.53	XMMD150LXGLMTB	83443		-	1	3200	-
653.85	XMMD175MAGG480	83554		-	1	3200	-
653.85	XMMD175MAGGMTB	83484		-	1	3200	-
630.88	XMMD175MAGL480	83555		-	1	3100	-
630.88	XMMD175MAGLMTB	83485		-	1	3100	-
645.93	XMMD35LXGG120	83386		-	1	3100	-
622.95	XMMD35LXGL120	83387		-	1	3000	-
660.21	XMMD50LXGGMTB	83400		-	1	3100	-
637.22	XMMD50LXGLMTB	83401		-	1	3000	-
672.09	XMMD70LXGG480	83512		-	1	3100	-
672.09	XMMD70LXGGMTB	83414		-	1	3100	-
649.10	XMMD70LXGL480	83513		-	1	3000	-
649.10	XMMD70LXGLMTB	83415		-	1	3000	-
578.51	XMMD70MAGGMTB	83456		-	1	3100	-
555.53	XMMD70MAGLMTB	83457		-	1	3000	-
623.29	XMMP100LXGG1480	83514		-	1	3200	-
623.29	XMMP100LXGG1MTB	83416		-	1	3200	-
621.69	XMMP100LXGG480	83516		-	1	3200	-
621.69	XMMP100LXGGMTB	83418		-	1	3200	-

EGS O-Z/GEDNEY

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
690.33	XMMP100LXGL1480	83515		-	1	3100	-
668.33	XMMP100LXGL1MTB	83417		-	1	3100	-
598.71	XMMP100LXGL480	83517		-	1	3100	-
598.71	XMMP100LXGLMTB	83419		-	1	3100	-
568.58	XMMP100MAGG1MTB	83458		-	1	3200	-
566.96	XMMP100MAGGMTB	83460		-	1	3200	-
545.60	XMMP100MAGL1MTB	83459		-	1	3100	-
543.98	XMMP100MAGLMTB	83461		-	1	3100	-
487.71	XMMP100MMGG148	83556		-	1	3200	-
487.71	XMMP100MMGG1MTB	83486		-	1	3200	-
486.10	XMMP100MMGG480	83558		-	1	3200	-
486.10	XMMP100MMGGMTB	83488		-	1	3200	-
464.74	XMMP100MMGL148	83557		-	1	3100	-
464.74	XMMP100MMGL1MTB	83487		-	1	3100	-
463.11	XMMP100MMGL480	83559		-	1	3100	-
463.11	XMMP100MMGLMTB	83489		-	1	3100	-
634.43	XMMP150LXGG1480	83528		-	1	3300	-
634.43	XMMP150LXGG1MTB	83430		-	1	3300	-
632.81	XMMP150LXGG480	83530		-	1	3300	-
632.81	XMMP150LXGGMTB	83432		-	1	3300	-
611.44	XMMP150LXGL1480	83529		-	1	3200	-
611.44	XMMP150LXGL1MTB	83431		-	1	3200	-
609.83	XMMP150LXGL480	83531		-	1	3200	-
609.83	XMMP150LXGLMTB	83433		-	1	3200	-
594.76	XMMP175MAGG148	83542		-	1	3200	-
594.76	XMMP175MAGG1MTB	83472		-	1	3200	-
593.15	XMMP175MAGG480	83544		-	1	3200	-
593.15	XMMP175MAGGMTB	83474		-	1	3200	-
571.78	XMMP175MAGL148	83543		-	1	3100	-
571.78	XMMP175MAGL1MTB	83473		-	1	3100	-
570.17	XMMP175MAGL480	83545		-	1	3100	-
570.17	XMMP175MAGLMTB	83475		-	1	3100	-
586.84	XMMP35LXGG1120	83374		-	1	3100	-
585.22	XMMP35LXGG120	83376		-	1	3100	-
563.85	XMMP35LXGL1120	83375		-	1	3000	-
562.25	XMMP35LXGL120	83377		-	1	3000	-
601.12	XMMP50LXGG1MTB	83388		-	1	3100	-
599.49	XMMP50LXGGMTB	83390		-	1	3100	-
578.13	XMMP50LXGL1MTB	83389		-	1	3000	-
576.51	XMMP50LXGLMTB	83391		-	1	3000	-
612.99	XMMP70LXGG1480	83500		-	1	3100	-
612.99	XMMP70LXGG1MTB	83402		-	1	3100	-
611.37	XMMP70LXGG480	83502		-	1	3100	-
611.37	XMMP70LXGGMTB	83404		-	1	3100	-
590.00	XMMP70LXGL1480	83501		-	1	3000	-
590.00	XMMP70LXGL1MTB	83403		-	1	3000	-
588.40	XMMP70LXGL480	83503		-	1	3000	-
588.40	XMMP70LXGLMTB	83405		-	1	3000	-
519.42	XMMP70MAGG1MTB	83444		-	1	3100	-
517.80	XMMP70MAGGMTB	83446		-	1	3100	-
496.44	XMMP70MAGL1MTB	83445		-	1	3000	-
494.83	XMMP70MAGLMTB	83447		-	1	3000	-
698.79	XMMW100LXGG148	83522		-	1	3600	-
698.79	XMMW100LXGG1MTB	83424		-	1	3600	-
698.79	XMMW100LXGG480	83524		-	1	3600	-
698.79	XMMW100LXGGMTB	83426		-	1	3600	-
675.81	XMMW100LXGL148	83523		-	1	3500	-
675.81	XMMW100LXGL1MTB	83425		-	1	3500	-
675.81	XMMW100LXGL480	83525		-	1	3500	-
675.81	XMMW100LXGLMTB	83427		-	1	3500	-
644.08	XMMW100MAGG1MTB	83466		-	1	3600	-
644.08	XMMW100MAGGMTB	83468		-	1	3600	-
621.99	XMMW100MAGL1MTB	83467		-	1	3500	-
621.99	XMMW100MAGLMTB	83469		-	1	3500	-
563.20	XMMW100MMGG148	83564		-	1	3600	-
563.20	XMMW100MMGG1MTB	83494		-	1	3600	-
563.20	XMMW100MMGG480	83566		-	1	3600	-
563.20	XMMW100MMGGMTB	83496		-	1	3600	-
540.22	XMMW100MMGL148	83565		-	1	3500	-
540.22	XMMW100MMGL1MTB	83495		-	1	3500	-
540.22	XMMW100MMGL480	83567		-	1	3500	-
540.22	XMMW100MMGLMTB	83497		-	1	3500	-
709.92	XMMW150LXGG148	83536		-	1	3700	-
709.92	XMMW150LXGG1MTB	83438		-	1	3700	-
709.92	XMMW150LXGG480	83538		-	1	3700	-
709.92	XMMW150LXGGMTB	83440		-	1	3700	-
686.94	XMMW150LXGL148	83537		-	1	3600	-
686.94	XMMW150LXGL1MTB	83439		-	1	3600	-
686.94	XMMW150LXGL480	83539		-	1	3600	-
686.94	XMMW150LXGLMTB	83441		-	1	3600	-
670.25	XMMW175MAGG148	83550		-	1	3600	-
670.25	XMMW175MAGG1MTB	83480		-	1	3600	-
670.25	XMMW175MAGG480	83552		-	1	3600	-
670.25	XMMW175MAGGMTB	83482		-	1	3600	-
647.27	XMMW175MAGL148	83551		-	1	3500	-
647.27	XMMW175MAGL1MTB	83481		-	1	3500	-
647.27	XMMW175MAGL480	83553		-	1	3500	-
647.27	XMMW175MAGLMTB	83483		-	1	3500	-
662.33	XMMW35LXGG1120	83382		-	1	3500	-
662.33	XMMW35LXGG120	83384		-	1	3500	-
639.35	XMMW35LXGL1120	83383		-	1	3400	-
639.35	XMMW35LXGL120	83385		-	1	3400	-
676.69	XMMW50LXGG1MTB	83396		-	1	3500	-
676.69	XMMW50LXGGMTB	83398		-	1	3500	-
653.62	XMMW50LXGL1MTB	83397		-	1	3400	-
653.62	XMMW50LXGLMTB	83399		-	1	3400	-
688.47	XMMW70LXGG1480	83508		-	1	3500	-
688.47	XMMW70LXGG1MTB	83410		-	1	3500	-
688.47	XMMW70LXGG480	83510		-	1	3500	-
688.47	XMMW70LXGGMTB	83412		-	1	3500	-
665.58	XMMW70LXGL1480	83509		-	1	3400	-
665.58	XMMW70LXGL1MTB	83411		-	1	3400	-
665.58	XMMW70LXGL480	83511		-	1	3400	-
665.58	XMMW70LXGLMTB	83413		-	1	3400	-
584.61	XMMW70MAGG1MTB	83452		-	1	3500	-
584.61	XMMW70MAGGMTB	83454		-	1	3500	-
571.94	XMMW70MAGL1MTB	83453		-	1	3400	-
571.94	XMMW70MAGLMTB	83455		-	1	3400	-
657.79	XMMX100LXGG1480	83518		-	1	3400	-
657.79	XMMX100LXGG1MTB	83420		-	1	3400	-
657.79	XMMX100LXGG480	83520		-	1	3400	-
657.79	XMMX100LXGGMTB	83422		-	1	3400	-
634.81	XMMX100LXGL1480	83519		-	1	3300	-
634.81	XMMX100LXGL1MTB	83421		-	1	3300	-
634.81	XMMX100LXGL480	83521		-	1	3300	-
634.81	XMMX100LXGLMTB	83423		-	1	3300	-
663.97	XMMX100MAGG1MTB	83462		-	1	3400	-
663.97	XMMX100MAGGMTB	83464		-	1	3400	-
588.10	XMMX100MAGL1MTB	83463		-	1	3300	-
588.10	XMMX100MAGLMTB	83465		-	1	3300	-
522.19	XMMX100MMGG148	83560		-	1	3400	-
522.19	XMMX100MMGG1MTB	83490		-	1	3400	-
522.19	XMMX100MMGG480	83562		-	1	3400	-
522.19	XMMX100MMGGMTB	83492		-	1	3400	-
499.22	XMMX100MMGL148	083561		-	1	3300	-
499.22	XMMX100MMGL1MTB	83491		-	1	3300	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
499.22	XMMX100MMGL480	83563		-	1	3300	-
499.22	XMMX100MMGLMTB	83493		-	1	3300	-
668.91	XMMX150LXGG1480	83532		-	1	3500	-
668.91	XMMX150LXGG1MTB	83434		-	1	3500	-
668.91	XMMX150LXGG480	83534		-	1	3500	-
668.91	XMMX150LXGGMTB	83436		-	1	3500	-
645.93	XMMX150LXGL1480	83533		-	1	3400	-
645.93	XMMX150LXGL1MTB	83435		-	1	3400	-
645.93	XMMX150LXGL480	83535		-	1	3400	-
645.93	XMMX150LXGLMTB	83437		-	1	3400	-
629.25	XMMX175MAGG1480	83546		-	1	3400	-
629.25	XMMX175MAGG1MTB	83476		-	1	3400	-
629.25	XMMX175MAGG480	83548		-	1	3400	-
629.25	XMMX175MAGGMTB	83478		-	1	3400	-
606.26	XMMX175MAGL1480	83547		-	1	3300	-
606.26	XMMX175MAGL1MTB	83477		-	1	3300	-
606.26	XMMX175MAGL480	83549		-	1	3300	-
606.26	XMMX175MAGLMTB	83479		-	1	3300	-
621.33	XMMX35LXGG1120	83378		-	1	3300	-
621.33	XMMX35LXGG120	83380		-	1	3300	-
598.34	XMMX35LXGL1120	83379		-	1	3200	-
598.34	XMMX35LXGL120	83381		-	1	3200	-
635.60	XMMX50LXGG1MTB	83392		-	1	3300	-
635.60	XMMX50LXGGMTB	83394		-	1	3300	-
612.61	XMMX50LXGL1MTB	83393		-	1	3200	-
612.61	XMMX50LXGLMTB	83395		-	1	3200	-
647.48	XMMX70LXGG1480	83504		-	1	3300	-
647.48	XMMX70LXGG1MTB	83406		-	1	3300	-
647.48	XMMX70LXGG480	83506		-	1	3300	-
647.48	XMMX70LXGGMTB	83408		-	1	3300	-
624.49	XMMX70LXGL1480	83505		-	1	3200	-
624.49	XMMX70LXGL1MTB	83407		-	1	3200	-
624.49	XMMX70LXGL480	83507		-	1	3200	-
624.49	XMMX70LXGLMTB	83409		-	1	3200	-
553.91	XMMX70MAGG1MTB	83448		-	1	3300	-
553.91	XMMX70MAGGMTB	83450		-	1	3300	-
538.92	XMMX70MAGL1MTB	83449		-	1	3200	-
538.92	XMMX70MAGLMTB	83451		-	1	3200	-
70.56	XMP75	12598		-	1	200	-
72.17	XMP100	12599		-	1	200	-
731.78	XMP100LXGG1480	83185		-	1	3600	-
731.78	XMP100LXGG1MTB	83028		-	1	3600	-
736.08	XMP100LXGG480	83187		-	1	3600	-
730.08	XMP100LXGGMTB	83029		-	1	3600	-
708.72	XMP100LXGL1480	83186		-	1	3500	-
708.72	XMP100LXGL1MTB	12596		-	1	3500	-
707.12	XMP100LXGL480	83188		-	1	3500	-
707.12	XMP100LXGLMTB	83030		-	1	3500	-
546.32	XMP100MMGG1480	83241		-	1	3500	-
546.32	XMP100MMGG1MTB	83081		-	1	3500	-
544.69	XMP100MMGG480	83243		-	1	3500	-
544.69	XMP100MMGGMTB	83083		-	1	3500	-
523.33	XMP100MMGL1480	83242		-	1	3400	-
523.33	XMP100MMGL1MTB	83082		-	1	3400	-
521.72	XMP100MMGL480	83244		-	1	3400	-
521.72	XMP100MMGLMTB	83084		-	1	3400	-
754.69	XMP150LXGG1480	83199		-	1	3600	-
754.69	XMP150LXGG1MTB	83040		-	1	3600	-
753.06	XMP150LXGG480	83201		-	1	3600	-
753.06	XMP150LXGGMTB	83042		-	1	3600	-
731.70	XMP150LXGL1480	83200		-	1	3500	-
731.70	XMP150LXGL1MTB	83041		-	1	3500	-
730.08	XMP150LXGL480	83202		-	1	3500	-
730.08	XMP150LXGLMTB	83043		-	1	3500	-
651.30	XMP175MAGG1480	83297		-	1	3600	-
651.30	XMP175MAGG1MTB	83136		-	1	3600	-
649.68	XMP175MAGG480	83299		-	1	3600	-
649.68	XMP175MAGGMTB	83138		-	1	3600	-
628.32	XMP175MAGL1480	83298		-	1	3500	-
628.32	XMP175MAGL1MTB	83137		-	1	3500	-
626.71	XMP175MAGL480	83300		-	1	3500	-
626.71	XMP175MAGLMTB	83139		-	1	3500	-
566.01	XMP175MMGG1480	83255		-	1	3600	-
566.01	XMP175MMGG1MTB	83095		-	1	3600	-
564.39	XMP175MMGG480	83257		-	1	3600	-
564.39	XMP175MMGGMTB	83097		-	1	3600	-
543.03	XMP175MMGL1480	83256		-	1	3500	-
543.03	XMP175MMGL1MTB	83096		-	1	3500	-
541.42	XMP175MMGL480	83258		-	1	3500	-
541.42	XMP175MMGLMTB	83098		-	1	3500	-
846.53	XMP250LXGG1480	83213		-	1	4400	-
846.53	XMP250LXGG1MTB	83054		-	1	4400	-
844.91	XMP250LXGG480	83215		-	1	4400	-
844.91	XMP250LXGGMTB	83056		-	1	4400	-
810.43	XMP250LXGL1480	83214		-	1	4200	-
810.43	XMP250LXGL1MTB	83055		-	1	4200	-
808.82	XMP250LXGL480	83216		-	1	4200	-
808.82	XMP250LXGLMTB	83057		-	1	4200	-
785.84	XMP250MAGG1480	83311		-	1	4100	-
785.84	XMP250MAGG1MTB	83148		-	1	4100	-
784.23	XMP250MAGG480	83313		-	1	4100	-
784.23	XMP250MAGGMTB	12501		-	1	4100	-
762.87	XMP250MAGL1480	83312		-	1	4000	-
762.87	XMP250MAGL1MTB	83149		-	1	4000	-
761.24	XMP250MAGL480	83314		-	1	4000	-
761.24	XMP250MAGLMTB	83150		-	1	4000	-
618.29	XMP250MMGG1480	83269		-	1	4100	-
618.29	XMP250MMGG1MTB	83109		-	1	4100	-
606.66	XMP250MMGG480	83271		-	1	4100	-
606.66	XMP250MMGGMTB	83111		-	1	4100	-
587.38	XMP250MMGL1480	83270		-	1	4000	-
587.38	XMP250MMGL1MTB	83110		-	1	4000	-
585.68	XMP250MMGL480	83272		-	1	4000	-
585.68	XMP250MMGLMTB	83112		-	1	4000	-
981.04	XMP400LXGG1480	83227		-	1	4900	-
981.04	XMP400LXGG1MTB	83068		-	1	4900	-
979.44	XMP400LXGG480	83229		-	1	4900	-
979.44	XMP400LXGGMTB	12561		-	1	4900	-
944.95	XMP400LXGL1480	83228		-	1	4700	-
944.95	XMP400LXGL1MTB	83069		-	1	4700	-
943.34	XMP400LXGL480	83230		-	1	4700	-
943.34	XMP400LXGLMTB	83070		-	1	4700	-
848.16	XMP400MAGG1480	83325		-	1	4900	-
848.16	XMP400MAGG1MTB	83160		-	1	4900	-
846.54	XMP400MAGG480	83327		-	1	4900	-
846.54	XMP400MAGGMTB	12594		-	1	4900	-
812.06	XMP400MAGL1480	83326		-	1	4700	-
812.06	XMP400MAGL1MTB	83161		-	1	4700	-
810.45	XMP400MAGL480	83328		-	1	4700	-
810.45	XMP400MAGLMTB	83162		-	1	4700	-
782.55	XMP400MMGG1480	83283		-	1	4900	-
782.55	XMP400MMGG1MTB	83123		-	1	4900	-
780.94	XMP400MMGG480	83285		-	1	4900	-
780.94	XMP400MMGGMTB	12492		-	1	4900	-
746.47	XMP400MMGL1480	83284		-	1	4700	-
746.47	XMP400MMGL1MTB	83124		-	1	4700	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
744.84	XMP400MMGL480	83286		-	1	4700	-
744.84	XMP400MMGLMTB	83125		-	1	4700	-
679.20	XMP50LXGG1127	83000		-	1	3400	-
677.60	XMP50LXGG127	83002		-	1	3400	-
656.22	XMP50LXGL1127	83001		-	1	3300	-
654.61	XMP50LXGL127	83003		-	1	3300	-
705.45	XMP70LXGG1480	83171		-	1	3600	-
705.45	XMP70LXGG1MTB	83014		-	1	3600	-
703.84	XMP70LXGG480	83173		-	1	3600	-
703.84	XMP70LXGGMTB	83016		-	1	3600	-
682.48	XMP70LXGL1480	83172		-	1	3500	-
682.48	XMP70LXGL1MTB	83015		-	1	3500	-
680.85	XMP70LXGL480	83174		-	1	3500	-
680.85	XMP70LXGLMTB	83017		-	1	3500	-
907.28	XMT150LXGG480	83356		-	1	4000	-
907.28	XMT150LXGGMTB	83339		-	1	4000	-
884.29	XMT150LXGL480	83357		-	1	3900	-
884.29	XMT150LXGLMTB	83340		-	1	3900	-
667.73	XMT175MAGG480	83362		-	1	4000	-
667.73	XMT175MAGGMTB	83345		-	1	4000	-
644.76	XMT175MAGL480	83363		-	1	3900	-
644.76	XMT175MAGLMTB	83346		-	1	3900	-
623.45	XMT175MMGG480	83368		-	1	4000	-
623.45	XMT175MMGGMTB	83350		-	1	4000	-
600.47	XMT175MMGL480	83369		-	1	3900	-
600.47	XMT175MMGLMTB	83351		-	1	3900	-
1068.76	XMT250LXGG480	83358		-	1	4900	-
1068.76	XMT250LXGGMTB	83341		-	1	4900	-
964.66	XMT250LXGL480	83359		-	1	4700	-
964.66	XMT250LXGLMTB	83342		-	1	4700	-
867.88	XMT250MAGG480	83364		-	1	4500	-
867.88	XMT250MAGGMTB	83347		-	1	4500	-
844.90	XMT250MAGL480	83365		-	1	4400	-
844.90	XMT250MAGLMTB	83348		-	1	4400	-
674.30	XMT250MMGG480	83370		-	1	4500	-
674.30	XMT250MMGGMTB	83352		-	1	4500	-
651.32	XMT250MMGL480	83371		-	1	4400	-
651.32	XMT250MMGLMTB	83353		-	1	4400	-
1062.29	XMT400LXGG480	83360		-	1	5400	-
1062.29	XMT400LXGGMTB	83343		-	1	5400	-
1026.20	XMT400LXGL480	83361		-	1	5200	-
1026.20	XMT400LXGLMTB	83344		-	1	5200	-
930.22	XMT400MAGG480	83366		-	1	5400	-
930.22	XMT400MAGGMTB	12582		-	1	5400	-
894.14	XMT400MAGL480	83367		-	1	5200	-
894.14	XMT400MAGLMTB	83349		-	1	5200	-
948.62	XMT400MMGG480	83372		-	1	5400	-
948.62	XMT400MMGGMTB	83354		-	1	5400	-
910.53	XMT400MMGL480	83373		-	1	5200	-
910.53	XMT400MMGLMTB	83355		-	1	5200	-
754.70	XMW50LXGG1127	83008		-	1	3800	-
754.70	XMW50LXGG127	83010		-	1	3800	-
731.71	XMW50LXGL1127	83009		-	1	3700	-
731.71	XMW50LXGL127	83011		-	1	3700	-
788.94	XMW70LXGG1480	83179		-	1	4000	-
788.94	XMW70LXGG1MTB	83022		-	1	4000	-
788.94	XMW70LXGG480	83181		-	1	4000	-
788.94	XMW70LXGGMTB	83024		-	1	4000	-
757.97	XMW70LXGL1480	83180		-	1	3900	-
757.97	XMW70LXGL1MTB	83023		-	1	3900	-
757.97	XMW70LXGL480	83182		-	1	3900	-
757.97	XMW70LXGLMTB	83025		-	1	3900	-
147.66	XMW75	83602		-	1	600	-

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
147.66	XMW100	83603		-	1	600	-
867.19	XMW100LXGG1480	83193		-	1	4000	-
867.19	XMW100LXGG1MTB	83035		-	1	4000	-
867.19	XMW100LXGG480	83195		-	1	4000	-
867.19	XMW100LXGGMTB	83037		-	1	4000	-
784.22	XMW100LXGL1480	83194		-	1	3900	-
784.22	XMW100LXGL1MTB	83036		-	1	3900	-
784.22	XMW100LXGL480	83196		-	1	3900	-
784.22	XMW100LXGLMTB	12593		-	1	3900	-
821.80	XMW100MMGG1480	83249		-	1	3900	-
821.80	XMW100MMGG1MTB	83089		-	1	3900	-
821.80	XMW100MMGG480	83251		-	1	3900	-
821.80	XMW100MMGGMTB	83091		-	1	3900	-
598.82	XMW100MMGL1480	83250		-	1	3800	-
598.82	XMW100MMGL1MTB	83090		-	1	3800	-
598.82	XMW100MMGL480	83252		-	1	3800	-
598.82	XMW100MMGLMTB	83092		-	1	3800	-
830.18	XMW150LXGG1480	83207		-	1	4000	-
830.18	XMW150LXGG1MTB	83048		-	1	4000	-
830.18	XMW150LXGG480	83209		-	1	4000	-
830.18	XMW150LXGGMTB	83050		-	1	4000	-
807.19	XMW150LXGL1480	83208		-	1	3900	-
807.19	XMW150LXGL1MTB	83049		-	1	3900	-
807.19	XMW150LXGL480	83210		-	1	3900	-
807.19	XMW150LXGLMTB	83051		-	1	3900	-
726.79	XMW175MAGG1480	83305		-	1	4000	-
726.79	XMW175MAGG1MTB	83143		-	1	4000	-
726.79	XMW175MAGG480	83307		-	1	4000	-
726.79	XMW175MAGGMTB	12633		-	1	4000	-
703.82	XMW175MAGL1480	83306		-	1	3900	-
703.82	XMW175MAGL1MTB	83144		-	1	3900	-
703.82	XMW175MAGL480	83308		-	1	3900	-
703.82	XMW175MAGLMTB	83145		-	1	3900	-
641.49	XMW175MMGG1480	83263		-	1	4000	-
641.49	XMW175MMGG1MTB	83103		-	1	4000	-
641.49	XMW175MMGG480	83265		-	1	4000	-
641.49	XMW175MMGGMTB	83105		-	1	4000	-
618.53	XMW175MMGL1480	83264		-	1	3900	-
618.53	XMW175MMGL1MTB	83104		-	1	3900	-
618.53	XMW175MMGL480	83266		-	1	3900	-
618.53	XMW175MMGLMTB	83106		-	1	3900	-
922.01	XMW250LXGG1480	83221		-	1	4800	-
922.01	XMW250LXGG1MTB	83062		-	1	4800	-
922.01	XMW250LXGG480	83223		-	1	4800	-
922.01	XMW250LXGGMTB	83064		-	1	4800	-
885.99	XMW250LXGL1480	83222		-	1	4600	-
885.99	XMW250LXGL1MTB	83063		-	1	4600	-
885.99	XMW250LXGL480	83224		-	1	4600	-
885.99	XMW250LXGLMTB	83065		-	1	4600	-
861.34	XMW250MAGG1480	83319		-	1	4500	-
861.34	XMW250MAGG1MTB	83154		-	1	4500	-
861.34	XMW250MAGG480	83321		-	1	4500	-
861.34	XMW250MAGGMTB	83156		-	1	4500	-
838.35	XMW250MAGL1480	83320		-	1	4400	-
838.35	XMW250MAGL1MTB	83155		-	1	4400	-
838.35	XMW250MAGL480	83322		-	1	4400	-
838.35	XMW250MAGLMTB	83157		-	1	4400	-
685.76	XMW250MMGG1480	83277		-	1	4500	-
685.76	XMW250MMGG1MTB	83117		-	1	4500	-
685.76	XMW250MMGG480	83279		-	1	4500	-
685.76	XMW250MMGGMTB	83119		-	1	4500	-
662.78	XMW250MMGL1480	83278		-	1	4400	-
662.78	XMW250MMGL1MTB	83118		-	1	4400	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
662.78	XMW250MMGL480	83280		-	1	4400	-
662.78	XMW250MMGLMTB	83120		-	1	4400	-
1056.54	XMW400LXGG1480	83235		-	1	5300	-
1056.54	XMW400LXGG1MTB	83075		-	1	5300	-
1056.54	XMW400LXGG480	83237		-	1	5300	-
1056.54	XMW400LXGGMTB	83077		-	1	5300	-
1020.44	XMW400LXGL1480	83236		-	1	5100	-
1020.44	XMW400LXGL1MTB	83076		-	1	5100	-
1020.44	XMW400LXGL480	83238		-	1	5100	-
1020.44	XMW400LXGLMTB	83078		-	1	5100	-
923.64	XMW400MAGG1480	83333		-	1	5300	-
923.64	XMW400MAGG1MTB	83166		-	1	5300	-
923.64	XMW400MAGG480	83335		-	1	5300	-
923.64	XMW400MAGGMTB	83168		-	1	5300	-
887.55	XMW400MAGL1480	83334		-	1	5100	-
887.55	XMW400MAGL1MTB	83167		-	1	5100	-
887.55	XMW400MAGL480	83336		-	1	5100	-
887.55	XMW400MAGLMTB	83169		-	1	5100	-
858.04	XMW400MMGG1480	83291		-	1	5300	-
858.04	XMW400MMGG1MTB	83130		-	1	5300	-
858.04	XMW400MMGG480	83293		-	1	5300	-
858.04	XMW400MMGGMTB	83132		-	1	5300	-
821.96	XMW400MMGL1480	83292		-	1	5100	-
821.96	XMW400MMGL1MTB	83131		-	1	5100	-
821.96	XMW400MMGL480	83294		-	1	5100	-
821.96	XMW400MMGLMTB	83133		-	1	5100	-
713.69	XMX50LXGG1127	83004		-	1	3600	-
713.69	XMX50LXGG127	83006		-	1	3600	-
690.72	XMX50LXGL1127	83005		-	1	3500	-
690.72	XMX50LXGL127	83007		-	1	3500	-
739.93	XMX70LXGG1480	83175		-	1	3800	-
739.93	XMX70LXGG1MTB	83018		-	1	3800	-
739.93	XMX70LXGG480	83177		-	1	3800	-
739.93	XMX70LXGGMTB	83020		-	1	3800	-
716.95	XMX70LXGL1480	83176		-	1	3700	-
716.95	XMX70LXGL1MTB	83019		-	1	3700	-
716.95	XMX70LXGL480	83178		-	1	3700	-
716.95	XMX70LXGLMTB	83021		-	1	3700	-
106.66	XMX75	83600		-	1	400	-
106.66	XMX100	83601		-	1	400	-
766.20	XMX100LXGG1480	83189		-	1	3800	-
766.20	XMX100LXGG1MTB	83031		-	1	3800	-
766.20	XMX100LXGG480	83191		-	1	3800	-
766.20	XMX100LXGGMTB	83033		-	1	3800	-
743.21	XMX100LXGL1480	83190		-	1	3700	-
743.21	XMX100LXGL1MTB	83032		-	1	3700	-
743.21	XMX100LXGL480	83192		-	1	3700	-
743.21	XMX100LXGLMTB	83034		-	1	3700	-
580.80	XMX100MMGG1480	83245		-	1	3700	-
580.80	XMX100MMGG1MTB	83085		-	1	3700	-
580.80	XMX100MMGG480	83247		-	1	3700	-
580.80	XMX100MMGGMTB	83087		-	1	3700	-
557.82	XMX100MMGL1480	83246		-	1	3600	-
557.82	XMX100MMGL1MTB	83086		-	1	3600	-
557.82	XMX100MMGL480	83248		-	1	3600	-
557.82	XMX100MMGLMTB	83088		-	1	3600	-
789.17	XMX150LXGG1480	83203		-	1	3800	-
789.17	XMX150LXGG1MTB	83044		-	1	3800	-
789.17	XMX150LXGG480	83205		-	1	3800	-
789.17	XMX150LXGGMTB	83046		-	1	3800	-
766.20	XMX150LXGL1480	83204		-	1	3700	-
766.20	XMX150LXGL1MTB	83045		-	1	3700	-
766.20	XMX150LXGL480	83206		-	1	3700	-
766.20	XMX150LXGLMTB	83047		-	1	3700	-
685.79	XMX175MAGG1480	83301		-	1	3800	-
685.79	XMX175MAGG1MTB	83140		-	1	3800	-
685.79	XMX175MAGG480	83303		-	1	3800	-
685.79	XMX175MAGGMTB	12361		-	1	3800	-
662.81	XMX175MAGL1480	83302		-	1	3700	-
662.81	XMX175MAGL1MTB	83141		-	1	3700	-
662.81	XMX175MAGL480	83304		-	1	3700	-
662.81	XMX175MAGLMTB	83142		-	1	3700	-
609.58	XMX175MMGG1480	83259		-	1	3800	-
609.58	XMX175MMGG1MTB	83099		-	1	3800	-
609.58	XMX175MMGG480	83261		-	1	3800	-
609.58	XMX175MMGGMTB	83101		-	1	3800	-
577.51	XMX175MMGL1480	83260		-	1	3700	-
577.51	XMX175MMGL1MTB	83100		-	1	3700	-
577.51	XMX175MMGL480	83262		-	1	3700	-
577.51	XMX175MMGLMTB	83102		-	1	3700	-
881.02	XMX250LXGG1480	83217		-	1	4600	-
881.02	XMX250LXGG1MTB	83058		-	1	4600	-
881.02	XMX250LXGG480	83219		-	1	4600	-
881.02	XMX250LXGGMTB	83060		-	1	4600	-
844.92	XMX250LXGL1480	83218		-	1	4400	-
844.92	XMX250LXGL1MTB	83059		-	1	4400	-
844.92	XMX250LXGL480	83220		-	1	4400	-
844.92	XMX250LXGLMTB	83061		-	1	4400	-
820.32	XMX250MAGG1480	83315		-	1	4300	-
820.32	XMX250MAGG1MTB	83151		-	1	4300	-
820.32	XMX250MAGG480	83317		-	1	4300	-
820.32	XMX250MAGGMTB	12590		-	1	4300	-
797.35	XMX250MAGL1480	83316		-	1	4200	-
797.35	XMX250MAGL1MTB	83152		-	1	4200	-
797.35	XMX250MAGL480	83318		-	1	4200	-
797.35	XMX250MAGLMTB	83153		-	1	4200	-
844.76	XMX250MMGG1480	83273		-	1	4300	-
844.76	XMX250MMGG1MTB	83113		-	1	4300	-
844.76	XMX250MMGG480	83275		-	1	4300	-
844.76	XMX250MMGGMTB	83115		-	1	4300	-
821.78	XMX250MMGL1480	83274		-	1	4200	-
821.78	XMX250MMGL1MTB	83114		-	1	4200	-
821.78	XMX250MMGL480	83276		-	1	4200	-
821.78	XMX250MMGLMTB	83116		-	1	4200	-
1015.53	XMX400LXGG1480	83231		-	1	5100	-
1015.53	XMX400LXGG1MTB	83071		-	1	5100	-
1015.53	XMX400LXGG480	83233		-	1	5100	-
1015.53	XMX400LXGGMTB	83073		-	1	5100	-
979.45	XMX400LXGL1480	83232		-	1	4900	-
979.45	XMX400LXGL1MTB	83072		-	1	4900	-
979.45	XMX400LXGL480	83234		-	1	4900	-
979.45	XMX400LXGLMTB	83074		-	1	4900	-
882.64	XMX400MAGG1480	83329		-	1	5100	-
882.64	XMX400MAGG1MTB	83163		-	1	5100	-
882.64	XMX400MAGG480	83331		-	1	5100	-
882.64	XMX400MAGGMTB	12553		-	1	5100	-
846.55	XMX400MAGL1480	83330		-	1	4900	-
846.55	XMX400MAGL1MTB	83164		-	1	4900	-
846.55	XMX400MAGL480	83332		-	1	4900	-
846.55	XMX400MAGLMTB	83165		-	1	4900	-
817.04	XMX400MMGG1480	83287		-	1	5100	-
817.04	XMX400MMGG1MTB	83126		-	1	5100	-
817.04	XMX400MMGG480	83289		-	1	5100	-
817.04	XMX400MMGGMTB	83128		-	1	5100	-
788.95	XMX400MMGL1480	83288		-	1	4900	-
788.95	XMX400MMGL1MTB	83127		-	1	4900	-

EGS O-Z/GEDNEY

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
780.95	XMX400MMGL480	83290		-	1	4900	-
780.95	XMX400MMGLMTB	83129		-	1	4900	-
11.89	XP	02700	V	-	1	-	-
22.31	XTP-2104	57500	LA	10	50	27	-
23.66	XTP-2121	57502	LA	10	50	25	-
25.16	XTP-2404	57504	LA	10	50	45	-
26.87	XTP-2421	57506	LA	10	50	43	-
34.07	XTP-2424	57508	LA	10	50	56	-
28.70	XTP-3004	57510	LA	10	50	51	-
34.07	XTP-3021	57512	LA	10	50	46	-
39.29	XTP-3024	57514	LA	10	50	61	-
44.52	XTP-3030	57516	LA	10	50	73	-
39.14	XTP-5004	57518	LA	10	50	64	-
44.43	XTP-5021	57520	LA	10	50	61	-
51.69	XTP-5024	57522	LA	10	50	75	-
56.33	XTP-5030	57524	LA	5	25	95	-
67.00	XTP-5050	57526	LA	5	25	110	-
75.08	XTP-7521	57528	LA	5	25	77	-
82.83	XTP-7524	57530	LA	5	25	96	-
86.96	XTP-7530	57532	LA	5	25	140	-
105.09	XTP-7550	57534	LA	5	25	160	-
106.81	XTP-7575	57536	LA	5	25	190	-
82.83	XTP-9221	57538	LA	5	25	110	-
82.83	XTP-9224	57540	LA	5	25	120	-
91.97	XTP-9230	57542	LA	2	10	150	-
101.15	XTP-9250	57544	LA	2	10	170	-
113.77	XTP-9275	57546	LA	5	25	250	-
126.82	XTP-9292	57548	LA	2	10	300	-
20.42	XTPC-2104	57600	LA	-	10	15	-
20.42	XTPC-2121	57602	LA	-	10	15	-
23.82	XTPC-2404	57604	LA	-	10	17	-
23.82	XTPC-2421	57606	LA	-	10	17	-
23.82	XTPC-2424	57608	LA	-	10	17	-
28.13	XTPC-3004	57610	LA	-	10	22	-
28.13	XTPC-3021	57612	LA	-	10	22	-
28.13	XTPC-3024	57614	LA	-	10	22	-
28.13	XTPC-3030	57616	LA	-	10	22	-
30.93	XTPC-5004	57618	LA	-	10	33	-
30.93	XTPC-5021	57620	LA	-	10	33	-
30.93	XTPC-5024	57622	LA	-	10	33	-
30.93	XTPC-5030	57624	LA	-	5	33	-
30.93	XTPC-5050	57626	LA	-	5	33	-
42.47	XTPC-7521	57628	LA	-	5	40	-
42.47	XTPC-7524	57630	LA	-	5	40	-
42.47	XTPC-7530	57632	LA	-	5	40	-
42.47	XTPC-7550	57634	LA	-	5	40	-
42.47	XTPC-7575	57636	LA	-	5	40	-
47.50	XTPC-9221	57638	LA	-	5	50	-
47.50	XTPC-9224	57640	LA	-	5	50	-
47.50	XTPC-9230	57642	LA	-	2	50	-
47.50	XTPC-9250	57644	LA	-	2	50	-
47.50	XTPC-9275	57646	LA	-	2	50	-
47.50	XTPC-9292	57648	LA	-	2	50	-
14.92	XW-0101	57702	LA	25	100	15	-
14.12	XW-0404	57700	LA	50	200	10	-
22.42	XW-2222	57704	LA	25	100	21	-
32.25	XW-2424	57706	LA	25	100	41	-
51.24	XW-3030	57708	LA	10	50	50	-
79.34	XW-5050	57710	LA	10	50	93	-
139.20	XW-7575	57712	LA	5	25	140	-
151.79	XW-9292	57714	LA	5	25	210	-
13.82	XWC-0101	57802	LA	-	25	15	-
13.82	XWC-0404	57800	LA	-	25	5	-

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13.82	XWC-2222	57804	LA	-	25	15	-
17.27	XWC-2424	57806	LA	-	25	17	-
19.64	XWC-3030	57808	LA	-	10	22	-
23.38	XWC-5050	57810	LA	-	10	33	-
32.25	XWC-7575	57812	LA	-	5	40	-
36.68	XWC-9292	57814	LA	-	5	50	-
219.05	YBW-15	02701	UA	-	1	1500	-
215.95	YBW-15A	02702	UA	-	1	800	-
630.93	YBW-26	02703	UA	-	1	4500	-
622.01	YBW-26A	02704	UA	-	1	2200	-
1465.92	YBW-36	02705	UA	-	1	8800	-
1445.17	YBW-36A	02706	UA	-	1	4400	-
2780.36	YBW-41	02707	UA	-	1	16500	-
2741.02	YBW-41A	02708	UA	-	1	7500	-
459.10	YC-060604	02709	UA	-	1	3000	-
1082.34	YC-060604B	02710	UA	-	1	3000	-
691.11	YC-080804	02711	UA	-	1	4500	-
1632.77	YC-080804B	02712	UA	-	1	4500	-
752.82	YC-080806	02713	UA	-	1	4800	-
1673.49	YC-080806B	02714	UA	-	1	4800	-
709.85	YC-080808	02715	UA	-	1	5900	-
1712.97	YC-080808B	02716	UA	-	1	5900	-
1004.58	YC-121204	02717	UA	-	1	7800	-
2194.30	YC-121204B	02718	UA	-	1	7800	-
1065.06	YC-121206	02719	UA	-	1	8800	-
2247.37	YC-121206B	02720	UA	-	1	8800	-
1125.77	YC-121208	02721	UA	-	1	10800	-
2384.15	YC-121208B	02722	UA	-	1	10800	-
1161.07	YC-141404	02723	UA	-	1	9900	-
2637.36	YC-141404B	02724	UA	-	1	9900	-
1258.82	YC-141406	02725	UA	-	1	10500	-
2741.02	YC-141406B	02726	UA	-	1	10500	-
1330.41	YC-141408	02727	UA	-	1	12700	-
2827.42	YC-141408B	02728	UA	-	1	12700	-
1406.93	YC-141410	02729	UA	-	1	13400	-
2899.00	YC-141410B	02730	UA	-	1	13400	-
1504.42	YC-161606	02731	UA	-	1	12600	-
3360.57	YC-161606B	02732	UA	-	1	12600	-
1600.89	YC-161608	02733	UA	-	1	13900	-
3424.74	YC-161608B	02734	UA	-	1	13900	-
1884.54	YC-161612	02735	UA	-	1	18500	-
3954.19	YC-161612B	02736	UA	-	1	18500	-
1834.54	YC-181206	02737	UA	-	1	12300	-
3250.73	YC-181206B	02738	UA	-	1	12300	-
1974.62	YC-181208	02739	UA	-	1	13500	-
3360.57	YC-181208B	02740	UA	-	1	13500	-
2020.26	YC-181210	02741	UA	-	1	15000	-
3490.16	YC-181210B	02742	UA	-	1	15000	-
2293.03	YC-181212	02743	UA	-	1	17500	-
3655.52	YC-181212B	02744	UA	-	1	17500	-
2293.03	YC-181806	02745	UA	-	1	15400	-
3841.88	YC-181806B	02746	UA	-	1	15400	-
2413.97	YC-181808	02747	UA	-	1	16900	-
4139.31	YC-181808B	02748	UA	-	1	16900	-
2866.98	YC-181810	02749	UA	-	1	19900	-
4533.08	YC-181810B	02750	UA	-	1	19900	-
2831.12	YC-181812	02751	UA	-	1	20400	-
4831.66	YC-181812B	02752	UA	-	1	20400	-
2249.85	YC-242406	02753	UA	-	1	23900	-
5136.50	YC-242406B	02754	UA	-	1	23900	-
2571.95	YC-242408	02755	UA	-	1	26200	-
5335.19	YC-242408B	02756	UA	-	1	26200	-
2850.86	YC-242410	02757	UA	-	1	32200	-

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5509.20	YC-242410B	02758	UA	-	1	32200	-
2940.97	YC-242412	02759	UA	-	1	35700	-
5665.94	YC-242412B	02760	UA	-	1	35700	-
259.76	YCE-12	02761	V	-	1	1700	-
412.56	YCE-12-304	02762	V	-	1	1900	-
323.22	YCE-12-610	02763	V	-	1	1900	-
259.76	YCE-12A	02764	V	-	1	1200	-
412.56	YCE-12A-304	02765	V	-	1	1400	-
323.22	YCE-12A-610	02766	V	-	1	1400	-
586.58	YCE-20	02767	V	-	1	3400	-
709.92	YCE-20-321	02768	V	-	1	3700	-
586.58	YCE-20A	02769	V	-	1	1900	-
709.92	YCE-20A-321	02770	V	-	1	2200	-
692.38	YCE-26	02771	V	-	1	4800	-
933.24	YCE-26-324	02772	V	-	1	5200	-
962.63	YCE-26-421	02773	V	-	1	5300	-
692.38	YCE-26A	02774	V	-	1	2700	-
933.24	YCE-26A-324	02775	V	-	1	3100	-
962.63	YCE-26A-421	02776	V	-	1	3200	-
1089.65	YCE-31	02777	V	-	1	6900	-
1475.09	YCE-31-350	02778	V	-	1	8000	-
1327.00	YCE-31-424	02779	V	-	1	8300	-
1089.65	YCE-31A	02780	V	-	1	4000	-
1475.09	YCE-31A-350	02781	V	-	1	8000	-
1327.00	YCE-31A-424	02782	V	-	1	5100	-
1599.69	YCE-41	02783	V	-	1	10900	-
2380.13	YCE-41-392	02784	V	-	1	13100	-
2213.22	YCE-41-450	02785	V	-	1	13800	-
1599.69	YCE-41A	02786	V	-	1	6400	-
2380.13	YCE-41A-392	02787	V	-	1	8600	-
2213.22	YCE-41A-450	02788	V	-	1	9300	-
216.22	YCW-12	02789	UA	-	1	1500	-
364.06	YCW-12-304	02790	UA	-	1	1700	-
277.68	YCW-12-610	02791	UA	-	1	1700	-
213.17	YCW-12A	02792	UA	-	1	800	-
364.06	YCW-12A-304	02793	UA	-	1	1000	-
277.68	YCW-12A-610	02794	UA	-	1	1000	-
333.00	YCW-20	02795	UA	-	1	2200	-
534.38	YCW-20-321	02796	UA	-	1	2500	-
326.28	YCW-20A	02797	UA	-	1	1600	-
534.38	YCW-20A-321	02798	UA	-	1	1900	-
508.25	YCW-26	02799	UA	-	1	3000	-
739.25	YCW-26-324	02800	UA	-	1	3400	-
766.39	YCW-26-421	02801	UA	-	1	3500	-
501.04	YCW-26A	02802	UA	-	1	1600	-
739.25	YCW-26A-324	02803	UA	-	1	2000	-
766.39	YCW-26A-421	02804	UA	-	1	2100	-
868.28	YCW-31	02805	UA	-	1	5300	-
1336.97	YCW-31-350	02806	UA	-	1	6400	-
1169.96	YCW-31-424	02807	UA	-	1	6700	-
854.02	YCW-31A	02808	UA	-	1	2600	-
1318.06	YCW-31A-350	02809	UA	-	1	3700	-
1169.96	YCW-31A-424	02810	UA	-	1	4000	-
1156.71	YCW-41	02811	UA	-	1	8500	-
1917.86	YCW-41-392	02812	UA	-	1	10700	-
1751.25	YCW-41-450	02813	UA	-	1	11400	-
1140.34	YCW-41A	02814	UA	-	1	4000	-
1917.86	YCW-41A-392	02815	UA	-	1	6200	-
1751.25	YCW-41A-450	02816	UA	-	1	6900	-
2117.78	YE-1950-324	02920	UA	-	1	-	-
2117.78	YE-1950-324A	02922	UA	-	1	-	-
2117.78	YE-1950-350	02923	UA	-	1	-	-
2117.78	YE-1950-350A	02925	UA	-	1	-	-

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2729.92	YE-1950-424	02926	UA	-	1	-	-
2729.92	YE-1950-424A	02928	UA	-	1	-	-
2729.92	YE-1950-450	02929	UA	-	1	-	-
2729.92	YE-1950-450A	02930	UA	-	1	-	-
3063.14	YE-1950-624	02931	UA	-	1	-	-
3063.14	YE-1950-624A	02932	UA	-	1	-	-
3063.14	YE-1950-650	02934	UA	-	1	-	-
3063.14	YE-1950-650A	02935	UA	-	1	-	-
4129.43	YE-1950-824	02937	UA	-	1	-	-
4129.43	YE-1950-824A	02938	UA	-	1	-	-
4129.43	YE-1950-850	02939	UA	-	1	-	-
4129.43	YE-1950-850A	02940	UA	-	1	-	-
166.86	YE-040402	02817	V	-	1	1500	-
188.86	YE-040402A	02818	V	-	1	600	-
203.48	YE-040404	02819	V	-	1	1900	-
203.48	YE-040404A	02820	V	-	1	700	-
235.08	YE-050504	02821	V	-	1	2700	-
235.08	YE-050504A	02822	V	-	1	1000	-
242.12	YE-060404	02823	V	-	1	2700	-
245.59	YE-060404A	02824	V	-	1	1000	-
281.37	YE-060604	02825	V	-	1	3600	-
245.59	YE-060604A	02826	V	-	1	1300	-
327.93	YE-060606	02827	V	-	1	4500	-
327.93	YE-060606A	02828	V	-	1	1700	-
336.15	YE-080404	02829	V	-	1	3600	-
336.15	YE-080404A	02830	V	-	1	1400	-
349.32	YE-080604	02831	V	-	1	4500	-
349.32	YE-080604A	02832	V	-	1	1700	-
434.89	YE-080606	02833	V	-	1	5600	-
441.12	YE-080606A	02834	V	-	1	2300	-
520.69	YE-080804	02835	V	-	1	5700	-
520.69	YE-080804A	02836	V	-	1	2100	-
571.07	YE-080806	02837	V	-	1	6700	-
571.07	YE-080806A	02838	V	-	1	2500	-
822.94	YE-080808	02839	V	-	1	7700	-
822.94	YE-080808A	02840	V	-	1	3000	-
532.63	YE-100604	02841	V	-	1	5200	-
525.39	YE-100604A	02842	V	-	1	1900	-
590.04	YE-100606	02843	V	-	1	6100	-
590.04	YE-100606A	02844	V	-	1	2500	-
590.04	YE-100804	02845	V	-	1	6800	-
590.04	YE-100804A	02846	V	-	1	2600	-
617.07	YE-100806	02847	V	-	1	8700	-
625.93	YE-100806A	02848	V	-	1	3200	-
685.24	YE-100808	02849	V	-	1	9300	-
685.24	YE-100808A	02850	V	-	1	3500	-
713.45	YE-101004	02851	V	-	1	8300	-
713.45	YE-101004A	02852	V	-	1	3100	-
796.00	YE-101006	02853	V	-	1	10200	-
796.00	YE-101006A	02854	V	-	1	3800	-
927.37	YE-101008	02855	V	-	1	11000	-
927.37	YE-101008A	02856	V	-	1	4000	-
590.04	YE-120604	02857	V	-	1	5600	-
590.04	YE-120604A	02858	V	-	1	2100	-
620.60	YE-120606	02859	V	-	1	6100	-
620.49	YE-120606A	02860	V	-	1	2300	-
693.47	YE-120804	02861	V	-	1	8200	-
703.42	YE-120804A	02862	V	-	1	3100	-
766.88	YE-120806	02863	V	-	1	9700	-
766.88	YE-120806A	02864	V	-	1	3700	-
865.07	YE-120808	02865	V	-	1	12100	-
865.07	YE-120808A	02866	V	-	1	4500	-
953.31	YE-121204	02867	V	-	1	13100	-

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853.31	YE-121204A	02868	V	-	1	4800	-
983.60	YE-121206	02869	V	-	1	14800	-
983.60	YE-121206A	02870	V	-	1	5500	-
1021.40	YE-121208	02871	V	-	1	17200	-
1038.06	YE-121208A	02872	V	-	1	6500	-
1272.93	YE-121210	02873	V	-	1	18900	-
1272.93	YE-121210A	02874	V	-	1	7200	-
1490.37	YE-121212	02875	V	-	1	20500	-
1498.37	YE-121212A	02876	V	-	1	7800	-
996.71	YE-140806	02877	V	-	1	11500	-
996.71	YE-140806A	02878	V	-	1	4300	-
1108.37	YE-140808	02879	V	-	1	13200	-
1108.37	YE-140808A	02880	V	-	1	4900	-
1268.23	YE-141406	02881	V	-	1	20600	-
1268.23	YE-141406A	02882	V	-	1	7800	-
1371.67	YE-141408	02883	V	-	1	21400	-
1371.67	YE-141408A	02884	V	-	1	8000	-
1543.27	YE-141410	02885	V	-	1	24800	-
1543.27	YE-141410A	02886	V	-	1	9300	-
1346.97	YE-161208	02887	V	-	1	24800	-
1368.32	YE-161208A	02888	V	-	1	9300	-
894.46	YE-180606	02889	V	-	1	10500	-
894.46	YE-180606A	02890	V	-	1	4000	-
1128.35	YE-180806	02891	V	-	1	15200	-
1128.35	YE-180806A	02892	V	-	1	5700	-
1251.77	YE-180808	02893	V	-	1	16300	-
1251.77	YE-180808A	02894	V	-	1	6100	-
1238.83	YE-181204	02895	V	-	1	21500	-
1238.83	YE-181204A	02896	V	-	1	8200	-
1275.28	YE-181206	02897	V	-	1	24300	-
1275.28	YE-181206A	02898	V	-	1	9200	-
1397.52	YE-181208	02899	V	-	1	27200	-
1417.58	YE-181208A	02901	V	-	1	10200	-
1469.22	YE-181210	02902	V	-	1	30300	-
1469.22	YE-181210A	02904	V	-	1	11500	-
1844.16	YE-181212	02905	V	-	1	32500	-
1844.16	YE-181212A	02907	V	-	1	12300	-
2192.07	YE-181806	02908	V	-	1	34500	-
2192.07	YE-181806A	02910	V	-	1	12900	-
2382.48	YE-181808	02911	V	-	1	40900	-
2382.48	YE-181808A	02913	V	-	1	14900	-
2489.52	YE-181810	02914	V	-	1	45500	-
2489.52	YE-181810A	02916	V	-	1	17000	-
2636.72	YE-181812	02917	V	-	1	48700	-
2636.72	YE-181812A	02919	V	-	1	18500	-
1906.45	YE-201208	02941	V	-	1	30400	-
1906.45	YE-201208A	02942	V	-	1	11400	-
1633.77	YE-240808	02943	V	-	1	20500	-
1633.77	YE-240808A	02944	V	-	1	7700	-
1878.25	YE-241208	02945	V	-	1	36100	-
1878.25	YE-241208A	02946	V	-	1	13600	-
2185.02	YE-241210	02947	V	-	1	38600	-
2185.02	YE-241210A	02948	V	-	1	14700	-
2544.69	YE-241212	02949	V	-	1	42500	-
2544.69	YE-241212A	02950	V	-	1	15900	-
2624.60	YE-241806	02951	V	-	1	53500	-
2624.60	YE-241806A	02952	V	-	1	20300	-
3178.21	YE-241808	02953	V	-	1	57100	-
3178.21	YE-241808A	02954	V	-	1	21800	-
3439.14	YE-241810	02955	V	-	1	62800	-
3439.14	YE-241810A	02956	V	-	1	23800	-
4002.15	YE-241812	02957	V	-	1	68000	-
4002.15	YE-241812A	02958	V	-	1	26000	-

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
3731.81	YE-242408	02959	V	-	1	75700	-
3731.81	YE-242408A	02960	V	-	1	28500	-
4127.91	YE-242410	02961	V	-	1	80000	-
4127.91	YE-242410A	02962	V	-	1	30000	-
4797.87	YE-242412	02963	V	-	1	84700	-
4797.87	YE-242412A	02964	V	-	1	32000	-
3457.95	YE-301208	02965	V	-	1	53500	-
3457.95	YE-301208A	02966	V	-	1	20000	-
3650.71	YE-301210	02967	V	-	1	57100	-
3787.04	YE-301210A	02968	V	-	1	21400	-
3788.00	YE-301212	02969	V	-	1	60900	-
3788.00	YE-301212A	02970	V	-	1	23000	-
5386.74	YE-302408	02971	V	-	1	101300	-
5386.74	YE-302408A	02972	V	-	1	38000	-
5922.72	YE-302410	02973	V	-	1	110000	-
5922.72	YE-302410A	02974	V	-	1	41000	-
6296.48	YE-302412	02975	V	-	1	121500	-
6296.48	YE-302412A	02976	V	-	1	42900	-
1882.07	YF-1950-450	03111	UA	-	1	-	-
1882.07	YF-1950-450A	03113	UA	-	1	-	-
1932.66	YF-1950-624	03114	UA	-	1	-	-
1932.66	YF-1950-624A	03116	UA	-	1	-	-
1932.66	YF-1950-650	03117	UA	-	1	-	-
1932.66	YF-1950-650A	03119	UA	-	1	-	-
3003.90	YF-1950-824	03120	UA	-	1	-	-
3003.90	YF-1950-824A	03122	UA	-	1	-	-
3003.90	YF-1950-850A	03125	UA	-	1	-	-
3003.90	YF-1950-850	03123	UA	-	1	-	-
60.71	YF-040403	02977	UA	-	1	600	-
60.71	YF-040403A	02978	UA	-	1	200	-
66.87	YF-040404	02979	UA	-	1	700	-
65.92	YF-040404A	02980	UA	-	1	300	-
95.09	YF-050504	02981	UA	-	1	700	-
95.09	YF-050504A	02982	UA	-	1	300	-
83.06	YF-060403	02983	UA	-	1	700	-
83.06	YF-060403A	02984	UA	-	1	300	-
90.15	YF-060404	02985	UA	-	1	800	-
90.15	YF-060404A	02986	UA	-	1	300	-
106.83	YF-060603	02987	UA	-	1	1000	-
106.83	YF-060603A	02988	UA	-	1	400	-
118.38	YF-060604	02989	UA	-	1	1400	-
116.71	YF-060604A	02990	UA	-	1	500	-
151.64	YF-060606	02991	UA	-	1	1700	-
148.48	YF-060606A	02992	UA	-	1	700	-
112.66	YF-080403	02993	UA	-	1	1000	-
112.66	YF-080403A	02994	UA	-	1	400	-
128.85	YF-080404	02995	UA	-	1	1100	-
128.85	YF-080404A	02996	UA	-	1	400	-
139.80	YF-080603	02997	UA	-	1	1400	-
139.80	YF-080603A	02998	UA	-	1	500	-
153.65	YF-080604	02999	UA	-	1	1500	-
153.65	YF-080604A	03000	UA	-	1	600	-
163.94	YF-080606	03001	UA	-	1	2100	-
181.32	YF-080606A	03002	UA	-	1	800	-
283.68	YF-080804	03003	UA	-	1	2300	-
280.71	YF-080804A	03004	UA	-	1	900	-
235.30	YF-080806	03005	UA	-	1	2800	-
235.30	YF-080806A	03006	UA	-	1	1000	-
301.12	YF-080808	03007	UA	-	1	3200	-
301.12	YF-080808A	03008	UA	-	1	1200	-
197.94	YF-100604	03009	UA	-	1	2100	-
197.94	YF-100604A	03010	UA	-	1	800	-
235.30	YF-100606	03011	UA	-	1	2300	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
235.30	YF-100606A	03012	UA	-	1	900	-
264.10	YF-100804	03013	UA	-	1	2800	-
264.10	YF-100804A	03014	UA	-	1	1000	-
313.46	YF-100806	03015	UA	-	1	3300	-
313.46	YF-100806A	03016	UA	-	1	1200	-
351.72	YF-100808	03017	UA	-	1	4000	-
351.72	YF-100808A	03018	UA	-	1	1500	-
330.74	YF-101004	03019	UA	-	1	3000	-
330.74	YF-101004A	03020	UA	-	1	1100	-
365.55	YF-101006	03021	UA	-	1	3800	-
360.37	YF-101006A	03022	UA	-	1	1400	-
428.25	YF-101008	03023	UA	-	1	4400	-
428.25	YF-101008A	03024	UA	-	1	1600	-
240.86	YF-120404	03025	UA	-	1	2200	-
240.86	YF-120404A	03026	UA	-	1	900	-
238.09	YF-120604	03027	UA	-	1	2500	-
238.09	YF-120604A	03028	UA	-	1	1000	-
282.62	YF-120606	03029	UA	-	1	3000	-
282.62	YF-120606A	03030	UA	-	1	1100	-
276.44	YF-120804	03031	UA	-	1	2900	-
276.44	YF-120804A	03032	UA	-	1	1100	-
322.10	YF-120806	03033	UA	-	1	3800	-
322.10	YF-120806A	03034	UA	-	1	1400	-
403.56	YF-120808	03035	UA	-	1	4600	-
403.56	YF-120808A	03036	UA	-	1	1700	-
354.20	YF-121004	03037	UA	-	1	4200	-
354.20	YF-121004A	03038	UA	-	1	1600	-
402.32	YF-121006	03039	UA	-	1	4500	-
402.32	YF-121006A	03040	UA	-	1	1700	-
455.39	YF-121008	03041	UA	-	1	4800	-
455.39	YF-121008A	03042	UA	-	1	1800	-
428.25	YF-121204	03043	UA	-	1	4300	-
428.25	YF-121204A	03044	UA	-	1	1600	-
480.70	YF-121206	03045	UA	-	1	5200	-
473.90	YF-121206A	03046	UA	-	1	1900	-
502.29	YF-121207	03047	UA	-	1	6000	-
502.29	YF-121207A	03048	UA	-	1	2200	-
539.53	YF-121208	03049	UA	-	1	6400	-
531.90	YF-121208A	03050	UA	-	1	2400	-
640.51	YF-121210	03051	UA	-	1	7000	-
640.51	YF-121210A	03052	UA	-	1	2600	-
731.84	YF-121212	03053	UA	-	1	8000	-
731.84	YF-121212A	03054	UA	-	1	3000	-
313.46	YF-140804	03055	UA	-	1	3300	-
313.46	YF-140804A	03056	UA	-	1	1200	-
361.59	YF-140806	03057	UA	-	1	3800	-
361.59	YF-140806A	03058	UA	-	1	1400	-
498.59	YF-140808	03059	UA	-	1	5000	-
498.59	YF-140808A	03060	UA	-	1	1800	-
766.39	YF-141406	03061	UA	-	1	7200	-
766.39	YF-141406A	03062	UA	-	1	2700	-
821.94	YF-141408	03063	UA	-	1	8300	-
821.94	YF-141408A	03064	UA	-	1	3100	-
1031.74	YF-141410	03065	UA	-	1	9000	-
1031.74	YF-141410A	03066	UA	-	1	3300	-
492.42	YF-161204	03067	UA	-	1	6000	-
492.42	YF-161204A	03068	UA	-	1	2200	-
592.38	YF-161206	03069	UA	-	1	7100	-
592.38	YF-161206A	03070	UA	-	1	2600	-
705.93	YF-161208	03071	UA	-	1	7800	-
705.93	YF-161208A	03072	UA	-	1	2900	-
847.85	YF-161606	03073	UA	-	1	9700	-
847.85	YF-161606A	03074	UA	-	1	3600	-

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455.39	YF-180606	03075	UA	-	1	4800	-
455.39	YF-180606A	03076	UA	-	1	1800	-
519.56	YF-180804	03077	UA	-	1	4900	-
519.56	YF-180804A	03078	UA	-	1	1800	-
592.38	YF-180806	03079	UA	-	1	5400	-
592.38	YF-180806A	03080	UA	-	1	2000	-
675.07	YF-181204	03081	UA	-	1	5900	-
675.07	YF-181204A	03082	UA	-	1	2200	-
759.00	YF-181206	03083	UA	-	1	8000	-
759.00	YF-181206A	03084	UA	-	1	3000	-
842.91	YF-181208	03085	UA	-	1	9500	-
842.91	YF-181208A	03086	UA	-	1	3500	-
903.39	YF-181210	03087	UA	-	1	10500	-
903.39	YF-181210A	03088	UA	-	1	3900	-
1186.00	YF-181212	03089	UA	-	1	12300	-
1186.00	YF-181212A	03090	UA	-	1	4500	-
1884.54	YF-181218	03091	UA	-	1	16500	-
1884.54	YF-181218A	03092	UA	-	1	6100	-
1318.06	YF-181806	03093	UA	-	1	12400	-
1318.06	YF-181806A	03094	UA	-	1	4600	-
1504.42	YF-181808	03095	UA	-	1	13500	-
1504.42	YF-181808A	03096	UA	-	1	5000	-
1669.79	YF-181810	03097	UA	-	1	15000	-
1669.79	YF-181810A	03098	UA	-	1	5500	-
2007.94	YF-181812	03099	UA	-	1	17500	-
2007.94	YF-181812A	03101	UA	-	1	6500	-
1186.00	YF-241206	03126	UA	-	1	10000	-
1186.00	YF-241206A	03128	UA	-	1	3700	-
1385.93	YF-241208	03129	UA	-	1	11800	-
1385.93	YF-241208A	03131	UA	-	1	4400	-
1779.62	YF-241212	03132	UA	-	1	15000	-
1779.62	YF-241212A	03134	UA	-	1	5500	-
1332.67	YF-1950-324	03102	UA	-	1	-	-
1332.67	YF-1950-324A	03104	UA	-	1	-	-
1332.67	YF-1950-350	03105	UA	-	1	-	-
1332.67	YF-1950-350A	03107	UA	-	1	-	-
1882.07	YF-1950-424	03108	UA	-	1	-	-
1882.07	YF-1950-424A	03110	UA	-	1	-	-
1712.97	YF-241806	03135	UA	-	1	16000	-
1712.97	YF-241806A	03136	UA	-	1	5900	-
1945.01	YF-241808	03137	UA	-	1	17000	-
1945.01	YF-241808A	03138	UA	-	1	6300	-
2058.54	YF-241810	03139	UA	-	1	18500	-
2058.54	YF-241810A	03140	UA	-	1	6800	-
2131.36	YF-241812	03141	UA	-	1	22500	-
2131.36	YF-241812A	03142	UA	-	1	8300	-
2062.25	YF-242406	03143	UA	-	1	21500	-
2062.25	YF-242406A	03144	UA	-	1	7900	-
2304.15	YF-242408	03145	UA	-	1	22500	-
2304.15	YF-242408A	03146	UA	-	1	8300	-
2525.05	YF-242410	03147	UA	-	1	25000	-
2525.05	YF-242410A	03148	UA	-	1	9200	-
2776.82	YF-242412	03149	UA	-	1	29000	-
2776.82	YF-242412A	03154	UA	-	1	10700	-
1662.40	YF-281208	03156	UA	-	1	14500	-
1662.40	YF-281208A	03158	UA	-	1	6400	-
1974.62	YF-281212	03160	UA	-	1	17500	-
1974.62	YF-281212A	03161	UA	-	1	6500	-
3465.48	YF-302408	03162	UA	-	1	30000	-
3465.48	YF-302408A	03163	UA	-	1	11100	-
3754.26	YF-302410	03164	UA	-	1	32500	-
3754.26	YF-302410A	03165	UA	-	1	12000	-
4066.49	YF-302412	03166	UA	-	1	35000	-

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4088.49	YF-302412A	03167	UA	-	1	12900	-
5360.88	YF-302418	03168	UA	-	1	51000	-
5360.88	YF-302418A	03169	UA	-	1	19000	-
2327.56	YF-361806	03170	UA	-	1	23500	-
2327.56	YF-361806A	03171	UA	-	1	10200	-
2584.29	YF-361808	03172	UA	-	1	25000	-
2584.29	YF-361808A	03173	UA	-	1	9200	-
3465.48	YF-361812	03174	UA	-	1	34000	-
3465.48	YF-361812A	03175	UA	-	1	12600	-
5747.39	YF-361818	03176	UA	-	1	53300	-
5747.39	YF-361818A	03177	UA	-	1	20000	-
6570.58	YF-362418	03178	UA	-	1	61500	-
6570.58	YF-362418A	03179	UA	-	1	23000	-
4858.81	YF-363608	03180	UA	-	1	47500	-
4858.81	YF-363608A	03181	UA	-	1	17900	-
6139.86	YF-363612	03182	UA	-	1	52000	-
6139.86	YF-363612A	03183	UA	-	1	19500	-
7232.07	YF-363618	03184	UA	-	1	84000	-
7232.07	YF-363618A	03185	UA	-	1	31000	-
78.32	YG-040403	03186	V	-	1	700	-
78.32	YG-040403A	03187	V	-	1	200	-
85.48	YG-040404	03188	V	-	1	800	-
84.27	YG-040404A	03189	V	-	1	300	-
111.72	YG-050504	03190	V	-	1	800	-
111.72	YG-050504A	03191	V	-	1	300	-
102.35	YG-060403	03192	V	-	1	800	-
102.35	YG-060403A	03193	V	-	1	300	-
109.74	YG-060404	03194	V	-	1	800	-
109.74	YG-060404A	03195	V	-	1	300	-
126.71	YG-060603	03196	V	-	1	1100	-
126.71	YG-060603A	03197	V	-	1	400	-
136.84	YG-060604	03198	V	-	1	1500	-
136.88	YG-060604A	03199	V	-	1	600	-
174.18	YG-060606	03200	V	-	1	1800	-
171.64	YG-060606A	03201	V	-	1	700	-
132.36	YG-080403	03202	V	-	1	1100	-
132.36	YG-080403A	03203	V	-	1	400	-
141.20	YG-080404	03204	V	-	1	1200	-
141.20	YG-080404A	03205	V	-	1	500	-
159.19	YG-080603	03206	V	-	1	1500	-
159.19	YG-080603A	03207	V	-	1	600	-
175.80	YG-080604	03208	V	-	1	1600	-
175.80	YG-080604A	03209	V	-	1	600	-
207.69	YG-080606	03210	V	-	1	2200	-
204.85	YG-080606A	03211	V	-	1	800	-
227.49	YG-080804	03212	V	-	1	2400	-
224.26	YG-080804A	03213	V	-	1	900	-
259.76	YG-080806	03214	V	-	1	2900	-
259.76	YG-080806A	03215	V	-	1	1100	-
329.11	YG-080808	03216	V	-	1	3300	-
329.11	YG-080808A	03217	V	-	1	1300	-
236.25	YG-100604	03218	V	-	1	2200	-
236.25	YG-100604A	03219	V	-	1	800	-
276.22	YG-100606	03220	V	-	1	2400	-
276.22	YG-100606A	03221	V	-	1	900	-
303.24	YG-100804	03222	V	-	1	2900	-
303.24	YG-100804A	03223	V	-	1	1100	-
356.14	YG-100806	03224	V	-	1	3400	-
356.14	YG-100806A	03225	V	-	1	1300	-
394.92	YG-100808	03226	V	-	1	4100	-
394.92	YG-100808A	03227	V	-	1	1500	-
376.11	YG-101004	03228	V	-	1	3100	-
376.11	YG-101004A	03229	V	-	1	1200	-

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411.32	YG-101006	03230	V	-	1	3900	-
405.51	YG-101006A	03231	V	-	1	1500	-
474.84	YG-101008	03232	V	-	1	4500	-
474.84	YG-101008A	03233	V	-	1	600	-
282.09	YG-120404	03234	V	-	1	2300	-
282.09	YG-120404A	03235	V	-	1	900	-
277.36	YG-120604	03236	V	-	1	2700	-
277.38	YG-120604A	03237	V	-	1	1000	-
326.76	YG-120606	03238	V	-	1	3200	-
326.76	YG-120606A	03239	V	-	1	1200	-
318.53	YG-120804	03240	V	-	1	3100	-
318.53	YG-120804A	03241	V	-	1	1200	-
364.36	YG-120806	03242	V	-	1	4000	-
364.36	YG-120806A	03243	V	-	1	1500	-
454.24	YG-120808	03244	V	-	1	4800	-
447.81	YG-120808A	03245	V	-	1	1800	-
399.63	YG-121004	03246	V	-	1	4400	-
399.63	YG-121004A	03247	V	-	1	1700	-
446.64	YG-121006	03248	V	-	1	4700	-
446.64	YG-121006A	03249	V	-	1	1800	-
503.06	YG-121008	03250	V	-	1	5000	-
503.06	YG-121008A	03251	V	-	1	1900	-
474.84	YG-121204	03252	V	-	1	4500	-
474.84	YG-121204A	03253	V	-	1	1700	-
530.54	YG-121206	03254	V	-	1	5400	-
523.04	YG-121206A	03255	V	-	1	1900	-
552.42	YG-121207	03256	V	-	1	6000	-
562.42	YG-121207A	03257	V	-	1	2200	-
591.35	YG-121208	03258	V	-	1	6600	-
582.98	YG-121208A	03259	V	-	1	2500	-
696.99	YG-121210	03260	V	-	1	7200	-
698.99	YG-121210A	03261	V	-	1	2700	-
792.28	YG-121212	03262	V	-	1	8200	-
792.28	YG-121212A	03263	V	-	1	3100	-
388.82	YG-140804	03264	V	-	1	3500	-
388.82	YG-140804A	03265	V	-	1	1300	-
432.54	YG-140806	03266	V	-	1	4000	-
432.54	YG-140806A	03267	V	-	1	1500	-
573.58	YG-140808	03268	V	-	1	5200	-
573.58	YG-140808A	03269	V	-	1	2000	-
854.58	YG-141406	03270	V	-	1	7500	-
854.58	YG-141406A	03271	V	-	1	2800	-
907.38	YG-141408	03272	V	-	1	8500	-
907.38	YG-141408A	03273	V	-	1	3200	-
1120.01	YG-141410	03274	V	-	1	9200	-
1120.01	YG-141410A	03275	V	-	1	3400	-
564.88	YG-161204	03276	V	-	1	6200	-
568.88	YG-161204A	03277	V	-	1	2300	-
669.95	YG-161206	03278	V	-	1	7300	-
669.95	YG-161206A	03279	V	-	1	2700	-
789.85	YG-161208	03280	V	-	1	8100	-
789.85	YG-161208A	03281	V	-	1	3000	-
940.38	YG-161606	03282	V	-	1	10000	-
940.38	YG-161606A	03283	V	-	1	3700	-
525.39	YG-180606	03284	V	-	1	5000	-
525.39	YG-180606A	03285	V	-	1	1900	-
595.92	YG-180804	03286	V	-	1	5200	-
595.92	YG-180804A	03287	V	-	1	2000	-
669.95	YG-180806	03288	V	-	1	5700	-
669.95	YG-180806A	03289	V	-	1	2100	-
759.29	YG-181204	03290	V	-	1	6100	-
759.29	YG-181204A	03291	V	-	1	2300	-
856.03	YG-181206	03292	V	-	1	8200	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
843.92	YG-181206A	03293	V	-	1	3100	-
936.89	YG-181208	03294	V	-	1	9700	-
936.89	YG-181208A	03295	V	-	1	3600	-
992.00	YG-181210	03296	V	-	1	10700	-
992.00	YG-181210A	03297	V	-	1	4000	-
1268.21	YG-181212	03298	V	-	1	12500	-
1268.21	YG-181212A	03299	V	-	1	4700	-
2025.18	YG-181218	03301	V	-	1	17100	-
2025.18	YG-181218A	03302	V	-	1	6400	-
1424.55	YG-181806	03304	V	-	1	13000	-
1424.55	YG-181806A	03305	V	-	1	4800	-
1618.49	YG-181808	03307	V	-	1	14100	-
1618.49	YG-181808A	03308	V	-	1	5200	-
1787.74	YG-181810	03310	V	-	1	15600	-
1787.74	YG-181810A	03311	V	-	1	5800	-
2145.88	YG-181812	03313	V	-	1	18100	-
2145.88	YG-181812A	03314	V	-	1	6700	-
1268.21	YG-241206	03316	V	-	1	10500	-
1268.21	YG-241206A	03317	V	-	1	3900	-
1496.26	YG-241208	03319	V	-	1	12500	-
1496.26	YG-241208A	03320	V	-	1	4700	-
1994.18	YG-241212	03322	V	-	1	16000	-
1994.18	YG-241212A	03323	V	-	1	6000	-
1635.93	YG-241806	03325	V	-	1	16500	-
1635.93	YG-241806A	03326	V	-	1	6100	-
2068.40	YG-241808	03328	V	-	1	17500	-
2068.40	YG-241808A	03329	V	-	1	6500	-
2196.77	YG-241810	03331	V	-	1	19000	-
2196.77	YG-241810A	03332	V	-	1	7000	-
2392.23	YG-241812	03334	V	-	1	23500	-
2269.65	YG-241812A	03335	V	-	1	8700	-
2199.12	YG-242406	03336	V	-	1	22500	-
2199.12	YG-242406A	03337	V	-	1	8400	-
2453.81	YG-242408	03338	V	-	1	23500	-
2453.81	YG-242408A	03339	V	-	1	8700	-
2682.19	YG-242410	03340	V	-	1	26000	-
2682.19	YG-242410A	03341	V	-	1	9600	-
2948.78	YG-242412	03342	V	-	1	30000	-
2948.78	YG-242412A	03343	V	-	1	11100	-
1779.51	YG-281208	03344	V	-	1	15000	-
1779.51	YG-281208A	03345	V	-	1	5600	-
2110.96	YG-281212	03346	V	-	1	18500	-
2110.96	YG-281212A	03347	V	-	1	6900	-
3657.77	YG-302408	03348	V	-	1	31000	-
3657.77	YG-302408A	03349	V	-	1	11500	-
3962.18	YG-302410	03350	V	-	1	33500	-
3962.18	YG-302410A	03351	V	-	1	12400	-
4221.94	YG-302412	03352	V	-	1	36000	-
4221.94	YG-302412A	03353	V	-	1	13400	-
5625.33	YG-302418	03354	V	-	1	48000	-
5625.33	YG-302418A	03355	V	-	1	15900	-
2484.73	YG-361806	03356	V	-	1	24500	-
2484.73	YG-361806A	03357	V	-	1	9100	-
2748.96	YG-361808	03358	V	-	1	26000	-
2748.96	YG-361808A	03359	V	-	1	9600	-
3657.77	YG-361812	03360	V	-	1	35000	-
3657.77	YG-361812A	03361	V	-	1	13000	-
6801.46	YG-361818	03362	V	-	1	55000	-
6801.46	YG-361818A	03363	V	-	1	20900	-
7538.63	YG-362418	03364	V	-	1	65000	-
7538.63	YG-362418A	03365	V	-	1	24500	-
5867.02	YG-363608	03366	V	-	1	48500	-
5867.02	YG-363608A	03367	V	-	1	18400	-
6406.97	YG-363612	03368	V	-	1	53000	-
6406.97	YG-363612A	03369	V	-	1	20000	-
6850.88	YG-363618	03370	V	-	1	85000	-
6850.88	YG-363618A	03371	V	-	1	31500	-
41.12	YL-040403	03372	UA	-	1	600	-
40.53	YL-040403A	03373	UA	-	1	200	-
56.94	YL-040404	03374	UA	-	1	700	-
56.94	YL-040404A	03375	UA	-	1	300	-
61.59	YL-050503	03376	UA	-	1	800	-
60.71	YL-050503A	03377	UA	-	1	300	-
70.27	YL-050504	03378	UA	-	1	900	-
69.27	YL-050504A	03379	UA	-	1	400	-
61.59	YL-060403	03380	UA	-	1	800	-
60.71	YL-060403A	03381	UA	-	1	300	-
74.16	YL-060404	03382	UA	-	1	1000	-
73.12	YL-060404A	03383	UA	-	1	400	-
86.15	YL-060603	03384	UA	-	1	1000	-
84.93	YL-060603A	03385	UA	-	1	400	-
95.78	YL-060604	03386	UA	-	1	1200	-
95.78	YL-060604A	03387	UA	-	1	500	-
112.93	YL-060605	03388	UA	-	1	1400	-
112.93	YL-060605A	03389	UA	-	1	500	-
139.87	YL-060606	03390	UA	-	1	1600	-
137.90	YL-060606A	03391	UA	-	1	600	-
252.82	YL-060610	03392	UA	-	1	3100	-
252.82	YL-060610A	03393	UA	-	1	1200	-
78.32	YL-080403	03394	UA	-	1	1000	-
78.32	YL-080403A	03395	UA	-	1	400	-
93.06	YL-080404	03396	UA	-	1	1100	-
93.06	YL-080404A	03397	UA	-	1	400	-
103.13	YL-080603	03398	UA	-	1	1200	-
103.13	YL-080603A	03399	UA	-	1	500	-
106.69	YL-080604	03400	UA	-	1	1400	-
105.19	YL-080604A	03401	UA	-	1	500	-
135.86	YL-080605	03402	UA	-	1	1600	-
135.86	YL-080605A	03403	UA	-	1	600	-
174.10	YL-080606	03404	UA	-	1	2100	-
171.64	YL-080606A	03405	UA	-	1	800	-
138.40	YL-080803	03406	UA	-	1	1600	-
138.40	YL-080803A	03407	UA	-	1	600	-
150.25	YL-080804	03408	UA	-	1	1700	-
150.25	YL-080804A	03409	UA	-	1	600	-
200.71	YL-080805	03410	UA	-	1	2400	-
200.71	YL-080805A	03411	UA	-	1	900	-
213.43	YL-080806	03412	UA	-	1	2800	-
213.43	YL-080806A	03413	UA	-	1	1100	-
200.41	YL-080808	03414	UA	-	1	3300	-
276.44	YL-080808A	03415	UA	-	1	1300	-
123.46	YL-090603	03416	UA	-	1	1400	-
123.46	YL-090603A	03417	UA	-	1	500	-
133.52	YL-090604	03418	UA	-	1	1700	-
131.84	YL-090604A	03419	UA	-	1	600	-
155.04	YL-100604	03420	UA	-	1	1900	-
155.04	YL-100604A	03421	UA	-	1	700	-
200.71	YL-100605	03422	UA	-	1	2200	-
200.71	YL-100605A	03423	UA	-	1	800	-
218.70	YL-100606	03424	UA	-	1	2500	-
218.70	YL-100606A	03425	UA	-	1	1000	-
205.01	YL-100804	03426	UA	-	1	2200	-
202.19	YL-100804A	03427	UA	-	1	800	-
246.39	YL-100805	03428	UA	-	1	2700	-
246.39	YL-100805A	03429	UA	-	1	1000	-
255.38	YL-100806	03430	UA	-	1	3100	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
251.76	YL-100806A	03431	UA	-	1	1200	-
344.32	YL-100808	03432	UA	-	1	4100	-
344.32	YL-100808A	03433	UA	-	1	1500	-
473.99	YL-100810	03434	UA	-	1	5300	-
473.99	YL-100810A	03435	UA	-	1	2000	-
215.95	YL-101003	03436	UA	-	1	2300	-
215.95	YL-101003A	03437	UA	-	1	900	-
229.78	YL-101004	03438	UA	-	1	2700	-
229.78	YL-101004A	03439	UA	-	1	1000	-
243.62	YL-101005	03440	UA	-	1	3000	-
243.62	YL-101005A	03441	UA	-	1	1100	-
280.41	YL-101006	03442	UA	-	1	3400	-
276.44	YL-101006A	03443	UA	-	1	1300	-
184.08	YL-120603	03444	UA	-	1	1700	-
184.08	YL-120603A	03445	UA	-	1	600	-
197.96	YL-120604	03446	UA	-	1	2000	-
195.17	YL-120604A	03447	UA	-	1	800	-
241.50	YL-120606	03448	UA	-	1	3000	-
238.89	YL-120606A	03449	UA	-	1	1100	-
228.39	YL-120804	03450	UA	-	1	2800	-
228.39	YL-120804A	03451	UA	-	1	1100	-
317.96	YL-120806	03452	UA	-	1	3400	-
313.46	YL-120806A	03453	UA	-	1	1300	-
399.87	YL-120808	03454	UA	-	1	4200	-
399.87	YL-120808A	03455	UA	-	1	1600	-
298.66	YL-121004	03456	UA	-	1	3300	-
298.66	YL-121004A	03457	UA	-	1	1300	-
344.32	YL-121005	03458	UA	-	1	3600	-
344.32	YL-121005A	03459	UA	-	1	1400	-
364.86	YL-121006	03460	UA	-	1	4200	-
364.86	YL-121006A	03461	UA	-	1	1600	-
440.58	YL-121008	03462	UA	-	1	5100	-
440.58	YL-121008A	03463	UA	-	1	1900	-
302.37	YL-121203	03464	UA	-	1	3200	-
302.37	YL-121203A	03465	UA	-	1	1200	-
336.75	YL-121204	03466	UA	-	1	3900	-
331.98	YL-121204A	03467	UA	-	1	1500	-
385.57	YL-121206	03468	UA	-	1	4600	-
385.57	YL-121206A	03469	UA	-	1	1700	-
436.98	YL-121208	03470	UA	-	1	5600	-
438.78	YL-121208A	03471	UA	-	1	2100	-
684.72	YL-121210	03472	UA	-	1	8300	-
684.72	YL-121210A	03473	UA	-	1	3100	-
715.88	YL-121212	03474	UA	-	1	9600	-
715.88	YL-121212A	03475	UA	-	1	3600	-
262.86	YL-140804	03476	UA	-	1	3200	-
262.86	YL-140804A	03477	UA	-	1	1200	-
313.46	YL-140806	03478	UA	-	1	4000	-
313.46	YL-140806A	03479	UA	-	1	1500	-
523.26	YL-141006	03480	UA	-	1	4800	-
523.26	YL-141006A	03481	UA	-	1	1800	-
562.77	YL-141008	03482	UA	-	1	7100	-
562.77	YL-141008A	03483	UA	-	1	2700	-
583.75	YL-141406	03484	UA	-	1	6100	-
583.75	YL-141406A	03485	UA	-	1	2300	-
635.57	YL-141408	03486	UA	-	1	7100	-
635.57	YL-141408A	03487	UA	-	1	2700	-
889.82	YL-141410	03488	UA	-	1	9000	-
889.82	YL-141410A	03489	UA	-	1	3400	-
275.21	YL-150604	03490	UA	-	1	2800	-
275.21	YL-150604A	03491	UA	-	1	1100	-
573.86	YL-150808	03492	UA	-	1	6200	-
573.86	YL-150808A	03493	UA	-	1	2300	-
296.19	YL-150904	03494	UA	-	1	3200	-
296.19	YL-150904A	03495	UA	-	1	1200	-
313.46	YL-150906	03496	UA	-	1	4000	-
313.46	YL-150906A	03497	UA	-	1	1500	-
502.29	YL-151006	03498	UA	-	1	5300	-
502.29	YL-151006A	03499	UA	-	1	2000	-
488.71	YL-161006	03500	UA	-	1	5400	-
508.47	YL-161006A	03501	UA	-	1	2000	-
566.47	YL-161008	03502	UA	-	1	6300	-
566.47	YL-161008A	03503	UA	-	1	2400	-
519.56	YL-161204	03504	UA	-	1	5100	-
519.56	YL-161204A	03505	UA	-	1	1900	-
556.59	YL-161206	03506	UA	-	1	6000	-
556.59	YL-161206A	03507	UA	-	1	2200	-
609.86	YL-161208	03508	UA	-	1	7200	-
609.86	YL-161208A	03509	UA	-	1	2700	-
775.03	YL-161606	03510	UA	-	1	7600	-
775.03	YL-161606A	03511	UA	-	1	2800	-
328.51	YL-180604	03512	UA	-	1	2900	-
329.51	YL-180604A	03513	UA	-	1	1100	-
419.61	YL-180606	03514	UA	-	1	4600	-
419.61	YL-180606A	03515	UA	-	1	1700	-
459.10	YL-180806	03516	UA	-	1	5800	-
459.10	YL-180806A	03517	UA	-	1	2200	-
573.86	YL-180808	03518	UA	-	1	6200	-
573.86	YL-180808A	03519	UA	-	1	2300	-
556.59	YL-181204	03520	UA	-	1	5200	-
556.59	YL-181204A	03521	UA	-	1	2000	-
609.86	YL-181206	03522	UA	-	1	6600	-
661.03	YL-181206A	03523	UA	-	1	2500	-
752.82	YL-181208	03524	UA	-	1	7900	-
752.82	YL-181208A	03525	UA	-	1	3000	-
930.54	YL-181210	03526	UA	-	1	9800	-
930.54	YL-181210A	03527	UA	-	1	3700	-
1236.60	YL-181212	03528	UA	-	1	12600	-
1236.60	YL-181212A	03529	UA	-	1	4700	-
765.18	YL-181406	03530	UA	-	1	8300	-
765.18	YL-181406A	03531	UA	-	1	3100	-
846.61	YL-181408	03532	UA	-	1	9500	-
846.61	YL-181408A	03533	UA	-	1	3500	-
840.45	YL-181606	03534	UA	-	1	8800	-
840.45	YL-181606A	03535	UA	-	1	3300	-
889.82	YL-181608	03536	UA	-	1	10000	-
889.82	YL-181608A	03537	UA	-	1	3700	-
834.98	YL-181806	03538	UA	-	1	9700	-
823.18	YL-181806A	03539	UA	-	1	3600	-
1804.58	YL-181808	03540	UA	-	1	11200	-
1804.58	YL-181808A	03541	UA	-	1	4200	-
1486.93	YL-181810	03542	UA	-	1	13200	-
1486.93	YL-181810A	03543	UA	-	1	4900	-
1563.59	YL-181812	03544	UA	-	1	14700	-
1561.19	YL-181812A	03545	UA	-	1	5500	-
655.33	YL-201006	03546	UA	-	1	6400	-
655.33	YL-201006A	03547	UA	-	1	2400	-
703.45	YL-201008	03548	UA	-	1	7400	-
703.45	YL-201008A	03549	UA	-	1	2800	-
1336.57	YL-202006	03550	UA	-	1	13300	-
1336.57	YL-202006A	03551	UA	-	1	5000	-
663.97	YL-240806	03552	UA	-	1	7400	-
653.97	YL-240806A	03553	UA	-	1	2800	-
758.00	YL-240808	03554	UA	-	1	8200	-
758.00	YL-240808A	03555	UA	-	1	3100	-
766.39	YL-241206	03556	UA	-	1	8800	-

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766.39	YL-241206A	03557	UA	-	1	3300	-
1003.35	YL-241208	03558	UA	-	1	10500	-
1003.35	YL-241208A	03559	UA	-	1	3900	-
1274.86	YL-241212	03560	UA	-	1	13600	-
1274.86	YL-241212A	03561	UA	-	1	5100	-
977.44	YL-241606	03562	UA	-	1	11700	-
977.44	YL-241606A	03563	UA	-	1	4400	-
1092.22	YL-241608	03564	UA	-	1	12700	-
1092.22	YL-241608A	03565	UA	-	1	4700	-
1121.82	YL-241806	03566	UA	-	1	13000	-
1121.82	YL-241806A	03567	UA	-	1	4800	-
1406.93	YL-241808	03568	UA	-	1	14900	-
1406.93	YL-241808A	03569	UA	-	1	5500	-
1561.19	YL-241810	03570	UA	-	1	17500	-
1561.19	YL-241810A	03571	UA	-	1	6500	-
1700.64	YL-241812	03572	UA	-	1	19500	-
1700.64	YL-241812A	03573	UA	-	1	7200	-
1594.51	YL-242406	03574	UA	-	1	17800	-
1594.51	YL-242406A	03575	UA	-	1	6600	-
1865.18	YL-242408	03576	UA	-	1	19400	-
1779.62	YL-242408A	03577	UA	-	1	7200	-
2152.34	YL-242410	03578	UA	-	1	23800	-
2152.34	YL-242410A	03579	UA	-	1	8800	-
2525.05	YL-242412	03580	UA	-	1	28000	-
2525.05	YL-242412A	03581	UA	-	1	10400	-
1206.98	YL-281206	03582	UA	-	1	11700	-
1206.98	YL-281206A	03583	UA	-	1	4400	-
1285.97	YL-281208	03584	UA	-	1	13700	-
1285.97	YL-281208A	03585	UA	-	1	5100	-
752.82	YL-300806	03586	UA	-	1	9400	-
752.82	YL-300806A	03587	UA	-	1	3500	-
988.54	YL-300808	03588	UA	-	1	10400	-
988.54	YL-300808A	03589	UA	-	1	3900	-
1869.46	YL-301808	03590	UA	-	1	21000	-
1869.46	YL-301808A	03591	UA	-	1	7800	-
2558.38	YL-301812	03592	UA	-	1	29000	-
2558.38	YL-301812A	03593	UA	-	1	10800	-
3106.34	YL-301814	03594	UA	-	1	34000	-
3106.34	YL-301814A	03595	UA	-	1	12600	-
1954.68	YL-302406	03596	UA	-	1	22500	-
1954.68	YL-302406A	03597	UA	-	1	8400	-
2131.36	YL-302408	03598	UA	-	1	24400	-
2131.36	YL-302408A	03599	UA	-	1	9100	-
2953.30	YL-302412	03600	UA	-	1	32400	-
2953.30	YL-302412A	03601	UA	-	1	12000	-
855.25	YL-360606	03602	UA	-	1	11200	-
855.25	YL-360606A	03603	UA	-	1	4200	-
2077.06	YL-361208	03604	UA	-	1	19500	-
2077.06	YL-361208A	03605	UA	-	1	7200	-
2601.57	YL-361212	03606	UA	-	1	23500	-
2601.57	YL-361212A	03607	UA	-	1	8700	-
2337.46	YL-361808	03608	UA	-	1	24500	-
2337.46	YL-361808A	03609	UA	-	1	9100	-
3028.58	YL-362408	03610	UA	-	1	27000	-
3028.58	YL-362408A	03611	UA	-	1	10000	-
4008.49	YL-362412	03612	UA	-	1	39000	-
4008.49	YL-362412A	03613	UA	-	1	14500	-
4499.68	YL-363608	03614	UA	-	1	43000	-
4499.68	YL-363608A	03615	UA	-	1	15900	-
5261.15	YL-363612	03616	UA	-	1	50000	-
5261.15	YL-363612A	03617	UA	-	1	18500	-
67.14	YM-0808-1	03618	UA	-	1	-	-
68.17	YM-0808-1A	03619	UA	-	1	-	-
67.14	YM-0808-2	03620	UA	-	1	-	-
68.17	YM-0808-2A	03621	UA	-	1	-	-
70.86	YM-1006-2	03622	UA	-	1	-	-
70.86	YM-1008-1	03623	UA	-	1	-	-
71.44	YM-1008-1A	03624	UA	-	1	-	-
70.86	YM-1008-2	03625	UA	-	1	-	-
71.44	YM-1008-2A	03626	UA	-	1	-	-
73.90	YM-1010-1	03627	UA	-	1	-	-
75.66	YM-1010-1A	03628	UA	-	1	-	-
73.90	YM-1010-2	03629	UA	-	1	-	-
75.66	YM-1010-2A	03630	UA	-	1	-	-
73.86	YM-1206-2	03631	UA	-	1	-	-
73.86	YM-1208-1	03632	UA	-	1	-	-
74.77	YM-1208-1A	03633	UA	-	1	-	-
73.86	YM-1208-2	03634	UA	-	1	-	-
74.77	YM-1208-2A	03635	UA	-	1	-	-
77.73	YM-1210-1	03636	UA	-	1	-	-
79.87	YM-1210-1A	03637	UA	-	1	-	-
77.73	YM-1210-2	03638	UA	-	1	-	-
79.87	YM-1210-2A	03639	UA	-	1	-	-
82.46	YM-1212-1	03640	UA	-	1	-	-
85.09	YM-1212-1A	03641	UA	-	1	-	-
82.46	YM-1212-2	03642	UA	-	1	-	-
85.09	YM-1212-2A	03643	UA	-	1	-	-
76.09	YM-1408-1	03644	UA	-	1	-	-
115.70	YM-1408-1A	03645	UA	-	1	-	-
76.09	YM-1408-2	03646	UA	-	1	-	-
115.70	YM-1408-2A	03647	UA	-	1	-	-
92.76	YM-1414-1	03648	UA	-	1	-	-
168.88	YM-1414-1A	03649	UA	-	1	-	-
92.76	YM-1414-2	03650	UA	-	1	-	-
168.88	YM-1414-2A	03651	UA	-	1	-	-
78.92	YM-1608-1	03652	UA	-	1	-	-
124.83	YM-1608-1A	03653	UA	-	1	-	-
78.92	YM-1608-2	03654	UA	-	1	-	-
124.83	YM-1608-2A	03655	UA	-	1	-	-
91.89	YM-1612-1	03656	UA	-	1	-	-
184.72	YM-1612-1A	03657	UA	-	1	-	-
91.89	YM-1612-2	03658	UA	-	1	-	-
184.72	YM-1612-2A	03659	UA	-	1	-	-
184.82	YM-1616-1	03660	UA	-	1	-	-
204.85	YM-1616-1A	03661	UA	-	1	-	-
184.82	YM-1616-2	03662	UA	-	1	-	-
204.85	YM-1616-2A	03663	UA	-	1	-	-
81.96	YM-1808-1	03664	UA	-	1	-	-
133.91	YM-1808-1A	03665	UA	-	1	-	-
81.96	YM-1808-2	03666	UA	-	1	-	-
133.91	YM-1808-2A	03667	UA	-	1	-	-
88.21	YM-1810-1	03668	UA	-	1	-	-
156.41	YM-1810-1A	03669	UA	-	1	-	-
88.21	YM-1810-2	03670	UA	-	1	-	-
156.41	YM-1810-2A	03671	UA	-	1	-	-
96.61	YM-1812-1	03672	UA	-	1	-	-
179.94	YM-1812-1A	03673	UA	-	1	-	-
96.61	YM-1812-2	03674	UA	-	1	-	-
179.94	YM-1812-2A	03675	UA	-	1	-	-
103.88	YM-1814-1	03676	UA	-	1	-	-
202.10	YM-1814-1A	03677	UA	-	1	-	-
103.88	YM-1814-2	03678	UA	-	1	-	-
202.10	YM-1814-2A	03679	UA	-	1	-	-
120.65	YM-1816-2	03680	UA	-	1	-	-
224.26	YM-1816-2A	03681	UA	-	1	-	-
133.24	YM-1818-1	03682	UA	-	1	-	-

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262.86	YM-1818-1A	03683	UA	-	1	-	-
133.24	YM-1818-2	03684	UA	-	1	-	-
262.86	YM-1818-2A	03685	UA	-	1	-	-
107.71	YM-2010-1	03686	UA	-	1	-	-
182.71	YM-2010-1A	03687	UA	-	1	-	-
107.71	YM-2010-2	03688	UA	-	1	-	-
182.71	YM-2010-2A	03689	UA	-	1	-	-
142.57	YM-2020-2	03690	UA	-	1	-	-
293.73	YM-2020-2A	03691	UA	-	1	-	-
119.96	YM-2412-1	03692	UA	-	1	-	-
217.33	YM-2412-1A	03693	UA	-	1	-	-
148.11	YM-2418-1	03694	UA	-	1	-	-
303.59	YM-2418-1A	03695	UA	-	1	-	-
179.94	YM-2424-1	03696	UA	-	1	-	-
394.92	YM-2424-1A	03697	UA	-	1	-	-
128.31	YM-2812-1	03698	UA	-	1	-	-
243.62	YM-2812-1A	03699	UA	-	1	-	-
152.74	YM-3012-1	03700	UA	-	1	-	-
257.94	YM-3012-1A	03701	UA	-	1	-	-
170.26	YM-3018-1	03702	UA	-	1	-	-
371.47	YM-3018-1A	03703	UA	-	1	-	-
267.63	YM-3024-1	03704	UA	-	1	-	-
485.01	YM-3024-1A	03705	UA	-	1	-	-
145.33	YM-3612-1	03706	UA	-	1	-	-
287.42	YM-3612-1A	03707	UA	-	1	-	-
185.26	YM-3618-1	03708	UA	-	1	-	-
434.40	YM-3618-1A	03709	UA	-	1	-	-
236.69	YM-3624-1	03710	UA	-	1	-	-
575.11	YM-3624-1A	03711	UA	-	1	-	-
288.15	YM-3630-1	03712	UA	-	1	-	-
712.09	YM-3630-1A	03713	UA	-	1	-	-
325.80	YM-3636-1	03714	UA	-	1	-	-
847.85	YM-3636-1A	03715	UA	-	1	-	-
1191.87	YNY-1812-DIV	00000	UA	-	1	10600	-
1865.82	YNY-2418-DIV	00000	UA	-	1	16500	-
1796.92	YNY-3018-DIV	00000	UA	-	1	19000	-
2028.28	YNY-3618-DIV	00000	UA	-	1	22000	-
2516.41	YNY-3624-DIV	00000	UA	-	1	27000	-
5538.83	YNY-4824-DIV	00000	UA	-	1	36000	-
677.01	YPE-20	03722	V	-	1	4700	-
677.01	YPE-20A	03723	V	-	1	2400	-
847.44	YPE-26	03724	V	-	1	5700	-
847.44	YPE-26A	03725	V	-	1	3200	-
1153.04	YPE-31	03726	V	-	1	8000	-
1153.04	YPE-31A	03727	V	-	1	4400	-
1727.79	YPE-41	03728	V	-	1	11500	-
1727.79	YPE-41A	03729	V	-	1	6600	-
471.44	YPW-20	03730	UA	-	1	3400	-
471.44	YPW-20A	03731	UA	-	1	1600	-
523.26	YPW-26	03732	UA	-	1	3900	-
523.26	YPW-26A	03733	UA	-	1	2000	-
1032.98	YPW-31	03734	UA	-	1	7400	-
1032.98	YPW-31A	03735	UA	-	1	3300	-
1424.19	YPW-41	03736	UA	-	1	9500	-
1424.19	YPW-41A	03737	UA	-	1	4600	-
65.92	YR-040403	03738	UA	-	1	700	-
69.49	YR-040403CS	03739	UA	-	1	800	-
69.49	YR-040403CSV	03740	UA	-	1	800	-
72.62	YR-040404	03741	UA	-	1	800	-
75.28	YR-040404CS	03742	UA	-	1	900	-
76.36	YR-040404CSV	03743	UA	-	1	900	-
88.13	YR-060403	03744	UA	-	1	900	-
92.62	YR-060403CS	03745	UA	-	1	1000	-
92.92	YR-060403CSV	03746	UA	-	1	1000	-
99.40	YR-060404	03747	UA	-	1	1000	-
101.91	YR-060404CS	03748	UA	-	1	1100	-
104.25	YR-060404CSV	03749	UA	-	1	1100	-
115.62	YR-060603	03750	UA	-	1	1100	-
121.27	YR-060603CS	03751	UA	-	1	1400	-
121.63	YR-060603CSV	03752	UA	-	1	1400	-
127.21	YR-060604	03753	UA	-	1	1500	-
131.94	YR-060604CS	03754	UA	-	1	1700	-
133.85	YR-060604CSV	03755	UA	-	1	1700	-
165.69	YR-060606	03756	UA	-	1	1800	-
171.64	YR-060606CS	03757	UA	-	1	2000	-
174.10	YR-060606CSV	03758	UA	-	1	2000	-
120.85	YR-080403	03759	UA	-	1	1300	-
126.87	YR-080403CS	03760	UA	-	1	1500	-
141.20	YR-080403CSV	03761	UA	-	1	1500	-
136.42	YR-080404	03763	UA	-	1	1400	-
138.33	YR-080404CS	03764	UA	-	1	1600	-
138.40	YR-080404CSV	03765	UA	-	1	1600	-
152.26	YR-080603	03766	UA	-	1	1600	-
159.19	YR-080603CS	03767	UA	-	1	1800	-
161.97	YR-080603CSV	03768	UA	-	1	1800	-
171.30	YR-080604	03769	UA	-	1	1700	-
175.89	YR-080604CS	03770	UA	-	1	1900	-
178.31	YR-080604CSV	03771	UA	-	1	1900	-
197.88	YR-080606	03772	UA	-	1	2800	-
207.83	YR-080606CS	03773	UA	-	1	3000	-
210.61	YR-080606CSV	03774	UA	-	1	3000	-
220.45	YR-080804	03776	UA	-	1	2600	-
229.78	YR-080804CS	03777	UA	-	1	2800	-
233.88	YR-080804CSV	03778	UA	-	1	3000	-
256.62	YR-080806	03779	UA	-	1	3200	-
266.57	YR-080806CS	03781	UA	-	1	3400	-
270.40	YR-080806CSV	03782	UA	-	1	3600	-
415.63	YR-080808	03783	UA	-	1	3800	-
430.70	YR-080808CS	03784	UA	-	1	4000	-
436.90	YR-080808CSV	03786	UA	-	1	4200	-
214.55	YR-100604	03787	UA	-	1	2200	-
224.26	YR-100604CS	03788	UA	-	1	2400	-
224.26	YR-100604CSV	03789	UA	-	1	2400	-
254.22	YR-100606	03791	UA	-	1	2700	-
264.18	YR-100606CS	03792	UA	-	1	3100	-
269.84	YR-100606CSV	03793	UA	-	1	3300	-
343.99	YR-100806	03794	UA	-	1	3400	-
357.89	YR-100806CS	03796	UA	-	1	3900	-
357.89	YR-100806CSV	03797	UA	-	1	4100	-
360.37	YR-101004	03798	UA	-	1	3300	-
360.37	YR-101004CSV	13783	UA	-	1	-	-
524.21	YR-101008CSV	13784	UA	-	1	4500	-
376.89	YR-101004CS	03799	UA	-	1	3600	-
385.58	YR-101006	03801	UA	-	1	4000	-
412.26	YR-101006CS	03802	UA	-	1	4300	-
473.19	YR-101008	03804	UA	-	1	4600	-
484.48	YR-101008CS	03806	UA	-	1	5000	-
253.88	YR-120604	03808	UA	-	1	2700	-
266.57	YR-120604CS	03809	UA	-	1	3000	-
268.57	YR-120604CSV	03810	UA	-	1	3000	-
308.53	YR-120606	03811	UA	-	1	3300	-
323.34	YR-120606CS	03812	UA	-	1	3700	-
323.34	YR-120606CSV	03813	UA	-	1	3700	-
295.56	YR-120804	03814	UA	-	1	3300	-
313.46	YR-120804CS	03815	UA	-	1	3800	-
313.46	YR-120804CSV	03816	UA	-	1	4100	-

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350.49	YR-120806	03817	UA	-	1	3900	-
364.06	YR-120806CS	03818	UA	-	1	4400	-
364.06	YR-120806CSV	03819	UA	-	1	4700	-
445.65	YR-120808	03820	UA	-	1	5200	-
460.33	YR-120808CS	03821	UA	-	1	5500	-
465.69	YR-120808CSV	03822	UA	-	1	6000	-
385.84	YR-121004	03823	UA	-	1	3800	-
406.04	YR-121004CS	03824	UA	-	1	4100	-
462.80	YR-121004CSV	03825	UA	-	1	5000	-
436.88	YR-121006	03826	UA	-	1	4600	-
459.10	YR-121006CS	03827	UA	-	1	4900	-
514.63	YR-121006CSV	03828	UA	-	1	5800	-
467.73	YR-121008	03829	UA	-	1	5600	-
488.95	YR-121008CS	03830	UA	-	1	6000	-
545.48	YR-121008CSV	03831	UA	-	1	6900	-
556.59	YR-121010	03832	UA	-	1	6400	-
584.99	YR-121010CS	03833	UA	-	1	6700	-
636.81	YR-121010CSV	03834	UA	-	1	7600	-
466.51	YR-121204	03835	UA	-	1	5400	-
488.71	YR-121204CS	03836	UA	-	1	5900	-
555.37	YR-121204CSV	03837	UA	-	1	6900	-
522.01	YR-121206	03838	UA	-	1	5100	-
549.57	YR-121206CS	03839	UA	-	1	5500	-
584.62	YR-121208	03841	UA	-	1	7100	-
606.42	YR-121206CSV	03840	UA	-	1	6600	-
614.65	YR-121208CS	03842	UA	-	1	7600	-
667.67	YR-121208CSV	03843	UA	-	1	8600	-
692.36	YR-121210	03844	UA	-	1	8700	-
728.14	YR-121210CS	03845	UA	-	1	9200	-
787.38	YR-121210CSV	03846	UA	-	1	10200	-
804.93	YR-121212	03847	UA	-	1	9800	-
845.01	YR-121212CS	03848	UA	-	1	10300	-
884.87	YR-121212CSV	03849	UA	-	1	11300	-
1215.63	YR-121218	03850	UA	-	1	13500	-
1279.81	YR-121218CS	03851	UA	-	1	13900	-
1310.65	YR-121218CSV	03852	UA	-	1	14900	-
388.74	YR-140806	03854	UA	-	1	-	-
409.73	YR-140806CSV	03856	UA	-	1	-	-
539.32	YR-161204	03857	UA	-	1	-	-
567.71	YR-140806CS	03855	UA	-	1	-	-
645.45	YR-161204CSV	03858	UA	-	1	-	-
645.45	YR-161206	03859	UA	-	1	-	-
678.77	YR-161206CS	03860	UA	-	1	-	-
752.82	YR-161206CSV	03861	UA	-	1	-	-
784.91	YR-161208	03862	UA	-	1	-	-
824.97	YR-161208CS	03863	UA	-	1	-	-
879.94	YR-161208CSV	03864	UA	-	1	-	-
977.44	YR-161408	03865	UA	-	1	-	-
1025.56	YR-161408CS	03866	UA	-	1	-	-
1173.65	YR-161408CSV	03867	UA	-	1	-	-
493.65	YR-180606	03868	UA	-	1	-	-
519.56	YR-180606CS	03869	UA	-	1	-	-
519.56	YR-180606CSV	03870	UA	-	1	-	-
545.45	YR-180808	03871	UA	-	1	-	-
678.77	YR-180808CS	03872	UA	-	1	-	-
678.77	YR-180808CSV	03873	UA	-	1	-	-
844.16	YR-181008	03874	UA	-	1	-	-
884.87	YR-181008CS	03875	UA	-	1	-	-
1012.01	YR-181008CSV	03876	UA	-	1	-	-
731.84	YR-181204	03877	UA	-	1	-	-
766.39	YR-181204CS	03878	UA	-	1	-	-
877.47	YR-181204CSV	03879	UA	-	1	-	-
823.18	YR-181206	03880	UA	-	1	-	-

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865.13	YR-181206CS	03881	UA	-	1	-	-
968.80	YR-181206CSV	03882	UA	-	1	-	-
923.86	YR-181208	03883	UA	-	1	-	-
972.69	YR-181208CS	03884	UA	-	1	-	-
1058.68	YR-181208CSV	03885	UA	-	1	-	-
979.90	YR-181210	03886	UA	-	1	-	-
1029.28	YR-181210CS	03887	UA	-	1	-	-
1125.53	YR-181210CSV	03888	UA	-	1	-	-
1290.90	YR-181212	03889	UA	-	1	-	-
1355.09	YR-181212CS	03890	UA	-	1	-	-
1436.53	YR-181212CSV	03891	UA	-	1	-	-
1984.28	YR-181218	03892	UA	-	1	-	-
2080.54	YR-181218CS	03893	UA	-	1	-	-
2051.14	YR-181218CSV	03894	UA	-	1	-	-
1522.84	YR-181806	03895	UA	-	1	-	-
1600.67	YR-181806CS	03896	UA	-	1	-	-
1825.29	YR-181806CSV	03897	UA	-	1	-	-
1663.61	YR-181808	03898	UA	-	1	-	-
1745.08	YR-181808CS	03899	UA	-	1	-	-
1967.23	YR-181808CSV	03900	UA	-	1	-	-
1810.48	YR-181810	03901	UA	-	1	-	-
1900.59	YR-181810CS	03902	UA	-	1	-	-
2112.84	YR-181810CSV	03903	UA	-	1	-	-
2214.53	YR-181812	03904	UA	-	1	-	-
2324.78	YR-181812CS	03905	UA	-	1	-	-
2489.25	YR-181812CSV	03906	UA	-	1	-	-
2699.06	YR-201615	03907	UA	-	1	-	-
2833.58	YR-201615CS	03908	UA	-	1	-	-
3236.98	YR-201615CSV	03909	UA	-	1	-	-
958.92	YR-240808	03910	UA	-	1	-	-
1005.83	YR-240808CS	03911	UA	-	1	-	-
1151.44	YR-240808CSV	03912	UA	-	1	-	-
1394.48	YR-241206	03914	UA	-	1	-	-
1369.86	YR-241206CS	03915	UA	-	1	-	-
1566.13	YR-241206CSV	03916	UA	-	1	-	-
1506.72	YR-241208	03917	UA	-	1	-	-
1759.98	YR-241208CSV	03918	UA	-	1	-	-
1538.94	YR-241210	03919	UA	-	1	-	-
2032.62	YR-241210CS	03920	UA	-	1	-	-
2190.25	YR-241210CSV	03921	UA	-	1	-	-
2082.25	YR-241212	03922	UA	-	1	-	-
2151.11	YR-241212CS	03923	UA	-	1	-	-
2325.12	YR-241212CSV	03924	UA	-	1	-	-
1626.60	YR-241806	03925	UA	-	1	17300	-
1705.58	YR-241806CS	03926	UA	-	1	18400	-
1951.18	YR-241806CSV	03927	UA	-	1	-	-
1724.10	YR-241808	03928	UA	-	1	-	-
1810.48	YR-241808CS	03929	UA	-	1	-	-
2049.91	YR-241808CSV	03930	UA	-	1	-	-
1896.56	YR-241810	03931	UA	-	1	-	-
1992.96	YR-241810CS	03932	UA	-	1	-	-
2195.54	YR-241810CSV	03933	UA	-	1	-	-
2265.89	YR-241812	03934	UA	-	1	-	-
2379.43	YR-241812CS	03935	UA	-	1	-	-
2581.70	YR-241812CSV	03936	UA	-	1	-	-
2111.68	YR-242406	03937	UA	-	1	-	-
2217.75	YR-242406CS	03938	UA	-	1	-	-
2532.46	YR-242406CSV	03939	UA	-	1	-	-
2355.97	YR-242408	03940	UA	-	1	-	-
2473.22	YR-242408CS	03941	UA	-	1	-	-
2778.05	YR-242408CSV	03942	UA	-	1	-	-
2573.19	YR-242410	03943	UA	-	1	-	-
2701.54	YR-242410CS	03944	UA	-	1	-	-

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2905.27	YR-242410CSV	03945	UA	-	1	-	-
2824.95	YR-242412	03946	UA	-	1	-	-
2964.40	YR-242412CS	03947	UA	-	1	-	-
3247.82	YR-242412CSV	03948	UA	-	1	-	-
4586.33	YR-242418	05442	UA	-	1	-	-
4794.65	YR-242418CS	13786	UA	-	1	-	-
5507.99	YR-242424	03949	UA	-	1	-	-
5034.37	YR-242418CSV	13785	UA	-	1	-	-
5781.96	YR-242424CS	03950	UA	-	1	-	-
5926.81	YR-242424CSV	03951	UA	-	1	-	-
3813.58	YR-302408	03952	UA	-	1	-	-
4082.32	YR-302408CS	03953	UA	-	1	-	-
4576.20	YR-302408CSV	03954	UA	-	1	-	-
3996.15	YR-302410	03955	UA	-	1	-	-
4194.85	YR-302410CS	03956	UA	-	1	-	-
4847.72	YR-302410CSV	03957	UA	-	1	-	-
4361.45	YR-302412	03958	UA	-	1	-	-
4578.67	YR-302412CS	03959	UA	-	1	-	-
5125.39	YR-302412CSV	03960	UA	-	1	-	-
6713.74	YR-302418	03961	UA	-	1	-	-
7049.41	YR-302418CS	03962	UA	-	1	-	-
7477.67	YR-302418CSV	03963	UA	-	1	-	-
2681.78	YR-361808	03964	UA	-	1	-	-
2379.43	YR-361808CS	03965	UA	-	1	-	-
3214.94	YR-361808CSV	03966	UA	-	1	-	-
3638.24	YR-361812	03967	UA	-	1	-	-
3819.66	YR-361812CS	03968	UA	-	1	-	-
4173.87	YR-361812CSV	03969	UA	-	1	-	-
6674.24	YR-361818	03970	UA	-	1	-	-
7008.70	YR-361818CS	03971	UA	-	1	-	-
7212.33	YR-361818CSV	03972	UA	-	1	-	-
7897.28	YR-362418	03973	UA	-	1	-	-
8293.44	YR-362418CS	03974	UA	-	1	-	-
9476.98	YR-362418CSV	03975	UA	-	1	-	-
8328.59	YR-363618	03976	UA	-	1	-	-
8738.96	YR-363618CS	03977	UA	-	1	-	-
30.24	YS-040402	03978	UA	-	1	400	-
29.82	YS-040402A	03979	UA	-	1	200	-
37.15	YS-040403	03980	UA	-	1	500	-
36.82	YS-040403A	03981	UA	-	1	200	-
53.63	YS-040404	03982	UA	-	1	600	-
53.63	YS-040404A	03983	UA	-	1	300	-
56.37	YS-050503	03984	UA	-	1	700	-
55.57	YS-050503A	03985	UA	-	1	300	-
63.63	YS-050504	03986	UA	-	1	800	-
62.74	YS-050504A	03987	UA	-	1	300	-
56.37	YS-060403	03988	UA	-	1	700	-
55.57	YS-060403A	03989	UA	-	1	300	-
68.87	YS-060404	03990	UA	-	1	900	-
67.90	YS-060404A	03991	UA	-	1	300	-
69.91	YS-060602	03992	UA	-	1	700	-
69.91	YS-060602A	03993	UA	-	1	300	-
80.56	YS-060603	03994	UA	-	1	900	-
79.42	YS-060603A	03995	UA	-	1	400	-
90.14	YS-060604	03996	UA	-	1	1000	-
90.14	YS-060604A	03997	UA	-	1	400	-
108.43	YS-060605	03998	UA	-	1	1300	-
108.43	YS-060605A	03999	UA	-	1	500	-
125.22	YS-060606	04001	UA	-	1	1400	-
123.46	YS-060606A	04002	UA	-	1	600	-
239.45	YS-060610	04004	UA	-	1	3000	-
239.45	YS-060610A	04005	UA	-	1	1100	-
76.58	YS-070503	04007	UA	-	1	800	-
70.58	YS-070503A	04008	UA	-	1	300	-
73.77	YS-080403	04010	UA	-	1	800	-
73.77	YS-080403A	04011	UA	-	1	400	-
77.73	YS-080404	04013	UA	-	1	1000	-
77.73	YS-080404A	04014	UA	-	1	400	-
96.40	YS-080603	04016	UA	-	1	1100	-
96.40	YS-080603A	04017	UA	-	1	500	-
104.63	YS-080604	04019	UA	-	1	1400	-
103.13	YS-080604A	04020	UA	-	1	600	-
129.03	YS-080605	04022	UA	-	1	1500	-
129.03	YS-080605A	04023	UA	-	1	600	-
160.91	YS-080606	04025	UA	-	1	2000	-
167.49	YS-080606A	04026	UA	-	1	800	-
125.41	YS-080803	04028	UA	-	1	1500	-
125.41	YS-080803A	04029	UA	-	1	600	-
137.79	YS-080804	04031	UA	-	1	1700	-
137.79	YS-080804A	04032	UA	-	1	700	-
186.86	YS-080805	04034	UA	-	1	2200	-
186.86	YS-080805A	04035	UA	-	1	900	-
200.76	YS-080806	04037	UA	-	1	2700	-
200.76	YS-080806A	04038	UA	-	1	1000	-
267.89	YS-080808	04040	UA	-	1	3100	-
264.10	YS-080808A	04041	UA	-	1	1100	-
112.93	YS-090603	04043	UA	-	1	1200	-
112.93	YS-090603A	04044	UA	-	1	500	-
118.23	YS-090604	04046	UA	-	1	1400	-
118.23	YS-090604A	04047	UA	-	1	600	-
113.58	YS-100403	04049	UA	-	1	1000	-
113.58	YS-100403A	04050	UA	-	1	400	-
140.48	YS-100406	04052	UA	-	1	1800	-
140.48	YS-100406A	04053	UA	-	1	700	-
139.80	YS-100504	04054	UA	-	1	1500	-
139.80	YS-100504A	04055	UA	-	1	600	-
141.20	YS-100604	04056	UA	-	1	1700	-
141.20	YS-100604A	04057	UA	-	1	700	-
186.86	YS-100605	04058	UA	-	1	2100	-
186.86	YS-100605A	04059	UA	-	1	800	-
207.63	YS-100606	04060	UA	-	1	2300	-
207.63	YS-100606A	04061	UA	-	1	900	-
186.74	YS-100804	04062	UA	-	1	2100	-
184.09	YS-100804A	04063	UA	-	1	800	-
229.78	YS-100805	04064	UA	-	1	2600	-
229.78	YS-100805A	04065	UA	-	1	1000	-
238.67	YS-100806	04066	UA	-	1	2800	-
235.30	YS-100806A	04067	UA	-	1	1000	-
327.05	YS-100808	04068	UA	-	1	3900	-
327.05	YS-100808A	04069	UA	-	1	1400	-
419.61	YS-100810	04070	UA	-	1	5000	-
419.61	YS-100810A	04071	UA	-	1	1800	-
197.94	YS-101003	04072	UA	-	1	2100	-
197.94	YS-101003A	04073	UA	-	1	800	-
211.76	YS-101004	04074	UA	-	1	2500	-
211.76	YS-101004A	04075	UA	-	1	900	-
225.62	YS-101005	04076	UA	-	1	2900	-
225.62	YS-101005A	04077	UA	-	1	1100	-
267.86	YS-101006	04078	UA	-	1	3200	-
254.22	YS-101006A	04079	UA	-	1	1200	-
182.71	YS-120404	04080	UA	-	1	1600	-
182.71	YS-120404A	04081	UA	-	1	600	-
215.95	YS-120406	04082	UA	-	1	2500	-
215.95	YS-120406A	04083	UA	-	1	900	-
161.97	YS-120603	04084	UA	-	1	1700	-
161.97	YS-120603A	04085	UA	-	1	600	-

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179.71	YS-120604	04086	UA	-	1	2000	-
177.17	YS-120604A	04087	UA	-	1	700	-
221.84	YS-120606	04088	UA	-	1	2900	-
218.70	YS-120606A	04089	UA	-	1	1100	-
218.70	YS-120804	04090	UA	-	1	2600	-
218.70	YS-120804A	04091	UA	-	1	1000	-
296.69	YS-120806	04092	UA	-	1	3500	-
292.49	YS-120806A	04093	UA	-	1	1300	-
378.89	YS-120808	04094	UA	-	1	4300	-
378.89	YS-120808A	04095	UA	-	1	1600	-
275.21	YS-121004	04096	UA	-	1	3300	-
275.21	YS-121004A	04097	UA	-	1	1200	-
320.89	YS-121005	04098	UA	-	1	3500	-
320.89	YS-121005A	04099	UA	-	1	1300	-
339.37	YS-121006	04100	UA	-	1	4100	-
339.37	YS-121006A	04101	UA	-	1	1500	-
413.43	YS-121008	04102	UA	-	1	5000	-
413.43	YS-121008A	04103	UA	-	1	1800	-
276.44	YS-121203	04104	UA	-	1	2900	-
276.44	YS-121203A	04105	UA	-	1	1100	-
306.70	YS-121204	04106	UA	-	1	3400	-
302.37	YS-121204A	04107	UA	-	1	1200	-
356.77	YS-121206	04108	UA	-	1	4200	-
356.77	YS-121206A	04109	UA	-	1	1500	-
409.35	YS-121208	04110	UA	-	1	5200	-
403.56	YS-121208A	04111	UA	-	1	1900	-
604.72	YS-121210	04112	UA	-	1	7500	-
604.72	YS-121210A	04113	UA	-	1	2700	-
682.48	YS-121212	04114	UA	-	1	8500	-
682.48	YS-121212A	04115	UA	-	1	3100	-
231.17	YS-140804	04116	UA	-	1	2700	-
231.17	YS-140804A	04117	UA	-	1	1000	-
283.85	YS-140806	04118	UA	-	1	3500	-
283.85	YS-140806A	04119	UA	-	1	1300	-
472.68	YS-141006	04120	UA	-	1	4700	-
472.68	YS-141006A	04121	UA	-	1	1700	-
512.17	YS-141008	04122	UA	-	1	5600	-
512.17	YS-141008A	04123	UA	-	1	2100	-
601.03	YS-141406	04124	UA	-	1	5700	-
601.03	YS-141406A	04125	UA	-	1	2100	-
583.75	YS-141408	04126	UA	-	1	6500	-
583.75	YS-141408A	04127	UA	-	1	2400	-
842.91	YS-141410	04128	UA	-	1	8500	-
842.91	YS-141410A	04129	UA	-	1	3100	-
248.07	YS-150604	04130	UA	-	1	2500	-
248.07	YS-150604A	04131	UA	-	1	900	-
519.56	YS-150808	04132	UA	-	1	5800	-
519.56	YS-150808A	04133	UA	-	1	2100	-
269.04	YS-150904	04134	UA	-	1	2800	-
269.04	YS-150904A	04135	UA	-	1	1000	-
291.25	YS-150906	04136	UA	-	1	3700	-
291.25	YS-150906A	04137	UA	-	1	1300	-
417.14	YS-151006	04138	UA	-	1	4700	-
417.14	YS-151006A	04139	UA	-	1	1700	-
240.86	YS-160404	04140	UA	-	1	2000	-
240.86	YS-160404A	04141	UA	-	1	700	-
466.51	YS-161006	04142	UA	-	1	5000	-
466.51	YS-161006A	04143	UA	-	1	1800	-
520.81	YS-161008	04144	UA	-	1	5800	-
520.81	YS-161008A	04145	UA	-	1	2100	-
473.90	YS-161204	04146	UA	-	1	4600	-
473.90	YS-161204A	04147	UA	-	1	1700	-
512.17	YS-161206	04148	UA	-	1	5600	-
512.17	YS-161206A	04149	UA	-	1	2100	-
560.82	YS-161208	04150	UA	-	1	6500	-
560.82	YS-161208A	04151	UA	-	1	2400	-
718.27	YS-161606	04152	UA	-	1	7200	-
718.27	YS-161606A	04153	UA	-	1	2600	-
1420.48	YS-161612	04154	UA	-	1	13600	-
1420.48	YS-161612A	04155	UA	-	1	5000	-
1703.12	YS-161616	04156	UA	-	1	16300	-
1703.12	YS-161616A	04157	UA	-	1	6000	-
294.95	YS-180604	04158	UA	-	1	2800	-
294.95	YS-180604A	04159	UA	-	1	1000	-
385.04	YS-180606	04160	UA	-	1	4300	-
385.04	YS-180606A	04161	UA	-	1	1600	-
417.14	YS-180806	04162	UA	-	1	5200	-
417.14	YS-180806A	04163	UA	-	1	1900	-
525.74	YS-180808	04164	UA	-	1	5600	-
525.74	YS-180808A	04165	UA	-	1	2000	-
508.47	YS-181204	04166	UA	-	1	4900	-
508.47	YS-181204A	04167	UA	-	1	1800	-
555.82	YS-181206	04168	UA	-	1	6300	-
547.95	YS-181206A	04169	UA	-	1	2300	-
703.45	YS-181208	04170	UA	-	1	7500	-
703.45	YS-181208A	04171	UA	-	1	2800	-
877.47	YS-181210	04172	UA	-	1	9300	-
877.47	YS-181210A	04173	UA	-	1	3400	-
1186.00	YS-181212	04174	UA	-	1	2000	-
1186.00	YS-181212A	04175	UA	-	1	4400	-
712.09	YS-181406	04176	UA	-	1	7800	-
712.09	YS-181406A	04177	UA	-	1	2900	-
789.85	YS-181408	04178	UA	-	1	8700	-
789.85	YS-181408A	04179	UA	-	1	3200	-
766.39	YS-181606	04180	UA	-	1	8100	-
766.39	YS-181606A	04181	UA	-	1	3000	-
823.18	YS-181608	04182	UA	-	1	9300	-
823.18	YS-181608A	04183	UA	-	1	3400	-
655.82	YS-181806	04184	UA	-	1	9000	-
547.95	YS-181806A	04185	UA	-	1	3300	-
933.02	YS-181808	04186	UA	-	1	10500	-
933.02	YS-181808A	04187	UA	-	1	3900	-
1408.14	YS-181810	04188	UA	-	1	12500	-
1408.14	YS-181810A	04189	UA	-	1	4600	-
1489.45	YS-181812	04190	UA	-	1	14000	-
1467.39	YS-181812A	04191	UA	-	1	5200	-
257.88	YT-060604	04192	UA	-	1	1800	-
291.25	YT-080604	04193	UA	-	1	2200	-
356.77	YT-080804	04194	UA	-	1	3000	-
409.35	YT-080806	04195	UA	-	1	3300	-
451.69	YT-080808	04196	UA	-	1	3700	-
525.74	YT-120806	04197	UA	-	1	5700	-
691.11	YT-121204	04198	UA	-	1	7900	-
855.01	YT-121206	04199	UA	-	1	8800	-
1039.28	YT-121208	04201	UA	-	1	11100	-
1236.57	YT-121212	04202	UA	-	1	12500	-
1004.59	YT-141406	04204	UA	-	1	12400	-
1126.77	YT-141408	04205	UA	-	1	13600	-
1239.44	YT-141410	04207	UA	-	1	14800	-
1340.27	YT-141412	04208	UA	-	1	16000	-
1240.31	YT-181015	04210	UA	-	1	18000	-
1065.86	YT-181206	04211	UA	-	1	12400	-
1166.26	YT-181208	04213	UA	-	1	14500	-
1273.13	YT-181210	04214	UA	-	1	16500	-
1406.93	YT-181212	04216	UA	-	1	18000	-
1536.51	YT-181808	04217	UA	-	1	19000	-

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1708.05	YT-181812	04219	UA	-	1	24500	-
1359.79	YT-241206	04220	UA	-	1	16600	-
1500.72	YT-241208	04222	UA	-	1	18000	-
1632.77	YT-241210	04223	UA	-	1	19500	-
1688.89	YT-241212	04225	UA	-	1	21200	-
1945.01	YT-241216	04226	UA	-	1	25000	-
1724.10	YT-241410	04228	UA	-	1	21700	-
1817.90	YT-241412	04229	UA	-	1	23000	-
1835.16	YT-241808	04231	UA	-	1	23500	-
1964.75	YT-241810	04232	UA	-	1	25500	-
2296.72	YT-241812	04234	UA	-	1	28500	-
2257.25	YT-242408	04235	UA	-	1	29400	-
2463.47	YT-242410	04237	UA	-	1	32000	-
2649.46	YT-242412	04238	UA	-	1	35500	-
1764.82	YT-301010	04240	UA	-	1	22500	-
1843.89	YT-301210	04241	UA	-	1	23000	-
2025.23	YT-301212	04243	UA	-	1	25000	-
2025.23	YT-301410	04246	UA	-	1	25300	-
2179.48	YT-301412	04247	UA	-	1	27000	-
2335.00	YT-301414	04249	UA	-	1	34000	-
2962.92	YT-301808	04250	UA	-	1	29500	-
3033.53	YT-301812	04253	UA	-	1	36500	-
3503.72	YT-361808	04255	UA	-	1	37500	-
4026.33	YT-361812	04256	UA	-	1	43000	-
4410.62	YT-362412	04258	UA	-	1	48000	-
5136.50	YT-362414	04259	UA	-	1	54000	-
85.52	YU-040402	04261	UA	-	1	500	-
94.43	YU-040403	04264	UA	-	1	600	-
102.05	YU-040404	04265	UA	-	1	700	-
143.95	YU-060403	04267	UA	-	1	800	-
149.48	YU-060404	04268	UA	-	1	1000	-
165.60	YU-060604	04270	UA	-	1	1400	-
203.60	YU-060606	04271	UA	-	1	1800	-
190.33	YU-080404	04273	UA	-	1	1400	-
254.22	YU-080604	04274	UA	-	1	1800	-
291.25	YU-080606	04275	UA	-	1	2100	-
270.40	YU-080804	04276	UA	-	1	2000	-
304.19	YU-080806	04277	UA	-	1	2600	-
413.43	YU-080808	04278	UA	-	1	3000	-
298.66	YU-100604	04279	UA	-	1	2100	-
358.49	YU-100605	04280	UA	-	1	2500	-
335.60	YU-100804	04282	UA	-	1	2900	-
440.58	YU-100806	04283	UA	-	1	3100	-
531.90	YU-100808	04285	UA	-	1	3900	-
712.09	YU-100811	04286	UA	-	1	5200	-
418.43	YU-101004	04289	UA	-	1	3000	-
451.69	YU-101006	04291	UA	-	1	3700	-
540.51	YU-101008	04292	UA	-	1	4500	-
364.96	YU-120604	04294	UA	-	1	2500	-
412.20	YU-120606	04295	UA	-	1	2900	-
406.94	YU-120804	04297	UA	-	1	2900	-
488.71	YU-120806	04299	UA	-	1	3500	-
541.78	YU-120808	04300	UA	-	1	4300	-
877.47	YU-120811	04301	UA	-	1	6400	-
502.29	YU-121204	04302	UA	-	1	4600	-
585.88	YU-121206	04303	UA	-	1	5600	-
691.11	YU-121208	04304	UA	-	1	6500	-
1065.06	YU-121212	04305	UA	-	1	7400	-
541.78	YU-140806	04306	UA	-	1	3800	-
691.11	YU-141404	04307	UA	-	1	5500	-
994.71	YU-141406	04308	UA	-	1	6500	-
1182.31	YU-141408	04309	UA	-	1	7300	-
1379.77	YU-141410	04310	UA	-	1	8200	-

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
476.38	YU-160604	04311	UA	-	1	3200	-
574.61	YU-160606	04312	UA	-	1	3700	-
545.48	YU-160804	04313	UA	-	1	3600	-
712.09	YU-160808	04314	UA	-	1	4700	-
916.80	YU-161206	04315	UA	-	1	6800	-
1804.58	YU-161208	04316	UA	-	1	8300	-
770.09	YU-180806	04317	UA	-	1	5500	-
872.54	YU-180808	04318	UA	-	1	6000	-
1113.19	YU-181208	04319	UA	-	1	8500	-
1278.57	YU-181210	04320	UA	-	1	10000	-
2169.62	YU-181218	04321	UA	-	1	17500	-
950.28	YU-181604	04322	UA	-	1	7500	-
1279.81	YU-181608	04323	UA	-	1	10000	-
167.49	YW-050503	04324	UA	-	1	900	-
167.49	YW-050503A	04325	UA	-	1	400	-
181.32	YW-050504	04326	UA	-	1	1000	-
181.32	YW-050504A	04327	UA	-	1	400	-
161.97	YW-060403	04328	UA	-	1	900	-
161.97	YW-060403A	04329	UA	-	1	400	-
178.31	YW-060404	04330	UA	-	1	1100	-
175.80	YW-060404A	04331	UA	-	1	400	-
182.54	YW-060603	04332	UA	-	1	1200	-
178.94	YW-060603A	04333	UA	-	1	500	-
216.22	YW-060604	04334	UA	-	1	1400	-
213.17	YW-060604A	04335	UA	-	1	600	-
228.39	YW-060605	04336	UA	-	1	1500	-
228.39	YW-060605A	04337	UA	-	1	600	-
265.39	YW-060606	04338	UA	-	1	1700	-
261.84	YW-060606A	04339	UA	-	1	700	-
262.86	YW-060610	04340	UA	-	1	3300	-
262.86	YW-060610A	04341	UA	-	1	1200	-
174.42	YW-080403	04342	UA	-	1	1100	-
174.42	YW-080403A	04343	UA	-	1	500	-
184.69	YW-080404	04344	UA	-	1	1300	-
184.69	YW-080404A	04345	UA	-	1	500	-
251.76	YW-080603	04346	UA	-	1	1400	-
251.76	YW-080603A	04347	UA	-	1	600	-
265.39	YW-080604	04348	UA	-	1	1600	-
261.84	YW-080604A	04349	UA	-	1	600	-
294.95	YW-080605	04350	UA	-	1	1800	-
294.95	YW-080605A	04351	UA	-	1	700	-
335.48	YW-080606	04352	UA	-	1	2200	-
338.74	YW-080606A	04353	UA	-	1	900	-
276.44	YW-080803	04354	UA	-	1	1700	-
276.44	YW-080803A	04355	UA	-	1	700	-
300.44	YW-080804	04356	UA	-	1	1900	-
296.19	YW-080804A	04357	UA	-	1	700	-
358.49	YW-080805	04358	UA	-	1	2600	-
358.49	YW-080805A	04359	UA	-	1	1000	-
366.79	YW-080806	04360	UA	-	1	3000	-
361.59	YW-080806A	04361	UA	-	1	1100	-
434.38	YW-080808	04362	UA	-	1	3500	-
428.25	YW-080808A	04363	UA	-	1	1300	-
264.10	YW-090603	04364	UA	-	1	1600	-
264.10	YW-090603A	04365	UA	-	1	600	-
282.62	YW-090604	04366	UA	-	1	1900	-
282.62	YW-090604A	04367	UA	-	1	700	-
301.12	YW-100604	04368	UA	-	1	2000	-
443.04	YW-100604-8T	04369	UA	-	1	2300	-
443.04	YW-100604-8TA	04370	UA	-	1	1000	-
301.12	YW-100604A	04371	UA	-	1	800	-
351.72	YW-100605	04372	UA	-	1	2400	-
351.72	YW-100605A	04373	UA	-	1	900	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
372.71	YW-100606	04374	UA	-	1	2700	-
372.71	YW-100606A	04375	UA	-	1	1000	-
349.27	YW-100804	04376	UA	-	1	2400	-
344.32	YW-100804A	04377	UA	-	1	900	-
378.89	YW-100805	04378	UA	-	1	2900	-
378.89	YW-100805A	04379	UA	-	1	1100	-
435.64	YW-100806	04380	UA	-	1	3300	-
429.48	YW-100806A	04381	UA	-	1	1200	-
488.71	YW-100808	04382	UA	-	1	4300	-
488.71	YW-100808A	04383	UA	-	1	1600	-
610.89	YW-100810	04384	UA	-	1	5500	-
610.89	YW-100810A	04385	UA	-	1	2000	-
333.23	YW-101003	04386	UA	-	1	2600	-
333.23	YW-101003A	04387	UA	-	1	1000	-
378.89	YW-101004	04388	UA	-	1	2900	-
378.89	YW-101004A	04389	UA	-	1	1100	-
440.58	YW-101005	04390	UA	-	1	3300	-
440.58	YW-101005A	04391	UA	-	1	1200	-
479.47	YW-101006	04392	UA	-	1	3700	-
472.68	YW-101006A	04393	UA	-	1	1400	-
318.40	YW-120603	04394	UA	-	1	1900	-
318.40	YW-120603A	04395	UA	-	1	700	-
334.24	YW-120604	04396	UA	-	1	2200	-
488.71	YW-120604-12T	04397	UA	-	1	2700	-
488.71	YW-120604-12TA	04398	UA	-	1	1300	-
326.51	YW-120604A	04399	UA	-	1	800	-
390.59	YW-120606	04400	UA	-	1	3200	-
385.04	YW-120606A	04401	UA	-	1	1200	-
428.25	YW-120804	04402	UA	-	1	3100	-
428.25	YW-120804A	04403	UA	-	1	1100	-
500.73	YW-120806	04404	UA	-	1	3700	-
493.65	YW-120806A	04405	UA	-	1	1400	-
592.38	YW-120808	04406	UA	-	1	4500	-
592.38	YW-120808A	04407	UA	-	1	1700	-
482.54	YW-121004	04408	UA	-	1	3600	-
482.54	YW-121004A	04409	UA	-	1	1300	-
531.90	YW-121005	04410	UA	-	1	3900	-
531.90	YW-121005A	04411	UA	-	1	1400	-
547.95	YW-121006	04412	UA	-	1	4500	-
547.95	YW-121006A	04413	UA	-	1	1700	-
623.23	YW-121008	04414	UA	-	1	5400	-
623.23	YW-121008A	04415	UA	-	1	2000	-
502.29	YW-121203	04416	UA	-	1	3500	-
502.29	YW-121203A	04417	UA	-	1	1300	-
539.53	YW-121204	04418	UA	-	1	4200	-
761.21	YW-121204-16T	04419	UA	-	1	4700	-
761.21	YW-121204-16TA	04420	UA	-	1	2100	-
821.94	YW-121204-24T	04421	UA	-	1	4800	-
821.94	YW-121204-24TA	04422	UA	-	1	2200	-
531.90	YW-121204A	04423	UA	-	1	1500	-
585.86	YW-121206	04424	UA	-	1	4900	-
577.57	YW-121206A	04425	UA	-	1	1800	-
692.27	YW-121208	04426	UA	-	1	5900	-
682.48	YW-121208A	04427	UA	-	1	2200	-
902.16	YW-121210	04428	UA	-	1	8600	-
982.16	YW-121210A	04429	UA	-	1	3200	-
970.03	YW-121212	04430	UA	-	1	9900	-
970.03	YW-121212A	04431	UA	-	1	3700	-
940.41	YW-161208A	04467	UA	-	1	2900	-
449.22	YW-140804	04432	UA	-	1	3800	-
449.22	YW-140804A	04433	UA	-	1	1400	-
519.56	YW-140806	04434	UA	-	1	4600	-
519.56	YW-140806A	04435	UA	-	1	1700	-
682.48	YW-141006	04436	UA	-	1	5000	-
682.48	YW-141006A	04437	UA	-	1	2100	-
809.60	YW-141008	04438	UA	-	1	6700	-
809.60	YW-141008A	04439	UA	-	1	2500	-
847.85	YW-141406	04440	UA	-	1	6700	-
847.85	YW-141406A	04441	UA	-	1	2500	-
899.68	YW-141408	04442	UA	-	1	7700	-
899.68	YW-141408A	04443	UA	-	1	2800	-
1182.31	YW-141410	04444	UA	-	1	9600	-
1182.31	YW-141410A	04445	UA	-	1	3500	-
398.62	YW-150604	04446	UA	-	1	3200	-
398.62	YW-150604A	04447	UA	-	1	1200	-
829.34	YW-150808	04448	UA	-	1	6700	-
829.34	YW-150808A	04449	UA	-	1	2500	-
456.82	YW-150904	04450	UA	-	1	3600	-
456.82	YW-150904A	04451	UA	-	1	1300	-
523.26	YW-150906	04452	UA	-	1	4200	-
523.26	YW-150906A	04453	UA	-	1	1500	-
766.39	YW-151006	04454	UA	-	1	5400	-
766.39	YW-151006A	04455	UA	-	1	2000	-
854.02	YW-161006	04456	UA	-	1	6000	-
854.02	YW-161006A	04457	UA	-	1	2200	-
913.26	YW-161008	04458	UA	-	1	6900	-
913.26	YW-161008A	04459	UA	-	1	2500	-
744.19	YW-161204	04460	UA	-	1	5700	-
1119.36	YW-161204-32T	04461	UA	-	1	6400	-
1119.36	YW-161204-32TA	04462	UA	-	1	2800	-
744.19	YW-161204A	04463	UA	-	1	2100	-
846.61	YW-161206	04464	UA	-	1	6600	-
846.61	YW-161206A	04465	UA	-	1	2400	-
949.41	YW-161208	04466	UA	-	1	7800	-
1035.44	YW-161606	04468	UA	-	1	8400	-
1035.44	YW-161606A	04469	UA	-	1	3100	-
534.38	YW-180604	04470	UA	-	1	3500	-
534.38	YW-180604A	04471	UA	-	1	1300	-
640.51	YW-180606	04472	UA	-	1	5200	-
640.51	YW-180606A	04473	UA	-	1	1900	-
684.94	YW-180806	04474	UA	-	1	6400	-
684.94	YW-180806A	04475	UA	-	1	2400	-
752.82	YW-180808	04476	UA	-	1	6800	-
752.82	YW-180808A	04477	UA	-	1	2500	-
814.53	YW-181204	04478	UA	-	1	6000	-
1230.44	YW-181204-40T	04479	UA	-	1	6800	-
1230.44	YW-181204-40TA	04480	UA	-	1	3000	-
814.53	YW-181204A	04481	UA	-	1	2200	-
1008.49	YW-181206	04482	UA	-	1	7400	-
992.24	YW-181206A	04483	UA	-	1	2700	-
1215.63	YW-181208	04484	UA	-	1	8700	-
1215.63	YW-181208A	04485	UA	-	1	3200	-
1372.36	YW-181210	04486	UA	-	1	10600	-
1372.36	YW-181210A	04487	UA	-	1	3900	-
1536.51	YW-181212	04488	UA	-	1	13400	-
1536.51	YW-181212A	04489	UA	-	1	4900	-
1056.43	YW-181406	04490	UA	-	1	8800	-
1856.43	YW-181406A	04491	UA	-	1	3200	-
1115.65	YW-181408	04492	UA	-	1	9700	-
1115.65	YW-181408A	04493	UA	-	1	3600	-
1115.65	YW-181606	04494	UA	-	1	9600	-
1115.65	YW-181606A	04495	UA	-	1	3500	-
1230.44	YW-181608	04496	UA	-	1	10800	-
1230.44	YW-181608A	04497	UA	-	1	4000	-
1367.03	YW-181806	04498	UA	-	1	10700	-
1943.76	YW-181806-60T	04499	UA	-	1	12300	-

EGS O-Z/GEDNEY

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
1943.70	YW-181806-60TA	04500	UA	-	1	5600	-
1347.68	YW-181806A	04501	UA	-	1	3900	-
1424.19	YW-181808	04502	UA	-	1	12200	-
1424.19	YW-181808A	04503	UA	-	1	4500	-
1794.44	YW-181810	04504	UA	-	1	14200	-
1794.44	YW-181810A	04505	UA	-	1	5200	-
2168.96	YW-181812	04506	UA	-	1	15700	-
2136.39	YW-181812A	04507	UA	-	1	5800	-
1019.40	YW-201006	04508	UA	-	1	7200	-
1019.40	YW-201006A	04509	UA	-	1	2700	-
1065.06	YW-201008	04510	UA	-	1	8200	-
1065.06	YW-201008A	04511	UA	-	1	3000	-
1594.51	YW-202006	04512	UA	-	1	14300	-
1594.51	YW-202006A	04513	UA	-	1	5300	-
1083.35	YW-240806	04514	UA	-	1	8200	-
1083.35	YW-240806A	04515	UA	-	1	3000	-
1092.22	YW-240808	04516	UA	-	1	9000	-
1092.22	YW-240808A	04517	UA	-	1	3300	-
1304.48	YW-241206	04518	UA	-	1	9600	-
1757.41	YW-241206-48T	04519	UA	-	1	11000	-
1757.41	YW-241206-48TA	04520	UA	-	1	4900	-
1304.48	YW-241206A	04521	UA	-	1	3500	-
1415.56	YW-241208	04522	UA	-	1	11300	-
1416.56	YW-241208A	04523	UA	-	1	4200	-
1777.18	YW-241212	04524	UA	-	1	14400	-
1777.18	YW-241212A	04525	UA	-	1	5400	-
1442.71	YW-241606	04526	UA	-	1	12500	-
1442.71	YW-241606A	04527	UA	-	1	4600	-
1610.55	YW-241608	04528	UA	-	1	13500	-
1610.55	YW-241608A	04529	UA	-	1	5000	-
1578.44	YW-241806	04530	UA	-	1	14000	-
2333.75	YW-241806-72T	04531	UA	-	1	15700	-
2333.75	YW-241806-72TA	04532	UA	-	1	6900	-
1578.44	YW-241806A	04533	UA	-	1	5200	-
1689.46	YW-241808	04534	UA	-	1	15900	-
1689.46	YW-241808A	04535	UA	-	1	5900	-
2181.96	YW-241810	04536	UA	-	1	18500	-
2181.96	YW-241810A	04537	UA	-	1	6800	-
2347.33	YW-241812	04538	UA	-	1	20500	-
2347.33	YW-241812A	04539	UA	-	1	7600	-
2438.89	YW-242406	04540	UA	-	1	19000	-
2438.89	YW-242406A	04541	UA	-	1	7000	-
2761.58	YW-242408	04542	UA	-	1	20600	-
2722.52	YW-242408A	04543	UA	-	1	7600	-
2931.66	YW-242410	04544	UA	-	1	25000	-
2931.66	YW-242410A	04545	UA	-	1	9300	-
3380.32	YW-242412	04546	UA	-	1	29200	-
3380.32	YW-242412A	04547	UA	-	1	10800	-
4303.45	YW-242416	04548	UA	-	1	37000	-
4303.45	YW-242416A	04549	UA	-	1	13700	-
1800.62	YW-281206	04550	UA	-	1	12500	-
1800.62	YW-281206A	04551	UA	-	1	4600	-
2072.12	YW-281208	04552	UA	-	1	14500	-
2072.12	YW-281208A	04553	UA	-	1	5400	-
3106.34	YW-281212	04554	UA	-	1	18500	-
3106.34	YW-281212A	04555	UA	-	1	6800	-
1360.02	YW-300806	04556	UA	-	1	10200	-
1360.02	YW-300806A	04557	UA	-	1	3800	-
1531.57	YW-300808	04558	UA	-	1	11200	-
1531.57	YW-300808A	04559	UA	-	1	4100	-
2601.57	YW-301808	04560	UA	-	1	22000	-
3466.70	YW-301808-84T	04561	UA	-	1	23800	-
3466.70	YW-301808-84TA	04562	UA	-	1	10000	-
3585.18	YW-301808-96T	04563	UA	-	1	24100	-
3585.18	YW-301808-96TA	04564	UA	-	1	10300	-
2601.57	YW-301808A	04565	UA	-	1	8100	-
3360.57	YW-301812	04566	UA	-	1	30000	-
3360.57	YW-301812A	04567	UA	-	1	11100	-
3939.38	YW-301814	04568	UA	-	1	35000	-
3939.38	YW-301814A	04569	UA	-	1	13000	-
2900.23	YW-302406	04570	UA	-	1	24000	-
2968.23	YW-302406A	04571	UA	-	1	8900	-
3085.35	YW-302408	04572	UA	-	1	25800	-
3085.35	YW-302408A	04573	UA	-	1	9500	-
4061.56	YW-302412	04574	UA	-	1	33800	-
4061.56	YW-302412A	04575	UA	-	1	12500	-
1316.06	YW-360606	04576	UA	-	1	11500	-
1316.06	YW-360606A	04577	UA	-	1	4300	-
2722.52	YW-361208	04578	UA	-	1	21000	-
2722.52	YW-361208A	04579	UA	-	1	7800	-
3291.46	YW-361212	04580	UA	-	1	25000	-
3291.46	YW-361212A	04581	UA	-	1	9300	-
3132.25	YW-361808	04582	UA	-	1	26700	-
4172.83	YW-361808-108T	04583	UA	-	1	28900	-
4172.83	YW-361808-108TA	04584	UA	-	1	12100	-
4823.26	YW-361808-120T	04585	UA	-	1	29200	-
4823.26	YW-361808-120TA	04586	UA	-	1	12400	-
3132.25	YW-361808A	04587	UA	-	1	9900	-
3544.46	YW-362408	04588	UA	-	1	29500	-
3544.46	YW-362408A	04589	UA	-	1	10900	-
4061.25	YW-362412	04590	UA	-	1	42000	-
4061.25	YW-362412A	04591	UA	-	1	15600	-
5096.78	YW-363608	04592	UA	-	1	50000	-
5096.78	YW-363608A	04593	UA	-	1	18500	-
5816.51	YW-363612	04594	UA	-	1	55000	-
5816.51	YW-363612A	04595	UA	-	1	20400	-
793.55	Y58E-1212	04596	UA	-	1	8500	-
835.48	Y58E-1812	04597	UA	-	1	11100	-
1068.56	Y58E-2412	04598	UA	-	1	12500	-
1541.44	Y58E-2418	04599	UA	-	1	17200	-
1661.28	Y58E-2424	04600	UA	-	1	20000	-
1757.41	Y58E-3018	04601	UA	-	1	18700	-
2066.92	Y58E-3618	04602	UA	-	1	22300	-
2335.80	Y58E-3624	04603	UA	-	1	26000	-
3343.29	Y58E-3636	04604	UA	-	1	39500	-
2790.58	Y58E-4224	04605	UA	-	1	31200	-
426.98	01D2	04606	V	-	1	-	-
694.97	04D2	04607	V	-	1	-	-
22.47	1-MBT	00000	UA	-	-	-	-
0.14	• 1-18S	58000	DB	500	1000	1	A
0.14	• 1-25S	58005	DB	500	1000	1	A
0.35	• 1-38-LOS	58015	DB	100	1000	2	A
0.28	• 1-38S	58010	DB	200	1000	1	A
0.28	• 1-50A	58021	DB	100	1000	1	A
0.22	• 1-50S	58020	DB	100	1000	1	A
0.35	• 1-75A	58031	DB	100	1000	-	A
0.28	• 1-75S	58030	DB	100	1000	2	A
0.41	• 1-100S	58035	DB	50	500	3	A
0.63	• 1-100A	58036	DB	50	500	1	A
0.93	• 1-125A	58041	DB	50	500	2	B
0.49	• 1-125S	58040	DB	50	500	6	B
1.26	• 1-150A	58046	DB	50	500	2.2	B
0.85	• 1-150S	58045	DB	50	500	7	B
1.79	• 1-200A	58051	DB	50	200	3	B
1.13	• 1-200S	58050	DB	50	200	13	B
2.96	• 1-250	58055	DB	25	100	28	C

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
3.61	• 1-250A	58056	DB	25	100	5	C
3.82	• 1-300	58060	DB	20	100	37	C
10.04	• 1-300A	58061	DB	20	100	73	C
6.41	• 1-350	58065	DB	5	25	44	C
10.04	• 1-350A	58066	DB	5	25	9	C
7.98	• 1-400	58070	DB	4	20	56	C
12.58	• 1-400A	58071	DB	4	20	11	C
17.85	• 1-500	58080	DB	-	10	104	C
27.92	• 1-500A	58081	DB	-	10	33	C
29.27	• 1-600	58085	DB	-	10	139	C
49.38	• 1-600A	58086	DB	-	10	41	C
0.85	• 101	75000	DB	100	1000	3	A
1.05	• 102	75005	DB	100	1000	3	A
1.42	• 103	75010	DB	50	250	5	A
1.72	• 104	75015	DB	25	125	6	B
2.36	• 105	75020	DB	25	125	9	B
3.16	• 106	75025	DB	25	100	16	B
5.93	• 107	75030	DB	10	50	14	C
7.49	• 108	75035	DB	5	25	28	C
12.23	• 109	75040	DB	5	20	37	C
15.76	• 110	75045	DB	5	20	42	C
30.86	• 112	75055	DB	-	10	100	C
50.25	• 113	75060	DB	-	10	122	C
1.65	170	76300	AA	20	100	11	A
2.76	170F	76320	AA	20	100	31	A
2.11	270	76301	AA	20	100	16	A
3.29	270F	76321	AA	20	100	46	A
2.65	370	76302	AA	20	100	22	A
5.27	370F	76322	AA	10	50	55	A
3.38	470	76303	AA	10	50	41	A
6.98	470F	76323	AA	10	50	102	A
3.41	570	76304	AA	10	50	50	A
6.96	570F	76324	AA	5	25	150	A
8.04	670	76305	AA	5	25	65	A
10.36	670F	76325	AA	5	25	212	A
9.37	870	76307	AA	-	5	178	A
12.24	870F	76327	AA	-	5	445	A
11.10	970	76308	AA	-	5	305	A
18.34	970F	76328	AA	-	5	610	A
26.34	11355N	13652	W	5	50	83	-
29.72	11360N	13651	W	5	50	102	-
26.34	11362N	13653	W	5	50	123	-
3.33	170F-SA	89090	AA	20	100	10	A
2.11	170-SA	89080	AA	20	100	4	A
4.15	270F-SA	89091	AA	20	100	15	A
2.25	270-SA	89081	AA	20	100	15	A
3.45	370-SA	89082	AA	20	100	7	A
6.31	370F-SA	89092	AA	20	100	18	A
4.51	470-SA	89083	AA	10	50	14	A
8.34	470F-SA	89093	AA	10	50	34	A
4.52	570-SA	89084	AA	10	50	17	A
8.89	570F-SA	89094	AA	5	25	50	A
7.29	670-SA	89085	AA	5	25	22	A
11.92	670F-SA	89095	AA	5	25	71	B
10.69	870-SA	89086	AA	-	5	59	A
16.06	870F-SA	89096	AA	-	5	148	A
13.59	970-SA	89087	AA	-	5	102	C
22.11	970F-SA	89097	AA	-	5	203	C
0.35	• 14-18G	67800	EA	100	1000	2	A
0.35	• 14-25G	67805	EA	100	1000	2	A
0.35	• 14-38G	67810	EA	100	1000	3	A
0.34	• 14-50G	67815	EA	50	500	6	A
0.28	• 14-50S	67820	EA	50	500	6	A

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0.49	• 14-75G	67825	EA	50	500	8	A
0.28	• 14-75S	67830	EA	50	500	7	A
0.62	• 14-100G	67835	EA	50	200	14	A
0.50	• 14-100S	67840	EA	50	200	7	A
1.21	• 14-125G	67845	EA	25	100	21	B
0.78	• 14-125S	67850	EA	25	100	18	B
1.41	• 14-150G	67855	EA	25	100	27	B
0.85	• 14-150S	67860	EA	25	100	23	B
2.75	• 14-200G	67865	EA	5	25	48	B
1.57	• 14-200S	67870	EA	-	25	40	B
5.68	• 14-250G	67875	EA	5	25	71	C
2.53	• 14-250S	67880	EA	-	25	68	C
6.14	• 14-300G	67885	EA	5	25	107	C
2.96	• 14-300S	67890	EA	-	25	88	C
11.56	• 14-350G	67895	EA	2	10	172	C
5.20	• 14-350S	67900	EA	-	10	130	C
25.96	• 14-400G	67905	EA	2	10	266	C
6.00	• 14-400S	67910	EA	-	10	130	C
90.26	• 14-500G	67915	EA	-	5	433	C
97.12	• 14-600G	67925	EA	-	5	620	C
0.83	• 141-NG	76105	EA	25	250	8	A
0.82	• 141G	76100	EA	25	250	9	A
0.63	• 142-NG	76115	EA	25	250	8	A
0.82	• 142G	76110	EA	25	250	11	A
1.05	• 143-NG	76125	EA	20	100	12	A
1.04	• 143G	76120	EA	20	100	18	A
1.51	• 144-NG	76135	EA	20	100	15	B
1.49	• 144G	76130	EA	20	100	24	B
1.03	• 145-NG	76145	EA	25	100	16	B
1.90	• 145G	76140	EA	25	100	32	B
3.17	• 146-NG	76155	EA	10	50	29	B
3.12	• 146G	76150	EA	10	50	54	B
5.71	• 147-NG	76165	EA	10	50	52	C
5.68	• 147G	76160	EA	10	50	71	C
8.96	• 148-NG	76175	EA	10	50	58	C
8.92	• 148G	76170	EA	10	50	104	C
12.87	• 149-NG	76185	EA	-	10	72	C
12.87	• 149G	76180	EA	-	10	159	C
0.40	• 15-50G	68400	FD	100	1000	5	A
0.28	• 15-50S	68405	FD	100	1000	4	A
0.57	• 15-75G	68410	FD	50	500	6	A
0.29	• 15-75S	68415	FD	50	500	6	A
0.83	• 15-100G	68420	FD	50	250	10	A
0.48	• 15-100S	68425	FD	50	250	8	A
1.35	• 15-125G	68430	FD	25	250	13	B
0.67	• 15-125S	68435	FD	25	100	17	B
1.64	• 15-150G	68440	FD	25	100	15	B
0.93	• 15-150S	68445	FD	25	100	25	B
3.05	• 15-200G	68450	FD	25	100	20	B
1.42	• 15-200S	68455	FD	25	25	38	B
26.96	• 150-NG	76195	EA	-	10	184	C
26.84	• 150G	76190	EA	-	10	183	C
51.79	• 151G	76200	EA	-	5	328	C
66.85	• 152G	76205	EA	-	4	478	C
0.30	• 16-01G	68855	NA	100	1000	3	B
0.30	• 16-01S	68860	NA	100	1000	2	B
0.38	• 16-02G	68865	NA	100	1000	3	B
0.35	• 16-02S	68870	NA	100	1000	3	B
0.45	• 16-03G	68875	NA	100	1000	5	B
0.43	• 16-03S	68880	NA	100	1000	4	B
0.68	• 16-04G	68885	NA	50	500	8	B
0.60	• 16-04S	68890	NA	50	500	6	B
1.10	• 16-05G	68895	NA	25	250	12	B

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1.10	• 16-05S	68900	NA	50	200	10	B
1.33	• 16-06G	68905	NA	25	250	16	B
1.33	• 16-06S	68910	NA	50	200	16	B
9.13	• 17-50G	69400	NA	10	50	49	A
10.08	• 17-75G	69405	NA	5	50	62	A
11.56	• 17-100G	69410	NA	5	25	225	A
13.37	• 17-125G	69415	NA	2	10	157	B
19.78	• 17-150G	69420	NA	2	10	257	B
36.85	• 17-200G	69425	NA	1	5	520	B
128.65	• 17-250G	69430	NA	-	1	1350	C
188.19	• 17-300G	69435	NA	-	1	1937	C
249.24	• 17-350G	69440	NA	-	1	1762	C
309.62	• 17-400G	69445	NA	-	1	2000	C
782.28	• 17-500G	69450	NA	-	1	4100	C
1203.11	• 17-600G	69455	NA	-	1	6925	C
32.80	• 1749G	82400	NA	1	5	270	B
15.91	• 1751G	82405	NA	5	25	132	B
10.55	• 1752G	82410	NA	5	25	80	B
10.10	• 1753G	82415	NA	5	50	58	B
8.69	• 1754G	82420	NA	10	50	36	B
29.41	2-MBT	00000	UA	-	-	-	-
10.86	2-ML-0604	00000	UA	-	-	-	-
23.51	2-ML-1204	00000	UA	-	-	-	-
39.45	2-ML-1816	00000	UA	-	-	-	-
6.41	• 2-38	59300	DB	100	1000	2	A
8.28	• 2-50	59305	DB	100	1000	3	A
8.35	• 2-75	59310	DB	100	1000	4	A
8.63	• 2-100	59315	DB	50	500	7	A
8.92	• 2-125	59320	DB	50	200	13	B
1.28	• 2-150	59325	DB	50	200	14	B
1.92	• 2-200	59330	DB	25	100	19	B
4.34	• 2-250	59335	DB	5	25	43	C
5.41	• 2-300	59340	DB	5	25	56	C
11.07	• 2-350	59345	DB	5	25	76	C
13.53	• 2-400	59350	DB	5	25	109	C
28.20	• 2-500	59360	DB	-	10	144	C
46.93	• 2-600	59365	DB	-	5	243	C
1.53	• 24-34	71225	KB	25	100	22	A
2.22	• 24-34T	71228	KB	25	100	22	A
3.71	• 24-100	71235	KB	20	100	31	A
4.60	• 24-100T	71238	KB	20	100	31	A
5.85	• 24-125	71240	KB	10	50	42	B
7.74	• 24-125T	71243	KB	10	50	42	B
8.26	• 24-150	71245	KB	5	50	68	B
11.45	• 24-150T	71248	KB	5	50	68	B
11.65	• 24-200	71250	KB	5	10	107	B
17.48	• 24-200T	71252	KB	5	10	107	B
22.30	• 24-250	71255	KB	2	10	168	C
34.27	• 24-250T	71258	KB	2	10	168	C
31.15	• 24-300	71260	KB	2	10	198	C
45.85	• 24-300T	71265	KB	2	10	198	C
1.97	• 25-38C	71405	KB	25	100	20	A
1.66	• 28-050	72100	EA	25	100	14	A
1.91	• 28-050T	72105	EA	25	100	13	A
2.37	• 28-075	72110	EA	25	100	22	A
2.90	• 28-075T	72115	EA	25	100	21	A
3.74	• 28-100	72120	EA	5	50	39	A
4.33	• 28-100T	72125	EA	5	50	38	A
5.91	• 28-125	72130	EA	5	25	54	B
7.93	• 28-125T	72135	EA	5	25	44	B
8.46	• 28-150	72140	EA	5	20	70	B
10.89	• 28-150T	72145	EA	5	20	67	B
16.88	• 28-200	72150	EA	2	10	106	B
20.12	• 28-200T	72155	EA	2	10	105	B
47.57	• 28-250	72160	EA	2	10	190	C
53.28	• 28-250T	72165	EA	2	10	191	C
61.73	• 28-300	72170	EA	1	5	272	C
78.58	• 28-300T	72175	EA	1	5	280	C
88.29	• 28-350	72180	EA	1	5	380	C
99.88	• 28-350T	72185	EA	1	5	367	C
110.55	• 28-400	72190	EA	1	5	455	C
130.58	• 28-400T	72195	EA	1	5	427	C
196.41	• 28-500	72192	EA	-	1	850	C
254.91	• 28-500T	72196	EA	-	1	850	C
252.56	• 28-600	72193	EA	-	1	1100	C
328.58	• 28-600T	72197	EA	-	1	1100	C
2.54	• 29-050	72700	EA	20	100	17	A
3.21	• 29-075	72705	EA	20	100	28	A
5.30	• 29-100	72710	EA	5	50	49	A
8.28	• 29-125	72715	EA	5	25	70	B
10.58	• 29-150	72720	EA	4	20	93	B
23.50	• 29-200	72725	EA	2	10	155	B
56.27	• 29-250	72730	EA	2	10	242	C
65.65	• 29-300	72735	EA	1	5	342	C
90.78	• 29-350	72740	EA	1	5	480	C
122.25	• 29-400	72745	EA	1	5	567	C
197.79	• 29-500	72746	EA	-	1	1500	C
296.54	• 29-600	72747	EA	-	1	1800	C
53.34	3-MBT	00000	UA	-	-	-	-
8.56	• 3-50	60400	DB	100	1000	3	A
8.63	• 3-75	60405	DB	100	1000	5	A
8.85	• 3-100	60410	DB	100	500	8	A
1.43	• 3-125	60415	DB	50	200	12	B
1.65	• 3-150	60420	DB	25	100	17	B
2.78	• 3-200	60425	DB	25	100	20	B
8.89	• 3-250	60430	DB	5	25	40	C
11.28	• 3-300	60435	DB	5	25	52	C
16.41	• 3-350	60440	DB	5	25	76	C
22.97	• 3-400	60445	DB	5	25	114	C
26.92	• 3-500	60450	DB	-	10	149	C
37.82	• 3-600	60455	DB	-	5	250	C
3.71	• 30-050	73300	EA	20	100	28	A
5.45	• 30-075	73305	EA	20	100	32	A
8.23	• 30-100	73310	EA	5	50	48	A
13.89	• 30-125	73315	EA	5	25	92	B
17.46	• 30-150	73320	EA	4	20	146	B
33.70	• 30-200	73325	EA	2	10	200	B
116.71	• 30-250	73330	EA	1	5	480	C
158.74	• 30-300	73335	EA	1	5	508	C
206.79	• 30-350	73340	EA	1	5	770	C
264.12	• 30-400	73345	EA	1	5	805	C
418.84	• 30-500	73355	EA	-	1	1220	C
532.86	• 30-600	73360	EA	-	1	1300	C
5.54	• 3050-W	84000	FD	10	100	32	A
8.28	• 3075-W	84010	FD	5	50	50	A
2.32	• 31-050	73900	EA	25	100	20	A
3.02	• 31-050T	73905	EA	25	100	19	A
3.78	• 31-075	73910	EA	25	100	28	A
4.88	• 31-075T	73915	EA	25	100	28	A
5.30	• 31-100	73920	EA	5	50	40	A
7.10	• 31-100T	73925	EA	5	50	41	A
9.52	• 31-125	73930	EA	5	25	76	B
12.96	• 31-125T	73935	EA	5	25	61	B
13.21	• 31-150	73940	EA	5	20	105	B
17.96	• 31-150T	73945	EA	5	20	83	B
26.19	• 31-200	73950	EA	2	10	143	B

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44.55	• 31-200T	73955	EA	2	10	140	B
82.99	• 31-250	73960	EA	2	10	298	C
144.90	• 31-250T	73965	EA	2	10	298	C
109.80	• 31-300	73970	EA	1	5	402	C
189.55	• 31-300T	73975	EA	1	5	383	C
145.59	• 31-350	73980	EA	1	5	600	C
223.56	• 31-350T	73985	EA	1	5	610	C
175.50	• 31-400	73990	EA	1	5	673	C
269.17	• 31-400T	73995	EA	1	5	640	C
326.05	• 31-500	74000	EA	-	1	760	C
485.28	• 31-500T	74001	EA	-	1	760	C
419.58	• 31-600	74005	EA	-	1	1100	C
621.76	• 31-600T	74006	EA	-	1	1100	C
12.97	• 3100-W	84020	FD	5	25	76	A
18.88	• 3125-W	84030	FD	5	10	145	B
1.34	• 320-R	78500	EA	100	1000	4	A
2.37	• 321-R	78505	EA	100	500	8	A
3.24	• 322-R	78510	EA	50	200	11	A
3.24	• 323-R	78515	EA	50	200	16	A
7.87	• 324-R	78520	EA	25	100	31	B
7.82	• 325-R	78525	EA	25	100	55	B
7.82	• 326-R	78530	EA	25	100	21	B
10.97	• 327-R	78535	EA	10	50	28	B
10.91	• 328-R	78540	EA	10	50	42	B
10.97	• 329-R	78545	EA	10	50	46	B
10.97	• 330-R	78550	EA	10	50	50	B
19.75	• 331-R	78555	EA	10	50	55	B
19.75	• 332-R	78560	EA	10	50	66	B
19.75	• 333-R	78565	EA	10	50	77	B
0.27	• 333G	77915	FD	100	1000	2	A
19.84	• 334-R	78570	EA	10	50	83	B
0.32	• 334G	77920	FD	100	1000	3	A
19.84	• 335-R	78575	EA	10	50	86	B
0.39	• 335G	77925	FD	100	1000	4	A
21.76	• 336-R	78580	EA	5	25	76	C
21.76	• 337-R	78581	EA	5	25	79	C
21.76	• 339-R	78583	EA	5	25	81	C
25.31	• 340-R	78584	EA	5	25	159	C
25.31	• 341-R	78585	EA	5	25	192	C
25.31	• 342-R	78590	EA	5	25	153	C
31.74	• 349-R	78595	EA	1	5	165	C
31.74	• 350-R	78598	EA	1	5	173	C
37.46	• 355-R	78599	EA	1	5	229	C
37.46	• 356-R	78600	EA	1	5	340	C
37.46	• 357-R	78605	EA	1	5	213	C
58.46	4-MBT	00000	UA	-	-	-	-
19.30	4-ML-0604	00000	UA	-	-	-	-
35.99	4-ML-1204	00000	UA	-	-	-	-
58.13	4-ML-1816	00000	UA	-	-	-	-
94.11	4-ML-3636	00000	UA	-	-	-	-
2.51	• 4-50	61245	EA	50	200	25	A
3.15	• 4-75	61250	EA	25	100	32	A
6.08	• 4-100	61255	EA	5	25	53	A
11.23	• 4-125	61260	EA	5	25	91	B
14.19	• 4-150	61265	EA	5	25	122	B
28.37	• 4-200	61270	EA	5	20	197	B
61.48	• 4-250	61275	EA	2	10	397	C
93.25	• 4-300	61280	EA	2	10	435	C
149.66	• 4-350	61285	EA	1	5	550	C
175.50	• 4-400	61290	EA	1	5	665	C
362.55	• 4-500	61295	EA	-	2	888	C
489.29	• 4-600	61300	EA	-	1	1275	C
317.96	4AMC	04608	V	-	1	-	-

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
317.96	4AMO	04609	V	-	1	-	-
371.34	4ASDP	04610	V	-	1	-	-
348.62	4AS10C	04611	V	-	1	-	-
371.34	4AS20C	04612	V	-	1	-	-
13322.57	4F2A	04613	V	-	1	-	-
13789.29	4F2B	04614	V	-	1	-	-
16472.66	4F3C	04615	V	-	1	-	-
20404.13	4F4D	04616	V	-	1	-	-
0.00	4F5E	04617	V	-	1	-	-
2298.19	4M04EHD	00000	V	-	1	7100	-
2537.29	4M06EHD	00000	V	-	1	7200	-
6127.75	4M12EHD	04635	V	-	1	16300	-
8072.80	4M24EHD	04659	V	-	1	17400	-
2860.57	4M06FD	00000	V	-	1	7200	-
7179.11	4M12FD	00000	V	-	1	16300	-
7663.99	4M16FD	00000	V	-	1	16500	-
8389.19	4M18FD	00000	V	-	1	16700	-
1421.09	4M06FDB	00000	V	-	1	720	-
3204.48	4M06HFD	00000	V	-	1	7200	-
5392.84	4M10HFD	00000	V	-	1	9600	-
11136.59	4M24HFD	04662	V	-	1	17400	-
1812.38	4N06	04663	V	-	1	-	-
1875.97	4N08	04664	V	-	1	-	-
1952.06	4N10	04665	V	-	1	-	-
2027.00	4N12	04666	V	-	1	-	-
2778.75	4N14	04667	V	-	1	-	-
2851.43	4N16	04668	V	-	1	-	-
2927.52	4N18	04669	V	-	1	-	-
2989.97	4N20	04670	V	-	1	-	-
3064.92	4N22	04671	V	-	1	-	-
3137.60	4N24	04672	V	-	1	-	-
1812.38	4P06	04673	V	-	1	-	-
1875.97	4P08	04674	V	-	1	-	-
1952.06	4P10	04675	V	-	1	-	-
2027.00	4P12	04676	V	-	1	-	-
2778.75	4P14	04677	V	-	1	-	-
2851.43	4P16	04678	V	-	1	-	-
2927.52	4P18	04679	V	-	1	-	-
2989.97	4P20	04680	V	-	1	-	-
3064.92	4P22	04681	V	-	1	-	-
3137.60	4P24	04682	V	-	1	-	-
2.42	• 4Q-38	61700	GA	25	100	18	A
2.95	• 4Q-38FM	61703	GA	25	100	17	A
4.97	• 4Q-38FML	61704	GB	25	100	22	A
4.81	• 4Q-38L	61701	GB	25	100	23	A
4.42	• 4Q-38LT	61706	GB	25	100	38	A
2.86	• 4Q-38T	61705	GA	25	100	17	A
3.49	• 4Q-38TG	62014	GC	25	100	18	A
17.53	• 4Q-38WM	63000	GA	10	50	27.5	A
2.42	• 4Q-50	61710	GA	25	100	20	A
2.95	• 4Q-50FM	61715	GA	25	100	19	A
4.97	• 4Q-50FML	61717	GB	25	100	22	A
3.94	• 4Q-50L	61723	GB	25	100	23	A
4.37	• 4Q-50LT	61724	GB	25	100	23	A
2.64	• 4Q-50T	61720	GA	25	100	20	A
3.39	• 4Q-50TG	62015	GC	25	100	20	A
17.99	• 4Q-50WM	63001	GA	5	25	37	A
3.34	• 4Q-75	61725	GA	10	50	27	A
4.12	• 4Q-75FM	61730	GA	25	50	25	A
6.61	• 4Q-75FML	61731	GB	25	50	28	A
5.26	• 4Q-75L	61737	GB	10	50	30	A
6.04	• 4Q-75LT	61738	GB	10	50	29	A
3.81	• 4Q-75T	61735	GA	10	50	26	A

EGS O-Z/GEDNEY

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4.90	• 4Q-75TG	62002	GC	10	50	26	A
23.35	• 4Q-75WM	63002	GA	5	25	45	A
4.91	• 4Q-100	61740	GA	5	25	40	A
5.75	• 4Q-100FM	61745	GA	5	25	38	A
6.08	• 4Q-100FML	61747	GB	5	25	41	A
7.82	• 4Q-100L	61752	GB	5	25	43	A
8.46	• 4Q-100LT	61753	GB	5	25	42	A
5.97	• 4Q-100T	61750	GA	5	25	39	A
7.57	• 4Q-100TG	62016	GC	5	25	39	A
27.94	• 4Q-100WM	63003	GA	5	25	69	A
8.58	• 4Q-125	61755	GA	5	25	62	B
9.75	• 4Q-125FM	61758	GA	5	25	66	B
15.34	• 4Q-125FML	61759	GB	5	25	71	B
13.58	• 4Q-125L	61762	GB	5	25	67	B
15.06	• 4Q-125LT	61763	GB	5	25	66	B
9.48	• 4Q-125T	61760	GA	5	25	61	B
12.07	• 4Q-125TG	62004	GC	5	25	61	B
33.19	• 4Q-125WM	63004	GA	-	5	97	B
12.18	• 4Q-150	61765	GA	4	20	79	B
17.69	• 4Q-150FM	61768	GA	4	20	90	B
25.60	• 4Q-150FML	61769	GB	4	20	95	B
19.23	• 4Q-150L	61772	GB	4	20	84	B
21.37	• 4Q-150LT	61773	GB	4	20	82	B
13.38	• 4Q-150T	61770	GA	4	20	77	B
17.21	• 4Q-150TG	62005	GC	4	20	77	B
48.83	• 4Q-150WM	63005	GA	-	5	131	B
22.28	• 4Q-200	61775	GA	2	10	130	B
24.34	• 4Q-200FM	61778	GA	2	10	131	B
32.99	• 4Q-200FML	61779	GB	2	10	136	B
30.34	• 4Q-200L	61782	GB	2	10	135	B
34.79	• 4Q-200LT	61783	GB	2	10	134	B
25.24	• 4Q-200T	61780	GA	2	10	129	B
32.14	• 4Q-200TG	62006	GC	2	10	129	B
76.42	• 4Q-200WM	63006	GA	-	2	189	B
108.59	• 4Q-250	61785	GA	2	10	299	C
112.70	• 4Q-250FM	61788	GA	2	10	321	C
131.10	• 4Q-250FML	61789	GB	2	10	321	C
129.41	• 4Q-250L	61792	GB	2	10	315	C
152.46	• 4Q-250LT	61793	GB	2	10	333	C
128.69	• 4Q-250T	61790	GA	2	10	317	C
165.59	• 4Q-250TG	62007	GC	2	10	317	C
284.25	• 4Q-250WM	63007	GA	-	1	282	C
122.24	• 4Q-300	61795	GA	1	5	375	C
123.74	• 4Q-300FM	61798	GA	1	5	400	C
144.21	• 4Q-300FML	61799	GB	1	5	416	C
144.21	• 4Q-300L	61796	GB	1	5	391	C
170.05	• 4Q-300LT	61797	GB	1	5	396	C
142.85	• 4Q-300T	61800	GA	1	5	380	C
194.93	• 4Q-300TG	62008	GC	1	5	380	C
261.60	• 4Q-300WM	63008	GA	-	1	423	C
144.21	• 4Q-350	61802	GA	1	5	566	C
154.56	• 4Q-350FM	61804	GA	1	5	586	C
180.78	• 4Q-350FML	61801	GB	1	5	602	C
186.97	• 4Q-350L	61818	GB	1	5	582	C
199.16	• 4Q-350LT	61819	GB	1	5	570	C
174.43	• 4Q-350T	61803	GA	1	5	511	C
219.42	• 4Q-350TG	62009	GC	1	5	375	C
144.21	• 4Q-400	61805	GA	1	5	648	C
154.56	• 4Q-400FM	61808	GA	1	5	665	C
180.78	• 4Q-400FML	61809	GB	1	5	681	C
166.97	• 4Q-400L	61806	GB	1	5	664	C
199.16	• 4Q-400LT	61807	GB	1	5	645	C
174.43	• 4Q-400T	61829	GA	1	5	629	C
219.42	• 4Q-400TG	62010	GC	1	5	648	C
326.65	• 4Q-400WM	63009	GA	-	1	635	C
262.87	• 4Q-500	61813	GA	1	2	800	C
261.60	• 4Q-500FM	61810	GA	1	5	825	C
303.29	• 4Q-500FML	61811	GB	1	5	830	C
298.25	• 4Q-500L	61822	GB	-	1	991	C
394.95	• 4Q-500LT	61823	GB	-	1	945	C
353.86	• 4Q-500T	61812	GA	1	2	775	C
439.79	• 4Q-500TG	62012	GC	-	2	800	C
626.38	• 4Q-600	61814	GA	-	1	929	C
674.86	• 4Q-600L	61824	GB	-	1	929	C
740.57	• 4Q-600LT	61826	GB	-	1	929	C
676.65	• 4Q-600T	61816	GA	-	1	929	C
842.93	• 4Q-600TG	62013	GC	-	1	800	C
3.61	• 4Q-438	61815	GA	20	100	2400	A
5.62	• 4Q-438L	61817	GB	10	50	26	A
6.70	• 4Q-438LT	61821	GB	10	50	27	A
4.40	• 4Q-438T	61820	GA	20	100	22	A
5.62	• 4Q-438TG	62020	GC	20	100	22	A
3.61	• 4Q-450	61825	GA	10	50	23	A
5.59	• 4Q-450L	61833	GB	10	50	26	A
6.66	• 4Q-450LT	61834	GB	10	50	27	A
4.37	• 4Q-450T	61830	GA	10	50	24	A
5.62	• 4Q-450TG	62021	GC	10	50	24	A
5.62	• 4Q-475	61835	GA	10	50	32	A
7.87	• 4Q-475L	61841	GB	10	50	35	A
9.32	• 4Q-475LT	61842	GB	10	50	35	A
6.60	• 4Q-475T	61840	GA	10	50	32	A
8.44	• 4Q-475TG	62022	GC	10	50	32	A
11.18	• 4Q-4100	61875	GA	5	25	50	A
16.06	• 4Q-4100L	61882	GB	5	25	53	A
18.09	• 4Q-4100LT	61883	GB	5	25	53	A
12.90	• 4Q-4100T	61880	GA	5	25	53	A
16.96	• 4Q-4100TG	62023	GC	5	25	50	A
17.52	• 4Q-4125	61885	GA	2	10	76	B
24.66	• 4Q-4125L	61892	GB	2	10	81	B
26.23	• 4Q-4125LT	61893	GB	2	10	81	B
18.78	• 4Q-4125T	61890	GA	2	10	81	B
23.58	• 4Q-4125TG	62024	GC	2	10	76	B
21.17	• 4Q-4150	61895	GA	2	10	108	B
30.14	• 4Q-4150L	61902	GB	2	10	113	B
32.26	• 4Q-4150LT	61903	GB	2	10	113	B
22.87	• 4Q-4150T	61900	GA	2	10	113	B
29.06	• 4Q-4150TG	62025	GC	2	10	108	B
30.83	• 4Q-4200	61905	GA	2	10	173	B
41.29	• 4Q-4200L	61912	GB	2	10	178	B
44.15	• 4Q-4200LT	61913	GB	2	10	180	B
34.37	• 4Q-4200T	61910	GA	2	10	180	B
43.28	• 4Q-4200TG	62026	GC	2	10	175	B
138.72	• 4Q-4250	61985	GA	1	5	455	C
165.59	• 4Q-4250L	61987	GB	1	5	471	C
193.20	• 4Q-4250LT	61988	GB	1	5	503	C
163.46	• 4Q-4250T	61986	GA	1	5	503	C
204.25	• 4Q-4250TG	62027	GC	1	5	455	C
167.35	• 4Q-4300	61990	GA	1	5	633	C
201.48	• 4Q-4300L	61992	GB	1	5	649	C
233.59	• 4Q-4300LT	61993	GB	1	5	651	C
195.03	• 4Q-4300T	61991	GA	1	5	651	C
247.02	• 4Q-4300TG	62028	GC	1	5	633	C
189.55	• 4Q-4400	61995	GA	-	1	1009	C
222.18	• 4Q-4400L	61997	GB	-	1	1025	C
259.11	• 4Q-4400LT	61998	GB	-	5	1043	C
225.26	• 4Q-4400T	61996	GA	-	1	1043	C

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283.09	• 4Q-4400TG	62030	GC	-	1	1009	C
442.32	• 4Q-4500	62000	GA	-	1	2089	C
515.62	• 4Q-4500L	61999	GB	-	1	2089	C
566.17	• 4Q-4500LT	62003	GB	-	1	2125	C
487.81	• 4Q-4500T	62001	GA	-	1	2064	C
551.00	• 4Q-4500TG	62031	GC	-	1	2064	C
3.61	• 4Q-938	61845	GA	20	100	25	A
5.62	• 4Q-938L	61852	GB	10	50	29	A
6.61	• 4Q-938LT	61853	GB	10	50	30	A
4.37	• 4Q-938T	61850	GA	20	100	24	A
5.62	• 4Q-938TG	62040	GC	20	100	24	A
3.61	• 4Q-950	61855	GA	10	50	26	A
5.59	• 4Q-950L	61861	GB	10	50	29	A
6.52	• 4Q-950LT	61863	GB	10	50	30	A
4.37	• 4Q-950T	61860	GA	10	50	27	A
5.59	• 4Q-950TG	62041	GC	10	50	26	A
5.62	• 4Q-975	61865	GA	10	50	37	A
7.77	• 4Q-975L	61873	GB	10	50	40	A
9.24	• 4Q-975LT	61874	GB	10	50	40	A
6.66	• 4Q-975T	61870	GA	10	50	37	A
8.44	• 4Q-975TG	62042	GC	10	50	37	A
11.16	• 4Q-9100	61915	GA	5	25	58	A
15.77	• 4Q-9100L	61922	GB	5	25	61	A
17.58	• 4Q-9100LT	61923	GB	5	25	61	A
12.49	• 4Q-9100T	61920	GA	5	25	58	A
16.06	• 4Q-9100TG	62043	GC	5	25	58	A
17.52	• 4Q-9125	61925	GA	5	10	109	B
24.44	• 4Q-9125L	61933	GB	5	10	114	B
26.01	• 4Q-9125LT	61934	GB	5	10	112	B
18.52	• 4Q-9125T	61930	GA	5	10	109	B
23.58	• 4Q-9125TG	62044	GC	5	10	109	B
21.17	• 4Q-9150	61935	GA	5	10	144	B
30.06	• 4Q-9150L	61937	GB	5	10	149	B
32.14	• 4Q-9150LT	61938	GB	5	10	143	B
22.67	• 4Q-9150T	61940	GA	5	10	138	B
29.06	• 4Q-9150TG	62045	GC	5	10	138	B
30.83	• 4Q-9200	61945	GA	2	10	259	B
40.82	• 4Q-9200L	61953	GB	2	10	264	B
44.00	• 4Q-9200LT	61954	GB	2	10	260	B
34.09	• 4Q-9200T	61950	GA	2	10	255	B
43.28	• 4Q-9200TG	62046	GC	2	10	255	B
137.48	• 4Q-9250	61955	GA	-	1	862	C
164.23	• 4Q-9250L	61962	GB	-	1	878	C
191.83	• 4Q-9250LT	61963	GB	-	1	883	C
162.07	• 4Q-9250T	61960	GA	-	1	867	C
204.25	• 4Q-9250TG	62047	GC	-	1	867	C
167.35	• 4Q-9300	61965	GA	-	1	1200	C
200.18	• 4Q-9300L	61973	GB	-	1	1216	C
230.45	• 4Q-9300LT	61974	GB	-	1	1154	C
193.66	• 4Q-9300T	61970	GA	-	1	1138	C
247.02	• 4Q-9300TG	62048	GC	-	1	1138	C
214.96	• 4Q-9400	61975	GA	-	1	2181	C
251.16	• 4Q-9400L	61976	GB	-	1	2197	C
294.46	• 4Q-9400LT	61977	GB	-	1	2004	C
255.33	• 4Q-9400T	61980	GA	-	1	1988	C
319.73	• 4Q-9400TG	62050	GC	-	1	2181	C
442.32	• 4Q-9500	61979	GA	-	1	3000	C
515.62	• 4Q-9500L	61978	GB	-	1	3000	C
566.17	• 4Q-9500LT	61981	GB	-	1	3000	C
487.81	• 4Q-9500T	61983	GA	-	1	2928	C
551.00	• 4Q-9500TG	62052	GC	-	1	4394	C
0.62	• 4QG-50	62855	GA	100	1000	1	A
0.69	• 4QG-75	62860	GA	100	1000	1	A

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1.04	• 4QG-100	62865	GA	100	1000	2	A
1.71	• 4QG-125	62870	GA	50	500	2	B
2.06	• 4QG-150	62875	GA	50	500	2	B
2.54	• 4QG-200	62880	GA	25	250	3	B
5.81	• 4QG-250	62940	GA	10	50	5	C
8.38	• 4QG-300	62941	GA	10	50	6	C
10.98	• 4QG-350	62942	GA	10	50	6	C
10.98	• 4QG-400	62943	GA	5	25	7	C
17.02	• 4QG-500	62944	GA	5	25	7	C
337.43	4R01	04683	V	-	1	-	-
374.74	4R02	00000	V	-	1	-	-
359.97	4S02	04685	V	-	1	-	-
518.96	4S03	04686	V	-	1	-	-
551.89	4S04	04687	V	-	1	-	-
6812.06	4T22FD	00000	V	-	1	17200	-
7962.65	4T12HFD	00000	V	-	1	16300	-
409.94	4101	04732	V	-	1	-	-
511.01	4102	04733	V	-	1	-	-
615.49	4103	04734	V	-	1	-	-
779.01	4104	04735	V	-	1	-	-
1496.69	4106	04736	V	-	1	-	-
1619.34	4108	04737	V	-	1	-	-
1753.33	4110	04738	V	-	1	-	-
1875.97	4112	04739	V	-	1	-	-
461.05	4301	04740	V	-	1	-	-
573.46	4302	04741	V	-	1	-	-
981.14	4303	04742	V	-	1	-	-
1444.45	4304	04743	V	-	1	-	-
1963.41	4306	04744	V	-	1	-	-
2047.44	4308	04745	V	-	1	-	-
2203.02	4310	04746	V	-	1	-	-
2702.67	4312	04747	V	-	1	-	-
7.56	441-01	00000	V	-	1	-	-
8.35	441-02	00000	V	-	1	-	-
8.35	441-03	00000	V	-	1	-	-
8.35	441-04	00000	V	-	1	-	-
8.35	441-05	00000	V	-	1	-	-
8.35	441-06	00000	V	-	1	-	-
8.35	441-07	00000	V	-	1	-	-
0.00	441-08	00000	V	-	1	-	-
10.75	441-09	00000	V	-	1	-	-
10.75	441-10	00000	V	-	1	-	-
0.00	441-11	00000	V	-	1	-	-
0.00	441-12	00000	V	-	1	-	-
0.00	441-13	00000	V	-	1	-	-
0.00	441-14	00000	V	-	1	-	-
0.00	441-15	00000	V	-	1	-	-
9.54	441-16	00000	V	-	1	-	-
0.00	441-17	00000	V	-	1	-	-
0.00	441-20	00000	V	-	1	-	-
0.00	441-21	00000	V	-	1	-	-
0.00	441-22	00000	V	-	1	-	-
0.00	441-23	00000	V	-	1	-	-
0.00	441-24	00000	V	-	1	-	-
0.00	441-25	00000	V	-	1	-	-
0.00	441-26	00000	V	-	1	-	-
0.00	441-30	00000	V	-	1	-	-
0.00	441-31	00000	V	-	1	-	-
0.00	441-32	00000	V	-	1	-	-
0.00	441-33	00000	V	-	1	-	-
7.56	441-40	00000	V	-	1	-	-
6.82	441-KEYS	00000	V	-	1	-	-
20.27	441-16SP	08449	V	-	1	-	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
493.98	4601	04748	V	-	1	-	-
647.28	4602	04749	V	-	1	-	-
1868.57	4603	04750	V	-	1	-	-
1579.59	4604	04751	V	-	1	-	-
2102.13	4606	04752	V	-	1	-	-
2401.74	4608	04753	V	-	1	-	-
2595.93	4610	04754	V	-	1	-	-
3406.73	4612	04755	V	-	1	-	-
1.34	• 7-38	63700	EA	100	1000	3	A
0.49	• 7-50	63705	EA	100	1000	4	A
1.42	• 7-50T	63710	EA	100	1000	4	A
0.62	• 7-75	63715	EA	100	500	8	A
1.63	• 7-75T	63720	EA	100	500	6	A
1.27	• 7-100	63725	EA	50	200	12	A
2.46	• 7-100T	63730	EA	50	200	11	A
1.92	• 7-125	63735	EA	25	100	23	B
4.30	• 7-125T	63740	EA	25	100	22	B
2.56	• 7-150	63745	EA	10	50	31	B
5.67	• 7-150T	63750	EA	10	50	28	B
3.87	• 7-200	63755	EA	10	50	53	B
8.55	• 7-200T	63760	EA	10	50	53	B
8.92	• 7-250	63765	EA	5	25	70	C
22.28	• 7-250T	63770	EA	5	25	68	C
13.04	• 7-300	63775	EA	5	25	101	C
24.06	• 7-300T	63780	EA	5	25	102	C
27.37	• 7-350	63785	EA	1	5	145	C
33.84	• 7-350T	63790	EA	1	5	150	C
44.77	• 7-400	63795	EA	1	5	189	C
51.56	• 7-400T	63800	EA	1	5	178	C
123.70	• 7-500	63805	EA	-	5	352	C
151.89	• 7-500T	63808	EA	-	5	352	C
198.44	• 7-600	63810	EA	-	5	452	C
234.61	• 7-600T	63815	EA	-	5	452	C
493.98	7ASDP	04756	V	-	1	-	-
471.27	7AS10C	04757	V	-	1	-	-
493.98	7AS20C	04758	V	-	1	-	-
13138.61	7F2A	04759	V	-	1	-	-
13598.51	7F2B	04760	V	-	1	-	-
16244.40	7F3C	04761	V	-	1	-	-
23947.01	7F4D	04762	V	-	1	-	-
2884.36	7M04FD	05168	V	-	1	7100	-
3146.68	7M04HFD	05170	V	-	1	7100	-
2908.21	7M06EHD	05171	V	-	1	720	-
3280.67	7M06FD	05172	V	-	1	7200	-
3674.72	7M06HFD	05174	V	-	1	7200	-
3947.33	7M08EHD	05175	V	-	1	9500	-
4339.03	7M08FD	05176	V	-	1	9500	-
4864.80	7M08HFD	05178	V	-	1	9500	-
4119.87	7M10EHD	05179	V	-	1	9600	-
4738.75	7M10FD	05180	V	-	1	9600	-
4357.20	7M10FDB	05181	V	-	1	9600	-
5392.84	7M10HFD	05182	V	-	1	9600	-
6434.17	7M12EHD	05183	V	-	1	16300	-
7179.11	7M12FD	05184	V	-	1	16300	-
6718.06	7M12FDB	05185	V	-	1	16300	-
7962.65	7M12HFD	05186	V	-	1	16300	-
6706.71	7M14EHD	05187	V	-	1	16400	-
7576.59	7M14FD	05188	V	-	1	16400	-
7038.38	7M14FDB	05189	V	-	1	16400	-
8402.97	7M14HFD	05190	V	-	1	16400	-
8979.25	7M16EHD	05191	V	-	1	16500	-
7970.60	7M16FD	05192	V	-	1	16500	-
7358.53	7M16FDB	05193	V	-	1	16500	-

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9019.87	7M16HFD	05194	V	-	1	16500	-
7254.85	7M18EHD	05195	V	-	1	16700	-
8369.19	7M18FD	05196	V	-	1	16700	-
7682.16	7M18FDB	05197	V	-	1	16700	-
9547.91	7M18HFD	05198	V	-	1	16700	-
8766.64	7M20FD	05200	V	-	1	17000	-
8002.40	7M20FDB	05201	V	-	1	17000	-
10079.36	7M20HFD	05202	V	-	1	17000	-
9164.10	7M22FD	05204	V	-	1	17200	-
8321.49	7M22FDB	05205	V	-	1	17200	-
10607.40	7M22HFD	05206	V	-	1	17200	-
9568.41	7M24FD	05208	V	-	1	17400	-
8639.45	7M24FDB	05209	V	-	1	17400	-
11136.59	7M24HFD	05210	V	-	1	17400	-
1297.96	7MAG5H	04813	V	-	1	-	-
1149.20	7MA1-N6	04835	V	-	1	-	-
1258.27	7MA2-420U	95001	V	-	1	-	-
2337.82	7MA3-420U	95005	V	-	1	-	-
2787.84	7MA4-420U	95007	V	-	1	-	-
1026.56	7MA1-430U	04837	V	-	1	-	-
1803.29	7MA1RA-N6	04838	V	-	1	-	-
1803.29	7MA1RB-N6	04839	V	-	1	-	-
1803.29	7MA1RC-N6	04840	V	-	1	-	-
1803.29	7MA1RD-N6	04841	V	-	1	-	-
1803.29	7MA1UQ-N4	04842	V	-	1	-	-
1803.29	7MA1UR-N4	04843	V	-	1	-	-
1803.29	7MA1US-N4	00000	V	-	1	-	-
1803.29	7MA1UT-N4	04845	V	-	1	-	-
1772.63	7MA2-N6	04846	V	-	1	-	-
1096.97	7MA2-430U	04847	V	-	1	-	-
2329.07	7MA2UU-N4	00000	V	-	1	-	-
2329.07	7MA2RE-N6	04848	V	-	1	-	-
7527.72	7M20EHD	05199	V	-	1	17000	-
7801.41	7M22EHD	05203	V	-	1	17200	-
8073.94	7M24EHD	05207	V	-	1	17400	-
2524.39	7MA3-N6	04850	V	-	1	-	-
3947.26	7MA3UV-N4	00000	V	-	1	-	-
3947.26	7MA3RF-N6	04852	V	-	1	-	-
4124.41	7MA4-N6	04854	V	-	1	-	-
2145.10	7MA4-430U	04855	V	-	1	-	-
6152.55	7MA4UV-N4	07248	V	-	1	-	-
6152.55	7MA4UW-N4	00000	V	-	1	-	-
2535.07	7M04EHD	05167	V	-	1	710	-
6152.55	7MA4RG-N6	04856	V	-	1	-	-
6152.55	7MA4RH-N6	04857	V	-	1	-	-
5492.77	7MA5-420U	04860	V	-	1	-	-
13176.98	7MA5EJ-N4	04861	V	-	1	-	-
13176.98	7MA5RP-N6	04862	V	-	1	-	-
13176.98	7MA5RX-N6	04863	V	-	1	-	-
13176.98	7MA5UY-N4	04864	V	-	1	-	-
2120.12	7MBBZ	08517	V	-	1	-	-
1620.47	7MBE5Q	00000	V	-	1	-	-
2120.12	7MBE5R	00000	V	-	1	-	-
2299.54	7MB1RA-N6	08423	V	-	1	-	-
2299.54	7MB1RB-N6	08422	V	-	1	-	-
2299.54	7MB1RC-N6	07223	V	-	1	-	-
2299.54	7MB1RD-N6	08424	V	-	1	-	-
3404.46	7MB2RE-N6	08425	V	-	1	-	-
6801.46	7MB3RF-N6	06841	V	-	1	-	-
7464.13	7MB4RG-N6	11278	V	-	1	-	-
5416.70	7MB4RH-N6	00000	V	-	1	-	-
3232.98	7MCDZ	08451	V	-	1	-	-
2838.94	7M04FDB	05169	V	-	1	7100	-

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3172.89	7M06FDB	05173	V	-	1	7200	-
4199.22	7M08FDB	05177	V	-	1	9500	-
3064.92	7MCH3O	04997	V	-	1	-	-
3232.98	7MCM5V	08421	V	-	1	-	-
3587.28	7MC1RA-N6	05036	V	-	1	-	-
3587.28	7MC1RB-N6	05037	V	-	1	-	-
3587.28	7MC1RC-N6	05038	V	-	1	-	-
3587.28	7MC1RD-N6	05039	V	-	1	-	-
6368.75	7MC2RE-N6	05040	V	-	1	-	-
9374.17	7MC3RF-N6	05042	V	-	1	-	-
13756.36	7MC4RG-N6	05043	V	-	1	-	-
13756.36	7MC4RH-N6	05044	V	-	1	-	-
2458.58	7MD-600U	05045	V	-	1	-	-
5908.48	7MDR5Y	07106	V	-	1	-	-
6002.65	7MDR5N	05046	V	-	1	-	-
6002.65	7MDR5P	05047	V	-	1	-	-
6002.65	7MDR5Q	05048	V	-	1	-	-
6002.65	7MDR5R	05049	V	-	1	-	-
6002.65	7MDR5S	05050	V	-	1	-	-
6002.65	7MDR5T	05051	V	-	1	-	-
6002.65	7MDR5U	05052	V	-	1	-	-
6002.65	7MDR5V	05053	V	-	1	-	-
6002.65	7MDR5W	05054	V	-	1	-	-
6002.65	7MDR5X	05055	V	-	1	-	-
5958.50	7MDR5NE	11228	V	-	1	-	-
6002.65	7MDR5PE	11227	V	-	1	-	-
6002.65	7MDR5QE	11232	V	-	1	-	-
6002.65	7MDR5RE	11235	V	-	1	-	-
6002.65	7MDR5SE	11234	V	-	1	-	-
6002.65	7MDR5TE	11241	V	-	1	-	-
6002.65	7MDR5UE	11238	V	-	1	-	-
6002.65	7MDR5VE	00000	V	-	1	-	-
6002.65	7MDR5WE	11242	V	-	1	-	-
6002.65	7MDR5XE	11243	V	-	1	-	-
5804.07	7MDR6N	05057	V	-	1	-	-
5804.07	7MDR6P	05058	V	-	1	-	-
5804.07	7MDR6Q	05059	V	-	1	-	-
5804.07	7MDR6R	05060	V	-	1	-	-
5804.07	7MDR6S	05061	V	-	1	-	-
5804.07	7MDR6T	05062	V	-	1	-	-
5804.07	7MDR6U	05063	V	-	1	-	-
5804.07	7MDR6V	05064	V	-	1	-	-
5804.07	7MDR6W	05065	V	-	1	-	-
5804.07	7MDR6X	05066	V	-	1	-	-
5958.50	7MDR6NE	11224	V	-	1	-	-
5958.50	7MDR6PE	11226	V	-	1	-	-
5958.50	7MDR6QE	11230	V	-	1	-	-
5961.77	7MDR6RE	00000	V	-	1	-	-
5961.77	7MDR6SE	00000	V	-	1	-	-
5961.77	7MDR6TE	00000	V	-	1	-	-
5961.77	7MDR6UE	00000	V	-	1	-	-
5961.77	7MDR6VE	00000	V	-	1	-	-
5961.77	7MDR6WE	00000	V	-	1	-	-
5961.77	7MDR6XE	00000	V	-	1	-	-
6002.65	7MDVA	05067	V	-	1	-	-
6002.65	7MDVB	05068	V	-	1	-	-
6002.65	7MDVC	05069	V	-	1	-	-
6002.65	7MDVD	05070	V	-	1	-	-
6002.65	7MDVE	05071	V	-	1	-	-
6002.65	7MDVF	05072	V	-	1	-	-
6002.65	7MDVH	05073	V	-	1	-	-
6002.65	7MDVJ	05074	V	-	1	-	-
6002.65	7MDVK	05075	V	-	1	-	-

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5804.07	7MDV2A	05076	V	-	1	-	-
5804.07	7MDV2B	05077	V	-	1	-	-
5804.07	7MDV2C	05078	V	-	1	-	-
5804.07	7MDV2D	05079	V	-	1	-	-
5804.07	7MDV2E	05080	V	-	1	-	-
5804.07	7MDV2F	05081	V	-	1	-	-
5804.07	7MDV2H	05082	V	-	1	-	-
5804.07	7MDV2J	05083	V	-	1	-	-
5804.07	7MDV2K	05084	V	-	1	-	-
3147.51	7MD1RA-N6	05085	V	-	1	-	-
3147.51	7MD1RB-N6	05086	V	-	1	-	-
3147.51	7MD1RC-N6	05087	V	-	1	-	-
3147.51	7MD1RD-N6	05088	V	-	1	-	-
6554.78	7MD2RE-N6	05089	V	-	1	-	-
7217.71	7MD3RF-N6	05090	V	-	1	-	-
14397.11	7MD4RG-N6	05091	V	-	1	-	-
14397.11	7MD4RH-N6	05092	V	-	1	-	-
4256.76	7ME-600U	05093	V	-	1	-	-
6948.45	7MEP3M	05094	V	-	1	-	-
6948.45	7MEP3N	05095	V	-	1	-	-
6948.45	7MEP3P	05096	V	-	1	-	-
6948.45	7MEP3Q	05097	V	-	1	-	-
6948.45	7MEP3R	05098	V	-	1	-	-
9138.14	7MEP3S	07108	V	-	1	-	-
6948.45	7MEP3O	00000	V	-	1	-	-
8402.78	7MEP4M	05101	V	-	1	-	-
8402.78	7MEP4N	05102	V	-	1	-	-
8402.78	7MEP4O	05103	V	-	1	-	-
8402.78	7MEP4P	05104	V	-	1	-	-
8402.78	7MEP4Q	05105	V	-	1	-	-
8402.78	7MEP4R	05106	V	-	1	-	-
9691.58	7MEP7M	11191	V	-	1	-	-
9691.58	7MEP7N	11193	V	-	1	-	-
9691.58	7MEP7O	11194	V	-	1	-	-
9691.58	7MEP7P	11195	V	-	1	-	-
9691.58	7MEP7Q	11196	V	-	1	-	-
9691.58	7MEP7R	11197	V	-	1	-	-
8244.27	7MEP8M	11180	V	-	1	-	-
8244.27	7MEP8N	11181	V	-	1	-	-
8244.27	7MEP8O	11182	V	-	1	-	-
8244.27	7MEP8P	11183	V	-	1	-	-
8244.27	7MEP8Q	11184	V	-	1	-	-
8244.27	7MEP8R	11186	V	-	1	-	-
9691.58	7MEP7ME	00000	V	-	1	-	-
9691.58	7MEP7NE	00000	V	-	1	-	-
9691.58	7MEP7OE	00000	V	1	1	-	-
9691.58	7MEP7QE	00000	V	-	1	-	-
8722.36	7MEP7RS	00000	V	1	1	-	-
8244.27	7MEP8ME	00000	V	1	1	-	-
8244.27	7MEP8NE	00000	V	1	1	-	-
8244.27	7MEP8OE	00000	V	1	1	-	-
8244.27	7MEP8QE	00000	V	1	1	-	-
8244.27	7MEP8RE	00000	V	1	1	-	-
6948.45	7MEUA	05107	V	-	1	-	-
6948.45	7MEUB	05108	V	-	1	-	-
6948.45	7MEUC	05109	V	-	1	-	-
6948.45	7MEUD	05110	V	-	1	-	-
6948.45	7MEUE	05111	V	-	1	-	-
6948.45	7MEUF	05112	V	-	1	-	-
6948.45	7MEUZ	05113	V	-	1	-	-
8402.78	7MEU2A	05114	V	-	1	-	-
7881.14	7MEU2B	05115	V	-	1	-	-
8402.78	7MEU2C	05116	V	-	1	-	-

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8482.75	7MEU2D	05117	V	-	1	-	-
8482.75	7MEU2E	05118	V	-	1	-	-
8482.75	7MEU2F	05119	V	-	1	-	-
8482.75	7MEU2Z	05120	V	-	1	-	-
9136.84	7MEUG	08453	V	-	1	-	-
4336.76	7MF-600U	05121	V	-	1	-	-
10131.61	7MFMT	05122	V	-	1	-	-
10131.61	7MFMU	05123	V	-	1	-	-
10131.61	7MFMV	05124	V	-	1	-	-
10131.61	7MFMW	05125	V	-	1	-	-
10131.61	7MFMX	05126	V	-	1	-	-
10131.61	7MFMY	05127	V	-	1	-	-
10131.61	7MFMZ	05128	V	-	1	-	-
9404.84	7MFM2T	05129	V	-	1	-	-
9404.84	7MFM2U	05130	V	-	1	-	-
9404.84	7MFM2V	05131	V	-	1	-	-
9404.84	7MFM2W	05132	V	-	1	-	-
9404.84	7MFM2X	05133	V	-	1	-	-
9404.84	7MFM2Y	05134	V	-	1	-	-
9404.84	7MFM2Z	05135	V	-	1	-	-
10131.61	7MFR3V	05136	V	-	1	-	-
10131.61	7MFR3W	05137	V	-	1	-	-
10131.61	7MFR3X	05138	V	-	1	-	-
10131.61	7MFR3Y	05139	V	-	1	-	-
10131.61	7MFR3Z	05140	V	-	1	-	-
9404.84	7MFR4V	05141	V	-	1	-	-
9404.84	7MFR4W	05142	V	-	1	-	-
9404.84	7MFR4X	05143	V	-	1	-	-
9404.84	7MFR4Y	05144	V	-	1	-	-
9404.84	7MFR4Z	05145	V	-	1	-	-
9893.13	7MFR7V	11215	V	-	1	-	-
9893.13	7MFR7W	11217	V	-	1	-	-
9893.13	7MFR7X	11218	V	-	1	-	-
9893.13	7MFR7Y	11220	V	-	1	-	-
9893.13	7MFR7Z	11222	V	-	1	-	-
9893.13	7MFR7VE	00000	V	-	1	-	-
9893.13	7MFR7WE	00000	V	-	1	-	-
9893.13	7MFR7XE	00000	V	-	1	-	-
9893.13	7MFR7YE	00000	V	-	1	-	-
9893.13	7MFR7ZE	00000	V	-	1	-	-
9166.36	7MFR8V	11205	V	-	1	-	-
9166.36	7MFR8VE	00000	V	-	1	-	-
9166.36	7MFR8W	11208	V	-	1	-	-
9166.36	7MFR8WE	00000	V	-	1	-	-
9166.36	7MFR8X	11206	V	-	1	-	-
9166.36	7MFR8XE	00000	V	-	1	-	-
9166.36	7MFR8Y	11211	V	-	1	-	-
9166.36	7MFR8YE	00000	V	-	1	-	-
9166.36	7MFR8Z	11216	V	-	1	-	-
9166.36	7MFR8ZE	00000	V	-	1	-	-
10131.61	7MFTZ	05146	V	-	1	-	-
9404.84	7MFT2Z	05147	V	-	1	-	-
5893.05	7MG-600U	05148	V	-	1	-	-
16172.86	7MGKS	05149	V	-	1	-	-
16172.86	7MGKU	05150	V	-	1	-	-
16172.86	7MGKV	05151	V	-	1	-	-
16172.86	7MGKW	05152	V	-	1	-	-
16172.86	7MGKX	05153	V	-	1	-	-
15363.19	7MGK2S	05154	V	-	1	-	-
15363.19	7MGK2U	05155	V	-	1	-	-
15363.19	7MGK2V	05156	V	-	1	-	-
15363.19	7MGK2W	05157	V	-	1	-	-
15363.19	7MGK2X	05158	V	-	1	-	-
16172.86	7MGS3D	05159	V	-	1	-	-
16172.86	7MGS3E	05160	V	-	1	-	-
16172.86	7MGS3F	05161	V	-	1	-	-
16172.86	7MGS3G	05162	V	-	1	-	-
15363.19	7MGS4D	05163	V	-	1	-	-
15363.19	7MGS4E	05164	V	-	1	-	-
15363.19	7MGS4F	05165	V	-	1	-	-
15363.19	7MGS4G	05166	V	-	1	-	-
15124.73	7MGS8DE	00000	V	-	1	-	-
15934.39	7MGS7BE	11249	V	1	1	-	-
15934.39	7MGS7CE	11256	V	1	1	-	-
15934.39	7MGS7DE	11260	V	1	1	-	-
15934.39	7MGS7EE	11264	V	1	1	-	-
15934.39	7MGS7FE	11268	V	-	1	-	-
15934.39	7MGS7GE	00000	V	-	1	-	-
15124.73	7MGS8BE	11247	V	1	1	-	-
15124.73	7MGS8CE	11255	V	1	1	-	-
15124.73	7MGS8EE	00000	V	-	1	-	-
15124.73	7MGS8FE	00000	V	-	1	-	-
15124.73	7MGS8GE	00000	V	-	1	-	-
2193.93	7N06	05211	V	-	1	-	-
2271.15	7N08	05212	V	-	1	-	-
2342.69	7N10	05213	V	-	1	-	-
2413.09	7N12	05214	V	-	1	-	-
3479.40	7N14	05215	V	-	1	-	-
3541.86	7N16	05216	V	-	1	-	-
3625.89	7N18	05217	V	-	1	-	-
3708.93	7N20	05218	V	-	1	-	-
4421.93	7N22	05219	V	-	1	-	-
4498.01	7N24	05220	V	-	1	-	-
10435.94	7N26-PM	05221	V	-	1	-	-
10515.42	7N28-PM	05222	V	-	1	-	-
10591.51	7N30-PM	05223	V	-	1	-	-
2193.93	7P06	05224	V	-	1	-	-
2271.15	7P08	05225	V	-	1	-	-
2342.69	7P10	05226	V	-	1	-	-
2413.09	7P12	05227	V	-	1	-	-
3479.40	7P14	05228	V	-	1	-	-
3541.86	7P16	05229	V	-	1	-	-
3625.89	7P18	05230	V	-	1	-	-
3708.93	7P20	05231	V	-	1	-	-
4421.93	7P22	05232	V	-	1	-	-
4498.01	7P24	05233	V	-	1	15000	-
10435.94	7P26-PM	05234	V	-	1	-	-
10515.42	7P28-PM	05235	V	-	1	-	-
10591.51	7P30-PM	05236	V	-	1	-	-
484.51	7R01	05237	V	-	1	-	-
516.96	7R02	05238	V	-	1	-	-
548.78	7S02	05239	V	-	1	-	-
587.66	7S03	05240	V	-	1	-	-
551.89	7S04	05241	V	-	1	-	-
2533.47	7T04EHD	05242	V	-	1	7100	-
2796.92	7T06EHD	05246	V	-	1	7200	-
3699.71	7T08EHD	05250	V	-	1	9500	-
4119.67	7T10EHD	05254	V	-	1	9600	-
6434.17	7T12EHD	05258	V	-	1	16300	-
6798.71	7T14EHD	05262	V	-	1	16400	-
6979.25	7T16EHD	05266	V	-	1	16500	-
7254.05	7T18EHD	05270	V	-	1	16700	-
7526.59	7T20EHD	05274	V	-	1	17000	-
7801.41	7T22EHD	05278	V	-	1	17200	-
8072.80	7T24EHD	05282	V	-	1	17400	-
2773.86	7T04FD	05243	V	-	1	7100	-

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Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
3153.49	7T06FD	05247	V	-	1	7200	-
4173.24	7T08FD	05251	V	-	1	9500	-
4738.75	7T10FD	05255	V	-	1	9600	-
7179.11	7T12FD	05259	V	-	1	16300	-
7576.56	7T14FD	05263	V	-	1	16400	-
7976.68	7T16FD	05267	V	-	1	16500	-
8369.19	7T18FD	05271	V	-	1	16700	-
8766.64	7T20FD	05275	V	-	1	17000	-
9164.10	7T22FD	05279	V	-	1	17200	-
9560.41	7T24FD	05283	V	-	1	17400	-
2625.45	7T04FDB	05244	V	-	1	7100	-
2933.19	7T06FDB	05248	V	-	1	7200	-
3881.40	7T08FDB	05252	V	-	1	9500	-
4357.20	7T10FDB	05256	V	-	1	9600	-
6716.06	7T12FDB	05260	V	-	1	16300	-
7038.30	7T14FDB	05264	V	-	1	16400	-
7358.53	7T16FDB	05268	V	-	1	16500	-
7682.16	7T18FDB	05272	V	-	1	16700	-
8002.40	7T20FDB	05276	V	-	1	17000	-
8321.49	7T22FDB	05280	V	-	1	17200	-
8639.45	7T24FDB	05284	V	-	1	17400	-
3025.17	7T04HFD	05245	V	-	1	7100	-
3532.78	7T06HFD	05249	V	-	1	7200	-
4678.57	7T08HFD	05253	V	-	1	9500	-
5392.84	7T10HFD	05257	V	-	1	9600	-
7962.65	7T12HFD	05261	V	-	1	16300	-
8492.97	7T14HFD	05265	V	-	1	16400	-
9019.87	7T16HFD	05269	V	-	1	16500	-
9547.91	7T18HFD	05273	V	-	1	16700	-
10079.36	7T20HFD	05277	V	-	1	17000	-
10607.40	7T22HFD	05281	V	-	1	17200	-
11136.59	7T24HFD	05285	V	-	1	17400	-
511.01	7101	05286	V	-	1	-	-
840.33	7102	05287	V	-	1	-	-
1107.19	7103	05288	V	-	1	-	-
1149.20	7104	05289	V	-	1	-	-
1619.34	7106	05290	V	-	1	-	-
1761.28	7108	05291	V	-	1	-	-
1827.14	7110	05292	V	-	1	-	-
2235.94	7112	05293	V	-	1	-	-
573.46	7301	05294	V	-	1	-	-
1107.19	7302	05295	V	-	1	-	-
1476.25	7303	05296	V	-	1	-	-
1527.35	7304	05297	V	-	1	-	-
2204.15	7306	05298	V	-	1	-	-
2932.06	7308	05299	V	-	1	-	-
3077.41	7310	05300	V	-	1	-	-
4471.90	7312	05301	V	-	1	-	-
595.04	7601	05302	V	-	1	-	-
1198.08	7602	05303	V	-	1	-	-
1652.26	7604	05305	V	-	1	-	-
2401.74	7606	05306	V	-	1	-	-
3197.78	7608	05307	V	-	1	-	-
3394.23	7610	05308	V	-	1	-	-
5207.75	7612	05309	V	-	1	-	-
2.59	8-50	64200	BA	25	250	14	A
3.42	8-50T	64205	BA	25	250	15	A
3.55	8-75	64220	BA	25	100	30	A
4.82	8-75T	64225	BA	25	250	31	A
5.80	8-100	64240	BA	5	25	43	A
7.95	8-100T	64245	BA	5	25	37	A
15.90	8-125	64260	BA	5	25	95	B
15.97	8-125T	64265	BA	5	25	88	B
21.67	8-150	64280	BA	5	25	129	B
23.34	8-150T	64285	BA	5	25	122	B
38.98	8-200	64300	BA	1	5	243	B
39.39	8-200T	64305	BA	1	5	240	B
2.90	8-450	64715	BA	25	250	15	A
4.33	8-450T	64720	BA	25	250	14	A
3.87	8-475	64735	BA	25	100	21	A
5.75	8-475T	64740	BA	25	100	21	A
6.30	8-4100	64755	BA	10	50	34	A
9.42	8-4100T	64760	BA	10	50	34	A
16.83	8-4125	64775	BA	5	25	70	B
25.20	8-4125T	64780	BA	5	25	70	B
24.70	8-4150	64795	BA	5	25	86	B
37.18	8-4150T	64800	BA	5	25	86	B
41.11	8-4200	64815	BA	2	10	175	B
61.69	8-4200T	64820	BA	2	10	175	B
4.53	• 8-E-450	65230	FD	25	100	19	-
8.66	• 8-E-4100	65250	FD	5	50	46	A
7.47	• 8E-475	65240	FD	25	100	27	A
3.28	• 8050-W	87900	FD	25	100	19	A
4.48	• 8050-WT	87905	FD	25	100	19	A
3.23	• 8050SS	87910	FD	25	100	15	A
1.48	• 806	79100	KB	25	100	13	A
1.50	• 806F	79105	KB	25	100	13	A
1.84	• 806T	79101	KB	25	100	13	A
5.40	• 8075-W	87915	FD	25	100	32	A
7.24	• 8075-WT	87920	FD	25	100	32	A
5.31	• 8075SS	87925	FD	25	100	26	A
8.15	• 8100SS	87940	FD	10	50	37	A
8.26	• 8100W	87930	FD	10	50	50	A
19.25	• 8125-W	87945	FD	5	25	116	B
25.72	• 8150-W	87955	FD	5	10	132	B
32.35	• 8200-W	87965	FD	2	10	292	B
7.61	8436RN	13655	W	-	50	60	-
7.62	8438RN	13654	W	-	50	53	-
7.61	8456RN	13657	W	-	50	66	-
7.62	8458RN	13656	W	-	50	60	-
3.14	• 9-50	65700	EA	10	100	28	A
4.16	• 9-50T	65705	EA	10	100	27	A
4.31	• 9-75	65710	EA	10	50	40	A
5.38	• 9-75T	65715	EA	10	50	39	A
9.87	• 9-100	65720	EA	5	25	67	A
13.27	• 9-100T	65725	EA	5	25	73	A
14.52	• 9-125	65730	EA	2	10	115	A
19.92	• 9-125T	65735	EA	2	10	122	A
1.80	• 9038-W	88500	FD	25	100	14	A
3.39	• 9050-W	88505	FD	10	100	20	A
1.67	• 906Z	12032	KB	20	100	21	A
1.91	• 906F	79605	KB	20	100	21	A
2.82	• 906T	79601	KB	20	100	21	A
3.72	• 907	79615	KB	10	50	36	B
3.72	• 907F	79620	KB	10	50	36	B
4.22	• 907T	79616	KB	10	50	36	B
4.36	• 9075-W	88510	FD	10	100	29	A
6.36	• 908	79635	KB	5	50	44	B
6.36	• 908F	79640	KB	5	50	44	B
9.90	• 908T	79636	KB	5	50	44	B
10.22	• 909	79645	KB	5	25	90	B
10.22	• 909F	79650	KB	5	25	90	B
12.47	• 909T	79646	KB	5	25	90	B
11.54	• 9100-W	88515	FD	10	50	44	A
489.94	9101	05310	V	-	1	-	-
589.87	9102	05311	V	-	1	-	-

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614.34	9103	05312	V	-	1	-	-
777.37	9104	05313	V	-	1	-	-
1485.55	9106	05314	V	-	1	-	-
1920.47	9108	05315	V	-	1	-	-
1704.46	9110	05316	V	-	1	-	-
1875.25	9112	05317	V	-	1	-	-
13.18	• 9125-W	88520	FD	5	25	72	B
14.86	• 9150-W	88525	FD	5	25	112	B
22.21	• 9200-W	88530	FD	2	10	160	B
461.85	9301	05318	V	-	1	-	-
573.48	9302	05319	V	-	1	-	-
974.33	9303	05320	V	-	1	-	-
1445.58	9304	05321	V	-	1	-	-

Distributor Cost Each	Catalog Number	UIC Item No. 783126-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
1969.06	9306	05322	V	-	1	-	-
2650.86	9308	05323	V	-	1	-	-
2120.12	9310	05324	V	-	1	-	-
2952.74	9312	05325	V	-	1	-	-
482.98	9601	05326	V	-	1	-	-
647.88	9602	05327	V	-	1	-	-
1068.67	9603	05328	V	-	1	-	-
1979.58	9604	05329	V	-	1	-	-
2182.15	9606	05330	V	-	1	-	-
2491.74	9608	05331	V	-	1	-	-
2496.68	9610	05332	V	-	1	-	-
3275.88	9612	05333	V	-	1	-	-

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Steel Boxes and Covers

Distributor Cost Per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
16.04	• GR-12	43655	FF	-	1000	0.4	A
79.04	• LVP-1	25677	FF	-	100	18	C
111.04	• LVP-2	52339	FF	-	25	25	C
146.82	• LVP-250	49250	FF	-	100	16	C
146.82	• LVP-350	49255	FF	-	100	23.5	C
226.74	• LVP250-1	52329	FF	-	50	14	C
228.60	• LVP350-1	52328	FF	-	50	16	C
96.98	• MSC-OB	32267	FF	-	50	6	C
333.23	• M1-250	49265	FF	-	25	66	B
342.83	• M1-350	49270	FF	-	25	86	A
452.37	• M2-250	49275	FF	-	25	116	C
450.83	• M2-350	49280	FF	-	25	121	C
527.71	• M3-250	49285	FF	-	10	140	C
595.48	• M3-350	49300	FF	-	10	163	C
542.36	• M4-250	52326	FF	-	5	160	C
759.82	• M4-350	52327	FF	-	5	200	C
84.75	• OCP	64060	FF	-	50	26	B
130.05	• OCP-3/8	64065	FF	-	25	30	C
250.42	• OCR2	64075	FF	-	25	55	C
256.84	• OCR2-1/2	64080	FF	-	25	70	C
272.61	• OCR3	64085	FF	-	25	83	C
287.27	• OCR3-1/2	64090	FF	-	25	96	B
373.39	• OCR4	64095	FF	-	20	109	C
192.63	• SB1	18136	FF	-	25	37	C
5.31	• SCR1032	66840	FF	-	1000	0.5	A
22.25	• SCR1032-PTL	66845	FF	-	1000	1.2	C
31.79	• SCR1032-PTL1	12099	FF	-	1000	2	A
157.65	• SX115	68550	FF	-	50	42	B
326.07	• SX115-40-1/2	68555	FF	-	25	92	C
385.17	• SX115-551L	68560	FF	-	25	103	B
340.82	• SX115-561L	68565	FF	-	25	99	B
183.88	• SX160	68575	FF	-	50	52	B
154.83	• SX18	68525	FF	-	50	34	C
352.52	• SX18-561L	68535	FF	-	25	96	C
165.17	• SX26	68540	FF	-	50	50	B
163.43	• 111	75865	FF	-	50	47	B
228.66	• 111HB	75870	FF	-	50	54	B
145.36	• 111LE	75875	FF	-	50	45	C
486.69	• 132AP-SPL	52308	FF	-	25	88	C
529.24	• 132APFB-SPL	52309	FF	-	25	100	C
426.04	• 132AP1/2	62758	FF	-	25	84	C
941.95	• 133APFB1/2	62767	FF	-	20	130	C
1167.11	• 134APFB1/2	62768	FF	-	20	150	C
189.30	• 1490	77075	FF	-	25	11	B
192.12	• 16LE	17547	FF	-	50	70	C
203.17	• 16LE-VB	17548	FF	-	50	78	C
184.02	• 16LES	44208	FF	-	50	66	C
188.41	• 16LESN	44207	FF	-	50	78	A
211.89	• 171F	25783	FF	-	50	55	B
205.54	• 173F	75980	FF	-	50	63	A
272.46	• 173FHB	51084	FF	-	50	63	A
239.80	• 173FNL	75985	FF	-	25	70	C
213.87	• 173FVB	75995	FF	-	50	72	B
279.66	• 174F	51462	FF	-	50	66	B
281.92	• 174FVB-PL	51086	FF	-	50	72	A
365.08	• 175F	51088	FF	-	25	80	B
345.05	• 175FVB	53943	FF	-	25	86	B
230.34	• 18LES	12913	FF	-	25	81	C
313.54	• 18LESN	62159	FF	-	25	117	A
287.93	• 18LESNX	44444	FF	-	25	85	A
195.52	• 180-1/2	76020	FF	-	50	-	C
195.52	• 180-1/2-AB	60056	FF	-	50	68	C
75.86	• 180A	76025	FF	25	100	13	C
75.86	• 180G	62066	FF	25	100	10	C
75.86	• 180T	76030	FF	25	100	12	C
75.86	• 180W	76035	FF	25	100	9.5	C
84.39	• 180X	76040	FF	25	100	10	B
202.82	• 181-1/2	76050	FF	-	50	60	B
213.92	• 184E	76055	FF	-	50	39	C
759.56	• 2G-50	74870	FF	-	5	136	C
713.12	• 2G-5075	74880	FF	-	5	135	C
713.12	• 2G-75	74875	FF	-	5	134	C
349.69	• 2GC-75	74890	FF	-	5	66	C
153.36	• 222	76060	FF	-	50	56.6	A
327.96	• 222-OW	52334	FF	-	50	61.5	C
139.23	• 222LE	76065	FF	-	50	56	B
202.88	• 222NL	76070	FF	-	25	66	C
161.49	• 222VB-PL	76080	FF	-	50	64	A
197.40	• 225	76085	FF	-	50	58	C
42.02	• 2510	77095	FF	25	100	8	A
56.65	• 2520	77100	FF	50	100	12	A
70.26	• 2538	77105	FF	25	100	10	C
55.85	• 2539	77110	FF	25	100	10	B
43.57	• 2540	77115	FF	25	100	11	A
86.12	• 2555	77120	FF	25	100	18	B
42.55	• 2594	77155	FF	25	100	11	A
913.82	• 3G-50	25779	FF	-	5	165	C
913.82	• 3G-5075	74910	FF	-	5	160	C
913.82	• 3G-75	74905	FF	-	5	160	C
414.44	• 3GC-75	25781	FF	-	5	75	C
152.94	• 30-1/2	75435	FF	-	50	38	B
189.59	• 30E-1/2	75440	FF	-	25	34	C
174.94	• 333	76145	FF	-	50	61	A
295.96	• 333D	76150	FF	-	25	77	A
198.53	• 333D-LE	76155	FF	-	25	70	B
172.31	• 333LE	76160	FF	-	50	60	C
220.57	• 333VB	76175	FF	-	50	67	C
184.07	• 335	76180	FF	-	50	64	B
223.77	• 336	76190	FF	-	25	78	B
186.53	• 383	76200	FF	-	50	53	B
176.98	• 384	76215	FF	-	50	61	A
332.95	• 384-OW	52336	FF	-	50	68	C
292.72	• 384D	76230	FF	-	25	82	A
338.62	• 384D-NL	76240	FF	-	25	87	C
258.07	• 384D-VBPL	76245	FF	-	25	87	A
257.81	• 384DLE	76235	FF	-	25	76	B
196.66	• 384DW-PL	18252	FF	-	25	72	C
147.53	• 384LE	76270	FF	-	50	60	A
161.95	• 384LES	76275	FF	-	50	61	B
296.98	• 384LES-VB	76285	FF	-	50	66	C
171.68	• 384LR	76290	FF	-	50	63	A
291.93	• 384NL	76295	FF	-	25	70	C
172.26	• 384VB-PL	76320	FF	-	50	63	A
385.69	• 384VB-PL2G	76325	FF	-	25	97	C
168.92	• 385-LES	76335	FF	-	50	64	C
176.86	• 385-LESN	76340	FF	-	50	67	B
162.70	• 388-OR-44	76430	FF	-	50	56	A
289.66	• 388DW	76365	FF	-	50	62	C
256.13	• 388HB	76370	FF	-	50	60	C
142.77	• 388LE-OR-44LE	76390	FF	-	50	52	A
145.08	• 388LES	76395	FF	-	50	50	C
165.02	• 388LESN	76400	FF	-	50	56	C
162.70	• 388LR-OR-44LR	76410	FF	-	50	56	A
289.66	• 388NL-OR-44NL	76420	FF	-	50	62	C
198.54	• 388VB-OR-44VB	76440	FF	-	50	64	C
386.97	• 388VB-PL2G	76450	FF	-	25	84	C

EGS O-Z/GEDNEY

When ordering, order standard carton quantities only. Orders for less than standard carton quantities will be rounded up to a full carton quantity and billed accordingly.

Steel Boxes and Covers

Distributor Cost Per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
224.61	• 389	76455	FF	-	50	65	A
233.68	• 389VB	76465	FF	-	50	71	B
141.84	• 4CL	74930	FF	-	50	36	B
124.49	• 4CS-1/2	74935	FF	-	50	50	A
147.52	• 4CS-3/4	74940	FF	-	50	49	B
144.74	• 4CSE1/2	62763	FF	-	50	40	C
121.00	• 4CSL-1/2	74945	FF	-	50	39	A
174.21	• 4CSVB-1/2	74950	FF	-	50	65	C
198.04	• 4CSX-1/2PL	74955	FF	-	50	63	C
1246.09	• 4G-5075	52311	FF	-	5	200	C
573.19	• 4GC-75	52319	FF	-	5	80	C
126.94	• 4O-SPL	75475	FF	-	50	52	B
117.64	• 4O-1/2	75000	FF	-	50	52	A
126.94	• 4O-3/4	75010	FF	-	50	52	B
179.62	• 4OD-SPL	75025	FF	-	25	68	C
160.99	• 4OD-1/2	75015	FF	-	25	60	B
182.53	• 4OD-3/4	75020	FF	-	25	66	C
167.60	• 4OE-SPL	75050	FF	-	50	39	C
153.11	• 4OE-1/2	75030	FF	-	50	37	B
174.99	• 4OE-3/4	75035	FF	-	50	39	C
176.72	• 4OJB-1/2	75055	FF	-	25	63	C
169.71	• 4OVB-1/2	75480	FF	-	50	62	C
139.87	• 4S-SPL	75335	FF	-	50	73	A
155.65	• 4S-SPL-DR	50097	FF	-	50	64	A
253.00	• 4S-SPL-SB2-1/2	50628	FF	-	25	92	C
257.57	• 4S-SPL-SB3-5/8	50633	FF	-	25	102	C
139.95	• 4S-1/2	75065	FF	-	50	72	A
145.88	• 4S-3/4	75070	FF	-	50	67	B
193.27	• 4SAB-EK	77122	FF	-	25	82	B
198.11	• 4SB-EK	77123	FF	-	25	78	C
248.12	• 4SD-1	75095	FF	-	25	84	A
245.66	• 4SD-3/4	75105	FF	-	25	91	A
244.35	• 4SD-EK	77126	FF	-	25	82	A
313.65	• 4SDVB-EK-PL	77127	FF	-	25	104	A
188.00	• 4SE-1/2	75115	FF	-	50	44	A
242.39	• 4SE-3/4	75120	FF	-	50	44	B
139.95	• 4SEK	70317	FF	-	50	73	A
191.95	• 4SES	75125	FF	-	50	45	A
302.07	• 4SJ-3/4	75165	FF	-	25	87	C
302.07	• 4SJ-EK	77137	FF	-	25	91	B
315.94	• 4SJD-1	75170	FF	-	25	103	B
594.79	• 4SJD-1-VB	54116	FF	-	25	122	C
355.25	• 4SJD-1-1/4	75175	FF	-	25	106	C
315.94	• 4SJD-3/4	75185	FF	-	25	106	B
316.95	• 4SJD-3/4-1	75190	FF	-	25	108	B
433.41	• 4SJDE-1	46866	FF	-	25	75	C
386.97	• 4SJDE-1/2-3/4	46867	FF	-	25	75	B
374.43	• 4SJDE12	62762	FF	-	25	88	C
306.98	• 4SJD-EK	77138	FF	-	25	104	A
724.75	• 4SJD-EK-VB	77139	FF	-	25	124	B
174.35	• 4SL-1/2	75230	FF	-	50	61	B
194.93	• 4SOB-EK	77124	FF	-	25	89	K
340.94	• 4SP	17539	FF	-	50	70	A
550.68	• 4SPD	17541	FF	-	25	82	B
715.90	• 4SPD-W/C	60509	FF	-	25	119	C
641.43	• 4SPJD	17542	FF	-	25	108	C
221.31	• 4SR-EK	77128	FF	-	25	74	C
256.63	• 4SR-SB2-1/2	50629	FF	-	25	93	C
263.84	• 4SR-SB3-5/8	50634	FF	-	25	103	C
231.12	• 4SRAB-EK	77129	FF	-	25	88	C
281.13	• 4SRB-EK	77130	FF	-	25	88	C
326.07	• 4SRD	17543	FF	-	25	90	C
363.13	• 4SRDVB-PL	46868	FF	-	25	100	B

Distributor Cost Per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
231.12	• 4SRDB-EK	77131	FF	-	25	94	K
257.00	• 4SRVB-EK-PL	77132	FF	-	25	84	B
169.36	• 4SS	75275	FF	-	50	34	C
301.12	• 4SSBESPL	62761	FF	-	50	64	C
140.62	• 4SSL-1/2	75285	FF	-	50	54	A
171.81	• 4SSL-3/4	75290	FF	-	50	61	C
585.66	• 4SSLD-1/2	75295	FF	-	50	63	C
142.11	• 4SSLE-1/2	75305	FF	-	50	36	B
121.00	• 4SSLS-1/2	75310	FF	-	50	46	A
192.55	• 4SSLVB-1/2	75320	FF	-	50	74	C
216.38	• 4SSLX-1/2PL	75330	FF	-	50	71	C
169.35	• 4SSL1/2-DR	50184	FF	-	50	56	A
187.65	• 4SSL3/4-DR	50186	FF	-	50	57	C
265.58	• 4SSPLMB358	80065	FF	-	25	-	A
193.27	• 4SVB-EK-PL	77125	FF	-	25	81	A
198.90	• 4SVB34PL	62759	FF	-	25	84	C
245.05	• 4SX-EK	77133	FF	-	25	100	B
382.53	• 4SX-SB2-1/2	50631	FF	-	25	119	C
414.49	• 4SX-SB3-5/8	50636	FF	-	25	129	C
271.23	• 4SXAB-EK	77134	FF	-	25	92	C
279.02	• 4SXB-EK-PL	77135	FF	-	25	89	C
324.83	• 4SXD	51083	FF	-	25	87	C
435.16	• 4SXDVB-PL	50529	FF	-	25	114	C
247.17	• 4SXVB-EK-PL	77136	FF	-	25	100	B
146.96	• 4S1/2-DR	50094	FF	-	50	73	A
272.46	• 4S1/2-SB2-1/2	50627	FF	-	25	92	C
272.46	• 4S1/2-SB3-5/8	50632	FF	-	25	102	C
156.63	• 4S3/4-DR	50096	FF	-	50	73	A
1717.99	• 5G-5075	52312	FF	-	5	200	C
747.64	• 5GC-75	52321	FF	-	5	90	C
156.19	• 510L	62764	FF	-	50	25	C
136.71	• 510LC	76475	FF	-	50	29	A
207.67	• 551L	76490	FF	-	50	60	C
339.28	• 551LDJB	54114	FF	-	25	84	B
277.08	• 551LJB	54112	FF	-	25	74	C
202.36	• 560L	76500	FF	-	50	48	B
260.50	• 560LVB	76505	FF	-	50	56	C
275.47	• 560LXE	76510	FF	-	50	48	B
161.12	• 561L	76520	FF	-	50	56	A
222.67	• 561LD	76525	FF	-	25	69	B
273.09	• 561LDJB	76530	FF	-	25	80	B
207.58	• 561LJB	76535	FF	-	25	74	A
209.46	• 561LVB	76545	FF	-	25	66	B
236.47	• 561LXE	76550	FF	-	50	62	B
170.36	• 561N	76555	FF	-	50	57	B
3138.09	• 6G-5075	52313	FF	-	2	200	C
1259.78	• 6GC-75	53222	FF	-	5	100	C
5034.52	• 7G-5075	52314	FF	-	2	200	C
2132.43	• 7GC-75	52323	FF	-	5	175	C
5628.79	• 8G-5075	52317	FF	-	2	301	C
2964.68	• 8GC-75	52324	FF	-	5	200	C
53.25	• 8301A	77455	FF	-	50	16	C
51.63	• 8320	77465	FF	-	50	17	B
179.47	• 8360	40423	FF	-	25	41	C
131.78	• 8361	77470	FF	-	25	44	B
125.28	• 8362	62062	FF	-	25	38	C
139.31	• 8363	77475	FF	-	25	40	C
172.16	• 8364	40424	FF	-	25	40	C
125.28	• 8365	77480	FF	-	25	36	A
125.28	• 8365N	70300	FF	-	25	36	A
136.06	• 8367	77485	FF	-	25	42	C
153.03	• 8368	40426	FF	-	25	38	C
139.09	• 8371	77495	FF	-	25	33	A

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EGS O-Z/GEDNEY

Steel Boxes and Covers

Distributor Cost Per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
139.09	• 8371N	70302	FF	-	25	33	A
139.07	• 8373	62063	FF	-	25	34	C
139.07	• 8373N	70301	FF	-	25	34	C
173.83	• 8374	62064	FF	-	25	36	A
138.72	• 8375	77500	FF	-	25	38	B
138.72	• 8375N	70303	FF	-	25	38	B
164.52	• 8377	77505	FF	-	25	33	C
195.88	• 8378	40427	FF	-	25	35	C
164.52	• 8379	77510	FF	-	25	38	C
45.72	• 8403	77525	FF	-	50	26	A
93.85	• 8409	77530	FF	-	50	20	C
87.00	• 8409A	77535	FF	-	50	18	C
203.96	• 8409B	62771	FF	-	25	40	C
183.34	• 8409C	62772	FF	-	25	25	C
46.24	• 8413	77555	FF	-	50	26	A
102.74	• 8419LR	77565	FF	-	50	21	C
116.89	• 8420LR	77570	FF	-	50	19	C
229.62	• 846-100	76835	FF	-	25	40	C
235.60	• 846-125	76840	FF	-	25	46	C
214.81	• 846-150	76845	FF	-	25	52	B
221.53	• 846-200	76850	FF	-	25	61	B
194.35	• 846-50	76825	FF	-	25	29	B
201.93	• 846-75	76830	FF	-	25	35	B
88.43	• 8461	77620	FF	-	50	26	B
84.10	• 8461A	77625	FF	-	50	24	A
122.21	• 8461B	77630	FF	-	25	28	C
319.42	• 8461C	77635	FF	-	50	34	C
319.42	• 8461D	77640	FF	-	25	37	C
55.85	• 8465	77645	FF	-	50	32	A
165.24	• 8465P	17549	FF	-	50	34	B
127.02	• 8466	77650	FF	-	25	40	B
119.23	• 8466A	77655	FF	-	25	36	B
97.30	• 8468	77660	FF	-	25	32	A
84.65	• 8468A	77665	FF	-	25	28	A
75.14	• 8468B	77670	FF	-	25	23	B
87.69	• 8468C	77675	FF	-	50	28	A
87.77	• 8468F	77680	FF	-	50	21	C
79.54	• 8468WB	77685	FF	-	50	22	C
169.71	• 8469A	77695	FF	-	25	30	C
203.96	• 8469B	62773	FF	-	25	40	C
267.39	• 847-100	76865	FF	-	25	38	C
266.63	• 847-125	76870	FF	-	25	41	C
272.18	• 847-150	76875	FF	-	25	48	C
288.65	• 847-200	76880	FF	-	25	60	C
247.18	• 847-50	76855	FF	-	25	24	C
252.80	• 847-75	76860	FF	-	25	29	C
121.76	• 8470	77700	FF	-	50	22	C
106.00	• 8470A	77705	FF	-	50	20	A
119.35	• 8470B	77710	FF	-	50	13	C
113.30	• 8470C	77715	FF	-	50	22	B
115.37	• 8470F	77720	FF	-	50	13	C
126.94	• 8470WB	77725	FF	-	50	17	C
58.66	• 8474	77730	FF	-	50	33	A
410.63	• 8484	60492	FF	-	10	50	C
445.06	• 8484A	60493	FF	-	10	54	C
445.06	• 8484B	60494	FF	-	10	54	C
410.63	• 8484BN	70304	FF	-	10	54	C
189.01	• 8485	77740	FF	-	25	40	C
189.01	• 8485A	77745	FF	-	25	38	C
292.38	• 8485B	62774	FF	-	25	32	C
193.54	• 8485C	62061	FF	-	25	42	C
215.73	• 8485D	62776	FF	-	10	50	C
234.37	• 8485E	62777	FF	-	10	50	C
278.78	• 8486	52304	FF	-	25	36	C
232.87	• 8486A	77755	FF	-	25	28	C
295.27	• 8486B	52306	FF	-	25	24	C
261.88	• 8486C	52307	FF	-	25	32	C
333.09	• 8486D	62778	FF	-	10	40	C
371.14	• 8486E	62779	FF	-	10	40	C
256.50	• 8486F	62781	FF	-	25	20	C
95.51	• 8487	77760	FF	-	50	42	A
130.34	• 8487K	77765	FF	-	50	43	C
312.20	• 8487P	17551	FF	-	50	48	B
250.34	• 8488A	52303	FF	-	25	36	C
230.72	• 8488B	62782	FF	-	25	40	C
300.63	• 8488C	62783	FF	-	25	40	C
507.42	• 8488D	62784	FF	-	25	48	C
531.43	• 8488E	62786	FF	-	25	48	C
369.55	• 8489	28949	FF	-	10	54	C
373.30	• 8490	28951	FF	-	10	55	C
369.55	• 8491	28952	FF	-	10	49	C
369.55	• 8491N	70339	FF	-	10	50	C
373.30	• 8492	28953	FF	-	10	45	C
373.30	• 8492N	70305	FF	-	10	45	C
373.30	• 8493	28954	FF	-	10	50	C
373.30	• 8493N	70306	FF	-	10	50	C
369.55	• 8494	28956	FF	-	10	54	C
369.55	• 8495	28957	FF	-	10	55	C
376.92	• 8496	28958	FF	-	10	54	C
376.92	• 8497	28959	FF	-	10	55	C
376.92	• 8498	28961	FF	-	10	47	C
376.92	• 8499	28962	FF	-	10	54	C
456.90	• 856-100	62787	FF	-	10	30	C
479.17	• 856-125	62788	FF	-	10	30	C
479.17	• 856-150	62789	FF	-	10	40	C
479.17	• 856-200	62791	FF	-	10	40	C
494.04	• 857-100	62792	FF	-	10	30	C
516.16	• 857-150	62793	FF	-	10	40	C
54.05	• 892	76885	FF	100	500	2	C
20.74	• 896	76890	FF	100	1000	3	A
145.81	• 94	75725	FF	-	50	40	B
182.12	• 95	75760	FF	-	50	44	A

EGS O-Z/GEDNEY

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Weatherproof Electrical Products

Distributor Cost per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
434.84	• WAD	03049	FG	-	18	56	B
182.28	• WC1150	03040	FG	-	20	30	B
655.48	• WC11L	03056	FG	-	8	81	B
231.28	• WC1250	03010	FG	-	20	30	A
1086.68	• WC12L	03057	FG	-	8	125	B
259.70	• WC1350	03011	FG	-	20	30	A
86.94	• WCB1	03009	FG	-	42	10	A
105.14	• WCB14	03089	FG	-	42	12	C
173.88	• WCB24	03045	FG	-	24	13	B
80.08	• WCBR	03020	FG	-	50	20	A
1590.40	• WCDIU1	03059	FG	-	4	49	B
1548.40	• WCE1	03108	FG	-	10	30	C
1416.80	• WCIU1	03058	FG	-	6	46	B
1332.80	• WCIU2	03060	FG	-	6	56	B
182.28	• WCR150	03021	FG	-	24	42	A
655.48	• WCR1L	03054	FG	-	8	94	B
231.28	• WCR250	03022	FG	-	24	42	A
1086.68	• WCR2L	03055	FG	-	8	131	B
259.70	• WCR350	03023	FG	-	24	42	A
120.68	• WCRB3W	03052	FG	-	50	16	B
120.68	• WCRB4W	03053	FG	-	50	16	B
1356.10	• WCRD2LW	03026	FG	-	8	175	A
293.58	• WCT1	03098	FG	-	20	25	C
500.64	• WCT113	03018	FG	-	18	56	A
382.90	• WCT115	03017	FG	-	18	56	A
1501.92	• WDK210	03083	FG	-	6	117	C
1355.20	• WDK250	03081	FG	-	6	117	C
1441.72	• WDK275	03082	FG	-	6	117	C
981.12	• WDM110	03062	FG	-	12	83	C
721.42	• WDM150	03029	FG	-	12	83	B
752.92	• WDM175	03030	FG	-	12	83	B
1438.52	• WDP210	03074	FG	-	6	117	C
1204.56	• WDP250	03072	FG	-	6	117	C
1317.54	• WDP275	03073	FG	-	6	117	C
1366.26	• WDX110	03068	FG	-	12	83	C
917.14	• WDX150	03066	FG	-	12	83	C
1027.60	• WDX175	03067	FG	-	12	83	C
332.08	• WE1	03036	FG	-	24	29	B
683.48	• WE2	03038	FG	-	12	33	B
551.46	• WEFX50	03037	FG	-	12	58	B
653.38	• WEFX75	03087	FG	-	12	67	C
609.98	• WERX50	03039	FG	-	18	56	B
672.14	• WERX75	03088	FG	-	18	56	C
1818.60	• WFA1050G	03119	FG	1	6	267	B
1978.20	• WFA1075G	03120	FG	1	6	267	C
2257.50	• WFA2050G	03121	FG	-	1	410	C
2416.96	• WFA2075G	03122	FG	-	1	410	C
2469.18	• WFC1050G	03123	FG	1	6	267	A
2522.24	• WFC1075G	03124	FG	1	6	267	C
2879.52	• WFC2050G	03125	FG	-	1	420	A
3039.12	• WFC2075G	03126	FG	-	1	420	C
490.42	• WFG1	03133	FG	-	5	80	C
632.38	• WFG2	03134	FG	-	1	100	C
364.42	• WFGL1	03131	FG	-	1	150	B
523.88	• WFGL2	03132	FG	-	1	200	C
2712.08	• WFW1050G	03127	FG	-	1	380	C
2871.54	• WFW1075G	03128	FG	-	1	380	C
3334.24	• WFW2050G	03129	FG	-	1	510	C
3493.84	• WFW2075G	03130	FG	-	1	510	C
579.60	• WGD	03110	FG	-	5	50	C
51.80	• WGSK1	03141	FG	-	50	2	C
75.88	• WGSK2	03144	FG	-	50	4	C
48.44	• WGSKD1	03143	FG	-	50	2	C
137.20	• WGSKEL	03140	FG	-	50	6	C
51.24	• WGSKIL	03139	FG	-	600	1	C
53.20	• WGSKR	03142	FG	-	50	2	C
263.34	• WHD1	03014	FG	-	24	42	A
639.94	• WHD1RV	03095	FG	-	24	33	C
294.06	• WHD1WR	03092	FG	-	18	67	C
250.32	• WHD01	03015	FG	-	24	38	A
598.22	• WHG1	03012	FG	-	24	50	A
325.78	• WHS1	03091	FG	-	24	33	C
639.94	• WHS1RV	03094	FG	-	24	33	C
811.02	• WL64	03105	FG	-	6	100	C
1047.62	• WL68	03106	FG	-	6	117	C
295.26	• WLI	03025	FG	-	27	52	A
281.54	• WLU1	03024	FG	-	50	50	A
27.02	• WLUGS	03137	FG	-	100	1	C
1257.48	• WPHOTO	03107	FG	-	24	13	C
1936.46	• WPHOTO50	03109	FG	-	24	21	C
126.00	• WPLG104	03135	FG	-	50	18	C
112.00	• WPLG504	03027	FG	-	75	8	A
126.00	• WPLG754	03028	FG	-	50	12	A
519.48	• WRX50	03008	FG	-	16	75	A
583.08	• WRX50CG	03085	FG	-	16	75	C
579.04	• WRX75	03084	FG	-	16	75	C
642.60	• WRX75CG	03086	FG	-	16	75	C
8.54	• WSCR832	03136	FG	-	100	1	C
1099.28	• WSK250	03079	FG	-	12	108	C
1129.56	• WSK275	03080	FG	-	12	108	C
429.94	• WSL150	03002	FG	-	20	61	A
512.12	• WSL175	03031	FG	-	20	61	B
761.20	• WSL250	03035	FG	-	12	108	B
876.40	• WSL275	03005	FG	-	12	108	A
429.94	• WSM110	03061	FG	-	20	56	C
354.34	• WSM150	03000	FG	-	20	58	A
392.64	• WSM175	03001	FG	-	20	57	A
1012.46	• WSM210	03034	FG	-	12	108	B
704.34	• WSM250	03003	FG	-	12	108	A
766.22	• WSM275	03004	FG	-	12	108	A
111.16	• WSOCKET	03138	FG	-	25	12	C
585.02	• WSP150	03032	FG	-	20	60	B
629.02	• WSP175	03033	FG	-	20	57	B
658.06	• WSP250	03006	FG	-	12	108	A
992.74	• WSP275	03007	FG	-	12	108	A
1020.32	• WSR250	03075	FG	-	12	108	C
1118.08	• WSR275	03076	FG	-	12	108	C
1067.58	• WST250	03077	FG	-	12	108	C
1089.24	• WST275	03078	FG	-	12	108	C
709.42	• WSWITCH	03104	FG	-	24	10	C
912.94	• WSX110	03065	FG	-	20	60	C
585.12	• WSX150	03063	FG	-	20	60	C
725.76	• WSX175	03064	FG	-	20	60	C
1231.02	• WSX210	03071	FG	-	12	108	C
920.22	• WSX250	03069	FG	-	12	108	C
1067.58	• WSX275	03070	FG	-	12	108	C
318.92	• WVD1	03041	FG	-	24	33	B
639.94	• WVD1RV	03093	FG	-	24	33	C
706.58	• WVDD2	03048	FG	-	18	56	B
764.98	• WVDDL2	03117	FG	-	18	56	C
1132.46	• WVDG2	03047	FG	-	18	50	B
420.96	• WVDL1	03112	FG	-	24	33	C
598.22	• WVG1	03013	FG	-	24	50	A
1227.24	• WVGG2	03019	FG	-	18	50	A
664.44	• WVGL1	03111	FG	-	24	50	C
552.90	• WVP141	03044	FG	-	24	63	B

•When ordering, order standard carton quantitites only. Orders for less than standard carton quantities will be rounded up to a full carton quantity and billed accordingly.

Weatherproof Electrical Products

Distributor Cost per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
552.30	• WVP161	03097	FG	-	24	63	C
552.30	• WVP171	03043	FG	-	24	63	B
1324.12	• WVP17L2	03116	FG	-	24	38	C
552.30	• WVP211	03016	FG	-	24	63	A
701.82	• WVP21L1	03096	FG	-	24	75	C
1324.12	• WVP21L2	03114	FG	-	24	38	C
1324.12	• WVP26L2	03115	FG	-	24	38	C
258.60	• WVS1	03042	FG	-	24	33	B
924.28	• WVSD2	03051	FG	-	18	61	B
1029.56	• WVSG2	03046	FG	-	18	50	B

Distributor Cost per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
341.88	• WVSL1	03113	FG	-	24	33	C
226.10	• WVSO1	03090	FG	-	24	33	C
636.16	• WVSS2	03050	FG	-	18	56	B
751.10	• WVSSL2	03118	FG	-	18	56	C
1004.06	• WVTG2	03099	FG	-	18	50	C
589.40	• WVTT2	03100	FG	-	24	46	C
915.46	• WVTT213	03102	FG	-	18	89	C
780.36	• WVTT215	03101	FG	-	18	89	C
1153.32	• WVTT220	03103	FG	-	18	89	C

EGS O-Z/GEDNEY

•When ordering, order standard carton quantitites only. Orders for less than standard carton quantities will be rounded up to a full carton quantity and billed accordingly.

Cable Ties and Terminals

Distributor Cost per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
12863.00	• KM-2001	01155	PA	-	1	1	A
2352.00	• KM-2002	01156	PA	-	1	-	A
29.74	• KMN10-10F	01109	PA	-	100	5	A
12.61	• KMN10-10FB	01110	PA	-	1000	5	A
29.74	• KMN10-10R	01033	PA	-	100	5	A
12.25	• KMN10-10RB	01034	PA	-	1000	5	A
65.00	• KMN10-12R	01041	PA	-	100	7	A
36.41	• KMN10-12RB	01042	PA	-	1000	7	A
31.01	• KMN10-14F	01111	PA	-	100	6	A
12.93	• KMN10-14FB	01112	PA	-	1000	6	A
32.37	• KMN10-14R	01035	PA	-	100	7	A
12.72	• KMN10-14RB	01036	PA	-	1000	7	A
31.01	• KMN10-38R	01039	PA	-	100	7	A
11.55	• KMN10-38RB	01040	PA	-	1000	7	A
31.01	• KMN10-516F	01113	PA	-	100	7	A
12.93	• KMN10-516FB	01114	PA	-	1000	7	A
31.01	• KMN10-516R	01037	PA	-	100	7	A
13.56	• KMN10-516RB	01038	PA	-	1000	7	A
28.55	• KMN10-6F	01105	PA	-	100	5	A
12.61	• KMN10-6FB	01106	PA	-	1000	5	A
29.58	• KMN10-6R	01029	PA	-	100	6	A
12.61	• KMN10-6RB	01030	PA	-	1000	6	A
29.74	• KMN10-8F	01107	PA	-	100	5	A
12.61	• KMN10-8FB	01108	PA	-	1000	5	A
29.74	• KMN10-8R	01031	PA	-	100	5	A
12.61	• KMN10-8RB	01032	PA	-	1000	5	A
24.73	• KMN14-10F	01101	PA	-	100	2	A
10.23	• KMN14-10FB	01102	PA	-	1000	2	A
24.73	• KMN14-10R	01021	PA	-	100	2	A
9.93	• KMN14-10RB	01022	PA	-	1000	2	A
27.14	• KMN14-14F	01103	PA	-	100	3	A
12.15	• KMN14-14FB	01104	PA	-	1000	3	A
24.67	• KMN14-14R	01023	PA	-	100	2	A
10.62	• KMN14-14RB	01024	PA	-	1000	2	A
26.90	• KMN14-38R	01027	PA	-	100	3	A
14.88	• KMN14-38RB	01028	PA	-	1000	3	A
24.73	• KMN14-4F	01095	PA	-	100	2	A
10.23	• KMN14-4FB	01096	PA	-	1000	2	A
24.67	• KMN14-4R	01015	PA	-	100	2	A
10.62	• KMN14-4RB	01016	PA	-	1000	2	A
26.90	• KMN14-516R	01025	PA	-	100	3	A
14.88	• KMN14-516RB	01026	PA	-	1000	3	A
24.73	• KMN14-6F	01097	PA	-	100	2	A
10.23	• KMN14-6FB	01098	PA	-	1000	2	A
24.73	• KMN14-6R	01017	PA	-	100	2	A
10.23	• KMN14-6RB	01018	PA	-	1000	2	A
24.73	• KMN14-8F	01099	PA	-	100	2	A
10.23	• KMN14-8FB	01100	PA	-	1000	2	A
24.73	• KMN14-8R	01019	PA	-	100	2	A
10.23	• KMN14-8RB	01020	PA	-	1000	2	A
24.73	• KMN18-10F	01091	PA	-	100	2	A
10.73	• KMN18-10FB	01092	PA	-	1000	2	A
24.73	• KMN18-10R	01007	PA	-	100	2	A
10.23	• KMN18-10RB	01008	PA	-	1000	2	A
25.22	• KMN18-14F	01093	PA	-	100	5	A
12.15	• KMN18-14FB	01094	PA	-	1000	5	A
27.14	• KMN18-14R	01009	PA	-	100	3	A
11.89	• KMN18-14RB	01010	PA	-	1000	3	A
26.46	• KMN18-38R	01013	PA	-	100	5	A
12.15	• KMN18-38RB	01014	PA	-	1000	5	A
24.73	• KMN18-4F	01085	PA	-	100	2	A
10.23	• KMN18-4FB	01086	PA	-	1000	2	A
24.67	• KMN18-4R	01001	PA	-	100	2	A
10.23	• KMN18-4RB	01002	PA	-	1000	2	A
26.46	• KMN18-516R	01011	PA	-	100	3	A
12.15	• KMN18-516RB	01012	PA	-	1000	3	A
24.73	• KMN18-6F	01087	PA	-	100	2	A
10.23	• KMN18-6FB	01088	PA	-	1000	2	A
23.73	• KMN18-6R	01003	PA	-	100	1	A
10.23	• KMN18-6RB	01004	PA	-	1000	1	A
24.73	• KMN18-8F	01089	PA	-	100	2	A
10.23	• KMN18-8FB	01090	PA	-	1000	2	A
23.73	• KMN18-8R	01005	PA	-	100	2	A
10.62	• KMN18-8RB	01006	PA	-	1000	2	A
21.84	• KMV10-10F	01139	PA	-	100	5	A
9.42	• KMV10-10FB	01140	PA	-	1000	5	A
21.84	• KMV10-10R	01075	PA	-	100	5	A
8.84	• KMV10-10RB	01076	PA	-	1000	5	A
26.49	• KMV10-12R	01083	PA	-	100	5	A
10.38	• KMV10-12RB	01084	PA	-	1000	5	A
25.15	• KMV10-14F	01141	PA	-	100	6	A
10.38	• KMV10-14FB	01142	PA	-	1000	6	A
26.49	• KMV10-14R	01077	PA	-	100	6	A
9.99	• KMV10-14RB	01078	PA	-	1000	6	A
29.09	• KMV10-250DF	01151	PA	-	100	5	A
26.13	• KMV10-250DM	01154	PA	-	100	4	A
25.43	• KMV10-38R	01081	PA	-	100	5	A
10.38	• KMV10-38RB	01082	PA	-	1000	5	A
25.15	• KMV10-516F	01143	PA	-	100	6	A
10.38	• KMV10-516FB	01144	PA	-	1000	6	A
25.43	• KMV10-516R	01079	PA	-	100	6	A
10.38	• KMV10-516RB	01080	PA	-	1000	6	A
28.93	• KMV10-6F	01135	PA	-	100	5	A
8.84	• KMV10-6FB	01136	PA	-	1000	5	A
21.78	• KMV10-6R	01071	PA	-	100	5	A
8.98	• KMV10-6RB	01072	PA	-	1000	5	A
21.98	• KMV10-8F	01137	PA	-	100	5	A
8.98	• KMV10-8FB	01138	PA	-	1000	5	A
21.80	• KMV10-8R	01073	PA	-	100	5	A
8.98	• KMV10-8RB	01074	PA	-	1000	5	A
32.73	• KMV-10BS	01159	PA	-	100	7.5	C
16.88	• KMV14-10F	01131	PA	-	100	2	A
6.79	• KMV14-10FB	01132	PA	-	1000	2	A
16.88	• KMV14-10R	01063	PA	-	100	2	A
5.98	• KMV14-10RB	01064	PA	-	1000	2	A
28.43	• KMV14-14F	01133	PA	-	100	3	A
6.78	• KMV14-14FB	01134	PA	-	1000	3	A
20.61	• KMV14-14R	01065	PA	-	100	3	A
6.84	• KMV14-14RB	01066	PA	-	1000	3	A
23.35	• KMV14-187DF	01146	PA	-	100	3	A
23.28	• KMV14-187DM	01148	PA	-	100	3	A
23.95	• KMV14-250DF	01150	PA	-	100	3	A
23.28	• KMV14-250DM	01153	PA	-	100	2	A
21.78	• KMV14-38R	01069	PA	-	100	3	A
9.79	• KMV14-38RB	01070	PA	-	1000	3	A
16.88	• KMV14-4F	01125	PA	-	100	2	A
6.78	• KMV14-4FB	01126	PA	-	1000	2	A
16.41	• KMV14-4R	01057	PA	-	100	2	A
5.95	• KMV14-4RB	01058	PA	-	1000	2	A
21.78	• KMV14-516R	01067	PA	-	100	3	A
9.19	• KMV14-516RB	01068	PA	-	1000	3	A
16.88	• KMV14-6F	01127	PA	-	100	2	A
6.79	• KMV14-6FB	01128	PA	-	1000	2	A
16.88	• KMV14-6R	01059	PA	-	100	2	A
6.79	• KMV14-6RB	01060	PA	-	1000	2	A
16.88	• KMV14-8F	01129	PA	-	100	2	A

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EGS O-Z/GEDNEY

Cable Ties and Terminals

Distributor Cost per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
6.50	• KMV14-8FB	01130	PA	-	1000	2	A
16.88	• KMV14-8R	01061	PA	-	100	2	A
6.70	• KMV14-8RB	01062	PA	-	1000	2	A
22.35	• KMV-14BS	01158	PA	-	100	3.8	C
16.88	• KMV18-10F	01121	PA	-	100	2	A
6.70	• KMV18-10FB	01122	PA	-	1000	2	A
16.88	• KMV18-10R	01049	PA	-	100	2	A
6.70	• KMV18-10RB	01050	PA	-	1000	2	A
16.88	• KMV18-14F	01123	PA	-	100	2	A
6.70	• KMV18-14FB	01124	PA	-	1000	2	A
20.91	• KMV18-14R	01051	PA	-	100	2	A
11.40	• KMV18-14RB	01052	PA	-	1000	2	A
23.35	• KMV18-187DF	01145	PA	-	100	3	A
22.54	• KMV18-187DM	01147	PA	-	100	3	A
23.35	• KMV18-250DF	01149	PA	-	100	3	A
22.54	• KMV18-250DM	01152	PA	-	100	2	A
28.35	• KMV18-38R	01055	PA	-	100	2	A
9.98	• KMV18-38RB	01056	PA	-	1000	2	A
16.88	• KMV18-4F	01115	PA	-	100	2	A
6.70	• KMV18-4FB	01116	PA	-	1000	2	A
16.41	• KMV18-4R	01043	PA	-	100	2	A
6.95	• KMV18-4RB	01044	PA	-	1000	2	A
20.35	• KMV18-516R	01053	PA	-	100	4	A
14.44	• KMV18-516RB	01054	PA	-	1000	4	A
16.88	• KMV18-6F	01117	PA	-	100	2	A
6.70	• KMV18-6FB	01118	PA	-	1000	2	A
16.20	• KMV18-6R	01045	PA	-	100	2	A
6.70	• KMV18-6RB	01046	PA	-	1000	2	A
16.88	• KMV18-8F	01119	PA	-	100	2	A
7.58	• KMV18-8FB	01120	PA	-	1000	2	A
16.20	• KMV18-8R	01047	PA	-	100	2	A
6.70	• KMV18-8RB	01048	PA	-	1000	2	A
22.35	• KMV-18BS	01157	PA	-	100	3.1	C
9283.00	• TM-1	00037	PA	-	1	-	A
41.17	• TM-1103MB	00035	PA	-	100	-	A
10.13	• TM11-40UV	00021	PA	-	100	3	A

Distributor Cost per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
9.43	• TM11-40UVB	00022	PA	-	1000	3	A
12.79	• TM11-40W	00007	PA	-	100	3	A
6.74	• TM11-40WB	00008	PA	-	1000	3	A
29.82	• TM13-120UV	00023	PA	-	50	11	A
23.55	• TM13-120UVB	00024	PA	-	500	11	A
27.43	• TM13-120W	00009	PA	-	50	11	A
20.52	• TM13-120WB	00010	PA	-	500	11	A
20.16	• TM14-50UV	00025	PA	-	100	6	A
11.17	• TM14-50UVB	00026	PA	-	1000	6	A
18.82	• TM14-50W	00011	PA	-	100	6	A
9.88	• TM14-50WB	00012	PA	-	1000	6	A
1309.00	• TM-2	00038	PA	-	1	-	A
86.22	• TM30-175UV	00027	PA	-	50	27	A
53.46	• TM30-175UVB	00028	PA	-	100	27	A
56.43	• TM30-175W	00013	PA	-	50	27	A
43.03	• TM30-175WB	00014	PA	-	100	27	A
11.10	• TM4-18MT	00029	PA	-	100	-	A
18.02	• TM4-18MTUV	00032	PA	-	100	-	A
7.23	• TM4-18UV	00015	PA	-	100	-	A
2.60	• TM4-18UVB	00016	PA	-	1000	-	A
5.61	• TM4-18W	00001	PA	-	100	-	A
1.01	• TM4-18WB	00002	PA	-	1000	-	A
11.28	• TM6-40MT	00030	PA	-	100	-	A
13.55	• TM6-40MTUV	00033	PA	-	100	-	A
7.00	• TM6-40UV	00017	PA	-	100	1	A
3.36	• TM6-40UVB	00018	PA	-	1000	1	A
5.48	• TM6-40W	00003	PA	-	100	1	A
2.50	• TM6-40WB	00004	PA	-	1000	1	A
30.57	• TM-748MB	00036	PA	-	100	-	A
8.11	• TM7-50UV	00019	PA	-	100	3	A
3.70	• TM7-50UVB	00020	PA	-	1000	3	A
8.18	• TM7-50W	00005	PA	-	100	3	A
3.98	• TM7-50WB	00006	PA	-	1000	3	A
12.58	• TM8-50MT	00031	PA	-	100	-	A
15.75	• TM8-50MTUV	00034	PA	-	100	-	A

EGS O-Z/GEDNEY

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OPTIONAL FEATURES

Cable and Conduit Fittings

Cast Junction Boxes

Nelson Hazardous Location Enclosures and Controls

Industrial Lighting

EGS O-Z/GEDNEY

Lay-In-Lug Grounding Wire Connectors

NOTE: To be sold mounted on O-Z/Gedney fittings only.

TO ORDER: Add the suffix numbers as shown in the table below to the catalog number of the fitting. (EXAMPLE: R-1501 Cable Support becomes R-1501-G04-2).

Distributor Cost/EACH**					Suggested Resale Price EACH**			
		Grounding Wire† Size			With Plated Steel Screws		With Stainless Steel Screws	
With Plated Screws	With Stainless Steel Screws	Min.	Max.	Fitting* Size	Suffix Number		Suffix Number	
$9.55	$10.07	14 CU only	4	1/2" to 6"	-G04	$11.48	-G04-S	$12.07
11.25	12.66	8 AL-CU	2/0	1/2" to 6"	-G22	13.49	-G22-S	15.18
15.67	18.68	6 AL-CU	4/0	2 1/2" to 6"	-G24	18.81	-G24-S	22.43

†Solid or stranded for No. 4 Awg or smaller; stranded for No. 2 or larger.
*Indicates Conduit Sizes of fitting to which Grounding Wire Connector can be mounted.
**Includes Connector with screws, drilling and tapping and mounting on O-Z/Gedney Fitting.

Flexible Braid Connectors

For Length Over 12 inches

Distributor Cost/EACH		Suggested Resale/EA.
Add'l Inch of Braid Over 12" (Add to Price of Each Connector)	Catalog Number	Add'l Inch of Braid Over 12" (Add to Price of Each Connector)
$ .79	FB-50-03-1	$ .92
1.00	FB-100-05-1	1.20
1.15	FB-150-05-2	1.35
1.32	FB-200-07-1	1.59
2.05	FB-250-08-1	2.43
2.68	FB-300-10-1	3.21
2.68	FB-300-15-1	3.21
3.29	FB-300-20-1	3.95
4.01	FB-400-10-2	4.79
4.01	FB-400-15-2	4.79
4.01	FB-400-20-1	4.79
5.41	FB-500-15-1	6.50
5.41	FB-500-20-1	6.50

Distributor Cost/EACH		Suggested Resale/EA.
Add'l Inch of Braid Over 12" (Add to Price of Each Connector)	Catalog Number	Add'l Inch of Braid Over 12" (Add to Price of Each Connector)
$ 6.76	FB-600-15-1	$ 8.10
6.75	FB-600-20-1	8.10
7.96	FB-700-20-2	9.53
10.61	FB-800-20-2	12.75
12.93	FB-900-20-2	15.53
14.13	FB-1000-20-3	16.95
15.48	FB-1100-20-4	18.55
17.85	FB-1200-20-4	21.42
18.85	FB-1300-20-4	22.61
18.83	FB-1400-20-4	22.61
22.06	FB-1500-20-3	26.45

EGS O-Z/GEDNEY

Cast Iron Boxes, Cast Aluminum Boxes Tables of Additional Charges

Table A Applies to Types YS, YL, YW, YW-T, YG, YT, YC, YU, YR, YS-A, YL-A, YW-A, YG-A, YF, YF-A

Conduit Size	Dist. Cost EACH	Drilling Only Slip Hole Catalog Number	Sugg. Resale Price EACH	Dist. Cost EACH	Drilling & Tapping No. Boss Catalog Number	Sugg. Resale Price EACH	Dist. Cost EACH	Boss Only 5 Thds. w/o Hole Catalog Number	Sugg. Resale Price EACH	Dist. Cost EACH	Boss for 5 thrds. and Tapping Catalog Number	Sugg. Resale Price EACH
3/8"	$3.67	SH-38	$4.48	$6.64	DT-38	$8.10	$8.97	BWH-38	$10.96	$14.96	BDT-38	$18.26
1/2"	4.20	SH-50	5.13	7.47	DT-50	9.11	9.13	BWH-50	11.16	15.77	BDT-50	19.23
3/4"	4.53	SH-75	5.52	7.81	DT-75	9.54	11.00	BWH-75	13.42	18.00	BDT-75	21.96
1"	5.27	SH-100	6.44	8.80	DT-100	10.74	11.00	BWH-100	13.42	18.81	BDT-100	22.96
1 1/4"	6.30	SH-125	7.69	11.00	DT-125	13.42	11.76	BWH-125	14.35	21.58	BDT-125	26.34
1 1/2"	7.62	SH-150	9.54	13.90	DT-150	16.96	11.76	BWH-150	14.35	24.22	BDT-150	29.55
2"	9.13	SH-200	11.16	17.72	DT-200	21.62	14.45	BWH-200	17.65	30.04	BDT-200	36.65
2 1/2"	12.73	SH-250	15.54	26.36	DT-250	32.17	19.43	BWH-250	23.70	43.05	BDT-250	52.52
3"	15.63	SH-300	19.08	31.18	DT-300	38.05	31.18	BWH-300	38.05	62.22	BDT-300	75.90
3 1/2"	23.52	SH-350	28.70	43.62	DT-350	53.46	31.18	BWH-350	38.05	69.89	BDT-350	85.27
4"	34.16	SH-400	38.05	61.52	DT-400	75.06	42.77	BWH-400	52.17	97.32	BDT-400	118.72
4 1/2"	46.72	SH-450	57.01	88.80	DT-450	108.34	58.47	BWH-450	71.35	131.07	BDT-450	159.91
5"	54.68	SH-500	66.70	105.48	DT-500	128.31	93.44	BWH-500	113.99	187.12	BDT-500	228.29
6"	65.54	SH-600	79.96	175.08	DT-600	213.63	116.75	BWH-600	142.45	272.69	BDT-600	332.68

Hinges

Dist. Cost EACH	Type	Box Size	Catalog Number	Number of Hinges Per Set	Sugg. Resale Price EACH
$135.80	Stainless Steel	Up to 12" x 12"	HNG-22SS	2	$165.68
186.87	Butt Type	Up to 18" x 18"	HNG-23SS	2	227.98
269.93	For YU Boxes	Larger than 18" x 18"	HNG-33SS	3	329.41
298.99	Hot Dip Galvanized	Up to 24" x 12"	HNG-22G	2	367.77
325.30	Cast Malleable Iron	Up to 24" x 24"	HNG-23G	2	400.13
488.64	For YE Boxes	Larger than 24" x 24"	HNG-33G	3	601.03
298.99	Cast Aluminum	Up to 24" x 12"	HNG-22A	2	358.96
325.30	For YE-A	Up to 24" x 24"	HNG-23A	2	390.37
488.64		Larger than 24" x 24"	HNG-33A	3	586.37

Mounting Lugs with Bolt Holes

Dist. Cost EACH	Max. Box Size	No. of Lugs	Catalog Number	Sugg. Resale Price EACH
$10.86	Sizes up to 6"L x 4"W	2	2ML0604	$13.26
19.31		4	4ML0604	23.57
23.52	Sizes 6"L x 6"W	2	2ML1204	28.70
35.99	Up to 12"L x 4"W	4	4ML1204	43.91
39.45	Sizes 12"L x 6"W	2	2ML1816	48.15
58.14	Up to 18"L x 16"W	4	4ML1816	70.93
94.12	Sizes 18"L x 18"W and larger	4	4ML3636	114.83

Interior Mounting Buttons

Standard Tapped Blind for 1/4"—20 Thread

Dist. Cost EACH	Quantity Per Box	Catalog Number	Sugg. Resale Price EACH
$22.48	1	1MBT	$27.44
29.41	2	2MBT	35.89
53.35	3	3MBT	65.08
58.48	4	4MBT	71.35

Combination Drain & Breather Fittings

D&T and installation included

Dist. Cost EACH	Size	Catalog Number	Sugg. Resale Price EACH
$63.41	3/8"	MDB38	$77.37
63.41	1/2"	MDB50	77.37

Hasps

Hot Dip Galvanized Steel Lock not Included

Dist. Cost EACH	Box Size	Catalog Number	Sugg. Resale Price EACH
$71.01	Up to 12" x 12"	HSP13SG	$86.65
90.12	Larger than 12" x 12"	HSP15SG	109.95

Thruwall and Floor Seals Additional Charges or Deductions

Distributor Cost EACH

PVC Oversize Sleeve	Steel* Oversize Sleeve		Without Oversize Sleeve	Catalog Numbers (Complete Fittings)	
Longer than Standard–Add per inch PER FITTING	In Standard Lengths–Add PER FITTING	Longer than Standard–Add per inch PER FITTING	Deduct from List Price of EACH FITTING	Types FSK & FSCS	Types WSK & WSCS
$ 1.00	$ 9.48	$ 1.34	$ 4.33	FSK 10-68 thru FSK 10-138 FSCS 2025	WSK 10-68 thru WSK 10-138 WSCS 2025
$ 1.57	$16.91	$ 2.56	$ 11.09	FSK 20-166 thru FSK 20-250 FSCS 3035	WSK 20-166 thru WSK 20-250 WSCS 3035
$ 2.56	$25.88	$ 3.85	$ 16.91	FSK 30-263 thru FSK 30-350 FSCS 4045	WSK 30-263 thru WSK 30-350 WSCS 4845
$ 4.33	$42.67	$ 7.26	$ 25.74	FSK 40-366 thru FSK 40-450 FSCS 5055	WSK 40-366 thru WSK 40-450 WSCS 5055
Not Available	None	$10.74	$ 60.58	FSK 60-480 thru FSK 60-563 FSCS 7080	WSK 60-480 thru WSK 60-663 WSCS 7080
$16.91	Not Available		$136.48	FSK 100-713 thru FSK 100-1075	WSK 100-713 thru WSK 100-1075
$27.95	Not Available		$260.19	FSK 140-1113 thru FSK 140-1413	WSK 140-1113 thru WSK 140-1413
$41.38	Not Available		$328.87	FSK 180-1600 thru FSK 180-1800	WSK 180-1600 thru WSK 180-1800
Consult Factory	Not Available		Consult Factory	FSK 220-1950 thru FSK 220-2213	WSK 220-1950 thru WSK 220-2213

Suggested Resale Price EACH

PVC Oversize Sleeve	Steel* Oversize Sleeve		Without Oversize Sleeve
Longer than Standard–Add per inch PER FITTING	In Standard Lengths–Add PER FITTING	Longer than Standard–Add per inch PER FITTING	Deduct from List Price of EACH FITTING
$1.20	$11.33	$1.61	$5.20
1.88	20.28	3.06	13.33
3.06	31.06	4.60	20.28
5.20	51.20	7.69	30.89
Not Available	None	12.89	71.50
20.28	Not Available		163.79
33.26	Not Available		312.24
49.66	Not Available		395.83
Consult Factory	Not Available		Consult Factory

*STEEL OVERSIZE SLEEVES have Epo-Zinc Coating. Hot Dip Galvanized finish is available at additional charge. Refer to factory.

OTHER CHARGES: When Grounding Connection is required on Body (or Bodies), add $7.77 per connection for #8, #6 or #4 wire sizes and $13.78 per connection for #2, #1 or 1/10 wire sizes. (Wire size must be specified).

MODIFICATIONS AND OPTIONAL FEATURES
CLASS 420, 421, 422, 423, 430

	CONTROL STATIONS COVER MOUNTED				GROUP C, D DEVICES			GROUP B, C, D DEVICES					
Dist. Cost EACH	Description	Used on Class	Cat. No. Factory Installed	Sugg. Resale Price EACH	Dist. Cost EACH	Cat. No. Field Installed	Sugg. Resale Price EACH	Dist. Cost EACH	Cat No. Factory Installed	Sugg. Resale Price EACH	Dist. Cost EACH	Cat. No. Field Installed	Sugg Resale Price EACH
$167.49	Start & Stop Pushbuttons (2)	420/430	GCA	$217.75	POA	FA4314X2	POA	$181.25	GBA	$236.27	POA	FA4530X2	POA
81.76	Stop Pushbutton (1)	ALL	GCB	108.10	POA	FA4315X2	POA	91.47	GBB	118.91	POA	FA4531X2	POA
81.76	Start Pushbutton (1)	420/430	GCC	108.10	POA	FA4316X2	POA	91.47	GBC	118.91	POA	FA4532X2	POA
178.18	Stop III, Pushbutton (1) Red Lens 120VAC	ALL	GCD	231.63	POA	FA4317X2	POA	194.81	GBD	253.24	POA	FA4533X2	POA
178.18	Start III, Pushbutton (1) Green Lens 120VAC	420/430	GCE	231.63	POA	FA4318X2	POA	194.81	GBE	253.24	POA	FA4534X2	POA
122.36	Hand-Off-Auto (1) Selector Switch	420/430	GCF	159.05	POA	FA4319X2	POA	130.67	GBF	169.86	POA	FA4535X2	POA
73.66	Red Pilot Light — 120VAC (motor running)	ALL	GCG	95.75	POA	FA4320X2	POA	83.15	GBG	108.10	POA	FA4536X2	POA
73.66	Green Pilot Light — 120VAC (stand by)	ALL	GCH	95.75	POA	FA4321X2	POA	83.15	GBH	108.10	POA	FA4537X2	POA
122.36	Red Pilot Light — 240VAC (motor running)	ALL	GCJ	159.06	POA	FA4583X2	POA	131.86	GBJ	171.41	POA	FA4585X2	POA
122.36	Green Pilot Light — 240VAC (stand by)	ALL	GCK	159.06	POA	FA4584X2	POA	131.86	GBK	171.41	POA	FA4586X2	POA
122.36	Red Pilot Light — 480VAC (motor running)	ALL	GCL	159.06	POA	FA4322X2	POA	131.86	GBL	171.41	POA	FA4538X2	POA
122.36	Green Pilot Light — 480VAC (stand by)	ALL	GCM	159.06	POA	FA4323X2	POA	131.86	GBM	171.41	POA	FA4539X2	POA
250.64	Forward, Stop, Reverse PB.'s (3)	421	GCN	325.82	POA	FA4324X2	POA	274.41	GBN	356.71	POA	FA4540X2	POA
250.64	High, Low, Stop PB.'s (3)	423	GCP	325.82	POA	FA4325X2	POA	274.41	GBP	356.71	POA	FA4542X2	POA
122.36	Forward-Stop-Reverse (1) Selector Switch	421	GCR	159.06	POA	FA4334X2	POA	130.67	GBR	169.86	POA	FA4541X2	POA
122.36	Off-Low-High (1) Selector Switch	423	GCS	159.06	POA	FA4335X2	POA	130.67	GBS	169.86	POA	FA4543X2	POA
34.46	**BREATHER/DRAIN FITTINGS** Drain Fitting	ALL	K1	44.78	20.19	(1)BD2	24.26	76.02	K3	98.83	29.70	(1)DBB-50	38.62
72.46	Breather & Drain	ALL	K2	94.21	40.39	(2)BD2	48.51	150.63	K4	196.12	59.40	(2)DBB-50	77.21

MODIFICATIONS AND OPTIONAL FEATURES
CLASS 420, 421, 422, 430

Factory Installed						Field Installed		
Dist. Cost EACH	Additional Options / Description		Used on Class	Cat. No. Factory Installed	Sugg. Resale Price EACH	Dist. Cost EACH	Cat. No. Field Installed	Sugg. Resale Price EACH
$146.12	Separate Control	120V	ALL	S-120V	$189.95	POA	FA4333X2	POA
146.12	Fused Circuit	240V		S-240V	189.95			
146.12	(specify str. coil voltage)	480V		S-480V	189.95			
111.66	Enclosure Space Heater	120V	ALL	O-120V	145.16	POA	FA4327X11	POA
111.66		240V		O-240V	145.16	POA	FA4327X12	POA
111.66		480V		O-480V	145.16	POA	FA4327X13	POA
49.40	Control Terminal Block	4 point	420	TB04	64.86			
100.97	SCREW TERMINAL	8 point	420	TB08	131.26			
150.85	30 Amp (Includes Wiring)	12 point	420	TB12	196.12			
218.55		18 point	420	TB18	284.13			
N/C	Starter Less O/L Relay (contactor)		420/430	JR1 JR2 JR3 JR4	N/C		N/A	
53.44	Starter Aux. Contacts -	1 N.O.	ALL	X1	69.47	POA	(1) J11	POA
53.44		1 N.C.		X2	69.47	POA	(1) J11	POA
108.10		2 N.O.		X3	140.54	POA	(2) J11	POA
108.10		1 N.O. 1 N.C.		X4	140.54	POA	(1) J11	POA
108.10		2 N.C.		X5	140.54	POA	(2) J11	POA
160.36		2 N.O. 1 N.C.		X7	208.47	POA	(2) J11	POA
216.18		2 N.O. 2 N.C.		X12	281.04	POA	(2) J11	POA
26.14	Engraved Phenolic Nameplate Black w/White 1/8" Letters 3 Lines Max. (specify engraving)		ALL	NP	33.97		Consult Factory	

480/240-120V M/SEC. FUSE

Control Power Transformers								
	Description	Starter Size	Used on Class	Cat. No. Factory Installed			Cat. No. Field Installed	
$339.73	50VA CPT	1	ALL	CPT50	$441.65	POA	FA4328X2	POA
367.04	100VA CPT	1 OR 2	ALL	CPT100	477.14	POA	FA4329X2	POA
498.88	150VA CPT	2 OR 3	420/430	CPT150	648.55	POA	FA4330X2	POA
538.10	200VA CPT	3 OR 4	ALL	CPT200	699.51	POA	FA4331X2	POA
552.34	250VA CPT	4		CPT250	718.05	POA	FA4332X2	POA

MODIFICATIONS AND OPTIONAL FEATURES
CLASS 530 & 531

34.45	Drain Only	K1	44.79	20.19	BD2	26.25
32.08	Mounting Pan	N	41.70		N/A	

MODIFICATIONS AND OPTIONAL FEATURES
CLASS 441

Factory Installed				Field Installed		
Dist. Cost EACH	Description	Suffix Factory Installed	Sugg. Resale Price EACH	Dist. Cost EACH	Cat. No. Field Installed	Sugg. Resale Price EACH
$ 7.14	Extra Key	441-KEYS	$ 9.27	$ 7.14	441-KEYS	$ 9.27
N/C	Keyed Alike	KA1	N/C	N/C	KA1	N/C
	Replacement Parts Contact Block					
	1 N.O.	N/A		13.07	PB1A	17.00
	1 N.C.	N/A		13.07	PB1B	17.00
7.14	120V Lamp		9.27	7.14	B605331	9.27
7.14	6V Lamp		9.27	7.14	EE3001 P01	9.27
7.14	12V Lamp		9.27	7.14	EE3001 P02	9.27
7.14	24V Lamp		9.27	7.14	EE3001 P03	9.27
7.14	48V Lamp		9.27	7.14	EE3001 P05	9.27
N/C when ordered with device	Legend Plates	441-01 thru 441-40	N/C when ordered with device	9.51	441-01 thru 441-40	12.36
20.19	Special Engraved Legend Plate	441-16SP	26.25	20.19	441-16SP	26.25

MODIFICATIONS AND OPTIONAL FEATURES
CLASS 600

140.18	Bell Alarm	B	182.21		N/A	
34.45	Drain Fitting CL. 1 Grp. C, D	K1	44.79	21.40	(1) BD2	27.81
72.47	Breather & Drain	K2	94.21	42.78	(2) BD2	55.60
76.02	Drain Fitting CL. 1 Grp. B, C, D	K3	98.83	29.70	(1) DBB-50	38.62
150.86	Breather & Drain	K4	196.12	59.40	(2) DBB-50	75.19
	Neutral Bar					
46.32	50A	NB50	60.23		CONSULT	
67.72	150A	NB150	88.03		FACTORY	
91.47	250A	NB250	118.90			
102.16	400A	NB400	132.81			
136.61	600A	NB600	177.59			
146.12	Auxiliary Switch, SPDT	S1	189.95		N/A	
369.42	UV Trip (Specify Voltage)	T3	480.24		N/A	
369.42	Shunt Trip (Specify Voltage)	T6	480.24		N/A	
	Replacement Handle Kit					
—	150 Amp. Frame	N/A	—	108.10	PGH 150K	140.54
—	250 Amp. Frame	N/A	—	190.06	PGH 250K	247.06
—	400 Amp. Frame	N/A	—	307.64	PGH 400K	399.90
—	600 Amp. Frame	N/A	—	384.65	PGH 600K	399.90
—	1200 Amp. Frame	N/A	—	384.65	PGH 1200K	500.31
	Class 601 Auxiliary Switch					
171.15	30-100A	S2	216.18		N/A	
348.04	30-100A	S3	452.45		N/A	
166.31	200A	S4	216.18		N/A	
348.04	200A	S5	452.45		N/A	

MODIFICATIONS AND OPTIONAL FEATURES
CLASS 612, 613

Dist. Cost EACH	Description	Suffix Factory Installed	Sugg. Resale Price EACH
$ 34.45	Drain Fitting	K1	$ 44.79
72.47	Breather & Drain	K2	94.21
N/C	Incoming conduit Opening At Bottom, Load at Top	LB	N/C
	Separate Ground Bar		
142.55	12 CKT MAX.	GB-12	185.31
142.55	24 CKT MAX.	GB-24	185.31
105.72	Main Breaker — 100 A Maximum	PM	137.44
	Oversize Trip (Larger Than 50A)		
53.46	1 POLE	R1	69.49
84.35	2 POLE	R2	109.66
84.35	3 POLE	R3	109.66
	Ground Fault Breaker (5 ma) CLASS 613 ONLY		
210.25	1 POLE	R6	273.32
317.15	2 POLE	R7	412.29
	(30 ma)		
332.60	1 POLE	R8	432.37
441.87	2 POLE	R9	574.44

Dist. Cost EACH	Description	Cat. No. Field Installed	Sugg. Resale Price EACH
	Replacement Handle Kits		
$ 4.75	Plug	Plug381634SS	$ 6.18
	CLASS 612		
76.02	2-10 CKT	PWRPNL2-10HK	98.83
130.67	11-24 CKT	PWRPNL12-24HK	169.86
	CLASS 613		
60.58	NEMA 7/9	LTGPNLN7HK	78.77
99.78	NEMA 4 only	LTGPNLN4HK	129.70
	NEMA 7/9 Group B, C, D	LTGPNLN7BHK	
	CLASS 612		
4.75	Operator Hole Plug	PLUG381634-55	6.18
	CLASS 613		
4.75	Operator Hole Plug	FA1107	6.18
4.75	Operator Hole Plug	HHCSS161834	6.18

FACTORY SEALED PANEL OPTIONS

105.72	Main Breaker—100 A Maximum	MB	137.44
	Ground Fault Breaker (5 ma)		
269.65	1 POLE	GF15	350.53
371.79	2 POLE	GF25	483.34
	Ground Fault Breaker (30 ma)		
386.05	1 POLE	GF130	501.86
491.77	2 POLE	GF230	639.28
24.95	**Grounded Neutral Lug**	GL	32.44
26.15	**Engraved Phenolic Name Plate**	NP	33.97

MODIFICATIONS AND OPTIONAL FEATURES
CLASS 650, 651, 681, 683

Dist. Cost EACH	Description	Suffix Factory Installed	Sugg. Resale Price EACH
	Breather/Drain Fittings		
$ 34.44	Drain only	K1	$ 44.78
72.47	Breather & Drain	K2	94.20
76.01	Drain only (Group B)	K3	98.83
151.31	Breather & Drain	K4	196.11
NOTE: Add (1) NPT50 per fitting and indicate location, Ref. Conduit Layout Sheet			
Add 10% of Encl. Price	Stainless Steel Cover Bolts (Type IF and IG only)	M	Add 10% of Encl. Price
	Mounting Pans	N	
43.95	Up to 14" High		57.13
58.21	14" thru 24" High		75.67
84.35	Over 24" High		109.64
	Glass Window Installed		
327.85		W5	426.19
357.54		W6	464.81
369.42		W7	480.24
459.68		W10	597.60
674.68		W12	877.09
	Breaker Operators (Installed)		
502.45		FB1167X1	653.18
502.45		FB1167X2	653.18
502.45		FB1167X3	653.18
502.45		FB1167X4	653.18
502.45		FB1167X5	653.18
502.45		FB1167X6	653.18
502.45		FB1167X7	653.18
502.45		FB1167X8	653.18
502.45		FB1167X9	653.18

Types YE & YE-A

Dist. Cost EACH	Drilling & Tapping No. Boss Catalog Number	Sugg. Resale Price EACH
$11.92	DTE-38	$14.53
11.92	DTE-50	14.66
13.70	DTE-75	16.85
15.15	DTE-100	18.63
17.73	DTE-125	21.81
24.71	DTE-150	30.41
32.96	DTE-200	40.54
48.73	DTE-250	59.94
55.02	DTE-300	67.68
66.17	DTE-350	81.38
77.45	DTE-400	95.25
103.16	DTE-450	126.90
112.31	DTE-500	138.15
145.00	DTE-600	178.37

Dist. Cost EACH	Description	Suffix Factory Installed	Sugg. Resale Price EACH
$109.28	Hinges	HIG12SS	$142.07
109.28		HIG22SS	142.07
109.28		HOF12SS	142.07
109.28		HOF22SS	142.07
171.04		HOF23SS	222.37
13.07	Drilling & Tapping	NPT50	17.00
16.63		NPS75	21.62
15.44		NPT75	20.07
16.63		NPT100	21.62
19.01		NPT125	24.77
24.95		NPT150	32.43
33.27		NPT200	34.17
48.71		NPT250	63.32
55.83		NPT300	72.58
67.71		NPT350	88.02
79.59		NPT400	103.45
105.72		NPT450	137.43
114.04		NPT500	148.25
	Blind Tapped Holes		
10.69	Less than 1/2" dia.		13.89
13.07	Over 1/2" dia.		17.00
16.63	3/4" NPSM		21.62
13.07	Plugs	XP	17.00
7.14		PLUG50	9.27
7.14		PLUG75	9.27
7.14		PLUG100	9.27
8.31		PLUG125	10.82
8.31		PLUG150	10.82
9.51		PLUG200	12.36
13.07		PLUG250	17.00
17.62		PLUG300	23.16
34.44		PLUG350	44.78
54.55		PLUG400	71.04
265.08	Breaker Operators (For Field Installation)	FB0990X01K	370.59
265.08		FB0990X02K	370.59
265.08		FB0990X03K	370.59
265.08		FB0990X04K	370.59
265.08		FB0990X05K	370.59
265.08		FB0990X06K	370.59
265.08		FB0990X07K	370.59
265.08		FB0990X08K	370.59
265.08		FB0990X09K	370.59
265.08		FB0990X11K	370.59
	Internal Ground Lug Kits (Provided Separate)		
19.01		FA4257	24.71
22.57		FA4259	29.34

Hinges – Types YE & YE-A

Dist. Cost EACH	Type	Box Size	Catalog Number	Number of Hinges Per Set	Sugg. Resale Price EACH
$298.99	Hot Dip Galvanized	Up to 24" x 12"	HNG-22G	2	$358.80
325.30	Cast Malleable Iron	Up to 24" x 24"	HNG-23G	2	400.12
488.64	For YE Boxes	Larger than 24" x 24"	HNG-33G	3	601.02
298.99	Cast Aluminum	Up to 24" x 12"	HNG-22A	2	$358.75
325.30	For YE-A	Up to 24" x 24"	HNG-23A	2	390.37
488.64		Larger than 24" x 24"	HNG-33A	3	586.37

Hazardous Location Junction Boxes Options on GUB Style Boxes

Grounding Kits

Distributor Cost EACH	Catalog Number	Wire Capacity Al-Cu Tinned Copper	Suggested Resale Price EACH
$ 6.19	GK-04	#14–4 AWG	$ 8.03
8.65	GK-10	8–1/0 AWG	11.25
13.61	GK-25	6AWG–250 Mcm	17.67

Drain Breather

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$56.30	MDB-50	1/2	$81.21

Drilled and Tapped installation included.

Replacement Site Window Covers for GUBSW Series

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$105.00	SW-443A	GUBSW-443A	$136.54
113.85	SW-555A	GUBSW-555A	147.74
148.24	SW-664A	GUBSW-664A	192.71
148.24	SW-664A1	GUBSW-664	192.71
169.24	SW-976A	GUBSW-976A	220.01
190.25	SW-984A	GUBSW-984A	247.29
275.49	SW-1093A	GUBSW-1093A	358.14
359.48	SW-10105A	GUBSW-10105A	467.34

Mounting Plate Galvanized Steel

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$33.35	MPG-443	GUB-443	$43.39
35.82	MPG-555	GUB-555	46.58
37.06	MPG-664	GUB-664	48.17
51.89	MPG-976	GUB-976	67.45
56.84	MPG-984	GUB-984	73.89
61.78	MPG-1093	GUB-1093	80.30
67.95	MPG-10105	GUB-10105	88.32
67.95	MPG-10106	GUB-10106	88.32
67.95	MPG-10108	GUB-10108	88.32
74.13	MPG-12128	GUB-12128	96.37
74.13	MPG-121212	GUB-121212	96.37

Mounting Plate Aluminum

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$35.82	MPA-443	GUB-443	$ 46.58
40.78	MPA-555	GUB-555	53.01
48.17	MPA-664	GUB-664	62.64
60.53	MPA-976	GUB-976	78.70
75.35	MPA-984	GUB-984	97.96
82.76	MPA-1093	GUB-1093	107.59
92.66	MPA-10105	GUB-10105	120.46
92.66	MPA-10106	GUB-10106	120.46
92.66	MPA-10108	GUB-10108	120.46
101.29	MPA-12128	GUB-12128	131.69
101.29	MPA-121212	GUB-121212	131.69

Replacement Dome Covers

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$101.29	DC-4-664A	GUB-664	$131.69
137.13	DC-10-664A	GUB-664	178.26
175.42	DC-6-984A	GUB-984A	228.04
210.02	DC-8-1093A	GUB-1093	273.03
265.81	DC-10-10105A	GUB-10105	345.24

90° Mounting Plate Galvanized Steel

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$43.24	MD-4-664G	GUB-664	$56.21
48.17	MD-10-664G	GUB-664	62.64
64.23	MD-6-984G	GUB-984	83.51
71.60	MD-8-1093G	GUB-1093	93.14
76.59	MD-10-10105G	GUB-10105	99.57

90° Mounting Plate Aluminum

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$ 54.34	MD-4-664A	GUB-664	$ 70.67
61.28	MD-10-664A	GUB-664	80.30
81.55	MD-6-984A	GUB-984	106.00
95.12	MD-8-1093A	GUB-1093	123.66
107.47	MD-10-10105A	GUB-10105	139.72

Replacement Flat Covers Aluminum

Distributor Cost EACH	Catalog Number	Box Size	Suggested Resale Price EACH
$ 33.36	FC-443A	GUB-443A	$ 43.39
35.82	FC-555A	GUB-555A	46.58
45.71	FC-664A	GUB-664A	59.42
45.71	FC-664A1	GUB-664	59.42
85.23	FC-976A	GUB-976A	110.81
95.12	FC-984A	GUB-984A	123.66
111.18	FC-1093A	GUB-1093	144.53
121.08	FC-10105A	GUB-10105A	157.39
121.08	FC-1010A	GUB-1010A	157.39
121.08	FC-1010A	GUB-10108A	157.39
172.06	FC-1212A	GUB-12128A	224.83
172.06	FC-1212A	GUB-121212A	224.83

Factory Installed Conduit Entries Drilled and Tapped

Distributor Cost EACH	Catalog Number (Symbol)	Trade Size Inches	Suggested Resale Price EACH
$13.69	1	1/2	$ 17.67
14.83	2	3/4	19.28
16.06	3	1	20.89
19.77	4	1 1/4	25.70
25.95	5	1 1/2	33.73
34.60	6	2	44.90
50.66	7	2 1/2	65.85
58.05	8	3	75.48
70.42	9	3 1/2	91.55
82.78	10	4	107.59
N/C	0	None	N/C

Factory Installed Conduit Entries Union Hub

Distributor Cost EACH	Catalog Number (Symbol)	Trade Size Inches	Suggested Resale Price EACH
$ 24.71	W	1/2	$ 32.12
25.95	X	3/4	33.73
33.36	Y	1	43.35
51.89	R	1 1/4	67.45
76.58	S	1 1/2	99.57
92.64	T	2	120.45
113.65	U	2 1/2	147.74
127.25	V	3	165.42
198.91	WD9	3 1/2	258.55
233.47	XD	4	303.51
N/C	0	None	N/C

Coating and Meter Mounting Hardware

Distributor Cost EACH	Catalog Number	Description	Suggested Resale Price EACH
$100.04	HW5	Meter Mounting Hardware	130.09
112.42	HW6		146.16
165.53	HW10		215.19

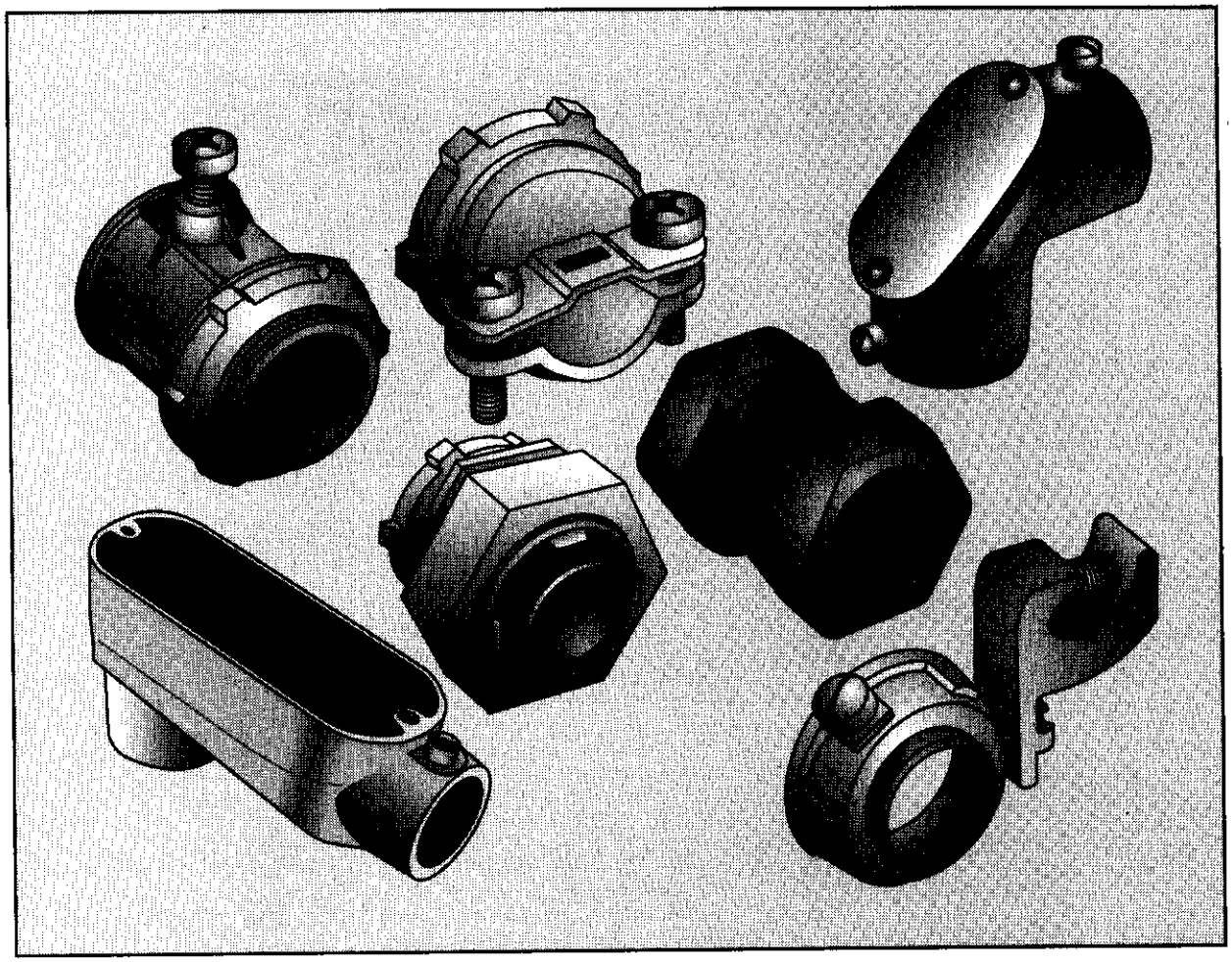
EGS O-Z/GEDNEY

OPTIONS FOR HAZARDOUS AND GENERAL LIGHTING
DISTRIBUTOR LIST PRICING

Option Suffix	Description	Available for the following lines	Distributor List Price Each
I	HID Lamp Installed (Express Pak)	DM, MB, XM, XMM, XMT	Varies – consult factory
I	Compact Fluorescent Lamp(s) Installed (Express Pak)	FM, DE, D	Varies – consult factory
Q	Quartz Auxiliary Circuit (Lamp not supplied)	DM, MB, XM, XMM, XMT, NA, NH	$159.15
PS	Safety Starter (50W – 400W HPS)	DM, MB, XM, XMM, XMT	$90.65
RS	Instant Restrike (50W – 150W HPS)	DM, MB, XM, XMM, XMT	$156.68
SS	Stainless Steel Nameplate	DM (Form 1A)	$41.86
F	Single fuse block and fuse installed (120V, 277V)	DM, MB, XM, XMM, XMT, NA, NM, NH	$19.63
FF	Double fuse block and fuses installed (208V, 240V, 480V)	DM, MB, XM, XMM, XMT, NA, NM, NH, NS	$39.29
SC	Safety Chain Assembly	DM	$30.75
R	Red Finish	DE	$87.18
K	Special Finish – Kynar Corrosion Protection	DM, DE, MB, FM	$212.15
SR	Smart Hot Restrike	DM, MB	$256.71

Zinc Die Cast Fittings

Distributor Net Price List



EGS Electrical Group

NEER

IA DN2L

Distributor Cost per 100		Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
4778.83	•	AC-250-D	10986	IA	-	5	260	A
6291.15	•	AC-300-D	10987	IA	-	2	350	A
12429.85	•	AC-350-D	10988	IA	-	1	700	A
19081.60	•	AC-400-D	10989	IA	-	1	800	A
46.55	•	AC-90	10090	IA	50	500	9	A
76.77	•	AC-95	10095	IA	25	250	14	A
84.95	•	AC-96	10096	IA	10	100	21	C
382.32	•	AC-97	10097	IA	5	50	36	A
541.99	•	AC-98	10098	IA	10	40	53	A
1452.44	•	AC-985	10985	IA	-	5	120	B
1476.98	•	AC-99	10099	IA	-	5	140	A
46.57	•	ACI-90	10290	IA	50	500	9	C
71.45	•	ACI-95	10295	IA	25	250	14	C
131.12	•	ACI-96	10296	IA	10	100	22	C
3.85	•	AS-0-100	30035	IA	100	17500	-	B
3.24	•	AS-1-100	35000	IA	100	14000	-	B
5.12	•	AS-2-100	35001	IA	100	10500	-	C
9.33	•	AS-3-50	30320	IA	50	4000	-	C
10.46	•	AS-4-50	35004	IA	50	2400	-	C
46.76	•	BC-250	25250	IA	20	200	15	B
216.43	•	BC-251	25251	IA	-	100	11	C
81.14	•	BC-260	25260	IA	-	100	23	B
4.87	•	BX-50	10551	IA	-	500	1	C
5.17	•	BX-75	10552	IA	-	500	2	C
63.30	•	C-1000	35005	IA	25	250	17	B
63.30	•	C-1001-R	11001	IA	10	100	17	B
99.68	•	C-1250	11250	IA	10	100	26	B
99.68	•	C-1251-R	11251	IA	10	100	26	B
137.95	•	C-1500	35006	IA	-	25	36	C
131.36	•	C-1501-R	11511	IA	-	25	32	B
199.40	•	C-2000	12000	IA	-	20	50	C
197.51	•	C-2001-R	12001	IA	-	20	50	B
17.09	•	C-500	10500	IA	100	1000	5	A
17.09	•	C-500-JP	11771	IA	-	1000	5	A
25.05	•	C-510	10510	IA	100	1000	6	A
16.94	•	C-550	10550	IA	100	1000	5	A
16.94	•	C-550-JP	11773	IA	-	1000	5	A
38.61	•	C-750	10750	IA	50	500	10	A
156.53	•	CC-100	37903	IA	-	50	12	C
253.90	•	CC-125	37904	IA	-	50	26	C
479.83	•	CC-200	37906	IA	-	25	48	C
702.90	•	CC-250	37907	IA	-	10	90	C
1008.58	•	CC-400	37909	IA	-	5	140	C
87.69	•	CC-50	35007	IA	-	50	6	C
125.28	•	CC-75	37902	IA	-	50	8	C
21.67	•	CH-050-B	35008	IA	50	500	8	A
24.34	•	CH-100-B	27100	IA	-	100	8	A
24.95	•	CH-200-B	27200	IA	-	100	10	B
32.84	•	CH-250-B	27250	IA	-	100	11	B
32.84	•	CH-300-B	27300	IA	-	100	12	C
45.53	•	CH-400-B	27400	IA	-	100	17	B
54.78	•	CH-500-B	27500	IA	-	50	20	A
87.85	•	CH-600-B	27600	IA	-	50	34	B
100.15	•	CH-700-B	27700	IA	-	25	44	C
112.49	•	CH-800-B	27800	IA	-	25	52	C
181.02	•	CH-900-B	27900	IA	-	25	52	B
19.25	•	CNI-100	10521	IA	100	1000	35	B
39.50	•	CNI-200	10530	IA	50	500	31	-
74.42	•	CNI-300	10499	IA	25	250	21	-
136.27	•	CNI-400	10531	IA	25	250	30	-
225.10	•	CNI-500	10532	IA	25	100	20	-
365.73	•	CNI-600	10533	IA	10	40	11	C
15.92	•	CNN-100	94900	IA	100	1000	300	B

Distributor Cost per 100		Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
1959.03	•	CNN-1000	94909	IA	5	20	8000	A
32.77	•	CNN-200	94901	IA	50	500	600	B
62.27	•	CNN-300	94902	IA	25	250	1000	B
112.54	•	CNN-400	94903	IA	25	250	1400	C
150.97	•	CNN-500	94904	IA	25	100	2200	C
246.88	•	CNN-600	94905	IA	10	40	3200	B
444.33	•	CNN-700	94906	IA	10	40	4200	C
613.21	•	CNN-800	94907	IA	10	40	5200	B
1183.02	•	CNN-900	94908	IA	5	20	8000	C
281.81	•	CPL-50	23250	IA	10	100	21	C
426.42	•	CPL-75	23275	IA	5	50	30	C
66.55	•	CU-360	21360	IA	10	200	20	B
115.31	•	DC-10	21660	IA	1	50	106	A
576.48	•	DC-50	21661	IA	1	10	530	A
58.75	•	DC-5500	15500	IA	25	250	12	A
227.30	•	ECO-100	25100	IA	10	50	54	C
269.36	•	ECO-101	25101	IA	10	50	64	C
298.77	•	ECO-102	25102	IA	5	25	44	B
842.81	•	ECO-103	25103	IA	5	25	56	A
573.21	•	ECO-104	25104	IA	3	15	100	B
903.46	•	ECO-105	25105	IA	-	5	160	A
2745.30	•	ECO-106	25106	IA	-	1	500	A
4093.11	•	ECO-107	25107	IA	-	1	800	A
5179.89	•	ECO-108	25108	IA	-	1	700	B
5880.10	•	ECO-109	25109	IA	-	1	700	A
1259.45	•	ECS-105	24105	IA	-	5	140	C
3478.59	•	ECS-106	24106	IA	-	1	500	C
5351.91	•	ECS-107	24107	IA	-	1	500	C
7693.07	•	ECS-108	24108	IA	-	1	900	C
7636.48	•	ECS-109	24109	IA	-	1	800	C
122.39	•	EFC-100	23380	IA	25	250	14	B
64.44	•	EFC-50	23350	IA	50	500	7	C
116.19	•	EFC-75	23375	IA	25	250	10	A
98.69	•	EGC-50	23385	IA	25	250	8	B
199.50	•	EGC-75	23386	IA	25	250	12	C
41.54	•	FC-5501	15501	IA	25	250	9	B
56.67	•	FG-100	37953	IA	-	100	1	C
70.54	•	FG-125	37954	IA	-	25	4	C
94.68	•	FG-200	37956	IA	-	25	4	C
135.49	•	FG-250	37957	IA	-	10	10	C
167.64	•	FG-400	37959	IA	-	5	20	C
28.88	•	FG-50	37951	IA	-	100	1	C
50.50	•	FG-75	37952	IA	-	100	1	C
49.28	•	GB-100	10536	IA	50	500	21	C
993.25	•	GB-1000	10546	IA	-	5	3	-
60.06	•	GB-200	10537	IA	25	250	14	C
80.39	•	GB-300	10539	IA	20	200	16	C
120.98	•	GB-400	10540	IA	20	200	14	C
159.27	•	GB-500	10541	IA	10	100	10	-
240.14	•	GB-600	10542	IA	10	100	12	C
467.68	•	GB-700	10543	IA	-	10	5	-
607.08	•	GB-800	10544	IA	-	10	4	C
684.75	•	GB-900	10545	IA	-	5	3	-
175.30	•	GBL-100	35009	IA	50	500	7	B
1079.56	•	GBL-1000	35010	IA	-	5	100	A
185.93	•	GBL-200	13210	IA	25	250	7	A
197.33	•	GBL-300	35011	IA	20	200	10	A
249.74	•	GBL-400	13410	IA	20	200	13	C
266.00	•	GBL-500	35012	IA	10	100	17	B
367.49	•	GBL-600	13610	IA	10	100	23	C
623.50	•	GBL-700	35013	IA	-	10	60	A
768.19	•	GBL-800	35014	IA	-	10	70	A
848.32	•	GBL-900	13910	IA	-	5	80	B

•When ordering, order standard carton quantitites only. Orders for less than standard carton quantities will be rounded up to a full carton quantity and billed accordingly.

Distributor Cost per 100		Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
268.01	•	GC-1-DB	25008	IA	25	250	22	B
157.38	•	GC-1Z	12045	IA	25	250	20	A
126.37	•	GC-100	20380	IA	25	250	17	B
249.27	•	GC-125	20385	IA	10	100	29	C
332.96	•	GC-150	20390	IA	5	50	42	C
434.36	•	GC-2	25002	IA	-	25	44	A
641.80	•	GC-200	20395	IA	3	30	63	B
25.81	•	GC-38	20338	IA	50	500	6	A
1987.29	•	GC-4	25004	IA	-	10	120	B
74.93	•	GC-5	25005	IA	25	250	18	A
103.42	•	GC-5B	25007	IA	25	250	18	A
24.46	•	GC-50	20350	IA	50	500	7	A
2347.29	•	GC-6	25006	IA	-	10	210	C
33.86	•	GC-75	20375	IA	25	250	10	A
22.69	•	GCI-38	20438	IA	50	500	6	C
22.21	•	GCI-50	20439	IA	50	500	7	B
69.27	•	GCI-75	20440	IA	25	250	10	C
72.34	•	GL-100-D	16175	IA	50	200	3	C
966.94	•	GL-1000-D	17075	IA	-	10	30	C
86.86	•	GL-200-D	16275	IA	25	100	6	C
131.54	•	GL-300-D	16375	IA	25	100	7	C
163.11	•	GL-400-D	16475	IA	10	50	8	C
225.96	•	GL-500-D	16575	IA	10	50	8	C
282.94	•	GL-600-D	16675	IA	10	50	12	C
485.59	•	GL-700-D	16775	IA	-	10	10	C
579.19	•	GL-800-D	16875	IA	-	10	20	C
824.44	•	GL-900-D	16975	IA	-	10	20	C
40.46	•	GX-50	20450	IA	50	500	28	B
64.87	•	GX-75	20475	IA	25	250	22	B
130.32	•	GX-100	35016	IA	10	100	16	B
256.78	•	GX-125	20485	IA	10	100	26	B
347.40	•	GX-150	20490	IA	5	50	21	B
563.68	•	GX-200	20495	IA	3	30	18	B
8.33	•	HI-102	26102	IA	50	500	6	B
167.95	•	HL-500	22500	IA	10	100	28	B
191.93	•	HL-750	22750	IA	10	100	37	B
18.62	•	JC-12-S	38112	IA	100	400	9	A
29.84	•	KO-100	35017	IA	50	500	3	B
34.76	•	KO-125	35018	IA	50	200	3	C
59.53	•	KO-150	40150	IA	50	200	5	C
70.99	•	KO-200	35019	IA	20	200	7	C
14.90	•	KO-50	40050	IA	100	1000	2	C
16.37	•	KO-75	40075	IA	100	1000	2	C
6.76	•	L-100	16100	IA	200	2000	1	B
4.79	•	L-100-D	40010	IA	200	2000	1	B
282.66	•	L-1000	17000	IA	-	20	25	B
210.51	•	L-1000-D	10529	IA	-	20	6	C
1377.58	•	L-1100	17100	IA	-	10	90	C
1931.94	•	L-1200	17200	IA	-	10	120	C
8.33	•	L-200	16200	IA	100	1000	2	B
6.32	•	L-200-D	35020	IA	100	1000	2	C
12.71	•	L-300	16300	IA	100	1000	4	B
11.68	•	L-300-D	40035	IA	100	1000	2	C
20.25	•	L-400	16400	IA	50	500	5	B
10.58	•	L-400-D	35021	IA	50	500	3	C
29.55	•	L-500	16500	IA	40	400	6	C
27.13	•	L-500-D	40055	IA	40	400	4	C
40.75	•	L-600	16600	IA	20	200	9	A
37.00	•	L-600-D	35022	IA	20	200	6	B
90.06	•	L-700	16700	IA	-	50	14	A
53.15	•	L-700-D	40700	IA	-	50	12	C
102.53	•	L-800	16800	IA	-	50	18	A
103.02	•	L-800-D	10527	IA	-	50	8	B

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168.89	•	L-900	16900	IA	-	25	24	B
178.49	•	L-900-D	10528	IA	-	25	5	C
568.89	•	LB-100-D	36100	IA	5	25	64	B
634.56	•	LB-100-SS	36102	IA	5	25	64	C
939.89	•	LB-125-D	36125	IA	2	10	160	B
1029.10	•	LB-125-SS	36127	IA	2	10	160	C
1230.95	•	LB-150-D	36150	IA	2	10	160	C
1320.20	•	LB-150-SS	36152	IA	-	10	160	C
1941.39	•	LB-200-D	36200	IA	1	5	280	A
2128.23	•	LB-200-SS	36202	IA	1	5	280	C
4462.63	•	LB-250-D	36251	IA	-	1	500	C
5541.99	•	LB-300-D	36301	IA	-	1	500	C
9472.95	•	LB-350-D	36351	IA	-	1	1000	C
10200.42	•	LB-400-D	36401	IA	-	1	900	C
204.25	•	LB-50-D	36050	IA	10	100	33	B
344.12	•	LB-50-SS	36052	IA	10	100	33	C
383.95	•	LB-75-D	36075	IA	10	50	48	B
427.53	•	LB-75-SS	36077	IA	10	50	48	C
570.69	•	LC-100	37500	IA	5	25	64	C
692.98	•	LC-125	37525	IA	2	10	180	C
1265.96	•	LC-150	37550	IA	2	10	160	C
1901.21	•	LC-200	37600	IA	1	5	280	C
363.77	•	LC-50	37450	IA	10	100	28	C
392.43	•	LC-75	37475	IA	10	50	44	C
570.69	•	LL-100-D	37300	IA	5	25	68	C
962.09	•	LL-125-D	37325	IA	2	10	150	C
1245.96	•	LL-150-D	37350	IA	2	10	170	C
1901.21	•	LL-200-D	37400	IA	1	5	260	C
383.31	•	LL-50-D	37250	IA	10	100	27	C
592.43	•	LL-75-D	37275	IA	10	50	50	C
196.17	•	LML-01	38301	IA	10	50	22	B
222.89	•	LML-02	38302	IA	10	50	22	C
231.51	•	LML-11	38311	IA	10	50	24	A
234.58	•	LML-12	38312	IA	10	50	24	A
282.22	•	LML-21	38321	IA	10	50	36	A
486.02	•	LML-22	38322	IA	10	50	36	B
521.52	•	LML-31	38331	IA	5	25	60	A
582.74	•	LML-32	38332	IA	5	25	64	C
789.09	•	LML-41	38341	IA	5	20	120	B
1024.29	•	LML-42	38342	IA	5	20	125	C
1186.87	•	LML-51	38351	IA	-	10	130	B
1236.85	•	LML-52	38352	IA	-	10	130	C
1611.36	•	LML-61	38361	IA	-	5	200	B
1853.48	•	LML-62	38362	IA	-	5	200	C
5669.98	•	LML-71	38371	IA	-	1	500	C
7147.73	•	LML-72	38372	IA	-	1	600	C
6425.66	•	LML-81	38381	IA	-	1	600	B
8664.13	•	LML-82	38382	IA	-	1	600	C
7616.28	•	LML-85	38385	IA	-	1	700	C
12072.13	•	LML-86	38386	IA	-	1	700	C
9342.98	•	LML-91	38391	IA	-	1	1100	C
12596.76	•	LML-92	38392	IA	-	1	1000	C
166.41	•	LMM-01	38201	IA	25	100	15	A
126.22	•	LMM-02	38202	IA	25	100	15	C
122.32	•	LMM-11	38211	IA	25	100	17	A
126.86	•	LMM-12	38212	IA	25	100	17	B
163.24	•	LMM-21	38221	IA	10	50	26	A
196.88	•	LMM-22	38222	IA	10	50	13	B
252.69	•	LMM-31	38231	IA	5	25	48	A
339.32	•	LMM-32	38232	IA	5	25	11	C
456.48	•	LMM-41	38241	IA	5	25	68	A
468.28	•	LMM-42	38242	IA	5	25	15	C
539.56	•	LMM-51	38251	IA	-	10	70	A

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741.74	•	LMM-52	38252	IA	-	10	9	C
976.12	•	LMM-61	38261	IA	-	5	100	A
1448.68	•	LMM-62	38262	IA	-	5	6	C
4152.67	•	LMM-71	38271	IA	-	1	300	B
5953.38	•	LMM-72	38272	IA	-	1	3	C
5126.52	•	LMM-81	38281	IA	-	1	400	B
6486.24	•	LMM-82	38282	IA	-	1	5	C
5448.08	•	LMM-85	38285	IA	-	1	500	C
7349.85	•	LMM-86	38286	IA	-	1	5	C
6403.55	•	LMM-91	38291	IA	-	1	400	B
7781.65	•	LMM-92	38292	IA	-	1	6	C
578.58	•	LR-100-D	37100	IA	5	25	68	C
962.09	•	LR-125-D	37125	IA	2	10	150	C
1245.88	•	LR-150-D	37150	IA	2	10	170	C
1981.21	•	LR-200-D	37200	IA	1	5	300	C
383.31	•	LR-50-D	37050	IA	10	100	26	C
392.43	•	LR-75-D	37075	IA	10	50	50	C
58.12	•	LS-100	16150	IA	50	200	12	C
1396.96	•	LS-1000	17020	IA	-	10	30	C
67.84	•	LS-200	16250	IA	25	100	17	C
102.32	•	LS-300	16350	IA	25	100	22	C
174.95	•	LS-400	16450	IA	10	50	30	C
223.78	•	LS-500	16550	IA	10	50	30	C
288.39	•	LS-600	16650	IA	10	50	22	C
648.16	•	LS-700	16750	IA	-	25	16	C
1005.76	•	LS-800	16850	IA	-	25	20	C
1229.26	•	LS-900	16950	IA	-	10	30	C
193.98	•	LT-50	23300	IA	25	100	22	C
2.93	•	MS-4	21744	IA	-	1000	1	C
701.23	•	NC-1069	21069	IA	-	12	100	C
745.64	•	NC-1070	21070	IA	-	12	108	B
817.42	•	NC-1071	21071	IA	-	12	133	C
127.37	•	NCG-01	21080	IA	25	100	3	C
127.37	•	NCG-02	21084	IA	25	100	3	C
158.28	•	NCG-11	21081	IA	25	100	3	C
248.96	•	NCG-21	21082	IA	25	100	6	C
375.01	•	NCG-32	21087	IA	5	25	12	C
167.02	•	NML-01	21102	IA	25	100	9	C
167.02	•	NML-11	21112	IA	25	100	8	C
252.20	•	NML-21	21122	IA	10	50	12	C
572.20	•	NML-31	21132	IA	5	25	20	C
104.62	•	NMM-01	35023	IA	25	100	8	C
104.62	•	NMM-11	21111	IA	25	100	7	C
150.40	•	NMM-21	21121	IA	10	50	10	C
242.19	•	NMM-31	21131	IA	5	25	16	C
9.15	•	NS-901	34191	IA	100	1000	2	B
12.23	•	NS-902	34192	IA	100	1000	2	B
17.72	•	NS-903	34193	IA	100	1000	3	C
22.55	•	NST-50	94930	IA	100	1000	200	A
5.25	•	PB-100-D	35024	IA	100	1000	1	B
107.74	•	PB-1000-D	35025	IA	-	20	10	B
550.35	•	PB-1100-D	15100	IA	-	10	30	C
961.04	•	PB-1200-D	15200	IA	-	5	200	C
7.06	•	PB-200-D	14200	IA	100	1000	1	B
12.92	•	PB-300-D	14300	IA	40	400	2	B
15.98	•	PB-400-D	35026	IA	25	250	2	B
20.63	•	PB-500-D	35027	IA	20	200	3	B
41.57	•	PB-600-D	14600	IA	20	200	4	B
76.41	•	PB-700-D	14700	IA	-	50	6	A
84.52	•	PB-800-D	35028	IA	-	50	8	A
96.29	•	PB-900-D	35029	IA	-	25	8	C
299.01	•	PVC-100	28000	IA	-	25	16	C
319.54	•	PVC-101	28001	IA	-	25	28	C
388.33	•	PVC-102	28002	IA	-	20	25	C
424.57	•	PVC-103	28003	IA	-	10	50	C
450.37	•	PVC-104	28004	IA	-	10	50	C
751.68	•	PVC-105	28005	IA	-	5	120	B
566.74	•	PVC-3040	23040	IA	-	10	60	B
391.81	•	PVC-8642	28642	IA	5	50	28	B
218.51	•	RB-10	35030	IA	25	100	27	C
218.51	•	RB-11	12611	IA	25	100	13	C
447.31	•	RB-12	12612	IA	10	40	47	C
447.31	•	RB-13	12613	IA	10	40	43	C
447.31	•	RB-14	12614	IA	10	40	47	C
447.31	•	RB-15	12615	IA	10	40	50	C
447.31	•	RB-16	12616	IA	10	40	32	C
47.58	•	RB-2	12602	IA	100	400	5	C
73.72	•	RB-3	12603	IA	50	200	10	C
73.72	•	RB-4	12604	IA	50	200	7	B
173.24	•	RB-5	35031	IA	25	100	27	C
173.24	•	RB-6	12606	IA	25	100	22	C
173.24	•	RB-7	12607	IA	25	100	14	C
218.51	•	RB-8	12608	IA	25	100	21	C
218.51	•	RB-9	12609	IA	25	100	19	C
194.27	•	RC-500	25500	IA	-	100	9	C
192.11	•	RC-625	25625	IA	-	100	12	B
267.27	•	RC-750	25750	IA	-	100	13	C
89.53	•	REC-50	25800	IA	50	500	9	C
140.41	•	REC-75	25825	IA	25	250	12	C
142.39	•	RN-100	29100	IA	10	100	23	C
206.79	•	RN-125	29125	IA	5	50	34	B
256.08	•	RN-150	29150	IA	5	50	44	C
384.75	•	RN-200	29200	IA	2	20	65	B
61.77	•	RN-50	29050	IA	10	100	11	B
111.32	•	RN-75	29075	IA	10	100	15	B
6.26	•	RWN-503	94915	IA	100	1000	100	B
12.54	•	RWN-504	94916	IA	100	1000	200	C
12.54	•	RWN-505	94917	IA	100	1000	100	B
23.51	•	RWN-506	94918	IA	50	500	300	C
21.79	•	RWN-507	94919	IA	50	500	300	C
21.79	•	RWN-508	94920	IA	50	500	200	C
29.20	•	RWN-509	94921	IA	50	250	400	C
29.29	•	RWN-510	94922	IA	50	250	400	C
28.38	•	RWN-511	94923	IA	50	250	300	C
26.30	•	RWN-512	94924	IA	50	250	200	C
35.73	•	RWN-513	94925	IA	50	250	600	C
39.37	•	RWN-514	94926	IA	50	250	600	C
35.12	•	RWN-515	94927	IA	50	250	600	C
35.12	•	RWN-516	94928	IA	50	250	400	C
35.12	•	RWN-517	94929	IA	50	250	400	C
92.01	•	RX-125	11580	IA	25	250	12	C
107.27	•	RX-150	11585	IA	10	100	15	C
26.13	•	RX-50	35032	IA	100	1000	4	C
35.96	•	RX-75	11575	IA	50	500	6	B
144.33	•	SC-100	35034	IA	10	100	20	A
321.37	•	SC-125	35035	IA	10	100	32	A
448.07	•	SC-150	20150	IA	5	50	42	B
668.82	•	SC-200	20200	IA	-	10	50	C
1238.37	•	SC-250	35036	IA	-	10	90	B
1719.53	•	SC-300	20210	IA	-	10	170	A
5743.38	•	SC-350	20215	IA	-	1	200	B
34.52	•	SC-38	20038	IA	50	500	7	B
7024.44	•	SC-400	20220	IA	-	1	200	A
45.65	•	SC-50	20050	IA	25	250	10	A
51.48	•	SC-75	20075	IA	25	250	12	A
46.78	•	SCI-50	10535	IA	25	250	25	A

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58.02	•	SCI-75	10534	IA	25	250	32	A
340.57	•	SEC-192	20192	IA	5	20	35	A
893.45	•	SEC-194	35037	IA	5	10	110	A
5.09	•	SH-100-D	38100	IA	100	1000	1	C
11.88	•	SH-142	38142	IA	100	1000	2	C
484.42	•	SLB-100	10100	IA	5	50	52	C
676.52	•	SLB-125	10125	IA	5	15	107	C
1248.38	•	SLB-125-XL	10126	IA	-	5	140	C
1336.66	•	SLB-150	10150	IA	2	20	105	C
2006.30	•	SLB-200	10200	IA	2	10	160	C
2999.85	•	SLB-200-XL	10201	IA	-	5	280	C
234.27	•	SLB-50	10050	IA	10	100	23	A
317.37	•	SLB-75	10074	IA	10	100	29	B
1.42	•	SN-1000	34144	IA	100	5000	1	C
1.35	•	SN-1050	34145	IA	500	5000	1	C
1.15	•	SN-1100	34146	IA	-	10000	1	C
4.26	•	SN-3000	34150	IA	100	5000	2	C
0.93	•	SN-400	34140	IA	100	10000	1	B
0.84	•	SN-405	34141	IA	500	10000	1	B
0.80	•	SN-410	34142	IA	-	15000	1	B
10.11	•	SP-100	21600	IA	-	500	8	B
6.62	•	SP-150	21604	IA	-	1000	7	C
222.17	•	SRA-350	35300	IA	25	100	12	C
222.17	•	SRA-450	35305	IA	25	100	12	B
223.85	•	SRA-560	35310	IA	25	100	11	C
255.57	•	SRB-350	35315	IA	25	100	18	C
255.57	•	SRB-450	35320	IA	25	100	17	C
255.57	•	SRB-560	35325	IA	25	100	17	C
255.57	•	SRB-650	35330	IA	25	100	17	A
502.79	•	SRC-1050	35350	IA	10	100	33	C
434.31	•	SRC-750	35335	IA	10	100	30	C
435.99	•	SRC-850	35340	IA	10	100	30	C
502.79	•	SRC-950	35345	IA	10	100	33	C
26.63	•	TA-38	10538	IA	50	500	7	A
756.26	•	TC-100	37700	IA	5	25	72	C
1226.27	•	TC-125	37725	IA	2	10	190	C
1494.92	•	TC-150	37750	IA	2	10	180	C
2411.54	•	TC-200	35039	IA	-	2	300	C
387.50	•	TC-50	37650	IA	10	100	32	B
29.71	•	TC-501	10501	IA	50	500	7	
29.71	•	TC-501-JP	11764	IA	-	750	7	
49.17	•	TC-502	10502	IA	25	250	10	
49.17	•	TC-502-JP	11766	IA	-	500	10	
93.88	•	TC-503	10503	IA	20	200	14	
164.73	•	TC-504	10504	IA	-	25	28	
223.85	•	TC-505	10505	IA	-	25	36	
300.27	•	TC-506	10506	IA	-	20	50	
687.59	•	TC-507	10507	IA	-	12	83	
827.66	•	TC-508	10508	IA	-	12	108	
1001.52	•	TC-509	10509	IA	-	6	133	
1236.28	•	TC-510	11510	IA	-	6	150	
32.68	•	TC-511	10511	IA	50	500	7	
32.68	•	TC-511-JP	11767	IA	-	700	7	
51.91	•	TC-512	10512	IA	25	250	12	
51.91	•	TC-512-JP	11768	IA	-	350	12	
93.59	•	TC-513	10513	IA	20	100	19	
164.01	•	TC-514	10514	IA	-	25	32	
232.85	•	TC-515	10515	IA	-	25	40	
310.99	•	TC-516	10516	IA	-	20	55	
587.89	•	TC-517	10517	IA	-	12	83	
664.68	•	TC-518	10518	IA	-	12	100	
770.58	•	TC-519	10519	IA	-	6	150	
886.88	•	TC-520	10520	IA	-	6	167	

Distributor Cost per 100		Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
47.35	•	TC-601	10601	IA	50	500	9	
84.61	•	TC-602	10602	IA	25	250	14	
139.46	•	TC-603	10603	IA	10	100	24	
230.43	•	TC-604	10604	IA	-	25	40	
323.63	•	TC-605	10605	IA	-	20	65	
480.80	•	TC-606	10606	IA	-	10	100	
1031.35	•	TC-607	10607	IA	-	12	116	
1276.21	•	TC-608	10608	IA	-	12	142	
1719.15	•	TC-609	10609	IA	-	6	216	
1953.64	•	TC-610	10610	IA	-	6	216	
74.56	•	TC-611	10611	IA	50	500	11	
96.23	•	TC-612	10612	IA	25	250	18	
159.11	•	TC-613	10613	IA	10	100	31	
278.58	•	TC-614	10614	IA	-	25	60	
415.02	•	TC-615	10615	IA	-	20	76	
533.61	•	TC-616	10616	IA	-	10	65	
1304.65	•	TC-617	10617	IA	-	12	142	
1543.58	•	TC-618	10618	IA	-	12	192	
2248.18	•	TC-619	10619	IA	-	6	233	
2446.47	•	TC-620	10620	IA	-	6	267	
501.85	•	TC-75	37675	IA	10	50	46	C
47.53	•	TCI-501	20501	IA	50	500	7	
70.44	•	TCI-502	20502	IA	25	250	10	
131.88	•	TCI-503	35041	IA	20	200	14	
247.34	•	TCI-504	35042	IA	-	25	28	
316.71	•	TCI-505	20505	IA	-	25	36	
425.52	•	TCI-506	20506	IA	-	20	50	
1312.77	•	TCI-507	20507	IA	-	12	83	
1550.34	•	TCI-508	20508	IA	-	12	108	
1981.63	•	TCI-509	20509	IA	-	6	133	
2200.55	•	TCI-510	20510	IA	-	6	150	
60.21	•	TCI-601	35043	IA	50	500	9	
110.98	•	TCI-602	20602	IA	25	250	14	
172.56	•	TCI-603	20603	IA	10	100	24	
305.18	•	TCI-604	20604	IA	-	25	40	
393.78	•	TCI-605	20605	IA	-	20	65	
577.73	•	TCI-606	20606	IA	-	10	100	
2630.96	•	TCI-607	20607	IA	-	12	116	
2548.43	•	TCI-608	20608	IA	-	12	142	
3396.52	•	TCI-609	20609	IA	-	6	216	
3696.46	•	TCI-610	20610	IA	-	6	216	
4.53	•	TH-1801	31801	IA	50	500	3	C
6.90	•	TH-1802	31802	IA	50	500	4	C
11.34	•	TH-1803	31803	IA	25	250	6	C
13.83	•	TH-1804	31804	IA	-	50	8	C
18.09	•	TH-1805	31805	IA	-	50	10	C
25.42	•	TH-1806	31806	IA	-	50	14	B
37.86	•	TH-1807	31807	IA	-	50	24	B
54.13	•	TH-1808	31808	IA	-	25	28	C
63.37	•	TH-1809	31809	IA	-	25	36	C
67.18	•	TH-1810	31810	IA	-	20	40	C
3.53	•	TH-1901	31901	IA	100	1000	2	C
4.61	•	TH-1902	31902	IA	50	500	3	C
6.24	•	TH-1903	31903	IA	25	250	4	C
13.03	•	TH-1904	31904	IA	-	50	6	C
14.27	•	TH-1905	35044	IA	-	50	8	C
21.18	•	TH-1906	31906	IA	-	50	12	C
168.73	•	THL-500	22550	IA	10	100	26	B
196.61	•	THL-500G	22835	IA	10	100	27	C
173.35	•	THL-750	22775	IA	5	50	34	A
196.61	•	THL-750G	22840	IA	5	50	36	C
126.61	•	TN-50	29350	IA	25	250	11	B
344.99	•	TPC-100	40300	IA	5	25	52	C

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Distributor Cost per 100		Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
1082.06	•	TPC-125	40325	IA	5	25	120	C
1261.17	•	TPC-150	40350	IA	5	25	128	C
2052.60	•	TPC-200	40400	IA	5	20	175	B
3738.06	•	TPC-250	40425	IA	-	10	260	C
5682.73	•	TPC-300	40450	IA	-	10	310	B
9153.19	•	TPC-350	40475	IA	-	5	460	C
11678.13	•	TPC-400	40500	IA	-	5	540	B
184.41	•	TPC-50	40250	IA	20	100	19	C
239.85	•	TPC-75	40275	IA	10	50	30	B
206.76	•	TWL-50	10590	IA	25	100	20	B
266.54	•	TWL-75	10600	IA	10	100	30	C
230.47	•	UF-50	10650	IA	25	100	11	A
268.15	•	UF-75	10651	IA	25	100	18	C
194.24	•	WC-1004	35045	IA	10	50	34	C
194.24	•	WC-1006	11006	IA	10	50	34	C
194.24	•	WC-1008	11008	IA	10	50	34	C
304.56	•	WC-1252	11252	IA	-	50	52	A
304.56	•	WC-1252N	12252	IA	-	50	52	B
304.56	•	WC-1253	11253	IA	-	50	52	B
471.72	•	WC-1501	11501	IA	-	10	90	B
471.72	•	WC-1502	11502	IA	-	10	90	B
471.72	•	WC-1503	11503	IA	-	10	90	C
517.29	•	WC-2001	12201	IA	-	10	90	B
517.29	•	WC-2002	12002	IA	-	10	90	B
517.29	•	WC-2003	12003	IA	-	10	90	B
531.25	•	WC-2004	12004	IA	-	10	90	A
531.25	•	WC-2004N	12204	IA	-	10	80	B
809.52	•	1050	21050	IA	-	10	90	B
1573.18	•	1053	21053	IA	-	5	160	B
678.46	•	1069-N	32069	IA	-	12	50	C

Distributor Cost per 100		Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
496.53	•	1070	31070	IA	-	25	140	B
718.68	•	1070-N	32070	IA	-	12	50	B
530.93	•	1071	31071	IA	-	25	140	C
853.07	•	1071-N	32071	IA	-	12	50	C
853.07	•	1072-N	32072	IA	-	12	67	C
595.23	•	1401	21401	IA	-	20	160	B
574.86	•	1402	21402	IA	-	50	74	B
25.36	•	1702	21702	IA	50	500	4	B
14.96	•	1703	21703	IA	100	1000	2	C
11.63	•	1704	21704	IA	100	1000	2	C
33.91	•	1710	21710	IA	25	250	9	C
35.07	•	1740	21740	IA	25	250	10	B
8.03	•	1801	21801	IA	50	500	4	B
11.99	•	1802	21802	IA	25	250	6	C
19.68	•	1803	21803	IA	20	200	9	B
26.87	•	1804	21804	IA	10	100	15	C
38.11	•	1805	21805	IA	10	100	19	C
43.51	•	1806	21806	IA	-	50	26	B
124.76	•	1807	21807	IA	-	30	47	C
150.96	•	1808	21808	IA	-	25	56	C
207.09	•	1809	21809	IA	-	10	70	C
260.75	•	1810	21810	IA	-	10	80	C
4.73	•	1901	21901	IA	100	1000	2.7	B
4.71	•	1901-JP	11769	IA	-	1500	3	B
7.32	•	1902	21902	IA	50	500	2.1	B
7.29	•	1902-JP	11770	IA	-	1000	4	B
12.06	•	1903	21903	IA	25	250	6	A
17.80	•	1904	21904	IA	20	200	11	C
30.29	•	1905	21905	IA	10	100	14	C
34.67	•	1906	21906	IA	-	50	18	B

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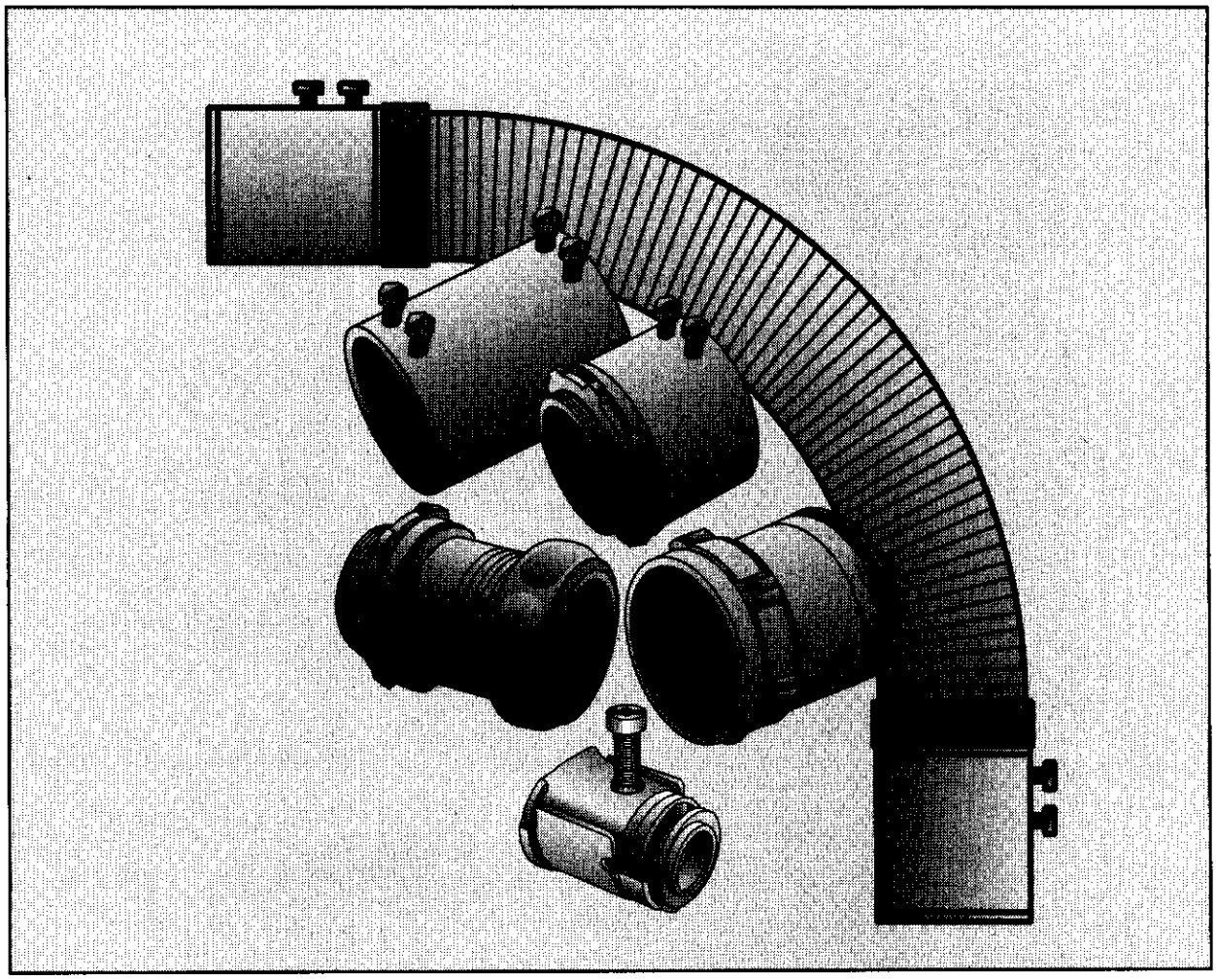
ETP Steel Fittings

Distributor Net Price List



EGS Electrical Group ETP

SB DIN 268

Distributor Cost per 100	Catalog Number	UIC Item No. 687855-	Cat. Sect.	Std. Ctn. Qty.	Std. Pkg. Qty.	Wt. per 100	Inventory Code
71.64	• 4050S	84601	FA	25	250	10	A
71.64	• 4050S-JP	11772	FA	-	500	10	A
96.26	• 4050ST	84603	FA	25	250	10	A
116.89	• 4075S	84606	FA	20	200	15	A
116.89	• 4075S-JP	11779	FA	-	400	15	A
155.52	• 4075ST	84608	FA	20	200	15	A
208.44	• 4100S	84611	FA	20	100	23	A
257.31	• 4100ST	84613	FA	20	100	23	A
338.96	• 4125S	84616	FA	10	40	42	B
406.72	• 4125ST	84618	FA	10	40	42	B
562.78	• 4150S	84621	FA	10	40	53	B
693.35	• 4150ST	84623	FA	10	40	53	B
788.27	• 4200S	84626	FA	5	20	75	B
968.93	• 4200ST	84628	FA	5	20	75	B
2410.51	• 4250S	84631	FA	-	10	138	C
4137.79	• 4250ST	84633	FA	-	10	138	C
2874.93	• 4300S	84636	FA	-	5	230	C
5133.74	• 4300ST	84637	FA	-	5	230	C
3767.94	• 4350S	84638	FA	-	5	250	C
6896.24	• 4350ST	84639	FA	-	5	250	C
4321.01	• 4400S	84641	FA	-	5	290	C
7521.87	• 4400ST	84643	FA	-	5	290	C
467.89	• 4QS-100	12058	FE	5	25	32	A
568.63	• 4QS-100T	12059	FE	5	25	32	A
814.86	• 4QS-125	12060	FE	5	25	44	B
894.38	• 4QS-125T	12061	FE	5	25	44	B
1160.77	• 4QS-150	12063	FE	4	20	110	B
1274.94	• 4QS-150T	12062	FE	4	20	110	B
2122.29	• 4QS-200	12064	FE	2	10	180	B
2463.25	• 4QS-200T	12065	FE	2	10	180	B
231.71	• 4QS-38	12017	FE	25	100	10	A
251.86	• 4QS-38T	12053	FE	25	100	10	A
1004.51	• 4QS-4100	12072	FE	5	25	64	A
1189.88	• 4QS-4100T	12073	FE	5	25	64	A
1668.85	• 4QS-4125	12074	FE	2	10	124	B
1762.98	• 4QS-4125T	12075	FE	2	10	124	B
2915.96	• 4QS-4150	12076	FE	2	10	180	B
2157.80	• 4QS-4150T	12077	FE	2	10	180	B
2936.07	• 4QS-4200	12078	FE	2	10	300	B
3242.76	• 4QS-4200T	12079	FE	2	10	300	B
343.64	• 4QS-438	12066	FE	20	100	24	A
416.40	• 4QS-438T	12068	FE	20	100	24	A
343.64	• 4QS-450	12067	FE	10	50	28	A
416.40	• 4QS-450T	12069	FE	10	50	28	A
535.05	• 4QS-475	12070	FE	10	50	42	A
629.07	• 4QS-475T	12071	FE	10	50	42	A
231.71	• 4QS-50	12054	FE	25	100	13	A
251.86	• 4QS-50T	12055	FE	25	100	13	A
319.01	• 4QS-75	12056	FE	10	50	18	A
362.67	• 4QS-75T	12057	FE	10	50	18	A
1064.51	• 4QS-9100	12086	FE	5	25	68	A
1189.88	• 4QS-9100T	12087	FE	5	25	68	A
1668.85	• 4QS-9125	12088	FE	5	10	132	B
1747.31	• 4QS-9125T	12089	FE	5	10	132	B
2015.96	• 4QS-9150	12090	FE	5	10	200	B
2157.80	• 4QS-9150T	12091	FE	5	10	200	B
2936.07	• 4QS-9200	12092	FE	2	10	300	B
3216.90	• 4QS-9200T	12093	FE	2	10	300	B
343.64	• 4QS-938	12080	FE	20	100	26	A
416.40	• 4QS-938T	12081	FE	20	100	26	A
343.64	• 4QS-950	12082	FE	10	50	26	A
416.40	• 4QS-950T	12083	FE	10	50	26	A
535.05	• 4QS-975	12084	FE	10	50	26	A
629.07	• 4QS-975T	12085	FE	10	50	26	A
95.14	• 5050S	85101	FA	25	250	10	A
95.14	• 5050S-JP	11783	FA	-	500	10	A
143.51	• 5075S	85106	FA	20	200	16	A
143.51	• 5075S-JP	11784	FA	-	300	16	A
224.95	• 5100S	85111	FA	20	100	25	A
448.89	• 5125S	85116	FA	10	40	45	B
658.33	• 5150S	85121	FA	10	40	60	B
875.70	• 5200S	85126	FA	5	20	82	B
1978.73	• 5250S	85131	FA	-	10	160	C
2251.87	• 5300S	85136	FA	-	5	213	C
2806.36	• 5350S	85138	FA	-	5	260	C
2862.16	• 5400S	85141	FA	-	5	300	C
153.35	• 6050S	86699	FB	25	250	19	A
212.18	• 6075S	86704	FB	20	200	25	A
328.94	• 6100S	86709	FB	20	100	39	A
584.89	• 6125S	86714	FB	5	25	88	B
862.73	• 6150S	86719	FB	5	25	104	B
1161.89	• 6200S	86724	FB	2	10	149	B
4363.45	• 6250S	86810	FB	-	10	240	C
5474.61	• 6300S	86830	FB	-	5	350	C
6641.41	• 6350S	86835	FB	-	5	475	C
8028.88	• 6400S	86850	FB	-	5	600	C
124.25	• 7050S	87299	FB	25	250	15	A
153.35	• 7050ST	87304	FB	25	250	15	A
174.25	• 7075S	87309	FB	25	250	21	A
212.02	• 7075ST	87314	FB	25	250	21	A
273.98	• 7100S	87319	FB	20	100	32	A
340.68	• 7100ST	87324	FB	20	100	32	A
534.85	• 7125S	87329	FB	5	25	72	B
694.28	• 7125ST	87334	FB	5	25	72	B
768.83	• 7150S	87339	FB	5	25	85	B
1083.17	• 7150ST	87344	FB	5	25	85	B
1125.58	• 7200S	87349	FB	2	10	124	B
1565.99	• 7200ST	87354	FB	2	10	124	B
3595.49	• 7250S	87420	FB	-	10	160	C
4578.81	• 7250ST	87430	FB	-	10	160	C
4643.21	• 7300S	87460	FB	-	5	265	C
7027.80	• 7300ST	87470	FB	-	5	265	C
7306.32	• 7350S	87474	FB	-	5	425	C
11166.68	• 7350ST	87475	FB	-	5	425	C
7472.22	• 7400S	87500	FB	-	5	600	C
11386.14	• 7400ST	87510	FB	-	5	600	C
77.24	• AMC-50	07832	KA	50	500	-	-
77.24	• AMC-50-JP	11774	KA	-	500	10	A
116.41	• AMC-5075	07909	KA	25	250	-	-
116.41	• AMC-52	07834	KA	25	250	-	-
116.41	• AMC-75	07835	KA	25	250	-	-
3707.38	• FLA-125-C	11856	FC	-	1	310	A
3265.15	• FLA-125-CC	11850	FC	-	1	310	A
3265.15	• FLA-125-CT	11967	FC	-	1	301	A
3148.74	• FLA-125-S	11516	FC	-	1	292	A
2971.14	• FLA-125-SS	11762	FC	-	1	292	A
2971.14	• FLA-125-ST	11968	FC	-	1	292	A
4084.52	• FLA-150-C	11858	FC	-	1	420	A
3746.47	• FLA-150-CC	11852	FC	-	1	420	A
3746.47	• FLA-150-CT	11970	FC	-	1	406	A
3521.65	• FLA-150-S	11860	FC	-	1	394	A
3189.69	• FLA-150-SS	11854	FC	-	1	394	A
3189.69	• FLA-150-ST	11969	FC	-	1	394	A
4084.52	• FLA-200-C	10242	FC	-	1	550	A
3946.84	• FLA-200-CC	10248	FC	-	1	550	A
3946.84	• FLA-200-CT	11972	FC	-	1	550	A

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3870.72	• FLA-200-S	10247	FC	-	1	450	A
3409.55	• FLA-200-SS	10244	FC	-	1	450	A
3409.55	• FLA-200-ST	11971	FC	-	1	450	A
6726.19	• FLA-250-C	10251	FC	-	1	830	A
6136.53	• FLA-250-CC	10252	FC	-	1	830	A
6373.59	• FLA-250-S	10249	FC	-	1	950	A
5822.87	• FLA-250-SS	10250	FC	-	1	950	A
8254.10	• FLA-300-C	10255	FC	-	1	1650	A
7520.93	• FLA-300-CC	10256	FC	-	1	1650	A
7374.30	• FLA-300-S	10253	FC	-	1	1350	A
8641.12	• FLA-300-SS	10254	FC	-	1	1350	A
10959.58	• FLA-350-C	10259	FC	-	1	2050	A
9953.28	• FLA-350-CC	10260	FC	-	1	2050	A
9310.78	• FLA-350-S	10257	FC	-	1	1700	A
8304.48	• FLA-350-SS	10258	FC	-	1	1700	A
11959.17	• FLA-400-C	10262	FC	-	1	2450	A
10798.40	• FLA-400-CC	10264	FC	-	1	2450	A
10610.34	• FLA-400-S	10261	FC	-	1	2050	A
9451.82	• FLA-400-SS	10263	FC	-	1	2050	A

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EGS ETP

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Raychem splices

Features and benefits: Polymeric splices

Superior long-term performance
Even in the harshest environments, Raychem cable splices are ideal for the following direct-burial and manhole applications: copper tape, wire shield, UniShield, LC-shield, PILC, and jacketed/unjacketed URD cables. The splices not only match the requirements of cable test specifications but also meet or exceed the requirements of IEEE-404. Throughout the world, Raychem's splices are meeting the needs of industrial, utility, and mining customers with outstanding performance and reliability.

Positive moisture sealing and high abrasion-resistance
Internal moisture seals protect the cable from water that may enter the cable through a damaged jacket outside of the splice area. In addition, the adhesive-lined rejacketing sleeve provides a moisture-resistant seal that is field-tested and superior to interference fits. Underwater cyclic aging tests per ANSI C119.1-1986 and IEEE 404 specifications confirm this. In addition, the outer jacket is superior to tape in abrasion resistance and cannot unravel or fray.

Polymeric wye and H-tap splices produce dependable, watertight seals between the main and tap cable(s)—with no taping.

Fast, consistent installations
Simple heat-shrinking techniques reduce installation time and training. Pre-engineered kits help to ensure consistent performance while minimizing potential installation errors.

Unique repair splices
Specially designed to speed URD cable repair, Raychem's URD repair splices reduce cable preparation and required excavation space, thus minimizing total repair costs. With Raychem's superior heat-shrink adhesive system, Raychem splices reliably seal fault-deformed cables. In addition, one splice repair kit may replace two conventional splices for most repairs.

A sealant-coated outer jacket on Raychem's high-voltage splices provides a moisture-resistant seal for direct burial.

Heat-shrink components of Raychem's high-voltage splice kits install quickly and uniformly.

Raychem splice

Features and benefits: Polymeric splices

All cable splices must rebuild these critical cable functions:

- Electrical stress control
- Insulation and semiconductive layer
- Shielding and grounding
- Environmental and mechanical protection

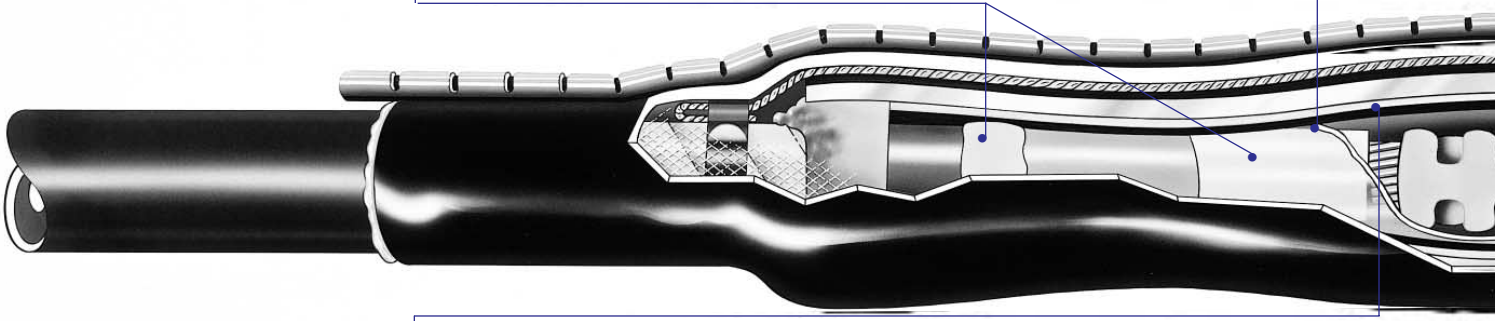
The typical Raychem splice—based on heat-shrink technology, specialized materials, and pre-engineered designs—delivers reliable performance.

A close look at one of our polymeric cable splices shows how each component draws on Raychem's technical excellence and field experience to rebuild every function of the cable.

Electrical Stress Control

Stress relief material
Minimizes stress around the connector and at the shield cutback.

Heat-shrinkable stress control tubing
- Reduces electrical stress to safe operating levels.
- Delivers long-term, stable electrical performance.



Insulation and Semiconductive Layer

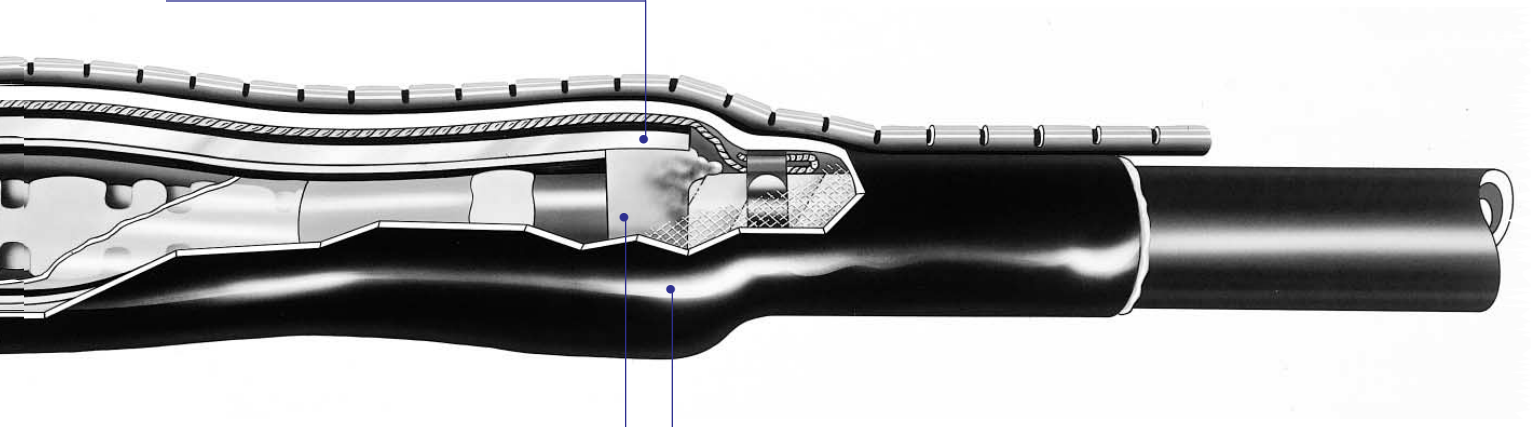
Heat-shrinkable dual-layer insulation/conductive tube
Delivers consistent insulation thickness without field measurements, in a factory-engineered system.

- Outer conductive layer reconstructs the cable's insulation shield.
- Inner insulating wall provides insulation thickness to meet or exceed that of the cable.
- Both layers are factory-bonded to help ensure a void-free interface between the insulation and shield.

Grounding and Shielding*

- Ground braid provides continuity across the splice.
- Ground clamp provides secure grounding without soldering.
- Shielding mesh surrounds the splice for personnel protection.

*Grounding components not included with URD cable splices.



Moisture Sealing and Mechanical Protection

Moisture sealant
Internal moisture seal inhibits migration of moisture even on cables with jacket damage.

Heat-shrinkable adhesive-lined wraparound jacket
- Heat-activated adhesive promotes a positive moisture seal between the cable and splice.
- Tough, crosslinked polyolefin materials provide impact- and abrasion-resistance.

Raychem splices

Features and benefits: PILC splices

Positive, consistent oil stop
Unlike other oil stops, Raychem's unique system combines heat-shrinkable, high-temperature oil barrier tubing and oil-blocking stress relief material (SRM) to avoid splice failures due to oil leakage.

Long-term reliability
Both the component materials and the complete splices have undergone rigorous, long-term test programs, including pressurized load-cycling to maximum cable system overload temperatures.

Elimination of lead sleeve failures
Moisture is the worst enemy of PILC cable systems. A major source of leakage problems is cracking of lead sleeves and wipes due to cable flexing or corrosion. Raychem's design replaces these components with heavy-duty, heat-shrinkable jacketing and adhesive seals, so moisture problems are minimized.

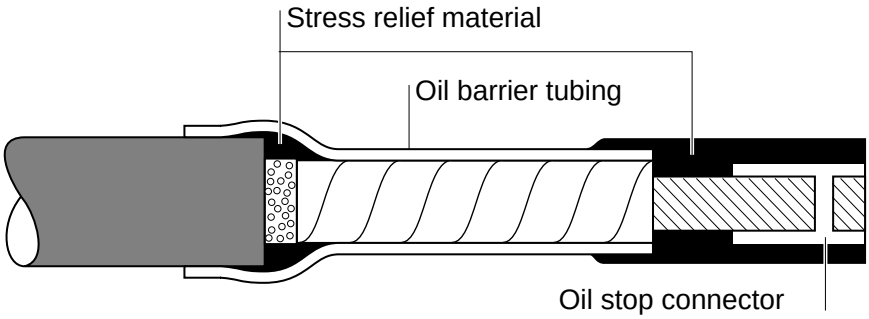
Field-tested performance
Since Raychem "converts" the PILC cable to a "polymeric equivalent," all Raychem designs can then use the effective components found in our plastic cable splices. For more than a decade, these products have compiled an excellent service history in more than a million installations worldwide.

Easy, consistent installations
By "converting" the PILC cable to a "polymeric equivalent," these Raychem kits eliminate compound-filling and difficult lead-wiping. Also, heat-shrinking means no time-consuming insulation, stepping or penciling, hand taping, and stress cone building.

Reduced installation and training time
You get on and off the job site quicker. There's no lead-wiping, no compound pouring, and no waiting for "cool downs" and "top-ups."

Time and cost are drastically reduced, with users reporting installation cost savings of up to 75 percent.*

Raychem's unique oil barrier system combines heat-shrinkable, high-temperature oil-barrier tubing with oil-blocking, stress-relief mastics to avoid splice failures due to oil leakage.



To produce a simple, field-tested oil stop system, Raychem splices utilize high-temperature oil barrier tubing and oil-blocking stress relief material.

Features and benefits: PILC splices

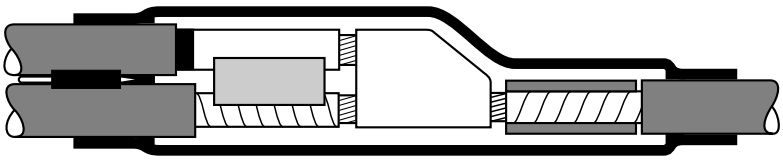
Easy to install wye splices

Raychem's PILC wye splices produce watertight seals between the main and tap cable with no tedious, complex taping. The simple construction does not require lead wiping, so installation is fast and easy. These splices are versatile, accommodating both PILC-to-PILC and PILC-to-polymeric constructions.

Breakout seal
Heat-activated sealants combine with heat-shrinkable components to produce a field-tested moisture-resistant system for the critical branch breakout area.

Intercable insulation
A soft (pliant) preformed profile conforms tightly to the cable surfaces upon shrinking. This provides insulation in the area between the main and branch (or tap) cable.

PILC wye splices are found on page 3-38.



Positive oil stop systems for 3/C cables

Raychem provides a highly effective and easily installed oil stop system, using standard heat-shrinkable components:

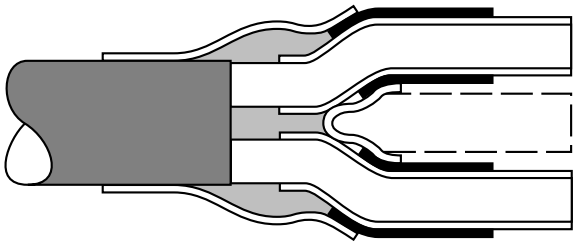
Adhesive-lined, conductive breakout
- Converts the 3/C cable into three 1/C cables.
- Provides an oil- and pressure-resistant seal.
- Grounds the conductive tubing to the lead sheath.

Oil blocking stess relief material
- During shrinking, the material softens and conforms around the individual conductors forming an oil-resistant seal.
- Provides electrical stress relief between the insulated conductors on belted cable.

Conductive tubing
- Reshields the individual insulated conductors.

Oil barrier tubing
- Locks the oil in the PILC cables, converting each conductor to a polymeric equivalent.

3/C PILC splices are found on page 3-36.



Features and benefits: Elastomeric technology

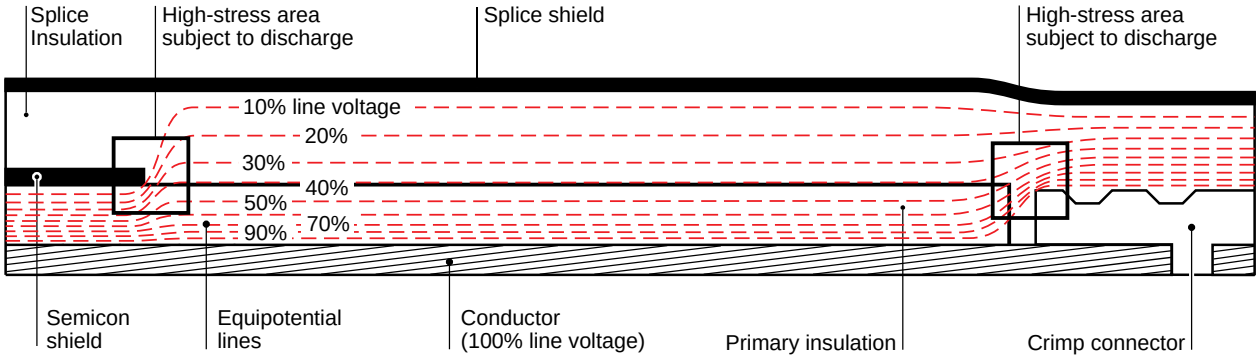
Elastomeric technology
The elastomeric splice component is supplied in an expanded form. In this form the heat-shrinkable outer wall holds the insulating layer at a wide diameter. Application of heat causes the outer wall to shrink, allowing the insulating layer to contract at the same time and closely fit the splice. The rubber-like characteristics of the material enable the splice to follow the thermally induced dimensional changes of the cable insulation.

The elastic memory of the material helps to ensure that the correct insulation-wall thickness is obtained for the defined application range of the component.

Stress control

Cable splice without stress control

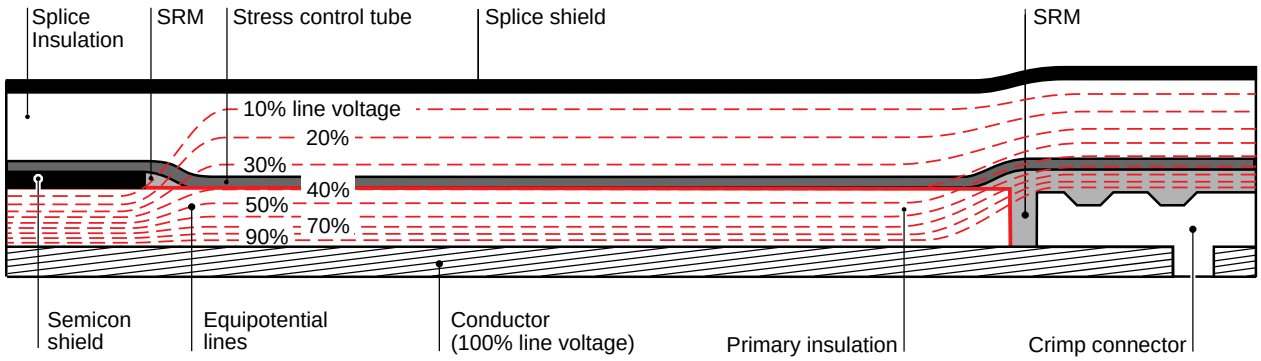
The figure below shows a computer-simulated plot of electrical stress in a splice without stress control. Areas of high stress exist near the edge of the semicon and connector as shown by the concentrations of equipotential lines. These high stresses must be lowered to prevent premature insulation damage and splice failures.



Cable splice with Raychem's unique stress control system

Raychem's stress control system controls the distribution of the electrical field in the splice. The equipotential lines are distributed uniformly, reducing the stresses within the splice to levels required for longer service life. This is achieved by the unique resistive and capacitive properties of the heat-shrinkable tubing and stress relief material (SRM).

Raychem's stress control materials reduce stress through their electrical properties rather than the geometry of the splice or correct positioning of a Faraday cage. Stress cone buildup is diminished, resulting in a slim, compact splice and significantly decreasing splice installation time.



Polymeric and URD splices

Test and performance data for polymeric and URD splices

To help provide long-term reliability and durability, Raychem splices have been subjected to extensive testing in both the laboratory and actual field environments. The kits are factory-designed and tested to meet cable system requirements, as summarized in the table below. Test levels are drawn from relevant sections of existing industry standards, including the following:

- IEEE 404
- IEEE 593-1990
- ANSI C119.1-1986
- ANSI/IEEE 386-1985
- AEIC CS5-1987
- AEIC CS6-1987

	Raychem product and voltage class				
Test description	HVS-8XX (5–8 kV)	HVS-15XX (15 kV)	HVS-25XX[1] (25 kV)	HVS-35XX (35 kV)	EHVS-69XX (46/69 kV)
Partial discharge (min. kV) for 3 pC or less	7	13	22	30	60
AC withstand, 1 min (kV)	23	35	52	69	120
AC withstand, 1 hr (kV)	35	53	78	104	N/A
AC withstand, 5 hr (kV)	23	35	52	69	100 (6 hr)
DC withstand, 15 min (kV)	45	70	100	125	240
Impulse withstand 1.2 x 50 µs (crest kV)	95	110	150	200	350
Water sealing properties[2]	Pass	Pass	Pass	Pass	

[1]Also meets requirements of 25/28-kV systems.
[2]Refer to EDR-5101, “A Survey of the Water Sealing Properties of Raychem Heat-Shrinkable Splices” (9/7/83) for testing details.

Recommended guide specification for polymeric and URD splices (5–35 kV)

Please feel free to use the following in your design specification:

Power cable splices for nonshielded or shielded solid dielectric cable and unjacketed or jacketed URD (concentric neutral) cable shall be factory-engineered kits that rebuild the primary cable insulation, shielding and grounding systems, and outer jacket equivalent to that of the original cable.

When assembled on cable, the splice shall be capable of passing the electrical test requirements of IEEE-404 and the water immersion tests of ANSI C119.1-1986.

Splices shall be of a uniform-cross-section, heat-shrinkable polymeric construction utilizing an impedance-layer stress control tube and high-dielectric-strength insulating layers.

The outer insulating layer shall be bonded to a conducting layer for shielding. The splice shall be rejacketed with a heat-shrinkable adhesive-lined sleeve to provide a waterproof seal.

The splice shall accommodate a range of cable sizes and be completely independent of cable manufacturer’s tolerances. Splices shall be capable of being properly installed on out-of-round cable per relevant ICEA and AEIC standards. Kits shall accommodate a range of commercially available connectors.

Splices for armored cables shall provide a means of reinstating the armor over the span of the installed splices.

Wye splices shall include a sealant profile to seal the area between the branch and the main cable.

The splice manufacturer shall provide a test report demonstrating compliance with the above requirements.

Splices shall be manufactured by Raychem Corporation or approved equal.

PILC splices

Test and performance data for PILC splices

Raychem PILC splices are fully engineered to provide a long, trouble-free service life. They are factory-designed and tested to meet PILC cable system requirements, as summarized in the table below.

Test levels are drawn from relevant sections of existing industry standards, including those that follow:

- IEEE 404 (power cable splices)
- IEEE 48-1990 (terminations)
- AEIC-1-1968 (paper cable)
- AEIC-CS5-1982 (XLPE cable)
- AEIC-CS6-1982 (EPR cable)
- ANSI C119.1-1986 (sealed insulated underground connection system)

	Voltage class		
Test	15 kV	25 kV	35 kV
Electrical			
AC withstand test, 6 hours	36 kV	53 kV	77 kV
DC withstand test, 15 minutes	55 kV	75 kV	100 kV
Impulse withstand (BIL) 1.2 x 50 µs	110 kV	150 kV	200 kV
Load cycle/pressure			
Current load cycling[1,2] cycles of 5 hours heating, 3 hours cooling to conductor temperature of 110°C with applied overvoltage and maximum continuous internal oil pressure; no breakdown, oil leakage	Pass	Pass	Pass
Maximum continuous internal oil pressure	15 psig	15 psig	15 psig
Maximum continuous conductor temperature[2]	90°C	90°C	90°C
Maximum overload conductor temperature[2]	110°C	110°C	110°C
Sealing			
Winter immersion outer jacketing system	ANSI C119.1	ANSI C119.1	ANSI C119.1
Proof test on oil blocking system: Raychem test method—no oil diffusion[3]	Pass	Pass	Pass

[1]Not applicable to live end seals,
[2]Maximum continuous/emergency conductor temperature for wye splices: 70°C.
[3]Test methods discussed in IEEE paper 84 T&D 340-6, "The extension of heat-shrinkable components for use with 1/C transition and paper cable splices," by Mackevich, et al.

Recommended guide specification for PILC splices (15–35 kV)

Please feel free to use the following in your design specification:

Splices shall be factory-manufactured kits to suit the specific type and size of the cables to be spliced.

The electric field distribution in the splice shall be controlled by a heat-shrinkable tubing having a complex impedance when energized with an AC voltage. A dual-wall tubing with a co-extruded outer conductive layer to form a void-free interface between the insulation and shield shall be used.

Kits shall be factory-engineered to contain all necessary materials, except connector, and provide an oil block and oil seal, electrical stress control, insulation, shielding, and environmental sealing. The kit shall allow for external grounding. Major kit components shall be heat-shrinkable.

The splice insulation shall not require a lead sleeve, lead wipe, or any kind of filling.

The splice manufacturer shall provide a test report, upon request, demonstrating that the splice performance is equivalent to the cables per relevant sections of IEEE-404, AEIC-1-1968. Splices shall be load cycled with 15-psig internal oil pressure at 2.5x rated line-to-ground voltage at 110°C emergency overload rating. Splices shall also be subjected to a voltage withstand test sequence per listed standards.

Wye splices on PILC cable shall be tested to the requirements of ANSI C119.1-1986. The test shall demonstrate the mechanical integrity, water sealing, and electrical properties of the outer jacket system.

Splices shall be manufactured by Raychem Corporation or approved equal.

Nonshielded polymeric cable splices

Rated to meet the applicable portions of IEEE 404.

HVS/HVSA

HVS-500, HVS-3-500, HVSA-3-500 splices for 1/C and 3/C in-line cable, including armored (5 kV)

Description

Raychem's nonshielded cable splices provide high abrasion-resistance and a positive environmental seal. These kits accommodate both jacketed and unjacketed cable.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-500	1/C nonshielded power cable						
HVS-501	#6–#1	0.40–0.70 (10–18)	0.80 (20)	0.65 (17)	3.0 (76)	10 (254)	22 (559)
HVS-502	1/0–300	0.65–1.05 (17–27)	1.20 (30)	1.00 (25)	4.0 (102)	11 (279)	24 (610)
HVS-503	350–1000	0.95–1.65 (24–42)	1.85 (47)	1.85 (47)	6.0 (152)	15 (381)	30 (762)
HVS-3-500	3/C nonshielded power cable—no armor						
HVS-3-501	#6–#1	0.40–0.70 (10–18)	3.00 (76)	0.65 (17)	3.0 (76)	32 (812)	40 (1016)
HVS-3-502	1/0–300	0.65–1.05 (17–27)	3.00 (76)	1.00 (25)	4.0 (102)	40 (1016)	48 (1219)
HVS-3-503	350–1000	0.95–1.65 (24–42)	3.95 (100)	1.85 (47)	6.0 (152)	48 (1219)	56 (1422)
HVSA-3-500	3/C nonshielded power cable—armored						
HVSA-3-501	#6–#1	0.40–0.70 (10–18)	3.00 (76)	0.65 (17)	3.0 (76)	40 (1016)	48 (1219)
HVSA-3-502	1/0–300	0.65–1.05 (17–27)	3.00 (76)	1.00 (25)	4.0 (102)	40 (1016)	48 (1219)
HVSA-3-503	350–1000	0.95–1.65 (24–42)	3.95 (100)	1.85 (47)	6.0 (152)	52 (1321)	60 (1524)

Ordering information

1. Select the appropriate catalog number. Selections are based on 100%-insulated cables (manufactured in accordance with dimension data contained in ICEA S-66-524), and commonly used connectors. Nominal insulation thickness (100%): 110 mils.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. HVS-SHIM kits are available if the diameter of one of your cables is not within the standard range. Refer to page 3-51.

4. Kits do not contain connectors; order compression or solder connectors separately.

5. Standard package:
   HVS-500: Three 1/C kits/box.
   HVS-3-500: One 3/C kit/box.
   HVSA-3-500: One 3/C kit/box.

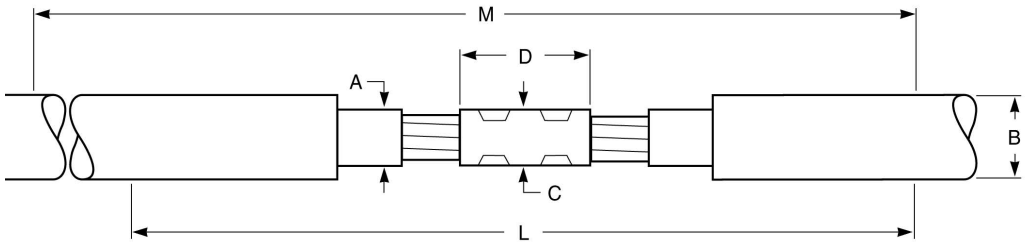
6. For an off-the-shelf 3/C splice alternative, select three appropriate 5-kV single-conductor kits from page 3-10 and one HVS-3/C accessory kit (unarmored) from page 3-18 or one HVSA accessory kit (armored cables) from page 3-22.

7. Related test reports: EDR-5096.

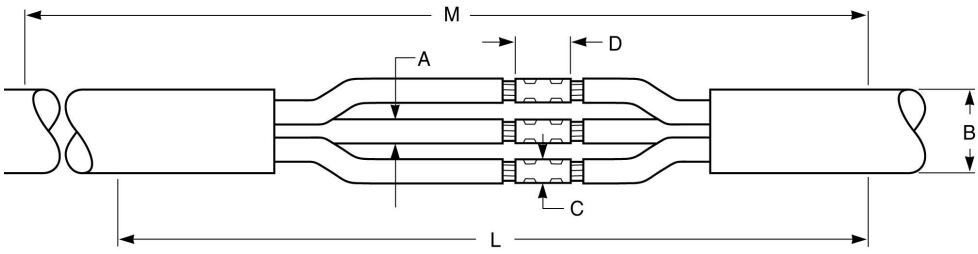
   Related Installation Instructions
   HVS-500

Reference dimensions

HVS-500



HVS-3-500 and HVSA-3-500



Nonshielded polymeric cable splices

Qualified to ANSI C119.1-1986.

For splicing 3/C polymeric, armored (corrugated or interlocked-type) power and control cables (600–1000 V).

LVSA-3

Splices for 3/C armored cable (1000 V)

Description

The LVSA-3 kit features a wrap-around, heat-shrinkable, adhesive-coated outer sleeve that significantly reduces the installation space required and protects the splice from corrosion and moisture.

The kit also includes a low-profile wraparound armor case that is simple to install and requires no compound or resin filling.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size range (AWG/kcmil)	Cable O.D. (min.–max.)	Maximum connector length
LVSA-3-1	#6–#2	0.60–1.50 (15–38)	3.50 (89)
LVSA-3-2	#1–4/0	0.90–2.20 (23–56)	4.00 (102)
LVSA-3-3	250–500	1.20–3.00 (30–76)	5.00 (127)
LVSA-3-4	600–1000	1.50–3.80 (38–97)	7.00 (178)

Ordering information

1. Select the appropriate catalog number. Selections are based on 1000 V-rated cables.
2. Kits do not contain connectors; please order them separately.
3. Standard package: One 3/C kit/box.
4. Related test reports: EDR-5098.

Related Installation Instructions
LVSA-3
LVSA-3-4

Nonshielded polymeric cable splices

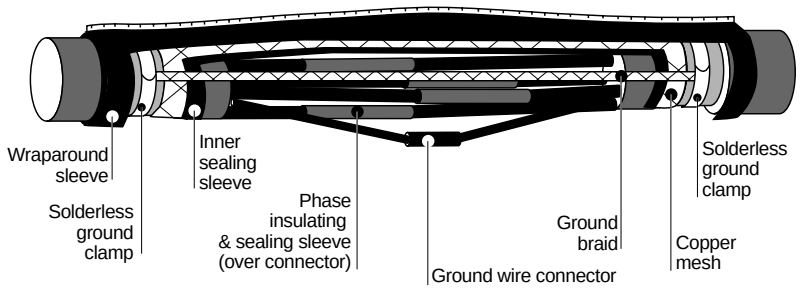
CSA certified to C22.2, No. 198.2.

For use on 1/C and 4/C 1000-V Teck cable and 3/C 5-kV Teck cable.

TECK

Splices for teck cable (1000 V–5 kV)

Description



Designed specifically for TECK power cable, Raychem TECK splice kits are easy to install and are ideal for underground and cable tray applications. The splice is protected from moisture and mechanical damage by two layers of adhesive-lined WCSM heavy-wall tubing and one layer of CRSM wraparound sleeve.

Raychem TECK kits offer the following features and benefits:
- Positive environmental sealing
- Complete grounding and bonding
- Fast, easy installation
- Slim profile
- CSA certificaton

Selection information (dimensions in inches/millimeters)

Catalog number	Nominal cable range	Insulation diameter range	Inner jacket diameter range	Outer jacket diameter range	Maximum connector length	Splice installed length
Low-voltage 1/C						
TECK-10	#6-#1 AWG	0.30-0.50" (10-15mm)	0.40-0.80" (10-20mm)	0.70–1.10" (20–30mm)	2.0" (50mm)	22.0" (560mm)
TECK-11	1/0-3/0 AWG	0.45–0.70" (10-20mm)	0.65-0.90" (15-25mm)	1.00–1.15" (25–30mm)	3.5" (90mm)	22.0" (256mm)
TECK-12	4/0–350 MCM	0.60-0.90" (15-25mm)	0.80-1.10" (20-30mm)	1.10–1.45" (30–35mm)	5.0" (125mm)	25.0" (635mm)
TECK-13	400–750MCM	0.80-1.20" (20-30mm)	1.10–1.50" (30-40mm)	1.40–1.80" (35-45mm)	7.5" (190mm)	29.0" (735mm)
TECK-14 (1015mm)	1000–2000 MCM	1.20-2.10" (30-55mm)	1.50-20.40" (40-60mm)	1.90-2.80" (50-70mm)	8.00" (205mm)	40.0"
Low-voltage 4/C						
TECK-41	#14–#4		0.50–1.20" (15-30mm)	0.70-1.45" (20-35mm)	2.00" (50mm)	25" (650mm)
TECK-42	#2–3/0		1.00-1.70" (25-45mm)	1.30-2.10" (35-55mm)	3.00" (75mm)	25" (650mm)
TECK-43	4/0–400		1.50-2.50" (40-65mm)	2.00-3.00" (50-70mm)	4.00" (100mm)	40" (1015mm)
TECK-44	500–1000		2.00-3.50" (50-90mm)	2.50-4.00" (65-100mm)	6.50" (165mm)	40" (1015mm)
5-kV unshielded 3/C						
TECK-531	#2–4/0	0.40–0.75" (10–20mm)	1.20–2.00" (30–50mm)	1.50–2.40" (40–60mm)	3.50" (90mm)	40" (1015mm)
TECK-532	250–750	0.65–1.20" (15–30mm)	1.80–3.00" (45–75mm)	2.20–3.25" (55–85mm)	6.00" (150mm)	48" (1220mm)

Ordering information

1. Select the appropriate catalog number based on cable size. Confirm selection with dimensions to assure proper sizing.
2. Kits do not contain connectors or lugs; you must order them separately. Installed connector or lug diameter must be within use range.
3. CSA certification applies only to applications up to 1000 V.
4. Standard package: 1 kit/box.
5. Related test report:
   1000 V: EDR-5194

Related Installation Instructions
TECK-10
TECK-40
TECK-530

Shielded polymeric cable splices

Rated to IEEE 404.

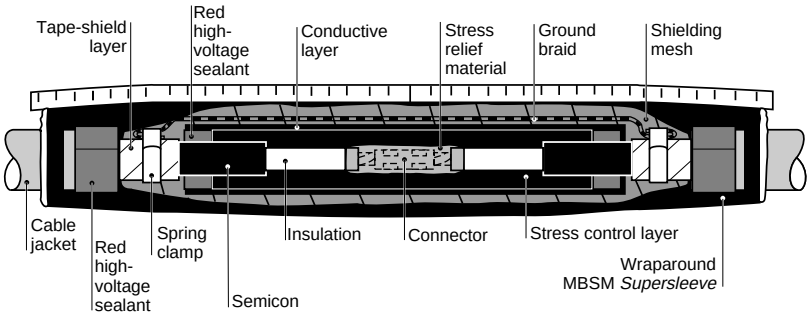
For use on copper tape, wire shield, lead sheath, and UniShield cables.

Some kits contain tube for outer layer.

HVS in-line splices

HVS-820S, HVS-1520S, HVS-1520S-W, HVS-2520S, HVS-3520S splices for 1/C shielded cable (5–35 kV)

Description



Raychem's heat-shrinkable shielded power cable splices are pre-engineered to offer a compact, low-profile installation with a minimum diameter buildup.

All kits contain a solderless grounding kit, consisting of a ground clamp, a solder-blocked ground braid, and a shielding mesh.

The heat-shrink feature allows the kits to accommodate out-of-round, out-of-spec cable.

Selection information (dimensions in inches/millimeters)

Catalog number	5 kV conductor size (AWG/kcmil)	8 kV conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions		Kit installed length L	Required installation space M
					Max. O.D. C	Max. length D		
HVS-820S (5–8 kV)								
HVS-821S	#6–2/0*	#6–#2	0.35–0.65 (9–17)	0.80 (20)	0.50 (13)	3.0 (76)	24 (610)	44 (1118)
HVS-822S	3/0–300*	#1–4/0	0.55–0.90 (14–23)	1.15 (29)	0.75 (19)	4.25 (108)	24 (610)	45 (1143)
HVS-823S	350–750*	250–350	0.80–1.25 (20–32)	1.80 (46)	1.10 (28)	6.0 (152)	27 (686)	50 (1270)
HVS-824S	1000–1500*	500–750	1.00–1.60 (25–41)	2.30 (58)	1.45 (37)	8.0 (203)	30 (762)	56 (1422)
HVS-825S		750–1000	1.30–2.25 (33–57)	2.45 (62)	1.85 (47)	8.0 (203)	30 (762)	56 (1422)

*See Ordering Information (#3) on next page.

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions		Kit installed length L	Required installation space M
				Max. O.D. C	Max. length D		
HVS-1520S (15 kV)							
HVS-1521S	#2–4/0**	0.65–1.05 (17–27)	1.25 (32)	0.90 (23)	4.25 (108)	27 (686)	54 (1372)
HVS-1522S	250–350	0.90–1.30 (23–33)	1.50 (38)	1.15 (29)	5.5 (140)	28 (711)	56 (1422)
HVS-1523S	500–750**	1.10–1.60 (28–41)	1.85 (47)	1.60 (41)	8.0 (203)	30 (762)	59 (1499)
HVS-1524S	750–1000	1.25–1.80 (32–46)	2.10 (53)	1.85 (47)	8.0 (203)	34 (864)	67 (1702)
HVS-1525S	1250–2000	1.60–2.50 (41–64)	2.80 (71)	2.40 (61)	8.0 (203)	40 (1016)	74 (1880)

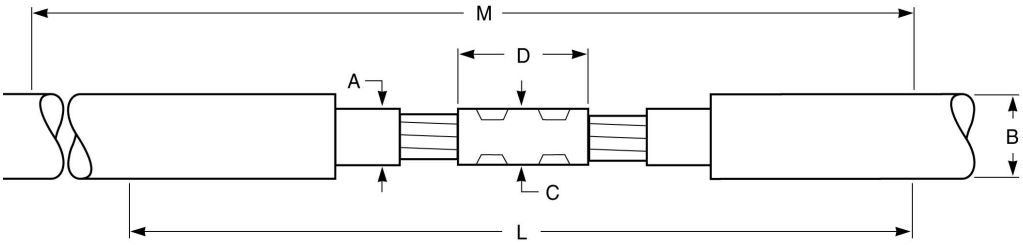
**See Ordering information (#1) on next page.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-1520S-W	(15 kV with wraparound rejacketing sleeve)						
HVS-1521S-W	#2–4/0**	0.65–1.05 (17–27)	1.25 (32)	0.90 (23)	4.25 (108.)	28 (711)	39 (990)
HVS-1522S-W	250–350	0.90–1.30 (23–33)	1.50 (38)	1.15 (29)	5.50 (140)	28 (711)	40 (1016)
HVS-1523S-W	500–750**	1.10–1.60 (28–41)	1.85 (47)	1.60 (41)	8.00 (203)	30 (762)	45 (1143)
HVS-1524S-W	750–1000	1.25–1.80 (32–46)	2.10 (53)	1.85 (47)	8.00 (203)	34 (864)	49 (1244)
HVS-1525S-W	1250–2000	1.60–2.50 (41–64)	2.80 (71)	2.40 (61)	11.00 (279)	40 (1016)	54 (1371)
HVS-2520S	(25 kV)						
HVS-2521S	#1–250	0.90–1.20 (23–31)	1.50 (38)	1.10 (28)	4.0 (102)	40 (1016)	56 (1422)
HVS-2522S	350–500	1.20–1.50 (31–38)	1.95 (50)	1.35 (34)	6.0 (152)	40 (1016)	60 (1524)
HVS-2523S	750–1000	1.50–1.80 (38–46)	2.40 (61)	1.85 (47)	8.0 (203)	40 (1016)	62 (1575)
HVS-3520S	(35 kV)						
HVS-3521S	1/0–3/0	0.95–1.35 (24–34)	1.55 (39)	1.00 (25)	4.0 (102)	40 (1016)	53 (1346)
HVS-3522S	4/0–600	1.20–1.70 (31–43)	2.10 (53)	1.50 (38)	6.0 (152)	44 (1118)	62 (1575)
HVS-3523S	600–1000	1.55–2.15 (39–55)	2.80 (71)	1.85 (47)	10.0 (254)	44 (1118)	67 (1702)

**See Ordering information (#1) below.

Reference dimensions



Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables (manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987), and commonly used connectors.

   Nominal insulation thickness (100%):
   5 kV: 90 mils.
   8 kV: 115 mils.
   15 kV: 175 mils.
   25 kV: 260 mils.
   35 kV: 345 mils.
   Nominal insulation thickness (133%):
   15 kV: 220 mils.

**Check the jacket O.D. on the 15-kV, 133%-insulated 4/0 and 750-kcmil cables to ensure they fall within the use range specified. If you have any questions, contact your Raychem sales engineer or representative.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

*3. If using 5/8-kV (115-mil) cable, use 8-kV selection.

4. HVS-SHIM kits are available if the diameter of one of your cables is not within the standard range (refer to page 3-51).

5. Kits do not contain connectors; order compression or solder connectors separately.

6. If external grounding and/or shield interrupting is required, order an HVS-EG kit from page 3-53.

7. Standard package: 1 kit/box.

8. Related test reports:
   HVS: 5-8 kV: EDR-5181
   15 kV: EDR-5114
   25 kV: EDR-5150
   25–35 kV: EDR-5197
   HVS-1520S-W: EDR-5225.

Related Installation Instructions
HVS-820S HVS-1520S HVS-1520S-W
HVS-2520S HVS-2520S-W

Rated to IEEE 404.

For use on copper tape, wire shield, lead sheath, and UniShield cables.

HVS-3 in-line splices

HVS-3-820S, HVS-3-1520S, HVS-3-2520S splices for 3/C shielded cable (5–25 kV)

Selection information (dimensions in inches/millimeters)

Catalog number	5 kV conductor size (AWG/kcmil)	8 kV conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (min.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-3-820S	(5–8 kV)							
HVS-3-821S	#6–2/0*	#6–#2	0.35–0.65 (9–17)	0.90 (23)	0.50 (13)	3.0 (76)	40 (1016)	50 (1270)
HVS-3-822S	3/0–300*	#1–4/0	0.55–0.90 (14–23)	1.30 (33)	0.75 (19)	4.25 (108)	48 (1219)	58 (1473)
HVS-3-823S	350–750*	250–350	0.80–1.25 (20–32)	1.30 (33)	1.10 (28)	6.0 (152)	48 (1219)	58 (1473)
HVS-3-824S	1000–1500*	500–750	1.00–1.60 (25–41)	1.55 (39)	1.45 (37)	8.0 (203)	59 (1499)	69 (1753)
HVS-3-825S		750–1000	1.30–2.25 (33–57)	1.55 (39)	1.85 (47)	8.0 (203)	59 (1499)	69 (1753)

*See Ordering Information (#3) on next page.

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (min..) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-3-1520S	(15 kV)						
HVS-3-1521S	#2–4/0	0.65–1.05 (17–27)	1.30 (33)	0.90 (23)	4.25 (108)	48 (1219)	56 (1422)
HVS-3-1522S	250–350	0.90–1.30 (23–33)	1.55 (39)	1.15 (29)	5.5 (140)	52 (1321)	60 (1524)
HVS-3-1523S	500–750	1.10–1.60 (28–41)	1.55 (39)	1.60 (41)	8.0 (203)	59 (1499)	67 (1702)
HVS-3-1524S	750–1000	1.25–1.80 (32–46)	2.40 (61)	1.85 (47)	8.0 (203)	63 (1600)	71 (1803)
HVS-3-2520S	(25 kV)						
HVS-3-2521S	#1–250	0.90–1.20 (23–31)	1.65 (42)	1.10 (28)	4.0 (102)	63 (1600)	71 (1803)
HVS-3-2522S	350–500	1.20–1.50 (31–38)	1.65 (42)	1.35 (34)	6.0 (152)	67 (1702)	75 (1905)
HVS-3-2523S	750–1000	1.50–1.80 (38–46)	2.50 (64)	1.85 (47)	8.0 (203)	72 (1829)	80 (2032)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables (manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987) and commonly used connectors.

   Nominal insulation thickness (100%):
   5 kV: 90 mils.
   8 kV: 115 mils.
   15 kV: 175 mils.
   25 kV: 260 mils.
   Nominal insulation thickness (133%):
   15 kV: 220 mils.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

*3. If using 5/8-kV (115-mil) cable, use 8-kV selection.

4. For an off-the-shelf 3/C splice alternative, select three appropriate single-conductor kits from page 3-14 and 3-15 and one HVS-3/C accessory kit from page 3-18.

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5. Kits do not contain connectors; order compression or solder connectors separately.

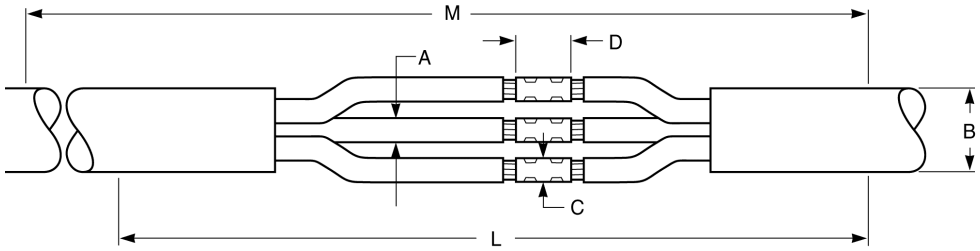
6. If external grounding and/or shield interrupting is required, order an HVS-EG-3 kit from page 3-53.

7. Standard package: 1 kit/box.

8. Related test reports:
   5/8 kV: EDR-5181
   15 kV: EDR-5114
   25 kV: EDR-5048
   25–35 kV: EDR-5197

   Related Installation Instructions
   HVS-3-820S HVS-3-1520S
   HVS-3-2520S

Reference dimensions



Shielded polymeric cable splices

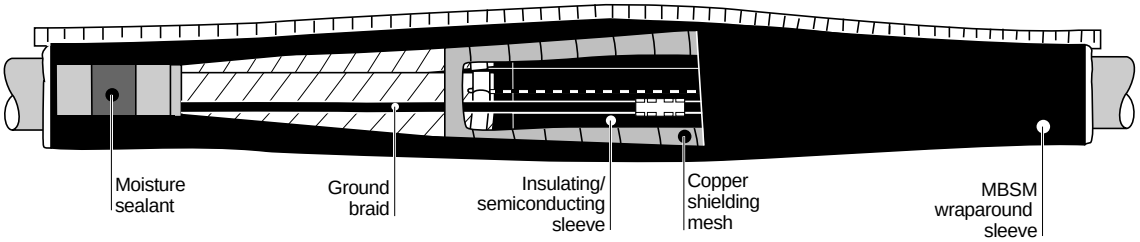
HVS-3/C kits are off-the-shelf alternatives for rejacketing 3/C extruded dielectric (XLPE- or EPR-insulated) power cables.

For use with three 1/C Raychem splice kits, each HVS-3/C kit contains all materials needed to convert three 1/C splices into one 3/C splice.

HVS-3/C mod kits

For rejacketing 3/C shielded or nonshielded cable (5–35 kV)

Description



Designed for use with three 1/C splice kits, each HVS-3/C kit contains a rejacketing wraparound sleeve and sealant strips to complete your 3/C splice.

The MBSM wraparound sleeve provides environmental sealing, mechanical strength, and durability. The sealing mastic provides a secondary seal to protect against damage from water entering the splice region.

Because just four sizes are able to rejacket a broad range of cable sizes from 5–25 kV, the HVS-3/C series kits allow complete inventory flexibility.

Selection information (dimensions in inches/millimeters)

Splice reference dimensions

For a 3/C splice using three of these 1/C kits:		Order this HVS-3/C kit:	Conductor size range (AWG/kcmil)	Insulation diameter	Installed length	Required installation space
HVS-501		HVS-3/C-1	#6–#1	0.40–0.70 (10–18)	40 (1016)	48 (1219)
HVS-502		HVS-3/C-2	1/0–300	0.65–1.05 (17–27)	48 (1219)	56 (1422)
HVS-503		HVS-3/C-2	350–1000	0.95–1.65 (24–42)	48 (1219)	56 (1422)
HVS-821S	(5 kV)	HVS-3/C-1	#6–2/0	0.35–0.65 (9–17)	40 (1016)	48 (1219)
	(8 kV)	HVS-3/C-1	#6–2/0	0.35–0.65 (9–17)	40 (1016)	48 (1219)
HVS-822S	(5 kV)	HVS-3/C-2	3/0–300	0.55–0.90 (14–23)	48 (1219)	56 (1422)
	(8 kV)	HVS-3/C-2	#1–4/0	0.55–0.90 (14–23)	48 (1219)	56 (1422)
HVS-823S	(5 kV)	HVS-3/C-2	350–750	0.80–1.25 (20–32)	48 (1219)	56 (1422)
	(8 kV)	HVS-3/C-2	250–350	0.80–1.25 (20–32)	48 (1219)	56 (1422)
HVS-824S	(5 kV)	HVS-3/C-3	1000–1500	1.00–1.60 (25–41)	60 (1524)	68 (1727)
	(8 kV)	HVS-3/C-3	500–750	1.00–1.60 (25–41)	60 (1524)	68 (1727)
HVS-825S	(8 kV)	HVS-3/C-3	750–1000	1.30–2.25 (33–47)	60 (1524)	68 (1727)
HVS-1521S		HVS-3/C-3	#2–4/0	0.65–1.05 (17–27)	60 (1524)	68 (1727)
HVS-1522S		HVS-3/C-3	250–350	0.90–1.30 (23–33)	60 (1524)	68 (1727)
HVS-1523S		HVS-3/C-4	500–750	1.10–1.60 (28–41)	72 (1829)	80 (2032)
HVS-1524S		HVS-3/C-4	750–1000	1.25–1.80 (32–46)	72 (1829)	80 (2032)
HVS-2521S		HVS-3/C-4	#1–250	0.90–1.20 (23–31)	60 (1524)	68 (1727)
HVS-2522S		HVS-3/C-4	350–500	1.20–1.50 (31–38)	72 (1829)	80 (2032)
HVS-2523S		HVS-3/C-4	750–1000	1.50–1.80 (38–46)	72 (1829)	80 (2032)

Selection information (dimensions in inches/millimeters)

For a 3/C splice using three of these 1/C kits:	Order this HVS-3/C kit:	Splice reference dimensions			
		Conductor size range (AWG/kcmil)	Insulation diameter	Installed length	Required installation space
HVS-3521S	HVS-3/C-4	1/0–3/0	0.95–1.35 (24–34)	72 (1829)	80 (2032)
HVS-3522S	HVS-3/C-4	4/0–600	1.20–1.70 (30–43)	81 (2057)	89 (2261)
HVS-3523S	HVS-3/C-4	600–1000	1.55–2.15 (39–55)	81 (2057)	89 (2261)

Ordering information

1. Select the appropriate HVS-3/C kit based on the three 1/C kits used for the application (see table above). One HVS-3/C kit will rejacket one 3/C splice.

   You will find 1/C splice kits on the following pages:
   page 3-10: HVS-500 (5 kV)
   pages 3-14 and 3-15:
   —HVS-820S (8 kV)
   —HVS-1520S (15 kV)
   —HVS-2520S (25 kV)
   —HVS-3520S (35 kV)

2. Nominal conductor size range for the 1/C splice kits is based on the typical dimensions of 100%- and 133%-insulated cables manufactured in accordance with the data contained in AEIC CS5-1987, as well as the dimensions of commonly used connectors.

3. Minimum 3/C cable jacket O.D.:
   HVS-3/C-1 0.65” (17mm)
   HVS-3/C-2 1.30” (33mm)
   HVS-3/C-3 1.80” (46mm)
   HVS-3/C-4 2.15” (55mm)

4. Standard package: 1 kit/box.

Related Installation Instructions
HVS-3/C

Shielded polymeric cable splices

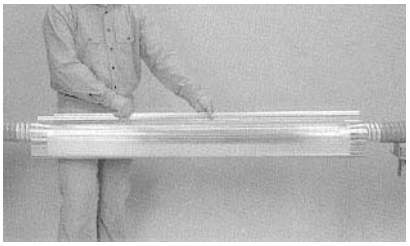
Rated to IEEE 404.

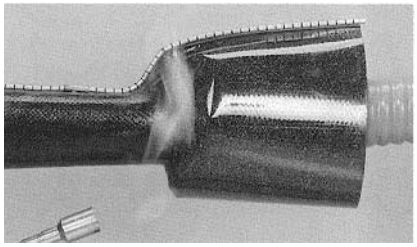
For use on interlock armor, CLX, and Teck cables.

HVSA-3

HVSA-3-820S, HVSA-3-1520S in-line splices for 3/C armored shielded cable (5–15 kV)

Description





Raychem's armored splice kits include an interlocking steel armoring wrap-around with bendable fingers to provide a smooth transition to the armor. The heat-shrinkable, wraparound outer jacket provides abrasion and corrosion protection.

Selection information (dimensions in inches/millimeters)

Catalog number	5 kV conductor size (AWG/kcmil)	8 kV conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (min.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVSA-3-820S (5–8 kV)								
HVSA-3-821S	#6–2/0*	#6–#2	0.35–0.65 (9–17)	0.90 (23)	0.50 (13)	3.0 (76)	48 (1219)	58 (1473)
HVSA-3-822S	3/0–300*	#1–4/0	0.55–0.90 (14–23)	1.30 (33)	0.75 (19)	4.25 (108)	48 (1219)	58 (1473)
HVSA-3-823S	350–750*	250–350	0.80–1.25 (20–30)	1.55 (39)	1.10 (28)	6.0 (152)	59 (1499)	69 (1753)
HVSA-3-824S	1000–1500*	500–750	1.00–1.60 (25–41)	1.55 (39)	1.45 (37)	8.0 (203)	63 (1600)	73 (1854)
HVSA-3-825S		750–1000	1.30–2.25 (33–57)	2.40 (61)	1.85 (47)	8.0 (203)	67 (1702)	77 (1956)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (min.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVSA-3-1520S (15 kV)							
HVSA-3-1521S	#2–4/0	0.65–1.05 (17–27)	1.55 (39)	0.90 (23)	4.25 (108)	59 (1499)	67 (1702)
HVSA-3-1522S	250–350	0.90–1.30 (23–33)	2.40 (61)	1.15 (29)	5.5 (140)	59 (1499)	67 (1702)
HVSA-3-1523S	500–750	1.10–1.60 (28–41)	2.40 (61)	1.60 (41)	8.0 (203)	63 (1600)	71 (1803)
HVSA-3-1524S	750–1000	1.25–1.80 (32–46)	2.40 (61)	1.85 (47)	8.0 (203)	67 (1702)	75 (1905)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987, as well as the dimensions of commonly used connectors.
   Nominal insulation thickness (100%): 5 kV: 90 mils
   8 kV: 115 mils
   15 kV: 175 mils
   Nominal insulation thickness (133%) 15 kV: 220 mils

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

* 3. If using 5/8-kV (115-mil) cable, use 8-kV selection.

4. For an off-the-shelf three-conductor splice alternative, select three appropriate single-conductor kits from page 3-14 and one HVSA armoring accessory kit from page 3-22.

5. Kits do not contain connectors; order compression or solder connectors separately.

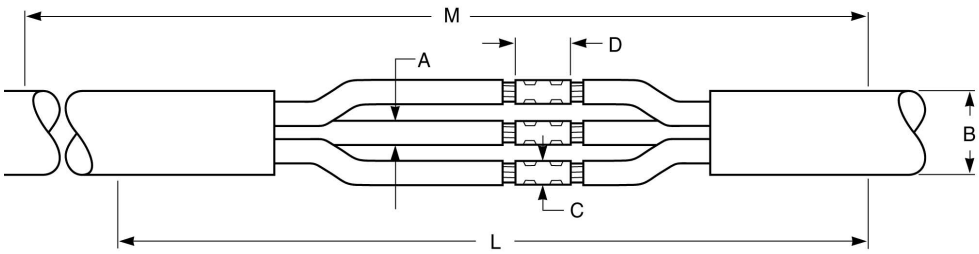
6. If external grounding and/or shield interrupting is required, order HVS-EG-3 kit from page 3-53.

7. Standard package: 1 kit/box.

8. Related test reports:
   5/8 kV: EDR-5181
   15 kV: EDR-5114

   Related Installation Instructions
   HVSA-3-820S HVSA-3-1520S

Reference dimensions



Shielded polymeric cable splices

HVSA mod kits

For rearmoring and rejacketing 3/C armored cable (5–35 kV)

An alternative 3/C armored splicing system that incorporates three 1/C Raychem splices, a wraparound interlocking steel armoring case, and a wraparound sealing sleeve.

Select appropriate 1/C splice kits plus the applicable HVSA kit from the table below.

Selection information (dimensions in inches/millimeters)

Kit selection			Reference dimensions			
For a 3/C splice using three of these 1/C splices:		Order this HVSA armoring kit:	Conductor size range	Insulation diameter	Installed length	Required installation space
HVS-501		HVSA-1	#6–#1	0.40–0.70 (10–18)	48 (1219)	56 (1422)
HVS-502		HVSA-1	1/0–300	0.65–1.05 (17–27)	48 (1219)	56 (1422)
HVS-503		HVSA-2	350–1000	0.95–1.65 (24–42)	55 (1397)	63 (1600)
HVS-821S	(5 kV)	HVSA-1	#6–2/0	0.35–0.65 (9–17)	48 (1219)	56 (1422)
	(8 kV)	HVSA-1	#6–#2	0.35–0.65 (9–17)	48 (1219)	56 (1422)
HVS-822S	(5 kV)	HVSA-2	3/0–300	0.55–0.90 (14–23)	55 (1397)	63 (1600)
	(8 kV)	HVSA-2	#1–4/0	0.55–0.90 (14–23)	55 (1397)	63 (1600)
HVS-823S	(5 kV)	HVSA-2	350–750	0.80–1.25 (20–32)	55 (1397)	63 (1600)
	(8 kV)	HVSA-2	250–350	0.80–1.25 (20–32)	55 (1397)	63 (1600)
HVS-824S	(5 kV)	HVSA-3	1000–1500	1.00–1.60 (25–41)	72 (1829)	80 (2032)
	(8 kV)	HVSA-3	500–750	1.00–1.60 (25–41)	72 (1829)	80 (2032)
HVS-825S	(8 kV)	HVSA-3	750–1000	1.30–2.25 (33–57)	72 (1829)	80 (2032)
HVS-1521S		HVSA-3	#2–4/0	0.65–1.05 (17–27)	72 (1829)	80 (2032)
HVS-1522S		HVSA-3	250–350	0.90–1.30 (23–33)	72 (1829)	80 (2032)
HVS-1523S		HVSA-3	500–750	1.10–1.60 (28–41)	72 (1829)	80 (2032)
HVS-1524S		HVSA-3	750–1000	1.25–1.80 (32–46)	72 (1829)	80 (2032)
HVS-2521S		HVSA-3	#1–250	0.90–1.20 (23–30)	72 (1829)	80 (2032)
HVS-2522S		HVSA-3	350–500	1.20–1.50 (30–38)	72 (1829)	80 (2032)
HVS-2523S		HVSA-4	750–1000	1.50–1.80 (38–46)	81 (2057)	89 (2261)
HVS-3521S		HVSA-3	1/0–3/0	0.95–1.35 (24–34)	72 (1829)	80 (2032)
HVS-3522S		HVSA-4	4/0–600	1.20–1.70 (30–43)	81 (2057)	89 (2261)
HVS-3523S		HVSA-4	600–1000	1.55–2.15 (39–55)	81 (2057)	89 (2261)

Ordering information

1. Select the appropriate HVSA armoring kit based on the three 1/C kits used for the application (see table above). One HVSA kit will armor a 3/C splice. You will find 1/C splice kits on these pages:
   - page 3-10: HVS-500 (5 kV)
   - pages 3-14 and 3-15:
     —HVS-820S (8 kV)
     —HVS-1520S (15 kV)
     —HVS-2520S (25 kV)
     —HVS-3520S (35 kV)
2. Kits do not contain connectors.
3. Nominal conductor size range for the 1/C splice kits is based on the typical dimensions of 100%- and 133%-insulated cables manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987, as well as the dimensions of commonly used connectors.
4. Minimum 3/C cable jacket O.D.:
   HVSA-1 0.65”(17mm)
   HVSA-2 1.30”(33mm)
   HVSA-3 1.80”(46mm)
   HVSA-4 2.15”(55mm)
5. Standard package: 1 kit/box.

Related Installation Instructions
HVSA Mod

Shielded polymeric cable splices

For use on wire shield, wire metallic tape shield, and metallic sheathed power cables.

EHVS

In-line splices for 1/C shielded cable (46 and 69 kV)

Description

A complete line of splice kits for conductor sizes ranging from 4/0–2500 kcmil.

Raychem sizes the EHVS splice to your application. You simply fill out an EHVS information sheet (available from your Raychem representative). Based on the information you provide (conductor size, insulation diameter, and jacket dimensions), Raychem will machine a connector to fit your cable and supply you with a kit containing both the connector and the EHVS splice (EHVS-6910 to -6920) for your cable.

The 69-kV splice incorporates a connector that allows large cross sections to be joined without special tools, heat treatment, or filing off after installation, thus reducing outage time.

Ordering information

1. Because Raychem sizes the splice to your particular application, please contact your local Raychem representative for the appropriate part number to order. To help us supply the correct product; the following information is required: conductor size, insulation diameter, and jacket dimensions.
2. Each splice comes supplied with a shear bolt connector manufactured to your cable dimensions.
3. Standard package: 1 kit/box.
4. Related test report:
   46/69 kV: PPR-1010
   EDR-5228

Related Installation Instruction
EHVS

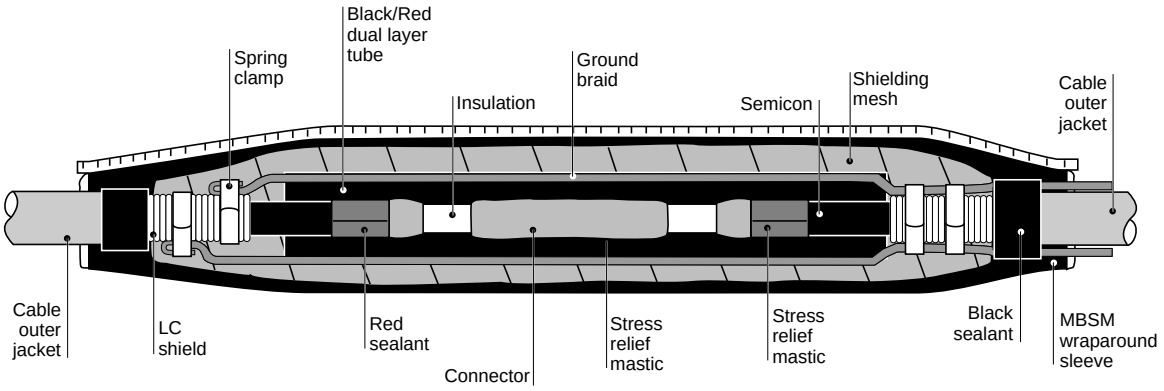
Rated to IEEE 404.

For use on LC shield cable.

HVS-LC

HVS-1530-LC, HVS-2530-LC, HVS-3530-LC splice kits for 1/C in-line cable (15–35 kV)

Description



HVS-LC kits feature a metal laminated wraparound rejacketing sleeve that reduces moisture-vapor transmission. This tough sleeve also protects the splice from coincidental abrasion, back fill, and handling damage.

Ground connections are made using stainless steel clamps and tinned copper braid. The ground connections have been tested to multiple reclosed faults in excess of 13-kA rms without damage. They have been designed to withstand fault current duty of 10-kA rms for 100 cycles.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions		Kit installed length L	Required installation space M
				Max. O.D. C	Max. length D		
HVS-1530-LC (15 kV)							
HVS-1531-LC	#2–2/0	0.65–0.95 (16–24)	1.30 (33)	0.75 (19)	4.0 (102)	30 (762)	35 (889)
HVS-1532-LC	4/0–400	0.85–1.30 (22–33)	1.65 (42)	1.25 (32)	5.5 (140)	34 (864)	38 (965)
HVS-1533-LC	500–600	1.10–1.50 (28–38)	1.90 (48)	1.45 (37)	6.0 (152)	34 (864)	40 (1016)
HVS-1534-LC	750–1000	1.30–1.90 (33–48)	2.30 (58)	1.85 (47)	8.0 (203)	40 (1016)	45 (1143)

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions		Kit installed length L	Required installation space M
				Max. O.D. C	Max. length D		
HVS-2530-LC (25 kV)							
HVS-2531-LC	#1–250	0.90–1.20 (23–30)	1.55 (39)	1.10 (28)	4.00 (102)	36 (914)	48 (1219)
HVS-2532-LC	350–500	1.20–1.50 (30–38)	1.95 (50)	1.35 (34)	6.00 (152)	37 (940)	50 (1270)
HVS-2533-LC	750–1000	1.50–1.80 (38–46)	2.40 (61)	1.85 (47)	8.00 (203)	39 (991)	54 (1372)
HVS-3530-LC (35 kV)							
HVS-3531-LC	1/0–3/0	0.95–1.35 (29–34)	1.55 (39)	1.00 (25)	4.00 (102)	40 (1016)	52 (1321)
HVS-3532-LC	4/0–500	1.30–1.70 (33–43)	2.10 (53)	1.60 (41)	5.50 (140)	40 (1016)	58 (1473)
HVS-3533-LC	750–1000	1.65–2.15 (42–55)	2.80 (71)	1.85 (47)	8.00 (203)	48 (1219)	64 (1626)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables (manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987) and commonly used connectors.

   Nominal insulation thickness (100%):
   15 kV: 175 mils.
   25 kV: 260 mils.
   35 kV: 345 mils.
   Nominal insulation thickness (133%):
   15 kV: 220 mils.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

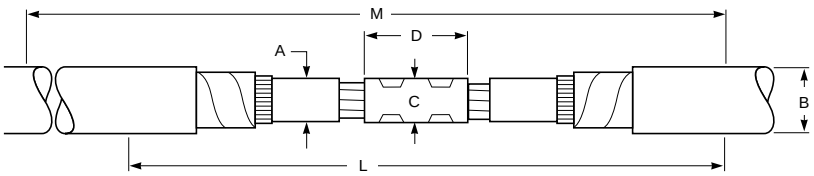
4. HVS-LC kits are supplied with two pieces of braid to provide fault-current carrying capacity over the splice. User should verify compatibility of supplied braids to application on LC shield cable.

5. Standard package: 1 kit/box.

6. Related test reports:
   15 kV: EDR-5174
   25 kV: EDR-5150
   35 kV: EDR-5157

   Related Installation Instructions
   HVS-1530-LC HVS-2530-LC
   HVS-3530-LC

Reference dimensions



URD cable splices

Rated to IEEE 404 and RUS listed.

For use on unjacketed concentric neutral cable.

HVS

HVS-1510S, HVS-2510E, HVS-3510S in-line splices for 1/C unjacketed concentric neutral cable (15–35 kV)

Description

Raychem heat-shrinkable splices are ideally suited for URD cables because they:

- Provide superior moisture systems that avoid moisture-caused breakdowns by sealing out external moisture and water in conductor strands.
- Offer superior thermal and mechanical performance.
- Require no adapters for conductor-size transitions.
- Have RUS approval.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-1510S (15 kV)						
HVS-1511S	#2–2/0	0.65–0.95 (16–24)	0.75 (19)	4.0 (102)	14 (356)	37 (940)
HVS-1512S	4/0–400	0.85–1.30 (22–33)	1.25 (32)	5.5 (140)	15 (381)	38 (965)
HVS-1513S	500–800	1.10–1.70 (28–43)	1.75 (44)	6.0 (152)	17 (432)	41 (1041)
HVS-1514S	750–1000	1.30–1.90 (33–48)	1.85 (47)	8.0 (203)	19 (483)	45 (1143)
HVS-2510E (25 kV)						
HVS-2511E	#1–250	0.90–1.20 (23–30)	1.10 (28)	3.75 (95)	20 (508)	47 (1194)
HVS-2512E	350–500	1.20–1.50 (30–38)	1.35 (34)	6.0 (152)	24 (610)	54 (1372)
HVS-2513E	750–1000	1.50–1.80 (35–46)	1.85 (47)	8.0 (203)	25 (635)	60 (1524)
HVS-3510S (35 kV)						
HVS-3511S	1/0–3/0	0.95–1.35 (24–34)	1.00 (25)	5.00 (127)	21 (533)	48 (1219)
HVS-3512S	4/0–750	1.20–1.90 (30–48)	1.60 (41)	8.00 (203)	28 (711)	58 (1473)
HVS-3513S	600–1000	1.55–2.15 (39–55)	1.85 (47)	10.0 (254)	28 (711)	62 (1575)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables (manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987) and commonly used connectors.

   Nominal insulation thickness (100%):
   15 kV: 175 mils.
   25 kV: 260 mils.
   35 kV: 345 mils.
   Nominal insulation thickness (133%):
   15 kV: 220 mils.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

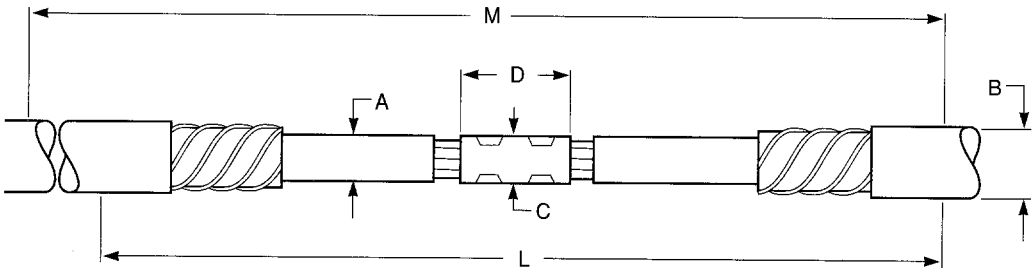
4. If external grounding and/or shield interrupting is required, order an HVS-EG kit from page 3-53.

5. Standard package: 1 kit/box.

6. Related test reports:
   15 kV: EDR-5174
   25 kV: EDR-5150
   35 kV: EDR-5157

   Related Installation Instructions
   HVS-1510S HVS-2510E
   HVS-3510S

Reference dimensions



URD cable splices

Rated to IEEE 404 and RUS listed.

For use on jacketed concentric neutral cable.

HVS-J

HVS-1510S-J, HVS-2510E-J, HVS-3510S-J in-line splices for 1/C jacketed concentric neutral cable (15–35 kV)

Description

Raychem's pre-engineered splice kits provide stress control, rebuild the shielding systems, and restore the primary cable insulation to 133% of the cable's original insulation level.

In addition to the unique internal moisture seal, the SJ/EJ kits feature the MBSM wraparound outer jacket which provides mechanical resistance to abrasion and impact, as well as an external moisture seal.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-1510S-J (15 kV)							
HVS-1511S-J	#2–2/0	0.65–0.95 (16–24)	1.30 (33)	0.75 (19)	4.0 (102)	28 (711)	39 (991)
HVS-1512S-J	4/0–400	0.85–1.30 (22–33)	1.65 (42)	1.25 (32)	5.5 (140)	30 (762)	43 (1092)
HVS-1513S-J	500–600	1.10–1.50 (28–38)	1.90 (48)	1.45 (37)	6.0 (152)	32 (813)	47 (1194)
HVS-1514S-J	750–1000	1.30–1.90 (33–48)	2.30 (58)	1.85 (47)	8.0 (203)	35 (889)	58 (1473)
HVS-2510E-J (25 kV)							
HVS-2511E-J	#1–250	0.90–1.20 (23–30)	1.55 (39)	1.10 (28)	3.75 (95)	40 (1016)	56 (1422)
HVS-2512E-J	350–500	1.20–1.50 (30–38)	1.95 (50)	1.35 (34)	6.0 (152)	48 (1219)	68 (1727)
HVS-2513E-J	750–1000	1.50–1.80 (38–46)	2.40 (61)	1.85 (47)	8.0 (203)	48 (1219)	70 (1778)
HVS-3510S-J (35 kV)							
HVS-3511S-J	1/0–3/0	0.95–1.35 (24–34)	1.55 (39)	1.00 (25)	5.00 (127)	44 (1118)	53 (1346)
HVS-3512S-J	4/0–500	1.20–1.70 (30–43)	2.10 (53)	1.60 (41)	8.00 (203)	48 (1219)	63 (1600)
HVS-3513S-J	600–1000	1.55–2.15 (39–55)	2.80 (71)	1.85 (47)	10.0 (254)	48 (1219)	64 (1626)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables (manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987) and commonly used connectors.

   Nominal insulation thickness (100%):
   15 kV: 175 mils.
   25 kV: 260 mils.
   35 kV: 345 mils.
   Nominal insulation thickness (133%):
   15 kV: 220 mils.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

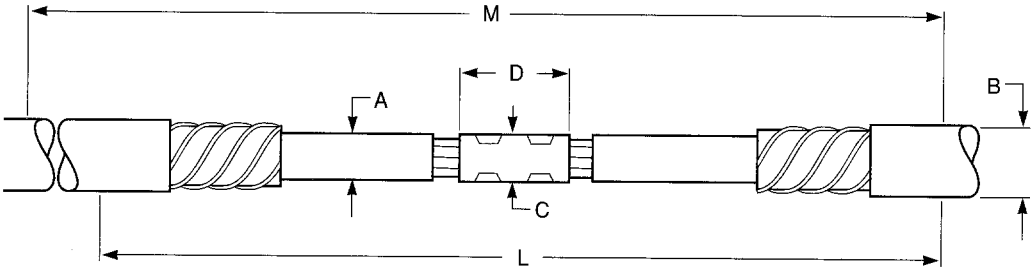
4. If external grounding and/or shield interrupting is required, order an HVS-EG kit from page 3-53.

5. Standard package: 1 kit/box.

6. Related test reports:
   15 kV: EDR-5174
   25 kV: EDR-5150
   35 kV: EDR-5157

   Related Installation Instructions
   HVS-1510S-J HVS-2510E-J
   HVS-3510S-J

Reference dimensions



URD cable splices

Rated to IEEE 404 and RUS listed.

Extra long kit; use with full-tension connector or piece of bare conductor and two connectors to replace short section of damaged cable.

For use on unjacketed and jacketed concentric neutral cable.

HVS-R/RJ

HVS-1510E-R/E-RJ, HVS-2510E-R/E-RJ, HVS-3510S-R
repair splices for 1/C unjacketed and jacketed cable (15–35 kV)

Description

Specially designed to speed URD cable repair, these splice kits reduce both cable preparation and the required excavation space, thus minimizing total repair costs.

In addition, the HVS-R/RJ kits offer the following benefits:
- One kit replaces two conventional splices for most repairs.
- Splices reliably seal on fault-deformed cable.
- Splices allow for extra-long connectors.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Connector dimensions		Kit installed length L	Required installation space M
			Max. O.D. C	Max. length D		
HVS-1510E-R (15 kV unjacketed)						
HVS-1511E-R	#2–3/0	0.65–1.00 (17–25)	0.90 (23)	10.0 (254)	24 (610)	48 (1219)
HVS-1512E-R	4/0–600	0.85–1.50 (22–38)	1.45 (37)	10.0 (254)	24 (610)	48 (1219)
HVS-1514E-R	750–1000	1.30–1.90 (33–48)	1.85 (47)	12.0 (305)	24 (610)	48 (1219)
HVS-2510E-R (25 kV unjacketed)						
HVS-2511E-R	#1–250	0.90–1.20 (23–30)	1.10 (28)	9.0 (229)	28 (711)	59 (1499)
HVS-2512E-R	350–500	1.20–1.50 (30–38)	1.35 (34)	11.0 (279)	30 (762)	64 (1626)
HVS-2513E-R	750–1000	1.50–1.80 (38–46)	1.85 (47)	16.0 (405)	32 (813)	68 (1727)
HVS-3510S-R (35 kV unjacketed)						
HVS-3511S-R	1/0–300	0.95–1.35 (24–34)	1.00 (25)	10 (254)	30 (762)	63 (1600)
HVS-3512S-R	4/0–500	1.20–1.70 (30–43)	1.60 (41)	10 (254)	30 (762)	63 (1600)

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.–max.) A	Jacket O.D. (max.) B	Connector dimensions		Kit installed length L	Required installation space M
				Max. O.D. C	Max. length D		
HVS-1510E-RJ (15 kV jacketed)							
HVS-1511E-RJ	#2–3/0	0.65–1.00 (17–25)	1.35 (34)	0.90 (23)	10.0 (254)	48 (1219)	68 (1727)
HVS-1512E-RJ	4/0–400	0.85–1.30 (22–33)	1.65 (42)	1.25 (32)	10.0 (254)	48 (1219)	68 (1727)
HVS-2510E-RJ (25 kV jacketed)							
HVS-2511E-RJ	#1–250	0.90–1.20 (23–30)	1.55 (39)	1.10 (28)	9.0 (229)	48 (1219)	72 (1829)
HVS-2512E-RJ	350–500	1.20–1.50 (30–38)	2.00 (51)	1.35 (34)	11.0 (279)	48 (1219)	72 (1829)
HVS-2513E-RJ	750-1000	1.50–1.80 (38–45)	2.40 (60)	1.85 (47)	16.0 (400)	52 (1310)	68 (1727)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables (manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987) and commonly used connectors.

   Nominal insulation thickness (100%):
   15 kV: 175 mils.
   25 kV: 260 mils.
   35 kV: 345 mils.
   Nominal insulation thickness (133%):
   15 kV: 220 mils.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

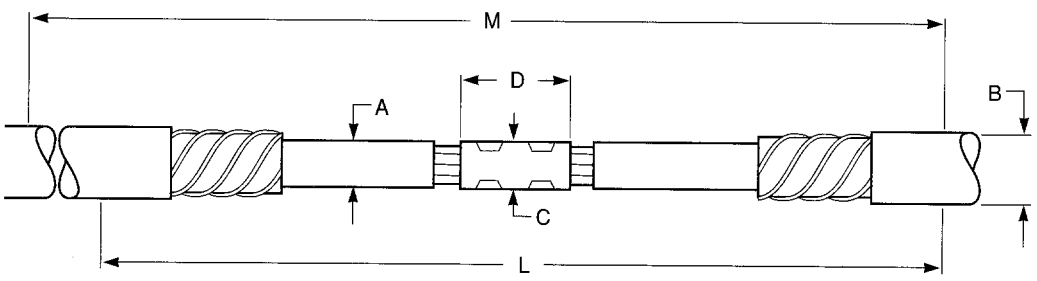
4. If external grounding and/or shield interrupting is required, order an HVS-EG kit from page 3-53.

5. Standard package: 1 kit/box.

6. Related test reports:
   15 kV: EDR-5174
   25 kV: EDR-5150
   35 kV: EDR-5157

   Related Installation Instructions
   HVS-1510E-R/RJ
   HVS-2510E-R/RJ HVS-3510S-R

Reference dimensions



PILC/VCLC cable splices

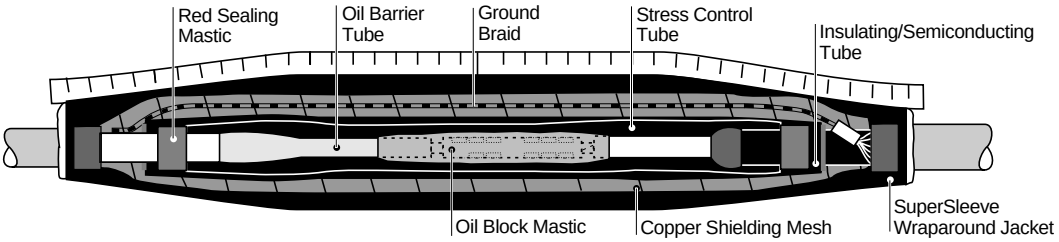
Tested to the electrical and load cycling requirements of IEEE 404.

HVSR “reducer” kits are used as a transition splice when the PILC/VCLC conductor size is much smaller than that of the poly cable.

HVS-1580D, -2580E, -3580D and HVSR-1580, -2580E

1/C in-line or transition and transition “reducer” kits (15–35 kV)

Product description



Use as an in-line splice for paper-insulated, lead-covered (PILC) cable or varnished cambric-insulated, lead-covered (VCLC) cable.

Or, use as a transition splice—PILC/VCLC to poly (copper tape, lead sheath, wire shield, UniShield. or jacketed/unjacketed concentric neutral) cable.

Raychem’s PILC splices utilize a highly effective oil-stop system. The system helps to reduce installation and outage time by eliminating insulation stepping, hand taping, lead wiping, and compound filling.

Selection information (dimensions in inches/millimeters)

Catalog number	PILC/poly conductor size (AWG/kcmil)	PILC insulation diameter (min.–max.) A	Poly insulation diameter (min.–max.) E	Connector dimensions			Kit installed length L	Required installation space M
				Both cables (max. O.D.) C	PILC/PILC (max. length) D	PILC/poly (max. length) D		
HVS-1580D	(15 kV)							
HVS-1581D	#4–4/0	0.60–0.90 (15–23)	0.65–1.05 (17–27)	0.90 (23)	3.5 (89)	4.5 (114)	31 (787)	48 (1219)
HVS-1582D	250–350	0.85–1.10 (22–28)	0.90–1.30 (23–33)	1.15 (29)	3.5 (89)	5.5 (140)	35 (889)	50 (1270)
HVS-1583D	500–750	1.05–1.30 (27–33)	1.10–1.60 (28–41)	1.60 (41)	5.0 (127)	7.0 (178)	37 (940)	50 (1270)
HVS-1584D	750–1000	1.15–1.50 (29–38)	1.25–1.80 (32–46)	1.85 (47)	6.0 (152)	8.0 (203)	40 (1016)	54 (1392)
HVS-2580E	(25 kV)							
HVS-2582E	#1–250	0.85–1.20 (22–30)	0.90–1.25 (23–32)	1.10 (28)	3.5 (89)	5.5 (140)	40 (1016)	57 (1448)
HVS-2583E	350–500	1.15–1.45 (29–37)	1.15–1.50 (29–38)	1.35 (34)	5.0 (127)	7.0 (178)	40 (1016)	58 (1473)
HVS-2584E	750–1000	1.50–1.70 (38–43)	1.60–1.90 (41–48)	1.85 (47)	6.0 (152)	8.0 (203)	40 (1016)	61 (1549)
HVS-3580D	**(35 kV)**							
HVS-3582D	1/0–250	1.05–1.40 (27–36)	1.05–1.40 (27–36)	1.20 (30)	3.5 (89)	5.5 (140)	40 (1016)	62 (1575)
HVS-3583D	300–750	1.20–1.70 (30–43)	1.30–1.75 (33–44)	1.60 (41)	6.0 (152)	9.0 (229)	48 (1219)	67 (1702)
HVS-3584D	750–1000	1.60–2.00 (41–51)	1.65–2.00 (41–51)	1.85 (47)	7.0 (178)	10.0 (254)	48 (1219)	67 (1702)

Selection information (dimensions in inches/millimeters)

Catalog number	PILC conductor size (AWG/kcmil)	PILC insulation diameter (min.–max.) A	Poly conductor size (AWG/kcmil)	Poly insulation diameter (min.–max.) E	Connector dimensions		Kit installed length L	Required installation space M
					Max. O.D. C	Max. length D		
HVSR-1580 transition reducer (15 kV)								
HVSR-1582	#4–4/0	0.60–0.90 (15–23)	4/0–350	0.90–1.30 (23–33)	1.15 (29)	5.5 (140)	33 (838)	78 (1981)
HVSR-1583	4/0–350	0.80–1.10 (20–28)	500–750	1.10–1.60 (28–41)	1.60 (41)	7.0 (178)	37 (940)	87 (2210)
HVSR-1584	4/0–500	0.80–1.20 (20–30)	750–1000	1.25–1.80 (32–46)	1.85 (47)	8.0 (203)	40 (1016)	92 (2337)
HVSR-2580E transition reducer (25 kV)								
HVSR-2583E	#1–350	0.80–1.20 (20–30)	350–500	1.15–1.50 (29–38)	1.35 (34)	7.0 (178)	40 (1016)	58 (1473)
HVSR-2584E	500–750	1.25–2.50 (32–38)	750–1000	1.55–1.90 (39–48)	1.85 (47)	8.0 (203)	40 (1016)	61 (1549)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables (manufactured in accordance with the data contained in AEIC-1-1968, AEIC CS5-1987, and AEIC CS6-1987) and commonly used connectors.

   Nominal insulation thickness (100%): 15 kV: 165 mils (PILC/VCLC). 175 mils (poly).
   25 kV: 255 mils (PILC/VCLC), 260 mils (poly).
   35 kV: 330 mils (PILC/VCLC), 345 mils (poly).
   Nominal insulation thickness (133%): 15 kV: 220 mils (poly).

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. Kits do not contain connectors; order **oil block** (sweated or compression) connectors separately.

4. If external grounding and/or shield interrupting is required, order an HVS-EG kit from page 3-53.

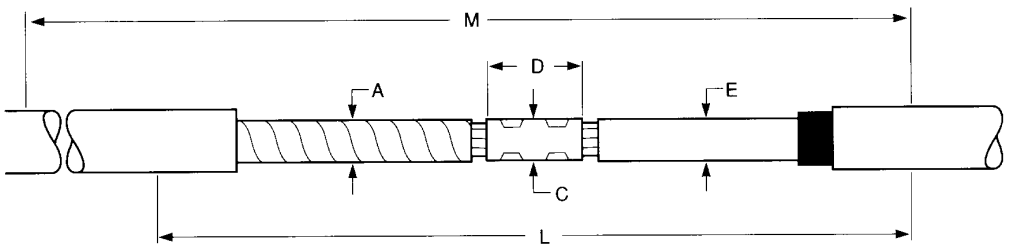
5. For lead sheath repair, order an HVS-LR kit from page 3-55.

6. Standard package: 1 kit/box.

7. Related test reports:
   15 kV: EDR-5080
   25 kV: EDR-5083
   35 kV: EDR-5184

   Related Installation Instructions
   HVS-1580D HVS-2580E
   HVS-3580D HVSR-1580
   HVSR-2580E

Reference dimensions



PILC/VCLC cable splices

Tested to the electrical and load cycling requirements of IEEE 404.

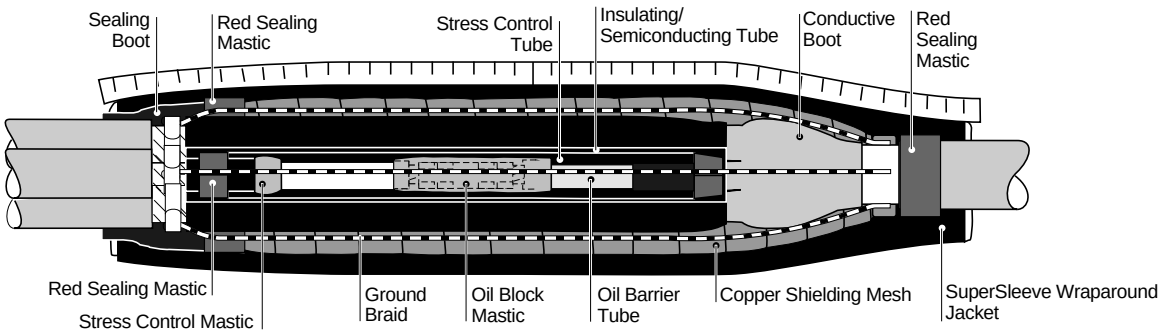
One 3/C (VCLC) cable to three 1/C poly cable.

The HVSR kits are for use when the PILC/VCLC cable has a **much smaller** conductor size than the poly cable.

HVS-T-1580S, HVS-T-2580E, HVS-T-3580S, HVSR-T-1580, HVSR-T-2580E

3/C PILC/VCLC to 1/C poly trifurcating transition and transition "reducer" kits (15–35 kV)

Product description



These trifurcating transition splices greatly reduce the complexity of splicing one 3/C PILC cable to three 1/C polymeric cables. By converting the PILC cable to a polymeric equivalent, the Raychem splices eliminate compound filling and difficult lead wiping which lets you get on and off the job site quickly.

Heat-shrink components help to eliminate lead sleeve failures by replacing lead sleeves and wipes that can crack due to corrosion or cable flexing.

HVS-T-1580E-S series splices provide solderless ground braid connection for PILC cable.

Selection information (dimensions in inches/millimeters)

Catalog number	PILC/poly conductor size (AWG/kcmil)	PILC insulation diameter (min.–max.) A	Poly insulation diameter (min.–max.) E	1/C poly jacket (max. O.D.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-T-1580S	(15 kV)							
HVS-T-1581S	#4–4/0*	0.60–1.00 (15–25)	0.65–1.05 (17–27)	1.35 (34)	0.90 (23)	4.5 (114)	40 (1016)	54 (1372)
HVS-T-1582S	250–350*	0.85–1.10 (22–28)	0.90–1.30 (23–33)	1.50 (38)	1.15 (29)	5.5 (140)	40 (1016)	55 (1397)
HVS-T-1583S	500–750*	1.05–1.50 (27–38)	1.10–1.60 (28–41)	1.90 (48)	1.60 (41)	7.0 (178)	48 (1219)	63 (1600)
HVS-T-1584S	750–1000	1.15–1.75 (29–44)	1.25–1.80 (32–46)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	66 (1676)
New — HVS-T-1580E-S	(15 kV)							
HVS-T-1581E-S	1/0–4/0*	0.65–1.00 (17–25)	0.70–1.05 (18–27)	1.40 (36)	2.50 (63)	0.90 (23)	40 (1016)	54 (1372)
HVS-T-1582E-S	250–500*	0.85–1.20 (22–30)	0.90–1.20 (23–30)	1.50 (38)	4.50 (114)	1.35 (34)	40 (1016)	55 (1397)
HVS-T-1583E-S	500–1000	1.10–1.50 (28–38)	1.15–1.75 (29–44)	2.20 (56)	5.00 (127)	1.85 (47)	48 (1219)	63 (1600)
HVS-T-2580E	(25 kV)							
HVS-T-2582E	#1–250	0.85–1.20 (22–30)	0.90–1.25 (23–32)	1.55 (39)	1.10 (28)	5.5 (140)	48 (1219)	61 (1549)
HVS-T-2583E	350–500	1.15–1.40 (29–36)	1.15–1.50 (29–38)	2.00 (51)	1.35 (34)	7.0 (178)	48 (1219)	61 (1549)
HVS-T-2584E	750–1000	1.50–1.70 (38–43)	1.60–1.90 (41–48)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	68 (1727)
HVS-T-3580S	(35 kV)							
HVS-T-3582S	1/0–350	1.05–1.40 (27–36)	1.05–1.50 (27–38)	1.90 (48)	1.20 (30)	6.5 (165)	55 (1397)	63 (1600)
HVS-T-3583S	250-500	1.20-1.60 (30-41)	1.25-190 (32-48)	2.10 (53)	1.80 (46)	8.0 (203)	55 (1397)	66 (1676)

Selection information (dimensions in inches/millimeters)

Catalog number	PILC conductor size (AWG/kcmil)	PILC insulation diameter (min.–max.) A	Poly conductor size (AWG/ kcmil)	Poly insulation diameter (min.–max.) E	1/C poly jacket (max. O.D.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVSR-T-1580 transition reducer (15 kV)									
HVSR-T-1582	#4–3/0	0.60–1.00 (15–25)	4/0–350*	0.90–1.30 (23–33)	1.50 (38)	1.15 (29)	5.5 (140)	40 (1016)	55 (1397)
HVSR-T-1583	4/0–350	0.80–1.20 (20–30)	500–750 *	1.10–1.60 (28–41)	1.90 (48)	1.60 (41)	7.0 (178)	48 (1219)	63 (1600)
HVSR-T-1584	250–500	0.85–1.30 (22–33)	750–1000	1.25–1.80 (32–46)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	66 (1676)
HVSR-T-2580E transition reducer (25 kV)									
HVSR-T-2582E	#1–400	0.80–1.20 (20–30)	350-500	1.15–1.50 (29–38)	2.00 (51)	1.35 (34)	7.0 (178)	48 (1219)	68 (1727)
HVSR-T-2583E	500–600	1.25–1.40 (32–36)	750-1000	1.55–1.90 (39–48)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	68 (1727)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated poly cables (manufactured in accordance with the data contained in AEIC 1-1968, AEIC CS5-1987, AEIC CS6-1987) and commonly used connectors.

   Nominal insulation thickness (100%):
   15 kV: 165 mils (PILC/VCLC).
   175 mils (poly).
   25 kV: 225 mils (PILC/VCLC).
   260 mils (poly).
   35 kV: 330 mils (PILC/VCLC).
   345 mils (poly).
   Nominal insulation thickness (133%):
   15 kV: 220 mils (poly).

*2. Check the jacket O.D. on the 133%-insulated, single-conductor 15-kV 4/0, 350-kcmil, and 750-kcmil cables to ensure they fall within the use range specified. If you have any questions, contact your Raychem field sales engineer or representative.

3. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

4. Kits do not contain connectors; order **oil block** (sweated or compression) connectors separately.

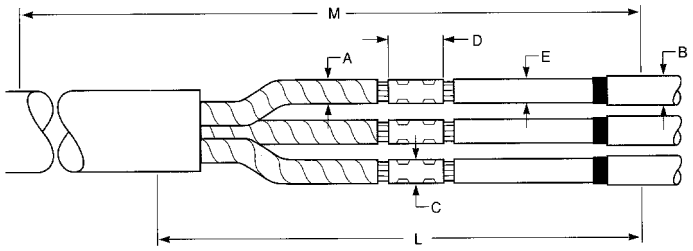
5. Standard package: 1 kit/box.

6. Related test reports:
   15 kV: EDR-5137
   25 kV: EDR-5142
   35 kV: EDR-5184

15 kV HVS-T-1580E-S:
EDR-5227

Related Installation Instructions
HVS-T-1580E-S HVS-T-1580S
HVS-T-2580E HVS-T-3580S
HVSR-T-1580 HVSR-T-2580E

Reference dimensions



PILC/VCLC cable splices

New—

HVS-T-1590S

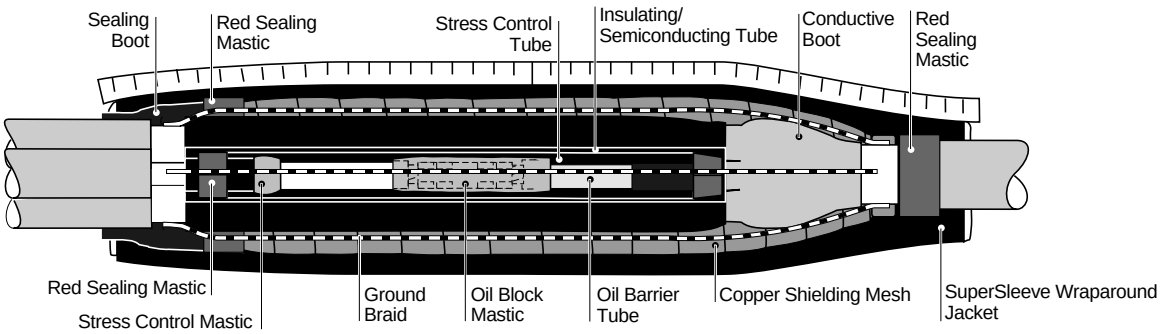
3/C PILC/VCLC to PILC/VCLC trifurcating kits (15 kV)

Tested to the electrical and load cycling requirements of IEEE 404.

One 3/C (PILC/VCLC) cable to three 1/C (PILC/VCLC) cable.s

For use on paper-insulated, lead-covered (PILC) cable, or varnished cambric-insulated, lead-covered (VCLC) cable.

Product description



These trifurcating splices greatly reduce the complexity of splicing one 3/C PILC cable to three 1/C PILC cables. By converting the PILC cable to a polymeric equivalent, the

Raychem splices eliminate compound filling and difficult lead wiping which lets you get on and off the job site quickly.

Heat-shrink components help to eliminate lead sleeve failures by replacing lead sleeves and wipes that can crack due to corrosion or cable flexing.

Selection information (dimensions in inches/millimeters)

Catalog number	PILC conductor size (AWG/kcmil)	PILC insulation diameter (min.–max.) A	1/C PILC jacket (max. O.D.) B	Connector dimensions Max. O.D. C	Connector dimensions Max. length D	Kit installed length L	Required installation space M
HVS-T-1590S (15 kV)							
HVS-T-1591S	#4–4/0*	0.60–1.05 (15–27)	1.30 (33)	0.90 (23)	3.5 (89)	40 (1016)	60 (1524)
HVS-T-1592S	4/0–400	0.85–1.30 (22–33)	1.50 (38)	1.15 (29)	4.5 (114)	40 (1016)	60 (1524)
HVS-T-1593S	500–750*	1.05–1.60 (27–40)	1.90 (48)	1.60 (41)	6.0 (152)	48 (1219)	64 (1626)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100% insulated cables (manufactured in accordance with the data contained in AEIC 1-1968 and commonly used connectors.

   Nominal insulation thickness (100%):
   15 kV: 165 mils

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

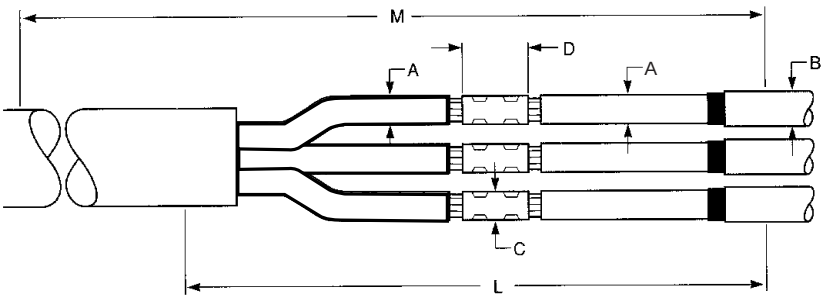
3. Kits do not contain connectors; order **oil block** (sweated or compression) connectors separately.

4. Standard package: 1 kit/box.

6. Related test reports: EDR-5080

Related Installation Instructions
HVS-T-1590S

Reference dimensions



PILC/VCLC transition cable splices

New—

HVS-3-1580S, HVSA-3-1580S

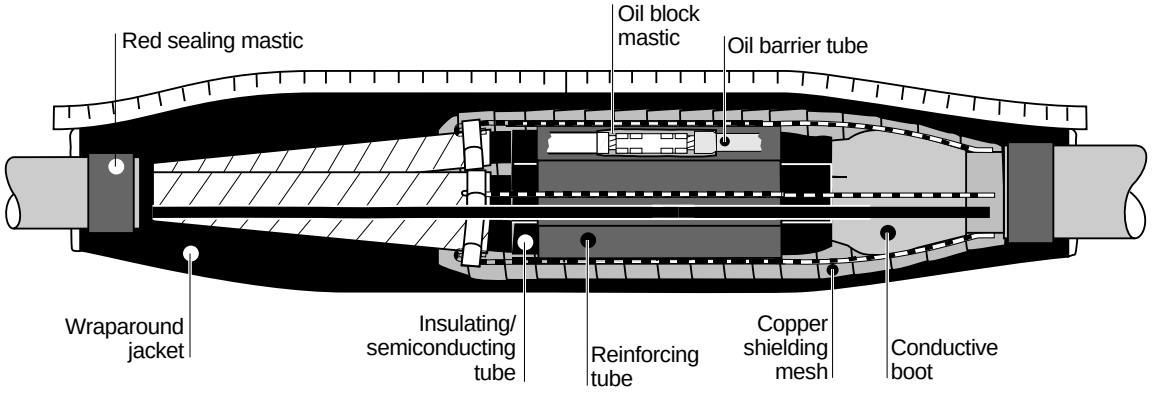
3/C PILC/VCLC to 3/C POLY (unarmored and armored) kits (15 kV)

Tested to the electrical and load cycling requirements of IEEE 404.

One 3/C (PILC/VCLC) cable to one 3/C poly cable.

Load cycle tested to perform at a conductor temperature of 110ºC with an internal oil pressure of 15 psi.

Product description



These transition splices provide a reliable means for splicing 3/C 15 kV PILC/VCLC cables to 3/C 15 kV armored or unarmored polymeric cables.

They eliminate the need for compound filling, lead wiping and hot oil. Installation is quick, easy, and repeatable.

Raychem utilizes high temperature oil barrier tubing, oil-block mastic, and a high-density conductive boot to seal the oil within the PILC cable. This oil sealing technology has been successful in over 15 years of installations.

Heat-shrink accessories fit out-of-round and sectored cables. Conductor size transitions are easily handled.

Raychem utilizes its rugged MBSM rejacketing sleeve to seal against moisture ingress. The splice also incorporates a thermoplastic internal moisture sealant as a secondary barrier to moisture.

Selection information (dimensions in inches/millimeters)

Catalog number	PILC/poly conductor size (AWG/kcmil)	PILC insulation diameter (min.–max.) A	Poly insulation diameter (min.–max.) B	Connector dimensions Max. O.D. C	Max. length D	Kit installed length L	Required installation space M
HVS-3-1580S unarmored cable (15 kV)							
HVS-3-1581S	#4–4/0	0.60–1.00 (15–25)	0.60–1.05 (17–27)	1.15 (29)	5.5 (140)	60 (1524)	68 (1727)
HVS-3-1582S	250–350	0.85–1.10 (22–28)	0.90–1.30 (23–33)	1.15 (29)	5.5 (140)	60 (1524)	68 (1727)
HVS-3-1583S	500–750	1.05–1.50 (27–38)	1.10–1.60 (28–41)	1.60 (41)	7.0 (178)	72 (1829)	80 (2032)
HVS-3-1584S	750–1000	1.15–1.75 (29–44)	1.25–1.80 (32–46)	1.85 (47)	8.0 (203)	72 (1829)	80 (2032)
HVSA-3-1580S armored cable (15 kV)							
HVSA-3-1581S	#4–4/0	0.65–1.00 (17–25)	0.60–1.05 (17–27)	0.90 (23)	4.50 (114)	63 (1600)	70 (1778)
HVSA-3-1582S	250–350	0.85–1.10 (22–28)	0.90–1.30 (23–33)	1.15 (29)	5.5 (140)	72 (1829)	80 (2032)
HVSA-3-1583S	500–750	1.05–1.50 (27–38)	1.10–1.60 (28–41)	1.60 (41)	7.0 (178)	72 (1829)	80 (2032)
HVSA-3-1584S	750–1000	1.15–1.75 (29–44)	1.25–1.85 (32–46)	1.85 (47)	8.0 (203)	72 (1829)	80 (2032)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100% insulated cables manufactured in accordance with the data contained in AEIC 1-1968 as well as the dimensions of commonly used connectors.

   Nominal insulation thickness (100%):
   165 mils

2. Armored kits include an interlocking steel armoring wraparound with bendable fingers to provide a smooth transition to the armor.

3. Kits do not contain connectors; order **oil block** (sweated or compression) connectors separately.

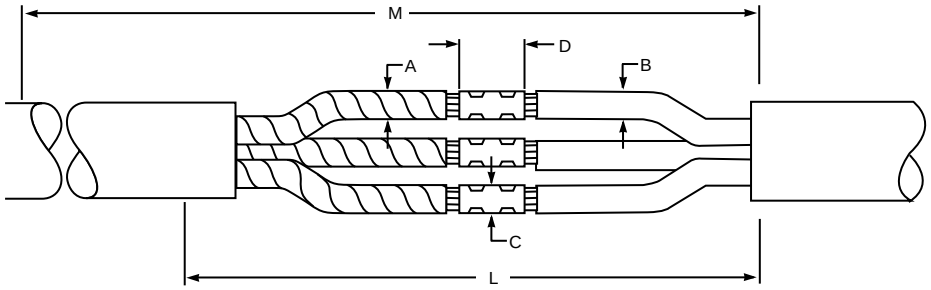
4 *Note: These kits do not allow cross-phasing.

5. Standard package: 1 kit/box.

6. Related test reports: EDR-5137

   Related Installation Instructions
   HVS-3-1580S HVSA-3-1580S

Reference dimensions



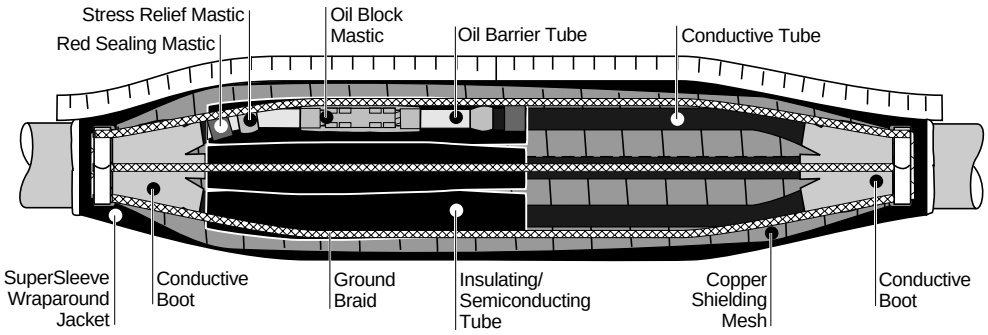
PILC/VCLC cable splices

Tested to the electrical and load cycling requirements of IEEE 404.

For use on paper-insulated, lead-covered (PILC) cable, or varnished cambric-insulated, lead covered (VCLC) cable.

HVS-3-1590, HVS-3-1590S, HVS-3-2590
3/C in-line PILC cable (15–25 kV)

Product description



Raychem's 3/C in-line PILC splices provide a highly effective and easily installed oil stop system, using standard heat-shrinkable components.

The adhesive-lined conductive breakout provides an oil- and pressure-resistant seal and grounds the conductive tubing to the lead sheath.

Oil barrier tubing locks the oil in the PILC cables, converting each conductor into the polymeric equivalent.

Selection information (dimensions in inches/millimeters)

Catalog number	PILC conductor size (AWG/kcmil)	PILC insulation diameter (min.–max.) A	Connector dimensions		Kit installed length L	Required installation space M
			Max. O.D. C	Max. length D		
HVS-3-1590 (15 kV)						
HVS-3-1591	#4–4/0	0.60–1.00 (15–25)	0.90 (23)	3.5 (89)	63 (1600)	67 (1702)
HVS-3-1592	250–350	0.85–1.10 (22–28)	1.15 (29)	3.5 (89)	63 (1600)	67 (1702)
HVS-3-1593	500–750	1.05–1.50 (27–38)	1.60 (41)	5.0 (127)	67 (1702)	71 (1803)
HVS-3-1594	750–1000	1.15–1.75 (29–44)	1.85 (47)	6.0 (152)	67 (1702)	71 (1803)
HVS-3-1590S "shorty" (15 kV)*						
HVS-3-1591S	#2–350	0.65–1.00 (17–25)	0.85 (22)	3.0 (76)	55 (1397)	55 (1397)
HVS-3-1592S	4/0–600	0.85–1.25 (22–32)	1.20 (30)	4.0 (102)	59 (1499)	59 (1499)
HVS-3-1593S	500–1000	1.00–1.50 (25–38)	1.50 (38)	5.0 (127)	59 (1499)	59 (1499)
HVS-3-2590E (25 kV)						
HVS-3-2591E	#1–350	0.85–1.15 (22–29)	1.15 (29)	4.0 (102)	67 (1702)	71 (1803)
HVS-3-2592E	350–750	1.10–1.50 (28–32)	1.40 (36)	5.0 (25)	67 (1702)	71 (1803)

*See Ordering Information #6 on the next page.

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables (manufactured in accordance with the data contained in AEIC 1-1968 and commonly used connectors.

   Nominal insulation thickness (100%):
   15 kV: 165 mils.
   25 kV: 255 mils.

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. Kits do not contain connectors; order **oil block** (sweated or compression) connectors separately.

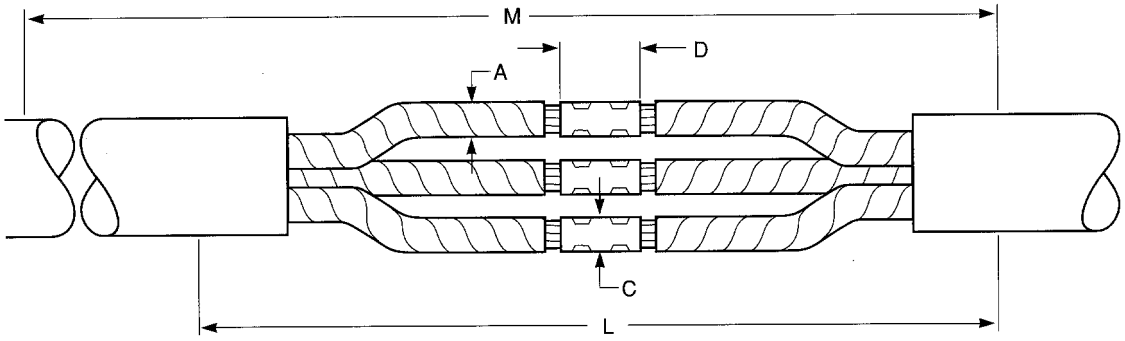
4. Standard package:
   One 3/C kit/box.

5. Related test reports:
   HVS-3-1590/2590: EDR-5143
   HVS-3-1590S: EDR-5250
   HVS-3-2590E: EDR-5223

   Related Installation Instructions
   HVS-3-1590/2590
   HVS-3-1590S

*6. HVS-3-1590S "shorty" splice kit does not allow cross phasing.

Reference dimensions

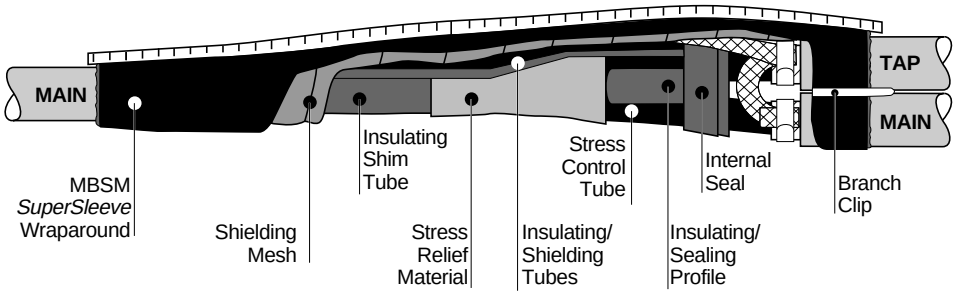


Rated to IEEE 404.

HVSY-1520S, HVSY-1580D

Wye splices for 1/C poly-poly, PILC-PILC, and PILC-poly cable (15 kV)

Product description



Raychem's wye splice kits may be used for submersible or direct burial applications and have been tested to meet the performance requirements of IEEE-404. They include a positive heat-activated sealant system that eliminates taping between main and tap cables.

The HVSY kits have been designed to seal against moisture ingress by including a branch clip and the heavy-duty MBSM wraparound sleeve. Internal moisture seals provide a redundant seal against water intrusion.

The splices accept a wide range of main and tap cable sizes. Their compact shape simplifies cable training.

HVSY-1520S is for use on copper tape, wire shield, lead sheath, and UniShield cables.

HVSY-1580D is for use as a wye splice where the main and/or tap cables may be paper-insulated, lead-covered (PILC) cable; varnished cambric-insulated, lead-covered (VCLC) cable.

Selection information (dimensions in inches/millimeters)

Catalog number	Poly conductor size* (AWG/kcmil) Main	Tap	Insulation diameter Main (min.–max.)	Tap (min.–max.)	Connector length (max.)	Kit installed length	Required installation space
HVSY-1520S	(15 kV polymeric wye)		A	E	D	L	M
HVSY-1522S	#2–4/0	#2–4/0	0.65–1.05 (17–27)	0.65–1.05 (17–27)	3.0 (75)	30 (750)	45 (1125)
HVSY-1523S	250–750	#2–750	0.95–1.45 (24–37)	0.65–1.45 (17–37)	3.5 (90)	30 (750)	45 (1125)

Catalog number	PILC/poly conductor size* (AWG/kcmil) Main	Tap	PILC/poly Insulation diameter Main (min.–max.) A	Tap (min.–max.) E	PILC lead sheath (O.D. max.)	Connector length (max.) D	Kit installed length L	Required installation space M
HVSY-1580D	(15 kV PILC and PILC-poly wye)							
HVSY-1582D	#2–4/0	#2–4/0	0.65–1.05 (17–27)	0.65–1.05 (17–27)	1.20 (30)	3.0 (75)	30 (750)	45 (1125)
HVSY-1583D	250–750	#2–750	0.95–1.45 (24–37)	0.65–1.45 (17–37)	1.50 (38)	3.5 (90)	30 (750)	45 (1125)

*See ordering information #4 on the next page.

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables manufactured in accordance with the data contained in AEIC CS5-1987 AEIC CS6-1987 and the dimensions of commonly used connectors.

   Nominal insulation thickness (100%):
   165 mils (PILC/VCLC)
   175 mils (poly)
   Nominal insulation thickness (133%):
   220 mils (poly)

2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.

3. Kits do not contain connectors. For all HVSY-1580D kits and for HVSY-1520S kits, use **soldered, split-ferrule (half-duplex)** connectors, available from:
   Richards Manufacturing Company
   517 Lyons Avenue
   Irvington, NJ 07111
   (973) 371-1771

   A special flux is needed to sweat aluminum conductors. Contact your local Raychem representative for information.

   For HVSY-1520S kits with copper conductors only, H-tap **compressed** connectors, available from Burndy (800-346-4175), may be used in place of the half-duplex connector.

*4. Check poly cable insulation diameter to help ensure a proper fit.

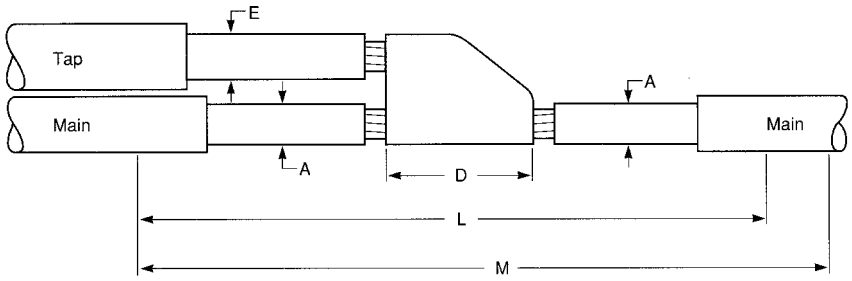
5. For 15-kV H-configuration connections on 1/C shielded power cable, order the HVSH-1520 mod kit (see page 3-44) for use in conjunction with appropriate HVSY-1520S kit.

6. Standard package: 1 kit/box.

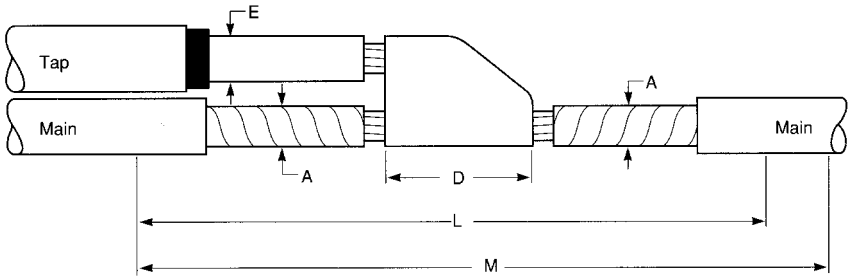
7. Related test reports:
   HVSY-1520S: EDR-5236
   EDR-5256
   HVSY-1580D: EDR-5235

   Related Installation Instructions
   HVSY-1522S HVSY-1523S
   HVSY-1582D HVSY-1583D

HVSY-1520S dimensions



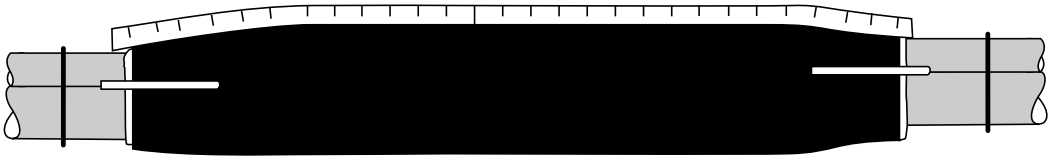
HVSY-1580D dimensions



Tap splice kits

HVSH-MOD
H configuration kits for 1/C shielded power cable (15 kV)

Product description



The Raychem HVSH-1520D-MOD and HVSH-1580D-MOD series modification kits are used in conjunction with Raychem HVSY-1520S and HVSY-1580D-MOD series wye splice kits (see page 3-42). This combination provides a heat-shrinkable 15-kV system that accommodates "H-configuration" connections for single-conductor power cables. This kit will accommodate both crimped connectors (copper conductor only) and soldered connectors.

The splices can be used for submersible or direct burial applications and have been tested to meet the performance requirements of IEEE 404.

Selection information (dimensions in inches/millimeters)

Raychem kits required*	Conductor size**		Insulation diameter		Connector length max.	Kit installed length	Required installation space
	Main AWG/kcmil	Tap AWG/kcmil	Main min.–max.	Tap min.–max.			
HVSH-1520-MOD							
HVSY-1522S HVSH-1522D-MOD	#2–4/0	#2–4/0	0.65–1.05 (17–27)	0.65–1.05 (17–27)	3.0 (75)	30 (750)	45 (1125)
HVSY-1523S HVSH-1523D-MOD	250–750	#2–750	0.95–1.45 (24–37)	0.65–1.45 (17–37)	3.5 (90)	30 (750)	45 (1125)
New— HVSH-1580-MOD							
HVSY-1582D HVSH-1582D-MOD	#2–4/0	#2–4/0	0.65–1.05 (17–27)	0.65–1.05 (17–27)	3.0 (75)	30 (750)	45 (1125)
HVSY-1583D HVSH-1583D-MOD	250–750	#2–750*	0.85–1.45 (22–37)	0.65–1.45 (17–37)	3.5 (90)	30 (750)	45 (1125)

*Check cable insulation diameter to ensure proper fit.

Ordering information

*1. To make an "H-configuration", order both the standard HVSY kit (from page 3-42) and the HVSH-MOD kit.

**2. Poly cable selections are based on the typical dimensions of 100%-insulated cables made in accordance with the data contained in AEIC CS5-1987. Final kit selection should be verified by actual cable dimensions.

PILC/VCLC cable slections are based on the typical dimensions of 100% insulated cables manufactured in accordance with AEIC-1-1968.

3. Kits ***do not*** contain connectors. The splice may be installed using either a Burndy YSH H-tap compression connector or a split-ferrule (half-duplex) connector. The soldered connector is available from:
Richards Manufacturing Co.
517 Lyons Ave.
Irvington, NJ 07111
(973) 371-1771

Contact your local Burndy dealer for information on the H-tap connector.

4. A special flux is needed to sweat aluminum conductors; contact your local Raychem representative for more information.

5. Standard package: 1 kit/box.

6. Related test reports
HVSH-1520-MOD: EDR-5236.
HVSH-1580D-MOD: EDR-5235.

Related Installation Instructions
HVSH-1520-MOD
HVSH-1580D-MOD

Live end seals

Rated to the electrical requirements of IEEE 15-25kV-class system voltages.

Insulates and environmentally seals the end of an energized cable.

For use on 1/C and 3/C PILC cable or VCLC cable; or on 1/C poly cable.

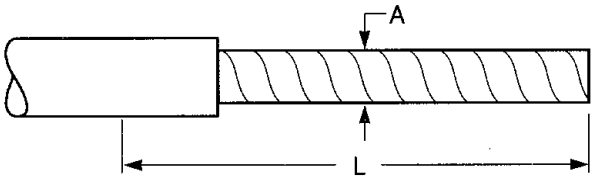
HVES-1520D, HVES-2520D, HVES-3-1590, HVES-3-2590E

Seals for 1/C PILC and poly or 3/C PILC cable (15-25 kV)

Selection information (dimensions in inches/millimeters)

Catalog number	PILC PILC/poly conductor size (AWG/kcmil)	Poly insulation diameter (min.–max.) A	insulation diameter (min.–max.) A	Kit installed length L
HVES-1520D (1/C PILC/VCLC and 1/C poly) 15 kV				
HVES-1521D	#4–4/0	0.60–0.90 (15–23)	0.65–1.05 (17–27)	12 (305)
HVES-1522D	250–350	0.85–1.10 (22–28)	0.90–1.30 (23–33)	12 (305)
HVES-1523D	500–750	1.05–1.30 (27–33)	1.10–1.60 (28–41)	12 (305)
HVES-1524D	750–1000	1.20–1.50 (30–38)	1.25–1.80 (32–46)	12 (305)
New— HVES-2520D (1/C PILC/VCLC and 1/C poly) 25 kV				
HVES-2521D	#1-250	0.85–1.25 (22–32)	0.85–1.25 (22–32)	21 (533)
HVES-2522D	350-500	1.15–1.50 (29–38)	1.15–1.50 (29–38)	23 (584)
HVES-2523D	750-1000	1.50–1.90 (38–48)	1.50–1.90 (38–48)	25 (635)

HVES-1520D, 2520D dimensions



Ordering information on next page

Selection information (dimensions in inches/millimeters)

Catalog number	PILC conductor size (min.–max.)	PILC insulation diameter (min.–max.) A	Kit installed length L
HVES-3-1590 (3/C PILC/VCLC) 15 kV			
HVES-3-1591	#4–4/0	0.60–1.00 (15–25)	27 (686)
HVES-3-1592	250–350	0.85–1.10 (22–28)	27 (686)
HVES-3-1593	500–750	1.05–1.50 (27–38)	27 (686)
HVES-3-1594	750–1000	1.15–1.75 (29–44)	27 (686)
HVES-3-2590E (3/C PILC/VCLC) 25 kV			
HVES-3-2591E	#1–250	0.85–1.20 (22–30)	28 (711)
HVES-3-2592E	350–350	1.15–1.40 (28–36)	31 (787)
HVES-3-2593E	750–1000	1.50–1.70 (38–43)	32 (813)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated and 133%-insulated poly cables manufactured in accordance with data contained in AEIC 1-1968, AEIC CS5-1987, and AEIC CS6-1987.

   Nominal insulation thickness (100%):
   15 kV: 165 mils (PILC/VCLC).
   175 mils (poly).
   25 kV: 225 mils (PILC/VCLC).
   260 mils (poly).
   Nominal insulation thickness (133%): 15 kV: 220 mils (poly).

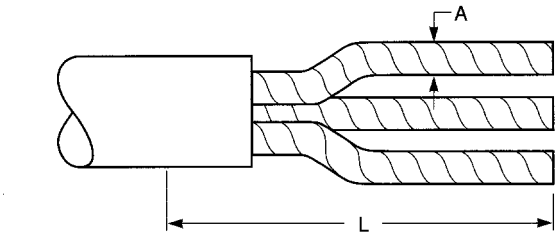
2. For cables manufactured to other specifications, confirm selection with cable dimensions.

3. Standard package:
   HVES-1520D,-2520D: One kit/box.
   HVES-3-1590,-2590E:
   One 3/C kit/box.

4. Related test reports:
   15 kV: EDR-5146.
   25 kV: EDR-5273.

   Related Installation Instructions
   HVES-1520D HVES-3-1590

HVES-3-1590, 2590E dimensions



PILC elbow adapter

Rated to the applicable requirements of ANSI-386-1985.

Converts PILC cable to allow installation of dead-break elbows. 600 Amp

For use on 1/C PILC/VCLC cable.

New — ## HVE-1590

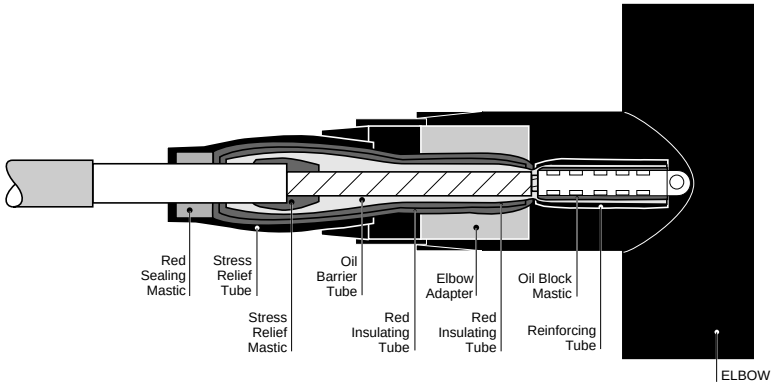
Adapts 1/C PILC cable for installation of elbow (15 kV)

Product description

Raychem's elbow adapters provide a highly effective and easily installed oil stop system, using standard heat-shrinkable components.

The system provides an oil-and pressure-resistant seal.

Oil barrier tubing locks the oil in the PILC cables, converting each conductor into the polymeric equivalent. Pressure rated to 15 psi at 90°C



Selection information (dimensions in inches/millimeters)

Kit	1/C 15 kV* PILC conductor size (nominal)	Min. insulation O.D. (A)	Max. insulation O.D. (A)	Max lead sheath O.D. (B)	Adapter Type Elastimold
HVE-1591	#2 AWG-2/0	0.65"(16mm)	0.75"(19mm)	0.95"(24mm)	655CA-L
HVE-1592	3/0-250 kcmil	0.75"(19mm)	0.95"(24mm)	1.10"(28mm)	655CA-L
HVE-1593	300-500 kcmil	0.95"(24mm)	1.15"(29mm)	1.35"(34mm)	655CA-M
HVE-1594	600-750** kcmil	1.20"(30mm)	1.35"(34mm)	1.50"(38mm)	655CA-P

*5 kV cables may be used provided the cable dimensions fall within the dimension rangesgiven above.
**Compact strand only

Please Note: The Raychem kit does not include the compression connector, cable adapter or elbow.

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables manufactured in accordance with data contained in AEIC 1-1968.

   Nominal insulation thickness (100%): 15 kV: 165 mils (PILC/VCLC).

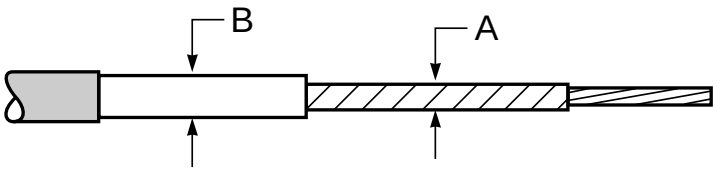
2. For cables manufactured to other specifications, confirm selection with cable dimensions.

3. Standard package: One kit/box.

4. Related test reports:
   15 kV:EDR-5269.

   Related Installation Instructions
   HVE-1590

HVE-1590 dimensions



Flexible cable splices

LV-MSK/HV-MSK

Splices for in-line and multiconductor low-voltage or medium-voltage multiconductor cable (600 V–8 kV)

LV-MSK kits are flame-retardant, in-line and multiconductor splice kits for use on mining cables and standard flexible cables up to 2 kV.

MSHA approved to P-137-4-MSHA.

For types G, W, G-GC, and SHD-GC round and flat cables.

HV-MSK kits are flame-retardant, multiconductor splice kits for use on standard flexible cables and mining cables (MP-GC and SHD-GC) up to 8 kV.

MSHA approved for P-137-MSHA.

Selection information (dimensions in inches/millimeters)

LV-MSK (600 V–2 kV)

Flat cables

Catalog number	Cable diameter (min.–max.)	Power conductor size (AWG/kcmil) G or G-GC 3/C	W or G 2/C	W 4/C	Standard package (kits/box)
LV-MSK-046	0.85–1.40 (22–36)		#6–#2		15
LV-MSK-047	1.30–2.40 (33–61)	#6–#1	#1–4/0	#6–#1	15
LV-MSK-058	1.60–3.15 (41–80)	#2–4/0		#2–4/0	5

Round cables

Catalog number	Cable diameter (min.–max.)	Power conductor size (AWG/kcmil) G or G-GC 3/C	W or G 2/C	W 4/C	Standard package (kits/box)
LV-MSK-045*	0.85–1.40 (22–36)	#8–#6	#8–#6		20
LV-MSK-046	0.85–1.40 (22–36)	#6–#2	#6–#4		15
LV-MSK-047	1.30–2.40 (33–61)	#2–3/0	#3–3/0	#6–1/0	15
LV-MSK-058	1.60–3.15 (41–80)	2/0–500	2/0–350	1/0–350	5

HV-MSK for 3/C flexible cable (5–8 kV)

Catalog number	Power conductor size (AWG/kcmil) 5-kV 3/C MP-GC	5-kV 3/C SHD-GC	8-kV 3/C MP-GC	8-kV 3/C SHD-GC	Sleeve length
HV-MSK-3/C-581	#6–#1	#6–#4	#6–#4		22
HV-MSK-3/C-582	1/0–350	#2–3/0	#2–4/0	#4–2/0	22
HV-MSK-3/C-584	400–750	4/0–350	250–750	3/0–350	29

Ordering information

1. Select appropriate catalog number based on conductor size for your cable type. Confirm selection with cable diameter range.

2. Kits do not contain connectors; please order separately.

*3. LV-MSK-045 has a lower profile than LV-MSK-046.

4. For cable types not listed in this catalog, contact your local Raychem representative.

5. Standard package:
LV-MSK: See selection tables above.
HV-MSK: One 3/C kit per box.

Related Installation Instructions
LV-MSK HV-MSK

Typical HV-MSK installation

Miscellaneous splicing accessories

P63 cable preparation kits can be used with all Raychem cable accessories.

Use P63 kits to clean and abrade cable insulation.

P63
Cable preparation kits

P63 selection information

Catalog number	Standard package (kits/box)
P63	12

P63 ordering information

1. One kit contains six solvent wipes, six dry wipes and three strips of abrasive paper.
2. For splices, the number of prep kits vary depending upon size of cable and type of splice. For terminations, one prep kit will clean three phases (one 3/C termination or three 1/C terminations).
3. Solvent wipes contain American Polywater's Type HP cleaner.

   Related Installation Instruction
   P63

HV-BRAID is tinned copper braid, ***solder-blocked*** for use with Raychem HVS and HVT kits.

HV-BRAID
Ground braid

HV-Braid selection information (dimensions in inches/millimeters)

Ground braid			
Catalog number	Braid size (AWG)	Length of moisture-blocked braid	Standard package (pcs/box)
HV-BRAID-8-1520	#8	60 (1524)	3
HV-BRAID-6-1520	#6	60 (1524)	3
HV-BRAID-4-1520	#4	60 (1524)	3

Miscellaneous splicing accessories

HVS-MESH is used in conjunction with high-voltage ground braids to provide shield continuity when splicing shielded power cables.

HVS-MESH
Shielding mesh

HVS-MESH selection information

Catalog number	Width	Length	Standard package
HVS-MESH-2-5000	2 inches (51 millimeters)	16 feet (48 meters)	4 rolls/box

HVS-MESH ordering information

1. Order shielding mesh based on cable diameter and length of cable to be covered. To apply shielding mesh, half-lap around cable.

HVS-GCs are used for securing ground braids when splicing or terminating power cables.

HVS-GC
Ground clamps

HVS-GC selection information

Catalog number	Use range (inches/millimeters)	Standard package
HVS-GC-0.5	0.5–1.0 (13–25)	100 pieces/box
HVS-GC-1.0	1.0–2.0 (25–51)	100 pieces/box
HVS-GC-1.5	1.5–3.0 (38–76)	50 pieces/box

HVS-GC ordering information

1. Order ground clamps based on cable diameter. Confirm size with use range.

Miscellaneous splicing accessories

HVS-SHIM

Heat-shrinkable shim kits (5–35 kV)

Use HVS shim kits to increase the insulation diameter of a polymeric cable, allowing it to fit in the use range of a standard splice kit.

For use on copper tape, LC shield, wire shield, lead sheath, UniShield, and jacketed/unjacketed concentric neutral cables.

Selection information (dimensions in inches/millimeters)

Follow these steps to select the appropriate shim kit:

1. Verify that the insulation diameters of the two cables to be spliced do not fall within the insulation range of any standard Raychem splice kit.

2. Select the Raychem splice kit that fits the larger of the two cables within the kit's insulation-diameter use range. If the larger cable fits in more than one kit, choose the smaller kit.

3. Determine the minimum cable insulation diameter for the kit and find that value in column A below.

   Example:
   An HVS-1523S kit has a cable insulation range of 1.10–1.60 inches. Therefore, the minimum cable insulation diameter for this kit is 1.10 inches.

4. In column B, find the insulation diameter range in which the smaller cable falls.

   Note: If the smaller cable does not fit within any of the specified ranges in column B, a standard shim cannot be used for your application. Contact your local Raychem representative for more information.

5 In column C, find the correct HVS-SHIM kit to order.

A Find the kit's minimum cable insulation diameter in this column:	B Find the smaller cable's insulation diameter range in this column:	C This is the HVS-SHIM kit to order:
0.80 (20)	0.60–0.80 (15–20)	HVS-SHIM-1
0.85 (22)	0.65–0.85 (17–22)	HVS-SHIM-1
0.90 (23)	0.70–0.90 (18–23)	HVS-SHIM-1
0.95 (24)	0.80–0.95 (20–24)	HVS-SHIM-1
1.00 (25)	0.85–1.00 (22–25)	HVS-SHIM-1
1.05 (27)	0.90–1.05 (23–27)	HVS-SHIM-1
	0.70–0.90 (18–23)	HVS-SHIM-2
1.10 (28)	0.90–1.10 (23–28)	HVS-SHIM-3
	0.70–0.90 (18–23)	HVS-SHIM-4
1.15 (29)	0.95–1.15 (24–29)	HVS-SHIM-3
	0.80–0.95 (20–24)	HVS-SHIM-4
1.20 (30)	1.00–1.20 (25–30)	HVS-SHIM-3
	0.85–1.00 (22–25)	HVS-SHIM-4
1.25 (32)	1.10–1.25 (28–32)	HVS-SHIM-3
	0.95–1.10 (24–28)	HVS-SHIM-4
1.30 (33)	1.15–1.30 (29–33)	HVS-SHIM-3
	1.00–1.15 (25–29)	HVS-SHIM-4
1.35 (34)	1.20–1.35 (30–34)	HVS-SHIM-3
	1.00–1.20 (25–30)	HVS-SHIM-5
1.40 (36)	1.25–1.40 (32–36)	HVS-SHIM-3
	1.05–1.25 (27–32)	HVS-SHIM-5
1.45 (37)	1.30–1.45 (33–37)	HVS-SHIM-3
	1.15–1.30 (29–33)	HVS-SHIM-5
1.50 (38)	1.35–1.50 (34–38)	HVS-SHIM-3
	1.20–1.35 (30–34)	HVS-SHIM-5

(Continues on the next page)

Selection information (continued)

A	B	C
Find the kit's minimum cable insulation diameter in this column:	Find the smaller cable's insulation diameter range in this column:	This is the HVS-SHIM kit to order:
1.55 (39)	1.35–1.55 (34–39)	HVS-SHIM-6
1.60 (41)	1.40–1.60 (36–41)	HVS-SHIM-6
1.65 (42)	1.45–1.65 (37–42)	HVS-SHIM-6
1.70 (43)	1.50–1.70 (38–43)	HVS-SHIM-6
1.75 (44)	1.55–1.75 (39–44)	HVS-SHIM-6
1.80 (46)	1.60–1.80 (41–46)	HVS-SHIM-6

Ordering information

1. Select the appropriate shim kit catalog number based on actual cable dimensions and Raychem splice kit use range.
2. Shim kits are supplied separately. Order Raychem splice kit and shim kit separately.
3. Shim kits do not contain connectors. Order a size-reducing connector separately.
4. Contact your local Raychem sales engineer or representative for cable sizes not listed in the selection table.
5. Standard package: 1 kit/box.

Related Installation Instruction
HVS Shim Kit

Miscellaneous splicing accessories

Use HVS-EG to externally ground and/or shield-interrupt a Raychem splice.

For use with Raychem splices when installing an external ground or when doing shield-interrupt/cross-bonding circuit installation.

HVS-EG

External grounding/shield interrupting kits

Selection information (dimensions in inches/millimeters)

Catalog number	Insulation diameter (min.–max.)	Length of moisture-blocked braid	Braid size (AWG)
1/C cables			
HVS-EG-1	0.30–1.25 (8–32)	24 (610)	#8
HVS-EG-2	1.00–2.15 (25–55)	24 (610)	#6
HVS-EG-3	1.55–3.40 (39–86)	24 (610)	#4
3/C cables			
HVS-EG-3-1	0.30–1.25 (8–32)	36 (914)	#8
HVS-EG-3-2	1.00–2.15 (25–55)	36 (914)	#6
HVS-EG-3-3	1.55–3.40 (39–86)	36 (914)	#4

Ordering information

1. Select the appropriate catalog number based on the insulation diameter.
2. Kits include ground braid and sealant to make an external ground and/or shield interrupt with a Raychem splice kit.
3. Standard package:
   HVS-EG: 3 kits/box.
   HVS-EG-3: 1 kit/box.

   Related Installation Instructions
   HVS-EG HVS-EG-3

JGK-MS
Jacketed cable ground kits (15–35 kV)

Description

The JGK-MS kit addresses the RUS recommendation to externally ground the jacketed cable neutrals at least four times per mile to limit shield standing voltage, to avoid accidental shock, and to provide multiple parallel return paths for line-to-ground faults.

Heat-shrinkable JGK-MS kits provide complete environmental sealing with a wraparound, adhesive-lined rejacketing sleeve. In addition, each kit contains a constant-force ground clamp, a solder-blocked ground braid for external grounding, and a sealant to encapsulate and seal the ground conductor.

Heat-shrinkable JGK-MS kits are RUS listed and have been tested to meet the 10-kA/10-cycles or 15-kA, 15-cycle fault-current test requirements. Also, the wraparound rejacketing sleeve has been water-seal tested to the applicable sections of ANSI C119.1-1986.

Selection information (dimensions in inches/millimeters)

Catalog number	Nominal conductor size use range (AWG/kcmil)			Rated fault current
	15 kV	25 kV	35 kV	
JGK-MS-1	#4–4/0	#1–1/0		10 kA, 10 cycles
JGK-MS-2	250–1000	1/0–750	1/0–500	15 kA, 15 cycles
JGK-MS-3	1000–2000	750–1750	500–1500	15 kA, 15 cycles

Ordering information

1. Standard package: 3 kits/box.

2. Related test report: EDR-5242.

Related Installation Instructions
JGK-MS-1 JGK-MS-2/3

HVS-LR
Lead sheath repair kits for PILC cable

Description

The HVS-LR series kit offers a simple method of repairing lead sheath damage on paper-insulated, lead-covered (PILC) cables. The kit combines the strength and durability of Raychem's MBSM wraparound sleeve with an effective oil-resistant sealing mastic.

The HVS-LR kits are tested to and meet the following load-cycling and pressure test requirements:

Test	Result
Current cycling at 110°C conductor temperature for 90 cycles (5 hours on, 3 hours off)	Pass
Applied pressure	15 psi
Maximum continuous conductor temperature	110°C

Selection information (dimensions in inches/millimeters)

Kit description	Nominal sleeve length	Application use range (min.–max.)
HVS-LR-75/15-600	24 (600)	0.65–2.65 (17–67)
HVS-LR-75/15-1200	48 (1200)	0.65–2.65 (17–67)
HVS-LR-160/42-600	24 (600)	1.80–5.70 (46–144)
HVS-LR-160/42-1200	48 (1200)	1.80–5.70 (46–144)
HVS-LR-200/50-600	24 (600)	2.15–7.10 (55–180)
HVS-LR-200/50-1200	48 (1200)	2.15–7.10 (55–180)

Ordering information

1. Be sure to look at both the cable jacket diameter and the lead sheath diameter when selecting the HVS-LR kit.

2. Standard package: 3 kits/box.

3. Related test report: EDR-5243.

Related Installation Instruction
HVS-LR

Section 4 Terminations

Raychem terminations

Features and benefits 4-1

Applications, features, and benefits 4-2

Technical information

HVT testing data 4-4

Recommended guide specifications 4-4

Electrical stress control 4-5

Recommended air clearance 4-6

Recommended cable bending radius 4-6

CATS, CATR, CATR-S, TFT-E testing data 4-7

Selection information

Nonshielded polymeric cable terminations

- HVT-50 polymeric cable terminations for 1/C and 3/C nonshielded power cable (5 kV) 4-8

Shielded polymeric cable terminations

- HVT-G/SG polymeric cable terminations for copper tape shield, drain wire shield, lead sheath, and UniShield 1/C cables (5–35 kV) 4-9
- MOD-3-HVT 3/C modification kits for Raychem medium-voltage terminations (5–35 kV) 4-10
- EHVT/GHVT polymeric cable terminations for copper tape shield, wire shield, lead sheath, and 1/C cables (46–69 kV) 4-18

LC-shield terminations

- HVT-LC/SLC LC-shield cable terminations for 1/C cables (15–35 kV) 4-20

URD cable terminations

- HVT-J/SJ URD cable terminations for jacketed and unjacketed concentric neutral 1/C cables (15–35 kV) 4-21

Selection information

Cold-applied terminations

TFT-E-G/SG 1/C shielded polymeric cable terminations. Pre-expanded and supplied on holdout. 4-13

TFT-E-SLC 1/C LC shield cable terminations. Pre-expanded and supplied on holdout. 4-13

New

TFT-E 1/C URD cable terminations. Pre-expanded and supplied on holdout. 4-13

CATS 1/C URD terminations for unjacketed and jacketed concentric neutral cable, push-on termination. 4-15

CATR 1/C shielded polymeric cable terminations for copper tape, wire shield, lead sheath, and unishield cables. Push-on termination. Indoor use. (5-15 kV) 4-16

CATR-S 1/C shielded polymeric cable terminations for copper tape, wire shield, lead sheath, and unishield cables. Push-on termination. Outdoor use. (15-35 kV) 4-17

PILC cable terminations

HVT-1590 and HVT-3-1590 4-22

1/C and 3/C PILC cable terminations (15 kV)

Flexible cable terminations

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Miscellaneous termination accessories

New

BRKT-SS cable mounting brackets 4-25

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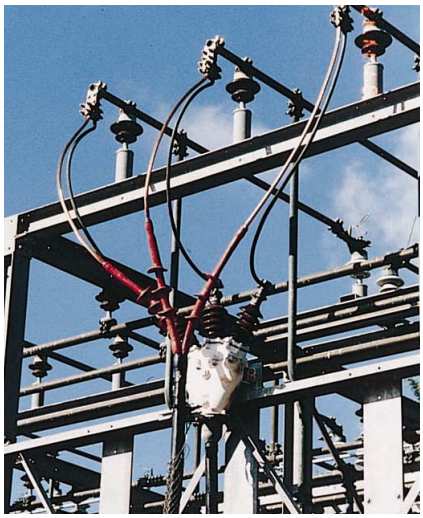
Raychem terminations

Features and benefits

Raychem's HVT system features a nontracking, insulating surface that can withstand long-term electrical stress and surface pollution.

Raychem's 69 kV terminations require no special or expensive tools for installation, and no soldering (see page 4-18).



Raychem's proven oil-sealing technology has been used for more than 15 years in medium-voltage transition joints. This technology now is put to work in our PILC termination kits (see page 4-22).

Reliable, field-proven performance
Independent testing and field experience have repeatedly proven the long-term stability, durability, and reliability of the Raychem HVT system, even in highly polluted environments. Raychem's nontracking, insulating outer jacket can withstand the rigors of long-term electrical stress and surface pollution without loss of performance. The nontracking material offers the additional benefit of being maintenance free, with no need for periodic cleaning. Extensive load cycle testing verifies the long-term thermo-mechanical compatibility between the termination system and the cable.

Ease of installation
HVT kits can be installed on all cable types without special adapters or accessories. No special tooling or connectors are required since HVT kits accept all common compression or terminal lugs. The HVT installation method also provides generous cable cutback and component positioning tolerances, further reducing installation variability. And heat-shrinking allows the kits to be easily inspected, either visually or by simple touch, to help ensure proper installation.

Always ready for the job– even in emergencies
HVT, CATS, CATR, AND CATR-S kits have an unlimited shelf life. They remain ready to use on short notice, so you have no worries about scrapping aged inventory or being caught with useless products during an emergency or on a time-critical project.

Flexible and versatile
An HVT system may be installed upright or inverted and can bend to the same bending radius as the cable. Slim and lightweight, the system can also be mounted directly to fuse cutouts or other devices, eliminating the cost of additional supporting brackets and crossarms.

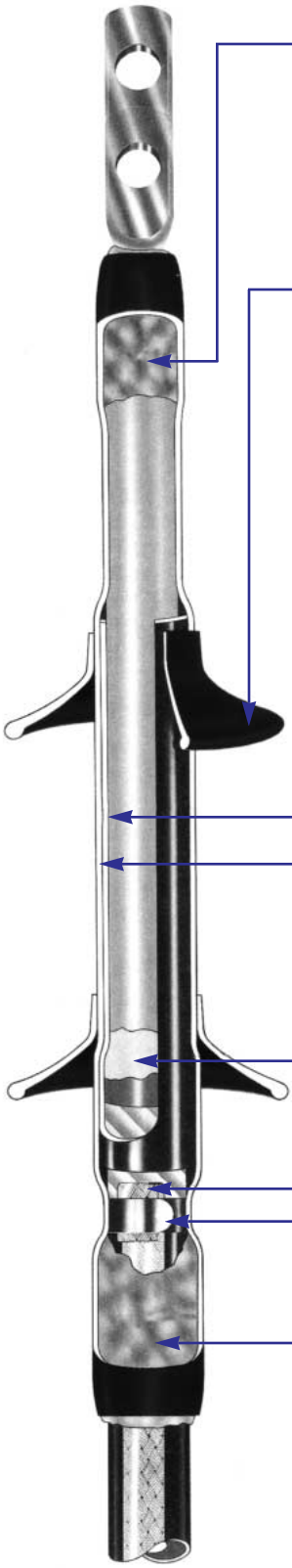
46 and 69 kV
At voltages as high as 69 kV the need for proven stress control is even more important. The materials used in Raychem 46 and 69 kV terminations (as with all lower voltages) are suitable for severely polluted areas—and for all installation conditions, including top feed installation.

The material is designed to be resistant to impact damage from transportation or vandalism, a typical problem for heavy, inflexible porcelain products. Raychem 46/69 kV terminations also require no compound filling which can leak over time.

Cold-applied termination system
CATS, CATR, CATR-S, and TFT-E terminations are designed for customers who want Raychem material technology in a cold-applied system. The cold-applied terminations also provide positive positioning of the stress control patch. CATS, CATR, and CATR-S terminations have an indefinite shelf life and no tension set so the age of inventory will never present a problem.

Raychem HVT terminations

Applications, features, and benefits



Moisture sealing

Nontracking, high-voltage sealant:
- Provides a watertight connector seal when combined with heat-shrinkable material.
- Will not harden or crack.

Additional creepage for outdoor applications

Heat-shrinkable skirts:
- Increase surface creepage distance.
- Easily adapt terminations for outdoor use.
- May be inverted for terminations facing downward.

Electrical stress control and insulation (8 kV and up)

Heat-shrinkable stress control tubing:
- Reduces the electrical stress gradient at the end of the cable shield to safe operating levels.
- Shrinks to fit out-of-spec cable.
- Provides long-term electrical performance.

Nontracking, heat-shrinkable outer insulation tubing:
- Provides excellent UV stability.
- Withstands polluted environments.
- Is proven to withstand severe applications.

Stress relief material:
- Minimizes stress at the shield cutback.
- Applies easily, smoothing the step at the cable semicon edge and filling any voids.
- Acts as a secondary moisture seal.

Shielding and solderless grounding (included in polymeric cable kits except URD)

Ground braid:
- Provides shield continuity.

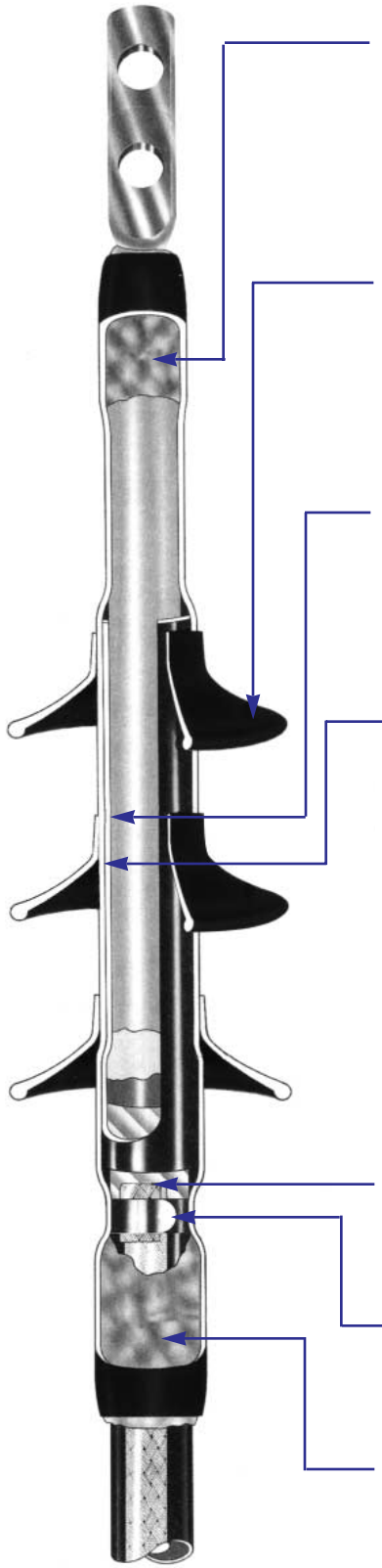
Ground clamp:
- Has a constant-force roll spring, which provides secure grounding without soldering.

Moisture sealing

- Nontracking, high-voltage sealant.

Raychem Cold-applied terminations

Applications, features, and benefits



Moisture sealing

Nontracking, high-voltage sealant:
- Provides a watertight connector seal
- Will not harden or crack.

Additional creepage for outdoor applications

Molded skirts:
- Increase surface creepage distance.

Electrical stress control and insulation

Metal Oxide Matrix stress control patch:
- Reduces the electrical stress gradient at the end of the cable shield to safe operating levels.
- Conforms to fit out-of-spec cable.
- Provides long-term electrical performance.

Nontracking, termination body:
- Provides excellent UV stability.
- Withstands polluted environments.
- Is proven to withstand severe applications.

Shielding and solderless grounding (included in polymeric cable kits except URD)

Ground braid:
- Provides shield continuity.

Ground clamp:
- Has a constant-force roll spring, which provides secure grounding without soldering.

Moisture sealing

- Nontracking, high-voltage sealant.

HVT testing data
Raychem high-voltage terminations are fully qualified per IEEE-48 as Class I terminations to provide a long, trouble-free service life. Independent testing and field experience have repeatedly proven the long-term durability, reliability, and stability of the Raychem HVT system, even in highly polluted environments. Raychem's proven nontracking, insulating jacket can withstand the rigors of long-term electrical stress and surface pollution without loss of performance. The nontracking material is maintenance free and does not require periodic cleaning. Extensive load-cycle testing verifies the thermo-mechanical compatibility between the termination system and cable.

	Raychem product and voltage class[1]					
Test description	HVT-80 (5–8 kV)	HVT-150 (15 kV)	HVT-250 (25 kV[2])	HVT-350 (35 kV)	EHVT-460 (46 kV)	EHVT-690 (69 kV)
AC withstand, 1 minute, (kV)	35	50	65	90	120	175
DC withstand, 15 minutes, (kV)	65	75	105	140	170	245
Partial discharge (min. kV) for 3 pC or less	9	15.6	25.8	36	40	60
Impulse withstand 1.2 x 50 µs, crest kV (outdoor)[3]	95	110	150	200	250	350
Impulse withstand 1.2 x 50 µs, crest kV (indoor)[3]	80	95	125	150	250	350
Continuous current rating	Equal to cable ampacity					
Wet withstand, 10 seconds, kV rms	30	45	60	80	100	145
Dry withstand, 6 hours, kV rms	25	35	55	75	100	120

Note: For PILC terminations, please refer to page 4-23.
1 URD and LC kits are rated for 15–35 kV only; HVT-M kits for 5/8–25 kV only.
2 HVT-250 meets requirements of 25/28 kV systems.
3 Outdoor kits (-SJ, -SG, or -SLC designation) were tested with skirts (rain sheds). Indoor kits (-J, -G, -LC designation) do not contain skirts.

Recommended guide specifications

Please feel free to use one or all of the following in your design specifications:

Medium-voltage terminations (through 69 kV)
Shielded power cable termination kits shall be factory engineered for the application. The kits shall consist of high-permittivity, high-resistivity, heat-shrinkable stress control tubing, and outer insulation tubing and skirts (outdoor applications) made from UV-stable, nontracking (per ASTM D 2303) materials. Heat-activated sealant materials to help prevent moisture ingress and contamination should also be included. Termination kits shall meet or exceed all rating requirements of IEEE-48 for Class I terminations and the test sequence prescribed by IEEE-404, including 130°C load cycling and 130°C impulse withstand.

Multiconductor shielded cable terminations
In addition to the phase terminations, multiconductor termination kits shall provide a heat-shrinkable breakout boot, factory-coated with sealant for strain-relief and sealing purposes. Each kit shall include lengths of heat-shrinkable tubing to help prevent corrosion and shifting of the shielding layers between the boot and the phase-termination installation point.

When grounding and/or ground check conductors are included, the kit includes lengths of heat-shrinkable tubing and sealant material to seal each conductor from the boot to its connection point.

Nonshielded cable terminations (2–5 kV)
Termination kits for nonshielded power cables installed in contaminated indoor or outdoor environments are factory engineered to provide UV-stable, nontracking (per ASTM D 2303 and the Ontario Hydro accelerated tracking wheel test) exterior surfaces and complete environmental sealing for the termination area. Termination kits shall consist of heat-shrinkable tubing, skirts (outdoor applications), and sealing boots (for 3/C only) supplied with heat-activated sealant materials to help prevent moisture ingress and contamination.

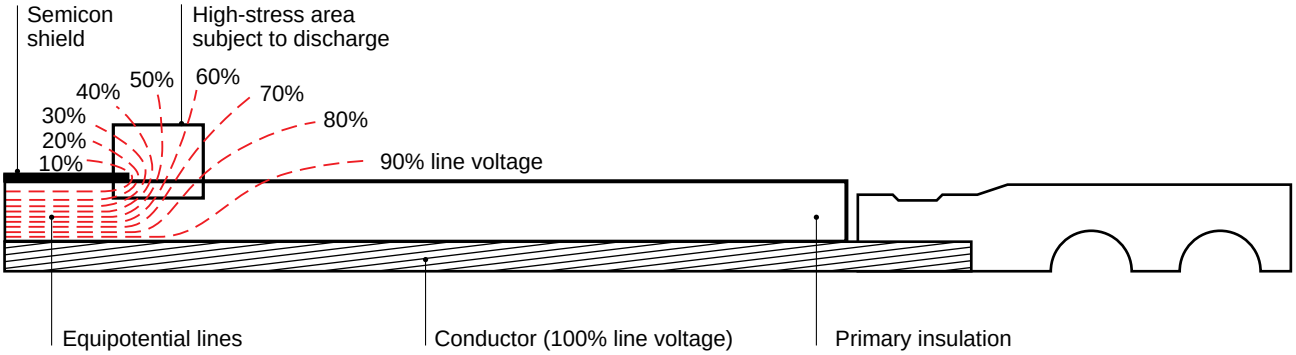
Technical information

Electrical stress control

Shielded power cables require electrical stress control when terminated. When the insulation shield is removed from a cable, the electrical field is concentrated at the cutback point, causing high electrical stress. If the stress is great enough, it can cause the air to break down, resulting in corona. High-stress areas also cause internal discharges. Corona or internal discharges will ultimately destroy the cable insulation, causing premature failure.

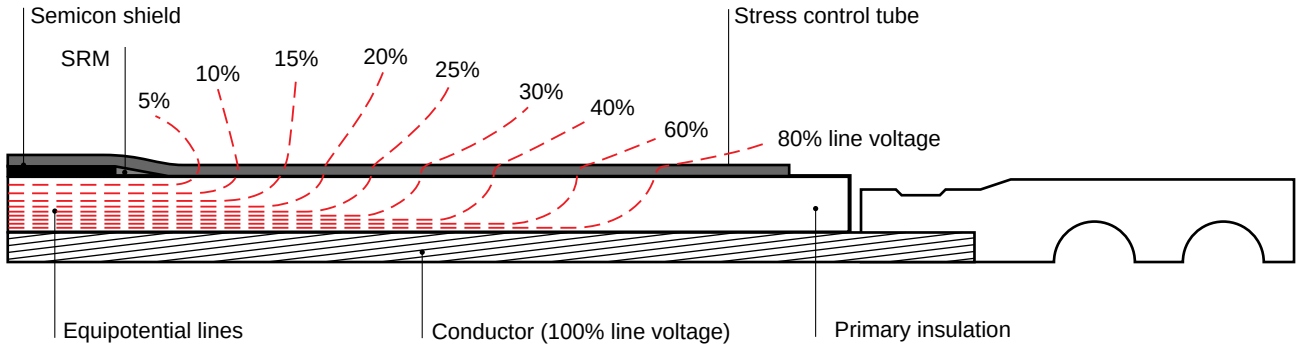
Cable termination without stress control

The diagram below shows an energized cable termination without stress control. The electric field intensity is greatest where the equipotential lines (line of constant voltage) are concentrated. Note the concentration near the edge of the semicon shield. Stress control is required here to reduce the electrical stress below levels at which the air would break down or discharges would occur in the insulation.



Cable termination with Raychem's unique stress control system

With Raychem's stress control tube installed, as shown in the diagram below, the equipotential lines are spread out, distributing the electrical field and reducing the electrical stress to the cable insulation's operating level. This is achieved by the unique resistive and capacitive properties of the heat-shrinkable material. Note that no diameter buildup is required as in a conventional stress cone that utilizes its geometry to reduce stress.



Recommended air clearance (Heat shrink and cold-applied products)
Phase/phase and phase/ground

The stress control system provides a linear voltage distribution from the lug at high voltage to the shield termination at ground potential. If the termination is installed too close to another phase termination or grounded metal, the electric stress in the air gap will rise to a level where discharge or flashover may occur. The table and diagrams below indicate the minimum clearances needed between various termination configurations. These clearances are based on IEEE Basic Impulse Levels (BIL).

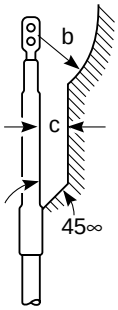


Figure 1.
Phase to ground

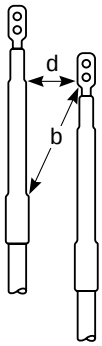


Figure 2.
Same phase

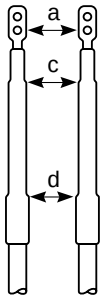


Figure 3.
Between phases

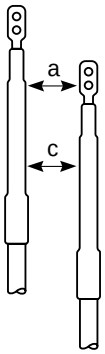


Figure 4.
Between phases

	Minimum Clearance[1] (inches/millimeters)			
BIL (kV)	a	b	c[2]	d
95	6.5 (160)	3.5 (90)	1.2 (30)	0.8 (20)
110	7.0 (175)	4.0 (100)	1.4 (35)	0.9 (23)
125	9.0 (225)	6.0 (150)	1.6 (40)	1.0 (25)
150	9.0 (225)	6.0 (150)	1.6 (40)	1.0 (25)
200	13.0 (325)	9.0 (225)	2.0 (50)	1.4 (35)

1 Values are based on normal operating conditions. Humid or poorly ventilated environments may require additional air clearance.
2 For skirted, outdoor terminations, the value for c is equal to the distance from the edge of one skirt to another, or from a skirt to ground.

Recommended cable bending radius

Raychem terminations are as flexible as the original cable. A cable end should not be bent to a radius less than that recommended by the manufacturer.

D = Cable jacket O.D.

R = 10 x D—Minimum bending radius (consult cable manufacturer's values and check them against Raychem's. Select the higher of the two. Preheat cable to approximately 80°C before bending.)

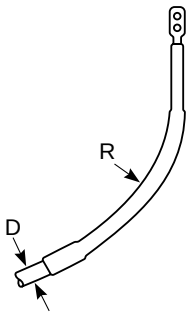


Figure 5.
Bending radius

CATS, CATR, CATR-S, TFT-E testing data

These terminations are fully qualified per IEEE-48 as Class 1 terminations to prvide a long, trouble-free service life. These terminations incorporate Raychem material technology in a cold-applied system. The terminations have an elastomeric tubing that is formulated for long-term performance in typical extreme termination environments. The non-tracking material is maintenance-free and does not require periodic cleaning.

The series of products feature the latest in advanced stress control systems using Metal Oxide Matrix technology to provide superior electrical performance.

	Raychem products: CATS, CATR, CATR-S, TFT-E Voltage class		
Test description	(15 kV)	(25 kV)	(35 kV)
AC withstand, 1 minute, (kV)	50	65	90
DC withstand, 15 minutes, (kV)	75	105	140
Partial discharge (min. kV) for 5 pC or less	13	21.5	30
Impulse withstand 1.2 x 50 µs, crest kV (outdoor)	110	150	200
Wet withstand, 10 seconds, kV rms	45	60	80
Dry withstand, 6 hours, kV rms	35	55	75

Indoor (in enclosures) or outdoor (weather-exposed) use.

HVT-50
1/C and 3/C nonshielded power cable (5 kV)

Description

HVT-50 nonshielded polymeric terminations are designed to withstand rigorous service conditions.

The nontracking, heat-shrinkable insulation is simple to install and provides excellent UV stability.

Selection information (dimensions in inches/millimeters)

Catalog number	Conductor size (AWG/kcmil)	Insulation diameter (min.)	Jacket O.D. (max.)
HVT-51	#4–2/0	0.45 (11)	0.85 (22)
HVT-52	3/0–500	0.70 (18)	1.30 (33)
HVT-53	750–1500	1.10 (28)	2.15 (55)
Installed length: 12”*(300mm)*			

For three-conductor 5 kV terminations

1. Order three appropriate single-conductor terminations from the selection information above.

2. In addition, order the appropriate three-conductor modification kit (MOD-3-HVT) as follows:
   - MOD-3A-HVT for HVT-51 and HVT-52
   - MOD-3B-HVT for HVT-53

These MOD-3-HVT kits contain:
- 4 feet of tubing to rejacket each phase and ground conductor
- sealant
- plugs
- cable breakout to seal the crotch area

3. For more information on MOD-3-HVT kits, see pages 4-10 and 4-11.

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables manufactured in accordance with the data contained in ICEA S-66-524, as well as the dimensions of commonly used connectors.

   Nominal insulation thickness (100%): 90 mils.

2. For cables manufactured to other specifications, confirm selection with cable dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

4. Standard package:
   - HVT-50: 3 single-conductor kits/box.
   - MOD-3-HVT: 1 kit/box.

5. Cable prep kits are found on page 3-47.

6. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40” (20-61mm). See page 4-25.

Related Installation Instructions
HVT-50

Polymeric cable terminations

HVT-G/SG
1/C shielded power cable (5–35 kV)

Rated to IEEE-48-1990, class 1.

Indoor (in enclosures) or outdoor (weather-exposed) use.

For use on copper tape, wire shield, lead sheath, and UniShield cables.

Selection information (dimensions in inches/millimeters)

Catalog number		5 kV conductor size (AWG/kcmil)	8 kV conductor size (AWG/kcmil)	Insulation diameter (min.–max.)	Jacket O.D. (max.)
Indoor	Outdoor				
5–8 kV					
HVT-80-G	HVT-80-SG	#4–#1*	#6–#2	0.35–0.60 (9–15)	0.95 (24)
HVT-81-G	HVT-81-SG	1/0–250*	#1–4/0	0.60–0.95 (15–24)	1.20 (30)
HVT-82-G	HVT-82-SG	300–500*	250–500	0.80–1.25 (20–32)	1.50 (38)
HVT-83-G	HVT-83-SG	600–1750*	600–1750	1.10–1.75 (28–44)	2.10 (53)
HVT-84-G	HVT-84-SG	1500–2500*	2000–2500	1.60–2.45 (41–62)	2.75 (70)
Installed length: 10.5 (267)					
		Conductor size (AWG/kcmil)			
15 kV					
HVT-151-G	HVT-151-SG	#4–1/0		0.60–0.95 (15–24)	1.20 (30)
HVT-152-G	HVT-152-SG	2/0–350		0.80–1.25 (20–32)	1.50 (38)
HVT-153-G	HVT-153-SG	400–1000		1.10–1.65 (28–42)	2.10 (53)
HVT-154-G	HVT-154-SG	1250–2500		1.60–2.45 (41–62)	2.75 (70)
Installed length: 15 (381)					
25 kV					
HVT-252-G	HVT-252-SG	#2–250		0.80–1.25 (20–32)	1.50 (38)
HVT-253-G	HVT-253-SG	300–750		1.10–1.70 (28–43)	2.10 (53)
HVT-254-G	HVT-254-SG	1000–1750		1.60–2.45 (41–62)	2.75 (70)
HVT-255-G	HVT-255-SG	2000–2500		2.05–3.00 (52–76)	3.45 (88)
Installed length: 28 (711)					
35 kV					
HVT-352-G	HVT-352-SG	#1–1/0		0.80–1.25 (20–32)	1.50 (38)
HVT-353-G	HVT-353-SG	2/0–500		1.10–1.85 (28–47)	2.10 (53)
HVT-354-G	HVT-354-SG	750–1750		1.60–2.45 (41–62)	2.75 (70)
HVT-355-G	HVT-355-SG	2000–2500		2.05–3.00 (52–76)	3.45 (88)
Installed length: 33 (838)					

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables manufactured in accordance with data contained in AEIC CS5-1987 and AEIC CS6-1987, as well as the dimensions of commonly used connectors. Nominal insulation thickness (100%):
   5 kV: 90 mils
   8 kV: 115 mils; 15 kV: 175 mils;
   25 kV: 260 mils; 35 kV: 345 mils.

   Nominal insulation thickness (133%): 15 kV: 220 mils.

*2. If using 5/8 kV (115-mil) cable, use 8 kV selection.

3. For cables manufactured to other specifications, confirm selection with cable dimensions.

4. Kits do not contain connectors; order compression or solder connectors separately.

5. All kits include a solderless ground connection.

   Outdoor (-SG) kits include skirts if or outdoor use. To order skirts separately, see page 4-27.

6. Standard package: Three single-conductor kits/box.

7. See page 4-4 for testing information.

8. Related test reports:
   5–8 kV: EDR 5217
   15 kV: EDR 5218
   25 kV: EDR 5219
   35 kV: EDR 5222

   Related Installation Instructions
   HVT 5-35kV G/SG

9. See next page for 3/C modification kits.

10. Miscellaneous accessories are found on pages 3-49 and 3-50.

11. Cable mounting brackets are available to accommodate cable diameter. See page 4-25.

MOD–3–HVT

3/C modification kits for Raychem medium-voltage terminations (5–35 kV)

Use MOD-3-HVT kits, in conjunction with three Raychem 1/C terminations, to seal and rejacket the cable terminations.

MOD-3-HVT kits are available for both unsealed and sealed applications.

Selection information

1. Select three HVT single-conductor terminations from page 4-7.

2. To select the appropriate modification kit for the HVT terminations, use the MOD-3-HVT selection table below.

3. Use the MOD-3-HVT dimensions table at the bottom of this page to confirm the insulation and jacket diameters.

   If the diameters of your cable fall outside the MOD-3-HVT kit's use range, you can purchase MOD-3-HVT components separately.

4. To order kit components separately or in bulk quantities, use the kit components and bulk ordering information table on page 4-12.

MOD-3-HVT selection table

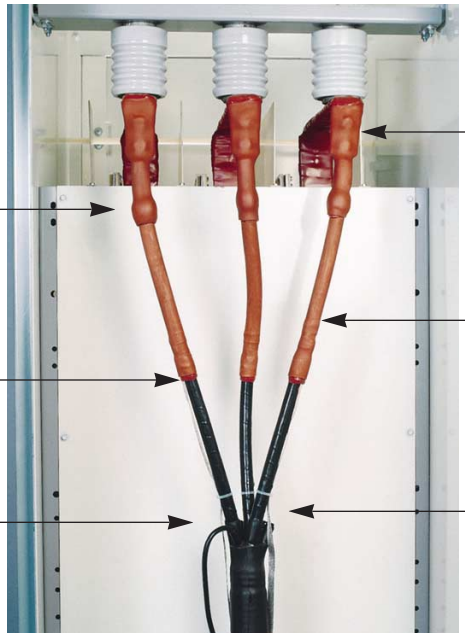
Indoor (without breakout boot)		Outdoor/Indoor (includes breakout boot)	
1/C termination	**MOD-3-HVT kit**	**1/C termination**	**MOD-3-HVT kit**
5–8 kV			
HVT-80-G	MOD-3X-HVT*	HVT-80-SG	MOD-3A-HVT*
HVT-81-G	MOD-3X-HVT	HVT-81-SG	MOD-3A-HVT
HVT-82-G	MOD-3X-HVT	HVT-82-SG	MOD-3A-HVT
HVT-83-G	MOD-3Y-HVT	HVT-83-SG	MOD-3B-HVT
HVT-84-G	MOD-3Y-HVT	HVT-84-SG	MOD-3B-HVT*
15 kV			
HVT-151-G	MOD-3X-HVT	HVT-151-SG	MOD-3A-HVT
HVT-152-G	MOD-3X-HVT	HVT-152-SG	MOD-3A-HVT
HVT-153-G	MOD-3Y-HVT	HVT-153-SG	MOD-3B-HVT
HVT-154-G	MOD-3Y-HVT	HVT-154-SG	MOD-3B-HVT*
25 kV			
HVT-252-G	MOD-3X-HVT	HVT-252-SG	MOD-3A-HVT
HVT-253-G	MOD-3Y-HVT	HVT-253-SG	MOD-3B-HVT
HVT-254-G	MOD-3Y-HVT	HVT-254-SG	MOD-3B-HVT*
HVT-255-G	MOD-3Y-HVT*	HVT-255-SG	MOD-3B-HVT*
35 kV			
HVT-352-G	MOD-3X-HVT	HVT-352-SG	MOD-3A-HVT
HVT-353-G	MOD-3Y-HVT	HVT-353-SG	MOD-3B-HVT
HVT-354-G	MOD-3Y-HVT	HVT-354-SG	MOD-3B-HVT*
HVT-355-G	MOD-3Y-HVT*	HVT-355-SG	MOD-3B-HVT*

*Refer to Selection information (#3) above this table.

MOD-3-HVT dimensions (in inches/millimeters)

Catalog number	Insulation diameter (min.–max.)	Jacket diameter (min.–max.)
MOD-3X-HVT (unsealed)	0.50–1.35 (13–34)	
MOD-3Y-HVT (unsealed)	1.00–2.70 (25–69)	
MOD-3A-HVT (sealed)	0.50–1.25 (13–32)	1.25–3.85 (32–98)
MOD-3B-HVT (sealed)	1.00–2.10 (25–53)	2.65–5.30 (67–135)

3/C cable terminating



MOD-3X-HVT and MOD-3Y-HVT are for jacketing of phases and ground conductors. MOD-3A-HVT and MOD-3B-HVT provide jacketing, plus an environmental crotch sealing boot.

Tubing provided does not have sealant coating on the inner wall. This makes it easily removable, like any cable jacket. Each kit includes three four-foot-long sleeves for the phases and three four-foot-long smaller sleeves for any ground conductors. (Tubing can be field-cut to appropriate length.)

A unique six-legged cable breakout boot, provided in -3A and -3B kits, has an internal coating of a special adhesive to provide total environmental sealing of the cable crotch (breakout) area. It has three large legs for the phases and three smaller legs for ground conductors. Plugs are included for insertion into any unused ground legs to maintain the environmental seal integrity.

Ordering information

1. Standard package: 1 kit/box.

2. Kit contents:
   - Unsealed (-3X and -3Y) kits contain rejacketing tubes for phase and ground conductors, and sealant for indoor terminations that don’t require environmental sealing.
   - Sealed (-3A and -3B) kits contain rejacketing tubes, sealant, a cable breakout, and plugs for both outdoor and indoor terminations.

3. Kit components can be purchased in bulk quantities (see table on page 4-12).

4. To order cable prep kits, see page 3-47.

Note: MOD-3-HVT kits should be installed prior to installing Raychem HVT kits.

Related Installation Instructions
MOD-3-HVT

Continues on the next page

MOD-3-HVT (continued)
3/C termination modification kits

MOD-3-HVT kit components and bulk ordering information

Kit catalog number	Kit components	Component catalog number	Bulk ordering catalog number
MOD-3X-HVT	Uncoated tubing to rejacket each phase	3 *each* MWTM-35/12-1200/U	MWTM-35/12-A/U
	Uncoated tubing to rejacket each ground	3 *each* MWTM-16/5-1500/U	MWTM-16/5-A/U
	Sealant strip	1 *each* S1085-3-380	S1085-3-380
MOD-3Y-HVT	Uncoated tubing to rejacket each phase	3 *each* MWTM-85/25-1500/U	LVIT-75/25-A/U
	Uncoated tubing to rejacket each ground	3 *each* MWTM-16/5-1200/U	MWTM-16/5-A/U
	Sealant strip	1 *each* S1085-3-380	S1085-3-380
MOD-3A-HVT	Uncoated tubing to rejacket each phase	3 *each* MWTM-35/12-1200/U	MWTM-35/12-A/U
	Uncoated tubing to rejacket each ground	3 *each* MWTM-16/5-1200/U	MWTM-16/5-A/U
	Sealant strip	1 *each* S1085-3-380	S1085-3-380
	Cable breakout boot	1 *each* CBR-6-1-A	CBR-6-1-A
	Cable breakout plugs	3 *each* CBR-PLUG	CBR-PLUG
	Sealant-coated shim tubing	1 *each* WCSM-70/21-150-S	WCSM-70/21-1200S
MOD-3B-HVT	Uncoated tubing to rejacket each phase	3 *each* MWTM-85/25-1500/U	LVIT-75/25-A/U
	Uncoated tubing to rejacket each ground	3 *each* MWTM-16/5-1200/U	MWTM-16/5-A/U
	Sealant strip	1 *each* S1085-3-380	S1085-3-380
	Cable breakout boot	1 *each* CBR-6-2-A	CBR-6-2-A
	Cable breakout plugs	3 *each* CBR-PLUG	CBR-PLUG
	Ground wire shim tubing	3 *each* WCSM-20/6-150S	WCSM-20/6-150S (B50)

Cold-applied terminations

New—

TFT-E, TFT-E-G/SG, TFT-E-SLC

1/C URD and polymeric terminations for jacketed and unjacketed concentric neutral cable, shielded power cable, and LC shielded power cable (15-35 kV)

Rated to IEEE-48-1996, class 1 termination.

TFT-E accommodates jacketed and unjacketed concentric neutral cable. For outdoor or indoor use.

TFT-E-G (indoor) and TFT-E-SG (outdoor) is for use on copper tape, wireshield, lead sheath, and Unishield cables.

TFT-E-SLC is for use on LC shield cables.

All offer advanced Metal Oxide Matrix stress control.

Description

TFT-E, TFT-E-G/SG, and TFT-E-SLC tool-free termination kits have been developed to provide a quick and easy, cold-applied method of terminating 15-35 kV, single-core polymeric cables. Both the TFT-E and TFT-E-SG are designed for indoor and outdoor conditions

TFT-E-G kits do not have skirts and should be used for 15 kV indoor applications.

TFT-E, TFT-E-G/SG, and TFT-E-SLC kits offer the following features and benefits:

- Advanced Metal Oxide Matrix stress control.
- Positive placement of stress patch.
- Provided on a crush-resistant core.
- Easy installation - allows for repositioning.

Selection information (dimensions in inches/millimeters)

Catalog number	Cable range (AWG/kcmil)	Insulation diameter (min./max.)	Number of skirts	Standard package (kits/box)
For CN and JCN cable (15 kV)				
TFT-151E	#2–250	0.64–1.09 (16-28)	3	1 ea.
TFT-152E	4/0–500	0.85–1.45 (22-37)	3	1 ea.
TFT-153E	500–750	1.06–1.70 (27-43)	3	1 ea.
TFT-154E	1000–1250	1.49–2.20 (38-56)	3	1 ea.
For CN and JCN cable (25 kV)				
TFT-251E	#1–3/0	0.64–1.09 (16-28)	5	1 ea.
TFT-252E	#1–500	0.85–1.45 (22-37)	5	1 ea.
TFT-253E	250–750	1.06–1.70 (27-43)	5	1 ea.
TFT-254E	750–1250	1.49–2.20 (38-56)	5	1 ea.
For CN and JCN cable (35 kV)				
TFT-351E	1/0	0.64–1.09 (16-28)	8	1 ea.
TFT-352E	1/0–250	0.85–1.45 (22-37)	8	1 ea.
TFT-353E	1/0–500	1.06–1.70 (27-43)	8	1 ea.
TFT-354E	500–1250	1.49–2.20 (38-56)	8	1 ea.
For shielded cable - Indoor (15 kV)				
TFT151E-G	#2–250	0.64–1.09 (16-28)	0	3 ea.
TFT152E-G	4/0–500	0.85–1.45 (22-37)	0	3 ea.
TFT153E-G	500–750	1.06–1.70 (27-43)	0	3 ea.
TFT154E-G	1000–1250	1.49–2.20 (38-56)	0	3 ea.
For shielded cable - Outdoor (15 kV)				
TFT151E-SG	#2–250	0.64–1.09 (16-28)	3	3 ea.
TFT152E-SG	4/0–500	0.85–1.45 (22-37)	3	3 ea.
TFT153E-SG	500–750	1.06–1.70 (27-43)	3	3 ea.
TFT154E-SG	1000–1250	1.49–2.20 (38-56)	3	3 ea.

Selection information (dimensions in inches/millimeters) continues

Catalog number	Cable range (AWG/kcmil)	Insulation diameter (min./max.)	Number of skirts	Standard package (kits/box)
For shielded cable (25 kV)				
TFT251E-SG	#1–3/0	0.64–1.09 (16-28)	5	3 ea.
TFT252E-SG	#1–500	0.85–1.45 (22-37)	5	3 ea.
TFT253E-SG	250–750	1.06–1.70 (27-43)	5	3 ea.
TFT254E-SG	750–1250	1.49–2.20 (38-56)	5	3 ea.
For shielded cable (35 kV)				
TFT351E-SG	1/0	0.64–1.09 (16-28)	8	3 ea.
TFT352E-SG	1/0–250	0.85–1.45 (22-37)	8	3 ea.
TFT353E-SG	1/0–500	1.06–1.70 (27-43)	8	3 ea.
TFT354E-SG	500–1250	1.49–2.20 (38-56)	8	3 ea.
For LC shielded cable (15 kV)				
TFT151E-SLC	#2–250	0.64–1.09 (16-28)	3	3 ea.
TFT152E-SLC	4/0–500	0.85–1.45 (22-37)	3	3 ea.
TFT153E-SLC	500–750	1.06–1.70 (27-43)	3	3 ea.
TFT154E-SLC	1000–1250	1.49–2.20 (38-56)	3	3 ea.
For LC shielded cable (25 kV)				
TFT251E-SLC	#1–3/0	0.64–1.09 (16-28)	5	3 ea.
TFT252E-SLC	#1–500	0.85–1.45 (22-37)	5	3 ea.
TFT253E-SLC	250–750	1.06–1.70 (27-43)	5	3 ea.
TFT254E-SLC	750–1250	1.49–2.20 (38-56)	5	3 ea.
For LCa shielded cable (35 kV)				
TFT351E-SLC	1/0	0.64–1.09 (16-28)	8	3 ea.
TFT352E-SLC	1/0–250	0.85–1.45 (22-37)	8	3 ea.
TFT353E-SLC	1/0–500	1.06–1.70 (27-43)	8	3 ea.
TFT354E-SLC	500–1250	1.49–2.20 (38-56)	8	3 ea.

Ordering information

1. The -SG and -SLC kits contain a solder-blocked ground braid and a solderless ground clamp.

2. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables manufactured in accordance with the data contained in AEIC CS5-1987, and CS6-1987 as well as the dimensions of commonly used connectors.

   Nominal insulation thickness
   (100%): 15 kV: 175 mils
   25 kV: 260 mils
   35 kV: 345 mils

3. For cables manufactured to other specifications, confirm selection with cable dimensions.

4. Kits do not contain connectors; order compression or solder connectors separately.

5. To order cable prep kits, see page 3-49.

6. See page 4-7 for testing information.

7. Related test reports:
   15 kV: EDR 5302
   25 kV: EDR 5303
   35 kV: EDR 5299

   Installation Instructions
   TFT-150E-SLC TFT-250E-SLC
   TFT-350E-SLC TFT-150E
   TFT-250E TFT-350E
   TFT-150E-G TFT-150E-SG
   TFT-250E-SG TFT-350E-SG

8. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40”(20-61mm). See page 4-25.

Cold-applied terminations

Rated to IEEE-48-1996, class 1 termination requirements.

CATS is designed for indoor or outdoor use. For use on concentric neutral and jacketed concentric neutral cable.

New—

CATS

1/C jacketed and unjacketed URD power cable (15-35 kV)

Description

CATS terminations provide Raychem material technology in a cold-applied system. CATS supplies superior electrical performance via the new Metal Oxide Matrix stress control system.

CATS termination kits offer the following features and benefits:

- Simple positive position slide-on installation.
- Indefinited shelf life: no tension set.
- Effective moisture seals.
- Push-on design.
- Reduced waste.

Selection information (dimensions in inches/millimeters)

Catalog number	Cable range (AWG/kcmil)	Insulation diameter (min./max.)	Number of skirts	Standard package (kits/box)
(15 kV)				
CATS-151	#2–1/0	0.57–0.91 (14-23)	3	1 ea.
CATS-152	2/0–350	0.76–1.18 (19-30)	3	1 ea.
CATS-153	250–750	0.94–1.35 (24-34)	3	1 ea.
CATS-154	750–1000	1.32–1.75 (33-44)	3	1 ea.
(25 kV)				
CATS-251	#1	0.57–0.91 (14-23)	5	1 ea.
CATS-252	#1–2/0	0.76–1.18 (19-30)	5	1 ea.
CATS-253	2/0–350	0.94–1.35 (24-34)	5	1 ea.
CATS-254	500–1000	1.32–1.75 (33-44)	5	1 ea.
(35 kV)				
CATS-352	1/0	0.76–1.18 (19-30)	8	1 ea.
CATS-353	1/0–250	0.94–1.35 (24-34)	8	1 ea.
CATS-354	350–750	1.32–1.75 (33.44)	8	1 ea.

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%- compact and concentric stranded cable dimensions.

   Nominal insulation thickness (100%): 15 kV: 175 mils
   25 kV: 260 mils
   35 kV: 345 mils
   Nominal insulation thickness (133%): 15 kV: 220 mils

2. For cables manufactured to other specifications, confirm selection with cable dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

4. Standard package: one single conductor kit/box.

5. See page 4-7 for testing information.

6. Related test reports:
   15 kV: EDR 5302
   25 kV: EDR 5303
   35 kV: EDR 5299

   Related Installation Instructions
   CATS-150 CATS-250 CATS-350

7. To order cable prep kits, see page 3-47.

8. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40”(20-61mm). See page 4-25.

Rated to IEEE-48-1996, class 1 termination requirements.

CATR is designed for indoor (in enclosures) use. For use on copper tape, wire shield, lead sheath, and Unishield cables.

New—

CATR

1/C shielded power cable (15-35 kV)

Description

CATR termination kits have been developed to provide a quick and easy cold-applied method of terminating . CATR terminations provide Raychem material technology in a cold-applied system.

CATR supplies superior electrical performance via the new Metal Oxide Matrix stress control system.

Features and benefits:
- Simple positive position slide-on installation.
- Indefinited shelf life: no tension set.
- One product for 5-15 kV cable.
- Effective moisture seals.
- Push-on design.
- Solderless ground connection.
- No skirts.

Selection information (dimensions in inches/millimeters)

Catalog number	Cable range (AWG/kcmil) 5 kV	8 kV	15 kV	Insulation diameter (min./max.)	Standard package (kits/box)
CATR-150	#2–1/0	#4–1/0	N/A	0.43–0.62 (11-16)	3 ea.
CATR-151	1/0–250	#1–250	#2–1/0	0.57–0.91 (14-23)	3 ea.
CATR-152	250–500	4/0–500	2/0–350	0.76–1.18 (19-30)	3 ea.
CATR-153	500–1000	350–750	250–500	0.94–1.35 (24-34)	3 ea.

Ordering information

1. Select the appropriate catalog number based on conductor size for your cable type. Confirm selection with cable diameter range. Selections are based on the typical dimensions of 100%- insulated cables manufatured in accordance with data contained in AEIC CS5-1987 as well as the dimensions of commonly used connectors.

   Nominal insulation thickness (100%): 5 kV: 90 mils
   8 kV: 115 mils
   15 kV: 175 mils
   Nominal insulation thickness (133%): 15 kV: 220 mils

2. Kits do not contain connectors; please order separately.

3. All kits include a solderless ground connection.

4. Standard package: three single conductor kits/box.

5. CATR kits do not have skirts (rainsheds)

6. See page 4-7 for testing information.

7. Related test reports: EDR 5302

   Related Installation Instructions
   CATR-150

8. To order cable prep kits, see page 3-47.

9. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40”(20-61mm). See page 4-25.

Cold-applied terminations

Rated to IEEE-48-1996, class 1 termination requirements.

CATR-S is designed for indoor or outdoor use. For use on copper tape, wire shield, lead sheath, and Unishield cables.

New—

CATR-S

1/C shielded power cable (15-35 kV)

Description

CATR-S termination kits have been developed to provide a quick and easy cold-applied method of terminating 15-35 kV single-core polymeric cables. CATR-S terminations provide Raychem material technology in a cold-applied system.

CATR-S supplies superior electrical performance via the new Metal Oxide Matrix stress control system.

Features and benefits:
- Simple positive position slide-on installation.
- Indefinite shelf life: no tension set.
- Effective moisture seals
- Push-on design
- Solderless ground connection

Selection information (dimensions in inches/millimeters)

Catalog number	Cable range (AWG/kcmil)	Insulation diameter (min./max.)	Number of skirts	Standard package (kits/box)
(15 kV)				
CATR-151S	#2–1/0	0.57–0.91 (14-23)	3	3 ea.
CATR-152S	2/0–350	0.76–1.18 (19-30)	3	3 ea.
CATR-153S	250–750	0.94–1.35 (24-34)	3	3 ea.
CATR-154S	750–1000	1.32–1.75 (33-44)	3	3 ea.
(25 kV)				
CATR-251S	#1	0.57–0.91 (14-23)	5	3 ea.
CATR-252S	#1–2/0	0.76–1.18 (19-30)	5	3 ea.
CATR-253S	2/0–350	0.94–1.35 (24-34)	5	3 ea.
CATR-254S	500–1000	1.32–1.75 (33-44)	5	3 ea.
(35 kV)				
CATR-352S	1/0	0.76–1.18 (19-30)	8	3 ea.
CATR-353S	1/0–250	0.94–1.35 (24-34)	8	3 ea.
CATR-354S	350–750	1.32–1.75 (33-44)	8	3 ea.

Ordering information

1. Select the appropriate catalog number based on conductor size for your cable type. Confirm selection with cable diameter range.

2. Kits do not contain connectors; please order separately.

3. All kits include a solderless ground connection.

4. Standard package: three single conductor kits/box.

5. CATR-S kits include skirts (rainsheds)

6. See page 4-7 for testing information.

7. Related test reports:
   15 kV: EDR 5302
   25 kV: EDR 5303
   35 kV: EDR 5299

   Related Installation Instructions
   CATR-150S CATR-250S
   CATR-350S

8. To order cable prep kits, see page 3-47.

9. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40" (20-61mm). See page 4-25.

Rated to IEEE-48, class 1, for outdoor (weather-exposed) use.

For use on wire shield, wire/metallic-tape shield, lead sheath, and jacketed concentric neutral cables.

Both kits contain a limited number of lightweight components with unlimited shelf life under normal storage conditions.

New—

EHVT-460-G/SG EHVT-690-G/SG and GHVT-690-G/SG

1/C shielded power cable (46 and 69 kV)

Description

Raychem's EHVT series high-voltage terminations utilize a stress control system that has been field-proven for more than 20 years.

Reduced installation costs
Because the 46 and 69 kV HVT kits use standard heat-shrink components, guide tubes are not needed for alignment, elastomer compression, computed venting, or field compound filling. Only standard cable support systems are needed, reducing steel structure or poletop support requirements.

Available in gray color
For applications where gray appearance is preferred, GHVT 69 kV terminations are now available. These terminations meet the same criteria as Raychem's EHVT kits. GHVT kits have gray outer tubes and skirts.

Superior high-contamination withstand
The unique high-voltage insulating sleeve is a field-proven, nontracking, and erosion-resistant material that does not require periodic cleaning. The material properties have been formulated to be thermally stable and highly resistant to UV degradation, weathering, and environmental pollution.

Positive environmental seal
The cable, along with external ground, is sealed from moisture ingress using Raychem's proven high-voltage, heat-activated scaling system. No field engineering or additional accessory kits are required.

Selection information (dimensions in inches/millimeters)

Catalog number		Conductor size (AWG/kcmil)	Insulation diameter (min –max.)	Jacket O.D. (max.)
Indoor	Outdoor			
46 kV				
EHVT-462-G	EHVT-462-SG	#2–4/0	1.18–1.77 (30–45)	2.36 (60)
EHVT-463-G	EHVT-463-SG	250–750	1.47–2.05 (38–52)	2.75 (70)
EHVT-464-G	EHVT-464-SG	1000–1500	1.97–2.56 (50–65)	3.35 (85)
EHVT-465-G	EHVT-465-SG	1750–2500	2.48–3.03 (63–77)	3.94 (100)
69 kV				
EHVT-691-G	EHVT-691-SG	1/0–350	1.50–2.05 (38–52)	2.65 (67)
EHVT-692-G	EHVT-692-SG	350–1000	1.95–2.55 (50–65)	3.25 (83)
EHVT-693-G	EHVT-693-SG	1000–2000	2.50–3.05 (64–77)	3.95 (100)
New— GHVT-69 kV (gray)				
GHVT-691-G	GHVT-691-SG	1/0–350	1.50–2.05 (38–52)	2.65 (67)
GHVT-692-G	GHVT-692-SG	350–1000	1.95–2.55 (50–65)	3.25 (83)
GHVT-693-G	GHVT-693-SG	1000–2000	2.50–3.05 (64–77)	3.95 (100)

Ordering information on next page.

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables manufactured in accordance with the data contained in AEIC CS6-1982 and AEIC CS7-1987, as well as the dimensions of commonly used connectors.

   Nominal insulation thickness (100%):
   46 kV: 420 mils
   69 kV: 650 mils

2. For cables manufactured to other specifications, confirm selection with cable dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

4. Standard package: 1 kit/box.

5. Installed length:
   46 kV:
   Indoor (-G): 32" (813 mm).
   Outdoor (-SG): 40" (1016 mm).
   69 kV:
   Indoor (-G): 42"(1067 mm).
   Outdoor (-SG): 52"(1321 mm).

6. See page 4-4 for testing information.

7. To order cable prep kits, see page 3-49.

8. Related test report:
   46 kV: PPR-1085
   69 kV: EDR-5241

   Related Installation Instructions
   EHVT-46 EHVT-69

8. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40”(20-46mm). See page 4-25.

LC shield terminations

Rated to IEEE-48-1990, class 1.

Indoor (in enclosures) or outdoor (weather-exposed) use.

For use on LC shield cables.

HVT-LC/SLC
1/C LC shield cable (15–35 kV)

Selection information (dimensions in inches/millimeters)

Catalog number		Conductor size (AWG/kcmil)	Insulation diameter (min.–max.)	Jacket O.D. (max.)
Indoor	Outdoor			
15 kV				
HVT-151-LC	HVT-151-SLC	#2–3/0	0.65–1.00 (17–25)	1.45 (37)
HVT-152-LC	HVT-152-SLC	4/0–350	0.85–1.40 (22–36)	1.85 (47)
HVT-153-LC	HVT-153-SLC	500–1000	1.15–1.70 (29–43)	2.20 (56)
HVT-154-LC	HVT-154-SLC	1250–2000	1.60–2.15 (41–55)	2.70 (69)
Installed length: 15 (381)				
25 kV				
HVT-252-LC	HVT-252-SLC	#2–400	0.85–1.40 (22–36)	1.80 (46)
HVT-253-LC	HVT-253-SLC	400–1000	1.25–1.80 (32–46)	2.50 (64)
HVT-254-LC	HVT-254-SLC	1000–1500	1.60–2.10 (41–55)	2.70 (69)
Installed length: 26 (660)				
35 kV				
HVT-352-LC	HVT-352-SLC	#1–250	1.05–1.40 (27–36)	1.90 (48)
HVT-353-LC	HVT-353-SLC	250–1250	1.25–2.10 (32–55)	2.60 (66)
Installed length: 33 (838)				

Ordering Information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated and 133%-insulated cables manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987, as well as the dimensions of commonly used connectors.

   Nominal insulation thickness: (100%)
   15 kV: 175 mils
   25 kV: 260 mils
   35 kV: 345 mils

   Nominal insulation thickness: (133%)
   15 kV: 220 mils

2. For cables manufactured to other specifications, confirm selection with cable dimensions.

3. HVT-LC/SLC kits are supplied with two pieces of #4 AWG braid to provide fault-current carrying capacity. Users should verify the compatibility of the braids with their LC shield cable.

4. Kits do not contain connectors; order compression or solder connectors separately.

5. Indoor (-LC) kits include a solderless ground connection.

6. Outdoor (-SLC) kits include skirts for outdoor use and a solderless ground connection. To order skirts separately, see page 4-27.

7. Miscellaneous accessories are found on pages 3-49 and 3-50.

8. Standard package: 1 kit/box.

9. See page 4-4 for testing information.

10. Related test reports:
    15 kV: EDR-5218
    25 kV: EDR-5219
    35 kV: EDR-5222

    Related Installation Instructions
    HVT 15-35kV LC

11. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40” (20-46mm). See page 4-25.

URD cable terminations

Rated to IEEE-48-1990, class 1, and RUS listed.

Indoor (in enclosure) or outdoor (weather-exposed) use.

For use on concentric neutral and jacketed concentric neutral cables.

HVT-J/SJ
1/C unjacketed and jacketed URD cable (15–35 kV)

Description

HVT-J/SJ terminations are lightweight. They can be mounted directly to fuse cutouts, eliminating the need for extra support brackets.

As with all HVT kits, these URD terminations offer superior UV stability and a nontracking outer surface.

Selection information (dimensions in inches/millimeters)

Catalog number		Conductor size (AWG/kcmil)	Insulation diameter (min.–max.)	Jacket O.D. (max.)
Indoor	Outdoor			
15 kV				
HVT-151-J	HVT-151-SJ	#2–3/0	0.65–1.00 (17–25)	1.45 (37)
HVT-152-J	HVT-152-SJ	4/0–350	0.85–1.40 (22–36)	1.85 (47)
HVT-153-J	HVT-153-SJ	500–1000	1.15–1.70 (29–43)	2.20 (56)
HVT-154-J	HVT-154-SJ	1250–2000	1.60–2.15 (41–55)	2.70 (69)
Installed length: 15 (381)				
25 kV				
HVT-252-J	HVT-252-SJ	#2–400	0.85–1.40 (22–36)	1.80 (46)
HVT-253-J	HVT-253-SJ	400–1000	1.25–1.80 (32–46)	2.50 (64)
HVT-254-J	HVT-254-SJ	1000–1500	1.60–2.10 (41–53)	2.70 (69)
Installed length: 26 (660)				
35 kV				
HVT-352-J	HVT-352-SJ	#1–250	1.05–1.40 (27–36)	1.90 (48)
HVT-353-J	HVT-353-SJ	250–1250	1.25–2.10 (32–53)	2.60 (66)
HVT-354-J	HVT-354-SJ	1500–2000	2.00–2.70 (51–69)	3.30 (84)
Installed length: 33 (838)				

Ordering Information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%- and 133%-insulated cables manufactured in accordance with the data contained in AEIC CS5-1987 and AEIC CS6-1987, as well as the dimensions of commonly used connectors.

   Nominal insulation thickness 100%:
   15 kV: 175 mils
   25 kV: 260 mils
   35 kV: 345 mils
   Nominal insulation thickness 133%:
   15 kV: 220 mils

2. For cables manufactured to other specifications, confirm selection with cable dimensions.

3. Kits do not contain connectors; order compression or solder connectors separately.

4. Indoor (-J) kits are suitable for unjacketed and jacketed URD cable.

5. Outdoor (-SJ) kits include skirts for outdoor use and are suitable for unjacketed and jacketed URD cable. To order skirts separately, see page 4-27.

6. To order cable prep kits, see page 3-49.

7. Standard package: 1 kit/box.

8. See page 4-4 for testing information.

9. Related test reports:
   15 kV: EDR-5218
   25 kV: EDR-5219
   35 kV: EDR-5222

   Related Installation Instructions
   HVT 15-35kV -J

10. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40”(20-46mm).See page 4-25.

Rated to IEEE-48, class 1 termination.

Accommodates belted or shielded paper-insulated, lead-covered (PILC) or varnished cambric-insulated (VCLC) cable.

HVT-1590-G/SG, HVT-3-1590-G/SG
15-kV terminations, (1/C, 3/C) PILC/VCLC

Description

Raychem's HVT-1590-G/SG and HVT-3-1590-G/SG series heat-shrinkable high-voltage terminations combine proven oil-sealing capabilities with stress-control and nontracking technologies to terminate 15-kV 1/C and 3/C PILC/VCLC cables.

The HVT-1590-G/SG and HVT-3-1590-G/SG heat-shrinkable terminations install quickly and easily, with no need for special adapters, compound filling, lead-wiping, or hot oils.

The HVT-1590-G/SG and HVT-3-1590-G terminations are fully qualified to applicable sections of IEEE-48 to provide a long, trouble-free product life. In addition, these terminations have been pressure tested to perform at 110°C and 15 psi under load-cycling conditions.

Selection information (dimensions in inches/millimeters)

Kit description		Conductor size	Insulation diameter	Installed length			
				Indoor		Outdoor	
Indoor	Outdoor	(AWG/kcmil)	(min.)	(min.)	(max.)	(min.)	(max.)
HVT-3-1590-G/SG 3/C PILC/VCLC cable							
HVT-3-1591-G	HVT-3-1591-SG	#4–4/0	0.60 (15)	31.5 (800)	35 (888)	28 (711)	40 (1015)
HVT-3-1592-G	HVT-3-1592-SG	4/0–400	0.85 (22)	31.5 (800)	35 (888)	28 (711)	40 (1015)
HVT-3-1593-G	HVT-3-1593-SG	500–800	1.00 (25)	31.5 (800)	35 (888)	28 (711)	40 (1015)

Kit description		Conductor size	Insulation diameter	Installed length	
Indoor	Outdoor	(AWG/kcmil)	(min.)	Indoor	Outdoor
New — HVT-1590-G/SG 1/C PILC/VCLC cable					
HVT-1591-G	HVT-1591-SG	#4–2/0	0.65 (16)	22.4 (570)	22.4 (570)
HVT-1592-G	HVT-1592-SG	3/0–400	0.80 (20)	22.4 (570)	22.4 (570)
HVT-1593-G	HVT-1593-SG	400–1000	1.05 (27)	23.6 (600)	23.6 (600)

Ordering information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100%-insulated cables manufactured in accordance with the data contained in AEIC 1-1968.

   Nominal insulation thickness (100%): 165 mils

2. Lugs are not supplied in the kits and should be ordered separately. Use oil block lugs only.

3. Standard package quantity: 1 kit (Each 3/C kit contains all components required to terminate one 3/C PILC cable) per box.

4. Related test report: EDR-5245.

   Related Installation Instructions
   HVT-3-1590-G
   HVT-1590-G(SG)

5. To order cable prep kit, see page 3-49.

6. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40"(20-46mm).See page 4-25.

Technical data on next page.

Technical data

The Raychem HVT-1590-G/SG and HVT-3-1590-G PILC/VCLC terminations have been tested to and meet the following IEEE-48-1990 requirements:

Test	Requirement
AC withstand, 1 minute	50 kV
AC dry withstand, 6 hours	35 kV
Impulse (BIL) 1.2 x 50 µs	95 kV
DC withstand, 15 minutes	75 kV
Cyclic aging, 30 cycles at 110°C conductor temp. with 17-kV and 15-psi internal pressure (one cycle = 8 hours on/16 hours off)	Passed
Post load cycling impulse (BIL) 1.2 x 50 µs	95 kV
Pressure test, 30-psi internal pressure for 1 hour	Passed
The Raychem HVT-3-1590-SG PILC/VCLC terminations have been tested to: Impulse (BIL) 1.2 x 50 µs	110 kV

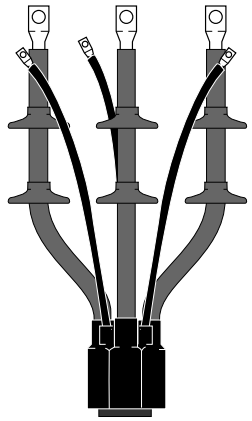
Flexible cable terminations

Rated to IEEE-48, class 1, for indoor or outdoor use.

High-voltage, nontracking terminations for standard flexible and mining cables (MP-GC and SHD-GC).

HVT-M
Flexible cable termination (5–25 kV)

Description



Raychem's heat-shrinkable terminations for mining cables (HVT-M) provide for nontracking termination of 5- to 25-kV MP-GC and SHD-GC flexible cables.

The proven, nontracking insulation surface can withstand the rigors of long-term electrical stress and surface pollution while maintaining its overall performance.

For outdoor applications in polluted and dusty environments, the creepage path is quickly extended by simply installing heat-shrinkable skirts.

The tubing and molded parts shrink quickly, providing a tight fit and minimizing downtime.

Selection information (dimensions in inches/millimeters)

		Power conductor size (AWG/kcmil)			
Catalog number		5 kV		8 kV	
Indoor	Outdoor*	3/C MP-GC	3/C SHD-GC	3/C MP-GC	3/C SHD-GC
5–8 kV					
HVT-M-581	HVT-M-581-S	#2–3/0	#6–2/0	#4–2/0	#4–#1
HVT-M-582	HVT-M-582-S	4/0–350	3/0–300	3/0–350	1/0–300
HVT-M-583	HVT-M-583-S	500–750	350–500	500–750	350–500
15 kV		**15 kV**			
HVT-M-151	HVT-M-151-S	#2–4/0	#2–3/0		
HVT-M-152	HVT-M-152-S	250–500	4/0–500		
25 kV		**25 kV**			
HVT-M-251	HVT-M-251-S	#1–250	#1–4/0		
HVT-M-252	HVT-M-252-S	350–500	250–500		

Ordering information

1. Select the appropriate catalog number based on conductor size for your cable type. Confirm selection with cable diameter range.

2. Kits do not contain connectors; please order separately.

*3. "S" (outdoor) kits include skirts (rain sheds).

4. For longer tail lengths or for cable types not listed in this catalog, contact your local Raychem representative.

5. Standard package:
   1 three-conductor kit/box.

6. See page 4-4 for testing information.

7. Related test reports:
   5/8 kV: EDR-5217
   15 kV: EDR-5218
   25 kV: EDR-5219

   Related Installation Instruction
   HVT-M

8. To order miscellaneous cable accessories, see pages 3-49 and 3-50.

9. Cable mounting brackets are available to accommodate cable diameters from 0.80-2.40"(20-46mm).See page 4-25.

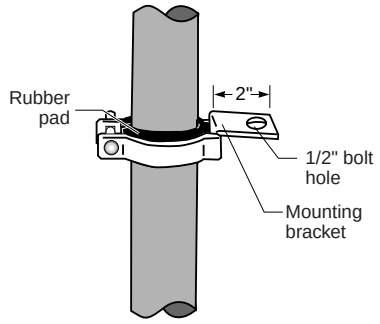
Miscellaneous termination accessories

For use with terminations or other applications where cable mounts are needed.

Includes a mounting bracket and rubber pad.

New — ## BRKT-SS
Cable mounting brackets

Description



Raychem cable mounting brackets are versatile and may be used outdoors. The brackets are constructed of stainless steel and include all hardware.

The brackets are suitable for use on all types of cables.

Selection information (dimensions in inches/millimeters)

Catalog number	Cable range O.D. range
BRKT-1-SS	0.80–1.25 (20-32)
BRKT-2-SS	1.10–1.50 (28-38)
BRKT-3-SS	1.45–1.95 (37-50)
BRKT-4-SS	1.80–2.40 (46-61)

Ordering information

1. Standard package: 1 bracket/box

2. Order brackets based on cable diameter, confirm size with use range.

3. Related test report: NCTR-99-065

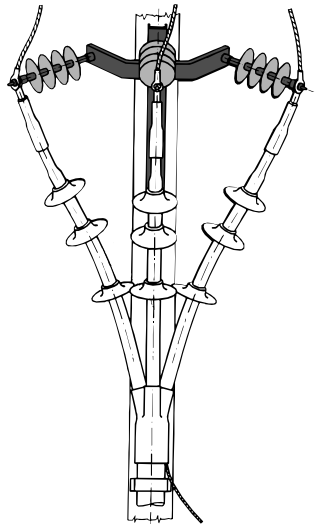
Related Installation Instructions
BRKT-1SS BRKT-2SS BRKT-3SS
BRKT-4SS

Used with Raychem high-voltage outdoor termination kits (15–35 kV).

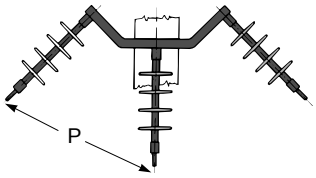
Includes a galvanized steel T-bracket, three insulators for poletop mounting, and installation instructions.

EAKT-1520 mounting kits

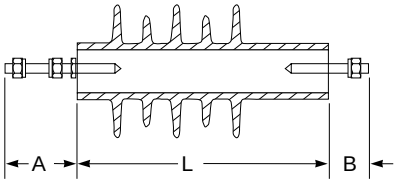
Description



FRONT



TOP



Raychem offers a mounting bracket and support insulators for poletop mounting of Raychem high-voltage terminations. The EAKT-1520 series mounting kits provide a galvanized steel bracket, three insulators for mounting outdoor terminations, and installation instructions.

The bracket is dip galvanized to meet outdoor requirements (BS 729). The insulators are lightweight and shatterproof. They combine a strong and flexible polymeric core with Raychem's proven high-voltage, nontracking material.

Selection information (dimensions in inches/millimeters)

Catalog number	Voltage class (kV)	Insulator dimensions				No. of skirts	Min. creepage length	Mechanical capabilities (ft. lb)	
		P	L	A	B			Cantilever	Torque M12
EAKT 1521	15	12.5 (310)	7.6 (195)	2.6 (65)	1.4 (35)	5	15.4 (390)	184	37
EAKT 1523	25	17.0 (430)	12.0 (305)	2.6 (65)	1.4 (35)	9	26.0 (660)	184	37
EAKT 1524	35	22.0 (560)	15.0 (380)	2.6 (65)	1.4 (35)	11	43.3 (1100)	516	37

Ordering information

1. Standard package: 1 kit/box.

2. Related test reports: UVR-8150
UVR-8166

Use with Raychem high-voltage termination kits for outdoor applications.*

Mod-S-Skirts

Selection information (dimensions in inches/millimeters)

Catalog number	Cable insulation diameter (min.–max.)	Standard package (skirts/box)
MOD-S1-314-Skirts	0.35–0.55 (9–14)	6
MOD-S2-325-Skirts	0.60–1.25 (15–32)	6
MOD-S3-336-Skirts	0.85–1.75 (22–44)	6
MOD-S4-346-Skirts	1.15–2.45 (29–62)	6
MOD-S5-357-Skirts	2.00–3.30 (50–84)	6

Ordering information

*1. Raychem outdoor termination kits (-S) include appropriate number of skirts for the particular voltage. Mod-S skirts are available here for stocking purposes.

2. See the table below for the number of skirts needed at each voltage.

Voltage	Number of skirts
5/8 kV	1
15 kV	2
25 kV	3
35 kV	4

3. To order additional ground braids, clamps, or prep kits, please see pages 3-49 and 3-50.

Trade Price List

Effective January 1, 2000

(replaces February 1, 1998)

tyco / Electronics

Energy Products

X. 83

tyco / Electronics

Energy Products
8000 Purfoy Rd.
Fuquay-Varina, NC 27526
(800) 327-6996
Fax (800) 527-8350

Raychem
Electrical Products

Trade Price List
Effective January 1, 2000
(replaces February 1, 1998)

	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	200D 944-4/97 (B10)	1 pc	37.24	10 pc/box	2	6.5x6x4
	200D 955-4/97 (B5)	1 pc	38.38	5 pc/box	2	6.5x6x4
	200D 966-4/97 (B5)	1 pc	40.63	5 pc/box	2	6.5x6x4
	200D 977-4/97 (B12)	1 pc	67.77	12 pc/box	3	10x7x4
	205A 046-4/97 (B20)	1 pc	21.90	20 pc/box	3	23.2x9.7x12.5
	205A 047-4/97 (B10)	1 pc	36.92	10 pc/box	3	23.2x9.7x12.5
	205A 058-4/97 (B5)	1 pc	44.59	5 pc/box	3	23.2x9.7x12.5
	205A 420-4/172 (B9)	1 pc	65.55	9 pc/box	13	30x10x10
	205A 440-4/172 (B5)	1 pc	93.32	5 pc/box	10	30x10x10
	205A 460-4/172 (B5)	1 pc	114.58	5 pc/box	10	10x10x50
	AD-1358	1 ea	81.42	1 ea/box	1.5	22x22x18.5
	AD-1432	1 ea	33.54	1 ea/box	2.2	22x22x18.5
	AD-1434	1 ea	79.91	1 ea/box	1.4	14x12x4
	AD-1460	1 ea	79.81	1 ea/box	0.2	7x6x4
	AD-1563	1 ea	20.72	1 ea/box	1	7x6x4
	AD-3015-04	1 ea	36.61	1 ea/box	2	12X12X4
	ALK-L823 (B10)	1 kit	5.12	10 kit/box	2	26x8x8
	BBIT-25/10-A/U (B65)	1 ft	11.22	65 ft/box	12	20x20x4
+	BBIT-25/10-A/U-C(100)	1 ft	11.22	330 ft/spool	59	31x31x15
	BBIT-40/16-A/U (B60)	1 ft	11.70	60 ft/box	13	18x18x8.5
+	BBIT-40/16-A/U-C(150)	1 ft	11.70	495 ft/spool	106	31x31x15
	BBIT-65/25-A/U (B50)	1 ft	13.01	50 ft/box	17	18x18x6
+	BBIT-65/25-A/U-C(100)	1 ft	13.01	330 ft/spool	100	31x31x15
	BBIT-100/40-A/U (B50)	1 ft	19.45	50 ft/box	22	18x18x8.5
+	BBIT-100/40-A/U-C(80)	1 ft	19.45	260 ft/spool	113	31x31x15
	BBIT-150/60-A/U (B50)	1 ft	28.20	50 ft/box	32.2	23x23x11
+	BBIT-150/60-A/U-C(70)	1 ft	28.20	230 ft/spool	170	31x31x15
	BBIT-175/80-A/U (B50)	1 ft	40.26	50 ft/box	45	16x16x16
+	BBIT-175/80-A/U-C(60)	1 ft	40.26	195 ft/spool	170	31x31x15
	BCIC-0270	1 ea	40.50	1 ea/box		
	BCIC-0370	1 ea	56.25	1 ea/box		
	BCIC-1117 (B3)	1 ea	47.03	3 ea/box		
	BCIC-2117 (B3)	1 ea	47.03	3 ea/box		
	BCIC-3212 (B3)	1 ea	106.86	3 ea/box		8x8x42
	BCIC-3212-03 (B3)	1 ea	74.86	3 ea/box		19x13.5x6
	BCIC-3312	1 ea	103.75	1 ea/box	3.5	10x10x30
	BCIC-3312-03	1 ea	78.10	1 ea/box	2	10x10x30
	BCIC-4411 (B3)	1 ea	55.39	3 ea/box		
	BCIC-4-DOBLE (B3)	1 ea	342.85	3 ea/box		23.2x9.7x12.5
	BCIC-4/12/4-H (B3)	1 ea	76.02	3 ea/box		15x12.5x10
	BCIC-4/16/4-H (B3)	1 ea	92.85	3 ea/box		
	BCIC-5D/6(B3)	1 ea	31.40	3 ea/box		18X17X7

*** = Bulk Pack Option**
Customer determined qty
+ = bulk Pack Option
Raychem determined qty

	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	BCIC-5D/6(B15)	1 ea	31.40	15 ea/box		
	BCIC-5.5D/11-H0(B3)	1 ea	45.00	3 ea/box		18X17X7.5
	BCIC-5.5D/11-H0(B15)	1 ea	45.00	15 ea/box		
	BCIC-5.5D/16-H0 (B3)	1 ea	73.50	3 ea/box		
	BCIC-5.5D/16-H1 (B3)	1 ea	73.50	3 ea/box		
	BCIC-6/12/4(B3)	1 ea	90.00	3 ea/box		18.2X18.2X9
	BCIC-7/12/7-H (B3)	1 ea	85.16	3 ea/box		
	BCIC-7.5D/11-DB-(B3)	1 ea	158.00	3 ea/box		16X16X16
	BCIC-7.5D/18-3(B3)	1 ea	137.14	3 ea/box		20X20X21
	BCIC-8/12/2-U(B12)	1 ea	42.85	12 ea/box		16X16X16
	BCIC-8D/15-H0(B3)	1 ea	82.85	3 ea/box		22.9x22.9x11.1
	BCIC-8D/18-H0(B3)	1 ea	85.00	3 ea/box		18X17X7.5
	BCIC-9D/19-3(B3)	1 ea	142.85	3 ea/box		20X20X21
	BCIC-12/12/5-H (B3)	1 ea	95.00	3 ea/box		
	BCIC-13D/13-H0(B3)	1 ea	157.00	3 ea/box		16X16X16
	BCIC-14/19/6-U (B3)	1 ea	190.00	3 ea/box		22x22x18.5
	BCIC-24/11/12-U (B3)	1 ea	231.00	3 ea/box		
	BCIC-ABC-(B3)	1 ea	80.00	3 ea/box		
	BCIC-LATCH (B1000)	1 ea	0.35	1000 ea/box		
	BCIC-SG-101 (B3)	1 ea	54.57	3 ea/box		
	BCIC-SG-201(B3)	1 ea	122.42	3 ea/box		22.9x22.9x11.1
	BCIC-TR205-R (B3)	1 ea	83.50	3 ea/box		22.9x22.9x11.1
	BCIC-TR205-L (B3)	1 ea	83.50	3 ea/box		22.9x22.9x11.1
	BCIS-6-1.0M-LONG(BULK)	1 ea	262.00	Bulk		
	BCIS-6-1.5M-LONG(BULK)	1 ea	385.00	Bulk		
	BISG-60/115-01 (B10)	1 ea	89.00	10 ea/box		
	BOCL-20-1636-SMALL-3-M326	1 ea	8.78	25 ea/box	4	10x7x4
	BOCL-20-1066-MED-3-M326	1 ea	10.71	25 ea/box	4	10x7x4
	BP-46 (B3)	1 ea	20.61	3 ea/box	1	6.5x6x4
	BPTM-15/6-A/U (B50)	1 ft	4.52	50 ft/box	5.5	18.2x18.2x8.5
+	BPTM-15/6-A/U-C(300)	1 ft	4.52	990 ft/spool	58	31x31x15
	BPTM-30/12-A/U (B50)	1 ft	4.92	50 ft/box	7.2	18.2x18.2x7.5
+	BPTM-30/12-A/U-C(200)	1 ft	4.92	660 ft/spool	69	31x31x15
	BPTM-50/20-A/U (B50)	1 ft	6.54	50 ft/box	9.6	18.2x18.2 x8.5
+	BPTM-50/20-A/U-C(150)	1 ft	6.54	495 ft/spool	101	31x31x15
	BPTM-75/30-A/U (B50)	1 ft	7.65	50 ft/box	13	18.2x18.2x8.5
+	BPTM-75/30-A/U-C(100)	1 ft	7.65	330 ft/spool	85	31x31x15
	BPTM-100/40-A/U (B50)	1 ft	10.66	50 ft/box	18	18.2x18.2x8.5
+	BPTM-100/40-A/U-C(80)	1 ft	10.66	260 ft/spool	86	31x31x15
	BPTM-120/50-A/U (B50)	1 ft	15.24	50 ft/box	31.7	23x23x11
+	BPTM-120/50-A/U-C(70)	1 ft	15.24	230 ft/spool	97	31x31x15
	BPTM-175/70-A/U (B50)	1 ft	20.44	50 ft/box	29	16x16x16

*** = Bulk Pack Option**
Customer determined qty
+ = bulk Pack Option
Raychem determined qty

	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
+	BPTM-175/70-A/U-C(60)	1 ft	20.44	195 ft/spool	120	31x31x15
	BPTM-205/110-A/U (B50)	1 ft	31.27	50 ft/box	50	16x16x16
+	BPTM-205/110-A/U-C(50)	1 ft	31.27	165 ft/spool	100	31x31x15
	BPTM-235/130-A/U (S20)	1 ft	39.00	66 ft/spool		
	BRACKET-1-CABLE-MTG-SS	1 ea	23.69	1 pc/box	1	6X6X6
	BRACKET-2-CABLE-MTG-SS	1 ea	25.01	1 pc/box	1	6X6X6
	BRACKET-3-CABLE-MTG-SS	1 ea	28.57	1 pc/box	1	6X6X6
	BRACKET-4-CABLE-MTG-SS	1 ea	35.72	1 pc/box	1	6X6X6
	CATR-150	1 kit	47.64	3 kit/box	4	13X10X4
	CATR-151	1 kit	56.43	3 kit/box	4	13X10X4
	CATR-151S	1 kit	77.16	3 kit/box	5	13X10X4
	CATR-152	1 kit	72.53	3 kit/box	4	13X10X4
	CATR-152S	1 kit	94.97	3 kit/box	5	13X10X4
	CATR-153	1 kit	86.80	3 kit/box	4	13X10X4
	CATR-153S	1 kit	119.76	3 kit/box	5	13X10X4
	CATR-154	1 kit	129.99	3 kit/box	4	13X10X4
	CATR-154S	1 kit	165.50	3 kit/box	5	13X10X4
	CATR-251S	1 kit	160.60	3 kit/box	5	13X10X4
	CATR-252S	1 kit	160.60	3 kit/box	5	13X10X4
	CATR-253S	1 kit	202.54	3 kit/box	5	13X10X4
	CATR-254S	1 kit	248.60	3 kit/box	5	13X10X4
	CATR-352S	1 kit	229.73	3 kit/box	6	17X12X7
	CATR-353S	1 kit	229.73	3 kit/box	6	16X12X7
	CATR-354S	1 kit	303.30	3 kit/box	6	16X12X7
	CATS-151	1 kit	40.67	1 kit/box	4	17X6X3
	CATS-152	1 kit	53.27	1 kit/box	4	17X6X3
	CATS-153	1 kit	80.79	1 kit/box	4	17X6X3
	CATS-154	1 kit	89.53	1 kit/box	4	17X6X3
	CATS-251	1 kit	68.96	1 kit/box	5	17X6X3
	CATS-252	1 kit	68.96	1 kit/box	5	17X6X3
	CATS-253	1 kit	83.87	1 kit/box	5	17X6X3
	CATS-254	1 kit	96.47	1 kit/box	5	17X6X3
	CATS-352	1 kit	111.00	1 kit/box	6	17X6X3
	CATS-353	1 kit	111.00	1 kit/box	6	17X6X3
	CATS-354	1 kit	154.97	1 kit/box	6	17X6X3
	CBR-2-1-A	1 pc	17.78	3 pc/box	1.5	6.5x6x4
	CBR-2-2-A	1 pc	19.49	3 pc/box	1.5	6.5x6x4
	CBR-2-3-A	1 pc	24.49	3 pc/box	1.5	12.5x10.125x7
	CBR-3-1-A	1 pc	27.55	3 pc/box	1.5	6.5x6x4
	CBR-3-2-A	1 pc	39.64	3 pc/box	1.5	10x7x4
	CBR-3-3-A	1 pc	44.87	3 pc/box	1.5	12.5x10.125x7
	CBR-3-4-A	1 pc	71.49	3 pc/box	2.7	15x12.5x10
	CBR-4-1-A	1 pc	26.00	3 pc/box	1.5	6.5x6x4
	CBR-4-2-A	1 pc	45.50	3 pc/box	1.5	10x7x4
	CBR-4-3-A	1 pc	60.66	3 pc/box	2	15x12.5x10

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	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	CBR-4-4-A	1 pc	75.69	3 pc/box	2	15x12.5x10
	CBR-6-1-A	1 pc	89.92	3 pc/box	3	12.5x10.125x7
	CBR-6-2-A	1 pc	105.59	3 pc/box	4	15x12.5x10
	CBR-PLUG	1 pc	6.55	6 pc/box	0.5	6.5x6x4
	CFTS-1	1 pc	9.34	5 pc/box	2.5	6.5x6x4
	CFTS-2	1 pc	10.80	5 pc/box	2.5	6.5x6x4
	CFTS-3	1 pc	15.42	5 pc/box	3	6.5x6x4
	CFTS-4	1 pc	26.38	5 pc/box	4.5	10x7x4
	CFTS-5	1 pc	55.06	5 pc/box	8	12.5x10.125x7
	CITM-28/14	1 ft	4.42	300 ft/spool		
	CITM-28/14-2110/212	1 pc	45.41	24 pc/box		7x7x68
	CITM-58/29	1 ft	7.99	200 ft/spool	72	31x31x15
	CITM-92/46	1 ft	12.25	150 ft/spool	101	31x31x15
	CRPS-248	1 strip	15.04	20 strip/box	12	19x14x6
	CRPS-260	1 strip	18.78	20 strips/box	20	19x14x6
	CRPS-290	1 strip	25.42	15 strip/box	20	19x14x6
	CRPS-2120	1 strip	31.48	10 strip/box	18	19x14x6
*	CRSM-34/10-200	1 pc	10.07	3 pc/box	2	10x7x4
	CRSM-34/10-1200	1 pc	54.82	5 pc/box	6.9	50x5x5
*	CRSM-53/13-200	1 pc	12.16	10 pc/box	2	10x7x4
	CRSM-53/13-1200	1 pc	66.39	5 pc/box	7.9	50x5x5
	CRSM-84/20-750	1 pc	46.86	10 pc/box	6	50x10x5
	CRSM-84/20-1200	1 pc	71.45	5 pc/box	10	50x10x5
	CRSM-107/29-1000	1 pc	76.51	10 pc/box	5	50x10x5
	CRSM-107/29-1200	1 pc	89.59	5 pc/box	9.3	10x5x50
	CRSM-143/36-1200	1 pc	126.21	5 pc/box	13.4	50x10x5
	CRSM-198/55-1200	1 pc	177.48	5 pc/box	15	10x5x50
	CRSM-CT-34/10-150	1 kit	11.92	10 kit/box	4	13x10x14
	CRSM-CT-53/13-200	1 kit	15.96	10 kit/box	4.5	12.5x10.125x7
	CRSM-CT-84/20-250	1 kit	23.56	10 kit/box	5.5	12.5x10.125x7
	E4540-1250 (RDSS Lube)	1 ea	3.71	25 pc/box	15	12X10X4
	E7512-0160 (RDSS Cartridges)	1 ea	2.03	10 ea/box	3	4.5x4x2
	E7512-0200 (Gas Cylinder)	1 ea	11.20	1 ea/box	1	6x6x6
	E7512-0220 (Tube Snap Assembly)	1 ea	47.60	1 ea/box	1	4.5x4x7
	E7512-0240 (Pressure Gauge)	1 ea	45.03	1 ea/box	1	6x6x6
	E7512-0260 (Delivery Pipe)	1 ea	4.25	1 ea/box	1	4.5x4x2
	EAKT-1521	1 kit	349.36	1 kit/box	7	36x36x36
	EAKT-1523	1 kit	414.56	1 kit/box	7	36x36x36
	EAKT-1524	1 kit	591.30	1 kit/box	7	40x38x38
	EHVS-6920-W	1 kit	1,984.50	1 kit/box	25	7x7x68
	EHVS-6921-W	1 kit	2,425.50	1 kit/box	28	7x7x68
	EHVS-6922-W	1 kit	2,756.25	1 kit/box	30	7x7x68

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	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	EHVS-6923-W	1 kit	3,031.88	1 kit/box	32	7x7x68
	EHVT-462-G	1 kit	826.88	1 kit/box	14	6x6x30
	EHVT-462-SG	1 kit	937.13	1 kit/box	15	42x5x5
	EHVT-463-G	1 kit	882.00	1 kit/box	15	6x6x30
	EHVT-463-SG	1 kit	992.25	1 kit/box	16	8x8x42
	EHVT-464-G	1 kit	937.13	1 kit/box	16	30x10x10
	EHVT-464-SG	1 kit	1,047.38	1 kit/box	17	8x8x42
	EHVT-465-G	1 kit	992.25	1 kit/box	17	30x10x10
	EHVT-465-SG	1 kit	1,118.00	1 kit/box	18	30x10x10
	EHVT-691-G	1 kit	1,515.94	1 kit/box	14	10x10x50
	EHVT-691-SG	1 kit	1,758.49	1 kit/box	15	10x5x50
	EHVT-692-G	1 kit	1,600.83	1 kit/box	15	7x7x60
	EHVT-692-SG	1 kit	1,879.76	1 kit/box	16	10x10x50
	EHVT-693-G	1 kit	1,673.60	1 kit/box	16	7x7x60
	EHVT-693-SG	1 kit	1,970.17	1 kit/box	17	7x7x60
	EPPA-112-3-125	1 pc	0.53	200 pc/box	1	6x5x5
	ESA-1	1 kit	18.01	3 kit/box	2.5	16x5x5
	ESA-2	1 kit	20.86	3 kit/box	3	19x8x7
*	ESC-1/A	1 pc	1.68	50 pc/box	0.5	6.5x6x4
*	ESC-2/A	1 pc	2.12	50 pc/box	1	10x7x4
*	ESC-3/A	1 pc	2.98	40 pc/box	2.3	12.5x10.125x7
*	ESC-4/A	1 pc	4.62	20 pc/box	3	15x12.5x10
*	ESC-5/A	1 pc	7.61	10 pc/box	2.8	15x12.5x10
*	ESC-6/A	1 pc	10.46	10 pc/box	3.4	15x12.5x10
*	ESC-7/A	1 pc	12.48	10 pc/box	5	15x12.5x10
	FCSM-9/3-1200-S	1 pc	32.17	25 pc/box	5	50x5x5
	FCSM-9/3-A/U	1 ft	5.60	100 ft/box	8	18.2x18.2x7.5
*	FCSM-19/6-150-S	1 pc	4.58	50 pc/box	3	13x10x14
	FCSM-19/6-1200-S	1 pc	33.85	25 pc/box	11	10x5x50
	FCSM-19/6-A/U	1 ft	5.84	100 ft/box	9.5	18.2x18.2x7.5
+	FCSM-19/6-A/U-C(250)	1 ft	5.84	825 ft/spool	45	31x31x15
*	FCSM-28/9-225-S	1 pc	7.77	50 pc/box	7.5	12.5x10.125x7
	FCSM-28/9-1200-S	1 pc	37.65	25 pc/box	20	10x10x50
	FCSM-28/9-A/U	1 ft	6.70	65 ft/box	13.5	18.2x18.2x7.5
+	FCSM-28/9-A/U-C(150)	1 ft	6.70	495 ft/spool	50	31x31x15
*	FCSM-38/12-300-S	1 pc	13.49	40 pc/box	14	15x10.125x7
	FCSM-38/12-1200-S	1 pc	51.31	10 pc/box	14	10x5x50
	FCSM-38/12-A/U	1 ft	8.31	50ft/box	13.5	18.2x18.2x7.5
+	FCSM-38/12-A/U-C(120)	1 ft	8.31	395 ft/spool	55	31x31x15
*	FCSM-51/16-300-S	1 pc	16.02	30 pc/box	13	15x12.5x10
	FCSM-51/16-1200-S	1 pc	61.03	10 pc/box	14.4	50x10x10
	FCSM-51/16-A/U	1 ft	9.58	40 ft/box	13.5	18.2x18.2x7.5

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	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
+	FCSM-51/16-A/U-C(100)	1 ft	9.58	330 ft/spool	60	31x31x15
	FCSM-68/22-1200-S	1 pc	91.15	10 pc/box	20	10x10x5
	FCSM-68/22-A/U	1 ft	12.65	80 ft/box	35	24x24x8
	FCSM-90/30-1200-S	1 pc	110.00	5 pc/box	15	50x10x10
	FCSM-90/30-1500/U	1 pc	78.90	5 pc/box	16	63x10x10
	FCSM-120/40-1200-S	1 pc	192.96	5 pc/box	19	50x10x10
	FCSM-120/40-1500/U	1 pc	135.23	5 pc/box	20	63x10x10
	FCSM-177/63-600-S	1 pc	139.70	6 pc/box	16	50x10x10
	FCSM-177/63-1200-S	1 pc	272.61	5 pc/box	27	50x10x10
	FCSM-177/63-1500/U	1 pc	202.37	5 pc/box	28	63x10x10
	FH-2618A-1	1 ea	108.61	1 ea/box	1.8	12x4x3
	FH-2629-TORCH-ASSY	1 ea	101.22	1 ea/box	2	12X12X7
	FH-2629-TORCH-KIT	1 ea	207.77	1 ea/box	6	16X11X7
	FH-2629 ELECTRODE	1 ea	12.15	1 ea/box	1	6x5x5
	FH-2649-PS-KIT	1 ea	298.48	1 kit/box	5	12x24x10
	FH-AD-3341	1 ea	76.17	1 kit/box	1	12X12X4
*	GHFC-1-90	1 ea	6.40	10 ea/box	2	6.5x6x4
*	GHFC-2-90	1 ea	8.74	10 ea/box	4	10x7x4
	GILS-4/0(B18)	1 ea	11.95	18 ea/box	5	12x10x4
	GILS-4/0(B72)	1 ea	11.95	72 ea/box	21	19x15x8
	GHVT-691-G	1 ea	1515.94	1 kit/box	14	13X9X50
	GHVT-691-SG	1 ea	1758.49	1 kit/box	15	10X5X50
	GHVT-692-G	1 ea	1600.83	1 kit/box	15	40X8X8
	GHVT-692-SG	1 ea	1879.76	1 kit/box	16	13X9X50
	GHVT-693-G	1 ea	1673.60	1 kit/box	16	13X9X50
	GHVT-693-SG	1 ea	1970.17	1 kit/box	17	13X9X50
	HG-501A	1 ea	121.42	1 ea/box	5	10x5x5
	HG-751A-C	1 ea	121.42	1 ea/box	5	10x5x5
	HMSS-4-40	1 ea	2.17	100 ea/box	1	6x5x5
	HMSS-6-40	1 ea	2.46	100 ea/box	1	6x6x6
	HVBC-41	1 kit	67.41	3 kit/box	3.9	19x8x7
	HVBC-42	1 kit	128.37	3 kit/box	5.3	30x6x6
	HVBC-43	1 kit	182.48	3 kit/box	4	23.2x9.7x12.5
	HVBC-44	1 kit	217.40	3 kit/box	4	6x6x30
	HVBC-61	1 kit	73.34	3 kit/box	5	19x8x7
	HVBC-62	1 kit	145.51	3 kit/box	5.5	6x6x30
	HVBC-63	1 kit	220.90	3 kit/box	5.5	23.2x9.7x12.5
	HVBC-64	1 kit	261.07	3 kit/box	5.5	15x12.5x10
	HV-BRAID-4-1520	1 pc	23.60	3 pc/box	5	17x5x5
	HV-BRAID-6-1520	1 pc	20.41	3 pc/box	5	17x5x5
	HV-BRAID-8-1520	1 pc	17.32	3 pc/box	5	17x5x5
	HVBT-1-R	1 roll	52.08	8 roll/box	6	9x6x6
	HVBT-2-R	1 roll	89.44	4 roll/box	6	9x6x6

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
HVBT-4-R	1 roll	148.99	2 roll/box	6	9x6x6
HVCE-100/80-01	1 pc	34.38	6 pc/box	5	15x12.5x10
HVCE-120/100-01	1 pc	38.34	6 pc/box	5	15x12.5x10
HVCE-140/120-01	1 pc	40.87	6 pc/box	6	15x12.5x10
HVCE-160/140-01	1 pc	52.86	6 pc/box	7	15x12.5x10
HVCE-183/161-01	1 pc	57.04	6 pc/box	7	15x12.5x10
HVCE-205/184-01	1 pc	63.07	6 pc/box	7	15x12.5x10
HVCE-226/206-11	1 pc	81.82	3 pc/box	3	21x21x7
HVCE-247/227-11	1 pc	99.69	3 pc/box	3	21x21x7
HVCE-268/248-11	1 pc	112.50	3 pc/box	3	21x21x7
HVCE-289/269-11	1 pc	131.19	3 pc/box	3	21x21x7
HVCE-310/290-11	1 pc	173.77	3 pc/box	3	21x21x7
HVCE-331/311-11	1 pc	187.47	3 pc/box	4	21x21x7
HVCE-352/332-11	1 pc	202.81	3 pc/box	4	21x21x7
HVCE-373/353-11	1 pc	218.08	3 pc/box	4	21x21x7
HVCE-394/374-11	1 pc	233.48	3 pc/box	4	21x21x7
HVCE-WA-244-01-A	1 pc	127.14	1 pc/box		
HVCE-WA-319-01-A	1 pc	155.71	1 pc/box		
HVE-1591	1 kit	171.15	1 kit/box	10	30X6X6
HVE-1592	1 kit	172.20	1 kit/box	10	30X6X6
HVE-1593	1 kit	186.06	1 kit/box	10	30X6X6
HVE-1594	1 kit	203.07	1 kit/box	10	30X6X6
HVES-1521D	1 kit	163.12	1 kit/box	2.9	30x6x6
HVES-1522D	1 kit	196.06	1 kit/box	4.5	30x6x6
HVES-1523D	1 kit	235.42	1 kit/box	5	19x8x7
HVES-1524D	1 kit	342.14	1 kit/box	6	15.5x9.5x8
HVES-2521D	1 kit	240.97	1 kit/box	4	6x6x30
HVES-2522D	1 kit	276.74	1 kit/box	6	6x6x30
HVES-2523D	1 kit	313.24	1 kit/box	7	6x6x30
HVES-3-1591	1 kit	664.60	1 kit/box	7.5	30x6x6
HVES-3-1592	1 kit	794.59	1 kit/box	9	19x8x7
HVES-3-1593	1 kit	878.83	1 kit/box	10	30x10x10
HVES-3-1594	1 kit	1,040.68	1 kit/box	11	30x10x10
HVES-3-2591E	1 kit	952.56	1 kit/box	15	32X10X5
HVES-3-2592E	1 kit	1050.91	1 kit/box	17	40X8X8
HVES-3-2593E	1 kit	1277.78	1 kit/box	20	32X10X5
HVIS-05	1 pc	71.36	3 pc/box	7.5	23x13x4
HVIS-10	1 pc	1,346.21	1 pc/box	38	31x9x9
HVIS - Angle	1 ea	6.45	12 ea/box		10x7x4
HVIS - Clamp	1 ea	3.94	25 ea/box		16.5x4.5x5
HVIS - Flat	1 ea	5.14	12 ea/box		37x5.5x3
HV-MSK-3/C-581	1 kit	174.02	1 kit/box	4	42x5x5

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	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	HV-MSK-3/C-582	1 kit	191.16	1 kit/box	4.2	30x6x6
	HV-MSK-3/C-584	1 kit	275.01	1 kit/box	7	10x5x50
	HVOT-32/10	1 ft	20.03	50 ft/box	3	21x21x7
+	HVOT-32/10-A/U-C(250)	1 ft	20.03	825 ft/spool	70	31x31x15
	HVOT-38/12	1 ft	23.55	50 ft/box	3.5	21x21x7
+	HVOT-38/12-A/U-C(200)	1 ft	23.55	660 ft/spool	95	31x31x15
	HVOT-50/16	1 ft	25.95	50 ft/box	6	18.2x18.2x7.5
+	HVOT-50/16-A/U-C(150)	1 ft	25.95	495 ft/spool	100	31x31x15
	HVOT-62/21	1 ft	33.00	50 ft/box	8	21x21x7
+	HVOT-62/21-A/U-C(120)	1 ft	33.00	395 ft/spool	109	31x31x15
	HVOT-82/29	1 ft	41.40	50 ft/box	9	24x24x8
+	HVOT-82/29-A/U-C(100)	1 ft	41.40	330 ft/spool	115	31x31x15
	HVS-501	1 kit	60.74	3 kit/box	2.5	37x5.5x2.5
	HVS-502	1 kit	69.04	3 kit/box	3	30x6x6
	HVS-503	1 kit	94.18	3 kit/box	4.7	30x6x6
	HVS-821S	1 kit	77.30	1 kit/box	2.3	37x5.5x3
	HVS-822S	1 kit	92.92	1 kit/box	2	37x5.5x3
	HVS-823S	1 kit	103.92	1 kit/box	2.8	37x5.5x3
	HVS-824S	1 kit	131.26	1 kit/box	3	42x5x5
	HVS-825S	1 kit	155.28	1 kit/box	4.5	35x5x5
	HVS-1511E-R	1 kit	95.44	1 kit/box	4	30x6x6
	HVS-1511E-RJ	1 kit	134.71	1 kit/box	4.5	50x5x5
	HVS-1511S	1 kit	65.69	1 kit/box	2	37x5.5x3
	HVS-1511S-J	1 kit	90.26	1 kit/box	3.2	37x5.5x3
	HVS-1512E-R	1 kit	134.71	1 kit/box	5	37x5.5x3
	HVS-1512E-RJ	1 kit	176.00	1 kit/box	6	50x5x5
	HVS-1512S	1 kit	118.79	1 kit/box	3.75	37x5.5x3
	HVS-1512S-J	1 kit	151.40	1 kit/box	3.75	37x5.5x3
	HVS-1513S	1 kit	118.79	1 kit/box	5	37x5.5x3
	HVS-1513S-J	1 kit	189.35	1 kit/box	5	37x5.5x3
	HVS-1514E-R	1 kit	213.41	1 kit/box	6	6x6x30
	HVS-1514S	1 kit	149.59	1 kit/box	5	18.5x5.5x2.5
	HVS-1514S-J	1 kit	232.58	1 kit/box	5.8	42x5x5
	HVS-1521S	1 kit	131.14	1 kit/box	3.3	37x5.5x3
	HVS-1521S-W	1 kit	139.40	1 kit/box	4	37x5.5x3
	HVS-1522S	1 kit	212.93	1 kit/box	4	30x6x6
	HVS-1522S-W	1 kit	237.12	1 kit/box	4	37x5.5x3
	HVS-1523S	1 kit	256.39	1 kit/box	5	42x5x5
	HVS-1523S-W	1 kit	279.28	1 kit/box	5	37x5x5
	HVS-1524S	1 kit	334.13	1 kit/box	6.1	50x5x5
	HVS-1524S-W	1 kit	345.74	1 kit/box	7	28.5x5.5x3
	HVS-1525S	1 kit	538.33	1 kit/box	6.5	42x8x8

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
HVS-1525S-W	1 kit	562.73	1 kit/box	7	8x8x42
HVS-1531-LC	1 kit	118.25	1 kit/box	3.5	30x6x6
HVS-1532-LC	1 kit	189.89	1 kit/box	4	32x10x5
HVS-1533-LC	1 kit	237.46	1 kit/box	5	42x5x5
HVS-1534-LC	1 kit	291.65	1 kit/box	5.5	42x5x5
HVS-1581D	1 kit	290.85	1 kit/box	4	42x5x5
HVS-1582D	1 kit	373.21	1 kit/box	4.7	42x5x5
HVS-1583D	1 kit	419.27	1 kit/box	5.8	42x5x5
HVS-1584D	1 kit	501.39	1 kit/box	6	50x5x5
HVS-2511E	1 kit	116.43	1 kit/box	4	30x6x6
HVS-2511E-J	1 kit	149.10	1 kit/box	5.5	42x5x5
HVS-2511E-R	1 kit	160.58	1 kit/box	6	30x6x6
HVS-2511E-RJ	1 kit	229.60	1 kit/box	7.2	50x5x5
HVS-2512E	1 kit	163.29	1 kit/box	5	42x5x5
HVS-2512E-J	1 kit	190.47	1 kit/box	7.3	50x5x5
HVS-2512E-R	1 kit	208.19	1 kit/box	8	30x6x6
HVS-2512E-RJ	1 kit	297.68	1 kit/box	10	50x5x5
HVS-2513E	1 kit	221.40	1 kit/box	8	30x6x6
HVS-2513E-J	1 kit	255.94	1 kit/box	8.7	50x5x5
HVS-2513E-R	1 kit	243.49	1 kit/box	10	5x5x68
HVS-2513E-RJ	1 kit	345.76	1 kit/box	12	5x5x68
HVS-2521S	1 kit	248.79	1 kit/box	4.5	42x5x5
HVS-2522S	1 kit	343.37	1 kit/box	7.45	42x5x5
HVS-2523S	1 kit	428.93	1 kit/box	9	50x5x5
HVS-2531-LC	1 kit	186.98	1 kit/box	4.5	42x5x5
HVS-2532-LC	1 kit	238.85	1 kit/box	6.5	42x5x5
HVS-2533-LC	1 kit	320.93	1 kit/box	8.5	42x5x5
HVS-2582E	1 kit	459.81	1 kit/box	6.25	42x5x5
HVS-2583E	1 kit	522.83	1 kit/box	7.8	42x5x5
HVS-2584E	1 kit	616.59	1 kit/box	8.25	42x5x5
HVS-3511S	1 kit	207.22	1 kit/box	5.5	37x5.5x2.5
HVS-3511S-J	1 kit	276.39	1 kit/box	8.1	50x5x5
HVS-3511S-R	1 kit	298.23	1 kit/box	8.1	6x6x30
HVS-3512S	1 kit	350.61	1 kit/box	7	42x5x5
HVS-3512S-J	1 kit	424.84	1 kit/box	10	50x5x5
HVS-3512S-R	1 kit	311.65	1 kit/box	8.1	6x6x30
HVS-3513S	1 kit	523.43	1 kit/box	9	30x6x6
HVS-3513S-J	1 kit	637.63	1 kit/box	11.9	50x5x5
HVS-3513S-R	1 kit	585.36	1 kit/box	10	30x6x6
HVS-3521S	1 kit	428.87	1 kit/box	6	42x5x5
HVS-3522S	1 kit	584.02	1 kit/box	11.45	50x5x5
HVS-3523S	1 kit	806.31	1 kit/box	23	50x5x5

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
HVS-3531-LC	1 kit	346.56	1 kit/box	6	42x5x5
HVS-3532-LC	1 kit	532.74	1 kit/box	8	42x5x5
HVS-3533-LC	1 kit	776.33	1 kit/box	10	50x5x5
HVS-3582D	1 kit	615.97	1 kit/box	9	42x5x5
HVS-3583D	1 kit	808.93	1 kit/box	10	50x5x5
HVS-3584D	1 kit	1,104.85	1 kit/box	12	50x5x5
HVS-3-501	1 kit	241.67	1 kit/box	3	37x5.5x3
HVS-3-502	1 kit	288.09	1 kit/box	5.5	42x5x5
HVS-3-503	1 kit	374.89	1 kit/box	7.5	50x5x5
HVS-3-821S	1 kit	373.59	1 kit/box	9	42x5x5
HVS-3-822S	1 kit	429.73	1 kit/box	10.5	50x5x5
HVS-3-823S	1 kit	466.94	1 kit/box	12	50x5x5
HVS-3-824S	1 kit	572.69	1 kit/box	14	68x5x5
HVS-3-825S	1 kit	744.71	1 kit/box	15.5	68x5x5
HVS-3-1521S	1 kit	639.07	1 kit/box	13	68x5x5
HVS-3-1522S	1 kit	887.65	1 kit/box	14.5	60x7x7
HVS-3-1523S	1 kit	1,026.41	1 kit/box	16.5	60x7x7
HVS-3-1524S	1 kit	1,274.84	1 kit/box	19.5	60x7x7
HVS-3-1581S	1 kit	1,013.81	1 kit/box	24	7x7x68
HVS-3-1582S	1 kit	1,260.65	1 kit/box	24	7x7x60
HVS-3-1583S	1 kit	1,370.57	1 kit/box	24	7x7x68
HVS-3-1584S	1 kit	1,617.42	1 kit/box	24	7x7x68
HVS-3-1591	1 kit	1,257.55	1 kit/box	18.5	60x7x7
HVS-3-1592	1 kit	1,434.05	1 kit/box	20	64x7x7
HVS-3-1593	1 kit	1,586.24	1 kit/box	25	78x7x7
HVS-3-1594	1 kit	1,877.32	1 kit/box	28	78x7x7
HVS-3-1591S	1 kit	1,211.22	1 kit/box	18	7x7x68
HVS-3-1592S	1 kit	1,359.12	1 kit/box	20	7x7x68
HVS-3-1593S	1 kit	1,558.58	1 kit/box	22	7x7x68
HVS-3-2521S	1 kit	1,151.20	1 kit/box	13	60x7x7
HVS-3-2522S	1 kit	1,341.43	1 kit/box	14.5	19x8x7
HVS-3-2523S	1 kit	1,624.23	1 kit/box	16	60x7x7
HVS-3-2591E	1 kit	1,467.20	1 kit/box	18	60x7x7
HVS-3-2592E	1 kit	1,683.32	1 kit/box	20	60x7x7
HVS-3/C-1	1 kit	78.21	1 kit/box	5	42x5x5
HVS-3/C-2	1 kit	133.87	1 kit/box	5.4	50x5x5
HVS-3/C-3	1 kit	214.32	1 kit/box	10.8	68x8x8
HVS-3/C-4	1 kit	258.32	1 kit/box	12.3	64x7x7
HVS-EG-1	1 kit	17.27	3 kit/box	1.6	16.5x4x2.5
HVS-EG-2	1 kit	19.04	3 kit/box	2.1	18.5x5.5x2.5
HVS-EG-3	1 kit	23.27	3 kit/box	3.2	16.5x4x2.5
HVS-EG-3-1	1 kit	36.32	1 kit/box	3	16.5x4x2.5

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HVS-EG-3-2	1 kit	39.98	1 kit/box	3.5	16.5x4x2.5
HVS-EG-3-3	1 kit	49.02	1 kit/box	4	16.5x4x2.5
HVS-GC-0.5	1 pc	1.91	100 pc/box	16	6.5x6x4
HVS-GC-1.0	1 pc	2.68	100 pc/box	25	6.5x6x4
HVS-GC-1.5	1 pc	6.00	50 pc/box	20	10x7x4
HVS-LR-75/15-600	1 kit	90.09	3 kit/box	10	32x10x5
HVS-LR-75/15-1200	1 kit	155.61	3 kit/box	16	50x10x5
HVS-LR-160/42-600	1 kit	158.90	3 kit/box	12	32x10x5
HVS-LR-160/42-1200	1 kit	276.81	3 kit/box	18	50x10x5
HVS-LR-200/50-600	1 kit	222.78	3 kit/box	14	32x10x5
HVS-LR-200/50-1200	1 kit	389.85	3 kit/box	20	50x10x5
HVS-MESH-2-5000	1 pc	13.16	4 pc/box	1	9x6x6
HVS-SHIM-1	1 kit	44.81	1 kit/box	1	16.5x4.5x5
HVS-SHIM-2	1 kit	55.89	1 kit/box	2	4x2x12
HVS-SHIM-3	1 kit	61.95	1 kit/box	1.2	16.5x4.5x5
HVS-SHIM-4	1 kit	71.13	1 kit/box	1.4	16.5x4.5x5
HVS-SHIM-5	1 kit	80.71	1 kit/box	1.6	19x7x8
HVS-SHIM-6	1 kit	88.33	1 kit/box	1.6	19x7x8
HVS-T-1581E-S	1 kit	1,061.36	1 kit/box	12	50x5x5
HVS-T-1581S	1 kit	1,061.36	1 kit/box	11	50x5x5
HVS-T-1582E-S	1 kit	1,377.79	1 kit/box	16	10x10x50
HVS-T-1582S	1 kit	1,308.22	1 kit/box	15	50x10x10
HVS-T-1583E-S	1 kit	1,693.20	1 kit/box	20	10x10x50
HVS-T-1583S	1 kit	1,446.35	1 kit/box	19	50x10x10
HVS-T-1584S	1 kit	1,693.20	1 kit/box	23.5	60x7x7
HVS-T-1591S	1kit	1,159.46	1 kit/box	12	50x5x5
HVS-T-1592S	1 kit	1,370.44	1 kit/box	15	10x10x50
HVS-T-1593S	1 kit	1,516.05	1 kit/box	19	10x10x50
HVS-T-2582E	1 kit	1,568.19	1 kit/box	21	60x7x7
HVS-T-2583E	1 kit	1,757.28	1 kit/box	23.5	68x7x7
HVS-T-2584E	1 kit	1,937.18	1 kit/box	24	10x10x50
HVS-T-3582S	1 kit	2,066.48	1 kit/box	24	19x8x7
HVS-T-3583S	1 kit	2,442.20	1 kit/box	25	7x7x68
HVSA-1	1 kit	323.00	1 kit/box	9.1	50x5x5
HVSA-2	1 kit	426.18	1 kit/box	15	7x7x60
HVSA-3	1 kit	639.24	1 kit/box	20.8	7x7x60
HVSA-4	1 kit	809.77	1 kit/box	26	7x7x60
HVSA-3-501	1 kit	369.38	1 kit/box	7	42x5x5
HVSA-3-502	1 kit	420.30	1 kit/box	9.5	42x5x5
HVSA-3-503	1 kit	573.28	1 kit/box	20	7x7x60
HVSA-3-821S	1 kit	601.53	1 kit/box	19	50x5x5
HVSA-3-822S	1 kit	689.43	1 kit/box	20.5	50x5x5

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (Inches)
HVSA-3-823S	1 kit	834.05	1 kit/box	22	63x8x8
HVSA-3-824S	1 kit	934.52	1 kit/box	25	63x8x8
HVSA-3-825S	1 kit	1,254.92	1 kit/box	27.5	72x10x5
HVSA-3-1521S	1 kit	1,101.80	1 kit/box	22.5	60x7x7
HVSA-3-1522S	1 kit	1,405.44	1 kit/box	27	60x7x7
HVSA-3-1523S	1 kit	1,624.96	1 kit/box	31	60x7x7
HVSA-3-1524S	1 kit	1,698.08	1 kit/box	35	60x7x7
HVSA-3-1581S	1 kit	1,275.95	1 kit/box	27	7x7x68
HVSA-3-1582S	1 kit	1,545.85	1 kit/box	24	7x7x64
HVSA-3-1583S	1 kit	1,768.65	1 kit/box	26	7x7x60
HVSA-3-1584S	1 kit	2,015.51	1 kit/box	26	7x7x60
HVSH-1522-MOD	1 kit	69.74	1 kit/box	5	10x7x4
HVSH-1523-MOD	1 kit	81.52	1 kit/box	5	10x7x4
HVSH-1582D-MOD	1 kit	71.10	1 kit/box	7	10x7x4
HVSH-1583D-MOD	1 kit	83.11	1 kit/box	7	17X5X5
HVSR-1582	1 kit	413.45	1 kit/box	4.5	42x5x5
HVSR-1583	1 kit	459.49	1 kit/box	5.5	42x5x5
HVSR-1584	1 kit	541.72	1 kit/box	7.2	50x5x5
HVSR-2583E	1 kit	563.14	1 kit/box	6.5	42x5x5
HVSR-2584E	1 kit	656.90	1 kit/box	8.5	42x5x5
HVSR-T-1582	1 kit	1,406.86	1 kit/box	18	42x8x8
HVSR-T-1583	1 kit	1,544.87	1 kit/box	21	64x7x7
HVSR-T-1584	1 kit	1,791.56	1 kit/box	24	64x7x70
HVSR-T-2582E	1 kit	1,666.62	1 kit/box	21.5	63x10x10
HVSR-T-2583E	1 kit	1,855.72	1 kit/box	24	63x10x10
HVSY-1522S	1 kit	417.53	1 kit/box	7.5	42x5x5
HVSY-1523S	1 kit	502.24	1 kit/box	8.9	42x5x5
HVSY-1582D	1 kit	525.17	1 kit/box	6.5	42x5x5
HVSY-1583D	1 kit	631.84	1 kit/box	8.5	42x5x5
HVT-51	1 kit	17.76	3 kit/box	1.5	18.5x5.5x2.5
HVT-52	1 kit	19.13	3 kit/box	1.5	16.5x4.5x5
HVT-53	1 kit	20.31	3 kit/box	2	18.5x5.5x2.5
HVT-80-G	1 kit	46.73	3 kit/box	1.6	16.5x4.5x5
HVT-80-SG	1 kit	56.21	3 kit/box	2	16.5x4.5x5
HVT-81-G	1 kit	48.42	3 kit/box	1.8	16.5x4.5x5
HVT-81-SG	1 kit	57.96	3 kit/box	2	16.5x4.5x5
HVT-82-G	1 kit	61.59	3 kit/box	2.5	17x5x5
HVT-82-SG	1 kit	72.76	3 kit/box	2.4	16.5x4.5x5
HVT-83-G	1 kit	73.92	3 kit/box	2.9	16.5x4.5x5
HVT-83-SG	1 kit	87.91	3 kit/box	3	19x7x8
HVT-84-G	1 kit	88.20	3 kit/box	3.5	18x7x8
HVT-84-SG	1 kit	105.75	3 kit/box	5.5	19x7x8

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
HVT-151-G	1 kit	53.74	3 kit/box	2.1	16.5x4.5x5
HVT-151-SG	1 kit	73.42	3 kit/box	2	16.5x4.5x5
HVT-151-J	1 kit	51.05	1 kit/box	1	16.5x4x2.5
HVT-151-SJ	1 kit	64.23	1 kit/box	1	16.5x4x2.5
HVT-151-LC	1 kit	70.44	1 kit/box	1	16.5x4.5x5
HVT-151-SLC	1 kit	91.76	1 kit/box	2	16.5x4.5x5
HVT-152-G	1 kit	69.07	3 kit/box	2.5	16.5x4.5x5
HVT-152-SG	1 kit	90.45	3 kit/box	2.98	16.5x4.5x5
HVT-152-J	1 kit	65.60	1 kit/box	1.5	16.5x4.5x5
HVT-152-SJ	1 kit	75.09	1 kit/box	1.5	16.5x4.5x5
HVT-152-LC	1 kit	90.54	1 kit/box	1.5	68x5x5
HVT-152-SLC	1 kit	109.08	1 kit/box	2	16.5x4x2.5
HVT-153-G	1 kit	82.67	3 kit/box	3.5	16.5x4.5x5
HVT-153-SG	1 kit	114.05	3 kit/box	4.3	19x7x8
HVT-153-J	1 kit	78.53	1 kit/box	1.3	18.5x5.5x2.5
HVT-153-SJ	1 kit	90.19	1 kit/box	1.6	18.5x5.5x2.5
HVT-153-LC	1 kit	108.41	1 kit/box	1.5	18.5x5.5x2.5
HVT-153-SLC	1 kit	136.67	1 kit/box	2.5	16.5x4.5x5
HVT-154-G	1 kit	123.81	3 kit/box	5.3	19x7x8
HVT-154-SG	1 kit	157.62	3 kit/box	6.2	19 x7x8
HVT-154-J	1 kit	117.65	1 kit/box	2	18.5x5.5x2.5
HVT-154-SJ	1 kit	149.72	1 kit/box	3	19x8x7
HVT-154-LC	1 kit	162.33	1 kit/box	2	18.5x5.5x2.5
HVT-154-SLC	1 kit	181.82	1 kit/box	3	6x6x30
HVT-252-G	1 kit	115.37	3 kit/box	4.5	42x5x5
HVT-252-SG	1 kit	152.96	3 kit/box	5.5	42x8x8
HVT-252-J	1 kit	109.55	1 kit/box	2	37x5.5x3
HVT-252-SJ	1 kit	139.03	1 kit/box	2.3	37x5.5x3
HVT-252-LC	1 kit	132.64	1 kit/box	2	37x5.5x3
HVT-252-SLC	1 kit	175.90	1 kit/box	2.5	37x5.5x2.5
HVT-253-G	1 kit	131.44	3 kit/box	5.3	30x6x6
HVT-253-SG	1 kit	192.90	3 kit/box	6	30x10x10
HVT-253-J	1 kit	124.85	1 kit/box	2	6x6x30
HVT-253-SJ	1 kit	175.35	1 kit/box	3	6x6x30
HVT-253-LC	1 kit	151.14	1 kit/box	2	6x6x30
HVT-253-SLC	1 kit	212.28	1 kit/box	3	6x6x30
HVT-254-G	1 kit	191.11	3 kit/box	7	42x5x5
HVT-254-SG	1 kit	236.75	3 kit/box	9.5	42x8x8
HVT-254-J	1 kit	181.54	1 kit/box	2	6x6x30
HVT-254-SJ	1 kit	228.31	1 kit/box	3	42x5x5
HVT-254-LC	1 kit	219.75	1 kit/box	2	6x6x30
HVT-254-SLC	1 kit	262.58	1 kit/box	3	42x5x5

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
HVT-255-G	1 kit	252.74	3 kit/box	5.5	42x8x8
HVT-255-SG	1 kit	368.55	3 kit/box	7.5	42x8x8
HVT-352-G	1 kit	125.32	3 kit/box	7	42x5x5
HVT-352-SG	1 kit	174.37	3 kit/box	6.3	42x8x8
HVT-352-J	1 kit	113.11	1 kit/box	2	42x5x5
HVT-352-SJ	1 kit	142.65	1 kit/box	3.5	37x5.5x3
HVT-352-LC	1 kit	144.13	1 kit/box	2	42x5x5
HVT-352-SLC	1 kit	200.50	1 kit/box	3.5	42x5x5
HVT-353-G	1 kit	158.95	3 kit/box	6.5	42x8x8
HVT-353-SG	1 kit	218.79	3 kit/box	8	42x8x8
HVT-353-J	1 kit	143.48	1 kit/box	2.5	37x5.5x3
HVT-353-SJ	1 kit	189.84	1 kit/box	3.5	42x5x5
HVT-353-LC	1 kit	182.81	1 kit/box	2.5	42x5x5
HVT-353-SLC	1 kit	251.63	1 kit/box	3.5	42x5x5
HVT-354-G	1 kit	223.07	3 kit/box	9.2	42x8x8
HVT-354-SG	1 kit	288.85	3 kit/box	11	42x8x8
HVT-354-J	1 kit	201.37	1 kit/box	2.5	42x5x5
HVT-354-SJ	1 kit	260.65	1 kit/box	4	42x5x5
HVT-355-G	1 kit	332.40	3 kit/box	7	42x8x8
HVT-355-SG	1 kit	486.66	3 kit/box	10	42x8x8
HVT-1591-G	1 kit	168.29	1 kit/box	9	6X6X30
HVT-1591-SG	1 kit	218.57	1 kit/box	10	6X6X30
HVT-1592-G	1 kit	198.90	1 kit/box	9	6X6X30
HVT-1592-SG	1 kit	254.97	1 kit/box	10	6X6X30
HVT-1593-G	1 kit	219.84	1 kit/box	9	6X6X30
HVT-1593-SG	1 kit	281.84	1 kit/box	10	6X6X30
HVT-3-1591-G	1 kit	941.44	1 kit/box	27	8x8x42
HVT-3-1591-SG	1 kit	1,105.77	1 kit/box	30	8x8x42
HVT-3-1592-G	1 kit	1,219.88	1 kit/box	27	8x8x42
HVT-3-1592-SG	1 kit	1,363.66	1 kit/box	30	8x8x42
HVT-3-1593-G	1 kit	1,289.49	1 kit/box	27	8x8x42
HVT-3-1593-SG	1 kit	1,485.76	1 kit/box	30	8x8x42
HVT-M-151	1 kit	435.53	1 kit/box	3	50x5x5
HVT-M-151-S	1 kit	520.99	1 kit/box	6	72x10x5
HVT-M-152	1 kit	540.03	1 kit/box	3	50x5x5
HVT-M-152-S	1 kit	643.64	1 kit/box	6	72x10x5
HVT-M-251	1 kit	490.74	1 kit/box	4	42x5x5
HVT-M-251-S	1 kit	641.98	1 kit/box	6	64x8x8
HVT-M-252	1 kit	608.29	1 kit/box	5	42x5x5
HVT-M-252-S	1 kit	799.71	1 kit/box	6	64x8x8
HVT-M-581	1 kit	322.79	1 kit/box	3	42x5x5
HVT-M-581-S	1 kit	364.23	1 kit/box	5	72x10x5
HVT-M-582	1 kit	368.80	1 kit/box	3	37x5.5x3

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	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	HVT-M-582-S	1 kit	415.70	1 kit/box	5	50x10x5
	HVT-M-583	1 kit	491.36	1 kit/box	4	42x5x5
	HVT-M-583-S	1 kit	547.35	1 kit/box	6	68x5x5
	HVTF-115/49-1625/U	1 pc	78.70	25 pc/box	40	15x15x72
	JGK-MS-1	1 kit	29.41	3 kit/box	6	13x10x4
	JGK-MS-2	1 kit	35.64	3 kit/box	6.5	13x10x4
	JGK-MS-3	1 kit	39.33	3 kit/box	7	13x10x4
	LV-MSK-045	1 kit	27.84	20 kit/box	21	50x10x10
	LV-MSK-046	1 kit	27.84	15 kit/box	16	50x10x10
	LV-MSK-047	1 kit	46.83	10 kit/box	11	50x10x10
	LV-MSK-058	1 kit	60.08	5 kit/box	6	42x5x5
	LVBT-1-R	1 roll	33.83	8 roll/box	6	9x6x6
	LVBT-2-R	1 roll	58.16	4 roll/box	6	9x6x6
	LVBT-4-R	1 roll	96.80	2 roll/box	6	9x6x6
	LVIT-30/10-A/U	1 ft	3.59	200 ft/box	15	18.2x18.2x7.5
+	LVIT-30-10-A/U-C(250)	1 ft	3.59	825 ft/spool	50	31x31x15
	LVIT-75/25-A/U	1 ft	4.52	100 ft//box	15	18x18 x8.5
+	LVIT-75/25-A/U-C(120)	1 ft	4.52	395 ft/spool	55	31x31x15
	LVIT-150/50-A/U	1 ft	7.29	100 ft/box	26	22.9x22.9x11
+	LVIT-150/50-A/U-C(70)	1 ft	7.29	230 ft/spool	90	31x31x15
	LVSA-3-1	1 kit	73.98	1 kit/box	7	30x6x6
	LVSA-3-2	1 kit	85.15	1 kit/box	10	42x5x5
	LVSA-3-3	1 kit	152.63	1 kit/box	11	42x5x5
	LVSA-3-4	1 kit	168.09	1 kit/box	14	50x10x5
	MBSM-43/8-1200	1 pc	69.90	6 pc/box	18	10x5x50
	MBSM-75/15-1200	1 pc	88.81	6 pc/box	18	10x5x50
	MBSM-125/30-1200	1 pc	114.50	6 pc/box	20	10x5x50
	MBSM-160/42-1200	1 pc	161.29	6 pc/box	20	10x5x50
	MBSM-200/50-1200	1 pc	226.45	6 pc/box	26	10x10x50
	MCK-1L	1 kit	32.05	5 kit/box	4.5	13x10x14
	MCK-1V	1 kit	13.26	5 kit/box	1.25	13x10x4
*	MCK-1V-CAP	1 ea	3.56	60 ea/box	3	10x7x4
	MCK-2L	1 kit	50.72	5 kit/box	7.5	15.5x9.5x8
	MCK-2V	1 kit	21.75	5 kit/box	1.3	10x7x4
*	MCK-2V-CAP	1 ea	5.78	60 ea/box	3.5	13x10x4
	MCK-3V	1 kit	31.60	5 kit/box	2.6	13x10x4
*	MCK-3V-CAP	1 ea	8.55	60 ea/box	4	15x13x10
	MCK-4V	1 kit	53.61	5 kit/box	5.2	19x8x7
*	MCK-4V-CAP	1 ea	13.26	60 ea/box	5	16x16x16
	MCK-5-1L	1 kit	134.34	1 kit/box	1.8	16.5x4.5x5
	MCK-5-1V	1 kit	127.06	1 kit/box	1.3	10x7x4
	MCK-5-2L	1 kit	169.37	1 kit/box	2.4	16.5x4.5x5

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	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	MCK-5-2V	1 kit	145.62	1 kit/box	1.8	10x7x4
	MCK-5-3V	1 kit	169.72	1 kit/box	2.5	13x10x4
	MOD-3A-HVT	1 kit	269.09	1 kit/box	4	50x10x5
	MOD-3B-HVT	1 kit	296.00	1 kit/box	6	50x10x10
	MOD-3X-HVT	1 kit	149.81	1 kit/box	2.5	50x5x5
	MOD-3Y-HVT	1 kit	172.81	1 kit/box	4.3	50x10x5
	MOD-S1-314-SKIRTS	1 ea	10.21	6 ea/box	1	6.5x6x4
	MOD-S2-325-SKIRTS	1 ea	11.89	6 ea/box	1	6.5x6x4
	MOD-S3-336-SKIRTS	1 ea	14.68	6 ea/box	1	10x7x4
	MOD-S4-346-SKIRTS	1 ea	18.80	6 ea/box	1	12.5x10.125x7
	MOD-S5-357-SKIRTS	1 ea	40.10	6 ea/box	2	15x12.5x10
	MRS-12-10	1 kit	17.21	20 kit/box	8	60x7x7
	MRS-12-24	1 kit	37.38	10 kit/box	9	32x10x5
	MRS-34-24	1 kit	46.19	10 kit/box	13	32x10x5
	MRS-34-30	1 kit	57.14	10 kit/box	13.6	32x10x5
	MRS-56-30	1 kit	66.14	10 kit/box	16.5	32x10x5
	MVLC-18-A/U-C	1 ft	3.88	165 ft/spool		
	MVLC-18-A/241-C(50)	1 ft	4.30	165 ft/spool		
	MVLC-18-TOOL-01	1 ea	3,100.00	1 pc/box		
	MWTM-10/3-1200-S	1 pc	10.11	25 pc/box	12	50x5x5
	MWTM-10/3-A/U	1 ft	1.87	100 ft/box	7	18.2x18.2x7.5
	MWTM-16/5-1200-S	1 pc	10.90	25 pc/box	12	50x5x5
	MWTM-16/5-A/U	1 ft	1.99	100 ft/box	5.8	18.2x18.2x7.5
+	MWTM-16/5-A/U-C(350)	1 ft	1.91	1155 ft/spool	41	31x31x15
	MWTM-25/8-1200-S	1 pc	14.03	25 pc/box	12	10x5x50
	MWTM-25/8-A/U	1 ft	2.16	100 ft/box	7	18.2x18.2x7.5
+	MWTM-25/8-A/U-C(200)	1 ft	2.16	660 ft/spool	40	31x31x15
	MWTM-35/12-1200-S	1 pc	17.71	25 pc/box	14	50x10x5
	MWTM-35/12-A/U	1 ft	2.79	100 ft/box	8.9	18.2x18.2x7.5
+	MWTM-35/12-A/U-C(150)	1 ft	2.79	495 ft/spool	44	31x31x15
	MWTM-50/16-1200-S	1 pc	21.35	15 pc/box	12.4	50x 10x10
	MWTM-50/16-A/U	1 ft	4.43	75 ft/box	8	18.2x18.2x7.5
+	MWTM-50/16-A/U-C(100)	1 ft	4.43	330 ft/spool	41	31x31x15
	MWTM-85/25-1200-S	1 pc	35.43	5 pc/box	13	50x10x10
	MWTM-85/25-1500/U	1 pc	38.05	5 pc/box	14	63x10x10
	MWTM-115/34-1200-S	1 pc	49.80	5 pc/box	14	50x10x10
	MWTM-115/34-1500/U	1 pc	65.30	5 pc/box	15	63x10x10
	MWTM-140/42-1200-S	1 pc	73.53	5 pc/box	15	10x10x50
	MWTM-140/42-1500/U	1 pc	75.81	5 pc/box	16	63x10x10
*	OLIT-M	1 pc	86.40	3 pc/box	15	24x24x8
	OLIC-C-1000	1 ea	29.75	Bulk		
	OLIC-C-3000	1 ea	85.00	Bulk		

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
OLIC-O-1000	1 ea	28.00	Bulk		
OLIC-O-3000	1 ea	80.00	Bulk		
P-63	1 kit	10.69	12 kit/box	1.5	15x9x2
RDSS-45	1 ea	27.12	10 pc/box	2	20x10x4
RDSS-60	1 ea	34.10	10 pc/box	3	20x10x4
RDSS-75	1 ea	36.56	10 pc/box	3	20x10x4
RDSS-100	1 ea	43.51	10 pc/box	4	20x10x4
RDSS-125	1 ea	48.01	10 pc/box	4	20x10x4
RDSS-150	1 ea	54.92	10 pc/box	5	20x10x4
RDSS-AT/AP-150	1 ea	19.05	1 ea/box	1	4X4X8
RDSS-CLIP-45	1 ea	8.94	5 ea/box	1	11X5X4
RDSS-CLIP-75	1 ea	10.14	5 ea/box	1	11x5x4
RDSS-CLIP-100	1 ea	11.23	5 ea/box	1	11x5x4
RDSS-CLIP-125	1 ea	12.34	5 ea/box	1	11x5x4
RDSS-CLIP-150	1 ea	13.45	5 ea/box	1	11x5x4
RDSS-IG-SR-AS	1 ea	201.05	1 ea/box	3.75	15x12.5x10
RDSS-IT-16	1 ea	292.34	1 ea/box	3.5	15x12.5x10
RDSS Delivery Pipe (E7512-0260)	1 ea	4.25	1 ea/box	1	4.5x4x2
RDSS Gas Cartridges (E7512-0160)	1 ea	2.03	10 ea/box	3	4.5x4x2
RDSS Gas Cylinder Holder (E7512-0200)	1 ea	11.20	1 ea/box	1	6x6x6
RDSS Pressure Gauge (E7512-0240)	1 ea	45.03	1 ea/box	1	6x6x6
RDSS Tube Snap Assembly (E7512-0220)	1 ea	47.60	1 ea/box	1	4.5x4x7
RMK-6-4.2 (MOQ=20,000)	100 pcs	3.31	10,000 pc/box		
RMK-6-8.5 (MOQ=10,000)	100 pcs	7.62	10,000 pc/box		
RMK-6-12.7 (MOQ=6,000)	100 pcs	10.09	3000 pc/box		
RMK-6-17 (MOQ=5,000)	100 pcs	12.85	2500 pc/box		
RMK-6-25.4 (MOQ=3000)	100 pcs	24.18	3000 pc/box		
RMK-6-55 (MOQ=1500)	100 pcs	48.33	750 pc/box		
RMK-6-WM (MOQ=80 Meters)	1 box	372.26	40 meters/box		
RNF-100-1/16-25-color	1 spool	17.49	25 ft/spool	0.5	4x6x7
RNF-100-3/32-25-color	1 spool	19.59	25 ft/spool	1	4x6x7
RNF-100-1/8-25-color	1 spool	19.88	25 ft/spool	1	4x6x7
RNF-100-1/8-500-COLOR	100FT	35.79	500 ft/spool	9	23X23X11
RNF-100-3/16-25-color	1 spool	21.12	25 ft/spool	1	4x6x7
RNF-100-1/4-25-color	1 spool	22.29	25 ft/spool	1	4x6x7
RNF-100-1/4-250-COLOR	100FT	40.12	250 ft/spool	8	23X23X11
RNF-100-3/8-25-color	1 spool	24.17	25 ft/spool	1	4x6x7
RNF-100-3/8-200-COLOR	100FT	43.5	200 ft/spool	8	23X23X11
RNF-100-1/2-25-color	1 spool	26.65	25 ft/spool	1	4x6x7
RNF-100-1/2-150-COLOR	100FT	47.96	150 ft/spool	7	23X23X11
RNF-100-3/4-25-color	1 spool	37.45	25 ft/spool	1	4x6x7
RNF-100-1-25-color	1 spool	57.72	25 ft/spool	1.5	4x6x7
RNF-100-1-1/2-25-color	1 spool	128.37	25 ft/spool	2	4x6x7

RNF: See catalog for available colors.

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
RNF-100-2-25-color	1 spool	169.16	25 ft/spool	2	4x6x7
RRBB-6-1.25MX1.25M-B (B40)	1 ea	250.00	40 pc/pallet		
RSK-1	1 kit	25.18	3 kit/box	6	26x9x9
RSK-2	1 kit	32.17	3 kit/box	6.5	26x9x9
RSK-3	1 kit	40.20	3 kit/box	7	26x9x9
RVC-1V	1 kit	29.11	5 kit/box	2	10x7x4
RVC-2V	1 kit	40.30	5 kit/box	4	10x7x4
RVC-3V	1 kit	47.02	5 kit/box	6	13x10x14
RVC-4V	1 kit	72.76	5 kit/box	11	15x12.5x10
RVS-11	1 kit	5.32	5 kit/box	1.5	16.5x4x2.5
RVS-12	1 kit	7.58	5 kit/box	2	18.5x5.5x2.5
RVS-13	1 kit	11.97	5 kit/box	2.5	16.5x4.5x5
RVS-14	1 kit	17.78	5 kit/box	3.5	16.5x4.5x5
RVS-13-SK	1 kit	13.75	6 kit/box	2	13x10x14
RVS-14-SK	1 kit	17.53	6 kit/box	3	16.5x4.5x5
RVS-15-SK	1 kit	20.64	6 kit/box	3.5	12.5x10.125x7
S-1052-3-3000	1 roll	16.66	5 roll/box	4.6	13x10x14
S-1052-6-150	1 strip	1.00	50 strip/box	5	10x7x4
S-1085-3-380	1 strip	5.49	15 strip/box	1	16.5x4x2.5
S-1085-22-200	1 strip	10.18	60 strip/box	10	13x10x4
S-1171-4-300	1 strip	1.56	100 strip/box	5	13x10x4
S-1174-2-300	1 strip	1.50	25 strip/box	3	16.5x4x2.5
S-1174-4-460	1 strip	3.48	15 strip/box	11	18.5x5.5x2.5
S-1251-25-300-4	1 strip	6.49	25 strip/box	4	17x4x3
S-1278-3x61x7620(S1)	1 roll	43.32	25 ft/box	5	10x7x4
S-1251-50-300-1	1 strip	3.78	25 strip/box	1.4	16.5x4x2.5
SHRINKMARK-18-2.00-9 or 4, [2/3]	100 pcs	29.75	250 pcs/box	1	6x6x6
SHRINKMARK-12-2.00-9 or 4, [2/3]	100 pcs	31.19	250 pcs/box	1	6x6x6
SHRINKMARK-10-2.00-9 or 4 , [2/3]	100 pcs	33.08	250 pcs/box	1	6x6x6
SHRINKMARK-2-2.00-9 or 4 [2/3]	100 pcs	75.95	250 pcs/box	1	6x6x6
SHRINKMARK-250-2.00-9 or 4 [2/3]	100 pcs	106.15	250 pcs/box	1	6x6x6
SHRINKMARK-1000-2.00-9 or 4 [2/3]	100 pcs	126.56	250 pcs/box	1	6x6x6
SHRINKMARK MARKING KIT	1 kit	509.85	1 kit/box		
SHRINKMARK-MARKING KIT ADAPTER	1 ea	49.90	1 ea/box		
SHRINKMARK- 1/8 CARTRIDGE	1 ea	34.77	1 ea/box	1	
SHRINKMARK- 3/16 CARTRIDGE	1 ea	34.77	1 ea/box	1	
SHRINKMARK- 1/4 CARTRIDGE	1 ea	34.77	1 ea/box	1	
SHRINKMARK-CAR-1/8-YELLOW	1 ea	38.25	1 ea/box	1	
SHRINKMARK-CAR-3/16-YELLOW	1 ea	38.25	1 ea/box	1	
SHRINKMARK-CAR-1/4-YELLOW	1 ea	38.25	1 ea/box	1	
SHRINKMARK-CM-25-4H-9	100 pcs	46.23	250 pcs/box	0.75	6x6x6
SHRINKMARK-CM-50-4H-9	100 pcs	52.97	250 pcs/box	1	6x6x6

RNF: See catalog for available colors.

2. SHRINKMARK: Price for 1000 piece pack & 2500 piece pack is the same per unit as 250 piece pack. Add 1k or 2.5k to Catalog number.

3. SHRINKMARK: Add 10% for scoring (1, 2, or 3 scores). Insert "Sx" (x=1, 2, or 3) between 2.00 (length) & last number (4=yellow, 9=white).

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Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
SHRINKMARK-CM-50-6H-9	100 pcs	52.97	250 pcs/box	1	6x6x6
SHRINKMARK-LABEL CLEAR	1 ea	34.77	1 ea/box	1	
SHRINKMARK-LABEL WHITE	1 ea	34.77	1 ea/box	1	
SHRINKMARK PRINTER LQ870	1 ea	477.92	1 ea/box	1	
SHRINKMARK-TMS WINTOTAL SWARE	1 ea	285.00	1 ea/box	1	
SOLVENT WIPE-HP (B144)	1 ea	1.62	144 ea/box	15	12x12x12
TECK-10	1 kit	139.72	1 kit/box	2	37x6x3
TECK-11	1 kit	168.44	1 kit/box	2	32x6x6
TECK-12	1 kit	197.79	1 kit/box	2	37x5.5x3
TECK-13	1 kit	224.03	1 kit/box	4	32x6x6
TECK-14	1 kit	346.43	1 kit/box	4	36x6x6
TECK-41	1 kit	190.82	1 kit/box	2.5	37x5.5x3
TECK-42	1 kit	233.18	1 kit/box	3.5	30x6x6
TECK-43	1 kit	508.25	1 kit/box	5	37x5.5x3
TECK-44	1 kit	550.33	1 kit/box	6.5	10x5x50
TECK-531	1 kit	439.69	1 kit/box	4	42x5x5
TECK-532	1 kit	665.67	1 kit/box	6.5	50x5x5
TFT-151E	1 kit	42.09	1 kit/box	2	17X4X3
TFT-151E-G	1 kit	66.54	3 kit/box	4	13X10X4
TFT-151E-SG	1 kit	80.83	3 kit/box	4	17X5X5
TFT-151E-SLC	1 kit	95.83	3 kit/box	4	13x10x4
TFT-151R-G	1 kit	66.54	3 kit/box	4	13X10X4
TFT-151R-SG	1 kit	80.83	3 kit/box	4	13X10X4
TFT-152E	1 kit	55.46	1 kit/box	2	17X4X3
TFT-152E-G	1 kit	85.20	3 kit/box	4	13X10X4
TFT-152E-SG	1 kit	99.49	3 kit/box	4	17X5X5
TFT-152E-SLC	1 kit	114.49	3 kit/box	4	13x10x4
TFT-152R-G	1 kit	85.20	3 kit/box	4	13X10X4
TFT-152R-SG	1 kit	99.49	3 kit/box	4	13X10X4
TFT-153E	1 kit	84.11	1 kit/box	2	17X6X3
TFT-153E-G	1 kit	111.17	3 kit/box	4	13X10X4
TFT-153E-SG	1 kit	125.46	3 kit/box	4	13X10X4
TFT-153E-SLC	1 kit	140.46	3 kit/box	4	13x10x4
TFT-153R-G	1 kit	111.17	3 kit/box	4	13X10X4
TFT-153R-SG	1 kit	125.46	3 kit/box	4	13X10X4
TFT-154E	1 kit	93.13	1 kit/box	2	17X5X5
TFT-154E-G	1 kit	159.09	3 kit/box	4	13X10X4
TFT-154E-SG	1 kit	173.37	3 kit/box	4	17X12X7
TFT-154E-SLC	1 kit	188.37	3 kit/box	5	13x10x4
TFT-154R-SG	1 kit	173.37	3 kit/box	4	13X10X4
TFT-251E	1 kit	72.56	1 kit/box	3	17X4X3
TFT-251E-SG	1 kit	136.69	3 kit/box	5	17X12X7
TFT-251E-SLC	1 kit	151.69	3 kit/box	5	17X12X7
TFT-251R-SG	1 kit	136.69	3 kit/box	5	17X12X7
TFT-252E	1 kit	75.26	1 kit/box	3	17X6X3

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	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	TFT-252E-SG	1 kit	168.26	3 kit/box	5	17X12X7
	TFT-252E-SLC	1 kit	183.26	3 kit/box	5	17X12X7
	TFT-252R-SG	1 kit	168.26	3 kit/box	5	17X12X7
	TFT-253E	1 kit	88.11	1 kit/box	3	17X6X3
	TFT-253E-SG	1 kit	212.19	3 kit/box	5	17X12X7
	TFT-253E-SLC	1 kit	227.19	3 kit/box	5	17X12X7
	TFT-253R-SG	1 kit	212.19	3 kit/box	5	17X12X7
	TFT-254E	1 kit	101.36	1 kit/box	3	17X6X3
	TFT-254E-SG	1 kit	260.43	3 kit/box	5	17X12X7
	TFT-254E-SLC	1 kit	275.43	3 kit/box	5	17X12X7
	TFT-254R-SG	1 kit	260.43	3 kit/box	5	17X12X7
	TFT-351E	1 kit	116.66	1 kit/box	3	17X6X3
	TFT-351E-SG	1 kit	240.67	3 kit/box	6	17X12X7
	TFT-351E-SLC	1 kit	255.67	3 kit/box	6	17X12X7
	TFT-352E	1 kit	116.66	1 kit/box	3	17X6X3
	TFT-352E-SG	1 kit	240.67	3 kit/box	6	17X12X7
	TFT-352E-SLC	1 kit	255.67	3 kit/box	6	17X12X7
	TFT-352R-SG	1 kit	240.67	3 kit/box	6	17X12X7
	TFT-353E	1 kit	162.81	1 kit/box	3	17X6X3
	TFT-353E-SG	1 kit	317.74	3 kit/box	6	17X12X7
	TFT-353E-SLC	1 kit	332.74	3 kit/box	6	17X12X7
	TFT-353R-SG	1 kit	317.74	3 kit/box	6	17X12X7
	TFT-354E	1 kit	266.80	1 kit/box	3	16X8X5
	TFT-354E-SG	1 kit	348.50	3 kit/box	6	17X12X7
	TFT-354E-SLC	1 kit	363.50	3 kit/box	6	17X12X7
	TG-12	1 ea	10.00	1 ea/box	0.5	7x6x4
	TG-13	1 ea	12.00	1 ea/box	0.25	7x6x4
	TG-23	1 ea	45.00	1 ea/box	0.25	7x6x4
	TG-24	1 ea	72.00	1 ea/box	0.25	7x6x4
	TMS-101TT	1 ea	1,070.00	1 ea/box		
	TMS-140X12-ZEBRA-PRINT	1 ea	7,700.00	1 ea/box		
	TMS-RJS-RIBBON-4RPSCE	1 ea	48.00	1 ea/box		
	TMS-SYS-SIX-RIBBON-A(Epson Printers)	1 ea	15.00	1 ea/box		
	TMS-WINTOTAL-SWARE	1 ea	285.00	1 ea/box		
	WCSM-9/3-150-S	1 pc	1.94	50 pc/box	1	6.5x6x4
	WCSM-9/3-300-S	1 ea	3.28	50 pc/box	5	13X10X4
	WCSM-9/3-1200-S	1 pc	11.92	25 pc/box	3.7	50x5x5
	WCSM-9/3-A/U	1 ft	2.38	100 ft/spool	7	18.2x18.2x7.5
	WCSM-13/4-150-S	1 pc	2.16	50 pc/box	1.5	6.5x6x4
	WCSM-13/4-1200-S	1 pc	12.37	25 pc/box	6	50x5x5
	WCSM-13/4-A/U	1 ft	2.48	100 ft/box	8	18X18X9
*	WCSM-20/6-150-S	1 pc	2.38	50 pc/box	2	13x10x4
	WCSM-20/6-225-S	1 pc	2.67	50 pc/box	3	12.5x10.125x7
	WCSM-20/6-300-S	1 pc	3.53	50 pc/box	4	12.5x10.125x7
	WCSM-20/6-1200-S	1 pc	12.83	25 pc/box	9	50x10x5

*** = Bulk Pack Option**
Customer determined qty
+ = bulk Pack Option
Raychem determined qty

	Catalog Number	Price Unit	Trade Price($)	Quantity	Approx. Weight	Box Size (inches)
	WCSM-20/6-A/U	1 ft	2.56	100 ft/box	8.5	18.2x18.2x7.5
	WCSM-33/8-150-S	1 pc	3.07	50 pc/box	4.5	12.5x10.125x7
*	WCSM-33/8-225-S	1 pc	3.75	50 pc/box	5.7	15x12.5x10
	WCSM-33/8-300-S	1 pc	4.54	50 pc/box	6	15x12.5x10
	WCSM-33/8-1200-S	1 pc	16.59	25 pc/box	15	50x10x10
	WCSM-33/8-A/U	1 ft	3.35	65 ft/box	12	22.9x22.9x11
	WCSM-43/12-150-S	1 pc	4.09	40 pc/box	5	12.5x10.125x7
	WCSM-43/12-225-S	1 pc	5.00	40 pc/box	8	15x12.5x10
	WCSM-43/12-300-S	1 pc	6.02	40 pc/box	9.5	15x12.5x10
	WCSM-43/12-1200-S	1 pc	22.03	10 pc/box	7.5	50x10x5
	WCSM-43/12-A/U	1 ft	4.49	50 ft/box	12	21x21x7
	WCSM-51/16-100-S	1 ea	3.11	100 pc/box	11	16X16X16
	WCSM-51/16-225-S	1 pc	6.42	30 pc/box	8.5	15x12.5x10
	WCSM-51/16-300-S	1 pc	8.47	30 pc/box	9.1	15x12.5x10
	WCSM-51/16-1200-S	1 pc	25.73	10 pc/box	13.2	50x10x10
	WCSM-51/16-A/U	1 ft	5.11	40 ft/spool	11.3	18x18.x8.5
	WCSM-70/21-300-S	1 pc	10.29	15 pc/box	7	15x12.5x10
	WCSM-70/21-450-S	1 pc	15.11	15 pc/box	10.5	20x13x12
*	WCSM-70/21-600-S	1 pc	18.57	10 pc/box	9	21x15x25
	WCSM-70/21-1200-S	1 pc	33.79	10 pc/box	16.5	50x10x10
	WCSM-70/21-A/U	1 ft	6.76	40 ft/box	15	22.9x22.9x11
	WCSM-90/30-1500/U	1 pc	44.16	5 pc/box	18	63x10x10
	WCSM-105/30-300-S	1 pc	14.77	15 pc/box	10	16x16x16
	WCSM-105/30-450-S	1 pc	22.15	9 pc/box	9	20x13x11
	WCSM-105/30-1200-S	1 pc	56.68	5 pc/box	11.6	50x10x10
	WCSM-130/36-300-S	1 pc	22.66	10 pc/box	9	20x13x11
	WCSM-130/36-450-S	1 pc	34.07	20 pc/box	25	22x22x18
	WCSM-130/36-1200-S	1 pc	86.54	5 pc/box	15	50x10x10
	WCSM-130/36-1500/U	1 pc	75.73	5 pc/box	19.5	50x10x10

*** = Bulk Pack Option**
Customer determined qty
+ = bulk Pack Option
Raychem determined qty

3M Electrical products

3M Innovation

3M Electrical Products

You're in a demanding industry. To be successful, you need a wide range of reliable products designed to effectively manage your daily processes. You need a supplier with a solid understanding of your industry and the technology that drives it. Quite simply, you need 3M. Our Electrical Products Division designs and manufactures a comprehensive line of products that can address your diverse applications. Widely recognized for our innovation, reliability and global corporate strength, 3M has the products and services you need and the name you trust.

In your business, power, technology and reliability are essential. 3M delivers that and more. We have the power of a diversified, global manufacturer with more than 60,000 products in our line; a reputation for technical excellence and innovation; and employees committed to delivering quality products and service to you, our valued customer.

This total quality management philosophy is evident in all our manufacturing facilities located in countries throughout the world. We are committed to achieving registration of these 3M manufacturing locations under the ISO 9002 quality system standard; one more reason 3M products will continue to provide in-place, reliable performance over time.

Our commitment and capability doesn't stop with electrical products, it starts there. To explore the many ways we can serve you, contact your 3M representative today.

Phone 800/245 3573
Fax 800/245 0329

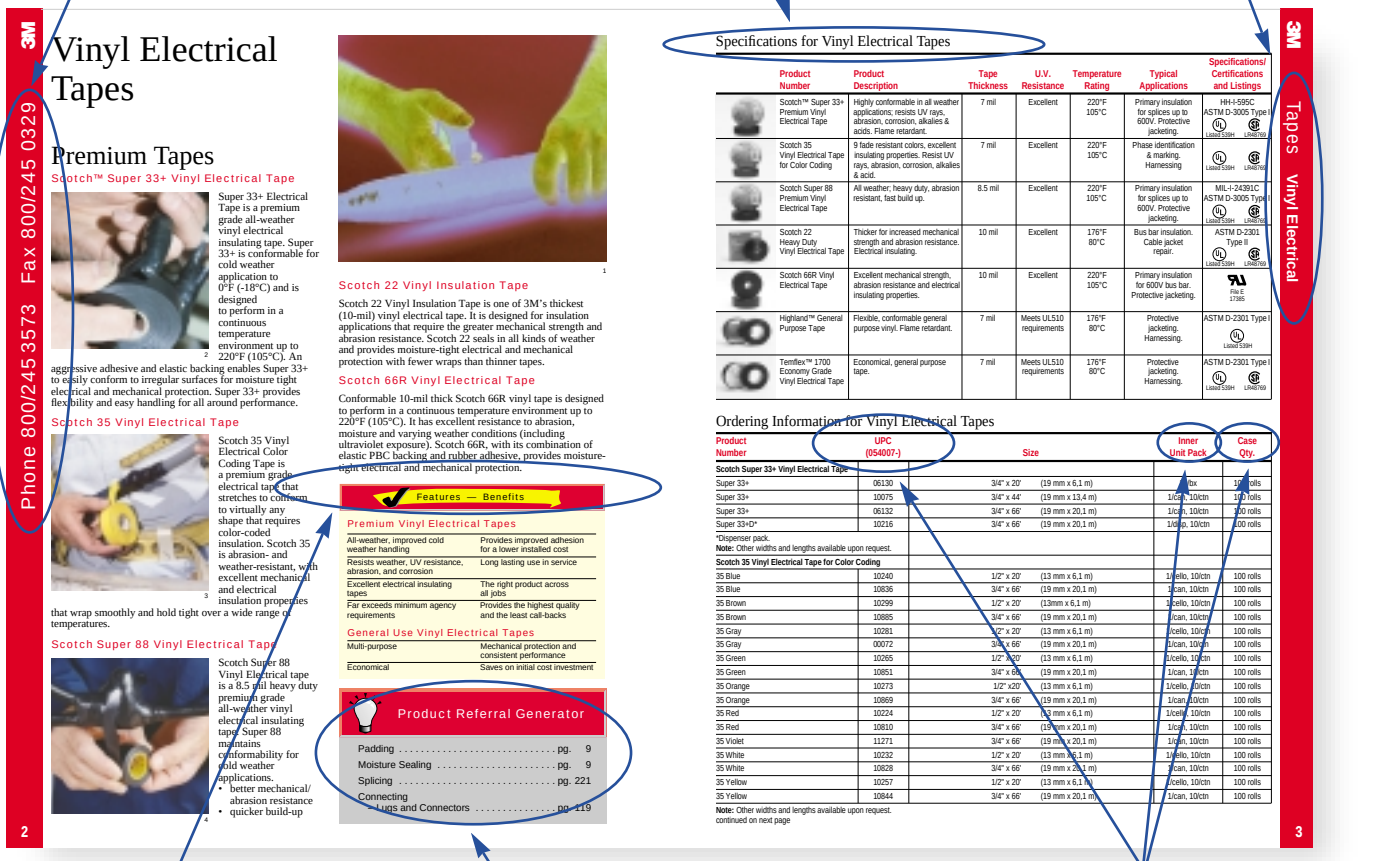
We Understand the Value of Your Time.

This year's catalog has been designed to make it easy for you to find the products you're looking for. The following diagrams point out some of these changes, and the corresponding numbers explain how each of these changes help you find the right product faster than ever.

Phone or fax to place an order 1

Product specifications 2

Product subsection 3

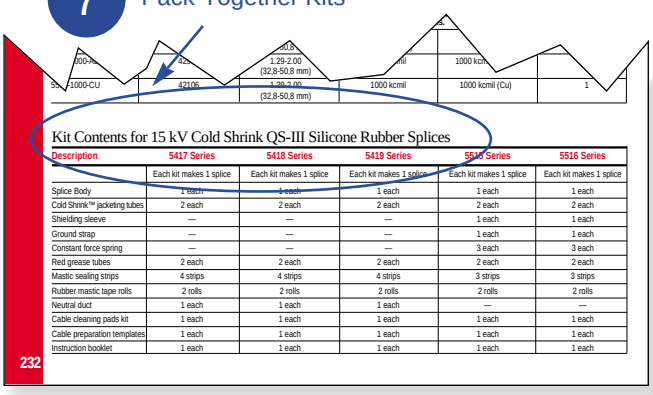


Product features and benefits 4

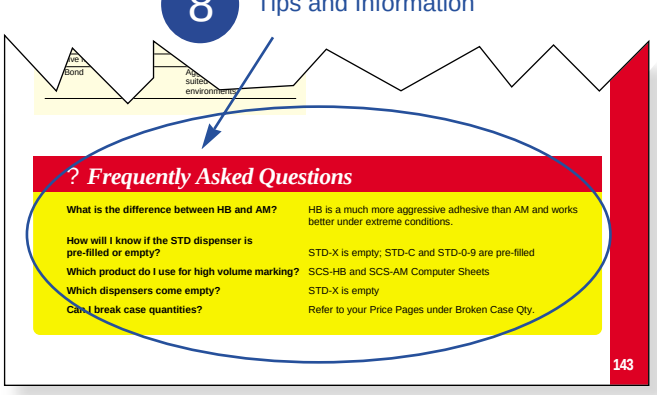
Related products 5

Packaging, minimum order, and UPC code 6

7 Pack-Together Kits



8 Tips and Information



1 Numbers to Call for Product Information

Phone and fax numbers are printed on the edge of the page to make ordering easier. To make sure you get the right product for the right job, or for more information about a particular item in the catalog, 3M has set up the following phone numbers:

- For technical information, call: 512-984-5000 or 512-984-5555.
- To leave a message for a 3M sales representative (when you know the 7-digit phone number), call: 1-800-545-3573.
- To request a Material Safety Data Sheet (MSDS), call: 651-737-7222 or 1-800-364-3577. (refer to the 3M price sheets for specific products on which MSDSs are available).
- For information on 3M products not listed in this catalog, call: 1-800-3M HELPS (364-3577).

3M may also be located on-line at www.3M.com. MSDSs are also available on-line at www.3M.com/US/MSDS/msdsSearch.jhtml.

2 Product Specifications

Included in this easy-to-read section are product descriptions, specifications, applications and other useful information to help you better understand the product before ordering.

3 Product Subsection

These different colored headings/tabs along the edge of the page make locating specific sections easier and help you identify from which section you are currently ordering.

4 Features and Benefits

Each section includes a quick-reference chart to help explain the features, advantages and benefits of each product at a glance.

5 Product Referral Generator

With 3M's full line of electrical supplies, this section has been added to help you find related products easier. The included information is your link to accessories, tools, or other related products that may be useful.

6 UPC Codes, Packaging, Minimum Order

The Ordering Information charts provide a clear reference for UPC codes, minimum order information, and packaging information on related products in a clear format that makes ordering and gathering information easy.

7 Pack-Together Kits

3M offers the convenience of packing products that are used together. Lugs, mounting brackets and parallel clamps may be ordered packed with a termination kit. Connectors may be ordered packed with splice kits.

There is special handling involved in pack-together orders and it may take longer to process than ordering separately.

8 Tips and Information

It's important for you to get the right product right for the job. That's why 3M has introduced special features to help you learn more about the products offered. Look to these special sections for information about the product, about using the product correctly, and about ordering the best 3M product for your specific task.

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ISO 9002 Registration of Facilities

The 3M facilities which manufacture the 3M electrical products in this directory have been registered by Underwriters Laboratories, Inc. to the International Standards Organization ISO 9002 quality management system standard. Some non-electrical products may not be registered to ISO 9002.

The ISO is made up of the national standards boards from more than 90 countries. ISO 9002 is the model for quality assurance in production, installation and servicing.

For the customer, registration provides proof of the quality of suppliers' systems. For companies with numerous manufacturing sites, such as 3M, ISO registration provides a consistent and efficient method of standardization.

For information about ISO 9002 registration for 3M products call 512-984-5555 for low-voltage products, 512-984-5000 for medium- and high-voltage products, 512-984-5518 for original equipment manufacturer products and 800-3M-HELPS for non-electrical products.

Terms and Conditions

Terms and conditions of sale, the price protection plan and return goods policy are detailed in our distributor cost price pages.

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NEC is a trademark of the Canadian Standards Association.

UniShield is a registered trademark of BICC Corporation.

Tapes

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- **Vinyl Electrical** pg. 3
- **Insulating and Splicing** pg. 6
- **Sealing and Insulating** pg. 9
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- **Packaging and Palletizing** pg. 16
  Box Sealing
  Filament
  Labeling
  Palletizing

In the early 1940s, vinyl plastic emerged as a highly versatile material for a wide range of applications, from shower curtains to cable insulation. Making it work for tape, however, was a different story. A major ingredient in vinyl film was tricresyl phosphate (TCP), which was used as a plasticizer. Unfortunately, TCP tended to migrate, giving the surface of the vinyl film an oily quality and degrading every tape adhesive known.

Research chemists and engineers at 3M set out to create a dependable, pressure-sensitive tape made of vinyl film that would have the required electrical, physical and chemical properties. Experiments were conducted combining new plasticizers with the white, flour-like vinyl resin. Finally, in January 1946, inventors Snell, Oace, and Eastwood of 3M applied for a patent for a vinyl electrical tape with a plasticizer system and non-sulfur-based rubber adhesive that were compatible.

The first commercially available version of the tape was sold for use as a wire-harness wrapping. Interestingly, this original black tape wasn't black at all. The first 3M tape sold was yellow, and later versions were white. White tape, because of its instability in ultraviolet light, was eventually replaced with black tape, although colored vinyl tapes are still used as identification and marking tapes. Black became the standard industry color for vinyl tape, primarily because of its ultraviolet resistance. Thicknesses originally were 4-mil, 8-mil and 12-mil. These were standardized to 7-mil, 8.5 mil and 10-mil in 1948.

Taping Tips

Although challenging in its make-up and manufacture, vinyl electrical tape is relatively straightforward in its use. Nevertheless, to ensure the safest, most reliable use, always:

- Apply tape with enough stretch to conform to the objects you're wrapping. Be sure to let the last couple of inches relax before tabbing it down to prevent unwinding (sometimes called "flagging").
- Wrap an irregular mechanical connector, such as a split bolt, with rubber tape to pad sharp edges, before over wrapping it with vinyl electrical tape.
- Wrap cone-shaped (high voltage splices) "uphill" - that is, from the smallest to the largest point. This way you always secure the previous layer.
- Keep fingers close together when tearing tape. The farther apart they are, the more the tape will stretch before it tears.
- Use the right tape for the right conditions. Vinyl tapes are rated for cold-weather application in two classes: 32°F (0°C) and 0°F (-18°C). Tapes formulated for high-temperature environments are typically rated 176°F (80°C) or 220°F (105°C).

Wrapping Tips

Type of Tape	Number of Layers/Application Instructions
Vinyl Electrical Tapes – Jacketing and Mechanical Protection	Always use a minimum of two half-lapped layers. The last layer should be wrapped in a more relaxed manner—let the last wrap relax to prevent the layer from flagging.
Rubber Tapes – Electrical Insulation, Mechanical Padding Water Sealing and Shaping	Wrap tape tightly to achieve the water tight seal. Rubber tapes are typically overwrapped with vinyl tape.
High Voltage Tapes – Insulating and Semi-conductive Layers	Apply outside of roll to the cable, in highly stretched half-lapped layers. Never use a semi-conductive tape as an insulation.
Mastic Compounds – Insulating, Mechanical Padding, Moisture Sealing and Shaping	Mastic compounds are to be overwrapped with vinyl tapes to initiate flow and watertight seal. Do not apply excessive amount of mastic to prevent oozing.

3M
Phone 800/245 3573 Fax 800/245 0329

Glossary of Taping Terms

Adhesive – The medium that allows the backing to be quickly, positively and efficiently positioned to do its job.

Adhesion to backing – The bond produced by contact between a pressure-sensitive adhesive and the tape backing when one piece of tape is applied to the back of another piece of the same tape.

Backing – The material that performs the tape's desired functions (insulation, protection, identification, holding).

Conformability – The ability of tape to fit snugly or make essentially complete contact with the surface of an irregular object without creasing or folding. Any tape can be applied to any surface, but it may not conform.

Dielectric strength – The voltage that a tape will withstand without allowing passage of current through it.

Elastic memory – A tendency of some tape backings to attempt to return to their original length after being elongated.

Electrolytic corrosion factor – A measure of the tape's corrosive effect on a copper conductor. This is particularly important in the selection of tapes for use as electrical insulation.

Elongation – The distance a tape will stretch lengthwise before breaking, expressed in a percentage. Elongation is an indication of conformability.

Flagging – When the end of a length of tape peels away from the surface after the tape has been applied.

Gapping – Openings between layers of tape within a roll.

Holiday – A small defect that lowers the dielectric strength at the point of the defect.

Migration – The movement, over a long period of time, of an ingredient from one surface to another when the two are in contact. This may occur between tape components or between a tape and the surface to which it is applied.

Oozing – A "squeezing out" of the adhesive from between the layers of tape so that the sides of the roll are very tacky.

Peaking – Large "upheavals" in the outer layers of a roll of tape, when several layers bunch and protrude outward. Creates gapping within the roll.

Peel adhesion – The force required to pull a strip of tape from a surface at a specified angle and speed. Usually expressed in ounces per inch width.

Pressure-sensitive – A term commonly used to designate a category of adhesive tapes that, in dry (solvent-free) form, are aggressively and permanently tacky at room temperature. They also firmly adhere to a variety of dissimilar surfaces upon contact without the need of more than finger or hand pressure. Despite their aggressive tackiness, however, these tapes can be handled with the fingers and removed from smooth surfaces without leaving a residue.

Primer – Material applied to the underside of the backing that prevents the adhesive from adhering to both sides of the backing.

Tacky – A lab synonym for "sticky," or highly adhesive. Sometimes used to express the idea of pressure sensitivity.

Telescoping – A sliding of the tape layers one over the other until the roll assumes a funnel shape.

Thermosetting – Adhesive that set up or hardens on first exposure to heat, and remains set regardless of subsequent temperature cycles.

Vinyl Electrical Tapes

Scotch® Super 88 1

Scotch® Super 33+ Vinyl Electrical Tape

2

Super 33+ Electrical Tape is a premium grade, all-weather vinyl electrical insulating tape. Super 33+ is conformable for cold weather application to 0°F (-18°C) and is designed to perform in a continuous temperature environment up to 220°F (105°C). An aggressive adhesive and elastic backing enables Super 33+ to easily conform to irregular surfaces for moisture tight electrical and mechanical protection. Super 33+ provides flexibility and easy handling for all around performance.

Scotch 35 Vinyl Electrical Tape

3

Scotch 35 Vinyl Electrical Color Coding Tape is a premium-grade electrical tape that stretches to conform to virtually any shape that requires color-coded insulation. Scotch 35 is abrasion- and weather-resistant, with excellent mechanical and electrical insulation properties that wraps smoothly and holds tight over a wide range of temperatures.

Scotch Super 88 Vinyl Electrical Tape

4

Scotch Super 88 Vinyl Electrical Tape is a 8.5 mil heavy duty, premium grade all-weather vinyl electrical insulating tape. Super 88 maintains conformability for cold weather applications.

- better mechanical/ abrasion resistance
- quicker build-up

Scotch 22 Vinyl Insulation Tape

Scotch 22 Vinyl Insulation Tape is one of 3M's thickest (10-mil) vinyl electrical tapes. It is designed for insulation applications that require greater mechanical strength and abrasion resistance. Scotch 22 seals in all kinds of weather and provides moisture-tight electrical and mechanical protection with fewer wraps than thinner tapes.

Scotch 66R Vinyl Electrical Tape

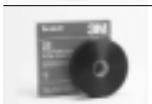
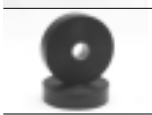
Conformable 10-mil thick Scotch 66R Vinyl Tape is designed to perform in a continuous temperature environment up to 220°F (105°C). It has excellent resistance to abrasion, moisture and varying weather conditions (including ultraviolet exposure). Scotch 66R, with its combination of elastic PVC backing and rubber adhesive, provides moisture-tight electrical and mechanical protection.

Features — Advantages — Benefits

Premium Vinyl Electrical Tapes

All-weather tape design	Best adhesion and handling in all weather conditions	Makes job easier and eliminates redos
Resists weather, UV resistance, abrasion, and corrosion	Long lasting	Lower maintenance cost
Far exceeds minimum agency requirements	Highest quality in product category	Provides freedom from worry

Specifications for Vinyl Electrical Tapes

	Product Number	Product Description	Tape Thickness	U.V. Resistance	Temperature Rating	Typical Applications	Specifications/ Certifications and Listings
	Scotch® Super 33+ Professional Use Premium Vinyl Electrical Tape	Highly conformable, super stretchy in all weather applications; resists UV rays, abrasion, corrosion, alkalies & acids. Flame retardant.	7 mil	Exceeds UL510 requirements	220°F 105°C	Primary insulation for splices up to 600V. Protective jacketing.	A-A-55809 ASTM D-3005 Type I UL LISTED 539H CSA LR48769
	Scotch 35 Professional Use Vinyl Electrical Tape for Color Coding	Nine fade-resistant colors, super stretchy & conformable, excellent insulating properties. Resist UV rays, abrasion, corrosion, alkalies & acid.	7 mil	Exceeds UL510 requirements	220°F 105°C	Phase identification & marking. Harnessing	A-A-55809 UL LISTED 539H CSA LR48769
	Scotch Super 88 Professional Use Premium Vinyl Electrical Tape	All weather; heavy duty, professional use, abrasion resistant, fast build up.	8.5 mil	Exceeds UL510 requirements	220°F 105°C	Primary insulation for splices up to 600V. Protective jacketing.	MIL-I-24391C ASTM D-3005 Type II UL LISTED 539H CSA LR48769
	Scotch 22 Heavy Duty Vinyl Electrical Tape	Thicker for increased mechanical strength and abrasion resistance. Electrical insulating.	10 mil	Exceeds UL510 requirements	176°F 80°C	Bus bar insulation. Cable jacket repair.	ASTM D-2301 Type II UL LISTED 539H CSA LR48769
	Scotch 66R Vinyl Electrical Tape	Excellent mechanical strength, abrasion resistance and electrical insulating properties.	10 mil	Exceeds UL510 requirements	220°F 105°C	Primary insulation for 600V bus bar. Protective jacketing.	UL File E 17385
	Highland™ 700 Commercial Grade Electrical Tape	Flexible, stretchy, conformable, commercial grade vinyl. Flame retardant.	7 mil	Meets UL510 requirements	194°F 90°C	Protective jacketing. Harnessing.	ASTM D-2301 Type I UL LISTED 539H CSA LR48769
	Temflex™ 1700 General Purpose Vinyl Electrical Tape	Economical, flexible, general purpose tape.	7 mil	Meets UL510 requirements	176°F 80°C	Protective jacketing. Harnessing.	ASTM D-2301 Type I UL LISTED 539H CSA LR48769

Ordering Information for Vinyl Electrical Tapes

Product Number	UPC (054007-)	Size		Inner Unit Pack	Case Qty.
Scotch® Super 33+ Vinyl Electrical Tape					
Super 33+	06130	3/4" x 20'	(19 mm x 6,1 m)	10/box	100 rolls
Super 33+	10075	3/4" x 44'	(19 mm x 13,4 m)	1/can, 10/ctn	100 rolls
Super 33+	00053	3/4" x 36 yd.	(19 mm x 32,9 m)	1/box, 12/ctn	48 rolls
Super 33+	06132	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
Super 33+D*	10216	3/4" x 66'	(19 mm x 20,1 m)	1/disp, 10/ctn	100 rolls
Super 33+	08949	1" x 36 yd.	(25,4 mm x 32,9 m)	1/box, 12/ctn	48 rolls
Super 33+	06132	1-1/2" x 36 yd.	(38 mm x 32,9 m)	N/A	50 rolls
*Dispenser pack. **Note:** Other widths and lengths available upon request.					
Scotch 33 Vinyl Electrical Tape					
33	10133	3/4" x 36 yd.	(19 mm x 32,9 m)	1/cello, 12/box	48 rolls
33	10174	1-1/2" x 44'	(38 mm x 13,4 m)	1/can, 10/box	100 rolls

Note: Other widths and lengths available upon request.
*Minimum order quantities apply.
continued on next page

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Ordering Information for Vinyl Electrical Tapes (continued)

Product Number	UPC (054007-)	Size		Inner Unit Pack	Case Qty.
Scotch® 35 Vinyl Electrical Tape for Color Coding					
35 Blue	10240	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Blue	10836	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Brown	10299	1/2" x 20'	(13mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Brown	10885	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Gray	10281	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Gray	00072	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Green	10265	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Green	10851	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Orange	10273	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Orange	10869	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Red	10224	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Red	10810	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Violet	49923	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Violet	11271	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 White	10232	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 White	10828	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Yellow	10257	1/2" x 20'	(13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Yellow	10844	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Multi-color Pack	59073*	1/2" x 20'	(13 mm x 6,1 m)	5 rolls/pack	60 rolls
Scotch Super 88 Vinyl Electrical Tape					
Super 88	10307	3/4" x 44'	(19 mm x 13,4 m)	1/can, 10/ctn	100 rolls
Super 88	06143	3/4" x 66'	(19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
Super 88	10323	3/4" x 36 yd.'	(19 mm x 32,9 m)	1/box, 10/ctn	48 rolls
Super 88	10331	1" x 36 yd.	(25,4 mm x 32,9 m)	1/box, 12/ctn	48 rolls
Super 88	10364	1-1/2" x 44'	(38 mm x 13,4 m)	1/box, 10/ctn	100 rolls
Super 88	10349	1-1/2" x 36 yd.	(38 mm x 32,9 m)	N/A	12 rolls
Super 88	10356	2" x 36 yd.	(51 mm x 32,9 m)	1/box, 10/ctn	12 rolls
Note: Other widths and lengths available upon request.					
Scotch 22 Heavy-Duty Vinyl Electrical Tape					
22	10026	1/2" x 36 yd.	(13 mm x 32,9 m)	1/box 12/ctn	48 rolls
22	10034	3/4" x 36 yd.	(19 mm x 32,9 m)	1/box 12/ctn	48 rolls
22	10042	1" x 36 yd.	(25,4 mm x 32,9 m)	1/box 12/ctn	48 rolls
22	10059	1-1/2" x 36 yd.	(38 mm x 32,9 m)	N/A	12 rolls
22	10067	2" x 36 yd.	(51 mm x 32,9 m)	N/A	12 rolls
Scotch 66R Vinyl Electrical Tape (made to order)	43249 43250	Common sizes: 3/4" x 36 yd. 1" x 36 yd. Other sizes available upon request.	(19 mm x 32,9 m) (25,4 mm x 32,9 m)	N/A N/A	48 rolls 36 rolls
Highland 700 Vinyl Electrical Tape	16720	3/4" x 66'	(19 mm x 20,1 m)	1/cello	100 rolls
Temflex 1700 Vinyl Electrical Tape					
1700	49700	3/4" x 36 yd.	(19 mm x 32,9 m)	N/A	100 rolls
1700	69764	3/4" x 60'	(19 mm x 18,3 m)	1/cello	100 rolls
1700	49571	3/4" x 66'	(19 mm x 20,1 m)	N/A	100 rolls
1700 Display	43130	Fits 3/4" x 60'	(19 mm x 18,3 m)	1 each	2 displays
1700P MHSA Print	08175	3/4" x 66'	(19 mm x 20,1 m) [Printed, Bulk]	N/A	100 rolls
1700P MHSA Print	08408	1-1/2" x 44'	(38 mm x 13,4 m) [Printed, Bulk]	N/A	100 rolls
1700P MHSA Print	50750	1-1/2" x 66'	(38 mm x 20,1 m) [Printed]	1/cello	100 rolls

Note: Other widths and lengths available upon request.
*Minimum order quantities apply.

Insulating and Splicing Tapes

Scotch® 130C Linerless Rubber Splicing Tape

Scotch 130C Electrical Tape is a highly conformable, linerless Ethylene Propylene Rubber (EPR), high-voltage insulating tape that provides excellent thermal dissipation of splice heat. Scotch 130C meets industry specifications and has excellent physical and electrical properties, which provide immediate moisture seal and void-free buildups. Scotch 130C is rated up to 194°F (90°C) continuous operating temperatures and short term 266°F (130°C) overload service. This tape should be applied like any rubber tape: that is, the side of the tape wrapped inside the roll should be applied outside on the splice (tacky side up). This will help prevent the roll from getting progressively further away from the work area.

Scotch 13 Electrical Semi-conducting Tape

Scotch 13 Electrical Tape is a highly conformable, semi-conducting Ethylene Propylene Rubber (EPR)-based, high-voltage splicing tape. Scotch 13 Electrical Tape elongates easily to conform to irregular shapes and retains its conductivity when stretched.

Scotch 23 Rubber Splicing Tape

Scotch 23 Electrical Tape is a highly conformable, self-fusing Ethylene Propylene Rubber (EPR)-based, high-insulating voltage tape. Scotch 23 has a "snakeskin" liner that is easily removed as the tape is applied.

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Scotch 24 Electrical Shielding Tape

Scotch 24 Electrical Shielding Tape is an all-metal, flat, open-weave shielding braid that is compatible with power cable insulations and all high-voltage splicing and terminating materials. Scotch 24 Electrical Tape elongates easily to conform and is temperature stable.

Scotch® 130C Linerless Rubber Splicing Tape 5

Scotch 25 Electrical Grounding Braid

Scotch 25 Electrical Grounding Braid is a flat, all-metal woven electrical grounding braid that is compatible with all power cable insulations and high-voltage splicing and terminating materials. The Scotch 25 Electrical Grounding Braid is conformable and temperature stable, and has a high carrying current capacity approximately that of #6 AWG wire.

Scotch 70 Self-fusing Silicone Rubber Electrical Tape

Scotch 70 Silicone Rubber Electrical Tape is a high-temperature, arc-and track-resistant tape composed of self-fusing, inorganic silicone rubber with an easy-tear and easy-strip liner.

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Features — Advantages — Benefits

Linerless Rubber Tapes

No liner	Makes job easier	Saves time, lower installed cost
Excellent thermal dissipation	More stable splices	Provides longer cable life, reduces life cycle cost
Highly comfortable	High quality moisture seal	Eliminates call-backs

Scotch® 77 Fire-retardant Electric Arc Proofing Tape

Scotch 77 Fire-retardant Electric Arc Proofing Tape is designed to protect all types of electrical cables where exposed to potential failures of other high voltage cables or exposed to other high energy cables. Its unique formulation expands in fire to form a thick char buildup between the flame and the cable. The resulting firewall acts as a heat shield and flame barrier, thus protecting the cables and accessories.

3M™ 2242 Linerless Electrical Rubber Tape

3M 2242 Electrical Tape is a multi-purpose rubber insulating tape designed for use in splicing and terminating wires and cables rated up to 194°F (90°C). 3M 2242 Electrical Tape is a highly conformable, linerless Ethylene Propylene Rubber (EPR)-based tape.

Scotchfil™ Electrical Insulation Putty

3M Scotchfil Putty is an electrical grade, rubber-based, elastic-type putty in tape form. It can be wrapped, stretched or molded around irregular shapes for quick, smooth insulation build-up. Use Scotchfil putty to insulate connections up to 600 volts and to round out high-voltage connections to gear, smooth bus bar irregularities, and make a moisture seal at ground wire exits in high-voltage splices. UL Recognized Component listing for 176°F (80°C) when used in combination with Super 33+ or 88 tapes (Guide OCDT2, File E59951).

Scotch 2510/ Scotch 2520 Electrical Insulating Varnished Cambric Tapes

Scotch 2510/2520 Tapes are bias cotton cambric fabric tapes, oil primed and coated with high-grade yellow electrical insulating varnish for quality electrical insulating. Scotch 2510/2520 are temperature stable tape products that allow for clean reentry of electrical connections. Scotch 2510 has no adhesive and Scotch 2520 has a pressure sensitive adhesive.

Specifications for Insulating and Splicing Tapes

	Product Number	Product Description	Tape Thickness	U.V. Resistance	Temperature Rating	Typical Applications	Specifications/ Certifications and Listings
	Scotch 130C Linerless Rubber Splicing Tape	High voltage insulating; thermally conductive; self-bonding.	30 mil	No*	continuous: 194°F (90°C) short-term: 266°F (130°C)	Primary electrical insulation for splicing all solid dielectric cables through 69kV.	ASTM D-4388 Type I, II, & III HH-I-553C
	Scotch 13 Semiconducting Tape	Rubber tape, semi-conductive. Compatible with cable semi-conducting jackets.	30 mil	No*	continuous: 194°F (90°C) short term: 266°F (130°C)	Electrically round high voltage connections. Provide cable shield continuation.	ASTM D-4388 Type IV
	Scotch 23 Rubber Tape	High & low voltage insulating, self-fusing rubber tape.	30 mil	N/A	continuous: 194°F (90°C) short term: 266°F (130°C)	Primary electrical insulation for splicing all solid dielectric cables through 69 kV.	HH-I-3825B ASTM D-4388 Type I, II, & III
	Scotch 24 Shielding Tape	All metal open weave shielding braid, conformable, temperature stable.	N/A	N/A	N/A	Continue electrostatic shielding across splice.	N/A
	Scotch 25 Grounding Braid	All metal woven braid; high current carrying capacity of 6 AWG wire; solderable.	N/A	N/A	N/A	Conformable ground braid for splices & terminations.	N/A
	Scotch 70 Self-fusing Silicone Rubber Tape	Arc & track resistant; self fusing, long lasting silicone rubber.	12 mil	Excellent	356°F (180°C)	Protective overwrap for terminating high voltage cables.	N/A
	Scotch 77 Electric Arc Proofing Tape	Protects cable until limiting devices can interrupt faulted current.	30 mil	Excellent	N/A	Use on high-energy cables that are within 18" of other high energy cables.	N/A
	3M 2242 Linerless Splicing Compound	General purpose rubber insulating tape.	30 mil	No*	continuous: 194°F (90°C) short-term: 266°F (130°C)	All-voltage splicing, jacketing, & general insulating.	HH-I-553C ASTM D-4388 Type I, II, & III
	Scotchfil Electrical Insulation Putty	Black, self-fusing, insulating putty in tape form.	125 mil	No*	176°F (80°C)	Insulate connections up to 600V. Smooth bus bar irregularities.	File E 59951
	Scotch 2510 and 2520 Varnished Cambric Tapes	Yellow, varnish coated cotton cloth 2510: no adhesive; 2520: adhesive.	7 mil 8 mil	No*	220°F (105°C)	Insulate bus bars, motor leads (for re-entry), service drop connections.	N/A
	Temflex™ 2155 Rubber Splicing Tape	Replaces 2150. Economical low voltage rubber insulating tape; self-fusing.	30 mil	No*	176°F (80°C)	Insulating wire splices, split bolt connections, & motor leads up to 600V.	LISTED 539H

*For best UV protection, overwrap with Scotch Super 33+.

Ordering Information for Insulating and Splicing Tapes

Product Number	UPC (054007-)	Size		Inner Unit Pack	Case Qty.
Scotch® 130C Linerless Rubber Splicing Tape					
130C	41717	3/4" x 30'	(19 mm x 9,1 m)	1/box	24 rolls
130C	41751	1" x 10'	(25 mm x 3 m)	1/box	24 rolls
130C	41752	1" x 15'	(25 mm x 4,6 m)	1/box	24 rolls
130C	41753	1" x 30'	(25 mm x 9,1 m)	1/box	24 rolls
130C	41718	1-1/2" x 30'	(38 mm x 9,1 m)	1/box	12 rolls
130C	41754	2" x 30'	(51 mm x 9,1 m)	1/box	12 rolls
Scotch 13 Electrical Semiconducting Tape					
13	15017	3/4" x 15'	(19 mm x 4,57 m)	1/box, 10/ctn	50 rolls
Scotch 23 Rubber Splicing Tape					
23	15025	3/4" x 30'	(19 mm x 9,1 m)	1/box	50 rolls
23	13061	1" x 20'	(25 mm x 6,1 m)	1/box	50 rolls
23	00059	1" x 30'	(25 mm x 9,1 m)	1/box	50 rolls
23	11214	1-1/2" x 30'	(38 mm x 9,1 m)	1/box, 10/ctn	50 rolls
23	15033	2" x 30'	(51 mm x 9,1 m)	1/box, 10/ctn	50 rolls
Note: Other widths and lengths available upon request.					
Scotch 24 Electrical Shielding Tape					
24	15058	1" x 100'	(25 mm x 30,5 m)	1/box, 10/ctn	50 rolls
24	15041	1" x 15'	(25 mm x 4,6 m)	1/box, 10/ctn	50 rolls
Scotch 25 Electrical Grounding Braid					
25	11602	1/2" x 15'	(13 mm x 4,6 m)	1/box	1 roll
Scotch 70 Self-Fusing Silicone Rubber Electrical Tape					
70	15603	1" x 30'	(25 mm x 9,1 m)	1/box, 10/ctn	50 rolls
Scotch 77 Fire and Electric Arc Proofing Tape					
77	42007	1-1/2" x 20'	(38 mm x 6,1 m)	1/bag	10 rolls
77	42006	3" x 20'	(76 mm x 6,1 m)	1/bag	10 rolls
3M™ 2242 Linerless Electrical Rubber Tape					
2242	06165	3/4" x 15'	(19 mm x 4,6 m)	1/bag	24 rolls
2242	41323	1-1/2" x 15'	(38 mm x 4,6 m)	1/bag	12 rolls
2242	43251	2" x 15'	(51 mm x 4,6 m)	N/A	8 rolls
Scotchfil™ Electrical Insulation Putty	41750	1-1/2" x 60"	(38 mm x 1,53 m)	4/cello, 12 rolls	50 rolls
Scotch 2510 Varnished Cambric Tape					
2510	41720	3/4" x 60'	(19 mm x 18,3 m)	1/box	20 rolls
2510	10661	3/4" x 36 yd.	(19 mm x 33 m)	bulk	48 rolls
2510	10687	1" x 36 yd.	(25 mm x 33 m)	bulk	36 rolls
2510	10703	1-1/2" x 36 yd.	(38 mm x 33 m)	bulk	24 rolls
2510	10711	2" x 36 yd.	(51 mm x 33 m)	bulk	16 rolls
2510	15751	36" x 25 yd.	(914,4 mm x 22,9 m)	N/A	1 roll
Scotch 2520 Varnished Cambric Tape					
2520	04836	3/4" x 60'	(19 mm x 18,3 m)	1/box	20 rolls
2520	04835	3/4" x 36 yd.	(19 mm x 33 m)	bulk	48 rolls
2520	04833	1" x 36 yd.	(25 mm x 33 m)	bulk	36 rolls
2520	04832	1-1/2" x 36 yd.	(38 mm x 33 m)	bulk	24 rolls
2520	04834	2" x 36 yd.	(51 mm x 33 m)	bulk	16 rolls
Temflex™ 2155 Rubber Splicing Tape					
2155 (replaces 2150)	50348	3/4" x 22'	(19 mm x 6,7 m)	bulk	50 rolls
2155 (replaces 2150)	50349	1-1/2" x 22'	(38 mm x 6,7 m)	bulk	50 rolls

Sealing and Insulating Tapes

Scotch® 2200 (125 mil) Vinyl Mastic Pads and Scotch 2210 (90 mil) Vinyl Mastic Roll

Scotch 2200 Vinyl Mastic Pads and Scotch 2210 Vinyl Mastic Rolls are self-fusing, rubber-based insulating compounds laminated to a flexible, all-weather grade PVC backing. Both rolls and pads are resistant to abrasion, moisture, alkalies, acid, copper corrosion, U.V. and varying weather conditions.

Scotch 06147 and 06149 Electrical Moisture Sealant (45 mil)

Scotch 06147 rolls and 06149 Electrical Moisture Sealant pads are self-fusing, rubber-based thin insulating mastic compounds laminated to a flexible, all-weather grade PVC backing and are designed for moisture sealing of electrical connections up to 600 volts.

Scotch 2228 Rubber Mastic Tape

Scotch 2228 Rubber Mastic Tape is a conformable self-fusing rubber electrical insulating and sealing tape. Scotch 2228 Electrical Tape consists of Ethylene Propylene rubber (EPR) backing coated with an strong, temperature-stable mastic adhesive.

Scotch-Seal™ 2229 Mastic Tape

Scotch-Seal 2229 Mastic Tape is designed for quick and easy insulating, padding and sealing of electrical connections. It is a conformable, durable, tacky mastic with an easy release liner for easy applications over irregular surfaces and provides excellent moisture resistance. It features superior self-healing characteristics after being punctured or cut.

Scotch® 2210 Vinyl Mastic Roll 7

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Features — Advantages — Benefits

2200 and 2210

Self-fusing tape with vinyl backing	One-step application	Will save you time
Conformable for application over irregular surfaces	Makes job easier/faster	Saves time
Compatible with solid dielectric cable insulation	Easy to use	Makes your job easier
2 convenient pad sizes	Allows for various applications	Convenient, saves you time and money

Specifications for Sealing and Insulating Tapes

	Product Number	Product Description	Tape Thickness	U.V. Resistance	Temperature Rating	Typical Applications
	Scotch® 2200 and 2210 Vinyl Mastic	Excellent moisture sealant; tough vinyl backing; electrical insulating.	2200 is 125 mil 2210 is 90 mil	Excellent	176°F (80°C)	Insulate moisture-seal and pad connections up to 600V.
	Scotch 06147 and 06149 Moisture Sealant	Excellent moisture sealant; tough vinyl backing; electrical insulating.	6147 is 45 mil 6149 is 45 mil	Excellent	176°F (80°C)	Insulate moisture-seal and pad connections up to 600V.
	Scotch 2228 Rubber Mastic Tape	Self-fusing rubber based compound bonded to a moisture sealing mastic; all weather.	65 mil	No*	194°F (90°C) emergency overload of 266°F (130°C)	Insulate, pad, and seal bus bar and splice connections.
	Scotch-Seal™ 2229 Mastic Tape Compound	Conformable and durable mastic. Excellent moisture and environmental seal.	125 mil	No*	176°F (80°C)	Sealing high voltage cables and accessories.

*For best UV protection, overwrap with Scotch Super 33+ Tape.

Ordering Information for Sealing and Insulating Tapes

Product Number	UPC (054007-)	Size		Inner Unit Pack	Case Qty.
Scotch 2200 and 2210 Vinyl Mastic					
2200	11008	3-1/4 x 4-1/2" pads	(83 x 114 mm)	10/box	50 pads
2200	21296	6-1/2 x 4-1/2" pads	(165 x 114 mm)	10/box	50 pads
2210	11222	4" x 10' roll	(102 mm x 3,05 m)	1/box	10 pads
Scotch 06147 and 06149 Electrical Moisture Sealant					
06147	06147	2-1/2" x 10'	(63 mm x 3,05 m)	1/roll	10 rolls
06149	06149	2-1/2 x 2-1/2"	(63 x 63 mm)	25/box	10 boxes
Scotch 2228 Rubber Mastic Tape					
2228	50727	1" x 10'	(25 mm x 3,05 m)	bulk	10 rolls
2228	43478	2" x 3'	(51 mm x 0,9 m)	N/A	48 rolls
2228	09656	2" x 10'	(51 mm x 3,05 m)	bulk	10 rolls
Scotch-Seal 2229 Mastic Tape					
2229	49702	3-3/4" x 10'	(102 mm x 3,05 m)	bulk	8 each
2229	50335	1" x 10'	(25 mm x 3,05 m)	bulk	12 each
2229-P	41303	2-1/2 x 3-3/4" pads	(63,5 x 95,25 mm)	10/box, 40/cs.	40 pads
2229-P	50336	3-3/4 x 3-3/4" pads	(95,25 x 95,25 mm)	25/box, 100/cs.	40 pads
2229-P	50337	3-3/4 x 6-1/2" pads	(95,25 x 165,1 mm)	bulk	40 pads
2230 Mastic Strip	41813	5/8 x 6"	(15,86 x 152,4 mm)		40 each

Corrosion Protection Tapes

Scotchrap™ 50 and 51 All-weather Corrosion Protection Tapes

Scotchrap 50 (10 mils) and 51 (20 mils) Corrosion Protection Tapes are tough, polyvinyl chloride (PVC) tapes with high-tack adhesives that resist corrosion of metal piping systems above and below ground. Both tapes apply over a wide temperature range and are resistant to impact, abrasion and punctures. **Coat the pipe or other metal surfaces with Scotchrap Pipe Primer before wrapping with Scotchrap 50 or 51.**

Scotchrap Pipe Primer

A quick-drying, non-sag rubber base primer that permeates metal surface pits and irregularities, preparing the surface for tape application. Compatible with the special adhesive on Scotchrap Tapes, it enhances adhesion. To be used with Scotchrap 50 and 51 All-weather Corrosion Protection Tapes.

Scotchfil™ Electrical Insulation Putty

Use as a build-up compound on highly irregular surfaces such as fittings and valves, providing a smooth, waterproof taping surface. Scotchfil Putty is soft and pliable—simply press putty into place on irregular surfaces, mold with finger pressure and over tape using standard methods.

Scotchrap™ 51 and Scotchrap Pipe Primer 8

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Features — Advantages — Benefits

Scotchrap 50 All-weather Corrosion Protection Tape

10 mils, PVC backing	Flexible	Easy to use, which saves time
Excellent moisture and abrasive resistance,	Resists pipe corrosion	Cuts down on replacement costs
High quality adhesive	Excellent quick stick	Easy to use

Scotchrap 51 All-weather Corrosion Protection Tape

20 mils, PVC backing	Superior mechanical strength and abrasion resistance	Provides confidence about the job and freedom from worry

NOTE: Scotchrap Pipe Primer should be used with all corrosion protection tapes

Specifications for Corrosion Protection Tapes

	Product Number	Product Description	Tape Thickness	U.V. Resistance	Temperature Rating	Typical Applications
	Scotchrap™ 50 and 51 All-weather Corrosion Protection	All-weather performance and corrosion resistance. Resistant to impact and abrasions.	50 is 10 mil 51 is 20 mil	Excellent Excellent	176°F (80°C)	Corrosion protection on pipes, conduits and fittings, etc.
	Scotchrap Pipe Primer	Quick-dry, non-sag rubber base primer that prepares metal surfaces for tape application.	N/A	N/A	176°F (80°C)	For use with Scotchrap 50 & 51 tapes and Temflex 1100 Tape.
	Scotchfil™ Electrical Insulation Putty	Black, self-fusing, insulating putty in tape form.	125 mil	N/A	176°F (80°C)	Smooths irregularities on fittings and valves.
	Temflex™ 1100 Tape	General purpose corrosion resistant tape. Good abrasion resistance.	10 mil	Yes	176°F (80°C)	Corrosion protection on conduits, fittings and joints, etc.

Ordering Information for Corrosion Protection Tapes

Product Number	UPC (054007-)	Size		Inner Unit Pack	Case Qty.
Scotchrap 50 and 51 All-Weather Corrosion Protection Tapes					
50	11149	1" x 100'	(25 mm x 30,5 m)	1/box	10 rolls
50	00014	1" x 100'	(25 mm x 30,5 m)	bulk	48 rolls
50	11156	2" x 100'	(51 mm x 30,5 m)	1/box	10 rolls
50	10638	2" x 100'	(51 mm x 30,5 m)	bulk	24 rolls
50	09468	3" x 100'	(76 mm x 30,5 m)	bulk	16 rolls
50	10646	4" x 100'	(102 mm x 30,5 m)	bulk	12 rolls
50	15785	6" x 100'	(152 mm x 30,5 m)	bulk	8 rolls
50 Printed	00012	1" x 100'	(25 mm x 30,5 m)	bulk	48 rolls
50 Printed	00013	2" x 100'	(51 mm x 30,5 m)	bulk	24 rolls
50 Printed	00018	4" x 100'	(102 mm x 30,5 m)	bulk	12 rolls
51	42806	1" x 100'	(25 mm x 30,5 m)	bulk	24 rolls
51	42807	2" x 100'	(51 mm x 30,5 m)	bulk	12 rolls
51	42808	4" x 100'	(102 mm x 30,5 m)	bulk	6 rolls
51	42809	6" x 100'	(152 mm x 30,5 m)	bulk	4 rolls
51 Printed	42802	1" x 100'	(25 mm x 30,5 m)	bulk	24 rolls
51 Printed	42803	2" x 100'	(51 mm x 30,5 m)	bulk	12 rolls
51 Printed	42804	4" x 100'	(102 mm x 30,5 m)	bulk	4 rolls
51 Printed	42805	6" x 100'	(152 mm x 30,5 m)	bulk	4 rolls
Note: 100 sq. ft. (9,3 m^2) of tape equals a square. Example: 2 rolls of 6 in. x 100 ft. (152 mm x 30,5 m), 3 rolls of 4 in. x 100 ft. (101 mm x 30,5 m), 6 rolls of 2 in. x 100 ft. (51 mm x 30,5 m), 12 rolls of 1 in. x 100 ft. (25 mm x 30,5 m)					
Scotchrap Pipe Primer	42768	1-gallon can	(3,79 liters)	bulk	4 cans
Scotchfil Electrical Insulation Putty	41750	1-1/2" x 60"	(38 mm x 1,53 m)	4/cello	50 boxes
Temflex 1100 Corrosion Protection Tape					
1100 Printed	09065	2" x 100'	(51 mm x 30,5 m)	bulk	24 rolls
1100	09061	2" x 100'	(51 mm x 30,5 m)	bulk	24 rolls

Note: Scotchfil putty must be overwrapped with Scotchrap or Temflex.
Note: Printed tapes are printed with product name and thickness.

Special Use Tapes

3M provides a wide range of tapes for special applications, from electrically insulating glass cloth tapes, to gaffers tape, and even duct tape.

Scotch® 27/Scotch 69 Glass Cloth Electrical Tape

Scotch 27 and 69 Electrical Tapes are woven glass cloth tapes with thermosetting, pressure-sensitive adhesives, which electrically insulate and provide mechanical protection at high temperatures. Scotch 27 Class B—266°F (130°C) and 69 Class H—356°F (180°C) Electrical Tapes deliver high-temperature performance.

Scotch 48 Thread Sealant and Lubricant

Scotch 48 Thread Sealant Tape is a high temperature stable (PTFE) pipe thread sealant that provides a leakproof seal.

Scotch 232 High Performance Masking Tape

Scotch 232 High Performance Masking Tape is a tough and extremely smooth, natural-colored, 5.7 mil (0,14 mm) thick, high performance, crepe paper tape. It is excellent for paint masking as well as many industrial applications. Scotch 232 Masking Tape will generally function during bake cycles of up to 200°F (93°C) for periods up to one hour. It should not be exposed to outdoor exposure. It can be qualified to meet Fed. Spec. PPP-T-42C Type I and CID A-A-883B

Scotch 234 General Purpose Masking Tape

Scotch 234 General Purpose Masking Tape is a natural-colored, 5.4 mil (0,14 mm) thick, paper tape. It is excellent for general industrial applications. It will generally function during bake cycles of up to 200°F (93°C) for periods up to one hour. It should not be exposed to outdoor exposure. It can be qualified to meet Fed. Spec. PPP-T-42C Type I and CID A-A-883B.

Scotch® 27 Glass Cloth 9

Product Referral Generator

Hi Temp Insulating – 70 Tape . . . . . pg. 6

Hi Temp Terminating . . . . . pg. 203

Connecting . . . . . pg. 129

Features — Advantages — Benefits

Scotch 27 and 69 Tape

High temperature thermosetting adhesive	Excellent solvent resistance	Improves safety
Class B rating to Class H	High temperature resistance	Provides freedom from worry
Glass cloth backing	Mechanical protection	Lasts longer and improves safety

Specifications for Special Use Tapes

	Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications	Specifications/ Certifications and Listings
	Scotch® 27 and 69 Glass Cloth Tapes	Woven insulating glass cloth; high temperature resistance; high mechanical strength.	27 is 7 mil 69 is 7 mil	27 is Class B temp 266°F (130°C) 69 is class H temp 356°F (180°C)	Heat-stable insulation for furnace and oven controls, motor leads, & switches.	File E 17385 LR93411
	Scotch 48 Thread Sealant and Lubricant	Pipe thread sealant that provides a leakproof seal.	3 mil	500°F (260°C)	Leakproof seal helps prevent cross threading on pipe threads.	N/A
	Scotch 232 High Performance Masking Tape	Premium grade paper masking tape	5.7 mil	Up to 250°F (121°C)	Paint masking tape, bundling and protecting.	N/A
	Scotch 234 General Purpose Masking Tape	General purpose paper masking tape	5.4 mil	Up to 250°F (121°C)	Holding, sealing, non-critical masking.	N/A
	Tartan™ 200 Masking Tape	Utility purpose paper tape.	4.5 mil	199°F (93°C)	Non-critical masking and holding.	N/A
	Temflex™ 1755 Cotton Friction Tape	High grade friction tape. Good abrasion resistance.	15 mil	176°F (80°C)	Abrasion protection for splices and connections.	N/A
	Highland™ 6969 Duct Tape	High performance duct tape, excellent adhesion, tears easily. Silver.	10.8 mil	200°F (93°C)	Moisture proofing plumbing, duct sealing, and protecting.	N/A
	Tartan 3939 Duct Tape	General purpose duct tape; good adhesion, strong backing. Silver.	9.8 mil	150°F (65°C)	Sealing heating ventilation and air conditioning ducts.	N/A
	Scotch 2000 Electricians Duct Tape	General purpose easy tear vinyl duct tape	6 mil	N/A	General holding and bundling	N/A
	Highland 6910 Cloth Gaffers Tape	High tack, easy tear coated cloth tape	13.7 mil	up to 200°F (93°C)	Sealing and holding where minimum light reflection and glare are required.	N/A

Note: Tartan 3939 replaces Temflex 3930.

Ordering Information for Special Use Tapes

Product Number	UPC (054007-)	Size		Inner Unit Pack	Case Qty.
Scotch® 27 and 69 Glass Cloth Electrical Tape					
27	15066	1/2" x 66'	(13 mm x 20,1 m)	1/box, 10/ctn	50 rolls
27	15074	3/4" x 66'	(19 mm x 20,1 m)	1/box, 10/ctn	50 rolls
27	27477	3/4" x 60 yd.	(19 mm x 54,8 m)	N/A	12 rolls
27	10570	1" x 60 yd.	(25,4 mm x 54,8 m)	N/A	9 rolls
27	27478	1-1/2" x 60 yd.	(38,1 mm x 54,8 m)	N/A	24 rolls
69	10083	1/2" x 66'	(13 mm x 20,1 m)	1/box, 10/ctn	50 rolls
69	27548	1/2" x 36 yd.	(13 mm x 33 m)	N/A	18 rolls
69	09910	3/4" x 66'	(19 mm x 20,1 m)	1/box, 10/ctn	50 rolls
69	27493	3/4" x 36 yd.	(19 mm x 33 m)	N/A	12 rolls
69	27494	1" x 36 yd.	(25 mm x 33 m)	N/A	9 rolls
Scotch 48 Thread Sealant and Lubricant					
48	06192	1/4" x 260"	(6,3 mm x 6,6 m)	bulk	12 rolls
48	06195	1/2" x 260"	(13 mm x 6,6 m)	bulk	12 rolls
48	06196	1/2" x 520"	(13 mm x 13,2 m)	bulk	12 rolls
48	27571	1/2" x 1296"	(13 mm x 32,9 m)	bulk	12 rolls
Note: Other widths and lengths are available.					
Scotch 232 High Performance Masking Tape					
232	02853*	3/4" x 60 yd.	(19 mm x 54,8 m)	bulk	48 rolls
232	02854*	1" x 60 yd.	(25,4 mm x 54,8 m)	bulk	36 rolls
232	04240*	2" x 60 yd.	(51 mm x 54,8 m)	bulk	24 rolls
Scotch 234 General Purpose Masking Tape					
234	02981*	3/4" x 60 yd.	(19 mm x 54,8 m)	bulk	48 rolls
234	02982*	1" x 60 yd.	(25,4 mm x 54,8 m)	bulk	48 rolls
234	04244*	2" x 60 yd.	(51 mm x 54,8 m)	bulk	24 rolls
Tartan™ 200 Masking Tape†					
200	71183*	12 mm x 55 m	(1/2" x 60 yd.)	bulk	72 rolls
200	71182*	18 mm x 55 m	(3/4" x 60 yd.)	bulk	48 rolls
200	71180*	24 mm x 55 m	(1" x 60 yd.)	bulk	36 rolls
200	71179*	36 mm x 55 m	(1-1/2" x 60 yd.)	bulk	24 rolls
200	71177*	48 mm x 55 m	(2" x 60 yd.)	bulk	24 rolls
200	71176*	72 mm x 55 m	(3" x 60 yd.)	bulk	12 rolls
200	73799*	96 mm x 55 m	(4" x 60 yd.)	bulk	8 rolls
Temflex™ 1755 Cotton Friction Tape					
1755	50218	3/4" x 60'	(19 mm x 18,3 m)	bulk	60 rolls
1755	50217	1-1/2" x 82-1/2'	(38 mm x 25,1 m)	bulk	30 rolls
1755	50216	3/4" x 82-1/2'	(19 mm x 25,1 m)	bulk	60 rolls
Highland™ 6969 Duct Tape					
6969	06969**	2" x 60 yd.	(51 mm x 54,8 m)	bulk	24 rolls
6969	85635*	3" x 60 yd.	(76 mm x 54,8 m)	bulk	12 rolls
Tartan 3939 Duct Tape					
3939	85561*	1" x 60 yd.	(25,4 mm x 54,8 m)	bulk	36 rolls
3939	06975**	2" x 60 yd.	(51 mm x 54,8 m)	bulk	24 rolls
3939	85562*	3" x 60 yd.	(76 mm x 54,8 m)	bulk	12 rolls
3939	85563*	4" x 60 yd.	(102 mm x 54,8 m)	bulk	12 rolls
Note: 3939 Tartan replaces 3930 Temflex.					
Scotch 2000 Electricians Duct Tape	43403	1.9" x 50 yd.	(50 mm x 46 m)	bulk	24 rolls
Highland 6910 Cloth Gaffers Tape					
6910 Black	06843**	2" x 60 yd.	(51 mm x 54,8 m)	bulk	24 rolls
6910 Silver	22782*	2" x 60 yd.	(51 mm x 54,8 m)	bulk	24 rolls

*UPC prefix 021200-
**UPC prefix 051131-
†Order product in metric units.

Packaging and Palletizing Tapes

Customers stick with 3M tape because they know they are buying the best for their money. Part of being the best is innovation and reliability. Take our Scotch® 3750 Box Sealing Tape, as an example. Its innovative, high strength Scotchpro™ backing provides superior performance. And, our Scotch 8884 and 8886 palletizing tapes reduce the material cost and volume required to bundle and unitize products compared to conventional alternatives.

3M has a wide line of Scotch packing tapes for your needs, including label protection and pouch tapes.

Our Highland™ and Temflex™ brand packaging tapes are a general purpose alternative to the Scotch brand line. 3M provides a wide range of tapes to meet our customers' needs.

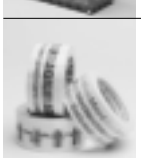
Scotch® 3750 Superior Performance Box Sealing Tape 10

Features — Advantages — Benefits

3750

High quality, pressure sensitive adhesive	Superior quick stick and adhesion	Applies easily, saves time, reduces closure failures, helps assure safe delivery of product
High strength Scotchpro backing	User friendly	Reduces closure failures during shipping and storage. Efficient handling for manual application

Specifications for Box Sealing Tapes

	Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
	Scotch 3750 Superior Performance Box Sealing Tape	Superior performance packaging tape used for heavy-duty packaging applications.	3.2 mils	short term: 151°F (65°C)	Single strip closure of regular slotted containers (RSCS)
	Scotch 3732 and 3734 Printed Box Sealing Tape	3732- "If seal is broken check" 3734- "Fragile handle with care" Tan with red printing	N/A	N/A	Box sealing with warnings
	Highland 3710 Commercial Box Sealing Tape	Commercial grade box sealing tape.	2 mil	short term: 151°F (65°C)	General purpose closure of regular slotted containers (RSCS)
	Scotch H-122 Box Sealing Hand Dispensers	Box sealing Hand dispensers	N/A	N/A	Box sealing
	Highland 3770 Series Printed Box Sealing Tape	3771- "If Seal is Broken Check Contents Before Accepting" 3772- "Fragile Handle with Care" 3773- "Rush, Rush, Rush" 3774- "This Side Up" 3775- "Mixed Merchandise"	1.9 mil	N/A	Utility sealing and identification
	Highland 371 Industrial Packaging Tape	Industrial packaging tape	1.9 mil	N/A	Box sealing, splicing and recoverage

Ordering Information for Box Sealing Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Scotch® 3750 Premium Commercial Box Sealing Tape				
3750 Clear	06640*	48 mm x 50 m (1-4/5" x 54 yd.)	N/A	36 rolls
3750 Tan	72439	48 mm x 50 m (1-4/5" x 54 yd.)	1/pack	36 packs
3750 Clear	72441	48 mm x 50 m (1-4/5" x 54 yd.)	1/pack	36 packs
3750-DD (Clear)	06648*	With disposable dispenser: 1-4/5" x 54 yd. (48 mm x 50 m)	N/A	24 rolls
3750-DD (Tan)	06647*	With disposable dispenser: 1-4/5" x 54 yd. (48 mm x 50 m)	N/A	24 rolls
Scotch 3732 and 3734 Printed Box Sealing Tape				
3732	72415*	1-4/5" x 109 yd. 48 mm x 100 m	bulk	36 rolls
3734	72417*	1-4/5" x 109 yd. 48 mm x 100 m	bulk	36 rolls
Highland™ 3710 Commercial Box Sealing Tape				
3710 Tan	14765	1-4/5" x 54 yd. (48 mm x 50 m)	bulk	36 rolls
3710 Tan	18814	1-4/5" x 109 yd. (48 mm x 100 m)	bulk	36 rolls
3710 Clear	14766	1-4/5" x 54 yd. (48 mm x 50 m)	bulk	36 rolls
3710 Clear	18813	1-4/5" x 109 yd. (48 mm x 100 m)	bulk	36 rolls
Scotch H-122 Box Sealing Hand Dispensers	06925	2" (50,8 mm)	1 each	8 dispensers
Highland 3770 Series Printed Box Sealing Tape				
3771 (red on white)	72301	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3772 (red on white)	72304	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3773 (red on white)	72307	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3774 (red on white)	72454	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3775 (red on white)	72458	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
Highland 371 Industrial Box Sealing Tape				
371(Clear)	19279	2-4/5" x 54.6 yd. (72 mm x 50 mm)	bulk	24 rolls
371(Clear)	19280	2-4/5" x 109.3 yd. (72 mm x 100 mm)	bulk	24 rolls
371(Tan)	18197	2-4/5" x 54.6 yd. (72 mm x 50 mm)	bulk	24 rolls
371(Tan)	61525	2-4/5" x 109.3 yd. (72 mm x 100 mm)	bulk	24 rolls

*UPC prefix 051131-.

Specifications for Filament Tapes

	Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
	Scotch 893 Industrial Grade Filament Tape	Industrial grade filament and packaging tape that is abrasion and moisture resistant.	6 mil	short term: 151°F (65°C)	High performance and long term adhesion for strapping and reinforcing
	Highland 897 Commercial Grade Filament Tape	Commercial grade filament tape with synthetic rubber resin adhesive.	6 mil	120°F (50°C)	General purpose, bundling and reinforcing
	Scotch H-10 Filament Tape Dispensers	Filament Tape dispensers	N/A	N/A	Box sealing
	Scotch H-180 Box Sealing Roll-on Dispensers	Box sealing Roll-on dispensers	N/A	N/A	Box sealing

Ordering Information for Filament Tapes

Product Number	UPC (021200-)	Size		Inner Unit Pack	Case Qty.
Scotch® 893 Industrial Grade Filament Tape†					
893	06937*	12,7 mm x 54,8 m	(1/2" x 60 yd.)	bulk	72 rolls
893	06938*	19 mm x 54,8 m	(3/4" x 60 yd.)	bulk	48 rolls
893	06939*	25,4 mm x 54,8 m	(1" x 60 yd.)	bulk	36 rolls
Highland™ 897 Commercial Filament Tape†					
897	86523	12,7 mm x 54,8 m	(1/2" x 60 yd.)	bulk	72 rolls
897	86524	19 mm x 54,8 m	(3/4" x 60 yd.)	bulk	48 rolls
897	86525	25,4 mm x 54,8 m	(1" x 60 yd.)	bulk	36 rolls
Scotch H-10 Filament Tape Dispenser	06910	25,4 mm	(1")	1 each	6 dispensers
Scotch H-180 Box Sealing Roll-on Dispensers					
	19008	2"	(50,8 mm)	1 each	6 dispensers

*UPC prefix 051131-
†Order product in metric units.

Specifications for Label Protection Tapes

	Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
	Scotch 8210 Film Tape	Lightly pink tinted label	2.5 mil	N/A	Protect label from abrasions and moisture, but allow barcode scanning
	Scotch 8240 & 8260 Pouch Tape	Pressure sensitive tape with rectangular window and orange border	2.5 mil	N/A	Display documents on the exterior of package for easy viewing by recipient
	Highland 3565 Commercial Label Protection Tape	Utility grade label protection tape	1.9 mil	N/A	To protect and preserve identification labels in shipping

Ordering Information for Label Protection Tapes

Product Number	UPC (021200-)	Size		Inner Unit Pack	Case Qty.
Scotch 8210 Film Tape					
8210	11852	2" x 72 yd.	(51 mm x 65,5 m)	bulk	24 rolls
8210	05597	3" x 72 yd.	(76 mm x 65,5 m)	bulk	12 rolls
8210	06888	4" x 72 yd.	(10,2 cm x 65,5 m)	bulk	8 rolls
8210	06889	5" x 72 yd.	(12,7 cm x 65,5 m)	bulk	8 rolls
8210	11853	6" x 72 yd.	(15,2 cm x 65,5 m)	bulk	8 rolls
Scotch 8240 Pouch Tape	06947	5" x 6"	(12,7 cm x 15,2 cm)	500 pouches	64 rolls
Scotch 8260 Pouch Tape	06958	5.5" x 9"	(14,0 cm x 22,9 cm)	375 pouches	48 rolls
Highland 3565 Commercial Label Protection Tape					
	73154	3-7/10" x 104 yd.	(96 mm x 100 m)	bulk	18 rolls

Specifications for Palletizing Tapes

	Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
	Scotch® 8884 & 8886 Stretchable Tape	High performance transparent stretchable tape	8884 is 5 mil 8886 is 7 mil	N/A	Encasing A & B type pallets for internal shipping

Ordering Information for Palletizing Tapes

Product Number	UPC (021200-)	Size		Inner Unit Pack	Case Qty.
Scotch 8884 Stretchable Tape	69313	1-3/10" x 60 yd.	(36 mm x 55 m)	bulk	24 rolls
Scotch 8886 Stretchable Tape	69314	1-3/10" x 60 yd.	(36 mm x 55 m)	bulk	24 rolls

Phone 800/245 3573 Fax 800/245 0329

Wire Connectors

- **Spring Connectors and Tools** pg. 22
- **Crimp Sleeve Connectors** pg. 26
- **Insulation Displacement Connectors and Tools** pg. 27

The best connectors do more than fit the application; they also fit your hand, and they feel good to use. At 3M, we design connectors that are as comfortable and easy to use as they are dependable.

Our complete line provides a wide range of connector choices. Simply choose the connector that fits your personal preference, as well as the application. We give you plenty of choices.

Start with the unique 3M™ "Performance +" wire connectors. See just how easy it is to work with three sizes instead of seven, and still cover the entire 600-volt copper wire range. The Scotchlok™ connectors are our original color-coded line of wire connectors designed with the exact features requested most by electricians. 3M wire connectors are durable for regular or low-voltage systems in construction, industrial, maintenance, OEM or irrigation. Highland™ wire connectors offer an affordable alternative with no compromise to quality.

It's all here—right at your fingertips—with 3M's family of easy-to-use, versatile and highly reliable wire connectors.

3M™ O/B+ Connector 12

Scotchlok™ 557 IDC Connector 11

Quick, reliable splices are a snap and a squeeze

For over 30 years, 3M has been designing connectors with the reliability and ease of installation that electricians demand. From the very first Scotchlok insulation displacement connector (IDC) to today's improved models, 3M has always provided connection technology that saves time and money.

The latest series of IDCs has kept all that was good about the original connector—the design, the shape, the element technology and the color-coding.

Choose from 38 different 3M IDCs that meet a variety of uses; including fluorescent ballast installation and replacement, fixture and appliance wiring, automotive and marine wiring and control circuit wiring. Whatever the application, 3M has the connector to make your job easier.

Spring Connectors and Tools

3M™ O/B+, R/Y+, B/G+ 3M "Performance +" Wire Connectors

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Because of their increased wire range, just three "Performance +" Wire Connectors handle the work of seven standard connectors. O/B+ replaces the orange, blue and gray wire nut style connectors, as well as 70% of the yellow wire nut and wing style connectors. R/Y+ replaces both red and yellow wing style connectors. B/G+ covers both the large blue and gray connectors. This simplifies selection of the right connector for a wide range of wiring jobs. There's also less inventory to manage, and a better chance you'll have the connector you need to do every job.

3M™ R/Y+ Connector 13

Scotchlok™ Y, R, G and B Electrical Spring Connectors

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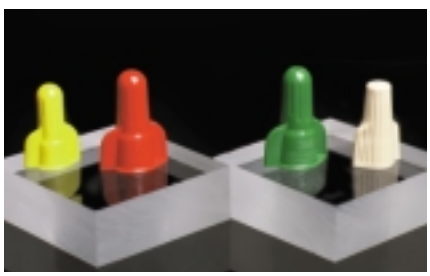
Scotchlok Y, R, G and B Electrical Spring Connectors are the original color-coded wire connectors with a unique soft shell that is easy on the fingers. They're flexible, yet durable, and provide a compact, fully-insulated connection that won't cut or abrade wires. Their torque fins are engineered to provide a comfortable and secure grip, which makes installation fast and back-off easy.

3M 212, 312, 512 and 512G Electrical Spring Connectors



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The quick-spin, wing-torque design of 312 and 512 Electrical Spring Connectors is easy on your fingers. The day's last connection will feel almost as good as the first. Generous expansion room accommodates a wide range of solid or stranded wire. Use the 312 (yellow) connector for wire combinations from 3 #20 to 3 #12 AWG and the 512 (red) connector for 2 #18 to 5 #12 AWG. The 512G (green) is used for grounding connections.

Features — Advantages — Benefits

Spring Connectors

3M "Performance +" Connectors (O/B+, R/Y+, B/G+)		
Wires feed deeper	Increases level of pull out	Security
Wide wire ranges	Three connectors replace seven	Saves money and time
Flexible skirt	Covers overstripped wires	Safety
New internal design	Smoother and faster installation	Improves quality and saves time
Scotchlok Electrical Spring Connectors (Y, R, G, B)		
Soft outer shell	Easy on the fingers	Easy to use
Soft inner shell	No wire poke-through	Safety
Compact design	Fit into tight places	Easy to use
Able to back off	Rewire if needed	Saves time
3M Electrical Spring and Grounding Connectors (212, 312, 512, 512G)		
Hard shell	Easy to grip	Easy to use
Wings	Easy to turn	Easy to use
Highland™ Connectors (H-29, H-30, H-31, H-33, H-35)		
Low price	Economical	Save money

The 212 connector combines 3M quality and economy into one connector. Designed for speed and efficiency, 212 connectors spin-on quickly and tighten-down easily. They're engineered for easy back-off, too. The live inner spring action delivers uniform holding power on common #22 to #10 AWG wire combinations. The 212 connector is UL Listed and features a tough, impact-resistant, thermoplastic insulator.

Highland™ Wire Connectors

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Highland Wire Connectors make it quick and easy to match the right connector to the size of the wire.

The shells are designed to withstand temperatures up to 221°F (105°C).

Highland color-coded wire connectors are UL Listed, CSA Certified, and work equally well with either solid or stranded wire. H-29 and H-30 connectors are rated to 300V. H-31, H-33 and H-35 connectors are rated to 600V (1000V in signs and lighting fixtures).

3M™ WCD Wire Connector Drivers

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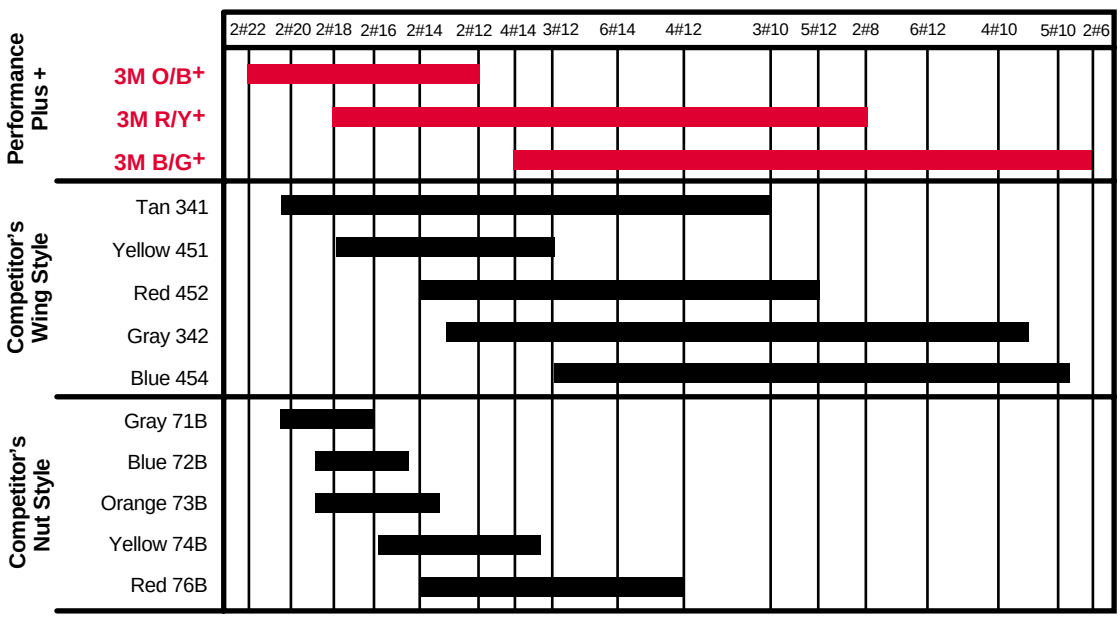
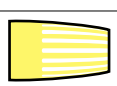
These application tools for 3M "Performance +" O/B+ and R/Y+; 3M 212, 312, and 512; and Scotchlok™ Y, R, and G connectors quickly spin on the connector and position the wire bundle in the box. The WCD-H is a hand driver and the WCD-P is a power driver that fits a standard chuck.

Wire Range for 3M "Performance +" Connectors



Specification Information for Spring Connectors

Connector	Features/ Description	Maximum Voltage Rating	Wire Range* AWG (mm²)	Temperature Rating	UL, CSA or CE Certified	Suggested Tools
3M™ O/B+	Flexible skirt w/square wire	600V (1000V in signs, lighting fixtures and luminaries)	2#22-2#12 3#14 (1,0 mm²–5,0 mm²)	221°F (105°C)	UL CSA CE †	WCD-P WCD-H
3M R/Y+	Flexible skirt w/square wire	600V (1000V in signs, lighting fixtures and luminaries)	2#18-2#8 5#12 (2,0 mm²–16,0 mm²)	221°F (105°C)	UL CSA CE †	WCD-P WCD-H
3M B/G+	Flexible skirt w/square wire	600V (1000V in signs, lighting fixtures and luminaries)	4#14-2#6-3#8 (10,0 mm²–31,6 mm²)	221°F (105°C)	UL CSA CE †	—
Scotchlok™ R	Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	9#18, 4-6#16, 2-5#14, 2-5#12, 1-3#10 (5,0–16,0 mm²)	221°F (105°C)	UL CSA CE †	WCD-P WCD-H
Scotchlok Y	Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	5-8#22, 4-6#20, 2-5#18, 2-3#16, 1-3#14, 1-2#12, 1#10 (2,0–17,5 mm²)	221°F (105°C)	UL CSA CE †	WCD-P WCD-H
Scotchlok B	Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	3-6#12, 2-6#10, 2-3#8, 1-2#6 stranded (12,0-36,0 mm²)	221°F (105°C)	UL CSA CE †	—
Scotchlok G	Insulated w/vinyl skirt and live spring	600V (1000V for signs, lighting fixtures and luminaries)	3-7#14, 2-6#12, 2-4#10, 2#8 (8,0-24,0 mm²)	221°F (105°C)	UL CSA CE †	WCD-P WCD-H
3M 212	Insulated electrical connector w/live spring	600V (1000V for signs, lighting fixtures and luminaries)	1#16 to 1#22, 3#12, 4#14 (5,0-16,0 mm²)	221°F (105°C)	UL CE †	WCD-P WCD-H
3M 312	Nylon Insulated w/live spring	600V (1000V for signs, lighting fixtures and luminaries)	5-7#22, 3-6#20, 2-6#18 2-6#16, 1-4#14, 1-3#12 (1-5-10,0 mm²)	221°F (105°C)	UL CSA †	WCD-P WCD-H
3M 512	Nylon insulated w/live spring	600V (1000V for signs, lighting fixtures and luminaries)	2-10#18, 2-7#16, 1-6#14, 1-5#12, 1-3#10, 1-2#8, 1#6 (2,0-16,0 mm²)	221°F (105°C)	UL CSA †	WCD-P WCD-H
3M 512G	Nylon insulated grounding connector	600V (1000V for signs, lighting fixtures and luminaries)	2-5#14, 2-5#12, 2-3#10, 1#14 w/ 1-4#12, 2#14 w/1-3#12, 3#14 w/2 or 3 #12, 4#14 w/1#12, 1#14 w/1-3#10, 2#14 w/1 or 2#10, 3#14 w/1#10, 1#12 w/1 or 2#10, 2#12 w/1#10 (4,0-15,0 mm²)	221°F (105°C)	UL CSA †	—
Highland™ H-29	Round wire spring	300V	22-16 AWG [One 22 AWG/One 20 AWG Min.] [Two 16 AWG Max.] (1-5-2,5 mm²)	221°F (105°C)	UL CSA	—
Highland H-30	Round wire spring	300V	22-16 AWG [Three 20 AWG Min.] [Three 16 AWG Max.] (1,5-3,0 mm²)	221°F (105°C)	UL CSA	—
Highland H-31	Round wire spring	600V (1000V in signs, lighting fixtures and luminaries)	18-14 AWG [Two 18 AWG Min.] [Two 14 AWG Max.] (2,0-4,0 mm²)	221°F (105°C)	UL CSA	—
Highland H-33 	Round wire spring	600V (1000V in signs, lighting fixtures and luminaries)	18-12 AWG [Two 18 AWG Min.] [Three 14 AWG Max] (2,0-0,5 mm²)	221°F (105°C)	UL CSA	—
Highland H-35	Round wire spring	600V (1000V in signs, lighting fixtures and luminaries)	18-10 AWG [Three 18 AWG Min.] [Three 10 AWG Max.] (2,5-16,0 mm²)	221°F (105°C)	UL CSA	—

*For information on additional Cu wire connections, refer to package or consult 3M technical service.
† UL Listed E23438 and CSA Certified LR15503

Ordering Information for Spring Connectors

Product Number	UPC (054007-)	Inner Unit Pack	Case Qty. (connectors) Distributor Order Qty.
3M™ O/B+	43152	100/box	1,000 box
	43153	500/jug	10,000 bulk
3M R/Y+	43154	100/box	1,000 box
	43155	500/jug	4,000 bulk
3M B/G+	43150	50/box	500 box
	43151	250/jug	2,000 bulk
Scotchlok™ R	20058	100/box	1,000 box
	70489	500/bag	5,000 bulk
Scotchlok Y	20041	100/box	1,000 box
	15769	500/bag	10,000 bulk
Scotchlok B	42033	50/box	500 box
Scotchlok G	21346	100/box	1,000 box
	70488	500/bag	2,500 bulk
3M 212 (Tan)	11792	100/box	1,000 box
	13202	500/bag	10,000 bulk
3M 312 (Yellow)	08159	100/box	1,000 box
	08160	500/bag	10,000 bulk
3M 512 (Red)	08161	100/box	1,000 box
	08162	500/bag	10,000 bulk
3M 512G (Green)	49950	50/box	500 box
	50232	500/bag	10,000 bulk
Highland™ H-29 (Gray)	43133	100/box	1,000 box
	43134	—	1,000 bin
	43135	—	25,000 keg (loose)
Highland H-30 (Blue)	43122	100/box	1,000 box
	43123	—	1,000 bin
	43124	—	10,000 keg (loose)
Highland H-31 (Orange)	43117	100/box	1,000 box
	43118	500/bag	10,000 bulk
	43119	—	1,000 bin
	43120	—	10,000 keg
Highland H-33 (Yellow)	43136	100/box	1,000 box
	43138	500/bag	5,000 bulk
	43137	—	1,000 bin
	43139	—	5,000 keg
Highland H-35 (Red)	49764	100/box	1,000 box
	49765	250/bag	2,500 bulk
	49766	—	1,000 bin

Specification and Ordering Information for Application Tools

Product Number	Description	Application	UPC (054007-)	Inner Unit Pack	Case Qty.
WCD-P	Power driver using a standard chuck, drill or screw driver	Tools for 3M O/B+, R/Y+, Scotchlok Y, R, G and 3M 212, 312, and 512.	49919	—	10
WCD-H	Hand driver	Tools for 3M O/B+, R/Y+, Scotchlok Y, R, G and 3M 212, 312, and 512.	49948	—	10

Crimp Sleeve Connectors

Scotchlok™ S-11 and S-31 Insulated Electrical Crimp Sleeve Connectors

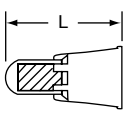
19

UL Listed and CSA Certified, Scotchlok electrical crimp sleeve connectors make fast work of splicing 22 to 10 AWG copper conductors. Smooth flared entry makes wire insertion fast—simply twist conductors together and crimp. The S-11 and S-31 (copper), and MN14CEC/ST and MN10CEC/ST (steel) are insulated, closed-end crimp sleeve connectors. With a rugged, yet resilient nylon insulator, use these connectors in light fixtures, appliances and other electrical OEM applications.

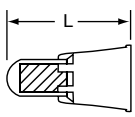
Specification Information for Nylon Insulated Closed End Connectors (Steel and Copper Insert)

Product Number†	UPC (054007-)	Wire Range (AWG)	Copper Wire Combinations	L	Barrel Length	Barrel I.D.
S-11 (copper)* S-11 (steel)*	16732 boxed 16733 bulk	22-14 22-14	see chart below see chart below	0.76 0.76	0.31 0.31	0.091 0.091
S-31 (copper)* S-31 (steel)*	16734 boxed 16735 bulk	18-10 18-10	see chart below see chart below	0.85 0.85	0.34 0.34	0.152 0.152

* UL Listed and CSA Certified for use with TH-440 and TH-450 Crimping Tools.



S-11

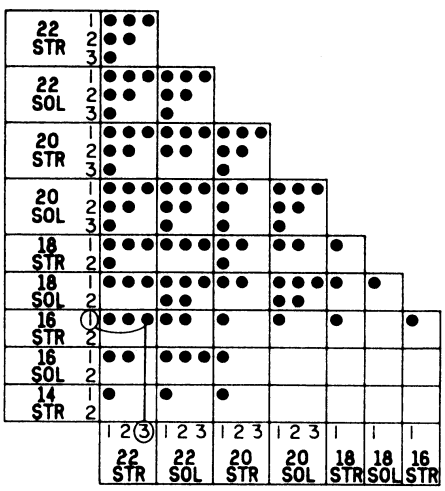


S-31

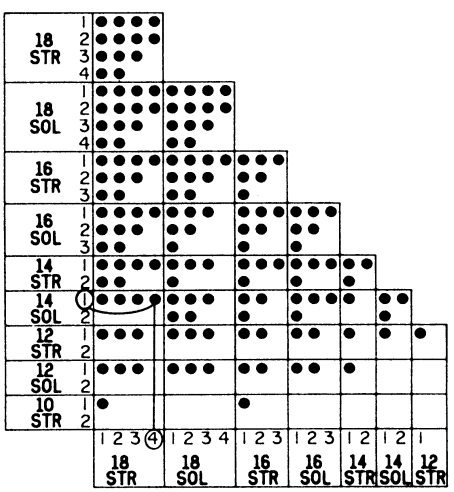
Wire Range

22-14

18-10

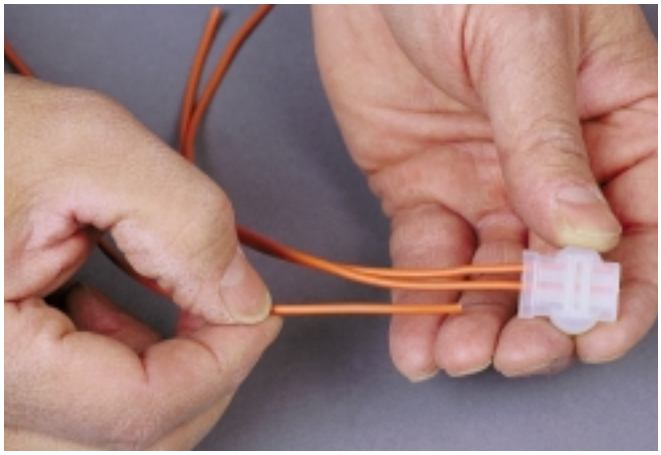


How to read chart for S-11:
One #16 Stranded plus three #22 Stranded (equaling four wires) can be connected using an S-11 connector.



How to read chart for S-31:
One #14 Solid plus four #18 Stranded (equaling five wires) can be connected using an S-31 connector.

Insulation Displacement Connectors and Tools



Scotchlok™ 314U Insulation Displacement Connector 20

Scotchlok™ IDC Connectors for Electrical Applications

21

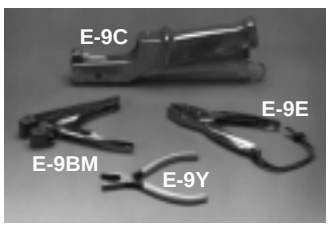
The latest series of Scotchlok Insulation Displacement Connectors (IDCs) has kept all that was good about the original connector — the design, the shape, the element technology and the color-coding. Each new model, however, also incorporates a full wire range capability, an increased port size that accommodates up to 0.155" (4,0 mm) insulation sizes, double "U" elements and a solvent-resistant plastic construction. Choose from 38 different 3M IDCs to meet a variety of uses; including fluorescent ballast installation and replacement, fixture and appliance wiring, automotive and marine wiring, and control circuit wiring.

Scotchlok IDC Connectors for Communication Applications

22

Over 30 years ago, 3M introduced the industry's original U element connector, the Scotchlok UR Connector. The latest series of connectors; the Scotchlok UR2, UY2 and UB2A connectors; features that same originality in technological advantages, building on the successful Scotchlok connector's design, shape, color-coded cap concepts and element technology. The Series 2 connectors additionally offer full wire range capability, increased port size to accommodate up to 0.082" (2,08 mm) insulation sizes, double elements in all products and a solvent-resistant plastic construction.

3M™ E-9BM, E-9C, E-9E, E-9Y Crimping Tools



23

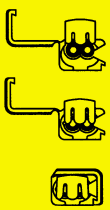
The E-9BM Crimping Tool is used with most Scotchlok connectors, and has parallel closing action with adjustable jaws and a high mechanical advantage. The E-9C Cartridge Tool with Case holds connectors (in cartridges) firmly in place, allowing the craftsperson use of the other hand for guiding wires. A time saving tool, the E-9C tool holds cartridges of UR2, UR, UY2, UY, or UAL connectors. The E-9E Crimping Tool is a parallel closing-action tool for use with Scotchlok butt and tap connectors. The E-9Y Crimping Tool's stepped jaws and long nose provide parallel crimping action. Its features include a side wire cutter, cushioned handles and a return spring.

Features — Advantages — Benefits

Insulation Displacement Connectors

Squeeze-shut connector	No wire stripping or twisting	Saves time
Crimp with slip-joint pliers	No special tools required	Saves money
Unique "U" contact, fully insulated	Provides dependable connections	Safety
No need to cut run wire	Faster installation, minimum clean up	Saves time
No need to twist on	Easy on hands	Easy to use

Connecting Tips

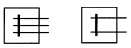
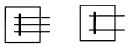
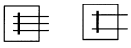
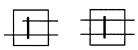
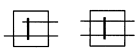
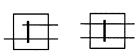
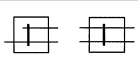
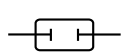


Quick, reliable splices are a squeeze. And a snap.

3M Scotchlok Insulation Displacement Connectors (IDCs) are easy to use and save time — to install one, just squeeze — no stripping or twisting. Our unique "U" contact provides a dependable electrical connection.

- A "live-spring" joint is made by driving the "U" contact down into the connector.
- As the "U" contact is pressed into the connector, it grasps the conductors as it displaces the insulation.
- Contact grips the conductor and holds with a firm, resilient pressure.

Specification Information for Scotchlok™ Insulation Displacement Connectors

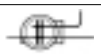
Connector	Type Connection	Features/ Description	Maximum Insulation O.D.	AWG (mm^2) Wire Range	Operating Temperature	UL, CSA or CE Certified	Suggested 3M Tools/Mate
314*		Moisture-resistant seal	0.155" (3,9 mm)	22-14 (0,5-1,5)	221°F (105°C)	UL, CSA ††	E-9BM
314U*		Dry environment applications	0.155" (3,9 mm)	22-14 (0,5-1,5)	221°F (105°C)	UL, CSA ††	E-9BM
316IR		Moisture-resistant applications	0.155" (3,9 mm)	22-16 (0,5-1,5)	221°F (105°C)	N/A	E-9BM
557		Dual element connection	0.120" (3,05 mm)	22-16 (0,5-1,5)	221°F (105°C)	UL, CSA ††, CE	E-9BM
558		Flame retardant	0.120" (3,05 mm)	22-16 (0,5-1,5)	221°F (105°C)	UL, CSA ††, CE	E-9BM
560		Flame retardant	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 (1,5) Stranded	221°F (105°C)	UL, CSA ††, CE	E-9BM
560B		Run & Tap Splicing	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 Stranded	194°F (90°C)	UL ††	E-9BM
560N		Flame retardant	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 Stranded	221°F (105°C)	UL, CSA ††	E-9BM
562		Flame retardant	0.190" (4,82 mm)	12 (3,0) Solid/Stranded 10 (4,0) Stranded	221°F (105°C)	††, ††, UL, CE	E-9BM
564		Dry environment applications	0.145" (3,68 mm)	18-14 (0,75-1,5)	194°F (90°C)	CE	E-9BM
567		Dual element connection	0.145" (3,68 mm) Tap 0.190" (4,82 mm) Run	18-14 (0,75-1,5) Tap 12-10 (3,0-4,0) Run	221°F (105°C)	UL, CSA, CE ††	E-9BM
804		Moisture-resistant applications	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 (1,5) Stranded	167°F (75°C)	UL ††	E-9BM
804U		Dry environment applications	0.145" (3,68 mm)	18-16 (0,75-1,5) Solid/Stranded 14 (1,5) Stranded	167°F (75°C)	UL ††	E-9BM
901		Disconnect	0.145" (3,68 mm)	18-14 (0,75-1,5)	194°F (90°C)	N/A	E-9BM MNG14-156DM
905		Low voltage (automotive)	0.110" (2,79 mm) Tap 0.145" (3,68 mm) Run applications	22-18 (0,5-1,0) Tap 18-14 (0,75-1,5) Run	194°F (90°C)	CE	E-9BM
905N		Low voltage (automotive)	0.110" (2,79 mm) Tap 0.145" (3,68 mm) Run applications	22-18 (0,5-1,0)Tap 18-14 (0,75-1,5) Run	194°F (90°C)	N/A	E-9BM
951		T-tap disconnect	0.150" (3,81 mm)	22-18 (0,5-1,0)	221°F (105°C)	UL, CSA †	E-9BM Mate: 0.250" male tab MNG18-250 DMI
952		T-tap disconnect	0.150" (3,81 mm)	18-14 (0,75-1,5)	221°F (105°C)	UL, CSA †	E-9BM Mate: 0.250" male tab MNG14-250 DMI
953		T-tap disconnect	0.150" (3,81 mm)	12 (3,0)	221°F (105°C)	UL, CSA †	E-9BM Mate: 0.250" male tab MNG10-250 DMI
972		Auto fuse holder	0.150" (3,81 mm)	18-14 (0,75-1,5)	194°F (90°C)	N/A	E-9BM

*Also tested in accordance with UL Standard for Portable Electric Lamps, UL 153, Section 15 when housed within the body of the lamp.
† UL Listed 70512 and/or CSA Certified LR15503
†† UL Listed 23438 and/or CSA Certified LR15503

Ordering Information for Scotchlok™ Insulation Displacement Connectors

Product Number	UPC (054007-)	Inner Unit Pack	Distributor Order Qty./Box
314	09230	50/box	500 box
	09231	—	1,000 bin
314U	09232	50/box	500 box
	09233	—	1,000 bin
316IR	50419	30/bag	300 bulk
557	21494	100/box	1,000 box
	21502	500/bag	5,000 bulk
558	14861	100/box	1,000 box
	14879	500/bag	5,000 bulk
560	00839	100/box	1,000 box
	00840	500/bag	5,000 bulk
560B	20090	100/box	1,000 box
	20181	500/bag	5,000 bulk
560N	09513	500/bag	5,000 bulk
562	11032	50/box	1,000 box
	11040	—	1,000 bin
564	06118	500/bag	5,000 bulk
567	14887	50/box	1,000 box
	14895	—	1,000 bin
804	06134	25/box	250 box
	06135	500/bag	5,000 bulk
	50187	50/bag	1,000 bulk
	50188	100/bag	1,000 bulk
804U	50767	500/bag	5,000 bulk
901	06106	50/box	500 box
	06107	500/bag	5,000 bulk
905	06128	50/box	500 box
	06129	500/bag	5,000 bulk
905N	06124	500/bag	5,000 bulk
951	12312	50/box	500 box
	12313	—	1,000 bin
952	08427	50/box	500 box
	08428	—	1,000 bin
953	12314	50/box	500 box
	12315	—	1,000 bin
972	06171	25/box	250 box
	06172	—	1,000 bin

Specification Information for Scotchlok™ Insulation Displacement Connectors for Communication

Connector	Type Connector	Features	Maximum Insulation	AWG (mm^2) Wire Range	Operating Temperature	UL, CSA or CE Certified	Suggested 3M Tool
U1B		Full pair	0.125" (3,18 mm)	16-19 (1,3-0,9) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM
U1R		Full pair	0.125" (3,18 mm)	19-24 (0,9-0,5) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM
UAL		For aluminum copper	0.082" (2,08 mm) Outside port 0.076" (1,93 mm) Center port	17-20 (1,15-0,8) Solid wire 19-24 (0,9-0,5) Solid copper	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UB2A		RUS Listed, full featured	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UB2A-D		RUS Listed, full featured	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UG		Moisture-resistant seal	0.066" (1,67 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
ULG		For large insulations	0.082" (2,08 mm) Outside Port 0.076" (1,93 mm) Center Port	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UP2		Dry flame retardant	0.060" (1,52 mm)	22-26 (0,7-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UP3		Dry flame retardant	0.066" (1,67 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UR		Moisture-resistant seal	0.066" (1,67 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UR2		RUS Listed, full featured	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UR2-D		Dry full featured	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UY		Moisture-resistant seal	0.060" (1,52 mm)	22-26 (0,7-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UY2		RUS Listed, full featured	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y
UY2-D		Dry full featured	0.082" (2,08 mm)	19-26 (0,9-0,4) Solid wire	-40 to 285°F (-40 to 140°C)	N/A	E-9BM E-9Y

Note: solid wires only.

Ordering Information for Scotchlok™ Insulation Displacement Connectors for Communication

Product Number	UPC (054007-)	Inner Unit Pack	Distributor Order Qty.
U1B	71340	—	1,000 bulk
U1R	56388	100/box	1,000 box
UAL	27827	100/box	1,000 box
	27828	N/A	10 cartridge
UB2A	92693	100/box	1,000 box
	92695	—	1,000 bin
	92696	500/bag	5,000 bulk
UB2A-D	92694	100/box	1,000 box
	92698	—	1,000 bin
	92697	1,000/box	5,000 bulk
UG	56391	100/box	1,000 box
	33280	—	5,000 bulk
	27814	20/bag	1,000 bin
ULG	30198	100/box	1,000 box
	30199	—	10 cartridge
UP2	32698	N/A	10 cartridge
	33420	100/box	5,000 bulk
	33428	N/A	1,000 bin
UP3	33429	N/A	1,000 bin
	33419	N/A	5,000 bulk
	32700	N/A	10 cartridge
UR	33277	—	5,000 bulk
	27815	N/A	1,000 bin
	56390	100/box	1,000 box
	27816	N/A	10 cartridge
UR2	68540	—	1,000 bin
	68538	100/box	1,000 box
	68539	500/box	5,000 bulk
	68541	N/A	10 cartridge
UR2-D	71473	N/A	1,000 bin
	71474	N/A	5,000 bulk
	71475	N/A	10 cartridge
UY	33278	1,000/box	5,000 bulk
	14929	N/A	1,000 bin
	14911	100/box	1,000 box
	27817	N/A	10 cartridge
UY2	68536	N/A	1,000 bin
	68537	100/box	1,000 box
	68535	N/A	5,000 bulk
	68534	N/A	10 cartridge
UY2D	71476	N/A	1,000 bin
	71477	N/A	5,000 bulk
	71478	N/A	10 cartridge

Specification and Ordering Information for 3M™ Application Tools

Product Number	UPC (054007-)	Description	Application	Inner Unit Pack	Case Qty.
E-9BM Crimping Tool	33482	Adjustable jaws, parallel action	UR2, UR2-D, UR, UY2, UY2-D, UY, UAL, ULG, UP2	1/box	10
E-9E Crimping Tool	10577	Parallel action	UAL, UG, UR2, UY2, UB2	1/box	10
E-9Y* Crimping Tool	15625	Stepped jaws, side wire cutters, cushioned handles, return spring	UAL, UG, UR2, UY2, UB2	1/box	10

*It is recommended when splicing 19 AWG (0,9 mm) using the E-9Y tool that no more than two conductors be crimped.

Terminals, Kits and Tools

- **Glossary of Product Terminology pg. 34**
- **Scotchlok™ Terminals (boxed) pg. 38**
  - Ring Tongues pg. 38
  - Multi-Stud Ring Tongues pg. 60
  - Standard Forks pg. 61
  - Block Forks pg. 66
  - Flanged Block Forks pg. 73
  - Locking Forks pg. 78
  - Butt Connectors pg. 87
  - Female Disconnects pg. 91
  - Male Disconnects pg. 99
  - Flags pg. 103
  - Multi-Stack Disconnects pg. 103
  - Adapters pg. 104
  - High Temperature pg. 106
  - Closed End Connectors pg. 109
  - Parallel Connectors pg. 110
  - Crimp Sleeve Connectors pg. 111
  - Pin Terminals pg. 112
- **Highland™ Terminals (bagged) pg. 113**
- **Solder Splice Connectors pg. 120**
- **Kits pg. 121**
- **Tools pg. 122**
- **Tool Charts pg. 124**
- **Terminal Stud Size Chart pg. 127**
- **American Wire Gauge pg. 127**

For more than 30 years, 3M has been a leading supplier of Scotchlok™ terminals, disconnects, connectors and tools for high performance use in the assembly and maintenance of electrical systems. Thousands of satisfied customers know our products for:

- Effective and reliable performance, UL Listed and CSA Certified where appropriate.
- Variety of types, sizes and materials meeting a broad application range, including the demands of temperature and weather.
- Design features assuring easy installation of 3M products–positive and easy wire insertion, elimination of strand hang-ups and wire twisting, and easy insulation entry.

These are a few of the characteristics that make the installer's job easier.

24

? *Frequently Asked Questions*

What does the insulation grip do?	The insulation grip provides a "second" crimp on the wire insulation providing additional wire strain relief. It's excellent for high vibration applications.
Which 3M tools can I use with 3M terminals?	The handy reference guide on pages 122-126 gives you a variety of choices of tools to use with 3M terminals.
What's the difference between insulated and fully insulated disconnects?	Insulated disconnects have barrel insulation only and fully insulated disconnects are insulated from the barrel to the receptacle/tab.
What temperatures do 3M terminals withstand?	Non-insulated 3M terminals withstand temperatures up to 347°F (175°C). Insulated 3M terminals withstand temperatures up to 221°F (105°C).

Glossary of Terminals and Tools Terms

Adapters – To interconnect two connectors already attached to wires.

Block Fork – Same strength as the fork, but designed to use in terminal block because sides lie flat against barrier portion of terminal block.

Bullet Style – Similar advantages as disconnects. Gives reliable in-line connection because parts are made to have holding friction when joined. Usually for automotive use.

Butt – Uses chamfered barrel ends to provide fast, easy wire insertion from both ends and a built-in wire stop for correct positioning. Must be crimped at both ends.

Closed-End – Used in situations requiring pigtail of two or more wires.

Flanged Fork – Gives the benefit of both the block and locking forks. Stays secure should screw loosen.

Fork – Allows rapid connection of wire. Usually used on free-standing studs, because of wider tongues.

Locking Fork – The spring-like tongue locks in place around the stud even when mount screw is not tightened. Extra force is required to remove from stud.

Parallel – Similar to butt with overlapped wires and single crimp in center of connector. Used where space is limited.

Pins – For installation in compression blocks. Used in Europe for terminating stranded wire.

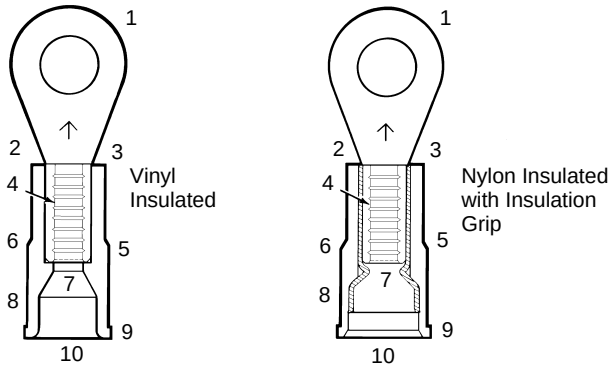
Quick Connect (Disconnect) – Attached to mating part by tongue of female part slipping over male tab. Use of dents and rolled edges on female part provides excellent holding force while allowing easy and quick disconnect.

Ring – The standard style of tongue. The safest and most reliable. It cannot be removed unless mounting screw is removed.

Tab – Uses mounting hole for rivet or screw.

Tap – No wire stripping is necessary, just lay wire in connector and crimp. Connection is made.

Standard Terminal Construction



3M Terminals provide a variety of design features assuring consistently effective, reliable performance and easy installation.

Please refer to the illustrations at the numbered locations for the attributes described below.

1. One-piece, burr-free construction provides maximum electrical conductivity. Electrical bright-tin plating gives maximum corrosion resistance. Annealing relieves stress points and assures maximum installed strength.

2. Barrel-to-pad transition design minimizes flexing and bending.

3. Open-end design permits visual inspection of wire location before and after crimping.

4. Maximum hold on wire comes from multiple “V” grooves in #26–4 AWG parts resulting in excellent holding power.

5. Injection molded insulations on terminals are the highest quality in the industry.
- 221°F (105°C) rated, tough, resistant electrical grade materials
- Molding ensures consistent wall thickness for maximum reliability after crimping
- Molding allows funnel barrel construction for easier installation
- Molding offers the crimp ridge and non-slip ridge

6. Crimp ridge designed for positive location of tool on terminal barrel, resulting in few miscrimps.

7. Funnel barrel construction provides:
- Positive, easy wire insertion
- No hang-ups of wire strands
- Wire twisting not necessary

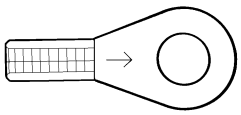
8. Nylon-insulated terminals with grip feature a brass sleeve. Sleeve provides optimum grip on insulation, strain relief and vibration protection. Brass sleeve is recessed which provides excellent flash-over protection.

9. Non-slip ridge so tool slides to correct position for a proper crimp and better workmanship.

10. Beveled leading edge for easy wire insulation entry.

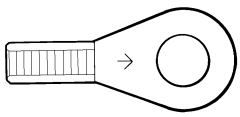
Barrel Styles

Non-insulated butted seam



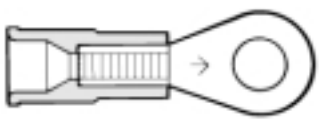
The most economical terminal—used where special performance or installation characteristics are not needed. Beveled mouth facilitates wire insertion. Maximum temperature for bare terminals: 347°F (175°C).

Non-insulated brazed seam



Beveled mouth facilitates wire insertion. Can be crimped anywhere on barrel surface. Silver brazed seam will not open under crimping pressure or operating stresses. Unlike butted seam parts, stranded wire cannot escape barrel confines during or after crimping. Maximum temperature for bare terminals: 347°F (175°C).

Vinyl insulated brazed and butted seams

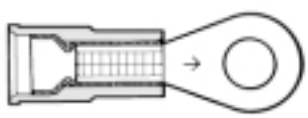


Used where insulated barrel is necessary and desirable. Terminal consists of brazed or butted part with flared, rigid molded polyvinyl chloride sleeve securely attached and funneled for easy wire entry. Wire insulation positions itself against funnel portion of vinyl sleeve thus eliminating strand hang-up. Crimping barrel and flared portion of sleeve provide excellent electrical contact plus mechanical stress relief at junction of insulation and barrel. Insulation has a non-slip ridge for ease of positioning crimping tool.

Industry standard color coding indicates wire range. Insulators are rated at a continuous operating temperature range from -40°F to 221°F (-40°C to 105°C).

UL Listed and CSA Certified for 600V building wire and 1000V signs and lighting fixtures (luminaries).

Nylon insulated butted seam with insulation grip



Used where insulated barrel and positive insulation grip are necessary or desirable. Terminal consists of butted seam part with flared, seamless brass sleeve securely attached and covered with flared, molded nylon sleeve. Wire insulation positions itself against funnel portion of brass sleeve. Crimping barrel and flared portion of sleeve provide excellent electrical contact plus mechanical stress relief at junction of insulation and barrel. Positioning crimp tool is nearly mistake proof due to a “step” in nylon insulation.

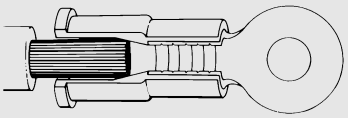
Industry standard color coding indicates wire range. Insulators are rated at a continuous operating temperature range from -40°F to 221°F (-40°C to 105°C).

UL Listed and CSA Certified for 600V building wire and 1000V signs and lighting fixtures (luminaries).

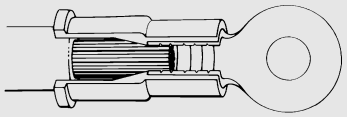
Installation Procedure

Funnel Barrel Feature provides an excellent electrical and mechanical connection.

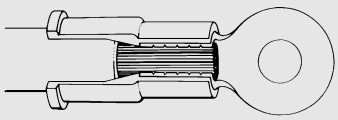
- Funnel design guides wire into position.



- No wire strand hang-up as the wire is inserted, giving a fast, positive installation.



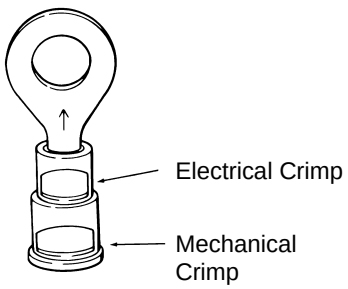
- Wire is in place, ready for crimping.



For maximum crimping performance, barrel of connector must be properly indexed in the crimp tool station.

Correct crimping is important to assure a strong connection

Insulated Terminals and Connectors:



Non-Insulated Terminals and Connectors:
Indent should be opposite the barrel seam.

Heat Shrink Terminals, Connectors and Disconnects

3M Heat Shrink pre-insulated terminals, connectors and disconnects protect against the most challenging of environments, making the best moisture protection available. They offer several advantages over conventional unsealed products.

Corrosion Resistance – The adhesive-lined heat shrink material, when properly crimped and shrunk, provides a seal resistant to water, salt, steam and other related contaminants.

Improved Mechanical Performance – The adhesive-lined heat shrink tubing adheres, when shrunk, to both the connector and the wire insulation providing improved pullout strength and strain relief.

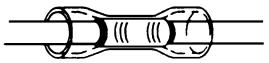
Durable Heat Shrink Tubing – Tough heat shrink tubing effectively resists abrasion, scoring, cut-through, and the effects of long term aging.

Versatile and Easy to Use – 3M heat shrink terminals, splices and disconnects are available in wire sizes 22–10 AWG and can be installed easily with a recommended tool and heat source. The connectors are color-coded for wire range identification and the transparent tubing allows for visual inspection.

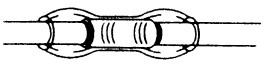
Application Procedure for Heat Shrink Products:

1. Strip wires to appropriate length as indicated on package label.

2. Insert wire into terminal and crimp with correct station of a recommended tool.



3. Apply heat with a recommended heat source.



High Temperature Terminals and Connectors

3M high temperature terminals and connectors are constructed of steel with a nickel plating. Their temperature rating for continuous use at 900°F (482°C) makes them perfect for use in ovens, motors, light fixtures and other applications where other connectors would corrode or melt.

There is no applicable UL or CSA standard for high temperature steel parts.

Standard Crimp Terminal and Connector Specifications

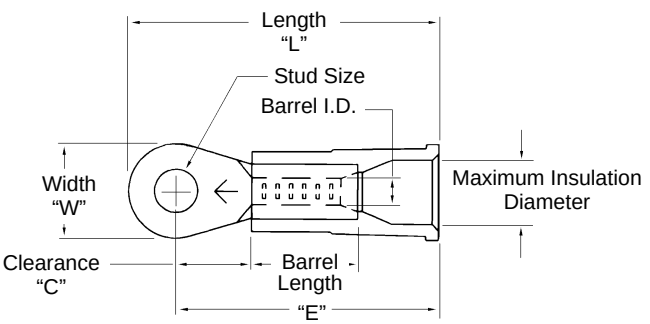
Materials

Crimp terminals and connectors are to be burr-free, annealed and bright-tin plated ETP copper. Barrels shall be 0.25" long with brazed seams where specified. Insulation grip sleeves are to be tin-plated brass and attached securely to the barrel. Terminal insulators are to be **molded** polyvinyl chloride or nylon, UL Listed and CSA Certified for 600V in building wire and 1000V in signs and lighting fixtures (luminaries). Connector insulators are to be **extruded** polyvinyl chloride or nylon with a temperature rating of 221°F (105°C).

Construction

All insulated terminals are to have funnel entry construction to prevent strand hang-up and a crimp ridge for proper tool location. Nylon insulated terminals and connectors are to have butted seam barrels with insulation grip sleeves. All terminal barrels are to have multiple “V” grooves for maximum conductor retention.

Dimension Key



Note: All dimensions are measured in inches.

Terminal Numbering System

Features

3M Identity	Code/Barrel Style	Wire Size Code (AWG)	*	Stud, Tab, or Bullet Size	Tongue Code	Product Availability**
M	No Code = Bare Brazed A = No Barrel (adapter) H = Heat Shrink I = Double Wall w/interlock N = Nylon Brazed NG = Nylon w/Grip NHU = Nylon/Butted w/Heat Shrink over top NU = Nylon/Butted U = Bare/Butted V = Vinyl/Brazed VA = Vinyl Adapter VU = Vinyl/Butted	24 = 26–24 (yellow) 20 = 26–20 (yellow) 18 = 22–18 (red) 14 = 16–14 (blue) 10 = 12–10 (yellow) 8 = 8 (red) 6 = 6 (blue) 4 = 4 (yellow)	—	(STUD) 0 = 0 2 = 2 4 = 4 6 = 6 8 = 8 10 = 10 12 = 1/2" 14 = 1/4" 38 = 3/8" 516 = 5/16" 610 = 6, 8 10 (TAB) 110 = 0.110" x 0.020" 110/32 = 0.110" x 0.032" 187 = 0.187" x 0.020" 250 = 0.250" x 0.032" 375 = 0.375" x 0.050" (BULLET) 156 = 0.156" Dia. 180 = 0.180" Dia.	F = Fork FB = Fork, Block FBHT = Fork, Block, High Temp. FFB = Fork, Flanged, Block FHT = Fork, High Temp. FL = Fork, Locking R = Ring RHD = Ring, Heavy Duty RHT = Ring, High Temp. /S = Short or Small /L = Large or Long R/Flag = Ring, Flag BC = Butt Connector CEC = Closed End Connector PC = Parallel Connector BCM = Butt Connector Moisture Res. CEC/ST = Closed End Connector, Steel Insert Disconnect DF = Female DFHT = Female, High Temp. DFI = Female, Fully Insulated DM = Male DMF = Male, Female DMHT = Male, High Temp. DMI = Male, Fully Insulated DF/Flag = Female Flag Adapter D = Disconnects F = Female FFI = Double Female, Fully Insulated M = Male MMI = Double Male, Fully Insulated MMF = Double Male, Female MFM = Male, Female, Male, Stacking RR = Ring Rectangular Tongue Fuse = Fuse Adapter Clip	All BOX (**X**) package terminals in this catalog are available (in the packaging quantity indicated) from local distributor stocks. All BULK (**K**) packaged terminals are available in full cartons only, and may require a three to five week order lead time from the factory.

* A dash (–) separates the wire size code from the stud, tab or bullet size code.
** **Denotes Product Packaging** – Packaging of Scotchlok™ terminals should be specified by using the appropriate terminal part number. Suffix letters are indicated within each product number (see "Product Number" heading in ordering information charts).
Note: Contact your local distributor or 3M sales office for price and delivery information.

Map of Numbering System

Example:

Catalog Number: MNG18-4 FB/SK

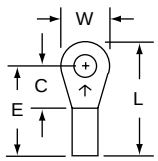
M	**NG**	**18**	**(-)**	**4**	**FB/S**	**K**
3M Identity	Barrel Style Nylon w/Grip	Wire Range 22–18 (red)		Stud/Bullet or Tab 4 Stud	Tongue Code Block Fork Short	Packaging Code Bulk

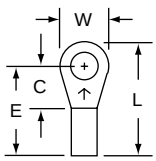
Insulator Color Coding

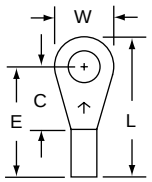
- Yellow (26-24 AWG)
- Red (22-18 AWG)
- Blue (16-14 AWG)
- Yellow (12-10 AWG)
- Red (8 AWG)
- Blue (6 AWG)
- Yellow (4 AWG)

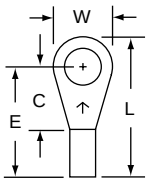
Ring Tongues – Non-Insulated Brazed Seam 22-18 AWG

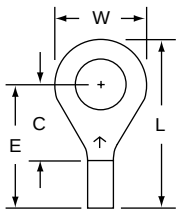
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M18-4R/SX	49590	22-18	4	0.25	0.22	0.60	0.47	0.030	0.25	0.070	100	500
M18-4R/SK	01014	22-18	4	0.25	0.22	0.60	0.47	0.030	0.25	0.070	—	1000
M18-6R/SX	21635	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	100	500
M18-6R/SK	01016	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	—	1000
M18-8R/LX	21643	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070	100	500
M18-8R/LK	01021	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070	—	1000
M18-10R/LX	21650	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070	100	500
M18-10R/LK	01023	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070	—	1000
M18-14R/SX	49591	22-18	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.070	100	500
M18-14R/SK	01024	22-18	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.070	—	1000
M18-516R/SX	49592	22-18	5/16	0.47	0.40	0.82	0.65	0.030	0.25	0.070	100	500
M18-38RX	49593	22-18	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.070	100	500
M18-38RK	01028	22-18	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.070	—	1000

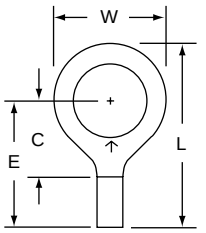










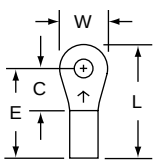


	M18-4R/S	M18-6R/S	M18-8R/L	M18-10R/L	M18-14R/S	M18-38R
Stud Size	4	6	8	10	1/4	3/8
Wire Range	22-18	22-18	22-18	22-18	22-18	22-18

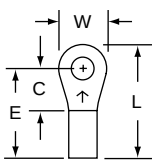
†Product Number ending in X = box; Product Number ending with K = bulk

Ring Tongues – Non-Insulated Brazed Seam 16-14 AWG

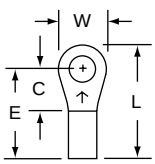
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M14-2R/SK	01379	16-14	2	0.25	0.22	0.60	0.47	0.030	0.25	0.090	—	1000
M14-4R/SX	49612	16-14	4	0.25	0.22	0.60	0.47	0.030	0.25	0.090	100	500
M14-4R/SK	01380	16-14	4	0.25	0.22	0.60	0.47	0.030	0.25	0.090	—	1000
M14-6R/SX	22294	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	100	500
M14-6R/SK	01382	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	—	1000
M14-6R/LK	01384	16-14	6	0.31	0.33	0.74	0.58	0.030	0.25	0.090	—	1000
M14-8R/LX	22302	16-14	8	0.31	0.33	0.74	0.58	0.030	0.25	0.090	100	500
M14-8R/LK	13880	16-14	8	0.31	0.33	0.74	0.58	0.030	0.25	0.090	—	1000
M14-10RK	13929	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	—	1000
M14-10R/LX	22310	16-14	10	0.31	0.33	0.74	0.58	0.030	0.25	0.090	100	500
M14-10R/LK	01389	16-14	10	0.31	0.33	0.74	0.58	0.030	0.25	0.090	—	1000
M14-14R/SX	22328	16-14	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.090	100	500
M14-14R/SK	01390	16-14	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.090	—	1000
M14-516R/SX	49613	16-14	5/16	0.47	0.40	0.89	0.65	0.030	0.25	0.090	100	500
M14-516R/SK	01392	16-14	5/16	0.47	0.40	0.89	0.65	0.030	0.25	0.090	—	1000
M14-38RX	49614	16-14	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.090	100	500



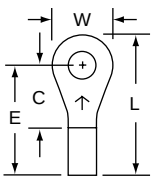
M14-2R/S
Stud Size 2
Wire Range 16-14



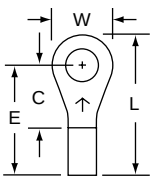
M14-4R/S
Stud Size 4
Wire Range 16-14



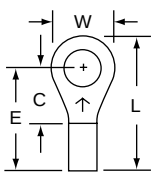
M14-6R/S
Stud Size 6
Wire Range 16-14



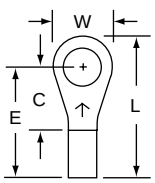
M14-6R/L
Stud Size 6
Wire Range 16-14



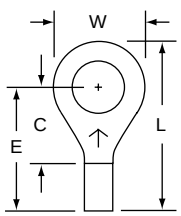
M14-8R/L
Stud Size 8
Wire Range 16-14



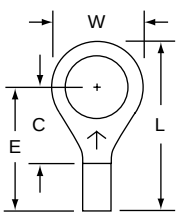
M14-10R
Stud Size 10
Wire Range 16-14



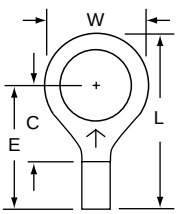
M14-10R/L
Stud Size 10
Wire Range 16-14



M14-14R/S
Stud Size 1/4
Wire Range 16-14



M14-516R/S
Stud Size 5/16
Wire Range 16-14

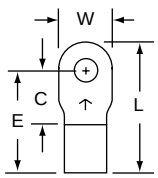


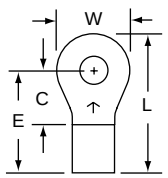
M14-38R
Stud Size 3/8
Wire Range 16-14

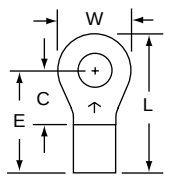
†*Product Number ending in X = box; Product Number ending with K = bulk*

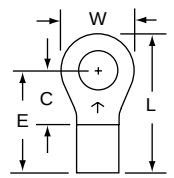
Ring Tongues – Non-Insulated Brazed Seam 12-10 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M10-4R/SK	01890	12-10	4	0.28	0.29	0.68	0.54	0.040	0.25	0.135	—	500
M10-6RX	23250	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-6RK	01892	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-8RX	23268	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-8RK	01894	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-10RX	23276	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-10RK	14002	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-14R/SX	23284	12-10	1/4	0.54	0.44	0.96	0.69	0.040	0.25	0.135	50	500
M10-14R/SK	01896	12-10	1/4	0.54	0.44	0.96	0.69	0.040	0.25	0.135	—	500
M10-516R/SX	49637	12-10	5/16	0.54	0.44	0.96	0.69	0.040	0.25	0.135	50	500
M10-516R/SK	01898	12-10	5/16	0.54	0.44	0.96	0.69	0.040	0.25	0.135	—	500
M10-38R/SX	49638	12-10	3/8	0.54	0.44	0.96	0.69	0.040	0.25	0.135	50	500
M10-38R/SK	01900	12-10	3/8	0.54	0.44	0.96	0.69	0.040	0.25	0.135	—	500
M10-12RK	01903	12-10	1/2	0.75	0.57	1.19	0.82	0.040	0.25	0.135	—	500

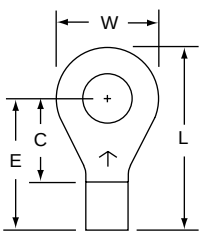


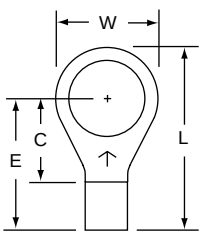


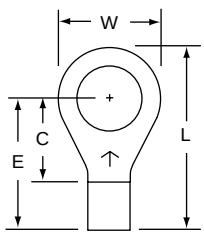


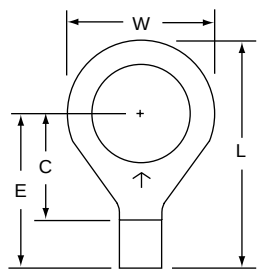


	M10-4R/S	M10-6R	M10-8R	M10-10R
Stud Size	4	6	8	10
Wire Range	12-10	12-10	12-10	12-10







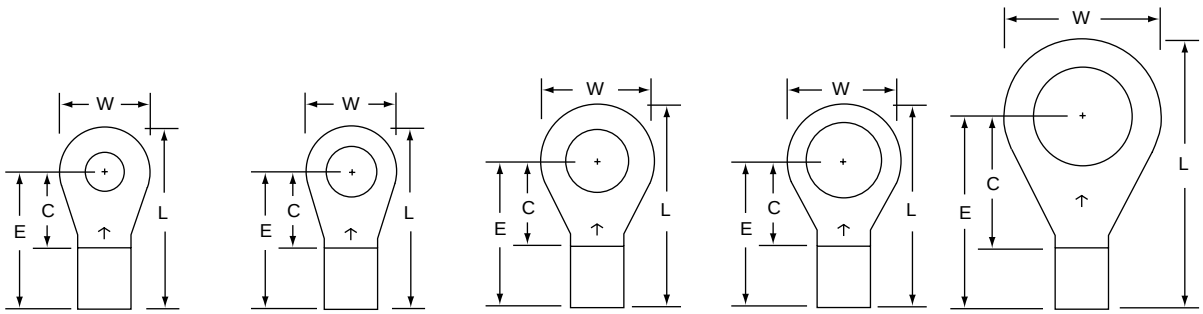


	M10-14R/S	M10-516R/S	M10-38R/S	M10-12R
Stud Size	1/4	5/16	3/8	1/2
Wire Range	12-10	12-10	12-10	12-10

†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Non-Insulated Brazed Seam 8 AWG

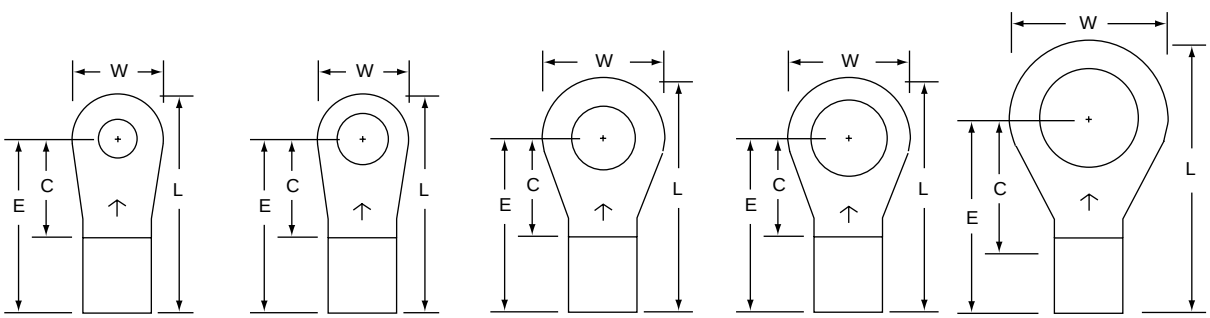
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M8-10R/SX	24118	8	10	0.47	0.40	0.95	0.72	0.050	0.31	0.175	25	250
M8-10R/SK	02118	8	10	0.47	0.40	0.95	0.72	0.050	0.31	0.175	—	200
M8-14R/SX	24126	8	1/4	0.47	0.40	0.95	0.72	0.050	0.31	0.175	25	250
M8-14R/SK	02120	8	1/4	0.47	0.40	0.95	0.72	0.050	0.31	0.175	—	200
M8-516RX	24134	8	5/16	0.59	0.45	1.06	0.77	0.050	0.31	0.175	25	250
M8-516RK	02122	8	5/16	0.59	0.45	1.06	0.77	0.050	0.31	0.175	—	200
M8-38RX	24142	8	3/8	0.59	0.45	1.06	0.77	0.050	0.31	0.175	25	250
M8-38RK	02123	8	3/8	0.59	0.45	1.06	0.77	0.050	0.31	0.175	—	200
M8-12R/SK	02126	8	1/2	0.81	0.69	1.41	1.00	0.050	0.31	0.175	—	200



	M8-10R/S	M8-14R/S	M8-516R	M8-38R	M8-12R/S
Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	8	8	8	8	8

Ring Tongues – Non-Insulated Brazed Seam 6 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M6-10R/SX	24175	6	10	0.47	0.52	1.14	0.91	0.050	0.39	0.250	20	200
M6-10R/SK	02147	6	10	0.47	0.52	1.14	0.91	0.050	0.39	0.250	—	200
M6-14R/SX	24183	6	1/4	0.47	0.52	1.14	0.91	0.050	0.39	0.250	20	200
M6-14R/SK	02149	6	1/4	0.47	0.52	1.14	0.91	0.050	0.39	0.250	—	200
M6-516RX	24191	6	5/16	0.63	0.52	1.22	0.91	0.050	0.39	0.250	20	200
M6-516RK	02151	6	5/16	0.63	0.52	1.22	0.91	0.050	0.39	0.250	—	200
M6-38RX	24209	6	3/8	0.63	0.52	1.22	0.91	0.050	0.39	0.250	20	200
M6-38RK	02152	6	3/8	0.63	0.52	1.22	0.91	0.050	0.39	0.250	—	200
M6-12R/SK	02155	6	1/2	0.81	0.63	1.42	1.02	0.050	0.39	0.250	—	200

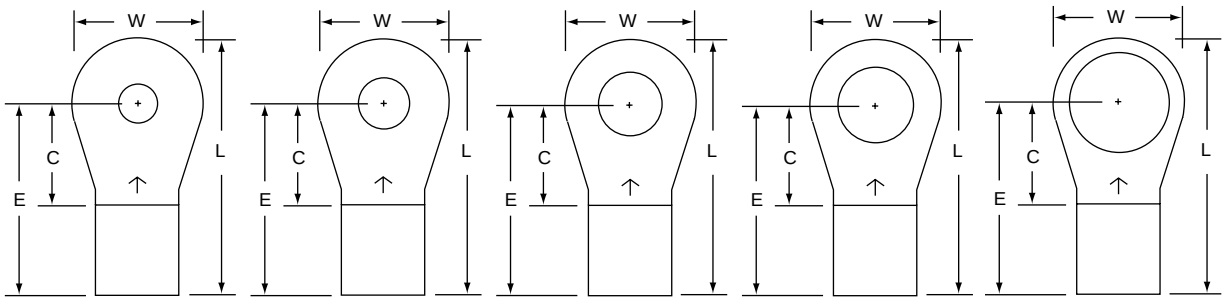


	M6-10R/S	M6-14R/S	M6-516R	M6-38R	M6-12R/S
Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	6	6	6	6	6

†Product Number ending in X = box; Product Number ending with K = bulk

Ring Tongues – Non-Insulated Brazed Seam 4 AWG

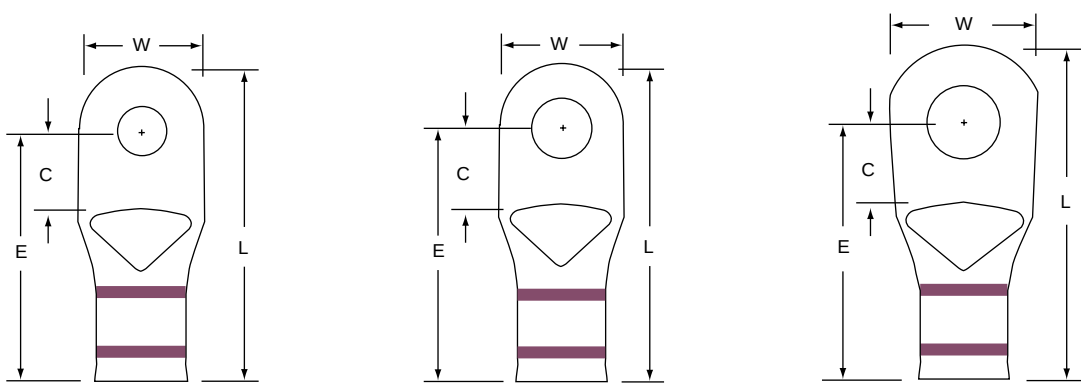
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M4-10RX	49648	4	10	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-10RK	02176	4	10	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-14RX	24241	4	1/4	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-14RK	02177	4	1/4	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-516RX	24258	4	5/16	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-516RK	02178	4	5/16	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-38RX	24266	4	3/8	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-38RK	02179	4	3/8	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-12R/SK	02182	4	1/2	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200



	M4-10R	M4-14R	M4-516R	M4-38R	M4-12R/S
Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	4	4	4	4	4

Large Gauge Ring Tongues – Non-Insulated Copper Seamless 2 AWG

Product Number†	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Inner Unit Pack	Case Qty.
MC2-14RX	09187	Brown	2 AWG	1/4" (6 mm²)	0.63" (16,0 mm)	0.40" (10,2 mm)	1.62" (41,1 mm)	1.29" (32,8 mm)	0.11" (2,8 mm)	0.55" (14,0 mm)	0.341" (8,6 mm)	10/ box	100
MC2-516RX	09188	Brown	2 AWG	5/16" (8 mm²)	0.63" (16,0 mm)	0.40" (10,2 mm)	1.62" (41,1 mm)	1.29" (32,8 mm)	0.11" (2,8 mm)	0.55" (14,0 mm)	0.341" (8,6 mm)	10/ box	100
MC2-38RX	09189	Brown	2 AWG	3/8" (10 mm²)	0.78" (19,8 mm)	0.46" (11,7 mm)	1.75" (44,5 mm)	1.35" (34,3 mm)	0.11" (2,8 mm)	0.55" (14,0 mm)	0.341" (8,6 mm)	10/ box	100

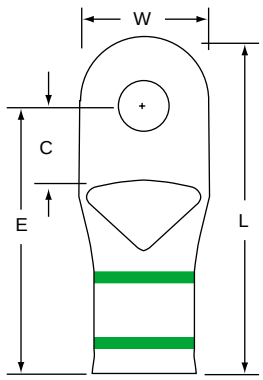


	MC2-14RX	MC2-516RX	MC2-38RX
Stud Size	1/4	5/16	3/8
Wire Range	2	2	2

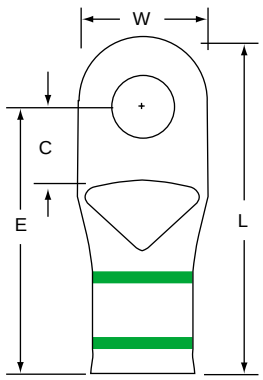
†*Product Number ending in X = box; Product Number ending with K = bulk*

Large Gauge Ring Tongues – Non-Insulated Copper Seamless 1 AWG

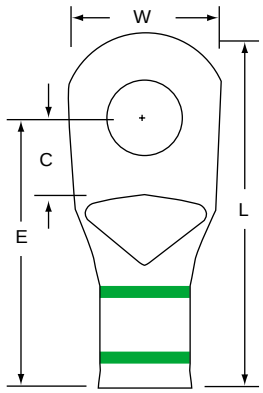
Product Number†	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Inner Unit Pack	Case Qty.
MC1-14RX	09190	Green	1 AWG	1/4" (6 mm²)	0.68" (17,3 mm)	0.39" (9,9 mm)	1.72" (43,7 mm)	1.37" (34,8 mm)	0.11" (2,8 mm)	0.60" (15,2 mm)	0.365" (9,3 mm)	10/ box	100
MC1-516RX	09191	Green	1 AWG	5/16" (8 mm²)	0.68" (17,3 mm)	0.39" (9,9 mm)	1.72" (43,7 mm)	1.37" (34,8 mm)	0.11" (2,8 mm)	0.60" (15,2 mm)	0.365" (9,3 mm)	10/ box	100
MC1-38RX	09192	Green	1 AWG	3/8" (10 mm²)	0.78" (19,8 mm)	0.46" (11,7 mm)	1.83" (46,5 mm)	1.43" (36,3 mm)	0.11" (2,8 mm)	0.60" (15,2 mm)	0.365" (9,3 mm)	10/ box	100



MC1-14RX
Stud Size 1/4
Wire Range 1



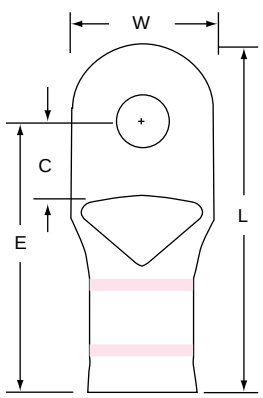
MC1-516RX
5/16
1



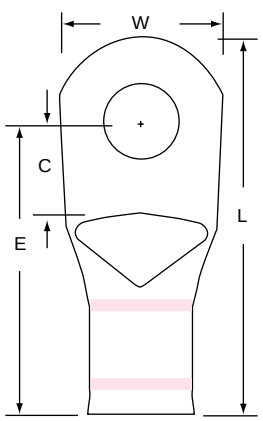
MC1-38RX
3/8
1

Large Gauge Ring Tongues – Non-Insulated Copper Seamless 1/0 AWG

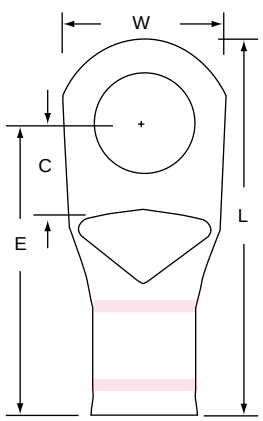
Product Number†	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Inner Unit Pack	Case Qty.
MC1/0-14RX	09193	Pink	1/0 AWG	1/4" (6 mm²)	0.75" (19,0 mm)	0.40" (10,2 mm)	1.83" (46,5 mm)	1.44" (36,6 mm)	0.11" (2,8 mm)	0.65" (16,5 mm)	0.412" (10,5 mm)	10/ box	100
MC1/0-38RX	09194	Pink	1/0 AWG	3/8" (8 mm²)	0.84" (21,3 mm)	0.46" (11,7 mm)	1.90" (48,3 mm)	1.52" (38,6 mm)	0.11" (2,8 mm)	0.65" (16,5 mm)	0.412" (10,5 mm)	10/ box	100
MC1/0-12RX	09195	Pink	1/0 AWG	1/2" (12 mm²)	0.84" (21,3 mm)	0.46" (11,7 mm)	1.90" (48,3 mm)	1.52" (38,6 mm)	0.11" (2,8 mm)	0.65" (16,5 mm)	0.412" (10,5 mm)	10/ box	100



MC1/0-14RX
Stud Size 1/4
Wire Range 1/0



MC1/0-38RX
3/8
1/0

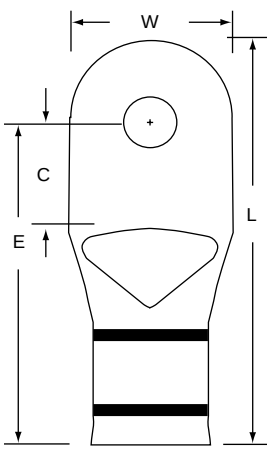


MC1/0-12RX
1/2
1/0

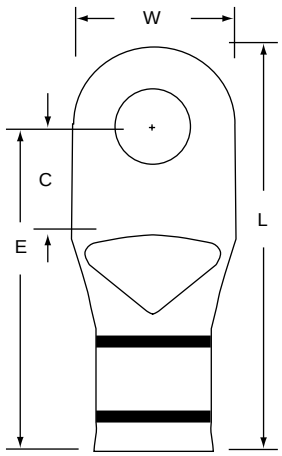
†Product Number ending in X = box; Product Number ending with K = bulk

Large Gauge Ring Tongues – Non-Insulated Copper Seamless 2/0 AWG

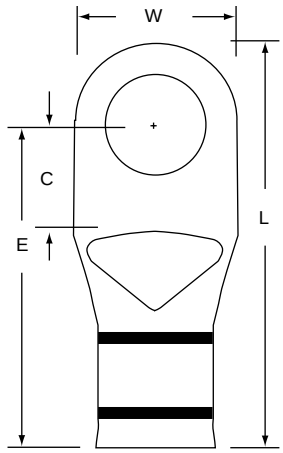
Product Number†	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Inner Unit Pack	Case Qty.
MC2/0-14RX	09196	Black	2/0 AWG	1/4" (6 mm²)	0.83" (21,1 mm)	0.50" (12,7 mm)	2.09" (53,1 mm)	1.63" (41,4 mm)	0.11" (2,8 mm)	0.68" (17,3 mm)	0.466" (11,8 mm)	10/ box	100
MC2/0-38RX	09197	Black	2/0 AWG	3/8" (10 mm²)	0.83" (21,1 mm)	0.50" (12,7 mm)	2.09" (53,1 mm)	1.63" (41,4 mm)	0.11" (2,8 mm)	0.68" (17,3 mm)	0.466" (11,8 mm)	10/ box	100
MC2/0-12RX	09198	Black	2/0 AWG	1/2" (12 mm²)	0.83" (21,1 mm)	0.50" (12,7 mm)	2.09" (53,1 mm)	1.63" (41,4 mm)	0.11" (2,8 mm)	0.68" (17,3 mm)	0.466" (11,8 mm)	10/ box	100



MC2/0-14RX
Stud Size 1/4
Wire Range 2/0



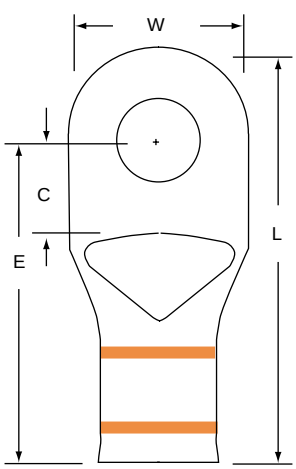
MC2/0-38RX
3/8
2/0



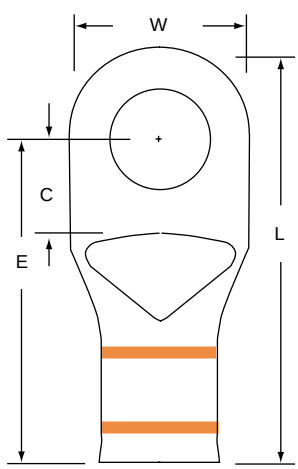
MC2/0-12RX
1/2
2/0

Large Gauge Ring Tongues – Non-Insulated Copper Seamless 3/0 AWG

Product Number†	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Inner Unit Pack	Case Qty.
MC3/0-38RX	09199	Orange	3/0 AWG	3/8" (10 mm²)	0.92" (23,4 mm)	0.50" (12,7 mm)	2.16" (54,9 mm)	1.69" (42,9 mm)	0.12" (3,1 mm)	0.70" (17,8 mm)	0.516" (13,1 mm)	6/ box	60
MC3/0-12RX	09200	Orange	3/0 AWG	1/2" (12 mm²)	0.92" (23,4 mm)	0.50" (12,7 mm)	2.16" (54,9 mm)	1.69" (42,9 mm)	0.12" (3,1 mm)	0.70" (17,8 mm)	0.516" (13,1 mm)	6/ box	60



MC3/0-38RX
Stud Size 3/8
Wire Range 3/0

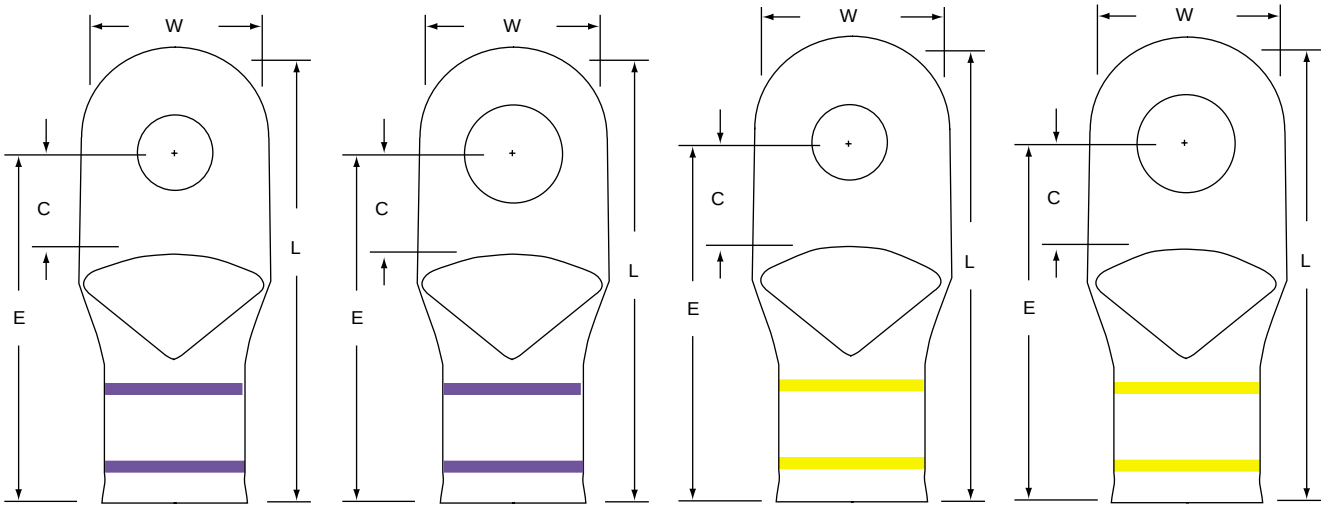


MC3/0-12RX
1/2
3/0

†Product Number ending in X = box; Product Number ending with K = bulk

Large Gauge Ring Tongues – Non-Insulated Copper Seamless 4/0 AWG-250 kcmil

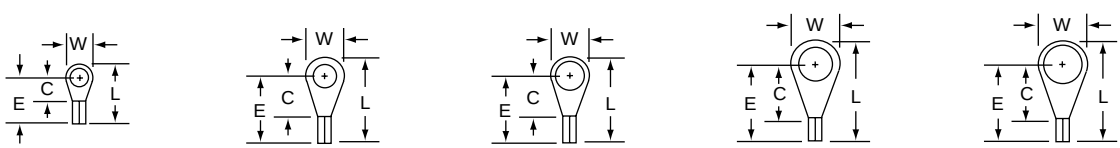
Product Number†	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Inner Unit Pack	Case Qty.
MC4/0-38RX	09201	Purple	4/0 AWG	3/8" (10 mm²)	1.00" (25,4 mm)	0.54" (13,7 mm)	2.35" (59,7 mm)	1.84" (46,7 mm)	0.13" (3,3 mm)	0.73" (18,5 mm)	0.564" (14,3 mm)	6/ box	60
MC4/0-12RX	09202	Purple	4/0 AWG	1/2" (12 mm²)	1.00" (25,4 mm)	0.54" (13,7 mm)	2.35" (59,7 mm)	1.84" (46,7 mm)	0.13" (3,3 mm)	0.73" (18,5 mm)	0.564" (14,3 mm)	6/ box	60
MC250-38RX	09203	Yellow	250 kcmil	3/8" (10 mm²)	1.05" (26,7 mm)	0.54" (13,7 mm)	2.39" (60,7 mm)	1.86" (47,2 mm)	0.13" (3,3 mm)	0.73" (18,5 mm)	0.595" (15,1 mm)	6/ box	60
MC250-12RX	09204	Yellow	250 kcmil	1/2" (12 mm²)	1.05" (26,7 mm)	0.54" (13,7 mm)	2.39" (60,7 mm)	1.86" (47,2 mm)	0.13" (3,3 mm)	0.73" (18,5 mm)	0.595" (15,1 mm)	6/ box	60



	MC4/0-38RX	MC4/0-12RX	MC250-38RX	MC250-12RX
Stud Size	3/8	1/2	3/8	1/2
Wire Range	4/0	4/0	250	250

Ring Tongues – Non-Insulated Butted Seam 26-24 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU24-2RK	00958	26-24	2	0.14	0.12	0.31	0.24	0.020	0.13	0.030	1000
MU24-4RK	00959	26-24	4	0.20	0.21	0.45	0.35	0.020	0.14	0.030	1000
MU24-6RK	00960	26-24	6	0.20	0.21	0.45	0.35	0.020	0.14	0.030	1000
MU24-8RK	00961	26-24	8	0.25	0.28	0.53	0.40	0.020	0.13	0.030	1000
MU24-10RK	00962	26-24	10	0.25	0.28	0.53	0.40	0.020	0.13	0.030	1000

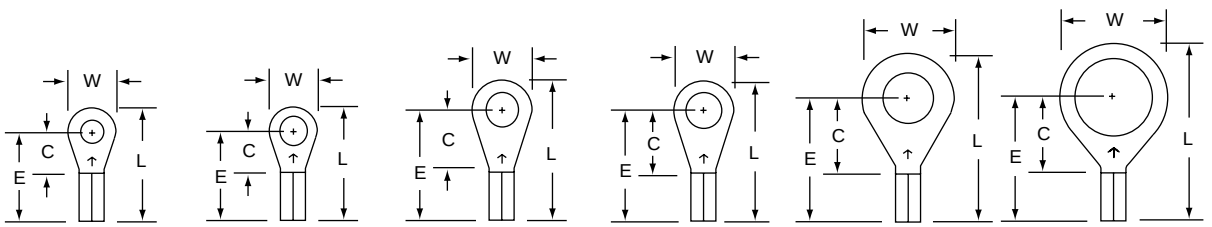


	MU24-2R	MU24-4R	MU24-6R	MU24-8R	MU24-10R
Stud Size	2	4	6	8	10
Wire Range	26-24	26-24	26-24	26-24	26-24

†Product Number ending in X = box; Product Number ending with K = bulk

Ring Tongues – Non-Insulated Butted Seam 22-18 AWG

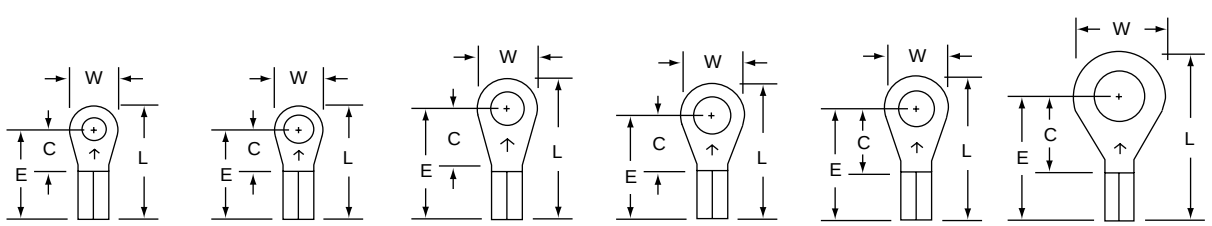
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-4R/SK	00998	22-18	4	0.25	0.22	0.60	0.47	0.030	0.25	0.070	1000
MU18-6R/SK	01000	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	1000
MU18-8R/LK	01005	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070	1000
MU18-10R/LK	01007	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070	1000
MU18-14R/SK	01008	22-18	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.070	1000
MU18-38RK	01012	22-18	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.070	1000



	MU18-4R/S	MU18-6R/S	MU18-8R/L	MU18-10R/L	MU18-14R/S	MU18-38R
Stud Size	4	6	8	10	1/4	3/8
Wire Range	22-18	22-18	22-18	22-18	22-18	22-18

Ring Tongues – Non-Insulated Butted Seam 16-14 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU14-4R/SK	01364	16-14	4	0.25	0.22	0.60	0.47	0.030	0.25	0.090	1000
MU14-6R/SK	01366	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	1000
MU14-8R/LK	01371	16-14	8	0.31	0.33	0.74	0.58	0.030	0.25	0.090	1000
MU14-10RK	01372	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	1000
MU14-10R/LK	01373	16-14	10	0.31	0.33	0.74	0.58	0.030	0.25	0.090	1000
MU14-14R/SK	01374	16-14	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.090	1000

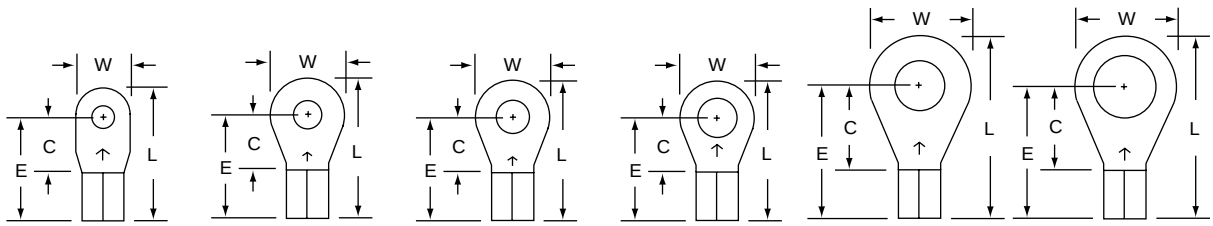


	MU14-4R/S	MU14-6R/S	MU14-8R/L	MU14-10R	MU14-10R/L	MU14-14R/S
Stud Size	4	6	8	10	10	1/4
Wire Range	16-14	16-14	16-14	16-14	16-14	16-14

†Product Number ending in X = box; Product Number ending with K = bulk

Ring Tongues – Non-Insulated Butted Seam 12-10 AWG

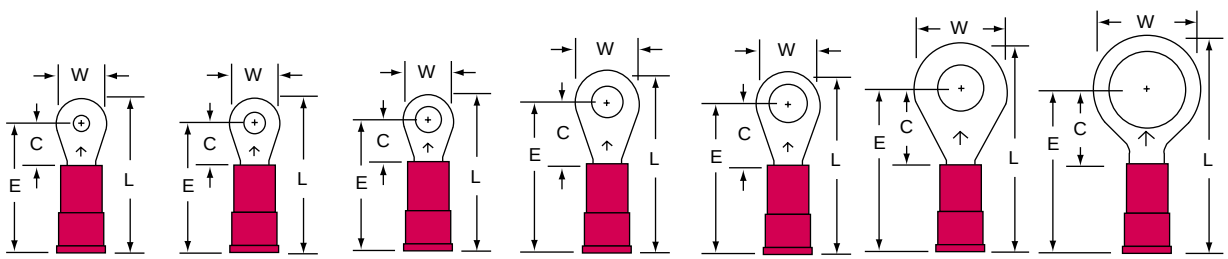
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU10-4R/SK	01876	12-10	4	0.28	0.29	0.68	0.54	0.040	0.25	0.135	500
MU10-6RK	01878	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-8RK	01880	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-10RK	01881	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-14R/SK	01882	12-10	1/4	0.53	0.44	0.96	0.69	0.040	0.25	0.135	500
MU10-516R/SK	01884	12-10	5/16	0.53	0.44	0.96	0.69	0.040	0.25	0.135	500



	MU10-4R/S	MU10-6R	MU10-8R	MU10-10R	MU10-14R/S	MU10-516R/S
Stud Size	4	6	8	10	1/4	5/16
Wire Range	12-10	12-10	12-10	12-10	12-10	12-10

Ring Tongues – Vinyl Insulated Brazed Seam 22-18 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV18-2R/SK	01045	22-18	2	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	—	1000
MV18-4R/SX	21700	22-18	4	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	100	500
MV18-4R/SK	01046	22-18	4	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	—	1000
MV18-6R/SX	21718	22-18	6	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	100	500
MV18-6R/SK	01048	22-18	6	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	—	1000
MV18-8R/LX	21726	22-18	8	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	100	500
MV18-8R/LK	01053	22-18	8	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	—	1000
MV18-10R/LX	21734	22-18	10	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	100	500
MV18-10R/LK	01055	22-18	10	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	—	1000
MV18-14R/SX	21742	22-18	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	100	500
MV18-14R/SK	01056	22-18	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	—	1000
MV18-516R/SX	49594	22-18	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	100	500
MV18-38RX	21767	22-18	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.070	0.145	100	500
MV18-38RK	01060	22-18	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.070	0.145	—	1000

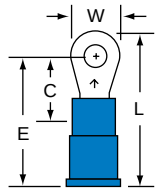


	MV18-2R/S	MV18-4R/S	MV18-6R/S	MV18-8R/L	MV18-10R/L	MV18-14R/S	MV18-38R
Stud Size	2	4	6	8	10	1/4	3/8
Wire Range	22-18	22-18	22-18	22-18	22-18	22-18	22-18

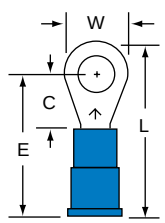
†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Vinyl Insulated Brazed Seam 16-14 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV14-4R/SX	22369	16-14	4	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	100	500
MV14-4R/SK	01412	16-14	4	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	—	1000
MV14-6R/SX	22377	16-14	6	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	100	500
MV14-6R/SK	01414	16-14	6	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	—	1000
MV14-8R/SK	01417	16-14	8	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	—	1000
MV14-8R/LX	22385	16-14	8	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	100	500
MV14-8R/LK	01419	16-14	8	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	—	1000
MV14-10RK	01420	16-14	10	0.33	0.29	0.90	0.74	0.030	0.25	0.090	0.170	—	1000
MV14-10R/LX	22393	16-14	10	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	100	500
MV14-10R/LK	01421	16-14	10	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	—	1000
MV14-14R/SX	22401	16-14	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	100	500
MV14-14R/SK	01422	16-14	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	—	1000
MV14-516R/SX	49615	16-14	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	100	500
MV14-516R/SK	01424	16-14	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	—	1000
MV14-38RX	22421	16-14	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.090	0.170	100	500
MV14-38RK	00546	16-14	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.090	0.170	—	1000



	MV14-4R/S	MV14-6R/S	MV14-8R/S	MV14-8R/L
Stud Size	4	6	8	8
Wire Range	16-14	16-14	16-14	16-14

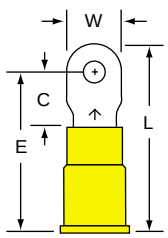


	MV14-10R	MV14-10R/L	MV14-14R/S	MV14-516R/S	MV14-38R
Stud Size	10	10	1/4	5/16	3/8
Wire Range	16-14	16-14	16-14	16-14	16-14

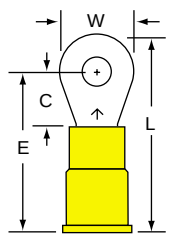
†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Vinyl Insulated Brazed Seam 12-10 AWG

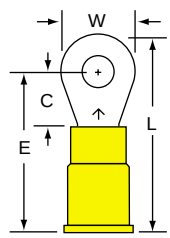
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV10-4R/SK	01918	12-10	4	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250	—	500
MV10-6RX	23334	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-6RK	01920	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-8RX	23342	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-8RK	01922	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-10RX	23359	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-10RK	01923	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-14R/SX	23367	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MV10-14R/SK	01924	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MV10-516R/SX	23375	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MV10-516R/SK	01926	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MV10-38R/SX	49639	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MV10-38R/SK	01928	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MV10-12RX	23409	12-10	1/2	0.75	0.57	1.50	1.12	0.040	0.25	0.135	0.250	50	500
MV10-12RK	01931	12-10	1/2	0.75	0.57	1.50	1.12	0.040	0.25	0.135	0.250	—	500



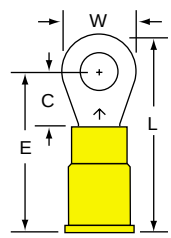
MV10-4R/S
Stud Size 4
Wire Range 12-10



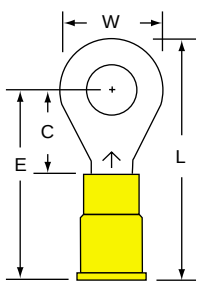
MV10-6R
6
12-10



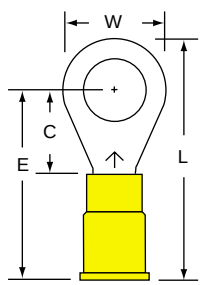
MV10-8R
8
12-10



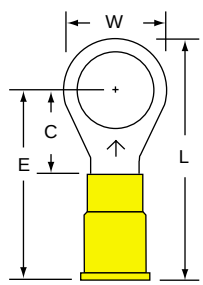
MV10-10R
10
12-10



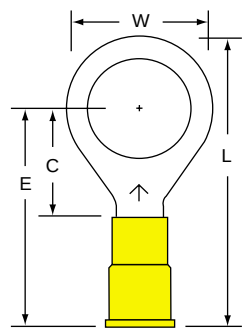
MV10-14R/S
Stud Size 1/4
Wire Range 12-10



MV10-516R/S
5/16
12-10



MV10-38R/S
3/8
12-10

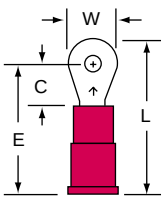


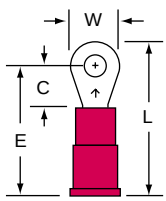
MV10-12R
1/2
12-10

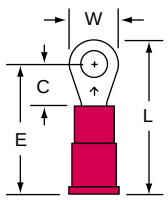
†Product Number ending in X = box; Product Number ending with K = bulk

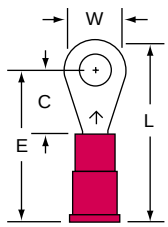
Ring Tongues – Vinyl Insulated Butted Seam 22-18 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU18-2R/SK	01077	22-18	2	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	1000
MVU18-4R/SK	01078	22-18	4	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	1000
MVU18-6R/SK	01080	22-18	6	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	1000
MVU18-8R/LK	01085	22-18	8	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	1000
MVU18-10R/LK	01087	22-18	10	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	1000
MVU18-14R/SK	01088	22-18	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	1000
MVU18-516R/SK	01090	22-18	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	1000
MVU18-38RK	01092	22-18	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.070	0.145	1000

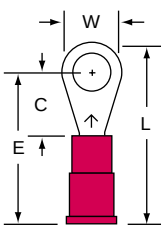


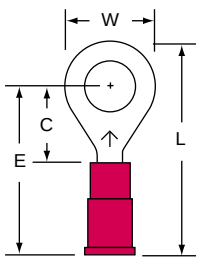


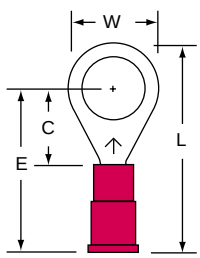


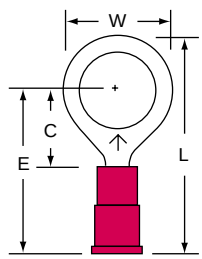


	MVU18-2R/S	MVU18-4R/S	MVU18-6R/S	MVU18-8R/L
Stud Size	2	4	6	8
Wire Range	22-18	22-18	22-18	22-18







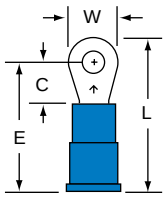


	MVU18-10R/L	MVU18-14R/S	MVU18-516R/S	MVU18-38R
Stud Size	10	1/4	5/16	3/8
Wire Range	22-18	22-18	22-18	22-18

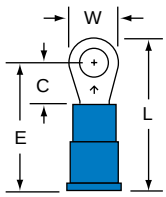
†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Vinyl Insulated Butted Seam 16-14 AWG

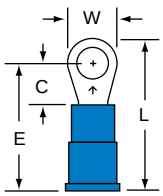
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU14-4R/SK	01444	16-14	4	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	1000
MVU14-6R/SK	01446	16-14	6	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	1000
MVU14-8R/SK	01449	16-14	8	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	1000
MVU14-8RK	01450	16-14	8	0.33	0.29	0.90	0.74	0.030	0.25	0.090	0.170	1000
MVU14-8R/LK	01451	16-14	8	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	1000
MVU14-10RK	01452	16-14	10	0.33	0.29	0.90	0.74	0.030	0.25	0.090	0.170	1000
MVU14-10R/LK	01453	16-14	10	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	1000
MVU14-14R/SK	01454	16-14	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	1000
MVU14-516R/SK	01456	16-14	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	1000
MVU14-38RK	01458	16-14	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.090	0.170	1000



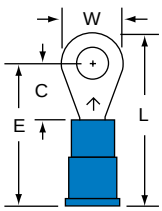
MVU14-4R/S
Stud Size 4
Wire Range 16-14



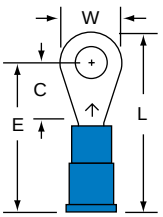
MVU14-6R/S
6
16-14



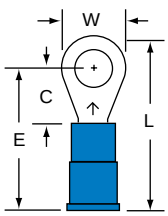
MVU14-8R/S
8
16-14



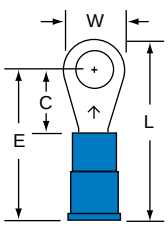
MVU14-8R
8
16-14



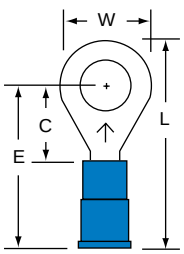
MVU14-8R/L
8
16-14



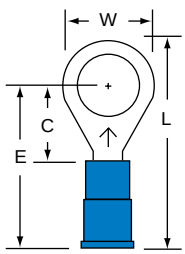
MVU14-10R
Stud Size 10
Wire Range 16-14



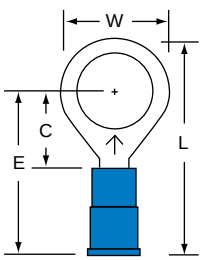
MVU14-10R/L
10
16-14



MVU14-14R/S
1/4
16-14



MVU14-516R/S
5/16
16-14

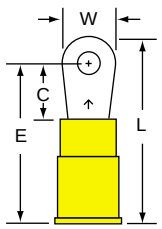


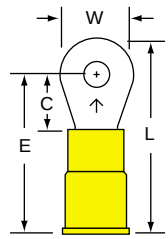
MVU14-38R
3/8
16-14

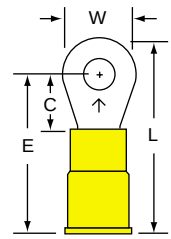
†*Product Number ending in X = box; Product Number ending with K = bulk*

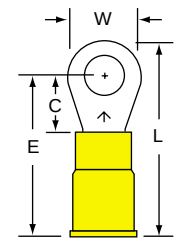
Ring Tongues – Vinyl Insulated Butted Seam 12-10 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU10-4R/SK	01946	12-10	4	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250	500
MVU10-6RK	01948	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-8RK	01950	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-10RK	01951	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-14R/SK	01952	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	500
MVU10-516R/SK	01954	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	500
MVU10-38R/SK	01956	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	500

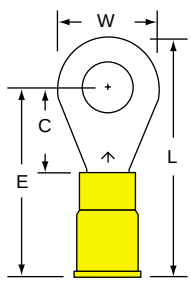


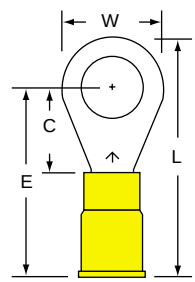


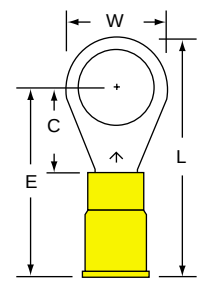




	MVU10-4R/S	MVU10-6R	MVU10-8R	MVU10-10R
Stud Size	4	6	8	10
Wire Range	12-10	12-10	12-10	12-10





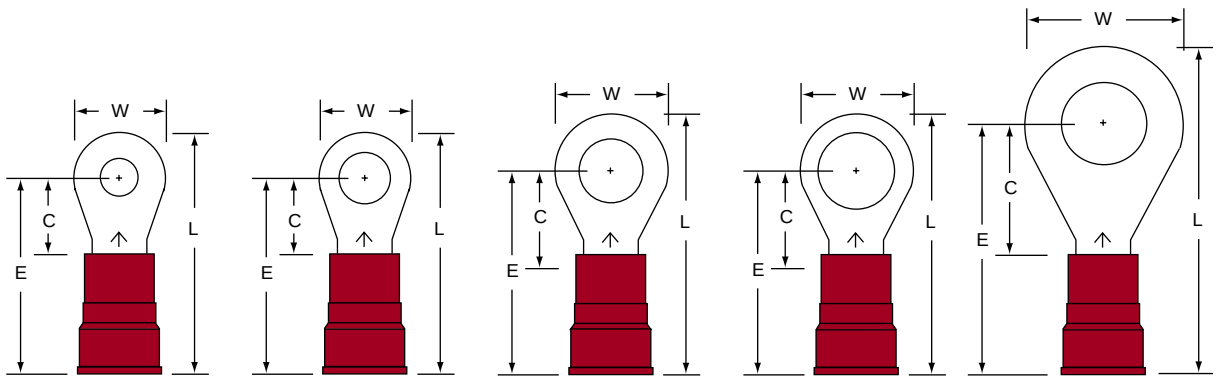


	MVU10-14R/S	MVU10-516R/S	MVU10-38R/S
Stud Size	1/4	5/16	3/8
Wire Range	12-10	12-10	12-10

†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Nylon Insulated Brazed Seam 8 AWG

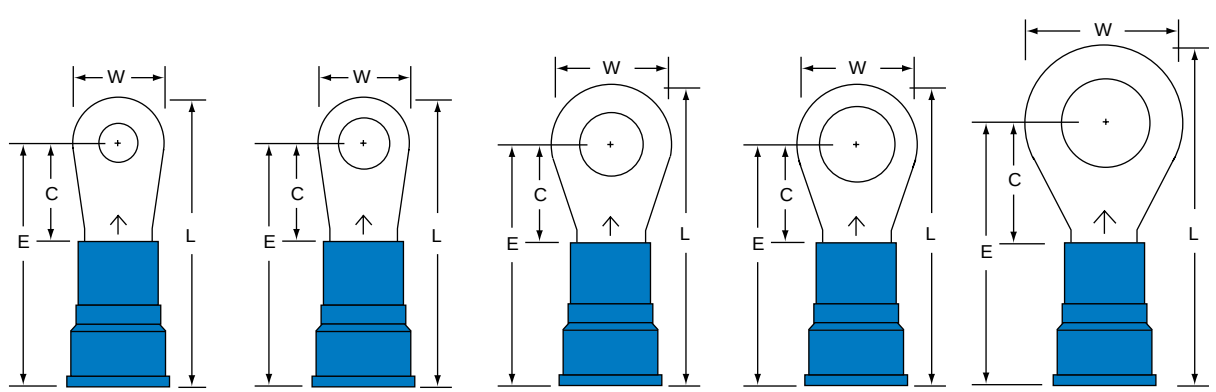
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MN8-10R/SK	08267	8	10	0.47	0.40	1.26	1.03	0.050	0.31	0.175	0.340	—	200
MN8-14R/SX	15652	8	1/4	0.47	0.40	1.26	1.03	0.050	0.31	0.175	0.340	25	250
MN8-14R/SK	08268	8	1/4	0.47	0.40	1.26	1.03	0.050	0.31	0.175	0.340	—	200
MN8-516RK	08269	8	5/16	0.59	0.45	1.38	1.08	0.050	0.31	0.175	0.340	—	200
MN8-38RK	08270	8	3/8	0.59	0.45	1.38	1.08	0.050	0.31	0.175	0.340	—	200
MN8-12R/SK	08271	8	1/2	0.81	0.69	1.72	1.32	0.050	0.31	0.175	0.340	—	200



	MN8-10R/S	MN8-14R/S	MN8-516R	MN8-38R	MN8-12R/S
Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	8	8	8	8	8

Ring Tongues – Nylon Insulated Brazed Seam 6 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MN6-10R/SK	08272	6	10	0.47	0.52	1.50	1.27	0.050	0.39	0.250	0.440	—	200
MN6-14R/SX	15660	6	1/4	0.47	0.52	1.50	1.27	0.050	0.39	0.250	0.440	20	200
MN6-14R/SK	08273	6	1/4	0.47	0.52	1.50	1.27	0.050	0.39	0.250	0.440	—	200
MN6-516RK	08274	6	5/16	0.63	0.52	1.58	1.27	0.050	0.39	0.250	0.440	—	200
MN6-38RK	08275	6	3/8	0.63	0.52	1.58	1.27	0.050	0.39	0.250	0.440	—	200
MN6-12R/SK	08276	6	1/2	0.81	0.63	1.78	1.38	0.050	0.39	0.250	0.440	—	200

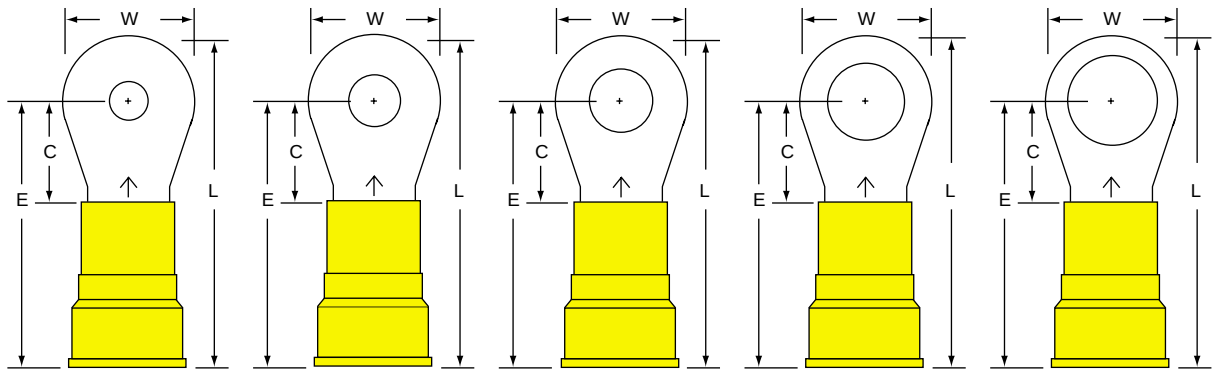


	MN6-10R/S	MN6-14R/S	MN6-516R	MN6-38R	MN6-12R/S
Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	6	6	6	6	6

†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Nylon Insulated Brazed Seam 4 AWG

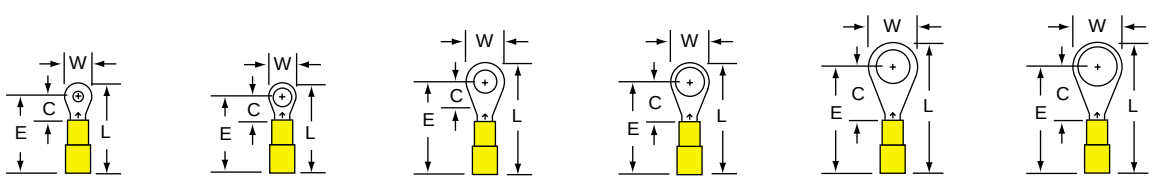
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MN4-10RK	08277	4	10	0.68	0.53	1.74	1.41	0.075	0.47	0.280	0.515	—	200
MN4-14RK	08278	4	1/4	0.68	0.53	1.74	1.41	0.075	0.47	0.280	0.515	—	200
MN4-516RK	08279	4	5/16	0.68	0.53	1.74	1.41	0.075	0.47	0.280	0.515	—	200
MN4-38RK	08280	4	3/8	0.68	0.53	1.74	1.41	0.075	0.47	0.280	0.515	—	200
MN4-12R/SK	08281	4	1/2	0.68	0.53	1.74	1.41	0.075	0.47	0.280	0.515	—	200



	MN4-10R	MN4-14R	MN4-516R	MN4-38R	MN4-12R/S
Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	4	4	4	4	4

Ring Tongues – Nylon Insulated with Insulation Grip 26-24 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG24-0RK	00969	26-24	0	0.14	0.12	0.47	0.40	0.020	0.13	0.030	0.093	—	1000
MNG24-2RK	00970	26-24	2	0.14	0.12	0.47	0.40	0.020	0.13	0.030	0.093	—	1000
MNG24-4RX	11318	26-24	4	0.20	0.21	0.60	0.49	0.020	0.14	0.030	0.093	100	500
MNG24-4RK	00971	26-24	4	0.20	0.21	0.60	0.49	0.020	0.14	0.030	0.093	—	1000
MNG24-6RX	49587	26-24	6	0.20	0.21	0.60	0.49	0.020	0.14	0.030	0.093	100	500
MNG24-6RK	00972	26-24	6	0.20	0.21	0.60	0.49	0.020	0.14	0.030	0.093	—	1000
MNG24-8RX	49588	26-24	8	0.25	0.28	0.69	0.56	0.020	0.13	0.030	0.093	100	500
MNG24-8RK	00973	26-24	8	0.25	0.28	0.69	0.56	0.020	0.13	0.030	0.093	—	1000
MNG24-10RX	11321	26-24	10	0.25	0.28	0.69	0.56	0.020	0.13	0.030	0.093	100	500
MNG24-10RK	00974	26-24	10	0.25	0.28	0.69	0.56	0.020	0.13	0.030	0.093	—	1000

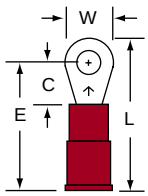


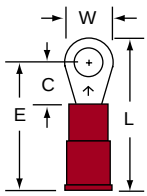
	MNG24-0R	MNG24-2R	MNG24-4R	MNG24-6R	MNG24-8R	MNG24-10R
Stud Size	0	2	4	6	8	10
Wire Range	26-24	26-24	26-24	26-24	26-24	26-24

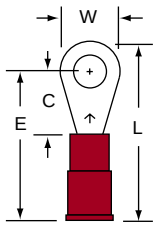
†*Product Number ending in X = box; Product Number ending with K = bulk*

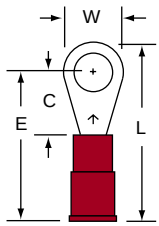
Ring Tongues – Nylon Insulated with Insulation Grip 22-18 AWG

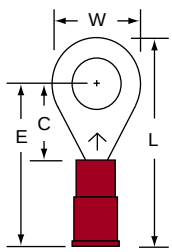
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-4RSX	49595	22-18	4	0.25	0.22	0.79	0.66	0.030	0.25	0.070	0.145	100	500
MNG18-4RSK	01062	22-18	4	0.25	0.22	0.79	0.66	0.030	0.25	0.070	0.145	—	1000
MNG18-6R/SX	21791	22-18	6	0.25	0.22	0.79	0.66	0.030	0.25	0.070	0.145	100	500
MNG18-6R/SK	16163	22-18	6	0.25	0.22	0.79	0.66	0.030	0.25	0.070	0.145	—	1000
MNG18-8R/LX	21809	22-18	8	0.31	0.33	0.92	0.77	0.030	0.25	0.070	0.145	100	500
MNG18-8R/LK	01069	22-18	8	0.31	0.33	0.92	0.77	0.030	0.25	0.070	0.145	—	1000
MNG18-10R/LX	21817	22-18	10	0.31	0.33	0.92	0.77	0.030	0.25	0.070	0.145	100	500
MNG18-10R/LK	01071	22-18	10	0.31	0.33	0.92	0.77	0.030	0.25	0.070	0.145	—	1000
MNG18-14R/SX	49596	22-18	1/4	0.47	0.40	1.07	0.84	0.030	0.25	0.070	0.145	100	500
MNG18-14R/SK	01072	22-18	1/4	0.47	0.40	1.07	0.84	0.030	0.25	0.070	0.145	—	1000
MNG18-516R/SX	49597	22-18	5/16	0.47	0.40	1.07	0.84	0.030	0.25	0.070	0.145	100	500
MNG18-516R/SK	01074	22-18	5/16	0.47	0.40	1.07	0.84	0.030	0.25	0.070	0.145	—	1000
MNG18-38RX	49598	22-18	3/8	0.56	0.40	1.12	0.84	0.030	0.25	0.070	0.145	100	500
MNG18-38RK	01076	22-18	3/8	0.56	0.40	1.12	0.84	0.030	0.25	0.070	0.145	—	1000

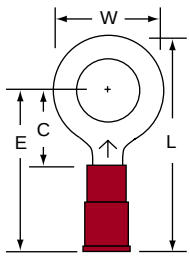


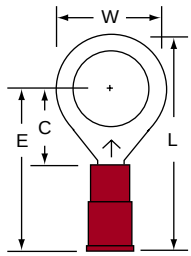










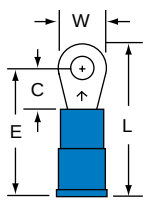


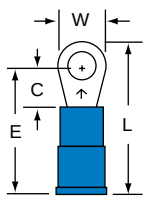
	MNG18-4R/S	MNG18-6R/S	MNG18-8R/L	MNG18-10R/L	MNG18-14R/S	MNG18-516R/S	MNG18-38R
Stud Size	4	6	8	10	1/4	5/16	3/8
Wire Range	22-18	22-18	22-18	22-18	22-18	22-18	22-18

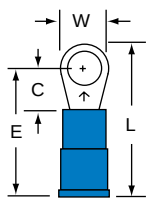
†*Product Number ending in X = box; Product Number ending with K = bulk*

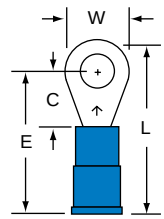
Ring Tongues – Nylon Insulated with Insulation Grip 16-14 AWG

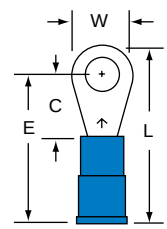
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG14-4R/SX	49616	16-14	4	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170	100	500
MNG14-4R/SK	01428	16-14	4	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170	—	1000
MNG14-6R/SX	22468	16-14	6	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170	100	500
MNG14-6R/SK	01430	16-14	6	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170	—	1000
MNG14-8R/SX	49617	16-14	8	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170	100	500
MNG14-8R/SK	01433	16-14	8	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170	—	1000
MNG14-8RX	49618	16-14	8	0.33	0.29	0.91	0.75	0.030	0.25	0.090	0.170	100	500
MNG14-8RK	01434	16-14	8	0.33	0.29	0.91	0.75	0.030	0.25	0.090	0.170	—	1000
MNG14-8R/LX	22476	16-14	8	0.31	0.33	0.94	0.79	0.030	0.25	0.090	0.170	100	500
MNG14-8R/LK	01435	16-14	8	0.31	0.33	0.94	0.79	0.030	0.25	0.090	0.170	—	1000
MNG14-10RX	49619	16-14	10	0.33	0.29	0.91	0.75	0.030	0.25	0.090	0.170	100	500
MNG14-10RK	14150	16-14	10	0.33	0.29	0.91	0.75	0.030	0.25	0.090	0.170	—	1000
MNG14-10R/LX	22484	16-14	10	0.31	0.33	0.94	0.79	0.030	0.25	0.090	0.170	100	500
MNG14-10R/LK	01437	16-14	10	0.31	0.33	0.94	0.79	0.030	0.25	0.090	0.170	—	1000
MNG14-14R/SX	22492	16-14	1/4	0.47	0.40	1.09	0.86	0.030	0.25	0.090	0.170	100	500
MNG14-14R/SK	01438	16-14	1/4	0.47	0.40	1.09	0.86	0.030	0.25	0.090	0.170	—	1000
MNG14-516R/SX	49620	16-14	5/16	0.47	0.40	1.09	0.86	0.030	0.25	0.090	0.170	100	500
MNG14-516R/SK	01440	16-14	5/16	0.47	0.40	1.09	0.86	0.030	0.25	0.090	0.170	—	1000
MNG14-38RX	49621	16-14	3/8	0.56	0.40	1.14	0.86	0.030	0.25	0.090	0.170	100	500
MNG14-38RK	01442	16-14	3/8	0.56	0.40	1.14	0.86	0.030	0.25	0.090	0.170	—	1000



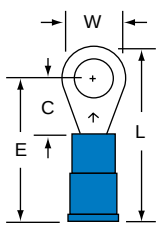


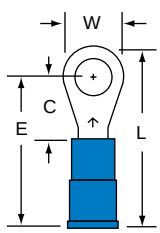


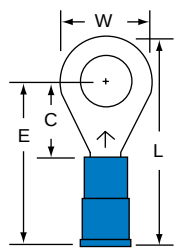


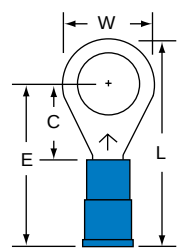


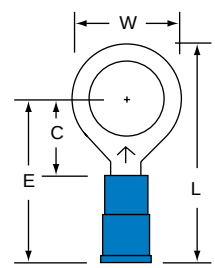
	MNG14-4R/S	MNG14-6R/S	MNG14-8R/S	MNG14-8R	MNG14-8R/L
Stud Size	4	6	8	8	8
Wire Range	16-14	16-14	16-14	16-14	16-14









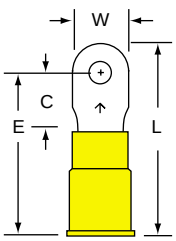


	MNG14-10R	MNG14-10R/L	MNG14-14R/S	MNG14-516R/S	MNG14-38R
Stud Size	10	10	1/4	5/16	3/8
Wire Range	16-14	16-14	16-14	16-14	16-14

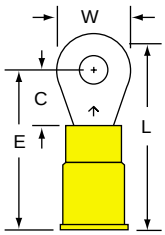
†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Nylon Insulated with Insulation Grip 12-10 AWG

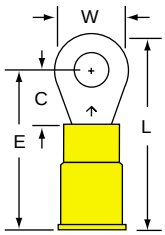
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG10-4R/SK	01932	12-10	4	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-6RX	23425	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-6RK	01934	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-8RX	23433	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-8RK	01936	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-10RX	23441	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-10RK	01937	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-14R/SX	23458	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MNG10-14R/SK	01938	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MNG10-516R/SX	49640	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MNG10-516R/SK	01940	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MNG10-38R/SX	49641	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MNG10-38R/SK	01942	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500



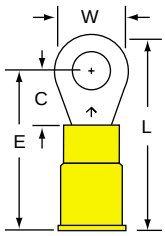
MNG10-4R/S
Stud Size 4
Wire Range 12-10



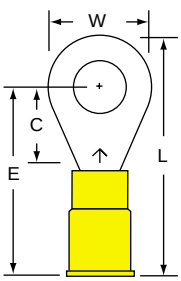
MNG10-6R
6
12-10



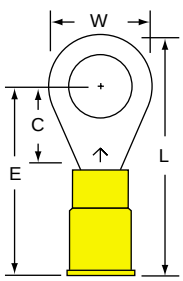
MNG10-8R
8
12-10



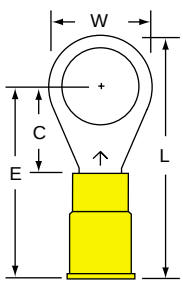
MNG10-10R
10
12-10



MNG10-14R/S
Stud Size 1/4
Wire Range 12-10



MNG10-516R/S
5/16
12-10

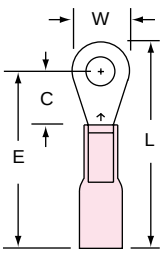


MNG10-38R/S
3/8
12-10

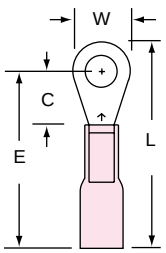
†*Product Number ending in X = box; Product Number ending with K = bulk*

Ring Tongues – Heat Shrink Brazed Seam 22-18 AWG

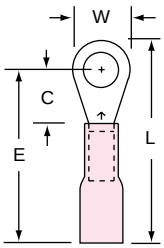
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MH18-6R/LX	06344	22-18	6	0.31	0.15	1.00	0.84	0.030	0.25	0.070	25	100
MH18-6R/LK	06345	22-18	6	0.31	0.15	1.00	0.84	0.030	0.25	0.070	—	250
MH18-8R/LX	06348	22-18	8	0.31	0.18	1.00	0.84	0.030	0.25	0.070	25	100
MH18-8R/LK	06349	22-18	8	0.31	0.18	1.00	0.84	0.030	0.25	0.070	—	250
MH18-10R/LX	06350	22-18	10	0.31	0.20	1.00	0.84	0.030	0.25	0.070	25	100
MH18-10R/LK	06351	22-18	10	0.31	0.20	1.00	0.84	0.030	0.25	0.070	—	250



MH18-6R/L



MH18-8R/L

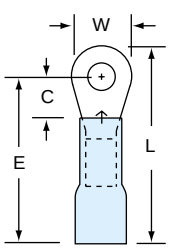


MH18-10R/L

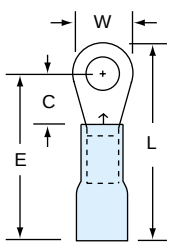
Stud Size	6	8	10
Wire Range	22-18	22-18	22-18

Ring Tongues – Heat Shrink Brazed Seam 16-14 AWG

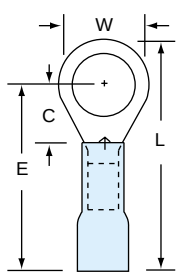
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MH14-6R/LX	06320	16-14	6	0.31	0.15	1.00	0.84	0.030	0.25	0.090	25	100
MH14-6R/LK	06321	16-14	6	0.31	0.15	1.00	0.84	0.030	0.25	0.090	—	250
MH14-8R/LX	06324	16-14	8	0.31	0.18	1.00	0.84	0.030	0.25	0.090	25	100
MH14-8R/LK	06325	16-14	8	0.31	0.18	1.00	0.84	0.030	0.25	0.090	—	250
MH14-10R/LX	06326	16-14	10	0.31	0.20	1.00	0.84	0.030	0.25	0.090	25	100
MH14-10R/LK	06327	16-14	10	0.31	0.20	1.00	0.84	0.030	0.25	0.090	—	250
MH14-14R/SX	06330	16-14	1/4	0.47	0.26	1.1	0.86	0.030	0.25	0.090	25	100
MH14-14R/SK	06331	16-14	1/4	0.47	0.26	1.1	0.86	0.030	0.25	0.090	—	250
MH14-516R/SX	06336	16-14	5/16	0.47	0.33	1.1	0.86	0.030	0.25	0.090	25	100
MH14-516R/SK	06337	16-14	5/16	0.47	0.33	1.1	0.86	0.030	0.25	0.090	—	250
MH14-38RX	06334	16-14	3/8	0.56	0.28	1.1	0.87	0.030	0.25	0.090	25	100
MH14-38RK	06335	16-14	3/8	0.56	0.28	1.1	0.87	0.030	0.25	0.090	—	250



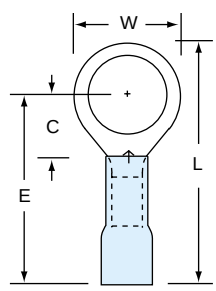
MH14-6R/L



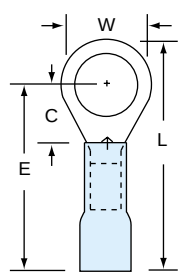
MH14-8R/L



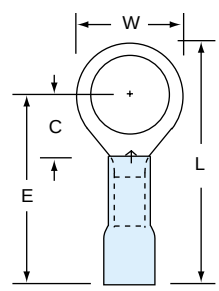
MH14-10R/L



MH14-14R/S



MH14-516R/S



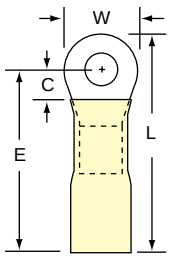
MH14-38R

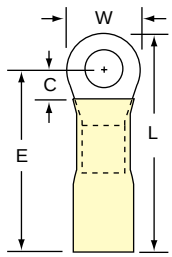
Stud Size	6	8	10	1/4	5/16	3/8
Wire Range	16-14	16-14	16-14	16-14	16-14	16-14

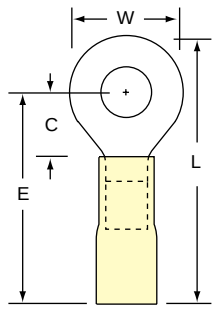
†Product Number ending in X = box; Product Number ending with K = bulk

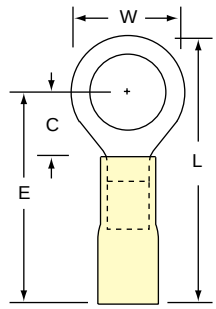
Ring Tongues – Heat Shrink Brazed Seam 12-10

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Terminals per: Case
MH10-8RX	06302	12-10	8	0.38	0.19	1.1	0.91	0.040	0.25	0.135	25	100
MH10-8RK	06303	12-10	8	0.38	0.19	1.1	0.91	0.040	0.25	0.135	—	250
MH10-10RX	06305	12-10	10	0.38	0.21	1.1	0.91	0.040	0.25	0.135	25	100
MH10-10RK	06306	12-10	10	0.38	0.21	1.1	0.91	0.040	0.25	0.135	—	250
MH10-14RX	06309	12-10	1/4	0.59	0.29	1.2	0.90	0.040	0.25	0.135	25	100
MH10-14RK	06359	12-10	1/4	0.59	0.29	1.2	0.90	0.040	0.25	0.135	—	250
MH10-38RX	06312	12-10	3/8	0.59	0.29	1.2	0.90	0.040	0.25	0.135	25	100
MH10-38RK	06313	12-10	3/8	0.59	0.29	1.2	0.90	0.040	0.25	0.135	—	250







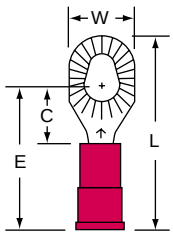


	MH10-8R	MH10-10R	MH10-14R	MH10-38R
Stud Size	8	10	1/4	3/8
Wire Range	12-10	12-10	12-10	12-10

†Product Number ending in X = box; Product Number ending with K = bulk

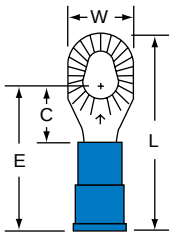
Multi-Stud Ring Tongues – Vinyl Insulated Brazed Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV18-610RX	14093	22-18	6/8/10	0.34	0.31	1.01	0.76	0.030	0.25	0.070	0.145	100	500
MV18-610RK	01342	22-18	6/8/10	0.34	0.31	1.01	0.76	0.030	0.25	0.070	0.145	—	1000
MV14-610RX	14119	16-14	6/8/10	0.34	0.31	1.01	0.76	0.030	0.25	0.090	0.170	100	500
MV14-610RK	01851	16-14	6/8/10	0.34	0.31	1.01	0.76	0.030	0.25	0.090	0.170	—	1000
MV10-610RX	14127	12-10	6/8/10	0.39	0.35	1.19	0.80	0.040	0.25	0.135	0.250	50	500
MV10-610RK	02099	12-10	6/8/10	0.39	0.35	1.19	0.80	0.040	0.25	0.135	0.250	—	500



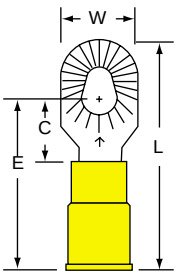
MV18-610R

Stud Size 6/8/10
Wire Range 22-18



MV14-610R

6/8/10
16-14

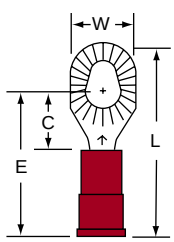


MV10-610R

6/8/10
12-10

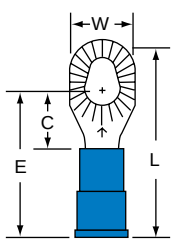
Multi-Stud Ring Tongues – Nylon Insulated with Insulation Grip

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-610RX	49611	22-18	6/8/10	0.34	0.31	1.00	0.75	0.030	0.25	0.070	0.145	100	500
MNG18-610RK	01344	22-18	6/8/10	0.34	0.31	1.00	0.75	0.030	0.25	0.070	0.145	—	1000
MNG14-610RX	49636	16-14	6/8/10	0.34	0.31	1.02	0.77	0.030	0.25	0.090	0.170	100	500
MNG14-610RK	01853	16-14	6/8/10	0.34	0.31	1.02	0.77	0.030	0.25	0.090	0.170	—	1000
MNG10-610RX	49646	12-10	6/8/10	0.39	0.35	1.19	0.80	0.040	0.25	0.135	0.250	50	100
MNG10-610RK	02100	12-10	6/8/10	0.39	0.35	1.19	0.80	0.040	0.25	0.135	0.250	—	500



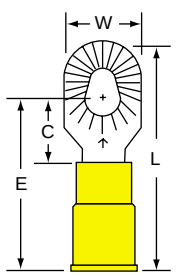
MNG18-610R

Stud Size 6/8/10
Wire Range 22-18



MNG14-610R

6/8/10
16-14



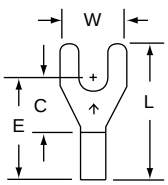
MNG10-610R

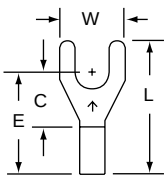
6/8/10
12-10

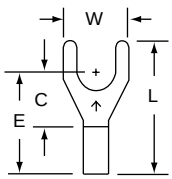
†Product Number ending in X = box; Product Number ending with K = bulk

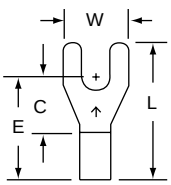
Standard Forks – Non-Insulated Brazed Seam

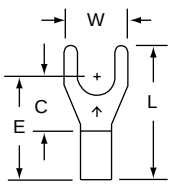
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M18-6FX	21858	22-18	6	0.34	0.29	0.70	0.54	0.030	0.25	0.070	100	500
M18-6FK	01150	22-18	6	0.34	0.29	0.70	0.54	0.030	0.25	0.070	—	1000
M18-8FX	21866	22-18	8	0.34	0.29	0.70	0.54	0.030	0.25	0.070	100	500
M18-8FK	01152	22-18	8	0.34	0.29	0.70	0.54	0.030	0.25	0.070	—	1000
M18-10FX	49599	22-18	10	0.34	0.29	0.70	0.54	0.030	0.25	0.070	100	500
M18-10FK	01154	22-18	10	0.34	0.29	0.70	0.54	0.030	0.25	0.070	—	1000
M14-6FX	49622	16-14	6	0.34	0.29	0.70	0.54	0.030	0.25	0.090	100	500
M14-6FK	01516	16-14	6	0.34	0.29	0.70	0.54	0.030	0.25	0.090	—	1000
M14-8FX	22534	16-14	8	0.34	0.29	0.70	0.54	0.030	0.25	0.090	100	500
M14-8FK	01518	16-14	8	0.34	0.29	0.70	0.54	0.030	0.25	0.090	—	1000
M14-10FX	22542	16-14	10	0.34	0.29	0.70	0.54	0.030	0.25	0.090	100	500
M14-10FK	01520	16-14	10	0.34	0.29	0.70	0.54	0.030	0.25	0.090	—	1000
M10-6FK	01972	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-8FX	23581	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-8FK	01973	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-10FX	23599	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-10FK	01974	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500

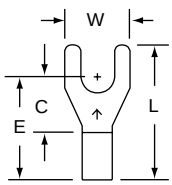




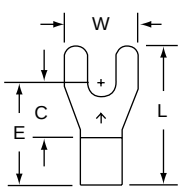


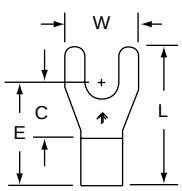


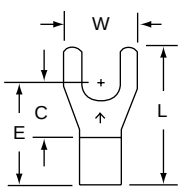




	M18-6F	M18-8F	M18-10F	M14-6F	M14-8F	M14-10F
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14





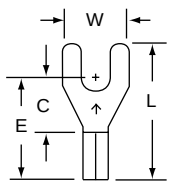


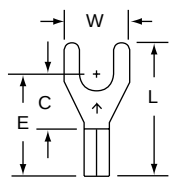
	M10-6F	M10-8F	M10-10F
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

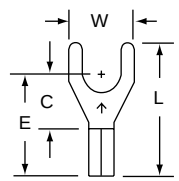
†*Product Number ending in X = box; Product Number ending with K = bulk*

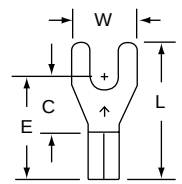
Standard Forks – Non-Insulated Butted Seam

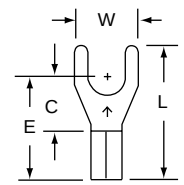
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-6FK	01144	22-18	6	0.34	0.29	0.70	0.54	0.030	0.25	0.070	1000
MU18-8FK	01146	22-18	8	0.34	0.29	0.70	0.54	0.030	0.25	0.070	1000
MU18-10FK	01148	22-18	10	0.34	0.29	0.70	0.54	0.030	0.25	0.070	1000
MU14-6FK	01510	16-14	6	0.34	0.29	0.70	0.54	0.030	0.25	0.090	1000
MU14-8FK	01512	16-14	8	0.34	0.29	0.70	0.54	0.030	0.25	0.090	1000
MU14-10FK	01514	16-14	10	0.34	0.29	0.70	0.54	0.030	0.25	0.090	1000
MU10-6FK	01969	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-8FK	01970	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-10FK	01971	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500

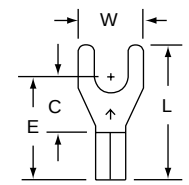




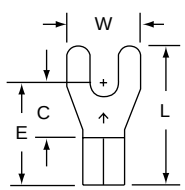


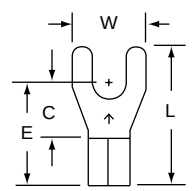


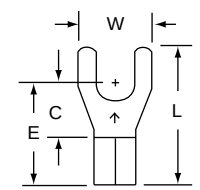




	MU18-6F	MU18-8F	MU18-10F	MU14-6F	MU14-8F	MU14-10F
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14





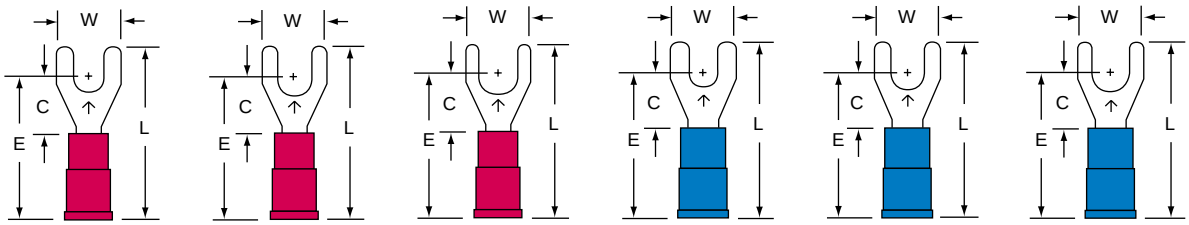


	MU10-6F	MU10-8F	MU10-10F
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

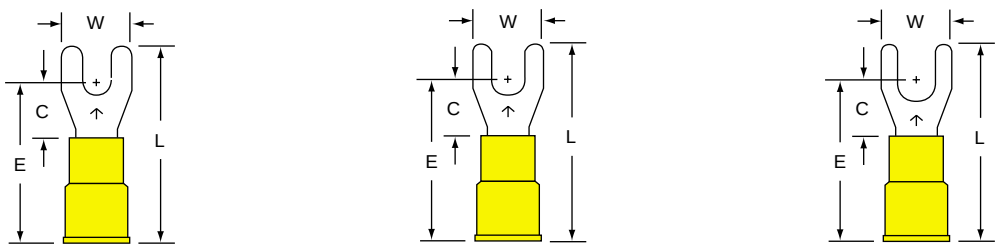
†*Product Number ending in X = box; Product Number ending with K = bulk*

Standard Forks – Vinyl Insulated Brazed Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV18-6FX	21882	22-18	6	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	100	500
MV18-6FK	01162	22-18	6	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	—	1000
MV18-8FX	21890	22-18	8	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	100	500
MV18-8FK	01164	22-18	8	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	—	1000
MV18-10FX	21908	22-18	10	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	100	500
MV18-10FK	01166	22-18	10	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	—	1000
MV14-6FX	22559	16-14	6	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	100	500
MV14-6FK	01528	16-14	6	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	—	1000
MV14-8FX	22567	16-14	8	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	100	500
MV14-8FK	01530	16-14	8	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	—	1000
MV14-10FX	22575	16-14	10	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	100	500
MV14-10FK	01532	16-14	10	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	—	1000
MV10-6FX	23607	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-6FK	01978	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-8FX	23615	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-8FK	01979	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-10FX	23623	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-10FK	01980	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500



	MV18-6F	MV18-8F	MV18-10F	MV14-6F	MV14-8F	MV14-10F
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14

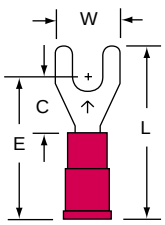


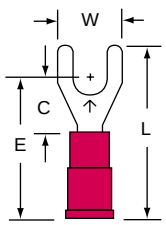
	MV10-6F	MV10-8F	MV10-10F
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

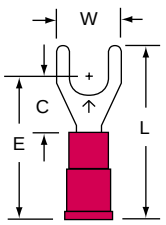
†*Product Number ending in X = box; Product Number ending with K = bulk*

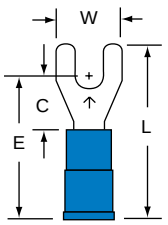
Standard Forks – Vinyl Insulated Butted Seam

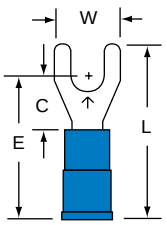
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU18-6FK	01174	22-18	6	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	1000
MVU18-8FK	01176	22-18	8	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	1000
MVU18-10FK	01178	22-18	10	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145	1000
MVU14-6FK	01540	16-14	6	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	1000
MVU14-8FK	01542	16-14	8	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	1000
MVU14-10FK	01544	16-14	10	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170	1000
MVU10-6FK	01984	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-8FK	01985	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-10FK	01986	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500

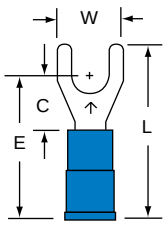




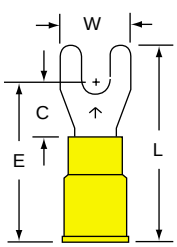


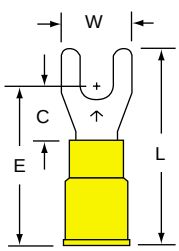


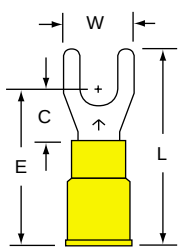




	MVU18-6F	MVU18-8F	MVU18-10F	MVU14-6F	MVU14-8F	MVU14-10F
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14







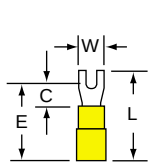
	MVU10-6F	MVU10-8F	MVU10-10F
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

†*Product Number ending in X = box; Product Number ending with K = bulk*

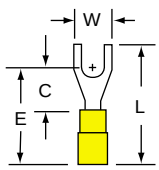
Standard Forks – Nylon Insulated with Insulation Grip

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG24-0FK*	14960	26-24	0	0.13	0.12	0.46	0.40	0.020	0.13	0.030	0.093	—	1000
MNG24-4FX*	11329	26-24	4	0.20	0.21	0.61	0.49	0.020	0.14	0.030	0.093	100	500
MNG24-4FK*	00982	26-24	4	0.20	0.21	0.61	0.49	0.020	0.14	0.030	0.093	—	1000
MNG24-6FX*	11330	26-24	6	0.25	0.28	0.69	0.56	0.020	0.13	0.030	0.093	100	500
MNG24-6FK*	00983	26-24	6	0.25	0.28	0.69	0.56	0.020	0.13	0.030	0.093	—	1000
MNG18-6FX	21916	22-18	6	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145	100	500
MNG18-6FK	01168	22-18	6	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145	—	1000
MNG18-8FX	21924	22-18	8	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145	100	500
MNG18-8FK	01170	22-18	8	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145	—	1000
MNG18-10FK	01172	22-18	10	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145	—	1000
MNG14-6FX	22583	16-14	6	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170	100	500
MNG14-6FK	01534	16-14	6	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170	—	1000
MNG14-8FX	22591	16-14	8	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170	100	500
MNG14-8FK	01536	16-14	8	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170	—	1000
MNG14-10FX	22609	16-14	10	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170	100	500
MNG14-10FK	01538	16-14	10	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170	—	1000
MNG10-6FK	01981	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-8FX	23649	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-8FK	01982	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-10FX	23656	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-10FK	01983	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500

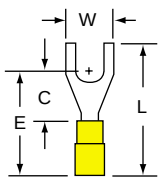
* Not UL Listed or CSA Certified



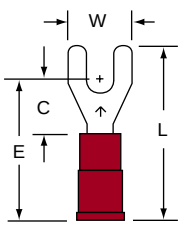
MNG24-0F
Stud Size 0
Wire Range 26-24



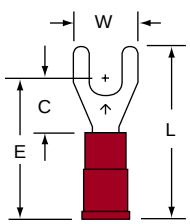
MNG24-4F
Stud Size 4
Wire Range 26-24



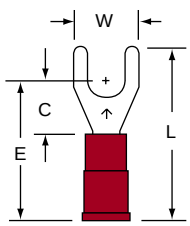
MNG24-6F
Stud Size 6
Wire Range 26-24



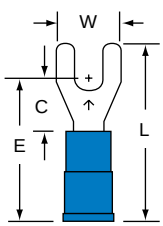
MNG18-6F
Stud Size 6
Wire Range 22-18



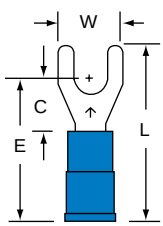
MNG18-8F
Stud Size 8
Wire Range 22-18



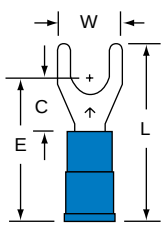
MNG18-10F
Stud Size 10
Wire Range 22-18



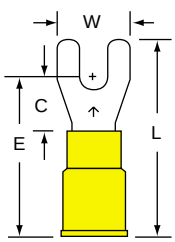
MNG14-6F
Stud Size 6
Wire Range 16-14



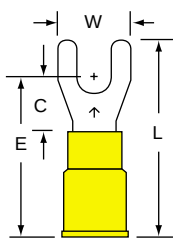
MNG14-8F
Stud Size 8
Wire Range 16-14



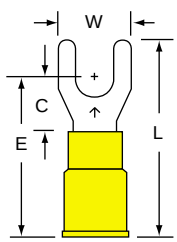
MNG14-10F
Stud Size 10
Wire Range 16-14



MNG10-6F
Stud Size 6
Wire Range 12-10



MNG10-8F
Stud Size 8
Wire Range 12-10

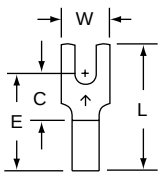


MNG10-10F
Stud Size 10
Wire Range 12-10

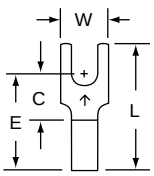
†Product Number ending in X = box; Product Number ending with K = bulk

Block Forks – Non-Insulated Brazed Seam 22-18 AWG

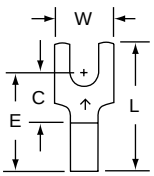
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M18-4FB/SK	02248	22-18	4	0.25	0.25	0.65	0.50	0.030	0.25	0.070	—	1000
M18-6FB/SX	49600	22-18	6	0.25	0.25	0.65	0.50	0.030	0.25	0.070	100	500
M18-6FB/SK	01202	22-18	6	0.25	0.25	0.65	0.50	0.030	0.25	0.070	—	1000
M18-6FBX	21940	22-18	6	0.30	0.25	0.65	0.50	0.030	0.25	0.070	100	500
M18-6FBK	01203	22-18	6	0.30	0.25	0.65	0.50	0.030	0.25	0.070	—	1000
M18-8FBX	21957	22-18	8	0.30	0.25	0.65	0.50	0.030	0.25	0.070	100	500
M18-8FBK	01204	22-18	8	0.30	0.25	0.65	0.50	0.030	0.25	0.070	—	1000
M18-10FBX	49601	22-18	10	0.30	0.25	0.65	0.50	0.030	0.25	0.070	100	500
M18-10FBK	01205	22-18	10	0.30	0.25	0.65	0.50	0.030	0.25	0.070	—	1000



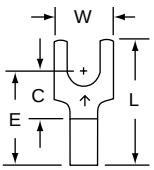
M18-4FB/S
Stud Size 4
Wire Range 22-18



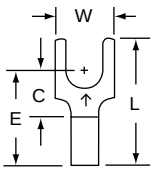
M18-6FB/S
6
22-18



M18-6FB
6
22-18



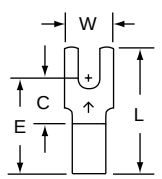
M18-8FB
8
22-18



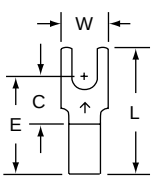
M18-10FB
10
22-18

Block Forks – Non-Insulated Brazed Seam 16-14 AWG

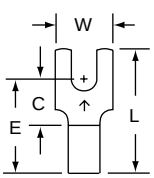
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M14-4FB/SK	02265	16-14	4	0.25	0.25	0.65	0.50	0.030	0.25	0.090	—	1000
M14-6FB/SX	49623	16-14	6	0.25	0.25	0.65	0.50	0.030	0.25	0.090	100	500
M14-6FB/SK	01568	16-14	6	0.25	0.25	0.65	0.50	0.030	0.25	0.090	—	1000
M14-6FBX	22617	16-14	6	0.30	0.25	0.65	0.50	0.030	0.25	0.090	100	500
M14-6FBK	01569	16-14	6	0.30	0.25	0.65	0.50	0.030	0.25	0.090	—	1000
M14-8FBX	22625	16-14	8	0.30	0.25	0.65	0.50	0.030	0.25	0.090	100	500
M14-8FBK	01570	16-14	8	0.30	0.25	0.65	0.50	0.030	0.25	0.090	—	1000
M14-10FBX	22633	16-14	10	0.30	0.25	0.65	0.50	0.030	0.25	0.090	100	500
M14-10FBK	01571	16-14	10	0.30	0.25	0.65	0.50	0.030	0.25	0.090	—	1000



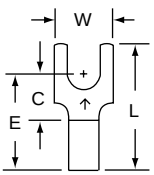
M14-4FB/S
Stud Size 4
Wire Range 16-14



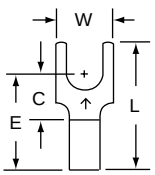
M14-6FB/S
6
16-14



M14-6FB
6
16-14



M14-8FB
8
16-14

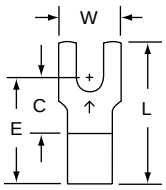


M14-10FB
10
16-14

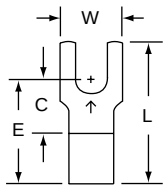
†*Product Number ending in X = box; Product Number ending with K = bulk*

Block Forks – Non-Insulated Brazed Seam 12-10 AWG

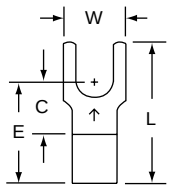
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M10-6FBK	02008	12-10	6	0.32	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-8FBX	23672	12-10	8	0.32	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-8FBK	02009	12-10	8	0.32	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-10FBX	23680	12-10	10	0.32	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-10FBK	02010	12-10	10	0.32	0.29	0.73	0.54	0.040	0.25	0.135	—	500



M10-6FB
Stud Size 6
Wire Range 12-10



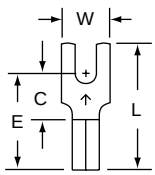
M10-8FB
8
12-10



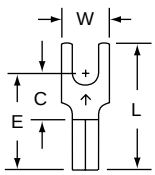
M10-10FB
10
12-10

Block Forks – Non-Insulated Butted Seam 22-18 AWG

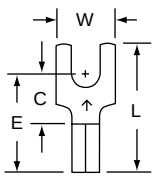
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-4FB/SK	02263	22-18	4	0.25	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU18-6FB/SK	01198	22-18	6	0.25	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU18-6FBK	01199	22-18	6	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU18-8FBK	01200	22-18	8	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU18-10FBK	01201	22-18	10	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000



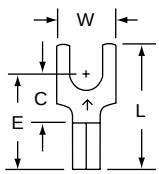
MU18-4FB/S
Stud Size 4
Wire Range 22-18



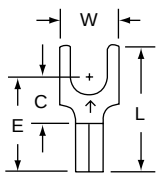
MU18-6FB/S
6
22-18



MU18-6FB
6
22-18



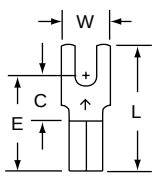
MU18-8FB
8
22-18



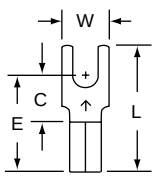
MU18-10FB
10
22-18

Block Forks – Non-Insulated Butted Seam 16-14 AWG

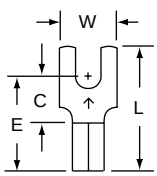
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU14-4FB/SK	02264	16-14	4	0.25	0.25	0.65	0.50	0.030	0.25	0.090	1000
MU14-6FB/SK	01564	16-14	6	0.25	0.25	0.65	0.50	0.030	0.25	0.090	1000
MU14-6FBK	01565	16-14	6	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
MU14-8FBK	01566	16-14	8	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
MU14-10FBK	01567	16-14	10	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000



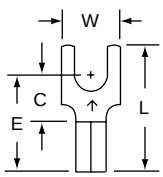
MU14-4FB/S
Stud Size 4
Wire Range 16-14



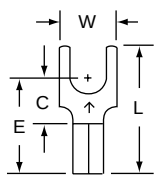
MU14-6FB/S
6
16-14



MU14-6FB
6
16-14



MU14-8FB
8
16-14

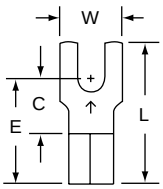


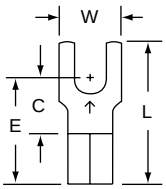
MU14-10FB
10
16-14

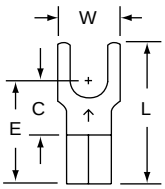
†Product Number ending in X = box; Product Number ending with K = bulk

Block Forks – Non-Insulated Butted Seam 12-10 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU10-6FBK	02005	12-10	6	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-8FBK	02006	12-10	8	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-10FBK	02007	12-10	10	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500



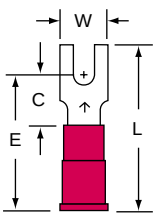


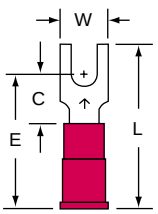


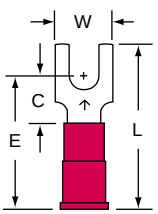
	MU10-6FB	**MU10-8FB**	**MU10-10FB**
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

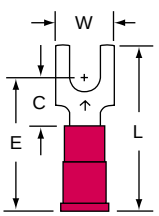
Block Forks – Vinyl Insulated Brazed Seam 22-18 AWG

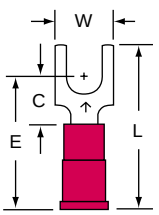
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV18-4FB/SK	02279	22-18	4	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145	—	1000
MV18-6FB/SX	49602	22-18	6	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145	100	500
MV18-6FB/SK	01210	22-18	6	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145	—	1000
MV18-6FBX	21973	22-18	6	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	100	500
MV18-6FBK	01211	22-18	6	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	—	1000
MV18-8FBX	21999	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	100	500
MV18-8FBK	01212	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	—	1000
MV18-10FBX	22005	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	100	500
MV18-10FBK	01213	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	—	1000









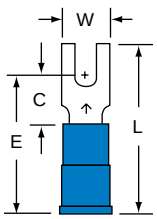


	MV18-4FB/S	**MV18-6FB/S**	**MV18-6FB**	**MV18-8FB**	**MV18-10FB**
Stud Size	4	6	6	8	10
Wire Range	22-18	22-18	22-18	22-18	22-18

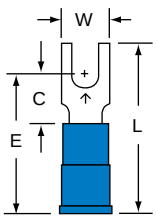
†*Product Number ending in X = box; Product Number ending with K = bulk*

Block Forks – Vinyl Insulated Brazed Seam 16-14 AWG

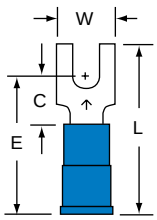
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV14-4FB/SK	02280	16-14	4	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-6FB/SX	49624	16-14	6	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170	100	500
MV14-6FB/SK	01576	16-14	6	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-6FBX	22641	16-14	6	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	100	500
MV14-6FBK	01577	16-14	6	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-8FBX	22658	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	100	500
MV14-8FBK	01578	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-10FBX	22666	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	100	500
MV14-10FBK	01579	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	—	1000



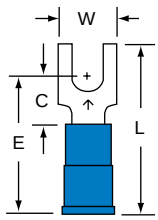
MV14-4FB/S
Stud Size 4
Wire Range 16-14



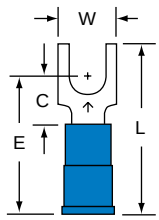
MV14-6FB/S
6
16-14



MV14-6FB
6
16-14



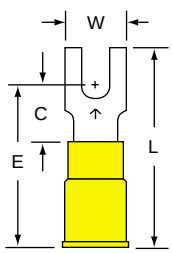
MV14-8FB
8
16-14



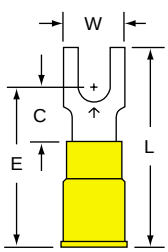
MV14-10FB
10
16-14

Block Forks – Vinyl Insulated Brazed Seam 12-10 AWG

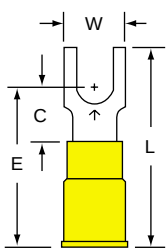
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV10-6FBX	23698	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-6FBK	02014	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-8FBX	23706	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-8FBK	02015	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-10FBX	23714	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-10FBK	02016	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500



MV10-6FB
Stud Size 6
Wire Range 12-10



MV10-8FB
8
12-10

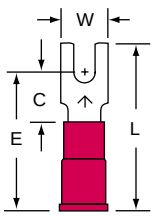


MV10-10FB
10
12-10

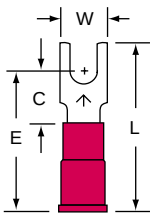
†Product Number ending in X = box; Product Number ending with K = bulk

Block Forks – Vinyl Insulated Butted Seam 22-18 AWG

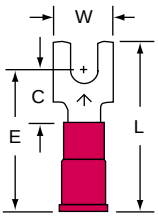
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU18-4FB/SK	02253	22-18	4	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MVU18-6FB/SK	01218	22-18	6	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MVU18-6FBK	01219	22-18	6	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MVU18-8FBK	01220	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MVU18-10FBK	01221	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000



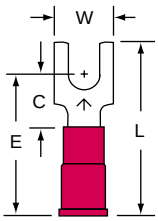
MVU18-4FB/S
Stud Size 4
Wire Range 22-18



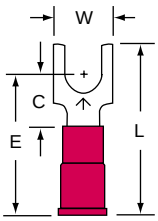
MVU18-6FB/S
6
22-18



MVU18-6FB
6
22-18



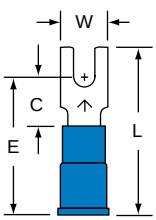
MVU18-8FB
8
22-18



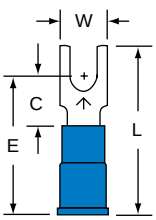
MVU18-10FB
10
22-18

Block Forks – Vinyl Insulated Butted Seam 16-14 AWG

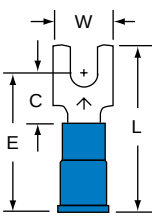
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU14-4FB/SK	02258	16-14	4	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MVU14-6FB/SK	01584	16-14	6	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MVU14-6FBK	01585	16-14	6	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MVU14-8FBK	01586	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MVU14-10FBK	01587	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000



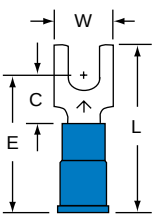
MVU14-4FB/S
Stud Size 4
Wire Range 16-14



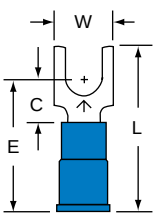
MVU14-6FB/S
6
16-14



MVU14-6FB
6
16-14



MVU14-8FB
8
16-14

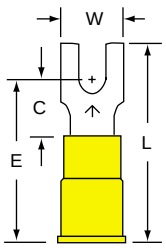


MVU14-10FB
10
16-14

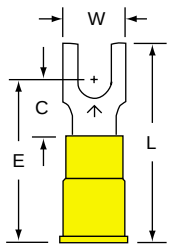
†*Product Number ending in X = box; Product Number ending with K = bulk*

Block Forks – Vinyl Insulated Butted Seam 12-10 AWG

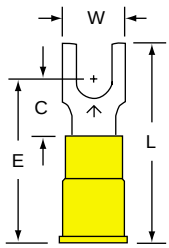
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU10-6FBK	02020	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-8FBK	02021	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-10FBK	02022	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500



MVU10-6FB
Stud Size 6
Wire Range 12-10



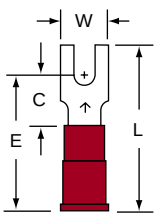
MVU10-8FB
8
12-10



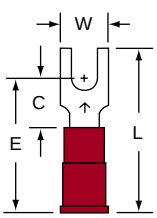
MVU10-10FB
10
12-10

Block Forks – Nylon Insulated with Insulation Grip 22-18 AWG

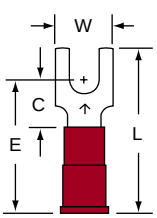
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-4FB/SK	02261	22-18	4	0.25	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-6FB/SX	49603	22-18	6	0.25	0.25	0.84	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-6FB/SK	01214	22-18	6	0.25	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-6FBX	22013	22-18	6	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-6FBK	01215	22-18	6	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-8FBX	22021	22-18	8	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-8FBK	01216	22-18	8	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-10FBX	22039	22-18	10	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-10FBK	01217	22-18	10	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000



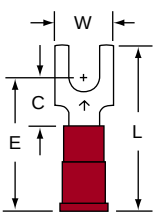
MNG18-4FB/S
Stud Size 4
Wire Range 22-18



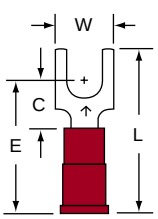
MNG18-6FB/S
6
22-18



MNG18-6FB
6
22-18



MNG18-8FB
8
22-18

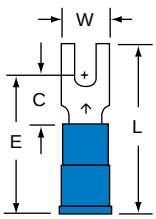


MNG18-10FB
10
22-18

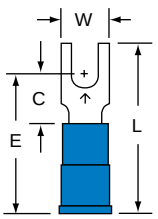
†Product Number ending in X = box; Product Number ending with K = bulk

Block Forks – Nylon Insulated with Insulation Grip 16-14 AWG

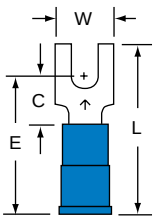
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG14-4FB/SK	02262	16-14	4	0.25	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-6FB/SX	49625	16-14	6	0.25	0.25	0.86	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-6FB/SK	01580	16-14	6	0.25	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-6FBX	22674	16-14	6	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-6FBK	01581	16-14	6	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-8FBX	22682	16-14	8	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-8FBK	01582	16-14	8	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-10FBX	22690	16-14	10	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-10FBK	01583	16-14	10	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000



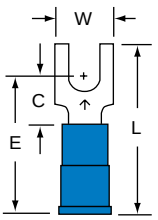
MNG14-4FB/S
Stud Size 4
Wire Range 16-14



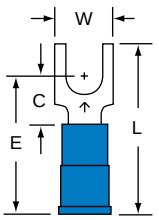
MNG14-6FB/S
6
16-14



MNG14-6FB
6
16-14



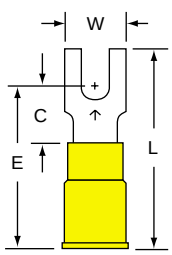
MNG14-8FB
8
16-14



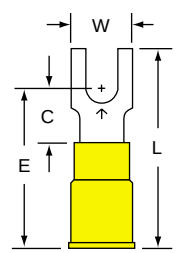
MNG14-10FB
10
16-14

Block Forks – Nylon Insulated with Insulation Grip 12-10 AWG

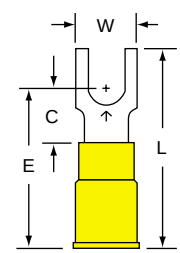
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG10-6FBX	23722	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-6FBK	02017	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-8FBX	23730	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-8FBK	02018	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-10FBX	23748	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-10FBK	02019	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500



MNG10-6FB
Stud Size 6
Wire Range 12-10



MNG10-8FB
8
12-10

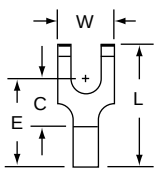


MNG10-10FB
10
12-10

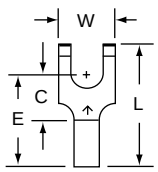
†Product Number ending in X = box; Product Number ending with K = bulk

Flanged Block Forks – Non-Insulated Brazed Seam

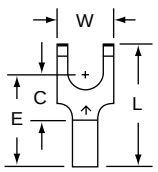
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
M18-6FFBK	01251	22-18	6	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
M18-8FFBK	01252	22-18	8	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
M18-10FFBK	01253	22-18	10	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
M14-6FFBK	01617	16-14	6	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
M14-8FFBK	01618	16-14	8	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
M14-10FFBK	01619	16-14	10	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
M10-6FFBK	02026	12-10	6	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500
M10-8FFBK	02027	12-10	8	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500
M10-10FFBK	02028	12-10	10	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500



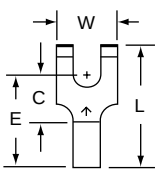
M18-6FFB
Stud Size 6
Wire Range 22-18



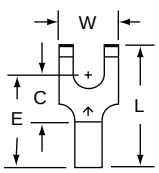
M18-8FFB
8
22-18



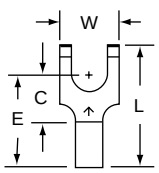
M18-10FFB
10
22-18



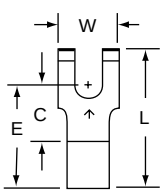
M14-6FFB
Stud Size 6
Wire Range 16-14



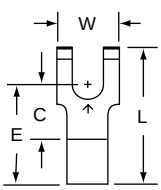
M14-8FFB
8
16-14



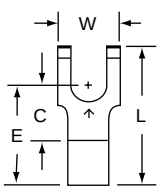
M14-10FFB
10
16-14



M10-6FFB
Stud Size 6
Wire Range 12-10



M10-8FFB
8
12-10

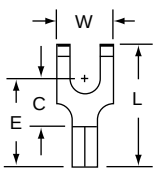


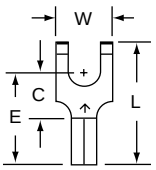
M10-10FFB
10
12-10

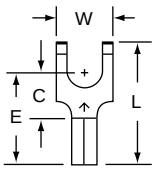
†Product Number ending in X = box; Product Number ending with K = bulk

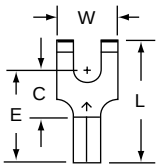
Flanged Block Forks – Non-Insulated Butted Seam

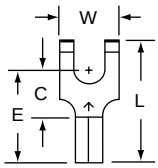
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-6FFBK	01247	22-18	6	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU18-8FFBK	01248	22-18	8	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU18-10FFBK	01249	22-18	10	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU14-6FFBK	01613	16-14	6	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
MU14-8FFBK	01614	16-14	8	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
MU14-10FFBK	01615	16-14	10	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000
MU10-6FFBK	02023	12-10	6	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-8FFBK	02024	12-10	8	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-10FFBK	02925	12-10	10	0.32	0.29	0.73	0.54	0.040	0.25	0.135	500

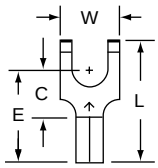




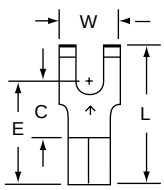


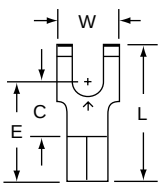


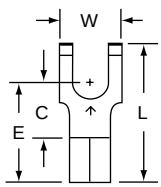




	MU18-6FFB	MU18-8FFB	MU18-10FFB	MU14-6FFB	MU14-8FFB	MU14-10FFB
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14





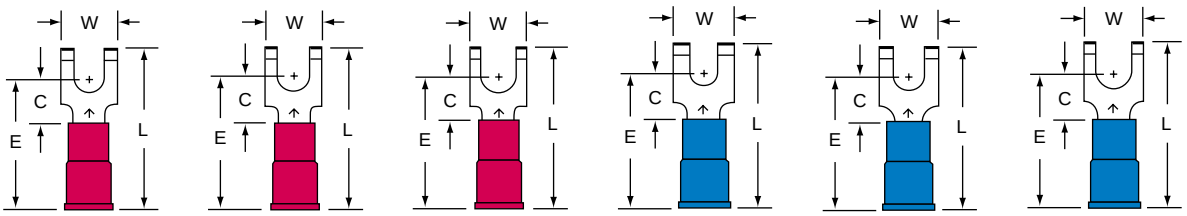


	MU10-6FFB	MU10-8FFB	MU10-10FFB
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

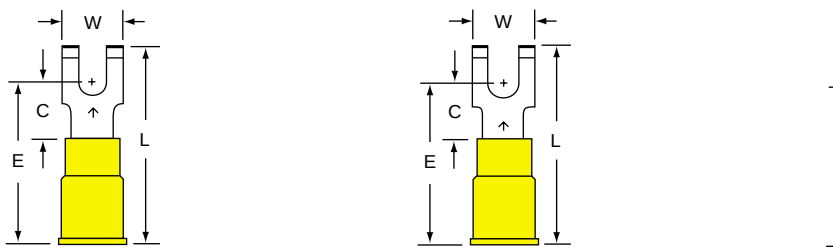
†*Product Number ending in X = box; Product Number ending with K = bulk*

Flanged Block Forks – Vinyl Insulated Brazed Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MV18-6FFBK	01259	22-18	6	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MV18-8FFBK	01260	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MV18-10FFBK	01261	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MV14-6FFBK	01625	16-14	6	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MV14-8FFBK	01626	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MV14-10FFBK	01627	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MV10-6FFBK	02032	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MV10-8FFBK	02033	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MV10-10FFBK	02034	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500



	MV18-6FFB	MV18-8FFB	MV18-10FFB	MV14-6FFB	MV14-8FFB	MV14-10FFB
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14

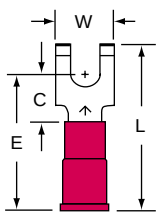


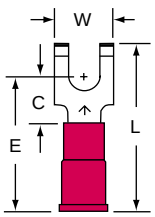
	MV10-6FFB	MV10-8FFB	MV10-10FFB
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

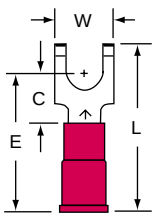
†*Product Number ending in X = box; Product Number ending with K = bulk*

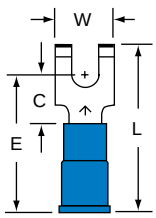
Flanged Block Forks – Vinyl Insulated Butted Seam

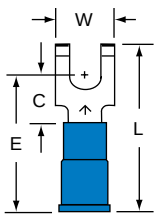
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU18-6FFBK	01267	22-18	6	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MVU18-8FFBK	01268	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MVU18-10FFBK	01269	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145	1000
MVU14-6FFBK	01633	16-14	6	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MVU14-8FFBK	01634	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MVU14-10FFBK	01635	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170	1000
MVU10-6FFBK	02038	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-8FFBK	02039	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-10FFBK	02040	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500

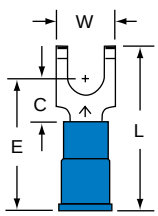




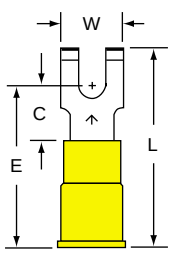


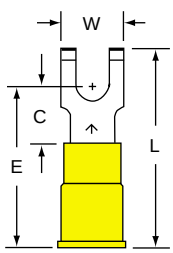


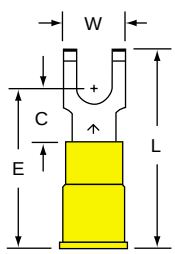




	MVU18-6FFB	MVU18-8FFB	MVU18-10FFB	MVU14-6FFB	MVU14-8FFB	MVU14-10FFB
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14





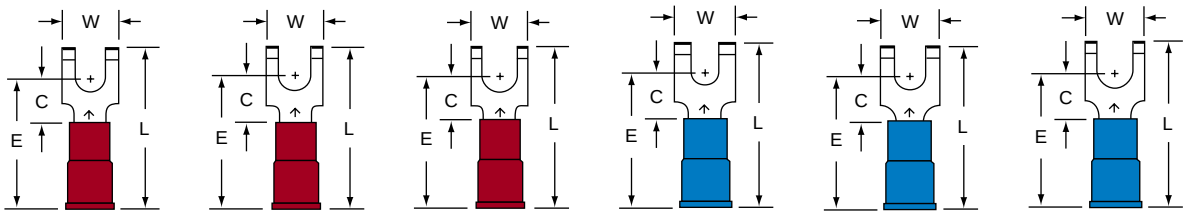


	MVU10-6FFB	MVU10-8FFB	MVU10-10FFB
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

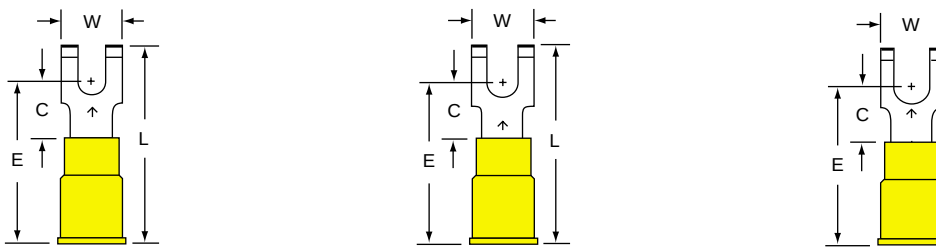
†*Product Number ending in X = box; Product Number ending with K = bulk*

Flanged Block Forks – Nylon Insulated with Insulation Grip

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-6FFB/SX	49604	22-18	6	0.25	0.25	0.84	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-6FFBK	01263	22-18	6	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-8FFBX	49605	22-18	8	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-8FFBK	01264	22-18	8	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-10FFBX	49606	22-18	10	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-10FFBK	01265	22-18	10	0.30	0.25	0.84	0.69	0.030	0.25	0.070	0.145	—	1000
MNG14-6FFB/SX	49626	16 14	6	0.25	0.25	0.86	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-6FFBK	01629	16-14	6	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-8FFBX	49627	16-14	8	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-8FFBK	01630	16-14	8	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-10FFBX	49628	16-14	10	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-10FFBK	01631	16-14	10	0.30	0.25	0.86	0.71	0.030	0.25	0.090	0.170	—	1000
MNG10-6FFBX	49642	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-6FFBK	02035	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-8FFBX	49643	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-8FFBK	02036	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MNG10-10FFBX	49644	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MNG10-10FFBK	02037	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500



	MNG18-6FFB	MNG18-8FFB	MNG18-10FFB	MNG14-6FFB	MNG14-8FFB	MNG14-10FFB
Stud Size	6	8	10	6	8	10
Wire Range	22-18	22-18	22-18	16-14	16-14	16-14

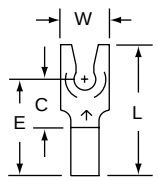


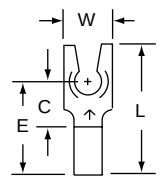
	MNG10-6FFB	MNG10-8FFB	MNG10-10FFB
Stud Size	6	8	10
Wire Range	12-10	12-10	12-10

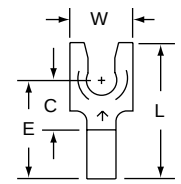
†Product Number ending in X = box; Product Number ending with K = bulk

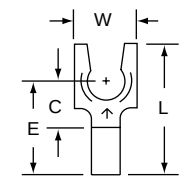
Locking Forks – Non-Insulated Brazed Seam 22-18 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max. Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M18-4FLK	13725	22-18	4	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.070	—	1000
M18-6FLX	13732	22-18	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.070	100	500
M18-6FLK	13733	22-18	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.070	—	1000
M18-8FLX	13750	22-18	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.070	100	500
M18-8FLK	13751	22-18	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.070	—	1000
M18-10FLX	13757	22-18	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.070	100	500
M18-10FLK	13758	22-18	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.070	—	1000





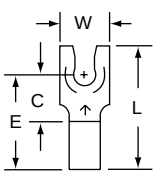


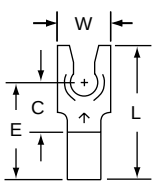


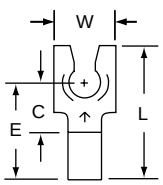
	M18-4FL	M18-6FL	M18-8FL	M18-10FL
Stud Size	4	6	8	10
Wire Range	22-18	22-18	22-18	22-18

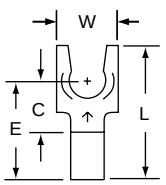
Locking Forks – Non-Insulated Brazed Seam 16-14 AWG

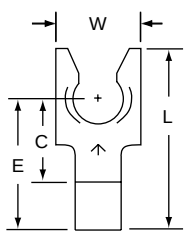
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max. Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M14-4FLK	13765	16-14	4	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.090	—	1000
M14-6FLX	13773	16-14	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.090	100	500
M14-6FLK	13775	16-14	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.090	—	1000
M14-8FLX	13781	16-14	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.090	100	500
M14-8FLK	13782	16-14	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.090	—	1000
M14-10FLX	13799	16-14	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.090	100	500
M14-10FLK	13800	16-14	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.090	—	1000
M14-14FLX	13807	16-14	1/4	0.48	0.43	0.40	0.90	0.65	0.030	0.25	0.090	100	500
M14-14FLK	13808	16-14	1/4	0.48	0.43	0.40	0.90	0.65	0.030	0.25	0.090	—	1000









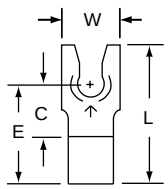


	M14-4FL	M14-6FL	M14-8FL	M14-10FL	M14-14FL
Stud Size	4	6	8	10	1/4
Wire Range	16-14	16-14	16-14	16-14	16-14

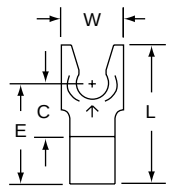
†Product Number ending in X = box; Product Number ending with K = bulk

Locking Forks – Non-Insulated Brazed Seam 12-10 AWG

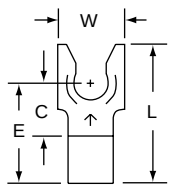
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max. Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M10-6FLX	13815	12-10	6	0.30	0.28	0.28	0.73	0.53	0.040	0.25	0.135	50	500
M10-6FLK	13817	12-10	6	0.30	0.28	0.28	0.73	0.53	0.040	0.25	0.135	—	500
M10-8FLX	13823	12-10	8	0.35	0.32	0.28	0.73	0.53	0.040	0.25	0.135	50	500
M10-8FLK	13824	12-10	8	0.35	0.32	0.28	0.73	0.53	0.040	0.25	0.135	—	500
M10-10FLX	13831	12-10	10	0.36	0.32	0.28	0.73	0.53	0.040	0.25	0.135	50	500
M10-10FLK	13832	12-10	10	0.36	0.32	0.28	0.73	0.53	0.040	0.25	0.135	—	500
M10-14FLX	13849	12-10	1/4	0.48	0.43	0.44	0.94	0.69	0.040	0.25	0.135	50	500
M10-14FLK	13850	12-10	1/4	0.48	0.43	0.44	0.94	0.69	0.040	0.25	0.135	—	500



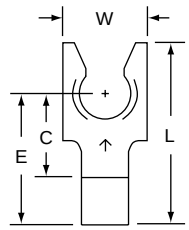
M10-6FL
Stud Size 6
Wire Range 12-10



M10-8FL
8
12-10



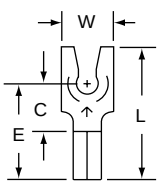
M10-10FL
10
12-10



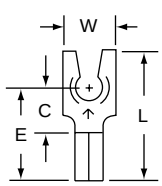
M10-14FL
1/4
12-10

Locking Forks – Non-Insulated Butted Seam 22-18 AWG

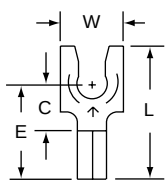
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max. Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-4FLK	01347	22-18	4	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.070	1000
MU18-6FLK	01348	22-18	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.070	1000
MU18-8FLK	01349	22-18	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.070	1000
MU18-10FLK	01350	22-18	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.070	1000



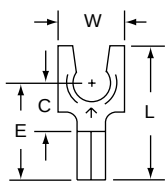
MU18-4FL
Stud Size 4
Wire Range 22-18



MU18-6FL
6
22-18



MU18-8FL
8
22-18

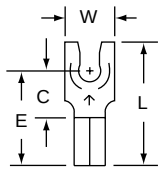


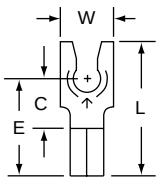
MU18-10FL
10
22-18

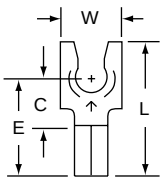
†Product Number ending in X = box; Product Number ending with K = bulk

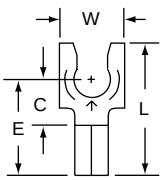
Locking Forks – Non-Insulated Butted Seam 16-14 AWG

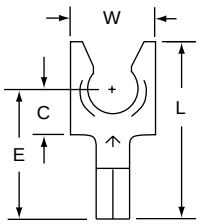
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max. Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU14-4FLK	01856	16-14	4	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.090	1000
MU14-6FLK	01857	16-14	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.090	1000
MU14-8FLK	01858	16-14	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.090	1000
MU14-10FLK	01859	16-14	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.090	1000
MU14-14FLK	01860	16-14	1/4	0.48	0.43	0.40	0.90	0.65	0.030	0.25	0.090	1000







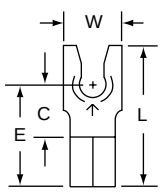


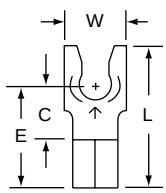


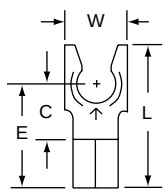
	MU14-4FL	MU14-6FL	MU14-8FL	MU14-10FL	MU14-14FL
Stud Size	4	6	8	10	1/4
Wire Range	16-14	16-14	16-14	16-14	16-14

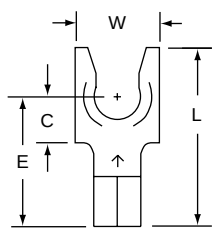
Locking Forks – Non-Insulated Butted Seam 12-10 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max. Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU10-6FLK	02102	12-10	6	0.30	0.28	0.28	0.73	0.53	0.040	0.25	0.135	500
MU10-8FLK	02103	12-10	8	0.35	0.32	0.28	0.73	0.53	0.040	0.25	0.135	500
MU10-10FLK	02104	12-10	10	0.36	0.32	0.28	0.73	0.53	0.040	0.25	0.135	500
MU10-14FLK	02105	12-10	1/4	0.48	0.43	0.44	0.94	0.69	0.040	0.25	0.135	500







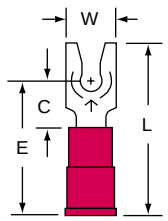


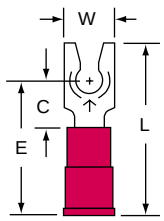
	MU10-6FL	MU10-8FL	MU10-10FL	MU10-14FL
Stud Size	6	8	10	1/4
Wire Range	12-10	12-10	12-10	12-10

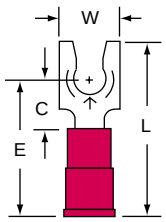
†Product Number ending in X = box; Product Number ending with K = bulk

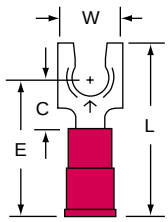
Locking Forks – Vinyl Insulated Brazed Seam 22-18 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Terminals per: Case
MV18-4FLX	13856	22-18	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145	100	500
MV18-4FLK	13857	22-18	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145	—	1000
MV18-6FLX	13864	22-18	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145	100	500
MV18-6FLK	13865	22-18	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145	—	1000
MV18-8FLX	13872	22-18	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.070	0.145	100	500
MV18-8FLK	13873	22-18	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.070	0.145	—	1000
MV18-10FLX	13890	22-18	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.070	0.145	100	500
MV18-10FLK	13891	22-18	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.070	0.145	—	1000





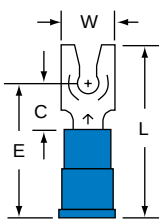


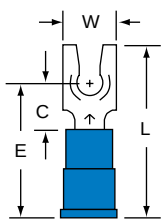


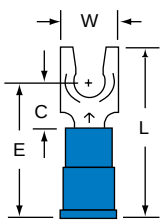
	MV18-4FL	MV18-6FL	MV18-8FL	MV18-10FL
Stud Size	4	6	8	10
Wire Range	22-18	22-18	22-18	22-18

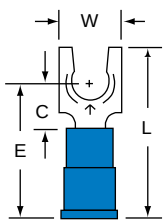
Locking Forks – Vinyl Insulated Brazed Seam 16-14 AWG

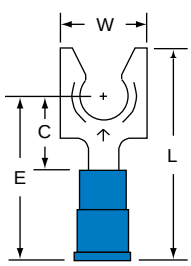
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Terminals per: Case
MV14-4FLX	13898	16-14	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170	100	500
MV14-4FLK	13899	16-14	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-6FLX	13906	16-14	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170	100	500
MV14-6FLK	13907	16-14	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-8FLX	13914	16-14	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.090	0.170	100	500
MV14-8FLK	13915	16-14	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-10FLX	13922	16-14	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.090	0.170	100	500
MV14-10FLK	13923	16-14	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.090	0.170	—	1000
MV14-14FLX	13940	16-14	1/4	0.48	0.43	0.40	1.10	0.85	0.030	0.25	0.090	0.170	100	500
MV14-14FLK	13941	16-14	1/4	0.48	0.43	0.40	1.10	0.85	0.030	0.25	0.090	0.170	—	1000









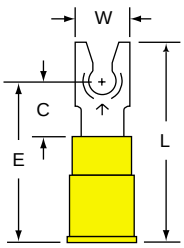


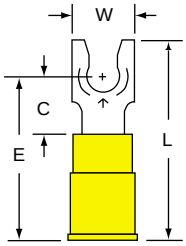
	MV14-4FL	MV14-6FL	MV14-8FL	MV14-10FL	MV14-14FL
Stud Size	4	6	8	10	1/4
Wire Range	16-14	16-14	16-14	16-14	16-14

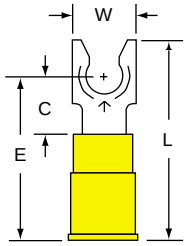
†*Product Number ending in X = box; Product Number ending with K = bulk*

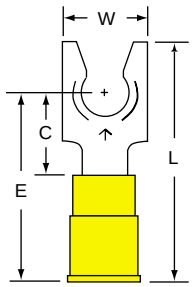
Locking Forks – Vinyl Insulated Brazed Seam 12-10 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Terminals per: Case
MV10-6FLX	13948	12-10	6	0.30	0.28	0.28	1.03	0.83	0.040	0.25	0.135	0.250	50	500
MV10-6FLK	13949	12-10	6	0.30	0.28	0.28	1.03	0.83	0.040	0.25	0.135	0.250	—	500
MV10-8FLX	13955	12-10	8	0.35	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	50	500
MV10-8FLK	13956	12-10	8	0.35	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	—	500
MV10-10FLX	13963	12-10	10	0.36	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	50	500
MV10-10FLK	13964	12-10	10	0.36	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	—	500
MV10-14FLX	13971	12-10	1/4	0.48	0.43	0.44	1.24	0.99	0.040	0.25	0.135	0.250	50	500
MV10-14FLK	13972	12-10	1/4	0.48	0.43	0.44	1.24	0.99	0.040	0.25	0.135	0.250	—	500





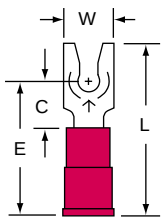


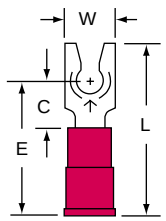


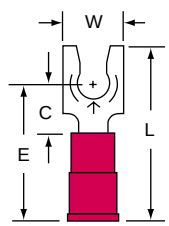
	MV10-6FL	MV10-8FL	MV10-10FL	MV10-14FL
Stud Size	6	8	10	1/4
Wire Range	12-10	12-10	12-10	12-10

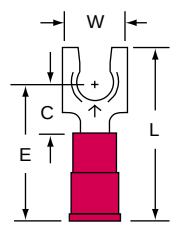
Locking Forks – Vinyl Insulated Butted Seam 22-18 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU18-4FLK	01359	22-18	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145	1000
MVU18-6FLK	01360	22-18	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145	1000
MVU18-8FLK	01361	22-18	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.070	0.145	1000
MVU18-10FLK	01362	22-18	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.070	0.145	1000







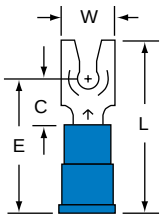


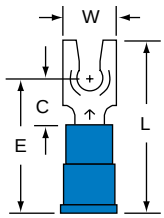
	MVU18-4FL	MVU18-6FL	MVU18-8FL	MVU18-10FL
Stud Size	4	6	8	10
Wire Range	22-18	22-18	22-18	22-18

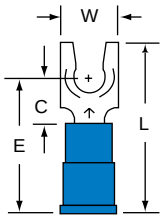
†Product Number ending in X = box; Product Number ending with K = bulk

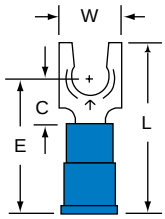
Locking Forks – Vinyl Insulated Butted Seam 16-14 AWG

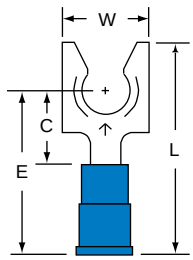
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU14-4FLK	01871	16-14	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170	1000
MVU14-6FLK	01872	16-14	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170	1000
MVU14-8FLK	01873	16-14	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.090	0.170	1000
MVU14-10FLK	01874	16-14	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.090	0.170	1000
MVU14-14FLK	01875	16-14	1/4	0.48	0.43	0.40	1.10	0.85	0.030	0.25	0.090	0.170	1000







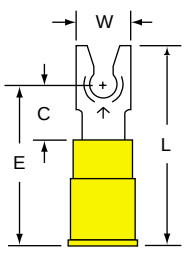


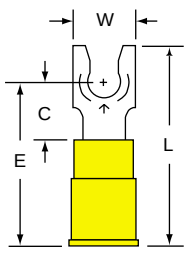


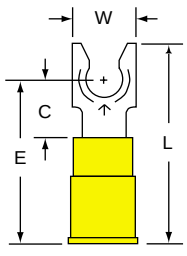
	MVU14-4FL	MVU14-6FL	MVU14-8FL	MVU14-10FL	MVU14-14FL
Stud Size	4	6	8	10	1/4
Wire Range	16-14	16-14	16-14	16-14	16-14

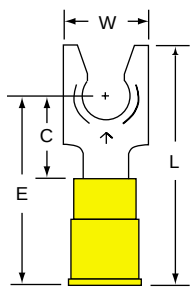
Locking Forks – Vinyl Insulated Butted Seam 12-10 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU10-6FLK	02114	12-10	6	0.30	0.28	0.28	1.03	0.83	0.040	0.25	0.135	0.250	500
MVU10-8FLK	02115	12-10	8	0.35	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	500
MVU10-10FLK	02116	12-10	10	0.36	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	500
MVU10-14FLK	02117	12-10	1/4	0.48	0.43	0.44	1.24	0.99	0.040	0.25	0.135	0.250	500







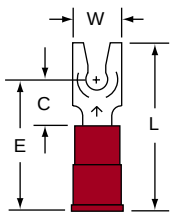


	MVU10-6FL	MVU10-8FL	MVU10-10FL	MVU10-14FL
Stud Size	6	8	10	1/4
Wire Range	12-10	12-10	12-10	12-10

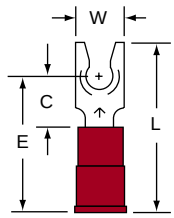
†Product Number ending in X = box; Product Number ending with K = bulk

Locking Forks – Nylon Insulated with Insulation Grip 22-18 AWG

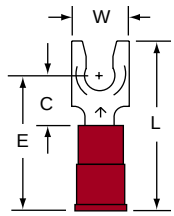
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-4FLX	11706	22-18	4	0.27	0.25	0.25	0.87	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-4FLK	01355	22-18	4	0.27	0.25	0.25	0.87	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-6FLX	11707	22-18	6	0.27	0.25	0.25	0.87	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-6FLK	01356	22-18	6	0.27	0.25	0.25	0.87	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-8FLX	11708	22-18	8	0.34	0.30	0.25	0.87	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-8FLK	01357	22-18	8	0.34	0.30	0.25	0.87	0.69	0.030	0.25	0.070	0.145	—	1000
MNG18-10FLX	11709	22-18	10	0.35	0.32	0.25	0.87	0.69	0.030	0.25	0.070	0.145	100	500
MNG18-10FLK	01358	22-18	10	0.35	0.32	0.25	0.87	0.69	0.030	0.25	0.070	0.145	—	1000



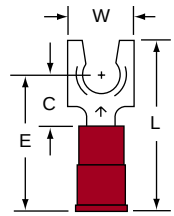
MNG18-4FL
Stud Size 4
Wire Range 22-18



MNG18-6FL
6
22-18



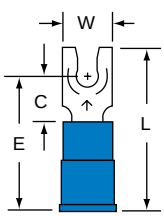
MNG18-8FL
8
22-18



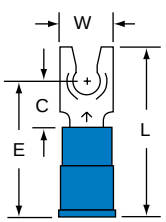
MNG18-10FL
10
22-18

Locking Forks – Nylon Insulated with Insulation Grip 16-14 AWG

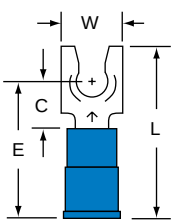
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG14-4FLX	11717	16-14	4	0.27	0.25	0.25	0.89	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-4FLK	01866	16-14	4	0.27	0.25	0.25	0.89	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-6FLX	11718	16-14	6	0.27	0.24	0.25	0.89	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-6FLK	01867	16-14	6	0.27	0.24	0.25	0.89	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-8FLX	11719	16-14	8	0.34	0.30	0.25	0.89	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-8FLK	01868	16-14	8	0.34	0.30	0.25	0.89	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-10FLX	11720	16-14	10	0.35	0.32	0.25	0.89	0.71	0.030	0.25	0.090	0.170	100	500
MNG14-10FLK	01869	16-14	10	0.35	0.32	0.25	0.89	0.71	0.030	0.25	0.090	0.170	—	1000
MNG14-14FLX	11721	16-14	1/4	0.48	0.43	0.40	1.11	0.86	0.030	0.25	0.090	0.170	100	500
MNG14-14FLK	01870	16-14	1/4	0.48	0.43	0.40	1.11	0.86	0.030	0.25	0.090	0.170	—	1000



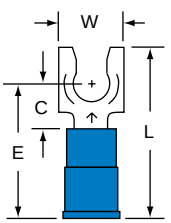
MNG14-4FL
Stud Size 4
Wire Range 16-14



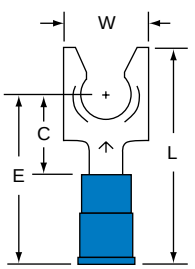
MNG14-6FL
6
16-14



MNG14-8FL
8
16-14



MNG14-10FL
10
16-14

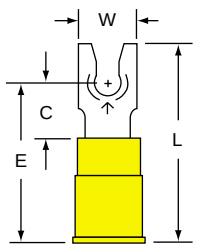


MNG14-14FL
1/4
16-14

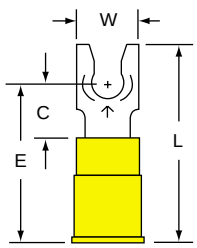
†*Product Number ending in X = box; Product Number ending with K = bulk*

Locking Forks – Nylon Insulated with Insulation Grip 12-10 AWG

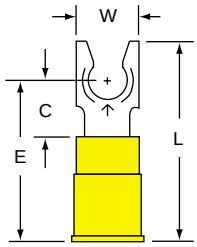
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG10-6FLX	11725	12-10	6	0.30	0.28	0.28	1.03	0.83	0.040	0.25	0.135	0.250	50	500
MNG10-6FLK	02106	12-10	6	0.30	0.28	0.28	1.03	0.83	0.040	0.25	0.135	0.250	—	500
MNG10-8FLX	11726	12-10	8	0.35	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	50	500
MNG10-8FLK	02107	12-10	8	0.35	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	—	500
MNG10-10FLX	11727	12-10	10	0.36	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	50	500
MNG10-10FLK	02108	12-10	10	0.36	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250	—	500
MNG10-14FLX	11728	12-10	1/4	0.48	0.43	0.44	1.24	0.99	0.040	0.25	0.135	0.250	50	500
MNG10-14FLK	02109	12-10	1/4	0.48	0.43	0.44	1.24	0.99	0.040	0.25	0.135	0.250	—	500



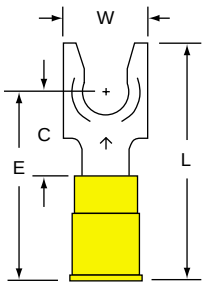
MNG10-6FL
Stud Size 6
Wire Range 12-10



MNG10-8FL
8
12-10



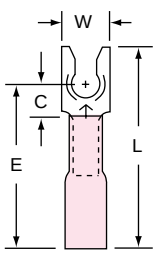
MNG10-10FL
10
12-10



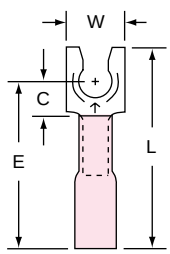
MNG10-14FL
1/4
12-10

Locking Forks – Heat Shrink Brazed Seam 22-18 AWG

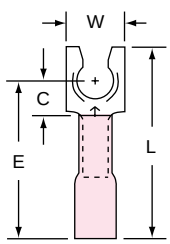
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MH18-6FLX	06346	22-18	6	0.25	0.15	1.00	0.76	0.030	0.25	0.070	25	100
MH18-6FLK	06347	22-18	6	0.25	0.15	1.00	0.76	0.030	0.25	0.070	—	250
MH18-8FLX	06363	22-18	8	0.30	0.15	1.00	0.70	0.030	0.25	0.090	25	100
MH18-8FLK	06362	22-18	8	0.30	0.15	1.00	0.70	0.030	0.25	0.090	—	250
MH18-10FLX	06352	22-18	10	0.32	0.15	1.00	0.76	0.030	0.25	0.070	25	100
MH18-10FLK	06353	22-18	10	0.32	0.15	1.00	0.76	0.030	0.25	0.070	—	250



MH18-6FL
Stud Size 6
Wire Range 22-18



MH18-8FL
8
22-18

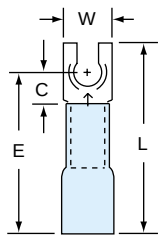


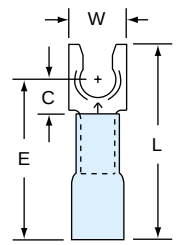
MH18-10FL
10
22-18

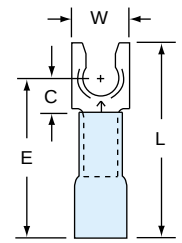
†*Product Number ending in X = box; Product Number ending with K = bulk*

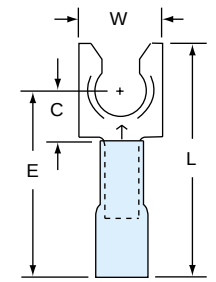
Locking Forks – Heat Shrink Brazed Seam 16-14 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Terminals per: Case
MH14-6FLX	06322	16-14	6	0.25	0.12	1.00	0.76	0.030	0.25	0.090	25	100
MH14-6FLK	06323	16-14	6	0.25	0.12	1.00	0.76	0.030	0.25	0.090	—	250
MH14-8FLX	06361	16-14	8	0.30	0.12	1.00	0.70	0.030	0.25	0.090	25	100
MH14-8FLK	06360	16-14	8	0.30	0.12	1.00	0.70	0.030	0.25	0.090	—	250
MH14-10FLX	06328	16-14	10	0.32	0.12	1.00	0.76	0.030	0.25	0.090	25	100
MH14-10FLK	06329	16-14	10	0.32	0.12	1.00	0.76	0.030	0.25	0.090	—	250
MH14-14FLX	06332	16-14	1/4	0.43	0.27	1.1	0.85	0.030	0.25	0.090	25	100
MH14-14FLK	06333	16-14	1/4	0.43	0.27	1.1	0.85	0.030	0.25	0.090	—	250





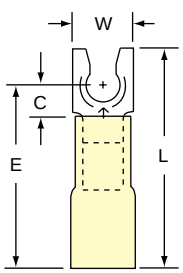


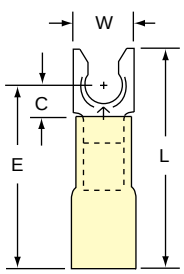


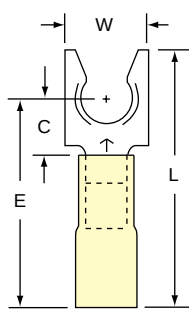
	MH14-6FL	MH14-8FL	MH14-10FL	MH14-14FL
Stud Size	6	8	10	1/4
Wire Range	16-14	16-14	16-14	16-14

Locking Forks – Heat Shrink Brazed Seam 12-10 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Terminals per: Case
MH10-8FLX	06304	12-10	8	0.32	0.16	1.00	0.80	0.040	0.25	0.135	25	100
MH10-8FLK	06358	12-10	8	0.32	0.16	1.00	0.80	0.040	0.25	0.135	—	250
MH10-10FLX	06307	12-10	10	0.32	0.16	1.00	0.80	0.040	0.25	0.135	25	100
MH10-10FLK	06308	12-10	10	0.32	0.16	1.00	0.80	0.040	0.25	0.135	—	250
MH10-14FLX	06310	12-10	1/4	0.43	0.30	1.2	0.95	0.040	0.25	0.135	25	100
MH10-14FLK	06311	12-10	1/4	0.43	0.30	1.2	0.95	0.040	0.25	0.135	—	250





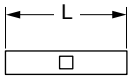


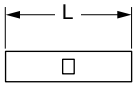
	MH10-8FL	MH10-10FL	MH10-14FL
Stud Size	8	10	1/4
Wire Range	12-10	12-10	12-10

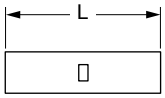
†*Product Number ending in X = box; Product Number ending with K = bulk*

Butt Connectors – Non-Insulated Seamless

Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M18BCX	22187	22-18	0.63	0.031	0.28	0.062	100	500
M18BCK	01311	22-18	0.63	0.031	0.28	0.062	—	1000
M14BCX	23102	16-14	0.66	0.031	0.30	0.095	100	500
M14BCK	01816	16-14	0.66	0.031	0.30	0.095	—	1000
M10BCX	24019	12-10	0.81	0.038	0.38	0.142	50	500
M10BCK	02077	12-10	0.81	0.038	0.38	0.142	—	500



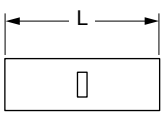


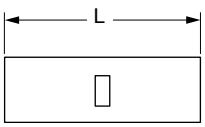


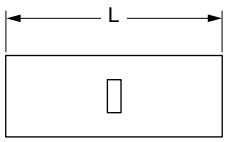
	M18BC	M14BC	M10BC
Wire Range	22-18	16-14	12-10

Butt Connectors – Non-Insulated Brazed Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M8BCX	24167	8	0.81	0.050	0.38	0.175	25	250
M8BCK	02143	8	0.81	0.050	0.38	0.175	—	200
M6BCX	24225	6	1.02	0.050	0.47	0.250	20	200
M6BCK	02172	6	1.02	0.050	0.47	0.250	—	200
M4BCX	24282	4	1.13	0.075	0.53	0.280	15	150
M4BCK	02197	4	1.13	0.075	0.53	0.280	—	200





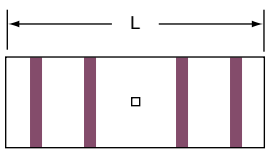


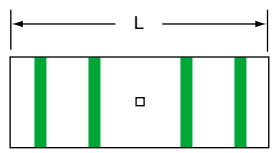
	M8BC	M6BC	M4BC
Wire Range	8	6	4

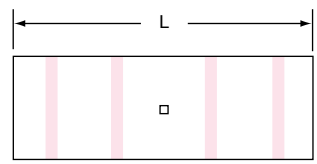
†*Product Number ending in X = box; Product Number ending with K = bulk*

Large Gauge Butt Connectors – Non-Insulated Copper Seamless

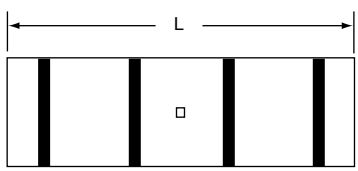
Product Number†	UPC (054007-)	Color Code	Wire Range	L	Barrel I.D.	Inner Unit Pack	Case Qty.
MC2BCX	09205	Brown	2 AWG	1.35" (34,3 mm)	0.341" (8,6 mm)	10/ box	100
MC1BCX	09206	Green	1 AWG	1.35" (34,3 mm)	0.365" (9,3 mm)	10/ box	100
MC1/0BCX	09207	Pink	1/0 AWG	1.55" (39,4 mm)	0.412" (10,5 mm)	10/ box	100
MC2/0BCX	09208	Black	2/0 AWG	1.80" (45,7 mm)	0.466" (11,8 mm)	10/ box	100
MC3/0BCX	09209	Orange	3/0 AWG	1.90" (48,3 mm)	0.516" (13,1 mm)	3/ box	30
MC4/0BCX	09210	Purple	4/0 AWG	2.00" (50,8 mm)	0.564" (14,3 mm)	3/ box	30
MC250BCX	09211	Yellow	250 kcmil	2.00" (50,8 mm)	0.595" (15,1 mm)	3/ box	30

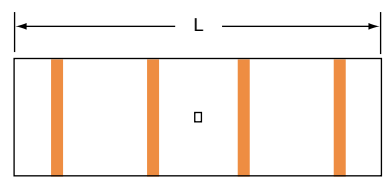




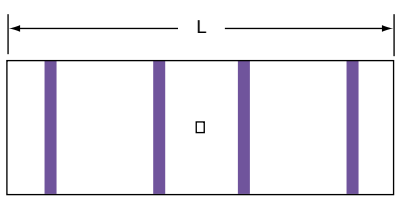


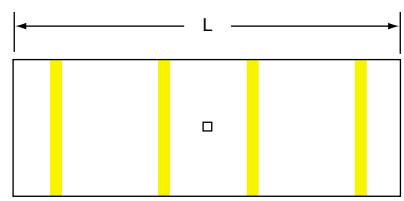
	MC2BCX	MC1BCX	MC1/0BCX
Wire Range	2	1	1/0





	MC2/0BCX	MC3/0BCX
Wire Range	2/0	3/0



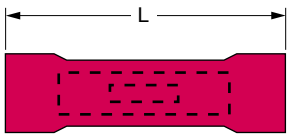


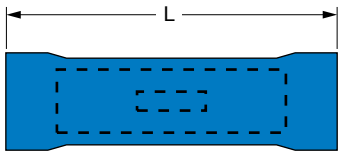
	MC4/0BCX	MC250BCX
Wire Range	4/0	250

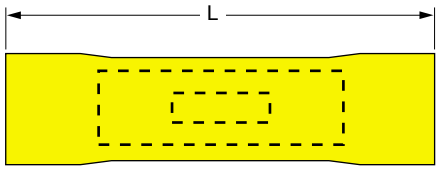
†*Product Number ending in X = box; Product Number ending with K = bulk*

Butt Connectors – Vinyl Insulated Brazed Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MV8BCX	15678	8	1.40	0.050	0.38	0.175	0.385	25	250
MV8BCK	02144	8	1.40	0.050	0.38	0.175	0.385	—	200
MV6BCX	49647	6	1.69	0.050	0.47	0.250	0.440	20	200
MV6BCK	02173	6	1.69	0.050	0.47	0.250	0.440	—	200
MV4BCK	02198	4	2.12	0.075	0.53	0.280	0.515	—	200



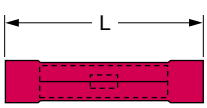


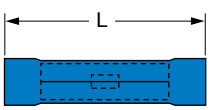


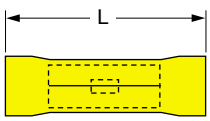
	MV8BC	MV6BC	MV4BC
Wire Range	8	6	4

Butt Connectors – Vinyl Insulated Butted Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18BCK	01315	22-18	1.00	0.030	0.25	0.070	0.145	—	1000
MVU14BCK	01820	16-14	1.00	0.030	0.25	0.090	0.170	—	1000
MVU10BCK	02081	12-10	1.02	0.040	0.25	0.135	0.250	—	500



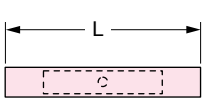


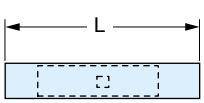


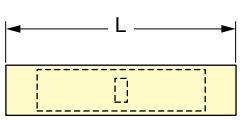
	MVU18BC	MVU14BC	MVU10BC
Wire Range	22-18	16-14	12-10

Butt Connectors – Nylon Insulated Seamless

Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MN18BCX	22211	22-18	1.02	0.031	0.28	0.062	0.125	100	500
MN18BCK	15983	22-18	1.02	0.031	0.28	0.062	0.125	—	1000
MN14BCX	23136	16-14	1.02	0.031	0.30	0.095	0.155	100	500
MN14BCK	01819	16-14	1.02	0.031	0.30	0.095	0.155	—	1000
MN10BCX	24043	12-10	1.20	0.038	0.38	0.142	0.218	50	500
MN10BCK	02080	12-10	1.20	0.038	0.38	0.142	0.218	—	500







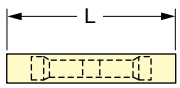
	MN18BC	MN14BC	MN10BC
Wire Range	22-18	16-14	12-10

†Product Number ending in X = box; Product Number ending with K = bulk

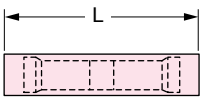
Butt Connectors – Nylon Insulated with Insulation Grip

Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG24BCX*	11356	26-24	0.88	0.020	0.12	0.030	0.093	100	500
MNG24BCK*	00995	26-24	0.88	0.020	0.12	0.030	0.093	—	1000
MNG18BCX	22203	22-18	1.00	0.030	0.25	0.070	0.145	100	500
MNG18BCK	01313	22-18	1.00	0.030	0.25	0.070	0.145	—	1000
MNG14BCX	23128	16-14	1.00	0.030	0.25	0.090	0.170	100	500
MNG14BCK	01818	16-14	1.00	0.030	0.25	0.090	0.170	—	1000
MNG10BCX	24035	12-10	1.15	0.040	0.25	0.135	0.250	50	500
MNG10BCK	15967	12-10	1.15	0.040	0.25	0.135	0.250	—	500

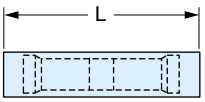
*Not UL Listed or CSA Certified



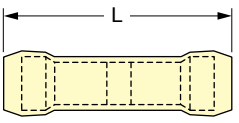
MNG24BC
Wire Range 26-24



MNG18BC
22-18



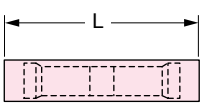
MNG14BC
16-14



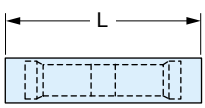
MNG10BC
12-10

Butt Connectors – Nylon Insulated with Insulation Grip Moisture Resistant

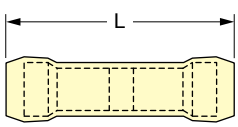
Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18BCMX	11949	22-18	1.00	0.030	0.25	0.070	0.145	25	250
MNG18BCMK	08404	22-18	1.00	0.030	0.25	0.070	0.145	—	1000
MNG14BCMX	11950	16-14	1.00	0.030	0.25	0.090	0.170	25	250
MNG14BCMK	08405	16-14	1.00	0.030	0.25	0.090	0.170	—	1000
MNG10BCMX	11951	12-10	1.15	0.040	0.25	0.135	0.250	25	250
MNG10BCMK	08406	12-10	1.15	0.040	0.25	0.135	0.250	—	500



MNG18BC



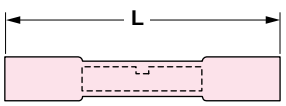
MNG14BC



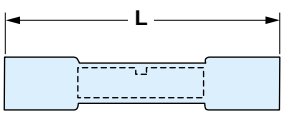
MNG10BC

Butt Connectors – Heat Shrink Seamless

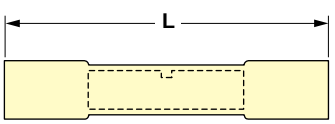
Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MH18BCX	06342	22-18	1.2	0.031	0.28	0.062	25	100
MH18BCK	06343	22-18	1.2	0.031	0.28	0.062	—	250
MH14BCX	06318	16-14	1.3	0.031	0.30	0.095	25	100
MH14BCK	06319	16-14	1.3	0.031	0.30	0.095	—	250
MH10BCX	06300	12-10	1.5	0.031	0.38	0.142	25	100
MH10BCK	06301	12-10	1.5	0.031	0.38	0.142	—	250



MH18BC
Wire Range 22-18



MH14BC
16-14



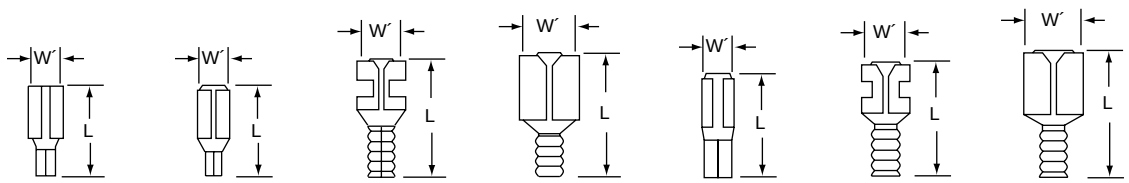
MH10BC
12-10

†*Product Number ending in X = box; Product Number ending with K = bulk*

Female Disconnects – Non-Insulated Butted Seam

Product Number†	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU20-110DFK*	00984	26-20	0.110 x 0.020	0.48	0.13	0.055	—	1000
MU20-110/32DFK*	00985	26-20	0.110 x 0.032	0.48	0.13	0.055	—	1000
MU18-187DFK	02366	22-18	0.187 x 0.020	0.58	0.25	0.085	—	1000
MU18-250DFX	16725	22-18	0.250 x 0.032	0.66	0.25	0.080	100	500
MU18-250DFK	01300	22-18	0.250 x 0.032	0.66	0.25	0.080	—	1000
MU14-110DFX*	22815	16-14	0.110 x 0.020	0.54	0.19	0.115	100	500
MU14-110DFK*	13995	16-14	0.110 x 0.020	0.54	0.19	0.115	—	1000
MU14-187DFX	22831	16-14	0.187 x 0.020	0.58	0.25	0.085	100	500
MU14-187DFK	01767	16-14	0.187 x 0.020	0.58	0.25	0.085	—	1000
MU14-250DFX	22849	16-14	0.250 x 0.032	0.66	0.25	0.080	100	500
MU14-250DFK	01768	16-14	0.250 x 0.032	0.66	0.25	0.080	—	1000

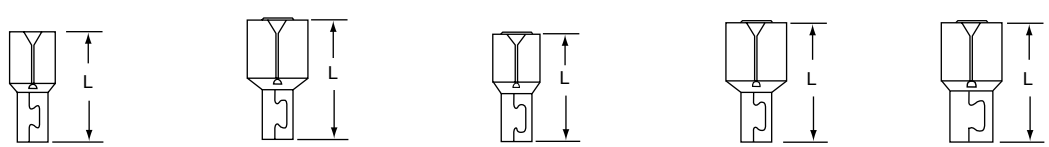
* Not UL Listed or CSA Certified
** For #10-12 AWG, see MI10-250DF.



	MU20-110DF	MU20-110/32DF	MU18-187DF	MU18-250DF	MU14-110DF	MU14-187DF	MU14-250DF
Wire Range	26-20	26-20	22-18	22-18	16-14	16-14	16-14
Suggested Mate	0.110 Male Tab	0.110 Male Tab	MU18-187DM	MU18-250DM	0.110 Male Tab	MU14-187DM	MU14-250DM

Female Disconnects – Non-Insulated Interlock Barrel

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MI18-187DFX	09978	22-18	0.187 x 0.020	0.57	0.25	0.080	100	500
MI18-187DFK	69560	22-18	0.187 x 0.020	0.57	0.25	0.080	—	1000
MI18-250DFX	09979	22-18	0.250 x 0.032	0.63	0.25	0.076	100	500
MI18-250DFK	69561	22-18	0.250 x 0.032	0.63	0.25	0.076	—	1000
MI14-187DFX	09976	16-14	0.187 x 0.020	0.57	0.25	0.080	100	500
MI14-187DFK	69558	16-14	0.187 x 0.020	0.57	0.25	0.080	—	1000
MI14-250DFX	09977	16-14	0.250 x 0.032	0.63	0.25	0.076	100	500
MI14-250DFK	69559	16-14	0.250 x 0.032	0.63	0.25	0.076	—	1000
MI10-250DFX	09975	12-10	0.250 x 0.032	0.64	0.25	0.128	50	500
MI10-250DFK	69557	12-10	0.250 x 0.032	0.64	0.25	0.128	—	500



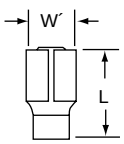
	MI18-187DF	MI18-250DF	MI14-187DF	MI14-250DF	MI10-250DF
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MU18-187DM	MU18-250DF	MU14-187DM	MU14-250DM	MU10-250DM

†*Product Number ending in X = box; Product Number ending with K = bulk*

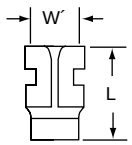
Female Disconnects – Non-Insulated Butted Seam Flag

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU18-187DF/FLAGX*	22138	22-18	0.187 x 0.020	0.46	0.20	0.075	100	500
MU18-187DF/FLAGK*	01302	22-18	0.187 x 0.020	0.46	0.20	0.075	—	1000
MU18-250DF/FLAGX	22146	22-18	0.250 x 0.032	0.50	0.25	0.075	100	500
MU18-250DF/FLAGK	01303	22-18	0.250 x 0.032	0.50	0.25	0.075	—	1000
MU14-187DF/FLAGX*	22948	16-14	0.187 x 0.020	0.47	0.20	0.095	100	500
MU14-187DF/FLAGK*	01778	16-14	0.187 x 0.020	0.47	0.20	0.095	—	1000
MU14-250DF/FLAGX	22955	16-14	0.250 x 0.032	0.51	0.26	0.095	100	500
MU14-250DF/FLAGK	01779	16-14	0.250 x 0.032	0.51	0.26	0.095	—	1000
MU10-250DF/FLAGK	02245	12-10	0.250 x 0.032	0.63	0.25	0.175	—	500

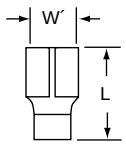
* Not UL Listed or CSA Certified



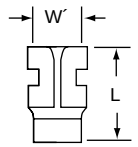
MU18-187DF/FLAG



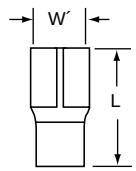
MU18-250DF/FLAG



MU14-187DF/FLAG



MU14-250DF/FLAG



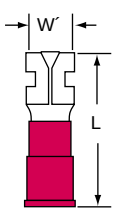
MU10-250DF/FLAG

	MU18-187DF/FLAG	MU18-250DF/FLAG	MU14-187DF/FLAG	MU14-250DF/FLAG	MU10-250DF/FLAG
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	0.187 Male Tab	0.250 Male Tab	0.187 Male Tab	0.250 Male Tab	0.250 Male Tab

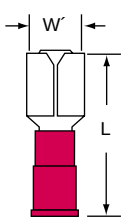
Female Disconnects – Vinyl Insulated Butted Seam

Product Number†	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18-187DFK	02368	22-18	0.187 x 0.020	0.78	0.25	0.085	0.145	—	1000
MVU18-250DFX	11820	22-18	0.250 x 0.032	0.87	0.25	0.080	0.145	100	500
MVU18-250DFK	01301	22-18	0.250 x 0.032	0.87	0.25	0.080	0.145	—	1000
MVU14-110DFX*	22856	16-14	0.110 x 0.020	0.81	0.19	0.115	0.145	100	500
MVU14-110DFK*	01775	16-14	0.110 x 0.020	0.81	0.19	0.115	0.145	—	1000
MVU14-187DFX	22872	16-14	0.187 x 0.020	0.78	0.25	0.085	0.145	100	500
MVU14-187DFK	01776	16-14	0.187 x 0.020	0.78	0.25	0.085	0.145	—	1000
MVU14-250DFX	22880	16-14	0.250 x 0.032	0.87	0.25	0.080	0.145	100	500
MVU14-250DFK	01777	16-14	0.250 x 0.032	0.87	0.25	0.080	0.145	—	1000
MVU10-375DFK*	02055	12-10	0.375 x 0.050	1.23	0.25	0.175	0.250	—	500

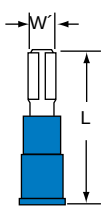
* Not UL Listed or CSA Certified
** For #10-12 AWG, MVU10-250DF has been substituted with MVI10-250DF.



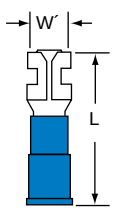
MVU18-187DF



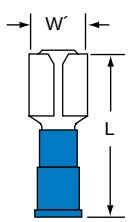
MVU18-250DF



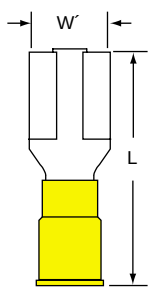
MVU14-110DF



MVU14-187DF



MVU14-250DF



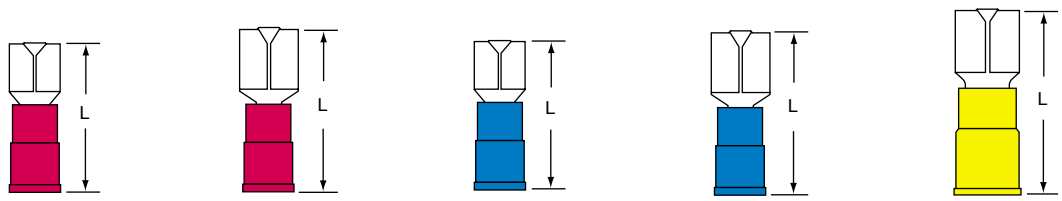
MVU10-375DF

	MVU18-187DF	MVU18-250DF	MVU14-110DF	MVU14-187DF	MVU14-250DF	MVU10-375DF
Wire Range	22-18	22-18	16-14	16-14	16-14	12-10
Suggested Mate	MVU18-187DM	MVU18-250DM	0.110 Male Tab	MVU14-187DM	MVU14-250DM	0.375 Male Tab

†Product Number ending in X = box; Product Number ending with K = bulk

Female Disconnects – Vinyl Insulated Interlock Barrel

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVI18-187DFX	09996	22-18	0.187 x 0.020	0.77	0.25	0.080	0.145	100	500
MVI18-187DFK	69581	22-18	0.187 x 0.020	0.77	0.25	0.080	0.145	—	1000
MVI18-250DFX	09997	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MVI18-250DFK	69582	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MVI14-187DFX	09999	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	100	500
MVI14-187DFK	69579	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	—	1000
MVI14-250DFX	69556	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MVI14-250DFK	69580	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MVI10-250DFX	09998	12-10	0.250 x 0.032	0.95	0.25	0.128	0.250	50	500
MVI10-250DFK	69578	12-10	0.250 x 0.032	0.95	0.25	0.128	0.250	—	500

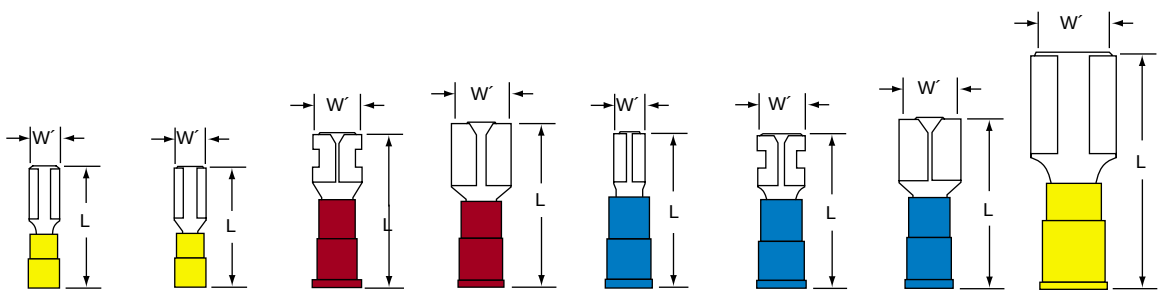


	MVI18-187DF	MVI18-250DF	MVI14-187DF	MVI14-250DF	MVI10-250DF
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MVU18-187DM	MVU18-250DM	MVU14-187DM	MVU14-250DM	MVU10-250DM

Female Disconnects – Nylon Insulated with Insulation Grip

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG20-110DFK*	00988	26-20	0.110 x 0.020	0.63	0.13	0.055	0.093	—	1000
MNG20-110/32DFX*	49589	26-20	0.110 x 0.032	0.63	0.13	0.055	0.093	100	500
MNG20-110/32DFK*	00989	26-20	0.110 x 0.032	0.63	0.13	0.055	0.093	—	1000
MNG18-187DFK	02405	22-18	0.187 x 0.020	0.77	0.25	0.085	0.145	—	1000
MNG18-250DFX	02393	22-18	0.250 x 0.032	0.86	0.25	0.080	0.145	100	500
MNG18-250DFK	02369	22-18	0.250 x 0.032	0.86	0.25	0.080	0.145	—	1000
MNG14-110DFX*	22898	16-14	0.110 x 0.020	0.80	0.19	0.115	0.145	100	500
MNG14-110DFK*	01772	16-14	0.110 x 0.020	0.80	0.19	0.115	0.145	—	1000
MNG14-187DFX	22914	16-14	0.187 x 0.020	0.77	0.25	0.085	0.145	100	500
MNG14-187DFK	01773	16-14	0.187 x 0.020	0.77	0.25	0.085	0.145	—	1000
MNG14-250DFX	22930	16-14	0.250 x 0.032	0.86	0.25	0.080	0.145	100	500
MNG14-250DFK	01774	16-14	0.250 x 0.032	0.86	0.25	0.080	0.145	—	1000
MNG10-375DFK*	02053	12-10	0.375 x 0.050	1.23	0.25	0.175	0.250	—	500

* Not UL Listed or CSA Certified

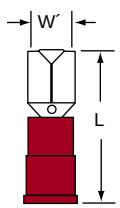


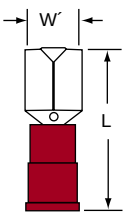
	MNG20-110DF	MNG20-110/32DF	MNG18-187DF	MNG18-250DF	MNG14-110DF	MNG14-187DF	MNG14-250DF	MNG10-375DF
Wire Range	26-20	26-20	22-18	22-18	16-14	16-14	16-14	12-10
Suggested Mate	0.110 Male Tab	0.110 Male Tab	MNG18-187DM	MNG18-250DM	0.110 Male Tab	MNG14-187DM	MNG14-250DM	0.375 Male Tab

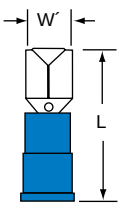
†Product Number ending in X = box; Product Number ending with K = bulk

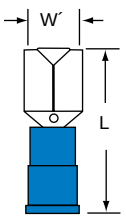
Female Disconnects – Nylon Insulated with Insulation Grip Interlock Barrel

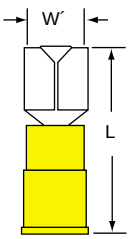
Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W′) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNGI18-187DFX	09989	22-18	0.187 x 0.020	0.77	0.25	0.080	0.145	100	500
MNGI18-187DFK	69571	22-18	0.187 x 0.020	0.77	0.25	0.080	0.145	—	1000
MNGI18-250DFX	09990	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MNGI18-250DFK	69572	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MNGI14-187DFX	09987	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	100	500
MNGI14-187DFK	69569	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	—	1000
MNGI14-250DFX	09988	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MNGI14-250DFK	69570	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MNGI10-250DFX	09986	12-10	0.250 x 0.032	0.94	0.25	0.128	0.250	50	500
MNGI10-250DFK	69568	12-10	0.250 x 0.032	0.94	0.25	0.128	0.250	—	500







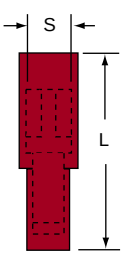


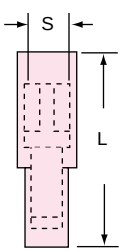


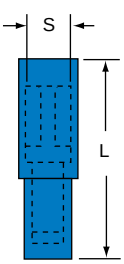
	MNGI18-187DF	MNGI18-250DF	MNGI14-187DF	MNGI14-250DF	MNGI10-250DF
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNG18-187DM	MNG18-250DM	MNG14-187DM	MNG14-250DM	MNG10-250DM

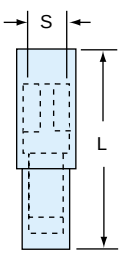
Female Disconnects – Nylon Insulated with Insulation Grip Bullet Style

Product Number†	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-156DFIK	01305	22-18	0.156	1.02	0.25	0.095	0.145	—	1000
MNG18-180DFIK	02254	22-18	0.180	1.02	0.25	0.095	0.145	—	1000
MNG18-180DFIK	02254	22-18	0.180	1.02	0.25	0.095	0.145	—	1000
MNG14-156DFIX	11712	16-14	0.156	1.02	0.25	0.115	0.170	100	500
MNG14-156DFIK	01782	16-14	0.156	1.02	0.25	0.115	0.170	—	1000
MNG14-180DFIX	11713	16-14	0.180	1.02	0.25	0.115	0.170	100	500
MNG14-180DFIK	02268	16-14	0.180	1.02	0.25	0.115	0.170	—	1000







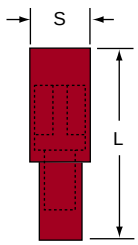


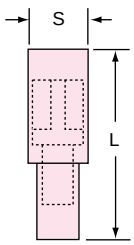
	MNG18-156DFI	MNG18-180DFI	MNG14-156DFI	MNG14-180DFI
Wire Range	22-18	22-18	16-14	16-14
Suggested Mate	MNG18-156DM	MNG18-180DM	MNG14-156DM	MNG14-180DM

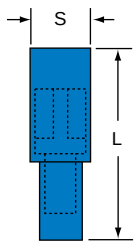
†*Product Number ending in X = box; Product Number ending with K = bulk*

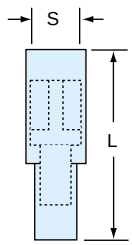
Female Disconnects – Nylon Insulated Butted Seam Bullet Style

Product Number†	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Case
MNU18-156DFIK	02304	22-18	0.156	1.02	0.25	0.095	0.145	1000
MNU18-180DFIK	02305	22-18	0.180	1.02	0.25	0.095	0.145	1000
MNU14-156DFIK	02282	16-14	0.156	1.02	0.25	0.115	0.170	1000
MNU14-180DFIK	02283	16-14	0.180	1.02	0.25	0.115	0.170	1000







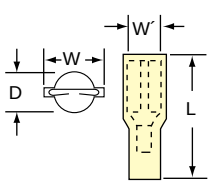


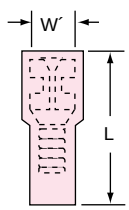
	MNU18-156DFI	MNU18-180DFI	MNU14-156DFI	MNU14-180DFI
Wire Range	22-18	22-18	16-14	16-14
Suggested Mate	MVU18-156DM	MVU18-180DM	MVU14-156DM	MVU14-180DM

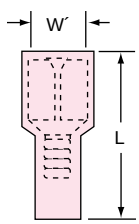
Female Disconnects – Nylon Fully Insulated Butted Seam

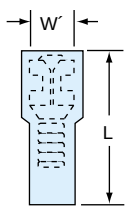
Product Number†	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width(W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNU20-110DFIK*	02396	26-20	0.110 x 0.020 0.125 x 0.020	0.66	0.22	0.15	0.13	0.055	0.093	—	1000
MNU18-187DFIX	02353	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNU18-187DFIK	02370	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNU18-250DFIX	02286	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	100	500
MNU18-250DFIK	02290	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000
MNU14-187DFIX	02387	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNU14-187DFIK	02384	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNU14-250DFIX	02287	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	50	500
MNU14-250DFIK	02291	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000

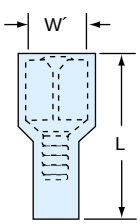
* Not UL Listed or CSA Certified
** For #10-12 AWG, see MNI10-250DFI.











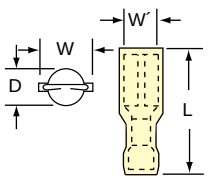
	MNU20-110DFI	MNU18-187DFI	MNU18-250DFI	MNU14-187DFI	MNU14-250DFI
Stud Size	**MNU20-110DFI**	**MNU18-187DFI**	**MNU18-250DFI**	**MNU14-187DFI**	**MNU14-250DFI**
Wire Range	26-20	22-18	22-18	16-14	16-14
Suggested Mate	0.110 Male Tab	MNU18-187DMI	MNU18-250DMI	MNU14-187DMI	MNU14-250DMI

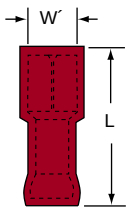
†Product Number ending in X = box; Product Number ending with K = bulk

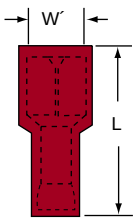
Female Disconnects – Nylon Fully Insulated with Insulation Grip

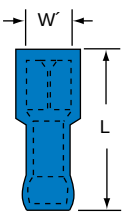
Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W′) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG20-110DFIK*	00996	26-20	0.110-0.125 x 0.020	0.66	0.22	0.15	0.13	0.055	0.093	—	1000
MNG18-187DFIX	11704	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNG18-187DFIK	11816	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNG18-250DFIX	11705	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	100	500
MNG18-250DFIK	02293	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000
MNG14-187DFIX	11715	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNG14-187DFIK	15975	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNG14-250DFIX	11716	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	100	500
MNG14-250DFIK	01841	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000

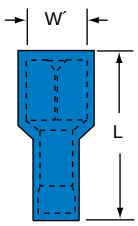
* Not UL Listed or CSA Certified







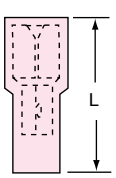


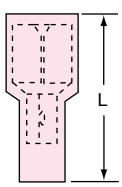


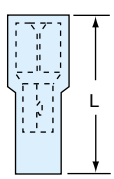
Stud Size	**MNG20-110DFI**	**MNG18-187DFI**	**MNG18-250DFI**	**MNG14-187DFI**	**MNG14-250DFI**
Wire Range	26-20	22-18	22-18	16-14	16-14
Suggested Mate	0.110 Male Tab	MNG18-187DMI	MNG18-250DMI	MNG14-187DMI	MNG14-250DMI

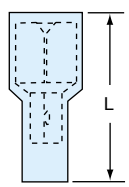
Female Disconnects – Nylon Fully Insulated Interlock Barrel

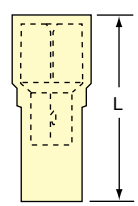
Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W′) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNI18-187DFIX	09994	22-18	0.187 x 0.020	0.81	0.25	0.080	0.145	100	500
MNI18-187DFIK	69576	22-18	0.187 x 0.020	0.81	0.25	0.080	0.145	—	1000
MNI18-250DFIX	09995	22-18	0.250 x 0.032	0.91	0.25	0.076	0.145	100	500
MNI18-250DFIK	69577	22-18	0.250 x 0.032	0.91	0.25	0.076	0.145	—	1000
MNI14-187DFIX	09992	16-14	0.187 x 0.020	0.81	0.25	0.080	0.145	100	500
MNI14-187DFIK	69574	16-14	0.187 x 0.020	0.81	0.25	0.080	0.145	—	1000
MNI14-250DFIX	09993	16-14	0.250 x 0.032	0.91	0.25	0.076	0.145	100	500
MNI14-250DFIK	69575	16-14	0.250 x 0.032	0.91	0.25	0.076	0.145	—	1000
MNI10-250DFIX	09991	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	50	500
MNI10-250DFIK	69573	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	—	500









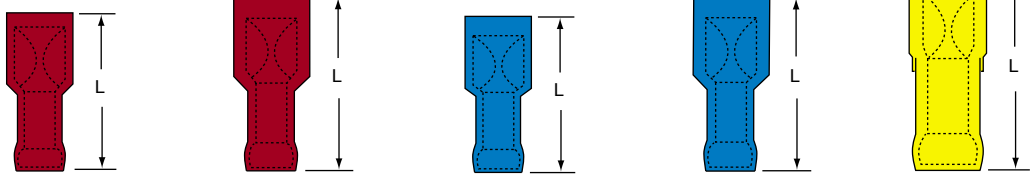


	MNI18-187DFI	**MNI18-250DFI**	**MNI14-187DFI**	**MNI14-250DFI**	**MNI10-250DFI**
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNU18-187DMI	MN18-250DMI	MNU14-187DMI	MNU14-250DMI	MNU10-250DMI

†Product Number ending in X = box; Product Number ending with K = bulk

Female Disconnects – Nylon Fully Insulated with Insulation Grip Interlock Barrel

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNGI18-187DFIX	09984	22-18	0.187 x 0.020	0.81	0.25	0.080	0.145	100	500
MNGI18-187DFIK	69566	22-18	0.187 x 0.020	0.81	0.25	0.080	0.145	—	1000
MNGI18-250DFIX	09985	22-18	0.250 x 0.032	0.87	0.25	0.076	0.145	100	500
MNGI18-250DFIK	69567	22-18	0.250 x 0.032	0.87	0.25	0.076	0.145	—	1000
MNGI14-187DFIX	09982	16-14	0.187 x 0.020	0.81	0.25	0.080	0.145	100	500
MNGI14-187DFIK	69564	16-14	0.187 x 0.020	0.81	0.25	0.080	0.145	—	1000
MNGI14-250DFIX	09983	16-14	0.250 x 0.032	0.87	0.25	0.076	0.145	100	500
MNGI14-250DFIK	69565	16-14	0.250 x 0.032	0.87	0.25	0.076	0.145	—	1000
MNGI10-250DFIX	09981	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	50	500
MNGI10-250DFIK	69563	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	—	500

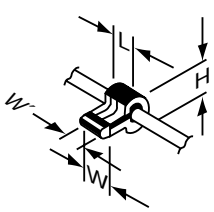


	MNGI18-187DFI	**MNGI18-250DFI**	**MNGI14-187DFI**	**MNGI14-250DFI**	**MNGI10-250DFI**
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNG18-187DMI	MNG18-250DMI	MNG14-187DMI	MNG14-250DMI	MNG10-250DMI

Female Disconnects – T-Tap Nylon Insulated Self-Stripping

Product Number†	UPC (054007-)	Wire Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	H	W	Maximum Insulation Diameter	Terminals per: Carton	Case
951X	12312	22-18	0.250 x 0.032	0.73	0.44	0.38	0.150	50	500
951K	12313	22-18	0.250 x 0.032	0.73	0.44	0.38	0.150	—	1000
952X	08427	16-14	0.250 x 0.032	0.73	0.44	0.38	0.150	50	500
952K	08428	16-14	0.250 x 0.032	0.73	0.44	0.38	0.150	—	1000
953X	12314	12	0.250 x 0.032	0.73	0.44	0.38	0.150	50	500
953K	12315	12	0.250 x 0.032	0.73	0.44	0.38	0.150	—	1000

	951	**952**	**953**
Wire Range	22-18	18-16-14	12
Suggested Mate	MNG18-250DMI	MNG14-250DMI	MNG10-250DMI

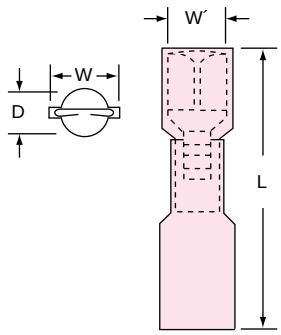


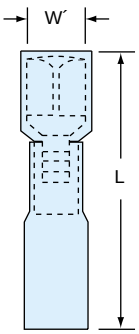
†Product Number ending in X = box; Product Number ending with K = bulk

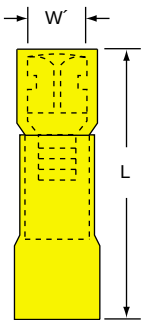
Female Disconnects – Heat Shrink Nylon Fully Insulated

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MNHU18-250DFIX*	06354	22-18	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	25	100
MNHU18-250DFIK*	06355	22-18	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	—	250
MNHU14-250DFIX*	06338	16-14	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	25	100
MNHU14-250DFIK*	06339	16-14	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	—	250
MNHU10-250DFIX	06314	12-10	0.250 x 0.032	1.2	0.39	0.32	0.25	0.165	25	100
MNHI10-250DFIK	06315	12-10	0.250 x 0.032	1.2	0.39	0.32	0.25	0.165	—	250

*Windowless receptacle





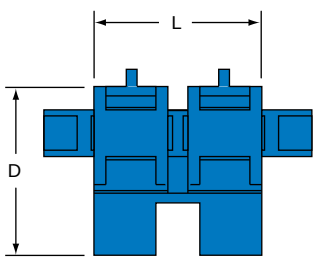


	MNHU18-250DFI	**MNHU14-250DFI**	**MNHI10-250DFI**
Wire Range	22-18	16-14	12-10
Suggested Mate	MNHU18-250DMI	MNHU14-250DMI	MNHU10-250DMI

Female Disconnects – Fuseholder Polypropylene Insulated Self-Stripping

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	H	D	Maximum Insulation Diameter	Terminals per: Carton	Case
972X	06171	18-14	0.205 x 0.025	1.37	0.44	0.95	0.145	25	250
972K	06172	18-14	0.205 x 0.025	1.37	0.44	0.95	0.145	—	1000

For use with flat blade automotive type fuse of 30V or less.

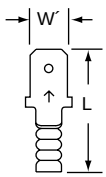


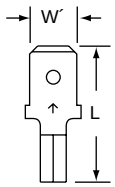
	972
Wire Range	18-14
Suggested Mate	ATO Auto Fuse

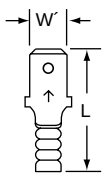
†*Product Number ending in X = box; Product Number ending with K = bulk*

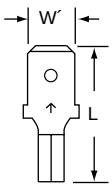
Male Disconnects – Non-Insulated Butted Seam

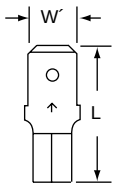
Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU18-187DMK	02372	22-18	0.187 x 0.020	0.64	0.24	0.080	—	1000
MU18-250DMK	02364	22-18	0.250 x 0.032	0.73	0.25	0.065	—	1000
MU14-187DMK	01783	16-14	0.187 x 0.020	0.64	0.24	0.080	—	1000
MU14-250DMX	22971	16-14	0.250 x 0.032	0.73	0.25	0.085	100	500
MU14-250DMK	01784	16-14	0.250 x 0.032	0.73	0.25	0.085	—	1000
MU10-250DMX	23912	12-10	0.250 x 0.032	0.75	0.25	0.150	100	500
MU10-250DMK	02056	12-10	0.250 x 0.032	0.75	0.25	0.150	—	500







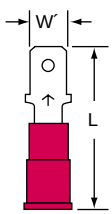


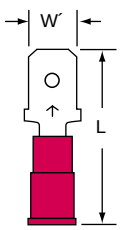


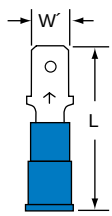
	MU18-187DM	MU18-250DM	MU14-187DM	MU14-250DM	MU10-250DM
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MU18-187DF	MU18-250DF	MU14-187DF	MU14-250DF	MU10-250DF

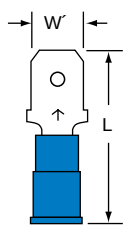
Male Disconnects – Vinyl Insulated Butted Seam

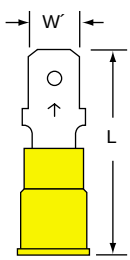
Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18-187DMK	02375	22-18	0.187 x 0.020	0.85	0.24	0.080	0.145	—	1000
MVU18-250DMX	11822	22-18	0.250 x 0.032	0.93	0.25	0.065	0.145	100	500
MVU18-250DMK	02376	22-18	0.250 x 0.032	0.93	0.25	0.065	0.145	—	1000
MVU14-187DMX	22989	16-14	0.187 x 0.020	0.85	0.24	0.080	0.145	100	500
MVU14-187DMK	01789	16-14	0.187 x 0.020	0.85	0.24	0.080	0.145	—	1000
MVU14-250DMX	22997	16-14	0.250 x 0.032	0.93	0.25	0.085	0.170	100	500
MVU14-250DMK	01790	16-14	0.250 x 0.032	0.93	0.25	0.085	0.170	—	1000
MVU10-250DMX	23920	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	50	500
MVU10-250DMK	02059	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	—	500









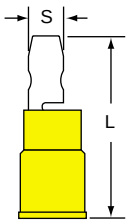


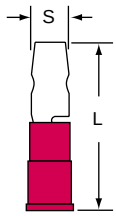
	MVU18-187DM*	MVU18-250DM	MVU14-187DM	MVU14-250DM	MVU10-250DM
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MVU18-187DF	MVU18-250DF	MVU14-187DF	MVU14-250DF	MVI10-250DF

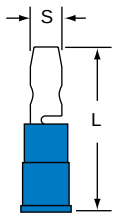
†Product Number ending in X = box; Product Number ending with K = bulk

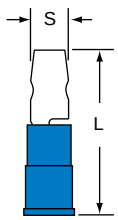
Male Disconnects – Vinyl Insulated Butted Seam Bullet Style

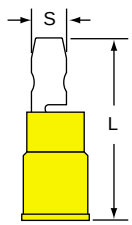
Product Number†	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18-156DMK	02259	22-18	0.156	0.85	0.19	0.070	0.145	—	1000
MVU18-180DMK	02260	22-18	0.180	0.85	0.19	0.070	0.145	—	1000
MVU14-156DMX	06108	16-14	0.156	0.85	0.19	0.090	0.170	100	500
MVU14-156DMK	01813	16-14	0.156	0.85	0.19	0.090	0.170	—	1000
MVU14-180DMX	23094	16-14	0.180	0.85	0.19	0.090	0.170	100	500
MVU14-180DMK	01814	16-14	0.180	0.85	0.19	0.090	0.170	—	1000
MVU10-156DMK	02075	12-10	0.156	0.94	0.22	0.155	0.250	—	500







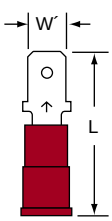


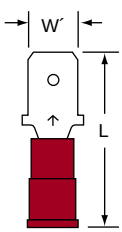


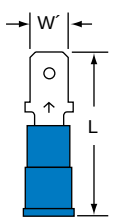
	MVU18-156DM	MVU18-180DM	MVU14-156DM	MVU14-180DM	MVU10-156DM
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNU18-156DFI	MNU18-180DFI	MNU14-156DFI	MNU14-180DFI	0.156 Female Bullet

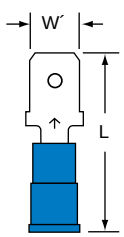
Male Disconnects – Nylon Insulated with Insulation Grip

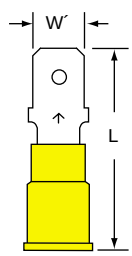
Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-187DMK	02377	22-18	0.187 x 0.020	0.84	0.24	0.080	0.145	—	1000
MNG18-250DMX	02365	22-18	0.250 x 0.032	0.92	0.25	0.065	0.145	100	500
MNG18-250DMK	02378	22-18	0.250 x 0.032	0.92	0.25	0.065	0.145	—	1000
MNG14-187DMX	23003	16-14	0.187 x 0.020	0.84	0.24	0.080	0.145	100	500
MNG14-187DMK	01787	16-14	0.187 x 0.020	0.84	0.24	0.080	0.145	—	1000
MNG14-250DMX	23011	16-14	0.250 x 0.032	0.94	0.25	0.085	0.170	100	500
MNG14-250DMK	01788	16-14	0.250 x 0.032	0.94	0.25	0.085	0.170	—	1000
MNG10-250DMX	23938	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	50	500
MNG10-250DMK	02058	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	—	500









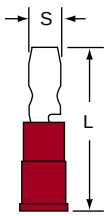


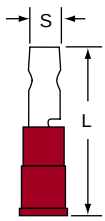
	MNG18-187DM	MNG18-250DM	MNG14-187DM	MNG14-250DM	MNG10-250DM
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNG18-187DF	MNG18-250DF	MNG14-187DF	MNG14-250DF	MNGI10-250DF

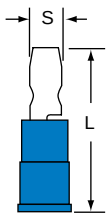
†*Product Number ending in X = box; Product Number ending with K = bulk*

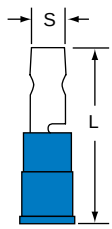
Male Disconnects – Nylon Insulated with Insulation Grip Bullet Style

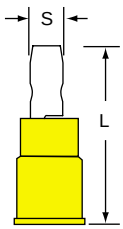
Product Number†	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-156DMK	02240	22-18	0.156	0.85	0.19	0.070	0.145	—	1000
MNG18-180DMK	02241	22 18	0.180	0.85	0.19	0.070	0.145	—	1000
MNG14-156DMX	49634	16-14	0.156	0.87	0.19	0.090	0.170	100	500
MNG14-156DMK	01811	16-14	0.156	0.87	0.19	0.090	0.170	—	1000
MNG14-180DMK	01812	16-14	0.180	0.87	0.19	0.090	0.170	—	1000
MNG10-156DMK	02074	12-10	0.156	0.94	0.22	0.155	0.250	—	500







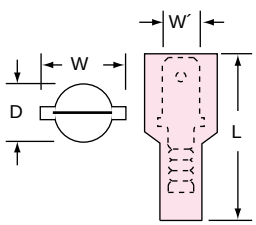


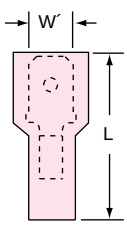


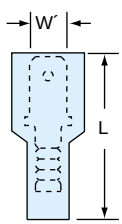
	MNG18-156DM	MNG18-180DM	MNG14-156DM	MNG14-180DM	MNG10-156DM
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNG18-156DFI	MNG18-180DFI	MNG14-156DFI	MNG14-180DFI	0.156 Female Bullet

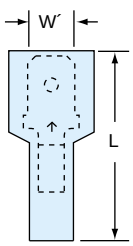
Male Disconnects – Nylon Fully Insulated Butted Seam

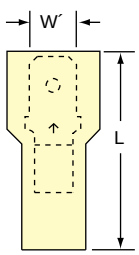
Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width(W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNU18-187DMIX	02354	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNU18-187DMIK	02379	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNU18-250DMIX	02289	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	100	500
MNU18-250DMIK	02299	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	—	1000
MNU14-187DMIX	02381	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNU14-187DMIK	02385	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNU14-250DMIX	02306	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	50	500
MNU14-250DMIK	02306	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	—	1000
MNU10-250DMIX	02307	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	50	500
MNU10-250DMIK	02301	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	—	500









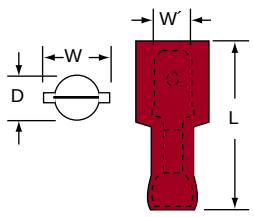


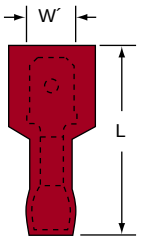
	MNU18-187DMI	MNU18-250DMI	MNU14-187DMI	MNU14-250DMI	MNU10-250DMI
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNU18-187DFI	MNU18-250DFI	MNU14-187DFI	MNU14-250DFI	MNI10-250DFI

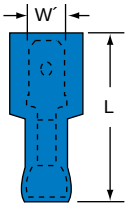
†Product Number ending in X = box; Product Number ending with K = bulk

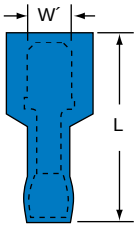
Male Disconnects – Nylon Fully Insulated with Insulation Grip

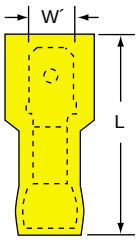
Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width(W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-187DMIX	11710	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNG18-187DMIK	11794	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNG18-250DMIX	11711	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	100	500
MNG18-250DMIK	02302	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	—	1000
MNG14-187DMIX	11722	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNG14-187DMIK	02386	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNG14-250DMIX	11723	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	100	500
MNG14-250DMIK	02249	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	—	1000
MNG10-250DMIX	11729	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	50	500
MNG10-250DMIK	02303	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	—	500







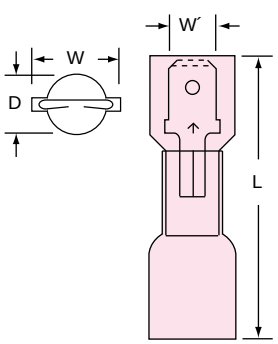


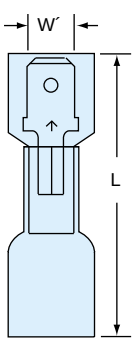


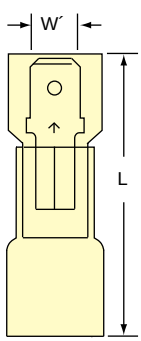
	MNG18-187DMI	MNG18-250DMI	MNG14-187DMI	MNG14-250DMI	MNG10-250DMI
Wire Range	22-18	22-18	16-14	16-14	12-10
Suggested Mate	MNG18-187DFI	MNG18-250DFI	MNG14-187DFI	MNG14-250DFI	MNGI10-250DFI

Male Disconnects – Heat Shrink Nylon Fully Insulated Butted Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width(W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MNHU18-250DMIX	06356	22-18	0.250 x 0.032	1.2	0.44	0.30	0.25	0.065	25	100
MNHU18-250DMIK	06357	22-18	0.250 x 0.032	1.2	0.44	0.30	0.25	0.065	—	250
MNHU14-250DMIX	06340	16-14	0.250 x 0.032	1.2	0.44	0.30	0.25	0.085	25	100
MNHU14-250DMIK	06341	16-14	0.250 x 0.032	1.2	0.44	0.30	0.25	0.085	—	250
MNHU10-250DMIX	06316	12-10	0.250 x 0.032	1.2	0.47	0.39	0.25	0.150	25	100
MNHU10-250DMIK	06317	12-10	0.250 x 0.032	1.2	0.47	0.39	0.25	0.150	—	250





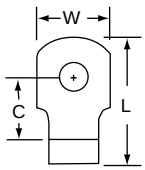


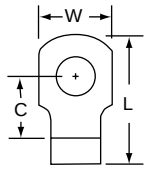
	MNHU18-250DMI	MNHU14-250DMI	MNHU10-250DMI
Wire Range	22-18	16-14	12-10
Suggested Mate	MNHU18-250DFI	MNHU14-250DFI	MNHI10-250DFI

†*Product Number ending in X = box; Product Number ending with K = bulk*

Flags – Non-Insulated Ring Type

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-6R/FLAGK	01294	22-18	6	0.38	0.34	0.66	0.030	0.26	0.070	1000
MU14-10R/FLAGK	01661	16-14	10	0.38	0.34	0.69	0.030	0.25	0.090	1000

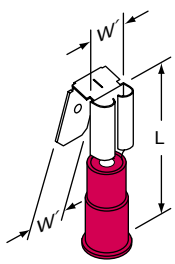


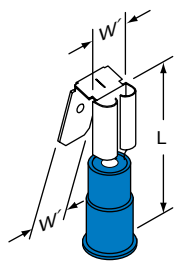


	MU18-6R/FLAG	MU14-10R/FLAG
Stud Size	6	10
Wire Range	22-18	16-14

Multi-Stack Disconnects – Vinyl Insulated Butted Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Female & Male Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Terminals per: Case
MVU18-250DMFX	11703	22-18	0.250 x 0.032	0.87	0.23	0.070	0.145	100	500
MVU18-250DMFK	01332	22-18	0.250 x 0.032	0.87	0.23	0.070	0.145	—	1000
MVU14-250DMFX	11714	16-14	0.250 x 0.032	0.87	0.23	0.090	0.170	100	500
MVU14-250DMFK	01838	16-14	0.250 x 0.032	0.87	0.23	0.090	0.170	—	1000

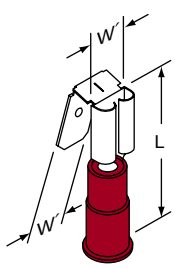


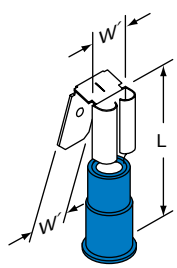


	MVU18-250DMF	MVU14-250DM
Wire Range	22-18	16-14
Suggested Mate	0.250 Male/Female	0.250 Male/Female

Multi-Stack Disconnects – Nylon Insulated with Insulation Grip

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Female & Male Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Case
MNG18-250DMFK	01331	22-18	0.250 x 0.032	0.86	0.23	0.070	0.145	1000
MNG14-250DMFK	01837	16-14	0.250 x 0.032	0.88	0.23	0.090	0.170	1000





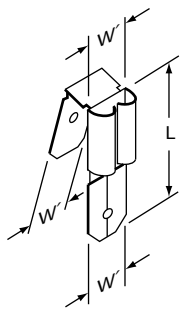
	MNG18-250DMF	MNG14-250DMF
Wire Range	22-18	16-14
Suggested Mate	0.250 Male/Female	0.250 Male/Female

†Product Number ending in X = box; Product Number ending with K = bulk

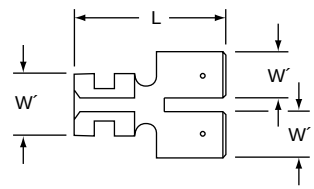
Adapters – Non-Insulated Double Male-Female

Product Number†	UPC (054007-)	Mates with Female & Male Width(W´) x Thickness	L	Terminals per: Carton	Case
MA250DMFMX*	11730	0.250 x 0.032	0.78	50	500
MA250DMFMK*	02221	0.250 x 0.032	0.78	—	500
MA250DMMFX	02308	0.250 x 0.032	0.76	50	500
MA250DMMFK	02273	0.250 x 0.032	0.76	—	500

*Not UL Listed or CSA Certified



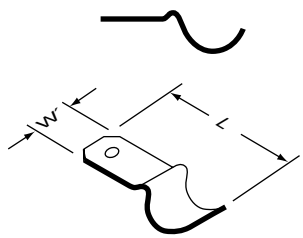
MA250DMFM
Suggested Mate
0.250 Males (2)/Female



MA250DMMF
0.250 Male/Females (2)

Adapters – Non-Insulated Male Fuse-Clip

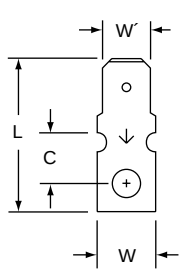
Product Number†	UPC (054007-)	Male Tab Width(W´) x Thickness	L	Terminals per Case
MA250DM/FUSEK	02269	0.250 x 0.030	0.77	500



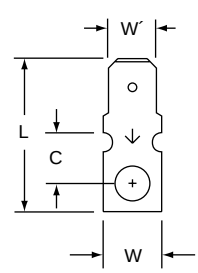
MA250DM/FUSE
Suggested Mate
0.250 Female/Fuse

Adapters – Non-Insulated Male Rectangular Tongue

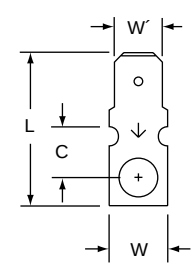
Product Number†	UPC (054007-)	Stud Size	Male Tab Width(W´) x Thickness	W	C	L	Terminals per Case
MA250DM/6RRK	02225	6	0.250 x 0.032	0.30	0.26	0.80	500
MA250DM/8RRK	02226	8	0.250 x 0.032	0.30	0.26	0.80	500
MA250DM/10RRK	02227	10	0.250 x 0.032	0.30	0.26	0.80	500



MA250DM/6RR
Suggested Mate
0.250 Female Disconnect



MA250DM/8RR
0.250 Female Disconnect

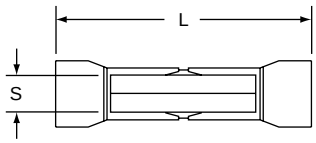


MA250DM/10RR
0.250 Female Disconnect

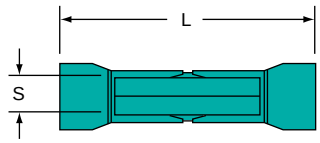
†*Product Number ending in X = box; Product Number ending with K = bulk*

Adapters – Vinyl Insulated Double Female Disconnect

Product Number†	UPC (054007-)	Mating Snap Diameter	L	Terminals per Case
MVA156DFFIK	14358	0.156	1.31	500
MVA180DFFIK	02236	0.180	1.31	500



MVA156DFFI
0.156 Male Bullets

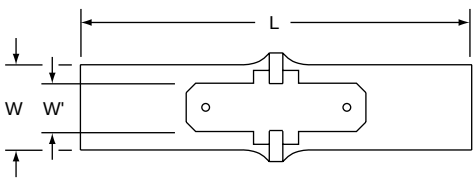


MVA180DFFI
0.180 Male Bullets

Suggested Mate

Adapters – Vinyl Insulated Double Male Disconnect

Product Number†	UPC (054007-)	Male Tab Width(W´) x Thickness	L	Insulation Barrel W	Terminals per Carton	Terminals per Case
MVA250DMMIX	24308	0.250 x 0.032	2.12	0.44	25	250
MVA250DMMIK	02211	0.250 x 0.032	2.12	0.44	—	500



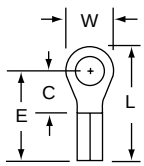
MVA250DMMI
0.250 Female Disconnect

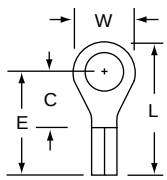
Suggested Mate

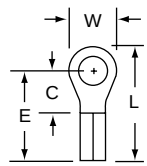
†Product Number ending in X = box; Product Number ending with K = bulk

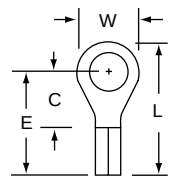
*High Temperature Ring Tongues – Butted Seam **900°F (482°C)**

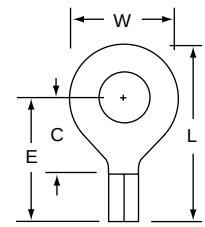
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MU18-6RHT/SX	49607	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	100	500
MU18-6RHT/SK	01297	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	—	1000
MU18-10RHTX	49608	22-18	10	0.33	0.29	0.70	0.54	0.030	0.25	0.070	100	500
MU18-10RHTK	01155	22-18	10	0.33	0.29	0.70	0.54	0.030	0.25	0.070	—	1000
MU14-6RHT/SX	49629	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	100	500
MU14-6RHT/SK	01758	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	—	1000
MU14-10RHTX	15629	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	100	500
MU14-10RHTK	01759	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	—	1000
MU14-14RHTX	49630	16-14	1/4	0.56	0.40	0.93	0.65	0.030	0.25	0.090	100	500
MU14-14RHTK	01760	16-14	1/4	0.56	0.40	0.93	0.65	0.030	0.25	0.090	—	1000
MU10-10RHTX	15637	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
MU10-10RHTK	02045	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
MU10-14RHTK	02046	12-10	1/4	0.59	0.44	0.99	0.69	0.040	0.25	0.135	—	500
MU8-14RHT/SK	02142	8	1/4	0.47	0.40	0.95	0.71	0.050	0.31	0.185	—	200
MU6-38RHTK	02171	6	3/8	0.63	0.52	1.22	0.91	0.050	0.39	0.255	—	200
MU4-38RHTK	02196	4	3/8	0.68	0.53	1.34	1.00	0.075	0.47	0.285	—	200



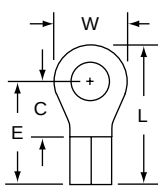


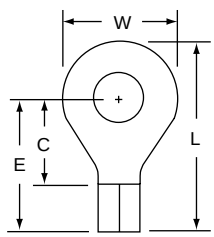


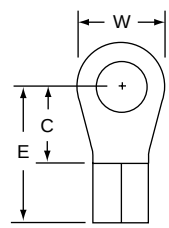


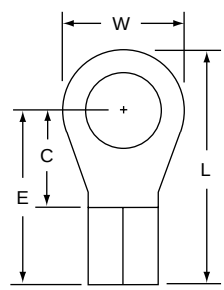


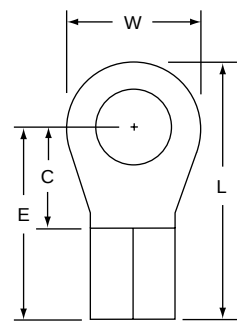
	MU18-6RHT/S	MU18-10RHT	MU14-6RHT/S	MU14-10RHT	MU14-14RHT
Stud Size	6	10	6	10	1/4
Wire Range	22-18	22-18	16-14	16-14	16-14











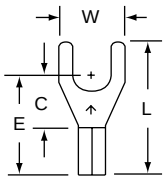
	MU10-10RHT	MU10-14RHT	MU8-14RHT/S	MU6-38RHT	MU4-38RHT
Stud Size	10	1/4	1/4	3/8	3/8
Wire Range	12-10	12-10	8	6	4

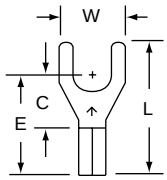
*Steel with nickel plating

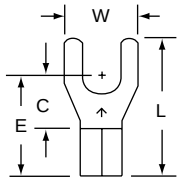
†*Product Number ending in X = box; Product Number ending with K = bulk*

*High Temperature Standard Forks – Butted Seam **900°F (482°C)**

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-10FHTK	01333	22-18	10	0.34	0.29	0.70	0.54	0.030	0.25	0.070	1000
MU14-10FHTK	01842	16-14	10	0.34	0.29	0.70	0.54	0.030	0.25	0.090	1000
MU10-10FHTK	02095	12-10	10	0.38	0.28	0.73	0.53	0.040	0.25	0.135	500



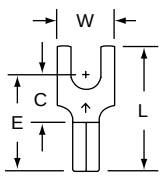


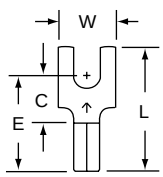


	MU18-10FHT	**MU14-10FHT**	**MU10-10FHT**
Stud Size	10	10	10
Wire Range	22-18	16-14	12-10

*High Temperature Block Forks – Butted Seam **900°F (482°C)**

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-6FBHTK	01334	22-18	6	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU14-6FBHTK	01843	16-14	6	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000

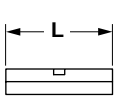


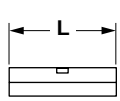


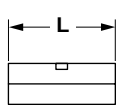
	MU18-6FBHT	**MU14-6FBHT**
Stud Size	6	6
Wire Range	22-18	16-14

*High Temperature Butt Connectors – Butted Seam **900°F (482°C)**

Product Number†	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU18BCHTX	49609	22-18	0.56	0.030	0.25	0.070	100	500
MU18BCHTK	01299	22-18	0.56	0.030	0.25	0.070	—	1000
MU14BCHTX	49631	16-14	0.56	0.030	0.25	0.090	100	500
MU14BCHTK	01761	16-14	0.56	0.030	0.25	0.090	—	1000
MU10BCHTX	49645	12-10	0.56	0.040	0.25	0.135	50	500
MU10BCHTK	02232	12-10	0.56	0.040	0.25	0.135	—	500







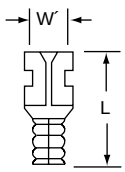
	MU18BCHT	**MU14BCHT**	**MU10BCHT**
Wire Range	22-18	16-14	12-10

*Steel with nickel plating

†Product Number ending in X = box; Product Number ending with K = bulk

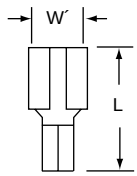
*High Temperature Female Disconnects – Butted Seam **900°F (482°C)**

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU14-187DFHTK	01762	16-14	0.187 x 0.020	0.58	0.25	0.085	—	1000
MU14-250DFHTX	49632	16-14	0.250 x 0.032	0.64	0.23	0.095	100	500
MU14-250DFHTK	01763	16-14	0.250 x 0.032	0.64	0.23	0.095	—	1000



MU14-187DFHT

Wire Range 16-14
Suggested Mate 0.187 High Temperature Male Tab

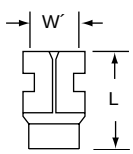


MU14-250DFHT

16-14
MU14-250DMHT

*High Temperature Female Disconnects – Butted Seam Flag **900°F (482°C)**

Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Case
MU14-250DFHT/FLAGK	01839	16-14	0.250 x 0.032	0.51	0.26	0.095	1000

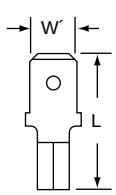


MU14-250DFHT/FLAG

Wire Range 16-14
Suggested Mate MU14-250DMHT

*High Temperature Male Disconnects – Butted Seam **900°F (482°C)**

Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width(W´) x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU14-250DMHTX	49633	16-14	0.250 x 0.032	0.73	0.25	0.090	100	500
MU14-250DMHTK	01765	16-14	0.250 x 0.032	0.73	0.25	0.090	—	1000



MU14-250DMHT

Wire Range 16-14
Suggested Mate MU14-250DFHT

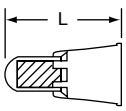
*Steel with nickel plating

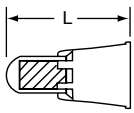
†*Product Number ending in X = box; Product Number ending with K = bulk*

Closed End Connectors – Nylon Insulated (Steel Insert)

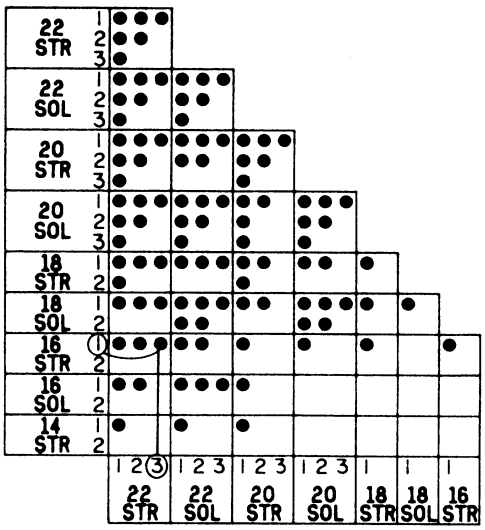
Product Number†	UPC (054007-)	Wire Range (AWG)	Copper Wire Combinations	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MN14CEC/STX*	49610	22-14	see chart below	0.76	0.31	0.091	100	500
MN14CEC/STK*	01316	22-14	see chart below	0.76	0.31	0.091	—	1000
MN10CEC/STX*	49635	18-10	see chart below	0.85	0.34	0.152	50	500
MN10CEC/STK*	01821	18-10	see chart below	0.85	0.34	0.152	—	1000

* UL Listed and CSA Certified for use with TH-440 and TH-450 Crimping Tools.

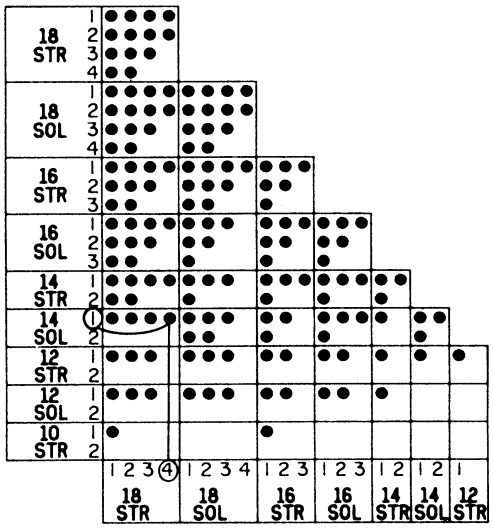




	MN14CEC/ST	MN10CEC/ST
Wire Range	22-14	18-10



How to read chart for MN14CEC/ST:
One #16 Stranded plus three #22 Stranded (equaling four wires) can be connected using an MN14CEC/ST connector.

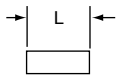


How to read chart for MN10CEC/ST:
One #14 Solid plus four #18 Stranded (equaling five wires) can be connected using an MN10CEC/ST connector.

†*Product Number ending in X = box; Product Number ending with K = bulk*

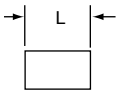
Parallel Connectors – Non-Insulated Seamless

Product Number†	UPC (054007-)	Wire Range (AWG)	Copper Wire Combinations	L	Thickness	Barrel I.D. In	Barrel I.D. CMA	Terminals per Case
M14PCK	01823	16-14	see chart on page 109	0.31	0.024	0.091	8281	1000
M10PCK	02083	12-10	see chart on page 109	0.34	0.024	0.152	23104	500



M14PC

Wire Range 16-14

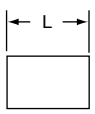


M10PC

12-10

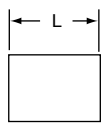
Parallel Connectors – Non-Insulated Brazed Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Copper Wire Combinations	L	Thickness	Barrel I.D. In	Barrel I.D. CMA	Terminals per Case
M8PCK	02145	8	see chart below	0.40	0.050	0.175	30625	200
M6PCK	02174	6	see chart below	0.45	0.050	0.250	62500	200
M4PCK	02199	4	see chart below	0.53	0.075	0.280	78400	200



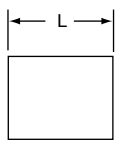
M8PC

Wire Range 8



M6PC

6



M4PC

4

Recommended Stranded Wire Combinations

MVU18PC
1 #22 to 1 #22, 20, 18, 16
1 #20 to 1 #20, 18, 16
1 #18 to 1 #18
Min. CMA: 1280, Max. CMA: 3600

M14PC and MVU14PC
1 #22 to 1 #22, 20, 18, 16, 14
1 #20 to 1 #20, 18, 16, 14
1 #18 to 1 #18, 16, 14
1 #16 to 1 #16
Min. CMA: 1280, Max. CMA: 5730

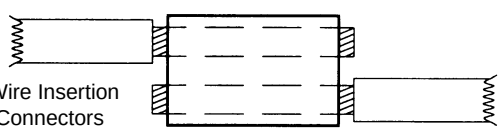
M10PC
1 #18 to 1 #18, 16, 14, 12, 10
1 #16 to 1 #16, 14, 12, 10
1 #14 to 1 #14, 12, 10
1 #12 to 1 #12
Min. CMA: 3240, Max. CMA: 14490

MVU10PC
1 #18 to 1 #18, 16, 14, 12, 10
1 #16 to 1 #16, 14, 12, 10
1 #14 to 1 #14, 12
Min. CMA: 3240, Max. CMA: 12860

M8PC and MV8PC
1 # 18 to 1 #18, 16, 14, 12, 10, 8
1 #16 to 1 #16, 14, 12, 10, 8
1 #14 to 1 #14, 12, 10, 8
1 #12 to 1 #12, 10
Min. CMA: 3240, Max. CMA: 20620

M6PC and MV6PC
1 #14 to 1 #14, 12, 10, 8, 6
1 #12 to 1 #12, 10, 8, 6
1 #10 to 1 #10, 8, 6
1 #8 to 1 #8
Min. CMA: 8220, Max. CMA: 36620

M4PC and MV4PC
1 #12 to 1 #12, 10, 8, 6, 4
1 #10 to 1 #10, 8, 6, 4
1 #8 to 1 #8, 6
Min. CMA: 13060, Max. CMA: 52020



Proper Wire Insertion
Parallel Connectors

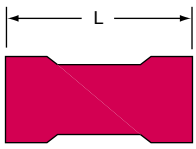
Product Referral Generator

Connecting
– MVU18PC . . . . . .pg. 111
– MVU14PC . . . . . .pg. 111
– MVU10PC . . . . . .pg. 111

†*Product Number ending in X = box; Product Number ending with K = bulk*

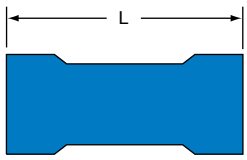
Parallel Connectors – Vinyl Insulated Brazed Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Copper Wire Combinations	L	Thickness	Barrel Length	Barrel I.D. In	Barrel I.D. CMA	Maximum Insulation Diameter	Terminals per Case
MV8PCK	14374	8	see chart on page 109	0.97	0.050	0.40	0.175	30625	0.385	200
MV6PCK	02175	6	see chart on page 109	1.21	0.050	0.45	0.250	62500	0.440	200
MV4PCK	02200	4	see chart on page 109	1.44	0.075	0.54	0.280	78400	0.515	200



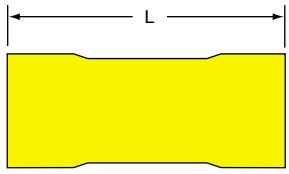
MV8PC

Wire Range 8



MV6PC

6

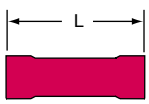


MV4PC

4

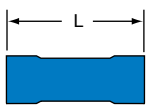
Parallel Connectors – Vinyl Insulated Butted Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Copper Wire Combinations	L	Thickness	Barrel Length	Barrel I.D. In	Barrel I.D. CMA	Maximum Insulation Diameter	Terminals per: Carton	Terminals per: Case
MVU18PCK	01318	22-18	see chart on page 109	0.67	0.030	0.31	0.070	4900	0.145	—	1000
MVU14PCX	23144	16-14	see chart on page 109	0.67	0.030	0.31	0.090	8100	0.170	100	500
MVU14PCK	01824	16-14	see chart on page 109	0.67	0.030	0.31	0.090	8100	0.170	—	1000
MVU10PCX	24050	12-10	see chart on page 109	0.87	0.040	0.31	0.135	18225	0.250	50	500
MVU10PCK	02084	12-10	see chart on page 109	0.87	0.040	0.31	0.135	18225	0.250	—	500



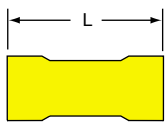
MVU18PC

Wire Range 22-18



MVU14PC

16-14



MVU10PC

12-10

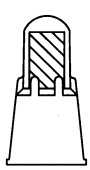
Crimp Sleeve Connectors – Nylon Insulated

Product Number†	UPC (054007-)	Maximum Voltage Rating*	AWG (mm²) Wire Range O.D. *	Temperature Rating	Inner Unit Pack	Case Qty.
S-11	16732	600V	2#22, 2#18, 2#16 stranded (0,6–2,6 mm²)	221°F (105°C)	100/box	1,000
	16733	600V	2#22, 2#18, 2#16 stranded (0,6–2,6 mm²)	221°F (105°C)	1,000/bag	10,000
S-31	16734	600V	2#18, 3#14 (1,6–6,6 mm²)	221°F (105°C)	50/box	500
	16735	600V	2#18, 3#14 (1,6–6,6 mm²)	221°F (105°C)	5,000/bag	5,000
S-60	16726	600V	2#16, 2#10 (2,1–8,2 mm²)	—	100/box	1,000
	16727	600V	2#16, 2#10 (2,1–8,2 mm²)	—	1,000/bag	10,000

* 1000V for signs, lighting fixtures and luminaries.

Note: See package for complete wire listings.

S-11



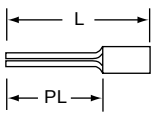
S-31

S-60

†*Product Number ending in X = box; Product Number ending with K = bulk*

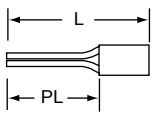
Pin Terminals–Non-Insulated

Product Number†	UPC (054007-)	Wire Range (AWG)	Pin Diameter	L	Barrel Length	Barrel I.D.	PL	Terminals per: Carton	Case
MU18-47PX	49422	22-18	0.080	0.73	0.25	0.070	0.47	100	500
MU18-47PK	49419	22-18	0.080	0.73	0.25	0.070	0.47	—	1000
MU14-47PX	49421	16-14	0.080	0.73	0.25	0.090	0.47	100	500
MU14-47PK	49418	16-14	0.080	0.73	0.25	0.090	0.47	—	1000
MU10-55PX	49420	12-10	0.110	0.81	0.25	0.135	0.55	50	500
MU10-55PK	49417	12-10	0.110	0.81	0.25	0.135	0.55	—	500



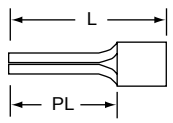
MU18-47P

Wire Range 22-18



MU14-47P

16-14

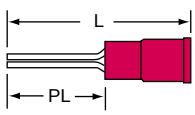


MU10-55P

12-10

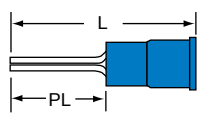
Pin Terminals – Vinyl Insulated Butted Seam

Product Number†	UPC (054007-)	Wire Range (AWG)	Pin Diameter	L	Barrel Length	Barrel I.D.	PL	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18-47PX	49434	22-18	0.080	0.92	0.25	0.070	0.47	0.145	100	500
MVU18-47PK	49431	22-18	0.080	0.92	0.25	0.070	0.47	0.145	—	1000
MVU14-47PX	49433	16-14	0.080	0.92	0.25	0.090	0.47	0.170	100	500
MVU14-47PK	49430	16-14	0.080	0.92	0.25	0.090	0.47	0.170	—	1000
MVU10-55PX	49432	12-10	0.110	1.105	0.25	0.135	0.55	0.250	50	500
MVU10-55PK	49429	12-10	0.110	1.105	0.25	0.135	0.55	0.250	—	500



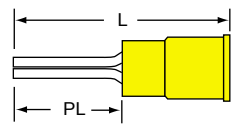
MVU18-47P

Wire Range 22-18



MVU14-47P

16-14

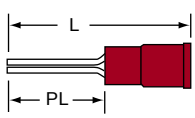


MVU10-55P

12-10

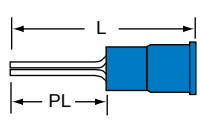
Pin Terminals – Nylon Insulated with Insulation Grip

Product Number†	UPC (054007-)	Wire Range (AWG)	Pin Diameter	L	Barrel Length	Barrel I.D.	PL	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-47PX	49428	22-18	0.080	0.93	0.25	0.070	0.47	0.145	100	500
MNG18-47PK	49425	22-18	0.080	0.93	0.25	0.070	0.47	0.145	—	1000
MNG14-47PX	49427	16-14	0.080	0.91	0.25	0.090	0.47	0.170	100	500
MNG14-47PK	49424	16-14	0.080	0.91	0.25	0.090	0.47	0.170	—	1000
MNG10-55PX	49426	12-10	0.110	1.105	0.25	0.135	0.55	0.250	50	500
MNG10-55PK	49423	12-10	0.110	1.105	0.25	0.135	0.55	0.250	—	500



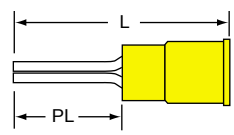
MNG18-47P

Wire Range 22-18



MNG14-47P

16-14



MNG10-55P

12-10

†Product Number ending in X = box; Product Number ending with K = bulk

Highland™ Bagged Terminals

Highland terminals, disconnects, and connectors are for use in the assembly and maintenance of electrical systems. Highland terminals offer effective and reliable performance in a variety of types of general applications.

Available in low quantity, reclosable bags Highland terminals are the optimal choice for smaller jobs.

Highland™ Rings – Non-Insulated

Product Number†	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
R10-6L	12-10	6	49892	50	5
R10-8L	12-10	8	70319	50	5
R10-8Q	12-10	8	70473	25	10
R10-10L	12-10	10	70320	50	5
R10-10Q	12-10	10	70474	25	10
R10-14L	12-10	1/4	70321	50	5
R10-14Q	12-10	1/4	70475	25	10
R14-4C	16-14	4	49896	100	5
R14-6C	16-14	6	70235	100	5
R14-6L	16-14	6	70322	50	10
R14-8C	16-14	8	70236	100	5
R14-8L	16-14	8	70323	50	10
R14-10C	16-14	10	70237	100	5
R14-10L	16-14	10	70324	50	10
R18-4C	22-18	4	49902	100	5
R18-6C	22-18	6	70238	100	5
R18-6L	22-18	6	70325	50	10
R18-8C	22-18	8	70239	100	5
R18-8L	22-18	8	70326	50	10
R18-10C	22-18	10	70240	100	5
R18-10L	22-18	10	70327	50	10

†Product Number ending in Q=25; L=50; C=100

Highland™ Rings – Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
RV10-6L	12-10	6	49893	50	5
RV10-8L	12-10	8	70328	50	5
RV10-8Q	12-10	8	70476	25	10
RV10-10L	12-10	10	70329	50	5
RV10-10Q	12-10	10	70477	25	10
RV10-14L	12-10	1/4	70330	50	5
RV10-14Q	12-10	1/4	70478	25	10
RV10-38L	16-14	3/8	70331	50	5
RV10-38Q	16-14	3/8	70479	25	10
RV10-516Q	16-14	5/16	49562	25	10
RV14-4C	16-14	4	49897	100	5
RV14-6C	16-14	6	70241	100	5
RV14-6L	16-14	6	70332	50	10
RV14-8C	16-14	8	70242	100	5
RV14-8L	16-14	8	70333	50	10
RV14-10C	16-14	10	70243	100	5
RV14-10L	16-14	10	70334	50	10
RV14-14C	16-14	1/4	70244	100	5
RV14-14L	16-14	1/4	70335	50	10
RV14-516L	16-14	5/16	49560	50	10
RV18-4C	22-18	4	49903	100	5
RV18-6C	22-18	6	70245	100	5
RV18-6L	22-18	6	70336	50	10
RV18-8C	22-18	8	70246	100	5
RV18-8L	22-18	8	70337	50	10
RV18-10C	22-18	10	70247	100	5
RV18-10L	22-18	10	70338	50	10
RV18-14C	22-18	1/4	70248	100	5
RV18-14L	22-18	1/4	70339	50	10
RV18-516L	22-18	5/16	49561	50	10

Highland Standard Forks – Non-Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
F10-8L	12-10	8	70269	50	5
F10-8Q	12-10	8	70454	25	10
F10-10L	12-10	10	70270	50	5
F10-10Q	12-10	10	70455	25	10
F14-6C	16-14	6	70211	100	5
F14-6L	16-14	6	70271	50	10
F14-8C	16-14	8	70212	100	5
F14-8L	16-14	8	70272	100	5
F14-10C	16-14	10	70213	100	5
F14-10L	16-14	10	70273	50	10

Highland™ Standard Forks – Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
FV10-6L	12-10	6	70287	50	5
FV10-6Q	12-10	6	70459	25	10
FV10-8L	12-10	8	70288	50	5
FV10-8Q	12-10	8	70460	25	10
FV10-10L	12-10	10	70289	50	5
FV10-10Q	12-10	10	70461	25	10
FV14-6C	16-14	6	70224	100	5
FV14-6L	16-14	6	70290	100	5
FV14-8C	16-14	8	70225	50	10
FV14-8L	16-14	8	70291	100	5
FV14-10C	16-14	10	70226	50	10
FV14-10L	16-14	10	70292	100	5

Highland Block Forks – Non-Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
BF10-6L	12-10	6	49890	50	5
BF10-8L	12-10	8	70249	50	5
BF10-8Q	12-10	8	70448	25	10
BF10-10L	12-10	10	70205	50	5
BF10-10Q	12-10	10	70449	25	10
BF14-6C	12-10	10	70197	100	5
BF14-6L	16-14	6	70251	50	10
BF14-8C	16-14	8	70198	100	50
BF14-8L	16-14	8	70252	50	10
BF14-10C	16-14	10	70199	100	5
BF14-10L	16-14	10	70253	50	10
BF18-6C	22-18	6	70200	100	5
BF18-6L	22-18	6	70254	50	10
BF18-8C	22-18	8	70201	100	5
BF18-8L	22-18	8	70255	50	10
BF18-10C	22-18	10	49898	100	5

Highland™ Block Forks - Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
BFV10-6L	12-10	6	49891	50	5
BFV10-8L	12-10	8	70256	50	5
BFV10-8Q	12-10	8	70450	25	10
BFV10-10L	12-10	10	70257	50	5
BFV10-10Q	12-10	10	70451	25	10
BFV14-6C	16-14	6	70202	100	5
BFV14-6L	16-14	6	70258	50	10
BFV14-8C	16-14	8	70203	100	5
BFV14-8L	16-14	8	70259	50	10
BFV14-10C	16-14	10	70204	100	5
BFV14-10L	16-14	10	70260	50	10
BFV18-6C	22-18	6	70205	100	5
BFV18-6L	22-18	6	70261	50	10
BFV18-8C	22-18	8	70206	100	5
BFV18-8L	22-18	8	70262	50	10
BFV18-10C	22-18	10	49899	100	5
BFV18-10L	22-18	10	41515	50	10

Highland Locking Forks – Non-Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
LF10-6Q	12-10	6	70462	25	10
LF10-8Q	12-10	8	70463	25	10
LF10-10Q	12-10	10	70464	25	10
LF10-14Q	12-10	14	70465	25	10
LF14-6L	16-14	6	70293	50	10
LF14-8L	16-14	8	70294	50	10
LF14-10L	16-14	10	70295	50	10
LF18-4L	22-18	4	70296	50	10
LF18-6L	22-18	6	70297	50	10
LF18-8L	22-18	8	70298	50	10

Highland Locking Forks – Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
LFV10-6Q	12-10	6	70466	25	10
LFV10-8Q	12-10	8	70467	25	10
LFV10-10Q	12-10	10	70468	25	10
LFV10-14Q	12-10	14	70469	25	10
LFV14-6L	16-14	6	70299	50	10
LFV14-8L	16-14	8	70300	50	10
LFV14-10L	16-14	10	70301	50	10
LFV18-4L	22-18	4	70302	50	10
LFV18-6L	22-18	6	70303	50	10
LFV18-8L	22-18	8	70304	50	10

Highland™ Butt Splices

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
BS10L	12-10	NA	70263	50	5
BS10Q	12-10	NA	70452	25	10
BS14L	16-14	NA	70207	100	5
BS14Q	16-14	NA	70264	50	10
BS18L	22-18	NA	70208	100	5
BS18Q	22-18	NA	70265	50	10

Highland Butt Splices – Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
BSV10L	12-10	NA	70263	50	5
BSV10Q	12-10	NA	70452	25	10
BSV14C	16-14	NA	70207	100	5
BSV14L	16-14	NA	70264	50	10
BSV18C	22-18	NA	70208	100	5
BSV18L	22-18	NA	70265	50	10

Highland Female Disconnects

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
FD10-250L	12-10	.250	70274	50	5
FD10-250Q	12-10	.250	70456	25	10

Highland Female Disconnects – Non-Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
FD14-187C	16-14	.187	49894	100	5
FD14-187L	16-14	.187	49895	50	10
FD14-250C	16-14	.250	70214	100	5
FD14-250L	16-14	.250	70275	50	10
FD18-187C	22-18	.187	49900	100	5
FD18-187L	22-18	.187	49901	50	10
FD18-250C	22-18	.250	70216	100	5
FD18-250L	22-18	.250	70276	50	10

Highland™ Female Disconnects – Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
FDV10-250L	12-10	.250	70282	50	5
FDV10-250Q	12-10	.250	70458	25	10
FDV14-187C	16-14	.187	70220	100	5
FDV14-187L	16-14	.187	70283	50	10
FDV14-250C	16-14	.250	70221	100	5
FDV14-250L	16-14	.250	70284	50	10
FDV18-187C	22-18	.187	70222	100	5
FDV18-187L	22-18	.187	70285	50	10
FDV18-250C	22-18	.250	70223	100	5
FDV18-250L	22-18	.250	70286	50	10

Highland Female Disconnects – Nylon Fully Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
FDI10-250L	12-10	.250	70277	50	5
FDI10-250Q	12-10	.250	70457	25	10
FDI14-187C	16-14	.187	70216	100	5
FDI14-187L	16-14	.187	70278	50	10
FDI14-250C	16-14	.250	70217	100	5
FDI14-250L	16-14	.250	70279	50	10
FDI18-187C	22-18	.187	70218	100	5
FDI18-187L	22-18	.187	70280	50	10
FDI18-250C	22-18	.250	70219	100	5
FDI18-250L	22-18	.250	70281	50	10

Highland Male Tabs – Non-Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
MT10-250Q	12-10	.250	70470	25	10
MT14-187L	16-14	.187	70305	50	10
MT14-250L	16-14	.250	70306	50	10
MT18-187L	22-18	.187	70307	50	10
MT18-250L	22-18	.250	70308	50	10

Highland™ Male Tabs – Nylon Fully Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
MTI10-250L	12-10	.250	70309	50	5
MTI10-250Q	12-10	.250	70471	25	10
MTI14-187C	16-14	.187	70227	100	5
MTI14-187L	16-14	.187	70310	50	10
MTI14-250C	16-14	.250	70228	100	5
MTI14-250L	16-14	.250	70311	50	10
MTI18-187C	22-18	.187	70229	100	5
MTI18-187L	22-18	.187	70312	50	10
MTI18-250C	22-18	.250	70230	100	5
MTI18-250L	22-18	.250	70313	50	10

Highland Male Tabs – Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
MTV10-250L	12-10	.250	70314	50	5
MTV10-250Q	12-10	.250	70472	25	10
MTV14-187C	16-14	.187	70231	100	5
MTV14-187L	16-14	.187	70315	50	10
MTVI14-250C	16-14	.250	70232	100	5
MTV14-250L	16-14	.250	70316	50	10
MTV18-187C	22-18	.187	70233	100	5
MTV18-187L	22-18	.187	70317	50	10
MTV18-250C	22-18	.250	70234	100	5
MTV18-250L	22-18	.250	70318	50	10

Highland Snap Plugs – Vinyl Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
SPV14-156L	16-14	.156	70340	50	10
SPV18-156L	22-18	.156	70343	50	10

Highland Snap Receptacles – Nylon Fully Insulated

Product Number	Wire Range	Stud or Tab Size	UPC (054007-)	Terminals/Bag	Bags/Case
SRI14-156L	16-14	.156	70340	50	10
SRI18-156L	22-18	.156	70341	50	10

Solder Splice Connectors

3M™ SSC 200x Solder Splice Connector

Shrink Ratio 3:1
The 3M SSC 200x Series Solder Splice Connector is an ingenious, patented design. It is a one-piece splice insulated with a flame-retardant, heat-shrinkable sleeve of 3M's new flexible THV fluoropolymer. THV offers outstanding clarity of the clear insulating sleeve. It allows easy inspection of the connection. Inside the sleeve are colored thermoplastic sealing dams and a wire-locking barrel with a fluxed solder disk. Size color-coding is provided through the colored insert dams.

The SSC 200x Series Solder Splice Connector, in four sizes, is ideal for harness fabrication in a variety of industries: aerospace and military, marine, automotive, appliance, and outdoor electrical wiring.

UL Recognized component.

3M SSC 200x Connectors

Product Number	Color	UPC (051138-)	AWG* Wire Size	Heating Time@700°C	Inner Pack	Case Qty.
SSC 2000 (boxed)	White	46596	28-20	9 seconds	25	250
(bulk)		46597		9 seconds	—	1,000
SSC 2001 (boxed)	Red	40310	22-14	11 seconds	25	250
(bulk)		40395		11 seconds	—	1,000
SSC 2002 (boxed)	Blue	40311	20-10	15 seconds	25	250
(bulk)		40394		15 seconds	—	500
SSC 2003 (boxed)	Yellow	40312	16-8	†	25	250
(bulk)		40393			—	250

*Single-wire to single-wire connection
†Heating times for the Research Inc. Tube Toaster Model 4815. Heat gun air temperatures over 700°F (370°C) may cause electrical insulation failure and should be avoided. *It is not recommended to heat the SSC 2003 in the Tube Toaster Model 4815.*

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3M SSC 100x Solder Splice Connector

Shrink Ratio 3:1
The 3M SSC 100x Series Solder Splice Connector is a simple, one-piece design. The outer layer is a tube of color-coded translucent, polyolefin heat-shrinkable tubing lined with hot melt sealant, which provides both insulation and a moisture seal, and allows easy inspection of the solder connection. Inside the tubing is a wire-locking metal barrel that holds a fluxed solder disk.

The SSC 100x Series, in four color-coded sizes, is ideal for harness fabrication in a variety of industries: marine, automotive, appliance and outdoor electrical wiring.

UL Recognized component.

3M SSC 100x Connectors

Product Number	Color	UPC (051138-)	AWG Wire Size	Heat Gun Time@345°C	Box Qty.	Case Qty.
SSC 1000 (boxed)	Clear	52719	28–20	30 seconds	25	250
(bag)	Clear	46980	28–20	30 seconds	–	1,000
SSC 1001 (boxed)	Red	46598	24–14	40 seconds	25	250
(bag)	Red	47827	24–14	40 seconds	–	1,000
SSC 1002 (boxed)	Blue	46600	22–10	70 seconds	25	250
(bag)	Blue	47828	22–10	70 seconds	–	500
SSC 1003 (boxed)	Yellow	46602	20–8	140 seconds	25	250
(bag)	Yellow	47829	20–8	140 seconds	–	250

†*Product Number ending in X = box; Product Number ending with K = bulk*

Kits

Scotchlok™ STK-1 Terminal Kit (Filled)

26

The Scotchlok Terminal Kit is filled with 3M's most frequently purchased low voltage termination products, including 14 of our most popular terminals.

The STK-1 is constructed of durable metal with individual product compartments. While the compartments keep you organized, the rugged metal frame protects the contents even in the harshest environment. Overall box size is 13-3/4" L x 10" W x 2-1/2" H.

Product	UPC (051138-)	Color	Boxes/ Bag	Boxes/ Case
Scotchlok STK-1 Terminal Box	25348	Red	N/A	1

Contents of STK-1	Qty.
Scotchlok TH-440 Crimping Tool	1
ScotchCode™ SPD-0-9 Tape Dispenser	1
3M™ 06225 Cable Ties	100
3M 06226 Cable Ties	100
Highland™ RV18-6 Ring Tongue Terminal	50
Highland RV18-8 Ring Tongue Terminal	50
Highland RV14-6 Ring Tongue Terminal	50
Highland RV14-8 Ring Tongue Terminal	50
Highland RV14-10 Ring Tongue Terminal	50
Highland RV10-10 Ring Tongue Terminal	25
Highland BFV14-8 Block Fork Terminals	50
Highland BFV14-10 Block Fork Terminals	50
Highland BFV18-8 Block Fork Terminals	50
Highland BFV18-6 Block Fork Terminals	50
Highland BSV18 Butt Connectors	50
Highland BSV14 Butt Connectors	50
Highland BSV10 Butt Connectors	25
Highland FDV14-250 Female Disconnects	50

Scotchlok Heat Shrink Terminal Box (Empty)

27

This rugged metal case with customized interior of molded plastic has 20 individual terminal compartments and one large crimp tool compartment. Order contents separately. Overall box size is 13-3/4" L x 10" W x 2-1/2" H.

Product	UPC (054007-)	Color	Boxes/ Bag	Boxes/ Case
Scotchlok Heat Shrink Terminal Box	09966	Red	1	6

Note: Box only

Scotchlok Steel Terminal Box (Empty)

28

This metal case with plastic insert tray is divided into 14 terminal compartments, one tool compartment and two miscellaneous compartments. Order contents separately. Overall box size is 13-3/4" L x 10" W x 2-1/2" H.

Product	UPC (054007-)	Color	Boxes/ Bag	Boxes/ Case
Scotchlok Steel Terminal Box	11900	Red	1	6

Note: Box only

Scotchlok Plastic Terminal Box (Empty)

29

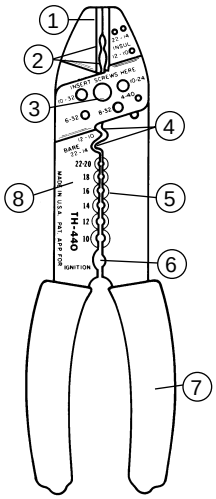
This is a plastic organizing box for terminals. It is divided into 13 compartments, including one size to hold a crimping tool. Order contents separately. Overall box size is 11" L x 7" W x 1-3/4" H.

Product	UPC (054007-)	Color	Boxes/ Bag	Boxes/ Case
Scotchlok Plastic Terminal Box	02351	Yellow	1	24

Note: Box only

Tools

TH-440 Scissors Style



A compact, high-quality tool designed to perform the six most common electrical wiring functions.

- Made of 1.125" (28,57 mm) heat-treated carbon steel
- Handles a variety of terminal and connector styles, insulated and non-insulated
- Range of 22–10 AWG
- 3M Terminals and Connectors are UL Listed and CSA Certified when used with the TH-440

Features:

1. Anvil-type wire cutter for clean cuts.

2. Crimp dies for 22–10 AWG insulated terminals, connectors and closed-end connectors.

3. Cut-off dies for mild steel and non-ferrous screws.

4. Crimp dies for 22–10 AWG non-insulated terminals and connectors.

5. Wire stripping stations for circumferencial cut-less effort.

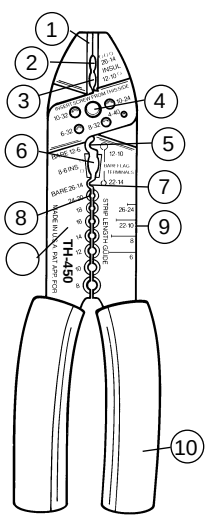
6. Crimp die for 7 and 8 mm ignition parts.

7. Cushioned, vinyl grips, red.

For specific tooling applications, refer to the smallest unit container or the Tool Selection Guides in the Appendix.

Product (add package code when ordering)	UPC (054007-)	Wire Range	Tools/ Carton	Tools/ Case
TH-440	60825	22-10	1	10

TH-450 Scissors Style



The most versatile heavy-duty tool we've ever offered.

- Made of 1.40" (35,5 mm) high-strength, heat-treated carbon steel
- Tool is lightweight without sacrificing strength
- Handles a variety of terminal and conductor styles, including flags, closed-end connectors, crimp sleeves and standard parts, insulated and non-insulated
- Range of 26–6 AWG
- 3M Terminals and Connectors are UL Listed and CSA Certified when crimped with the TH-450

Features:

1. Anvil-type wire cutter.

2–3. Crimp dies for 26–10 AWG insulated terminals and closed-end connectors.

4. Cut-off dies for mild steel and non-ferrous screws.

5. Crimp dies for 12–6 AWG non-insulated terminals, connectors, flags, disconnects, crimp sleeves and high-temperature terminals.

6. Crimp dies for 6–8 AWG insulated terminals and butt connectors.

7. Crimp die for 26–14 AWG non-insulated terminals, connectors, flags, disconnects and crimp sleeves.

8. Wire-stripping stations for circumferencial cut-less effort.

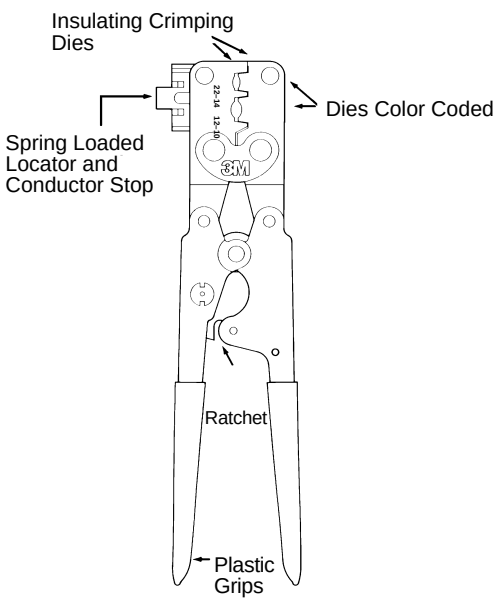
9. Strip length guide.

10. Textured, cushioned grips, red.

For specific tooling applications, refer to the smallest unit container or the Tool Selection Guides in the Appendix.

Product (add package code when ordering)	UPC (054007-)	Wire Range	Tools/ Carton	Tools/ Case
TH-450	13760	26-6	1	10

TR-482 Ratchet



Tool Capability:
Crimps barrel and insulation grip simultaneously on No. 22–10 AWG (0,35–6,0 mm²) insulated terminals and connectors: will crimp nylon or vinyl insulated, butted or brazed seam terminals and connectors.

Crimping Dies:
No. 22–14 AWG (0,35–2,5 mm²) red and blue color coded.
No. 12–10 AWG (4,0–6,0 mm²) yellow color coded.

Field Re-calibration: Calibration of ratchet can be accomplished in the field. See calibration and maintenance instructions packaged with the tool.

Terminal Locator: Spring loaded locator orients, positions and holds terminals and connectors.

Conductor Stop: Provides proper insertion of conductor in the terminal barrel.

Positive Closure: Ratchet requires full closure of handles to ensure proper crimp.

Materials and Finish: Hardened steel jaws and handles with corrosion resistant finish.

Weight: 1.1 lbs.

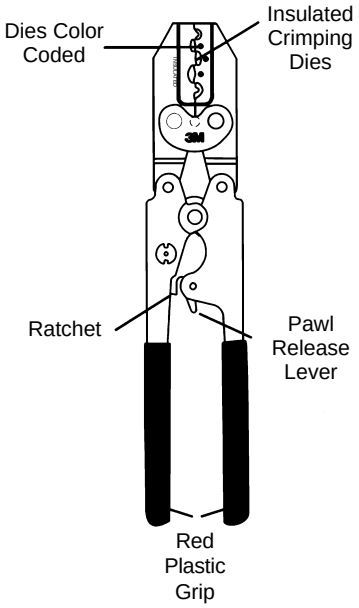
Grip: Plastic, red color.

Specifications:
Insulated terminals from 22–10 AWG shall be crimped with a positive action ratchet tool and be UL Listed with that tool. The dies shall be of a smooth, contour shape and crimp the conductor barrel and insulation grip simultaneously. The tool shall have a locator which will orient the terminal, position the terminal for crimping, hold the terminals in place, and act as a wire stop. The tool shall be compound lever type with a ratchet mechanism to insure positive closure for full crimping cycle. The tool shall be capable of field adjustment to proper calibration with common tools and materials specified in the maintenance and calibration section of the instruction booklet provided with the tool. The manufacturer shall provide a guide for maintenance procedure and instructions to field inspect for specified die gaps. Jaws shall be hardened steel and coated with a corrosion resistant finish. Tool shall be a Scotchlok™ TR-482.

3M™ Terminals and Connectors are UL Listed and CSA Certified with the TR-482. For specific tooling information, see Tool Selection Guide in the Appendix.

Product	UPC (054007-)	Wire Range	Tools/ Carton	Tools/ Case
TR-482	11902	22-10	1	10

TR-490 Ratchet



Tool Capability:
Crimps barrel and insulation grip independently on No. 22–10 AWG (0,35–6,0 mm²) insulated and non-insulated terminals and connectors: nylon or vinyl insulated, butted or brazed seam.

Crimping Dies:
Insulated No. 22–18 AWG (0,35–0,97 mm²) red color coded.
Insulated no. 16–14 AWG (1,3–25 mm²) blue color coded.
Insulated No. 12–10 AWG (4,0–6,0 mm²) yellow color coded.
Non-Insulated No. 22–14 AWG (0,35–2,5 mm²).
Non-Insulated No. 12–10 (4,0–6,0 mm²).

Field Re-calibration: Calibration adjustment of ratchet can be accomplished in the field. See calibration and maintenance instructions packaged with the tool.

Positive Closure: Ratchet requires full closure of handles to ensure proper crimp. Ratchet release lever allows removal of misplaced terminals.

Materials and Finish: Hardened steel jaws and handles with corrosion resistant finish.

Weight: 0.8 lbs.

Grip: Plastic, red color.

Specifications:
Non-insulated and insulated terminals and connectors from 22–10 AWG shall be crimped with a positive action (ratchet) tool and be UL Listed with that tool. Non-insulated die shall be of an indent shape and insulated die shall be of a flat, smooth shape capable of crimping pre-insulated vinyl and nylon terminals and connectors. Dies shall be marked with the appropriate wire range and insulated dies shall be color coded: red for 22–18 AWG, blue for 16–14 AWG, and yellow for 12–10 AWG. The tool shall be compound lever type with a ratchet mechanism to insure positive closure for full crimping cycle. Tool shall be capable of field adjustment to proper calibration with common tools and materials specified in the maintenance and calibration section of the instruction booklet provided with the tool. The manufacturer shall provide a guide for maintenance procedure and instructions to field inspect for specified die gaps. Jaws shall be hardened steel and coated with a corrosion resistant finish. Tool shall be a 3M Scotchlok TR-490.

3M Terminals and Connectors are UL Listed and CSA Certified with the TR-490. For specific tooling information, see Tool Selection Guide in the the Appendix.

Product	UPC (054007-)	Wire Range	Tools/ Carton	Tools/ Case
TR-490	70481	22-10	1	10

Tools for Scotchlok™ Butt, Fork and Ring Terminals

			Ratchet Tools					Sargent Air Tool No. 5560 PC
			Scissor Tools		3M		Sargent	Die Number
Wire Range	Terminal Barrel Prefix	Style	3M TH-440	3M TH-450	TR-482	TR-490	3140-CT	3140-50CH
22–18	M18– & MU18–	Bare	•	•		•		
22–18	MV18– & MVU18–	Vinyl	•	•	•	•	•	•
22–18	MN18–	Nylon	•	•	•	•	•	•
22–18	MNG18–	Nylon w/Grip	•	•	•	•	•	•
16–14	M14– & MU14–	Bare	•	•		•		
16–14	MV14– & MVU14–	Vinyl	•	•	•	•	•	•
16–14	MN14–	Nylon	•	•	•	•	•	•
16–14	MNG14–	Nylon w/Grip	•	•	•	•	•	•
16–12	M12– & MU12–	Bare	•	•		•		
16–12	MV12– & MVU12–	Vinyl	•	•	•	•	•	•
16–12	MNG12–	Nylon w/Grip	•	•	•	•	•	•
12–10	M10– & MU10–	Bare	•	•		•		
12–10	MV10– & MVU10–	Vinyl	•	•	•	•	•	•
12–10	MN10–	Nylon	•	•	•	•	•	•
12–10	MNG10–	Nylon w/Grip	•	•	•	•	•	•
8	M8–	Bare		•				
8	MV8–(BUTTS)	Vinyl		•				
8	MN8–(RINGS)	Nylon		•				
6	M6–	Bare		•				

Note: MU18–, MU14–, MU10–/FLAG UL Listed and CSA Certified with TH-450 only.
Rings (for #8 stud): –8R, –8R/L, –8R/S
Rings (for #10 stud): –10R
Forks (for #8 stud): –8F, –8FB, –8FFB, –8FL
Butts (no stud): BC

Tools for 3M Disconnects

			Scissor Tools		Ratchet Tools	
			3M		3M	
Wire Range	Terminal Barrel Prefix	Style	TH-440	TH-450	TR-490	TR-482
22–18	MU18–	Bare	•	•	•	
22–18	MVU18–	Vinyl	+	+	250 Male	250 Male
22–18	MNG18–	Nylon w/Grip	•	•	•	•
22–18	MNU18–	Nylon	•	•	•	•
16–14	M14–	Bare	•	•	Not 187 Female	
16–14	MVU14–	Vinyl			250 Male	250 Male
16–14	MNG14–	Nylon w/Grip	•	•	•	•
16–14	MNU14–	Nylon	•	•	•	•
12–10	MU10–	Bare	•	•	•	
12–10	MUG10–	Bare w/Grip	•	•	•	
12–10	MVU10–	Vinyl	•/UL	•/UL	250 Male/ UL	250 Male/ UL
12–10	MNG10–	Nylon w/Grip	•	•	250 Male*	•
12–10	MNU10–	Nylon	•	•	250 Male	•

MU18–, MU14–/FLAG UL Listed and CSA Certified with TH-450 only.
UL and CSA coverage includes 187 and 250 Quick Connects.
0.187 Quick-Connect: –187DF, –187DM, –187DMI
0.250 Quick-Connect: –250DF, –250DFI, –250DMI
Note: There are no competitor tools listed for use with 3M Disconnects.
+250 male, CSA; male & female UL
* The TR-482 Ratchet Tool can be used with this product.

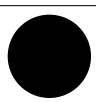
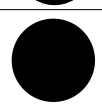
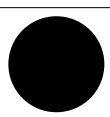
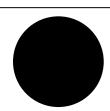
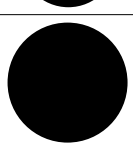
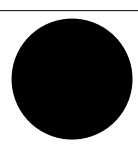
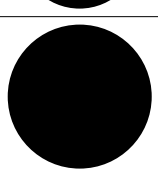
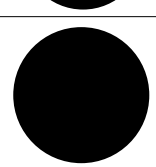
Other Tools for Scotchlok™ Butt, Fork, Ring Terminals

			Scissor Tools				Ratchet Tools			Toggle Tools			
Wire Range	Terminal Barrel Prefix	Style	T&B WTIIIM	T&B WT2000	AMP Champ III	Ideal 429	T&B WT-145C	T&B WT-2130	T&B WT-1455	T&B WT-115A	Burndy MY 29-3	T&B WT-117	M-R H-20
22–18	M18– & MU18–	Bare	•	•	•	•							
22–18	MV18– & MVU18–	Vinyl		•		•	•		•				
22–18	MN18–	Nylon			•	•			•				
22–18	MNG18–	Nylon w/Grip		•	•	•	•		•				
22–18	MU18–/FLAG	Bare	•	•		•							
16–14	M14– & MU14–	Bare	•	•	•	•							
16–14	MV14– & MVU14–	Vinyl				•							
16–14	MN14–	Nylon		•	•	•			•				
16–14	MNG14–	Nylon w/Grip		•	•	•	•		•				
16–14	MU14–/FLAG	Bare	•	•	•	•							
16–12	M12– & MU12–	Bare	•	•	•	•							
16–12	MV12– & MVU12–	Vinyl		•		•	•	•	•				
16–12	MNG12–	Nylon w/Grip		•	•	•	•	•	•				
12–10	M10– & MU10–	Bare	•	•	•	•							
12–10	MV10– & MVU10–	Vinyl		•		•	•	•	•				
12–10	MN10–	Nylon		•	•	•		•	•				
12–10	MNG10–	Nylon w/Grip		•	•	•	•	•	•				
12–10	MX10–/FLAG	Bare		•	•	•							
8	M8–	Bare								•	•	(11822)	(H-20F)
8	MV8–(BUTTS)	Vinyl						•				•	
8	MN8–(RINGS)	Nylon							•			•	•
6	M6–	Bare								•	•	(11823)	(H-20F)
6	MV6–(BUTTS)	Vinyl										•	•
6	MN6–(RINGS)	Nylon										•	•
4	M4–	Bare								•	•	(11824)	(H-20F)
4	MV4–(BUTTS)	Vinyl										•	
4	MN4–(RINGS)	Nylon										•	•

Specific Die Number for T & B WT-117 and M-R H-20 shown in parenthesis in tool column.
Rings (for #10 stud): –10R
Butts (no stud): BC
Note: There are no competitor scissor or ratchet hand tools that work with 3M disconnects.

†*Product Number ending in X = box; Product Number ending with K = bulk*

Terminal Stud Size Chart

Stud Size						3M Terminal Hole Diameter
US/Inches		Diameter	OUS/Metric		Diameter	
#2		0.086" (2,144 mm)	M2		2,0 mm (0.080")	0.095" (2,4 mm)
#4		0.112" (2,844 mm)	M2,5		2,5 mm (0.100")	0.120" (3,0 mm)
#5		0.125" (3,175 mm)	M3		3,0 mm (0.120")	0.148" (3,8 mm)
#6		0.138" (3,505 mm)	M3,5		3,5 mm (0.140")	0.148" (3,8 mm)
#8		0.164" (4,166 mm)	M4		4,0 mm (0.176")	0.174" (4,4 mm)
#10		0.190" (4,826 mm)	M5		5,0 mm (0.20")	0.200" (5,1 mm)
1/4		0.250" (6,350 mm)	M6		6,0 mm (0.24")	0.265" (6,7 mm)
5/16		0.3125" (7,938 mm)	M8		8,0 mm (0.32")	0.328" (8,3 mm)
3/8		0.375" (9,525 mm)	M10		10,0 mm (0.40")	0.397" (10,1 mm)
7/16		0.4375" (11,113 mm)	M10		10,0 mm (0.48")	0.450" (11,4 mm)
1/2		0.500" (12,700 mm)	M12		12,0 mm (0.48")	0.515" (13,1 mm)
5/8		0.625" (15,875 mm)	M16		16,0 mm (0.64")	0.656" (16,7 mm)
3/4		0.750" (19,050 mm)	M18		18,0 mm (0.72")	0.781" (19,8 mm)

Ref: ISO 263-1973 for inch stud sizes and ISO 262-1973 for metric stud sizes.

American Wire Gauge

Size	Inches	Millimeters
4/0	0.4600	11,684
3/0	0.4096	10,040
2/0	0.3648	9,266
1/0	0.3249	8,253
1	0.2893	7,347
2	0.2576	6,543

Size	Inches	Millimeters
4	0.2043	5,189
6	0.1620	4,115
8	0.1285	3,264
10	0.1019	2,588
12	0.0808	2,052
14	0.0641	1,628

Size	Inches	Millimeters
16	0.0508	1,290
18	0.0403	1,024
20	0.0320	0,813
22	0.0253	0,643
24	0.0201	0,511
26	0.0159	0,404

Phone 800/245 3573 Fax 800/245 0329

Lugs and Connectors

- **Copper Connectors** pg. 130
- **Copper/Aluminum Connectors** pg. 131
- **Copper Lugs** pg. 132
- **Copper/Aluminum Lugs** pg. 134
- **CI Series Connectors** pg. 136
- **CIR Series Connectors** pg. 137
- **Oil Seal Lugs** pg. 138
- **SC Series Stem Connectors** pg. 138
- **2000T Series Connectors** pg. 140

Scotchlok™ Lugs and Connectors are crimp connectors for power cable conductors. These connectors are used when splicing and terminating power cable.

Scotchlok 10000 and 11000 Series Connectors and 30000 and 31000 Series Lugs

The Scotchlok 10000 and 11000 Series Connectors, and the 30000 and 31000 Series Lugs are used on copper conductors only. They are available in standard or long barrel designs and are constructed of one-piece, seamless high-conductivity copper. (UL 486A Listed).

Scotchlok 20000 Series Connectors and 40000 Series Lugs

The Scotchlok 20000 Series Connectors and 40000 Series Lugs are for use with either copper or aluminum conductors. These aluminum connectors and lugs feature color coded end caps for identification. Contact aid provided in connector and lug barrels is compatible with poly/EPR insulations. (UL 486B Listed).

3M™ CI Series Connectors

3M CI Series Connectors are for splicing applications on aluminum or copper cable conductors. The CI Series aluminum connectors are specially designed for use with 3M QS-I, QS-II and QS-III pre-molded power cable splice bodies. These connectors meet the requirements of ANSI C119.4.

3M SC Series Aerial Stem Connectors

3M SC Series Aerial Stem Connectors feature an aluminum barrel for installations on either copper or aluminum cable conductors and are used when connecting a riser cable to an overhead line. The SC series connectors are also used when terminating an insulated power cable with 3M terminations. The SC series connector is provided with a factory crimped and sealed copper stem for aerial line connection.

3M OS Series Lugs

3M OS Series Lugs are copper lugs that feature a solid oil stop. These lugs are for copper conductors only and are used with 3M 5800-Pb series terminations on paper-insulated lead covered (PILC) cables.

3M CIR Series Connectors

3M CIR Series Connectors are specially designed for use with 3M QS-II Repair Splice Kits. They are aluminum connectors for use on aluminum or copper cable conductors. When used with the appropriate splice kit, these connectors allow up to 6" (152 mm) of damaged cable conductor to be removed, eliminating the need to splice in a new section of cable. CIR series connectors meet the requirements of ANSI C119.4.

Scotchlok 2000T Series

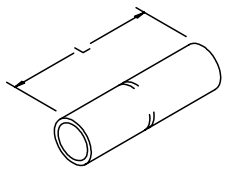
The Scotchlok 2000T series offers three solutions for your copper and/or aluminum connecting needs for PILC power cable. The Scotchlok 2000T-CU Series Connectors are copper inline sleeves that are for use with copper conductor cables of the same size when connecting copper cable to copper cable only. When you need a product that connects copper and aluminum cables use the Scotchlok 2000T-CU/AL Series Connectors. These connectors feature aluminum inline sleeves that can be used with aluminum or copper conductor cables of the same size. For connecting cables of different sizes and types, the Scotchlok 2000T Reducer Series is your answer. They are aluminum inline sleeves that are applicable for both aluminum and copper conductors, and because the barrel diameters at the connector ends are different, it allows connecting conductors of different size. All connectors in the 2000T series feature a solid center oil stop.

Features — Advantages — Benefits

Scotchlok Lugs and Connectors

Simple installation using readily available tools	Standard crimping tools	UL Listed for use with a variety of manufacturers' tools
Entrance chamfers	Guide cable into crimp area	Facilitate cable insertion

Specifications and Ordering Information for Scotchlok™ 10000 Series Copper Connectors-Standard-Barrel up to 35 kV

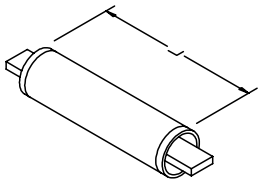


Product Number	UPC (054007-)	Color Code	Wire Size	Dimensions I.D.	Dimensions O.D.	Dimensions L	Minimum Order Case Qty.
10001	12717	Blue	6 AWG	0.196" (5,0 mm)	0.290" (7,3 mm)	1.750" (44,4 mm)	50 each
10002	12725	Gray	4 AWG	0.247" (6,2 mm)	0.340" (8,6 mm)	1.750" (44,4 mm)	50 each
10003	12733	Brown	2 AWG	0.307" (7,8 mm)	0.416" (10,6 mm)	1.880" (47,6 mm)	25 each
10004	12758	Green	1 AWG	0.358" (9,1 mm)	0.462" (11,7 mm)	1.880" (47,6 mm)	10 each
10005	12766	Pink	1/0 AWG	0.394" (10,0 mm)	0.512" (13,0 mm)	1.880" (47,6 mm)	10 each
10006	12774	Black	2/0 AWG	0.439" (11,2 mm)	0.560" (14,2 mm)	2.000" (50,8 mm)	10 each
10007	12790	Orange	3/0 AWG	0.490" (12,4 mm)	0.617" (15,7 mm)	2.130" (54,0 mm)	10 each
10008	12816	Purple	4/0 AWG	0.548" (13,9 mm)	0.687" (17,4 mm)	2.130" (54,0 mm)	10 each
10009	12832	Yellow	250 kcmil	0.595" (15,1 mm)	0.750" (19,1 mm)	2.250" (57,2 mm)	3 each
10010	12857	White	300 kcmil	0.650" (16,5 mm)	0.813" (20,7 mm)	2.250" (57,2 mm)	3 each
10011	12873	Red	350 kcmil	0.700" (17,8 mm)	0.875" (22,2 mm)	2.380" (60,4 mm)	3 each
10014	12899	Brown	500 kcmil	0.836" (21,2 mm)	1.060" (27,0 mm)	2.880" (73,0 mm)	3 each
10019	12915	—	750 kcmil	1.031" (26,2 mm)	1.299" (33,0 mm)	3.380" (85,8 mm)	3 each
10024	12931	—	1000 kcmil	1.173" (29,8 mm)	1.500" (38,1 mm)	3.880" (98,4 mm)	3 each

Specifications and Ordering Information for Scotchlok 11000 Series Copper Connectors-Long-Barrel up to 35 kV

Product Number	UPC (054007-)	Color Code	Wire Size	Dimensions I.D.	Dimensions O.D.	Dimensions L	Minimum Order Case Qty.
11006	12782	Black	2/0 AWG	0.439" (11,2 mm)	0.560" (14,2 mm)	3.130" (79,4 mm)	10 each
11007	12808	Orange	3/0 AWG	0.490" (12,4 mm)	0.617" (15,7 mm)	3.130" (79,4 mm)	10 each
11008	12824	Purple	4/0 AWG	0.548" (13,9 mm)	0.687" (17,4 mm)	3.380" (85,8 mm)	10 each
11009	12840	Yellow	250 kcmil	0.595" (15,1 mm)	0.750" (19,1 mm)	3.380" (85,8 mm)	3 each
11010	12865	White	300 kcmil	0.650" (16,5 mm)	0.813" (20,7 mm)	4.130" (104,8 mm)	3 each
11011	12881	Red	350 kcmil	0.700" (17,8 mm)	0.875" (22,2 mm)	4.130" (104,8 mm)	3 each
11014	12907	Brown	500 kcmil	0.836" (21,2 mm)	1.060" (27,0 mm)	4.630" (117,5 mm)	3 each
11019	12923	—	750 kcmil	1.031" (26,2 mm)	1.299" (33,0 mm)	5.880" (149,2 mm)	3 each
11024	12949	—	1000 kcmil	1.173" (29,8 mm)	1.500" (38,1 mm)	6.130" (155,6 mm)	3 each

Specification and Ordering Information for Scotchlok™ 20000 Series Copper/Aluminum Connectors-(AL9CU) up to 35 kV



Product Number	UPC (054007-)	Color Code	Wire Size	Dimensions I.D.	Dimensions O.D.	Dimensions L	Minimum Order Case Qty.
20001	13236	Gray	6 kcmil	0.200" (5,1 mm)	0.344" (8,8 mm)	1.620" (41,1 mm)	50 each
20002	13244	Green	4 AWG	0.265" (6,7 mm)	0.468" (11,8 mm)	1.880" (47,8 mm)	50 each
20003	13251	Pink	2 AWG	0.307" (7,8 mm)	0.531" (13,5 mm)	2.000" (50,8 mm)	25 each
20004	13269	Gold	1 AWG	0.350" (8,9 mm)	0.531" (13,5 mm)	2.000" (50,8 mm)	10 each
20005	13277	Tan	1/0 AWG	0.414" (10,5 mm)	0.640" (16,3 mm)	2.120" (53,8 mm)	10 each
20006	13285	Olive	2/0 AWG	0.439" (11,2 mm)	0.687" (17,4 mm)	2.310" (58,7 mm)	10 each
20007	13293	Ruby	3/0 AWG	0.484" (12,3 mm)	0.760" (19,3 mm)	2.620" (66,5 mm)	10 each
20008	13301	White	4/0 AWG	0.562" (14,3 mm)	0.875" (22,2 mm)	2.750" (69,9 mm)	10 each
20009	13319	Red	250 kcmil	0.594" (15,1 mm)	0.906" (23,0 mm)	2.940" (74,7 mm)	3 each
20010	13327	Dark Blue	300 kcmil (150 mm^2)	0.650" (16,5 mm)	1.010" (25,6 mm)	3.120" (79,2 mm)	3 each
20011	13335	Brown	350 kcmil	0.720" (18,3 mm)	1.105" (28,1 mm)	3.380" (85,9 mm)	3 each
20012	13343	Green	400 kcmil	0.760" (19,3 mm)	1.187" (30,1 mm)	3.750" (95,3 mm)	3 each
20014	13350	Pink	500 kcmil	0.843" (21,4 mm)	1.320" (33,5 mm)	3.880" (98,6 mm)	3 each
20016	13368	Black	600 kcmil	0.923" (23,4 mm)	1.430" (36,3 mm)	4.120" (104,6 mm)	3 each
20019	13376	Yellow	750 kcmil	1.031" (26,2 mm)	1.594" (40,5 mm)	4.620" (117,3 mm)	3 each
20020	13384	Light Blue	800 kcmil	1.051" (26,7 mm)	1.655" (42,0 mm)	4.750" (120,7 mm)	3 each
20024	13392	White	1000 kcmil (500 mm^2)	1.193" (30,3 mm)	1.843" (46,8 mm)	5.250" (133,4 mm)	3 each

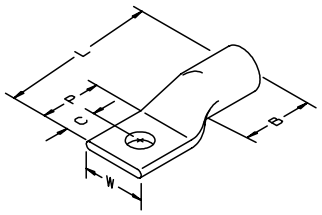
Product Referral Generator

Cold Shrink Splicing . . . . . .pg. 231
– 5750 & 5760 Series
– 8420 Series

Tape Splicing . . . . . .pg. 231
– 5700 Series

Resin Splicing . . . . . .pg. 231
– 82-A Series
– 82-F Series

Specification and Ordering Information for Scotchlok™ 30000 Series Copper Lugs-One Hole up to 35 kV



Product Number	UPC (054007-)	Color Code	Standard Wire Size	Stud Size	Dimensions						Minimum Order Case Qty.
					I.D.	L	B	W	P	C	
30014	12410	Blue	6 AWG	10" (5 mm)	0.196" (5,0 mm)	1.780" (45,2 mm)	0.750" (19,1 mm)	0.500" (12,7 mm)	0.750" (19,1 mm)	0.375" (9,5 mm)	50 each
30015	12428	Blue	6 AWG	1/4" (6 mm)	0.196" (5,0 mm)	1.780" (45,2 mm)	0.750" (19,1 mm)	0.500" (12,7 mm)	0.750" (19,1 mm)	0.375" (9,5 mm)	50 each
30016	12436	Blue	6 AWG	5/16" (8 mm)	0.196" (5,0 mm)	1.780" (45,2 mm)	0.750" (19,1 mm)	0.435" (11,0 mm)	0.750" (19,1 mm)	0.375" (9,5 mm)	50 each
30018	12444	Gray	4 AWG	10" (5 mm)	0.247" (6,3 mm)	1.940" (49,3 mm)	0.750" (19,1 mm)	0.485" (12,3 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	50 each
30019	12451	Gray	4 AWG	1/4" (6 mm)	0.247" (6,3 mm)	1.940" (49,3 mm)	0.750" (19,1 mm)	0.485" (12,3 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	50 each
30021	12469	Gray	4 AWG	3/8" (10 mm)	0.247" (6,3 mm)	1.940" (49,3 mm)	0.750" (19,1 mm)	0.590" (15,1 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	50 each
30022	12477	Brown	2 AWG	1/4" (6 mm)	0.307" (7,8 mm)	1.970" (50,0 mm)	0.810" (20,7 mm)	0.630" (15,9 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	25 each
30023	12485	Brown	2 AWG	5/16" (8 mm)	0.307" (7,8 mm)	1.970" (50,0 mm)	0.810" (20,7 mm)	0.630" (15,9 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	25 each
30024	12493	Brown	2 AWG	3/8" (10 mm)	0.307" (7,8 mm)	1.970" (50,0 mm)	0.810" (20,7 mm)	0.630" (15,9 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	25 each
30027	12501	Green	1 AWG	5/16" (8 mm)	0.358" (9,1 mm)	1.970" (50,0 mm)	0.810" (20,7 mm)	0.690" (17,4 mm)	0.750" (19,1 mm)	0.375" (9,5 mm)	10 each
30028	12519	Green	1 AWG	3/8" (10 mm)	0.358" (9,1 mm)	1.970" (50,0 mm)	0.810" (20,7 mm)	0.690" (17,4 mm)	0.750" (19,1 mm)	0.375" (9,5 mm)	10 each
30031	12527	Pink	1/0 AWG	5/16" (8 mm)	0.394" (10,0 mm)	2.160" (54,8 mm)	0.810" (20,7 mm)	0.750" (19,0 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	10 each
30032	12535	Pink	1/0 AWG	3/8" (10 mm)	0.394" (10,0 mm)	2.160" (54,8 mm)	0.810" (20,7 mm)	0.750" (19,0 mm)	0.890" (22,6 mm)	0.375" (9,5 mm)	10 each
30036	12543	Black	2/0 AWG	3/8" (10 mm)	0.439" (11,2 mm)	2.370" (60,2 mm)	0.870" (22,2 mm)	0.810" (20,7 mm)	1.110" (28,2 mm)	0.375" (9,5 mm)	10 each
30041	12568	Orange	3/0 AWG	1/2" (12 mm)	0.490" (12,4 mm)	2.630" (66,8 mm)	0.940" (23,8 mm)	0.910" (23,0 mm)	1.110" (28,2 mm)	0.531" (13,5 mm)	10 each
30045	12584	Purple	4/0 AWG	1/2" (12 mm)	0.548" (13,9 mm)	2.600" (65,9 mm)	0.970" (24,6 mm)	1.000" (25,4 mm)	1.110" (28,2 mm)	0.531" (13,5 mm)	10 each

Product Referral Generator

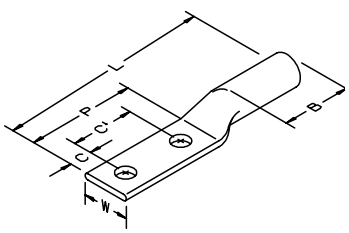
Terminating . . . . . .pg. 203
– QT-III 7600 Series

Motor Lead . . . . . .pg. 287
– 5300 Series

Specifications and Ordering Information for Scotchlok™ 31000 Series Copper Lugs-One Hole, Long-Barrel up to 35 kV

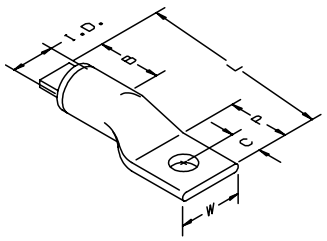
Product Number	UPC (054007-)	Color Code	Standard Wire Size	Stud Size	Dimensions						Minimum Order Case Qty.
					I.D.	L	B	W	P	C	
31036	12550	Black	2/0 AWG	3/8" (72,2 mm)	0.439" (10 mm)	2.840" (11,2 mm)	1.440" (72,2 mm)	0.812" (36,5 mm)	0.890" (20,6 mm)	0.375" (22,6 mm)	10 each
31041	12576	Orange	3/0 AWG	1/2" (12 mm)	0.490" (12,4 mm)	3.130" (79,5 mm)	1.440" (36,5 mm)	0.910" (23,0 mm)	1.110" (28,2 mm)	0.531" (13,5 mm)	10 each
31045	12592	Purple	4/0 AWG	1/2" (12 mm)	0.548" (13,9 mm)	3.320" (84,4mm)	1.560" (39,7 mm)	1.000" (25,4 mm)	1.110" (28,2 mm)	0.531" (13,5 mm)	10 each
31049	12618	Yellow	250 kcmil	1/2" (12 mm)	0.590" (15,1 mm)	3.380" (85,8 mm)	1.500" (38,0 mm)	1.130" (28,6 mm)	1.110" (28,2 mm)	0.531" (13,5 mm)	10 each
31053	12634	White	300 kcmil (150 mm²)	1/2" (12 mm)	0.650" (16,5 mm)	3.780" (96,0 mm)	1.940" (49,2 mm)	1.220" (30,9 mm)	1.110" (28,2 mm)	0.531" (13,5 mm)	10 each
31056	12659	Red	350 kcmil	1/2" (12 mm)	0.700" (17,8 mm)	3.840" (97,5 mm)	1.940" (49,2 mm)	1.270" (32,3 mm)	1.110" (28,2 mm)	0.531" (13,5 mm)	10 each
31060	11978	Blue	400 kcmil	1/2" (12 mm)	0.762" (19,3 mm)	4.160" (105,7 mm)	2.000" (50,8 mm)	1.410" (35,8 mm)	1.340" (34,2 mm)	0.650" (16,66 mm)	10 each
31066	12675	Brown	500 kcmil	1/2" (12 mm)	0.836" (21,2 mm)	4.500" (114,3 m)	2.190" (55,6 mm)	1.530" (38,9 mm)	1.340" (34,2 mm)	0.660" (16,8 mm)	10 each
31067	12683	Brown	500 kcmil	5/8" (16 mm)	0.836" (21,2 mm)	4.500" (114,3 mm)	2.190" (55,6 mm)	1.530" (38,9 mm)	1.340" (34,2 mm)	0.660" (16,8 mm)	10 each
31068	11980	Green	600 kcmil	1/2" (12 mm)	0.920" (23,4 mm)	5.120" (130,0 mm)	2.690" (68,2 mm)	1.690" (42,9 mm)	1.750" (44,4 mm)	0.870" (22,2 mm)	6 each

Specifications and Ordering Information for Scotchlok 31000 Series Copper Lugs-Two Hole, Long-Barrel up to 35 kV



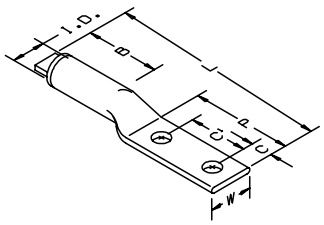
Product Number	UPC (054007-)	Color Code	Wire Size	Stud Size	Dimensions							Min. Order Case Qty.
					I.D.	L	B	W	P	C	C[1]	
31145	12600	Purple	4/0 AWG	1/2" (12 mm)	0.548" (13,9 mm)	5.160" (131,0mm)	1.560" (44,4mm)	1.000" (39,7 mm)	3.000" (25,4 mm)	0.630" (76,2 mm)	1.750" (15,9 mm)	10 each
31149	12626	Yellow	250 kcmil	1/2" (12 mm)	0.595" (15,1 mm)	5.310" (134,9 mm)	1.560" (39,7 mm)	1.130" (28,6 mm)	3.000" (76,2 mm)	0.630" (15,9 mm)	1.750" (44,4mm)	10 each
31153	12642	White	300 kcmil (150 mm²)	1/2" (12 mm)	0.650" (16,5mm)	5.750" (146,0mm)	1.940" (49,2 mm)	1.220" (31,0 mm)	3.000" (76,2 mm)	0.630" (15,9 mm)	1.750" (44,4 mm)	10 each
31156	12667	Red	350 kcmil	1/2" (12 mm)	0.700" (17,8 mm)	5.750" (146,0 mm)	1.940" (49,2 mm)	1.310" (33,4 mm)	3.000" (76,2 mm)	0.630" (15,9 mm)	1.750" (44,4 mm)	10 each
31160	11979	Blue	400 kcmil	1/2" (12 mm)	0.762" (19,35 mm)	6.000" (152,4 mm)	2.120" (59,8 mm)	1.410" (35,8 mm)	3.090" (78,5 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
31166	12691	Brown	500 kcmil	1/2" (12 mm)	0.836" (21,2 mm)	6.160" (156,4 mm)	2.190" (55,6 mm)	1.530" (38,9 mm)	3.000" (76,2 mm)	0.630" (15,9 mm)	1.750" (44,4 mm)	10 each
31168	11981	Green	600 kcmil	1/2" (12 mm)	0.923" (23,44 mm)	6.720" (170,6 mm)	2.620" (66,5 mm)	1.690" (42,9 mm)	3.120" (79,2 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	6 each
31172	12709	Black	750 kcmil	1/2" (12 mm)	1.031" (26,2 mm)	7.000" (177,8 mm)	2.810" (71,5 mm)	1.720" (43,7 mm)	3.000" (76,2 mm)	0.630" (15,9 mm)	1.750" (44,4 mm)	6 each
31178	00907	—	1000 kcmil (500 mm²)	1/2" (12 mm)	1.173" (29,3 mm)	7.280" (184,9 mm)	2.940" (74,6 mm)	1.720" (43,7 mm)	3.000" (76,2 mm)	0.630" (15,9 mm)	1.750" (44,4 mm)	6 each

Specifications and Ordering Information for Scotchlok™ 40000 Series Copper/Aluminum Lugs-One Hole (AL9CU) up to 35 kV



Product Number	UPC (054007-)	Color Code	Wire Size	Stud Size	Dimensions						Min. Order Case Qty.
					I.D.	L	B	W	P	C	
40016	13400	Gray	6 AWG	5/16" (8 mm)	0.200" (5,1 mm)	2.300" (58,4 mm)	1.000" (25,4 mm)	0.550" (14,0 mm)	0.880" (22,3 mm)	0.440" (11,2 mm)	50 each
40020	13418	Green	4 AWG	5/16" (8 mm)	0.265" (6,7 mm)	2.300" (58,4mm)	1.000" (25,4 mm)	0.690" (17,5 mm)	1.000" (25,4 mm)	0.440" (11,2 mm)	50 each
40024	13426	Pink	2 AWG	3/8" (10 mm)	0.307" (7,8 mm)	2.500" (63,5 mm)	1.000" (25,4 mm)	0.810" (20,6 mm)	1.120" (28,4 mm)	0.440 (11,2 mm)	25 each
40025	13434	Pink	2 AWG	1/2" (12 mm)	0.307" (7,8 mm)	2.500" (63,5 mm	1.000" (25,4 mm)	0.810" (20,6 mm)	1.120" (28,4 mm)	0.440" (11,2 mm)	25 each
40028	13442	Gold	1 AWG	3/8" (10 mm)	0.350" (8,9 mm)	2.560" (65,0 mm)	0.940" (23,9 mm)	0.750" (19,1 mm)	1.120" (28,4 mm)	0.440" (11,2 mm)	10 each
40029	13459	Gold	1 AWG	1/2" (12 mm)	0.350" (8,9 mm)	2.560" (65,0 mm)	0.940" (23,9 mm)	0.750" (19,1 mm)	1.120" (28,4 mm)	0.440" (11,2 mm)	10 each
40032	13467	Tan	1/0 AWG	3/8" (10 mm)	0.414" (10,5 mm)	3.190" (81,0 mm)	1.250" (31,8 mm)	0.880" (22,4 mm)	1.250" (31,8 mm)	0.620" (15,7 mm)	10 each
40033	13475	Tan	1/0 AWG	1/2" (12 mm)	0.414" (10,5 mm)	3.190" (81,0 mm	1.250" (31,8 mm)	0.880" (22,4 mm)	1.250" (31,8 mm)	0.620" (15,7 mm)	10 each
40037	13483	Olive	2/0 AWG	1/2" (12 mm)	0.439" (11,2 mm)	3.190" (81,0 mm)	1.380" (35,1 mm)	0.940" (23,9 mm)	1.250" (31,8 mm)	0.620" (15,7 mm)	10 each
40041	13491	Ruby	3/0 AWG	1/2" (12 mm)	0.484" (12,3 mm)	3.440" (87,4 mm)	1.500" (38,1 mm)	1.060" (26,9 mm)	1.310" (33,5 mm)	0.620" (15,7 mm)	10 each
40045	13509	White	4/0 AWG	1/2" (12 mm)	0.562" (14,3 mm)	3.560" (90,4 mm)	1.500" (38,1 mm)	1.190" (30,2 mm)	1.310" (33,5 mm)	0.620" (15,7 mm)	10 each
40046	13517	White	4/0 AWG	5/8" (16 mm)	0.562" (14,3 mm)	3.560" (90,4 mm)	1.500" (38,1 mm)	1.190" (30,2 mm)	1.310" (33,5 mm)	0.620" (15,7 mm)	10 each
40049	13525	Red	250 kcmil	1/2" (12 mm)	0.594" (15,1 mm)	3.620" (91,9 mm)	1.620" (41,1 mm)	1.250" (31,8 mm)	1.310" (33,5 mm)	0.620" (15,7 mm)	10 each
40050	13533	Red	250 kcmil	5/8" (16 mm)	0.594" (15,1 mm)	3.620" (91,9 mm)	1.620" (41,1 mm)	1.250" (31,8 mm)	1.310" (33,5 mm)	0.620" (15,7 mm)	10 each
40053	13541	Dark Blue	300 kcmil (150 mm^2)	1/2" (12 mm)	0.650" (16,5 mm)	4.000" (101,6 mm)	2.250" (57,2 mm)	1.380" (35,0 mm)	1.310" (33,5 mm)	0.620 (15,7 mm)	10 each
40056	13558	Brown	350 kcmil	1/2") (12 mm)	0.720" (18,3 mm)	4.250" (108,0 mm)	2.250" (57,2 mm)	1.500" (38,1 mm)	1.310" (33,5 mm)	0.620" (15,7 mm)	10 each
40057	13566	Brown	350 kcmil	5/8" (16 mm)	0.720" (18,3 mm)	4.250" (108,0 mm)	2.250" (57,2 mm)	1.500" (38,1 mm)	1.310" (33,5 mm)	0.620" (15,7 mm)	10 each
40067	13574	Pink	500 kcmil	5/8" (16 mm)	0.843" (21,4 mm)	5.440" (138,2 mm)	3.000" (76,2 mm)	1.750" (44,5 mm)	1.500" (38,1 mm)	0.620" (15,7 mm)	10 each
40073	13582	Yellow	750 kcmil	5/8" (16 mm)	1.031" (26,2 mm)	6.500" (165,1 mm)	3.380" (85,9 mm)	1.750" (44,5 mm)	1.870" (47,5 mm)	0.875" (22,2 mm)	6 each
40079	13590	Brown	1000 kcmil (500 mm^2)	5/8" (16 mm)	1.193" (30,3 mm)	7.870" (200,0 mm)	4.620" (117,3 mm)	2.560" (65,0 mm)	1.870" (47,5 mm)	0.875" (22,2 mm)	6 each

Specifications and Ordering Information for Scotchlok™ 40000 Series Copper/Aluminum Lugs-Two Hole (AL9CU) up to 35 kV



Product Number	UPC (054007-)	Color Code	Wire Size	Stud Size	Dimensions							Min. Order Case Qty.
					I.D.	L	B	W	P	C	C[1]	
40132	13608	Tan	1/0 AWG	3/8" (10 mm)	0.414" (10,5 mm)	5.28" (134,1 mm	1.500" (38,1 mm)	0.880" (22,4 mm)	3.250" (82,6 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40137	13616	Olive	2/0 AWG	1/2" (12 mm)	0.439" (11,2 mm)	5.500" (139,7 mm)	1.500" (38,1 mm)	0.940" (23,9 mm)	3.250" (82,6 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40141	13624	Ruby	3/0 AWG	1/2" (12 mm)	0.484" (12,3 mm)	5.500" (139,7 mm)	1.500" (38,1 mm)	1.060" (26,9 mm)	3.250" (82,6 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40145	13632	White	4/0 AWG	1/2" (12 mm)	0.562" (14,3 mm)	5.940" (150,9 mm)	1.750" (44,5 mm)	1.190" (30,2 mm)	3.380" (85,9 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40149	13640	Red	250 kcmil	1/2" (12 mm)	0.594" (15,1 mm)	6.000" (152,4 mm)	1.750" (44,5 mm)	1.250" (31,8 mm)	3.380" (85,9 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40153	13657	Dark Blue	300 kcmil (150 mm^2)	1/2" (12 mm)	0.650" (16,5 mm)	6.560" (166,6 mm)	2.250" (57,2 mm)	1.310" (33,3 mm)	3.560" (90,4 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40156	13665	Brown	350 kcmil	1/2" (12 mm)	0.720" (18,3 mm)	6.560" (166,6 mm	2.250" (57,2 mm)	1.500" (38,1 mm)	3.560" (90,4 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40160	13673	Green	400 kcmil	1/2" (12 mm)	0.760" (19,3 mm)	6.880" (174,8 mm)	2.500" (63,5 mm)	1.620" (41,1 mm)	3.560" (90,4 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40166	13681	Pink	500 kcmil	1/2" (12 mm)	0.843" (21,4 mm)	7.310" (185,7 mm)	3.000" (76,2 mm)	1.750" (44,5 mm)	3.560" (90,4 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	10 each
40170	13699	Black	600 kcmil	1/2" (12 mm)	0.923" (23,4 mm)	7.500" (190,5 mm)	3.000" (76,2 mm)	1.750" (44,5 mm)	3.620" (91,9 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	6 each
40172	13707	Yellow	750 kcmil	1/2" (12 mm)	1.031" (26,2 mm)	8.250" (209,6 mm)	3.380" (85,9 mm)	1.750" (44,5 mm)	3.620" (91,9 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	6 each
40178	13715	Brown	1000 kcmil (500 mm^2)	1/2" (12 mm)	1.193" (30,3 mm)	9.620" (244,3 mm)	4.620" (117,4 mm)	2.560" (65,0 mm)	3.620" (91,9 mm)	0.620" (15,7 mm)	1.750" (44,4 mm)	6 each

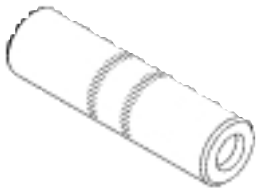
Product Referral Generator

Terminating . . . . . .pg. 203
– QS-III 7600 Series

Motor Lead . . . . . .pg. 287
– 5300 Series

Specifications and Ordering Information for 3M™ CI Series Connectors up to 35 kV

Note: These 3M CI series connectors are for use with molded rubber splices.

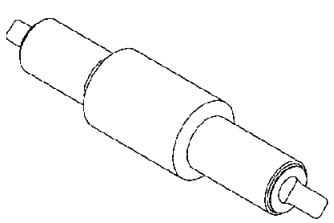


Product Referral Generator

Splicing . . . . . .pg. 231
– 5400 Series
– 5420 Series
– QS-II Splices

Product Number	Description	UPC (054007-)	Conductor Size Cu or Al Stranded	Conductor Size Cu or Al Solid	Length	Connector O.D.	Min. Order Case Qty.
CI-22	Used with molded rubber splices	25636	4 AWG	2 AWG	2.0	0.63" (16 mm)	10 each
CI-2	Used with molded rubber splices	11651	2 AWG	1 AWG	2.0	0.63" (16 mm)	10 each
CI-21	Used with molded rubber splices	11856	2, 1 AWG	1, 1/0 AWG	2.0	0.63" (16 mm)	10 each
CI-21-840	Used with molded rubber splices	09136	2, 1 AWG	1, 1/0 AWG	3.0	0.90" (22 mm)	10 each
CI-1/0	Used with molded rubber splices	11867	1/0 AWG	—	2.0	0.63" (16 mm)	10 each
CI-1/0-840	Used with molded rubber splices	09137	1/0 AWG	—	3.0	0.90" (22 mm)	10 each
CI-2/0	Used with molded rubber splices	11875	2/0 AWG	—	3.0	0.91" (23 mm)	10 each
CI-3/0	Used with molded rubber splices	11883	3/0 AWG	—	3.0	0.90" (22 mm)	10 each
CI-4/0	Used with molded rubber splices	11891	4/0 AWG	—	3.0	0.90" (22 mm)	10 each
CI-250	Used with molded rubber splices	11909	250 kcmil	—	3.75	1.11" (28 mm)	10 each
CI-350	Used with molded rubber splices	11925	350 kcmil	—	3.70	1.11" (28 mm)	10 each
CI-450	Used with molded rubber splices	11933	500 kcmil Compact	—	4.25	1.3" (33 mm)	10 each
CI-500	Used with molded rubber splices	25644	500 kcmil	—	4.25	1.3" (33 mm)	10 each
CI-650	Used with molded rubber splices	11941	750 kcmil Compact	—	4.66	1.7" (43 mm)	10 each
CI-750	Used with molded rubber splices	25651	750 kcmil	—	4.66	1.57" (40 mm)	10 each

Specifications and Ordering Information for 3M CI-A Series Connectors up to 35 kV

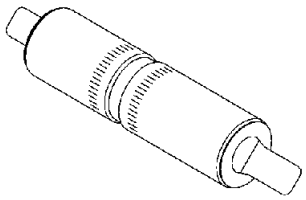


Product Referral Generator

Splicing . . . . . .pg. 231
– 5420 Series
– 5432 Series
– 5450 Series
– 5460 Series

Product Number	Description	UPC (054007-)	Conductor Size Cu or Al Stranded	Conductor Size Cu or Al Solid	Connector O.D.	Min. Order Case Qty.
CI-1/0A	Used with molded rubber splices 3M 5420 Series, 5461 splice kit and 5450 Series	14176	1/0 AWG	—	0.91" (23 mm)	10 each
CI-1A	Used with molded rubber splices 3M 5420 Series, 5461 splice kit and 5450 Series	00722	1 AWG	1/0 AWG	0.91" (23 mm)	10 each
CI-2A	Used with molded rubber splices 3M 5420 Series, 5461 splice kit and 5450 Series	00721	2 AWG	1 AWG	0.91" (23 mm)	10 each
CI-22A	Used with molded rubber splices 3M 5420 and 3M 5450 Series	15868	—	2 AWG	0.91" (23 mm)	10 each

Specifications and Ordering Information for 3M™ CI-T Series Transition Connectors up to 35 kV



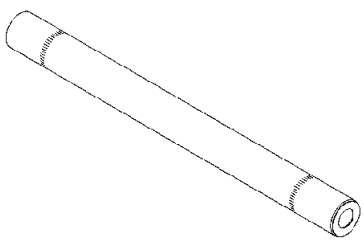
Product Referral Generator

Splicing . . . . . .pg. 231
– 5411 Series
– QS-II

Product Number	Description	UPC (054007-)	Conductor Size Cu or Al From Cable A Str.	From Cable A Solid	to Cable B Str.	to Cable B Solid	Connector O.D.	Minimum Order Case Qty.
CI-T-1	Transition connector used with 3M 5411 and 3M 5501splice kits	11958	4	2	1	1/0	0.63" (16 mm)	10 each
CI-T-2	Transition connector used with 3M 5411 and 3M 5501splice kits	11966	2	1	1	1/0	0.63" (16 mm)	10 each
CI-T-3	Transition connector used with 3M 5411 and 3M 5501splice kits	11974	4	2	1/0	—	0.63" (16 mm)	10 each
CI-T-4	Transition connector used with 3M 5411 and 3M 5501splice kits	11982	2	1	1/0	—	0.63" (16 mm)	10 each
CI-T-5	Transition connector used with 3M 5411 and 3M 5501splice kits	11990	2	1	4	2	0.63" (16 mm)	10 each

Specifications and Ordering Information for 3M CIR Series Connectors

Note: These extra long connectors are used to bridge gaps up to six inches when a piece of damaged cable is removed. They can be used with copper or aluminum conductors.



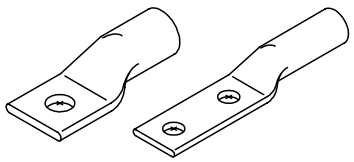
Product Referral Generator

Splicing . . . . . .pg. 231
– 5411R Series
– 5412R Series
– 5451R Series

Product Number	Description	UPC (054007-)	Conductor Size Cu or Al Stranded	Solid	Connector O.D.	Splice Body	Min. Order Case Qty.
CIR-1/0	Used with molded rubber splice kit	09358	1/0 AWG	—	0.63" (16 mm)	5411R	10 each
CIR-1/0-840	Used with molded rubber splice kit	09137	1/0 AWG	—	0.91" (23 mm)	5451R	—
CIR-21	Used with molded rubber splice kit	09357	2, 1 AWG	1, 1/0 AWG	0.63" (16 mm)	5411R	10 each
CIR-21-840	Used with molded rubber splice kit	09136	2, 1 AWG	1, 1/0 AWG	0.91" (23 mm)	5451R	10 each
CIR-22	Used with molded rubber splice kit	09356	4 AWG (220 insul. only)	2 AWG	0.63" (16 mm)	5411R	10 each
CIR-1/0A	Used with molded rubber splice kit	50226	1/0 AWG	—	0.91" (23 mm)	5451R	10 each
CIR-2/0	Used with molded rubber splice kit	41964	2/0 AWG (220 mil only)	—	0.91" (23 mm)	5412R	10 each
CIR-3/0	Used with molded rubber splice kit	41965	3/0 AWG	—	0.91" (23 mm)	5412R	10 each
CIR-4/0	Used with molded rubber splice kit	50228	4/0 AWG	—	0.91" (23 mm)	5412R	10 each
CIR-21A	Used with molded rubber splice kit	50227	2, 1 AWG	1, 1/0 AWG	0.91" (23 mm)	5451R	10 each

Specifications and Ordering Information for 3M™ Oil Seal Lugs up to 35 kV

Note: 3M oil seal lugs are copper lugs specially made for use with the 5800-Pb series cold shrink termination kits and on copper conductors.



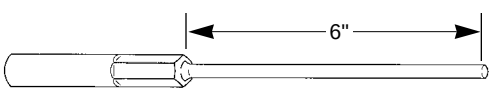
Product Referral Generator

Terminating . . . . . .pg. 203
– 5800-Pb Series

Product Number	Description	UPC (054007-)	Stud Size	Conductor Range			Inner Unit Pack	Min. Order Case Qty.
				Stranded	ID	Solid		
OS-0001	One hole	50438	3/8"	2	0.307	1	1	10 each
OS-0010	One hole	50439	3/8"	1/0	0.414	2/0	1	10 each
OS-0020	One hole	50440	3/8"	2/0	0.439	3/0	1	10 each
OS-0030	One hole	50441	1/2"	3/0	0.490	4/0	1	10 each
OS-0040	One hole	50442	1/2"	4/0	0.548	250	1	10 each
OS-0250	Two holes	50443	1/2"	250	0.595	—	2	10 each
OS-0350	Two holes	50444	1/2"	350	0.700	—	2	10 each
OS-0500	Two holes	50445	1/2"	500	0.886	—	2	10 each
OS-0750	Two holes	50446	1/2"	750	1.031	—	—	3 each
OS-1000	Two holes	50447	1/2"	1000	1.173	—	—	3 each

Specifications and Ordering Information for 3M SC Series Stem Connectors up to 35 kV

Note: The 3M SC series stem connectors can be used with 3M cold shrink terminations. The stem connectors have copper stems, aluminum barrels with antioxidant paste and are used for copper or aluminum conductors.



Product Referral Generator

Terminating . . . . . .pg. 203
– 5600 Series
– 7600 Series

Product Number	Description	UPC (054007-)	Stem Diameter	Conductor Size AWG/kcmil		Inner Unit Pack	Min. Order Case Qty.
				Stranded	Solid		
SC0001	Size 2 &1	14655	0.257"	2 & 1	1 & 10	1/box	10 each
SC0002	Size 2	14648	0.257"	4	2	1/box	10 each
SC0010	Size 1/0	14663	0.257"	1/0	2/0	1/box	10 each
SC0020	Size 2/0	14671	0.325"	2/0	3/0	1/box	10 each
SC0030	Size 3/0	14689	0.325"	3/0	4/0	1/box	10 each
SC0040	Size 4/0	14697	0.325"	4/0	—	1/box	10 each

Specifications and Ordering Information for 3M™ CP-1 Parallel Clamp up to 35 kV

Note: The 3M CP-1 parallel clamp is used in aerial connections with the SC series stem connectors.

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Product Referral Generator

Connecting . . . . . .pg. 138
– SC Series Stem Connectors

Product Number	UPC (054007-)	Conductor Size	Minimum Order Case Qty.
CP-1	12204	6 Solid-2/0 Stranded (14-60 mm^2)	10 each

Scotchlok™ 2000T CU/AL Reducer Series up to 35 kV

Scotchlok 2000T Reducer Series Connectors are aluminum inline sleeves that are applicable for both aluminum and copper conductors and are specifically designed for use with IPLC power cable. The barrel diameters on each end are different, to allow connecting conductors of different size. They can be used on concentric, compressed and compact stranded conductors. When used with sector shaped conductors, a rounding die is recommended to round-out the sector shape. The 2000T reducer series connectors, like all 2000T series connectors are designed for use with 3M splice kits, CS500 series, Scotchlok 2000T series, Scotchlok 2000-3T series and 5700 series splice kits. These connectors have a solid center oil stop and meet ANSI Standard C-119.4.

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Product Referral Generator

Splicing . . . . . .pg. 231
– CS 500Pb Series
– QS 2000T Series
– QS 2000-3T Series

Specifications and Ordering Information for Scotchlok 2000T CU/AL Reducer Series

Product Number	UPC (054007-)	O.D* (in.)	Length (in.)	Minimum Order Case Qty.
2000T 4-1/0 CU/AL	42223	0.640	4.740	9 connectors
2000T 3-1/0 CU/AL	42224	0.640	4.740	9 connectors
2000T 2-1 CU/AL	42225	0.6470	4.740	9 connectors
2000T 2-1/0 CU/AL	42226	0.640	4.740	9 connectors
2000T 1-1/0 CU/AL	42227	0.640	4.740	9 connectors
2000T 1/0-2/0 CU/AL	42228	0.910	4.700	3 connectors
2000T 2/0-4/0 CU/AL	42229	0.910	4.700	3 connectors
2000T 3/0-350 CU/AL	42230	1.125	4.700	3 connectors
2000T 4/0-350 CU/AL	42231	1.125	4.700	3 connectors
2000T 250-350 CU/AL	42232	1.125	4.690	3 connectors
2000T 300-350 CU/AL	42233	1.125	4.700	3 connectors
2000T 350-500 CU/AL	42234	1.320	4.700	3 connectors
2000T 400-500 CU/AL	42235	1.320	6.250	3 connectors
2000T 500-750 CU/AL	42236	1.600	6.250	3 connectors
2000T 500-800 CU/AL	42237	1.625	6.250	3 connectors
2000T 500-1000 CU/AL	42238	1.625	6.250	3 connectors
2000T 600-750 CU/AL	42239	1.600	6.250	3 connectors
2000T 650-750 CU/AL	42240	1.600	6.250	3 connectors
2000T 700-750 CU/AL	42241	1.600	6.250	3 connectors
2000T 750-1000 CU/AL	42243	1.625	6.250	3 connectors
2000T 800-1000 CU/AL	42244	1.625	6.250	3 connectors

* No quantity of this connector size is maintained. Connector is available with 12 week lead time. Connectors for cable sizes not listed are available with approval. Contact your Customer Service Representative for ordering information 1-800-245-3573.

Scotchlok™ 2000T CU up to 35 kV

Scotchlok 2000T Series Connectors are copper inline sleeves for use with copper conductor cables of the same size and are specifically designed for use with PILC power cable. They can be used to connect copper cable only. They are designed with a solid center oil stop for use with CS500 series splice kits, Scotchlok 2000T series, Scotchlok 2000-3T series and 5700 series splice kits. They can be used on concentric, compressed and compact stranded conductors. When used with sector shaped conductors, a rounding die is recommended to round-out the sector shape. These connectors meet ANSI Standard C-119.4. See page 231 for splice kit information.

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Specifications and Ordering Information for Scotchlok 2000T CU up to 35 kV

Product Number	UPC (054007-)	O.D (in.)	Length (in.)	Minimum Order Case Qty.
2000T - 4 CU	42245	0.700	5.320	9 connectors
2000T - 3 CU	42246	0.700	5.320	9 connectors
2000T - 2 CU	42247	0.700	5.320	9 connectors
2000T - 1 CU	42248	0.700	5.320	9 connectors
2000T - 1/0 CU	42249	0.700	5.320	3 connectors
2000T - 2/0 CU	42250	0.700	5.320	3 connectors
2000T - 3/0 CU	42251	0.700	5.320	3 connectors
2000T - 4/0 CU	42252	0.880	5.250	3 connectors
2000T -250 CU	42253	0.880	5.250	3 connectors
2000T - 300 CU	42254	0.880	5.250	3 connectors
2000T - 350 CU	42255	0.875	5.250	3 connectors
2000T - 400 CU	42256	1.125	6.900	3 connectors
2000T - 450 CU	42257	1.125	6.900	3 connectors
2000T - 500 CU	42258	1.125	6.900	3 connectors
2000T - 550 CU	42259	1.125	6.900	3 connectors
2000T - 600 CU	42260	1.188	6.900	3 connectors
2000T - 650 CU	42261	1.219	6.900	3 connectors
2000T - 700 CU	42262	1.250	6.900	3 connectors
2000T - 750 CU	42263	1.299	6.900	3 connectors
2000T - 800 CU	42264	1.344	6.900	3 connectors
2000T - 1000 CU	42265	1.500	6.900	3 connectors

Phone 800/245 3573 Fax 800/245 0329

Fastening Products

- Cable Ties and Assortment Pack pg. 144
- Cable Tie Bases pg. 147
- Cable Stackers pg. 148
- Cable Clips pg. 149
- Cable Ducts pg. 150

Color may vary.

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? Frequently Asked Questions

What is the difference between black and natural cable ties?	Black ties are for indoor or outdoor use (UV resistant). Natural ties are for indoor use only.
Can we break case quantities?	Refer to your Price Pages under Broken Case Quantity.

Cable Ties and Assortment Pack

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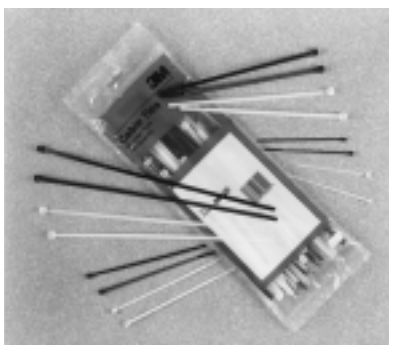
3M™ Cable Ties

3M Cable Ties secure wire bundles and harness components quickly, without slipping. The self-locking head, with heavy double teeth on the one-piece lock mechanism, assures the 3M reliability you've come to expect.

Molded from 6/6 nylon, 3M cable ties are designed to meet a wide range of temperatures from -40°F (-40°C) to 185°F (85°C). They are available in a variety of sizes and styles, including weather-resistant black nylon for indoor and outdoor use and natural nylon for indoor use only. Our cable ties are UL Recognized (UL File No. E116841).



35

3M Cable Tie Assortment Pack

3M Cable Tie Assortment Pack contains 100 of our most commonly used ties. We give you three sizes, four lengths and both colors.

Product Referral Generator

Terminating
– Terminals . . . . . .pg. 33
Connecting
– Spring Connectors . . . . . .pg. 22
– IDC Connectors . . . . . .pg. 27
Identifying . . . . . .pg. 153
Tubing
– Heat Shrink . . . . . .pg. 309

Features — Advantages — Benefits

Cable Ties

Bent tips	Easy insertion	Saves time
Flame retardant; fungus inert; resistant to solvents, alkalies, and grease	Long life	Saves money

Specifications and Ordering Information for 3M Cable Ties

Product Description	Product Number	UPC (054007-)	Approx. Length	Approx. Max. Bundle Dia.	Approx. Width	Approx. Thickness	Loop Tensile	Inner Unit Pack	Certifications and Listings
Miniature Cable Ties									
Natural	06224 06248	06224 06248	4" (102 mm)	0.8" (20 mm)	0.1" (2,5 mm)	0.04" (1,0 mm)	18 lbs. (80 N)	100/bag 1000/bag	
Weather-Resistant Black	06200 06270	06200 06270	4" (102 mm)	0.8" (20 mm)	0.1" (2,5 mm)	0.04" (1,0 mm)	18 lbs. (80 N)	100/bag 1000/bag	
Intermediate Cable Ties									
Natural	06225 06249	06225 06249	6" (152 mm)	1.25" (32 mm)	0.14" (3,6 mm)	0.04" (1,0 mm)	30 lbs. (133 N)	100/bag 1000/bag	
Weather-Resistant Black	06201 06271	06201 06271	6" (152 mm)	1.25" (32 mm)	0.14" (3,6 mm)	0.04" (1,0 mm)	30 lbs. (133 N)	100/bag 1000/bag	

Continued on next page

Specifications and Ordering Information for 3M™ Cable Ties (continued)

Product Description	Product Number	UPC (054007-)	Approx. Length	Approx. Max. Bundle Dia.	Approx. Width	Approx. Thickness	Loop Tensile	Inner Unit Pack	Certifications and Listings
Standard Cable Ties									
Natural	06226 06250	06226 06250	8" (203 mm)	1.75" (44 mm)	0.18" (4,6 mm)	0.05" (1,3 mm)	50 lbs. (222 N)	100/bag 1000/bag	
Natural	06227 06251	06227 06251	12" (305 mm)	3" (76 mm)	0.18" (4,6 mm)	0.05" (1,3 mm)	50 lbs. (222 N)	100/bag 1000/bag	
Natural	06228 06252	06228 06252	15" (381 mm)	4" (102 mm)	0.18" (4,6 mm)	0.05" (1,3 mm)	50 lbs. (222 N)	50/bag 500/bag	
Weather-Resistant Black	06202 06272	06202 06272	8" (203 mm)	1.75" (44 mm)	0.18" (4,6 mm)	0.05" (1,3 mm)	50 lbs. (222 N)	100/bag 1000/bag	
Weather-Resistant Black	06203 06273	06203 06273	12" (305 mm)	3" (76 mm)	0.18" (4,6 mm)	0.05" (1,3 mm)	50 lbs. (222 N)	100/bag 1000/bag	
Weather-Resistant Black	06204 06274	06204 06274	15" (381 mm)	4" (102 mm)	0.18" (4,6 mm)	0.05" (1,3 mm)	50 lbs. (222 N)	50/bag 500/bag	
Heavy Duty Cable Ties									
Natural	06229	06229	8" (203 mm)	2" (51 mm)	0.30" (7,6 mm)	0.07" (1,8 mm)	120 lbs. (533 N)	50/bag	
Natural	06240 06264	06240 06264	15" (381 mm)	4" (102 mm)	0.30" (7,6 mm)	0.07" (1,8 mm)	120 lbs. (533 N)	50/bag 500/bag	
Natural	06247	06247	33" (838 mm)	9.75" (248 mm)	0.30" (7,6 mm)	0.09" (2,3 mm)	175 lbs. (777 N)	50/bag	
Weather-Resistant Black	06206	06206	8" (203 mm)	2" (51 mm)	0.30" (7,6 mm)	0.07" (1,8 mm)	120 lbs. (533 N)	50/bag	
Weather-Resistant Black	06207 06277	06207 06277	15" (381 mm)	4" (102 mm)	0.30" (7,6 mm)	0.07" (1,8 mm)	120 lbs. (533 N)	50/bag 500/bag	
Weather-Resistant Black	06246	06246	33" (838 mm)	9.75" (248 mm)	0.34" (8,6 mm)	0.09" (2,3 mm)	175 lbs. (777 N)	50/bag	
Extra Heavy Duty Cable Ties									
Natural	06260	06260	36" (914 mm)	11" (279 mm)	0.34" (8,6 mm)	0.09" (2,3 mm)	175 lbs. (777 N)	50/bag	
Weather-Resistant Black	06259	06259	36" (914 mm)	11" (279 mm)	0.34" (8,6 mm)	0.09" (2,3 mm)	175 lbs. (777 N)	50/bag	

Continued on next page

Specifications and Ordering Information for 3M™ Cable Ties (continued)

Product Description	Product Number	UPC (054007-)	Approx. Length	Approx. Max. Bundle Dia.	Approx. Width	Approx. Thickness	Loop Tensile	Inner Unit Pack	Certifications and Listings
Mounting Cable Ties, Standard (#10 Screw)									
Natural	06232 06256	06232 06256	8" (203 mm)	1.75" (44 mm)	0.19" (4,8 mm)	0.06" (1,5 mm)	50 lbs. (222 N)	100/bag 1000/bag	
Natural	06234 06258	06234 06258	15" (381 mm)	4" (102 mm)	0.19" (4,8 mm)	0.06" (1,5 mm)	50 lbs. (222 N)	50/bag 500/bag	
Weather-Resistant Black	06205 06275	06205 06275	8" (203 mm)	1.75" (44 mm)	0.19" (4,8 mm)	0.06" (1,5 mm)	50 lbs. (222 N)	100/bag 1000/bag	
Mounting Cable Ties, Heavy Duty (1/4" Screw)									
Natural	06243 06267	06243 06267	15" (381 mm)	4" (102 mm)	0.30" (7,6 mm)	0.07" (1,8 mm)	120 lbs. (533 N)	50/bag 500/bag	
Double Loop Cable Ties, Standard									
Natural	06242 06266	06242 06266	15" (381 mm)	4" (102 mm)	0.18" (4,6 mm)	0.05" (1,3 mm)	50 lbs. (222 N)	50/bag 500/bag	
Double Loop Cable Ties, Heavy Duty									
Natural	06245 06269	06245 06269	15" (381 mm)	4" (102 mm)	0.30" (7,6 mm)	0.07" (1,8 mm)	120 lbs. (533 N)	50/bag 500/bag	

Specifications and Ordering Information for 3M Cable Tie Assortment Pack

Product Number	UPC (054007-)	Product Description	Size	Approx. Length	Number of Ties per Assortment Pack
06220	06220	Assortment Pack			
		Natural	Miniature	4" (102 mm)	15
		Weather-Resistant Black	Miniature	4" (102 mm)	10
		Natural	Intermediate	6" (152 mm)	15
		Weather-Resistant Black	Intermediate	6" (152 mm)	10
		Natural	Standard	8" (203 mm)	15
		Weather-Resistant Black	Standard	8" (203 mm)	10
		Natural	Standard	12" (305 mm)	15
		Weather-Resistant Black	Standard	12" (305 mm)	10

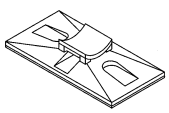
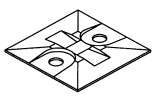
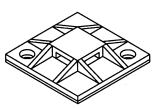
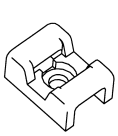
Cable Tie Bases

3M™ Cable Tie Bases

3M Cable Tie Bases 06290 Series makes mounting wire and cable a quick, easy and secure process. Our bases are available in four styles and five sizes. They are designed so they can be screw-mounted, and eight of the ten have an adhesive backing for extra easy application.

Every 3M cable tie can be mounted using one of these cable tie bases. 3M cable ties and cable tie bases work in temperatures ranging -40°F to 185°F (-40°C to 85°C).

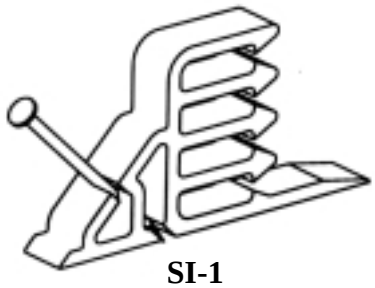
Specifications and Ordering Information for 3M 06290 Series Cable Tie Bases

	Product Number/ Color/Material	UPC (054007-)	Dimensions Length	Width	Height	Slot Height	Slot Width	Cable Size	Entry Locations	Screw Size	Inner Unit Pack	Minimum Order Case Qty.
	06290 Ivory/ABS	06290	1.0" (25 mm)	2.0" (50 mm)	0.31" (8 mm)	0.18" (4 mm)	0.20" (5 mm)	Miniature Intermediate Standard	2	—	100/bag	500
	06291 Ivory/ABS	06291						Miniature Intermediate Standard	2	—	250/bag	2500
	06292 Ivory/ABS	06292	1.0" (25 mm)	1.0" (25 mm)	0.1" (3 mm)	0.07" (2 mm)	0.21" (5 mm)	Miniature Intermediate Standard	2	(2) #6	100/bag	500
	06293 Ivory/ABS	06293						Miniature Intermediate Standard	2	(2) #6	250/bag	2,500
	06294 Natural/Nylon	06294	0.75" (19 mm)	0.75" (19 mm)	0.21" (5 mm)	0.05" (1 mm)	0.12" (3 mm)	Miniature Intermediate	4	(2) #6	100/bag	500
	06295 Black/Nylon	06295						Miniature Intermediate	4	(2) #6	100/bag	500
	06296 Natural/Nylon	06296	1.0" (25 mm)	1.0" (25 mm)	0.21" (5 mm)	0.07" (2 mm)	0.20" (5 mm)	Miniature Intermediate	4	(2) #6	100/bag	500
	06297 Black/Nylon	06297						Miniature Intermediate Standard	4	(2) #6	100/bag	500
	06298** Natural/Nylon	06298	0.6" (15 mm)	0.39" (10 mm)	0.28" (7 mm)	0.15" (4 mm)	0.203" (5 mm)	Miniature Intermediate Standard	2	(1) #6	100/bag	500
	06299** Natural/Nylon	06299	0.87" (22 mm)	0.62" (15 mm)	0.39" (10 mm)	0.21" (5 mm)	0.32" (8 mm)	Intermediate Standard Heavy-Duty Extra Heavy-Duty	2	(1) #10	100/bag	500

** Screw Mounting Only

Cable Stackers

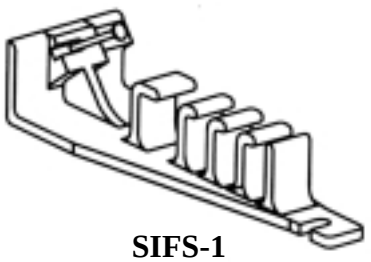
3M™ SI-1 Cable Stackers



SI-1

3M Cable Stacker SI-1 centers multiple cables on a 2 x 4 framing member, allowing simplified compliance with article 300-4-(d) of the National Electrical Code. It organizes cable runs and aids in identification, putting an end to tangled wires and the potential heating that could occur when cables are held together tightly under a single fastener. The SI-1 cable stacker is made from reclaimed plastic. Installation is easy with cables snapping in for a positive lock, simplifying compliance with the spacing requirements of the National Electrical Code, article 300-4-(d) and the Canadian Electric Code Part I, Section 12-516.

3M SIFS-1 Furring Strip Cable Stackers



SIFS-1

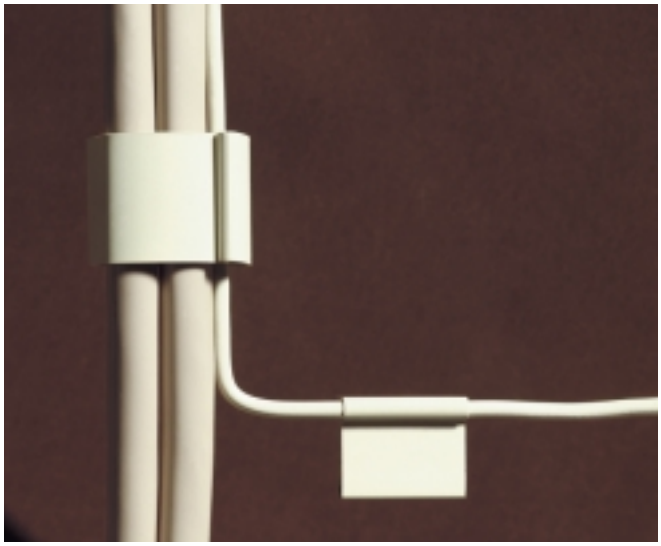
3M Furring Strip Cable Stacker SIFS-1 is made for round cable as well as flat. It has the easy installation of the SI-1 cable stacker and is made from reclaimed plastic as well. The ease of organization and identification provided by the SIFS-1 furring strip combined with its versatility of use – routing, fastening and supporting CATV, telephone, security and instrumentation cables – simplifies compliance with the spacing requirements of the National Electrical Code, article 300-4-(d) and the Canadian Electric Code Part I, Section 12-516.

3M™ SI-1 Cable Stacker 36

Specifications and Ordering Information for 3M Cable Stackers

Product Number	UPC (054007-)	Wire Range		Inner Unit Pack	Case Qty.
		Flat NM	Round		
SI-1	49554	14-2 AWG to 10-2 AWG (6 mm)	up to 0.30" diameter (8 mm)	25	250
SIFS-1	49918	14-2 AWG to 10-2 AWG (6 mm)	14-3 AWG to 10-3 AWG (10 mm)	25	250

Cable Clips



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3M™ 700 Series Adhesive Cable Clips

3M Adhesive Cable Clips Series 700 is made of vinyl material backed with a pressure-sensitive foam adhesive. They may be mounted to most clean, dry surfaces without drilling. Clips will accommodate cables with diameters from 0.125 to 0.375" (3 to 10 mm), and if desired, a tight fit may be selected to keep the cable from slipping. Applications include internal equipment wiring; supporting, and protecting wire and cable systems around equipment cabinets; and other inside-plant uses. 3M cable clips are gray.

3M 707 Adhesive Cable Clips

3M Adhesive Cable Clips 707, which opens to accept cables up to 0.250" (6 mm) diameter, is also ideal for organizing cable routing by clamping and retaining layers of ribbon cable. As with the 700 series, the 707 adhesive cable clip is made of gray vinyl, backed with pressure-sensitive foam adhesive.

Product Referral Generator

Connecting
– IDC Connectors . . . . . .pg. 27

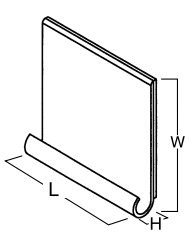
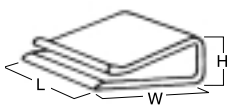
Terminating
– Terminals . . . . . .pg. 33

Features — Advantages — Benefits

Cable Clips and Ducts

Re-entry at any point	Easy access to contents	Saves time
Four designer colors	Blends discreetly with today's office equipment	Improves quality

Specifications and Ordering Information for 3M Cable Clips Series 700

	Product Number	UPC (054007-)	Cable O.D. Range	Clip Dimensions L x W x H	Inner Unit Pack	Case Qty.
	706	12972	0.125" Nominal (3 mm)	1.0" x 0.9" x 0.3" (25,4 x 22,8 x 7,6 mm)	100	1,000
	708	12998	0.187" Nominal (5 mm)	1.25" x 0.9" x 0.8" (31,7 x 22,8 x 20,3 mm)	100	1,000
	710	13012	0.250" Nominal (6 mm)	1.5" x 0.9" x 0.3" (38,1 x 22,8 x 7,6 mm)	100	1,000
	712	21387	0.312" Nominal (8 mm)	1.75" x 1.3" x 0.4" (44,4 x 33 x 10,1 mm)	100	1,000
	713	21429	0.375" Nominal (10 mm)	2.0" x 1.3" x 0.5" (50,8 x 33 x 12,7 mm)	100	1,000
	707	30445	0.250" Nominal (6 mm)	1.0" x 1.0" x 0.4" (25,4 x 25,4 x 10,1 mm)	100	1,000

Cable Ducts

3M™ Communication Duct

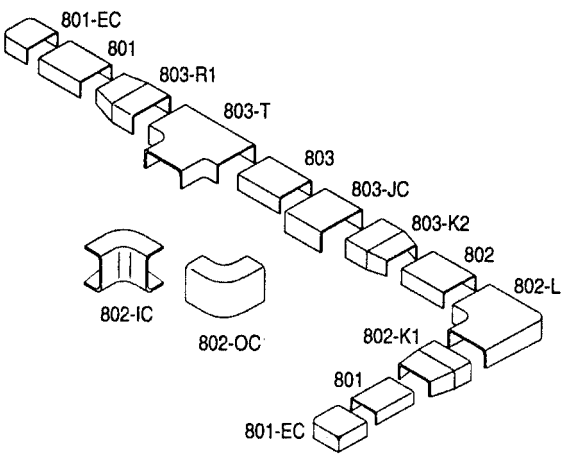
3M Communication Duct is the ideal solution when cable or wires cannot be installed within the wall. The communication duct is available in three sizes. A co-extruded hinge allows access to wire and cable without stress cracking or discoloration. Four colors — NEMA ivory, ash, gray and white — blend discreetly with today's office environment, and custom colors are available for volume purchase.

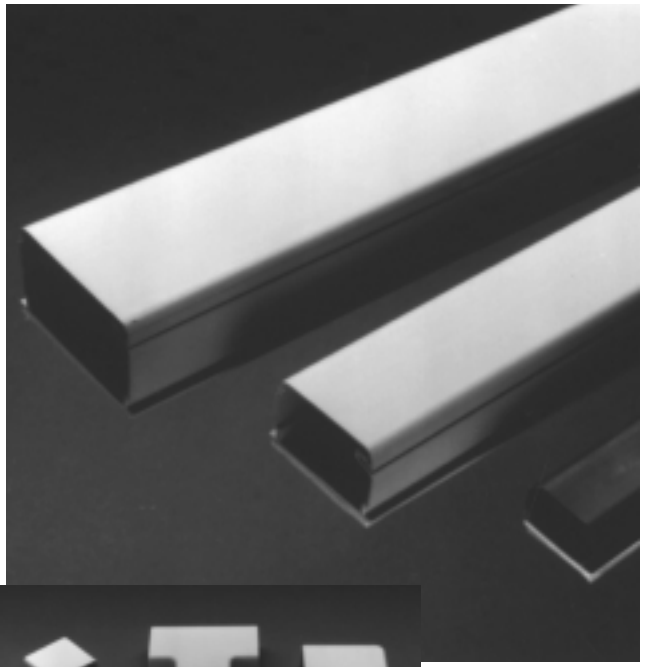
Other features include:

- Positive latching for easier, more secure installation of wires
- Foam-backed adhesive mounts quickly, even on masonry walls
- Symmetrical design and hidden latch mean fewer components
- One-piece design for easy installation
- Constructed of UL Recognized Component 94V-0 PVC
- Wide base for greater adhesive strength and longer product life; base conforms to accessories for a uniform appearance

3M Communication Duct Accessories

3M Communication Duct Accessories are available in corresponding sizes and colors for each of the three duct sizes. Accessories include joint covers, outside corners, inside corners, tees, end caps, elbows, reducers and access boxes.





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Glossary of Fastening Terms

Corner - protects and covers cable when it is laid along an outside corner, and at doorways.

Elbow - covers cable when it changes direction along a wall.

End Cap - encloses the end of duct.

Inside Corner - covers cable when it is laid along an inside corner of a room.

Joint Cover - covers connections of duct to a reducer.

Reducer - transitions from one size duct to another.

Tee - covers cable where it divides.

Product Referral Generator

Connecting
– IDC Connectors . . . . . .pg. 27
Solder Splice Connectors . . . . . .pg. 120
Terminating
– Terminals . . . . . .pg. 33

Specifications and Ordering Information for 3M™ Communications Ducts

Description	Duct Length	Ivory	UPC (054007-)	Ash	UPC (054007-)	Gray	UPC (054007-)	White	UPC (054007-)	Min. Order
0.75"W x 0.5"H x 4'L (1,9 cm x 1,3 cm x 1,2 m) Cable O.D. Range: Up to 0.25" (6 mm)	4' (1.2 m)	801I	68550	801A	68552	801G	68549	801W	91786	10/cs.
1.25"W x 0.75"H x 4'L (3,2 cm x 1,9 cm x 1,2 m) Cable O.D. Range: Up to 0.375" (10 mm)	4' (1.2 m)	802I	68554	802A	68556	802G	68553	802W	91787	10/cs.
1.75"W x 1.0"H x 4'L (4,4 cm x 2,5 cm x 1,2 m) Cable O.D. Range: Up to 1" (25 mm)	4' (1.2 m)	803I	68558	803A	68560	803G	68557	803W	91788	10/cs.
0.75"W x 0.5"H x 6'L (1,9 cm x 1,3 cm x 1,8 m) Cable O.D. Range: Up to 0.25" (6 mm)	6' (1.8 m)	801-6I	25644*	801-6A	25643*	801-6G	25646*	801-6W	92674	10/cs.
1.25"W x 0.75"H x 6'L (3,2 cm x 1,9 cm x 1,8 m) Cable O.D. Range: Up to 0.375" (10 mm)	6' (1.8 m)	802-6I	25648*	802-6A	25647*	802-6G	25650*	802-6W	92673	10/cs.
1.75"W x 1.0"H x 6'L (4,4 cm x 2,5 cm x 1,8 m) Cable O.D. Range: Up to 1" (25 mm)	6' (1.8 m)	803-6I	25652*	803-6A	25651*	803-6G	25654*	803-6W	92672	10/cs
Accessories										
Joint Cover	—	801I-JC	68570	801A-JC	68572	801G-JC	68569	801W-JC	91768	50/cs.
Joint Cover	—	802I-JC	68596	802A-JC	68598	802G-JC	68595	802W-JC	91769	50/cs.
Joint Cover	—	803I-JC	71175	803A-JC	71177	803G-JC	71174	803W-JC	91770	50/cs.
Outside Corner	—	801I-OC	68582	801A-OC	68584	801G-OC	68581	801W-OC	91765	50/cs.
Outside Corner	—	802I-OC	71163	802A-OC	71165	802G-OC	71161	802W-OC	91766	50/cs.
Outside Corner	—	803I-OC	71188	803A-OC	71190	803G-OC	71187	803W-OC	91767	50/cs.
Inside Corner	—	801I-IC	68578	801A-IC	68580	801G-IC	68577	801W-IC	91771	50/cs.
Inside Corner	—	802I-IC	71158	802A-IC	71160	802G-IC	68603	802W-IC	91772	50/cs.
Inside Corner	—	803I-IC	71184	803A-IC	71186	803G-IC	71183	803W-IC	91773	50/cs.
Tee	—	801I-T	68562	801A-T	68564	801G-T	68561	801W-T	91774	50/cs.
Tee	—	802I-T	68588	802A-T	68590	802G-T	68587	802W-T	91775	50/cs.
Tee	—	803I-T	71167	803A-T	71169	803G-T	71166	803W-T	91776	50/cs.
End Cap	—	801I-EC	68574	801A-EC	68576	801G-EC	68573	801W-EC	91777	50/cs.
End Cap	—	802I-EC	68600	802A-EC	68602	802G-EC	68599	802W-EC	91778	50/cs.
End Cap	—	803I-EC	71180	803A-EC	71182	803G-EC	71179	803W-EC	91779	50/cs.
Elbow	—	801I-L	68566	801A-L	68568	801G-L	68565	801W-L	91780	50/cs.
Elbow	—	802I-L	68592	802A-L	68594	802G-L	68591	802W-L	91781	50/cs.
Elbow	—	803I-L	71171	803A-L	71173	803G-L	71170	803W-L	91782	50/cs.
Reducer-803 to 802	—	803I-R2	71192	803A-R2	71194	803G-R2	71191	803W-R2	91783	25/cs.
Reducer-803 to 801	—	803I-R1	71196	803A-R1	71198	803G-R1	71195	803W-R1	91784	25/cs.
Reducer-802 to 801	—	802I-R1	71200	802A-R1	71202	802G-R1	71199	802W-R1	91785	25/cs.
Surface Mount Kits (kit includes adhesive-backed base, cover and screws)										
High-Profile Box	2" H (50,8 mm)	800I-HB	71204	800A-HB	71206	800G-HB	71203	800W-HB	91763	10/cs.
Low-Profile Box	1.25" H (31,7 mm)	800I-LB	71208	800A-LB	71210	800G-LB	71207	800W-LB	91764	10/cs.

* UPC prefix 051138-

Phone 800/245 3573 Fax 800/245 0329

Wire Marking and Identifying

- **Dispensers** pg. 154
- **Books** pg. 159
- **Computerized Systems** pg. 162

ScotchCode™ identification systems give you dozens of ways to mark your product. The line from 3M includes dispensers, preprinted alphanumeric and colored tape, write-on books and tags, and computerized systems of markers. You have the choice of pressure-sensitive adhesive or self-laminating adhesive — whichever is best for your needs. Use these products for marking wire and cable of all diameters, distribution panels, repair and replacement parts, wires and hoses in motorized vehicles, terminal strips, motor leads, sub-motor leads, sub-assembly leads, control panels and much more.

3M™ ScotchCode™ Self-Laminating Wire Markers 39

Features — Advantages — Benefits

3M™ ScotchCode Wire Marking and Identifying Products

Preprinted wire markers	Easy to read	Easy to use
Write-on wire markers	Convenient customization	Saves money
Wire marker tags	Easily removed or repositioned	Saves time
Self-laminating markers	Stay in place	Reduces worry
Adhesive marker	Long term	Security

? *Frequently Asked Questions*

How will I know if the STD dispenser is pre-filled or empty?	STD is empty; STD-C and STD-0-9 are pre-filled.
Which product do I use for high volume marking?	SCS-AM Computer Sheets.
Which dispensers come empty?	STD is empty.
Can I break case quantities?	Refer to your Price Pages under Broken Case Quantity.
What is the tape width on the STD rolls?	0.215 inches.
What are the number of digits on the rolls?	There are 576 digits per roll.

Dispensers

3M™ ScotchCode™ STD-TAG Dispenser

The patented ScotchCode STD-TAG Dispenser simplifies the process of permanently or temporarily marking wires with ScotchCode wire marker tags. The dispenser allows easy printing of the tag with a permanent marking pen. A built-in blade quickly and neatly cuts the marker. The dispenser also provides a handy platform on which to write, something that's not always readily available in the field.

The STD-TAG dispenser is refillable and designed to hold two cartridges of STD wire marking tags (two different sizes), as well as a ScotchCode SMP Permanent Marking Pen. The tool is rugged and compact. The tags are available in two sizes, STD-101 and STD-102. Applications for both types of tags include identifying wire, cable conduit and tubing, as well as bundling wire, cable or any other objects with a circumference which can be handled with a miniature or standard width cable tie.

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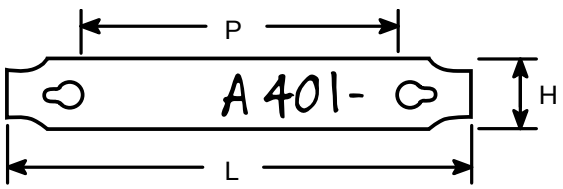
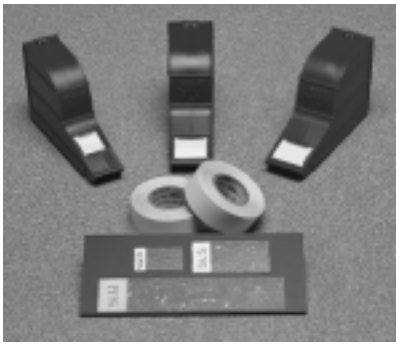
Specifications and Ordering Information for 3M ScotchCode STD-TAG Dispenser



Product Number	UPC (054007-)	Labels Per Roll	Write-On Area P	Write-On Area H	Marker Size L	Marker Size H	Recommended Wire Size	Min. Order Case Qty.
STD-TAG	50345	—	—	—	—	—	—	10*
STD-101	50346	50	1.53" (9,53 mm)	0.375" (61,0 mm)	2.40" (60,96 mm)	0.375" (9,53 mm)	18–10 AWG (0,75–4,0 mm²)	10 (0,5-1,5 mm²)
STD-102	50347	75	0.86" (21,84 mm)	0.250" (6,35 mm)	1.60" (40,6 mm)	0.250" (6,35 mm)	22–14 AWG (0,5–1,5 mm²)	10 (0,5–1,5 mm²)
SMP Marker Pen	09963	—	—	—	—	—	—	50

* This case quantity is 10 sets of: 1 STD-TAG, 1 STD-101, 1 STD-102, and 1 SMP pen.

3M™ ScotchCode™ Write-On Dispensers



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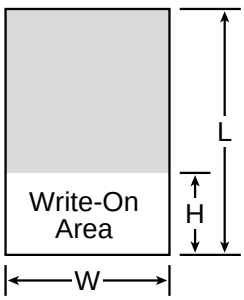
These three self-laminating, write-on marker dispensers are handy for identifying wire and cable as well as household, automotive, plumbing and sporting equipment.

They are easy to use, refillable and come with an SMP permanent marking pen. The dispensers' design provides convenience and protects the die-cut adhesive markers.

Applications:

- **Home use:** VCRs, TVs, cable, stereo components, phones, computers, luggage, satellite installation
- **Do-It-Yourself Home Improvements:** home security, sprinkler systems, sound systems, exterior lighting design
- **Automotive:** plugs, hoses, spark plugs, stereos, car alarms
- **Plumbing:** pipes, hoses, tubes, parts, vents
- **Sporting Equipment:** golf clubs, camping equipment, bags, bats, fishing rods, rackets, bicycles
- **Equipment Identification:** hand and power tools

Specifications and Ordering Information for ScotchCode Write-On Dispensers



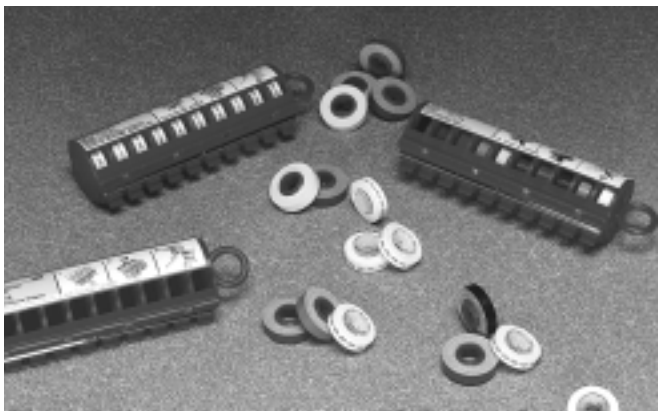
Product Number	UPC (054007-)	Description	Labels Per Roll	Write-On Area A	Write-On Area B	Marker Size A	Marker Size C	Recommended Wire O.D.	Inner Unit Pack	Min. Order Case Qty.
SLS	49653	Largest dispenser with tape and SMP pen	170	1" (25 mm)	0.5" (13 mm)	1" (25 mm)	2.312" (58 mm)	0.15 x 0.49" (3,8 x 12,4 mm)	1/card	10
SLS-R	49652	Refill roll for SLS	—	—	—	—	—	—	1/card	10
SLW	12177	Larger dispenser with tape and SMP pen	70	1" (25 mm)	0.75" (19 mm)	1" (25 mm)	5" (127 mm)	0.23 x 1.32" (5,8 x 35,5 mm)	1/card	10
SLW-R	49651	Refill roll SLW	—	—	—	—	—	—	1/card	10
SWD	11954	Regular dispenser with tape and SMP pen	50	0.75" (19 mm)	0.312" (8 mm)	0.75" (19 mm)	1.375" (35 mm)	0.09 x 0.31" (2,3 x 7,8 mm)	1/card	10
SWD-R	12201	Refill roll for SWD	—	—	—	—	—	—	1/card	10

Features — Advantages — Benefits

3M ScotchCode Write-On Dispensers

Ergonomically designed	Markers dispense easily	Easy to use
Pens and refill rolls sold separately	Reusable	Saves money
Die-cut markers now in small, medium and large	Provides a variety of uses	Increases productivity
Resists dirt, oil, heat and moisture	Markers stay clean & dry	Improves quality
Transparent overwrap with self-laminating, pressure-sensitive adhesive	Protects printing	Improves quality

3M™ ScotchCode™ STD Tape Dispenser



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The ScotchCode STD Tape Dispenser is a compact, carry-along dispenser with ten refillable compartments that hold eight-foot rolls of non-smear polyester tape. Used for marking binder groups, wire or cable, the tapes' high tack, acrylic adhesive resists solvents, oil and water, and adheres firmly to insulation surfaces. An end-loop hooks the dispenser easily to a tool pouch or belt. Dispensers can be ordered empty or filled with 10 rolls of either pre-printed numbers 0-9 or NEMA colors.

ScotchCode SDR Dispenser Refill Rolls

This aggressive adhesive system, combined with the flexible polyester film backing, provides a thin, conformable tape that is durable, and will hold up in most industrial electrical applications. The smooth surface of this tape allows dirt and grime to be easily wiped off, providing text legibility even after extended exposure to a build-up of contamination. ScotchCode SDR Wire Marking Tape is available in ten NEMA colors, individual numbers and consecutive numbers.

The SDR tape can be used for the following applications involving operating temperatures ranging from -40°F to 250°F (-40°C to 121°C):

- Marking all types of wire and cable including power, control, fiber optic, electronic, telecommunications and instrumentation
- Phase identification on large or small gauge wire or cable
- Identification of terminal blocks, terminal strips, and wire in panel boards or a piece of switchgear
- Automotive applications on tubing, hoses and replacement parts

Specifications and Ordering Information for ScotchCode Wire Marker Tape Dispensers

Product Number	UPC (054007-)	Description	Minimum Order Case Qty.
STD	12172	Dispenser only—holds 10 rolls	25
STD-X	49519	Dispenser only—holds 10 rolls	10
STD-0-9	12174	Dispenser filled with 10 rolls of numbered tape (one each of 0–9)	25
STD-0-9X	49518	Dispenser filled with 10 rolls of numbered tape (one each of 0–9)	10
STD-C	12175	Dispenser filled with 10 rolls of colored tape (one each of black, blue, brown, green, gray, orange, red, violet, white and yellow)	25
STD-CX	49517	Dispenser filled with 10 rolls of colored tape (one each of black, blue, brown, green, gray, orange, red, violet, white and yellow)	10

Features — Advantages — Benefits

ScotchCode STD Wire Marker Tape Dispenser

Compact Design	Easy to handle	Easy to use
Hangs from a tool belt	Convenient	Easy to use
Provides contamination protection around the wire markers	Markers stay clean & dry	Improves quality
Can be custom filled to meet specific project requirements	No waste	Saves money
Dispenses only the desired length	Prevents waste	Saves money
Holds ten rolls of SDR wire marking tape	Compact	Increases productivity

Specifications and Ordering Information for ScotchCode™ SDR Wire Marker Tape (refills)

Product Number	UPC (054007-)	Description	Inner Unit Pack	Case Qty.
SDR-0	09369	0	10/box	50
SDR-1	09370	1	10/box	50
SDR-2	09371	2	10/box	50
SDR-3	09372	3	10/box	50
SDR-4	09373	4	10/box	50
SDR-5	09374	5	10/box	50
SDR-6	09375	6	10/box	50
SDR-7	09376	7	10/box	50
SDR-8	09377	8	10/box	50
SDR-9	09378	9	10/box	50
SDR-0-9	09368	Consecutive 0–9	10 rls/pk	50 rolls or 5 packs
SDR 10-19	09379	Consecutive 10–19	10 rls/pk	50 rolls or 5 packs
SDR 20-29	09380	Consecutive 20–29	10 rls/pk	50 rolls or 5 packs
SDR 30-39	09381	Consecutive 30–39	10 rls/pk	50 rolls or 5 packs
SDR 40-49	09382	Consecutive 40–49	10 rls/pk	50 rolls or 5 packs
SDR 50-59	09383	Consecutive 50–59	10 rls/pk	50 rolls or 5 packs
SDR 60-69	09384	Consecutive 60–69	10 rls/pk	50 rolls or 5 packs
SDR 70-79	09385	Consecutive 70–79	10 rls/pk	50 rolls or 5 packs
SDR 80-89	09386	Consecutive 80–89	10 rls/pk	50 rolls or 5 packs
SDR 90-99	09387	Consecutive 90–99	10 rls/pk	50 rolls or 5 packs
SDR-A	09388	A	10/box	50
SDR-B	09389	B	10/box	50
SDR-C	09390	C	10/box	50
SDR-D	09391	D	10/box	50
SDR-E	09392	E	10/box	50
SDR-F	09393	F	10/box	50
SDR-G	09394	G	10/box	50
SDR-H	09395	H	10/box	50
SDR-I	09396	I	10/box	50
SDR-J	09397	J	10/box	50
SDR-K	09398	K	10/box	50
SDR-L	09399	L	10/box	50
SDR-M	09403	M	10/box	50
SDR-N	09405	N	10/box	50
SDR-O	09406	O	10/box	50
SDR-P	09407	P	10/box	50
SDR-Q	09408	Q	10/box	50
SDR-R	09409	R	10/box	50
SDR-S	09410	S	10/box	50
SDR-T	09411	T	10/box	50
SDR-U	09415	U	10/box	50
SDR-V	09416	V	10/box	50
SDR-W	09417	W	10/box	50
SDR-X	09418	X	10/box	50
SDR-Y	09419	Y	10/box	50
SDR-Z	09420	Z	10/box	50
SDR-L1	09400	L1	10/box	50
SDR-L2	09401	L2	10/box	50
SDR-L3	09402	L3	10/box	50
SDR-T1	09412	T1	10/box	50
SDR-T2	09413	T2	10/box	50
SDR-T3	09414	T3	10/box	50

Continued on next page

Specifications and Ordering Information for ScotchCode™ SDR Wire Marker Tape (refills) continued

Product Number	UPC (054007-)	Description	Inner Unit Pack	Case Qty.
SDR- + (Plus)	09421	—	10/box	50
SDR- – (Minus)	09422	—	10/box	50
SDR-BK	09423	Black	10/box	50
SDR-BL	09424	Blue	10/box	50
SDR-BN	09425	Brown	10/box	50
SDR-GN	09426	Green	10/box	50
SDR-GY	09427	Gray	10/box	50
SDR-MC	09404	Multiple Colors	10 rls/pk	50 rolls or 5 packs
SDR-OR	09428	Orange	10/box	50
SDR-RD	09429	Red	10/box	50
SDR-VL	09458	Violet	10/box	50
SDR-WH	09430	White	10/box	50
SDR-YL	09431	Yellow	10/box	50

Books

ScotchCode™ SPB Pre-Printed Wire Marker Books

When you need to mark wires quickly, try ScotchCode SPB Pre-printed Wire Marker Books. These handy books, 15 in all, contain printed vinyl-coated cloth wire and terminal markers with clearly printed letters, numbers and industry-standard legends. Books for alarm systems and load centers are also available. Each SPB book contains a minimum of 450 marks.

The cover of each SPB book lists the complete contents. On the back is a listing that helps you find the SPB book you need. For your convenience, 3M also includes a Post-it® note pad with every ScotchCode book.

ScotchCode SWB Write-On Books

This self-laminating, write-on marker was designed for small volume applications involving special or complex legends that are handwritten at the job site.

ScotchCode SMP Marker Pens

3M ScotchCode SMP Permanent Marking Pens are suggested for use with ScotchCode write-on products. These pens perform well on nonporous surfaces, have an extra-fine point with permanent, quick-drying ink and are available in black ink. They have superior UV and water resistance.

ScotchCode™ SPB Pre-printed Wire Marker Book 44

Features — Advantages — Benefits

ScotchCode Wire Marker Books

Clearly printed (SPB-specific)	Legible, neat	Easy to use
Wide variety of printed characters	Contain marks for several standard applications	Increases productivity
Single character marker included with each marker for terminal block identification	Convenient	Easy to use

Product Referral Generator

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Connecting
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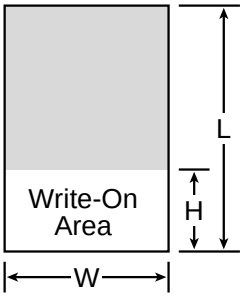
Specifications and Ordering Information for ScotchCode™ SPB Pre-Printed Wire Marker Book

Product Number	UPC (054007-)	Quantity (each)	Contents	Inner Unit Pack	Minimum Order Case Qty.
SPB-01	49951	45 15	0-9 L1-L3, T1-T3	1/bag	5
SPB-02	49952	10	A-Z, 0-15, +, –, /	1/bag	5
SPB-03	49953	10	1-45	1/bag	5
SPB-04	49954	150	1, 2, 3	1/bag	5
SPB-05	49955	150	A, B, C	1/bag	5
SPB-06	49956	150	T1, T2, T3	1/bag	5
SPB-07	49957	150	L1, L2, L3	1/bag	5
SPB-08	49958	6 4 2	1-15 16-90 A-Z, +, –, /, 0	1/bag	5
SPB-09	49959	45 30	1, 2, 3, A, B, C L1-L3, T1-T3	1/bag	5
SPB-11	49960	15	1-30	1/bag	5
SPB-12	49961	15 8 6 21	A-Z + — Write-On Markers	1/bag	5
SPB-13	49962	45 33 27 21	+, –, AC, DC POS, NEG, GND NEUT, SPARE Write-On Markers	1/bag	5
SPB-14	49963	10	46-90	1/bag	5
SPB-15AS1	49964	9 5 2 21	30 Alarm System Legends* 1-15 16-45 Write-On Markers	1/bag	5
SPB-16LC1	49965	5 110	68 Load Center Legends** Write-On Markers	1/bag	5

*30 Alarm System Legends: + Circuit +, - Circuit -, + DC, –DC, AC AC, ZONE 1, ZONE 2, ZONE 3, ZONE 4, ZONE 5, ZONE 6, ZONE 7, ZONE 8, ZONE 9, SHUNT, GROUND, FIRE, BA BA, FEED, RETURN, PHONE FEED, PHONE RETURN, BELL, ANNUNCIATOR, TAMPER, 12 VOLT, 16 VOLT, 24 VOLT, SMOKE DETECTOR,THERMOSTAT.

**68 Load Center Legends: MAIN, REFRIGERATOR, FREEZER, RANGE, DISPOSAL, COMPACTOR, DISHWASHER, KITCHEN LIGHTS, KITCHEN OUTLETS, GFI KITCHEN, LIVING LIGHTS 1, LIVING LIGHTS 2, LIVING OUTLETS 1, LIVING OUTLETS 2, DINING LIGHTS, DINING OUTLETS, DEN LIGHTS, DEN OUTLETS, BATH 1 GFI, BATH 1 OUTLETS, BATH 1 LIGHTS, BATH 2 GFI, BATH 2 OUTLETS, BATH 2 LIGHTS, BATH 3 GFI, BATH 3 OUTLETS, BATH 3 LIGHTS, BEDR'M 1 LIGHTS, BEDR'M 1 OUTLETS, BEDR'M 2 LIGHTS, BEDR'M 2 OUTLETS, BEDR'M 3 LIGHTS, BEDR'M 3 OUTLETS, BEDR'M 4 LIGHTS, BEDR'M 4 OUTLETS, BEDR'M 5 LIGHTS, BEDR'M 5 OUTLETS, REC LIGHTS, REC OUTLETS, PATIO LIGHTS, PATIO OUTLETS, HEATING 1, HEATING 2, AIR COND 1, AIR COND 2, WATER HEATER 1, WATER HEATER 2, WASHER, DRYER, OUTSIDE OUTLETS, ATTIC LIGHTS, ATTIC OUTLETS, BASEM'T LIGHTS, BASEM'T OUTLETS, UTILITY LIGHTS, UTILITY OUTLETS, DRIVEWAY LIGHTS, POOL GFI, POOL LIGHTS, POOL HEATING, SHED LIGHTS, SHED OUTLETS, ENTRY LIGHTS, ENTRY OUTLETS, GARAGE LIGHTS, GARAGE OUTLETS, SUNR'M LIGHTS, SUNR'M OUTLETS.

Specifications and Ordering Information for ScotchCode™ SWB Write-On Wire Marker Books



Product Number	UPC (054007-)	Labels per Book	Write-On Area W	Write-On Area H	Marker Size W	Marker Size L	Recommended Wire O.D.	Inner Unit Pack	Min. Order Case Qty.
SWB-1	49904	180	0.5" (13 mm)	0.5" (13 mm)	0.5" (13 mm)	1.5" (28 mm)	0.16 x 0.31" (4 x 8 mm)	1/bag	5
SWB-2	49905	120	0.75" (19 mm)	0.75" (19 mm)	0.75" (19 mm)	1.75" (44 mm)	0.24 x 0.31" (6 x 8 mm)	1/bag	5
SWB-3	49906	60	1.0" (25 mm)	1.0" (25 mm)	1.0" (25 mm)	2.85" (72 mm)	0.32 x 0.58" (8 x 15 mm)	1/bag	5
SWB-4	49907	30	1.0" (25 mm)	1.0" (25 mm)	1.0" (25 mm)	5.0" (127 mm)	0.32 x 1.55" (8 x 39 mm)	1/bag	5

Specifications and Ordering Information for ScotchCode SMP Marker Pens

Product Number	UPC (054007-)	Ink Color	Inner Unit Pack	Case Qty.
SMP-B	09963	Black	10/box	50

Computerized Systems

ScotchCode™ SCS-ASW Software

Wire marker printing is no longer a time-consuming job thanks to the ScotchCode SCS-ASW Computer Sheet Software (version 2.0). Virtually any 3M adhesive style computer wire marker can be printed in a wide variety of sizes. You can also store multiple custom lists using our software. This product runs on most IBM and compatible personal computers, eliminating costly label-making machines. We added features that include on-line help screens, text import capability, single key field entry and a print preview/alignment feature for your convenience.

ScotchCode SCS-AM Adhesive Wire Marker Computer Sheets

3M ScotchCode SCS-AM Adhesive Wire Markers take advantage of electronic word processing to help you "custom" create your markers for all your applications. Each marker has a clear, self-laminating, wrap-around tail that protects the legend from oil, grease, water, chemicals and other foreign matter. SCS computer sheets are pin-fed, continuous sheets perforated to allow separation on individual rows of markers. The fan-folding provides easy fit in a shirt pocket. Markers are sold by the case.

ScotchCode STS Wire Marker Type-On Sheets

ScotchCode STS Wire Marker Type-On Sheets differ from the SCS computer sheets in their absence of tractor-feed holes and perforations between sheets. They are packaged to hand-feed into your typewriter, with 100 individual one-page sheets per case.

ScotchCode™ SCS-ASW Software and SCS-AM Computer Sheets 45

Product Referral Generator

Connecting
– Spring Connectors . . . . . .pg. 22
Taping . . . . . .pg. 1
Terminating
– Terminals . . . . . .pg. 33
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Tubing
– Heat Shrink . . . . . .pg. 309

Features — Advantages — Benefits

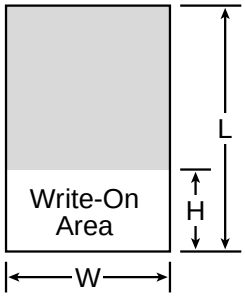
ScotchCode SCS Wire Marker Computer Sheets

Markers are easy to apply	Creates efficiency in the field	Increases productivity
Wrap around application is excellent for marking round and flat cables	Able to apply in variety of locations	Saves time
Transparent legend overwrap protects print	Keeps mark legible	Improves quality
3M software provides user friendly marker design	Marks can be prepared prior to need in field	Increases productivity
Resists dirt, heat, oil and moisture	Keeps mark clear and dry	Improves quality
Fifteen sizes to choose from	Meets most application needs	Improves quality
Excellent for high volume applications	Computerized marking system creates efficiency	Increases productivity
Over-wrapped tail	Keeps text clear and legible	Improves quality

Specifications and Ordering Information for ScotchCode SCS-ASW Computer Sheet Software

Product Number	UPC (054007-)	Description	Minimum Order Case Qty.
SCS-ASW 2.0	50191	Floppy Diskettes: 3.5, IBM and IBM Compatibles; File Size: 515K; Required RAM: 512K	1

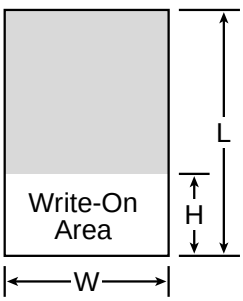
Specifications and Ordering Information for ScotchCode™ SCS-AM Computer Sheet Wire Markers



Product Number	UPC (054007-)	Write-On Area W	Write-On Area H	Marker Size W	Marker Size L	Sheet Width	Markers per Row	Markers per Sheet	Sheets per Box	Min. Order Case Qty.
SCS-AM02*	49380	0.50" (12,70 mm)	0.38" (9,65 mm)	0.50" (12,70 mm)	0.75" (19,05 mm)	9.5" (241,30 mm)	14	168	30	5,000 markers
SCS-AM04	49381	0.50" (12,70 mm)	0.50" (12,70 mm)	0.50" (12,70 mm)	1.44" (36,58 mm)	9" (228,60 mm)	16	128	40	5,000 markers
SCS-AM06*	49382	0.75" (19,05 mm)	0.50" (12,70 mm)	0.75" (19,05 mm)	1.75" (44,45 mm)	9" (228,60 mm)	9	54	93	5,000 markers
SCS-AM08	49383	0.80" (20,32 mm)	0.50" (12,70 mm)	0.80" (20,32 mm)	1.44" (36,58 mm)	6.3" (160,02 mm)	6	48	105	5,000 markers
SCS-AM10	49384	1.00" (25,40 mm)	0.50" (12,70 mm)	1.00" (25,40 mm)	1.44" (36,58 mm)	9" (228,60 mm)	8	64	79	5,000 markers
SCS-AM12	49385	1.00" (25,40 mm)	0.75" (19,05 mm)	1.00" (25,40 mm)	2.25" (57,15 mm)	9" (228,60 mm)	8	32	157	5,000 markers
SCS-AM14	49386	1.00 " (25,40 mm)	1.00" (25,40 mm)	1.00" (25,40 mm)	3.75" (92,25 mm)	9" (228,60 mm)	8	24	105	2,500 markers
SCS-AM16*	49387	1.00" (25,40 mm)	1.50" (38,10 mm)	1.00" (25,40 mm)	5.94" (150,88 mm)	9.5" (241,30 mm)	8	16	157	2,500 markers
SCS-AM18*	49388	1.00" (25,40 mm)	1.50" (38,10 mm)	1.00" (25,40 mm)	7.44" (188,98 mm)	9.5" (241,30 mm)	4	6	157	2,500 markers
SCS-AM20	49389	1.90" (48,26 mm)	0.75" (19,05 mm)	1.90" (48,26 mm)	3.19" (81,03 mm)	9" (228,60 mm)	4	12	209	2,500 markers
SCS-AM22	49390	2.00" (50,80 mm)	0.50" (12,70 mm)	2.00" (50,80 mm)	1.44" (36,58 mm)	9" (228,60 mm)	4	32	157	5,000 markers
SCS-AM24	49391	2.00" (50,80 mm)	0.75" (19,05 mm)	2.00" (50,80 mm)	2.25" (57,15 mm)	9" (228,60 mm)	4	16	157	2,500 markers
SCS-AM26	49392	2.00" (50,80 mm)	1.00" (25,40 mm)	2.00" (50,80 mm)	3.75" (92,25 mm)	9" (228,60 mm)	4	12	209	2,500 markers
SCS-AM28	49393	2.00" (50,80 mm)	1.50" (38,10 mm)	2.00" (50,80 mm)	5.94" (150,88 mm)	9" (228,60 mm)	4	8	313	2,500 markers
SCS-AM30*	49394	2.00" (50,80 mm)	1.50" (38,10 mm)	2.00" (50,80 mm)	7.44" (188,98 mm)	9.5" (241,30 mm)	4	8	313	2,500 markers

*Denotes product numbers that must be printed on a wide-carriage printer.

Specifications and Ordering Information for ScotchCode STS Type-On Sheet Markers



Product Number	UPC (054007-)	Write-On Area W	Write-On Area H	Marker Size W	Marker Size L	Sheet Width	Markers per Row	Markers per Sheet	Minimum Order Case Qty.
STS	12317	0.75" (19 mm)	0.3125" (8 mm)	0.75" (19 mm)	1.375" (35 mm)	8.5" (215,90 mm)	11	55	100 sheets

Phone 800/245 3573 Fax 800/245 0329

Aerosols and Spray Adhesives

- **Cleaners** pg. 166
- **Degreasers** pg. 167
- **Spray Adhesives** pg. 169
- **Packaging Adhesives** pg. 171

3M offers a full line of convenient push-button aerosol worksavers for your electrical coating and maintenance needs. Just a touch of the finger is all it takes to clean, degrease or make equipment work like new. Everything you need comes from 3M in convenient, economical and easy-to-store cans. They're fast and easy to use.

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Cleaners

3M™ Citrus-Based Industrial Cleaner

3M Citrus-Based Industrial Cleaner is a multi-purpose, heavy-duty degreaser/cleaner that works effectively on hard-to-remove substances including most grease, oils, grime, inks and tape residue, and most non-curing adhesives. You simply spray it on the surface and let it go to work. It is non-corrosive and has a fresh citrus scent. It can be used to remove grease and oil from equipment, and tar from roofing equipment. It softens liquid adhesive and cleans overspray from equipment. It is pale yellow in color.

3M 16-101 General Purpose Contact Cleaner

For precision cleaning, HCFC/alcohol-based solvent 3M 16-101 General Purpose Contact Cleaner is the right choice. Quick drying and non-corrosive, this product is designed for electrical connections and terminations including contacts, relays, switches, instrumentation and sensors. Strong enough to meet today's most sophisticated cleaning challenges, the 16-101 general purpose contact cleaner removes contaminants such as light oils, then evaporates quickly without any residue. Read and observe warning on the label. Not for use on energized equipment.

3M 16-102 Quick Drying Contact Cleaner

Some applications, such as electrical and electronic components, require solvents that dry rapidly and for these applications, 3M 16-102 Quick Drying Contact Cleaner is an excellent choice. This petroleum distillate/alcohol-based solvent quickly tackles precision cleaning jobs such as sensors, relays, motor controls, switches, generators, contacts, electro-mechanical assemblies, circuit breakers, printed circuit boards, plugs and jacks, and terminals. Removes soil and other contaminants from delicate equipment with a fast drying solution that leaves no residue. This product is extremely flammable. Read and observe warning on the label. Not for use on energized equipment.

3M 16-103 High Flash Contact Cleaner

3M 16-103 High Flash Contact Cleaner is a high flashpoint solvent for precision cleaning applications. Its uses include electrical connections and terminations such as contacts, relays, switches, instrumentation and sensors.

It can also be used for electric motors, generators, switchgear, circuit breakers, fusible disconnecting devices, rheostats, instrumentation and communications equipment. The 16-103 high flash contact cleaner penetrates into minuscule spaces and provides controlled evaporation, leaving no residue. A great alternative to CFCs, this is an effective petroleum distillate/alcohol/ester-based product that provides outstanding cleaning action. This product is extremely flammable. Read and observe warning on the label. Not for use on energized equipment.

3M™ 16-101 General Purpose Contact Cleaner 47

3M 16-201 General Electrical Cleaner

For electrical cleaning and degreasing applications, 3M 16-201 General Electrical Cleaner is the solution. This product is ideal for electrical and mechanical equipment including motors, pumps, generators, hoists, lifts, compressors, insulators, corroded machinery and switches. The 16-201 general electric cleaner is characterized by a high flashpoint, minimal odor and controlled evaporation, which enhances its cleaning action. It is a petroleum distillate/alcohol-based, non-corrosive cleaner that maximizes operating efficiency, extends equipment life and leaves no residue behind. This product is extremely flammable. Not for use on energized equipment.

3M 16-207 Electrical Parts Cleaner

Now there's a better way to clean electrical and mechanical equipment including motors, pumps, generators, hoists, lifts, compressors, air tools, mechanical brakes and clutches, chains and wire rope, relays, dies and molds. 3M 16-207 Electrical Parts Cleaner is a fast, efficient alternative to 1,1,1 Trichloroethane. Remove dirt, grease and oil from motors and other equipment with a non-staining, non-corrosive, high dielectic solution. The 16-207 cleaner evaporates quickly, leaving no residue. This product is extremely flammable. Not for use on energized equipment.

3M 16-301 Natural Cable Cleaner

During cable preparation for splicing or terminating, apply 3M 16-301 Natural Cable Cleaner to jackets and insulation to remove contaminants. Produced without 1,1,1 Trichloroethane or other halogenated solvent-based cable cleaners, this citrus-based aerosol has a high flashpoint and is excellent for cable preparation. This product is extremely flammable. Read and observe warning on the label. Not for use on energized equipment.

3M™ 16-303 High Flash Cable Cleaner

Clean cable jackets and insulation before splicing and terminating by removing contaminants with 3M 16-303 High Flash Cable Cleaner. A low odor, petroleum distillate/alcohol/ester-based cleaner, the 16-303 high flash cable cleaner is created without 1,1,1 Trichloroethane or other halogenated solvents. The 16-303 cleaner is particularly effective in applications that call for a high flashpoint formulation. This product is extremely flammable. Read and observe warnings on the label. Not for use on energized equipment.

3M 16-305 Quick Drying Cable Cleaner

3M™ 16-305 Quick Drying Cable Cleaner 48

Use 3M 16-305 Quick Drying Cable Cleaner to remove contaminants on cable jackets and insulations before splicing and terminating. Produced without 1,1,1 Trichloroethane or other chlorinated solvent-based cable cleaners, this aerosol dries quickly and leaves no residue. The 16-305 quick drying cable cleaner is non-corrosive and non-staining. This product is extremely flammable. Read and observe warnings on the label. Not for use on energized equipment.

Degreasers

Remove oil quickly and effectively with one of two 3M degreasers. Formulated without chlorinated solvents, these products offer an excellent solution for removing grease from electrical and mechanical equipment including motors, pumps, switches, generators and other machinery. The natural degreaser can safely be used on all metals and is the right choice for applications that demand a more gentle alternative.

3M 16-203 Quick Drying Parts and Equipment Degreaser

No matter what the degreasing application, 3M 16-203 Quick Drying Parts and Equipment Degreaser can get it done fast. This low-odor, petroleum distillate/alcohol-based degreasing solvent replaces 1,1,1 Trichloroethane and other halogenated solvents used on electrical and mechanical equipment including motors, pumps, switches, generators, hoists, lifts, compressors, corroded machinery, air tools, chains and wire rope, molds, dies and bearings. The non-corrosive 16-203 cleaner penetrates fast to get out the oil, grease and other contaminants and dries quickly leaving no residue. This product is extremely flammable. Not for use on energized equipment.

3M 16-205 Natural Degreaser

When a safe, natural cleaning alternative is required, 3M 16-205 Natural Degreaser is the answer. Use this citrus-based cleaner/degreaser for electrical and mechanical equipment including motors, pumps, generators, hoists, lifts and compressors. This natural degreaser is non-corrosive, safe enough to use on all metals and requires no rinsing. This product is extremely flammable. Read and observe warning on the label. Not for use on energized equipment.

3M™ 16-201 General Electric Cleaner 49

Specifications and Ordering Information for 3M™ Cleaners and Degreasers

Product Number	UPC (054007-)	Contents Volume	Contents Weight	Can Size	Minimum Order Case Qty.
Citrus-Based Industrial Cleaner					
Citrus-Based Industrial Cleaner	76394*	23 fl. oz. (680 ml)	—	24 fl. oz. (710 ml)	12
Contact Cleaners					
16-101	42817	16 fl. oz.	12 oz.	16 fl. oz.	12
16-102	42818	16 fl. oz.	10.5 oz.	16 fl. oz.	12
16-103	42819	16 fl. oz.	12 oz.	16 fl. oz.	12
General Use Cleaners					
16-201	42820	16 fl. oz.	12 oz.	16 fl. oz.	12
16-207	42823	16 fl. oz.	10.5 oz.	16 fl. oz.	12
Cable Cleaners					
16-301	42824	16 fl. oz.	12 oz.	16 fl. oz.	12
16-303	42825	16 fl. oz.	12 oz.	16 fl. oz.	12
16-305	42826	16 fl. oz.	10.5 oz.	16 fl. oz.	12
Degreasers					
16-203	42821	16 fl. oz.	10.5 oz.	16 fl. oz.	12
16-205	42822	16 fl. oz.	12 oz.	16 oz.	12

* UPC prefix 021200-

Spray Adhesives

3M aerosol adhesives are based on 3M pioneering technology. These aerosol adhesives are formulated for industrial performance requirements.

3M™ 72 Pressure Sensitive Adhesive

3M 72 Pressure Sensitive Adhesive is a repositionable adhesive with aggressive tack and low soak-in. Use it for bonding polyethylene film and foam, carpet, pipe insulation lap, and for temporarily positioning and holding many fabrics and papers. It has precise spray control with a wide spray pattern.

3M Super 74 Foam Fast Adhesive

3M 74 Foam Fast Adhesive gives fast tack with foam-tearing strength and a soft, non-dimpling glue line. Use it for general upholstery foam bonding; to bond small foam pieces together to safe foam; to form foam shapes by knife-edge bonding, boxing and edge turning. It attaches foam to metal and bonds most fabrics to aircraft interiors, speakers and office partitions. It has a non-misting, precise spray pattern.

3M 75 Repositionable Adhesive

3M 75 Repositionable Adhesive is a clean “tape-like” adhesive that adheres in seconds, yet permits material to be repositioned. It resists bleeding, staining and wrinkling plus has a smooth glue line. Use it to hold badges during stitching, patterns prior to cutting, T-shirts during silk-screening and to hold paper masking in place.

3M 76 High Tack Adhesive

3M 76 High Tack Adhesive is a strong, one-surface adhesive with high temperature resistance. It as non-misting, precise spray control and does not cavitate expanded polystyrene foam. It can be used to bond carpet, door skins and fabric in van conversions; insulation in aircraft interiors and specialty cabinets; and to attach nameplates, pool table fabrics, swimming pool liners and pipe insulation.

3M Super 77 Spray Adhesive

3M 77 Spray Adhesive has high coverage; fast, aggressive tack; and a long-bonding range. It meets performance requirements of MMM-A-1058A. 77 Spray Adhesive is versatile — it securely bonds most light-weight materials, plus it has low soak-in for long-lasting bonds. It is excellent for jobs in display and furniture — it bonds thin decorative film, foils and fabrics. It bonds gaskets in water pumps and attaches insulation to sheet metal. It attaches wiring diagrams and labels. It is a very versatile adhesive.

Product Referral Generator

Lubricants . . . . . pg. 173
Cleaners . . . . . pg. 166
Packaging . . . . . pg. 171

50

3M 80 Neoprene® Contact Adhesive

3M 80 Neoprene Contact Adhesive is plasticizer resistant and high temperature resistant to 200°F (93°C). It is fast drying and fast bonding; a durable, high strength adhesive. 80 Neoprene Contact Adhesive meets physical requirements of MIL-A-24179A and MMM-A-130B, and can be used for all types of rubber bonding except EPDM. It bonds most supported vinyl and leather. It adheres stainless steel panels; stiffeners; metal kick plates; and most plastics, laminates and wood products.

3M 90 High Strength Adhesive

3M 90 High Strength Adhesive has high contact strength and a one-minute dry time under most conditions. Its high temperature resistance meets performance requirements of MMM-A-130B. Use 90 High Strength Adhesive for bonding decorative laminate to tables, cabinets, and shelving; kick plates to desks; and plastic sign lettering to wood. It adheres polyethylene and polypropylene to wood, metal and more.

3M 201 General Purpose Spray Adhesive

To bond lightweight substrates from paper and fabrics to plastics, wood, aluminum and more, use the water-based, 3M 201 General Purpose Spray Adhesive. This non-flammable spray adhesive is temperature resistant to 160°F (71°C) and is VOC free.

Specifications for 3M™ Spray Adhesives

Product Number	Bond Type	Bonding Time	Spray Width	Spray Pattern	Color	Temperature Resistance	Coverage
72	Temporary or Permanent	One side – 8 hours; two sides – 7 days	3 to 3.5 in.	Controlled Lace	Blue	120°F (48°C)	100 sq. ft. (9,29 m^2)
Super 74	Permanent	One side – not recommended; two sides – 15 minutes	1 to 3 in., variable	Lace	Light Orange	120°F (48°C)	269 sq. ft. (24,99 m^2)
75	Repositionable	One side – 1 hour; two sides – 3 hours	1.5 inches	Particle	Clear	120°F (48°C)	100 sq. ft. (9,29 m^2)
76	Permanent	One side – 10 minutes; two sides – 30 minutes	1 to 3 in., variable	Controlled Lace	Translucent	160°F (71°C)	100 sq. ft. (9,29 m^2)
Super 77	Temporary or Permanent	One side – 15 minutes; two sides – 30 minutes	1 to 3 in., variable	Particle	Nearly Clear	110°F (43°C)	77 – 220 sq. ft. (7,15 – 20,44 m^2)
80	Permanent	One side – not recommended; two sides – 60 minutes	3 to 5 in.	Lace	Yellow	200°F (93°C)	74 sq. ft. (6,87 m^2)
90	Permanent	One side – not recommended; two sides – 15 minutes	1 to 3 in.; variable	Controlled Lace	Translucent	160°F (71°C)	100 sq. ft. (9,29 m^2)
201	Permanent	One side – 30 minutes; two sides – 60 minutes	n/a	Mist	Translucent	160°F (71°C)	260 sq. ft. (24,15 m^2)

Ordering Information for 3M Spray Adhesives

Product Number	UPC (021200-)	Description	Can Size	Minimum Order Case Qty.
72	30025	Pressure Sensitive Adhesive	24 fl. oz. (710 ml)	12
Super 74	82242	Foam Fast Adhesive	24 fl. oz. (710 ml)	12
75	30067	Repositionable Adhesive	16 fl. oz. (473 ml)	12
76	30026	High Tack Adhesive	24 fl. oz. (710 ml)	12
Super 77	21210	Spray Adhesive	24 fl. oz. (710 ml)	12
80	82618	Neoprene® Contact Adhesive	24 fl. oz. (710 ml)	12
90	30023	High Strength Adhesive	24 fl. oz. (710 ml)	12
201	89315	General Purpose Adhesive	16 fl. oz. (473 ml)	12

Packaging Adhesives

3M™ Shipping-Mate™ Labeling Adhesive

3M Shipping-Mate Labeling adhesive is a high performance formulation that sticks to many surfaces where other adhesives or gummed labels fail. It is fast tacking, holds labels to nearly any surface, and is moisture resistant. Labeling adhesive leaves no residual tack. Labels adhered with Shipping-Mate Labeling Adhesive remain securely attached for months. Adhesive is clear in color.

3M™ Shipping-Mate Labeling Adhesive 51

3M Shipping-Mate Box Re-Nu Coating

Cover most printing and labels with a permanent, uniform tan color for reuse of corrugated cartons with 3M Shipping-Mate Box Re-Nu Coating. Get more mileage out of each package with this remarkable coating product.

3M™ Shipping-Mate Box Re-Nu Coating 52

3M Shipping-Mate Case Sealing Adhesive

Save time and money by resealing cartons that come unglued or that have to be opened and resealed with 3M Shipping-Mate Case Sealing Adhesive. Convenient for shipping room carton closure and warehouse reclosure after inspection, the case sealing adhesive has a ten-second holding strength with carton-tearing strength in 5 minutes. This product is temperature resistant to 160°F (71°C).

3M™ Shipping-Mate Case Sealing Adhesive 53

Specifications and Ordering Information for 3M Packaging Adhesives

Product Number	UPC (021200-)	Description	Can Size	Minimum Order Case Qty.
Labeling Adhesive	76167	Spray for adhering labels	24 fl. oz. (680 ml)	12
Re-Nu Coating	85851	Spray to cover printing labels	16 fl. oz. (453 ml)	12
Case Sealing Adhesive	30024	Spray to seal packaging	24 fl. oz. (680 ml)	12

Phone 800/245 3573 Fax 800/245 0329

Lubricants and Coatings

- **Lubricants and Cable Looseners** **pg. 174**
- **Coatings and Protectants** **pg. 177**

3M's complete line of Wire Pulling Lubricants are designed for specific applications, so you can choose the right lubricant for the job at hand. You can count on 3M reliability through high pulling forces, extreme temperature changes, wet weather and the damaging effects of time.

3M's line of coatings and protectants protect surfaces against moisture, corrosion and other contaminants.

54

? *Frequently Asked Questions*

For pulling wires, which type of lubricant should be used—a wax or a water-based gel?

Regular (WL) or Wax (WLX) for wire/cable pulling. Wax (WLX) is best when water in conduit is suspected or higher storage/application temperature is expected 194°F (90°C).

Lubricants and Cable Looseners

3M™ Silicone Lubricant

55

3M Silicone Lubricant lubricates, protects, and is used on tuners and switches, plastic gears and drives, locks and hinges, drawer guides and other sliding parts. It reduces squeaks caused by friction, and helps to relieve sticking and seizing. Silicone lubricant inhibits rust and corrosion; resists moisture; helps preserve plastic, rubber and leather materials; and impedes buildup of glues, waxes, inks, paints and the like. It also reduces friction when cutting tools are used. A silicone polymer, this product contains no petroleum oils and is temperature stable from -28°F (-33°C) to 350°F (176°C).

3M 5-Way Penetrant

56

3M 5-Way Penetrant is designed to penetrate, lubricate, demoisturize and protect electrical apparatus. It provides protection against electrical failures caused by moisture and corrosion. 5-Way Penetrant protects component products such as switches, relays, batteries, motors and generators, and keeps them highly efficient, even in humid environments. Very low surface tension causes 5-Way Penetrant to force its way under water on metal surfaces, displacing moisture.

3M 16-703 Storing Lubricant

57

Protect equipment and parts in storage and in shipment with the long-lasting 3M 16-703 Storing Lubricant. Excellent for use on electrical and mechanical equipment such as motors, pumps, generators, hoists, lifts, and compressors, the 16-703 storing lubricant inhibits corrosion by displacing moisture. It provides a 3-5 year shelf life and meets MIL-C-81309 requirements. This product is extremely flammable. Read and observe warnings on the label. Not for use on energized equipment.

3M Wire Pulling Lubricant Gel

58

3M Wire Pulling Lubricant Gel is a water-soluble, translucent white gel that is easy to handle and apply to wire and cable without runs or drips. The lubricant produces a low coefficient of friction that lessens the chance of wire damage from high pulling forces. Not only does Wire Pulling Lubricant Gel make wire pulling jobs smoother and safer, it also wipes off the cable quickly and cleanly before terminating or splicing. The consistent gel does not liquefy, or separate with hot or cold aging. It stays thick, smooth and ready to apply.

3M Wire Pulling Lubricant Communications

59

3M Wire Pulling Lubricant Communications is a slow drying, water-based liquid lubricant formulated for lightguide cable pulling. The lubricant produces a low coefficient of friction that lessens the chance of lightguide cable damage from high pulling forces. Wire Pulling Lubricant Communications provides maximum tension reduction for long fiber optic pulls, multiple bend pulls and pulls in hot environments. It will not stress crack low-density polyethylene and is compatible with a broad range of cable jackets.

3M Wire Pulling Lubricant Wax/Gel

60

3M Wire Pulling Lubricant Wax/Gel can be used and stored in temperatures as high as 194°F (90°C), making it the choice for hot weather applications. The thick, consistent lubricant does not liquefy or separate with hot aging; it scoops and applies easily to wire and cable without runs or drips in hot temperatures; and it will not evaporate too soon after pulls. The lubricant's low friction coefficient lessens the chance of wire damage from high pulling forces, wipes off the cable quickly and cleanly and leaves less residue in the conduit to block future pulls or prevent removal. Because Wire Pulling Lubricant Wax/Gel can be immersed in water for 30 minutes with minimal weight loss, it is also the choice for wet weather applications.

3M Wire Pulling Lubricant Wintergrade

61

3M Wire Pulling Lubricant Wintergrade can be used and stored in temperatures as low as 10°F (-12°C), making it the choice for cold weather applications. The thick lubricant remains easy to scoop and apply to wire and cable without runs, or drips in both warm, and cold temperatures. The lubricant produces a low coefficient of friction that lessens the chance of wire damage from high pulling forces. It wipes off the cable quickly and cleanly before terminating, or splicing common wire and cable jackets.

Features — Advantages — Benefits

Wire Pulling Lubricant Gel

Temperature stable	Lube is not wasted	Saves money
Thick, non-runny gel	Faster and neater application. Less waste	Saves money
Colorless and non-staining	Faster and easier clean-up	Saves time
Low coefficient of friction	Less wire damage and equipment wear	Safety
Low residue (<3.5% solids)	Easier cable replacement during refurbishment	Saves time
UL Listed. Broadly compatible with wire and cable jackets.	Lubricant suitable for multiple uses — electrical, co-ax, high voltage. Minimizes inventory investment	Saves money

Wire Pulling Lubricant Communications

Pourable	Coats evenly	Easy to use
Low residue	Less wire damage and equipment wear	Saves money
Non-staining and slow drying	Faster and easier clean-up	Saves time
Compatible with fiber optic, telephone and communications cable	Does not stress crack polyethylene	Safety
Does not separate at high or subfreezing temperatures	No waste due to phase separation	Saves money

Wire Pulling Lubricant Wax/Gel

5.3% solid residue	Easier cable replacement during refurbishment	Saves time
Heat stable at 194°F (90°C) for 24 hours	No ruined, runny lube, low evaporation rate	Saves money
30 minutes immersed in water with minimal weight loss	Easier pulling in wet conditions	Easy to use

Wire Pulling Lubricant Wintergrade

Temperature stable*	Lube is not wasted	Saves money
Thick, non-runny gel	Faster and neater application. Less waste	Saves money
Non-staining	Faster and easier clean-up	Saves time
Low coefficient of friction	Less wire damage and equipment wear	Safety
Low residue (<3.5% solids)	Easier cable replacement during refurbishment	Saves time
Broadly compatible with wire and cable jackets inventory	Lubricant suitable for multiple uses — electrical, co-ax, high voltage. Minimizes investment	Saves money

*Useable from 10°F to 110°F (-12°C to 43°C)

Product Referral Generator

Connecting
– Spring Connectors . . . . . .pg. 22
– Insulation Displacement Connectors . . .pg. 27

Identifying
– Wire Markers . . . . . .pg. 153

Terminating
– Terminals . . . . . .pg. 33

Fastening
– Cable Ties . . . . . .pg. 143

Specifications and Ordering Information for 3M™ Lubricants

Product Number	UPC (054007-)	Size	Weight (Lbs./Case)	Minimum Order Case Qty.
Silicone Lubricant				
Silicone Lubricant	85822*	13.25 oz., Can	24 fl. oz. (710 ml)	12
Silicone Lubricant Pump	89460*	6 fl. oz., Pump	6.1 (2,77 kgs)	12
5-Way Penetrant				
5-Way Penetrant	21305*	24 fl. oz. (710 ml)	17 oz. (481 gr)	12
Storing Lubricant				
16-703 Storing Lubricant	42830	16 fl. oz. (473 ml)	12.6 (5,72 kgs)	12
Wire Pulling Lubricant Gel				
WL-QT	50622	1-quart bottle, Gel	28.0 (12,7 kgs)	12
WL-1	50623	1-gallon pail, Gel	35.0 (15,9 kgs)	4
WL-5	50624	5-gallon pail, Gel	42.0 (19,05 kgs)	1
WL-55	50625	55-gallon drum, Gel	460.0 (208,65 kgs)	1
Wire Pulling Lubricant Communication				
WLC-QT	41783	1-quart bottle, Communications	28.0 (12,7 kgs)	12
WLC-1	41784	1-gallon pail, Communications	35.0 (15,9 kgs)	4
WLC-5	41785	5-gallon pail, Communications	42.0 (19,05 kgs)	1
WLC-55	41786	55-gallon drum, Communications	460.0 (208,65 kgs)	1
Wire Pulling Lubricant Wax				
WLX-QT	41742	1-quart bottle, Wax	28.0 (12,7 kgs)	12
WLX-1	41743	1-gallon pail, Wax	35.0 (15,9 kgs)	4
WLX-5	41744	5-gallon pail, Wax	42.0 (19,05 kgs)	1
WLX-55	41745	55-gallon drum, Wax	460.0 (208,65 kgs)	1
Wire Pulling Lubricant Wintergrade				
WLW-QT	41746	1-quart bottle, Wintergrade	28.0 (12,7 kgs)	12
WLW-1	41747	1-gallon pail, Wintergrade	7.4 (3,36 kgs)	4
WLW-5	41748	5-gallon pail, Wintergrade	42.0 (19,05 kgs)	1
WLW-55	41749	55-gallon drum, Wintergrade	460.0 (208,65 kgs)	1
Wire Pulling Cable Loosener				
CL-QT	42833	Cable Loosener	quart	12
CL-1	42834	Cable Loosener	1-gallon	4
CL-5	42835	Cable Loosener	5-gallon pail	1

* UPC prefix 021200-.

Coatings and Protectants

Scotchkote™ Electrical Coating

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Scotchkote Electrical Coating provides vinyl tapes with an extra oil, moisture and corrosion-resistant layer of flexible coating for problem areas. A fast drying sealant and bonding compound, the coating is provided in a brush top 16 oz. can for quick and easy application, can containing 15 fl. oz. (0.44 L) of coating.

3M™ 16-401 Electric Coating

For long-lasting corrosion protection for all metals during shipment or extended storage, choose 3M 16-401 Electric Coating. Apply the 16-401 coating to electrical and mechanical equipment subject to heat, humidity, chemicals or severely corrosive atmospheres and the film seals out moisture for up to one year outdoors. Easily remove the coating with petroleum solvents when required. This product is extremely flammable. Read and observe warnings on the label. Not for use on energized equipment.

3M 16-501 Zinc Spray

Scotch® 16-501 Zinc Spray 63

3M 16-501 Zinc Spray provides an effective way to inhibit rust and corrosion with 97% pure zinc. Used for generation, transmission and distribution equipment including towers, transformers, light standards and other metal and galvanized surfaces, this convenient aerosol leaves a barrier coating similar to hot-dipped galvanized surfaces. Noted for its quick drying capability, 16-501 zinc spray preserves base metal, even when scratched or chafed. This product is extremely flammable. Read and observe warnings on the label. Not for use on energized equipment.

Special directions for 16-501 Zinc Spray use:

1. Do not shake can up and down.
2. Turn can upside down. Hit sides while rotating can in 1/4 turns until ball breaks loose.
3. Hold can and swing in a circle until ball travels freely.
4. Repeat after each minute of use.
5. Hold can 8 to 10 inches from surface and apply evenly.
6. To prevent clogging, clear the valve by holding can upside down and spraying until only clear gas comes out.

Scotch® 1601, 1602 and 1603 Insulating Sprays

Scotch 1601, 1602 and 1603 Insulating Sprays are electrical-grade, fast-drying enamel sealers and insulators in pressurized cans. These sealers protect surfaces against weather, moisture, corrosion, oil, alkalies and acids. The sprays can afford easy access to hard-to-reach spots.

Use Insulating Spray sealers to spray over insulation on wire and cable splices, as a general-purpose sealer, or for touch-up insulation on motor windings and frames.

Sprays are available in clear, red or black. Precautionary and first aid information for this product may be found in its Material Safety Data Sheet and on the product container.

Specifications and Ordering Information for Scotchkote Electrical Coating

Product Number	UPC (054007-)	Description	Can Size	Minimum Order Case Qty.
Electrical Coating	14853	Flexible, fast drying sealant and bonding compound	15 fl. oz. (0.44 L)	10
16-401	42827	Long-lasting corrosion protection	16 fl. oz.	12
16-501	42828	Zinc-based corrosion protection	16 fl. oz.	12

Specifications and Ordering Information for 3M Insulating Sprays

Product Number	UPC (054007-)	Color	Contents Volume	Contents Weight	Can Size	Minimum Order Case Qty.
1601	50342	Clear	15.76 fl. oz. (466 ml)	12 oz. (340 gr)	16 fl. oz. (473 ml)	12
1602	50343	Red	15.13 fl. oz. (447 ml)	12 oz. (340 gr)	16 fl. oz. (473 ml)	12
1603	50344	Black	15.66 fl. oz. (463 ml)	12 oz. (340 gr)	16 fl. oz. (473 ml)	12

Phone 800/245 3573 Fax 800/245 0329

Fire Protection Products

- **Caulks** pg. 180
- **Sealants and Foam** pg. 181
- **Putty, Devices and Wraps** pg. 183
- **Sheets and Mats** pg. 185
- **Miscellaneous** pg. 186

The complete line of 3M fire protection products helps prevent fire, smoke, toxic fumes and moisture from passing through penetrations in fire-rated walls and floors. These easy-to-install products are suitable for a wide variety of firestop applications, including plastic pipes, metal pipes, HVAC ductwork, cables, construction gaps, grease ducts, wall tops and control joints.

Caulks

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3M™ Fire Barrier Caulks

All 3M Fire Barrier Caulks have either intumescent, endothermic or ablative technologies that provide a tight and dependable seal against fire, smoke, toxic fumes and moisture. 3M intumescent caulks expand up to three times their original size when exposed to temperatures over 300°F (149°C). This intumescent action forms a strong, insulating char which seals the opening for up to four hours when exposed to extreme heat.

Fire barrier caulks are ideal for new construction or retrofit in a wide variety of applications such as metal, plastic, insulated and glass pipe, construction gaps, dynamic joints, HVAC ductwork and insulated cable applications. Fire barrier caulks are all one-part systems requiring no mixing or measuring, and are fast drying, becoming tack-free in less than 30 minutes. All come in convenient job-size packages and install easily with a standard caulking gun, pneumatic pumping equipment or putty knife.

3M Fire Barrier CP 25WB+ Caulk

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3M CP 25WB+ Caulk is our premium, intumescent latex-based caulk offering outstanding fire performance plus a non-halogen formula.

- Water base – easy cleanup, no special handling, routine disposal
- Intumescent – expands when heated to choke and seal around items consumed by fire
- Endothermic – releases chemically bound water to cool exposed surfaces
- Non-halogen formula
- No-sag formulation
- Fast-dry – tack-free in approximately 10-15 minutes
- Paintable (best results obtained after 72 hour cure)
- Brown color
- Water seal – seals against inadvertent water spills in the unexpanded state
- High caulk rate: 1000 g/min. with 1/4 in. nozzle
- Point contact allowed
- Continuous operating temperature not to exceed 120°F (48°C)

3M Bristol, PA Registered to ISO 9002
Certificate no. A1147

Interam™ FireDam™ 150 Caulk

FireDam 150 Caulk is an economical alternative for metal pipe applications in an endotermic, non-intumescent, water-based form.

- High flow rate in a non-sag formulation
- Easily spread to a smooth finished surface
- Water dispersed, non-flammable
- Low shrinkage
- Provides up to a 3-hour fire rating
- Applied with conventional caulking gun, pneumatic pumping equipment or a putty knife

Specifications and Ordering Information for 3M Caulks

Product	UPC (051115-)	Cubic fl. oz.	Cubic Inches	Units per Carton
Interam FireDam 150 Caulk				
Cartridge	02658	10.3 (310 ml)	18.6 (0,305 L)	12
5 Gallon (4.5 Gallon Fill)	07257	576.0 (17 L)	1040.0 (17 L)	1
3M CP 25WB+ Caulk				
10.5 oz. Cartridge	07580	10.3 (310 ml)	19.0 (0,311 L)	12
20 oz. Sausage	11563	310 (9,2 L)	4.0 (0,066 L)	10
27 oz. Cartridge	11562	272 (8 L)	6.0 (0,098 L)	6
2 Gallon	11568	405 (12 L)	6.0 (0,098 L)	1
5 Gallon	07582	640.0 (19 L)	1085.0 (17,8 L)	1

Sealants and Foams

3M™ Fire Barrier Sealants and Foam

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3M Fire Barrier Silicone Sealants and Foam use ablative technology to provide UL-tested systems that prevent the spread of fire for up to four hours. These flexible silicone elastomers help prevent the spread of fire, smoke, toxic fumes and moisture. Their elastomeric properties make them ideal for dynamic construction joints and gaps, and accommodate vibration from normal building movement.

3M Fire Barrier 2000+ Silicone Sealant

3M Fire Barrier 2000+ Silicone Sealant is a ready-to-use, gun-grade, one-component silicone elastomer that cures upon exposure to atmospheric humidity to form a flexible seal. Sealant remains elastomeric and is weather resistant. It will bond to most common construction materials.

- Excellent adhesion
- Compression/extension recovery of ±12.5 percent of original joint width
- Reenterable/repairable
- Excellent weatherability
- Provides up to a 4-hour fire rating
- Maximum pipe size of 24 in. (609,6 mm)
- Cures upon exposure to atmospheric humidity
- Applied with conventional caulking gun

3M Fire Barrier 2000 and 2003 Silicone Sealants

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3M Fire Barrier 2000 (nonslump) and Fire Barrier 2003 (self-leveling) are one-part, ready-to-use silicone penetration seals for a variety of fire-rated penetrations. These flexible sealants have excellent adhesion and extension/compression capabilities, making them ideal for sealing dynamic construction joints and pipe penetrations.

- Great for top-of-wall/head-of-wall joints
- Excellent adhesion
- Sealant compression/extension recovery of ±40 percent (per ASTM C719-86)
- Reenterable/repairable
- Excellent weatherability
- Provides up to a 4-hour fire rating
- Excellent sound barrier properties
- Maximum pipe size of 24 in. (609,6 mm)
- Cures upon exposure to atmospheric humidity
- Applied with conventional caulking gun
- Tested to ASTM 1399 (500 cycles, 25% compressing extension)

3M Fire Barrier 2001 Silicone RTV Foam

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3M Fire Barrier 2001 Silicone Foam is a two-part, liquid-silicone elastomer that foams in place when mixed. It firestops and seals large and complex penetrations.

- Foams in place to seal complex penetrations
- Cures in 1-5 minutes to form a compression seal
- Elastomeric compression seal
- Reenterable/repairable
- Excellent sound barrier properties
- No ampacity derating of cables when used properly
- Provides up to 3-hour fire rating
- Easily mixed by hand (small amounts) or automated mixing and dispensing equipment (large amounts)

Ordering Information for Sealants and Foams

Product Number	UPC (051115-)	Description	Units per fl. oz.	Case Qty.
2000 Cartridge	11556	Silicone Sealant	10.3 (310 ml)	12 cartridges
2000 5-Gallon Pail (4.5 gal fill)	11557	Silicone Sealant	576.0 (17 L)	1 pail
2000+ Cartridge	11558	Silicone Sealant	10.3 (310 ml)	12 cartridges
2000+ 5-Gallon Pail (4.5 gal fill)	11559	Silicone Sealant	576.0 (17 L)	1 pail
2001 Cartridge (7 oz.)	07502	Silicone RTV Foam	7.0 (211 ml)	12 kits
2001 2 lb. Kit	07503	Silicone RTV Foam	32.0 (963 ml)	12 kits
2001 16 lb. Kit Part A	08370	Silicone RTV Foam	256.0 (17 L)	1 each
2001 16 lb. Kit Part B	08371	Silicone RTV Foam	256.0 (17 L)	1 each
2001 40 lb. Kit Part A	07505	Silicone RTV Foam	640.1 (18,93 L)	1 each
2001 40 lb. Kit Part B	07551	Silicone RTV Foam	640.1 (18,93 L)	1 each
2003 Cartridge	11560	Silicone Sealant	10.3 (310 ml)	12 cartridges
2003 5-Gallon Pail (4.5 gal fill)	11561	Silicone Sealant	576.0 (17 L)	1 pail

*Foam densities will vary with field conditions; i.e., hole size, type, number of penetrating items and temperature of product. Unrestrained foam rise can result in values as low as 14 lb/ft^3 while restricted foam rise will result in much higher values. For illustrative purposes, a value of 25 lb/ft^3 was used. Manufactured by Dow Corning Corporation for 3M.

Putty, Devices and Wraps

3M™ Fire Barrier Moldable Putty+

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3M Fire Barrier Moldable Putty+ is designed for use as a one-part, 100% solids intumescent firestop that restores the integrity of fire-rated building construction.

- Ideal for construction gaps, cable, insulated pipe, electrical conduit and metal pipe
- Provides up to a 4-hour fire rating*
- UL-classified for telecommunications applications (interduct, fiber optic and cables)
- Remains pliable and flexible
- Won't dry out or crumble
- Convenient pad and stix form
- Non-halogen formula
- Reenterable
- Adheres to all common building surfaces including metal and plastic electrical boxes
- Available in both 4S and 5S electrical box sizes
- Provides draft and cold smoke seal even before temperature increases
- Intumescent and expands to form a hard char which prevents the transmission of hot gases and fire
- Great for building maintenance applications

3M New Ulm, MN Registered to ISO 9002 Certificate No. A1014

*When tested in accordance with the time/temperature curves and water hose stream tests of UL 1479 and ASTM E814.

3M Fire Barrier Ultra Plastic Pipe Device

The proven technology of this fire barrier product's intumescent action quickly seals off plastic pipes in a fire, and meets up to 3-hour fire and temperature ratings. For plastic pipe types and hourly ratings, consult the current UL Fire Resistance Directory or ULC Volume 3 Fire Resistance Ratings.

- UL-classified for use on PVC, CPVC, CCPVC, ABS, CCABS, PVDF, and FRPP
- Easy to install – one step
- Expands up to 25 times
- Factory-made, consistent quality
- Red in color for easy identification as a fire-rated device during inspections

Specifications and Ordering Information for Moldable Putty

Product	UPC (051115-)	Size	Volume	Units per Carton
MPP-1+	11532	1/8 x 4 x 8" (3,2 x 102 x 203 mm)	4 in.^{3}	100 each
MPS-2+ Stix	11531	1.5 x 11" (40,6 x 279 mm)	21.2 in.^{3}	10 each
MPP-4S+	11533	1/8 x 7 x 7" (3,2 x 178 x 178 mm)	6.12 in.^{3}	20 each
MPP-5S+	11534	1/8 x 9.5 x 9.5" (3,2 x 241,3 x 241,3 mm)	11.3 in.^{3}	20 each

Specifications and Ordering Information for Plastic Pipe Devices

Product	UPC (051115-)	Style	Size	Units per Carton
Ultra PPD 6	08253	Hose Clamp	6" (152,4 mm)	5 each
Ultra PPD 1.5	07850	Finger Tab	1-1/2" (38,1 mm)	10 each
Ultra PPD 2.0	07851	Finger Tab	2" (50,8 mm)	10 each
Ultra PPD 3.0	07852	Finger Tab	3" (76,2 mm)	10 each
Ultra PPD 4.0	07853	Finger Tab	4" (101,6 mm)	10 each
Ultra PPD 10 Fast Anchors	08377	Anchors	3/4 x 10" (19,05 x 254 mm)	400 each
Ultra PPD 16 Fast Anchors	11530	Anchors	5/16 x 16" (7,94 x 406,4 mm)	400 each

3M™ Fire Barrier RC-1 Restricting Collar

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This patented intumescent wrap/strip has 3M state-of-the-art through-penetration fire protection plus improved characteristics.

Firestops difficult through-penetrations such as plastic pipe, insulated pipe and cables. When exposed to heat, this flexible, rubber-like strip expands up to ten times its original volume, forming a very hard char to prevent the migration of fire and smoke.

- 100% solids
- One-part, organic/inorganic, fire-resistive elastomeric strip with foil on one side
- Intumescent for complete, rapid sealing during a fire
- Standard 2 in. width or optimized 1 in. width applications
- Superior, documented aging properties. Proven stability and performance for expected life of building
- Improved flexibility for easy, cost-effective installation
- Versatile – can be cut to fit irregular shapes
- Reenterable – no special tools required
- Non-flame supporting
- Red-brown color
- Applications include: telephone cable, metal pipe, plastic pipe, conduit, insulated metal pipe and cable trays
- Used to firestop up to 10 in. (254,0 mm) diameter PVC pipe
- UL-classified for use on PVC, CPVC, ABS, CCPVC, CCABS, PVDF, FRPP, PP and PB plastic pipe

3M Knoxville, IA Registered to ISO 9002 Certificate No. A1021

3M Fire Barrier FS-195+ Wrap/Strip

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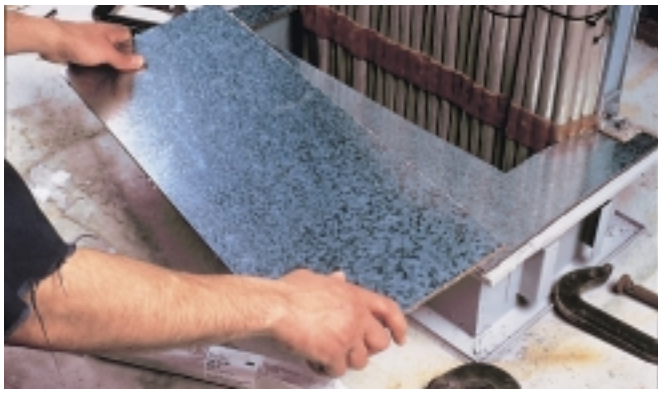
- UL-classified for use on PVC, CPVC, ABS, CCPVC, CCABS, PVDF, PP and PB plastic pipe
- Easy installation
- 28 gauge steel
- Convenient 25 ft. (7,62 m) roll
- Required for firestopping plastic pipes larger than 4 in. (101,6 mm) in diameter

Ordering Information for Wraps and Collars

Product	UPC (051115-)	Size	Units per Carton
FS-195+ Wrap/Strip	07115 07864*	2 x 24" (50,8 x 609,6 mm) 1 x 24" (25,4 x 609,6 mm)	10 each 20 each
RC-1Restricting Collar	08324** 07589	2" x 25' (50,8 mm x 7,62 m) 1" x 25' (25,4 mm x 7,62 m)	1 each 1 each
Duct Wrap	07888	1-1/2" x 24" x 25' (38,1 mm x 0,61 m x 7,62 m)	1 each
Duct Wrap	07889	1-1/2" x 48" x 25' (38,1 mm x 1,22 m x 7,62 m)	1 each

* UPC prefix 051125-
** UPC prefix 054007-

Sheets and Mats



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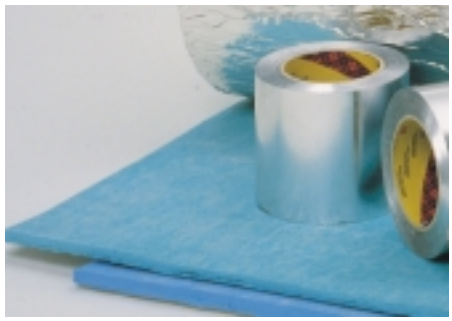
3M™ Fire Barrier CS-195+ Composite Sheet

Intumescent sheet used to firestop large openings. Seals penetrations against flame spread, smoke and toxic fumes. This composite sheet has multiple applications, including blank openings, through penetrations of multiple cable, pipe ducts, buss ducts and cable trays.

- Intumescent (expands with heat) to form a hard char that tightly seals penetrations against flame spread, smoke and toxic fumes
- Multiple applications: through-penetration firestop, heat shield and firebreak protection
- Easy to install using common trade tools
- Lightweight – easy to handle, just cut and form to desired shape
- Easy to fasten – bolt punch or drill through and use self-tapping screws or anchor bolts
- Thermally conductive – allows unwanted heat buildup to escape
- Non-flame supporting
- UL-classified
- Cost-effective
- No mixing or damming – is clean to install
- Reenterable
- 100% solids
- Versatile – can be cut to fit irregular shapes

3M Interam™ E-5 Series Mat

This endothermic wrap blocks heat penetration by chemically absorbing heat energy. When exposed to high temperatures, it keeps heat out by releasing chemically bound water to cool the outer surface.



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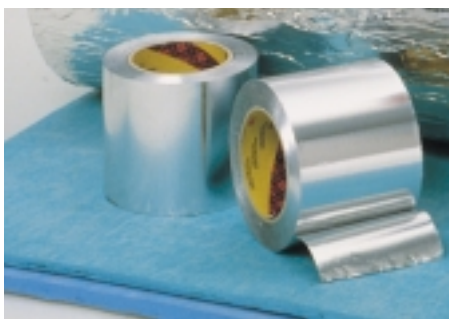
- Outstanding performance in high-intensity fires
- Protects structural steel, cable trays and circuits in conduits
- Easy to install
- Can be installed directly over existing fire protection

3M Interam T-49 Tape

3M Interam T-49 Tape is an adhesive-backed aluminum foil tape which is designed to seal the cut edges of FireMaster® duct wrap and interam mats to complete the total encapsulation.



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- 3-mil aluminum foil
- Acrylic adhesive
- Tensile strength: 30 lbs./in. width (525N/100 mm)

Specifications and Ordering Information for 3M Sheets

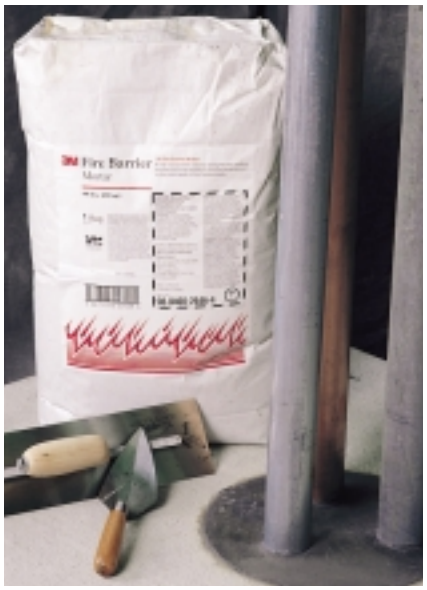
Product	1 Each/Box UPC (051115-)	Bulk (Greater than 10 each) UPC (051115-)	Size
CS-195+	07437	07454	16 x 28" (406,4 x 711,2 mm)
CS-195+	07220	07219	24 x 36" (609,6 x 914,4 mm)
CS-195+	07222	07221	36 x 36" (914,4 x 914,4 mm)
CS-195+	07224	07223	36 x 41" (914,4 x 1041,4 mm)
CS-195+	—	08260	28 x 52" (711,2 x 1320,8 mm)

Specifications and Ordering Information for 3M Mats

Product	UPC (051115-)	Thickness	Width	Rolls per Length	Carton
E-5A-3 Mat	02662	0.3" (7,62 mm)	24.5" (622,3 mm)	25.0' (7,62 m)	1
E-5A-4 Mat	02663	0.4" (10,16 mm)	24.5" (622,3 mm)	20.0' (6,10 m)	1

Miscellaneous

3M™ Fire Barrier Mortar



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3M Fire Barrier Mortar is a lightweight cementitious firestop product.

- Variable mix ratio – permits self-leveling as well as no-sag (no forming) application consistencies, resulting in labor savings
- Excellent adhesion – will bond to concrete, metals, wood, plastic and cable jacketing
- Reenterable without use of power tools – results in lower maintenance costs due to ease of making cable changes
- Bonds to itself – proven prior and during fire testing, resulting in proven and tested repair procedures
- Pumpability
- Warnock Hersey Certified, system number 3M/PHV 120-01 for 2-hour separations
- Mortar is available in 44 lb. bags

Warnock Hersey
3M PHV 120-01

Specifications and Ordering Information for Miscellaneous

Product	UPC (051115-)	Size	Units per Carton
T-49 Tape	02240	4". x 180' (101,6 mm x 54,9 m)	2 rolls
Mortar*	07559	44 lb. bag	10 bags
Firedam Spray	08310	55-gallon drum	1 drum
Firedam Spray	08311	1-gallon can	4 gallons
Firedam Spray	08312	5-gallon pail	1 pail
Plenum Wrap 24	08316	1/2" x 24" x 50' (12,7 mm x 0,61 m x 15,24 m)	1 roll
Plenum Wrap 48	08317	1/2" x 48" x 25' (12,7 mm x 1,22 m x 7,62 m)	1 roll

*Mortar must be ordered in 30 bag increments.

Diagnostic and Detection Products

- **Infrared Heat Tracers** **pg. 188**

When your job calls for leading-edge temperature-measurement technology, 3M provides the solution with the family of 3M™ Infrared Heat Tracers. These units provide a fast, easy and accurate way to measure a wide range of temperatures at a safe distance. Plant engineers and technicians can now monitor equipment more closely, more accurately and more often – helping to spot trouble before it leads to costly malfunction and repair.

Some models are available with NIST certification. This certifies that these models are calibrated using standards traceable to NIST (National Institute of Standards and Technology).

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Features — Advantages — Benefits

3M Infrared Heat Tracers

Contains built-in laser sighting from a safe	User can literally “spot” and scan the object distance	Easy to use
Constructed of light, yet rugged plastics	Lightweight, withstands use in industrial environments	Easy to use
Non-contact temperature measurement	Provide accurate measurement and personal safety	Improves quality and safety
Back-lit LCD display	Readable in dark areas	Easy to use

Infrared Heat Tracers

3M™ Infrared Heat Tracer is a rugged, highly accurate and easy-to-use, portable non-contact (infrared) thermometer. It is an invaluable tool for monitoring operating temperatures of mechanical and electrical, plant and production equipment without removing the equipment, from service.

The infrared heat tracer allows the electrician and/or technician to locate and identify overheating conditions in electrical wiring connections, panels, switchgear, motors and mechanical equipment, and to perform preventive maintenance before catastrophic failure occurs.

3M IR-60EXPL2-1 Heat Tracers

For full-featured performance, choose the IR-60EXPL2 Heat Tracer. The IR-60EXPL2 provides readings up to 1600°F (870°C) and has a 60:1 field of view. The IR-60EXPL2 heat tracer also offers current maximum, minimum, differential and average temperature readings, all of which can be stored in memory for recall at a later time. The IR-60EXPL2 heat tracer can provide real-time, temperature-measurement data in either digital or analog format. Windows-based software allows connection to a PC. The IR-60EXPL2 unit comes standard with an RS232 cable, Windows-based software, power supply and thermocouple K.

3M IR-60L2 Heat Tracers

The IR-60L2 Infrared Heat Tracer offers sophisticated temperature measurement across a broad range of applications. The temperature range for the IR-60L2 and the IR-60EXPL2 is -25°F (-32°C) to 1600°F (870°C) with Hi and Lo alarm features. Laser sighting provides greater accuracy and improved reliability of readings. For performance and price, the IR-60L2 is your best choice.

3M IR-750C and IR-750CL2 Heat Tracers

The IR-750C Infrared Heat Tracer covers the basics of temperature measurement. It is lightweight and constructed of rugged plastic to withstand use in industrial environments. It has a temperature-measurement range of -25°F (-32°C) to 750°F (400°C), which encompasses the normal operation temperature of most industrial motors and equipment.

The IR-750C heat tracer is user friendly with a back-lit LCD display and point-and-shoot operation. It has a dual display that shows the actual and maximum temperature. A minimum amount of training is required, making it a versatile tool. The IR-750C heat tracer is available with (optional) NIST certification.

The IR-750CL2 has all of these features and in addition, it has a Class II laser for sighting.

3M™ Model IR-60 Heat Tracer 77

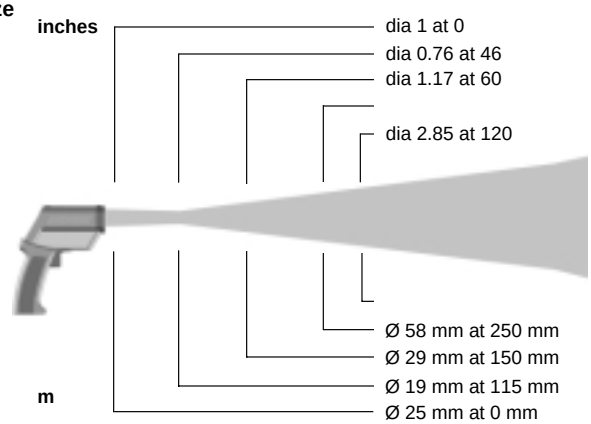
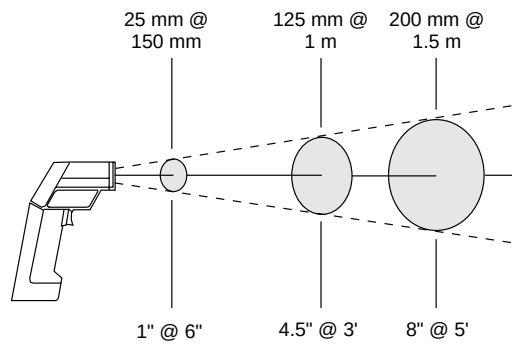
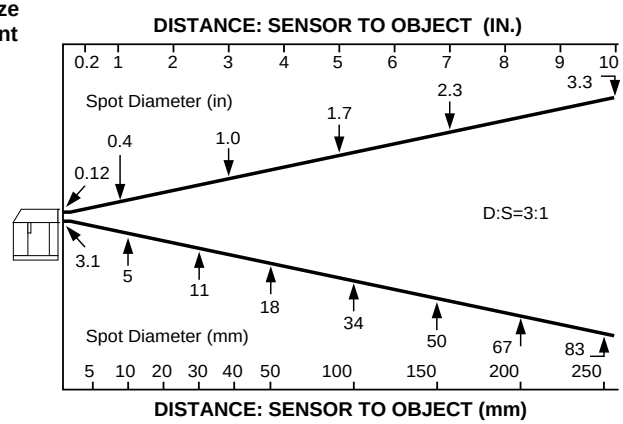
3M IR-750CEXL2 Heat Tracers

The IR-750CEXL2 Infrared Heat Tracer covers an increased temperature range of -25°F (-32°C) to 932°F (500°C), and displays the maximum, minimum, differential or average temperature while the trigger is pulled; a selectable high or low alarm, which is adjustable throughout the temperature range of the heat tracers; and adjustable emissivity. The IR-750CEXL2 features built-in Class II laser sighting. The IR-750CEXL2 heat tracer is available with (optional) NIST Certification.

3M IR-16EXCFO Heat Tracers

The IR-16EXCFO Heat Tracer offers a 3:1 field of view for close focus. The IR-16EXCFO heat tracers also offers current maximum/minimum, and differential and average temperature readings, all of which can be stored in memory for recall at a later time. The IR-16EXCFO can provide real-time, temperature-measurement data in either digital or analog format. Software is available, upon placing an order, to allow connection to a PC.

3M™ Infrared Heat Tracer Field of View Comparison

Model Number	Field of View
IR-60L2 IR-60EXPL2-1	**The distance to spot size ratio is 60:1 at focus point** 
IR-750C IR-750CL2 IR-750CEXL2	**The distance to spot size ratio is 8:1 at focus point**  *Nominal spot diameter at 90% energy*
IR-16EXCFO	**The distance to spot size ratio is 3:1 at focus point** 

Specification Information for 3M™ Infrared Heat Tracers

Features	Model IR-60L2	Model IR-60EXPL2
Temperature Range	-25 (-32°C) to 1600°F (870°C)	-25 (-32°C) to 1600°F (870°C)
Accuracy	±1% of reading or ±1.5°F (±1°C) whichever is greater, at 73°F (23°C), ±4°F (±2°C) for targets below 32°F (0°C)	±1% of reading or ±1.5°F (±1°C) whichever is greater, at 73°F (23°C), ±4°F (±2°C) for targets below 32°F (0°C)
Repeatability	±0.5% of reading or ±1.5°F (±1°C), whichever is greater	±0.5% of reading or ±1.5°F (±1°C), whichever is greater
Response Time	250 msec (95% response)	250 msec (95% response)
Spectral Response	8-14 microns	8-14 microns
Optical System	60:1	60:1
MAX Temperature	X	X
MIN, DIF, AVG Temp	—	X
Recall Last Reading	—	X
Display Hold	X	X
HI Alarm	X	X
LO Alarm	—	X
Low Battery Indicator	X	X
LCD Backlight	X	X
Laser (Class II)	X*	X*
Emissivity	Adjustable 0.10 to 1.00 in steps of 0.01	Adjustable 0.10 to 1.00 in steps of 0.01
Temperature Display	°C or °F selectable 3.5 digit LCD	°C or °F selectable 3.5 digit LCD
Display Resolution	tenth degree reading up to 199.9 (F or C)	tenth degree reading up to 199.9 (F or C)
Ambient Operating Range	32 to 122°F (0 to 50°C) laser max 113°F (45°C)	32 to 122°F (0 to 50°C) laser max 113°F (45°C)
Relative Humidity	10-95% RH noncondensing @ up to 86°F (30°C)	10-95% RH noncondensing @ up to 86°F (30°C)
Storage Temperature	-25°F (-32°C) to 122°F (50°C) without battery	-25°F (-32°C) to 122°F (50°C) without battery
Power	2 x 1.5V Alkaline Type AA	2 x 1.5V Alkaline Type AA
Battery Life (Alkaline)	25 hrs. measurement mode 11 hrs. with laser on 6 hrs. with backlight and laser on (50% backlight used)	25 hrs. measurement mode 11 hrs. with laser on 6 hrs. with backlight and laser on (50% backlight used)
Dimensions	6.7 x 2 x 7.9 in. (170 x 50 x 200 mm)	6.7 x 2 x 7.9 in. (170 x 50 x 200 mm)
Weight	1 lb. 6 oz.	1 lb. 6 oz.
Locking Trigger	X	X
Tripod Mount	1/4" - 20 UNC	1/4" - 20 UNC
Standard Accessories	Hard plastic case wrist strap	Software, RS 232 cable, 7.5V power supply, thermocouple k, hard plastic case, wrist strap
Certification (Available)	NIST certification DKD certification	NIST certification DKD certification
Data Logger Points	—	100 pts in memory
Scan Size Indicator Laser	X	X

*Class II Laser and 17-point circular laser offer the same laser visibility as a class IIIa laser.

Specification Information for 3M™ Infrared Heat Tracers

Features	Model IR-750C	Model IR-750CL2	Model IR-750CEXL2
Measurement Range	-25°F (-32°C) to 750°F (400°C)	-25°F (-32°C) to 750°F (400°C)	-25 (-32°C) to 932°F (500°C)
Accuracy	±1% of reading or ±2°F (±1°C) whichever is greater, at 73°F (23°C) and above, ambient operating temperature	±1% of reading or ±2°F (±1°C) whichever is greater, at 73°F (23°C) and above, ambient operating temperature	±1% of reading or ±2°F (±1°C) whichever is greater, at 73°F (23°C) and above, ambient operating temperature
Repeatability	±1% of reading or ±2°F (±1°C), whichever is greater at ambient	±1% of reading or ±2°F (±1°C), whichever is greater at ambient	±1% of reading or ±2°F (±1°C), whichever is greater at ambient
Response Time	500 msec (95% response)	500 msec (95% response)	500 msec (95% response)
Spectral Response	7–18 microns	7–18 microns	7–18 microns
Optical System	8:1	8:1	8:1
MAX Temperature	X	X	X
MIN, DIF, AVG Temp	—	—	X
Recall Last Reading	—	—	X
Display Hold	X	X	X
HI Alarm	—	—	X
LO Alarm	—	—	X
Low Battery Indicator	X	X	X
LCD Backlight	X	X	X
Laser (Class 2 Output)	—	X	X
Emissivity	pre-set 0.95	pre-set 0.95	0.3–1.0 digitally adjustable
Temperature Display	°C or °F selectable 3.5 digit LCD	°C or °F selectable 3.5 digit LCD	°C or °F selectable 3.5 digit LCD
Display Resolution	tenth degree reading up to 199.9 (F or C)	tenth degree reading up to 199.9 (F or C)	tenth degree reading up to 199.9 (F or C)
Ambient Operating Range	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)
Relative Humidity	10-95% RH noncondensing @ up to 86°F (30°C)	10-95% RH noncondensing @ up to 86°F (30°C)	10-95% RH noncondensing @ up to 86°F (30°C)
Storage Temperature	-13°F (-25°C) to 158°F (70°C) without battery	-13°F (-25°C) to 158°F (70°C) without battery	-13°F (-25°C) to 158°F (70°C) without battery
Power	9V Alkaline or NEDA No. 1604 battery	9V Alkaline or NEDA No. 1604 battery	9V Alkaline or NEDA No. 1604 battery
Battery Life	All Models: 33 hrs. (backlight not used) Laser models: 11 hrs. (laser used 50%, backlight used 50%)	All Models: 33 hrs. (backlight not used) Laser models: 11 hrs. (laser used 50%, backlight used 50%)	All Models: 33 hrs. (backlight not used) Laser models: 11 hrs. (laser used 50%, backlight used 50%)
Dimensions	5.4 x 1.6 x 7.7 in. (137 x 41 x 196 mm)	5.4 x 1.6 x 7.7 in. (137 x 41 x 196 mm)	5.4 x 1.6 x 7.7 in. (137 x 41 x 196 mm)
Weight	9.5 oz (270 gm)	9.5 oz (270 gm)	9.5 oz (270 gm)
Locking Trigger	—	—	—
Tripod Mount	—	—	—
Standard Accessories	Hard plastic case Belt hook strap	Hard plastic case Belt hook strap	Hard plastic case Belt hook strap
Certification (Available)	NIST certification DKD certification	NIST certification DKD certification	NIST certification DKD certification
Data Logger Points	—	—	—
Scan Size Indicator Laser	—	—	—

Specification Information for 3M™ Infrared Heat Tracers

Features	Model IR-16EXCFO
Measurement Range	0°F(-18°C) to 1600°F(870°C)
Accuracy	±1% of Reading, ±1 Digit
Repeatability	±0.5% of Reading, ±1 Digit
Response Time (95% Response)	350 msec.
Spectral Response	8 – 14 microns
Field of View D:S	3:1
Emissivity	Adjustable 0.1 to 1.0
Temperature Display	°F or °C, switch selectable
Locking Trigger	Yes
Temperature Measurement Parameters Current and Maximum temperature	Yes
Minimum Temperature Differential and Average temperature	Yes
Alarms Adjustable High Level and Low Level Alarms	Yes
Data Storage Current max./min., diff. and avg. temperatures stored in memory for recall at a later time	Yes
Data Output RS-232C or 1mv/°F or °C	Yes
Laser Sighting Laser Type: Gallium Arsenide Class: FDA IIIa Power: <5 milliwatts Wavelength: 0.670 microns Range: Up to 100 feet (depends on ambient light)	No
Operating Temperature	32°F (0°C) to 122°F (50°C)
Storage Temperature	-40°F (-40°C) to 122°F (50°C) with battery -40°F (-40°C) to 140°F (60°C) without battery
Operating Humidity	95% rh maximum
Size (L x W x H)	5.5 in. x 1.75 in. x 7.0 in. (15 cm x 4.5 cm x 18 cm)
Weight	1 lb. 4 oz. (0.6 kg)
Power Source Battery	9-volt alkaline, NEDA No. 1604A
External 9 VDC at 100ma, input jack	Yes
Approximate Battery Life	25 hours maximum (all options off) 10 hours maximum (with laser on)
Tripod Mount	1/4 – 20 UNC
LCD Backlight	Yes

Note: The IR-16 Series is only available in the intrinsically safe models as well as the IR-16EXCFO.

Ordering Information for 3M™ IR-60 Series Heat Tracers

Product Number	Description	UPC (054007-)	Billing Unit	Inner Unit Pack	Minimum Order Case Qty.
IR-60L2*	Extended Performance Infrared Heat Tracer Basic Unit with Class II Laser	42840	each	—	1
IR-60L2NI*	Extended Performance Infrared Heat Tracer (with Class II Laser and NIST Certification)	42843	each	—	1
IR-60EXPL2-1*	Infrared Heat Tracer Extended Performance Unit Software, RS232, Type K Thermocouple, 110V power supply with Class II Laser	42852	each	—	1
IR-60EXPL2-1NI*	Infrared Heat Tracer Extended Performance Unit Software, RS232, Type K Thermocouple, 110V power supply with Class II Laser and NIST Certification	42855	each	—	1
IR-60EXPL2-2*	Infrared Heat Tracer Extended Performance Unit Software, RS232, Type K Thermocouple, 220V power supply with Class II Laser	42856	each	—	1
IR-60EXPL2-2NI*	Infrared Heat Tracer Extended Performance Unit Software, RS232, Type K Thermocouple, 220V power supply with Class II Laser and NIST Certification	42859	each	—	1

* Contains unit, instruction manual, and hard case

Ordering Information for 3M IR-750 and IR-16 Heat Tracers

Product Number	Description	UPC (054007-)	Billing Unit	Inner Unit Pack	Minimum Order Case Qty.
IR-750C*	Infrared Heat Tracer Basic Unit	43111	each	—	1
IR-750CNI*	Infrared Heat Tracer Basic Unit with NIST Certification	42102	each	—	1
IR-750CL2*	Basic Unit with Laser	43112	each	—	1
IR-750CL2NI*	Infrared Heat Tracer Basic Unit with Class II Laser and NIST Certification	42103	each	—	1
IR-750CEXL2NI*	Extended Performance Infrared Heat Tracer with Class II Laser and NIST Certification	42104	each	—	1
IR-750CEXL2*	Infrared Heat Tracer Extended Performance Unit with Laser	43113	each	—	1
IR-750HC*	IR-750 Series Hard Case Only	41815	each	—	1
IR-16EXCFO**	Infrared Heat Tracer Extended Performance Unit (with Close Focus)	50119	each	—	1

* Contains unit, instruction manual and hard case
** IR-16 Heat Tracer comes with instruction manual and carrying case
Contact customer service to order Intrinsically Safe (IS) units.

Phone 800/245 3573 Fax 800/245 0329

Safety and Protection Products

- **Personal Safety Products** pg. 196
- **Folded Sorbents and Kits** pg. 198
- **Lettering Kits and Replenishment Decals** pg. 200
- **Preparation and Cleaning** pg. 201

Quality and performance make 3M a leader with a variety of safety products, sorbents, reflective tapes and traction systems.

Safety and comfort are the two main concerns in the development of 3M safety and protection products. Whenever work is done in environments that require the use of safety and protection, we can help you meet applicable OSHA regulations. 3M can provide the products you need for a variety of applications.

3M's quality and performance standards ensure that you'll get the job done quicker and easier with 3M products.

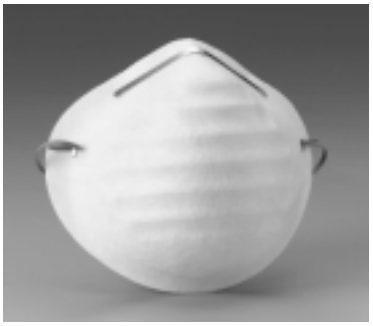
8210 Respirator 78

? *Frequently Asked Questions*

Can we break case quantities?	Refer to your Price Pages under Broken Case Quantity.
Where do I call to get the Material Safety Data Sheet for these products?	Call 800-243-4630.

Personal Safety Products

3M™ Comfort Mask



79

- Five-mask and fifteen-mask economy pack
- This mask will not protect your lungs
- To be used for comfort only
- Offers relief from the irritating effects of common nuisance dusts such as pollen
- Easy-open package is reclosable to help preserve unused masks
- Not to be used around harmful substances or when dust concentrations are greater than government-permissible exposure levels
- NOT GOVERNMENT CERTIFIED

Retail Pack: 8651ES/8652ES
Bulk: 8500

3M Sanding and Fiberglass Respirator

80

- U.S. Government approved: N95 (42CFR84) particulate respirator
- Use for dusts encountered during sanding jobs and installation of fiberglass insulation
- Do not use for asbestos, paint spray, gases or vapors, sandblasting or oil aerosols
- Lightweight, inexpensive, maintenance-free, comfortable

Retail Pack: 8654ES
Bulk: 8210

3M Woodworking, Sanding and Fiberglass Respirator

81

- U.S. Government approved: N95 (42CFR84) particulate respirator
- Use for dusts encountered during sanding jobs and installation of fiberglass insulation.
- Do not use for asbestos, paint spray, gasses or vapors, sandblasting or oil aerosols
- 3M Cool Flow™ Exhalation Valve
- Lightweight construction
- M-noseclip
- Stapled straps

Retail Pack: R8511ES

3M Latex Paint and Odor Respirator

82

- U.S. Government approved: R95 particulate respirator (42CFR84)
- Use for relief from non-harmful latex paint and other nuisance odors*
- Do not use for asbestos, gasses, vapors above the government permissible exposure limit or sandblasting

Retail Pack: 8656ES

3M Welding Respirator

83

- U.S. Government approved: N95 particulate respirator
- Use for metal fumes from welding, brazing, cutting and other operations involving heating of metals
- Do not use for asbestos, paint spray, gasses or vapors, sandblasting or oil aerosols
- 3M Cool Flow Exhalation Valve
- Adjustable straps

Retail Pack: 8660ES

3M Corded Ear Plugs

84

- Made of soft foam
- Conform to ear canal comfortably and quickly
- Noise reduction rating (NRR): 29dB
- Soft braided cord adds convenience and helps prevent loss
- Bright orange color offers high visibility

Retail Pack: 8658ES

3M Safety Goggles

- Meets ANSI National Standards for eye protection
- Air vents help reduce fogging
- Impact resistant
- Adjustable straps allow comfortable face fit

Retail Pack: 8657ES

*3M recommended for relief against nuisance levels of organic vapors. Nuisance level organic vapor refers to concentrations not exceeding OSHA PEL or applicable government exposure limits, whichever is lower.

⚠ WARNING

These hearing protection products help reduce exposure to noise. To provide proper protection, the hearing protector should be (1) suitable for the job, (2) fitted properly in/on the ear, (3) worn during all time of exposure to noise, and (4) replaced when damaged or otherwise necessary.

IMPORTANT:

Before using any of these respirators, you must determine the following:

1. The type of contaminant(s) for which the respirator is being selected;
2. The concentration level of that contaminant;
3. Whether the respirator can be properly fitted on the wearer's face. All respirator instructions, warnings, and use and time limitations must also be read and understood by the wearer before use.

USE LIMITATIONS

1. These respirators do not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen.
2. Do not use when concentrations of contaminants are immediately dangerous to life and health, are unknown, or when concentration is greater than 10 times the permissible exposure limit (PEL) or according to specific OSHA standards or applicable government regulations, whichever is lower.
3. Do not alter, abuse or misuse these respirators.
4. Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and face seal (or edge) of the respirator.

TIME USE LIMITATIONS

Certain respirators may have time use limitations-See packaging insert for details.

⚠ WARNING

Respirators shown in this literature help reduce exposure to certain airborne contaminants. **Misuse may result in sickness or death.** Before use, the wearer must read and understand User Instructions provided as a part of product packaging. Time use limitations may apply. For 3M OH&ESD Technical Service, call 1-800-243-4630. In Canada, call 1-519-452-6137 or 1-800-265-1840, ext. 6137.

Specifications and Ordering Information for 3M™ Personal Safety Products

Product Number	UPC (051111-)	Description	Inner Unit Pack	Case Qty.
8651ES	08651	Comfort Mask	5/pk	12 packs
8652ES	08652	Comfort Mask	15/pk	12 packs
8500 Bulk	08500†	Comfort Mask	—	600 each
8654ES	08654	N95 Sanding and Fiberglass Respirator	2/pk	12 packs
8210 Bulk	46457*	N95 Sanding and Fiberglass	20/box	8 boxes
8656ES	08656	R95 Latex Paint/Odor Respirator	1/pk	12 packs
8660ES	08660	N95 Welding Respirator	1/pk	6 packs
8657ES	08657	Safety Goggles	1/pk	5 packs
8658ES	60437**	Corded Ear Plugs	2 pr/pk	12 packs
8600	59345**	Safety Center Demo	—	1 deal
8683ES	62816**	Protective Eyewear (clear)	1/pk	1 pack

* UPC prefix 051138-
** UPC prefix 051131-
† UPC prefix 021200-

Folded Sorbents and Kits

3M™ Petroleum Sorbent-Folded P-FL550DD (white)

86

Petroleum sorbents are primarily used with hydro-carbon spills. These sorbents save time and money as only oil, and not water, is recovered.

Petroleum sorbents can be used outside as well as in-plant.

3M Maintenance Sorbent-Folded M-FL550DD (gray)

Maintenance sorbents are all-purpose sorbents. Ideal for plants and facilities, the sorbent cleans up non-aggressive fluids, including cutting oil, coolants, aqueous-based liquids and petroleum based products.

Maintenance sorbents are dust-free and contain no abrasive granules that could damage equipment.

3M Chemical Sorbent-Folded C-FL550DD (yellow)

Chemical sorbents are useful for all spills, including aggressive chemicals fluids. These sorbents resist reactions with chemicals such as acids or bases.

Chemical sorbents are ideal for emergency response situations.

3M Sorbent-Folded Spill Kits Petroleum and Chemical

3M Sorbent-folded Spill Kits can be used for containing and absorbing petroleum-based liquid spills and most hazardous chemical liquids spills of up to 5 gallons. Conformable, the spill kits are an excellent solution for storage where space is limited. Because 3M Petroll and Chemroll use 3M's sorbent-folded technology, they can also be used as booms, pillows, pads or rolls—making sorbents the most versatile response products available on the market today.

C-FL550DD 85

3M Petroll 5-Gallon Petroleum Spill Kit P-SKFL5

87

Petroll spill kits are ideal for use in fuel dispensing applications, as well as in the transportation industry, when immediate on-site response is needed.

3M Chemroll 5-Gallon Chemical Spill Kit C-SKFL5

88

Chemroll spill kits are ideal for use in laboratory spills and transportation applications such as police, fire and hazardous material response.

3M™ Maintenance Sorbent-Rugs M-RG36300E and M-RGC36100E

Maintenance sorbent-rugs help keep shop floors cleaner and safer. These rugs absorb most shop fluids and oils without breaking down. Rugs resist tearing and can withstand heavy traffic. The rugs are available in standard unbacked or poly-backed (for extra skid resistance) forms.

3M Folded-Sorbent Dispenser Rack A-RACK-1

This new folded-sorbent dispenser rack makes our folded sorbents even more convenient to use. (You'll always be able to find the correct 3M Folded Sorbent when and where you need it instead of having to search. It will always be in the same easy-to-use dispenser rack.) The rack is easy to attach to the wall and load with 3M folded maintenance, chemical or petroleum sorbents. Just lift the cover, take out the empty dispenser box and replace with a new box of sorbents. Position the box for the most convenient sorbent dispensing point. Other benefits of the dispenser rack include:

- durable #3 nickel plated wire and 22-gauge enamel coated, steel construction;
- front panel with full-length hinge supports;
- two roll-point catches, which secure the front panel;
- five graphic icons describing product use on the front panel;
- holds one dispenser box on the wall;
- secure attachment to the wall with attachment points 16' on center;
- accommodation of the M-FL550DD Folded Maintenance Sorbent, the P-FL550DD Folded Petroleum Sorbent or the C-FL550DD Folded Chemical Sorbent.

Dispenser rack being loaded with 3M™ M-FL550DD Folded Maintenance Sorbent

Specifications and Ordering Information for 3M Folded Sorbents and Kits

Product Number	UPC (051138-)	Description	Color	Size	Packaging	Case Qty.
P-FL550DD	29141	Petroleum Sorbent-Folded	white	5" x 50' (12,7 cm x 15,24 m)	1/box	3
M-FL550DD	29071	Maintenance Sorbent-Folded	gray	5" x 50' (12,7 cm x 15,24 m)	1/box	3
C-FL550DD	29296	Chemical Sorbent-Folded	yellow	5" x 50' (12,7 cm x 15,24 m)	1/box	3
P-SKFL5	46289	Petroll Chemical Sorbent-Folded Spill Kit	—	5"x 26' (12,7 cm x 7,92 m) with perforations every 16" (19" x 26' [48,26 cm x 7,92 m]) fully opened)	1/roll	3 rolls
		Temporary disposal bag and tie	—		1	1
C-SKFL5	46288	Chemroll Chemical Sorbent-Folded Spill Kit	—	5" x 26' with (12,7 cm x 7,92 m) perforations every 16" (19" x 26' [48,26 cm x 7,92 m]) fully opened)	1/roll	3 rolls
		Temporary disposal bag and tie	—		1	1
M-RG36300E	29002	Standard Maintenance Sorbent Rug	—	36" x 300' (0,91 m x 91,44 m) (32 Gals./Rug)	1/case	1
M-RGC36100E	29003	Poly-backed Maintenance Sorbent Rug	—	36" x 100' (0,91 m x 30,48 m) (10.5 Gals./Rug)	1/case	1
A-RACK-1	29233	Folded Sorbent Dispenser Rack	—	21.5" H x 21.5" L x 6" W (54,61 cm x 54,61 cm x 15,24 cm)	1/case	1

Lettering Kits and Replenishment Decals

Scotchlite™ 5000 Reflective Lettering System

90

Convenient and easy to use, letters and numbers are self-spacing, with self-sticking adhesive. Highly visible characters stand out at wide angles and remain visible in wet weather. Using the Scotchlite reflective system proven in millions of highway applications, the 5000 lettering systems offer long-term durability. Numbers are black on yellow background, 1 x 1-1/2" (25,4 x 38,1 mm). Each kit contains 25 each: A-Z, 0-9, blank and dash characters, packaged in a clear, 36-compartment box, including an application tool.
RUS Listed.

Scotchcal™ 5003 Non-Reflective Lettering System

91

For in-plant, interior vault and pedestal cabinet applications. Self-spacing letter blocks are easy to apply for a neat, professional appearance. Highly visible white letters on a black background. Self-sticking adhesive and glossy vinyl base will stand up for years in severe weather and handling conditions. Assortment of 58 characters each: A-Z, 0-9, blank and dash characters are all provided in a 36-compartment box, including an applicator tool. Characters are 3/4 x 1" (19,05 x 25,4 mm).

Scotchlite 5005 Reflective Lettering System

92

Black characters on a “safety orange” background conform to the American National Standards Institute (ANSI) Z53.1-1979. All other features are identical to 5000 Reflective Lettering System.
RUS Listed.

Scotchlite 5025 Reflective Lettering System

A complete A-Z lettering and numbering system in black on “safety” orange. Characters are 1-7/8 x 3" (48 x 76 mm). Packaged in a clear, 36-compartment box. Contains 25 each of the letters A-Z, numbers 0-9, blank and dash. All characters are self-sticking and self-spacing. Application tool is included. Minimum order, 100 each.

5012 Decal Strip Holder

Designed for easy attachment to aerial or underground cables, poles and other structural hardware, the 5012 holder holds 4-18 characters to identify splices, load points, poles, etc. Polyethylene plastic strip can be attached with cable ties or nailed to poles.
RUS Listed.

Specifications and Ordering Information for Lettering Kits and Replenishment Decals

Product Number	UPC (054007-)	Description	Color	Inner Unit Pack	Case Qty.
5000	33129	Reflective lettering kit	yellow/black	1	1
5003	33130	Non-reflective lettering system	white/black	1	1
5005	33935	Reflective lettering kit	orange/black	1	1
5025	34385	Reflective lettering system kit	orange/black	1	1
5012	33388	Decal holder strip	—	1	25

* UPC prefix 051128-

Preparation and Cleaning

Scotch-Brite™ 07440 Series Hand Pads

93

3M™ Scotch-Brite Hand Pads make the toughest cleaning jobs easier. These pads are so versatile they will out-perform steel wool, wire brushes, sandpaper and other nonwoven surface conditioning products and can be used with water or solvents. They resist tearing, splintering, shredding and loading and will never rust.

All Scotch-Brite hand pads measure 6 x 9" (152 x 228 mm). Blending Pads are made of a coarse mineral abrasive. General Purpose Pads are reusable — they rinse clean and are constructed of a nylon web. Ultra Fine Pads are highly conformable.

Select the Scotch-Brite hand pads for your specific abrasion needs and carry them with you everywhere you work. You can use them on virtually any surface material, including all kinds of metals, plastics, composites, ceramics, porcelain, glass and rubber.

Product Information for Scotch-Brite 7440 Series Hand Pads

Product Number	7446-Blending Hand Pads	7447-General Purpose Hand Pads	7448 Ultra Fine Hand Pads
Features	Hand blending and finishing stainless steel and aluminum Light oxide removal Paint removal Wood highlighting	Scuff sanding, cleaning, finishing and deburring Use for car reconditioning - cleaning upholstery, headliners, white-wall tires, door pads and chrome Deburring metals and ceramics Cleaning machinery	Light duty — ideal for cosmetic cleaning and creating consistent finishes
Electrical Applications	Cleaning cable jackets, insulation and conductors Cleaning and polishing bus bar Cleaning insulators and cable accessories Rust removal from metal cabinets Relay contact cleaning Battery connections		
Color	Gray	Maroon	Gray
Size	6 x 9" (152 x 228 mm)	6 x 9" (152 x 228 mm)	6 x 9" (152 x 228 mm)

Ordering Information Scotch-Brite 7440 Series Hand Pads

Product Number	Color	Size	Pads/Box	Order Qty.	UPC (048011-)
7446-Blending Pads	Gray	6 x 9" (152 x 228 mm)	10	40 pads	04051
7447-General Purpose Pads	Maroon	6 x 9" (152 x 228 mm)	20	60 pads	04029
7448 Ultra Fine Fads	Gray	6 x 9" (152 x 228 mm)	20	60 pads	04028

Phone 800/472 1190 Fax 800/262 6329

Terminations

- **Glossary of Terminations Terms** pg. 204
- **Cable Types for Terminating** pg. 204
- **Cold Shrink QT-III** pg. 206
  Single Conductor
  Three Conductor
- **3/C Cable Breakout Boots**
  3/C Phase Rejacketing System pg. 213
- **Cold Shrink QT-II** pg. 215
- **Tape Terminations** pg. 222
- **Electrostatic Animal Guard** pg. 223

Cold Shrink Terminations

Over 25 years ago. 3M pioneered cold shrink technology. Since then, field use and laboratory analysis have repeatedly proven its merits and reliability. Through constant innovation, we have refined cold shrink products making them better than ever. They're easier to apply and built to withstand even the most punishing environmental conditions. Enhanced performance at a lower installed cost continue to make 3M the preferred choice for cold shrink solutions.

3M Cold Shrink QT-II and QT-III terminations are designed using 3M developed track resistant silicone rubber and Hi-K stress control material in conjunction with 3M's unique Cold Shrink delivery system.

The QT-II and the QT-III are supplied prestretched on a removable core. Removal of the core (unwind) after positioning the termination allows the product to shrink into position, providing a tight seal.

3M Cold Shrink terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable.

QT-II and QT-III Cold Shrink silicone rubber is specifically formulated as a high track resistant material with hydrophobicity (water repelling action) to insure a long life expectancy.

These Cold Shrink terminations are lightweight for either free-hanging or bracket mounting arrangements.

3M offers you two options for choosing a Cold Shrink Termination. The QT-III utilizes the latest technology with built in Hi-K stress controlling mastic and silicone sealing mastic resulting in a much more user-friendly application. The QT-II offers many of the same advantages and benefits as the QT-III but does require several additional steps during the installation.

Choosing the right terminations.

Questions to ask yourself before ordering a terminating product.

What is Voltage Rating?	5 kV___ 8 kV___ 15 kV___ 25/28 kV___ 35 kV___ 46 kV___
What is Insulation Level?	100%___ 133%___
What is Conductor Size?	_____ AWG/kcmil
What is Cable/Shielding Type?	(tape, drain wire, UniShield®, LC Shielded, Jacketed Concentric Neutral, other)_____
What is Conductor Material?	Copper _____ Aluminum (Al/Cu) _____
Where will the termination be mounted?	Indoor___ Outdoor___ Cabinet Indoor___ Vented Cabinet Outdoor ___ Heated Cabinet Outdoor ___

Glossary of Terminations Terms

Class 1 Termination – Provides electric stress control for the cable insulation shield terminus: provides complete external leakage insulation between the cable conductor(s) and ground; and provides a seal to the end of the cable against the entrance of the external environment and maintains the operating design pressure, if any, of the cable system. This class is divided into three types:

— Class 1A: For use on extruded dielectric cable
— Class 1B: For use on laminated dielectric cable
— Class 1C: Expressly for pressure-type cable systems

Class 2 Termination – Provides electric stress control for the cable insulation shield terminus, and provides complete external leakage insulation between the cable conductor(s) and ground.

Class 3 Termination – Provides electric stress control for the cable insulation shield terminus.

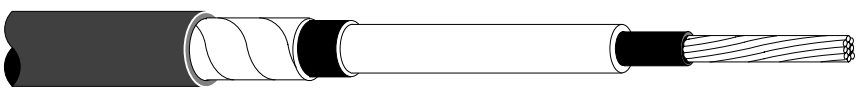
Indoor Termination–Dry – A termination intended for use where it is protected from solar radiation and precipitation and not subject to periodic condensation, or other excessive humidity (90% RH or more). May be installed in air conditioned or heated areas.

Indoor Termination–Wet – A termination intended for use where it is protected from direct exposure to both solar radiation and precipitation, but is subjected to climatic conditions that can cause condensation onto the termination surfaces.

Outdoor Termination – A termination intended for use where it is not protected from direct exposure to either solar radiation or precipitation. These are Class 1A, 1B, or 1C terminations. Class 2 terminations may also qualify.

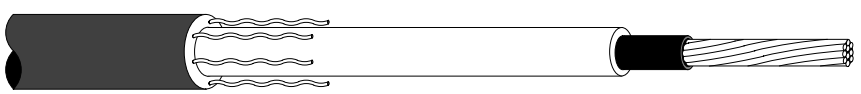
Note: Some cables below 15 kV do not have an insulation shield. Terminations for such cables would not be required to provide electric stress control. In such cases, this provision would not be part of the definition.

Cable Types for Terminating



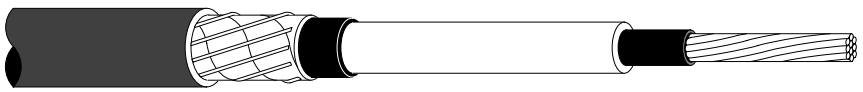
Tape Shielded Cable

Wire Shielded Cable

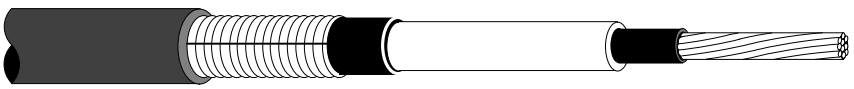


UniShield® Cable

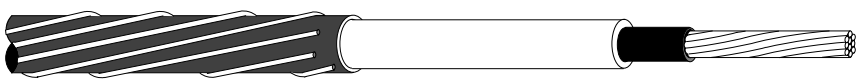
Cable Types for Terminating



Wire Over Tape Shielded Cable

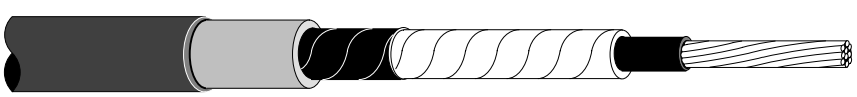


LC Shielded Cable



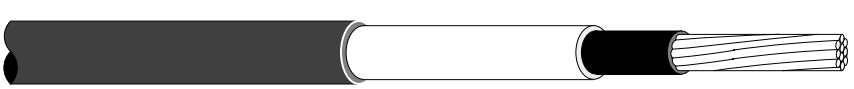
Concentric Neutral (CN) Cable

Jacketed Concentric Neutral (JCN) Cable



Paper Insulated Lead Covered (PILC) Cable

Nonshielded (Dry) Cable



Nonshielded (Wet or Dry) Cable

QT-III Silicone Rubber

Single Conductor

3M™ Cold Shrink QT-III terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable. The unique step-core design combined with the built in Hi-K stress control and silicone sealing compounds means simpler installation on all types of cable. The QT-III assures long-term reliability through an improved silicone rubber body with enhanced hydrophobic recovery. UV stability and track and erosion resistance. Plus its Hi-K stress control design delivers excellent BIL performance and lower surface stress resulting in a more compact termination. Through superior engineering, 3M Cold Shrink QT-III terminations deliver maximum performance.

Cold Shrink QT-III Outdoor Termination 94

Cold Shrink QT-III Indoor Tubular Termination

Kit Number	BIL	Cable Insulation O.D. Range in. (mm)	Conductor Size Range AWG and kcmil (mm²) 5 kV	8.7 kV	15 kV	25/28 kV	UPC (054007-)
Shielded Cable Kits (Each kit makes three terminations)							
7620-T-95	95 kV	0.32 – 0.59 (8,2 – 15,0)	8 – 4	8 – 6	—	—	41758
7621-T-95	95 kV	0.44 – 0.89 (11,2 – 22,7)	2 – 3/0	4 – 2/0	—	—	41759
7622-T-110	110 kV	0.64 – 1,08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	41760
7624-T-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	—	41761
7625-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	—	41762
7626-T-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (500 – 1000)	—	41763
7693-T-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	41778
7695-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	41779
7696-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (500 – 1000)	900 – 1750 (500 – 800)	41780
Concentric and Jacketed Concentric Cable Kits (Each kit makes one termination)							
7642-T-110	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	41764
7644-T-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	—	41766
7645-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	—	41768
7646-T-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (500 – 1000)	—	41770
7653-T-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	41772
7655-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	41774
7656-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (500 – 1000)	900 – 1750 (500 – 800)	41776
High Fault Current Cable Kits (Each kit makes one termination)							
7642-T-HSG-110	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	41765
7644-T-HSG-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	—	41767
7645-T-HSG-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	—	41769
7646-T-HSG-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (500 – 1000)	—	41771
7653-T-HSG-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	41773
7655-T-HSG-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	41775
7656-T-HSG-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (500 – 1000)	900 – 1750 (500 – 800)	41777

Cold Shrink QT-III Outdoor Skirted Termination

Kit Number	BIL	Cable Insulation O.D. Range in. (mm)	Conductor Size Range AWG and kcmil (mm²) 5 kV	8.7 kV	15 kV	25/28 kV	35 kV	UPC (054007-)
Shielded Cable Kits (Each kit makes three terminations)								
7620-S-2	95 kV	0.32 – 0.59 (8,2 – 15,0)	8 – 4	8 – 6	—	—	—	42168
7621-S-2	95 kV	0.44 – 0.89 (11,2 – 22,7)	2 – 3/0	4 – 2/0	—	—	—	42169
7622-S-2	110 kV	0.64 – 1,08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	—	42170
7692-S-4	150 kV	0.64 – 1,08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	2 – 1/0 (35 – 50)	—	42211
7693-S-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	—	42212
7694-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	2/0 – 250 (70 – 150)	—	42213
7695-S-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (125 – 400)	—	42214
7696-S-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	—	42215
7683-S-8	200 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)	42465
7684-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	2/0 – 250 (70 – 150)	2 – 4/0 (35 – 120)	42466
7685-S-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (125 – 400)	3/0 – 600 (95 – 325)	42467
7686-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)	42468
Concentric and Jacketed Concentric Cable Kits (Each kit makes one termination)								
7642-S-2	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0–300	2–4/0 (35–120)	—	—	42011
7652-S-4	150 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0–300	2–4/0 (35–120)	2 – 1/0 (35 – 120)	—	42178
7653-S-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250–500	2/0–300 (70–150)	2 – 4/0 (35 – 120)	—	42192
7654-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350–700	4/0–500 (120–240)	2/0 – 250 (70 – 150)	—	42203
7655-S-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600–1250	500–1000 (240–500)	250 – 800 (150 – 400)	—	42208
7656-S-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500–2000	1250–2000 (625–1000)	900 – 1750 (500 – 800)	—	42210
7663-S-8	200 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250–500	2/0–300 (70–150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)	42433
7664-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350–700	4/0–500 (120–240)	2/0 – 250 (70 – 150)	2 – 4/0 (35 – 120)	42447
7665-S-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600–1250	500–1000 (240–500)	250 – 800 (150 – 400)	3/0 – 600 (95 – 325)	42461
7666-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500–2000	1250–2000 (625–1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)	42463
High Fault Current Cable Kits (Each kit makes one termination)								
7652-S-HSG-4	150 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	2 – 1/0 (35 – 50)	—	42171
7653-S-HSG-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	—	42185
7654-S-HSG-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	2/0 – 250 (70 – 150)	—	42199
7655-S-HSG-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	—	42207
7656-S-HSG-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	—	42209
7663-S-HSG-8	200 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)	42440
7664-S-HSG-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	2/0 – 250 (70 – 150)	2 – 4/0 (35 – 120)	42454
7665-S-HSG-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (125 – 400)	3/0 – 600 (95 – 325)	42462
7666-S-HSG-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)	42464
Inverted Kits for Shielded Cable (Each kit makes three terminations)								
7622-S-INV-2	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	—	43016
7693-S-INV-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	—	43017
7695-S-INV-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	—	43018
7696-S-INV-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (500 – 1000)	900 – 1750 (500 – 800)	—	43019
Inverted Kits for Concentric and Jacketed Concentric Cable (Each kit makes one termination)								
7642-S-INV-2	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	—	04622
7653-S-INV-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	—	04625
7655-S-INV-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	—	04623
7656-S-INV-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	—	04624
Concentric and Jacketed Concentric Cable Kits with Top Insulator (Each kit makes one termination)								
7652-S-4-TI	150 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	2 – 1/0 (35 – 50)	—	43409
7653-S-4-TI	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	—	43410
7654-S-4-TI	150 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	2/0 – 250 (70 – 150)	—	43411
7655-S-4-TI	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	—	43412
7656-S-4-TI	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	—	43413

Three Conductor

3M™ 7600 Series Three Conductor Cable Termination Kits are designed to terminate medium voltage power cables rated up to 35 kV. 7600-3W series kits are designed for three conductor cables without internal ground wires. 7600-RJS series kits are designed for cabinet-mount installations and can be used on cables with, or without, internal ground wires.

Each termination kit has all of the materials required to make a three conductor termination (except lugs, which must be ordered separately).

Kit components include:

- Three QT-III Silicone Rubber Termination assemblies, tubular or skirted depending upon the termination environment and location.
- Three four-foot RJS Silicone Rubber Rejacketing Sleeve assemblies.
- The 7600-3W series kits also include a silicone rubber breakout boot.

3M™ QT-III Silicone Rubber

Termination Type Selection Guide

Kit Series	Insulator Configuration	Installation Environment	Orientation	For Cable Type (s) (With or Without Ground Wires)
7600-S-3W	Skirted	Outdoor	Normal	W (Without)
7600-T-3W	Tubular	Indoor	Normal	W (Without)
7690-S-INV-3W	Skirted	Outdoor	Inverted	W (Without)
7600-S-3-RJS	Skirted	Indoor-Cabinet Mount (No Breakout Boot)	Normal	G or W (With or Without)
7600-T-3-RJS	Tubular	Indoor-Cabinet Mount (No Breakout Boot)	Normal	G or W (With or Without)
7690-S-INV-3-RJS	Skirted	Indoor-Cabinet Mount (No Breakout Boot)	Inverted	G or W (With or Without)

7600-S-3W Series — Kit Selection Guide

Kit Number	BIL kV	Cable Insulation Range mm (in.)	3.3 kV (mm2) IEC	3.3 kV (mm2) JIS	5.0 kV (AWG) AEIC	6.6 kV (mm2) JIS	6.6 kV (mm2) IEC	8.7 kV (AWG) AEIC	10 kV (mm2) IEC	UPC (051131-)
7620-S-2-3W	95	8.40-12.7 (0.33-0.50)	16-35	8-22	8-2	—	16-25	6-4	—	04748
7621-S-2-3W	95	12.7-17.8 (0.50-0.70)	50-95	38-60	1-3/0	—	35-70	2-2/0	10-50	04749
7622-S-2-3W	110	17.8-23.4 (0.70-0.92)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04750
7691-S-4-3W	150	12.7-17.8(0.50-0.70)	50-95	38-60	1-3/0	—	35-70	2-2/0	10-50	04751
7692-S-4-3W	150	17.8-23.4 (0.70-0.92)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04752
7693-S-4-3W	150	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04753
7695-S-4-3W	150	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	300-325	—	750-1000	—	04754
7684-S-8-3W	200	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04755
7685-S-8-3W	200	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	300-325	—	750-1000	—	04756

(Final determining factor is cable insulation diameter. Listed insulation ranges allow +2.54 mm (0.10") for shielding.)

Kit Number	BIL kV	Cable Insulation Range mm (in.)	15 kV (mm2) IEC	15 kV (AWG) AEIC	20 kV (mm2) IEC	25/28 kV (AWG) AEIC	30 kV (mm2) IEC	35 kV (AWG) AEIC	UPC (051131-)
7620-S-2-3W	95	8.40-12.7 (0.33-0.50)	—	—	—	—	—	—	04748
7621-S-2-3W	95	12.7-17.8 (0.50-0.70)	16-25	—	—	—	—	—	04749
7622-S-2-3W	110	17.8-23.4 (0.70-0.92)	35-95	1/0-4/0	—	—	—	—	04750
7691-S-4-3W	150	12.7-17.8(0.50-0.70)	16-25	—	—	—	—	—	04751
7692-S-4-3W	150	17.8-23.4 (0.70-0.92)	35-95	1/0-4/0	25-70	2-1/0	—	—	04752
7693-S-4-3W	150	23.4-30.0 (0.92-1.18)	120-185	250-450	95-185	2/0-250	—	—	04753
7695-S-4-3W	150	30.0-38.6 (1.18-1.52)	200-325	500-750	240-300	300-500	—	—	04754
7684-S-8-3W	200	23.4-30.0 (0.92-1.18)	120-185	250-450	95-185	2/0-250	35-70	1/0-3/0	04755
7685-S-8-3W	200	30.0-38.6 (1.18-1.52)	200-325	500-750	240-300	300-500	95-240	4/0-500	04756

7600-T-3W Series — Kit Selection Guide

Kit Number	BIL kV	Cable Insulation Range mm (in.)	3.3 kV (mm2) IEC	3.3 kV (mm2) JIS	5.0 kV (AWG) AEIC	6.6 kV (mm2) JIS	6.6 kV (mm2) IEC	8.7 kV (AWG) AEIC	10 kV (mm2) IEC	UPC (051131-)
7620-T-95-3W	95	8.40-12.7 (0.33-0.50)	16-35	8-22	8-2	—	16-25	6-4	—	04731
7621-T-95-3W	95	12.7-17.8 (0.50-0.70)	50-95	38-60	1-3/0	—	35-70	2-2/0	10-50	04732
7623-T-95-3W	95	17.8-23.4 (0.70-0.92)	120-185	100-150	4/0-400	—	95-150	3/0-350	70-150	04733
7624-T-95-3W	95	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	—	185-300	400-600	185-300	04734
7625-T-95-3W	95	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	—	—	750-1000	—	04735
7621-T-110-3W	110	12.7-17.8 (0.50-0.70)	50-95	38-60	1-3/0	14-38	35-70	2-2/0	10-50	04736
7622-T-110-3W	110	17.8-23.4 (0.70-0.92)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04737
7624-T-110-3W	110	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04738
7625-T-110-3W	110	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	300-325	—	750-1000	—	04739
7622-T-125-3W	125	17.8-23.4 (0.70-0.92)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04740
7624-T-125-3W	125	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04741
7625-T-125-3W	125	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	300-325	—	750-1000	—	04742
7693-T-150-3W	150	17.8-23.4 (0.70-0.92)	120-185	100-150	4/0-400	60-100	950-150	3/0-350	70-150	41743
7694-T-150-3W	150	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04744
7695-T-150-3W	150	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	300-325	—	750-1000	—	04745

(Final determining factor is cable insulation diameter. Listed insulation ranges allow +2.54 mm (0.10") for shielding.)

Kit Number	BIL kV	Cable Insulation Range mm (in.)	15 kV (mm2) IEC	15 kV (AWG) AEIC	20 kV (mm2) IEC	25/28 kV (AWG) AEIC	UPC (051131-)
7620-T-95-3W	95	8.40-12.7 (0.33-0.50)	—	—	—	—	04731
7621-T-95-3W	95	12.7-17.8 (0.50-0.70)	16-25	—	—	—	04732
7623-T-95-3W	95	17.8 23.4 (0.70-0.92)	35-95	—	—	—	04733
7624-T-95-3W	95	23.4-30.0 (0.92-1.18)	120-185	—	—	—	04734
7625-T-95-3W	95	30.0-38.6 (1.18-1.52)	200-325	—	—	—	04735
7621-T-110-3W	110	12.7-17.8 (0.50-0.70)	6-25	2-1	—	—	04736
7622-T-110-3W	110	17.8-23.4 (0.70-0.92)	35-95	1/0-4/0	—	—	04737
7624-T-110-3W	110	23.4-30.0 (0.92-1.18)	120-185	250-450	—	—	04738
7625-T-110-3W	110	30.0-38.6 (1.18-1.52)	200-325	500-750	—	—	04739
7622-T-125-3W	125	17.8-23.4 (0.70-0.92)	35-95	1/0-4/0	25-70	—	04740
7624-T-125-3W	125	23.4-30.0 (0.92-1.18)	120-185	250-450	95-185	—	04741
7625-T-125-3W	125	30.0-38.6 (1.18-1.52)	200-325	500-750	240-300	—	04742
7693-T-150-3W	150	17.8-23.4 (0.70-0.92)	35-95	1/0-4/0	25-70	2-1/0	04743
7694-T-150-3W	150	23.4-30.0 (0.92-1.18)	120-185	250-450	95-185	2/0-250	04744
7695-T-150-3W	150	30.0-38.6 (1.18-1.52)	200-325	500-750	240-300	300-500	04745

7600-S-INV-3W Series — Kit Selection Guide

Kit Number	Cable Insulation Range mm (in.)	3.3 kV (mm2) JIS	3.3 kV (mm2) AEIC	5.0 kV (AWG) JISIEC	6.6 kV (mm2) AEIC	6.6 kV (mm2) IEC	8.7 kV (AWG) IEC	10 kV (mm2) AEIC	UPC (051131-)
7693-S-4-INV-3W	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04746
7695-S-4-INV-3W	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	300-325	—	750-1000	—	04747

(Final determining factor is cable insulation diameter. Listed insulation ranges allow +2.54 mm (0.10") for shielding.)

Kit Number	Cable Insulation Range mm (in.)	15 kV (mm2) IEC	15 kV (AWG) AEIC	20 kV (mm2) IEC	25/28 kV (AWG) AEIC	UPC (051131-)
7693-S-4-INV-3W	23.4-30.0 (0.92-1.18)	120-185	250-450	95-185	2/0-250	04746
7695-S-4-INV-3W	30.0-38.6 (1.18-1.52)	200-325	500-750	240-300	300-500	04747

7600-S-3-RJS Series — Kit Selection Guide

Kit Number	BIL kV	Cable Insulation Range mm (in.)	3.3 kV (mm2) IES	3.3 kV (mm2) JIS	5.0 kV (AWG) AIEC	6.6 kV (mm2) JIS	6.6 kV (mm2) IEC	8.7 kV (AWG) AEIC	10 kV (mm2) IEC	UPC (054007-)
7620-S-2-3-RJS	95	0.33-0.50 (8.40-12.7)	16-35	8-22	8-2	—	16-25	6-4	—	04722
7621-S-2-3-RJS	95	0.50-0.70 (12.7-17.8)	50-95	38-60	1-3/0	—	35-70	2-2/0	10-50	04723
7622-S-2-3-RJS	110	0.70-0.92 (17.8-23.4)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04724
7691-S-4-3-RJS	150	0.50-0.70 (12.7-17.8)	50-95	38-60	1-3/0	—	35-70	2-2/0	10-50	04725
7692-S-4-3-RJS	150	0.70-0.92 (17.8-23.4)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04726
7693-S-4-3-RJS	150	0.92-1.18 (23.4-30.0)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04727
7695-S-4-3-RJS	150	1.18-1.52 (30.0-38.6)	—	300-325	800-1000	300-325	—	750-1000	—	04728
7684-S-8-3-RJS	200	0.92-1.18 (23.4-30.0)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04729
7685-S-8-3-RJS	200	1.18-1.52 (30.0-38.6)	—	300-325	800-1000	300-325	—	750-1000	—	04730

(Final determining factor is cable insulation diameter. Listed insulation ranges allow +2.54 mm (0.10") for shielding.)

Kit Number	BIL kV	Cable Insulation Range mm (in.)	15 kV (mm2) IEC	15 kV (AWG) AEIC	20 kV (mm2) IEC	25/28 kV (AWG) AEIC	30 kV (mm2) IEC	35 kV (AWG) AEIC	UPC (054007-)
7620-S-2-3-RJS	95	0.33-0.50 (8.40-12.7)	—	—	—	—	—	—	04722
7621-S-2-3-RJS	95	0.50-0.70 (12.7-17.8)	16-25	—	—	—	—	—	04723
7622-S-2-3-RJS	110	0.70-0.92 (17.8-23.4)	35-95	1/0-4/0	—	—	—	—	04724
7691-S-4-3-RJS	150	0.50-0.70 (12.7-17.8)	16-25	2-1	—	—	—	—	04725
7692-S-4-3-RJS	150	0.70-0.92 (17.8-23.4)	35-95	1/0-4/0	25-70	2-1/0	—	—	04726
7693-S-4-3-RJS	150	0.92-1.18 (23.4-30.0)	120-185	250-450	95-185	2/0-250	—	—	04727
7695-S-4-3-RJS	150	1.18-1.52 (30.0-38.6)	200-325	500-750	240-300	300-500	—	—	04728
7684-S-8-3-RJS	200	0.92-1.18 (23.4-30.0)	120-185	250-450	95-185	2/0-250	35-70	1/0-3/0	04729
7685-S-8-3-RJS	200	1.18-1.52 (30.0-38.6)	200-325	500-750	240-300	300-500	95-240	4/0-500	04730

7690-S-INV-3 RJS Series — Kit Selection Guide

Kit Number	Cable Insulation Range mm (in.)	3.3 kV (mm2) IEC	3.3 kV (mm2) JIS	5.0 kV (AWG) AEIC	6.6 kV (mm2) JIS	6.6 kV (mm2) IEC	8.7 kV (AWG) AEIC	10 kV (mm2) IEC	UPC (054007-)
7693-S-4-INV-3-RJS	23.4-30.0 (0.92-1.18)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04720
7695-S-4-INV-3-RJS	30.0-38.6 (1.18-1.52)	—	300-325	800-1000	300-325	—	750-1000	—	04721

(Final determining factor is cable insulation diameter. Listed insulation ranges allow +2.54 mm (0.10") for shielding.)

Kit Number	Cable Insulation Range mm (in.)	15 kV (mm2) IEC	15 kV (AWG) AEIC	20 kV (mm2) IEC	25/28 kV (AWG) AEIC	UPC (054007-)
7693-S-4-INV-3-RJS	23.4-30.0 (0.92-1.18)	120-185	250-450	95-185	2/0-250	04720
7695-S-4-INV-3-RJS	30.0-38.6 (1.18-1.52)	200-325	500-750	240-300	300-500	04721

7600-T-3-RJS Series — Kit Selection Guide

Kit Number	BIL kV	Cable Insulation Range mm (in.)	3.3 kV (mm2) IEC	3.3 kV (mm2) JIS	5.0 kV (AWG) AEIC	6.6 kV (mm2) JIS	6.6 kV (mm2) IEC	8.7 kV (AWG) AEIC	10 kV (mm2) IEC	UPC (054007-)
7620-T-95-3-RJS	95	0.33-0.50 (8.40-12.7)	16-35	8-22	8-2	—	16-25	6-4	—	04810
7621-T-95-3-RJS	95	0.50-0.70 (12.7-17.8)	50-95	38-60	1-3/0	—	35-70	2-2/0	10-50	04586
7623-T-95-3-RJS	95	0.70-0.92 (17.8-23.4)	120-185	100-150	4/0-400	—	95-150	3/0-350	70-150	04707
7624-T-95-3-RJS	95	0.92-1.18 (23.4-30.0)	240-300	200-250	500-750	—	185-300	400-600	185-300	04708
7625-T-95-3-RJS	95	1.18-1.52 (30.0-38.6)	—	300-325	800-1000	—	—	750-1000	—	04709
7621-T-110-3-RJS	110	0.50-0.70 (12.7-17.8)	50-95	38-60	1-3/0	14-38	35-70	2-2/0	10-50	04710
7622-T-110-3-RJS	110	0.70-0.92 (17.8-23.4)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04711
7624-T-110-3-RJS	110	0.92-1.18 (23.4-30.0)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04712
7625-T-110-3-RJS	110	1.18-1.52 (30.0-38.6)	—	300-325	800-1000	300-325	—	750-1000	—	04713
7622-T-125-3-RJS	125	0.70-0.92 (17.8-23.4)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04714
7624-T-125-3-RJS	125	0.92-1.18 (23.4-30.0)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04715
7625-T-125-3-RJS	125	1.18-1.52 (30.0-38.6)	—	300-325	800-1000	300-325	—	750-1000	—	04716
7693-T-150-3-RJS	150	0.70-0.92 (17.8-23.4)	120-185	100-150	4/0-400	60-100	95-150	3/0-350	70-150	04717
7694-T-150-3-RJS	150	0.92-1.18 (23.4-30.0)	240-300	200-250	500-750	150-250	185-300	400-600	185-300	04718
7695-T-150-3-RJS	150	1.18-1.52 (30.0-38.6)	—	300-325	800-1000	300-325	—	750-1000	—	04719

(Final determining factor is cable insulation diameter. Listed insulation ranges allow +2.54 mm (0.10") for shielding.)

Kit Number	BIL kV	Cable Insulation Range mm (in.)	15 kV (mm2) IEC	5 kV (AWG) AEIC	20 kV (mm2) IEC	25/28 kV (AWG) AEIC	UPC (054007-)
7620-T-95-3-RJS	95	0.33-0.50 (8.40-12.7)	—	—	—	—	04810
7621-T-95-3-RJS	95	0.50-0.70 (12.7-17.8)	16-25	—	—	—	04586
7623-T-95-3-RJS	95	0.70-0.92 (17.8-23.4)	35-95	—	—	—	04707
7624-T-95-3-RJS	95	0.92-1.18 (23.4-30.0)	120-185	—	—	—	04708
7625-T-95-3-RJS	95	1.18-1.52 (30.0-38.6)	200-325	—	—	—	04709
7621-T-110-3-RJS	110	0.50-0.70 (12.7-17.8)	16-25	2-1	—	—	04710
7622-T-110-3-RJS	110	0.70-0.92 (17.8-23.4)	35-95	1/0-4/0	—	—	04711
7624-T-110-3-RJS	110	0.92-1.18 (23.4-30.0)	120-185	250-450	—	—	04712
7625-T-110-3-RJS	110	1.18-1.52 (30.0-38.6)	200-325	500-750	—	—	04713
7622-T-125-3-RJS	125	0.70-0.92 (17.8-23.4)	35-95	1/0-4/0	25-70	—	04714
7624-T-125-3-RJS	125	0.92-1.18 (23.4-30.0)	120-185	250-450	95-185	—	04715
7625-T-125-3-RJS	125	1.18-1.52 (30.0-38.6)	200-325	500-750	240-300	—	04716
7693-T-150-3-RJS	150	0.70-0.92 (17.8-23.4)	35-95	1/0-4/0	25-70	2-1/0	04717
7694-T-150-3-RJS	150	0.92-1.18 (23.4-30.0)	120-185	250-450	95-185	2/0-250	04718
7695-T-150-3-RJS	150	1.18-1.52 (30.0-38.6)	200-325	500-750	240-300	300-500	04719

3/C Cable Breakout Boots
3/C Phase Rejacketing System

3M™ Cold Shrink Silicone Rubber 8560 Series 3/C Cable Breakout Boots and 3M™ Silicone Rubber RJS Series 3/C phase Rejacketing Systems are designed to be used n conjunction with 3M terminations, to seal the breakout area and rejacket the phases on three conductor cable.

3M Cold Shrink Silicone Rubber 8560 Series 3/C Cable Breakout Boots

3M 8561 through 8565 Silicone Cold Shrink Cable Breakout Boots are a series of open-ended molded rubber sealing assemblies that are factory expanded and mounted on removable inner-supporting plastic ores. They are supplied for field installation in a pre-stretched condition.
The supporting cores are removed after the seal has been positioned for installation around the breakout are of a three conductor cable. Core removal allows the silicone rubber boot to shrink down to a predetermined diameter; creating an environmental enclosure for individual cable phase legs and the overall cable jacket.

8560 Series Breakout Boots are designed to protect the phase leg breakout of 3/C medium voltage power cable from exposure to moisture, contamination, corrosion, ozone, ultra-violet radiation, physical contact and other hazards associated with 3/C termination operating environments. 8560 Series Breakout Boots can be used in conjunction with 3M silicone Rubber Cold Shrink Rejacketing Sleeves for 3/C shielded power cable terminating applications.

Features and Benefits:

- Versatile; installs quickly and accommodates a wide range of cable sizes.
- Simple hand application; no need for special installation tools.
- No torches or heat required.
- No specific user skills or craftsmanship required.
- Excellent resistance to ozone and ultra-violet radiation.
- High dry and wet insulation resistance.
- Highly flexible; accommodates all power cable supplier bend radius recommendations.
- Seals tight; retains resiliency and pressure even after prolonged years of aging and exposure.
- Compatible with all 3M Cold Shrink Termination Products and RJS Series Phase Rejacketing Sleeves.

3M™ QT-III Silicone Rubber 94

3M™ 3/C Phase Rejacketing System

3M RJS Series Rejacketing Sleeves are designed so that 3M Cold Shrink QT-III & Q-TIII Silicone Rubber Terminations can be used on 3/C (three conductor) medium voltage shielded power cables of tape shield, wire shield, armored and non-armored configurations. RJS Rejacketing Assemblies are a series of silicone rubber insulators incorporating a inner-expandable polyester braid designed to reduce sliding friction and deliver the insulator onto the cable. Rejacketing sleeves are designed to protect the phase legs (core) of 3/C shielded power cable from exposure to moisture, corrosion, ozone, ultra-violet radiation, physical contact and other hazards that are associated with termination operating environments. Rejacketing sleeves are designed to be used in conjunction with 3M cold Shrink Breakout Boots and Silicone Rubber Terminations.

Features and Benefits:

- Versatile; installs quickly and accommodates a wide range of cable sizes.
- Simple hand application; no need for special installation tools.
- No torches or heat required.
- No specific user skills or craftsmanship required.
- Excellent resistance to ozone and ultra-violet radiation.
- High dry and wet insulation resistance.
- Excellent shelf life.
- Easy to adjust sleeve length; adapts to variable equipment connection and mounting requirements.
- Compatible with 3M Cold Shrink PST Breakout Boots and Termination Products.

3M™ Cold Shrink Silicone Rubber 8560 Series- 3/C Cable Breakout Boots

Product Number	UPC (054007-)	Cable Phase Shield Diameter Range mm (in.)	Cable Outer Jacket Diameter Range mm (in.)	Inner Unit Pack	Case Qty.
8561	43143	12.2-18.3 (0.48-0.72)	29.7-49.3 (1.17-1.94)	1/bag	1/box
8562	43144	15.5-24.2 (0.61-0.95)	37.1-67.8 (1.46 - 2.67)	1/bag	1/box
8563	43145	20.8-30.0 (0.82-1.18)	48.8-78.7 (1.92-3.10)	1/bag	1/box
8564	43146	26.0-41.1 (1.02-1.63)	64.0-109.8 (2.52-4.32)	1/bag	1/box
8565	43147	27.7-49.3 (1.09-1.94)	66.1-119.4 (2.60-4.70)	1/bag	1/box

Rejacketing Sleeve Selection Guide—Based on Diameter Range and Cable Conductor Size

Product Number	UPC (054007-)	Size feet	Metallic Shield Diameter Range mm (in.)	3.3 kV (mm) IEC	3.3 kV (mm) JIS	5.0 kV (AWG) AEIC	6.6 kV (mm) IEC	6.6 kV (mm) JIS	8.0 kV (AWG) AEIC	Inner Unit Pack	Case Qty.
RJS-1	43098	4	10.9-15.2 (0.43-0.60)	16-35	8-22	8-2	16--25	8-10	6-4	10 bags/bx.	10
RJS-1	43099	10	10.9-15.2 (0.43-0.60)	16-35	8-22	8-2	16--25	8-10	6-4	1 bag/bx.	1
RJS-2	43100	4	15.2-20.3 (0.60-0.80)	50-95	38-60	1-3/0	35-70	14-38	2-2/0	10 bags/bx.	10
RJS-2	43101	10	15.2-20.3 (0.60-0.80)	50-95	38-60	1-3/0	35-70	14-38	2-2/0	1 bag/bx.	1
RJS-3	43102	4	20.3-26.0 (0.80-1.02)	120-185	100-150	4/0-400	95-150	60-100	3/0-350	10 bags/bx.	10
RJS-3	43103	10	20.3-26.0 (0.80-1.02)	120-185	100-150	4/0-400	95-150	60-100	3/0-350	1 bag/bx.	1
RJS-4	43104	4	25.9-32.4 (1.02-1.28)	240-300	200-250	500-750	185-300	150-250	400-600	10 bags/bx.	10
RJS-4	43105	10	25.9-32.4 (1.02-1.28)	240-300	200-250	500-750	185-300	150-250	400-600	1 bag/bx.	1
RJS-5	43106	4	32.5-41.1 (1.28-1.62)	—	300-325	800-1000	—	300-325	750-1000	10 bags/bx.	10
RJS-5	43107	10	32.5-41.1 (1.28-1.62)	—	300-325	800-1000	—	300-325	750-1000	1 bag/bx.	1

Rejacketing Sleeve Selection Guide—Based on Diameter Range and Cable Conductor Size

Product Number	UPC (054007-)	Size feet	Metallic Shield Diameter Range mm (in.)	10 kV (mm) IEC	15 kV (AWG) AEIC	20 kV (mm) IEC	25 kV (AWG) AEIC	30 kV (mm) IEC	35 kV (AWG) AEIC	Inner Unit Pack	Case Qty.
RJS-1	43098	4	10.9-15.2 (0.43-0.60)	—	—	—	—	—	—	10 bags/bx.	10
RJS-1	43099	10	10.9-15.2 (0.43-0.60)	—	—	—	—	—	—	1 bag/bx.	1
RJS-2	43100	4	15.2-20.3 (0.60-0.80)	10-50	2-1	—	—	—	—	10 bags/bx.	10
RJS-2	43101	10	15.2-20.3 (0.60-0.80)	10-50	2-1	—	—	—	—	1 bag/bx.	1
RJS-3	43102	4	20.3-26.0 (0.80-1.02)	70-150	1/0-4/0	25-70	2-1/0	—	—	10 bags/bx.	10
RJS-3	43103	10	20.3-26.0 (0.80-1.02)	70-150	1/0-4/0	25-70	2-1/0	—	—	1 bag/bx.	1
RJS-4	43104	4	25.9-32.4 (1.02-1.28)	185-300	250-450	95-185	2/0-250	35-70	1/0-3/0	10 bags/bx.	10
RJS-4	43105	10	25.9-32.4 (1.02-1.28)	185-300	250-450	95-185	2/0-250	35-70	1/0-3/0	1 bag/bx.	1
RJS-5	43106	4	32.5-41.1 (1.28-1.62)	—	500-750	240-300	300-500	95-240	4/0-500	10 bags/bx.	10
RJS-5	43107	10	32.5-41.1 (1.28-1.62)	—	500-750	240-300	300-500	95-240	4/0-500	1 bag/bx.	1

QT-II Indoor and Outdoor Terminations

3M™ Cold Shrink QT-II terminations provide easy installation for a broad spectrum of indoor and outdoor applications. The Cold Shrink QT-II termination is based on specially formulated, track-resistant silicone rubber insulators with built-in Hi-K stress relief. The insulators are pre-stretched around a spiral-wound, plastic core. When the terminator is slipped over a properly prepared cable and the core is removed, the terminator immediately shrinks to the cable's dimensions. The result is a void-free, flexible seal without special tools or torches.

3M™ Cold Shrink QT-II Indoor Termination 95

5620K Series Indoor Termination Kits for 5 to 15 kV (for Tape, Wire and UniShield® Shield Cable)

Kit Number	UPC (054007-)	Cable Insulation O.D. Range in. (mm)	Conductor Size Range				
			5 kV 100%	5 kV 133% 8 kV 100%	8 kV 133%	15 kV 100%	15 kV133%
Shielded Cable Kits – Tubular Termination (Each Shielded Cable Kit makes three terminations)							
5621K	12250	0.32 – 0.46 (8 – 12)	8 – 4 AWG (10 – 16 mm²)	8 – 6 AWG (10 – 14 mm²)	8 AWG (10 mm²)	—	—
5622K	12251	0.44 – 0.65 (1 – 17)	2 – 2/0 AWG (35 – 60 mm²)	4 – 1/0 AWG (22 – 50 mm²)	6 – 1 AWG (14 – 38 mm²)	—	—
5623K	12252	0.56 – 0.87 (14 – 22)	2/0 AWG – 250 kcmil (70 – 125 mm²)	1/0 – 4/0 AWG (60 – 100 mm²)	1 – 3/0 AWG (50 – 80 mm²)	4 – 2/0 AWG (22 – 60 mm²)	4 – 1 AWG (22 – 38 mm²)
5624K	12254	0.78 – 1.30 (20 – 33)	300 – 750 kcmil (180 – 325 mm²)	250 – 750 kcmil (125 – 325 mm²)	4/0 AWG – 600 kcmil (120 – 300 mm²)	2/0 AWG – 500 kcmil (70 – 250 mm²)	1 AWG – 350 kcmil (38 – 150 mm²)
5625K	12255	1.09 – 1.80 (28 – 46)	600 – 1500 kcmil (325 – 725 mm²)	600 – 1500 kcmil (325 – 725 mm²)	500 – 1250 kcmil (300 – 625 mm²)	500 – 1250 kcmil (300 – 625 mm²)	350 – 1000 kcmil (180 – 500 mm²)

6020K Series Indoor Termination Kits for 15 to 25/28 kV (for Tape, Wire and UniShield® Shield Cable)

Kit Number	UPC (054007-)	Cable Insulation O.D. Range in. (mm)	Cable Jacket O.D. Range in. (mm)	Conductor Size Range		
				15 kV 100%	15 kV 133%	25/28 kV
Shielded Cable Kits – Tubular Termination (Each Shielded Cable Kit makes three terminations)						
6022K	49934	0.64 – 0.90 (16,3 – 22,9)	0.80 – 1.20 (20,3 – 30,5)	2 – 3/0 AWG (35 – 80 mm²)	4 – 2/0 AWG (22 – 60 mm²)	2 – 1 AWG (35 – 38 mm²)
6023K	49935	0.84 – 1.33 (21,3 – 33,8)	1.00 – 1.60 (25,4 – 40,6)	3/0 AWG – 500 kcmil (95 – 250mm²)	2/0 AWG – 350 kcmil (70 – 150 mm²)	1 AWG – 250 kcmil (38 – 125 mm²)
6024K	49936	1.10 – 1.65 (27,9 – 41,9)	1.30 – 1.90 (33,0 – 48,3)	500 – 750 kcmil (300 – 325 mm²)	350 – 700 kcmil (180 – 325 mm²)	250 – 600 kcmil (125 – 300 mm²)
6025K	49937	1.30 – 1.95 (33,0 – 49,5)	1.50 – 2.40 (38,1 – 61,0)	750 – 1750 kcmil (400 – 850 mm²)	700 – 1500 kcmil (400 – 750 mm²)	600 – 1250 kcmil (325 – 625 mm²)

5630K Series Termination Kits for 5 to 15 kV (for Tape, Wire and UniShield® Shield Cable)

Kit Number	UPC (054007-)	Cable Insulation O.D. Range in. (mm)	Cable Jacket O.D. Range in. (mm)	Conductor Size Range				
				5 kV 100%	5 kV 133% 8 kV 100%	8 kV 133%	15 kV 100%	15 kV133%
Shielded Cable Kits (Each Shielded Cable Kit makes three terminations)								
4 Skirt								
5632K	49681	0.33 – 0.69 (8 – 17)	0.55 – 0.92 (14 – 23)	8 – 2/0 AWG (10 – 60 mm²)	8 – 1/0 AWG (10 – 50 mm²)	8 – 1 AWG (10 – 38 mm²)	8 – 4 AWG (10 – 16 mm²)	8 – 6 AWG (10 – 14 mm²)
5633K	12256	0.64 – 0.90 (16 – 23)	0.80 – 1.20 (20 – 30)	3/0 AWG – 300 kcmil (95 – 150 mm²)	2/0 AWG – 250 kcmil (70 – 125 mm²)	1/0 – 4/0 AWG (60 – 100 mm²)	2 – 3/0 AWG (35 – 80 mm²)	4 – 1/0 AWG (22 – 50 mm²)
5635K	12257	0.84 – 1.33 (21 – 34)	1.00 – 1.60 (25 – 41)	350 – 750 kcmil (180 – 325 mm²)	300 – 750 kcmil (180 – 325 mm²)	250 – 600 kcmil (125 – 325 mm²)	3/0 AWG – 500 kcmil (95 – 250 mm²)	2/0 AWG – 350 kcmil (70 – 180 mm²)
5636K	12258	1.10 – 1.65 (28 – 42)	1.30 – 1.90 (33 – 48)	750 – 1500 kcmil (400 – 725 mm²)	750 – 1250 kcmil (400 – 625 mm²)	600 – 1000 kcmil (325 – 500 mm²)	500 – 1000 kcmil (300 – 500 mm²)	350 – 750 kcmil (180 – 325 mm²)
5637K	12259	1.30 – 1.95 (33 – 50)	1.50 – 2.40 (33 – 61)	1000 – 2000 kcmil (600 – 1000 mm²)	1000 – 2000 kcmil (600 – 1000 mm²)	800 – 1750 kcmil (500 – 850 mm²)	750 – 1750 kcmil (400 – 850 mm²)	600 – 1500 kcmil (325 – 725 mm²)

NOTE: Because of the various factors which affect Cable Primary Insulation O.D. and Cable Jacket O.D. (e.g., type of conductor, insulation thickness), the cable sizes in the chart above are guidelines. Confirm conductor will fit within cable insulation range.

NOTE: For three conductor cable applications, consult your 3M sales representative.

5600 and 5680 Series Outdoor Termination Kits for 5 to 35 kV (for Concentric Neutral Cables)

Kit Number	UPC (054007-)	Cable Insulation O.D. Range in. (mm)	Conductor Size Range					
			5 kV 100%	5 kV 133% 8 kV 100%	8 kV 133%	15 kV	125/28 kV	35 kV
Non-jacketed Concentric Cable Kits (Each concentric and Jacketed Concentric Cable Kit makes one termination)								
4 Skirt								
5601	02427	0.637 – 1.12 (16 – 28)	3/0 AWG – 500 kcmil (95 – 250 mm²)	2/0 AWG – 500 kcmil (35 – 25 mm²)	1/0 AWG – 350 kcmil (60 – 150 mm²)	2 – 4/0 AWG (35 – 100 mm²)	—	—
5602	11882	0.84 – 1.38 (21 – 35)	350 – 750 kcmil (180 – 325 mm²)	350 – 750 kcmil (180 – 325 mm²)	250 – 750 kcmil (125 – 325 mm²)	250 – 500 kcmil (125 – 250 mm²)	—	—
5603	11885	1.08 – 1.80 (27 – 46)	750 – 1000 kcmil (400 – 500 mm²)	750 – 1500 kcmil (400 – 725 mm²)	500 – 1250 kcmil (300 – 625 mm²)	500 – 1200 kcmil (300 – 600 mm²)	—	—
6 Skirt								
5681	09133	0.637 – 1.12 (16 – 28)	3/0 AWG – 500 kcmil (95 – 250 mm²)	2/0 AWG – 500 kcmil (35 – 250 mm²)	1/0 AWG – 350 kcmil (60 – 150 mm²)	2 – 4/0 AWG (35 – 100 mm²)	2 – 2/0 AWG (35 – 60 mm²)	—
5682	69794	0.84 – 1.38 (21 – 35)	350 – 750 kcmil (180 – 325 mm²)	350 – 750 kcmil (180 – 325 mm²)	250 – 750 kcmil (125 – 325 mm²)	250 – 500 kcmil (125 – 250 mm²)	1 AWG – 350 kcmil (50 – 150 mm²)	—
5683	69795	1.08 – 1.80 (27 – 46)	750 – 1000 kcmil (400 – 500 mm²)	750 – 1500 kcmil (400 – 725 mm²)	500 – 1250 kcmil (300 – 625 mm²)	500 – 1200 kcmil (300 – 600 mm²)	350 – 750 kcmil (180 – 325 mm²)	—
5684	69796	1.31 – 2.10 (33 – 53)	—	—	—	—	750 – 1500 kcmil (400 – 725 mm²)	—
8 Skirt								
5604**	08002	0.637 – 1.12 (16 – 28)	3/0 AWG – 500 kcmil (95 – 250 mm²)	2/0 AWG – 500 kcmil (35 – 250 mm²)	1/0 AWG – 350 kcmil (60 – 150 mm²)	2 – 4/0 AWG (35 – 100 mm²)	2 – 2/0 AWG (35 – 60 mm²)	—
5605	11888	0.84 – 1.38 (21 – 35)	350 – 750 kcmil (180 – 325 mm²)	350 – 750 kcmil (180 – 325 mm²)	250 – 750 kcmil (125 – 325 mm²)	250 – 500 kcmil (125 – 250 mm²)	1 AWG – 350 kcmil (50 – 150 mm²)	1 – 4/0 AWG (50 – 100 mm²)
5606	11893	1.08 – 1.80 (27 – 46)	750 – 1000 kcmil (400 – 500 mm²)	750 – 1500 kcmil (400 – 725 mm²)	500 – 1250 kcmil (300 – 625 mm²)	500 – 1200 kcmil (300 – 600 mm²)	350 – 750 kcmil (180 – 325 mm²)	4/0 AWG – 500 kcmil (120 – 250 mm²)
5607	11897	1.31 – 2.10 (33 – 53)	—	—	—	—	750 – 1500 kcmil (400 – 725 mm²)	500 – 1250 kcmil (300 – 625 mm²)
5608	09168	1.80 – 2.75 (46 – 70)	—	—	—	—	—	1000 – 2000 kcmil (500 – 1000 mm²)

** The 5604 is rated 25/28 kV.

5640 and 5650 Series Outdoor Termination Kits for 15 to 35 kV (for Jacketed Concentric Neutral Cable)

Kit Number	UPC (054007-)	Cable Insulation O.D. Range in. (mm)	Cable Jacket O.D. Range in. (mm)	Conductor Size Range 15 kV	25/28 kV	35 kV
Jacketed Concentric Cable Kits (Each Concentric and Jacketed Concentric Cable Kit makes one termination)						
4 Skirt						
5641	11963	0.637 – 1.12 (16 – 28)	0.93 – 1.35 (24 – 34)	2 – 2/0 AWG (35 – 60 mm²)	—	—
5642	11970	0.84 – 1.38 (21 – 35)	1.19 – 1.72 (30 – 44)	3/0 AWG – 350 kcmil (95 – 180 mm²)	—	—
5643	11972	1.08 – 1.80 (27 – 46)	1.37 – 2.02 (35 – 51)	400 – 700 kcmil (240 – 325 mm²)	—	—
5644	11973	1.31 – 2.10 (33 – 53)	1.62 – 2.55 (41 – 65)	750 – 1500 kcmil (400 – 725 mm²)	—	—
6 Skirt						
5651	09132	0.637 – 1.12 (16 – 28)	0.93 – 1.35 (24 – 34)	2 – 2/0 AWG (35 – 60 mm²)	2 – 1/0 AWG (35 – 50 mm²)	
5652	69791	0.84 – 1.38 (21 – 35)	1.19 – 1.72 (30 – 44)	3/0 AWG – 350 kcmil (95 – 180 mm²)	1/0 AWG – 250 kcmil (60 – 125 mm²)	—
5653	69792	1.08 – 1.80 (27 – 46)	1.37 – 2.02 (35 – 51)	400 – 700 kcmil (240 – 325 mm²)	250 – 500 kcmil (125 – 250 mm²)	—
5654	69793	1.31 – 2.10 (33 – 53)	1.62 – 2.55 (41 – 65)	750 – 1500 kcmil (400 – 725 mm²)	500 – 1250 kcmil (300 – 625 mm²)	—
8 Skirt						
5646	11975	0.84 – 1.38 (21 – 35)	1.19 – 1.72 (30 – 44)	3/0 AWG – 350 kcmil (95 – 180 mm²)	1/0 AWG – 250 kcmil (60 – 125 mm²)	1 – 3/0 AWG (50 – 80 mm²)
5647	11976	1.08 – 1.80 (27 – 46)	1.37 – 2.02 (35 – 51)	400 – 700 kcmil (240 – 325 mm²)	250 – 500 kcmil (125 – 250 mm²)	4/0 AWG – 300 kcmil (120 – 150 mm²)
5648	11977	1.31 – 2.10 (33 – 53)	1.62 – 2.55 (41 – 65)	750 – 1500 kcmil (400 – 725 mm²)	500 – 1250 kcmil (300 – 625 mm²)	350 – 1000 kcmil (180 – 500 mm²)
5649	09958	1.80 – 2.30 (46 – 58)	2.10 – 2.75 (53 – 70)	—	—	1000 – 1500 kcmil (600 – 725 mm²)

5690K Series Outdoor Termination Kits for 15 to 35 kV (for Tape, Wire and UniShield® Shield Cable)

Kit Number	UPC (054007-)	Cable Insulation O.D. Range in. (mm)	Cable Jacket O.D. Range in. (mm)	Conductor Size Range 15 kV 100%	15 kV 133%	25/28 kV	35 kV
Shielded Cable Kits (Each Shielded Cable Kit makes three terminations)							
6 Skirt							
5691K	49395	0.64 – 0.90 (16,3 – 22,9)	0.80 – 1.20 (20,3 – 30,5)	2 – 3/0 AWG (35 – 80 mm²)	2 – 1/0 AWG (35 – 50 mm²)	2 – 1 AWG (35 – 38 mm²)	—
5692K	49396	0.84 – 1.33 (21,3 – 33,8)	1.00 – 1.60 (25,5 – 40,6)	3/0 AWG – 400 kcmil (95 – 200 mm²)	2/0 AWG – 350 kcmil (70 – 180 mm²)	1/0 AWG – 250 kcmil (60 – 125 mm²)	—
5693K	49397	1.10 – 1.65 (27,9 – 41,9)	1.30 – 1.90 (33 – 48,3)	500 – 750 kcmil (300 – 325 mm²)	400 – 750 kcmil (240 – 325 mm²)	300 – 500 kcmil (180 – 250 mm²)	—
5694K	49398	1.30 – 1.95 (33 – 49,5)	1.50 – 2.40 (38,1 – 61)	800 – 1750 kcmil (500 – 850 mm²)	800 – 1500 kcmil (500 – 725 mm²)	600 – 1250 kcmil (325 – 625 mm²)	—
8 Skirt							
5696K	49399	0.84 – 1.33 (21 – 33,8)	1.00 – 1.60 (25,4 – 40,6)	3/0 AWG – 400 kcmil (95 – 200 mm²)	2/0 AWG – 350 kcmil (70 – 180 mm²)	1/0 AWG – 250 kcmil (60 – 125 mm²)	2 – 3/0 AWG (35 – 80 mm²)
5697K	49400	1.10 – 1.65 (27,9 – 41,9)	1.30 – 1.90 (33 – 48,3)	500 – 750 kcmil (300 – 325 mm²)	400 – 750 kcmil (240 – 325 mm²)	300 – 500 kcmil (180 – 250 mm²)	4/0 AWG – 300 kcmil (120 – 150 mm²)
5698K	49401	1.30 – 1.95 (33 – 49,5)	1.50 – 2.40 (38,1 – 61)	800 – 1750 kcmil (500 – 850 mm²)	800 – 1500 kcmil (500 – 725 mm²)	600 – 1250 kcmil (325 – 625 mm²)	500 – 1000 kcmil (300 – 500 mm²)

Specifications and Ordering Information for 4604 and 4605 Silicone Rubber Termination Kits for 46 kV

	Part Number	UPC (054007-)	Conductor Range	Cable Insulation O.D. Range	Creepage Distance	Arcing Distance	Case Qty.
4604 and 4605 Silicone Rubber Termination Kits	**Tape Shielded Cable, Wire Shielded Cable, LC Shielded Cable** **See page 196 for cable type illustrations.**						
	4604	50192	4/0 AWG-600 kcmil (120-300 mm^2)	1.31-2.10" (33-53 mm)	46" (max.) (1168 mm)	30" (max.) (762 mm)	1
	4605	50193	600-1500 kcmil (325-725 mm^2)	1.80-2.66" (46-66 mm)	46" (max.) (1168 mm)	30" (max.) (762 mm)	1

Note: Because of the various factors which affect cable primary insulation O.D. and cable jacket O.D. (e.g. type of conductor, insulation thickness), the cable sizes in the chart above are guidelines. Confirm that cable insulation O.D. fits range specified above for the termination. **For three conductor applications, consult your 3M sales representative.**

5610A Series Silicone Rubber Termination Kits for 5 to 8 kV

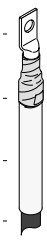
3M™ Cold Shrink 5610A series termination kits provide an environmental seal to the terminal lug area of 5 to 8 kV unshielded power cable. Each kit contains everything needed (except terminal lug) to seal three cable ends. Kits can be used for both indoor (protected) and outdoor (weather-exposed) applications.

The silicone rubber provides tracking protection for the lug ends of the cable.

Each kit contains:
- 3 Silicone rubber unshielded terminations
- 3 strips Scotch® 70 silicone rubber tape*
- Instructions

*5614A contains one roll of Scotch 70 silicone rubber tape.

Specifications and Ordering Information for 5610-A Series Silicone Rubber Termination Kits for 5 and 8 kV

	Part Number	UPC (054007-)	Conductor Range	Cable Insulation O.D. Range	Terminations per Kit	Case Qty.
5610A Series Silicone Rubber Termination Kits 5 kV and 8 kV		**Nonshielded (Dry) Cable, Nonshielded (Wet or Dry) Cable See page 196 for cable type illustrations.**				
	5611A	49549	8-4 AWG (10-16 mm²)	0.31 x 0.72" (7,9-18,3 mm)	3	1
	5612A	49550	2-2/0 AWG (35-60 mm²)	0.44 x 0.95" (11,2-24,1 mm)	3	1
	5613A	49551	3/0 AWG-300 kcmil (95-150 mm²)	0.56 x 1.18" (14,2-30,0 mm)	3	1
	5614A	49552	350-1000 kcmil (180-500 mm²)	0.95 x 1.94" (24,1-49,3 mm)	3	1

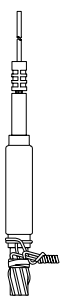
Note: Because of the various factors which affect cable primary insulation O.D. and cable jacket O.D. (e.g. type of conductor, insulation thickness), the cable sizes in the chart above are guidelines. Confirm that cable insulation O.D. fits range specified above for the termination.

5671 and 5672 Termination Kits for 5 to 15 kV

3M™ Cold Shrink QT II 5671 and 5672 kits are one-piece, 5 to 15 kV, Class 3 terminations. They will terminate CN or JCN cables. A Hi-K (high dielectric constant) stress control tube insulated with a track-resistant silicone rubber tube are prestretched together onto a removable core. Meets IEEE Standard 48-1990. Each kit makes one termination.

Each kit contains:
- Hi-K silicone rubber terminations
- Silicone rubber terminator
- Packet of silicone grease
- Instructions

Specifications and Ordering Information for 5670 Series Silicone Rubber Termination Kits for 5 and 15 kV

	Part Number	UPC (054007-)	Conductor Range	Cable Insulation O.D. Range	Terminations per Kit	Case Qty.
5671 and 5672 Termination Kits		**Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See page 196 for cable type illustrations.**				
	5671	33798	2 AWG-250 kcmil (35-125 mm²)	0.637-1.120" (16-28 mm)	1	10
	5672	33799	250-1000 kcmil (125-500 mm²)	0.940-1.810" (24-46 mm)	1	10

Note: Because of the various factors which affect cable primary insulation O.D. and cable jacket O.D. (e.g. type of conductor, insulation thickness), the cable sizes in the chart above are guidelines. Confirm that cable insulation O.D. fits range specified above for the termination.

Specifications and Ordering Information for 5800-Pb Series PILC Silicone Rubber Termination Kits for 15 kV

	Part Number	UPC (054007-)	Conductor Range	Conductor Size Stranded	Conductor Size Solid	Cable Insulation O.D. Range	Terminations per Kit	Case Qty.
5800-Pb Series Four-Skirt PILC Silicone Rubber Termination Kits			**Paper Insulated Lead Covered (PILC) Cable See page 196 for cable type illustrations.**					
	5801-Pb	50448	4-2/0 AWG (22-60 mm²)	—	—	0.59-0.90" (14,9-22,9 mm)	1	1
	5801-Pb-2*	50451	—	2 AWG	1 AWG	0.59-0.90" (14,9-22,9 mm)	1	1
	5801-Pb-1/0*	50449	—	1/0 AWG	2/0 AWG	0.59-0.90" (14,9-22,9 mm)	1	1
	5801-Pb-2/0*	50450	—	2/0AWG	3/0 AWG	0.59-0.90" (14,9-22,9 mm)	1	1
	5802-Pb	50452	2/0 AWG-250 kcmil (70-125 mm²)	—	—	0.71-1.01" (18,0-25,7 mm)	1	1
	5802-Pb-3/0*	50453	—	3/0AWG	4/0 AWG	0.71-1.01" (18,0-25,7 mm)	1	1
	5802-Pb-4/0*	50454	—	4/0 AWG	250 kcmil	0.71-1.01" (18,0-25,7 mm)	1	1
	5802-Pb-250*	50455	—	250 kcmil	—	0.71-1.01" (18,0-25,7 mm)	1	1
	5803-Pb	50456	350-600 kcmil (180-300 mm²)	—	—	0.94-1.36" (23,9-34,5 mm)	1	1
	5803-Pb-350*	50457	—	350 kcmil	—	0.94-1.36" (23,9-34,5 mm)	1	1
	5803-Pb-500*	50458	—	500 kcmil	—	0.94-1.36" (23,9-34,5 mm)	1	1
	5804-Pb	50459	750-1250 kcmil (400-625 mm²)	—	—	1.20-1.90" (30,5-48,3 mm)	1	1
	5806-Pb	50460	2/0 AWG-250 kcmil (70-125mm²)	—	—	0.71-1.01" (18,0-25,7 mm)	1	1
	5807-Pb	50463	350-600 kcmil (180-300 mm²)	—	—	0.94-1.36" (23,9-34,5 mm)	1	1
	5808-Pb	50468	750-1250 kcmil (400-625 mm²)	—	—	1.20-1.90" (30,5-48,3 mm)	1	1
	5808-Pb-750*	41909	—	750 kcmil	—	1.20-1.90" (30,5-48,3 mm)	1	1

Note: Because of the various factors which affect cable primary insulation O.D. and cable jacket O.D. (e.g. type of conductor, insulation thickness), the cable sizes in the chart above are guidelines. Confirm that cable insulation O.D. fits range specified above for the termination. **For three conductor applications, consult your 3M sales representative.**
***Termination kits include oil stop lug.**
Note: Oil stop lugs must be used with 5800-Pb series terminations.

Specifications and Ordering Information for 5800-Pb Series PILC Silicone Rubber Termination Kits for 25/28 kV

Part Number	UPC (054007-)	Conductor Range	Conductor Size Stranded	Conductor Size Solid	Cable Insulation O.D. Range	Terminations per Kit	Case Qty.
5800-Pb Series Six-Skirt PILC Silicone Rubber Termination Kits (with Oil Seal Lugs)		**Paper Insulated Lead Covered (PILC) Cable See page 196 for cable type illustrations.**					
5806-Pb	50460	2-1/0 AWG (35-60mm²)	—	—	0.71-1.01" (18,0-25,7 mm)	1	1
5806-Pb-2*	50462	—	2 AWG	1 AWG	0.71-1.01" (18-26 mm)	1	1
5806-Pb-1/0*	50461	—	1/0 AWG	—	0.71-1.01" (18-26 mm)	1	1
5807-Pb	50463	2/0 AWG-250 kcmil (70-125 mm²)	—	—	0.94-1.36" (23,9-34,5 mm)	1	1
5807-Pb-2/0*	50464	—	2/0 AWG	3/0 AWG	0.94-1.36" (24-35 mm)	1	1
5807-Pb-3/0*	50465	—	3/0 AWG	4/0 AWG	0.94-1.36" (24-35 mm)	1	1
5807-Pb-4/0*	50466	—	4/0 AWG	250 kcmil	0.94-1.36" (24-35 mm)	1	1
5807-Pb-250*	50467	—	250 kcmil	—	0.94-1.36" (24-35 mm)	1	1
5808-Pb	50468	350-1000 kcmil (185-500 mm²)	—	—	1.20-1.90" (30,5-48,3 mm)	1	1
5808-Pb-350*	50469	—	350 kcmil	—	1.20-1.90" (30-48 mm)	1	1
5808-Pb-500*	50470	—	500 kcmil	—	1.20-1.90" (30-48 mm)	1	1
5808-Pb-750*	41909	—	750kcmil	—	1.20-1.90" (30-48 mm)	1	1

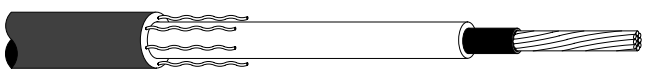
Note: Because of the various factors which affect cable primary insulation O.D. and cable jacket O.D. (e.g. type of conductor, insulation thickness), the cable sizes in the chart above are guidelines. Confirm that cable insulation O.D. fits range specified above for the termination. **For three conductor applications, consult your 3M sales representative.**
***Termination kits include oil stop lugs.**
Note: Oil stop lugs must be used with 5800-Pb series terminations.

Tape Terminations

Scotch® 5700 Series Tape Termination Kits for 5-25 kV

Tape Shielded Cable

Wire Shielded Cable



UniShield® Cable

Concentric Neutral (CN) Cable

Scotch 5700 Series Tape Termination Kits are designed to terminate solid dielectric shielded power cables rated 5 kV to 25/28 kV with Tape Shielded, Wire Shielded, UniShield® and Concentric Neutral construction in weather-protected areas. They can be upgraded to Class 1 (indoors only) with the use of Scotch 70 silicone rubber electrical tape (see kit instructions).

Each kit contains:

- Scotch 13 semiconducting tape
- Scotch 130C high-voltage splicing tape
- Scotch 33+ vinyl plastic electrical tape
- Scotch 2220 electrical stress control tape
- 3 Mechanical ground straps
- Cable preparation kit, including: 3 Solvent-saturated cleaning pads and a strip of aluminum oxide abrasive cloth
- Instructions

Lugs not included, order separately.
Meets IEEE Standard 48-1990 for Class 3 requirements.
Each kit makes three terminations.

Product Number	UPC (054007-)	Voltage Rating	Conductor Range	Case Qty.
5701	11248	5 kV 8 kV 15 kV	8–4/0 AWG (10–100 mm^2) 8–4/0 AWG (10–100 mm^2) 8–4/0 AWG (10–100 mm^2)	1
5702	11255	5 kV 8 kV 15 kV	250–1000 kcmil (150–500 mm^2) 250–1000 kcmil (150–500 mm^2) 250–750 kcmil (150–325 mm^2)	1
5703	11263	25/28 kV	800–1000 kcmil (500–500 mm^2)	1

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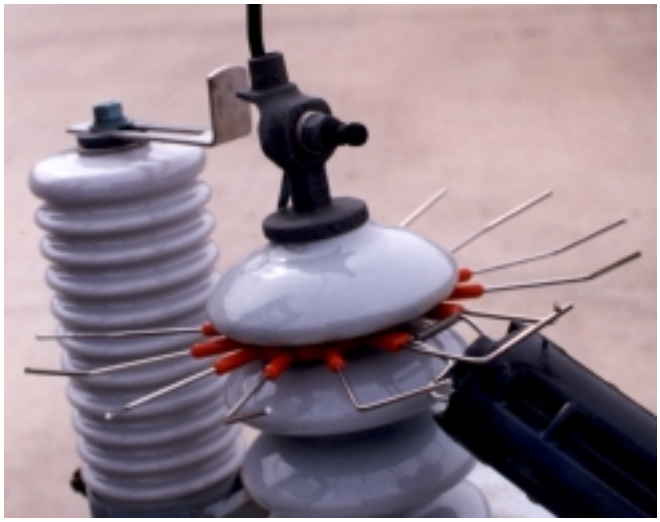
Electrostatic Animal Guard



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3M™ Electrostatic Animal Guard (formerly Guthrie Guard) is a patented electrostatic barrier which attaches to energize electrical insulators/bushings rated up to 35 kV. The guard consists of rugged plastic with metal spokes radiating outward. When an animal touches the spokes, it receives an electric shock similar to those generated by electrified livestock fences. The animal is not injured and power service is not interrupted.

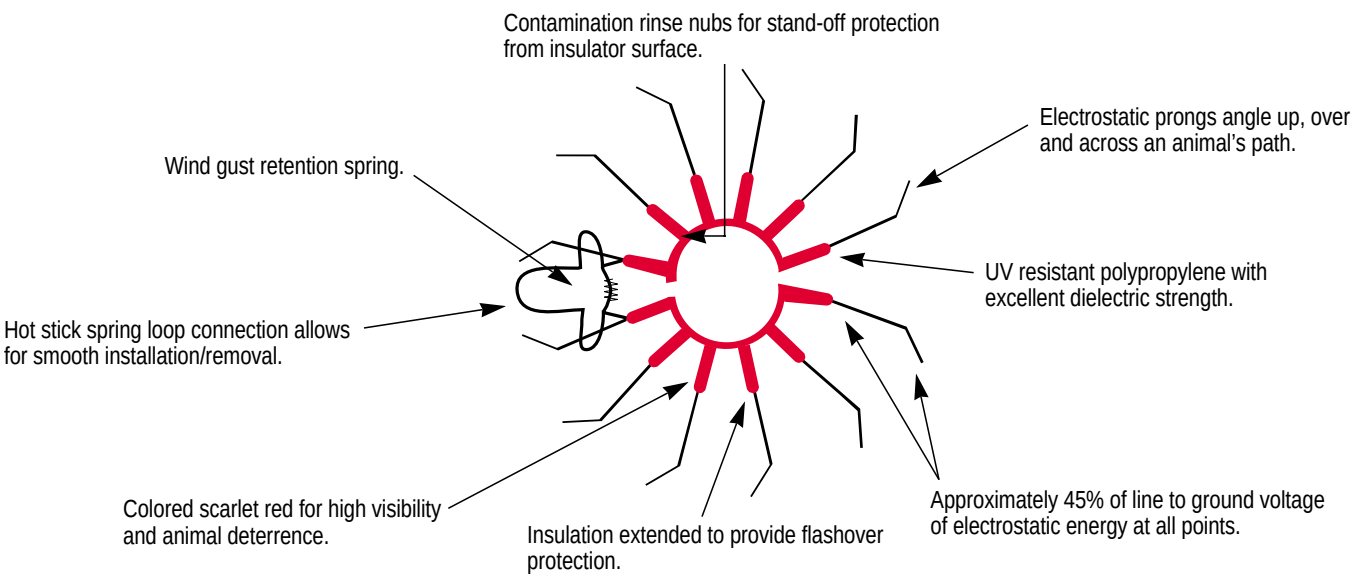
With 3M Electrostatic Animal Guard, electric utilities can minimize customer outages due to animal contact. 3M Electrostatic Animal Guard offers several advantages over other conventional cover-up devices:

- simple installation
- maximum longevity
- humane

Specifications and Ordering Information

Kit Number	UPC (054007-)	Insulator Neck Diameter Range* in. (mm)
GG-7525	43128	0.75 – 2.5 (19,1 – 63,7)
GG-1525	43125	1.5 – 2.5 (38,2 – 63,7)
GG-2545	43126	2.5 – 4.5 (63,7 – 114,7)
GG-4565	43127	4.5 – 6.5 (114,7 – 165,7)

*Insulator neck diameter range is defined as the diameter of the insulator in between the skirts.



Phone 800/245 3573 Fax 800/245 0329

Loadbreak Elbows

- **200 Amp Industrial Loadbreak Elbows** pg. 226
- **200 Amp Industrial Loadbreak Elbow Accessories** pg. 229

3M™ 200 Amp Industrial Loadbreak Elbow is a fully shielded and insulated plug-in termination for connecting underground cable to transformers, switchgear and junctions equipped with loadbreak bushings. The elbow and the bushing insert comprise the essential components of all loadbreak connections. The 5810 and 5811 series kits are designed for use on Tape Shield, Wire Shield, UniShield® and Jacketed Concentric Neutral types of cables. The seal to each of these cable types is accomplished by use of a specially designed cold shrink tube. This tube seals from the bottom of the elbow to the cable. Also included in the kit are all the ground assemblies necessary to ground both the cable and the elbow.

The loadbreak elbows are molded using high quality peroxide-cured EPDM insulation. Standard features include a coppertop connector, tin plated copper loadbreak probe with an ablative arc-follower tip, stainless steel reinforced pulling-eye and a capacitive test point.

Cable ranges are sized to accept a wider range of cable diameters for a given size elbow. The wider cable ranges increase installation flexibility.

The coppertop compression connector is a standard item to transition from the cable to the loadbreak probe. An aluminum crimp barrel is inertia-welded to a copper lug. The aluminum barrel makes the connector easy to crimp and the copper lug ensures a reliable, tight, cool operating connection with the loadbreak probe. Meets requirements of ANSI/IEEE Standard 386.

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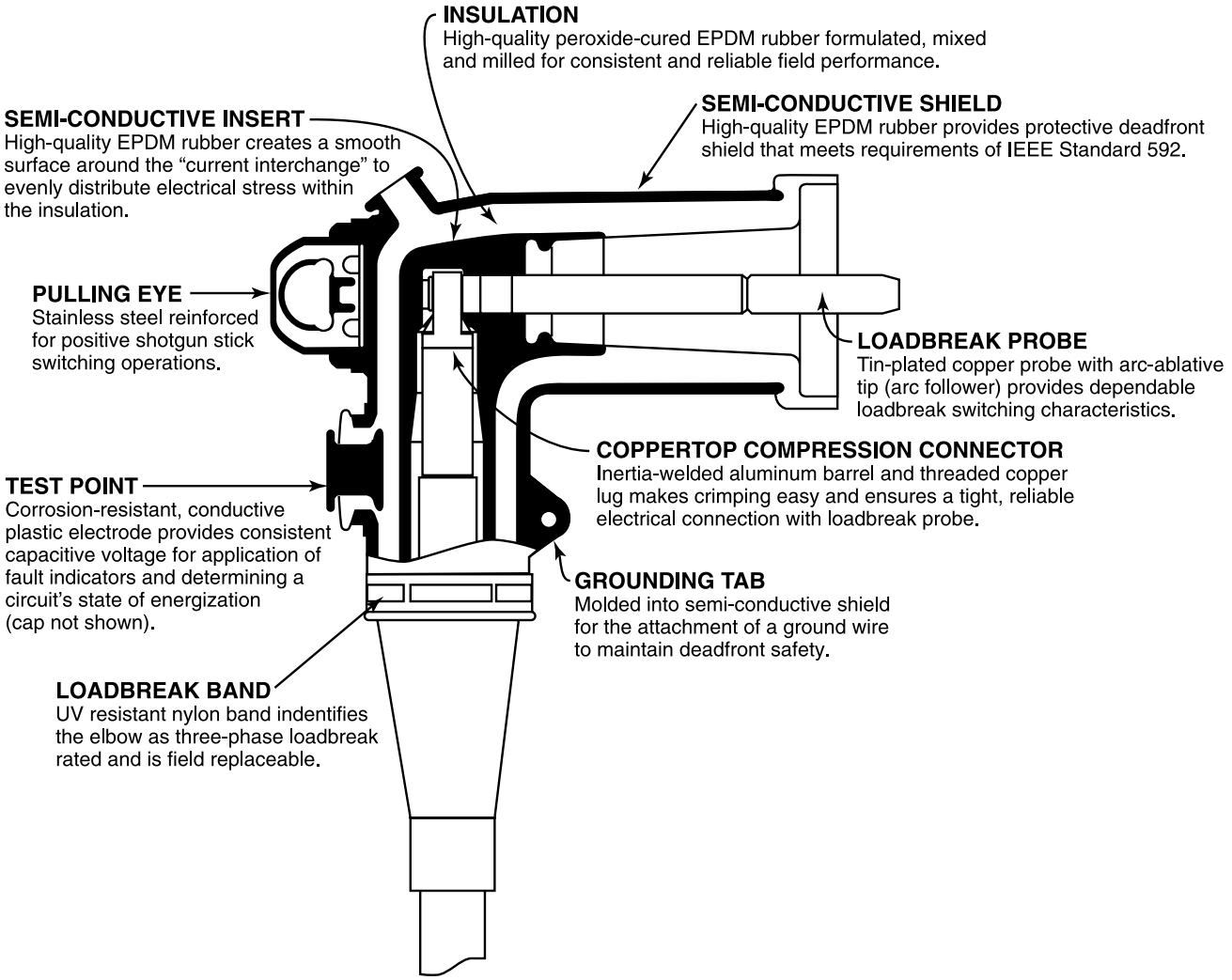
15 kV 200 Amp Industrial Loadbreak Elbow Features and Detailed Description



5810 & 5811 Series Elbow Kit Contents

- Elbow Body
- Coppertop Compression Connector*
- Loadbreak Probe
- Probe Installation Tool
- Silicone Lubricant
- Cold Shrink Jacketing Tube
- Mastic Strips
- Ground Braid Assembly
- Constant Force Spring
- CC-3 Cable Cleaning Pads
- Installation Instructions

The 5810-CA and 5810-CB series kits contain the following additional materials:

- Cable Adapter
- Silicone Lubricant
- Supplemental Installation Instructions

*Elbow kit also available without connector.

Connector Table

Connector Number	Conductor Size (AWG/kcmil) Stranded	Compact/Solid
LBC-4	4	—
LBC-3	3	2
LBC-2	2	1
LBC-1	1	1/0
LBC-1/0	1/0	2/0
LBC-2/0	2/0	3/0
LBC-3/0	3/0	4/0
LBC-4/0	4/0	250
LBC-250	250	—

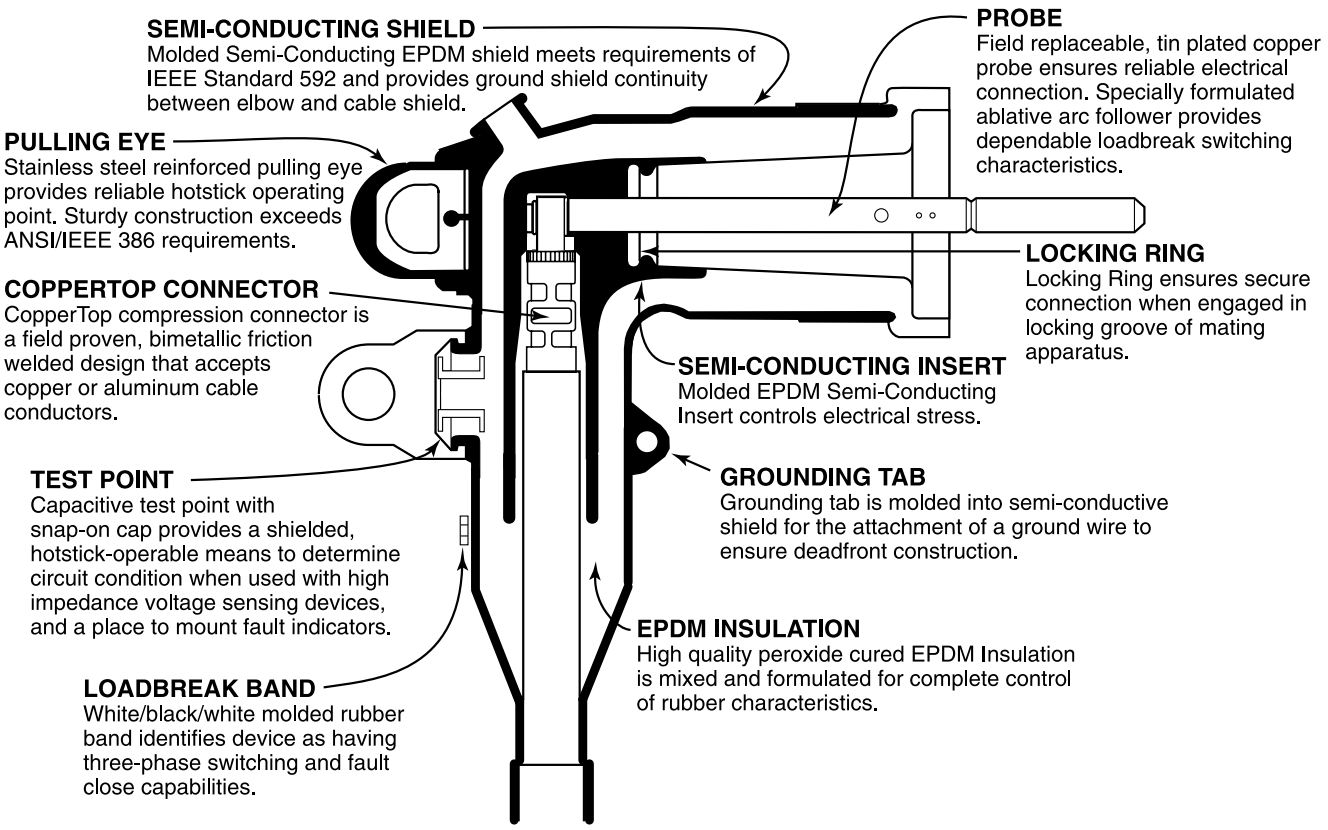
Kit Selection Table for 5, 8 and 15 kV Class

NOTE: Final Kit selection based on cable insulation diameter.

Kit No.	Insulation Diameter Range Inches (mm)	5 kV (AWG/kcmil)				8 kV (AWG/kcmil)				15 kV (AWG/kcmil)			
		100% (90 mils)		133% (115 mils)		100% (115 mils)		133% (140 mils)		100% (175 mils)		133% (220 mils)	
		Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid
5810-CA**	0.495 - 0.585 (12.6 - 14.9)	2 - 1*	1 - 1/0*	2	2 - 1	2	2 - 1*						
5810-CA-2		2	1	2*	1	2	1*						
5810-CA-1		1*	1/0*										
5810-CB**	0.575 - 0.685 (14.6 - 17.4)	1/0 - 2/0	2/0	1 - 1/0	1/0	1 - 1/0	1/0	2	2 - 1	4			
5810-CB-4										4			
5810-CB-2								2	1				
5810-CB-1				1	1/0	1	1/0						
5810-CB-1/0		1/0	2/0	1/0		1/0							
5810-CB-2/0		2/0											
5810-A**	0.630 - 0.820 (16.0 - 20.8)	3/0 - 4/0	3/0 - 250	2/0 - 3/0	2/0 - 4/0	2/0 - 3/0	2/0 - 4/0	1 - 2/0	1/0 - 3/0	2 - 1	2 - 1/0	4	2
5810-A-3											2		2
5810-A-2										2	1		
5810-A-1								1	1/0	1	1/0		
5810-A-1/0					2/0		2/0	1/0	2/0				
5810-A-2/0			3/0	2/0	3/0	2/0	3/0	2/0	3/0				
5810-A-3/0		3/0	4/0	3/0	4/0	3/0	4/0						
5810-A-4/0		4/0	250										
5810-B**	0.700 - 0.910 (17.8 - 23.1)	250		4/0 - 250	250	4/0 - 250	250	3/0 - 4/0	4/0 - 250	1/0 - 2/0	2/0 - 3/0	2 - 1	1 - 2/0
5810-B-2												2	1
5810-B-1												1	1/0
5810-B-1/0										1/0	2/0	1/0	2/0
5810-B-2/0										2/0	3/0		
5810-B-3/0								3/0	4/0				
5810-B-4/0				4/0	250	4/0	250	4/0	250				
5810-B-250		250		250		250							
5810-C**	0.850 - 1.100 (21.6 - 27.9)							250		3/0 - 250	4/0 - 250	1/0* - 4/0	3/0 - 250
5810-C-2/0												2/0	3/0
5810-C-3/0										3/0	4/0	3/0	4/0
5810-C-4/0										4/0	250	4/0	250
5810-C-250								250		250			
5810-D**	1.040 - 1.250 (26.4 - 31.8)											250	
5810-D-250												250	

Notes: *Check actual cable insulation diameter to verify correct kit selection.
**Kit without compression connector.

25 kV 200 Amp Industrial Loadbreak Elbow Features and Detailed Description



Kit Selection Table for 25 kV Class

NOTE: Final Kit selection based on cable insulation diameter.

Kit No.	Insulation Diameter Range Inches (mm)	25 kV (AWG/kcmil)			
		100% (260 mils)		133% (320 mils)	
		Stranded	Compact /Solid	Stranded	Compact /Solid
5811-B*	0.700 - 0.910 (17.8 - 23.1)	2	2-1		
5811-B-3			2		
5811-B-2		2	1		
5811-C*	0.850 - 1.100 (21.6 - 27.9)	1 - 3/0	1/0 - 4/0	2 - 1/0	2 - 1/0
5811-C-3					2
5811-C-2				2	1
5811-C-1		1	1/0	1	1/0
5811-C-1/0		1/0	2/0	1/0	
5811-C-2/0		2/0	3/0		
5811-C-3/0		3/0	4/0		
5811-D*	1.040 - 1.250 (26.4 - 31.8)	4/0 - 250	250	2/0 - 4/0	2/0 - 4/0
5811-D-1/0					2/0
5811-D-2/0				2/0	3/0
5811-D-3/0				3/0	4/0
5811-D-4/0		4/0	250	4/0	
5811-D-250		250			

**Kit without compression connector.

200 Amp Industrial Loadbreak Elbow Accessories

Industrial Insulated Protective Cap

200 Amp
15 and 25 kV Class
5810-PC-15, 5811-PC-25

99

3M™ Industrial Insulated Protective Cap is an accessory device designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak bushing interface and the drain wire is attached to ground, the Insulated Protective Cap provides a fully shielded, submersible insulating cover for energized bushings.The cap can be used for permanent or temporary installation on bushings, junctions or feed-thru devices that meet the requirements of ANSI/IEEE Standard 386.

No special tools are required for installation. A shotgun stick tool is used to place the protective cap on an exposed bushing interface. Refer to Installation Instructions for details.

Kit contents:

- Insulated Protective Cap
- Silicone Lubricant
- Installation Instruction Sheet

Loadbreak Bushing Insert Kit

Description	Kit Number
Protective Cap – 15 kV	5810-PC-15
Protective Cap – 25 kV	5811-PC-25

Industrial Loadbreak Bushing Insert

200 Amp
15 and 25 kV Class
5810-BI-15, 5811-BI-25

100

3M Industrial Loadbreak Bushing Inserts thread into a universal bushing well to provide the same function as an integral loadbreak bushing. Using bushing inserts makes field installation and replacement possible and efficient. Bushing inserts and elbow connectors comprise the essential components of all loadbreak connections. No special tools are necessary for installation.

Kit contents:

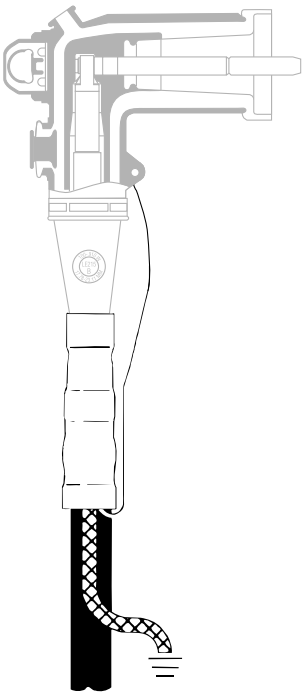
- Loadbreak Bushing Insert
- Shipping Cap (not for energized operation)
- Silicone Lubricant
- Installation Instruction Sheet

Loadbreak Bushing Insert Kit

Description	Kit Number
Loadbreak Bushing Insert – 15kV	5810-BI-15
Loadbreak Bushing Insert – 25 kV	5811-BI-25

5110-0S Series 15 - 25/28 kV Cable Accessory Oil Stops

3M™ Cold Shrink 5110-OS series kits are designed for use on PILC (Paper Insulated Lead Covered) cable with 200 Amp elbows and 600 Amp modular and disconnectable splice components that meet the requirements of IEEE Standard 386. There are four kits in the series that seal the oil inside the PILC cable, provide an accessory ground lead and environmentally seal the accessory end and cable jacket. These kits can be used on PILC cables sized #4 AWG to 1000 kcmil rated 15 kV and #2 AWG to 800 kcmil rated 25/28 kV.



Kit contents:

Each kit contains sufficient quantities of the following materials to seal and ground one cable end.

- Cold Shrink Oil Stop Tube
- Cold Shrink Jacket Tube
- White Restricting Tape
- Scotch® 130C Rubber Tape
- Scotch 13 Semi-Conducting Tape
- Ground Lead with Accessory Bleed Wire
- Mastic Seal Strips
- Instruction for 200 Amp Accessory
- Instruction for 600 Amp Accessory

5110-0S Series Selection

Kit Number	UPC (054007-)	Minimum Insulation Diameter* in. (mm)	Maximum Lead Diameter in. (mm)	Conductor Size Range	
				15 kV	25/28 kV
5110-OS	43404	0.58 (14,7)	1.10 (27,9)	#4 - 3/0 AWG	—
5111-OS	43405	0.72 (18,3)	1.30 (33,0)	4/0 AWG - 300 kcmil	#2 - 1/0 AWG
5112-OS	43406	0.92 (23,4)	1.60 (40,6)	350 - 600 kcmil	2/0 AWG - 300 kcmil
5113-OS	43407	1.10 (27,9)	2 (50,8)	750 - 1000 kcmil	350 - 800 kcmil

*Over paper.

Splices

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  - *Connectors*
    - 2000T Series Oil Stop Connectors pg. 277

3M™ splice solutions can help you reduce the time, labor and cost involved in a variety of electrical cable splicing applications. The 3M product line covers splicing needs from 0-600V to 35 kV applications. You can be assured of dependable performance, stability and long life with every splice you make.

With 3M, you can choose the right splice to fit your specific needs. 3M incorporates field proven technologies providing reliable, durable splicing products.

Cold Shrink Splices

Cold shrink splicing products are designed using 3M's unique cold shrink delivery system. Products are supplied pre-stretched on a removable core for efficiency and ease of installation. The removable core unwinds after positioning the splice, allowing the product to shrink into position and form a moisture resistant seal. The live-memory action of the specially formulated material ensures a permanent, durable environmental seal and insulation.

All 3M medium voltage (15-35 kV) QS-III kits meet the requirements of IEEE-404, and each splice is factory tested on power cable to ensure long-term reliability and quality. 3M QS-III splices can be used for direct burial applications, as well as in manholes, vaults, cable trays, and junction boxes. All 3M cold shrink products require no special tools, flame or training to install.

Molded Rubber Splices

3M molded rubber QS and QS-II kits are molded from specially formulated, peroxide cured, EPDM rubber to provide a reliable medium voltage inline splice with a life expectancy equal to the cable.

PILC Splices

3M cold shrink splice kits for Paper Insulated Lead Covered (PILC) cable use 3M patented oil stop technology. Kits install without soldering or lead wiping. 3M cold shrink PILC splices allow quick installation time without the need of open flame or heat. Single conductor splice kits rated 1000V and 15 kV allow inline splicing of PILC to PILC or PILC to Poly/EPR insulated cable. Three conductor cable splice kits rated 15 kV are designed to transition splice three conductor PILC to three single conductor poly/EPR insulated cables. All splices are jacketed and can be fully submersed. Modular splice kits are available for single conductor PILC equipment connections and tap splicing.

Resin Splices

3M resin splicing kits are used in a variety of applications where conditions require the unique properties of 3M resins. The splicing kits have a high degree of mechanical strength for physical protection of connections and provide moisture-resistant insulation in above ground or direct burial applications.

Tape Splices

When you want the versatility of tape, Scotch® cable splicing kits are the answer for almost any application, regardless of cable type or size. Scotch splicing tape is designed for extra-long shelf life, so there's less chance of being caught without the supplies you need for emergencies. Tape products are available to splice cables from 600V to 69 kV.

3M Splices Meet Worldwide Standards

- ANSI-American National Standards Institute
- JCAA-Japan Power Cable Authority
- IEEE-Institute of Electrical and Electronics Engineer
- CSA-Canadian Standards Association
- VDE-Verband Deutcher Elektrotechniker
- Cenelec-European Standard

Glossary of Splicing Terms

Splice – A splice may be considered as two or more conductors joined with a suitable connector...reinsulated, reshielded and rejacketed with compatible materials...applied over a properly prepared surface.

High Voltage Cable Types – Of the nearly limitless variety of cables in use today, seven of the most common are:

- Tape shielded
- Drain wire shielded
- BICC UniShield® Cable
- Longitudinally Corrugated (LC)
- Concentric Neutral (CN)
- Jacketed Concentric Neutral (JCN)
- PILC — Paper Insulated Lead Covered

See page 220 for illustrations.

Insulation – A third layer consisting of many different variations such as extruded solid dielectric, or laminar (oil paper or varnish cambric). Its function is to contain the voltage within the cable system. The most common solid dielectric insulations in use today are:

- cross-linked polyethylene (XLP)
- ethylene propylene rubber (EPR)

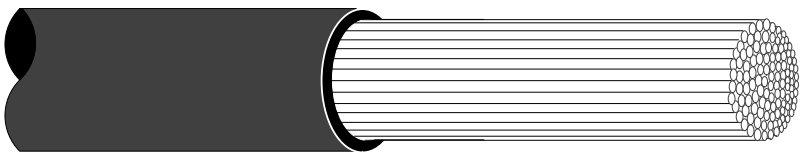
Choosing the right splices.

Questions to ask yourself before ordering a splicing product

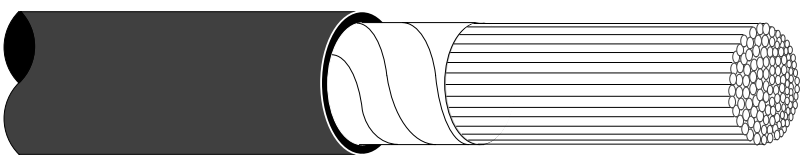
What is Voltage?	1 kV___ 5 kV___ 8 kV___ 15 kV___ 25/28 kV___ 35 kV___ other___
What is Insulation Level?	100%___ 133%___ other___
What is Conductor Size?	_____ AWG/kcmil
What type of Shielding?	(tape, drain wire, UniShield®, LC Shielded, Jacketed Concentric Neutral, other) _____ none___
What is Conductor Material?	Copper_____ Aluminum (Al/Cu)_____

Cable Types for Splicing

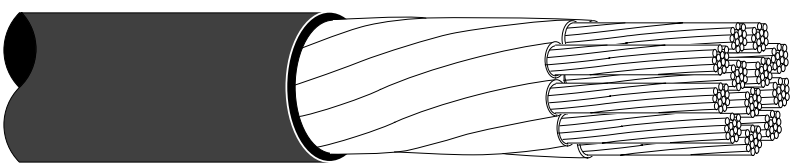
Single Conductor Cable



Multiple Conductor Unshielded Signal & Control Cable

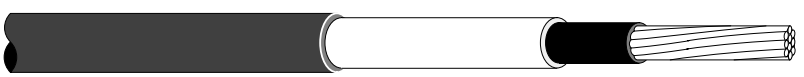


Multiple Conductor Shielded Signal & Control Cable



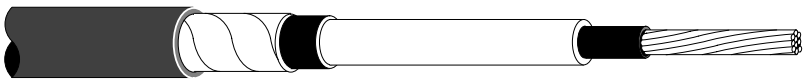
Multiple Conductor, to 1000 Volt, Cable

Nonshielded (Dry) Cable



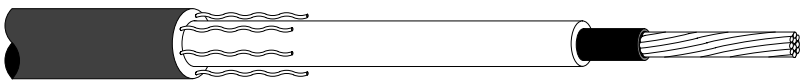
Nonshielded (Wet or Dry) Cable

Cable Types for Splicing

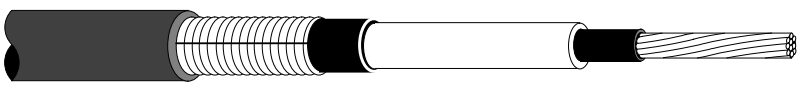


Tape Shielded Cable

Wire Shielded Cable



UniShield® Cable

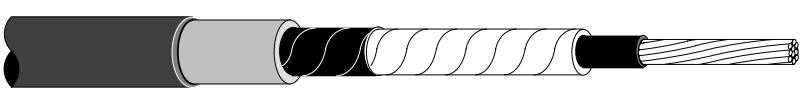


Longitudinally Corrugated (LC) Shielded Cable

EP-Lead or XLP-Lead Cable

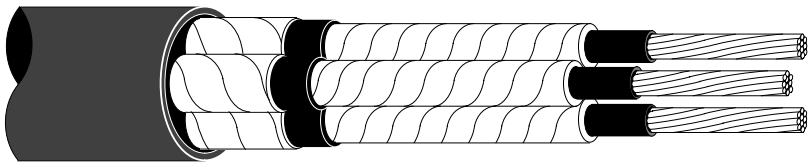
Concentric Neutral (CN) Cable

Jacketed Concentric Neutral (JCN) Cable

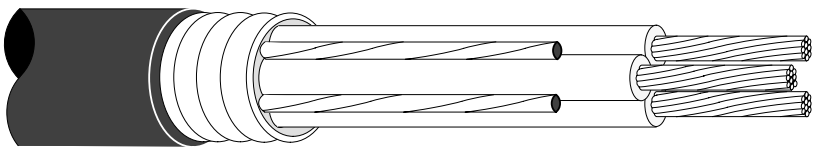


Paper Insulated Lead Covered (PILC) Cable

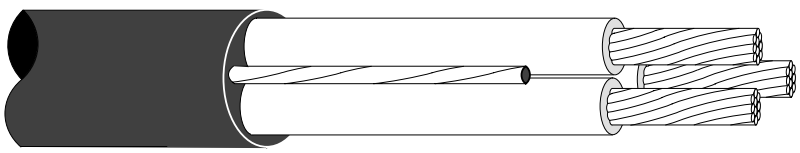
Cable Types for Splicing



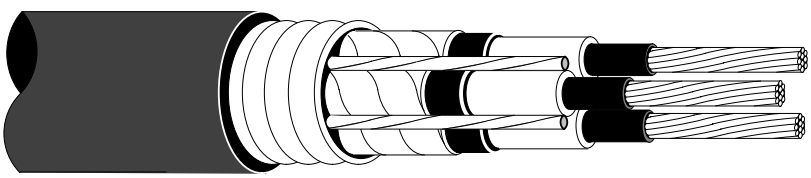
Three-Conductor Paper Insulated Lead Covered (PILC) Cable



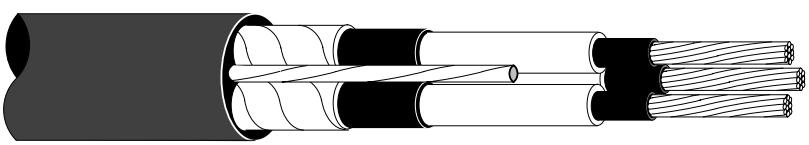
Three-Conductor Armored, Nonshielded Cable



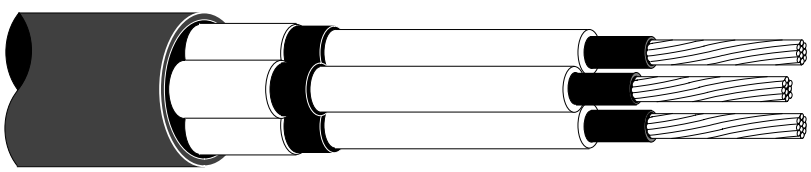
Three-Conductor Non-Armored, Nonshielded Cable



Three-Conductor Armored, Shielded Cable



Three-Conductor Non-Armored, Shielded Cable

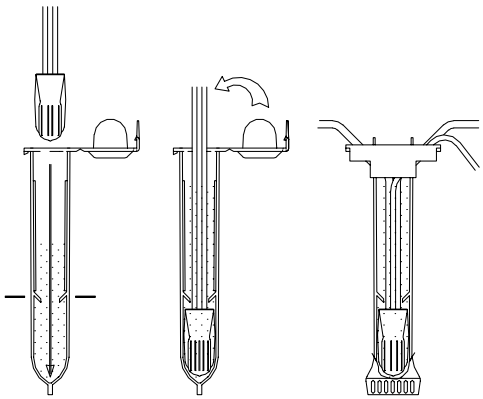


Three-Conductor Portable Cable Type SHD-GC

Low Voltage Splices 30-600V
DBR and DBY Series

3M™ Direct Bury Products

These 3M underground electrical wire connectors splice and effectively moisture-seal two or more conductors for remote-control circuits in irrigation and landscape lighting systems. **DBY-6 and DBR-6 are UL Listed and CSA Certified for 600V direct bury and submersion applications. UL File No. E102356 and CSA File No. LR91920.** Each kit makes two splices.



3M™ Direct Bury Splice Kit

Specification Information for 3M Direct Bury Products

Product Number	Description and Kit Contents	Wire Range (AWG)	Volts	Temperature Range	UL File No. E102356 and CSA File No. LR91920
DBR	(2) Tubes (2) Scotchlok™ R Connectors	5#16 thru 3#10 (5,0 thru 16,0 mm²)	30	32° - 120°F (0° - 49°C)	N/A
DBR-6	(2) Tubes (2) Scotchlok R Connectors	5#16 thru 3#10 (5,0 thru 16,0 mm²)	600	32° - 120°F (0° - 49°C)	CE UL CSA
DBY	(2) Tubes (2) Scotchlok Y Connectors	2 - 5#18 thru 2#12 (2,0 thru 7,5 mm²)	30	32° - 120°F (0° - 49°C)	N/A
DBY-6	(2) Tubes (2) Scotchlok Y Connectors	2 - 5#18 thru 2#12 (2,0 thru 7,5 mm²)	600	32° - 120°F (0° - 49°C)	CE UL CSA
3570	Connector sealing pack containing 3M Scotchcast™ 400 epoxy resin	Accommodates 3M O/B+, R/Y+, Scotchlok Y, R, G, B and 3M 212, 312, 512	30	N/A	N/A

3M DBR and DBY Selection

Product Number	UPC (054007-)	Inner Unit Pack	Case Qty.
DBR	09964 49696	Kit- 2 Tubes and 2 Scotchlok R Connectors 100 tubes and 100 connectors	25 kits 100 each
DBR-6	69756 49697	Kit- 2 Tubes and 2 Scotchlok R Connectors 100 tubes and 100 connectors	25 kits 100 each
DBY	09053 49698	Kit- 2 Tubes and 2 Scotchlok Y Connectors 100 tubes and 100 connectors	25 kits 100 each
DBY-6	69757 49699	Kit- 2 Tubes and 2 Scotchlok Y Connectors 100 tubes and 100 connectors	25 kits 100 each
3570	11984	10/box	100 each

Low Voltage Splices 0-600V (1000V rated)
Cold Shrink Splices (0-1000V)

3M™ 8420 and 8430 Series Splice Kits

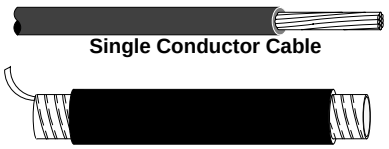
Cold shrink splicing products are designed using 3M's unique cold shrink delivery system. Products are supplied prestretched on a removable core for efficiency and ease of installation. Removal of the core (unwind) after positioning the splice allows the product to shrink into position forming a moisture-tight seal. The live memory action of the specially formulated material ensures a permanent, durable environmental seal and insulation.

The 8420 **meets requirements of ANSI C119-1 and Western Underground Guide 2.14 for secondary splices rated up to 1 kV.**

Cold Shrink 8426-9 Splice 102

Cold Shrink 8440 Series Silicone Insulators

Cold shrink 8440 series silicone insulators are insulating sleeves made from a specially formulated high-temperature silicone rubber with an operating temperature range from -67°F (-55°C) to 500°F (260°C).



3M 8420 and 8430 Series Selection (0-1000V)

Product Series	UPC (054007-)	Typical Conductor Size	Minimum Cable Diameter for Seal	Maximum** Diameter Insulator Covers	Maximum Connector Length	Relaxed Tube Length	Inner Unit Pack	Case Qty.
Single Conductor Cable See above for cable type illustration.								
8423-6	42146	6 - 4 AWG (14 - 16 mm²)	0.31" (7,8 mm)	0.56" (4,3 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8424-8*	42390	10 - 1/0 AWG (6 - 16 mm²)	0.10" (2,5 mm)	0.82" (20,9 mm)	3" (76 mm)	8" (203 mm)	1/bag	10
8425-8	42391	2 - 1/0 AWG (35 - 50 mm²)	0.40" (10,1 mm)	0.82" (20,9 mm)	3" (76 mm)	8" (203 mm)	1/bag	10
8426-9	34457	2/0 AWG - 250 kcmil (70 - 125 mm²)	0.55" (13,9 mm)	1.18" (30,1 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8426-9M***	43436	2 - 4/0 AWG (30 - 90 mm²)	0.40" (10,1 mm)	1.18" (30,1 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8426-11	34458	2/0 AWG - 250 kcmil (70 - 125 mm²)	0.55" (13,9 mm)	1.18" (30,1 mm)	7" (178 mm)	11" (279 mm)	1/bag	10
8427-6†	09915	—	0.69" (17,5 mm)	1.38" (35,1 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8427-12	34459	250 - 400 kcmil (125 - 200 mm²)	0.69" (17,5 mm)	1.38" (35,1 mm)	8" (203 mm)	12" (305 mm)	1/bag	10
8427-16	34460	250 - 400 kcmil (125 - 200 mm²)	0.69" (17,5 mm)	1.38" (35,1 mm)	12" (305 mm)	16" (406 mm)	1/bag	10
8428-6†	09916	—	0.95" (24,1 mm)	1.94" (49,2 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8428-12	09056	500 - 800 kcmil (300 - 400 mm²)	0.95" (24,1 mm)	1.94" (49,2 mm)	8" (203 mm)	12" (305 mm)	1/bag	10
8428-18	34461	500 - 800 kcmil (300 - 400 mm²)	0.95" (24,1 mm)	1.94" (49,2 mm)	14" (356 mm)	18" (457 mm)	1/bag	10
8429-6†	09917	—	1.27" (32,2 mm)	2.67" (67,8 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8429-9	09931	900-1000 kcmil (500 mm²)	1.27" (32,2 mm)	2.67" (67,8 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8429-12	42389	900-1000 kcmil (500 mm²)	1.27" (32,2 mm)	2.67" (67,8 mm)	8" (203 mm)	12" (305 mm)	1/bag	10
8429-15	44198	900-1000 kcmil (500 mm²)	1.27" (32,2 mm)	2.67" (67,8 mm)	11" (279 mm)	15" (381 mm)	1/bag	10
8429-18	34462	900-1000 kcmil (500 mm²)	1.27" (32,2 mm)	2.67" (67,8 mm)	14" (356 mm)	18" (457 mm)	1/bag	10
8430-9	42147	1250 - 2000 kcmil	1.68" (42,6 mm)	3.69" (93,7 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8430-18	42388	1250 - 2000 kcmil	1.68" (42,6 mm)	3.69" (93,7 mm)	14" (356 mm)	18" (457 mm)	1/bag	10

*Kit contains adapters.
**Cable or connector diameter.
***Mastic pads included for cable O.D. build-up.
† These sizes are listed for availability only and are not designed to be used as primary insulation. These tubes are for conduit sealing and breakouts.
Important: Use insulation jacket or connector O.D. for final ordering criteria.
Note: Additional sizes are available, consult your 3M sales representative.

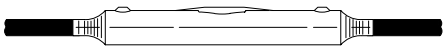
3M™ 8440 Series Selection (0-1000V)

Product Series	UPC (054007-)	Conductor Size	Minimum Cable Diameter for Seal	Maximum** Diameter Insulator Covers	Relaxed Tube Length	Inner Unit Pack	Case Qty.
Single Conductor Cable See page 238 for cable type illustration.							
8443-2	09485	6 - 2 AWG (14 - 30 mm^2)	0.27" (7 mm)	0.56" (14 mm)	2" (51 mm)	1/bag	12
8443-6.5	09482	6 - 2 AWG (14 - 30 mm^2)	0.27" (7 mm)	0.56" (14 mm)	6.5" (165 mm)	1/bag	12
8445-2.5	09486	2 - 1/0 AWG (35 - 50 mm^2)	0.35" (9 mm)	0.72" (18 mm)	2.5" (64 mm)	1/bag	12
8445-7.5	09483	2 - 1/0 AWG (35 - 50 mm^2)	0.35" (9 mm)	0.72" (18 mm)	7.5" (191 mm)	1/bag	12
8447-3.2	09487	1/0 - 3/0 AWG (60 - 80 mm^2)	0.48" (12 mm)	0.95" (24 mm)	3.2" (81 mm)	1/bag	12
8447-8	09484	1/0 - 3/0 AWG (60 - 80 mm^2)	0.48" (12 mm)	0.95" (24 mm)	8" (203 mm)	1/bag	12

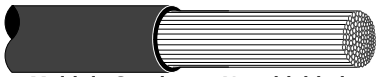
**Cable or connector diameter.
Note: Additional sizes are available, consult your 3M sales representative.

Resin Splices 0-600V (1000V rated)

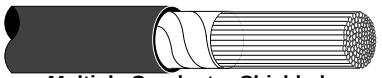
Scotchcast™ 72-N Series Inline Splice Kits



Scotchcast 72-N series kits splice shielded or nonshielded plastic - and rubber-jacketed, signal and control (or power) cables rated up to 1 kV. **Connectors are not included, order separately.** See page 129 in the "Lugs & Connectors" section for connector ordering information. Each kit makes one splice.



Multiple Conductor Nonshielded Signal & Control Cable



Multiple Conductor Shielded Signal & Control Cable

Scotchcast 72-N Series Selection

Product Series	UPC (054007-)	Molded Body Length	Cable O.D. Range	Inner Pack	Case Qty.
Multiple Conductor Nonshielded Signal & Control Cable, Multiple Conductor Shielded Signal & Control Cable See above for cable type illustrations.					
72-N1*	10623	7-1/8" (18,1 cm)	0.25 - 0.625" (6 - 16 mm)	1	10
72-N2	10625	10-7/16" (26,8 cm)	0.500 - 1.00" (13 - 25 mm)	1	10
72-N3	10627	15-7/16" (39,2 cm)	0.625 - 1.50" (16 - 38 mm)	1	10
72-N4	10629	15-5/8" (39,7 cm)	1.00 - 2.00" (25 - 51 mm)	—	1
72-N5	10631	20-5/16" (51,6 cm)	1.25 - 2.25" (32 - 57 mm)	—	1
72-N6	10633	25" (63,5 cm)	1.25 - 3.25" (32 - 83 mm)	—	1

* Nonshielded cable only.

Scotchcast 72-N Series Selection

Scotchlok™ Insulated Butt Connectors

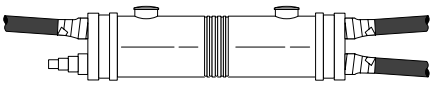
	MV18BC 22-18 AWG				MV14BC 16-14 AWG				MV10BC 12-10 AWG			
	Shielded Cables**		Unshielded Cables**		Shielded Cables**		Unshielded Cables**		Shielded Cables**		Unshielded Cables**	
Kit No.	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs
72-N1*	—	—	6	3	—	—	4	2	—	—	3	—
72-N2	18	9	32	16	12	6	19	9	8	4	13	6
72-N3	42	21	75	37	24	12	45	22	14	7	27	13
72-N4	74	37	160	80	50	25	90	45	40	20	60	30
72-N5	140	70	200	100	120	60	160	80	100	50	100	50
72-N6	360	180	400	200	220	110	250	125	180	90	200	100

*Nonshielded cable only.
**Figures based on IMSA cable specifications.

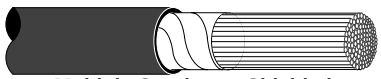
Resin Splices 0-600V (1000V rated)

Scotchcast™ 78-R Series Reenterable Inline and Tap Splice Kits

Scotchcast 78-R series kits make inline or tap splices on shielded or nonshielded, plastic- and rubber-jacketed, signal and control (or power) cable rated up to 1 kV. Connectors are not included, order separately. See page 129 in the "Lugs & Connectors" section for ordering information. Each kit makes one splice.



Multiple Conductor Nonshielded Signal & Control Cable



Multiple Conductor Shielded Signal & Control Cable

Scotchcast 78-R Series Selection

Product Series	UPC (054007-)	Kit Size I.D. x L	Cable O.D. Range Run	Cable O.D. Range Tap	Case Qty.
Multiple Conductor Nonshielded Signal & Control Cable, Multiple Conductor Shielded Signal & Control Cable See above for cable type illustrations.					
78-R1	02411	2 x 12" (5,1 x 30,5 cm)	0.25 - 1.00" (6 - 25 mm)	0.25 - 1.00" (6 - 25 mm)	1
78-R2	02412	2 x 24" (5,1 x 61,0 cm)	0.25 - 1.00" (6 - 25 mm)	0.25 - 1.00" (6 - 25 mm)	1
78-R3	02413	3 x 24" (7,6 x 61,0 cm)	0.50 - 1.50" (13 - 38 mm)	0.50 - 1.00" (13 - 25mm)	1
78-R4	02414	4 x 24" (10,2 x 61,0 cm)	0.50 - 2.00" (13 - 51 mm)	0.50 - 1.75" (13 - 44 mm)	1
78-R5	02417	5 x 26" (12,7 x 66,0 cm)	1.00 - 2.50" (25 - 64 mm)	1.00 - 2.50" (25 - 64 mm)	1

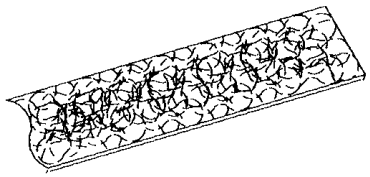
Scotchcast 78-R Series Connector Selection

	Scotchlok™ Connectors																	
	Insulated Butt Connectors						Pigtail Connectors						Tap Connectors					
	MV18BC 22-18 AWG		MV14BC 16-14 AWG		MV10BC 12-10 AWG		"Y" 18-12 AWG		"R" 14-10 AWG		557 22-18 AWG		558 22-18 AWG		560 18-14 AWG		562 12-10 AWG	
Kit No.	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs	No. Cond.	No. Pairs
78-R1	40	20	26	13	16	8	8	4	5	2	15	7	10	5	8	4	6	3
78-R2	66	33	45	22	26	13	20	10	10	5	30	15	20	10	16	8	12	6
78-R3	160	80	110	55	70	35	50	25	28	14	80	40	50	25	40	20	36	18
78-R4	300	150	180	90	110	55	84	42	60	30	142	71	100	50	80	40	68	34
78-R5	550	275	320	160	200	100	174	87	120	60	260	130	200	100	160	80	130	65

Note: Above figures based on IMSA cable specifications.

Scotchcast 7820 Spacer Web

Scotchcast spacer web is for use with the 78-R series splice kits after re-entry. It is a loosely woven polyester that keeps the splice bundle away from the mold body wall, providing even compound distribution around the splice.



Scotchcast 7820 Spacer Web Selection

Product Series	UPC (054007-)	Size/Roll	Case Qty.
7820	02415	Two 3" x 20' rolls/box (76 mm x 6,1 m)	1

Resin Splices 0-600V (1000V rated)

Scotchcast™ 85-14CP Multi-Mold Resin Splice Kit

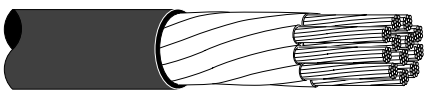
The Scotchcast 85-14CP multi-mold resin splicing kit is rated for cables up to 1 kV to insulate odd-shaped and odd-sized splices. The 85-14CP is specifically designed for use in cathodic protection with a rigid epoxy resin, 3M™ Scotchcast 4. Each kit makes one splice.

Single Conductor Cable

Scotchcast 85 Series Multi-Mold Resin Splice Kits

Scotchcast 85 series multi-mold kits are used to electrically insulate odd-sized and odd-shaped splices on cables rated through 1 kV. These flexible plastic molds are easily formed around splices. Within 30 minutes after the resin has been poured, the splice is ready for service – above ground or buried. Each kit makes one splice.

Single Conductor Cable



Multiple Conductor, to 1000 Volt, Cable

Scotchcast 85 Series Selection

Product Series	UPC (054007-)	Maximum Conductor Size Split Bolt	Compression, H or C tap	Inner Pack	Case Qty.
Single Conductor Cable See above for cable type illustrations.					
85-14CP	31927	2/0 AWG stranded	4/0 AWG stranded	1/box	10
Single Conductor Cable, Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.					
85-10	11846	8 AWG stranded	4 AWG stranded	1/box	10
85-12	11847	1 AWG stranded	2/0 AWG stranded	1/box	10
85-14	11848	2/0 AWG stranded	4/0 AWG stranded	1/box	10
85-16	02403	750 kcmil stranded* 250 kcmil (run) 2/0 AWG stranded (tap)	500 kcmil (run) 4/0 AWG stranded (tap)	1/box	10

*Inline compression connector.

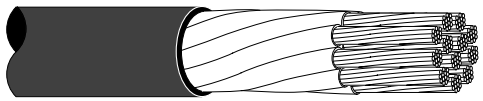
Resin Splices 0-600V (1000V rated)

Scotchcast™ 90-B1 Wye Resin Splice Kit

103

3M™ Scotchcast 90-B1 kit insulates and moisture-seals wye splices made with the split-bolt type connectors on cables rated through 1 kV. Each kit makes one splice.

Single Conductor Cable



Multiple Conductor, to 1000 Volt, Cable

Scotchcast 90-B1 Selection

Product Series	UPC (054007-)	Cable O.D. Range Run	Cable O.D. Range Tap	Maximum Connector Split Bolt	Maximum Connector Crimped	Inner Pack	Case Qty.
Single Conductor Cable, Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.							
90-B1	25115	0.500 - 0.812" (13 - 21 mm)	0.375" max. (10 mm)	1/0 AWG	2/0 AWG	1/box	10

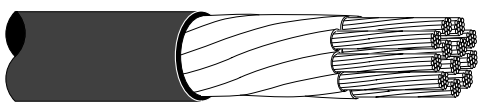
Scotchcast 82-BF1 Flexible Power Cable Tap Splice Kit

104

3M Scotchcast 82-BF1 is for use on unshielded portable power cables and cords. 82-BF1 can be used on single conductor or multiple conductor cables using a compression "C" tap connector.

3M 82-BF1 molds are removable and reusable. The 82-BF1 is a permanent splice as assigned by the Mine Safety and Health Administration (P-142-5 MSHA). Connectors are not included, order separately. See page 121 in the "Lugs & Connectors" section for ordering information. Each kit makes one splice.

Single Conductor Cable



Multiple Conductor, to 1000 Volt, Cable

Scotchcast 82-BF1 Tap Splice Kit Selection

Product Series	UPC (054007-)	Conductor Size	Cable O.D. Range	Inner Pack	Case Qty.
Single Conductor Cable, Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.					
82-BF1	08309	Up to 1/0 AWG (50 mm^2)	0.25 - 0.80" (6,4 - 20,3 mm)	1/box	10

Resin

Scotchcast™ 4 Electrical Insulating Resin

105

This Scotchcast resin is a two-part epoxy insulating and encapsulating resin packaged in three sizes. Use 3M Scotchcast 4 Resin to splice solid dielectric and oil-filled cables up to 8 kV. Flash point: 300°F (149°C) or higher.

Scotchcast 2104 Electrical Insulating and Sealing Compound

106

3M™ Scotchcast 2104 compound in a Unipak container is a two-part, low-viscosity polyurethane for permanent splice protection. This resin is included in the multi-mold splicing kits.

Scotchcast 2112 Reenterable Electrical Insulating Resin

107

Shield electrical connections from water damage with Scotchcast 2112 Reenterable Electrical Insulating and Sealing Compound, the most effective moisture protection available. Unique mix-in-the-bag preparation of this polyurethane resin makes the resin easy to prepare and apply. The visible, reenterable moisture seal is a reliable barrier against the constant exposure to water in certain applications. Often used for potting flush mounted junction boxes.

Scotchcast 2130 Flame Retardant Compound

108

3M Scotchcast 2130 is a flexible, permanent, urethane resin used for jacket repair or splicing portable cables. It is flame retardant and has MSHA approval number P-142-5.

Scotchcast 2135 Wet-Niche Potting

109

Scotchcast 2135 wet-niche potting compound is the first "listed" product that meets NEC requirements to allow the use of rigid nonmetallic conduit in the installation of wet-niche underwater lighting fixtures. 2135 provides protection against corrosion and possible deteriorating effects of pool water by reliably encapsulating the 8 AWG ground connection in a wet-niche shell. The wet-niche forming shell is a corrosion-resistant metal housing for underwater fixtures in permanently installed pools. **Article 680-20(b)(1) National Electrical Code. UL Listed 2L02.**

Scotchcast 2135 potting compound is package in an easy-mix 1.8-oz. Unipak container. This thixotropic resin will not sag or drip. The encapsulated connection gels in minutes and can be submerged within four hours. Each kit contains enough material to complete one fixture.

Specifications and Ordering Information for Scotchcast™ Resins

Product Number	UPC (054007-)	Size/Type of Package	Inner Unit Pack	Case Qty.
Scotchcast 4 Electrical Insulating Resin				
4	43165	A/3.2 oz. (90 g), 4.8 cu. in. (78,6 cu. cm)	1/box	10 each
4	43166	B/7.4 oz. (209 g), 11.2 cu. in. (183,5 cu. cm)	1/box	10 each
4	43167	C/14.7 oz. (418 g), 22.3 cu. in. (365,4 cu. cm)	1/box	10 each
4	04206	D/22.2 oz. (630 g), 33.6 cu. in. (550,6 cu. cm)	1/box	10 each
4	04207	E/10.4 oz. (294 g), 15.7 cu. in. (257,2 cu. cm)	1/box	10 each
Scotchcast 2104 Electrical Insulating and Sealing Compound				
2104	31189	A/3.46 oz. (98 g), 5.7 cu. in. (93,4 cu. cm)	1/box	10 each
2104	31382	B/7.4 oz. (210 g), 12.6 cu. in. (206,4 cu. cm)	1/box	10 each
2104	31383	C/14.82 oz. (420 g), 25.4 cu. in. (416,2 cu. cm)	1/box	10 each
2104	11849	D/23.8 oz. (675 g), 40.8 cu. in. (668,5 cu. cm)	1/box	10 each
Scotchcast 2112 Reenterable Electrical Insulating Compound				
2112	42049	C/12.3 oz. (350 g), 23.7 cu. in. (338,3 cu. cm)	1/box	10 each
2112	42050	D/21.2 oz. (600 g), 40.6 cu. in. (665,3 cu. cm)	1/box	10 each
Scotchcast 2130 Flame Retardant Compound				
2130	31401	B/7.6 oz. (216 g), 10.7 cu. in. (175,3 cu. cm)	1/box	10 each
2130	31402	C/21.7 oz. (616 g), 30.5 cu. in. (499,8 cu. cm)	1/box	10 each
2130 Part A	50237	A/5 gal. (18,93 L)		45
2130 Part B	50238	B/5 gal. (18,93 L)		54
2135 Wet-Niche Potting				
2135	69798	F/1.83 oz. (52,5 g), 3.3 cu. in. (54,0 cu. cm)	1/box	10 each
2135M Cable Repair Compound				
2135M	50433	F/1.83 oz. (52,5 g),3.3 cu. in. (54,0 cu. cm)	1/bag	10 each

Heat Shrink Splices 0-600V

UF Splice Kit

136

3M™ UF Splice Kit is designed to provide a reliable, moisture proof electrical connection for Type U.F.-B underground feeder cable rated for 600 volts ranging from #14/3 without ground wire up to #8/3 with ground wire.

The UF Splice Kit consists of a connector-insulation assembly and a heat shrink tube. The connector assembly contains four cylindrical set screw connectors separated by a piece of vinyl insulation. The heat shrink tube is a heavy-wall, adhesive-lined tube.

Underground Feeder (UF)-B cables are flat, and typically have three solid conductors without ground or two solid conductors with a ground. They range in size from 8 AWG to 14 AWG. The most common UF cable size is 10-14 AWG.

The 3M UF Splice Kit is offered in two versions: UF1 Standard Kit includes a 1.8" length terminal connector and an 8" length of heavy-wall, adhesive-lined heat shrink tube. UF2 Stretcher Kit has an 11.7" terminal connector and a 20" length of heavy-wall, adhesive-lined heat shrink tube.

The Standard Kit is used in most of the applications. The Stretcher Kit is used in situations where a 7-10" section of the cable has been damaged or destroyed. It eliminates two connectors and a short piece of cable during repair.

Ordering Information for 3M UF Splice Kits

Product Number	UPC (054007-)	Description	Inner Unit Pack	Case Qty.
UF1	42920	UF Splice Kit-Standard 1.8" connector/ 8" heat shrink tube	One kit/ peggable blister pack	6 kits/cs.
UF2	42921	UF Splice Kit-Stretcher 11.7" connector/ 20" heat shrink tube	One kit/ peggable printed bag	6 kits/cs.

3M IAL-3 Airport Lighting Connector Sealing Kit

3M IAL-3 Airport Lighting Connector Sealing Kit is designed especially to meet the high demands on airport lighting connections. It meets specifications for sealing FAA Specification L-823 connectors. Each kit includes a 16-inch heat shrinkable sleeve, cleaning pad and instructions.

Specification and Ordering Information for 3M IAL-3 Airport Lighting Connector Sealing Kit

Product Number	UPC (054007-)	Expanded/ Recovered I.D.	Inner Unit Pack	Case Qty.
IAL-3	08862	1.38/0.38" (34/10 mm)	1/bag	30

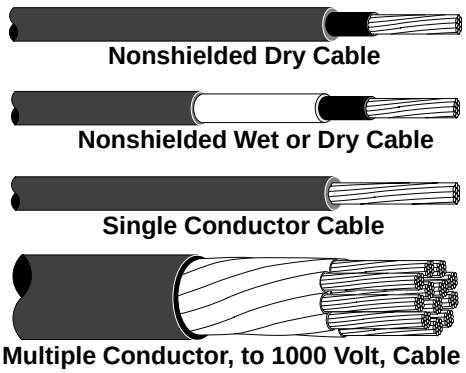
1 kV to 5/8 kV Splices

1/C, 1-5 kV, Non-Shielded Resin Splices

Scotchcast™ 82-A Series Inline Resin Splice Kits

110

Use the Scotchcast 82-A series kits to insulate and seal single conductor, unshielded cable splices through 5 kV and multiple conductor cables through 1 kV. The 82-A series is UL Listed 486D, File Number E102356. Connector is not included, order separately. Each kit makes one splice.



Scotchcast 82-A Series Selection

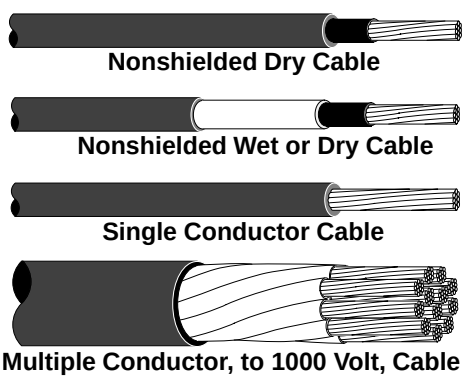
Product Series	UPC (054007-)	Maximum Cable O.D.	Maximum Connector O.D.	Conductor Size*	Inner Pack	Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable, Single Conductor Cable , Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.						
82-A	25016	0.750" (19 mm)	0.406" (10 mm)	10 - 2 AWG (6 - 30 mm^2)	1/box	10
82-A1	25024	0.625" (16 mm)	0.406" (10 mm)	Up to 2 AWG (30 mm^2)	1/box	10
82-A2	25032	1.000" (25 mm)	0.625" (16 mm)	2 - 3/0 AWG (35 - 80 mm^2)	1/box	10
82-A3	25040	1.563" (40 mm)	1.000" (25 mm)	3/0 - 400 kcmil** (95 - 200 mm^2)	1/box	10

* **Important:** Use insulation jacket or connector O.D. for final ordering criteria.
** 500 kcmil when using a Scotchlok 10014 copper compression connector.

Scotchcast 82-B1 Wye Resin Splice Kit

111

Scotchcast 82-B1 kit insulates and seals wye splices for compression tap connectors (e.g., C-tap or H-tap) rated for cables up to 5 kV. Use on nonshielded cables through 5 kV and on multiple conductor cables through 1 kV. Each kit makes one splice.

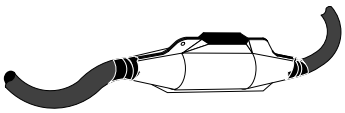


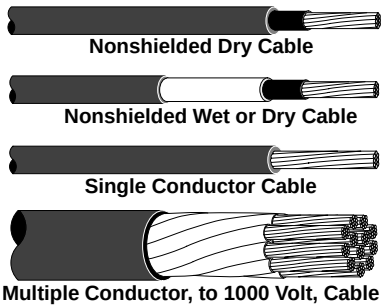
Scotchcast 82-B1 Selection

Product Series	UPC (054007-)	Voltage Rating	Maximum Connector Split Bolt	Maximum Connector Crimped	Cable O.D.	Inner Pack	Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable, Single Conductor Cable , Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.							
82-B1	25057	5 kV Single Conductor 1 kV Multiple Conductor	4 AWG	2 AWG	0.250 - 0.625" (6 - 16 mm)	1/box	10

1/C, 1-5 kV, Non-Shielded Resin Splices

Scotchcast™ 82-F1 and 82-F2 Inline Splice Kits for Flexible Power Cable





Scotchcast 82-F1 and 82-F2 kits are for use on unshielded, portable power cables. The kits are rated up to 5 kV for single conductor and up to 1 kV for multiple conductors. The kits are designed to be used with inline compression connectors.

The 82-F series kits are permanent splices as assigned by the Mine Safety and Health Administration (P-142-5 MSHA).

Connectors are not included, order separately.

Scotchcast 82-F1 and 82-F2 Inline Selection

Product Series	UPC (054007-)	Cable O.D. Range	Voltage Rating	Conductor Size	Number of Conductors	Maximum Connector O.D.	Inner Pack	Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable, Single Conductor Cable , Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.								
82-F1	08307	0.25 - 0.80" (6 - 20 mm)	5 kV 1 kV (600/2000)*	6 - 1/0 AWG** (16 - 50 mm²)	1 multi	0.62" (18 mm) 0.90" (23 mm)	1/box	10
82-F2	08308	0.80 - 1.20" (20 - 30 mm)	5 kV 1 kV (600/2000)*	2/0 - 4/0 AWG** (70 - 95 mm²)	1 multi	0.82" (21 mm) 1.30" (33 mm)	1/box	10

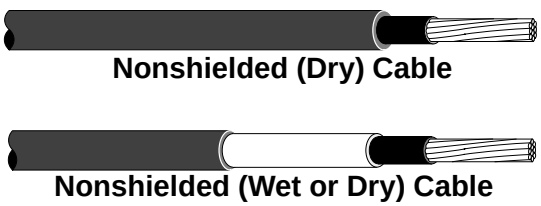
* Mine portable cable rating
**Base selection on cable O.D. range.

1/C, 5/8 kV, Non-Shielded Cold Shrink Splices

3M™ 5740 Series 5/8 kV Inline Splice Kits

112

3M 5740 series are used for single conductor, non-shielded 5/8 kV cables. Each kit is a cold shrink design and contains enough material to insulate three (3) splices.



3M Cold Shrink 5740 Series Selection

Product Series	UPC (054007-)	Conductor Size Copper	Conductor Size Aluminum	Maximum Connector Length (Copper or Aluminum)	Typical Splice Length	Cable Insulation/Jacket O.D. Range	Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable See above for cable type illustrations.							
5741	49491	8 - 4 AWG* (10 - 25 mm²)		2.5" (64 mm)	10" (254 mm)	0.38 - 0.70" (9,7 - 17,8 mm)	1
5742	49492	2 AWG - 300 kcmil* (35 - 150 mm²)		4.5" (108 mm)	12" (305 mm)	0.63 - 1.20" (16,0 - 30,5 mm)	1
5743	49493	350 - 1000 kcmil (185 - 500 mm²)	350 - 750 kcmil (185 - 400 mm²)	6.25" (159 mm)	15" (381 mm)	0.90 - 2.10" (22,9 - 53,3 mm)	1

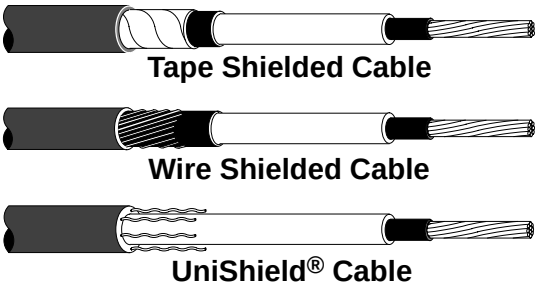
Note: Be sure to order the correct size connector to complete the splice, see pages 254 - 256.

1/C, 5/8 kV, Shielded - Tape, Wire, and UniShield® Cold Shrink Splices

3M™ 5550 Series Splice Kits

113

3M Cold Shrink 5550 Series Rubber Splice Kits are for splicing 5 kV and 8 kV shielded, solid dielectric, power cables. Each kit contains all the materials (except connectors and optional ground strap) required to construct three (3) single conductor splices on Tape Shield, Wire Shield or UniShield® cables. Note: The kit can also be used to splice a shielded to a nonshielded 5-8 kV cable. Each kit makes three splices.



3M Cold Shrink 5550 Series Selection

Product Series	UPC (054007-)	Conductor Size Copper	Conductor Size Aluminum	Maximum Connector Length Copper	Maximum Connector Length Aluminum	Typical Splice Length	Case Qty.
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable See above for cable type illustrations.							
5551	09089	6 - 4/0 AWG (14 - 100 mm²)	6 - 3/0 AWG (14 - 80 mm²)	3.3" (84 mm)	2.7" (69 mm)	19" (483 mm)	1
5552	09090	4/0 AWG - 500 kcmil (120 - 250 mm²)	4/0 AWG - 400 kcmil (120 - 200 mm²)	4.3" (109 mm)	3.7" (94 mm)	21" (533 mm)	1
5553	09091	500 - 1000 kcmil (300 - 500 mm²)	500 - 1000 kcmil (300 - 500 mm²)	6.3" (160 mm)	5.3" (135 mm)	23" (584 mm)	1

3/C, 600V and 1 kV, Non-Shielded Cold Shrink Splices

3M™ 5730 Series Splices for Three-Conductor Armor Power Cable (Teck 90)

114

3M Low Voltage Cold Shrink Splicing Kits are applicable for indoor and outdoor installations, including direct burial, aerial and submersible applications. The 5730 series accommodates a full range of cable sizes from 14 AWG-750 kcmil. The overall jacket diameter ranges from 0.62 to 4.0" (16 to 102 mm).

5730-5731 Low Voltage Inline Splice Kits

For use with 3/C or 4/C Armor Power Cable CSA Certified for 600V or less.

5732-5735 Low Voltage Inline Splice Kits

For use with 3/C Armor Power Cable (Teck 90) up to 1000V.

3M 5730-5731 Cold Shrink Series Selection

Kit Number	Cable Sizes (AWG)	Overall Jacket Diameter	Amount of Armorcast Required*
5730	14 – 10	0.62 – 1.0" (16 – 25 mm)	1 roll
5731	8 – 4	0.95 – 1.4" (24 – 36 mm)	1 roll

Note: Connectors are not included in the kit. Use only CSA Certified compression connectors. Vinyl or nylon butt connectors are preferable.
*Amount of Armorcast needed based on two half lapped layers.
Order the 15 ft. rolls.

3M 5732-5735 Cold Shrink Series Selection

Kit Number	Cable Sizes (AWG or kcmil)	Overall Jacket Diameter	Amount of Armorcast Required*
5732	2 - 1/0	0.95 – 2.4" (24 – 61 mm)	1 roll
5733	2/0 - 250	1.15 – 3.3" (29 – 84 mm)	2 rolls
5734	250 - 500	1.55 – 4.0" (39 – 102 mm)	2 rolls
5735	500 - 750	1.55 – 4.0" (39 – 102 mm)	3 rolls

Note: Connectors are not included in the kit. Use only CSA Certified compression connectors.
*Amount of Armorcast needed based on two half lapped layers.
Order the 15 ft. rolls.

3M 4560 Armorcast™ Material

The 4560 Armorcast products create maintenance free mechanical protection for power cable splices. 3M Armorcast structural material is a flexible fiberglass knit fabric strip that has been saturated with black urethane resin syrup. It is rolled and packed dry in a sealed foil envelope.

3M 4560 Armorcast Structural Material Selection

Product Number	UPC (051138-)	Roll Size	Case Qty.
4560-5	57719	5'	5 rolls
4560-10	57717	10'	5 rolls
4560-15	57718	15'	5 rolls

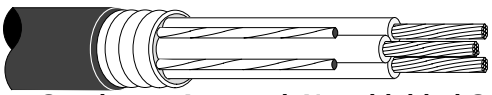
3/C, 5 kV, Non-Shielded Armored or Non-Armored Resin/Cold Shrink Splices

3M™ 5750 Series Three-Conductor Inline Splicing Kits

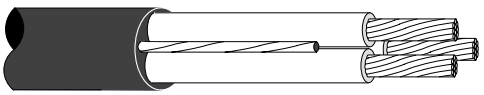
116

3M 5750 Series 3-Conductor Inline Splicing Kits are designed for nonshielded armored and non-armored solid dielectric cables rated up to 5 kV.

Connectors are not included, order separately. See page 129 in the "Lugs & Connectors" section for ordering information. Each kit makes one 3/C splice.



Three-Conductor Armored, Nonshielded Cable



Three-Conductor Non-Armored, Nonshielded Cable

3M 5750 Series Selection

Product Series	UPC (054007-)	Conductor Size (Copper or Aluminum) 1 kV or Less	5 kV	Typical Splice Length	Case Qty.
Three Conductor Armored, Nonshielded Cable, Three Conductor Non-Armored, Nonshielded Cable See above for cable type illustrations.					
5751	08310	6 - 1 AWG (14 - 38 mm^2)	6 - 4 AWG (14 - 16 mm^2)	19" (483 mm)	1
5752	08311	1/0 - 4/0 AWG (60 - 100 mm^2)	2 - 4/0 AWG (35 - 100 mm^2)	28" (711 mm)	1
5753	08312	250 - 750 AWG (150 - 325 mm^2)	250 - 500 kcmil aluminum (150 - 250 mm^2) 250 - 750 kcmil copper only (150 - 325 mm^2)	42" (1067 mm)	1

3/C, 5/8 kV, Shielded Armored or Non-Armored Resin/Cold Shrink Splices

3M™ 5760 Series Armored/Non-Armored Cable Splices

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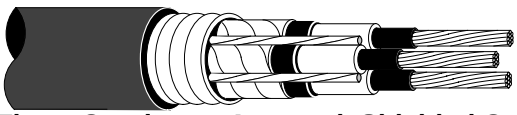
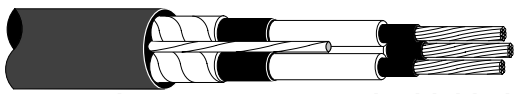
3M 5760 Series 3-Conductor Inline Splicing Kits are designed for splicing shielded armored and non-armored cables, 5 kV and 8 kV.

Connectors are not included, order separately. See page 129 in the "Lugs & Connectors" section for ordering information. Each kit makes one 3/C splice.



Three-Conductor Armored, Shielded Cable



Three-Conductor Non-Armored, Shielded Cable

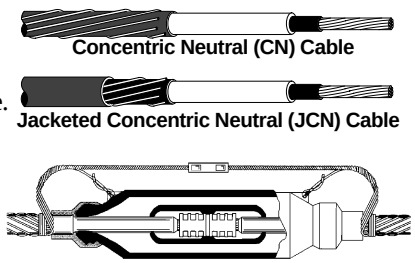
3M 5760 Series Selection

Product Series	UPC (054007-)	Insulation O.D. Range	Conductor Size (Copper or Aluminum)	Maximum Connector O.D.	Maximum Connector Length	Typical Splice Length	Case Qty.
Three Conductor Armored, Shielded Cable, Three Conductor Non-Armored, Shielded Cable See above for cable type illustrations.							
5761	12260	0.65 - 1.38" (17 - 35 mm)	4/0 AWG - 500 kcmil (120 - 250 mm^2)	0.80" (20 mm)	2.75" (70 mm)	29" (737 mm)	1
5762	12262	0.93 - 1.94" (24 - 49 mm)	500 - 1000 kcmil (300 - 500 mm^2)	1.40" (36 mm)	5.00" (127 mm)	44" (1118 mm)	1

15 kV Splices
1/C JCN/CN Molded Rubber Splices

3M molded rubber QS and QS-II kits are inline splices made from specially formulated, peroxide-cured, EPDM rubbers to ensure a stable seal and a splice that will last the life of the cable. The continuous current rating of each splice is equal to the current rating of the cable it is sized to. Each molded rubber splice is tested at the factory on power cable to ensure long-term reliability. Each molded rubber splice meets requirements of IEEE 404.

3M™ 5400 QS Series Inline Splice Kits

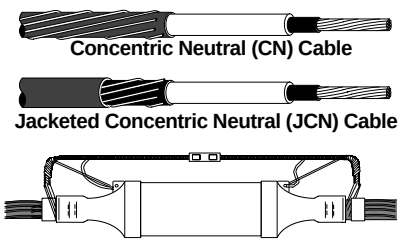


3M 5400 series QS kits are inline splices designed for use on 15 kV CN or JCN cable.

To use the splice kit, select the appropriate size CI series compression connector. The connectors can be used on both stranded and solid, aluminum or copper conductors sized from 2/0 to 750 kcmil (70 to 300 mm^2).

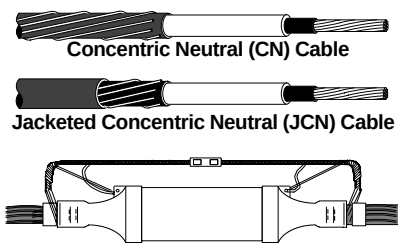
Meets requirements of IEEE Standard 404. See page 255 for 3M CI Connectors. Each kit makes one splice.

3M 5411 and 3M 5412 QS-II Splice Kits



3M 5411 and 5412 QS-II kits are one-piece inline splices designed for use on 15 kV rated CN and JCN cable. Meets requirements of IEEE Standard 404. (You may order some connectors with splice body in a kit.) Each kit makes one splice.

3M 5411A QS-II Splice Kit



3M 5411A QS-II Splice Kit is a one-piece inline splice sized for #1 and 1/0 (220 mil) and 2/0 (175 mil) 15 kV rated, CN and JCN cables. The kit includes a cone-shaped device called “Porta-Pencil” that is used when sliding the splice body onto the cable. This Porta-Pencil feature plus an ID increase makes the 5411A install easily on the thicker 220-mil cables.

Meets requirements of IEEE Standard 404. See page 256 for 3M connectors. Each kit makes one splice.

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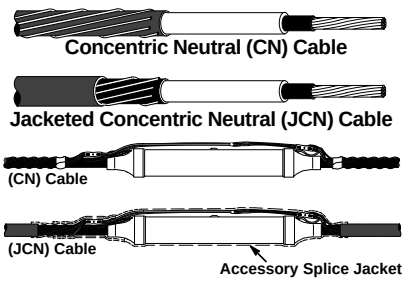
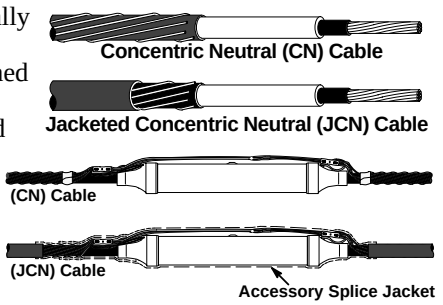
3M 5411R QS-II Cable Repair Splice Kit



3M 5411R QS-II cable repair kit is a specially elongated molded rubber splice designed to repair damaged cable. It can be used on 15 kV copper or aluminum, CN or JCN cables. The splice is an elongated version of the QS-II. It is designed to replace up to 6" (152 mm) of damaged cable, thus eliminating the need to splice in a new section of cable with two separate splices.

Meets requirements of IEEE Standard 404. The 5411R can be ordered with the special connector packed in the kit or the kit and connector can be ordered as separate items. See page 254 for 3M connectors. Each kit makes one splice repair.

3M 5412R QS-II Cable Repair Splice Kit



3M 5412R QS-II cable repair kit is a specially elongated molded rubber splice designed to repair damaged cable. It can be used on 15 kV copper or aluminum, CN or JCN cables. The splice is an elongated version of the QS-II. It is designed to replace up to 6" (152 mm) of damaged cable, thus eliminating the need to splice in a new section of cable with two separate splices. The 5412R is designed for use with a special inline compression connector, for connecting either aluminum or copper conductors.

Meets rating requirements of IEEE Standard 404. Each kit makes one splice repair.

1/C, 15 kV, JCN/CN Molded Rubber Splices

3M 5400 Series, 5411, 5411A and 5412 Selection

Product Series	UPC (054007-)	Splice Jacket† Needed for JCN Cables	Conductor Size Cu or Al Stranded	Conductor Size Cu or Al Solid	Primary Insulation O.D. Range	Specified Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable **See page 234 for cable type illustrations.**							
5403	11818	SJ-2A or HSJ-2A	2/0 - 4/0 AWG (70 - 100 mm²)	—	0.795 - 0.940" (20 - 24 mm)	CI Series	1
5404	11826	SJ-2A or HSJ-2A	2/0 - 4/0 AWG (70 - 100 mm²)	—	0.920 - 1.080" (23 - 27 mm)	CI Series	1
5405	11834	SJ-2A or HSJ-2A	250 - 350 kcmil (125 - 180 mm²)	—	0.920 - 1.080" (23 - 27 mm)	CI Series	1
5406	11842	SJ-2A or HSJ-2A	250 kcmil (220 mil) 350 kcmil	—	1.060 - 1.210" (27 - 31 mm)	CI Series	1
5406-CI-350	41907	SJ-2A or HSJ-2A	350 kcmil	—	1.060 - 1.210" (27 - 31 mm)	CI-350	1
5407	25602	SJ-3A or HSJ-3A	500 kcmil	—	1.120 - 1.320" (28 - 34 mm)	CI Series	1
5408	25610	SJ-3A or HSJ-3A	750 kcmil	—	1.320 - 1.520" (34 - 39 mm)	CI Series	1
5408-CI-750	02314	SJ-3A or HSJ-3A	750 kcmil	—	1.320 - 1.520" (34 - 39 mm)	CI-750	1
5409	11859	SJ-3A or HSJ-3A	750 kcmil	—	1.490 - 1.660" (38 - 40 mm)	CI Series	1
5409-CI-750	30209	SJ-3A or HSJ-3A	750 kcmil	—	1.490 - 1.660" (38 - 40 mm)	CI-750	1
5411	11852	SJ-1A or HSJ-1A	4 - 2/0 AWG 2/0 (175 mil)	2 - 1/0 AWG	0.637 - 0.90" (16 - 23 mm)	CI Series, CI-T Series, or 20006	1
5411-CI-1/0*	11855	SJ-1A or HSJ-1A	1/0 AWG	—	0.637 - 0.90" (16 - 23 mm)	CI-1/0	1
5411-CI-2*	08005	SJ-1A or HSJ-1A	2 AWG	1 AWG	0.637 - 0.90" (16 - 23 mm)	CI-2	1
5411-CI-21*	11853	SJ-1A or HSJ-1A	2,1 AWG	1,1/0 AWG	0.637 - 0.90" (16 - 23 mm)	CI-21	1
5411-CI-22*	11854	SJ-1A or HSJ-1A	4 AWG (220 mil)	2 AWG	0.637 - 0.90" (16 - 23 mm)	CI-22	1
5411-20006*	11861	SJ-1A or HSJ-1A	2/0 AWG (175 mil)	—	0.637 - 0.90" (16 - 23 mm)	20006	1
5411A	09937	SJ-1A or HSJ-1A	1 AWG (220 mil) 1/0 AWG (220 mil) 2/0 AWG (175 mil)	1/0 AWG (220 mil)	0.775 - 0.90" (19,7 - 23 mm)	CI Series or 20006	1
5411A-CI-1*	09938	SJ-1A or HSJ-1A	1 AWG (220 mil)	1/0 AWG (220 mil)	0.775 - 0.90" (19,7 - 23 mm)	CI-1	1
5411A-CI-1/0*	09939	SJ-1A or HSJ-1A	1/0 AWG (220 mil)	—	0.775 - 0.90" (19,7 - 23 mm)	CI-1/0	1
5411A-20006*	09940	SJ-1A or HSJ-1A	2/0 AWG (175 mil)	—	0.775 - 0.90" (19,7 - 23 mm)	20006	1
5412	11862	SJ-1A or HSJ-1A	2/0 AWG (220 mil) 3/0 - 4/0 AWG 250 kcmil (175 mil)	—	0.840 - 1.05" (21 - 27 mm)	CI Series	1
5412-CI-2/0*	11865	SJ-1A or HSJ-1A	2/0 AWG (220 mil)	—	0.840 - 1.05" (21 - 27 mm)	CI-2/0	1
5412-CI-3/0*	11863	SJ-1A or HSJ-1A	3/0 AWG	—	0.840 - 1.05" (21 - 27 mm)	CI-3/0	1
5412-CI-4/0*	11864	SJ-1A or HSJ-1A	4/0 AWG	—	0.840 - 1.05" (21 - 27 mm)	CI-4/0	1

† To order splice jackets see page 291.
*Kit includes the connector specified.
Note: Cable sizes shown above are for standard insulation thickness. Final determining factor is cable insulation O.D.
Important: Use the primary insulation O.D. range as the final ordering criteria. The above cable sizes include 175 and 220 mil insulations.
Note: The current rating, 200 Amp, of each unit meets or exceeds the conductor range it is sized to accommodate.

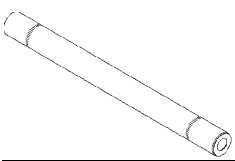
1/C, 15 kV, JCN/CN Molded Rubber Splices

3M™ 5411R and 5412R Cable Repair Splice Selection

Product Series	UPC (054007-)	Splice Jacket† Needed for JCN Cables	Conductor Size Cu or Al Stranded	Conductor Size Cu or Al Solid	Insulation O.D. Range	Specified Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See page 234 for cable type illustrations.							
5411R	09352	SJ-1A or HSJ-1A, 8428-12**	4 AWG (220 mil only) 2 - 1/0 AWG	2 - 1/0 AWG	0.637 - 0.900" (16 - 31 mm)	CIR Series	1
5411R-CIR-1/0*	09355	SJ-1A or HSJ-1A, 8428-12**	1/0 AWG	—	0.637 - 0.900" (16 - 31 mm)	CIR-1/0	1
5411R-CIR-21*	09354	SJ-1A or HSJ-1A, 8428-12**	2 - 1 AWG	1 - 1/0 AWG	0.637 - 0.900" (16 - 31 mm)	CIR-21	1
5411R-CIR-22*	09353	SJ-1A or HSJ-1A 8428-12**	4 AWG (220 mil only)	2 AWG	0.637 - 0.900" (16 - 31 mm)	CIR-22	1
5412R-CIR-3/0*	43501	SJ-2A or HSJ-2A	3/0 AWG	—	0.870 - 1.055" (22 - 27 mm)	CIR-3/0	1
5412R-CIR-4/0*	50101	SJ-2A or HSJ-2A	4/0 AWG	—	0.870 - 1.055" (22 - 27 mm)	CIR-4/0	1

* Kit includes the connector specified
** 8428-12 is used with the SJ kits only.
Note: Cable sizes shown above are for standard insulation thickness. Final determining factor is cable insulation O.D.
† To order Splice Jackets see page 279.

Specifications and Ordering Information on CIR Series Repair Connectors for 3M 5411R and 5412R Series (pg. 252)

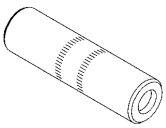


Product Number	UPC (054007-)	Conductor Size Cu or Al Stranded	Conductor Size Cu or Al Solid	Connector O.D.	Splice Body	Case Qty.
CIR-1/0	09358	1/0 AWG	—	0.63" (16 mm)	5411R	10
CIR-21	09357	2 – 1 AWG	1 – 1/0 AWG	0.63" (16 mm)	5411R	10
CIR-22	09356	4 AWG (220 mil only)	2 AWG	0.63" (16 mm)	5411R	10
CIR-2/0	41964	2/0 AWG (220 mil only)	—	0.91" (23 mm)	5412R	10
CIR-3/0	41965	3/0 AWG	—	0.91" (23 mm)	5412R	10
CIR-4/0	50228	4/0 AWG	—	0.91" (23 mm)	5412R	10

Product Referral Generator

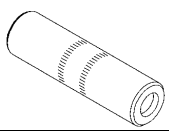
Splice Jacketing
– SJ Series . . . . . pg. 291
– HSJ Series . . . . . pg. 291

Specifications and Ordering Information on CI Series Connectors for 3M™ 5400 and 5500 Series (pgs. 252 and 258)



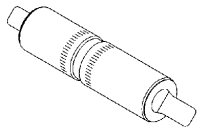
Product Number	UPC (054007-)	Conductor Size Cu or Al	Connector O.D.	Case Qty.
CI-2/0	11875	2/0 AWG	0.91" (23 mm)	10
CI-3/0	11883	3/0 AWG	0.90" (22 mm)	10
CI-4/0	11891	4/0 AWG	0.90" (22 mm)	10
CI-250	11909	250 kcmil	1.11" (28 mm)	10
CI-350	11925	350 kcmil	1.11" (28 mm)	10
CI-450	11933	500 kcmil Compact	1.3" (33 mm)	10
CI-500	25644	500 kcmil	1.3" (33 mm)	10
CI-650	11941	750 kcmil Compact	1.7" (43 mm)	10
CI-750	25651	750 kcmil	1.57" (40 mm)	10

Specifications and Ordering Information on Connectors for 3M 5411, 5412 and 5500 Series (pgs. 252 and 258)



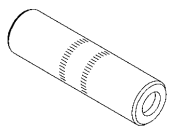
Product Number	UPC (054007-)	Conductor Size Cu or Al		Connector O.D.	Case Qty.
		Stranded	Solid		
20006	13285	2/0 AWG	—	0.687" (17 mm)	10
20009	13319	250 kcmil	—	0.906" (23 mm)	3
CI-1/0	11867	1/0 AWG	—	0.63" (16 mm)	10
CI-1/0-840	09137	1/0 AWG	—	0.90" (22 mm)	10
CI-2	11651	2 AWG	1 AWG	0.63" (16 mm)	10
CI-2/0	11875	2/0 AWG	—	0.91" (23 mm)	10
CI-21	11856	2, 1 AWG	1, 1/0 AWG	0.63" (16 mm)	10
CI-21-840	09136	2, 1 AWG	1, 1/0 AWG	0.90" (22 mm)	10
CI-22	25636	4 AWG	2 AWG	0.63" (16 mm)	10
CI-3/0	11883	3/0 AWG	—	0.90" (22 mm)	10
CI-4/0	11891	4/0 AWG	—	0.90" (22 mm)	10

Specifications and Ordering Information on CI-T Series Transition Connectors for 3M™ 5411 and 5500 Series (pgs. 252 and 258)



Product Number	UPC (054007-)	Conductor Size Cu or Al (AWG) From Cable A Str.	From Cable A Solid	to Cable B Str.	to Cable B Solid	Connector O.D.	Case Qty.
CI-T-1	11958	4	2	1	1/0	0.63" (16 mm)	10
CI-T-2	11966	2	1	1	1/0	0.63" (16 mm)	10
CI-T-3	11974	4	2	1/0	—	0.63" (16 mm)	10
CI-T-4	11982	2	1	1/0	—	0.63" (16 mm)	10
CI-T-5	11990	2	1	4	2	0.63" (16 mm)	10

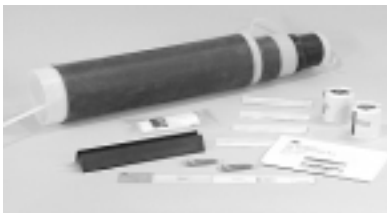
Specifications and Ordering Information on Connectors for 3M 5411A Series (pg. 252)



Product Number	UPC (054007-)	Conductor Size Cu or Al Stranded	Solid	Connector O.D.	Case Qty.
CI-1/0	11867	1/0 AWG	—	0.63" (16 mm)	10
CI-1	25628	2, 1 AWG	1, 1/0 AWG	0.63" (16 mm)	10
20006	13285	2/0 AWG	—	0.687" (17 mm)	10

1/C, 15 kV, JCN/CN Cold Shrink Splices

3M™ QS-III 5417 and 5418 Cold Shrink Inline Cable Splices



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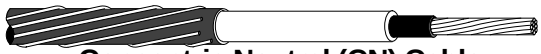
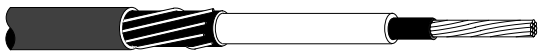
The QS-III 5417 and 5418 Cold Shrink cable splices are inline splices for joining Jacketed Concentric Neutral (JCN) or Concentric Neutral (CN) cables. It is a cold shrink design sized to fit UL Type MV-90 cables which are commonly used for feeder circuits, with copper or aluminum conductor sizes ranging from 350 to 1500 kcmil. The cold shrink splice body is a one-piece molded design made of specially formulated silicone rubbers, while the jacketing is made of EPDM rubber for its special physical properties. Each splice is high-voltage production tested to ensure reliability. Kits can be ordered with connectors packed in the kit or the kit and connector can be ordered as separate items. See page 129 to order 3M connectors.
Each kit makes one splice.



Concentric Neutral (CN) Cable



Jacketed Concentric Neutral (JCN) Cable

Product Referral Generator

Connecting . . . . . pg. 129

Features — Benefits

Cold Shrink QS-III Splices

Silicone body provides excellent electrical performance and superior low temperature handling	No heat, flames or special installation tools required. Fast recovery in cold temperatures
One piece splice body design	Minimal training required
Wide cable range	Allow transitioning of different size cables
Field proven technology	Easy, straight forward installation
Splice bodies are 100% factory tested	Field reliability

3M QS-III 5417 and 5418 Cold Shrink Series Selection

Product Series	UPC (054007-)	Insulation O.D. Range	Conductor Size	Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See above for cable type illustrations.					
5417	42124	1.02 - 1.55" (25,9 - 39,4 mm)	350 - 750 kcmil (185 - 325 mm²)	None	1
5417-350-AL	42125	1.02 - 1.55" (25,9 - 39,4 mm)	350 kcmil	20011	1
5417-350-CU	44234	1.02 - 1.55" (25,9 - 39,4 mm)	350 kcmil	10011	1
5417-500-AL	42126	1.02 - 1.55" (25,9 - 39,4 mm)	500 kcmil	20014	1
5417-500-CU	44235	1.02 - 1.55" (25,9 - 39,4 mm)	500 kcmil	10014	1
5417-750-AL	04587	1.02 - 1.55" (25,9 - 39,4 mm)	750 kcmil	20019	1
5417-750-CU	04588	1.02 - 1.55" (25,9 - 39,4 mm)	750 kcmil	10019	1
5418	42128	1.29 - 2.00" (32,8 - 50,8 mm)	750 - 1000 kcmil (400 - 500 mm²)	None	1
5418-750-AL	42129	1.29 - 2.00" (32,8 - 50,8 mm)	750 kcmil	20019	1
5418-750-CU	44236	1.29 - 2.00" (32,8 - 50,8 mm)	750 kcmil	10019	1
5418-1000-AL	42130	1.29 - 2.00" (32,8 - 50,8 mm)	1000 kcmil	20024	1
5418-1000-CU	44237	1.29 - 2.00" (32,8 - 50,8 mm)	1000 kcmil	10024	1

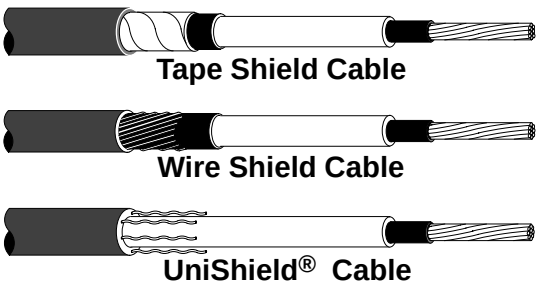
1/C, 15 kV, Shielded-Tape, Wire, UniShield® Molded Rubber Splices

3M™ 5500 Series Molded Rubber Cable Splices

The 3M 5500 series QS-II kits are inline splices designed for use on 15 kV copper or aluminum Tape Shielded, Wire Shielded and UniShield® cable from 2 AWG to 750 kcmil. The continuous current rating of each splice is equal to the current rating of the cable it is sized to accommodate. Meets requirements of IEEE Standard 404. Each kit makes one splice.

A special 3M connector is necessary to complete the splice. Order the connector separately or as part of the kit.

See page 136 for reference to CI connectors.



3M QS-II 5500 Series Selection

Product Series	UPC (054007-)	Conductor Size Cu or Al Stranded	Conductor Size Cu or Al Solid	Primary Insulation O.D. Range	Specified Connector	Case Qty.
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable See above for cable type illustrations.						
5501	12293	4 - 1/0 AWG 2/0 (175 mil)	2 - 1/0 AWG	0.637 - 0.900" (16 - 23 mm)	CI-Series	1
5501-CI-21*	09628	2 - 1 AWG	1 - 1/0 AWG	0.637 - 0.900" (16 - 23 mm)	CI-21	1
5501-CI-1/0*	09629	1/0 AWG	—	0.637 - 0.900" (16 - 23 mm)	CI-1/0	1
5501-20006*	09630	2/0 AWG (175 mil)	—	0.637 - 0.900" (16-23 mm)	20006	1
5502	12294	2/0 AWG (220 mil) 3/0 - 4/0 AWG 250 kcmil (175 mil)	4/0 AWG	0.840 - 1.050" (21 - 27 mm)	CI Series or 20009	1
5502-CI-2/0*	09631	2/0 AWG (220 mil)	—	0.840 - 1.050" (21 - 27 mm)	CI-2/0	1
5502-CI-3/0*	09632	3/0 AWG	4/0 AWG	0.840 - 1.050" (21 - 27 mm)	CI-3/0	1
5502-CI-4/0*	09633	4/0 AWG	—	0.840 - 1.050" (21 - 27 mm)	CI-4/0	1
5502-20009*	09634	250 kcmil (175 mil)	—	0.840 - 1.050" (21 - 27 mm)	20009	1
5503	12295	250 kcmil (220 mil) 350 kcmil	—	1.060 - 1.210" (27 - 31 mm)	CI Series	1
5503-CI-250*	09635	250 kcmil (220 mil)	—	1.060 - 1.210" (27 - 31 mm)	CI-250	1
5503-CI-350*	09636	350 kcmil	—	1.060 - 1.210" (27 - 31 mm)	CI-350	1
5504	12296	500 kcmil	—	1.120 - 1.320" (28 - 34 mm)	CI Series	1
5504-CI-500*	09637	500 kcmil	—	1.120 - 1.320" (28 - 34 mm)	CI-500	1
5505	12297	750 kcmil	—	1.320 - 1.520" (34 - 39 mm)	CI Series	1
5505-CI-750*	09638	750 kcmil	—	1.320 - 1.520" (34 - 39 mm)	CI-750	1

*Kit includes the connector specified

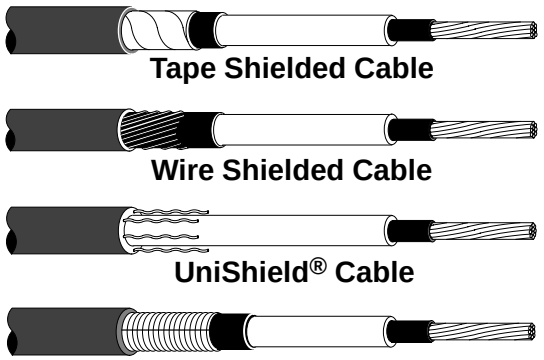
Note: Cable sizes shown above are for standard insulation thickness. Final determining factor is cable insulation O.D.

1/C, 15 kV, Shielded-Tape, Wire, UniShield®, LC Cold Shrink Splices

3M™ QS-III 5515 and 5516 Cold Shrink Cable Splices

120

The QS-III 5515 and 5516 Cold Shrink series splicing kits are inline splices for joining 15 kV Tape, Wire, LC and UniShield® power cables. It is a cold shrink design. Kits can be ordered with connectors packed in the kit or the kit and connector can be ordered as separate items. See page 129 to order 3M connectors.
Each kit makes one splice.



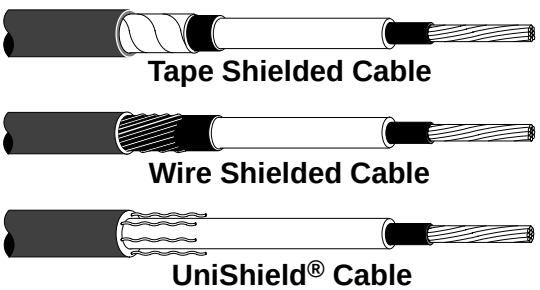
3M QS-III 5515 and 5516 Cold Shrink Series Selection

Product Series	UPC (054007-)	Primary Insulation O.D. Range	Conductor Size	Connector	Case Qty.
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable, Longitudinally Corrugated (LC) Shielded Cable See above for cable type illustrations.					
5515	42134	1.02 - 1.55" (25,9 - 39,4 mm)	350 - 750 kcmil (185 - 325 mm²)	None	1
5515-350-AL	42135	1.02 - 1.55" (25,9 - 39,4 mm)	350 kcmil	20011	1
5515-350-CU	42898	1.02 - 1.55" (25,9 - 39,4 mm)	350 kcmil	10011	1
5515-500-AL	42899	1.02 - 1.55" (25,9 - 39,4 mm)	500 kcmil	20014	1
5515-500-CU	42136	1.02 - 1.55" (25,9 - 39,4 mm)	500 kcmil	10014	1
5515-750-AL	42900	1.02 - 1.55" (25,9 - 39,4 mm)	750 kcmil	20019	1
5515-750-CU	42137	1.02 - 1.55" (25,9 - 39,4 mm)	750 kcmil	10019	1
5516	42139	1.29 - 2.00" (32,8 - 50,8 mm)	750 - 1500 kcmil (400 - 725 mm²)	None	1
5516-750-AL	42354	1.29 - 2.00" (32,8 - 50,8 mm)	750 kcmil	20019	1
5516-750-CU	43255	1.29 - 2.00" (32,8 - 50,8 mm)	750 kcmil	10019	1
5516-1000-AL	42901	1.29 - 2.00" (32,8 - 50,8 mm)	1000 kcmil	20024	1
5516-1000-CU	42106	1.29 - 2.00" (32,8 - 50,8 mm)	1000 kcmil	10024	1

1/C, 5 - 15 kV, Shielded-Tape, Wire, UniShield® Tape Splices

Scotch® 5700 Series Tape Splice Kits

Scotch brand tape kits handle inline and tee splices on Tape Shielded, Wire Shielded or UniShield® cables with Cu or Al conductors. Kits are rated 5 through 15 kV, and each kit makes three splices. Use the selector chart to determine the proper kit needed. See “Lugs & Connectors” section, page 129, for ordering information. 3M does not offer tee connectors.



121

Scotch 5700 Series Selection

Product Number	UPC (054007-)	Inline Splices: 5 and 8 kV Cu	Inline Splices: 5 and 8 kV Al	Inline Splices: 15 kV 100% 175mil Cu	Inline Splices: 15 kV 100% 175mil Al	Inline Splices: 15 kV 133% 220 mil Cu	Inline Splices: 15 kV 133% 220 mil Al	Tee Splices*: 5 and 8 kV Cu	Tee Splices*: 5 and 8 kV Al	Tee Splices*: 15 kV 100% 175 mil Cu	Tee Splices*: 15 kV 100% 175 mil Al	Tee Splices*: 15 kV 133% 220 mil Cu	Tee Splices*: 15 kV 133% 220 mil Al	Case Qty.
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable See above for cable type illustrations.														
5717	12030	4-250 (22-125)	4-4/0 (2-100)	4-2 (22-30)	—	4	—	—	—	—	—	—	—	1
5718	12048	300-500 (180-250)	250 (150)	1-4/0 (50-100)	4-2/0 (22-60)	2-1/0 (35-60)	—	4-2/0 (22-60)	4-1/0 (22-50)	—	—	—	—	1
5719	12055	550-1000 (300-500)	300-500 (180-250)	250-500 (180-250)	3/0-250 (95-125)	2/0-350 (70-180)	4-3/0 (22-80)	3/0-350 (95-180)	2/0-4/0 (70-100)	4-1 (22-38)	—	—	—	1
5720	12063	— —	500-1000 (300-500)	550-1000 (300-500)	300-750 (180-325)	400-750 (240-325)	4/0-500 (120-250)	400-750 (240-325)	250-500 (125-250)	1/0-350 (60-180)	4-4/0 (22-100)	4-250 (22-125)	4-3/0 (22-80)	1

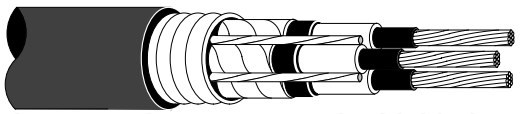
*3M does not offer tee splice connectors.
Note: Larger-numbered kits may be used in place of smaller-numbered kits (with excess materials left over).

3/C, 15 kV, Shielded Armored or Non-Armored Cold Shrink Splices

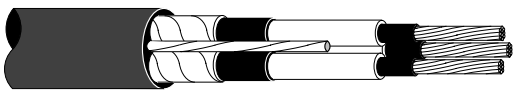
3M™ 5760 and QSIII Cold Shrink 5777-MT Cable Splices

5760 Series 122

Designed for splicing shielded (Tape or Wire Shielded and UniShield®) armored or non-armored cables, 15 kV. The completed splices are designed for use in cable tray, as well as weather-exposed and direct burial locations. The 5760 Series splices use resin and Cold Shrink technology, while the 5777-MT is a cold shrink only splice kit. Connectors not included, order separately. See page 129 for ordering connectors. Each kit makes one 3/C splice.



Three-Conductor Armored, Shielded Cable



Three-Conductor Non-Armored, Shielded Cable

3M 5760 and 5777-MT Selection

Product Series	UPC (054007-)	Insulation O.D. Range	Conductor Size Copper	Conductor Size Aluminum	Maximum Connector O.D.	Maximum Connector Length	Typical Splice Length	Case Qty.
Three Conductor Armored, Shielded Cable, Three Conductor Non-Armored, Shielded Cable, See above for cable type illustrations.								
5761	12260	0.65 - 1.38" (17 - 35 mm)	2 - 3/0 AWG (35 - 80 mm^2)	2 - 3/0 AWG (35 - 80 mm^2)	0.80" (20 mm)	2.75" (70 mm)	29" 737 mm)	1
5762	12262	0.93 - 1.94" (24 - 49 mm)	4/0 AWG - 750 kcmil (120 - 325 mm^2)	4/0 AWG - 500 kcmil (120 - 250 mm^2)	1.40" (36 mm)	5.00" (127 mm)	44" (1118 mm)	1
5777-MT	04251	1.02 - 1.55" (26 - 39 mm)	350 - 750 kcmil (180 - 325 mm^2)	350 - 750 kcmil (180 - 325 mm^2)	1.55" (39 mm)	6.00" Aluminum (152 mm) 6.25" Copper (159 mm)	53" (1346 mm)	1

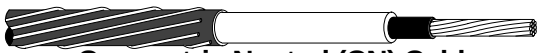
25/28 kV Splices

1/C, 25/28 kV, JCN/CN Molded Rubber Splices

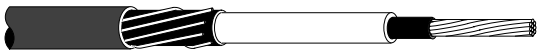
3M™ 5420 and 5450 Cable Splices

3M 5420 series QS kits are inline splices designed for use on 25 kV CN or JCN cable. The 3M 5451 and 5452 QS kits are one-piece inline splices designed for use on 25 kV CN and JCN Cable. The 3M 5451A QS-II kit is a one-piece inline splice for use on 25/28 kV CN and JCN Cable.

The continuous current rating of each splice is equal to the current rating of the cable it is sized to accommodate. Exceeds requirements of IEEE Standard 404 for cable joints. Jacketing kit is needed for JCN Cable. See page 136 to order CI, CI-840, CI-A series connectors. See next page for 5450 series selection. Each kit makes one splice.



Concentric Neutral (CN) Cable



Jacketed Concentric Neutral (JCN) Cable

3M 5420 Series Selection

Product Series	UPC (054007-)	Insulation O.D. Range	Conductor Size* Cu or Al	Specified Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See above for cable type illustrations.					
5420	15819	0.795 - 0.940" (20 - 24 mm)	2 - 1/0 AWG (35 - 50 mm^2)	CI and CI-A Series	1
5420-CI-22A	15820	0.795 - 0.940" (20 - 24 mm)	2 AWG Solid	CI-22A	1
5421	15827	0.920 - 1.080" (23 - 27 mm)	1/0 - 3/0 AWG (60 - 80 mm^2)	CI and CI-A Series	1
5422	15835	1.060 - 1.210" (27 - 31 mm)	3/0 - 4/0 AWG (95 - 100 mm^2)	CI and CI-A Series	1
5423	15843	1.120 - 1.320" (28 - 34 mm)	250 - 350 kcmil (125 - 180 mm^2)	CI and CI-A Series	1
5423-CI-350	08384	1.120 - 1.320" (28 - 34 mm)	350 kcmil	CI-350	1
5424	15850	1.320 - 1.520" (34 - 39 mm)	500 kcmil	CI and CI-A Series	1
5425	09240	1.390 - 1.590" (35 - 40 mm)	750 kcmil Compact	CI and CI-A Series	1
5426	09239	1.550 - 1.710" (39 - 43 mm)	750 kcmil Compressed & Concentric	CI and CI-A Series	1
5426-CI-750	09177	1.550 - 1.710" (39 - 43 mm)	750 kcmil	CI-750	1

*Use the primary insulation O.D. range for final ordering criteria.

Note: If connector is desired packed with any of the kits shown above, add the connector number after the splice number (example: 5420-CI-22A). See page 265 for ordering information. Jacketing kit is needed for JCN Cable.

1/C, 25/28 kV, JCN/CN Molded Rubber Splices

3M™ 5450 Series Selection

Product Series	UPC (054007-)	Insulation O.D. Range	Conductor Size* Cu or Al	Specified Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See page 220 for cable type illustrations.					
5451	09127	0.83 - 1.04" (21 - 26 mm)	2 - 2/0 AWG (60 mm²)	CI, CI-840, and CI-A Series	1
5451-CI-1/0-840	09155	0.83 - 1.04" (21 - 26 mm)	1/0 AWG	CI-1/0-840	1
5451-CI-1/0A	09153	0.83 - 1.04" (21 - 26 mm)	1/0 AWG	CI-1/0A	1
5451-CI-1A	09935	0.83 - 1.04" (21 - 26 mm)	1 AWG	CI-1A	1
5451-CI-2A	09152	0.83 - 1.04" (21 - 26 mm)	2 AWG	CI-2A	1
5451-CI-21-840	09154	0.83 - 1.04" (21 - 26 mm)	2 or 1 AWG	CI-21-840	1
5452	09128	1.00 - 1.15" (25 - 29 mm)	3/0 - 4/0 AWG (95 mm²)	CI, CI-840, and CI-A Series	1

* Use the primary insulation O.D. range for final ordering criteria.
Note: If connector is desired packed with any of the kits shown above, add the connector number after the splice number (example: 5450-CI-22A).
See page 265 for ordering information. Jacketing kit is needed for JCN Cable.

3M 5451A Series Selection

Product Series	UPC	Insulation O.D. Range	Conductor Stranded	Conductor Solid	Cable Insulation Thickness	Specified Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See page 220 for cable type illustrations.							
5451A	49527	0.905 - 1.055" (23,0 - 26,8 mm)	2 AWG	1 AWG	295 mils	CI-2A or CI-21-840	1
			1 AWG	1/0 AWG	280 mils 295 mils	CI-1A or CI-21-840	1
			1/0 AWG	—	260 mils 280 mils 295 mils	CI-1/0A or CI-1/0-840	1
			2/0 AWG	—	260 mils 280 mils	CI-2/0	1
5451A-CI-1/0A	49530	0.905 - 1.055" (23,0 - 26,8 mm)	1/0 AWG	—	260 mils 280 mils 295 mils	CI-1/0A	1
5451A-CI-1A	49529	0.905 - 1.055" (23,0 - 26,8 mm)	1 AWG	1/0 AWG	280 mils 295 mils	CI-1A	1
5451A-CI-1/0-840	49528	0.905 - 1.055" (23,0 - 26,8 mm)	1/0 AWG	—	260 mils 280 mils 295 mils	CI-1/0-840	1
5451A-CI-2/0	49531	0.905 - 1.055" (23,0 - 26,8 mm)	2/0 AWG	—	260 mils 280 mils	CI-2/0	1
5451A-CI-21-840	49532	0.905 - 1.055" (23,0 - 26,8 mm)	2 or 1 AWG	1 or 1/0 AWG	295 mils	CI-21-840	1

Jacketing kit is needed for JCN Cable.
Note: CI-A and CIR-A series connectors are sized for 5/8 crimping die; CI-2/0, CI-840 and CIR-840 series connectors are sized for 840 crimping die.
Final determining factor is cable insulation diameter.

Product Referral Generator

Connecting
– CI Series Connectors . . . . . .pg. 265-266
– CI-840 . . . . . .pg. 265-266
– CI-A Series Connectors . . . . . .pg. 265-266

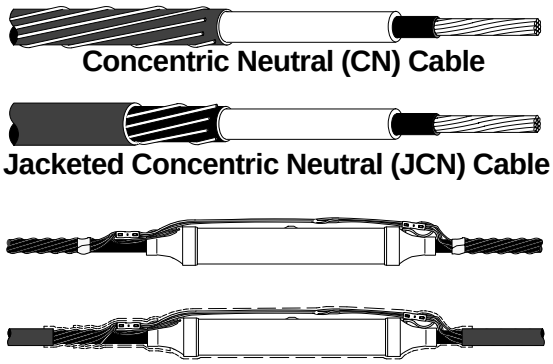
For more information on Connecting see pg. 129

1/C, 25/28 kV, JCN/CN Molded Rubber Splices

3M™ QS-II 5451R Cable Repair Splices

3M 5451R QS-II cable repair kit is a specially elongated molded rubber splice designed to repair damaged cable. It can be used on 25/28 kV copper or aluminum, CN or JCN cables. It is designed to replace up to 6" (152 mm) of damaged cable, eliminating the need to splice in a new section of cable with two separate splices.

Meets rating requirements of IEEE Standard 404. Jacketing kit is needed for JCN Cable. Each kit makes one splice repair.



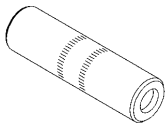
3M 5451R Cable Repair Splice Selection

Product Series	UPC	Cable Insulation O.D. Range	Conductor Stranded	Conductor Solid	Cable Insulation Thickness	3M Connector Product Number	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See above for cable type illustrations.							
5451R-CIR-1/0A	49476	0.870 - 1.055" (22,1 - 26,8 mm)	1/0 AWG	—	260 mils 280 mils 295 mils	CIR-1/0A	1
5451R-CIR-1/0-840	49477	0.870 - 1.055" (22,1 - 26,8 mm)	1/0 AWG	—	260 mils 280 mils 295 mils	CIR-1/0-840	1
5451R-CIR-21A	49479	0.870 - 1.055" (22,1 - 26,8 mm)	2 or 1 AWG	1 or 1/0 AWG	260 mils 280 mils 295 mils	CIR-21A	1
5451R-CIR-21-840	49478	0.870 - 1.055" (22,1 - 26,8 mm)	2 or 1 AWG	1 or 1/0 AWG	260 mils 280 mils 295 mils	CIR-21-840	1

Jacketing kit is needed for JCN Cable.

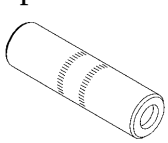
Note: CI-A and CIR-A series connectors are sized for 5/8 crimping die; CI-2/0, CI-840 and CIR-840 series connectors are sized for 840 crimping die. Final determining factor is cable insulation diameter.

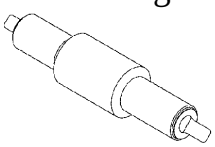
Specifications and Ordering Information on CI and CI-A Series Connectors for 3M™ 5420 Series (pg. 262)



Product Number	UPC (054007-)	Conductor Size Cu or Al		Connector O.D.	Case Qty.
		Stranded	Solid		
CI-1/0A	14176	1/0 AWG	—	0.91" (23 mm)	10
CI-1A	00722	2 - 1 AWG	1 - 1/0 AWG	0.91" (23 mm)	10
CI-2/0	11875	2/0 AWG	—	0.91" (23 mm)	10
CI-2A	00721	2 AWG	1 AWG	0.91" (23 mm)	10
CI-22A	15868	—	2 AWG	0.91" (23 mm)	10
CI-3/0	11883	3/0 AWG	—	0.90" (22 mm)	10
CI-4/0	11891	4/0 AWG	—	0.90" (22 mm)	10
CI-250	11909	250 kcmil	—	1.11" (28 mm)	10
CI-350	11925	350 kcmil	—	1.11" (28 mm)	10
CI-450	11933	500 kcmil Compact	—	1.3" (33 mm)	10
CI-500	25644	500 kcmil	—	1.3" (33 mm)	10
CI-650	11941	750 kcmil Compact	—	1.7" (43 mm)	10
CI-750	25651	750 kcmil Compressed & Concentric	—	1.57" (40 mm)	10

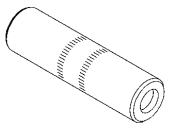
Specifications and Ordering Information on CI Series Connectors 3M 5450 Series (pg. 262)





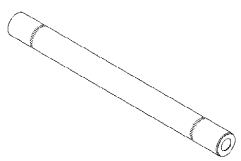
Product Number	UPC (054007-)	Conductor Size Cu or Al		Connector O.D.	Case Qty.
		Stranded	Solid		
CI-1/0-840	09137	1/0 AWG	—	0.90" (22 mm)	10
CI-2/0	11875	2/0 AWG	—	0.91" (23 mm)	10
CI-21-840	09136	2 - 1 AWG	1 - 1/0 AWG	0.90" (22 mm)	10
CI-3/0	11883	3/0 AWG	—	0.90" (22 mm)	10
CI-4/0	11891	4/0 AWG	—	0.90" (22 mm)	10
CI-1/0A	14176	1/0 AWG	—	0.91" (23 mm)	10
CI-1A	00722	2 - 1 AWG	1 - 1/0 AWG	0.91" (23 mm)	10
CI-2A	00721	2 AWG	1 AWG	0.91" (23 mm)	10
CI-22A	15868	—	2 AWG	0.91" (23 mm)	10

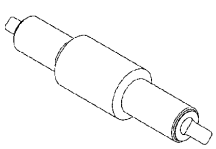
Specifications and Ordering Information on CI Series Connectors for 3M™ 5451A Series (pg. 263)



Product Number	UPC (054007-)	Conductor Size Cu or Al Stranded	Solid	Connector O.D.	Splice Body	Case Qty.
CI-1/0A	14176	1/0 AWG	—	0.91" (23 mm)	5451A	10
CI-1A	00722	1 AWG	1/0 AWG	0.91" (23 mm)	5451A	10
CI-1/0-840	09137	1/0 AWG	—	0.91" (23 mm)	5451A	10
CI-2/0	11875	2/0 AWG	—	0.91" (23 mm)	5451A	10
CI-21-840	09136	2 - 1 AWG	1 - 1/0 AWG	0.91" (23 mm)	5451A	10

Specifications and Ordering Information on CIR Series Repair Connectors for 3M 5451R Series (pg. 264)





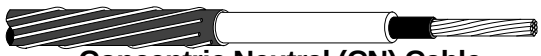
Product Number	UPC (054007-)	Conductor Size Cu or Al Stranded	Solid	Connector O.D.	Splice Body	Case Qty.
CIR-1/0A	50226	1/0 AWG	—	0.63" (16 mm)	5451R	10
CIR-21A	50227	2 - 1 AWG	1 - 1/0 AWG	0.63" (16 mm)	5451R	10

1/C, 25/28 kV, JCN/CN Cold Shrink Splices

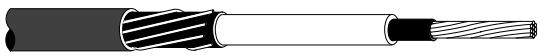
3M™ QS-III 5457 and 5458 Cold Shrink Cable Splices

123

3M QS-III 5457, 5458 Cold Shrink series splicing kits are inline splices for joining 25/28 kV Jacketed Concentric Neutral (JCN) or Concentric Neutral (CN) power cables. It is a cold shrink design. The cold shrink splice body is a one-piece molded design made of specially formulated silicone rubbers, while the jacketing is made of rubber for its special physical properties. Each splice is high-voltage production tested to ensure reliability. Kits can be ordered with connectors packed in the kit or the kit and connector can be ordered as separate items. See page 129 to order 3M connectors. Each kit makes one splice.



Concentric Neutral (CN) Cable



Jacketed Concentric Neutral (JCN) Cable

3M QS-III 5457 and 5458 Cold Shrink Series Selection

Product Series	UPC (054007-)	Primary Insulation O.D. Range	Conductor Size	Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See above for cable type illustrations.					
5457	42149	1.05 - 1.68" (26,7 - 42,7 mm)	350 - 650 kcmil (185 - 325 mm^2)	None	1
5457-350-AL	42132	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	20011	1
5457-350-CU	44238	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	10011	1
5457-500-AL	42133	1.05 - 1.68" (26,7 - 42,7 mm)	500 kcmil	20014	1
5457-500-CU	44239	1.05 - 1.68" (26,7 - 42,7 mm)	500 kcmil	10014	1
5458	42908	1.31 - 2.12" (33,3 - 53,8 mm)	500 - 1000 kcmil (300 - 500 mm^2)	None	1
5458-500-AL	04593	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	20014	1
5458-500-CU	04594	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	10014	1
5458-750-AL	42909	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	20019	1
5458-750-CU	44240	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	10019	1
5458-1000-AL	42910	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	20024	1
5458-1000-CU	44241	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	10024	1

1/C, 25/28 kV, Shielded-Tape, Wire, UniShield®, LC Cold Shrink Splices

3M™ QS-III 5525 and 5526 Cold Shrink Series Cable Splices

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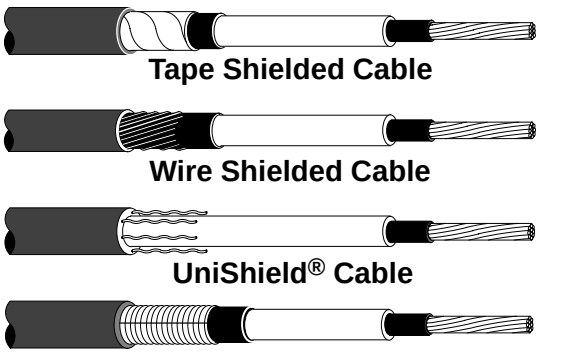
3M QS-III 5525, 5526 Cold Shrink series splicing kits are inline splices for joining 25/28 kV Tape, Wire, LC, and UniShield® power cables. It is a cold shrink design. The cold shrink splice body is a one-piece molded design made of specially formulated silicone rubbers, while the jacketing is made of rubber for its special physical properties. Each splice is high-voltage production tested to ensure reliability. Kits can be ordered with connectors packed in the kit or the kit and connector can be ordered as separate items. See page 129 to order 3M connectors. Each kit makes one splice.



3M QS-III 5525 and 5526 Cold Shrink Series Selection

Product Series	UPC (054007-)	Primary Insulation O.D. Range	Conductor Size	Connector	Case Qty.
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable, Longitudinally Corrugated (LC) Shielded Cable See above for cable type illustrations.					
5525	42138	1.05 - 1.68" (26,7 - 42,7 mm)	350 - 750 kcmil (185 - 325 mm²)	None	1
5525-350-AL	42140	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	20011	1
5525-350-CU	42902	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	10011	1
5525-500-AL	42141	1.05 - 1.68" (26,7 - 42,7 mm)	500 kcmil	20014	1
5525-500-CU	42903	1.05 - 1.68" (26,7 - 42,7 mm)	500 kcmil	10014	1
5525-750-AL	42904	1.05 - 1.68" (26,7 - 42,7 mm)	750 kcmil	20019	1
5525-750-CU	42127	1.05 - 1.68" (26,7 - 42,7 mm)	750 kcmil	10019	1
5526	42905	1.31 - 2.12" (33,3 - 53,8 mm)	500 - 1000 kcmil (300 - 500 mm²)	None	1
5526-500-AL	04597	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	20014	1
5526-500-CU	04598	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	10014	1
5526-750-AL	04595	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	20019	1
5526-750-CU	04596	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	10019	1
5526-1000-AL	42906	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	20024	1
5526-1000-CU	42907	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	10024	1

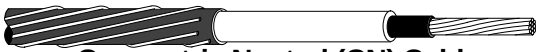
35 kV Splices

1/C, 35 kV, JCN/CN Molded Rubber Splices

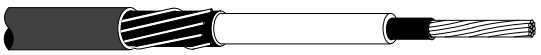
3M™ 5432 and 5461 Cable Splices

3M 5432, 5433 and 5461 QS kits are inline splices designed for use on 35 kV CN or JCN cable. Meets requirements of IEEE Standard 404. The continuous current rating of each splice is equal to the current rating of the cable it is sized to accommodate.

For copper or aluminum conductor cable, select the correct splice with connector, from the table below. To order connector separately see page 270. Each kit makes one splice.



Concentric Neutral (CN) Cable



Jacketed Concentric Neutral (JCN) Cable

3M 5430 and 5461 Series Selection

Product Series	UPC (054007-)	Primary Insulation O.D. Range	Conductor Size* Cu or Al	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See above for cable type illustrations.				
5432	02338	1.060 - 1.210" (27 - 31 mm)	2 Str.-1/0 Str. AWG	1
5432-CI-1A	08357	1.060 - 1.210" (27 - 31 mm)	2 Str.-1/0 Sol. AWG	1
5432-CI-1/0A	31222	1.060 - 1.210" (27 - 31 mm)	1/0 Str. AWG	1
5433	02339	1.120 - 1.320" (28 - 34 mm)	3/0-4/0 AWG	1
5433-CI-3/0B	49485	1.120 - 1.320" (28 - 34 mm)	3/0 AWG	1
5433-CI-4/0B	49486	1.120 - 1.320" (28 - 34 mm)	4/0 AWG	1
5461	09129	1.00 - 1.15" (25 - 29 mm)	1-1/0 AWG	1
5461-CI-1/0-840	09157	1.00 - 1.15" (25 - 29 mm)	1/0 AWG	1
5461-CI-1/0A	09156	1.00 - 1.15" (25 - 29 mm)	1/0 AWG	1

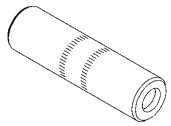
Jacketing kit is needed for JCN Cable.
*Important: On all QS kits use the primary insulation O.D. range for final ordering criteria.

Product Referral Generator

Connecting
- CI Series Connectors . . . . . pg. 270
- CI-A Series . . . . . pg. 270
- CI-840 . . . . . pg. 270

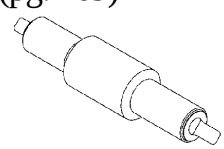
For more information on Connecting see pg. 129

Specifications and Ordering Information on CI and CI-A Series Connectors for 3M™ 5432 and 5433 Series (pg. 269)



Product Number	UPC (054007-)	Conductor Size Cu or Al		Connector O.D.	Case Qty.
		Stranded	Solid		
CI-1/0A	14176	1/0 AWG	—	0.91" (23 mm)	10
CI-1A	00722	2 – 1 AWG	1 – 1/0 AWG	0.91" (23 mm)	10
CI-3/0B	—	3/0 AWG	3/0 AWG	—	10
CI-4/0B	—	4/0 AWG	40 AWG	—	10

Specifications and Ordering Information on CI-A and CI-840 Series Connectors for 3M 5461 Series (pg. 269)



Product Number	UPC (054007-)	Conductor Size Cu or Al		Case Qty.
		Stranded	Solid	
CI-1/0A	14176	1/0 AWG	—	10
CI-1/0-840	09137	1/0 AWG	—	10
CI-1A	00722	2 – 1 AWG	1 – 1/0 AWG	10
CI-2A	00721	2 AWG	1 AWG	10

1/C, 35 kV, JCN/CN Cold Shrink Splices

3M™ QS-III 5467 and 5468 Cold Shrink Cable Splices

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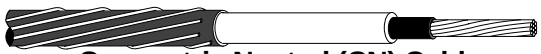
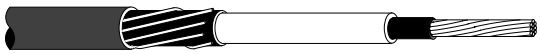
3M QS-III 5467, 5468 Cold Shrink series splicing kits are inline splices for joining 35 kV Jacketed Concentric Neutral (JCN) or Concentric Neutral (CN) power cables. It is a cold shrink design. The cold shrink splice body is a one-piece molded design made of specially formulated silicone rubbers, while the jacketing is made of rubber for its special physical properties. Each splice is high-voltage production tested to ensure reliability. Kits can be ordered with connectors packed in the kit or the kit and connector can be ordered as separate items. See page 129 to order 3M connectors. Each kit makes one splice.



Concentric Neutral (CN) Cable



Jacketed Concentric Neutral (JCN) Cable

3M QS-III 5467 and 5468 Cold Shrink Series Selection

Product Series	UPC (054007-)	Primary Insulation O.D. Range	Conductor Size	Connector	Case Qty.
Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable See above for cable type illustrations.					
5467	43051	1.05 - 1.68" (26,7 - 42,7 mm)	1/0 AWG - 350 kcmil (60 - 150 mm²)	None	1
5467-1/0-AL	43052	1.05 - 1.68" (26,7 - 42,7 mm)	1/0 AWG	20005	1
5467-1/0-CU	43057	1.05 - 1.68" (26,7 - 42,7 mm)	1/0 AWG	10005	1
5467-2/0-AL	43053	1.05 - 1.68" (26,7 - 42,7 mm)	2/0 AWG	20006	1
5467-2/0-CU	43058	1.05 - 1.68" (26,7 - 42,7 mm)	2/0 AWG	10006	1
5467-3/0-AL	43054	1.05 - 1.68" (26,7 - 42,7 mm)	3/0 AWG	20007	1
5467-3/0-CU	43059	1.05 - 1.68" (26,7 - 42,7 mm)	3/0 AWG	10007	1
5467-4/0-AL	43055	1.05 - 1.68" (26,7 - 42,7 mm)	4/0 AWG	20008	1
5467-4/0-CU	43060	1.05 - 1.68" (26,7 - 42,7 mm)	4/0 AWG	10008	1
5467-250-AL	43056	1.05 - 1.68" (26,7 - 42,7 mm)	250 kcmil	20009	1
5467-250-CU	43061	1.05 - 1.68" (26,7 - 42,7 mm)	250 kcmil	10009	1
5467-350-AL	04589	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	20011	1
5467-350-CU	04590	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	10011	1
5468	43062	1.31 - 2.12" (33,3 - 53,8 mm)	350 - 1000 kcmil (185 - 500 mm²)	None	1
5468-350-AL	43063	1.31 - 2.12" (33,3 - 53,8 mm)	350 kcmil	20011	1
5468-350-CU	43067	1.31 - 2.12" (33,3 - 53,8 mm)	350 kcmil	10011	1
5468-500-AL	43064	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	20014	1
5468-500-CU	43068	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	10014	1
5468-750-AL	43065	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	20019	1
5468-750-CU	43069	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	10019	1
5468-1000-AL	43066	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	20024	1
5468-1000-CU	43070	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	10024	1

1/C, 35 kV, Shielded - Tape, Wire, UniShield® LC Cold Shrink Splices

3M™ QS-III 5535 and 5536 Cold Shrink Cable Splices

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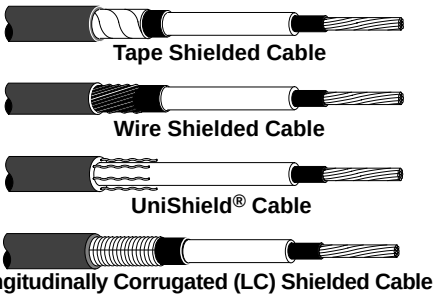
3M QS-III 5535, 5536 Cold Shrink series splicing kits are inline splices for joining 35 kV Tape, Wire, LC, and UniShield® power cables. The cold shrink splice body is a one-piece molded design made of specially formulated silicone rubbers, while the jacketing is made of rubber for its special physical properties. Each splice is high-voltage production tested to ensure reliability. Kits can be ordered with connectors packed in the kit or the kit and connector can be ordered as separate items. See page 129 to order 3M connectors. Each kit makes one splice.



3M QS-III 5535 and 5536 Cold Shrink Series Selection

Product Series	UPC (054007-)	Primary Insulation O.D. Range	Conductor Size	Connector	Case Qty.
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable, Longitudinally Corrugated (LC) Shielded Cable See above for cable type illustrations.					
5535	43071	1.05 - 1.68" (26,7 - 42,7 mm)	1/0 AWG - 350 kcmil (60 - 150 mm²)	None	1
5535-1/0-AL	43072	1.05 - 1.68" (26,7 - 42,7 mm)	1/0 AWG	20005	1
5535-1/0-CU	43077	1.05 - 1.68" (26,7 - 42,7 mm)	1/0 AWG	10005	1
5535-2/0-AL	43073	1.05 - 1.68" (26,7 - 42,7 mm)	2/0 AWG	20006	1
5535-2/0-CU	43078	1.05 - 1.68" (26,7 - 42,7 mm)	2/0 AWG	10006	1
5535-3/0-AL	43074	1.05 - 1.68" (26,7 - 42,7 mm)	3/0 AWG	20007	1
5535-3/0-CU	43079	1.05 - 1.68" (26,7 - 42,7 mm)	3/0 AWG	10007	1
5535-4/0-AL	43075	1.05 - 1.68" (26,7 - 42,7 mm)	4/0 AWG	20008	1
5535-4/0-CU	43080	1.05 - 1.68" (26,7 - 42,7 mm)	4/0 AWG	10008	1
5535-250-AL	43076	1.05 - 1.68" (26,7 - 42,7 mm)	250 kcmil	20009	1
5535-250-CU	43081	1.05 - 1.68" (26,7 - 42,7 mm)	250 kcmil	10009	1
5535-350-AL	04591	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	20011	1
5535-350-CU	04592	1.05 - 1.68" (26,7 - 42,7 mm)	350 kcmil	10011	1
5536	43082	1.31 - 2.12" (33,3 - 53,8 mm)	350 - 1000 kcmil (185 - 500 mm²)	None	1
5536-350-AL	43083	1.31 - 2.12" (33,3 - 53,8 mm)	350 kcmil	20011	1
5536-350-CU	43087	1.31 - 2.12" (33,3 - 53,8 mm)	350 kcmil	10011	1
5536-500-AL	43084	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	20014	1
5536-500-CU	43088	1.31 - 2.12" (33,3 - 53,8 mm)	500 kcmil	10014	1
5536-750-AL	43085	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	20019	1
5536-750-CU	43089	1.31 - 2.12" (33,3 - 53,8 mm)	750 kcmil	10019	1
5536-1000-AL	43086	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	20024	1
5536-1000-CU	43090	1.31 - 2.12" (33,3 - 53,8 mm)	1000 kcmil	10024	1

PILC Splices and Accessories

1/C Low Voltage Splices 0-600V (1000V rated)

3M™ CS500Pb Series 1000V Cable Splices

Cold Shrink CS500Pb series splice kits are a series of kits rated 1000 volts for splicing Paper Insulated Lead Covered (PILC) cable. The splice kits can be used to connect PILC to PILC or used to connect PILC to Poly/EPR cables. The splice kits also meet the requirement of ANSI Standard C119.1. Scotchlok™ 2000T series copper connectors are provided with these kits. Each kit makes one splice.

Single Conductor PILC Cable

Features — Benefits

CS500Pb Series

Simple safe installation	No tools or special training needed
Water Resistant	Meets the water seal requirements of ANSI C119.1
No torches or heat required	Quick installation using tube on removable core technology
Connectors are provided	Copper oil stop connectors meet requirements of ANSI C119.4
Proven oil stop performance	Withstand internal oil pressures exceeding 100 PSI and vacuum to 18 inches Mercury

3M CS500Pb Cold Shrink Series Selection

Product Series	UPC (054007-)	Secondary Cable Conductor Size	PILC Cable Lead O.D. Range	Poly/EPR Cable Insulation O.D. Range	Case Qty.
Single Conductor PILC Cable See above for cable type illustration.					
CS501Pb-4	44154	4 AWG	0.57 - 0.80" (14,5 - 20,3 mm)	0.31 - 0.80" (7,9 - 20,3 mm)	1
CS502Pb-1	44156	1 AWG	0.63 - 0.80" (16,0 - 20,3 mm)	0.31 - 0.80" (7,9 - 20,3 mm)	1
CS502Pb-2	44155	2 AWG	0.63 - 0.80" (16,0 - 20,3 mm)	0.31 - 0.80" (7,9 - 20,3 mm)	1
CS503Pb-1/0	44157	1/0 AWG	0.63 - 1.03" (16,0 - 26,1 mm)	0.34 - 1.03" (8,6 - 26,1 mm)	1
CS504Pb-2/0	44158	2/0 AWG	0.67 - 1.03" (17,0 - 26,1 mm)	0.34 - 1.03" (8,6 - 26,1 mm)	1
CS505Pb-3/0	44159	3/0 AWG	0.72 - 1.18" (18,3 - 30,0 mm)	0.45 - 1.18' (11,4 - 30,0 mm)	1
CS505Pb-4/0	44160	4/0 AWG	0.72 - 1.18" (18,3 - 30,0 mm)	0.45 - 1.18" (11,4 - 30,0 mm)	1
CS506Pb-250	44161	250 kcmil	0.92 - 1.40" (23,3 - 35,5 mm)	0.56 - 1.40" (14,2 - 35,5 mm)	1
CS506Pb-300	44162	300 kcmil	0.92 - 1.40" (23,3 - 35,5 mm)	0.56 - 1.40" (14,2 - 35,5 mm)	1
CS506Pb-350	44163	350 kcmil	0.92 - 1.40" (23,3 - 35,5 mm)	0.56 - 1.40" (14,2 - 35,5 mm)	1
CS507Pb-400	44164	400 kcmil	1.00 - 1.40" (25,4 - 35,5mm)	0.56 - 1.40" (14,2 - 35,5 mm)	1
CS508Pb-500	44169	500 kcmil	1.00 - 1.62" (25,4 - 41,1 mm)	0.73 - 1.73" (18,5 - 43,9 mm)	1
CS508Pb-600	44165	600 kcmil	1.00 - 1.62" (25,4 - 41,1 mm)	0.73 - 1.73" (18,5 - 43,9 mm)	1
CS508Pb-750	44166	750 kcmil	1.00 - 1.62" (25,4 - 41,1 mm)	0.73 - 1.73" (18,5 - 43,9 mm)	1
CS508Pb-800	44167	800 kcmil	1.00 - 1.62" (25,4 - 41,1 mm)	0.73 - 1.73" (18,5 - 43,9 mm)	1
CS508Pb-1000	44168	1000 kcmil	1.00 - 1.62" (25,4 - 41,1 mm)	0.73 - 1.73" (18,5 - 43,9 mm)	1

1/C to 1/C, 15 kV Cold Shrink Splices

QS-2000T 1/C PILC to 1/C Poly/EPR or 1/C PILC to 1/C PILC Cable Splices

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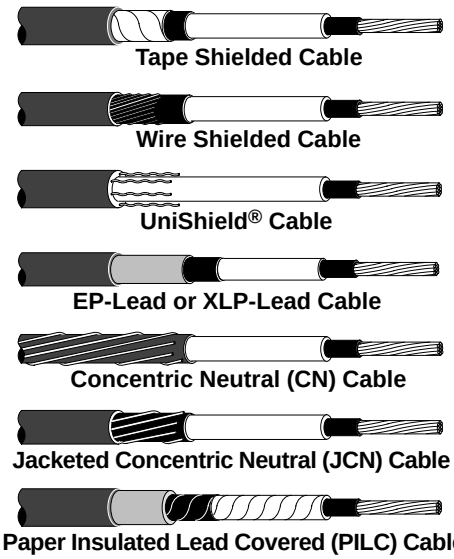
The QS2000T kit allows you to splice either single-conductor PILC cable to single-conductor PILC cable, or single-conductor PILC cable to single-conductor Poly/EPR cable. Because of the design of the splice, size transitions can also be accommodated rather easily. The QS-2000T kits meet the requirements of IEEE 404-1993. Use Scotchlok™ 2000T Series Connectors with these splice kits. See page 129 to order connectors. Each kit makes one single conductor splice.



QS-2000T Series Selection

Product Series	UPC (054007-)	PILC Cable Insulation O.D. Range	PILC Cable Size	Poly/EPR Cable Size	Poly/EPR Insulation O.D. Range	Connector Requirements O.D.	Maximum Connector Length Aluminum	Copper
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable, EP-Lead or XLP-Lead Cable, Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable, Paper Insulated Lead Covered (PILC) Cable **See page 234 for cable type illustrations.**								
QS-2011T	50546	0.56 - 0.88" (14,2 - 22,4 mm)	4 - 3/0 AWG (25 - 70 mm²)	1 - 4/0 AWG (50 - 95 mm²)	0.70 - 1.07" (17,8 - 27,2 mm)	0.70 - 1.07" (17,8 - 27,2 mm)	5.0" (127 mm)	5.5" (140 mm)
QS-2012T	50547	0.74 - 1.17" (18,8 - 29,7 mm)	3/0 AWG - 350 kcmil (95 - 185 mm²)	4/0 AWG - 500 kcmil (120 - 240 mm²)	0.88 - 1.36" (22,0 - 34,6 mm)	0.88 - 1.36" (22,0 - 34,6 mm)	5.2" (132 mm)	5.5" (140 mm)
QS-2013T	50555	0.98 - 1.56" (24,9 - 39,6 mm)	400 - 1000 kcmil (200 - 500 mm²)	500 - 1000 kcmil (240 - 500 mm²)	1.12 - 1.70" (28,4 - 43,2 mm)	1.12 - 1.70" (28,4 - 43,2 mm)	6.5" (165 mm)	7.5" (190 mm)

QS-2000T Ordering Examples
Example 1: You need a 15kV – #3 PILC Cu spliced to a 15kV – 1/0 Al extruded dielectric.
Order: QS-2000T - #3 – 1/0.
Example 2: You need a 15kV – 500 kcmil PILC Cu spliced to a 15kV – 500 kcmil Cu extruded insulation.
Order: QS-2000T – 500.

3/C to 1/C, 15 kV Cold Shrink Splices

QS-2000-3T and QS-2000-3T-WS 3/C PILC to 1/C Poly/EPR Cable Trifurcating Splices

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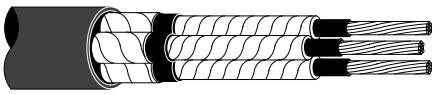
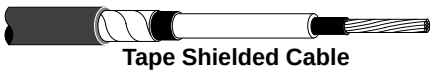
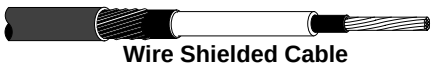
Cold Shrink QS-2000-3T and QS-2000-3T-WS Trifurcating Transition Splice Kits are rated 15 kV. They are specially designed splice kits for connecting three conductor Paper Insulated Lead Covered (PILC) cable to three single conductor Poly/EPR insulated cables. Splices meet the requirements of IEEE Standard 404-1993. Use Scotchlok 2000T series connectors with these kits. Each kit makes one three conductor to three single conductor splice.



Three-Conductor Paper Insulated Lead Covered (PILC) Cable



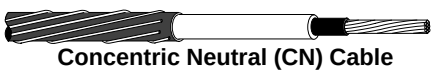
Tape Shielded Cable



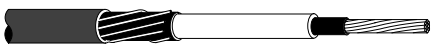
Wire Shielded Cable

UniShield® Cable

EP-Lead or XLP-Lead Cable



Concentric Neutral (CN) Cable



Jacketed Concentric Neutral (JCN) Cable

QS-2000-3T and QS-2000-3T-WS Series Selection

Product Series	UPC (054007-)	PILC Cable Size	Poly/EPR Cable Size	Poly/EPR Insulation O.D. Range	Connector Requirements O.D.	Maximum Connector Length Aluminum	Maximum Connector Length Copper
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable, EP-Lead or XLP-Lead Cable, Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable **See page 234 for cable type illustrations.**							
QS-2011-3T	42021	4 - 3/0 AWG (25 - 70 mm²)	1 - 4/0 AWG (50 - 95 mm²)	0.70 - 1.07" (17,8 - 27,2 mm)	0.70 - 1.07" (17,8 - 27,2 mm)	5.0" (127 mm)	5.5" (140 mm)
QS-2012-3T	42022	3/0 AWG - 250 kcmil (95 - 120 mm²)	4/0 AWG - 500 kcmil (120 - 240 mm²)	0.88 - 1.36" (22,0 - 34,6 mm)	0.88 - 1.36" (22,0 - 34,6 mm)	5.2" (132 mm)	5.5" (140 mm)
QS-2012/13-3T	44202	350-500 kcmil (195-240 mm²)	250 - 500 kcmil (120 - 240 mm²)	0.91 - 1.36" (23,0 - 34,6 mm)	0.91 - 1.36" (28,0 - 42,0 mm)	5.2" (132 mm)	5.5" (140 mm)
QS-2013-3T	42023	400 - 800 kcmil (200 - 400 mm²)	500 - 1000 kcmil (240 - 500 mm²)	1.12 - 1.70" (28,4 - 43,2 mm)	1.12 - 1.70" (28,4 - 43,2 mm)	6.5" (165 mm)	7.5" (190 mm)
QS-2011-3T-WS*	43248	4 - 3/0 AWG (25 - 95 mm²)	1 - 4/0 AWG (35 - 95 mm²)	0.70 - 1.07" (17,8 - 27,2 mm)	0.70 - 1.07" (17,8 - 27,2 mm)	5.0" (127 mm)	5.5" (140 mm)
QS-2012-3T-WS*	04211	3/0 AWG - 250 kcmil (95 - 120 mm²)	4/0 AWG - 500 kcmil (120 - 240 mm²)	0.88 - 1.36" (22,0 - 34,6 mm)	0.88 - 1.36" (22,0 - 34,6 mm)	5.2" (132 mm)	5.5" (140 mm)
QS-2012/13-3T-WS*	04644	350 - 500 kcmil (195 - 240 mm²)	250 - 500 kcmil (120 - 240 mm²)	0.91 - 1.36" (23,0 - 34,6 mm)	0.91 - 1.36 (23,0 - 34,6 mm)	5.2" (132 mm)	5.5" (140 mm)
QS-2013-3T-WS*	04212	400 - 800 kcmil (200 - 400 mm²)	500 - 1000 kcmil (240 - 500 mm²)	1.12 - 1.70" (28,4 - 43,2 mm)	1.12 - 1.70" (28,4 - 43,2 m)	6.5" (165 mm)	7.5" (190 mm)

***QS-2000-3T-WS uses heat shrink wrap around.**

3/C to 3/C, 15 kV Cold Shrink Splices

QS-2013-3T-3C 3/C PILC to 3/C Poly/EPR Cable Splice

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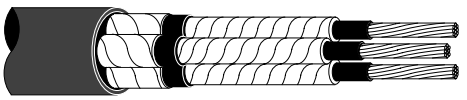
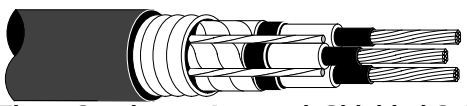
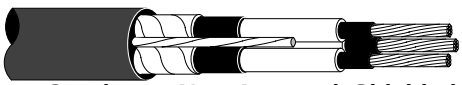
The Cold Shrink QS-2013-3T-3C splice kit is rated 15 kV. It is specially designed for connecting three conductor shielded or belted Paper Insulated Lead Covered (PILC) cable to three conductor shielded Poly/EPR insulated cables. The splice meets the requirements of IEEE Standard 404-1993. Use Scotchlok 2000T series connectors with this kit. Each kit makes one three conductor to three conductor splice.



Three-Conductor Paper Insulated Lead Covered (PILC) Cable



Three-Conductor Armored, Shielded Cable



Three-Conductor Non-Armored, Shielded Cable

QS-2000-3T-3C Series

Product Series	UPC (054007-)	PILC Cable Size	Poly/EPR Cable Size	Poly/EPR Insulation O.D. Range	Connector Requirements O.D.	Maximum Connector Length Aluminum	Copper
Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable, EP-Lead or XLP-Lead Cable, Concentric Neutral (CN) Cable, Jacketed Concentric Neutral (JCN) Cable **See page 234 for cable type illustrations.**							
QS-2013-3T-3C	43247	400 - 800 kcmil (200 - 400 mm²)	500 - 750 kcmil (240 - 325 mm²)	1.12 - 1.70" (28,4 - 43,2 mm)	1.12 - 1.70" (28,4 - 43,2 mm)	6.5" (165 mm)	7.5" (190 mm)

Connectors

Scotchlok™ 2000T CU/AL Reducer Series Connectors

Scotchlok 2000T Reducer Series Connectors are aluminum inline sleeves that are applicable for both aluminum and copper conductors. When used with sector shaped conductors, a rounding die is recommended to round-out the sector shape. The 2000T reducer series connectors, like all 2000T series connectors is designed for use with 3M™ splice kits, CS500 series, Scotchlok 2000T series, Scotchlok 2000-3T series and 5700 series splice kits. These connectors have a solid center oil stop and meet ANSI Standard C-119.4.

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Product Referral Generator

Splicing
- CS 500Pb Series . . . . . pg. 273
- QS 2000T Series . . . . . pg. 274
- QS 2000-3T Series . . . . . pg. 275

Scotchlok 2000T CU/AL Reducer Series Selection

Product Number	UPC (054007-)	O.D. (in.)	Length (in.)	Case Qty.
2000T 4 - 1/0 CU/AL	42223	0.640	4.740	9 connectors
2000T 3 - 1/0 CU/AL	42224	0.640	4.740	9 connectors
2000T 2 - 1 CU/AL	42225	0.640	4.740	9 connectors
2000T 2 - 1/0 CU/AL	42226	0.640	4.740	9 connectors
2000T 1 - 1/0 CU/AL	42227	0.640	4.740	9 connectors
2000T 1/0 - 2/0 CU/AL	42228	0.910	4.700	3 connectors
2000T 2/0 - 4/0 CU/AL	42229	0.910	4.700	3 connectors
2000T 3/0 - 350 CU/AL	42230	1.125	4.700	3 connectors
2000T 4/0 - 350 CU/AL	42231	1.125	4.700	3 connectors
2000T 250 - 350 CU/AL	42232	1.125	4.690	3 connectors
2000T 300 - 350 CU/AL	42233	1.125	4.700	3 connectors
2000T 350 - 500 CU/AL	42234	1.320	4.700	3 connectors
2000T 400 - 500 CU/AL	42235	1.320	6.250	3 connectors
2000T 500 - 750 CU/AL	42236	1.600	6.250	3 connectors
2000T 500 - 800 CU/AL	42237	1.625	6.250	3 connectors
2000T 500 - 1000 CU/AL	42238	1.625	6.250	3 connectors
2000T 600 - 750 CU/AL	42239	1.600	6.250	3 connectors
2000T 650 - 750 CU/AL	42240	1.600	6.250	3 connectors
2000T 700 - 750 CU/AL	42241	1.600	6.250	3 connectors
2000T 750 - 800 CU/AL	42242	1.625	6.250	3 connectors
2000T 750 - 1000 CU/AL	42243	1.625	6.250	3 connectors
2000T 800 - 1000 CU/AL	42244	1.625	6.250	3 connectors

Scotchlok™ 2000T CU Connectors

Scotchlok 2000T series connectors are copper inline sleeves for use with copper conductor cables of the same size. They can be used to connect copper cable only. They are designed with a solid center oil stop for use with CS500 series splice kits, Scotchlok 2000T series, Scotchlok 2000-3T series and 5700 series splice kits. They can be used on concentric, compressed and compact stranded conductors. When used with sector shaped conductors, a rounding die is recommended to round-out the sector shape. These connectors meet ANSI Standard C-119.4. See page 274 for splice kit information.

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Scotchlok 2000T CU Series Selection

Product Number	UPC (054007-)	O.D (in.)	Length (in.)	Case Qty.
2000T - 4 CU	42245	0.700	5.320	9 connectors
2000T - 3 CU	42246	0.700	5.320	9 connectors
2000T - 2 CU	42247	0.700	5.320	9 connectors
2000T - 1 CU	42248	0.700	5.320	9 connectors
2000T - 1/0 CU	42249	0.700	5.320	3 connectors
2000T - 2/0 CU	42250	0.700	5.320	3 connectors
2000T - 3/0 CU	42251	0.700	5.320	3 connectors
2000T - 4/0 CU	42252	0.880	5.250	3 connectors
2000T -250 CU	42253	0.880	5.250	3 connectors
2000T - 300 CU	42254	0.880	5.250	3 connectors
2000T - 350 CU	42255	0.875	5.250	3 connectors
2000T - 400 CU	42256	1.125	6.900	3 connectors
2000T - 450 CU	42257	1.125	6.900	3 connectors
2000T - 500 CU	42258	1.125	6.900	3 connectors
2000T - 550 CU	42259	1.125	6.900	3 connectors
2000T - 600 CU	42260	1.188	6.900	3 connectors
2000T - 650 CU	42261	1.219	6.900	3 connectors
2000T - 700 CU	42262	1.250	6.900	3 connectors
2000T - 750 CU	42263	1.299	6.900	3 connectors
2000T - 800 CU	42264	1.344	6.900	3 connectors
2000T - 1000 CU	42265	1.500	6.900	3 connectors

Modular Splicing

- **Modular Splicing Kits** pg. 280
- **Cable Adapter Kits** pg. 282
- **Quick Adapter Oil Stop Kits** pg. 285

3M™ Modular Splice Kits form a 5 to 25 kV 600 Amp separable insulated connector system. The system is easy to expand and is flexible—allowing for easy disconnects and additions.

Using one or more of the versatile kits, you can make virtually any kind of splice–2-way, 3-way, 4-way, dead-end or connect cable to your gear's 600 Amp bushing with an equipment connection kit.

Matching a particular cable in accordance with any 3M modular splicing kit is also easy and precise. Kits are comprised of modular components (shown on the right) and are assembled following the provided instructions. The only additional supplies you need are an adapter kit for each cable being connected, which provides a custom fit of your cable to the modular system. A T-wrench is also available for the kits containing a connecting plug.

With 3M modular splicing kits, you can install critical splices in the field quickly and reliably. And, you can reenter for splice expansion or temporary dead-ending.

With 3M modular technology, every splice can maintain the insulating and shielding integrity of the original cable.

3M cold shrink insulator (included in adapter kit) provides fast, easy means of rejacketing over the shield adapter and seals the splice to the cable jacket, permitting use in submerged locations such as manholes and vaults.

3M modular splicing kits install easily on standard shielded power cables and are compatible with copper and aluminum conductors. The 5815 series kits are designed for use Tape Shield, Wire Shield, UniShield® and Jacketed Concentric Neutral Cables. Meets requirements of ANSI/IEEE Standard 386.

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Modular Splicing Kits

3M™ Modular Splicing Kit

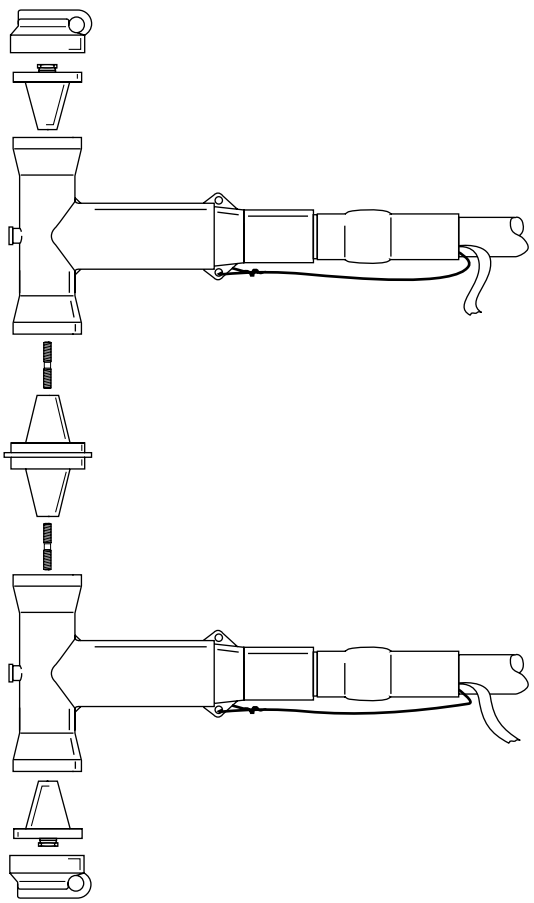
5815-S Basic Splice

Voltage Rating: 5-25 kV
ANSI/IEEE Std. 386

The 5815-S, your basic splice, is for two-way shielded power cable connections. The 5815-S is easy to disconnect, without affecting integrity, while adding or removing cables. It is also an excellent alternative to expensive switches when isolating circuits for maintenance. The "square corner" configuration saves space.

Each 5815-S kit contains:
- 2 tee-modules
- 1 connecting plug
- 2 dead-end plugs
- 2 connecting studs
- 1 instruction booklet
- silicone lubricant

Note: A cable adapter kit is required for each cable.



Ordering Information

Product Number	Conductor Size Range Stranded Cu	Al	UPC (054007-)
5815-S	2 AWG - 750 kcmil	2 AWG - 1000 kcmil	04230

3M Modular Tap Splicing Kit

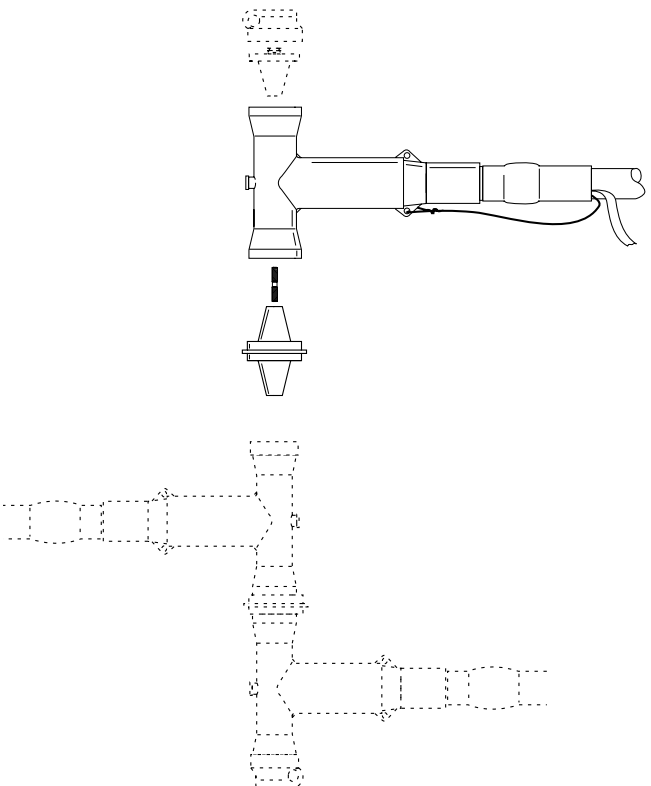
5815-T Tap (Add On)

Voltage Rating: 5-25 kV
ANSI/IEEE Std. 386

The 5815-T provides an easy way to tap into an existing dead-end or to combine with a 5815-S splice for a 3-way installation, while maintaining integrity of the original connection. Add-on to the 5815-E equipment connection for an easy method of connecting parallel feeds.

Each 5815-T kit contains:
- 1 tee-module
- 1 connecting plug
- 1 connecting stud
- 1 instruction booklet
- silicone lubricant

Note: A cable adapter kit is required for each cable.



Ordering Information

Product Number	Conductor Size Range Stranded Cu	Al	UPC (054007-)
5815-T	2 AWG - 750 kcmil	2 AWG - 1000 kcmil	04231

3M™ Dead-End Modular Kit

5815-D Dead-End

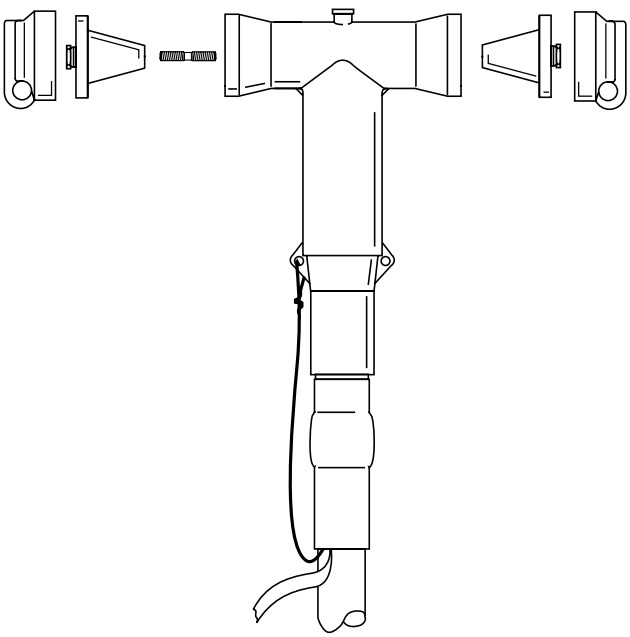
Voltage Rating: 5-25 kV
ANSI/IEEE Std. 386

Use the 5815-D for plan-ahead cable systems including submersible dead-end for cables put down during site construction.

Each 5815-D kit contains:

- 1 tee-module
- 2 dead-end plugs
- 1 connecting stud
- 1 instruction booklet
- silicone lubricant

Note: A cable adapter kit is required for each cable.



Ordering Information

Product Number	Conductor Size Range Stranded Cu	Al	UPC (054007-)
5815-D	2 AWG - 750 kcmil	2 AWG - 1000 kcmil	04233

3M Modular Equipment Kit

5815-E Equipment Connection

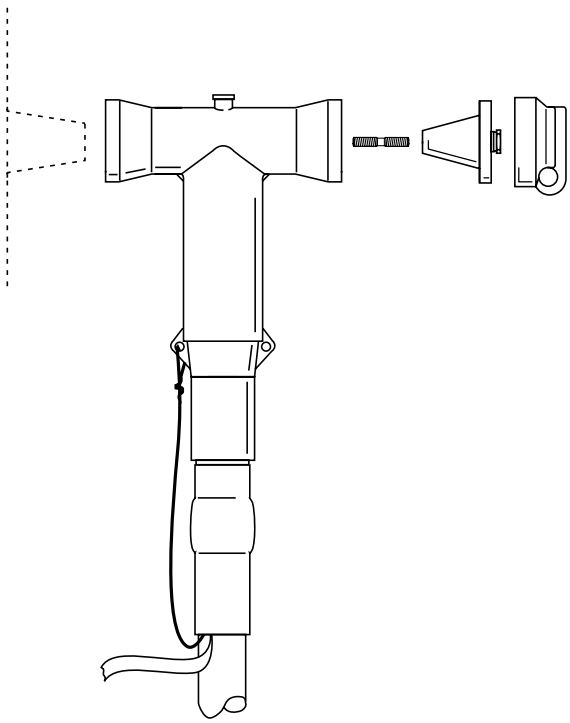
Voltage Rating: 5-25 kV
ANSI/IEEE Std. 386

This module permits connection to standard non-loadbreak 600 Amp bushings to provide fully shielded, dead-front cable connections to apparatus such as transformers, oil switches and transformer switches.

Each 5815-E kit contains:

- 1 tee-module
- 1 dead-end plug
- 1 connecting stud
- 1 instruction booklet
- silicone lubricant

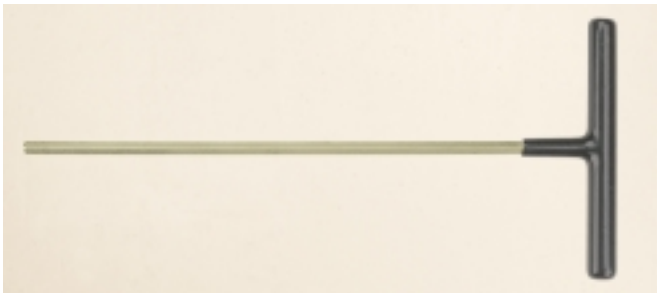
Note: A cable adapter kit is required for each cable.



Ordering Information

Product Number	Conductor Size Range Stranded Cu	Al	UPC (054007-)
5815-E	2 AWG - 750 kcmil	2 AWG - 1000 kcmil	04234

3M™ 5815-TW T-Wrench



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The 5815-TW T-wrench, available from 3M, is required to install the connecting plugs on the 5815-S and 5815-T kits.

Ordering Information

Product Number	Application	UPC (054007-)
5815-TW	T-Wrench for use with kits containing Connecting Plug(s)	43468

Cable Adapter Kits

3M Quick Adapter Modular Kit

5815-B

Voltage Rating: 5 to 25 kV

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Any of the cable adapter kits—each for a different combination of conductor size and insulation diameter—will fit directly into the main tee-module body of any 3M modular splicing kit. This permits splicing of common types of power cable (tape shield, wire shield, UniShield® and jacketed concentric neutral) with a minimum of basic kits.

Cable adapter kits include:

- 1 cable adapter
- 1 aluminum compression connector
- 1 cold shrink jacketing tube
- 1 constant force spring
- 1 ground braid assembly
- 2 mastic sealing strips
- 2 silicone lubricants
- 1 CC-3 cable cleaning pad kit
- 1 product information sheet

Note: One kit required for each cable being spliced.

Selections Guide for 5 and 8 kV Adapter Kits

Important - Final determining factor is Cable Insulation O.D. Range.

Kit No.	UPC (054007-)	Insulation Diameter Range Inches (mm)	5 kV (AWG/kcmil)				8 kV (AWG/kcmil)			
			100% (90 mils)		133% (115 mils)		100% (115 mils)		133% (140 mils)	
			Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid
5815-B1	04235	0.640 – 0.760 (16.3 – 19.3)			2/0	3/0	2/0	3/0		
5815-B2	04237	0.640 – 0.760 (16.3 – 19.3)	3/0	4/0						
5815-B3	04238	0.640 – 0.760 (16.3 – 19.3)							1/0	2/0
5815-B5	04244	0.720 – 0.845 (18.3 – 21.5)							2/0	
5815-B6	04259	0.720 – 0.845 (18.3 – 21.5)			3/0	4/0	3/0	4/0	3/0	4/0
5815-B7	04260	0.720 – 0.845 (18.3 – 21.5)	4/0	250	4/0	250*	4/0	250*		
5815-B10	04263	0.720 – 0.845 (18.3 – 21.5)	250							
5815-B12	04603	0.785 – 0.970 (19.9 – 24.6)							4/0	250
5815-B15	04268	0.785 – 0.970 (19.9 – 24.6)			250		250		250	
5815-B17	04570	0.785 – 0.970 (19.9 – 24.6)	350							
5815-B23	04576	0.910 – 1.065 (23.1 – 27.1)			350		350		350	
5815-B29	43437	0.980 – 1.140 (24.9 – 29.0)	500		500		500			
5815-B35	43443	1.080 – 1.280 (27.4 – 32.5)							500	
5815-B40	43448	1.080 – 1.280 (27.4 – 32.5)	750							
5815-B43	43451	1.220 – 1.420 (31.0 – 36.1)			750		750		750	
5815-B45	43453	1.220 – 1.420 (31.0 – 36.1)	1000 Al							
4815-B46	43454	1.360 – 1.560 (34.5 – 39.6)			1000 Al		1000 Al		1000 Al	

One kit required for each cable being connected.
*__NOTE:__ Check actual cable insulation diameter to verify correct kit selection.

Selections Guide for 15 and 25 kV Adapter Kits

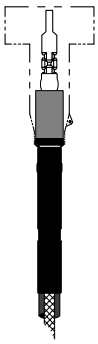
Important - Final determining factor is Cable Insulation O.D. Range.

Kit	UPC (054007-)	Insulation Diameter Range Inches (mm)	15 kV (AWG/kcmil)				25 kV (AWG/kcmil)			
			100% (175 mils)		133% (220 mils)		100% (260 mils)		133% (320 mils)	
			Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid	Stranded	Compact /Solid
5815-B3	04238	0.640 – 0.760 (16.3 – 19.3)	2	1						
5815-B4	04239	0.640 – 0.760 (16.3 – 19.3)	1	1/0*						
5815-B5	04244	0.720 – 0.845 (18.3 – 21.5)	2/0	3/0*						
5815-B8	04261	0.720 – 0.845 (18.3 – 21.5)	1/0	2/0						
5815-B9	04262	0.720 – 0.845 (18.3 – 21.5)			2	1				
5815-B11	04264	0.785 – 0.970 (19.9 – 24.6)			1	1/0	1	1/0		
5815-B13	04266	0.785 – 0.970 (19.9 – 24.6)			1/0	2/0				
5815-B14	04267	0.785 – 0.970 (19.9 – 24.6)					2	1		
5815-B16	04269	0.785 – 0.970 (19.9 – 24.6)	3/0	4/0						
5815-B18	04571	0.785 – 0.970 (19.9 – 24.6)	4/0	250						
5815-B19	04572	0.785 – 0.970 (19.9 – 24.6)			2/0	3/0				
5815-B20	04573	0.910 – 1.065 (23.1 – 27.1)					1/0	2/0		
5815-B21	04574	0.910 – 1.065 (23.1 – 27.1)					2/0	3/0		
5815-B22	04575	0.910 – 1.065 (23.1 – 27.1)			3/0	4/0				
5815-B24	04577	0.910 – 1.065 (23.1 – 27.1)	250							
5815-B25	04578	0.910 – 1.065 (23.1 – 27.1)							2	1
5815-B26	04579	0.910 – 1.065 (23.1 – 27.1)			4/0	250				
5815-B27	04581	0.910 – 1.065 (23.1 – 27.1)							1	1/0
5815-B28	04582	0.980 – 1.140 (24.9 – 29.0)					3/0	4/0		
5815-B30	43438	0.980 – 1.140 (24.9 – 29.0)							1/0	2/0
5815-B31	43439	0.980 – 1.140 (24.9 – 29.0)							2/0	3/0
5815-B32	43440	0.980 – 1.140 (24.9 – 29.0)			250				250	
5815-B33	43441	0.980 – 1.140 (24.9 – 29.0)	350							
5815-B34	43442	0.980 – 1.140 (24.9 – 29.0)					4/0	250*		
5815-B35	43443	1.080 – 1.280 (27.4 – 32.5)	500							
5815-B36	43444	1.080 – 1.280 (27.4 – 32.5)							3/0	4/0
5815-B37	43445	1.080 – 1.280 (27.4 – 32.5)					250			
5815-B38	43446	1.080 – 1.280 (27.4 – 32.5)			350					
5815-B39	43447	1.080 – 1.280 (27.4 – 32.5)							4/0	250
5815-B41	43449	1.220 – 1.420 (31.0 – 36.1)					350		350	
5815-B42	43450	1.220 – 1.420 (31.0 – 36.1)							250	
5815-B44	43452	1.220 – 1.420 (31.0 – 36.1)			500					
4815-B47	43455	1.360 – 1.560 (34.5 – 39.6)					500		500	
4815-B48	43456	1.360 – 1.560 (34.5 – 39.6)	750		750					
4815-B49	43457	1.480 – 1.700 (37.6 – 43.2)	1000 Al		1000 Al					
4815-B50	43461	1.480 – 1.700 (37.6 – 43.2)					750			
4815-B51	43465	1.640 – 1.840 (41.7 – 46.7)							750	
4815-B52	43466	1.640 – 1.840 (41.7 – 46.7)					1000 Al			
4815-B53	43467	1.780 – 1.965 (45.2 – 49.9)							1000 Al	

One kit required for each cable being connected.
*__NOTE:__ Check actual cable insulation diameter to verify correct kit selection.

Quick Adapter Oil Stop Kits

3M™ 5815-AOS and 5815-ACOS Adapter Oil Stop Kits



3M adapter oil stop kits for use with 3M 5815 series modular splice kits make all features of modular splicing available to 15 kV paper insulated lead cable (PILC). By adapting PILC to 3M 5815 series systems, oil stop kits can be used to:

- Transition splice PILC to solid dielectric cables using industry-standard modular splicing components.
- Step up or down in cable size.

By using a combination of cold shrink and oil stop technology, the kits prevent oil leakage from the PILC cable.

The 5815-AOS kits provide aluminum connectors to use with splicing kits designed to meet standards for dead-break systems rated 15 kV, 600 Amps. The 5815-ACOS kits provide copper connectors to use with 15 kV, 900 Amp dead-break systems.

Cable adapter kits include:

- 1 cable adapter
- 1 connector-lug
- 1 cold shrink oil stop sealing tube
- 1 roll oil stop restricting tape
- silicone lubricant
- cable cleaning pad
- 1 roll Scotch® 13 semi-conducting tape
- 1 roll Scotch 23 high voltage rubber electrical tape
- braid for grounding
- 2 strips rubber mastic sealing compound

Ordering Information

Product No.	Cable Size (stranded)	UPC (054007-)
5815-ACOS-2**	2 AWG	41444
5815-ACOS-1/0**	1/0 AWG	41442
5815-ACOS-2/0**	2/0 AWG	41443
5815-ACOS-4/0**	4/0 AWG	41447
5815-ACOS-250**	250 kcmil	41445
5815-ACOS-350**	350 kcmil	41446
5815-ACOS-500**	500 kcmil	41448
5815-ACOS-750**	750 kcmil	41449
5815-AOS-2*	2 AWG	41452
5815-AOS-1/0*	1/0 AWG	41450
5815-AOS-2/0*	2/0 AWG	41451
5815-AOS-4/0*	4/0 AWG	41455
5815-AOS-250*	250 kcmil	41453
5815-AOS-350*	350 kcmil	41454
5815-AOS-500*	500 kcmil	41456
5815-AOS-750*	750 kcmil	41457

* With aluminum connectors for cables with ampacity ratings of 600 Amps or less.

** To use on cables with ampacity ratings of 900 Amps or less, use copper connectors and the special 5815-S/C splice kit. Contact your local sales representative to order.

Paper Insulated Lead Covered (PILC)

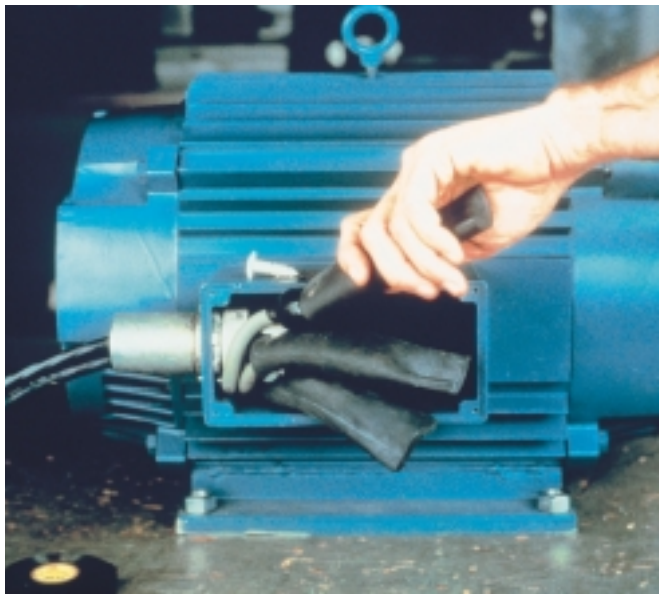
Phone 800/245 3573 Fax 800/245 0329

Motor Lead Connections

3M provides a convenient kit with everything needed to quickly make lugged motor lead connections to feeder cables. Each kit makes three splices and is designed exclusively for the abrasion, moisture, grime and temperature extremes of the industrial environment.

3M™ motor lead connectors meet requirements for CSA certification and NRTL certification.

Single Conductor Cable



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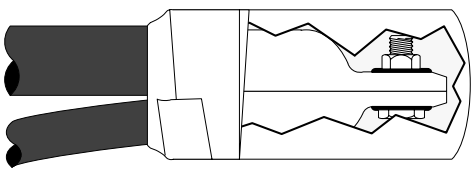
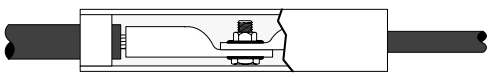
3M Nonshielded Cable Motor Lead Connections—Pigtail and Inline for 1 kV

3M motor lead pigtail connections **(5300 through 5304, copper 1 hole lugs only)** and inline splices **(5311 through 5314)** are designed to splice **1000V** or less, nonshielded feeder and motor lead cable. The splices are made with a slip-on lug cover made of EPDM rubber. Each kit makes three splices.



5300 Pigtail



5311 Inline

Specifications and Ordering Information for 1 kV 3M Motor Lead Connections

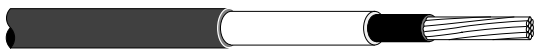
Product Number	5300	5301	5302	5303	5304	5311	5312	5313	5314
Cable Type	Single Conductor Cable See above for cable type illustration.								
	Each kit makes three splices								
	Pigtail					Inline			
Kit contents:									
Pigtail-Lug Covers	•	•	•	•	•	—	—	—	—
Inline-Splice Covers	—	—	—	—	—	•	•	•	•
Locking Pins	—	—	•	•	•	—	—	—	—
Mastic Sealing Strips	•	•	•	•	•	—	—	—	—
Silicone Grease Lubricant	•	•	•	•	•	•	•	•	•
Adapter Sleeves	—	—	—	—	—	•	•	•	•
Instructions	•	•	•	•	•	•	•	•	•
Specifications:									
Suggested Lug	Copper 1-hole	Copper 1-hole	Copper 1-hole	Copper 1-hole	Copper 1-hole	Copper 1-hole	Copper 1-hole	Copper 1-hole	Copper 1-hole
Feeder	14-10 AWG (2,5-4 mm²)	10-4AWG (6-16 mm²)	2-1/0 AWG (35-50 mm²)	1/0 AWG-250 kcmil (60-120 mm²)	250-500 kcmil (150-240 mm²)	10-4 AWG (6-16 mm²)	2-1/0 AWG (35-50 mm²)	1/0 AWG-250 kcmil (60-120 mm²)	250-500 kcmil (150-240 mm²)
Motor Lead	16-12 AWG (1,5-2,5 mm²)	12-4 AWG (4-16 mm²)	4-1/0 AWG (25-50 mm²)	2 AWG-250 kcmil (35-120 mm²)	4/0 AWG-500 kcmil (120-240 mm²)	12-4 AW (4-16 mm²)	4-1/0 AWG (25-50 mm²)	2 AWG-250 kcmil (35-120 mm²)	4/0 AWG-500 kcmil (120-240 mm²)
CSA File #LR 77372-2	SP	SP	SP	SP	SP	SP	SP	SP	SP
Ordering Information	**5300**	**5301**	**5302**	**5303**	**5304**	**5311**	**5312**	**5313**	**5314**
UPC (054007-)	08317	12263	12264	12265	12266	12267	12268	12269	12270
Case Qty. (3 splices/kit)	1 kit	1 kit	1 kit	1 kit	1 kit	1 kit	1 kit	1 kit	1 kit

Note: Lugs not included in kits.

3M™ Motor Lead Connections— Pigtail for Nonshielded 5 and 8 kV Cable

Single Conductor Cable

Nonshielded Dry Cable

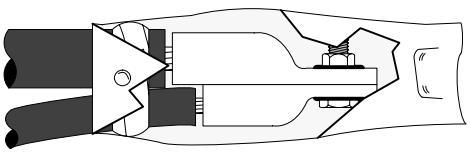


Nonshielded Wet or Dry Cable

3M motor lead pigtail connections **(5316 through 5319)** are designed to splice up to **5 to 8 kV** nonshielded feeder and motor lead cables. The splices are made with a slip-on lug cover made of EPDM rubber. Use with 1- or 2-hole copper lugs. Each kit makes three splices.

Suggested 3M Lugs

Motor Lead Kit	Suggested Lug Type	Page
5300-5304	Copper 1 hole lugs only	pg. 129
5311-5314	Copper 1 hole lugs only	pg. 129
5316-5319	Copper 1 or 2 hole lugs	pg. 129
5321-5324	1 or 2 hole lugs	pg. 129
5331-5334	1 or 2 hole lugs	pg. 129



Pigtail Nonshielded

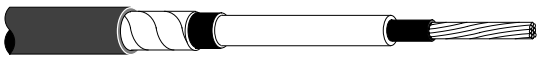
Specification and Ordering Information for Nonshielded 5 and 8 kV 3M Motor Lead Connections

Product Number	5316	5317	5318	5319
Cable Type	Single Conductor Cable, Nonshielded Dry Cable, Nonshielded Wet or Dry Cable See above for cable type illustration.			
	Each kit makes three splices			
	Nonshielded Cable			
Kit contents:				
Pigtail-Lug Covers	•	•	•	•
Locking Pins	•	•	•	•
Mastic Sealing Strips	•	•	•	•
Solvent Cleaning Cloths	•	•	•	•
Silicone Grease Lubricant	•	•	•	•
Cold Shrink Sleeves	—	—	—	—
Scotch® 2220 Stress Control Tape	—	—	—	—
Rubber Tape	•	•	•	•
Adapter Sleeves	—	—	—	—
Instructions	•	•	•	•
Specifications:				
Suggested Lug	Copper 1 or 2 hole	Copper 1 or 2 hole	Copper 1 or 2 hole	Copper 1 or 2 hole
Feeder	8 - 4 AWG (10 - 16 mm²)	2 - 1/0 AWG (35 - 50 mm²)	1/0 AWG - 250 kcmil (60 - 120 mm²)	250 - 500 kcmil (150 - 240 mm²)
Motor Lead	10 - 4 AWG (6 - 16 mm²)	4 - 1/0 AWG (25 - 50 mm²)	2 AWG - 250 kcmil (35 - 120 mm²)	4/0 AWG - 500 kcmil (120 - 240 mm²)
CSA File #LR 77372-2	SP	SP	SP	SP
Ordering Information	**5316**	**5317**	**5318**	**5319**
UPC (054007-)	08313	08314	08315	08316
Case Qty. (3 splices/kit)	1 kit	1 kit	1 kit	1 kit

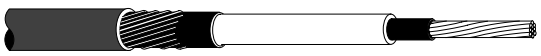
Note: Lugs not included in kits.

continued on next page

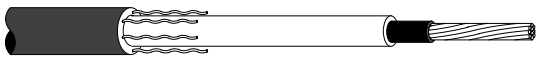
3M™ Shielded Cable Motor Lead Connections—Pigtail and Inline for 5 and 8 kV



Tape Shielded Cable



Wire Shielded Cable

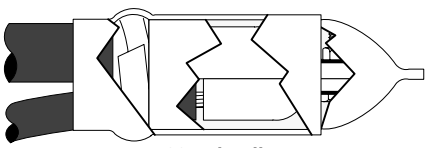


UniShield® Cable

3M motor lead pigtail connections **(5321 through 5324 copper lugs only)** and inline splices **(5331 through 5334)** are designed to splice **5 to 8 kV** shielded (Tape or Wire Shielded and UniShield®) and nonshielded feeder cable. The splices are made with a cold shrink lug cover of EPDM rubber. Use with 1 or 2 hole lugs. Each kit makes three splices.

Product Referral Generator

Taping
– Scotch Super 33+ . . . . . .pg. 3
– Scotch Super 88 . . . . . .pg. 3
Connecting . . . . . .pg. 129
Insulating
– Cold Shrink . . . . . .pg. 231
– 2200, 2210 Mastic Strips . . . . . .pg. 9



5321 Pigtail

5331 Inline

Specifications and Ordering Information for Shielded 5 and 8 kV 3M Motor Lead Connections (continued)

Product Number	5321	5322	5323	5324
Cable Type	Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable See above for cable type illustration.			
	Each kit makes three splices			
	Shielded Cable			
Kit contents:				
Pigtail-Lug Covers	•	•	•	•
Mastic Sealing Strips	•	•	•	•
Solvent Cleaning Cloths	•	•	•	•
Silicone Grease Lubricant	•	•	•	•
Cold Shrink Sleeves	•	•	•	•
Scotch® 2220 Stress Control Tape	•	•	•	•
Rubber Tape	•	•	•	•
Instructions	•	•	•	•
Specifications:				
Suggested Lug	1 or 2 hole	1 or 2 hole	1 or 2 hole	1 or 2 hole
Feeder	8 - 4 AWG (10 - 16 mm²)	2 - 1/0 AWG (35 - 50 mm²)	1/0 AWG - 250 kcmil (60 - 120 mm²)	250 - 500 kcmil (150 - 240 mm²)
Motor Lead	10 - 4 AWG (6 - 16 mm²)	4 - 1/0 AWG (25 - 50 mm²)	2 AWG - 250 kcmil (35 - 120 mm²)	4/0 AWG - 500 kcmil (120 - 240 mm²)
CSA File #LR 77372-2			SA	SA
Ordering Information	**5321**	**5322**	**5323**	**5324**
UPC (054007-)	12271	12272	12273	12274
Case Qty. (3 splices/kit)	1 kit	1 kit	1 kit	1 kit

Note: Lugs not included in kits. For replacement parts, see next page.

continued on next page

UniShield® is a registered trademark of BICC.

Specifications and Ordering Information for Shielded 5 and 8 kV 3M Motor Lead Connections

Product Number	5331	5332	5333	5334
Cable Type	Tape Shielded Cable, Wire Shielded Cable, UniShield® Cable See above for cable type illustration.			
	Each kit makes three splices			
	Shielded Cable			
Kit contents:				
Solvent Cleaning Cloths	•	•	•	•
Silicone Grease Lubricant	•	•	•	•
Cold Shrink Sleeves	•	•	•	•
Scotch® 2220 Stress Control Tape	•	•	•	•
Rubber Tape	•	•	•	•
Adapter Sleeves	•	•	•	•
Instructions	•	•	•	•
Specifications:				
Suggested Lug	1 or 2 hole	1 or 2 hole	1 or 2 hole	1 or 2 hole
Feeder	8 - 4 AWG (10 - 16 mm^2)	2 - 1/0 AWG (35 - 50 mm^2)	1/0 AWG - 250 kcmil (60 - 120 mm^2)	250 - 500 kcmil (150 - 240 mm^2)
Motor Lead	10 - 4 AWG (6 - 16 mm^2)	4 - 1/0 AWG (25 - 50 mm^2)	2 AWG - 250 kcmil (35 - 120 mm^2)	4/0 AWG - 500 kcmil (120 - 240 mm^2)
CSA File #LR 77372-2	SP	SP	SP	SP
Ordering Information	**5331**	**5332**	**5333**	**5334**
UPC (054007-)	12275	12276	12277	12278
Case Qty. (3 splices/kit)	1 kit	1 kit	1 kit	1 kit

Note: Lugs not included in kits.

Motor lead replacement tubes are designed to allow for re-use of 3M™ 5320 series pigtail splicing kits. Each kit contains:

- A cold shrink tube
- Mastic strips
- Rubber tape
- Silicone grease, which permits the reinstallation of the pigtail boots

Ordering Information for Motor Lead Replacement Kits

Product Number	UPC (054007-)	Replacement Tube
5321	44174	MLRT-21
5322	44175	MLRT-22
5323	44176	MLRT-23
5324	44177	MLRT-24

Cable Accessory Products

- **Splice Rejacketing** pg. 291
- **Splice Repair** pg. 293
- **Sealing and Grounding** pg. 295
- **Insulating and Sealing Compounds** pg. 303
- **Hardware Accessories** pg. 305
- **Corrosion Protection** pg. 306
- **Preparation and Cleaning** pg. 307

3M offers accessory products to assist with splice rejacketing, cable jacket sealing, grounding and cable preparation. Many of the products shown here are used with 3M splices and terminations. Remember to reference those sections for more product information.

Splice Rejacketing

When Jacketed Concentric Neutral cable (JCN) is spliced, it is necessary to cover the junction between the cable jackets with a water resistant rejacket. 3M offers three designs for splice rejacketing: cold shrink one piece sleeve, cold shrink stacked sleeve and heat shrink adhesive-lined sleeves.

Cold Shrink Splice Jacket Kits SJ-1A, SJ-2A, SJ-3A

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Cold shrink jacket kits offer advanced, one-piece, water-tight rejacketing for JCN cable splices. Designed as an accessory kit to re-jacket over molded rubber splices, the SJ Series is made from durable EPDM rubber.

3M Cold Shrink jacket kits SJ-1A, SJ-2A and SJ-3A offer advanced, one-piece, water-tight rejacketing for JCN shielded power cable splices. The SJ series accommodates voltage classifications of 15 kV, 25 kV and 35 kV.

In addition to the open-ended, tubular rubber sleeve, each kit includes Scotch® Rubber Mastic Tape, which is used to adjust cable O.D. and provide a sure, long-lasting seal between the cable jacket and the cold shrink sleeve, as well as sealing around the cable ground conductor.

This unique, cold shrink rejacketing kit eliminates the need for dangerous torches or special tooling.
Each kit jackets one splice.

Cold Shrink SJ-SS Series Stacked Sleeve Splice Jacket Kits SJ-1SS, SJ-2SS, SJ-3SS

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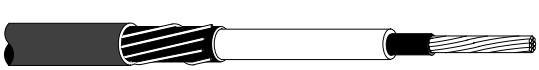
3M™ Cold Shrink jacket kits SJ-1SS, SJ-2SS and SJ-3SS are two-piece, water tight rejacketing kits for JCN cables. Designed to rejacket molded rubber splices, the SJ-SS series kits are made of EPDM rubber. This unique two-piece design allows the two tubes to "stack" on top of each other during installation, requiring less space in the manhole or ditch to make the splice. Each kit contains one small cold shrink tube, one large cold shrink tube, one profile bushing and one roll of Scotch® 2228 Mastic Tape.
Each kit jackets one splice.

3M Heat Shrinkable Splice Jacket Kits HSJ Series

139

3M HSJ Series Heat Shrinkable Splice Jackets are adhesive lined for water-tight rejacketing of JCN cable splices. Each kit covers one splice.



Jacketed Concentric Neutral Cable (JCN)

Specifications and Ordering Information for 3M™ Splice Jacket Kits

Product Number	UPC (054007-)	Sleeve Length	Expanded Sleeve I.D.	Minimum Cable Jacket O.D.	Maximum Cable Splice O.D.	Maximum Cable Jacket Opening	Splice Kit Product No. for 15 kV	for 25 kV	for 35 kV	Case Qty.
Cold Shrink SJ Series Jacket Kits for 15 kV, 25 kV and 35 kV										
SJ-1A	69742	28" (711,2 mm)	2.7" (68,5 mm)	0.95" (24,1 mm)	2.4" (61,0 mm)	20" (508 mm)	5411 5411A 5411R* 5412	—	—	6
SJ-2A	69743	36" (914,4 mm)	3.7" (93,9 mm)	1.15" (29,2 mm)	3.3" (83,8 mm)	28" (711 mm)	5403 5404 5405 5406	5420 5421 5422 5451 5451A 5452	5432 5461	6
SJ-3A	69744	38" (965,2 mm)	4.3" (109,2 mm)	1.55" (39,4 mm)	4.0" (101,6 mm)	30" (762 mm)	5407 5408 5409	5423 5424 5425 5426	5433	6
Cold Shrink SJ-SS Series Cold Shrink Stacked Sleeve Kits for 15 kV, 25 kV and 35 kV										
SJ-1SS	50777	15" (381,0 mm) 18" (457,2 mm)	2.4" (60,9 mm) 3.1" (78,7 mm)	0.95" (24,1 mm)	2.4" (61,0 mm)	23" (584 mm)	5411 5411A 5412	—	—	6
SJ-2SS	50778	19" (482,6 mm) 24" (609,6 mm)	3.1" (78,7 mm) 3.7" (93,9 mm)	1.15" (29,2 mm)	3.3" (83,8 mm)	31" (787 mm)	5403 5404 5405 5406	5420 5421 5422 5451 5451A 5452	5432 5461	6
SJ-3SS	50779	22" (558,8 mm) 25" (635,0 mm)	3.7" (93,9 mm) 4.3" (109,2 mm)	1.55" (39,4 mm)	4.0" (101,6 mm)	35" (889 mm)	5407 5408 5409	5423 5424 5425 5426	5433	6
3M™ HSJ Series Heat Shrinkable Splice Jackets for 15 kV, 25 kV and 35 kV										
HSJ-1	09270	33 " (84 mm)	2.5" (64 mm)	0.85" (21,6 mm)	1.9" (48,3 mm)	22" (559 mm)	5411 5411A 5411R 5412	—	—	10
HSJ-2	09271	40 " (102 mm)	3.0" (76 mm)	1.00" (25,4 mm)	2.6" (66,0 mm)	28" (711 mm)	5403 5404 5405 5406 5412R	5420 5421 5422 5451 5451A 5451R 5452	5432 5461	10
HSJ-3	09272	40 " (102 mm)	4.3" (109 mm)	1.50" (38,1 mm)	3.4" (86,4 mm)	28" (711 mm)	5407 5408 5409	5423 5424 5425 5426	5433	5

*3M 5411R QS-II requires an additional 8428-12 Cold Shrink tube to jacket the splice. The procedure for jacketing the 5411R QS-II is detailed in the SJ-1A kit installation instructions.

Kit Contents for 3M Splice Jacket Kits

Product Number	SJ-1A	SJ-2A	SJ-3A	SJ-1SS	SJ-2SS	SJ-3SS	HSJ-1	HSJ-2	HSJ-3
Cable Type	Jacketed Concentric Neutral Cable (JCN) See page 234 for cable type illustration.								
	Each kit jackets one splice								
	Cold Shrink Jacketing						Heat Shrink Jacketing		
Cold Shrink Tube	1	1	1	2	2	2	—	—	—
Roll Scotch® 2228 Mastic Tape	1	1	1	1	1	1	—	—	—
Heat Shrink Tube	—	—	—	—	—	—	1	1	1
Profile Bushing	—	—	—	1	1	1	—	—	—
Instructions	1	1	1	1	1	1	1	1	1

Splice Repair

3M™ HDCW Wraparound Heat Shrink Cable Repair

3M HDCW Heat Shrink Wraparound Cable Repair Sleeves are designed to quickly repair damaged cable jacketing. They may also be used to rejacket in-line splices. HDCW wrap sleeves can be used as insulation material on cable and splices up to 1000 volts and as jacket repair material on cable up to 35 kV. The design of the wrap sleeve allows it to be installed in tight spaces with ordinary heating equipment such as a torch.

The HDCW is made from modified cross-linked polyolefin, with a hot-melt adhesive liner on the inner side of the sleeve. Upon heating, the sleeve shrinks and the adhesive melts, creating a water-tight bond between the sleeve and the cable. HDCW Wraparound Cable Repair Sleeves meet ANSI C119.1 requirements. A corrosion proof metal channel is used to close the sleeve during installation.

3M HDCW wrap sleeves are stocked in four lengths and five diameters. Other cut lengths are available upon request.

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Application Guide and Ordering Information

Part Number	UPC (051138-)	Length in. (mm)	600/1000V Conductor Size (AWG or MCM)	Jacket Repair Use Range Max./Min. in. (mm)	Sleeve Dimensions Expanded Diameter in. (mm)	Sleeve Dimensions Recovered Diameter in. (mm)
HDCW 35/10-250	48416	9.8 (250)	#8 - 2/0	1.38 - 0.39 (35 - 10)	1.69 (43)	0.32 (8)
HDCW 35/10-1200	48436	47.2 (1200)	#8 - 2/0	1.38 - 0.39 (35 - 10)	1.69 (43)	0.32 (8)
HDCW 55/15-500	48421	19.7 (500)	3/0 - 400	2.17 - 0.59 (55 - 15)	2.68 (58)	0.59 (15)
HDCW 55/15-1200	48437	47.2 (1200)	3/0 - 400	2.17 - 0.59 (55 - 15)	2.68 (58)	0.59 (15)
HDCW 80/25-750	48426	29.5 (750)	500 - 1000	3.15 - 0.98 (80 - 25)	3.66 (93)	0.98 (25)
HDCW 80/25-1200	48438	47.2 (1200)	500 - 1000	3.15 - 0.98 (80 - 25)	3.66 (93)	0.98 (25)
HDCW 110/30-1000	48431	39.4 (1000)	1000 - 2000	4.33 - 1.18 (110 - 30)	4.72 (120)	1.10 (28)
HDCW 110/30-1200	48439	47.2 (1200)	1000 - 2000	4.33 - 1.18 (110 - 30)	4.72 (120)	1.10 (28)
HDCW 140/40-1000	48435	39.4 (1000)	—	5.39 - 1.38 (137 - 35)	5.75 (146)	1.34 (34)
HDCW 140/40-1200	48440	47.2 (1200)	—	5.39 - 1.38 (137 - 35)	5.75 (146)	1.34 (34)

Scotchcast™ M Series Jacket Repair Kits

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3M™ Scotchcast M series kits contain a reusable wrap-around mold and accessory materials needed to make 10 permanent, flexible and moisture-resistant jacket repairs or splices of portable cable. The kit contains a wrap around mold that permits jacket repair without cutting through the cable. When used with Scotchcast 2130 resin, M series kits provide durable, flexible jacket repair. 3M series Scotchcast kits can be used with portable power cable or standard cable.

Note: Scotchcast 2130 flame-retardant compound needed to jacket the repair or splice is not included and must be ordered separately. U.S. Mine Safety and Health Administration acceptance No. P-142-5 MSHA.

Specifications and Ordering Information for M Series Jacket Repair Kits

Product Number	M-20	M-30	M-40
Cable Diameter Range	1.60 - 2.5" (41 - 64 mm)	1.85 - 4.0" (47 - 102 mm)	1.85 - 6.0" (47 - 152 mm)
Maximum Repair Length	13 - 15" (33 - 38 cm)	20" (51 cm)	32" (81 cm)
Ordering Information	**M-20**	**M-30**	**M-40**
UPC (054007-)	31392	31393	31394
Case Qty.	1 kit	1 kit	1 kit

Sealing and Grounding

Cold shrink cable accessory sealing kits are designed to seal the end of JCN cable. Use these kits when installing elbows or other cable accessories that do not include a jacket seal. 3M also offers three types of sheath sealing or breakout kits; poured resin, cold shrink and heat shrink, several heat shrink cable sealing end caps and a variety of grounding hardware.

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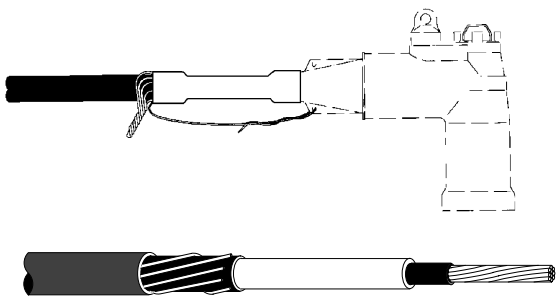
Cold Shrink 8450 Series Cable Accessory Sealing Kits

The 8450 series cold shrink cable accessory sealing kits are designed to seal the jacket end of power cables where elbows or other cable accessories are installed. Both the sealing tube and mastic are compatible with commonly used power cable jacketing and semiconductive materials.



Jacketed Concentric Neutral Cable (JCN)

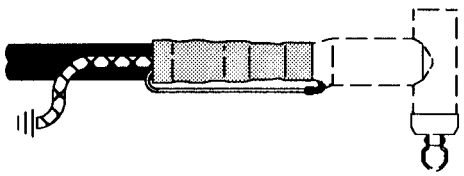
Specifications and Ordering Information for Cold Shrink 8450 Series Cable Accessory Sealing Kits

Product Number	8452	8452L	8453	8454
Cable Type	Jacketed Concentric Neutral Cable (JCN) See above for cable type illustration.			
Cable Size/Volt Class:				
Cable Size for 15 kV Class	2 - 4/0 AWG (35 - 100 mm²)	2 - 4/0 AWG (35 - 100 mm²)	2/0 AWG - 1000 kcmil (70 - 500 mm²)	750 - 1500 kcmil (380 - 725 mm²)
Cable Size for 25 kV Class	2 - 2/0 AWG (35 - 50 mm²)	2 - 2/0 AWG (35 - 50 mm²)	1/0 AWG - 750 kcmil (60 - 380 mm²)	600 - 1250 kcmil (325 - 625 mm²)
Cable Size for 35 kV Class	1/0 AWG (60 mm²)	1/0 AWG (60 mm²)	1/0 AWG - 500 kcmil (60 - 250 mm²)	350 - 1000 kcmil (180 - 500 mm²)
Minimum Seal Diameter	0.95" (24 mm)	0.95" (24 mm)	1.28" (33 mm)	1.60" (41 mm)
Maximum Installed Diameter	1.94" (49 mm)	1.94" (49 mm)	2.67" (68 mm)	3.50" (89 mm)
Kit Components:				
Cold Shrink Sealing Tube	1	1 (1/2" longer)	1	1
Mastic Sealing Strips 6" (152,4 mm)	3 strips	3 strips	4 strips	6 strips
Instructions	1	1	1	1
Ordering Information	**8452**	**8452L**	**8453**	**8454**
UPC (054007-)	08336	44312	09676	49938
Inner Unit Pack	1/bag	1/bag	1/bag	1/bag
Case Qty.	10 kits	10 kits	10 kits	10 kits

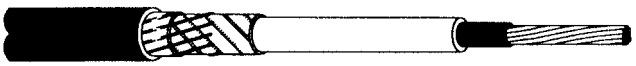
Cold Shrink 8460/8461 Shield Adapter Kit

3M™ Shield Adapter Kits are designed for grounding and sealing tape, wire and UniShield shielded power cables when using cable accessories such as elbows, modular splices and terminations.

These cold shrink kits require no heat, special tools or special skills to install. The cold shrink kits come complete with all necessary components (except the cable accessory) and are installed in a few simple steps. We've even attached a "bleeder wire" to the ground strap eliminating the need for additional wire and connectors.



Tape Shielded



Wire Shielded

UniShield®

Specifications and Ordering Information for Cold Shrink 8460/8461 Shield Adapter Kits

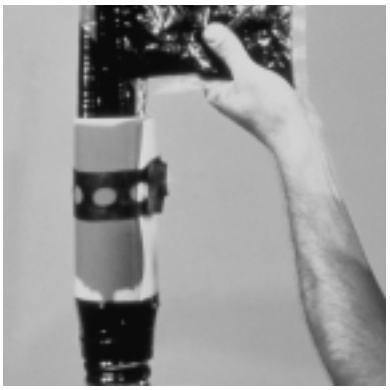
Product Number	8460	8461
Cable Type	Tape Shielded, Wire Shielded, Unishield® See above for cable type illustration.	
Cable Size/Volt Class:		
Cable Size for 15 kV Class	2 - 350 kcmil (35 - 180 mm²)	350 - 1000 kcmil (180 - 500 mm²)
Cable Size for 25 kV Class	2 - 350 kcmil (30 - 180 mm²)	1/0 AWG - 750 kcmil (180 - 380 mm²)
Cable Size for 35 kV Class	2 - 250 kcmil (30 - 125 mm²)	1/0 AWG - 500 kcmil (180 - 325 mm²)
Kit Components:		
Cold Shrink Sealing Tube	1	1
Mastic Sealing Strips 6" (152,4 mm)	3 strips	3 strips
Constant Force Spring	1	1
Preformed Ground Braid/Bleeder Wire	1	1
Scotch® 13 Semi-Conductive Tape	1 strip	1 strip
Instructions	1	1

Ordering Information	8460	8461
UPC (054007-)	41458	41459
Inner Unit Pack	1/bag	1/bag
Case Qty.	10 kits	10 kits

3M™ Sheath Seal Kits for Multi-conductor Cable

3M offers three types of sheath sealing or breakout kits: poured resin, cold shrink and heat shrink. 3M offers two types of heat shrink cable sealing and caps and a variety of grounding hardware.

3M 5831 and 5832 Sheath Seal Kits



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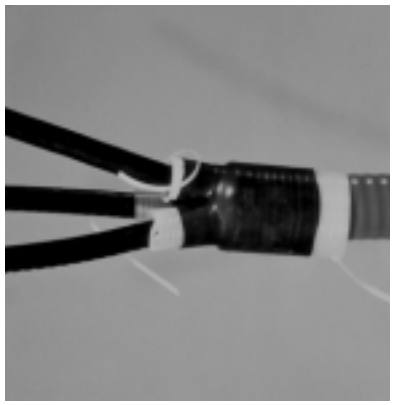
3M Sheath Seal Kits 5831 and 5832 are designed to seal the sheath area for multiconductor cables with or without ground wires. They will handle copper or aluminum cables from #2 AWG through 500 kcmil (35-250 mm²). For kit contents, see chart below. Each kit makes one seal.

Cold Shrink 5841 and 5842 Sheath Seal Kits



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3M Cold Shrink Sheath Seal Kits 5841 and 5842 are designed to seal the sheath area for three conductor cables without ground wires. They will handle copper or aluminum cable from #2 AWG through 500 kcmil (35-250 mm²). No heat is required when using these kits. For kit contents, see chart below. Each kit makes one seal.

Specifications and Ordering Information for Sheath Seal Kits

Product Number	5831	5832	5841	5842
	Each kit makes one seal			
Conductor Size	2-3/0 AWG (35 - 80 mm²)	4/0 AWG - 500 kcmil (120 - 250 mm²)	2-4/0 AWG (35 - 100 mm²)	4/0 AWG - 500 kcmil (120 - 250 mm²)
Maximum Jacket or Armor O.D. Range	2.6" (66 mm)	3.75" (95,2 mm)	—	—
Conductor Insulation O.D. Range	N/A	N/A	0.30 - 1.18" (8 - 30 mm)	0.77 - 1.88" (20 - 48 mm)
Cable Jacket Range	—	—	1.20 - 1.90" (30 - 48 mm)	1.80 - 3.10" (46 - 79 mm)
Kit Components:				
Molded sheath seal body	—	—	1	1
Wrap Around Mold Body	1	1	—	—
3M™ ScotchCast™ 2130	1	1	—	—
Abrasive Cloth	1	1	—	—
Scotch® Super 33+ Vinyl Electrical Tape	1	1	—	—
Scotch 130C Linerless Rubber Splice Tape	1	1	—	—
3M Scotchfil™ Electrical Insulation Putty	1	1	—	—
Instructions	1	1	1	1
Ordering Information	**5831**	**5832**	**5841**	**5842**
UPC (054007-)	12280	12281	12291	12292
Case Qty.	1 kit	1 kit	1 kit	1 kit

Note: The final determining factor for the 5831 and 5832 is the conductor insulation O.D. and the cable jacket O.D.
Note: The final determining factor for the 5841 and 5842 is the maximum jacket or armor diameter.

3M™ Heat Shrinkable Cable Breakout Boots

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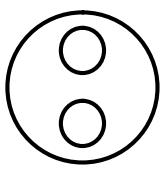
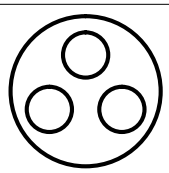
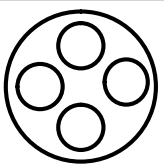
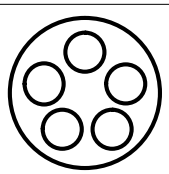
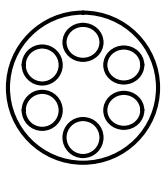
3M Heat Shrinkable HDBB cable breakout boots are designed for dependable insulating and sealing of cable breakouts in multiconductor armored or sheathed cables and conduit ends. HDBB boots are made from flame retardant, cross-linked polyolefin and meet the material requirements of MIL-I-81765-1. The boots provide excellent electrical and mechanical protection and are supplied with an internal coating of adhesive for reliable environmental sealing.

Product Referral Generator

Insulating . . . . . pg. 309
– Heat Shrink Tubing
Sealing
– Heat Shrink End Caps . . . . . pg. 299

Specifications and Ordering Information for Heat Shrinkable Cable Breakout Boots

Product Number	Cross Section	UPC (054007-)	Cable Entry End (Max. to Min.)	Conductor Legs (Max. to Min.)	Case Qty.
HDBB-205-1-250		58793	0.80 - 0.37" (20,32 - 9,40 mm)	0.33 - 0.11" (8,38 - 2,79 mm)	1 each
HDBB-210-1-250		35992*	1.20 - 0.60" (30,38 - 15,24 mm)	0.50 - 0.17" (12,70 - 4,32 mm)	1 each
HDBB-220-1-250		46654**	1.90 - 0.90" (48,26 - 22,86 mm)	0.75 - 0.30" (19,05 - 7,62 mm)	1 each
HDBB-230-1-250		35993*	3.00 - 1.50" (76,20 - 38,10 mm)	1.45 - 0.50" (38,10 - 12,70 mm)	1 each
HDBB-310-1-250		35994*	0.90 - 0.36" (2,86 - 9,14 mm)	0.33 - 0.12" (8,38 - 3,05 mm)	1 each
HDBB-320-1-250		35995*	1.20 - 0.50" (30,38 - 12,70 mm)	0.50 - 0.16" (12,70 - 4,06 mm)	1 each
HDBB-321-1-250		35996*	1,50 - 0.69" (38,10 - 17,53 mm)	0.65 - 0.18" (16,51 - 4,57 mm)	1 each
HDBB-325-1-250		35997*	1.70 - 0.90" (43,18 - 22,86 mm)	0.82 - 0.30" (20,83 - 7,62 mm)	1 each
HDBB-335-1-250		03409*	2.40 - 1.40" (60,96 - 35,56 mm)	1.25 - 0.50" (31,75 - 12,70 mm)	1 each
HDBB-340-1-250		35998*	3.20 - 2.00" (81,28 - 50,80 mm)	1.45 - 0.75" (38,10 - 19,05 mm)	1 each
HDBB-345-1-250		58794	4.90 - 2.32" (124,46 - 5,93 mm)	2.00 - 1.00" (50,80 - 25,40 mm)	1 each
HDBB-405-1-250		58795	0.90 - 0.43" (22,86 - 10,92 mm)	0.28 - 0.11" (7,11 - 2,79 mm)	1 each
HDBB-410-1-250		35999*	1.25 - 0.80" (31,75 - 20,32 mm)	0.50 - 0.19" (1,70 - 4,83 mm)	1 each
HDBB-415-1-250		58855	1.75 - 0.98" (43,18 - 24,89 mm)	0.79 - 0.28" (20,07 - 7,11 mm)	1 each
HDBB-420-1-250		36000*	2.35 - 1.00" (59,69 - 2,4 mm)	1.00 - 0.35" 25,40 - 8,89 mm)	1 each
HDBB-425-1-250		58797	2.65 - 1.40" (67,31 - 35,56 mm)	1.20 - 0.53" (30,48 - 13,46 mm)	1 each
HDBB-430-1-250		58798	5.25 - 3.00" (133,35 - 76,20 mm)	1.35 - 0.55" (34,29 - 13,97 mm)	1 each
HDBB-505-1-250		46648**	2.36 - 0.96" (59,94 - 24,38 mm)	1.18 - 0.29" (70,73 - 7,36 mm)	1 each
HDBB-605-1-250		36001*	2.39 - 1.45" (60,71 - 38,10 mm)	0.80 - 0.35" (20,32 - 8,89 mm)	1 each

*UPC prefix 051135-.
**UPC prefix 051138-.
Note: Breakout boots are flame retardant and supplied with a factory-applied sealant. Unlined boots are available on special order. All boots are black in color. Standard package is one and multiples of one.

ICEC Cable End Caps

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ICEC Heat Shrinkable Cable End Caps are medium-duty cross-linked, heat shrinkable polyolefin caps that provide a reliable method of sealing power cables, pipes or other cylindrical objects. The ICEC end caps are installed with a standard heat gun or torch. When applied, they provide a shrink-tight fit conforming to the object covered. On shrinking, an adhesive/lining will melt and bond to the cable jacket, providing an environmental seal.

Standard Color: Black.

Product Number	UPC (051135-)	Expanded/ Recovered I.D.	Length	Case Qty.
ICEC-201-A (Boxed)	03414	0.80/0.36" (20/9 mm)	2.5" (64 mm)	10 each
ICEC-201-A (Bulk)	03413	0.80/0.36" (20/9 mm)	2.5" (64 mm)	50 each
ICEC-202-A (Boxed)	03418	1.75/0.70" (44/18 mm)	3.0" (76 mm)	10 each
ICEC-202-A (Bulk)	03417	1.75/0.70" (44/18 mm)	3.0" (76 mm)	50 each
ICEC-203-A (Boxed)	03421	3.50/1.65" (89/42 mm)	4.2" (107 mm)	5 each
ICEC-203-A (Bulk)	03420	3.50/1.65" (89/42 mm)	4.2" (107 mm)	20 each

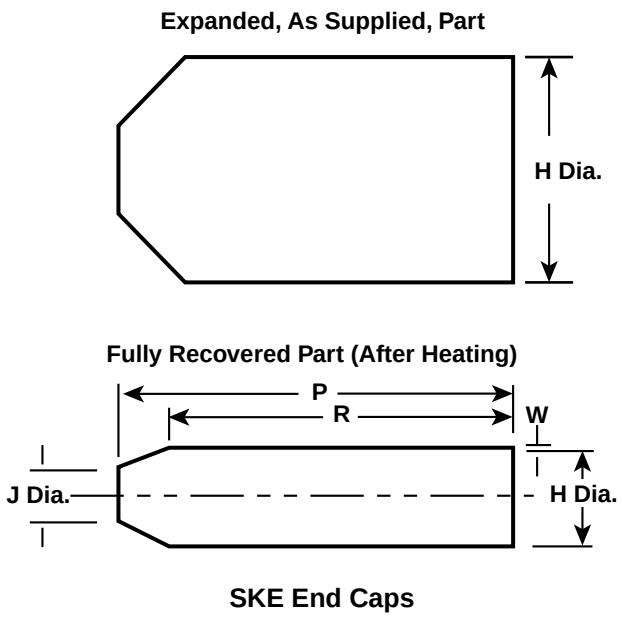
Note: End caps are supplied with a factory-applied sealant. Uncoated product is available on special order.

Heavy-Duty SKE Ends Caps

Heat Shrinkable End Caps are typically used to seal cable ends and provide moisture, mechanical and environmental protection. SKE end caps are for heavy-duty applications.

3M™ SKE end caps are manufactured from semi-rigid flame retardant, cross-linked polyolefin. They are supplied with a factory applied adhesive lining for reliable environmental sealing. Six different sizes accommodate a broad range of cable diameters.

Standard Color: Black.



SKE End Caps

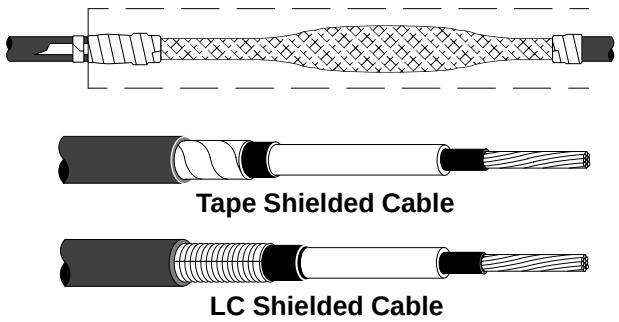
Specifications and Ordering Information for Heavy-Duty SKE End Caps

Part Number	UPC (051138-)	H Dia. Min. X	H Dia. Max. R	J Dia. Max. R	P ±10% R	R ±10% R	W ±20% R	For Cable Diameters	Case Qty.
SKE 4/10	48153	0.39 (10,0)	0.16 (4,0)	0.12 (3,0)	1.32 (33,5)	1.18 (30,0)	0.08 (2,0)	0.16 - 0.31 (4 - 8)	50 each
SKE 8/20	48154	0.79 (20,0)	0.30 (7,5)	0.26 (6,5)	2.18 (55,3)	1.97 (50,0)	0.09 (2,3)	0.31 - 0.43 (8 - 11)	50 each
SKE 15/40	48155	1.57 (40,0)	0.59 (15,0)	0.41 (10,5)	3.54 (90,0)	3.15 (80,0)	0.12 (3,0)	0.59 - 1.26 (15 - 32)	10 each
SKE 25/63	48156	2.48 (63,0)	0.98 (25,0)	0.63 (16,0)	5.63 (143,3)	5.12 (130,0)	0.13 (3,3)	1.00 - 1.97 (25 - 50)	10 each
SKE 30/76	48157	2.99 (76,0)	1.18 (30,0)	0.67 (17,0)	6.22 (158,0)	5.91 (150,0)	0,16 (4.0)	1.18 - 2.36 (30 - 60)	10 each
SKE 45/100	48158	3.94 (100,0)	1.77 (45,0)	1.02 (26,0)	6.40 (162,5)	5.50 (140,0)	0.16 (4,0)	1.77 - 3.15 (45 - 80)	10 each

NOTES:

1. All dimensions in both inches and metric - all angles in degrees.
2. Dimensions in table: X= Expanded (Minimum) R= Recovered (Maximum)
3. Color: Black

3M™ SG-2 and SG-3 Hi-Amp Splice Grounding Accessory Kit for 15 kV, 25 kV and 35 kV



3M SG-2 and SG-3 Hi-Amp Splice Grounding Accessory Kit are designed to accommodate the shielding and grounding of inline splices made on LC, heavy-duty tape and conventional tape shielded power cables. The SG-2 and SG-3 designs provide a fault current capacity of 15,000 Amps for 15 cycles on 15, 25 and 35 kV class cables.

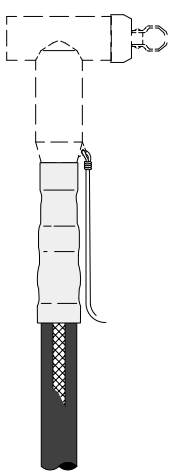
The SG-2 and SG-3 kits were designed to accommodate all 3M Quick Splice bodies as well as most other rubber-molded inline splices currently used in the electrical power distribution industry.

The SG-2 and SG-3 copper screen sleeves are applied over molded rubber splices on cables with shield diameters ranging from 1.25" (32,0 mm) to 2.25" (57,2 mm). In most cases this will include conductor sizes between 350 kcmil and 1000 kcmil and voltage classes of 15 kV through 35 kV. The SG-2 and SG-3 copper screen sleeves and the preformed ground connection braid have a capacity greater than that of #4 AWG copper wire and are fault current rated at 15,000 amps for 15 cycles. The SG-3 Kit has a larger CMA (greater than 2AWG) copper screen sleeve and two constant force springs per end. This provides additional neutral current capacity.

Following SG-2 and SG-3 component installation, 3M Cold Shrink SJ-1A, SJ-2A, SJ-3A, heat shrink HSJ series or Scotch® rubber mastic and vinyl tape systems are the recommended choices for sealing and rejacketing the installed, shielded splice. Each kit provides shielding and grounding for one splice.

Refer to the ordering table on page 301 for cable and accommodation. Final determining factor, for cables not specified, is a shield diameter range from 1.25" (32,0 mm) minimum through 2.25" (57,2 mm) maximum.

3M 8473 Hi-Amp Accessory Grounding Kit for 15, 25 and 35 kV

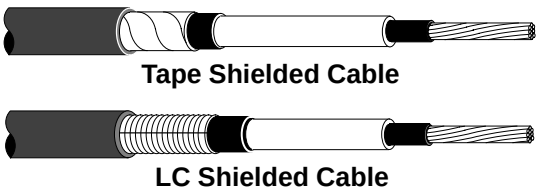


3M 8473 Hi-Amp Accessory Grounding Kit is designed to accommodate the grounding of accessories installed on LC, heavy-duty tape and conventional tape-shielded power cables. The 8473 design provides a fault current capacity of 15,000 Amps for 15 cycles on 15 kV, 25 kV and 35 kV class cables.

Product application range for the 8473 kit includes cable sizes from 350 kcmil through 1000 kcmil in 15 kV through 35 kV voltage classes as indicated in the table on page 301.

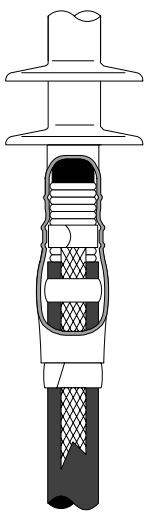
The 8473 kit was designed to be used with 600-Amp elbows and other accessories where cable jacket-to-accessory sealing and high-ampacity grounding is desired.

The 8473 preformed ground braid has a fault current capacity of 15,000 Amps for 15 cycles with an equivalent cross-sectional area greater than #4 AWG copper wire. Each kit provides grounding and sealing for one accessory.



Refer to the ordering table on page 301 for cable accommodation. Final determining factor, for cables not specified, is a shield diameter range from 1.25" (32,0 mm) minimum through 2.25" (57,2 mm) maximum.

3M GSHA-8 QT-II Hi-Amp Grounding Accessory Kit for 15, 25 and 35 kV

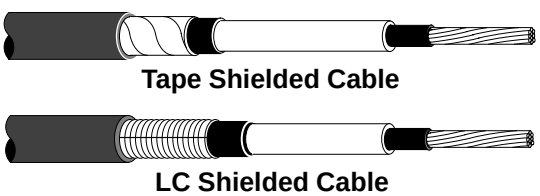


3M GSHA-8 QT II termination grounding accessory kit is designed to accommodate the grounding of terminations made on LC, heavy-duty tape and conventional tape-shielded power cables. The GSHA-8 QT II design provides a fault current capacity of 15,000 Amps for 15 cycles on 15 kV, 25 kV and 35 kV class cables.

The GSHA-8 kit is designed to be used in conjunction with 3M QT-II terminations in applications where high-ampacity grounding is desired.

The GSHA-8 product will accommodate cable sizes ranging from 350 kcmil through 1000 kcmil and voltage classes of 15 kV through 35 kV. The performed ground braid contained in the GSHA-8 kit has a fault current capacity of 15,000 Amps for 15 cycles. Each kit provides shielding and grounding for one termination.

Refer to the ordering table on page 301 for cable information. Final determining factor, for cables not specified, is a shield diameter range from 1.25" (32,0 mm) minimum through 2.25" (57,2 mm) maximum.



3M™ 2252 Cable Grounding Kit

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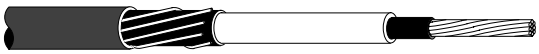
3M 2252 Cable Grounding Kit provides a simple yet reliable and secure method for grounding and resealing the jacket of power cables. The kits are designed for use with JCN power cables ranging from #2 AWG to 4/0, through 35 kV.



Jacketed Concentric Neutral Cable (JCN)

Note: REA acceptance listed in REA Bulletin 43-5.

Specifications and Ordering Information for 3M Sealing and Grounding Products 15 kV, 25 kV and 35 kV

Product Number	SG-2	SG-3	8473	GSHA-8	2252
Cable Type	Tape Shielded Cable, LC Shielded Cable See page 220 for cable type illustration.				Jacketed Concentric Neutral Cable (JCN). See above for cable type illustration.
	Each kit provides grounding and sealing for 1 splice or termination				
Shield O.D. Range	1.25 - 2.25" (132,0 - 52,2 mm)	1.25 - 2.25" (132,0 - 52,2 mm)	1.25 - 2.25" (132,0 - 52,2 mm)	1.25 - 2.25" (132,0 - 52,2 mm)	—
Conductor Range	350 - 1000 kcmil	350 - 1000 kcmil	350 - 1000 kcmil	350 - 1000 kcmil	2 - 4/0 AWG (35 - 100 mm^2)
Circular Mil Area	61,000	72,000	—	—	—
Kit Contents:					
PST Cold Shrink Tube	—	—	1	—	—
Roll of Scotch® 13 Semiconducting Tape	—	—	—	1	—
Roll of Scotch 2228 Rubber Mastic Tape	—	—	—	—	1
Roll of Scotch Super 33+ Vinyl Electrical Tape	—	—	—	—	1
Tin-plated copper "C" connector	—	—	—	—	1
10" (25,4 cm) Length of tin plated copper braid	—	—	—	—	1
Copper screen sleeve	1	1	—	—	—
Mastic seal strip	3	3	1	1	1
Constant-force spring	2	4	1	1	1
Preformed ground braid	1	1	1	1	—
Instructions	1	1	1	1	1
Ordering Information	**SG-2**	**SG-3**	**8473**	**GSHA-8**	**2252**
UPC (054007-)	50041	41511	50043	50042	08335
Case Qty.	10 each	10 each	10 each	10 each	10 each

3M™ GS Series Ground Strap Assembly

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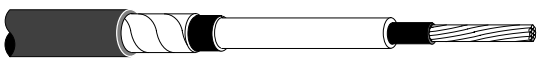
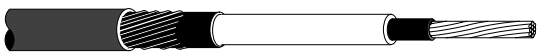
3M GS series ground strap assembly kit is designed for grounding tape- and wire-shielded power cables. Check that cable conductor size matches the ground strap assembly shown in the ordering table below. Each kit contains three spring and strap connecting assemblies.



Tape Shielded Cable



Wire Shielded Cable

Specifications and Ordering Information for 3M GS Series Ground Assembly

Product Number	GS-1	GS-2	GS-3
Cable Type	Jacketed URD Cable (JCN) See above for cable type illustration.		
Strap Length x Width	4.75" x 0.31"	7.12" x 0.62"	6.87" x 0.62"
Conductor Size:			
5 kV-100% 90 mils	8 - 3/0 (10 - 80)	2/0 - 750 (70 - 325)	600 - 2000 (325 - 1000)
5 kV-133% 8 kV -100% 115 mils	8 - 1/0 (10 - 50)	1/0 - 750 (60 - 325)	500 - 2000 (300 - 1000)
8 kV-133% 140 mils	8 - 1 (10 - 38)	1 - 600 (50 - 300)	400 - 1750 (240 - 850)
15 kV- 100% 175 mils	—	2 - 500 (35 - 250)	350 - 1750 (180 - 850)
15 kV- 133% 220 mils	—	2 - 350 (35 - 180)	250 - 1500 (125 - 725)
25 kV 260 mils	—	2 - 400 (35 - 200)	3/0 - 1000 (95 - 500)
35 kV 345 mils	—	1/0 - 300 (60 - 150)	1/0 - 750 (60 - 325)
Ordering Information	**GS-1**	**GS-2**	**GS-3**
UPC (054007-)	33976	33977	33978
Inner Unit Pack	3/bag	3/bag	3/bag
Case Qty.	9 each	9 each	9 each

Product Information for Constant Force Springs

Product Number	CFS-0.47/0.78	CFS-0.80/1.50	CFS-1.00/2.20	CFS-1.50-3.00	CFS-1.50/3.00W	CFS-1.80/4.00
Application Range						
Min. (in./mm)	0.50 (12,7)	0.80 (20,3)	1.00 (25,4)	1.50 (38,1)	1.50 (38.1)	1.80 (45,7)
Max. (in./mm)	0.75 (19,0)	1.50 (38,1)	2.20 (56,0)	3.00 (76,2)	3.00 (76,2)	4.00 (101.6)
Width (in./mm)	0.500 (12,7)	0.625 (15,9)	0.625 (15,9)	0.625 (15,9)	0.750 (19,0)	0.625 (15,9)
STD. Carton	30	30	30	9	9	9
UPC (054007-)	42372	42374	42375	42376	42378	42379

Insulating and Sealing Compounds

Scotchcast™ insulating and sealing compounds are compatible with most cable insulations and jackets and accommodate many splices including odd-shaped connectors. These compounds feature a high degree of mechanical strength and provide moisture resistance for above ground and buried applications.

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Product Information for Scotchcast Insulating and Sealing Compounds

	Product Number	Description	Gel Time @ 73° (23°C)	Energize Time	Used in these 3M Kits	Maximum Operating Temperature	Color
	Scotchcast 4 Electrical Insulating Resin	PERMANENT rigid, hard material insulating up to 8 kV jacketing up to 69 kV epoxy	16 mins.	45 min.*	82-A series 82-B1 85-14CP 90-B1	194°F (90°C) continuous 266°F (130°C) overload 482°F (250°C) intermittent	Black
	Scotchcast 2104 Electrical Insulating and Sealing Compound	PERMANENT semi-flexible 1000 volts max. polyurethane	18 mins.	Immediately	72-N 85 series	194°F (90°C) continuous 266°F (130°C) overload	Dark Green
	Scotchcast 2112 Reenterable Electrical Insulating Resin	REENTERABLE flexible polybutadiene	69 mins.	Immediately	78-R series	194°F (90°C) continuous 266°F (130°C) overload	Amber, Transparent
	Scotchcast 2130 Flame Retardant Compound	FLAME RETARDANT semi-flexible 5000 volts max. Permanent urethane MSHA P-142-5	15 mins.	Immediately	5750, 5760, 5831, 5832, 82-F1, 82-F2, 82-BF1, M-20, -30, -40	194°F (90°C) continuous 266°F (130°C) overload	Black
	Scotchcast 2135 Wet-Niche Potting Compound	FLEXIBLE wet niche putty urethane	15 mins.	Immediately		UL Listed 2L02 220°F (105°C)	Black

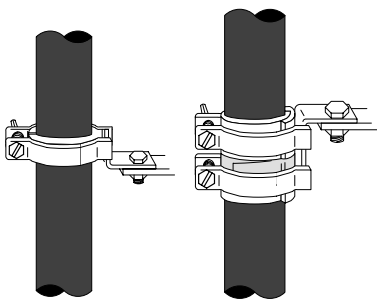
*At 73°F (23°C) and cooler temperatures, resin will cure slower. Do not energizer until resin has cooled and solidified.

Specifications and Ordering Information for Scotchcast™ Resins

Product Number	UPC (054007-)	Size/Type of Package	Inner Unit Pack	Case Qty.
Scotchcast 4 Electrical Insulating Resin				
4	43165	A/3.2 oz. (90 g) 4.8 cu. in. (78,6 cu. cm)	1/box	10 each
4	43166	B/7.4 oz. (209 g) 11.2 cu. in. (183,5 cu. cm)	1/box	10 each
4	43167	C/14.7 oz. (418 g) 22.3 cu. in. (365,4 cu. cm)	1/box	10 each
4	04206	D/22.2 oz. (630 g) 33.6 cu. in. (550,6 cu. cm)	1/box	10 each
4	04207	E/10.4 oz. (294 g) 15.7 cu. in. (257,2 cu. cm)	1/box	10 each
Scotchcast 2104 Electrical Insulating and Sealing Compound				
2104	31189	A/3.46 oz. (98 g) 5.7 cu. in. (93,4 cu. cm)	1/box	10 each
2104	31382	B/7.4 oz. (210 g) 12.6 cu. in. (206,4 cu. cm)	1/box	10 each
2104	31383	C/14.82 oz. (420 g) 25.4 cu. in. (416,2 cu. cm)	1/box	10 each
2104	11849	D/23.8 oz. (675 g) 40.8 cu. in. (668,5 cu. cm)	1/box	10 each
Scotchcast 2112 Reenterable Electrical Insulating Compound				
2112	42049	C/12.3 oz. (350 g) 23.7 cu. in. (338,3 cu. cm)	1/box	10 each
2112	42050	D/21.2 oz. (600 g) 40.6 cu. in. (665,3 cu. cm)	1/box	10 each
Scotchcast 2130 Flame Retardant Compound				
2130	31401	B/7.6 oz. (216 g) 10.7 cu. in. (175,3 cu. cm)	1/box	10 each
2130	31402	C/21.7 oz. (616 g) 30.5 cu. in. (499,8 cu. cm)	1/box	10 each
2130 Part A	50237	A/5 gal. (18,93 L)		45
2130 Part B	50238	B/5 gal. (18,93 L)		54
2135 Wet-Niche Potting				
2135	69798	F/1.83 oz. (52,5 g) 3.3 cu. in. (54,0 cu. cm)	1/box	10 each
2135M Cable Repair Compound				
2135M	50433	F/1.83 oz. (52,5 g) 3.3 cu. in. (54,0 cu. cm)	1/bag	10 each

Hardware Accessories

3M™ MB and MBS Series Mounting Brackets



The MB and MBS Series Mounting Brackets have been designed to mount 3M's molded rubber terminations. These brackets are attached to the cable just below the termination. This provides a tongue that can then be attached to an MB-1 mounting bracket or to any other support. The MB series brackets are made from galvanized steel. The MBS series are made from stainless steel to provide additional corrosion protection in highly contaminated environments.

3M MB-1 Cross-Arm Mounting Bracket

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3M MB-1 is a cross-arm bracket for use in holding terminated cable. The MB-1 is ideal to use when ordering the MB or MBS termination mounting brackets featured on this page.

Specifications and Ordering Information for 3M Hardware Accessories

Product Number	UPC (054007-)	Cable O.D. Range	Inner Unit Pack Qty.	Case Qty.
MB-3	14754	0.80 - 1.25" (20 - 32 mm)*	1/bag	10 each
MB-4	14755	1.10 - 1.50" (28 - 38 mm)	1/bag	10 each
MB-5**	08200	1.45 - 1.95" (37 - 50 mm)	1/bag	10 each
MB-6**	08286	1.80 - 2.40" (46 - 61 mm)	1/bag	10 each
MB-1	11230	—	1/bag	10 each
MBS-4**	49685	1.10 - 1.70" (28 - 43 mm)	1/bag	10 each
MBS-5**	49686	1.45 - 1.95" (37 - 50 mm)	1/bag	10 each
MBS-6**	49687	1.80 - 2.40" (46 - 61 mm)	1/bag	10 each

*Caution: Use cable O.D., not insulation O.D. for determining the proper size.
**Has double clamps.

Metal Clad Jacketed Cable Connectors – Connector Cross Reference

Trade Size (inches) (NPT Size)	Cable Jacket Range inches Min.	Max.	Crouse-Hinds (TMC or TMCX)	Appleton	T & B	O-Z/Gedney
1/2	0.46	0.71	TMCX165	TMCX6550	ST050-462, ST050-464	JMC-50-71
3/4	0.65	0.93	TMCX285	TMCX8875	ST075-467, ST075-468	JMC-75-115
1	1.10	1.45	TMCX3112	TMCX118100	ST100-469	JMC-100-145
1-1/4	1.37	1.79	TMCX4140	TMCX140125	ST125-470, ST125-550, ST125-471	JMC-125-179
1-1/2	1.74	2.15	TMCX5161	TMCX166150	ST150-472, ST150-473	JMC-150-215
2	2.03	2.59	TMCX6206	TMCX206200	ST200-551, ST200-474, ST200-475, ST200-476	JMC-200-259
2-1/2	2.47	3.03	TMCX7247	TMCX251250	ST250-477, ST250-478	JMC-250-303
3	2.93	3.61	TMCX8302	TMCX304300	ST300-479, ST300-480, ST300-481	JMC-300-361
3-1/2	3.55	4.23	TMCX9352	TMCX359350	ST350-482, ST350-483	JMC-350-423
4	4.05	4.73	TMCX10402	TMCX402400	ST400-484, ST400-485	JMC-400-473

CPT Series Corrosion Protection Kits

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3M™ CPT Series Cold Shrink Corrosion Protection Kits are designed to provide a quick and easy method for protecting bulkhead termination connectors from the corrosive influences of wet and salt-fog installation environments.

A CPT series assembly is an open-ended tubular rubber sleeve which is factory expanded and assembled onto a removable core. The core is removed after the assembly has been positioned for installation over a bulkhead terminator connector. Mastic strips are provided for sealing between NPT fitting threads and the enclosure in use (junction box, cabinet, panel board, etc.). CPT insulating sleeves are made of an EPDM rubber that contains no chlorides or sulfers. Ten kits accommodate 1/2" through 4" bulkhead connectors.

To extend the useful life of this product in applications where continuous exposure to high levels of ultra-violet radiation are expected, overwrap with Scotch® Super 33+ or Scotch 70 Silicone Tape.

Features:

- Simple installation, requires no tools
- Accommodates a wide range of connectors and
- No torches or heat required
- Good thermal stability
- Seals tight, retains its resiliency and pressure after prolonged years of aging and exposure
- Excellent wet electrical properties
- Salt spray resistant. Meets requirements of ASTM B287, in a 5% salt solution with a 3.0-3.1 pH
- Water-resistant. Meets the water seal requirements of ANSI C119.1
- Resists fungus
- Resists acids, alkalies and ozone

CPT Series Corrosion Protection Kit Sizing Guide

Product Number (NPT size)	UPC (054007-)	Cable O.D. (Minimum) in. (mm)	Connector		Inner Unit Pack	Case Qty.
			Maximum O.D. in. (mm)	Maximum Installed Length in. (mm)		
CPT-1/2	43021	0.50 (13)	1.60 (41)	4.50 (114)	each	10
CPT-3/4	43022	0.66 (17)	1.90 (48)	4.80 (122)	each	10
CPT-1	43023	0.66 (17)	2.20 (56)	4.80 (122)	each	10
CPT-1-1/4	43024	1.22 (31)	2.65 (67)	4.80 (122)	each	10
CPT-1-1/2	43025	1.40 (36)	3.00 (76)	5.50 (140)	each	10
CPT-2	43026	1.68 (43)	3.60 (91)	6.50 (165)	each	10
CPT-2-1/2	43027	1.97 (50)	4.30 (109)	8.50 (215)	each	5
CPT-3	43028	2.60 (66)	5.40 (137)	8.50 (215)	each	5
CPT-3-1/2	43029	2.90 (74)	6.00 (152)	10.0 (254)	each	5
CPT-4	43030	2.90 (74)	6.00 (152)	10.5 (267)	each	5

Preparation and Cleaning

Scotch-Brite™ 07440 Series Hand Pads

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3M™ Scotch-Brite pads make the toughest cleaning jobs easier. These pads are so versatile they will out-perform steel wool, wire brushes, sandpaper and other nonwoven surface conditioning products and can be used with water or solvents. They resist tearing, splintering, shredding and loading and will never rust.

All Scotch-Brite pads measure 6 x 9" (152 x 228 mm). Blending Pads are made of a coarse mineral abrasive. General Purpose Pads are reusable—they rinse clean and are constructed of a nylon web. Ultra Fine Pads are highly conformable.

Select the Scotch-Brite pads for your specific abrasion needs and carry them with you everywhere you work. You can use them on virtually any surface material, including all kinds of metals, plastics, composites, ceramics, porcelain, glass and rubber.

3M CC Series Cable Cleaning System

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3M CC cable cleaning system cleans cable insulation, metal, electrical and mechanical parts. It can be used for PCB cleanup and in parts cleaners for degreasing. CC series solvent is also suitable for use on transformers, generators, motors and metal parts of all sorts. It removes surface oils, tars and heavy greases. Use of solvent on carbon-containing semiconductive surfaces such as cable insulation shields is not recommended.

CC series solvent can effectively replace 1.1.1-trichlorethane and other hazardous solvents. Neither CC series solvent nor its ingredients are presently subject to regulations that would inhibit shipping, packaging or applications.

CC-Dry contains three each 4 x 8" (102 x 203 mm) lintless non-woven pads packed in a bag. These are used for drying the common citrus cable cleaner (CC series) off of cable installation when preparing cable. The CC-2-Dry Kit contains a CC-2 Kit and three each dry lintless pads.

Product Information for Scotch-Brite 07440 Series Hand Pads

Product Number	7446-Blending Pads	7447-General Purpose Pads	7448 Ultra Fine Pads
Features	• Hand blending and finishing stainless steel and aluminum • Light oxide removal • Paint removal • Wood highlighting	• Scuff sanding, cleaning, finishing and deburring • Use for car reconditioning — cleaning upholstery, headliners, white-wall tires, door pads and chrome • Deburring metals and ceramics • Cleaning machinery	• Light duty — ideal for cosmetic cleaning and creating consistent finishes
Electrical Applications	• Cleaning cable jackets, insulation and conductors • Cleaning and polishing bus bar • Cleaning insulators and cable accessories • Rust removal from metal cabinets • Relay contact cleaning • Battery connections		
Color	Gray	Maroon	Gray
Size	6 x 9" (152 x 228 mm)	6 x 9" (152 x 228 mm)	6 x 9" (152 x 228 mm)
Ordering Information	**7446-Blending Pads**	**7447-General Purpose Pads**	**7448 Ultra Fine Fads**
UPC (048011-)	04051	04029	04028
Pads/Box	10	20	20
Case Qty.	4 boxes	3 boxes	3 boxes

Specifications and Ordering Information for 3M CC Series Cable Cleaning System

Product Number	CC-2	CC-DRY	CC-2-DRY	CC-3	CC-4
Description	Cable Cleaning Preparation Kit	Cable Cleaning Pads	Cable Cleaning Pads and Kit	Cable Cleaning Pad Kit	Cable Cleaning Solvent (quart bottle)
UPC (054007-)	49563	43415	43414	49564	49565
Case Qty.	10 each	10 each	10 each	10 each	4 each

Scotch® A-3 Electrician's Abrasive Roll

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Scotch A-3 is a 120-grit, closed-coat aluminum oxide strip, which is nonconductive and flexible. It is packaged in a dispenser-type box.

Product Number	UPC (054007-)	Size/Type of Package	Inner Unit Pack	Case Qty.
A-3	11560	1" x yd./Grit 120J (25,4 mm x 22,7 m)	1/box	5 rolls

Heat Shrinkable Products

- **Heavy-Wall Tubing** pg. 311
- **Medium-Wall Tubing** pg. 314
- **Thin-Wall Tubing** pg. 316
- **Adhesive-Lined Tubing** pg. 321
- **Bus Bar Tubing** pg. 323

3M offers a full line of heat shrinkable tubing and devices. If the product, product size or product length you need is not listed in this catalog, contact your 3M Electrical Products distributor or sales representative for a quote.

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3M™ Heat Shrink Tubing Selector Guide

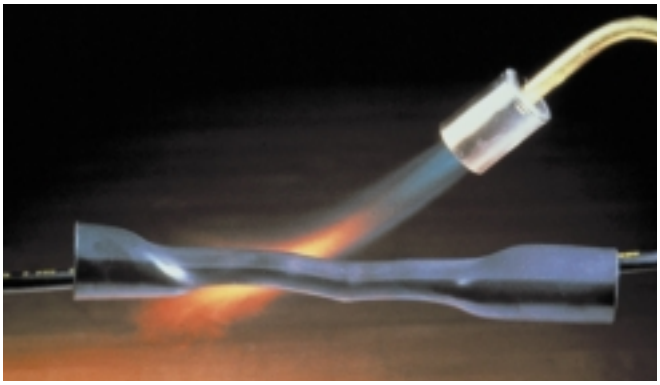
Product	Material/Typical Applications	Application Specifications
Thin-Wall Tubings		
FP-301	Flexible Polyolefin (2:1 Shrink) tubing for general purpose insulation; identification; UL, CSA and MIL-I-23053/5 applications; cable and component covering (black, white, red, blue, clear, green and yellow). Rated to 135°C.	MIL-I-23053/5, Class 1 and 2; AMS-3636; AMS-3637;File E39100; CSA LR38227
Kynar®	Semi-rigid, thin-wall (2:1 Shrink) heat-resistant transparent insulation and marking for electronic and appliance applications. Rated to 175°C.	MIL-DTL-23053/18, Class 1; MIL-DTL-23053/8; AMS-3632; UL File E-39100, VW-1, E69751; CSA LR38227 OFT
Thin-Wall Adhesive-Lined		
EPS-300	Flexible, polyolefin tubing (3:1 Shrink) with adhesive; insulation, strain relief and environmental protection for automotive and marine wire bundles and splices. (black). Rated to 110°C.	MIL-I-23053/4, Class 3; File 15227
MW	Semi-rigid, polyolefin tubing (2.5:1 Shrink) with adhesive; insulation strain relief and sealing electrical connections and electrical components. (black). Rated to 110°C.	MIL-I-23053/4, Class 1; AMS-3534 File 15227
Medium-Wall		
IMCSN	Adhesive lined, medium wall polyolefin (3:1 Shrink). Split resistant tubing for electrical splices, connections; moisture seals and mechanical protection. Rated to 1000V. (black)	
MDT	Adhesive lined, thick wall polyolefin (3:1 Shrink). Flame-retardant, split resistant tubing for electrical splices, connections; mechanical and abrasion resistance. Rated to 1000V. (black, not printed)	MIL-I-23053/15, Class 1
Heavy-Wall		
ITCSN	Adhesive lined, thick wall polyolefin (3:1 Shrink), split resistant tubing for electrical splices, connections; mechanical and abrasion resistance. Rated to 1000V. (black)	UL 486D, File E102356
HDT	Adhesive lined, medium wall polyolefin (3:1 Shrink). Flame-retardant, split resistant, tubing for electrical splices, connections; moisture seals and mechanical protection. Rated to 1000V. (black, not printed)	MIL-I-23053/15, Class 2
Bus Bar Insulation	See page 311	Conforms to requirements of ANSI/IEEE
BBI-A		#C37.20

3M™ Heat Shrink Tubing Selector Guide

	FP-301	MW	EPS-300	IMCSN
Typical Properties				
Operating Temperature Range	131°F to +275°F (-55°C to +135°C)	131°F to +230°F (-55°C to +110°C)	131°F to +230°F (-55°C to +110°C)	131°F to +230°F (-55°C to +110°C)
Shrink Temperature (Min.)	212°F (100°C)	275°F (135°C)	250°F (121°C)	250°F (121°C)
Shrink Ratio	2:1	2.5:1	3:1	3:1
Standard Sizes Expanded Diameter	3/64" to 4" (1,19 to 101,6 mm)	1/8" to 1" (3,18 to 25,4 mm)	1/8" to 1 1/2" (3,18 to 38,1 mm)	0.400" to 6" (10,16 to 152,4 mm)
Dielectric Strength (V/Mil)	900	900	700	500
Volume Resistivity (ohm-cm)	10^{15}	10^{15}	10^{14}	10^{14}
Tensile Strength (psi)	2400	2200	2100	2400
Elongation (%)	400	400	450	450
Longitudinal Change (± %)	±5%	+1, -10%	+1, -15%	+1, -10%
Specific Gravity	1.3	1.0	1.3	1.28
Flammability	Self-extinguish meets UL 224 flame test except clear	n/a	Outer Jacket Self-extinguish meets UL 224 flame test	N/A
Corrosive Effect	Non-corrosive	Non-corrosive	Non-corrosive	Non-corrosive
Abrasion Resistance	Good	Good	Good	Good
Fuel & Oil Resistance	Good	Good	Good	Good
Solvent Resistance	Excellent	Excellent	Good	Excellent
Resistance to Acids & Alkalis	Excellent	Excellent	Excellent	Excellent

	ITCSN	HDT	MDT	Kynar®
Typical Properties				
Operating Temperature Range	131°F to +230°F (-55°C to +110°C)	131°F to +230°F (-55°C to +110°C)	131°F to +230°F (-55°C to +110°C)	-67°F to +347°F (-55°C to +175°C)
Shrink Temperature (Min.)	250°F (121°C)	250°F (121°C)	250°F (121°C)	347°F (175°C)
Shrink Ratio	3:1	3:1	3:1	2:1
Standard Sizes Expanded Diameter	0.400 to 4.30" (10,16 to 152,4 mm)	0.300 to 7.00" (7,62 to 177,8 mm)	0.400 to 4.30" (10,16 to 152,4 mm)	3/64 to 2" (1,19 to 50,8 mm)
Dielectric Strength (V/Mil)	500	500	500	900
Volume Resistivity (ohm-cm)	10^{14}	10^{14}	10^{14}	10^{14}
Tensile Strength (psi)	2400	2400	2400	5500
Elongation (%)	475	475	475	350
Longitudinal Change (± %)	+1, -10%	+1, -10%	+1, -10%	+1, -10%
Specific Gravity	1.28	1.28	1.28	1.7
Flammability	N/A	Flame-retardant	Flame-retardant	Self-extinguish meets UL 224 VW-1 Test
Corrosive Effect	Non-corrosive	Non-corrosive	Non-corrosive	Non-corrosive
Abrasion Resistance	Good	Good	Good	Excellent
Fuel & Oil Resistance	Good	Good	Good	Excellent
Solvent Resistance	Good	Good	Good	Excellent
Resistance to Acids & Alkalis	Excellent	Excellent	Excellent	Excellent

Heavy-Wall Tubing



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3M™ ITCSN Heavy-Wall Cable Sleeves for 1 kV

Shrink Ratio 3:1

3M ITCSN heat shrinkable cable sleeves provide reliable performance for electrical splices, connections and terminations, as well as mechanical and environmental protection. ITCSN heavy-wall cable sleeves are cross-linked polyolefin. They are highly split resistant and fast shrinking to provide rapid installation. The cut-to-length sleeves come standard with a factory-applied adhesive/sealant. Order any of several packaging choices or look for the counter merchandiser assortment at a 3M authorized distributor. Rated to 1 kV, UL Listed 486 D for 600V. File Number E102356. CSA rating.

When ordering, please specify boxed, bulk, tamper evident bag or merchandising display to assure proper pricing.

Specification and Ordering Information for 3M ITCSN Cut Lengths (Black Only)

Product Number	UPC (054007-) Boxed	Bulk	Typical Cable Range	Expanded/ Recovered I.D.	Length	Case Qty Boxed	Bulk	Certifications and Listings
ITCSN-0400-6	08887	08963	12–6 AWG (4–10 mm²)	0.40/0.15" (10,2/3,8 mm)	6" (15,2 cm)	25 pieces	100	UL E102356, CSA
ITCSN-0400-48	08902	08964	12–6 AWG (4–10 mm²)	0.40/0.15" (10,2/3,8 mm)	48" (121,9 cm)	5 pieces	20	UL E102356, CSA
ITCSN-0800-6	40067	08965	8–1/0 AWG (10–50 mm²)	0.80/0.20" (20,3/5,1 mm)	6" (15,2 cm)	25 pieces	100	UL E102356, CSA
ITCSN-0800-9	08890	08966	8–1/0 AWG (10–50 mm²)	0.80/0.20" (20,3/5,1 mm)	9" (22,9 cm)	25 pieces	100	UL E102356, CSA
ITCSN-0800-12	08889	08967	8–1/0 AWG (10–50 mm²)	0.80/0.20" (20,3/5,1 mm)	12" (30,5 cm)	25 pieces	100	UL E102356, CSA
ITCSN-0800-48	08903	08968	8–1/0 AWG (10–50 mm²)	0.80/0.20" (20,3/5,1 mm)	48" (121,9 cm)	5 pieces	20	UL E102356, CSA
ITCSN-1100-6	08894	08969	2–4/0 AWG (35–95 mm²)	1.10/0.37" (27,9/9,4 mm)	6" (15,2 cm)	25 pieces	100	UL E102356, CSA
ITCSN-1100-9	08893	08970	2–4/0 AWG (35–95 mm²)	1.10/0.37" (27,9/9,4 mm)	9" (22,9 cm)	25 pieces	100	UL E102356, CSA
ITCSN-1100-12	08892	08971	2–4/0 AWG (35–95 mm²)	1.10/0.37" (27,9/9,4 mm)	12" (30,5 cm)	10 pieces	100	UL E102356, CSA
ITCSN-1100-48	08904	08972	2–4/0 AWG (35–95 mm²)	1.10/0.37" (27,9/9,4 mm)	48" (121,9 cm)	5 pieces	20	UL E102356, CSA
ITCSN-1500-9	08897	08973	3/0 AWG–400 kcmil (95–185 mm²)	1.50/0.50" (38,1/12,7 mm)	9" (22,9 cm)	10 pieces	50	UL E102356, CSA
ITCSN-1500-12	08896	08974	3/0 AWG–400 kcmil (95–185 mm²)	1.50/0.50" (38,1/12,7 mm)	12" (30,5 cm)	10 pieces	50	UL E102356, CSA
ITCSN-1500-48	08905	08975	3/0 AWG–400 kcmil (95–185 mm²)	1.50/0.50" (38,1/12,7 mm)	48" (121,9 cm)	5 pieces	20	UL E102356, CSA
ITCSN-2000-9	08900	08976	250–750 kcmil (150–300 mm²)	2.00/0.65" (50,8/16,5 mm)	9" (22,9 cm)	10 pieces	50	UL E102356, CSA
ITCSN-2000-12	08899	08977	250–750 kcmil (150–300 mm²)	2.00/0.65" (50,8/16,5 mm)	12" (30,5 cm)	10 pieces	50	UL E102356, CSA
ITCSN-2000-48	08906	08978	250–750 kcmil l(150–300 mm²)	2.00/0.65" (50,8/16,5 mm)	48" (121,9 cm)	5 pieces	20	UL E102356, CSA
ITCSN-3000-12	08901	08979	600–1250 kcmil (400–625 mm²)	3.00/1.00" (76,2/25,4 mm)	12" (30,5 cm)	10 pieces	50	CSA
ITCSN-3000-48	08907	08980	600–1250 kcmil (400–625 mm²)	3.00/1.00" (76,2/25,4 mm)	48" (121,9 cm)	5 pieces	20	CSA
ITCSN-4500-48	37979	08981	1500–2500 kcmil (800–1000 mm²)	4.50/1.50" (114,3/38,1 mm)	48" (121,9 cm)	5 pieces	20	CSA
ITCSN-6000-48	37980	08982	2.1–4.8" (53–122 mm²)	6.00/1.80" (152,4/45,7 mm)	48" (121,9 cm)	5 pieces	20	CSA

Note: Flame-retarded ITCSF and other sizes and lengths are available subject to quote. Uncoated product is available on special order—order part number with the suffix "U".

Specification and Ordering Information for 3M™ ITCSN Tamper Evident Bags

Product Number	UPC (054007-)	Description	Expanded/ Recovered I.D.	Case Qty.	Certifications and Listings
ITCSN-0400-6 (black)	50475	6" (15,2 cm) pieces, 6 per bag	0.40/0.15" (10,2/3,8 mm)	12 packs	UL E102356 CSA
ITCSN-0400-6 (red)	38153*	6" (15,2 cm) pieces, 6 per bag	0.40/0.15" (10,2/3,8 mm)	12 packs	UL E102356
ITCSN-0800-6 (black)	50474	6" (15,2 cm) pieces, 6 per bag	0.80/0.20" (20,3/5,1 mm)	12 packs	UL E102356 CSA
ITCSN-0800-6 (red)	38154*	6" (15,2 cm) pieces, 6 per bag	0.80/0.20" (20,3/5,1 mm)	12 packs	UL E102356
ITCSN-1100-9 (black)	50473	9" (22,9 cm) pieces, 6 per bag	1.10/0.37" (27,9/9,4 mm)	12 packs	UL E102356 CSA
ITCSN-1100-9 (red)	38155*	9" (22,9 cm) pieces, 6 per bag	1.10/0.37" (27,9/9,4 mm)	12 packs	UL E102356
ITCSN-1500-9	50472	9" (22,9 cm) pieces, 3 per bag	1.50/0.50" (38,1/12,7 mm)	12 packs	UL E102356 CSA
ITCSN-2000-12	50471	12" (30,5 cm) pieces, 3 per bag	2.00/0.65" (50,8/16,5 mm)	12 packs	UL E102356 CSA

* UPC (051135-)

Specification and Ordering Information for 3M ITCSN 25-Foot Reels

Reeled sleeves come without the factory-applied adhesive/sealant.

Product Number	UPC (054007-)	Cable Range	Expanded/ Recovered I.D.	Length	Case Qty.	Certifications and Listings
ITCSN-0400-25-U	08886	12–6 AWG (4–10 mm^2)	0.40/0.15" (10,2/3,8 mm)	25' reel (762 cm)	1 reel	CSA
ITCSN-0800-25-U	08888	8–1/0 AWG (10–50 mm^2)	0.80/0.20" (20,3/5,1 mm)	25' reel (762 cm)	1 reel	CSA
ITCSN-1100-25-U	08891	2–4/0 AWG (35–95 mm^2)	1.10/0.37" (27,9/9,4 mm)	25' reel (762 cm)	1 reel	CSA
ITCSN-1500-25-U	08895	3/0 AWG–400 kcmil (95–185 mm^2)	1.50/0.50" (38,1/12,7 mm)	25' reel (762 cm)	1 reel	CSA
ITCSN-2000-25-U	08898	250–750 kcmil (150–300 mm^2)	2.00/0.65" (50,8/16,5 mm)	25' reel(762 cm)	1 reel	CSA

Note: Reels are not supplied with factory-applied adhesive/sealant.

Specification and Ordering Information for 3M ITCSN Counter Merchandiser Assortment

UPC 054007-50500, black only, case quantity 1, contents include:

Product Number	Product Length	Product Quantity	Cable Range	Expanded/ Recovered I.D.	Certifications and Listings
ITCSN-0400	6" (15,2 cm)	52	12–6 AWG (4–10 mm^2)	0.40/0.15" (10,2/3,8 mm)	UL E102356 CSA
ITCSN-0800	9" (22,9 cm)	35	8–1/0 AWG (10–50 mm^2)	0.80/0.20" (20,3/5,1 mm)	UL E102356 CSA
ITCSN-1100	9" (22,9 cm)	25	2–4/0 AWG (35–95 mm^2)	1.10/0.37" (27,9/9,4 mm)	UL E102356 CSA
ITCSN-1500	9" (22,9 cm)	12	3/0 AWG–400 kcmil (95–185 mm^2)	1.50/0.50" (38,1/12,7 mm)	UL E102356 CSA

Product Referral Generator

Tubing
– Cold Shrink . . . . . .pg. 231

Taping
– Vinyl Electrical Tape . . . . . .pg. 3

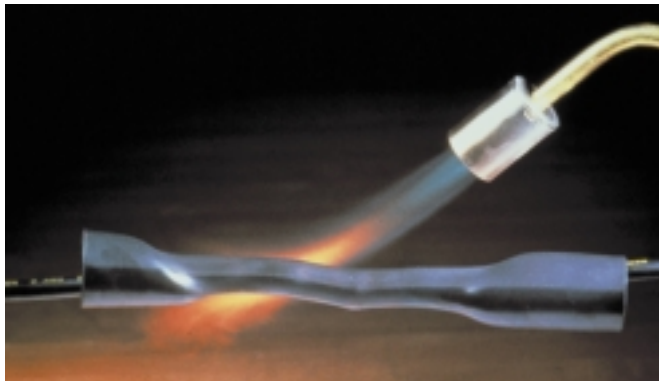
Sealing
– Resin Kit . . . . . .pg. 231

3M™ HDT Heavy-Wall Flame-Retardant Cable Sleeves for 1 kV

Shrink Ratio 3:1

3M HDT heat shrinkable cable sleeves provide reliable performance for electrical splices, connections and terminations, as well as mechanical and environmental protection. HDT heavy-wall cable sleeves are cross-linked polyolefin. They are flame-retardant, highly split resistant and fast shrinking to provide rapid installation. The 48 in. (121,9 cm) sleeves come standard with a factory-applied adhesive/sealant. Order any of several packaging choices or look for the counter merchandiser assortment at a 3M authorized distributor and are not printed. MIL-DTL-23053/15, Class 1.

Order in the size equivalent to expanded inside diameter required.



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Specification and Ordering Information for 3M HDT 4-Foot Lengths (Black Only)

Product Number	UPC (054007-)	Cable Range	Expanded/ Recovered I.D.	4' Lengths Per Case
HDT-0400-48A	40649	#12 – #6 AWG	0.40/0.15" (10,2/3,8 mm)	20
HDT-0800-48A	40650	#8 – 1/0 AWG	0.80/0.20" (20,3/5,1 mm)	20
HDT-1100-48A	40651	#2 – 4/0 AWG	1.10/0.37" (27,9/9,4 mm)	20
HDT-1500-48A	40652	3/0 – 400 MCM	1.50/0.50" (38,1/12,7 mm)	20
HDT-2000-48A	40654	250 – 750 MCM	2.00/0.65" (50,8/16,5 mm)	10
HDT-3000-48A	40655	600 – 1250 MCM	3.00/1.00" (76,2/25,4 mm)	10
HDT-4500-48A	40656	1000 – 2500 MCM	4.50/1.50" (114,3/38,1 mm)	5
HDT-6000-48A	59022	2.1" – 4.8" O.D.	6.00/1.80" (152,4/45,7 mm)	5
HDT-7000-48A	37774	2.5" – 5.6" O.D.	7.00/2.00" (177,8/50,8 mm)	5

Medium-Wall Tubing

3M™ IMCSN Medium-Wall Cable Sleeves for 1kV

3M IMCSN heat shrinkable medium-wall cable sleeves are reliable, tough performers made of split-resistant cross-linked polyolefin. Use for 1 kV splices, connections, terminations and rejacketing. They protect against mechanical and environmental dangers providing excellent abrasion, corrosion and chemical resistance. IMCSN sleeves have greater flexibility than the ITCSN, our heavy-wall version. Installation of these fast-shrinking sleeves is easy with little training necessary.

The 48" (121,9 cm) lengths come standard with a factory-applied adhesive/sealant, a thermoplastic material that remains flexible over long periods under adverse environmental conditions. During heating the sealant softens, bonds to underlying surfaces and fills small voids that might be present.

The 25' (7,62 m) reel version is uncoated. Applications include bus bar insulations and phase rejacketing.

Specification and Ordering Information for 3M IMCSN 4-Foot Lengths

Product Number	UPC (054007-)	Cable Range	Expanded/ Recovered I.D.	Cable O.D.	Case Qty.
IMCSN-0400-48A	58810	12–6 AWG (4–10 mm²)	0.40/0.15" (10,2/3,8 mm)	0.35–0.15" (9–3,3 mm)	20
IMCSN-0800-48A	58811	8–3 AWG (10–25 mm²)	0.80/0.22" (20,3/5,6 mm)	0.70–0.22" (18–5,6 mm)	20
IMCSN-1100-48A	58812	2–2/0 AWG (35–60 mm²)	1.10/0.37" (27,9/9,4 mm)	0.95–0.37" (24–9,4 mm)	20
IMCSN-1300-48A	03448*	1–4/0 AWG (50–100 mm²)	1.30/0.43" (33/10,9 mm)	1.10–0.43" (28–10,8 mm)	20
IMCSN-1500-48A	58813	1/0–250 kcmil (60–120 mm²)	1.50/0.50" (38,1/12,7 mm)	1.30–0.50" (33–12,1 mm)	20
IMCSN-1700-48A	03317*	4/0–400 kcmil (120–200 mm²)	1.70/0.60" (43,2/15,2 mm)	1.45–0.60" (37–15,2 mm)	20
IMCSN-2000-48A	58814	300–500 kcmil (185–250 mm²)	2.00/0.75" (50,8/19,1 mm)	1.75–0.75" (44,5–19,0 mm)	15
IMCSN-3000-48A	58815	600–1250 kcmil (325–625 mm²)	3.00/1.00" (76,2/25,4 mm)	2.50–1.00" (63,5–25,4 mm)	15
IMCSN-4300-48A	58809	1000–2500 kcmil (625–1000 mm²)	4.30/1.50" (109,2/38,1 mm)	3.60–1.50" (91,5–29,5 mm)	10

*UPC prefix 051135-.

Note: Flame retardant IMCSF and other sizes and lengths are available subject to quote. Uncoated product is available on special order. Order part number with suffix “u”.

Specification and Ordering Information for 3M IMCSN 25-Foot Reels

Product Number	UPC (051135-)	Cable Range	Expanded/ Recovered I.D.	Cable O.D.	Case Qty.
IMCSN-0400-25U	03481	12–6 AWG (4–10 mm²)	0.40/0.15" (10,2/3,8 mm)	0.35–0.15" (9–3,3 mm)	1 reel
IMCSN-0800-25U	03482	8–3 AWG (10–25 mm²)	0.80/0.22" (20,3/5,6 mm)	0.70–0.22" (18–5,6 mm)	1 reel
IMCSN-1100-25U	03483	2–2/0 AWG (35–60 mm²)	1.10/0.37" (27,9/9,4 mm)	0.95–0.37" (24–9,4 mm)	1 reel
IMCSN-1300-25U	03484	1–4/0 AWG (50–100 mm²)	1.30/0.43" (33/10,9 mm)	1.10–0.43" (28–10,8 mm)	1reel
IMCSN-1500-25U	03485	1/0–250 kcmil (60–120 mm²)	1.50/0.50" (38,1/12,7 mm)	1.30–0.50" (33–12,1 mm)	1 reel
IMCSN-1700-25U	03486	4/0–400 kcmil (120–200 mm²)	1.70/0.60" (43,2/15,2 mm)	1.45–0.60" (37–15,2 mm)	1 reel
IMCSN-2000–25U	03487	300–500 kcmil (185–250 mm²)	2.00/0.75" (50,8/19,1 mm)	1.75–0.75" (44,5–19,0 mm)	1 reel
IMCSN-3000-25U	03530	600–1250 kcmil (325–625 mm²)	3.00/1.00" (76,2/25,4 mm)	2.50–1.00" (63,5–25,4 mm)	1 reel
IMCSN-4300–25U	03531	1000–2500 kcmil (625–1000 mm²)	4.30/1.50" (109,2/38,1 mm)	3.60–1.50" (91,5–29,5 mm)	1 reel

Note: Reels are not supplied with factory-applied adhesive/sealant.

3M™ MDT Medium-Wall, Flame-Retardant Cable Sleeves for 1kV

3M MDT heat shrinkable medium-wall cable sleeves are reliable, tough performers made of split-resistant cross-linked polyolefin. Use for 1 kV splices, connections, terminations and rejacketing. They are flame-retardant and protect against mechanical and environmental dangers, providing excellent abrasion, corrosion and chemical resistance. MDT sleeves have greater flexibility than the HDT, our heavy-wall version. Installation of these fast-shrinking sleeves is easy with little training necessary.

The 48" (121,9 cm) lengths are unprinted and come standard with a factory-applied adhesive/sealant, a thermoplastic material that remains flexible over long periods under adverse environmental conditions. During heating the sealant softens, bonds to underlying surfaces and fills small voids that might be present.

Order in the size equivalent to expanded inside diameter required.

Specification and Ordering Information for 3M MDT 4-Foot Lengths (Black Only)

Product Number	UPC (054007-)	Cable Range	Expanded/ Recovered I.D.	4' Lengths Per Case
MDT-0400-48A	40672	#12 – #6 AWG	0.40/0.15" (10,2/3,8 mm)	20
MDT-0800-48A	40673	#8 – #3 AWG	0.80/0.22" (20,3/5,6 mm)	20
MDT-1100-48A	40674	#2 – 2/0 AWG	1.10/0.37" (27,9/9,4 mm)	20
MDT-1300-48A	40675	#1 – 4/0 AWG	1.30/0.43" (33,0/10,9 mm)	20
MDT-1500-48A	40676	1/0 – 250 MCM	1.50/0.50" (38,1/12,7 mm)	20
MDT-1700-48A	40677	4/0 – 400 MCM	1.70/0.60" (43,2/15,2 mm)	20
MDT-2000-48A	40678	300 – 500 MCM	2.00/0.75" (50,8/19,1 mm)	15
MDT-3000-48A	40679	600 – 1250 MCM	3.00/1.00" (76,2/25,4 mm)	15
MDT-4300-48A	40680	1000 – 2500 MCM	4.30/1.50" (109,2/38,1 mm)	10

Thin-Wall Tubing

3M™ FP-301 Thin-Wall Tubing

Shrink Ratio 2:1

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3M FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F(135°C) continuous operation. FP-301 tubing is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering.

FP-301 clear tubing provides excellent visibility for component packing. All FP-301 tubing is split resistant, mechanically tough, easily marked and resists cold flow.

FP-301 is available in black, white, red, blue, yellow and clear in the standard lengths of 6-inch (15,2 cm) cut pieces, 48-inch (1,21 m) and small (8.5-inch core diameter) spools of 50 (15,24 m) and 100 (30,48 m) feet. Four-foot lengths of green tubing are available in sizes 1/16 inch to 1/2 inch. The Assorted Color Kit has a total of 133 pieces and contains seven colors: black, red, white, yellow, blue, green and clear (see chart below.) The Black Kit contains 102 pieces, all 6" (512,4 mm) lengths (see chart below.)Additional sizes, colors and put-ups are available—please contact your 3M Electrical Products Sales Representative.

Application Specifications: UL Recognized and CSA Certified at 600 volts at 257°F(125°C); UL File No. E-39100 and CSA No. 38227. MIL-I-23053/5, Class 1,2. AMS 3636 (Type I) and AMS 3637 (Type II).

To Order: Reference specific product size, color and description on the following pages. Example: FP-301-1/4, white 6" (15,2 cm) pieces.

Specification and Ordering Information for 3M FP-301 Assortment Kits

Description	UPC (051135-)	Case Quantity
Assorted Colors Kit	37677	5 kits
Kit Contents:	Kit Quantity:	
3/32 (2,35 mm)	35	
1/8 (3,18 mm)	28	
3/16 (4,75 mm)	21	
1/4 (6,35 mm)	21	
3/8 (9,53 mm)	14	
1/2 (12,70 mm)	14	
Assorted Black Kit	38139	5 kits
Kit Contents:	Kit Quantity:	
3/16 (4,8 mm)	30	
1/4 (6,5 mm)	28	
3/8 (9,6 mm)	20	
1/2 (12,7 mm)	14	
3/4 (19,1 mm)	6	
1 (25,4 mm)	4	

Specification and Ordering Information for 3M FP-301 Six-Inch Pieces–Tamper Evident Bags (Refills for Kits)

Product Number	Size	Color	UPC (051135-)	Description	Expanded/ Recovered I.D.	Case Qty.
FP-301	3/64" (1,19 mm)	Black Clear	36484 36485	40 pcs/bag	0.046/0.023" (1,17/0,58 mm)	10
FP-301	1/16" (1,59 mm)	Black Clear	36486 36487	38 pcs/bag	0.063/0.031" (1,6/0,79 mm)	10
FP-301	3/32" (2,4 mm)	Black Clear	36488 36489	36 pcs/bag	0.093/0.046" (2,36/1,17 mm)	10
FP-301	1/8" (3,18 mm)	Black Clear	36490 36491	34 pcs/bag	0.125/0.062" (3,18/1,57 mm)	10
FP-301	3/16" (4,77 mm)	Black Clear	36492 36493	30 pcs/bag	0.187/0.093" (4,75/2,36 mm)	10
FP-301	1/4" (6,4 mm)	Black Clear	36494 36495	26 pcs/bag	0.250/0.125" (6,35/3,18 mm)	10
FP-301	3/8" (9,55 mm)	Black Clear	36496 36497	24 pcs/bag	0.375/0.187" (9,53/4,75 mm)	10
FP-301	1/2" (12,7 mm)	Black Clear	36498 36499	20 pcs/bag	0.500/0.250" (12,7/6,35 mm)	10
FP-301	3/4" (19,0 mm)	Black Clear	36500 36501	14 pcs/bag	0.750/0.375" (19,05/9,52 mm)	10
FP-301	1" (25,4 mm)	Black Clear	36502 36503	10 pcs/bag	1.000/0.500" (25,4/12,7 mm)	10
FP-301	1-1/2" (38,1 mm)	Black Clear	36504 36505	6 pcs/bag	1.500/0.750" (38,1/19,05 mm)	10
FP-301	2" (50,8 mm)	Black Clear	36506 36507	4 pcs/bag	2.000/1.000" (50,8/25,4 mm)	10
FP-301	3" (76,0 mm)	Black Clear	36508 36509	3 pcs/bag	3.000/1.500" (76,2/38,1 mm)	10
FP-301	4" (102,0 mm)	Black Clear	36510 36511	2 pcs/bag	4.000/2.000" (101,6/50,8 mm)	10

Specification and Ordering Information for 3M FP-301 Assortment Packs of Six-Inch Lengths–Tamper Evident Bags (Refills for Kits)

Product	Size	Color	UPC (051135-)	Description	Case Qty.
FP-301	3/64–3/16" (1,19-4,77 mm)	Black	36612	6 each of 5 sizes	10
FP-301	1/4–3/4" (6,4-19,0 mm)	Black	36613	4 each of 4 sizes	10
FP-301	1-4" (25,4-102 mm)	Black	36614	2 each of 5 sizes	10
FP-301	3/32" (2,4 mm)	Assort.	36618	5 each of 7 colors	10
FP-301	1/8" (3,18 mm)	Assort.	36619	4 each of 7 colors	10
FP-301	3/16" (4,77 mm)	Assort.	36620	3 each of 7 colors	10
FP-301	1/4" (6,4 mm)	Assort.	36621	3 each of 7 colors	10
FP-301	3/8" (9,55 mm)	Assort.	36622	2 each of 7 colors	10
FP-301	1/2" (12,7 mm)	Assort.	36623	2 each of 7 colors	10

Specification and Ordering Information for 3M™ FP-301 Four-Foot Sticks (small box)

Product Number	Size	Color	UPC (051135-)	Description	Expanded/ Recovered I.D.	Case Qty.
FP-301	3/64" (1,17 mm)	Black Clear White Red Blue Yellow	36644 36645 36646 36647 36649 36648	48" Sticks (1,22 m)	0.046/0.023" (1,17/0,58 mm)	25
FP-301	1/16" (1,58 mm)	Black Clear White Red Blue Yellow Green	36650 36651 36652 36653 36655 36654 36672	48" Sticks (1,22 m)	0.063/0.031" (1,6/0,79 mm)	25
FP-301	3/32" (2,38 mm)	Black Clear White Red Blue Yellow Green	36673 36674 36675 36676 36678 36677 36679	48" Sticks (1,22 m)	0.093/0.046" 2,36/1,17 mm)	25
FP-301	1/8" (3,18 mm)	Black Clear White Red Blue Yellow Green	36680 36681 36682 36683 36685 36684 36686	48" Sticks (1,22 m)	0.125/0.062" (3,18/1,57 mm)	25
FP-301	3/16" (4,75 mm)	Black Clear White Red Blue Yellow Green	36687 36688 36689 36690 36692 36691 36693	48" Sticks (1,22 m)	0.187/0.093" (4,75/2,36 mm)	25
FP-301	1/4" (6,35 mm)	Black Clear White Red Blue Yellow Green	36694 36695 36696 36697 36699 36698 36700	48" Sticks (1,22 m)	0.250/0.125" (6,35/3,18 mm)	12
FP-301	3/8" (9,5 mm)	Black Clear White Red Blue Yellow Green	36701 36702 36703 36704 36706 36705 36707	48" Sticks (1,22 m)	0.375/0.187" (9,53/4,75 mm)	12
FP-301	1/2" (12,7 mm)	Black Clear White Red Blue Yellow Green	36709 36710 36711 36712 36714 36713 36715	48" Sticks (1,22 m)	0.500/0.250" (12,7/6,35 mm)	12
FP-301	3/4" (19,05 mm)	Black Clear White Red Blue Yellow Green	36716 36720 36721 36722 36724 36723 37764	48" Sticks (1,22 m)	0.750/0.375" (19,01/9,53 mm)	12
FP-301	1" (25,4 mm)	Black Clear White Red Blue Yellow Green	36725 36726 36727 36728 36730 36729 37767	48" Sticks (1,22 m)	1.000/0.500" (25,4/12,7 mm)	5

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Specification and Ordering Information for 3M FP-301 Four-Foot Sticks (small box)

(continued)

Product Number	Size	Color	UPC (051135-)	Description	Expanded/ Recovered I.D.	Case Qty.
FP-301	1-1/2" (38,1 mm)	Black Clear White Red Blue Yellow	36731 36732 36733 36734 36736 36735	48" Sticks (1,22 m)	1.500/0.750" (38,1/19,05 mm)	5
FP-301	2" (50,8 mm)	Black Clear White Red Blue Yellow	36737 36738 36739 36740 36742 36741	48" Sticks (1,22 m)	2.000/1.000" (50,8/25,4 mm)	5
FP-301	3" (76,2 mm)	Black Clear	36743 36744	48" Sticks (1,22 m)	3.000/1.500" (76,2/38,1 mm)	2
FP-301	4" (101,6 mm)	Black Clear	36745 36746	48" Sticks (1,22 m)	4.000/2.000" (101,6/50,8 mm)	2

Specification and Ordering Information for 3M™ FP-301 Small Spools

Product Number	Size	Color	UPC (051135-)	Description	Expanded/ Recovered I.D.	Case Qty.
FP-301	3/64" (1,19 mm)	Black Clear	36027** 36028**	100' Spool (30,5 m)	0.046/0.023" (1,17/0,58 mm)	300'
FP-301	1/16" (1,6 mm)	Black Clear White Red Blue Yellow Green	35550 35555 35551 35552 35553 35554 37591	100' Spool (30,5 m)	0.063/0.031" (1,6/0,79 mm)	300'
FP-301	3/32" (2,4 mm)	Black Clear White Red Blue Yellow Green	35556 35548 35557 35558 35559 35560 37592	100' Spool (30,5 m)	0.093/0.046" (2,36/1,17 mm)	300'
FP-301	1/8" (3,2 mm)	Black Clear White Red Blue Yellow Green	35562 35567 35563 35564 35565 35566 37593	100' Spool (30,5 m)	0.125/0.062" (3,18/1,57 mm)	300'
FP-301	3/16" (4,77 mm)	Black Clear White Red Blue Yellow Green	35568 35573 35569 35570 35571 35572 37594	100' Spool (30,5 m)	0.187/0.093" (4,75/2,36 mm)	300'
FP-301	1/4" (6,4 mm)	Black Clear White Red Blue Yellow Green	35574 35579 35575 35576 35577 35578 37346	100' Spool (30,5 m)	0.250/0.125" (6,35/3,18 mm)	300'
FP-301	3/8" (9,6 mm)	Black Clear White Red Blue Yellow Green	35580 35585 35581 35582 35583 35584 37643	100' Spool (30,5 m)	0.375/0.187" (9,53/4,75 mm)	300'
FP-301	1/2" (12,7 mm)	Black Clear White Red Blue Yellow Green	35586 35591 35587 35588 35589 35590 37347	100' Spool (30,5 m)	0.500/0.250" (12,7/6,35 mm)	300'
FP-301	3/4" (19,1 mm)	Black Clear White Red Blue Yellow Green	35592 35597 35593 35594 35595 35596 37348	50' Spool (15,2 m)	0.750/0.375" (19,05/9,52 mm)	150'
FP-301	1" (25,4 mm)	Black Clear White Red Blue Yellow Green	35598 35603 35599 35600 35601 35602 37768	50' Spool (15,2 m)	1.000/0.500" (25,4/12,7 mm)	150'

* UPC prefix 054007-
** UPC prefix 051138-
Continued on next column

Specification and Ordering Information for 3M FP-301 Small Spools (continued)

Product Number	Size	Color	UPC (054007-)	Description	Expanded/ Recovered I.D.	Case Qty.
FP-301	1-1/2" (38,1 mm)	Black Clear White Red Blue Yellow	36026* 36025* 08515 38860 38857 08516	50' Spool (15,2 m) 100' Spool (30,5 m)	1.500/0.750" (38,1/19,05 mm)	100' 200'
FP-301	2" (50,8 mm)	Black Clear White Red Blue Yellow	36024* 36023* 08519 08518 38870 08520	50' Spool (15,2 m) 100' Spool (30,5 m)	2.000/1.000" (50,8/25,4 mm)	100' 200'
FP-301	3" (76,2 mm)	Black Clear White Red Blue Yellow	08521 38982 08522 38881 38880 38883	50' Spool (15,2 m)	3.000/1.500" (76,2/38,1 mm)	50'
FP-301	4" (101,6 mm)	Black Clear White Red Blue Yellow	38884 38986 38894 38893 58973 38895	50' Spool (15,2 m)	3.000/1.500" (101,6/50,8 mm)	50'

* UPC prefix 051138-

Specification and Ordering Information for FP 25-Foot Reels Thin-Wall, Flexible Polyolefin

Product Number	UPC (054007-)	Expanded/ Recovered I.D.	Case Qty.
FP-063-BK-25	40058	0.063/0.031" (1,6/0,8 mm)	1
FP-093-BK-25	40059	0.093/0.046" (2,4/1,2 mm)	1
FP-125-BK-25	40060	0.125/0.062" (3,2/1,6 mm)	1
FP-187-BK-25	40061	0.187/0.093" (4,7/2,4 mm)	1
FP-250-BK-25	40062	0.250/0.125" (6,4/3,2 mm)	1
FP-375-BK-25	40063	0.375/0.187" (9,5/4,2 mm)	1
FP-500-BK-25	40064	0.500/0.250" (12,7/6,4 mm)	1
FP-750-BK-25	40065	0.750/0.375" (19,1/9,5 mm)	1
FP-1000-BK-25	40066	1.000/0.500" (25,4/12,7 mm)	1

Note: Bulk spools and 4-foot lengths are available subject to quotation. Special cut lengths are also available subject to quotation.

Specification and Ordering Information for 3M™ FP-301 Four-Foot Lengths with Header Cards

Product Number	Size	Color	UPC (051135-)	Description	Expanded/ Recovered I.D.	Case Qty.
FP-301H	3/64" (1,17 mm)	Black Clear White Red Blue Yellow	36644 36645 36646 36647 36649 36648	48" Sticks (1,22 m)	0.046/0.023" (1,17/0,58 mm)	25
FP-301H	1/16" (1,58 mm)	Black Clear White Red Blue Yellow Green	36748 36749 36750 36751 36753 36752 36754	48" Sticks (1,22 m)	0.063/0.031" (1,6/0,79 mm)	25
FP-301H	3/32" (2,38 mm)	Black Clear White Red Blue Yellow Green	36770 36771 36772 36773 36775 36774 36776	48" Sticks (1,22 m)	0.093/0.046" 2,36/1,17 mm)	25
FP-301H	1/8" (3,18 mm)	Black Clear White Red Blue Yellow Green	36777 36778 36779 36780 36782 36781 36783	48" Sticks (1,22 m)	0.125/0.062" (3,18/1,57 mm)	25
FP-301H	3/16" (4,75 mm)	Black Clear White Red Blue Yellow Green	36784 36785 36786 36787 36789 36788 36790	48" Sticks (1,22 m)	0.187/0.093" (4,75/2,36 mm)	25
FP-301H	1/4" (6,35 mm)	Black Clear White Red Blue Yellow Green	36791 36792 36793 36794 36796 36795 36797	48" Sticks (1,22 m)	0.250/0.125" (6,35/3,18 mm)	12
FP-301H	3/8" (9,5 mm)	Black Clear White Red Blue Yellow Green	36798 36799 36800 36801 36803 36802 36804	48" Sticks (1,22 m)	0.375/0.187" (9,53/4,75 mm)	12
FP-301H	1/2" (12,7 mm)	Black Clear White Red Blue Yellow Green	36805 36806 36807 36808 36810 36809 36811	48" Sticks (1,22 m)	0.500/0.250" (12,7/6,35 mm)	12
FP-301H	3/4" (19,05 mm)	Black Clear White Red Blue Yellow Green	36812 36813 36814 36815 36817 36816 36763	48" Sticks (1,22 m)	0.750/0.375" (19,01/9,53 mm)	12
FP-301H	1" (25,4 mm)	Black Clear White Red Blue Yellow Green	36818 36819 36820 36821 36823 36822 37766	48" Sticks (1,22 m)	1.000/0.500" (25,4/12,7 mm)	5

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3M™ Kynar® Heat Shrink, Cross-linked, Thin-walled, Modified Polyvinylidene Fluoride Tubing

3M Kynar tubing is a cross-linked, thin-walled, heat-shrinkable tubing offering a high degree of mechanical strength and high-temperature resistance. Fabricated from polyvinylidene fluoride, the tubing has outstanding abrasion resistance and cut-through properties in combination with high dielectric strength. It is inherently flame retardant, semi-rigid and highly resistant to most industrial fuels, chemicals and solvents. When heated in excess of 347°F (175°C), Kynar tubing rapidly shrinks to a skintight fit. Kynar tubing is rated for continuous operation from -67°F (-55°C) to 347°F (175°C).

Kynar tubing is recommended for shrink-fit protection and strain relief of wires, solder joints, terminals and connections. Kynar tubing has a 2:1 shrink ratio. Standard color is clear. Standard packaging is 4-foot lengths. Order Kynar tubing by product name, size equivalent to the expanded inside diameter, package type and color. Applicable Specifications: MIL-DTL-23053/8, MIL-DTL-23053/18, Class 1; AMS-3632; UL File E-39100, VW-1; CSA LR 38227, OFT.

Kynar® is a registered trademark of Elf Atochem North America, Inc.

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Specification and Ordering Information for 3M Kynar® Tubing with Header Cards

Product Number	Size	UPC (051135-)	Description	Expanded/ Recovered I.D.	Broken Case Qty.	Case Qty.
Kynar-H	1/16"	38759	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.063/0.031" (1,60/0,79 mm)	—	25
Kynar-H	3/32"	38760	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.093/0.046" (2,36/1,17 mm)	—	25
Kynar-H	1/8"	38761	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.125/0.062" (3,18/1,57 mm)	—	25
Kynar-H	3/16"	38762	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.187/0.093" (4,75/2,36 mm)	—	12
Kynar-H	1/4"	38763	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.250/0.125" (6,35/3,18 mm)	—	12
Kynar-H	3/8"	38764	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.375/0.187" (9,53/4,75 mm)	—	12
Kynar-H	1/2"	38765	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.500/0.250" (12,70/6,35 mm)	—	5
Kynar-H	3/4"	38766	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	0.750/0.375" (19,05/9,53 mm)	—	5
Kynar-H	1"	38767	Modified Polyvinylidene Fluoride 48" Sticks w/Header Small Box	1.000/0.500" (25,40/12,70 mm)	—	5

*See your 3M sales representative for bulk 4' stick packages.

Adhesive-Lined Tubing

3M™ EPS-300 Thin-Wall, Flexible Polyolefin Adhesive-Lined Tubing

Shrink Ratio 3:1

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3M EPS 300 tubing is a thin-wall tubing offering the advantages of integral, dual wall construction. The tubing is made from flame-retardant, flexible polyolefin-lined with an internal layer of special thermoplastic adhesive. The heat shrinkable outer wall is selectively radiation cross-linked, while the adhesive maintains high flow and excellent adhesion characteristics. 3M EPS-300 is an environmental protection sleeve and insulation. It offers superb environmental protection for electronic components, twisted pigtail and inline wire splices, crimp splices, wire bundles and wire harness breakouts in automotive, truck fleet, marine and industrial applications.

Standard Color: Black and standard packaging is four-foot (1,219 m) lengths and six-inch (15,2 cm) cut pieces. Also available in a kit containing 42 pieces of 6-inch lengths in assorted sizes (see chart below.) Additional sizes, colors and put-ups are available — please contact your 3M Electrical Products Sales Representative.

Application Specifications: MIL-I-23053/4, Class 3.
To Order: Reference specific product size, color and description. Example: EPS-300-1/4, 48" (1,21 m) sticks, black.

Specification and Ordering Information for 3M EPS-300 Tubing Kit

UPC 05135-84442, Case quantity 5 kits

Description	# of 6" Size	Pieces
EPS-300 Red	1/2" (12,70 mm)	12
EPS-300 Black	1/2" (12,70 mm)	12
EPS-300 Red	3/4" (19,05 mm)	6
EPS-300 Black	3/4" (19,05 mm)	6
EPS-300 Red	1" (25,40 mm)	3
EPS-300 Black	1" (25,40 mm)	3

Specification and Ordering Information for 3M EPS-300 Tubing

Product Number	Size	UPC (051135-)	Expanded/ Recovered I.D.	Description	Case Qty.
EPS-300 Black	1/8" (3,2 mm)	37483	0.125/0.040" (3,18/1,02 mm)	48" Sticks (1,21 m)	25
EPS-300 Black	3/16" (4,76 mm)	36875	0.187/0.063" (4,75/1,57 mm)	48" Sticks (1,21 m)	12
EPS-300 Black	3/16" (4,76 mm)	36592	0.187/0.063" (4,75/1,57 mm)	6" Pieces, 24/Bag (15,2 cm)	10
EPS-300 Black	1/4" (6,35 mm)	36876	0.250/0.080" (6,35/2,03 mm)	48" Sticks (1,21 m)	12
EPS-300 Black	1/4" (6,35 mm)	36593	0.250/0.080" (6,35/2,03 mm)	6" Pieces, 20/Bag (15,2 cm)	10
EPS-300 Black	3/8" (9,53 mm)	36877	0.375/0.120" (9,53/3,05 mm)	48" Sticks (1,21 m)	12
EPS-300 Black	3/8" (9,53 mm)	36594	0.375/0.120" (9,53/3,05 mm)	6" Pieces, 16/Bag (15,2 cm)	10
EPS-300 Black	1/2" (12,7 mm)	36878	0.500/0.160" (12,7/4,06 mm)	48" Sticks (1,21 m)	12
EPS-300 Black	1/2" (12,7 mm)	36595	0.500/0.160" (12,7/4,06 mm)	6" Pieces, 14/Bag (15,2 cm)	10
EPS-300 Red	1/2" (12,7 mm)	38441	0.500/0.160" (12,7/4,06 mm)	6" Pieces, 14/Bag (15,2 cm)	10
EPS-300 Black	3/4" (19,05 mm)	36879	0.750/0.250" (19,05/6,35 mm)	48" Sticks (1,21 m)	5
EPS-300 Black	3/4" (19,05 mm)	36596	0.750/0.250" (19,05/6,35 mm)	6" Pieces, 12/Bag (15,2 cm)	10
EPS-300 Red	3/4" (19,05 mm)	38442	0.750/0.250" (19,05/6,35 mm)	6" Pieces, 12/Bag (15,2 cm)	10
EPS-300 Black	1" (25,4 mm)	36880	1.000/0.320" (25,4/8,13 mm)	48" Sticks (1,21 m)	5
EPS-300 Black	1" (25,4 mm)	36597	1.000/0.320" 25,4/8,13 mm)	6" Pieces, 8/Bag (15,2 cm)	10
EPS-300 Red	1" (25,4 mm)	38443	1.000/0.320" 25,4/8,13 mm)	6" Pieces, 8/Bag (15,2 cm)	10
EPS-300 Black	1-1/2" (38,1 mm)	36881	1.500/0.500" (38,1/12,95 mm)	48" Sticks (1,21 m)	5
EPS-300 Black	1-1/2" (25,4 mm)	36598	1.500/0.500" (38,1/12,95 mm)	6" Pieces, 4/Bag (15,2 cm)	10

Note: Bulk 48" sticks and special cut lengths are available subject to quotation.

Specification and Ordering Information for 3M™ EPS-300 Tubing with Header Cards

Product Number	Size	UPC (051135-)	Expanded/ Recovered I.D.	Description	Case Qty.
EPS-300H Black	1/8" (3,2 mm)	38749	0.125/0.040" (3,18/1,02 mm)	48" Sticks (1,21 m)	25
EPS-300H Black	3/16" (4,76 mm)	38750	0.187/0.063" (4,75/1,57 mm)	48" Sticks (1,21 m)	12
EPS-300H Black	1/4" (6,35 mm)	38751	0.250/0.080" (6,35/2,03 mm)	48" Sticks (1,21 m)	12
EPS-300H Black	3/8" (9,53 mm)	38752	0.375/0.120" (9,53/3,05 mm)	48" Sticks (1,21 m)	12
EPS-300H Black	1/2" (12,7 mm)	38753	0.500/0.160" (12,7/4,06 mm)	48" Sticks (1,21 m)	12
EPS-300H Red	1/2" (12,7 mm)	38754	0.500/0.160" (12,7/4,06 mm)	48" Sticks (1,21 m)	12
EPS-300H Black	3/4" (19,05 mm)	38755	0.750/0.250" (19,05/6,35 mm)	48" Sticks (1,21 m)	5
EPS-300H Red	3/4" (19,05 mm)	38756	0.750/0.250" (19,05/6,35 mm)	48" Sticks (1,21 m)	5
EPS-300H Black	1" (25,4 mm)	38757	1.000/0.320" (25,4/8,13 mm)	48" Sticks (1,21 m)	5
EPS-300H Red	1" (25,4 mm)	38758	1.000/0.320" 25,4/8,13 mm)	48" Sticks (1,21 m)	5

Note: Bulk 48" sticks and special cut lengths are available subject to quotation.

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3M MW Tubing
Multiple-Wall, Semi-Rigid Polyolefin

Shrink Ratio: 2.5:1

3M MW tubing is a semi-rigid, heat shrinkable polyolefin tubing that is co-extruded and selectively cross-linked to provide an integral, meltable inner wall. When heated in excess of 275°F (135°C), the inner meltable wall of the tubing is simultaneously softened and forced by the shrink action into intimate contact with all underlying surfaces, interstices and small voids. Upon cooling, the MW Tubing provides a tough protective and insulating barrier, highly resistant to penetration by moisture and the attack of chemicals and solvents. Uses include strain relief for delicate wire terminations, connections, solder joints and harness breakouts — where semi-rigid environmental protective sleeving and insulation is needed.

Standard Color: Black and standard packaging is four-foot (1,219 m) lengths and six-inch (15,2 cm) cut pieces. Additional sizes, colors and put-ups are available — please contact your 3M Electrical Products Sales Representative.

Application Specifications: MIL-I-23053/4, Class 1; AMS-3634. To Order: Reference specific product size, color and description. Example: MW, 1/4, 6" pieces, black.

Specification and Ordering Information for 3M MW Tubing Multiple Wall, Semi-Rigid Polyolefin

Product Number	Size	UPC (051135-)	Expanded/ Recovered I.D.	Description	Case Qty.
MW	1/8" (3,18 mm)	36859	0.125/0.023" (3,18/0,58 mm)	48" Sticks (1,21 m)	25
MW	1/8" (3,18 mm)	36563	0.125/0.023" (3,18/0,58 mm)	6" Pieces, 28/Bag (15,2 cm)	10
MW	3/16" (4,76 mm)	36860	0.187/0.060" (4,75/1,52 mm)	48" Sticks (1,21 m)	12
MW	3/16" 4,76 mm)	36564	0.187/0.060" (4,75/1,52 mm)	6" Pieces, 24/Bag (15,2 cm)	10
MW	1/4" (6,35 mm)	36861	0.250/0.080" (6,35/2,03 mm)	48" Sticks (1,21 m)	12
MW	1/4" (6,35 mm)	36565	0.250/0.080" (6,35/2,03 mm)	6" Pieces, 20/Bag (15,2 cm)	10
MW	3/8" (9,53 mm)	36862	0.375/0.135" (9,53/3,43 mm)	48" Sticks (1,21 m)	12
MW	3/8" (9,53 mm)	36566	0.375/0.135" (9,53/3,43 mm)	6" Pieces, 16/Bag (15,2 cm)	10
MW	1/2" (12,7 mm)	36863	0.500/0.195" (12,7/4,95 mm)	48" Sticks (1,21 m)	12
MW	1/2" (12,7 mm)	36567	0.500/0.195" (12,7/4,95 mm)	6" Pieces, 14/Bag (15,2 cm)	10
MW	3/4" (19,05 mm)	36864	0.750/0.313" (19,05/7,95 mm)	48" Sticks (1,21 m)	5
MW	3/4" (19,05 mm)	36568	0.750/0.313" (19,05/7,95 mm)	6" Pieces, 12/Bag (15,2 cm)	10
MW	1" (25,4 mm)	36865	1.000/0.400" (25,4/10,16 mm)	48" Sticks (1,21 m)	5
MW	1" (25,4 mm)	36569	1.000/0.400" (25,4/10,16 mm)	6" Pieces, 8/Bag (15,2 cm)	10

Note: Bulk 48" sticks and special cut lengths are available subject to quotation.

Bus Bar Tubing

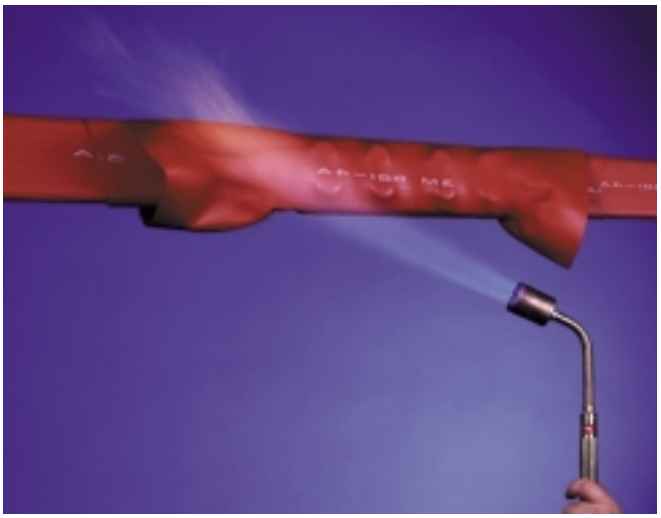
3M™ BBI-A Series Bus Bar Tubing

3M BBI-A tubing is made of specially formulated, cross-linked, flame-retardant, track-resistant polyolefin that will shrink to fit rectangular, square or round bus bars. BBI-A will handle voltage ranges from 600 V to 35 kV, reducing your inventory requirements and saving you time and money.

The BBI-A material has a high resistance to splitting, while providing the flexibility to conform to bends in certain applications. Superior split resistance can prevent insulation failures and resulting downtimes. BBI-A is unaffected by normal cleaning fluids and is resistant to physical damage. Good thermal endurance (up to 110°C/ 230°F) contributes to longer life and more stable performance.

Excellent dielectric strength allows the required space between bus bars and metal enclosures to be substantially reduced. Closer spacing reduces both the overall size of the assembly, and the overall cost.

Note: Bus bar is packaged one roll per case, 20 or 50 feet long.



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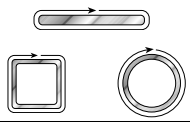
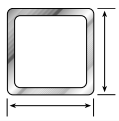
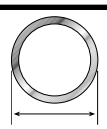
Specification and Ordering Information for 3M™ BBI-A Series Bus Bar Tubing

Product Number	UPC (051135-)	Outside Dimension (Bar Circumference A)	Rectangular	Square	Round (Diameter)	Case Qty.
						
5, 8 & 15 kV Bus Bar Size Ranges						
BBI-3A	35726 35727	3.28–5.57" (83–141 mm)	1 1/2 x 1/4–2 1/2 x 1/2" (38 x 6–64 x 13 mm)	1 x 1–1 1/2 x 1 1/2" (25 x 25–38 x 38 mm)	1 1/8–1 3/4" (29–44 mm)	20 50
BBI-4A	35728 35729	5.43–8.86" (138–225 mm)	2 1/2 x 3/8–4 x 3/4" (64 x 10–102 x 19 mm)	2 x 2" (51 x 51 mm)	1 3/4–2 3/4" (44–70 mm)	20 50
BBI-5A	35730 35731	6.67–10.86" (169–276 mm)	3 x 5/8–5 x 3/4" (76 x 16–127 x 19 mm)	2 x 2–2 x 1/2 x 2 1/2" (51 x 51–64 x 64 mm)	2 1/8–3 3/8" (54–86 mm)	20 50
BBI-6A	35732 35733	7.57–12.86" (192–327 mm)	3 1/2 x 1/2–6 x 3/4" (89 x 13–152 x 19 mm)	2 1/2 x 2 1/2–3 x 3" (64 x 64–76 x 76 mm)	2 1/2–4" (64–102 mm)	20 50
BBI-7A	35734 35735	8.28–13.00" (210–330 mm)	4 x 1/4–6 x 3/4" (102 x 6–152 x 19 mm)	2 1/2 x 2 1/2–3 x 3" (64 x 64–76 x 76 mm)	2 3/4–4 1/8" (70–105 mm)	20 50
BBI-8A	35736 35737	10.29–16.43" (261–417 mm)	5 x 1/4–8 x 3/8" (127 x 6–203 x 10 mm)	3 x 3–4 x 4" (76 x 76–102 x 102 mm)	3 3/8–5 1/8" (86–130 mm)	20 50
BBI-9A	35876 35877	12.29–19.23" (312–488 mm)	6 x 1/4–9 x 3/4" (152 x 6–229 x 19 mm)	3 1/2 x 3 1/2–5 x 5" (89 x 89–127 x 127 mm)	4–6 1/8" (102–156 mm)	20 50
BBI-10A	35878 35879	15.43–24.14" (392–612 mm)	8 x 1/4–10 x 3/4" (203 x 6–254 x 19 mm)	5 x 5–6 x 6" (127 x 127–152 x 152 mm)	5–7 5/8" (127–194 mm)	20 50
25 kV Bus Bar Size Ranges						
BBI-3A	35726 35727	3.28–3.56" (83–90 mm)	1 1/2 x 1/4–1 1/2 x 3/8" (38 x 6–38 x 10 mm)	Measure circumference	1 1/8" (29 mm)	20 50
BBI-4A	35728 35729	5.43–5.80" (138–147 mm)	2 1/2 x 3/8–2 1/2 x 5/8" (64 x 10–64 x 16 mm)	Measure circumference	1 3/4" (44 mm)	20 50
BBI-5A	35730 35731	6.67–7.18" (169–182 mm)	3 x 5/8–3 x 3/4" (76 x 16–76 x 19 mm)	Measure circumference	2 1/8–2 1/4" (54–57 mm)	20 50
BBI-6A	35732 35733	7.57–8.43" (192–214 mm)	3 1/2 x 1/2–4 x 1/4" (89 x 13–102 x 6 mm)	Measure circumference	2 1/2–2 5/8" (64–67 mm)	20 50
BBI-7A	35734 35735	8.28–10.44" (210–265 mm)	4 x 1/4–5 x 3/8" (102 x 6–127 x 10 mm)	2 1/2 x 2 1/2" (64 x 64 mm)	2 3/4–3 1/4" (70–83 mm)	20 50
BBI-8A	35736 35737	10.29–12.88" (261–327 mm)	5 x 1/4–6 x 3/4" (127 x 6–152 x 19 mm)	3 x 3" (76 x 76 mm)	3 3/8–4" (86–102 mm)	20 50
BBI-9A	35876 35877	12.29–15.31" (312–389 mm)	6 x 1/4–7 x 3/4" (152 x 6–178 x 19 mm)	3 1/2 x 3 1/2–4 x 4" (89 x 89–102 x 102 mm)	4–4 7/8" (102–124 mm)	20 50
BBI-10A	35878 35879	15.43–19.79" (392–503 mm)	8 x 1/4–9 x 3/4" (203 x 6–229 x 19 mm)	5 x 5" (127 x 127 mm)	5–6 1/4" (127–158 mm)	20 50
35 kV Bus Bar Size Ranges						
BBI-7A	35734 35735	8.28–8.86" (210–225 mm)	4 x 1/4–4 x 3/4" (102 x 6–102 x 19 mm)	Measure circumference	2 3/4" (70 mm)	20 50
BBI-8A	35736 35737	10.29–10.94" (261–278 mm)	5 x 1/4–5 x 3/4" (127 x 6–127 x 19 mm)	Measure circumference	3 3/8" (86 mm)	20 50
BBI-9A	35876 35877	12.29–13.00" (312–330 mm)	6 x 1/4–6 x 3/4" (152 x 6–152 x 19 mm)	Measure circumference	4–4 1/8" (102–105 mm)	20 50
BBI-10A	35878 35879	15.43–16.86" (392–428 mm)	8 x 1/4–8 x 3/4" (203 x 6–203 x 19 mm)	Measure circumference	5–5 1/4" (127–133 mm)	20 50

Note: Rectangular and square bar sizes are based on bars having radiused edges and corners.

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3M

Electrical Products Trade Price Sheet

Effective: June 4, 2001

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SPLICES
TERMINATIONS } X.84

- Boxed Terminals, See Page 50
- Bulk Terminals, See Page 56
- Highland™ Bagged Terminals, See Page 66

3M Electrical Products Division

Electrical Products

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
06147	Electrical Moisture Sealant Roll 2 1/2" X 10'	054007-06147	roll	10	-	7.8	10	-	roll	12.56	11.19	-
06149	Electrical Moisture Sealant Pads 2 1/2" X 2 1/2" (25 pads/box)	054007-06149	box	10	25 pads/box	3.9	10	-	box	10.44	9.31	-
06200	Cable Tie Miniature - Black (bagged) 4"	054007-06200	each	1000	100/bag	1.0	100	1000	100	13.37	10.85	8.69
06201	Cable Tie Intermediate - Black (bagged) 5.875"	054007-06201	each	1000	100/bag	1.9	100	1000	100	14.73	11.95	9.57
06202	Cable Tie Standard - Black (bagged) 7.94"	054007-06202	each	1000	100/bag	3.6	100	1000	100	18.40	14.92	11.96
06203	Cable Tie Standard - Black (bagged) 12"	054007-06203	each	1000	100/bag	4.5	100	1000	100	38.16	30.95	24.81
06204	Cable Tie Standard - Black (bagged) 15"	054007-06204	each	500	50/bag	3.7	100	1000	100	42.07	34.13	27.35
06205	Cable Tie Mounting - Black (bagged) 8.31"	054007-06205	each	1000	100/bag	4.3	100	1000	100	31.02	25.16	20.16
06206	Cable Tie Heavy Duty - Black (bagged) 8"	054007-06206	each	500	50/bag	4.0	100	1000	100	58.12	47.14	37.78
06207	Cable Tie Heavy Duty - Black (bagged) 15"	054007-06207	each	500	50/bag	7.1	100	1000	100	61.58	49.94	40.03
06220	Assortment Pack	054007-06220	each	1000	100 ast/bg	2.5	100	1000	100	22.66	18.38	14.73
06224	Cable Tie Miniature - Nat (bagged) 4"	054007-06224	each	1000	100/bag	1.0	100	1000	100	11.19	9.08	7.27
06225	Cable Tie Intermediate - Nat (bagged) 5.875"	054007-06225	each	1000	100/bag	1.9	100	1000	100	13.30	10.79	8.64
06226	Cable Tie Standard - Nat (bagged) 7.94"	054007-06226	each	1000	100/bag	3.7	100	1000	100	16.88	13.69	10.98
06227	Cable Tie Standard - Nat (bagged) 12"	054007-06227	each	1000	100/bag	4.5	100	1000	100	33.13	26.86	21.53
06228	Cable Tie Standard - Nat (bagged) 15"	054007-06228	each	500	50/bag	3.7	100	1000	100	38.93	31.58	25.31
06229	Cable Tie Heavy Duty - Nat (bagged) 8"	054007-06229	each	500	50/bag	4.5	100	1000	100	53.20	43.15	34.59
06232	Cable Tie Mounting - Nat (bagged) 8.31"	054007-06232	each	1000	100/bag	4.3	100	1000	100	26.98	21.89	17.54
06234	Cable Tie Mounting - Nat (bagged) 15.25"	054007-06234	each	500	50/bag	4.0	100	1000	100	61.74	50.07	40.13
06240	Cable Tie Heavy Duty - Nat (bagged) 15"	054007-06240	each	500	50/bag	7.1	100	1000	100	57.50	46.64	37.38
06242	Cable Tie Std Double Loop - Nat (bagged) 15.25"	054007-06242	each	500	50/bag	4.0	100	1000	100	68.62	55.64	44.60
06243	Cable Tie Mounting - Nat (bagged) 15.625"	054007-06243	each	500	50/bag	6.8	100	1000	100	86.05	69.79	55.94
06246	Cable Tie Heavy Duty - Black (bagged) 33"	054007-06246	each	500	50/bag	20.0	500	5000	100	147.35	115.92	92.87
06247	Cable Tie Heavy Duty - Nat (bagged) 33"	054007-06247	each	500	50/bag	0.2	100	1000	100	143.79	113.10	90.61
06248	Cable Tie Miniature - Nat (bulk) 4"	054007-06248	each	10000	1000/bag	7.0	10000	100000	1000	47.00	30.18	27.17
06249	Cable Tie Intermediate - Nat (bulk) 5.875"	054007-06249	each	10000	1000/bag	16.5	10000	100000	1000	60.18	38.64	34.78
06250	Cable Tie Standard - Nat (bulk) 7.94"	054007-06250	each	10000	1000/bag	31.8	10000	100000	1000	79.30	50.91	45.84
06251	Cable Tie Standard - Nat (bulk) 12"	054007-06251	each	10000	1000/bag	41.0	10000	100000	1000	177.33	106.41	102.51
06252	Cable Tie Standard - Nat (bulk) 15"	054007-06252	each	2500	500/bag	15.9	2500	25000	1000	204.31	122.59	118.10
06256	Cable Tie Mounting - Nat (bulk) 8.31"	054007-06256	each	10000	1000/bag	33.6	10000	100000	1000	183.37	117.73	105.99
06258	Cable Tie Mounting - Nat (bulk) 15.25"	054007-06258	each	2500	500/bag	16.0	2500	25000	1000	375.59	225.36	217.11
06259	Cable Tie Heavy Duty - Black (bagged) 36"	054007-06259	each	500	50/bag	22.0	500	5000	100	186.24	130.23	116.52
06260	Cable Tie Heavy Duty - Nat (bagged) 36"	054007-06260	each	500	50/bag	22.0	500	5000	100	169.37	118.44	105.97
06264	Cable Tie Heavy Duty - Nat (bulk) 15"	054007-06264	each	2500	500/bag	25.0	2500	25000	1000	404.34	242.62	233.73
06266	Cable Tie St Double Loop - Nat (bulk) 15.25"	054007-06266	each	2500	500/bag	13.0	2500	25000	1000	304.10	182.47	175.79
06267	Cable Tie Mounting - Nat (bulk) 15.625"	054007-06267	each	2500	500/bag	30.5	2500	25000	1000	603.61	362.19	348.91
06270	Cable Tie Miniature - Black (bagged) 4"	054007-06270	each	10000	1000/bag	6.6	10000	100000	1000	54.08	34.72	31.26
06271	Cable Tie Intermediate - Black (bulk) 5.875"	054007-06271	each	10000	1000/bag	16.9	10000	100000	1000	69.24	44.46	40.02
06272	Cable Tie Standard - Black (bulk) 7.94"	054007-06272	each	10000	1000/bag	32.0	10000	100000	1000	79.88	51.28	46.17
06273	Cable Tie Standard - Black (bulk) 12"	054007-06273	each	10000	1000/bag	41.6	10000	100000	1000	205.09	131.67	118.54
06274	Cable Tie Standard - Black (bulk) 15"	054007-06274	each	2500	500/bag	13.7	2500	25000	1000	226.82	145.63	131.12
06275	Cable Tie Mounting - Black (bulk) 8.31"	054007-06275	each	10000	1000/bag	28.0	10000	100000	1000	221.75	142.37	128.18
06277	Cable Tie Heavy Duty - Black (bulk) 15"	054007-06277	each	2500	500/bag	33.5	2500	25000	1000	464.79	298.41	268.66
06290	Mounting Base (bagged) 1" x 2"	054007-06290	each	500	100/bag	6.0	100	1000	100	68.84	55.83	44.74
06291	Mounting Base (bulk) 1" x 2"	054007-06291	each	2500	250/bag	30.3	2500	25000	1000	358.69	290.90	233.16
06292	Mounting Base (bagged) 1"	054007-06292	each	500	-	1.0	100	1000	100	60.14	48.77	39.09
06293	Mounting Base (bulk) 1" x 1"	054007-06293	each	2500	250/bag	8.4	2500	25000	1000	313.35	254.14	203.68
06294	Mounting Base (bagged) 75" x .75"	054007-06294	each	500	100/bag	1.0	100	1000	100	62.54	50.72	40.65
06295	Mounting Base (bagged) 75" x .75"	054007-06295	each	500	100/bag	1.1	100	1000	100	74.43	60.36	48.38
06296	Mounting Base (bagged) 1" x 1"	054007-06296	each	500	100/bag	1.0	100	1000	100	82.46	66.88	53.60
06297	Mounting Base (bagged) 1" x 1"	054007-06297	each	500	100/bag	2.1	100	1000	100	97.61	79.17	63.46
06298	Mounting Base (bagged) 6" x .38"	054007-06298	each	500	-	0.8	100	1000	100	23.30	18.90	15.14
06299	Mounting Base (bagged) 87" x .62"	054007-06299	each	500	100/bag	2.5	100	1000	100	59.50	48.26	38.68
2MPK	Clip On Reflector, 2' Contractor Pack	051131-52143	pack	5	-	8.5	5	-	pack	101.29	78.14	-
2SPK	Clip On Reflector, 2' Single Pack	051131-52141	pack	5	-	4.5	5	-	pack	16.84	12.99	-
4*	Insulating Resin Size A 3.2 oz.	054007-43165	cont	10	-	2.9	10	-	cont	11.65	9.19	-
4*	Insulating Resin Size B 7.4 oz.	054007-43166	cont	10	-	6.4	10	-	cont	19.06	15.05	-
4*	Insulating Resin Size C 14.7 oz.	054007-43167	cont	10	-	11.7	10	-	cont	35.57	28.06	-
4*	Insulating Resin Size D 22.2 oz.	054007-04206	cont	10	-	0.0	10	-	cont	49.98	39.42	-
4*	Insulating Resin Size E 10.4 oz.	054007-04207	cont	10	-	0.0	10	-	cont	26.84	21.17	-
4MPK	Clip On Reflector, 4' Contractor Pack	051131-52144	pack	5	-	9.4	5	-	pack	142.29	109.77	-
4SPK	Clip On Reflector, 4' Single Pack	051131-52142	pack	5	-	8.5	5	-	pack	19.48	15.03	-
5 WAY PENETRANT*	24 OZ	021200-21305	can	12	-	17.6	12	-	can	8.24	6.50	-
13	Semi-Conducting Tape 3/4" x 15'	054007-15017	rls	50	1/box 10/ctn	11.0	10	-	rls	8.82	6.95	-

*MSDS Available

Effective Date: June 4, 2001

Electrical Products

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
16-101*	General Purpose Contact Cleaner	054007-42817	each	12	-	12.6	12	-	each	11.92	9.89	-
16-102*	Quick Drying Contact Cleaner	054007-42818	each	12	-	11.6	12	-	each	7.12	5.90	-
16-103*	High Flash Contact Cleaner	054007-42819	each	12	-	13.0	12	-	each	7.28	6.04	-
16-201*	General Electric Cleaner	054007-42820	each	12	-	13.0	12	-	each	4.71	3.91	-
16-203*	Quick Drying Parts & Equipment Degreaser	054007-42821	each	12	-	11.9	12	-	each	4.43	3.67	-
16-205*	Natural Degreaser	054007-42822	each	12	-	13.0	12	-	each	7.31	6.06	-
16-207*	Electric Parts Cleaner	054007-42823	each	12	-	11.9	12	-	each	4.43	3.67	-
16-301*	Natural Cable Cleaner	054007-42824	each	12	-	13.0	12	-	each	6.01	4.99	-
16-303*	High Flash Cable Cleaner	054007-42825	each	12	-	13.0	12	-	each	5.31	4.40	-
16-305*	Quick Drying Cable Cleaner	054007-42826	each	12	-	11.9	12	-	each	4.43	3.67	-
16-401*	Electric Coating	054007-42827	each	12	-	12.2	12	-	each	6.21	5.14	-
16-501*	Zinc Spray	054007-42828	each	12	-	15.1	12	-	each	7.30	6.04	-
16-703*	Storing Lubricant	054007-42830	each	12	-	12.6	12	-	each	6.24	5.17	-
22	Heavy Duty Elec Tape 1" x 36YD (Boxed)	054007-10042	rls	48	-	34.3	12	96	rls	11.56	10.27	9.05
22	Heavy Duty Elec Tape 2" x 36YD (Boxed)	054007-10067	rls	12	-	16.1	12	96	rls	23.09	20.52	18.10
22	Heavy Duty Elec Tape 1/2" x 36YD (Boxed)	054007-10026	rls	48	-	17.9	12	96	rls	7.49	6.64	5.86
22	Heavy Duty Elec Tape 3/4" x 36YD	054007-10034	rls	48	1/box 12/ctn	26.3	12	96	rls	9.19	8.16	7.20
22	Heavy Duty Elec Tape 1 1/2" x 36YD (Boxed)	054007-10059	rls	12	-	12.4	12	96	rls	17.36	15.42	13.61
23	Rubber Splicing Tape 3/4" x 30'	054007-15025	rls	50	1/box 50/ctn	21.0	50	200	rls	10.45	8.24	8.20
23	Rubber Splicing Tape 2" x 30'	054007-15033	rls	50	1/box 10/ctn	50.0	10	50	rls	25.91	20.45	18.35
23	Rubber Splicing Tape 1" x 30'	054007-00059	rls	50	1/box 50/ctn	27.0	50	200	rls	12.89	10.17	9.12
23	Rubber Splicing Tape 1" x 20'	054007-13061	rls	100	-	39.7	10	100	rls	8.61	6.79	6.10
23	Rubber Splicing Tape 1 1/2" x 30'	054007-11214	rls	50	1/box 10/ctn	39.0	10	50	rls	19.71	15.55	13.95
24	Shielding Tape 1" x 15'	054007-15041	rls	50	1/box 10/ctn	8.0	10	50	rls	15.77	12.44	11.15
24	Shielding Tape 1" x 100'	054007-15058	rls	10	1/box 10/ctn	7.0	10	50	rls	88.68	69.95	67.75
25	Grounding Braid 1/2" x 15'	054007-11602	rls	1	1/box	1.0	10	50	rls	57.73	45.53	40.86
27*	Glass Cloth Tape 1 1/2" x 60 yd (Bulk)	054007-27478	rls	24	-	15.3	24	96	rls	35.85	32.25	30.46
27*	Glass Cloth Tape 1/2" x 66'	054007-15066	rls	50	1/box 10/ctn	8.0	50	-	rls	8.09	6.38	-
27*	Glass Cloth Tape 3/4" x 60 yd (Bulk)	054007-27477	rls	12	-	7.6	12	48	rls	17.93	16.13	15.23
27*	Glass Cloth Tape 1" x 60 yd (Bulk)	054007-10570	rls	9	-	7.4	9	36	rls	23.88	21.49	20.30
27*	Glass Cloth Tape 3/4" x 66'	054007-15074	rls	50	1/box 10/ctn	11.9	50	-	rls	11.97	9.45	-
30J04S*	Skirted Insulator (3 insul/kit)	054007-02310	kit	1	-	0.9	10	-	kit	257.02	202.74	-
30J09T*	Skirted Insulator (3 insul/kit)	054007-02311	kit	1	-	0.8	10	-	kit	190.16	150.00	-
30K04S*	Skirted Insulator (3 insul/kit)	054007-09625	kit	1	-	1.4	10	-	kit	353.57	278.91	-
30L04S*	Skirted Insulator (3 insul/kit)	054007-09626	kit	1	-	1.7	10	-	kit	422.99	333.66	-
30M04S*	Skirted Insulator (3 insul/kit)	054007-09627	kit	1	-	2.0	10	-	kit	513.00	404.66	-
33	Vinyl Tape 1 1/2" x 44'	054007-10174	rls	100	1/box 10/ctn	32.3	10	100	rls	5.74	5.09	4.49
33	Vinyl Tape 3/4" x 36yd	054007-10133	rls	48	1/box 12/ctn	18.1	12	96	rls	7.75	6.88	6.07
33+ D Super	Vinyl Tape 3/4" x 66'	054007-10216	rls	100	1/disp 10/ctn	31.8	10	100	rls	4.55	4.05	3.56
33+ Super	Vinyl Tape 3/4" x 20'	054007-06130	rls	100	10/box	7.7	10	100	rls	1.61	1.42	1.26
33+ Super	Vinyl Tape 3/4" x 44'	054007-10075	rls	100	1/can 10/ctn	18.7	10	100	rls	2.91	2.59	2.29
33+ Super	Vinyl Electrical Tape Display (20 rls/display)	054007-43131	disp	2	20 rls/display	10.8	1	2	disp	84.22	74.75	66.44
33+ Super	Vinyl Tape 3/4" X 36YD (Boxed)	054007-00053	rls	48	-	18.4	12	96	rls	7.44	6.60	5.82
33+ Super	Vinyl Tape 3/4" x 66'	054007-06132	rls	100	10	25.6	10	100	rls	4.09	3.64	3.20
33+ Super	Vinyl Tape 1" X 36YD (Boxed)	054007-08949	rls	48	-	24.1	12	96	rls	9.42	8.36	7.39
33+ Super	Vinyl Tape 1-1/2" X 36YD	054007-50236	rls	50	-	33.4	50	100	rls	14.09	12.51	11.04
35	Vinyl Color Coding Tape Multi-Color Pack	051131-59073	pack	12	-	3.7	1	12	pack	5.62	4.44	4.38
35 Blue	Vinyl Color Coding Tape 1/2" x 20'	054007-10240	rls	100	1/cello 10/ctn	5.3	10	100	rls	1.21	1.07	0.94
35 Blue	Vinyl Color Coding Tape 3/4" X 66'	054007-10836	rls	100		24.9	10	100	rls	3.82	3.39	2.99
35 Blue	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-10836	rls	20	-	6.6	20	-	rls	3.82	3.39	-
35 Brown	Vinyl Color Coding Tape 1/2" x 20'	054007-10299	rls	100	1/cello 10/ctn	5.4	10	100	rls	1.21	1.07	0.94
35 Brown	Vinyl Color Coding Tape 3/4" X 66'	054007-10885	rls	100		25.5	10	100	rls	3.82	3.39	2.99
35 Brown	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-10885	rls	20	-	5.3	20	-	rls	3.82	3.39	-
35 Gray	Vinyl Color Coding Tape 1/2" x 20'	054007-10281	rls	100	1/cello 10/ctn	5.4	10	100	rls	1.21	1.07	0.94
35 Gray	Vinyl Color Coding Tape 3/4" x 66'	054007-00072	rls	100	1/can 10/ctn	26.1	10	100	rls	3.82	3.39	2.99
35 Gray	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-00072	rls	20	-	5.3	20	-	rls	3.82	3.39	-
35 Green	Vinyl Color Coding Tape 1/2" x 20'	054007-10265	rls	100	1/cello 10/ctn	5.3	10	100	rls	1.21	1.07	0.94
35 Green	Vinyl Color Coding Tape 3/4" x 66'	054007-10851	rls	100	1/can 10/ctn	25.4	10	100	rls	3.82	3.39	2.99
35 Green	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-10851	rls	20	-	5.7	20	-	rls	3.82	3.39	-
35 Orange	Vinyl Color Coding Tape 1/2" x 20'	054007-10273	rls	100	1/cello 10/ctn	5.3	10	100	rls	1.21	1.07	0.94
35 Orange	Vinyl Color Coding Tape 3/4" x 66'	054007-10869	rls	100	1/can 10/ctn	25.6	10	100	rls	3.82	3.39	2.99
35 Orange	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-10869	rls	20	-	5.3	20	-	rls	3.82	3.39	-
35 Red	Vinyl Color Coding Tape 1/2" x 20'	054007-10224	rls	100	1/cello 10/ctn	5.2	10	100	rls	1.21	1.07	0.94
35 Red	Vinyl Color Coding Tape 3/4" x 66'	054007-10810	rls	100	1/can 10/ctn	24.7	10	100	rls	3.82	3.39	2.99
35 Red	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-10810	rls	20	-	5.5	20	-	rls	3.82	3.39	-

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35 Violet	Vinyl Color Coding Tape 1/2" x 20'	054007-49923	rls	100	1/cello 10/ctn	5.2	10	100	rls	1.21	1.07	0.94
35 Violet	Vinyl Color Coding Tape 3/4" x 66'	054007-11271	rls	100	1/can 10/ctn	25.7	10	100	rls	3.82	3.39	2.99
35 Violet	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-11271	rls	20	-	5.0	20	-	rls	3.82	3.39	-
35 White	Vinyl Color Coding Tape 1/2" x 20'	054007-10232	rls	100	1/cello 10/ctn	5.3	10	100	rls	1.21	1.07	0.94
35 White	Vinyl Color Coding Tape 3/4" x 66'	054007-10828	rls	100	1/can 10/ctn	26.2	10	100	rls	3.82	3.39	2.99
35 White	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-10828	rls	20	-	5.5	20	-	rls	3.82	3.39	-
35 Yellow	Vinyl Color Coding Tape 1/2" x 20'	054007-10257	rls	100	1/cello 10/ctn	5.4	10	100	rls	1.21	1.07	0.94
35 Yellow	Vinyl Color Coding Tape 3/4" x 66'	054007-10844	rls	100	1/can 10/ctn	25.6	10	100	rls	3.82	3.39	2.99
35 Yellow	Vinyl Color Tape 3/4" x 66' - 20 RL U-Shaped Disp	054007-10844	rls	20	-	5.6	20	-	rls	3.82	3.39	-
48*	Thread Sealant & Lubricant Tape - 1/4" x 260"	054007-06192	rls	12	-	0.5	1	12	rls	3.15	2.81	2.66
48*	Thread Sealant & Lubricant Tape - 1/2" x 260"	054007-06195	rls	12	-	0.8	1	12	rls	4.15	3.71	3.53
48*	Thread Sealant & Lubricant Tape - 1/2" x 520"	054007-06196	rls	12	-	1.1	1	12	rls	6.70	5.97	5.68
48*	Thread Sealant & Lubricant Tape - 1/2" x 1296"	054007-27571	rls	12	-	1.7	1	12	rls	12.49	11.13	10.58
50	Corrosion Protection Tape (boxed) 2" x 100'	054007-11156	rls	10	-	12.8	10	100	rls	16.54	14.51	12.78
50	Corrosion Protection Tape (boxed) 1" x 100'	054007-11149	rls	10	1/box	6.6	10	100	rls	8.26	7.24	6.39
50 PRINTED	Corrosion Protection Tape (bulk) 1" x 100'	054007-00012	rls	48	-	28.6	48	336	rls	7.63	6.72	5.60
50 PRINTED	Corrosion Protection Tape (bulk) 2" x 100'	054007-00013	rls	24	-	28.8	24	168	rls	15.26	13.43	11.21
50 PRINTED	Corrosion Protection Tape (bulk) 4" x 100'	054007-00018	rls	12	-	28.5	12	84	rls	30.53	26.86	22.40
50 UNPRINTED	Corrosion Protection Tape (bulk) 1" x 100'	054007-00014	rls	48	-	29.3	48	336	rls	6.44	5.65	4.72
50 UNPRINTED	Corrosion Protection Tape (bulk) 2" x 100'	054007-10638	rls	24	-	29.2	24	168	rls	12.90	11.35	9.48
50 UNPRINTED	Corrosion Protection Tape (bulk) 3" x 100'	054007-09468	rls	16	-	28.7	16	112	rls	19.37	17.05	14.22
50 UNPRINTED	Corrosion Protection Tape (bulk) 4" x 100'	054007-10646	rls	12	-	28.8	12	84	rls	25.82	22.73	18.96
50 UNPRINTED	Corrosion Protection Tape (bulk) 6" x 100'	054007-15785	rls	8	-	28.4	8	56	rls	38.69	34.05	28.40
51 PRINTED	Corrosion Protection Tape (bulk) 1" x 100'	054007-42802	rls	24	-	0.0	24	168	rls	11.62	10.22	8.53
51 PRINTED	Corrosion Protection Tape (bulk) 2" x 100'	054007-42803	rls	12	-	28.8	12	84	rls	23.15	20.37	17.00
51 PRINTED	Corrosion Protection Tape (bulk) 4" x 100'	054007-42804	rls	4	-	28.8	4	28	rls	46.25	40.71	33.96
51 PRINTED	Corrosion Protection Tape (bulk) 6" x 100'	054007-42805	rls	4	-	27.5	4	28	rls	69.63	61.27	51.11
51 UNPRINTED	Corrosion Protection Tape (bulk) 1" x 100'	054007-42806	rls	24	-	28.8	24	168	rls	9.81	8.63	7.20
51 UNPRINTED	Corrosion Protection Tape (bulk) 2" x 100'	054007-42807	rls	12	-	28.8	12	84	rls	19.59	17.23	14.37
51 UNPRINTED	Corrosion Protection Tape (bulk) 4" x 100'	054007-42808	rls	4	-	28.8	4	28	rls	39.11	34.42	28.71
51 UNPRINTED	Corrosion Protection Tape (bulk) 6" x 100'	054007-42809	rls	4	-	27.5	4	28	rls	58.72	51.69	43.11
69*	Glass Cloth Tape 3/4" x 36 yd (Bulk)	054007-27493	rls	12	-	4.4	12	48	rls	18.87	16.99	16.04
69*	Glass Cloth Tape 1" x 36 yd (Bulk)	054007-27494	rls	9	-	4.3	9	36	rls	25.17	22.64	21.39
69*	Glass Cloth Tape 1/2" x 66'	054007-10083	rls	50	1/box 10/ctn	7.1	50	-	rls	10.32	8.14	-
69*	Glass Cloth Tape 1/2" x 36 yd (Bulk)	054007-27548	rls	18	-	4.8	18	72	rls	12.61	11.34	10.71
69*	Glass Cloth Tape 3/4" x 66'	054007-09910	rls	50	1/box 10/ctn	12.0	50	-	rls	15.49	12.21	-
70	Silicone Rubber Tape 1" x 30'	054007-15603	rls	50	1/box 10/ctn	14.0	10	50	rls	29.89	23.57	21.16
72*	Pressure Sensitive Adhesive 24 Fl oz	021200-30025	can	12	-	17.2	12	-	can	10.51	8.28	-
72-N1*	Non-Re-enterable Resin Splicing Kits	054007-10623	kit	10	1/box	5.9	10	-	kit	25.30	19.95	-
72-N2*	Non-Re-enterable Resin Splicing Kits	054007-10625	kit	10	1/box	13.0	10	-	kit	36.96	29.16	-
72-N3*	Non-Re-enterable Resin Splicing Kits	054007-10627	kit	10	1/box	24.2	10	-	kit	64.36	50.78	-
72-N4*	Non-Re-enterable Resin Splicing Kits	054007-10629	kit	1	-	4.6	10	-	kit	127.42	100.52	-
72-N5*	Non-Re-enterable Resin Splicing Kits	054007-10631	kit	1	-	8.7	10	-	kit	186.95	147.46	-
72-N6*	Non-Re-enterable Resin Splicing Kits	054007-10633	kit	1	-	21.9	10	-	kit	429.09	338.48	-
74 Super*	Foam Fast Adhesive 24 Fl oz	021200-82242	can	12	-	18.4	12	-	can	10.92	8.62	-
75*	Repositionable Adhesive 16 Fl oz	021200-30067	can	12	-	10.0	12	-	can	9.98	7.87	-
76*	High Tack Adhesive 24 Fl oz	021200-30026	can	12	-	17.3	12	-	can	12.73	10.04	-
77	Fire and Arc Proofing Tape 1 1/2" x 20'	054007-42007	rls	10	1/bag	7.0	10	50	rls	10.23	8.07	7.24
77	Fire and Arc Proofing Tape 3" x 20'	054007-42006	rls	10	1/bag	13.2	10	50	rls	18.96	14.95	13.41
77 Super*	Spray Adhesive 24 Fl oz	021200-21210	can	12	-	17.1	12	-	can	9.91	7.82	-
78-R1	Re-enterable Resin Splicing Kits	054007-02411	kit	1	-	4.6	10	-	kit	141.34	111.49	-
78-R2	Re-enterable Resin Splicing Kits	054007-02412	kit	1	-	7.2	10	-	kit	185.70	146.48	-
78-R3	Re-enterable Resin Splicing Kits	054007-02413	kit	1	-	12.2	10	-	kit	284.13	224.13	-
78-R4	Re-enterable Resin Splicing Kits	054007-02414	kit	1	-	19.3	10	-	kit	435.31	343.37	-
78-R5	Re-enterable Resin Splicing Kits	054007-02417	kit	1	-	31.6	10	-	kit	652.41	514.63	-
80*	Neoprene Contact Adhesive 24 Fl oz	021200-82618	can	12	-	18.1	12	-	can	14.03	11.07	-
82-A*	Inline Resin Splicing Kits	054007-25016	kit	10	1/box	6.1	10	-	kit	25.56	20.17	-
82-A1*	Inline Resin Splicing Kits	054007-25024	kit	10	1/box	6.4	10	-	kit	21.10	16.65	-
82-A2*	Inline Resin Splicing Kits	054007-25032	kit	10	1/box	13.7	10	-	kit	33.68	26.56	-
82-A3*	Inline Resin Splicing Kits	054007-25040	kit	10	1/box	11.7	10	-	kit	55.49	43.77	-
82-B1*	Wye Resin Splicing Kit	054007-25057	kit	10	1/box	10.4	10	-	kit	31.67	24.98	-
82-BF1*	Tap Resin Splicing Kit	054007-08309	kit	10	1/box	10.2	10	-	kit	37.62	29.67	-
82-F1*	Inline Resin Splicing Kit	054007-08307	kit	10	1/box	9.4	10	-	kit	34.66	27.34	-
82-F2*	Inline Resin Splicing Kit	054007-08308	kit	10	1/box	20.3	10	-	kit	54.17	42.74	-
85-10*	Multi-Mold Resin Splicing Kits	054007-11846	kit	10	1/box	5.0	10	-	kit	16.41	12.94	-

*MSDS Available

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85-12*	Multi-Mold Resin Splicing Kits	054007-11847	kit	10	1/box	8.7	10	-	kit	24.40	19.25	-
85-14*	Multi-Mold Resin Splicing Kits	054007-11848	kit	10	1/box	14.1	10	-	kit	39.70	31.32	-
85-14 CP*	Multi-Mold Resin Splicing Kits	054007-31927	kit	10	1/box	14.1	10	-	kit	39.70	31.32	-
85-16*	Multi-Mold Resin Splicing Kits	054007-02403	kit	10	1/box	22.1	10	-	kit	66.17	52.19	-
88 Super	Vinyl Electrical Tape 1" X 36yd (Boxed)	054007-10331	rls	48	-	28.4	12	96	rls	10.39	9.23	8.14
88 Super	Vinyl Electrical Tape 1 1/2" x 44'	054007-10364	rls	100	1/box 10/ctn	39.2	10	100	rls	6.04	5.37	4.74
88 Super	Vinyl Electrical Tape 3/4" x 66'	054007-06143	rls	100	1/can 10/ctn	29.8	10	100	rls	4.62	4.11	3.64
88 Super	Vinyl Electrical Tape 1 1/2" X 36yd (Boxed)	054007-10349	rls	12	-	10.7	12	96	rls	15.71	13.96	12.31
88 Super	Vinyl Electrical Tape 2" x 36yd	054007-10356	rls	12	1/box	14.0	12	96	rls	20.83	18.49	16.32
88 Super	Vinyl Electrical Tape 3/4" x 44'	054007-10307	rls	100	1/can 10/ctn	21.9	10	100	rls	3.22	2.86	2.52
88 Super	Vinyl Electrical Tape 3/4" x 36yd	054007-10323	rls	48	1/box 12/ctn	22.5	12	96	rls	8.47	7.52	6.63
90*	High Strength Adhesive 24 Fl oz	021200-30023	can	12	-	19.0	12	-	can	13.39	10.56	-
90-B1*	Wye Resin Splicing Kit	054007-25115	kit	10	1/box	10.0	10	-	kit	33.16	26.16	-
130C	Linerless Rubber Tape 2" x 30'	054007-41754	rls	12	1/box	22.8	12	60	rls	23.24	18.34	16.45
130C	Linerless Rubber Tape 1" x 30'	054007-41753	rls	24	1/box	19.4	24	120	rls	11.64	9.18	8.24
130C	Linerless Rubber Tape 1 1/2" x 30'	054007-41718	rls	12	1/box	14.2	12	60	rls	17.70	13.97	12.53
130C	Linerless Rubber Tape 1" X 15'	054007-41752	rls	24	1/Box	15.0	24	120	rls	6.42	5.06	4.54
130C	Linerless Rubber Tape 3/4" x 30'	054007-41717	rls	24	1/box	11.7	24	120	rls	9.34	7.37	6.62
130C	Linerless Rubber Tape 1" X 10'	054007-41751	rls	24	-	5.5	24	120	rls	4.25	3.36	3.02
200	Masking Tape 72mm X 55m (Bulk)	021200-71176	rls	12	-	13.0	12	-	rls	3.39	2.67	-
200	Masking Tape 96mm X 55m (Bulk)	021200-73799	rls	8	-	12.3	8	-	rls	4.52	3.56	-
200	Masking Tape 24mm X 55m (Bulk)	021200-71180	rls	36	-	13.0	36	-	rls	1.13	0.88	-
200	Masking Tape 36mm X 55m (Bulk)	021200-71179	rls	24	-	13.0	24	-	rls	1.68	1.33	-
200	Masking Tape 18mm X 55m (Bulk)	021200-71182	rls	48	-	13.0	48	-	rls	0.87	0.69	-
200	Masking Tape 12mm X 55m (Bulk)	021200-71183	rls	72	-	13.0	72	-	rls	0.57	0.45	-
200	Masking Tape 48mm X 55m (Bulk)	021200-71177	rls	24	-	16.3	24	-	rls	2.25	1.79	-
212	Tan Spring Connector (Boxed)	054007-11792	conn	1000	100/box	4.8	100	1000	100	10.12	9.08	7.64
212	Tan Spring Connector (Bulk)	054007-13202	conn	10000	500/bag	42.9	500	10000	1000	85.10	78.95	64.30
232*	Masking Tape 2" x 60 Yd (Bulk)	021200-04240	rls	24	-	19.8	24	-	rls	9.61	7.58	-
232*	Masking Tape 1" x 60 Yd (Bulk)	021200-02854	rls	36	-	14.8	36	-	rls	4.81	3.80	-
232*	Masking Tape 3/4" x 60 Yd (Bulk)	021200-02853	rls	48	-	14.8	48	-	rls	3.60	2.84	-
234*	Masking Tape 3/4" x 60 Yd (Bulk)	021200-02981	rls	48	-	13.3	48	-	rls	3.02	2.39	-
234*	Masking Tape 2" x 60 Yd (Bulk)	021200-04244	rls	24	-	17.9	24	-	rls	8.07	6.36	-
234*	Masking Tape 1" x 60 Yd (Bulk)	021200-02982	rls	36	-	13.4	36	-	rls	4.01	3.17	-
300	Caution Barricade Tape 3" x 1000ft	055128-53042	rls	8	-	0.0	1	8	rls	25.86	20.40	18.75
312	Yellow Spring Connector (Bulk)	054007-08160	conn	10000	500/bag	43.1	500	10000	1000	85.35	79.18	64.49
312	Yellow Spring Connector (Boxed)	054007-08159	conn	1000	100/box	4.9	100	1000	100	10.91	9.80	8.23
314	IDC Connector (Boxed)	054007-09230	conn	500	50/box	5.3	100	1000	100	49.99	43.39	36.94
314	IDC Connector (Bin)	054007-09231	conn	1000	-	9.3	1000	5000	1000	410.85	356.55	303.57
314U	IDC Connector (Bin)	054007-09233	conn	1000	-	7.7	1000	5000	1000	312.26	270.99	230.73
314U	IDC Connector (Boxed)	054007-09232	conn	500	50/box	4.4	100	1000	100	37.97	32.96	28.07
316 IR	Low Voltage Irrigation Connector	054007-50419	conn	300	30/bag	3.0	30	300	conn	0.51	0.45	0.38
371	Box Sealing Tape (Tan) 72mm x 50m (Bulk)	021200-18197	rls	24	-	11.4	24	-	rls	1.44	1.14	-
371	Box Sealing Tape (Clear) 72mm x 100m (Bulk)	021200-19280	rls	24	-	19.5	24	-	rls	2.54	2.00	-
371	Box Sealing Tape (Clear) 72mm x 50m (Bulk)	021200-19279	rls	24	-	11.4	24	-	rls	1.44	1.14	-
371	Box Sealing Tape (Tan) 72mm x 100m (Bulk)	021200-61525	rls	24	-	20.3	24	-	rls	2.54	2.00	-
512	Red Spring Connector (Boxed)	054007-08161	conn	1000	100/box	7.0	100	1000	100	14.26	12.80	10.77
512	Red Spring Connector (Bulk)	054007-08162	conn	10000	500/bag	61.9	500	10000	1000	112.05	103.97	84.66
512G	Green Spring Grounding Connector (500/bag) (Bulk)	054007-50232	conn	10000	500/Bag	61.9	500	10000	1000	139.43	129.36	105.35
512G	Green Spring Grounding Connector (50/Boxed)	054007-49950	conn	500	50/box	15.8	50	500	100	16.57	14.88	12.52
557	IDC Connector (Bulk)	054007-21502	conn	5000	500/bag	16.9	500	5000	1000	161.31	123.40	116.94
557	IDC Connector (Boxed)	054007-21494	conn	1000	100/box	3.9	100	1000	100	18.44	16.01	13.63
558	IDC Connector (Boxed)	054007-14861	conn	1000	100/box	4.1	100	1000	100	19.24	16.69	14.22
558	IDC Connector (Bulk)	054007-14879	conn	5000	-	18.3	500	5000	1000	167.99	128.53	121.80
560	IDC Connector (Boxed)	054007-00839	conn	1000	100/box	4.1	100	1000	100	11.69	10.14	8.64
560	IDC Connector (Bulk)	054007-00840	conn	5000	500/bag	17.9	500	5000	1000	75.97	58.12	55.08
560B	IDC Connector (Boxed)	054007-20090	conn	1000	100/box	4.0	100	1000	100	11.26	9.76	8.31
560B	IDC Connector (Bulk)	054007-20181	conn	5000	500/bag	17.9	500	5000	1000	73.21	56.01	53.08
560N	IDC Connector (Bulk)	054007-09513	conn	5000	500/bag	18.7	500	5000	1000	96.08	73.51	69.67
562	IDC Connector (Bin)	054007-11040	conn	1000	-	7.4	1000	5000	1000	146.11	111.78	105.94
562	IDC Connector (Boxed)	054007-11032	conn	1000	100/box	8.4	100	1000	100	21.03	18.25	15.54
564	IDC Connector (Bulk)	054007-06118	conn	5000	500/bag	18.0	1000	5000	1000	73.21	56.01	53.08
567	IDC Connector (Bin)	054007-14895	conn	1000	-	7.3	1000	5000	1000	218.06	166.83	158.10
567	IDC Connector (Boxed)	054007-14887	conn	1000	100/box	8.4	100	1000	100	28.89	25.08	21.35
700	700 VINYL ELECTRICAL TAPE 3/4" X 60'	054007-04218	rls	100		18.8	100	500	rls	1.24	1.09	0.98

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
706	Cable Clip 1"	054007-12972	clip	1000	100/bag	3.1	100	-	100	18.12	14.29	-
707	Cable Clip 1"	054007-30445	clip	1000	100/bag	6.5	100	-	100	21.74	17.15	-
708	Cable Clip 1.25"	054007-12998	clip	1000	100/bag	3.9	100	-	100	18.12	14.29	-
710	Cable Clip 1.50"	054007-13012	clip	1000	100/bag	5.0	100	-	100	21.74	17.15	-
712	Cable Clip 1.75"	054007-21387	clip	1000	100/bag	9.2	100	-	100	27.19	21.45	-
713	Cable Clip 2"	054007-21429	clip	1000	100/bag	11.5	100	-	100	30.81	24.30	-
800-A-HB	High Profile Box	054007-71206	kit	10	1	2.3	1	-	kit	7.79	6.15	-
800-A-LB	Low Profile Box	054007-71210	kit	10	1	1.5	1	-	kit	7.79	6.15	-
800-G-HB	High Profile Box	054007-71203	kit	10	1	2.3	1	-	kit	7.79	6.15	-
800-G-LB	Low Profile Box	054007-71207	kit	10	1	1.5	1	-	kit	7.79	6.15	-
800-I-HB	High Profile Box	054007-71204	kit	10	1	2.3	1	-	kit	7.79	6.15	-
800-I-LB	Low Profile Box	054007-71208	kit	10	1	1.7	1	-	kit	7.79	6.15	-
800-W-HB	High Profile Box	054007-91763	kit	10	1	2.2	1	-	kit	7.79	6.15	-
800-W-LB	Low Profile Box	054007-91764	kit	10	1	1.5	1	-	kit	7.79	6.15	-
801-6A	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25643	each	10	1	4.9	1	-	each	9.71	7.66	-
801-6G	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25646	each	10	1	4.7	1	-	each	9.71	7.66	-
801-6I	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25644	each	10	1	4.8	1	-	each	9.71	7.66	-
801-6W	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	054007-92674	each	10	1	4.8	1	-	each	9.71	7.66	-
801-A	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68552	each	10	1	2.5	1	-	each	6.47	5.10	-
801-A-EC	End Cap	054007-68576	each	50	5	0.5	1	-	each	1.25	0.99	-
801-A-IC	Inside Corner	054007-68580	each	50	5	0.5	1	-	each	1.25	0.99	-
801-A-JC	Joint Cover	054007-68572	each	50	5	0.3	1	-	each	1.25	0.99	-
801-A-L	Elbow	054007-68568	each	50	5	0.7	1	-	each	1.25	0.99	-
801-A-OC	Outside Corner	054007-68584	each	50	5	0.5	1	-	each	1.25	0.99	-
801-A-T	Tee	054007-68564	each	50	5	0.8	1	-	each	1.25	0.99	-
801-G	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68549	each	10	1	2.5	1	-	each	6.47	5.10	-
801-G-EC	End Cap	054007-68573	each	50	5	0.5	1	-	each	1.25	0.99	-
801-G-IC	Inside Corner	054007-68577	each	50	5	0.5	1	-	each	1.25	0.99	-
801-G-JC	Joint Cover	054007-68569	each	50	5	0.3	1	-	each	1.25	0.99	-
801-G-L	Elbow	054007-68565	each	50	5	0.7	1	-	each	1.25	0.99	-
801-G-OC	Outside Corner	054007-68581	each	50	5	0.5	1	-	each	1.25	0.99	-
801-G-T	Tee	054007-68561	each	50	5	0.8	1	-	each	1.25	0.99	-
801-I	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68550	each	10	1	3.2	1	-	each	6.47	5.10	-
801-I-EC	End Cap	054007-68574	each	50	5	0.5	1	-	each	1.25	0.99	-
801-I-IC	Inside Corner	054007-68578	each	50	5	0.5	1	-	each	1.25	0.99	-
801-I-JC	Joint Cover	054007-68570	each	50	5	0.5	1	-	each	1.25	0.99	-
801-I-L	Elbow	054007-68566	each	50	5	0.7	1	-	each	1.25	0.99	-
801-I-OC	Outside Corner	054007-68582	each	50	5	0.5	1	-	each	1.25	0.99	-
801-I-T	Tee	054007-68562	each	50	5	0.9	1	-	each	1.25	0.99	-
801-W	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 4'	054007-91786	each	10	1	2.6	1	-	each	6.47	5.10	-
801-W-EC	End Cap	054007-91777	each	50	5	0.5	1	-	each	1.25	0.99	-
801-W-IC	Inside Corner	054007-91771	each	50	5	0.5	1	-	each	1.25	0.99	-
801-W-JC	Joint Cover	054007-91768	each	50	5	0.4	1	-	each	1.25	0.99	-
801-W-L	Elbow	054007-91780	each	50	5	0.7	1	-	each	1.25	0.99	-
801-W-OC	Outside Corner	054007-91765	each	50	5	0.5	1	-	each	1.25	0.99	-
801-W-T	Tee	054007-91774	each	50	5	0.8	1	-	each	1.25	0.99	-
802-6A	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25647	each	10	1	9.5	1	-	each	11.31	8.92	-
802-6G	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25650	each	10	1	10.0	1	-	each	11.31	8.92	-
802-6I	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25648	each	10	1	9.0	1	-	each	11.31	8.92	-
802-6W	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	054007-92673	each	10	1	9.2	1	-	each	11.31	8.92	-
802-A	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68556	each	10	1	6.0	1	-	each	7.54	5.95	-
802-A-EC	End Cap	054007-68602	each	50	5	1.0	1	-	each	1.41	1.11	-
802-A-IC	Inside Corner	054007-71160	each	50	5	1.2	1	-	each	1.41	1.11	-
802-A-JC	Joint Cover	054007-68598	each	50	5	0.9	1	-	each	1.41	1.11	-
802-A-L	Elbow	054007-68594	each	50	5	1.3	1	-	each	1.41	1.11	-
802-A-OC	Outside Corner	054007-71165	each	50	5	0.9	1	-	each	1.41	1.11	-
802-A-R1	802 to 801 Reducer	054007-71202	each	25	5	0.4	1	-	each	1.96	1.54	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
802-A-T	Tee	054007-68590	each	50	5	1.5	1	-	each	1.41	1.11	-
802-G	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68553	each	10	1	6.0	1	-	each	7.54	5.95	-
802-G-EC	End Cap	054007-68599	each	50	5	0.9	1	-	each	1.94	1.53	-
802-G-IC	Inside Corner	054007-68603	each	50	5	1.3	1	-	each	1.94	1.53	-
802-G-JC	Joint Cover	054007-68595	each	50	5	0.9	1	-	each	1.94	1.53	-
802-G-L	Elbow	054007-68591	each	50	5	1.3	1	-	each	1.94	1.53	-
802-G-OC	Outside Corner	054007-71161	each	50	5	0.9	1	-	each	1.94	1.53	-
802-G-R1	802 to 801 Reducer	054007-71199	each	25	5	0.4	1	-	each	4.00	3.16	-
802-G-T	Tee	054007-68587	each	50	5	1.4	1	-	each	1.94	1.53	-
802-I	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68554	each	10	1	6.0	1	-	each	7.54	5.95	-
802-I-EC	End Cap	054007-68600	each	50	5	1.0	1	-	each	1.41	1.11	-
802-I-IC	Inside Corner	054007-71158	each	50	5	1.3	1	-	each	1.41	1.11	-
802-I-JC	Joint Cover	054007-68596	each	50	5	0.9	1	-	each	1.41	1.11	-
802-I-L	Elbow	054007-68592	each	50	5	1.3	1	-	each	1.41	1.11	-
802-I-OC	Outside Corner	054007-71163	each	50	5	0.9	1	-	each	1.41	1.11	-
802-I-R1	802 to 801 Reducer	054007-71200	each	25	5	0.4	1	-	each	1.96	1.54	-
802-I-T	Tee	054007-68588	each	50	5	1.4	1	-	each	1.41	1.11	-
802-W	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 4'	054007-91787	each	10	1	6.5	1	-	each	7.54	5.95	-
802-W-EC	End Cap	054007-91778	each	50	5	1.0	1	-	each	1.41	1.11	-
802-W-IC	Inside Corner	054007-91772	each	50	5	0.9	1	-	each	1.41	1.11	-
802-W-JC	Joint Cover	054007-91769	each	50	5	0.9	1	-	each	1.41	1.11	-
802-W-L	Elbow	054007-91781	each	50	5	1.3	1	-	each	1.41	1.11	-
802-W-OC	Outside Corner	054007-91766	each	50	5	0.9	1	-	each	1.41	1.11	-
802-W-R1	802 to 801 Reducer	054007-91785	each	25	5	0.4	1	-	each	4.09	3.23	-
802-W-T	Tee	054007-91775	each	50	5	1.5	1	-	each	1.41	1.11	-
803-6A	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25651	each	10	1	11.2	1	-	each	14.57	11.49	-
803-6G	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25654	each	10	1	14.0	1	-	each	14.57	11.49	-
803-6I	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	051138-25652	each	10	1	13.3	1	-	each	14.57	11.49	-
803-6W	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 6'	054007-92672	each	10	1	12.6	1	-	each	14.57	11.49	-
803-A	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68560	each	10	1	9.7	1	-	each	9.69	7.65	-
803-A-EC	End Cap	054007-71182	each	50	5	1.7	1	-	each	1.56	1.23	-
803-A-IC	Inside Corner	054007-71186	each	50	5	1.7	1	-	each	1.56	1.23	-
803-A-JC	Joint Cover	054007-71177	each	50	5	1.5	1	-	each	1.56	1.23	-
803-A-L	Elbow	054007-71173	each	50	5	2.4	1	-	each	1.56	1.23	-
803-A-OC	Outside Corner	054007-71190	each	50	5	1.7	1	-	each	1.56	1.23	-
803-A-R1	803 to 801 Reducer	054007-71198	each	25	5	0.5	1	-	each	1.56	1.23	-
803-A-R2	803 to 802 Reducer	054007-71194	each	25	5	0.5	1	-	each	1.56	1.23	-
803-A-T	Tee	054007-71169	each	50	5	2.6	1	-	each	1.56	1.23	-
803-G	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68557	each	10	1	9.7	1	-	each	9.69	7.65	-
803-G-EC	End Cap	054007-71179	each	50	5	1.5	1	-	each	1.56	1.23	-
803-G-IC	Inside Corner	054007-71183	each	50	5	1.7	1	-	each	1.56	1.23	-
803-G-JC	Joint Cover	054007-71174	each	50	5	1.5	1	-	each	1.56	1.23	-
803-G-L	Elbow	054007-71170	each	50	5	2.4	1	-	each	1.56	1.23	-
803-G-OC	Outside Corner	054007-71187	each	50	5	1.7	1	-	each	1.56	1.23	-
803-G-R1	803 to 801 Reducer	054007-71195	each	25	5	0.5	1	-	each	1.56	1.23	-
803-G-R2	803 to 802 Reducer	054007-71191	each	25	5	0.5	1	-	each	1.56	1.23	-
803-G-T	Tee	054007-71166	each	50	5	2.4	1	-	each	1.56	1.23	-
803-I	Cable Duct-Hinged Cover-Pressure Sensitive Back 4'	054007-68558	each	10	1	9.7	1	-	each	9.69	7.65	-
803-I-EC	End Cap	054007-71180	each	50	5	1.5	1	-	each	1.56	1.23	-
803-I-IC	Inside Corner	054007-71184	each	50	5	1.7	1	-	each	1.56	1.23	-
803-I-JC	Joint Cover	054007-71175	each	50	5	1.5	1	-	each	1.56	1.23	-
803-I-L	Elbow	054007-71171	each	50	5	2.4	1	-	each	1.56	1.23	-
803-I-OC	Outside Corner	054007-71188	each	50	5	1.7	1	-	each	1.56	1.23	-
803-I-R1	803 to 801 Reducer	054007-71196	each	25	5	0.5	1	-	each	1.56	1.23	-
803-I-R2	803 to 802 Reducer	054007-71192	each	25	5	0.5	1	-	each	1.56	1.23	-
803-I-T	Tee	054007-71167	each	50	5	2.4	1	-	each	1.56	1.23	-
803-W	Cable Duct-Hinged Cover-Pressure Sensitive Adhesive Back 4'	054007-91788	each	10	1	9.4	1	-	each	9.69	7.65	-
803-W-EC	End Cap	054007-91779	each	50	5	1.5	1	-	each	1.56	1.23	-
803-W-IC	Inside Corner	054007-91773	each	50	5	1.8	1	-	each	1.56	1.23	-
803-W-JC	Joint Cover	054007-91770	each	50	5	1.1	1	-	each	1.56	1.23	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
803-W-L	Elbow	054007-91782	each	50	5	2.3	1	-	each	1.56	1.23	-
803-W-OC	Outside Corner	054007-91767	each	50	5	1.5	1	-	each	1.56	1.23	-
803-W-R1	803 to 801 Reducer	054007-91784	each	25	5	0.5	1	-	each	1.56	1.23	-
803-W-R2	803 TO 802 Reducer	054007-91783	each	25	5	0.5	1	-	each	1.56	1.23	-
803-W-T	Tee	054007-91776	each	50	5	2.4	1	-	each	1.56	1.23	-
804*	Moisture Resistant Tap Connector (50/bag)	054007-50187	conn	1000	50/bag	4.7	50	1000	1000	214.81	186.43	158.72
804*	Moisture Resistant Tap Connector (100/Bag)	054007-50188	conn	1000	-	4.6	100	1000	1000	198.29	172.08	146.51
804*	Moisture Resistant Tap Connector (Boxed)	054007-06134	conn	250	25/box	1.7	25	250	100	23.87	20.72	17.64
804*	Moisture Resistant Tap Connector (Bulk)	054007-06135	conn	5000	500/bag	21.9	500	5000	1000	183.60	159.33	135.66
804U	Moisture Resistant Tap Connector (Bulk)	054007-50767	conn	5000	500/box	18.0	500	5000	1000	141.62	122.91	104.64
893	Filament Tape 18mm x 55m (Bulk)	051131-06938	rls	48	-	18.0	48	-	rls	4.00	3.16	-
893	Filament Tape 12mm x 55m (Bulk)	051131-06937	rls	72	-	18.0	72	-	rls	2.85	2.25	-
893	Filament Tape 24mm x 55m (Bulk)	051131-06939	rls	36	-	18.0	36	-	rls	5.20	4.10	-
897	Filament Tape 12mm x 55m (Bulk)	021200-86523	rls	72	-	17.2	72	-	rls	1.43	1.13	-
897	Filament Tape 18mm x 55m (Bulk)	021200-86524	rls	48	-	17.0	48	-	rls	2.12	1.67	-
897	Filament Tape 24mm x 55m (Bulk)	021200-86525	rls	36	-	17.5	36	-	rls	2.84	2.24	-
905	IDC Connector (500/bag, 5000/ctn)	054007-06129	ctns	1	-	18.2	1	5	ctns	394.93	302.14	286.34
905	IDC Connector (Boxed) (50/box)	054007-06128	box	10	-	2.2	10	50	box	6.42	6.32	5.07
905N	IDC Connector (500/bag, 5000/ctn)	054007-06124	ctns	1	-	18.4	1	5	ctns	394.93	302.14	286.34
1000 N/S*	N/S Silicone Sealant 4.5 Gallon Pail	051115-11537	pail	1	-	50.0	1	-	pail	483.61	381.48	-
1000 N/S*	N/S Silicone Sealant Cartridge 10.1 fl. Oz.	051115-11535	cart	12	-	12.4	12	-	cart	11.00	8.68	-
1003 S/L*	S/L Silicone Sealant 4.5 Gallon Pail	051115-11540	pail	0	-	50.0	1	-	pail	483.61	381.48	-
1003 S/L*	S/L Silicone Sealant Cartridge 10.1 fl. Oz.	051115-11538	cart	12	-	12.5	12	-	cart	11.00	8.68	-
1100 PRINTED	Corrosion Protection Tape 2" x 100'	054007-09065	rls	24	-	27.0	24	168	rls	5.97	5.26	4.39
1100 UNPRINTED	Corrosion Protection Tape 2" x 100'	054007-09061	rls	24	-	27.0	24	168	rls	5.60	4.93	4.11
1601*	Insulating Sealer 16 Oz (Clear)	054007-50342	each	12	-	12.6	12	-	each	22.68	17.89	-
1602*	Insulating Sealer 16 Oz (Red)	054007-50343	each	12	-	12.7	12	-	each	22.68	17.89	-
1603*	Insulating Sealer 16 Oz (Black)	054007-50344	each	12	-	12.7	12	-	each	22.68	17.89	-
1700	Vinyl Tape 3/4" X 36yd 1.5" Core	054007-49700	rls	100	1/wrap 10/sleev	33.0	10	100	rls	1.42	1.27	1.11
1700	Vinyl Electrical Tape 1" x 66'	054007-43962	rls	99		27.0	99	-	rls	1.12	1.00	-
1700	Vinyl Tape 3/4" x 60' 1.5" Core	054007-69764	rls	100	1/wrap 10/sleev	19.2	10	100	rls	0.77	0.69	0.61
1700	Vinyl Tape 3/4" X 66' 1.5" Core	054007-49571	rls	100	1/wrap 10/sleev	21.0	10	100	rls	0.84	0.75	0.66
1700	Temflex Vinyl Electrical Tape Display (20 rls/display)	054007-43130	disp	2	20 rls/display	8.3	1	2	disp	17.21	15.27	13.58
1700P Printed	Vinyl Tape 1 1/2 X 44' (Bulk)	054007-08408	rls	100	-	27.0	10	100	rls	2.00	1.77	1.56
1700P Printed	Vinyl Tape 3/4" X 66' (Bulk)	054007-08175	rls	100	-	20.0	10	100	rls	1.50	1.34	1.18
1700P Printed	Vinyl Plastic Elec Tape 1 1/2" X 66' (Printed) 1 1/2" Core	054007-50750	rls	100	5 Rolls/Sleeve	40.0	10	100	rls	3.06	2.71	2.39
1755*	Friction Tape 1 1/2" x 82 1/2'	054007-50217	rls	30	-	25.0	30	-	rls	6.12	4.82	-
1755*	Friction Tape 3/4" x 60'	054007-50218	rls	60	-	18.0	50	-	rls	2.20	1.74	-
1755*	Friction Tape 3/4" X 82 1/2'	054007-50216	rls	60	-	24.0	60	-	rls	3.06	2.42	-
2000*	Silicone Sealant 5 Gallon Pail (4.5 gal fill)	051115-11557	pail	1	-	58.9	1	-	pail	593.62	468.26	-
2000*	Silicone Sealant 10.3 Fl Oz Cartridge	051115-11556	cart	12	-	14.0	12	-	cart	18.45	14.55	-
2000	Embossed Vinyl Duct Tape 50mm x 46m (Bulk)	054007-43403	each	24	-	23.7	24	120	each	4.31	3.40	3.05
2000+*	Silicone Sealant 10.3 Fl Oz Cartridge	051115-11558	cart	12	-	14.0	12	-	cart	18.45	14.55	-
2000+*	Silicone Sealant 5 Gallon Pail (4.5 gal fill)	051115-11559	pail	1	-	58.9	1	-	pail	593.62	468.26	-
2000T 1/0-2/0-CU/AL	Oil Stop Transition Connector	054007-42228	conn	3	-	1.0	3	-	conn	12.29	9.70	-
2000T 1-1/0-CU/AL	Oil Stop Transition Connector	054007-42227	conn	9	-	1.2	9	-	conn	12.29	9.70	-
2000T 2/0-4/0-CU/AL	Oil Stop Transition Connector	054007-42229	conn	3	-	0.8	3	-	conn	12.29	9.70	-
2000T 2-1/0-CU/AL	Oil Stop Transition Connector	054007-42226	conn	9	-	1.2	9	-	conn	12.29	9.70	-
2000T 2-1-CU/AL	Oil Stop Transition Connector	054007-42225	conn	9	-	1.3	9	-	conn	12.29	9.70	-
2000T 3/0-350-CU/AL	Oil Stop Transition Connector	054007-42230	conn	3	-	1.3	3	-	conn	22.59	17.83	-
2000T 3-1/0-CU/AL	Oil Stop Transition Connector	054007-42224	conn	9	-	1.3	9	-	conn	12.29	9.70	-
2000T 4/0-350-CU/AL	Oil Stop Transition Connector	054007-42231	conn	3	-	1.2	3	-	conn	22.59	17.83	-
2000T 4-1/0-CU/AL	Oil Stop Transition Connector	054007-42223	conn	9	-	1.3	9	-	conn	12.29	9.70	-
2000T 250-350-CU/AL	Oil Stop Transition Connector	054007-42232	conn	3	-	1.2	3	-	conn	24.82	19.57	-
2000T 350-500-CU/AL	Oil Stop Transition Connector	054007-42234	conn	3	-	1.6	3	-	conn	46.00	36.29	-
2000T 400-500-CU/AL	Oil Stop Transition Connector	054007-42235	conn	3	-	2.2	3	-	conn	46.00	36.29	-
2000T 500-750-CU/AL	Oil Stop Transition Connector	054007-42236	conn	3	-	3.1	3	-	conn	52.72	41.59	-
2000T 500-800-CU/AL	Oil Stop Transition Connector	054007-42237	conn	3	-	3.2	3	-	conn	52.72	41.59	-
2000T 500-1000-CU/AL	Oil Stop Transition Connector	054007-42238	conn	3	-	3.1	3	-	conn	58.14	45.86	-
2000T 600-750-CU/AL	Oil Stop Transition Connector	054007-42239	conn	3	-	3.0	3	-	conn	53.53	42.23	-
2000T 650-750-CU/AL	Oil Stop Transition Connector	054007-42240	conn	3	-	3.0	3	-	conn	53.53	42.23	-

*MSDS Available

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
2000T 700-750-CU/AL	Oil Stop Transition Connector	054007-42241	conn	3	-	2.9	3	-	conn	53.53	42.23	-
2000T 750-800-CU/AL	Oil Stop Transition Connector	054007-42242	conn	3	-	3.0	3	-	conn	60.06	47.37	-
2000T 750-1000-CU/AL	Oil Stop Transition Connector	054007-42243	conn	3	-	2.9	3	-	conn	60.06	47.37	-
2000T 800-1000-CU/AL	Oil Stop Transition Connector	054007-42244	conn	3	-	0.5	3	-	conn	60.06	47.37	-
2000T 800-CU	Oil Stop Copper Connector	054007-42264	conn	3		5.1	3	-	conn	74.73	58.95	-
2000T-1/0-CU	Oil Stop Copper Connector	054007-42249	conn	3	-	1.1	3	-	conn	34.00	26.82	-
2000T-1-CU	Oil Stop Copper Connector	054007-42248	conn	9	-	2.9	9	-	conn	32.78	25.86	-
2000T-2/0-CU	Oil Stop Copper Connector	054007-42250	conn	3	-	1.1	3	-	conn	34.00	26.82	-
2000T-2-CU	Oil Stop Copper Connector	054007-42247	conn	9	-	3.0	9	-	conn	32.78	25.86	-
2000T-3/0-CU	Oil Stop Copper Connector	054007-42251	conn	3	-	1.1	3	-	conn	34.00	26.82	-
2000T-3-CU	Oil Stop Copper Connector	054007-42246	conn	9	-	5.0	9	-	conn	32.78	25.86	-
2000T-4/0-CU	Oil Stop Copper Connector	054007-42252	conn	3	-	1.5	3	-	conn	34.00	26.82	-
2000T-4-CU	Oil Stop Copper Connector	054007-42245	conn	9	-	3.2	9	-	conn	32.78	25.86	-
2000T-250-CU	Oil Stop Copper Connector	054007-42253	conn	3	-	1.5	3	-	conn	38.15	30.09	-
2000T-350-CU	Oil Stop Copper Connector	054007-42255	conn	3	-	1.5	3	-	conn	38.15	30.09	-
2000T-400-CU	Oil Stop Copper Connector	054007-42256	conn	3	-	0.5	3	-	conn	42.89	33.83	-
2000T-500-CU	Oil Stop Copper Connector	054007-42258	conn	3	-	3.7	3	-	conn	52.37	41.31	-
2000T-600-CU	Oil Stop Copper Connector	054007-42260	conn	3	-	4.1	3	-	conn	58.51	46.16	-
2000T-700-CU	Oil Stop Copper Connector	054007-42262	conn	3		0.5	3	-	conn	60.34	47.60	-
2000T-750-CU	Oil Stop Copper Connector	054007-42263	conn	3	-	4.8	3	-	conn	64.31	50.73	-
2000T-1000-CU	Oil Stop Copper Connector	054007-42265	conn	3	-	6.4	3	-	conn	84.87	66.94	-
2001	Silicone RTV Foam 8 lb - Part A	051115-08370	each	1	-	9.3	1	-	each	167.32	131.99	-
2001*	Silicone RTV Foam 40 lb kit - Part A (640 fl oz)	051115-07505	each	1	-	42.9	1	-	each	692.93	546.60	-
2001*	Silicone RTV Foam 40 lb kit-Part B (640 fl oz)	051115-07551	each	1	-	40.0	1	-	each	692.93	546.60	-
2001*	Silicone RTV Foam 8 lb - Part B	051115-08371	each	1	-	9.4	1	-	each	167.32	131.99	-
2001*	Silicone RTV Foam Cartridge - Part A & B (7 oz)	051115-07502	kit	12	-	8.8	12	-	kit	23.83	18.80	-
2001*	Silicone RTV Foam 2 lb kit - Part A & B (32 fl oz)	051115-07503	kit	12	-	32.2	12	-	kit	47.81	37.71	-
2104*	Insulating and Sealing Compound Size C (14.82 oz)	054007-31383	cont	10	-	12.0	10	-	cont	33.87	26.71	-
2104*	Insulating and Sealing Compound Size E (10.6 oz)	054007-31187	each	10	-	8.1	10	-	each	24.86	19.61	-
2104*	Insulating and Sealing Compound Size B (7.4 oz)	054007-31382	cont	10	-	6.9	10	-	cont	18.12	14.29	-
2104*	Insulating and Sealing Compound Size A (3.46 oz)	054007-31189	each	10	-	3.9	10	-	each	11.11	8.76	-
2104*	Insulating and Sealing Compound Size D (23.8 oz)	054007-11849	each	10	-	18.2	10	-	each	46.27	36.50	-
2112*	Re-enterable Insulating and Sealing Compound D 21.2 oz	054007-42050	each	10	-	16.1	10	-	each	44.92	35.43	-
2112*	Re-enterable Insulating and Sealing Compound C 12.3 oz	054007-42049	each	10	-	10.2	10	-	each	33.87	26.71	-
2130*	Flame Retardant Compound B 7.6 oz	054007-31401	each	10	1/box	6.9	10	-	each	15.00	11.43	-
2130*	Flame Retardant Compound C 21.7 oz	054007-31402	each	10	1/box	16.6	10	-	each	35.39	26.97	-
2130 (45 LB Drum)*	Flame Retardant Compound 5 Gal (Part A)	054007-50237	lbs	45	-	52.0	45	-	lbs	10.77	8.51	-
2130 (45 LB Drum)*	Flame Retardant Compound 5 Gal (Part B)	054007-50238	lbs	45	-	50.0	54	-	lbs	20.05	15.81	-
2135*	2135 Wet-Niche Potting Kit F (1.83 oz)	054007-69798	each	10	1/box	5.0	1	-	each	22.31	17.60	-
2135 (45 LB Drum)*	Wet-Niche Compound 5 Gal (Part A)	054007-43534	drum	1	-	45.0	1	-	drum	533.75	421.06	-
2135 (47 LB Drum)*	Wet-Niche Potting Compound 5 Gal (Part B)	054007-43535	drum	1	-	52.0	1	-	drum	1036.59	817.73	-
2135M*	Cable Repair Compound Size B 1.83 oz.	054007-50433	each	10	-	6.6	1	-	each	23.34	18.41	-
2155	Rubber Splicing Tape 3/4" X 22'	054007-50348	rls	50	-	17.0	50	-	rls	2.29	1.79	-
2155	Rubber Splicing Tape 1 1/2 X 22'	054007-50349	rls	45	-	29.2	50	-	rls	4.46	3.51	-
2200	Vinyl Mastic 3 1/4" x 4 1/2" (10 pads/box)	054007-11008	pads	50	10 pads/box	4.7	50	-	pads	2.38	1.87	-
2200	Vinyl Mastic 6 1/2" x 4 1/2" (10 pads/box)	054007-21296	pads	50	10 pads/box	9.5	50	-	pads	3.76	2.97	-
2210	Vinyl Mastic 4" x 10'	054007-11222	rls	10	1/box	20.4	10	-	rls	38.15	30.10	-
2220	Stress Control Tape 3/4" X 5'	054007-50426	rls	100	-	13.9	100	-	rls	10.77	8.50	-
2220	Stress Control Tape 3/4" X 15'	054007-50428	rls	100	-	26.0	100	-	rls	29.45	22.43	-
2228	Rubber Mastic Tape 1" x 10'	054007-50727	rls	12	-	5.1	12	-	rls	9.81	7.74	-
2228*	Rubber Mastic Tape 2" X 3'	054007-43478	each	48	-	0.2	48	96	each	5.57	4.81	4.18
2228	Rubber Mastic Tape 2" x 10'	054007-09656	rls	10	-	9.2	10	-	rls	18.68	14.74	-
2229	Mastic Compound Pad 2 1/2" x 3 3/4"	054007-41303	each	40	10 box	2.6	40	-	each	1.28	1.01	-
2229	Mastic Compound 1" x 10'	054007-50335	each	12	-	8.8	12	-	each	7.19	5.67	-
2229	Mastic Compound 3 3/4" x 10'	054007-49702	each	8	-	37.4	8	-	each	23.49	17.90	-
2229-P	Mastic Compound Pad 3 3/4" x 6 1/2"	054007-50337	each	40	-	6.3	40	-	each	2.73	2.15	-
2229-P	Mastic Compound Pad 3 3/4" x 3 3/4"	054007-50336	each	40	10 box	3.6	40	-	each	1.77	1.40	-
2230	Mastic Strip 5/8" X 6" (9 Mil)	054007-41813	each	40	-	2.0	40	-	each	1.40	1.10	-
2237A	Portable Cable Splice Kit	054007-41317	kit	10	-	5.5	50	-	kit	41.76	32.94	-
2238A	Portable Cable Splice Kit	054007-41318	kit	10	-	5.1	50	-	kit	41.76	32.94	-
2242	Linerless Splicing Compound 1 1/2" x 15'	054007-41323	rls	12	1/bag	9.5	12	-	rls	7.70	6.07	-
2242	Linerless Splicing Compound 2" x 15' 1" Core	054007-43251	rls	8	-	5.1	8	-	rls	10.19	8.14	-
2242	Linerless Splicing Compound 3/4" x 15'	054007-06165	rls	24	1/bag	10.1	24	-	rls	4.00	3.15	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
2252	Cable Grounding Kit	054007-08335	kit	10	-	10.5	10	-	kit	29.04	22.91	-
2510	Varnished Cambric Tape 2" x 36 Yd	054007-10711	rls	16	-	13.7	16	-	rls	54.78	43.20	-
2510	Varnished Cambric Tape 36" x 25 yd	054007-15751	rls	1	-	15.3	4	-	rls	620.85	489.74	-
2510	Varnished Cambric Tape 1 1/2" x 36 Yd	054007-10703	rls	24	-	14.4	24	-	rls	41.27	32.55	-
2510	Varnished Cambric Tape 1" x 36 Yd	054007-10687	rls	36	-	16.4	36	-	rls	27.44	21.66	-
2510	Varnished Cambric Tape 3/4" x 36 Yd	054007-10661	rls	48	-	15.8	48	-	rls	20.55	16.21	-
2510	Varnished Cambric Tape 3/4" x 60'	054007-41720	rls	20	1/box 10/ctn	4.5	20	-	rls	16.87	13.31	-
2520	Varnished Cambric Tape 1 1/2" x 36 Yd	054007-04832	rls	24	-	19.0	24	-	rls	52.48	41.39	-
2520	Varnished Cambric Tape 3/4" x 60'	054007-04836	rls	20	1/box 10/ctn	5.0	20	-	rls	18.99	14.98	-
2520	Varnished Cambric Tape 3/4" x 36 Yd	054007-04835	rls	48	-	18.0	48	-	rls	26.25	20.71	-
2520	Varnished Cambric Tape 1" x 36 Yd	054007-04833	rls	36	-	17.9	36	-	rls	34.84	27.49	-
2520	Varnished Cambric Tape 2" x 36 Yd	054007-04834	rls	16	-	16.0	16	-	rls	69.78	55.05	-
3565	Label Protection Tape 96mm X 100m (Bulk)	021200-73154	rls	18	-	20.0	18	-	rls	9.08	7.17	-
3570G*	Scotchcast 3570G Connector Sealing Pack	055128-53241	each	100	10	4.0	1	-	each	1.67	1.31	-
3710	Box Sealing Tape (Clear) 48mm X 100m (Bulk)	021200-18813	rls	36	-	20.0	36	-	rls	1.70	1.34	-
3710	Box Sealing Tape (Tan) 48mm X 100m (Bulk)	021200-18814	rls	36	-	21.3	36	-	rls	1.70	1.34	-
3710	Box Sealing Tape (Clear) 48mm X 50m (Bulk)	021200-14766	rls	36	-	11.0	36	-	rls	0.96	0.76	-
3710	Box Sealing Tape (Tan) 48mm X 50m (Bulk)	021200-14765	rls	36	-	10.4	36	-	rls	0.96	0.76	-
3732	Printed Box Sealing Tape (Red on Tan) 48mm x 50m (Bulk)	021200-72415	rls	36	-	16.0	36	-	rls	3.86	3.05	-
3734	Printed Box Sealing Tape (Red on Tan) 48mm x 50m (Bulk)	021200-72417	rls	36	-	17.0	36	-	rls	3.86	3.05	-
3750	Box Sealing Tape (Clear) 48mm x 50m (Bulk)	051131-06640	rls	36	6 Rls/Pack	16.8	36	-	rls	3.95	3.13	-
3750-1PK	Box Sealing Tape (Tan) 48mm X 50m (1 roll/pack Cello Wrapped)	021200-72439	pack	12		5.4	36	-	pack	4.26	3.37	-
3750-1PK	Box Sealing Tape (Clear) 48mm X 50m (1 roll/pack Cello Wrapped	021200-72441	pack	36	-	16.0	36	-	pack	4.26	3.37	-
3771	Printed Box Sealing Tape (Red on White) 48mm x 100m (Bulk)	021200-72301	rls	36	-	20.0	36	-	rls	3.74	2.94	-
3772	Printed Box Sealing Tape (Red on White) 48mm x 100m (Bulk)	021200-72304	rls	36	-	20.0	36	-	rls	3.74	2.94	-
3773	Printed Box Sealing Tape (Red on White) 48mm x 100m (Bulk)	021200-72307	rls	36	-	20.6	36	-	rls	3.74	2.94	-
3774	Printed Box Sealing Tape (Red on White) 48mm x 100m (Bulk)	021200-72454	rls	36	-	20.6	36	-	rls	3.74	2.94	-
3775	Printed Box Sealing Tape (Red on White) 48mm x 100m (Bulk)	021200-72458	rls	36	-	20.6	36	-	rls	3.74	2.94	-
3939	Duct Tape 1" X 60 Yd (Bulk)	021200-85561	rls	36	-	32.0	36	-	rls	2.90	2.29	-
3939	Duct Tape 2" X 60 Yd (Bulk)	051131-06975	rls	24	-	42.0	24	-	rls	5.85	4.61	-
3939	Duct Tape 3" X 60 Yd (Bulk)	021200-85562	rls	12	-	32.0	12	-	rls	8.75	6.89	-
3939	Duct Tape 4" X 60 Yd (Bulk)	021200-85563	rls	12	-	42.0	12	-	rls	11.67	9.21	-
4560-5*	Armorcast Structural Material (Bulk 5')	051138-57719	rls	5	1	2.0	5	-	rls	26.65	21.03	-
4560-10*	Armorcast Structural Material (Bulk 10')	051138-57717	rls	5	1	3.0	5	-	rls	34.35	27.10	-
4560-15*	Armorcast Structural Material (Bulk 15')	051138-57718	rls	5	1	4.0	5	-	rls	45.03	35.52	-
4604*	Cold Shrink Termination Kit 12 Skirt	054007-50192	kit	1	-	3.8	10	-	kit	995.60	785.35	-
4605*	Cold Shrink Termination Kit 12 Skirt	054007-50193	kit	1	-	4.7	10	-	kit	1106.20	872.59	-
5000	Replenishment Decal 9	054007-56057	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal A	054007-56058	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal O	054007-56072	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal N	054007-56071	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal V	054007-56079	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal M	054007-56070	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 0	054007-56048	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 5	054007-56053	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 6	054007-56054	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal L	054007-56069	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Reflective Lettering Kit	054007-33129	each	1	1	2.4	10	-	each	167.97	132.50	-
5000	Replenishment Decal I	054007-56066	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal E	054007-56062	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 4	054007-56052	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 2	054007-56050	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal X	054007-56081	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal U	054007-56078	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal F	054007-56063	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal C	054007-56060	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal P	054007-56073	each	1000	-	2.0	1000	-	each	0.16	0.13	-

*MSDS Available

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5000	Replenishment Decal –	054007-56084	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 7	054007-56055	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal W	054007-56080	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal D	054007-56061	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal Y	054007-56082	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal B	054007-56059	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 3	054007-56051	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal Z	054007-56083	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal K	054007-56068	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 1	054007-56049	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal H	054007-56065	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal J	054007-56067	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal R	054007-56075	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal Q	054007-56074	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal S	054007-56076	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal G	054007-56064	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal T	054007-56077	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal 8	054007-56056	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5000	Replenishment Decal Blank	054007-56085	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5003	Replenishment Decal H	054007-56141	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal G	054007-56140	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal R	054007-56151	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal N	054007-56147	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 5	054007-56129	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal U	054007-56154	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 2	054007-56126	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal L	054007-56145	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal P	054007-56149	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal Z	054007-56159	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal E	054007-56138	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 4	054007-56128	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal I	054007-56142	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Non-reflective Lettering System	054007-33130	kit	1	1	2.3	10	-	kit	242.74	191.49	-
5003	Replenishment Decal X	054007-56157	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal T	054007-56153	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 0	054007-56124	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal D	054007-56137	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal O	054007-56148	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal F	054007-56139	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal S	054007-56152	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal Y	054007-56158	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal A	054007-56134	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal K	054007-56144	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal B	054007-56135	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal Blank	054007-56161	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal J	054007-56143	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 7	054007-56131	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal M	054007-56146	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal V	054007-56155	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal Q	054007-56150	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 8	054007-56132	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 6	054007-56130	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 9	054007-56133	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 1	054007-56125	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal C	054007-56136	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal W	054007-56156	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal –	054007-56160	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5003	Replenishment Decal 3	054007-56127	each	1000	-	0.7	1000	-	each	0.11	0.09	-
5005	Replenishment Decal B	054007-56173	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal I	054007-56180	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal --	054007-56198	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal Z	054007-56197	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal M	054007-56184	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal X	054007-56195	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal U	054007-56192	each	1000	-	2.0	1000	-	each	0.16	0.13	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5005	Replenishment Decal S	054007-56190	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 5	054007-56167	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 3	054007-56165	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal K	054007-56182	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 2	054007-56164	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal F	054007-56177	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal W	054007-56194	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal R	054007-56189	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 1	054007-56163	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal E	054007-56176	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal C	054007-56174	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal G	054007-56178	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal Blank	054007-56199	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 8	054007-56170	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal Y	054007-56196	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal Q	054007-56188	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Reflective Lettering Kit	054007-56488	kit	1	1	2.4	10	-	kit	150.26	118.54	-
5005	Replenishment Decal 0	054007-56162	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 9	054007-56171	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal A	054007-56172	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal O	054007-56186	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal J	054007-56181	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 7	054007-56169	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal P	054007-56187	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal V	054007-56193	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal D	054007-56175	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal N	054007-56185	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 6	054007-56168	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal 4	054007-56166	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal T	054007-56191	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal L	054007-56183	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5005	Replenishment Decal H	054007-56179	each	1000	-	2.0	1000	-	each	0.16	0.13	-
5012	Decal Holder	054007-33388	each	25	1	1.9	25	-	each	1.50	1.19	-
5025	Replenishment Decal X	054007-56233	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal S	054007-56228	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal I	054007-56218	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 6	054007-56206	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Letter Kit	054007-34385	kit	1	1	6.1	10	-	kit	474.36	374.21	-
5025	Replenishment Decal 2	054007-56202	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal T	054007-56229	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal D	054007-56213	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 9	054007-56209	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 7	054007-56207	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 5	054007-56205	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal G	054007-56216	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal –	054007-56236	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 8	054007-56208	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal F	054007-56215	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal H	054007-56217	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal M	054007-56222	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal B	054007-56211	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal J	054007-56219	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal E	054007-56214	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal L	054007-56221	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal Z	054007-56235	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal Y	054007-56234	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal P	054007-56225	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal N	054007-56223	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal O	054007-56224	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal K	054007-56220	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 4	054007-56204	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 0	054007-56200	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 1	054007-56201	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal U	054007-56230	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal W	054007-56232	each	100	-	6.0	100	-	each	0.56	0.44	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5025	Replenishment Decal A	054007-56210	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal Q	054007-56226	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal R	054007-56227	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal C	054007-56212	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal V	054007-56231	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal 3	054007-56203	each	100	-	6.0	100	-	each	0.56	0.44	-
5025	Replenishment Decal Blank	054007-56237	each	100	-	6.0	100	-	each	0.56	0.44	-
5110-OS	PILC Accessory Oil Stop Kit	054007-43404	each	1	-	2.1	1	-	each	90.81	71.63	-
5111-OS	PILC Accessory Oil Stop Kit	054007-43405	each	1	-	2.5	1	-	each	91.82	72.43	-
5112-OS	PILC Accessory Oil Stop Kit	054007-43406	each	1	-	0.2	1	-	each	95.67	75.46	-
5113-OS	PILC Accessory Oil Stop Kit	054007-43407	each	1	-	2.5	1	-	each	98.38	77.60	-
5300*	Motor Lead Splicing Kit (3 splices/kit)	054007-08317	kit	1	-	0.4	10	-	kit	19.83	15.65	-
5301*	Motor Lead Splicing Kit (3 splices/kit)	054007-12263	kit	1	-	0.5	10	-	kit	31.21	24.62	-
5302*	Motor Lead Splicing Kit (3 splices/kit)	054007-12264	kit	1	-	0.6	10	-	kit	38.15	30.10	-
5303*	Motor Lead Splicing Kit (3 splices/kit)	054007-12265	kit	1	-	0.9	10	-	kit	49.68	39.19	-
5304*	Motor Lead Splicing Kit (3 splices/kit)	054007-12266	kit	1	-	1.6	10	-	kit	62.25	49.10	-
5311*	Motor Lead Splicing Kit (3 splices/kit)	054007-12267	kit	1	-	0.6	10	-	kit	38.80	30.61	-
5312*	Motor Lead Splicing Kit (3 splices/kit)	054007-12268	kit	1	-	1.0	10	-	kit	48.44	38.21	-
5313*	Motor Lead Splicing Kit (3 splices/kit)	054007-12269	kit	1	-	1.1	10	-	kit	58.17	45.90	-
5314*	Motor Lead Splicing Kit (3 splices/kit)	054007-12270	kit	1	-	2.2	10	-	kit	77.57	61.18	-
5316*	Motor Lead Splicing Kit (3 splices/kit)	054007-08313	kit	1	-	14.1	10	-	kit	65.86	51.95	-
5317*	Motor Lead Splicing Kit (3 splices/kit)	054007-08314	kit	1	-	2.0	10	-	kit	69.65	54.94	-
5318*	Motor Lead Splicing Kit (3 splices/kit)	054007-08315	kit	1	-	3.4	10	-	kit	103.41	81.57	-
5319	Motor Lead Splicing Kit (3 splices/kit)	054007-08316	kit	1	-	4.7	10	-	kit	169.11	133.40	-
5321*	Motor Lead Splicing Kit (3 splices/kit)	054007-12271	kit	1	-	2.4	10	-	kit	123.62	97.51	-
5322*	Motor Lead Splicing Kit (3 splices/kit)	054007-12272	kit	1	-	3.2	10	-	kit	152.15	120.02	-
5323*	Motor Lead Splicing Kit (3 splices/kit)	054007-12273	kit	1	-	4.8	10	-	kit	180.67	142.52	-
5324*	Motor Lead Splicing Kit (3 splices/kit)	054007-12274	kit	1	-	5.9	10	-	kit	228.27	180.06	-
5331*	Motor Lead Splicing Kit (3 splices/kit)	054007-12275	kit	1	-	3.0	10	-	kit	126.04	99.42	-
5332*	Motor Lead Splicing Kit (3 splices/kit)	054007-12276	kit	1	-	3.5	10	-	kit	155.14	122.38	-
5333*	Motor Lead Splicing Kit (3 splices/kit)	054007-12277	kit	1	-	6.0	10	-	kit	184.23	145.33	-
5334*	Motor Lead Splicing Kit (3 splices/kit)	054007-12278	kit	1	-	7.0	10	-	kit	232.69	183.56	-
5403*	Molded Rubber Inline Splice Kits 15kV	054007-11818	kit	1	-	2.2	10	-	kit	108.21	85.35	-
5404*	Molded Rubber Inline Splice Kits 15kV	054007-11826	kit	1	-	2.2	10	-	kit	116.67	92.02	-
5405*	Molded Rubber Inline Splice Kits 15kV	054007-11834	kit	1	-	2.0	10	-	kit	120.30	94.90	-
5406*	Molded Rubber Inline Splice Kits 15kV	054007-11842	kit	1	-	2.1	10	-	kit	120.30	94.90	-
5406-CI-350*	Molded Rubber Inline Splice Kits 15kV	054007-41907	kit	1	-	2.8	10	-	kit	129.77	102.37	-
5407*	Molded Rubber Inline Splice Kits 15kV	054007-25602	kit	1	-	3.5	10	-	kit	133.41	105.24	-
5408*	Molded Rubber Inline Splice Kits 15kV	054007-25610	kit	1	-	4.0	10	-	kit	137.34	108.34	-
5408-CI-750*	Molded Rubber Inline Splice Kits 15kV	054007-02314	kit	1	-	4.0	10	-	kit	155.96	123.02	-
5409*	Molded Rubber Inline Splice Kits 15kV	054007-11859	kit	1	-	3.2	10	-	kit	142.33	112.27	-
5409-CI-750*	Molded Rubber Inline Splice Kits 15kV	054007-30209	each	1	-	3.8	10	-	each	160.83	126.87	-
5411*	Molded Rubber Inline Splicing Kit 15kV	054007-11852	kit	1	-	0.7	10	-	kit	38.69	30.53	-
5411-20006*	Molded Rubber Inline Splicing Kit 15kV	054007-11861	kit	1	-	0.8	10	-	kit	51.06	40.28	-
5411A*	Molded Rubber Inline Splicing Kit 15kV	054007-09937	kit	1	-	0.8	10	-	kit	38.69	30.53	-
5411A-20006*	Molded Rubber Inline Splicing Kit 15kV	054007-09940	kit	1	-	0.8	10	-	kit	51.06	40.28	-
5411A-CI-1*	Molded Rubber Inline Splicing Kit 15kV	054007-09938	kit	1	-	0.8	10	-	kit	45.37	35.79	-
5411A-CI-1/0*	Molded Rubber Inline Splicing Kit 15kV	054007-09939	kit	1	-	0.8	10	-	kit	45.37	35.79	-
5411-CI-1/0*	Molded Rubber Inline Splicing Kit 15kV	054007-11855	kit	1	-	0.8	10	-	kit	45.37	35.79	-
5411-CI-1/0-2-10002*	Molded Rubber Inline Splicing Kit 15kV	054007-44274	kit	1	-	1.0	10	-	kit	62.68	49.44	-
5411-CI-2*	Molded Rubber Inline Splicing Kit 15kV	054007-08005	kit	1	-	0.8	10	-	kit	45.37	35.79	-
5411-CI-21*	Molded Rubber Inline Splicing Kit 15kV	054007-11853	kit	1	-	0.8	10	-	kit	45.37	35.79	-
5411-CI-22*	Molded Rubber Inline Splicing Kit 15kV	054007-11854	kit	1	-	0.8	10	-	kit	45.37	35.79	-
5411-CI-T-4*	Molded Rubber Inline Splicing Kit 15kV	054007-50754	kit	1	-	0.8	10	-	kit	50.03		-
5411R*	Molded Rubber Inline Splicing Kit 15kV	054007-09352	kit	1	-	1.4	10	-	kit	91.15	71.90	-
5411R-CIR-1/0*	Molded Rubber Inline Splicing Kit 15kV	054007-09355	kit	1	-	1.6	10	-	kit	103.96	82.00	-
5411R-CIR-1/0-2-10002*	Molded Rubber Inline Splicing Kit 15kV	054007-44273	kit	1	-	1.7	10	-	kit	109.06	86.03	-
5411R-CIR-21*	Molded Rubber Inline Splicing Kit 15kV	054007-09354	kit	1	-	1.6	10	-	kit	103.96	82.00	-
5411R-CIR-22*	Molded Rubber Inline Splicing Kit 15kV	054007-09353	kit	1	-	1.6	10	-	kit	103.96	82.00	-
5412*	Molded Rubber Inline Splicing Kit 15kV	054007-11862	kit	1	-	0.8	10	-	kit	43.97	34.69	-
5412-CI-2/0*	Molded Rubber Inline Splicing Kit 15kV	054007-11865	kit	1	-	0.9	10	-	kit	50.64	39.95	-
5412-CI-3/0*	Molded Rubber Inline Splicing Kit 15kV	054007-11863	kit	1	-	0.9	10	-	kit	50.65	39.95	-
5412-CI-4/0*	Molded Rubber Inline Splicing Kit 15kV	054007-11864	kit	1	-	0.9	10	-	kit	50.65	39.95	-
5412R-CIR-3/0*	Molded Rubber Inline Splicing Kit 15kV	054007-43501	kit	1	-	0.2	10	-	kit	119.70	94.42	-
5412R-CIR-4/0*	Molded Rubber Inline Splicing Kit 15kV	054007-50101	kit	1	-	3.1	10	-	kit	119.71	94.42	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5417*	QSIII Silicone Rubber Splice Kit	054007-42124	kit	1	-	7.4	1	-	kit	304.67	240.33	-
5417-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42125	kit	1	-	7.4	1	-	kit	313.01	246.91	-
5417-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44234	kit	1		7.5	1	-	kit	313.01	246.91	-
5417-500-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42126	kit	1	-	7.5	1	-	kit	314.20	247.85	-
5417-500-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44235	kit	1	-	8.0	1	-	kit	311.02	245.34	-
5417-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04587	kit	1	-	0.2	1	-	kit	323.30	255.02	-
5417-750-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04588	kit	1	-	0.2	1	-	kit	317.09	250.12	-
5418*	QSIII Silicone Rubber Splice Kit	054007-42128	kit	1	-	8.0	1	-	kit	324.46	255.94	-
5418-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42129	kit	1	-	6.5	1	-	kit	343.09	270.63	-
5418-750-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44236	kit	1	-	7.4	1	-	kit	336.88	265.73	-
5418-1000-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42130	kit	1	-	8.3	1	-	kit	349.45	275.64	-
5418-1000-AL-NP*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43949	kit	1	-	0.2	1	-	kit	349.45	275.64	-
5418-1000-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44237	kit	1	-	8.0	1	-	kit	341.12	269.08	-
5420*	Molded Rubber Inline Splice Kit 25kV	054007-15819	kit	1	-	2.2	10	-	kit	127.47	100.55	-
5420-CI-22A*	Molded Rubber Inline Splice Kit 25kV	054007-15820	kit	1	-	2.3	10	-	kit	149.35	117.81	-
5421*	Molded Rubber Inline Splice Kit 25kV	054007-15827	kit	1	-	2.4	10	-	kit	130.80	103.17	-
5422*	Molded Rubber Inline Splice Kit 25kV	054007-15835	kit	1	-	2.1	10	-	kit	131.97	104.11	-
5423*	Molded Rubber Inline Splice Kit 25kV	054007-15843	kit	1	-	3.5	10	-	kit	135.63	107.14	-
5423-CI-350*	Molded Rubber Inline Splice Kit 25kV	054007-08384	kit	1	-	4.7	10	-	kit	144.99	114.37	-
5424*	Molded Rubber Inline Splice Kit 25kV	054007-15850	kit	1	-	3.3	10	-	kit	141.51	111.63	-
5425*	Molded Rubber Inline Splice Kit 25kV	054007-09240	kit	1	-	3.3	10	-	kit	144.03	113.62	-
5426*	Molded Rubber Inline Splice Kit 25kV	054007-09239	kit	1	-	3.2	10	-	kit	144.03	113.62	-
5426-CI-750*	Molded Rubber Inline Splice Kit 25kV	054007-09177	kit	1	-	3.8	10	-	kit	162.50	128.17	-
5432*	Molded Rubber Inline Splice Kit 35kV (includes Connector)	054007-02338	kit	1	-	2.1	10	-	kit	144.62	114.08	-
5432-CI-1/0A*	Molded Rubber Inline Splice Kit 35 kV (Price Includes Connecto	054007-31222	kit	1	-	2.1	10	-	kit	149.05	117.58	-
5432-CI-1A*	Molded Rubber Inline Splice Kit 35 kV (Price Includes Connecto	054007-08357	kit	1	-	2.2	10	-	kit	149.05	117.58	-
5433*	Molded Rubber Inline Splice Kit 35kV (Includes Connector)	054007-02339	kit	1	-	3.7	10	-	kit	150.49	118.71	-
5451*	Molded Rubber Inline Splicing Kit 25kV	054007-09127	kit	1	-	1.7	10	-	kit	72.45	57.15	-
5451A*	Molded Rubber Inline Splicing Kit 25kV	054007-49527	kit	1	-	1.7	10	-	kit	72.45	57.14	-
5451A-CI-1/0-840*	Molded Rubber Inline Splicing Kit 25kV	054007-49528	kit	1	-	1.9	10	-	kit	78.00	61.53	-
5451A-CI-1/0A*	Molded Rubber Inline Splicing Kit 25kV	054007-49530	kit	1	-	1.9	10	-	kit	78.00	61.53	-
5451A-CI-1A*	Molded Rubber Inline Splicing Kit 25kV	054007-49529	kit	1	-	1.9	10	-	kit	78.00	61.53	-
5451A-CI-2/0*	Molded Rubber Inline Splicing Kit 25kV	054007-49531	kit	1	-	2.0	10	-	kit	79.56	62.76	-
5451A-CI-21-840*	Molded Rubber Inline Splicing Kit 25kV	054007-49532	kit	1	-	1.9	10	-	kit	78.00	61.53	-
5451-CI-1/0-840*	Molded Rubber Inline Splicing Kit 25kV	054007-09155	kit	1	-	1.8	10	-	kit	78.00	61.53	-
5451-CI-1/0A*	Molded Rubber Inline Splicing Kit 25kV	054007-09153	kit	1	-	1.8	10	-	kit	78.00	61.53	-
5451-CI-1A*	Molded Rubber Inline Splicing Kit 25kv	054007-09935	kit	1	-	1.8	10	-	kit	78.00	61.53	-
5451-CI-2A*	Molded Rubber Inline Splicing Kit 25kV	054007-09152	kit	1	-	1.5	10	-	kit	78.00	61.53	-
5451-CI-21-840*	Molded Rubber Inline Splicing Kit 25kV	054007-09154	kit	1	-	1.8	10	-	kit	78.00	61.53	-
5451R-CIR-1/0-840*	Molded Rubber Inline Splicing Kit 25/28kV	054007-49477	kit	1	-	3.3	10	-	kit	131.57	103.77	-
5451R-CIR-1/0A*	Molded Rubber Inline Splicing Kit 25/28kV	054007-49476	kit	1	-	3.1	10	-	kit	131.57	103.77	-
5451R-CIR-21-840*	Molded Rubber Inline Splicing Kit 25/28kV	054007-49478	kit	1	-	3.3	10	-	kit	131.57	103.77	-
5451R-CIR-21A*	Molded Rubber Inline Splicing Kit 25/28kV	054007-49479	kit	1	-	3.1	10	-	kit	131.57	103.77	-
5452*	Molded Rubber Inline Splicing Kit 25kV	054007-09128	kit	1	-	1.9	10	-	kit	108.27	85.40	-
5457*	QSIII Silicone Rubber Splice Kit	054007-42149	kit	1	-	7.5	1	-	kit	324.46	255.94	-
5457-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42132	kit	1	-	8.0	1	-	kit	332.80	262.51	-
5457-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44238	kit	1	-	8.0	1	-	kit	330.02	260.31	-
5457-500-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42133	kit	1	-	7.8	1	-	kit	334.00	263.46	-
5457-500-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44239	kit	1	-	8.0	1	-	kit	330.81	260.95	-
5458*	QSIII Silicone Rubber Splice Kit	054007-42908	kit	1	-	9.2	1	-	kit	345.57	272.58	-
5458-500-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04593	kit	1	-	10.1	1	-	kit	355.09	280.10	-
5458-500-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04594	kit	1	-	10.1	1	-	kit	351.91	277.59	-
5458-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42909	kit	1	-	9.3	1	-	kit	364.18	287.27	-
5458-750-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44240	kit	1	-	10.0	1	-	kit	357.98	282.38	-
5458-1000-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42910	kit	1	-	9.7	1	-	kit	370.56	292.30	-
5458-1000-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-44241	kit	1	-	10.2	1	-	kit	362.21	285.72	-
5461*	Molded Rubber Inline Splicing Kit 35kV	054007-09129	kit	1	-	2.0	10	-	kit	103.75	81.84	-
5461-CI-1/0-840*	Molded Rubber Inline Splicing Kit 35 kV	054007-09157	kit	1	-	2.0	10	-	kit	108.67	85.72	-
5461-CI-1/0A*	Molded Rubber Inline Splicing Kit 35kV	054007-09156	kit	1	-	2.0	10	-	kit	108.66	85.71	-
5467*	QSIII Silicone Rubber Splice	054007-43051	kit	1		9.0	1	-	kit	391.32	308.68	-
5467-1/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43052	kit	1		9.0		-	kit	396.16	312.50	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5467-1/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43057	kit	1		9.4	1	-	kit	394.54	311.22	-
5467-2/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43053	kit	1		9.2	1	-	kit	396.47	312.74	-
5467-2/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43058	kit	1		9.5	1	-	kit	394.75	311.39	-
5467-3/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43054	kit	1		9.3	1	-	kit	396.60	312.84	-
5467-3/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43059	kit	1		9.5	1	-	kit	394.89	311.50	-
5467-4/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43055	kit	1		9.3	1	-	kit	397.26	313.36	-
5467-4/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43060	kit	1		9.5	1	-	kit	394.75	311.39	-
5467-250-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43056	kit	1		9.4	1	-	kit	398.59	314.40	-
5467-250-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43061	kit	1		9.5	1	-	kit	396.16	312.50	-
5467-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04589	kit	1	-	9.5	1	-	kit	399.66	315.25	-
5467-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04590	kit	1	-	9.5	1	-	kit	396.87	313.06	-
5468*	QSIII Silicone Rubber Splice Kit	054007-43062	kit	1		11.1	1	-	kit	616.22	486.09	-
5468-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43063	kit	1		12.0	1	-	kit	624.56	492.66	-
5468-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43067	kit	1		12.0	1	-	kit	621.78	490.48	-
5468-500-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43064	kit	1		12.0	1	-	kit	625.76	493.61	-
5468-500-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43068	kit	1		11.0	1	-	kit	622.58	491.10	-
5468-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43065	kit	1		12.0	1	-	kit	634.85	500.78	-
5468-750-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43069	kit	1		12.0	1	-	kit	628.64	495.88	-
5468-1000-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43066	kit	1		12.0	1	-	kit	641.21	505.80	-
5468-1000-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43070	kit	1		12.0	1	-	kit	632.88	499.23	-
5501*	Molded Rubber Inline Splice Kit 15kV	054007-12293	kit	1	-	2.1	3	-	kit	152.56	120.34	-
5501-20006*	Molded Rubber Inline Splice Kit 15kV	054007-09630	kit	1	-	2.1	3	-	kit	157.48	124.23	-
5501-CI-1/0*	Molded Rubber Inline Splice Kit 15kV	054007-09629	kit	1	-	2.1	3	-	kit	157.49	124.23	-
5501-CI-21*	Molded Rubber Inline Splice Kit 15kV	054007-09628	kit	1	-	2.1	3	-	kit	157.49	124.23	-
5502*	Molded Rubber Inline Splice Kit 15kV	054007-12294	kit	1	-	2.2	3	-	kit	161.74	127.59	-
5502-20009*	Molded Rubber Inline Splice Kit 15kV	054007-09634	kit	1	-	2.3	3	-	kit	170.48	134.48	-
5502-CI-2/0*	Molded Rubber Inline Splice Kit 15kV	054007-09631	kit	1	-	2.3	3	-	kit	170.48	134.48	-
5502-CI-3/0*	Molded Rubber Inline Splice Kit 15kV	054007-09632	kit	1	-	2.6	3	-	kit	170.48	134.48	-
5502-CI-4/0*	Molded Rubber Inline Splice Kit 15kV	054007-09633	kit	1	-	2.3	3	-	kit	170.48	134.48	-
5503*	Molded Rubber Inline Splice Kit 15kV	054007-12295	kit	1	-	4.4	3	-	kit	275.12	217.03	-
5503-CI-250*	Molded Rubber Inline Splice Kit 15kV	054007-09635	kit	1	-	4.7	3	-	kit	286.67	226.13	-
5503-CI-350*	Molded Rubber Inline Splice Kit 15kV	054007-09636	kit	1	-	4.6	3	-	kit	286.67	226.13	-
5504*	Molded Rubber Inline Splice Kit 15kV	054007-12296	kit	1	-	6.0	3	-	kit	297.50	234.68	-
5504-CI-500*	Molded Rubber Inline Splice Kit 15kV	054007-09637	kit	1	-	6.3	3	-	kit	309.63	244.24	-
5505*	Molded Rubber Inline Splice Kit 15kV	054007-12297	kit	1	-	5.9	3	-	kit	306.41	241.70	-
5505-CI-750*	Molded Rubber Inline Splice Kit 15kV	054007-09638	kit	1	-	6.4	3	-	kit	327.18	258.08	-
5515	QSIII Silicone Rubber Splice Kit	054007-42134	kit	1	-	8.5	1	-	kit	345.35	272.42	-
5515-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42135	kit	1	-	8.7	1	-	kit	353.69	278.99	-
5515-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42898	kit	1	-	8.8	1	-	kit	350.91	276.80	-
5515-500-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42899	kit	1	-	9.0	1	-	kit	354.88	279.94	-
5515-500-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42136	kit	1	-	9.0	1	-	kit	351.70	277.42	-
5515-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42900	kit	1	-	9.0	1	-	kit	363.98	287.11	-
5515-750-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42137	kit	1	-	9.0	1	-	kit	357.77	282.20	-
5516*	QSIII Silicone Rubber Splice Kit	054007-42139	kit	1	-	7.6	1	-	kit	427.94	337.56	-
5516-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43254	kit	1	-	9.8	1	-	kit	446.56	352.25	-
5516-750-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43255	kit	1	-	9.0	1	-	kit	440.34	347.35	-
5516-1000-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42901	kit	1	-	8.5	1	-	kit	452.92	357.28	-
5516-1000-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42106	kit	1	-	8.4	1	-	kit	447.62	353.08	-
5525*	QSIII Silicone Rubber Splice Kit	054007-42138	kit	1	-	8.0	1	-	kit	439.12	346.38	-
5525-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42140	kit	1	-	8.5	1	-	kit	447.45	352.96	-
5525-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42902	kit	1	-	8.5	1	-	kit	444.68	350.77	-
5525-500-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42141	kit	1	-	8.5	1	-	kit	448.65	353.90	-
5525-500-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42903	kit	1	-	8.5	1	-	kit	445.46	351.39	-
5525-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42904	kit	1	-	9.0	1	-	kit	457.75	361.07	-
5525-750-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42127	kit	1	-	11.0	1	-	kit	451.53	356.17	-
5526*	QSIII Silicone Rubber Splice Kit	054007-42905	kit	1	-	9.7	1	-	kit	547.44	431.84	-
5526-500-AL*	QSIII Splice Kit	054007-04597	kit	1	-	9.5	1	-	kit	556.98	439.35	-
5526-500-CU*	QSIII Splice Kit	054007-04598	kit	1	-	9.5	1	-	kit	553.80	436.85	-
5526-750-AL*	QSIII Splice Kit	054007-04595	kit	1	-	9.8	1	-	kit	566.07	446.53	-
5526-750-CU*	QSIII Splice Kit	054007-04596	kit	1	-	9.5	1	-	kit	559.86	441.63	-
5526-1000-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42906	kit	1	-	11.0	1	-	kit	572.43	451.54	-
5526-1000-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-42907	kit	1	-	9.5	1	-	kit	564.10	444.98	-
5535*	QSIII Silicone Rubber Splice Kit	054007-43071	kit	1		10.1	1	-	kit	565.03	445.71	-
5535-1/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43072	kit	1		10.2	1	-	kit	569.86	449.52	-
5535-1/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43077	kit	1		10.3	1	-	kit	568.25	448.25	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5535-2/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43073	kit	1		10.2	1	-	kit	570.18	449.77	-
5535-2/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43078	kit	1		10.3	1	-	kit	568.47	448.41	-
5535-3/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43074	kit	1		10.3	1	-	kit	570.39	449.94	-
5535-3/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43079	kit	1		10.4	1	-	kit	568.60	448.52	-
5535-4/0-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43075	kit	1		10.5	1	-	kit	570.98	450.39	-
5535-4/0-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43080	kit	1		10.5	1	-	kit	569.04	448.87	-
5535-250-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43076	kit	1		10.7	1	-	kit	572.29	451.43	-
5535-250-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43081	kit	1		10.7	1	-	kit	569.86	449.52	-
5535-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04591	kit	1	-	10.7	1	-	kit	573.40	452.31	-
5535-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-04592	kit	1	-	10.7	1	-	kit	570.59	450.10	-
5536*	QSIII Silicone Rubber Splice Kit	054007-43082	kit	1		12.1	1	-	kit	773.01	609.76	-
5536-350-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43083	kit	1		12.2	1	-	kit	781.34	616.34	-
5536-350-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43087	kit	1		12.0	1	-	kit	778.56	614.14	-
5536-500-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43084	kit	1		12.3	1	-	kit	782.53	617.27	-
5536-500-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43088	kit	1		12.3	1	-	kit	779.35	614.76	-
5536-750-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43085	kit	1		12.4	1	-	kit	791.62	624.44	-
5536-750-CU	QSIII Silicone Rubber Splice Kit w/Conn	054007-43089	kit	1		12.3	1	-	kit	785.42	619.55	-
5536-1000-AL*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43086	kit	1		12.5	1	-	kit	797.99	629.47	-
5536-1000-CU*	QSIII Silicone Rubber Splice Kit w/Conn	054007-43090	kit	1		12.5	1	-	kit	789.65	622.89	-
5551*	Cold Shrink Rubber Splice Kit 5kV (3 splices/kit)	054007-09089	kit	1	-	7.1	3	-	kit	420.80	331.93	-
5552*	Cold Shrink Rubber Splice Kit 5kV (3 splices/kit)	054007-09090	kit	1	-	9.7	3	-	kit	517.77	408.43	-
5553*	Cold Shrink Rubber Splice Kit 5kV (3 splices/kit)	054007-09091	kit	1	-	14.2	3	-	kit	617.81	487.34	-
5601*	Cold Shrink Termination Kit 4 Skirt CN	054007-02427	kit	1	-	0.5	10	-	kit	42.21	33.29	-
5601-1/0*	Cold Shrink Termination Kit 4 Skirt CN	054007-02422	kit	1	-	0.7	10	-	kit	56.93	44.90	-
5601-2*	Cold Shrink Termination Kit 4 Skirt CN	054007-13550	kit	1	-	0.8	10	-	kit	56.93	44.90	-
5601-2/0*	Cold Shrink Termination Kit 4 Skirt CN	054007-02423	kit	1	-	1.0	10	-	kit	62.12	49.00	-
5601-3/0*	Cold Shrink Termination Kit 4 Skirt CN	054007-02424	kit	1	-	1.0	10	-	kit	62.12	49.00	-
5601-4/0*	Cold Shrink Termination Kit 4 Skirt CN	054007-13544	kit	1	-	1.0	10	-	kit	62.12	49.00	-
5601-22*	Cold Shrink Termination Kit 4 Skirt CN	054007-13563	kit	1	-	0.8	10	-	kit	56.93	44.90	-
5602*	Cold Shrink Termination Kit 4 Skirt CN	054007-11882	kit	1	-	0.7	10	-	kit	61.55	48.55	-
5603*	Cold Shrink Termination Kit 4 Skirt CN	054007-11885	kit	1	-	0.9	10	-	kit	86.17	67.98	-
5604*	Cold Shrink Termination Kit 8 Skirt CN	054007-08002	kit	1	-	1.0	10	-	kit	102.00	80.47	-
5605*	Cold Shrink Termination Kit 8 Skirt CN	054007-11888	kit	1	-	1.2	10	-	kit	121.34	95.71	-
5606*	Cold Shrink Termination Kit 8 Skirt CN	054007-11893	kit	1	-	1.5	10	-	kit	138.92	109.59	-
5607*	Cold Shrink Termination Kit 8 Skirt CN	054007-11897	kit	1	-	1.8	10	-	kit	174.09	137.33	-
5608*	Cold Shrink Termination Kit 8 Skirt CN	054007-09168	kit	1	-	2.3	10	-	kit	457.23	360.67	-
5611A*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49549	kit	1	-	0.5	10	-	kit	70.62	55.71	-
5612A*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49550	kit	1	-	0.9	10	-	kit	74.37	58.66	-
5613A*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49551	kit	1	-	0.9	10	-	kit	80.34	63.37	-
5614A*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49552	kit	1	-	1.1	10	-	kit	85.00	67.04	-
5621K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-12250	kit	1	-	1.3	10	-	kit	169.27	133.52	-
5622K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-12251	kit	1	-	1.4	10	-	kit	182.07	143.62	-
5623K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-12252	kit	1	-	1.8	10	-	kit	194.59	153.49	-
5624K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-12254	kit	1	-	2.0	10	-	kit	250.20	197.35	-
5625K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-12255	kit	1	-	3.0	10	-	kit	299.41	236.18	-
5632K*	Cold Shrink Termination Kit-Skirted (3 terms/kit)	054007-49681	kit	1	-	2.1	10	-	kit	290.00	228.76	-
5633K*	Cold Shrink Termination Kit-Skirted (3 terms/kit)	054007-12256	kit	1	-	2.5	10	-	kit	329.73	260.09	-
5635K*	Cold Shrink Termination Kit-Skirted (3 terms/kit)	054007-12257	kit	1	-	3.1	10	-	kit	395.09	311.65	-
5636K*	Cold Shrink Termination Kit-Skirted (3 terms/kit)	054007-12258	kit	1	-	3.8	10	-	kit	489.46	386.09	-
5637K*	Cold Shrink Termination Kit-Skirted (3 terms/kit)	054007-12259	kit	1	-	4.4	10	-	kit	524.45	413.69	-
5641*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11963	kit	1	-	0.7	10	-	kit	49.24	38.84	-
5641-1/0*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11964	kit	1	-	0.9	10	-	kit	63.81	50.34	-
5641-1/0-MB3*	Cold Shrink Termination Kit 4 Skirt JCN	054007-70501	kit	1	-	1.4	10	-	kit	76.85	60.62	-
5641-2*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11965	kit	1	-	0.9	10	-	kit	63.81	50.34	-
5641-2/0*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11967	kit	1	-	1.1	10	-	kit	69.00	54.43	-
5641-22*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11968	kit	1	-	0.9	10	-	kit	63.81	50.34	-
5642*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11970	kit	1	-	0.9	10	-	kit	65.07	51.33	-
5642-3/0*	Cold Shrink Termination Kit 4 Skirt JCN	054007-70502	kit	1	-	0.9	10	-	kit	84.52	66.68	-
5642-4/0*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11971	kit	1	-	1.3	10	-	kit	84.52	66.68	-
5643*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11972	kit	1	-	1.0	10	-	kit	98.36	77.59	-
5644*	Cold Shrink Termination Kit 4 Skirt JCN	054007-11973	kit	1	-	1.2	10	-	kit	109.38	86.28	-
5644-MB6*	Cold Shrink Termination Kit - Shielded Cable	054007-42122	each	1	-	2.0	10	-	each	166.58	131.40	-
5646*	Cold Shrink Termination Kit 8 Skirt JCN	054007-11975	kit	1	-	1.3	10	-	kit	138.69	109.41	-
5646-1/0*	Cold Shrink Termination Kit 8 Skirt JCN	054007-70507	kit	1	-	1.5	10	-	kit	151.49	119.49	-
5646-1/0-MB4*	Cold Shrink Termination Kit 8 Skirt JCN	054007-70508	each	1	-	2.0	10	-	each	172.41	136.00	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5646-2*	Cold Shrink Termination Kit 8 Skirt JCN	054007-70509	kit	1	-	1.5	10	-	kit	151.49	119.49	-
5646-2/0*	Cold Shrink Termination Kit 8 Skirt JCN	054007-70510	kit	1	-	1.5	10	-	kit	156.67	123.58	-
5646-3/0*	Cold Shrink Termination Kit 8 Skirt JCN	054007-70511	kit	1	-	1.5	10	-	kit	156.67	123.58	-
5647*	Cold Shrink Termination Kit 8 Skirt JCN	054007-11976	kit	1	-	1.8	10	-	kit	170.14	134.21	-
5647-4/0*	Cold Shrink Termination Kit 8 Skirt JCN	054007-70512	kit	1	-	2.1	10	-	kit	187.49	147.89	-
5648*	Cold Shrink Termination Kit 8 Skirt JCN	054007-11977	kit	1	-	2.0	10	-	kit	190.07	149.93	-
5649*	Cold Shrink Termination Kit 8 Skirt JCN	054007-09958	kit	1	-	2.6	10	-	kit	435.38	343.43	-
5651*	Cold Shrink Termination Kit 6 Skirt JCN	054007-09132	kit	1	-	0.9	10	-	kit	58.14	45.87	-
5651-1/0*	Cold Shrink Termination Kit 6 Skirt JCN	054007-70527	kit	1	-	1.1	10	-	kit	72.54	57.22	-
5651-2*	Cold Shrink Termination Kit 6 Skirt JCN	054007-70528	kit	1	-	1.0	10	-	kit	72.54	57.22	-
5651-22*	Cold Shrink Termination Kit 6 Skirt JCN	054007-70530	kit	1	-	1.5	10	-	kit	72.54	57.22	-
5652*	Cold Shrink Termination Kit 6 Skirt JCN	054007-69791	each	1	-	1.2	10	-	each	84.93	66.99	-
5652-1/0*	Cold Shrink Termination Kit 6 Skirt JCN	054007-04818	kit	1	-	1.3	10	-	kit	98.79	77.93	-
5652-2/0*	Cold Shrink Termination Kit 6 Skirt JCN	054007-70529	kit	1	-	1.5	10	-	kit	103.97	82.02	-
5652-3/0*	Cold Shrink Termination Kit 6 Skirt JCN	054007-70531	kit	1	-	1.5	10	-	kit	103.97	82.02	-
5652-4/0*	Cold Shrink Termination Kit 6 Skirt JCN	054007-50757	each	1	-	1.6	10	-	each	103.97	82.01	-
5653*	Cold Shrink Termination Kit 6 Skirt JCN	054007-69792	each	1	-	1.5	10	-	each	102.53	80.89	-
5654*	Cold Shrink Termination Kit 6 Skirt JCN	054007-69793	each	1	-	1.5	10	-	each	118.91	93.80	-
5661*	Cold Shrink Termination Kit-Shielded Cable	054007-08945	kit	1	-	0.7	10	-	kit	120.00	94.66	-
5662*	Cold Shrink Termination Kit-Shielded Cable	054007-08946	kit	1	-	1.2	10	-	kit	143.79	113.42	-
5663*	Cold Shrink Termination Kit-Shielded Cable	054007-08947	kit	1	-	1.4	10	-	kit	161.96	127.76	-
5664*	Cold Shrink Termination Kit-Shielded Cable	054007-08948	kit	1	-	1.6	10	-	kit	182.20	143.74	-
5666*	Cold Shrink Termination Kit 8 Skirt	054007-41791	kit	1	-	0.0	10	-	kit	189.28	149.32	-
5667*	Cold Shrink Termination Kit 8 Skirt	054007-41792	kit	1	-	0.0	10	-	kit	255.40	201.46	-
5668*	Cold Shrink Termination Kit 8 Skirt	054007-41793	kit	1	-	0.0	10	-	kit	283.02	223.25	-
5671*	Cold Shrink Termination Kit-Non-Skirted	054007-33798	kit	10	-	2.6	10	-	kit	26.59	20.97	-
5672*	Cold Shrink Termination Kit-Non-Skirted	054007-33799	kit	10	-	3.8	10	-	kit	32.88	25.94	-
5681*	Cold Shrink Termination Kit 6 Skirt CN	054007-09133	kit	1	-	0.8	10	-	kit	57.68	45.50	-
5681-1/0*	Cold Shrink Termination Kit 6 Skirt CN	054007-70491	kit	1	-	0.8	10	-	kit	72.08	56.87	-
5681-2*	Cold Shrink Termination Kit 6 Skirt CN	054007-70492	kit	1	-	0.8	10	-	kit	72.08	56.87	-
5681-22*	Cold Shrink Termination Kit 6 Skirt CN	054007-70515	kit	1	-	0.8	10	-	kit	72.08	56.87	-
5682*	Cold Shrink Termination Kit 6 Skirt CN	054007-69794	kit	1	-	1.5	10	-	kit	81.11	63.97	-
5682-2/0*	Cold Shrink Termination Kit 6 Skirt CN	054007-70516	kit	1	-	1.5	10	-	kit	100.24	79.07	-
5682-3/0*	Cold Shrink Termination Kit 6 Skirt CN	054007-70517	kit	1	-	1.5	10	-	kit	100.24	79.07	-
5682-4/0*	Cold Shrink Termination Kit 6 Skirt CN	054007-70518	kit	1	-	1.5	10	-	kit	100.24	79.07	-
5683*	Cold Shrink Termination Kit 6 Skirt CN	054007-69795	kit	1	-	1.5	10	-	kit	100.66	79.41	-
5684*	Cold Shrink Termination Kit 6 Skirt CN	054007-69796	kit	1	-	1.5	10	-	kit	115.92	91.44	-
5691K*	Cold Shrink Termination Kit 6 Skirt (3 splices/kit)	054007-49395	kit	1	-	3.1	10	-	kit	522.09	411.84	-
5692K*	Cold Shrink Termination Kit 6 Skirt (3 splices/kit)	054007-49396	kit	1	-	3.8	10	-	kit	615.19	485.27	-
5693K*	Cold Shrink Termination Kit 6 Skirt (3 splices/kit)	054007-49397	kit	1	-	4.8	10	-	kit	788.37	621.88	-
5694K*	Cold Shrink Termination Kit 6 Skirt (3 splices/kit)	054007-49398	kit	1	-	5.3	10	-	kit	901.08	710.80	-
5696K*	Cold Shrink Termination Kit 6 Skirt (3 splices/kit)	054007-49399	kit	1	-	4.7	10	-	kit	677.33	534.29	-
5697K*	Cold Shrink Termination Kit 6 Skirt (3 splices/kit)	054007-49400	kit	1	-	5.8	10	-	kit	827.77	652.96	-
5698K*	Cold Shrink Termination Kit 6 Skirt (3 splices/kit)	054007-49401	kit	1	-	6.2	10	-	kit	946.12	746.31	-
5701*	Tape Termination Kits (3 terminations/kit)	054007-11248	kit	1	-	1.5	3	-	kit	115.63	91.21	-
5702*	Tape Termination Kits (3 terminations/kit)	054007-11255	kit	1	-	2.3	3	-	kit	144.42	113.92	-
5703*	Tape Termination Kits (3 terminations/kit)	054007-11263	kit	1	50/box	2.3	3	-	kit	155.86	122.95	-
5717*	Tape Splice Kits- Shielded Cable (3 splices/kit)	054007-12030	kit	1	-	8.2	3	-	kit	404.93	319.41	-
5718*	Tape Splice Kits- Shielded Cable (3 splices/kit)	054007-12048	kit	1	-	9.1	3	-	kit	455.22	359.08	-
5719*	Tape Splice Kits- Shielded Cable (3 splices/kit)	054007-12055	kit	1	-	12.7	3	-	kit	625.40	493.32	-
5720*	Tape Splice Kits- Shielded Cable (3 splices/kit)	054007-12063	kit	1	-	17.9	3	-	kit	756.76	596.95	-
5730	3-Core Low Voltage Splice Kit	054007-43171	kit	1	-	1.3	10	-	kit	63.07	49.75	-
5731	3-Core Low Voltage Splice Kit	054007-43172	kit	1	-	1.5	10	-	kit	81.99	64.67	-
5732	3-Core Low Voltage Splice Kit	054007-43173	kit	1	-	3.0	10	-	kit	98.87	77.99	-
5733	3-Core Low Voltage Splice Kit	054007-43174	kit	1	-	5.7	10	-	kit	144.21	113.75	-
5734	3-Core Low Voltage Splice Kit	054007-43175	kit	1	-	5.8	10	-	kit	185.25	146.13	-
5735	3-Core Low Voltage Splice Kit	054007-43176	kit	1	-	6.3	10	-	kit	266.60	210.30	-
5741*	Cold Shrink Splice Kits-Non-Shielded Cable (3 splices/kit)	054007-49491	kit	1	-	2.1	10	-	kit	105.65	83.33	-
5742*	Cold Shrink Splice Kits-Non-Shielded Cable (3 splices/kit)	054007-49492	kit	1	-	2.9	10	-	kit	114.31	90.17	-
5743*	Cold Shrink Splice Kits-Non-Shielded Cable (3 splices/kit)	054007-49493	kit	1	-	5.0	10	-	kit	139.20	109.80	-
5751*	Three Conductor Inline Splicing Kit to 5kV	054007-08310	kit	1	-	6.0	3	-	kit	440.87	347.77	-
5752*	Three Conductor Inline Splicing Kit to 5kV	054007-08311	kit	1	-	14.8	3	-	kit	498.72	393.40	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5753*	Three Conductor Inline Splicing Kit to 5kV	054007-08312	kit	1	-	34.2	3	-	kit	755.12	595.64	-
5761*	Three Conductor Inline Splicing Kit 5-15kV	054007-12260	kit	1	-	16.5	3	-	kit	963.34	759.90	-
5762*	Three Conductor Inline Splicing Kit 5-15kV	054007-12262	kit	1	-	36.4	3	-	kit	1322.25	1043.01	-
5777-MT*	Three Conductor Inline Splicing Kit 5-15kV	054007-04251	kit	1	-	26.2	1	-	kit	1315.27	1037.57	-
5777-S-MT*	QS-III Three Conductor Splice Kit	054007-43108	kit	1		0.2	1	-	kit	1289.97	1017.61	-
5787-MT*	QS-III Three Conductor Splice Kit	054007-43421	kit	1		0.2	1	-	kit	2178.15	1718.26	-
5788-MT*	QS-III Three Conductor Splice Kit	054007-43422	kit	1		0.2	1	-	kit	2735.57	2157.99	-
5797-MT*	QS-III Three Conductor Splice Kit	054007-43419	kit	1		24.0	1	-	kit	7259.01	5726.36	-
5797-MT-4/0-CU*	QS-III Three Conductor Splice Kit	054007-04295	kit	1	-	0.2	3	-	kit	2515.75	1984.58	-
5798-MT*	QS-III Three Conductor Splice Kit	054007-43420	kit	1		44.5	1	-	kit	3437.23	2711.50	-
5798-MT-500-CU*	QS-III Three Conductor Splice Kit	054007-04562	kit	1	-	48.0	3	-	kit	3444.67	2717.38	-
5801-Pb*	Cold Shrink Termination Kit - PILC Cable	054007-50448	kit	1	-	2.1	10	-	kit	244.62	192.95	-
5801-Pb-1/0*	Cold Shrink Termination Kit - PILC Cable	054007-50449	kit	1	-	2.2	10	-	kit	249.93	197.15	-
5801-Pb-2*	Cold Shrink Termination Kit - PILC Cable	054007-50451	kit	1	-	2.2	10	-	kit	248.51	196.03	-
5801-Pb-2/0*	Cold Shrink Termination Kit - PILC Cable	054007-50450	kit	1	-	2.2	10	-	kit	250.90	197.92	-
5802-Pb*	Cold Shrink Termination Kit - PILC Cable	054007-50452	kit	1	-	2.4	10	-	kit	274.32	216.38	-
5802-Pb-3/0*	Cold Shrink Termination Kit - PILC Cable	054007-50453	kit	1	-	2.6	10	-	kit	281.83	222.31	-
5802-Pb-4/0*	Cold Shrink Termination Kit - PILC Cable	054007-50454	kit	1	-	2.5	10	-	kit	283.82	223.88	-
5802-Pb-250*	Cold Shrink Termination Kit - PILC Cable	054007-50455	kit	1	-	2.7	10	-	kit	291.76	230.15	-
5803-Pb*	Cold Shrink Termination Kit - PILC Cable	054007-50456	kit	1	-	2.9	10	-	kit	296.39	233.79	-
5803-Pb-350*	Cold Shrink Termination Kit - PILC Cable	054007-50457	kit	1	-	3.1	10	-	kit	316.06	249.31	-
5803-Pb-500*	Cold Shrink Termination Kit - PILC Cable	054007-50458	kit	1	-	3.6	10	-	kit	328.63	259.23	-
5804-Pb*	Cold Shrink Termination Kit - PILC Cable	054007-50459	kit	1	-	3.3	10	-	kit	392.48	309.59	-
5806-Pb*	Cold Shrink Termination Kit - PILC Cable	054007-50460	kit	1	-	2.6	10	-	kit	314.51	248.09	-
5806-Pb-1/0*	Cold Shrink Termination Kit - PILC Cable	054007-50461	kit	1	-	2.7	10	-	kit	319.80	252.28	-
5806-Pb-2*	Cold Shrink Termination Kit - PILC Cable	054007-50462	kit	1	-	2.7	10	-	kit	318.38	251.15	-
5807-Pb*	Cold Shrink Termination Kit - PILC Cable	054007-50463	kit	1	-	3.1	10	-	kit	392.26	309.42	-
5807-Pb-2/0*	Cold Shrink Termination Kit - PILC Cable	054007-50464	kit	1	-	3.0	10	-	kit	398.52	314.36	-
5807-Pb-3/0*	Cold Shrink Termination Kit - PILC Cable	054007-50465	kit	1	-	3.2	10	-	kit	399.76	315.33	-
5807-Pb-4/0*	Cold Shrink Termination Kit - PILC Cable	054007-50466	kit	1	-	3.3	10	-	kit	401.77	316.92	-
5807-Pb-250*	Cold Shrink Termination Kit - PILC Cable	054007-50467	kit	1	-	3.4	10	-	kit	409.71	323.18	-
5808-Pb*	Cold Shrink Termination Kit - PILC Cable	054007-50468	kit	1	-	3.5	10	-	kit	455.86	359.59	-
5808-Pb-350*	Cold Shrink Termination Kit - PILC Cable	054007-50469	kit	1	-	3.7	10	-	kit	475.52	375.11	-
5808-Pb-500*	Cold Shrink Termination Kit - PILC Cable	054007-50470	kit	1	-	3.7	10	-	kit	488.11	385.03	-
5810-A*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04656	each	0	-	3.0	1	-	each	82.65	65.20	-
5810-A-1*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04660	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-A-1/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04767	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-A-2*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04768	each	1	-	3.0	1	-	each	91.44	72.13	-
5810-A-2/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04769	each	1	-	3.1	1	-	each	91.44	72.13	-
5810-A-3*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04813	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-A-3/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04770	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-A-4/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04771	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-B*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04657	each	1	-	0.2	1	-	each	82.65	65.20	-
5810-B-1*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04772	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-B-1/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04773	each	1	-	1.0	1	-	each	91.44	72.13	-
5810-B-2*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04774	each	1	-	3.1	1	-	each	91.44	72.13	-
5810-B-2/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04775	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-B-3/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04776	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-B-4/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04778	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-B-250*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04777	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-BI-15*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04662	each	1	-	1.5	1	-	each	79.13	62.42	-
5810-C*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04659	each	1	-	0.2	1	-	each	82.65	65.20	-
5810-C-2/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04780	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-C-3/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04782	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-C-4/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04783	each	1	-	3.0	1	-	each	91.44	72.13	-
5810-C-250*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04781	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-CA*	Loadbreak Elbow Connector	054007-04641	each	1	-	0.2	1	-	each	100.24	79.07	-
5810-CA-1*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04784	each	1	-	0.2	1	-	each	109.03	86.01	-
5810-CA-2*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04785	each	1	-	0.2	1	-	each	109.03	86.01	-
5810-CB*	Loadbreak Elbow Connector	054007-04642	each	1	-	0.2	1	-	each	100.24	79.07	-
5810-CB-1*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04787	each	1	-	0.2	1	-	each	109.03	86.01	-
5810-CB-1/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04788	each	1	-	0.2	1	-	each	109.03	86.01	-
5810-CB-2*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04789	each	1	-	0.2	1	-	each	109.03	86.01	-
5810-CB-2/0*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04790	each	1	-	0.2	1	-	each	109.03	86.01	-
5810-CB-4*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04817	each	1	-	0.2	1	-	each	109.03	86.01	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5810-D*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04670	each	1	-	0.2	1	-	each	82.65	65.20	-
5810-D-250*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04793	each	1	-	0.2	1	-	each	91.44	72.13	-
5810-PC-15*	15kv-200A Industrial Loadbreak Elbow Connector	054007-04664	each	1	-	0.2	1	-	each	61.55	48.55	-
5811-B*	200 Amp Industrial Loadbreak Elbow	054007-43586	each	1	-	5.2	1	-	each	114.31	90.17	-
5811-B-2*	200 Amp Industrial Loadbreak Elbow	054007-43588	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-B-3*	200 Amp Industrial Loadbreak Elbow	054007-43587	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-BI-25*	200 Amp Industrial Loadbreak Elbow Bushing Insert	054007-43776	each	1	-	1.9	1	-	each	109.03	86.01	-
5811-C*	200 Amp Industrial Loadbreak Elbow	054007-43589	each	1	-	3.3	1	-	each	114.31	90.17	-
5811-C-1*	200 Amp Industrial Loadbreak Elbow	054007-43592	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-C-1/0*	200 Amp Industrial Loadbreak Elbow	054007-43593	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-C-2*	200 Amp Industrial Loadbreak Elbow	054007-43591	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-C-2/0*	200 Amp Industrial Loadbreak Elbow	054007-43594	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-C-3*	200 Amp Industrial Loadbreak Elbow	054007-43590	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-C-3/0*	200 Amp Industrial Loadbreak Elbow	054007-43601	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-D*	200 Amp Industrial Loadbreak Elbow	054007-43602	each	1	-	0.2	1	-	each	114.31	90.17	-
5811-D-1/0*	200 Amp Industrial Loadbreak Elbow	054007-43603	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-D-2/0*	200 Amp Industrial Loadbreak Elbow	054007-43604	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-D-4/0*	200 Amp Industrial Loadbreak Elbow	054007-43606	each	1	-	0.2	1	-	each	123.10	97.10	-
5811-PC-25*	200 Amp Industrial Loadbreak Elbow Protective Cap	054007-43777	each	1	-	1.5	1	-	each	93.21	73.52	-
5815-A0S-1/0*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41450	each	1	-	4.0	10	-	each	236.35	186.44	-
5815-A0S-2*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41452	each	1	-	0.0	10	-	each	236.35	186.44	-
5815-A0S-2/0*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41451	each	1	-	0.0	10	-	each	236.35	186.44	-
5815-A0S-4/0*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41455	each	1	-	0.0	10	-	each	236.35	186.44	-
5815-A0S-250*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41453	each	1	-	0.0	10	-	each	247.70	195.38	-
5815-A0S-350*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41454	each	1	-	3.7	10	-	each	247.70	195.38	-
5815-A0S-500*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41456	each	1	-	4.0	10	-	each	247.70	195.38	-
5815-A0S-750*	Modular Splice Oil Stop (Aluminum Connector) Adaptor Kit	054007-41457	each	1	-	3.5	10	-	each	273.28	215.58	-
5815-AC0S-1/0*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41442	each	1	-	0.0	10	-	each	259.07	204.36	-
5815-AC0S-2*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41444	each	1	-	0.0	10	-	each	259.07	204.36	-
5815-AC0S-2/0*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41443	each	1	-	3.9	10	-	each	259.07	204.36	-
5815-AC0S-4/0*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41447	each	1	-	3.5	10	-	each	259.07	204.36	-
5815-AC0S-250*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41445	each	1	-	0.0	10	-	each	272.70	215.11	-
5815-AC0S-350*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41446	each	1	-	0.0	10	-	each	272.70	215.11	-
5815-AC0S-500*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41448	each	1	-	4.0	10	-	each	272.70	215.11	-
5815-AC0S-750*	Modular Splice Oil Stop (Copper Connector) Adaptor Kit	054007-41449	each	1	-	4.3	10	-	each	295.44	233.05	-
5815-B1*	Modular Splice Adapter	054007-04235	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B2*	Modular Splice Adapter	054007-04237	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B3*	Modular Splice Adapter	054007-04238	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B4*	Modular Splice Adapter	054007-04239	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B5*	Modular Splice Adapter	054007-04244	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B6*	Modular Splice Adapter	054007-04259	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B7*	Modular Splice Adapter	054007-04260	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B8*	Modular Splice Adapter	054007-04261	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B9*	Modular Splice Adapter	054007-04262	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B10*	Modular Splice Adapter	054007-04263	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B11*	Modular Splice Adapter	054007-04264	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B12*	Modular Splice Adapter	054007-04603	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B13*	Modular Splice Adapter	054007-04266	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B14*	Modular Splice Adapter	054007-04267	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B15*	Modular Splice Adapter	054007-04268	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B16*	Modular Splice Adapter	054007-04269	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B17*	Modular Splice Adapter	054007-04570	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B18*	Modular Splice Adapter	054007-04571	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B19*	Modular Splice Adapter	054007-04572	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B20*	Modular Splice Adapter	054007-04573	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B21*	Modular Splice Adapter	054007-04574	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B22*	Modular Splice Adapter	054007-04575	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B23*	Modular Splice Adapter	054007-04576	each	1	-	0.2	1	-	each	100.75	79.47	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
5815-B24*	Modular Splice Adapter	054007-04577	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B25*	Modular Splice Adapter	054007-04578	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B26*	Modular Splice Adapter	054007-04579	each	1	-	2.3	1	-	each	100.75	79.47	-
5815-B27*	Modular Splice Adapter	054007-04581	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B28*	Modular Splice Adapter	054007-04582	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B29*	Modular Splice Adapter	054007-43437	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B30*	Modular Splice Adapter	054007-43438	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B31*	Modular Splice Adapter	054007-43439	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B32*	Modular Splice Adapter	054007-43440	each	1	-	2.4	1	-	each	100.75	79.47	-
5815-B33*	Modular Splice Adapter	054007-43441	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B34*	Modular Splice Adapter	054007-43442	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B35*	Modular Splice Adapter	054007-43443	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B36*	Modular Splice Adapter	054007-43444	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B37*	Modular Splice Adapter	054007-43445	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B38*	Modular Splice Adapter	054007-43446	each	1	-	2.4	1	-	each	100.75	79.47	-
5815-B39*	Modular Splice Adapter	054007-43447	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B40*	Modular Splice Adapter	054007-43448	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B41*	Modular Splice Adapter	054007-43449	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B42*	Modular Splice Adapter	054007-43450	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B43*	Modular Splice Adapter	054007-43451	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B44*	Modular Splice Adapter	054007-43452	each	1	-	2.4	1	-	each	100.75	79.47	-
5815-B45*	Modular Splice Adapter	054007-43453	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B46*	Modular Splice Adapter	054007-43454	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B47*	Modular Splice Adapter	054007-43455	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B48*	Modular Splice Adapter	054007-43456	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B49*	Modular Splice Adapter	054007-43457	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B50*	Modular Splice Adapter	054007-43461	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B51*	Modular Splice Adapter	054007-43465	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B52*	Modular Splice Adapter	054007-43466	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-B53*	Modular Splice Adapter	054007-43467	each	1	-	0.2	1	-	each	100.75	79.47	-
5815-D*	Modular Splice dead end	054007-04233	each	1	-	7.1	1	-	each	353.37	278.75	-
5815-E*	Modular Splice Equipment	054007-04234	each	1	-	0.2	1	-	each	274.62	216.63	-
5815-S*	Modular Splice 2 way	054007-04230	each	1	-	12.5	1	-	each	662.95	522.94	-
5815-T*	Modular Splice add on	054007-04231	each	1	-	5.9	1	-	each	377.22	297.55	-
5815-TW	T-Wrench	054007-43468	each	1	-	0.8	1	-	each	52.75	41.62	-
5831*	Sheath Seal Kit	054007-12280	kit	1	-	3.5	10	-	kit	139.80	110.28	-
5832*	Sheath Seal Kit	054007-12281	kit	1	-	5.7	10	-	kit	209.77	165.47	-
5841*	Cold Shrink Sheath Seal Kit	054007-12291	kit	1	-	0.6	10	-	kit	72.41	57.11	-
5842*	Cold Shrink Sheath Seal Kit	054007-12292	kit	1	-	0.6	10	-	kit	98.78	77.93	-
6022K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49934	kit	1	-	2.5	10	-	kit	487.15	384.27	-
6023K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49935	kit	1	-	3.4	10	-	kit	569.35	449.12	-
6024K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49936	kit	1	-	3.9	10	-	kit	654.32	516.14	-
6025K*	Cold Shrink Termination Kit-Non-Skirted (3 terms/kit)	054007-49937	kit	1	-	4.7	10	-	kit	863.54	681.17	-
6910	Gaffers Tape (Silver) 2" x 60 Yd (Bulk)	021200-22782	rls	24	-	60.0	24	-	rls	16.31	12.87	-
6910	Gaffers Tape (Black) 2" x 60 Yd (Bulk)	051131-06843	rls	24	-	60.0	24	-	rls	16.31	12.87	-
6969	Duct Tape 3" X 60 Yd (Bulk)	021200-85635	rls	12	-	34.5	12	-	rls	13.57	10.71	-
6969	Duct Tape 2" X 60 Yd (Bulk)	051131-06969	rls	24	-	46.0	24	-	rls	9.06	7.16	-
7446	Cleaning Pads Dark Gray/Coarse (40 pads/case)	048011-04051	case	1	1	4.5		-	case	59.31	46.78	-
7447	Cleaning Pads Maroon/Medium (60 pads/case)	048011-04029	case	1	1	4.1		-	case	41.62	52.80	-
7448	Cleaning Pads Light Gray/Fine (60 pads/case)	048011-04028	case	1	1	2.9		-	case	52.80	41.62	-
7620-S-2*	Cold Shrink 2 Skirt Termination (3 terms/kit)	054007-42168	kit	1	-	3.0	10	-	kit	211.65	166.95	-
7620-S-2-3G*	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43679	kit	1		0.0	1	-	kit	462.03	364.48	-
7620-S-2-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04722	kit	1	-	0.2	1	-	kit	369.30	291.35	-
7620-S-2-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04748	kit	1	-	0.2	1	-	kit	425.57	335.75	-
7620-T-95*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41758	kit	1	-	2.6	10	-	kit	169.74	133.89	-
7620-T-95-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43664	kit	1		6.0	1	-	kit	431.00	340.00	-
7620-T-95-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04810	kit	1	-	3.5	1	-	kit	334.13	263.61	-
7620-T-95-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04731	kit	1	-	0.2	1	-	kit	386.89	305.22	-
7621-S-2*	Cold Shrink 2 Skirt Termination (3 terms/kit)	054007-42169	kit	1	-	3.4	10	-	kit	229.29	180.87	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
7621-S-2-3G*	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43680	kit	1		8.3	1	-	kit	508.58	401.20	-
7621-S-2-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04723	kit	1	-	0.2	1	-	kit	378.09	298.29	-
7621-S-2-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04749	kit	1	-	0.2	1	-	kit	497.68	392.64	-
7621-T-95*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41759	kit	1	-	3.1	10	-	kit	186.37	147.01	-
7621-T-95-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43665	kit	1		7.4	1	-	kit	465.48	367.20	-
7621-T-95-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04586	kit	1	-	4.7	1	-	kit	342.92	270.54	-
7621-T-95-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04732	kit	1	-	0.2	1	-	kit	448.44	353.79	-
7621-T-110-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43669	kit	1		8.0	1	-	kit	506.86	399.84	-
7621-T-110-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04710	kit	1	-	5.0	1	-	kit	362.26	285.80	-
7621-T-110-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04736	kit	1	-	5.5	1	-	kit	492.41	388.48	-
7622-S-2*	Cold Shrink 2 Skirt Termination (3 terms/kit)	054007-42170	kit	1	-	3.0	10	-	kit	322.02	254.03	-
7622-S-2-3G*	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43681	kit	1		7.8	1	-	kit	593.06	467.84	-
7622-S-2-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04724	kit	1	-	4.8	1	-	kit	422.06	332.98	-
7622-S-2-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04750	kit	1	-	5.4	1	-	kit	562.74	443.97	-
7622-S-INV-2*	Cold Shrink 2 Skirt Termination (3 terms/kit)	054007-43016	kit	1		4.0	1	-	kit	354.24	279.42	-
7622-T-110*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41760	kit	1	-	3.0	10	-	kit	220.28	173.76	-
7622-T-110-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43670	kit	1		7.9	1	-	kit	543.06	428.40	-
7622-T-110-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04711	kit	1	-	4.9	1	-	kit	413.26	326.04	-
7622-T-110-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04737	kit	1	-	5.2	1	-	kit	536.37	423.16	-
7622-T-125-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04714	kit	1	-	0.2	1	-	kit	471.30	371.82	-
7622-T-125-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04740	kit	1	-	0.2	1	-	kit	571.54	450.91	-
7623-T-95-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43666	kit	1		9.3	1	-	kit	520.65	410.72	-
7623-T-95-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04707	kit	1	-	6.0	1	-	kit	386.89	305.22	-
7623-T-95-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04733	kit	1	-	6.2	1	-	kit	508.23	400.96	-
7624-T-95-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43667	kit	1		0.0		-	kit	594.78	469.20	-
7624-T-95-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04708	kit	1	-	0.2	1	-	kit	457.24	360.72	-
7624-T-95-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04734	kit	1	-	0.2	1	-	kit	562.74	443.97	-
7624-T-110*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41761	kit	1	-	3.7	10	-	kit	230.43	181.76	-
7624-T-110-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43671	kit	1	-	11.0	1	-	kit	620.64	489.60	-
7624-T-110-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04712	kit	1	-	6.0	1	-	kit	483.61	381.54	-
7624-T-110-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04738	kit	1	-	7.9	1	-	kit	601.43	474.49	-
7624-T-125-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04715	kit	1	-	0.2	1	-	kit	536.37	423.16	-
7624-T-125-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04741	kit	1	-	0.2	1	-	kit	634.85	500.85	-
7625-T-95-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43668	kit	1	-	0.0	1	-	kit	663.74	523.60	-
7625-T-95-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04709	kit	1	-	0.2	1	-	kit	513.51	405.12	-
7625-T-95-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04735	kit	1	-	0.2	1	-	kit	650.68	513.34	-
7625-T-110*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41762	kit	1	-	5.2	10	-	kit	305.03	240.61	-
7625-T-110-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43673	kit	1	-	12.4	1	-	kit	655.12	516.80	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
7625-T-110-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04713	kit	1	-	7.5	1	-	kit	494.16	389.86	-
7625-T-110-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04739	kit	1	-	8.6	1	-	kit	636.60	502.24	-
7625-T-125-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04716	kit	1	-	0.2	1	-	kit	775.54	611.85	-
7625-T-125-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04742	kit	1	-	0.2	1	-	kit	875.77	690.93	-
7626-T-110*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41763	kit	1	-	7.0	10	-	kit	376.51	297.00	-
7642-S-2	Cold Shrink 2 Skirt Termination	054007-42011	kit	1	-	0.9	10	-	kit	58.75	46.35	-
7642-S-2-1/0	Cold Shrink 2 Skirt Termination	054007-42012	kit	1	-	1.1	10	-	kit	73.14	57.69	-
7642-S-2-1/0-MB3	Cold Shrink 2 Skirt Termination Kit	054007-44275	kit	1	-	1.8	10	-	kit	86.17	67.97	-
7642-S-2-2	Cold Shrink 2 Skirt Termination	054007-42013	kit	1	-	1.1	10	-	kit	73.14	57.69	-
7642-S-2-2/0	Cold Shrink 2 Skirt Termination	054007-42014	kit	1	-	1.3	10	-	kit	78.33	61.79	-
7642-S-2-3/0	Cold Shrink 2 Skirt Termination	054007-42015	kit	1	-	0.0	10	-	kit	78.33	61.79	-
7642-S-2-4/0	Cold Shrink 2 Skirt Termination	054007-42016	kit	1	-	1.3	10	-	kit	78.33	61.79	-
7642-S-2-22	Cold Shrink 2 Skirt Termination	054007-42483	kit	1	-	1.1	10	-	kit	73.14	57.69	-
7642-S-INV-2	Cold Shrink Termination Kit QT-III	054007-04622	kit	1	-	1.5	1	-	kit	87.05	68.67	-
7642-T-110	Cold Shrink Termination Kit Non-Skirted	054007-41764	kit	1	-	0.8	10	-	kit	52.88	41.71	-
7642-T-HSG-110	Cold Shrink Termination Kit Non-Skirted High Amp	054007-41765	kit	1	-	1.3	10	-	kit	74.04	58.40	-
7644-T-110	Cold Shrink Termination Kit Non-Skirted	054007-41766	kit	1	-	1.4	10	-	kit	81.84	64.57	-
7644-T-HSG-110	Cold Shrink Termination Kit Non-Skirted High Amp	054007-41767	kit	1	-	1.4	10	-	kit	114.60	90.39	-
7645-T-110	Cold Shrink Termination Kit Non-Skirted	054007-41768	kit	1	-	1.3	10	-	kit	103.32	81.49	-
7645-T-HSG-110	Cold Shrink Termination Kit Non-Skirted High Amp	054007-41769	kit	1	-	2.2	10	-	kit	144.64	114.09	-
7646-T-110	Cold Shrink Termination Kit Non-Skirted	054007-41770	kit	1	-	1.9	10	-	kit	108.03	85.21	-
7646-T-HSG-110	Cold Shrink Termination Kit Non-Skirted High Amp	054007-41771	kit	1	-	2.0	10	-	kit	151.24	119.30	-
7652-S-4	Cold Shrink 4 Skirt Termination	054007-42178	kit	1	-	1.1	10	-	kit	70.94	55.96	-
7652-S-4-1/0	Cold Shrink 4 Skirt Termination	054007-42179	kit	1	-	1.3	10	-	kit	85.08	67.12	-
7652-S-4-2	Cold Shrink 4 Skirt Termination	054007-42180	kit	1	-	1.3	10	-	kit	85.08	67.12	-
7652-S-4-2/0	Cold Shrink 4 Skirt Termination	054007-42181	kit	1	-	0.0	10	-	kit	90.26	71.21	-
7652-S-4-3/0	Cold Shrink 4 Skirt Termination	054007-42183	kit	1	-	0.0	10	-	kit	90.26	71.21	-
7652-S-4-4/0	Cold Shrink 4 Skirt Termination	054007-42184	kit	1	-	1.4	10	-	kit	90.26	71.21	-
7652-S-4-22	Cold Shrink 4 Skirt Termination	054007-42182	kit	1	-	1.5	10	-	kit	85.08	67.12	-
7652-S-4-TI	Cold Shrink 4 Skirt Termination	054007-43409	kit	1	1	0.2	10	-	kit	77.58	61.20	-
7652-S-HSG-4	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42171	kit	1	-	1.3	10	-	kit	99.33	78.35	-
7652-S-HSG-4-1/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42172	kit	1	-	0.0	10	-	kit	112.90	89.07	-
7652-S-HSG-4-2	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42173	kit	1	-	3.8	10	-	kit	112.90	89.07	-
7652-S-HSG-4-2/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42174	kit	1	-	1.2	10	-	kit	118.09	93.15	-
7652-S-HSG-4-3/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42176	kit	1	-	0.0	10	-	kit	118.09	93.15	-
7652-S-HSG-4-4/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42177	kit	1	-	0.0	10	-	kit	118.09	93.15	-
7652-S-HSG-4-22	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42175	kit	1	-	0.0	10	-	kit	112.90	89.07	-
7653-S-4	Cold Shrink 4 Skirt Termination	054007-42192	kit	1	-	1.1	10	-	kit	101.88	80.36	-
7653-S-4-1/0	Cold Shrink 4 Skirt Termination	054007-42193	kit	1	-	1.4	10	-	kit	115.40	91.04	-
7653-S-4-2	Cold Shrink 4 Skirt Termination	054007-42194	kit	1	-	1.4	10	-	kit	115.40	91.04	-
7653-S-4-2/0	Cold Shrink 4 Skirt Termination	054007-42195	kit	1	-	0.0	10	-	kit	120.58	95.13	-
7653-S-4-3/0	Cold Shrink 4 Skirt Termination	054007-42197	kit	1	-	0.0	10	-	kit	120.58	95.13	-
7653-S-4-4/0	Cold Shrink 4 Skirt Termination	054007-42198	kit	1	-	1.6	10	-	kit	120.58	95.13	-
7653-S-4-22	Cold Shrink 4 Skirt Termination	054007-42196	kit	1	-	0.0	10	-	kit	115.40	91.04	-
7653-S-4-TI	Cold Shrink 4 Skirt Termination	054007-43410	kit	1	-	0.2	10	-	kit	110.34	87.04	-
7653-S-HSG-4	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42185	kit	1	-	1.4	10	-	kit	142.63	112.51	-
7653-S-HSG-4-1/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42186	kit	1	-	0.0	10	-	kit	155.32	122.52	-
7653-S-HSG-4-2	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42187	kit	1	-	0.0	10	-	kit	155.32	122.52	-
7653-S-HSG-4-2/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42188	kit	1	-	0.0	10	-	kit	160.53	126.62	-
7653-S-HSG-4-3/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42190	kit	1	-	0.0	10	-	kit	160.53	126.62	-
7653-S-HSG-4-4/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42191	kit	1	-	2.2	10	-	kit	160.53	126.62	-
7653-S-HSG-4-22	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42189	kit	1	-	0.0	10	-	kit	155.32	122.52	-
7653-S-INV-4	Cold Shrink Termination Kit QT-III	054007-04625	kit	1	-	0.2	10	-	kit	149.31	117.77	-
7653-T-150	Cold Shrink Termination Kit Non-Skirted	054007-41772	kit	1	-	1.3	10	-	kit	86.59	68.31	-
7653-T-HSG-150	Cold Shrink Termination Kit Non-Skirted High Amp	054007-41773	kit	1	-	2.0	10	-	kit	121.24	95.64	-
7654-S-4	Cold Shrink 4 Skirt Termination	054007-42203	kit	1	-	1.4	10	-	kit	112.49	88.72	-
7654-S-4-2/0	Cold Shrink 4 Skirt Termination	054007-42204	kit	1	-	0.0	10	-	kit	130.98	103.32	-
7654-S-4-3/0	Cold Shrink 4 Skirt Termination	054007-42205	kit	1	-	0.0	10	-	kit	130.98	103.32	-
7654-S-4-4/0	Cold Shrink 4 Skirt Termination	054007-42206	kit	1	-	1.8	10	-	kit	130.98	103.32	-
7654-S-4-TI	Cold Shrink 4 Skirt Termination	054007-43411	kit	1	-	0.0	10	-	kit	120.68	95.20	-
7654-S-HSG-4	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42199	kit	1	-	1.7	10	-	kit	157.47	124.21	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
7654-S-HSG-4-2/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42200	kit	1	-	2.0	10	-	kit	187.24	147.70	-
7654-S-HSG-4-3/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42201	kit	1	-	0.0	10	-	kit	187.24	147.70	-
7654-S-HSG-4-4/0	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42202	kit	1	-	0.0	10	-	kit	187.24	147.70	-
7655-S-4	Cold Shrink 4 Skirt Termination	054007-42208	kit	1	-	1.7	10	-	kit	121.34	95.72	-
7655-S-4-TI	Cold Shrink 4 Skirt Termination	054007-43412	kit	1	-	0.2	10	-	kit	132.75	104.72	-
7655-S-HSG-4	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42207	kit	1	-	2.2	10	-	kit	169.88	134.01	-
7655-S-HSG-4-MB5	Cold Shrink 4 Skirt Termination (High- Amp)	054007-43393	Kit	1		0.2	1	-	Kit	195.33	154.09	-
7655-S-HSG-4-MB6	Cold Shrink 4 Skirt Termination Kit (High - AMP)	054007-44276	kit	1	-	3.6	10	-	kit	225.86	178.15	-
7655-S-INV-4	Cold Shrink Termination Kit QT-III	054007-04623	kit	1	-	0.2	1	-	kit	181.84	143.43	-
7655-T-150	Cold Shrink Termination Kit Non-Skirted	054007-41774	kit	1	-	2.0	10	-	kit	91.44	72.13	-
7655-T-HSG-150	Cold Shrink Termination Kit Non-Skirted High Amp	054007-41775	kit	1	-	2.0	10	-	kit	128.03	100.99	-
7656-S-4	Cold Shrink 4 Skirt Termination	054007-42210	kit	1	-	2.4	10	-	kit	128.55	101.41	-
7656-S-4-TI	Cold Shrink 4 Skirt Termination	054007-43413	kit	1	-	0.2	10	-	kit	141.37	111.52	-
7656-S-HSG-4	Cold Shrink 4 Skirt Termination (High-Amp)	054007-42209	kit	1	-	2.9	10	-	kit	179.97	141.96	-
7656-S-INV-4	Cold Shrink Termination Kit QT-III	054007-04624	kit	1	-	0.2	1	-	kit	197.40	155.71	-
7656-T-150	Cold Shrink Termination Kit Non-Skirted	054007-41776	kit	1	-	3.0	10	-	kit	109.56	86.42	-
7656-T-HSG-150	Cold Shrink Termination Kit Non-Skirted High Amp	054007-41777	kit	1	-	2.9	10	-	kit	153.39	120.99	-
7663-S-8	Cold Shrink 8 Skirt Termination	054007-42433	kit	1	-	1.4	10	-	kit	158.27	124.85	-
7663-S-8-1/0	Cold Shrink 8 Skirt Termination	054007-42434	kit	1	-	2.0	10	-	kit	170.67	134.63	-
7663-S-8-2	Cold Shrink 8 Skirt Termination	054007-42438	kit	1	-	2.0	10	-	kit	170.68	134.63	-
7663-S-8-2/0	Cold Shrink 8 Skirt Termination	054007-42435	kit	1	-	0.0	10	-	kit	188.01	148.30	-
7663-S-8-3/0	Cold Shrink 8 Skirt Termination	054007-42436	kit	1	-	0.0	10	-	kit	188.01	148.30	-
7663-S-8-4/0	Cold Shrink 8 Skirt Termination	054007-42437	kit	1	-	0.0	10	-	kit	188.01	148.30	-
7663-S-8-22	Cold Shrink 8 Skirt Termination	054007-42439	kit	1	-	0.0	10	-	kit	170.67	134.63	-
7663-S-HSG-8	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42440	kit	1	-	1.7	10	-	kit	213.67	168.54	-
7663-S-HSG-8-1/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42441	kit	1	-	0.0	10	-	kit	224.95	177.45	-
7663-S-HSG-8-2	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42445	kit	1	-	0.0	10	-	kit	224.95	177.45	-
7663-S-HSG-8-2/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42442	kit	1	-	0.0	10	-	kit	230.14	181.54	-
7663-S-HSG-8-3/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42443	kit	1	-	0.0	10	-	kit	230.14	181.54	-
7663-S-HSG-8-4/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42444	kit	1	-	0.0	10	-	kit	230.14	181.54	-
7663-S-HSG-8-22	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42446	kit	1	-	0.0	10	-	kit	224.95	177.45	-
7664-S-8	Cold Shrink 8 Skirt Termination	054007-42447	kit	1	-	1.5	10	-	kit	185.14	146.04	-
7664-S-8-1/0	Cold Shrink 8 Skirt Termination	054007-42448	kit	1	-	2.0	10	-	kit	196.99	155.40	-
7664-S-8-2	Cold Shrink 8 Skirt Termination	054007-42452	kit	1	-	0.0	10	-	kit	196.99	155.40	-
7664-S-8-2/0	Cold Shrink 8 Skirt Termination	054007-42449	kit	1	-	0.0	10	-	kit	202.18	159.49	-
7664-S-8-3/0	Cold Shrink 8 Skirt Termination	054007-42450	kit	1	-	0.0	10	-	kit	202.18	159.49	-
7664-S-8-4/0	Cold Shrink 8 Skirt Termination	054007-42451	kit	1	-	2.3	10	-	kit	202.18	159.49	-
7664-S-8-22	Cold Shrink 8 Skirt Termination	054007-42453	kit	1	-	0.0	10	-	kit	196.99	155.40	-
7664-S-HSG-8	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42454	kit	1	-	2.5	10	-	kit	208.35	164.34	-
7664-S-HSG-8-1/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42455	kit	1	-	0.0	10	-	kit	219.74	173.33	-
7664-S-HSG-8-2	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42459	kit	1	-	0.0	10	-	kit	219.74	173.33	-
7664-S-HSG-8-2/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42456	kit	1	-	0.0	10	-	kit	224.92	177.42	-
7664-S-HSG-8-3/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42457	kit	1	-	0.0	10	-	kit	224.92	177.42	-
7664-S-HSG-8-4/0	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42458	kit	1	-	0.0	10	-	kit	224.92	177.42	-
7664-S-HSG-8-22	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42460	kit	1	-	0.0	10	-	kit	219.74	173.33	-
7665-S-8	Cold Shrink 8 Skirt Termination	054007-42461	kit	1	-	2.7	10	-	kit	201.16	158.67	-
7665-S-HSG-8	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42462	kit	1	-	3.2	10	-	kit	251.46	198.35	-
7666-S-8	Cold Shrink 8 Skirt Termination	054007-42463	kit	1	-	3.4	10	-	kit	363.11	286.43	-
7666-S-HSG-8	Cold Shrink 8 Skirt Termination (High - AMP)	054007-42464	kit	1	-	3.9	10	-	kit	563.52	444.52	-
7683-S-8	Cold Shrink 8 Skirt Termination (3 terms/kit)	054007-42465	kit	1	-	6.0	10	-	kit	652.69	514.85	-
7684-S-8	Cold Shrink 8 Skirt Termination (3 terms/kit)	054007-42466	kit	1	-	6.4	10	-	kit	694.69	547.98	-
7684-S-8-3G*	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43686	each	1	-	0.0	1	-	each	1017.16	802.40	-
7684-S-8-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04729	kit	1	-	0.2	1	-	kit	773.77	610.46	-
7684-S-8-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04755	kit	1	-	0.0	1	-	kit	1011.19	797.76	-
7685-S-8	Cold Shrink 8 Skirt Termination (3 terms/kit)	054007-42467	kit	1	-	8.7	10	-	kit	797.66	629.21	-
7685-S-8-3G*	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43687	each	1	-	15.5	1	-	each	1103.36	870.40	-
7685-S-8-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04730	kit	1	-	0.2	1	-	kit	949.63	749.20	-
7685-S-8-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04756	kit	1	-	11.6	1	-	kit	1106.15	872.68	-
7686-S-8	Cold Shrink 8 Skirt Termination (3 terms/kit)	054007-42468	kit	1	-	10.8	10	-	kit	911.68	719.15	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
7691-S-4-3G*	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43682	each	1	-	0.0	1	-	each	639.60	504.56	-
7691-S-4-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04725	kit	1	-	5.9	1	-	kit	511.74	403.74	-
7691-S-4-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04751	kit	1	-	0.2	1	-	kit	615.51	485.59	-
7692-S-4	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-42211	kit	1	-	3.5	10	-	kit	354.37	279.53	-
7692-S-4-3G*	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43683	each	1	-	8.3	1	-	each	696.50	549.44	-
7692-S-4-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04726	kit	1	-	0.2	1	-	kit	562.74	443.97	-
7692-S-4-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04752	kit	1	-	6.0	1	-	kit	682.33	538.32	-
7693-S-4*	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-42212	kit	1	-	3.8	10	-	kit	384.31	303.14	-
7693-S-4-3G**	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43684	each	1	-	7.7	1	-	each	720.63	568.48	-
7693-S-4-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04727	kit	1	-	6.0	1	-	kit	573.30	452.30	-
7693-S-4-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04753	kit	1	-	8.0	1	-	kit	712.23	561.90	-
7693-S-4-INV-3G*	Inverted 3 Conductor Termination Kit Cables (w/ ground wires)	054007-43677	each	1	-	0.0	1	-	each	727.53	573.92	-
7693-S-4-INV-3-RJS*	Indoor Inverted 3 Conductor Termination Kit Cables inside Cabi	054007-04720	kit	1	-	8.1	1	-	kit	624.30	492.53	-
7693-S-4-INV-3W*	Inverted 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04746	kit	1	-	9.5	1	-	kit	705.19	556.35	-
7693-S-INV-4*	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-43017	kit	1		6.0	10	-	kit	422.75	333.47	-
7693-T-150*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41778	kit	1	-	4.0	10	-	kit	406.99	321.05	-
7693-T-150-3G**	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43674	each	1	-	0.0	1	-	each	824.07	650.08	-
7693-T-150-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04717	kit	1	-	0.2	1	-	kit	668.26	527.22	-
7693-T-150-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04743	kit	1	-	6.0	1	-	kit	750.91	592.43	-
7694-S-4*	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-42213	kit	1	-	4.3	10	-	kit	424.65	334.97	-
7694-T-150-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43676	each	1	-	0.0	1	-	each	879.24	693.60	-
7694-T-150-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04718	kit	1	-	6.8	1	-	kit	712.23	561.90	-
7694-T-150-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04744	kit	1	-	0.2	1	-	kit	805.43	635.43	-
7695-S-4*	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-42214	kit	1	-	6.1	10	-	kit	526.09	414.98	-
7695-S-4-3G**	Outdoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43685	each	1	-	13.5	1	-	each	999.92	788.80	-
7695-S-4-3-RJS*	Outdoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04728	kit	1	-	0.2	1	-	kit	861.71	679.83	-
7695-S-4-3W*	Outdoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04754	kit	1	-	9.6	1	-	kit	984.81	776.94	-
7695-S-4-INV-3G*	Inverted 3 Conductor Termination Kit Cables (w/ ground wires)	054007-43678	each	1	-	0.0	1	-	each	887.86	700.40	-
7695-S-4-INV-3-RJS*	Indoor Inverted 3 Conductor Termination Kit Cables inside Cabi	054007-04721	kit	1	-	0.2	1	-	kit	780.81	616.01	-
7695-S-4-INV-3W*	Inverted 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04747	kit	1	-	0.2	1	-	kit	874.02	689.54	-
7695-S-INV-4*	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-43018	kit	1		8.3	10	-	kit	578.65	456.44	-
7695-T-150*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41779	kit	1	-	6.5	10	-	kit	439.64	346.80	-
7695-T-150-3G*	Indoor 3 Conductor Termination Kit Cables (with ground wires)	054007-43675	each	1	-	0.2	1	-	each	944.75	745.28	-
7695-T-150-3-RJS*	Indoor 3 Conductor Termination Kit Cables inside Cabinet	054007-04719	kit	1	-	0.2	1	-	kit	775.54	611.85	-
7695-T-150-3W*	Indoor 3 Conductor Termination Kit Cables (w/o ground wires)	054007-04745	kit	1	-	10.0	1	-	kit	875.77	690.93	-
7696-S-4*	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-42215	kit	1	-	7.8	10	-	kit	685.85	541.01	-
7696-S-INV-4*	Cold Shrink 4 Skirt Termination (3 terms/kit)	054007-43019	kit	1		11.9	10	-	kit	620.03	489.09	-
7696-T-150*	Cold Shrink Termination Kit Non-Skirted (3 terms/kit)	054007-41780	kit	1	-	9.0	10	-	kit	662.52	522.62	-
7820	Spacer Web 3" x 20' (2/box)	054007-02415	box	1	2/box	2.2	10	-	box	45.48	35.87	-
8043-1*	Cold Shrink Mine/Portable Cable Splice Kit	054007-15668	kit	1	-	5.1	10	-	kit	165.22	130.33	-
8096-2*	Mine Splice Kit	054007-31395	kit	1	-	10.5	10	-	kit	336.19	256.18	-
8096-4*	Mine Splice Kit	054007-31396	kit	1	-	13.3	10	-	kit	407.47	310.49	-

*MSDS Available

Electrical Products

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8096-6*	Mine Splice Kit	054007-31397	kit	1	-	28.0	10	-	kit	718.30	547.36	-
8210	N95 Particulate Respirator (20/box, 8 boxes/case)	051138-46457	case	1	-	5.7	160	-	case	142.80	112.65	-
8210	Label Protection Tape 5" x 72 Yd (Bulk)	021200-06889	rls	8	-	12.6	8	-	rls	19.39	15.30	-
8210	Label Protection Tape 2" x 72 Yd (Bulk)	021200-11852	rls	24	-	14.5	24	-	rls	7.76	6.13	-
8210	Label Protection Tape 4" x 72 Yd (Bulk)	021200-06888	rls	8	-	9.7	8	-	rls	15.49	12.23	-
8240	Pouch Tape 5" x 6" x 500 Items (Bulk)	021200-06947	rls	8	-	12.7	8	-	rls	20.35	16.06	-
8260	Pouch Tape 5 1/2" x 9" x 375 Items (Bulk)	021200-06958	rls	8	-	15.3	8	-	rls	30.81	24.31	-
8423-6	Cold Shrink Connector Insulators	054007-42146	each	10	-	1.0	10	-	each	8.70	6.86	-
8423-6P	Cold Shrink Tube (EPDM)	054007-42864	each	10		1.0	10	-	each	8.70	6.86	-
8424-8	Cold Shrink Connector Insulator	054007-42390	each	10	1/Bag	1.7	10	-	each	11.19	8.82	-
8424-8P	Cold Shrink Tube (EPDM)	054007-42865	each	10		2.0	10	-	each	11.19	8.82	-
8425-8	Cold Shrink Connector Insulator	054007-42391	each	10	-	1.4	10	-	each	9.79	7.73	-
8425-8P	Cold Shrink Tube (EPDM)	054007-42866	each	10		1.3	10	-	each	9.79	7.73	-
8426-9	Cold Shrink Connector Insulators	054007-34457	each	10	1/bag	2.2	10	-	each	11.68	9.22	-
8426-9M	Cold Shrink Insulator	054007-43436	each	10	-	10.0	10	-	each	12.22	9.64	-
8426-9P	Cold Shrink Tube (EPDM)	054007-42867	each	10		2.1	10	-	each	11.68	9.21	-
8426-11	Cold Shrink Connector Insulators	054007-34458	each	10	1/bag	2.7	10	-	each	13.98	11.03	-
8427-6	Cold Shrink Connector Insulators	054007-09915	each	10	1/bag	2.1	10	-	each	8.78	6.93	-
8427-12	Cold Shrink Connector Insulators	054007-34459	each	10	1/bag	3.4	10	-	each	17.44	13.76	-
8427-12P	Cold Shrink Tube (EPDM)	054007-42868	each	10		3.2	10	-	each	17.44	13.76	-
8427-16	Cold Shrink Connector Insulators	054007-34460	each	10	1/bag	4.3	10	-	each	23.28	18.36	-
8428-6	Cold Shrink Connector Insulators	054007-09916	each	10	1/bag	2.7	10	-	each	12.42	9.80	-
8428-12	Cold Shrink Connector Insulators	054007-09056	each	10	1/bag	5.5	10	-	each	24.84	19.58	-
8428-12P	Cold Shrink Tube (EPDM)	054007-42869	each	10		5.3	10	-	each	24.84	19.58	-
8428-18	Cold Shrink Connector Insulators	054007-34461	each	10	1/bag	7.5	10	-	each	37.33	29.45	-
8429-6	Cold Shrink Connector Insulators	054007-09917	each	10	1/bag	4.6	10	-	each	13.61	10.73	-
8429-9	Cold Shrink Connector Insulators	054007-09931	each	10	1/bag	5.8	10	-	each	20.38	16.08	-
8429-12	Cold Shrink Connector Insulators	054007-42389	each	10	1/Bag	8.0	10	-	each	27.93	22.03	-
8429-15	Cold Shrink Connector Insulators	054007-44198	each	10	1/Bag	9.4	10	-	each	33.85	26.70	-
8429-18	Cold Shrink Connector Insulators	054007-34462	each	10	1/bag	11.0	10	-	each	40.79	31.08	-
8430-9	Cold Shrink Connector Insulators	054007-42147	each	10	1/Bag	6.6	10	-	each	28.15	22.21	-
8430-18	Cold Shrink Connector Insulators	054007-42388	each	10	1/Bag	14.2	10	-	each	44.51	35.11	-
8443-2	Silicone Cold Shrink Connector Insulators	054007-09485	each	12	1/bag	0.6	12	-	each	5.33	4.21	-
8443-6.5	Silicone Cold Shrink Connector Insulators	054007-09482	each	12	1/bag	2.0	12	-	each	7.36	5.81	-
8445-2.5	Silicone Cold Shrink Connector Insulators	054007-09486	each	12	1/bag	2.0	12	-	each	5.50	4.35	-
8445-7.5	Silicone Cold Shrink Connector Insulators	054007-09483	each	12	1/bag	1.4	12	-	each	8.07	6.36	-
8447-3.2	Silicone Cold Shrink Connector Insulators	054007-09487	each	12	1/bag	1.0	12	-	each	6.77	5.34	-
8447-8	Silicone Cold Shrink Connector Insulators	054007-09484	each	12	1/bag	1.7	12	-	each	9.73	7.68	-
8452	Cable Accessory Sealing Kit	054007-08336	kit	10	1/bag	3.9	10	-	kit	17.92	14.14	-
8452-L	Cable Accessory Sealing Kit	054007-44312	kit	10	-	3.8	10	-	kit	18.99	14.98	-
8453	Cable Accessory Sealing Kit	054007-09676	kit	10	1/bag	5.5	10	-	kit	25.51	20.12	-
8454	Cable Accessory Sealing Kit	054007-49938	each	10	-	8.2	10	-	each	28.03	22.11	-
8459	Shield Adapter Kit	055128-53236	each	3	1	0.2	1	-	each	28.89	22.79	-
8460	Shield Adapter Kit	054007-41458	each	3	1	2.1	1	-	each	25.27	19.94	-
8461	Shield Adapter Kit	054007-41459	each	3	1	2.7	1	-	each	29.17	23.01	-
8462	Shield Adapter Kit	055128-53131	each	3	1	0.0	1	-	each	31.26	24.66	-
8473	Hi-Amp Accessory Grounding Kit	054007-50043	each	10	-	7.7	10	-	each	41.31	32.59	-
8500	Comfort Mask (600/case)	021200-08500	case	1	600/case	7.2	1	-	case	124.29	98.04	-
8511	N95 Particulate Respirator with Valve	051138-54343	case	1	-	6.0	80	-	case	142.79	112.64	-
8561	Breakout Boot	054007-43143	each	1	-	0.3	1	-	each	52.75	41.62	-
8562	Breakout Boot	054007-43144	each	1	-	0.3	1	-	each	66.83	52.71	-
8563	Breakout Boot	054007-43145	each	1	-	0.4	1	-	each	80.90	63.81	-
8564	Breakout Boot	054007-43146	each	1	-	0.9	1	-	each	93.21	73.52	-
8565	Breakout Boot	054007-43147	each	1	-	0.9	1	-	each	100.24	79.07	-
8600	Safety Center Demo	051131-59345	deal	1	-	14.5	1	-	deal	230.80	182.13	-
8651ES	Comfort Mask (5/pack)	051111-08651	pack	12	5/Pack	1.8	1	-	pack	2.91	2.29	-
8652ES	Comfort Mask (15/pack)	051111-08652	pack	12	15/Pack	3.6	1	-	pack	7.46	5.89	-
8654ES	Sanding & Fiberglass Insulation Respirator (2/pack)	051111-08654	pack	12	2/Pack	1.8	1	-	pack	5.08	4.00	-
8656ES	Latex Paint Respirator (1/pack)	051111-08656	pack	12	1/Pack	2.1	1	-	pack	4.71	3.71	-
8658ES	Corded Ear Plugs (2 pair/card)	051131-60437	pack	12	2 Pr/Pack	1.2	1	-	pack	1.81	1.42	-
8660ES	Wood Working & Welding Respirator (1/pack)	051111-08660	pack	6	1/pack	2.2	1	-	pack	15.97	12.59	-
8884	Stretchtape 36mm x 55m (Bulk)	021200-69313	rls	24	-	14.3	24	-	rls	5.22	4.11	-
8886	Stretchtape 36mm x 55m (Bulk)	021200-69314	rls	24	-	19.8	24	-	rls	6.37	5.02	-
10001	Copper Standard Barrel Connector	054007-12717	each	50	-	1.1	50	500	each	3.05	2.42	1.93
10002	Copper Standard Barrel Connector	054007-12725	each	50	-	1.3	50	500	each	3.46	2.74	2.18

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
10003	Copper Standard Barrel Connector	054007-12733	each	25	-	1.0	25	250	each	3.66	2.91	2.31
10004	Copper Standard Barrel Connector	054007-12758	each	10	-	0.4	10	100	each	3.87	3.07	2.44
10005	Copper Standard Barrel Connector	054007-12766	each	10	-	0.6	10	100	each	4.14	3.28	2.61
10006	Copper Standard Barrel Connector	054007-12774	each	10	-	0.7	10	100	each	4.41	3.50	2.77
10007	Copper Standard Barrel Connector	054007-12790	each	10	-	0.9	10	100	each	4.59	3.64	2.90
10008	Copper Standard Barrel Connector	054007-12816	each	10	-	1.0	10	100	each	5.09	4.04	3.20
10009	Copper Standard Barrel Connector	054007-12832	each	3	-	0.5	3	30	each	6.22	4.94	3.92
10010	Copper Standard Barrel Connector	054007-12857	each	3	-	0.5	3	30	each	6.99	5.54	4.41
10011	Copper Standard Barrel Connector	054007-12873	each	3	-	0.6	3	30	each	7.15	5.67	4.51
10014	Copper Standard Barrel Connector	054007-12899	each	3	-	1.0	3	30	each	8.16	6.48	5.14
10019	Copper Standard Barrel Connector	054007-12915	each	3	-	1.7	3	30	each	15.96	12.67	10.07
10024	Copper Standard Barrel Connector	054007-12931	each	3	-	2.7	3	30	each	21.42	16.98	13.49
11006	Copper Long-Barrel Connector	054007-12782	each	10	-	1.1	10	100	each	5.07	4.02	3.19
11007	Copper Long-Barrel Connector	054007-12808	each	10	-	1.3	10	100	each	5.27	4.18	3.33
11008	Copper Long-Barrel Connector	054007-12824	each	10	-	1.6	10	100	each	5.85	4.64	3.69
11009	Copper Long-Barrel Connector	054007-12840	each	3	-	0.7	3	30	each	7.15	5.67	4.51
11010	Copper Long-Barrel Connector	054007-12865	each	3	-	0.9	3	30	each	8.03	6.36	5.06
11011	Copper Long-Barrel Connector	054007-12881	each	3	-	1.1	3	30	each	8.21	6.51	5.17
11014	Copper Long-Barrel Connector	054007-12907	each	3	-	1.7	3	30	each	9.38	7.45	5.92
11019	Copper Long-Barrel Connector	054007-12923	each	3	-	2.9	3	30	each	18.37	14.57	11.58
11024	Copper Long-Barrel Connector	054007-12949	each	3	-	4.2	3	30	each	24.63	19.53	15.52
15001	Butt Connector	054007-30234	conn	500	-	3.3	1	-	100	16.40	13.78	-
15002	Butt Connector	054007-30235	conn	500	-	5.4	1	-	100	39.87	33.50	-
15003	Butt Connector	054007-30236	conn	500	-	10.0	1	-	100	129.35	108.66	-
15004	Butt Connector	054007-30237	conn	500	-	12.6	1	-	100	153.44	128.90	-
15005	Butt Connector	054007-30238	conn	500	-	19.2	1	-	100	170.19	142.97	-
15006	Butt Connector	054007-30239	conn	250	-	10.8	1	-	100	186.71	156.85	-
15007	Butt Connector	054007-30240	conn	100	-	5.6	1	-	100	222.26	186.71	-
15008	Butt Connector	054007-30241	conn	100	-	8.3	1	-	100	244.24	205.16	-
15009	Butt Connector	054007-30242	conn	100	-	9.0	1	-	100	259.72	218.18	-
15010	Butt Connector	054007-30243	conn	100	-	12.0	1	-	100	299.97	251.99	-
15011	Butt Connector	054007-30244	conn	100	-	13.2	1	-	100	324.69	272.76	-
15837	Ground Connector	054007-30245	conn	500	-	5.7	1	-	100	116.87	98.18	-
15838	Ground Connector	054007-30246	conn	500	-	7.7	1	-	100	131.64	110.59	-
15843	Ground Connector	054007-30247	conn	250	-	4.9	1	-	100	168.06	141.18	-
17003	Phase Connector	054007-33551	conn	200	-	2.6	1	-	100	157.85	132.60	-
17004	Phase Connector	054007-33550	conn	200	-	3.8	1	-	100	177.88	149.44	-
17006	Phase Connector	054007-33552	conn	100	-	2.9	1	-	100	190.38	159.94	-
17007	Phase Connector	054007-33553	conn	100	-	3.6	1	-	100	205.46	172.59	-
17835	Ground Connector	054007-33554	conn	500	-	1.7	1	-	100	115.26	96.82	-
17837	Ground Connector	054007-33555	conn	500	-	2.3	1	-	100	122.78	103.13	-
17839	Ground Connector	054007-33556	conn	500	-	3.8	1	-	100	135.31	113.67	-
20001	Copper/Aluminum Connector	054007-13236	each	50	-	0.8	50	500	each	4.59	3.64	2.90
20002	Copper/Aluminum Connector	054007-13244	each	50	-	1.6	50	500	each	5.20	4.12	3.27
20003	Copper/Aluminum Connector	054007-13251	each	25	-	1.0	25	250	each	5.50	4.36	3.47
20004	Copper/Aluminum Connector	054007-13269	each	10	-	0.5	10	100	each	5.81	4.61	3.66
20005	Copper/Aluminum Connector	054007-13277	each	10	-	0.6	10	100	each	6.22	4.94	3.92
20006	Copper/Aluminum Connector	054007-13285	each	10	-	0.8	10	100	each	6.63	5.25	4.17
20007	Copper/Aluminum Connector	054007-13293	each	10	-	1.0	10	100	each	6.90	5.47	4.35
20008	Copper/Aluminum Connector	054007-13301	each	10	-	1.3	10	100	each	7.64	6.06	4.81
20009	Copper/Aluminum Connector	054007-13319	each	3	-	0.5	3	30	each	9.34	7.41	5.89
20010	Copper/Aluminum Connector	054007-13327	each	3	-	0.7	3	30	each	10.50	8.32	6.61
20011	Copper/Aluminum Connector	054007-13335	each	3	-	0.8	3	30	each	10.72	8.51	6.75
20012	Copper/Aluminum Connector	054007-13343	each	3	-	1.0	3	30	each	11.76	9.32	7.42
20014	Copper/Aluminum Connector	054007-13350	each	3	-	1.3	3	30	each	12.26	9.72	7.72
20016	Copper/Aluminum Connector	054007-13368	each	3	-	1.7	3	30	each	19.90	15.79	12.55
20019	Copper/Aluminum Connector	054007-13376	each	3	-	1.8	3	30	each	23.95	18.99	15.10
20020	Copper/Aluminum Connector	054007-13384	each	3	-	2.3	3	30	each	31.10	24.66	19.59
20024	Copper/Aluminum Connector	054007-13392	each	3	-	3.1	3	30	each	32.14	25.49	20.26
30014	Copper One-Hole Lug	054007-12410	each	50	-	1.1	50	500	each	1.54	1.22	0.97
30015	Copper One-Hole Lug	054007-12428	each	50	-	1.0	50	500	each	1.54	1.22	0.97
30016	Copper One-Hole Lug	054007-12436	each	50	-	1.0	50	500	each	1.54	1.22	0.97
30018	Copper One-Hole Lug	054007-12444	each	50	-	1.4	50	500	each	1.88	1.49	1.18
30019	Copper One-Hole Lug	054007-12451	each	50	-	1.3	50	500	each	1.88	1.49	1.18
30021	Copper One-Hole Lug	054007-12469	each	50	-	1.3	50	500	each	1.88	1.49	1.18

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
30022	Copper One-Hole Lug	054007-12477	each	25	-	1.1	25	250	each	2.53	2.01	1.60
30023	Copper One-Hole Lug	054007-12485	each	25	-	1.0	25	250	each	2.53	2.01	1.60
30024	Copper One-Hole Lug	054007-12493	each	25	-	1.0	25	250	each	2.53	2.01	1.60
30027	Copper One-Hole Lug	054007-12501	each	10	-	0.5	10	100	each	2.92	2.32	1.84
30028	Copper One-Hole Lug	054007-12519	each	10	-	0.5	10	100	each	2.92	2.32	1.84
30031	Copper One-Hole Lug	054007-12527	each	10	-	0.6	10	100	each	3.33	2.64	2.09
30032	Copper One-Hole Lug	054007-12535	each	10	-	0.6	10	100	each	3.33	2.64	2.09
30036	Copper One-Hole Lug	054007-12543	each	10	-	0.8	10	100	each	4.00	3.17	2.52
30041	Copper One-Hole Lug	054007-12568	each	10	-	0.9	10	100	each	5.13	4.07	3.23
30045	Copper One-Hole Lug	054007-12584	each	10	-	1.2	10	100	each	5.22	4.14	3.29
31036	Copper One-Hole Long-Barrel Lug	054007-12550	each	10	-	0.9	10	100	each	4.41	3.50	2.77
31041	Copper One-Hole Long-Barrel Lug	054007-12576	each	10	-	1.1	10	100	each	5.65	4.49	3.56
31045	Copper One-Hole Long-Barrel Lug	054007-12592	each	10	-	1.5	10	100	each	5.74	4.56	3.62
31049	Copper One-Hole Long-Barrel Lug	054007-12618	each	10	-	1.8	10	100	each	6.63	5.25	4.17
31053	Copper One-Hole Long-Barrel Lug	054007-12634	each	10	-	2.3	10	100	each	7.04	5.58	4.44
31056	Copper One-Hole Long-Barrel Lug	054007-12659	each	10	-	2.7	10	100	each	7.64	6.06	4.81
31060	Copper One-Hole Long-Barrel Lug	054007-11978	each	10	-	3.2	10	100	each	9.14	7.24	5.76
31066	Copper One-Hole Long-Barrel Lug	054007-12675	each	10	-	5.0	10	100	each	9.53	7.55	6.00
31067	Copper One-Hole Long-Barrel Lug	054007-12683	each	10	-	4.9	10	100	each	9.53	7.55	6.00
31068	Copper One-Hole Long-Barrel Lug	054007-11980	each	6	-	4.0	6	60	each	18.09	14.35	11.40
31145	Copper Two-Hole Long-Barrel Lug	054007-12600	each	10	-	2.2	10	100	each	6.60	5.24	4.16
31149	Copper Two-Hole Long-Barrel Lug	054007-12626	each	10	-	2.7	10	100	each	7.62	6.05	4.80
31153	Copper Two-Hole Long-Barrel Lug	054007-12642	each	10	-	3.4	10	100	each	8.10	6.43	5.10
31156	Copper Two-Hole Long-Barrel Lug	054007-12667	each	10	-	3.5	10	100	each	8.80	6.98	5.55
31160	Copper Two-Hole Long-Barrel Lug	054007-11979	each	10	-	5.0	10	100	each	10.52	8.34	6.63
31166	Copper Two-Hole Long-Barrel Lug	054007-12691	each	10	-	6.5	10	100	each	10.94	8.68	6.90
31168	Copper Two-Hole Long-Barrel Lug	054007-11981	each	6	-	5.8	6	60	each	20.81	16.50	13.12
31172	Copper Two-Hole Long-Barrel Lug	054007-12709	each	6	-	6.8	6	60	each	29.13	23.10	18.36
31178	Copper Two-Hole Long-Barrel Lug	054007-00907	each	6	-	9.1	6	60	each	39.72	31.50	25.03
40016	Copper/Aluminum One-Hole Lug	054007-13400	each	50	-	0.8	50	500	each	3.51	2.78	2.21
40020	Copper/Aluminum One-Hole Lug	054007-13418	each	50	-	1.5	50	500	each	3.85	3.05	2.43
40024	Copper/Aluminum One-Hole Lug	054007-13426	each	25	-	1.1	25	250	each	4.20	3.34	2.65
40025	Copper/Aluminum One-Hole Lug	054007-13434	each	25	-	0.9	25	250	each	4.20	3.34	2.65
40028	Copper/Aluminum One-Hole Lug	054007-13442	each	10	-	0.4	10	100	each	5.13	4.07	3.23
40029	Copper/Aluminum One-Hole Lug	054007-13459	each	10	-	0.4	10	100	each	5.13	4.07	3.23
40032	Copper/Aluminum One-Hole Lug	054007-13467	each	10	-	0.7	10	100	each	5.68	4.50	3.58
40033	Copper/Aluminum One-Hole Lug	054007-13475	each	10	-	0.7	10	100	each	5.68	4.50	3.58
40037	Copper/Aluminum One-Hole Lug	054007-13483	each	10	-	0.8	10	100	each	6.54	5.18	4.12
40041	Copper/Aluminum One-Hole Lug	054007-13491	each	10	-	1.1	10	100	each	7.35	5.83	4.63
40045	Copper/Aluminum One-Hole Lug	054007-13509	each	10	-	1.6	10	100	each	7.67	6.08	4.83
40046	Copper/Aluminum One-Hole Lug	054007-13517	each	10	-	1.4	10	100	each	7.67	6.08	4.83
40049	Copper/Aluminum One-Hole Lug	054007-13525	each	10	-	1.6	10	100	each	10.33	8.20	6.52
40050	Copper/Aluminum One-Hole Lug	054007-13533	each	10	-	1.6	10	100	each	10.33	8.20	6.52
40053	Copper/Aluminum One-Hole Lug	054007-13541	each	10	-	2.2	10	100	each	12.46	9.88	7.85
40056	Copper/Aluminum One-Hole Lug	054007-13558	each	10	-	2.6	10	100	each	12.84	10.19	8.10
40057	Copper/Aluminum One-Hole Lug	054007-13566	each	10	-	2.6	10	100	each	12.84	10.19	8.10
40067	Copper/Aluminum One-Hole Lug	054007-13574	each	10	-	4.8	10	100	each	22.41	17.78	14.13
40073	Copper/Aluminum One-Hole Lug	054007-13582	each	6	-	4.2	6	60	each	27.09	21.49	17.07
40079	Copper/Aluminum One-Hole Lug	054007-13590	each	6	-	8.6	6	60	each	33.95	26.93	21.39
40132	Copper/Aluminum Two-Hole Lug	054007-13608	each	10	-	1.2	10	100	each	7.10	5.63	4.48
40137	Copper/Aluminum Two-Hole Lug	054007-13616	each	10	-	1.3	10	100	each	8.16	6.48	5.14
40141	Copper/Aluminum Two-Hole Lug	054007-13624	each	10	-	1.5	10	100	each	9.18	7.28	5.78
40145	Copper/Aluminum Two-Hole Lug	054007-13632	each	10	-	2.3	10	100	each	9.59	7.61	6.04
40149	Copper/Aluminum Two-Hole Lug	054007-13640	each	10	-	2.3	10	100	each	12.91	10.24	8.14
40153	Copper/Aluminum Two-Hole Lug	054007-13657	each	10	-	3.4	10	100	each	15.59	12.36	9.82
40156	Copper/Aluminum Two-Hole Lug	054007-13665	each	10	-	3.9	10	100	each	16.05	12.74	10.12
40160	Copper/Aluminum Two-Hole Lug	054007-13673	each	10	-	4.7	10	100	each	27.18	21.56	17.14
40166	Copper/Aluminum Two-Hole Lug	054007-13681	each	10	-	6.2	10	100	each	28.02	22.23	17.66
40170	Copper/Aluminum Two-Hole Lug	054007-13699	each	6	-	4.4	6	60	each	33.36	26.46	21.02
40172	Copper/Aluminum Two-Hole Lug	054007-13707	each	6	-	4.9	6	60	each	33.88	26.87	21.35
40178	Copper/Aluminum Two-Hole Lug	054007-13715	each	6	-	9.8	6	60	each	42.43	33.65	26.74
53168	Cable Tie Miniature - 6" NAT 18LB 100/bag	055128-53168	each	1000	100/bag	0.2	100	1000	100	11.76	9.27	7.43
53169	Cable Tie Miniature - 6" Black 18LB 100/bag	055128-53169	each	1000	100/bag	0.2	100	1000	100	13.93	10.98	8.80
53170	Cable Tie Intermediate - 6" NAT 40LB 100/bag	055128-53170	each	1000	100/bag	0.2	100	1000	100	13.28	10.47	8.38
53171	Cable Tie Intermediate - 6" Black 40LB 100/bag	055128-53171	each	1000	100/bag	0.2	100	1000	100	14.69	11.58	9.27

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
53172	Cable Tie Miniature - 8" NAT 18LB 100/bag	055128-53172	each	1000	100/bag	0.2	100	1000	100	12.72	10.02	8.03
53173	Cable Tie Miniature - 8" Black 18LB 100/bag	055128-53173	each	1000	100/bag	0.2	100	1000	100	14.89	11.73	9.40
53174	Cable Tie Intermediate - 8" NAT 40LB 100/bag	055128-53174	each	1000	100/bag	3.2	100	1000	100	14.00	11.03	8.84
53175	Cable Tie Intermediate - 8" Black 40LB 100/bag	055128-53175	each	1000	100/bag	3.1	100	1000	100	15.15	11.94	9.56
53176	Cable Tie Standard - 17" Nat 50LB 50/bag	055128-53176	each	500	50/bag	3.1	50	500	100	39.99	31.52	25.25
53177	Cable Tie Standard - 17" Black 50LB 50/bag	055128-53177	each	500	50/bag	4.4	50	500	100	42.58	33.55	26.88
53178	Cable Tie Heavy Duty - 17" Nat 175LB 50/bag	055128-53178	each	500	50/bag	4.4	50	500	100	61.06	48.12	38.55
53179	Cable Tie Heavy Duty - 17" Black 175LB 50/bag	055128-53179	each	500	50/bag	9.5	50	500	100	67.42	53.13	42.57
53180	Cable Tie Extra Heavy Duty - 21" Nat 175LB 50/bag	055128-53180	each	500	50/bag	9.6	50	500	100	69.81	55.01	44.07
53181	Cable Tie Extra Heavy Duty - 21" Black 175LB 50/bag	055128-53181	each	500	50/bag	12.9	50	500	100	77.17	60.81	48.72
53182	Cable Tie Extra Heavy Duty - 28" Nat 175LB 50/bag	055128-53182	each	500	50/bag	11.5	50	500	100	114.51	90.24	72.29
53183	Cable Tie Extra Heavy Duty - 28" Black 175LB 50/bag	055128-53183	each	500	50/bag	18.1	50	500	100	122.89	96.84	77.58
53184	Cable Tie Extra Heavy Duty - 32" Nat 175LB 50/bag	055128-53184	each	500	50/bag	17.5	50	500	100	124.64	98.22	78.69
53185	Cable Tie Extra Heavy Duty - 32" Black 175LB 50/bag	055128-53185	each	500	50/bag	23.0	50	500	100	128.36	101.15	81.04
53186	Cable Tie Extra Heavy Duty - 48" Nat 175LB 50/bag	055128-53186	each	500	50/bag	20.1	50	500	100	180.44	142.19	113.92
53187	Cable Tie Extra Heavy Duty - 48" Black 175LB 50/bag	055128-53187	each	500	50/bag	26.6	50	500	100	196.10	154.53	123.81
53188	Cable Tie Standard Releasable - 6" NAT 50LB 100/bag	055128-53188	each	5000	100/bag	22.8	100	5000	100	18.88	14.88	11.92
53189	Cable Tie Standard Releasable - 8" NAT 50LB 100/bag	055128-53189	each	5000	100/bag	28.5	100	5000	100	21.61	17.03	13.65
53190	Cable Tie Standard Releasable - 12" NAT 50LB 100/bag	055128-53190	each	5000	100/bag	40.0	100	5000	100	40.90	32.23	25.82
53193	Cable Tie Minature - 4" RED 18LB 100/bag	055128-53193	each	1000	100/bag	0.2	100	1000	100	11.87	9.35	7.49
53194	Cable Tie Minature - 4" ORANGE 18LB 100/bag	055128-53194	each	1000	100/bag	0.2	100	1000	100	11.87	9.35	7.49
53195	Cable Tie Minature - 4" YELLOW 18LB 100/bag	055128-53195	each	1000	100/bag	0.2	100	1000	100	11.87	9.35	7.49
53196	Cable Tie Minature - 4" GREEN 18LB 100/bag	055128-53196	each	1000	100/bag	0.2	100	1000	100	11.87	9.35	7.49
53197	Cable Tie Minature - 4" BLUE 18LB 100/bag	055128-53197	each	1000	100/bag	0.2	100	1000	100	11.87	9.35	7.49
53198	Cable Tie Intermediate - 8" RED 40LB 100/bag	055128-53198	each	1000	100/bag	3.2	100	1000	100	14.56	11.47	9.19
53199	Cable Tie Intermediate - 8" ORANGE 40LB 100/bag	055128-53199	each	1000	100/bag	3.2	100	1000	100	14.56	11.47	9.19
53200	Cable Tie Intermediate - 8" YELLOW 40LB 100/bag	055128-53200	each	1000	100/bag	5.9	100	1000	100	14.56	11.47	9.19
53201	Cable Tie Intermediate - 8" GREEN 40LB 100/bag	055128-53201	each	1000	100/bag	3.2	100	1000	100	14.56	11.47	9.19
53202	Cable Tie Intermediate - 8" BLUE 40LB 100/bag	055128-53202	each	1000	100/bag	3.3	100	1000	100	14.56	11.47	9.19
53203	Cable Tie Standard - 12" RED 50LB 100/bag	055128-53203	each	1000	100/bag	6.0	100	1000	100	34.59	27.26	21.84
53204	Cable Tie Standard - 12" ORANGE 50LB 100/bag	055128-53204	each	1000	100/bag	5.9	100	1000	100	34.59	27.26	21.84
53205	Cable Tie Standard - 12" YELLOW 50LB 100/bag	055128-53205	each	1000	100/bag	5.9	100	1000	100	34.59	27.26	21.84
53206	Cable Tie Standard - 12" GREEN 50LB 100/bag	055128-53206	each	1000	100/bag	6.0	100	1000	100	34.59	27.26	21.84
53207	Cable Tie Standard - 12" BLUE 50LB 100/bag	055128-53207	each	1000	100/bag	27.5	100	1000	100	34.59	27.26	21.84
53208	Cable Tie Minature Horizontal ID - 4" NAT 18LB 100/bag	055128-53208	each	10000	100/bag	27.3	100	10000	100	15.49	12.21	9.78
53210	Cable Tie Minature Flag - 4" NAT 18LB 100/bag	055128-53210	each	10000	100/bag	15.5	100	10000	100	16.41	12.93	10.36
53211	Cable Tie Minature Horizontal ID - 8" NAT 18LB 100/bag	055128-53211	each	5000	100/bag	14.8	100	5000	100	33.16	26.13	20.93
53212	Cable Tie Standard Vertical ID - 8" NAT 50LB 100/bag	055128-53212	each	5000	100/bag	16.6	100	5000	100	39.43	31.07	24.89
53213	Cable Tie Standard Vertical ID - 11" NAT 50LB 100/bag	055128-53213	each	5000	100/bag	18.5	100	5000	100	50.00	39.40	31.56
53219	Cable Tie Miniature - 6" NAT 18LB 1000/bag	055128-53219	each	10000	1000/bag	24.0	1000	10000	1000	47.39	30.58	27.52
53220	Cable Tie Miniature - 6" Black 18LB 1000/bag	055128-53220	each	10000	1000/bag	13.2	1000	10000	1000	54.27	35.01	31.51
53221	Cable Tie Intermediate - 6" NAT 40LB 1000/bag	055128-53221	each	10000	1000/bag	15.6	1000	10000	1000	60.07	38.75	34.88
53222	Cable Tie Intermediate - 6" Black 40LB 1000/bag	055128-53222	each	10000	1000/bag	18.6	1000	10000	1000	69.11	44.59	40.13
53223	Cable Tie Miniature - 8" NAT 18LB 1000/bag	055128-53223	each	10000	1000/bag	18.7	1000	10000	1000	47.76	30.81	27.73
53224	Cable Tie Miniature - 8" Black 18LB 1000/bag	055128-53224	each	10000	1000/bag	16.0	1000	10000	1000	55.31	35.69	32.12
53225	Cable Tie Intermediate - 8" NAT 40LB 1000/bag	055128-53225	each	10000	1000/bag	16.1	1000	10000	1000	61.24	39.51	35.56
53226	Cable Tie Intermediate - 8" Black 40LB 1000/bag	055128-53226	each	10000	1000/bag	27.6	1000	10000	1000	71.46	46.10	41.49
53227	Cable Tie Extra Heavy Duty - 24" Nat 175LB 50/bag	055128-53227	each	10	50/bag	0.2	50	500	100	78.58	61.92	49.61
53228	Cable Tie Extra Heavy Duty - 24" Black 175LB 50/bag	055128-53228	each	10	50/bag	0.2	50	500	100	86.73	68.35	54.76
A-3	Electrician's Abrasive Roll 1" x 25 yd (120J)	054007-11560	rls	10	5	4.5	10	-	rls	21.22	16.74	-
A-RACK-1	Folded Sorbent Dispenser Rack 21" x 21" x 5.5" (Assembled)	051138-29233	each	1	-	8.9	1	2	each	93.75	73.95	77.61
B	Spring Connector Blue (Boxed)	054007-42033	conn	500	50/box	15.8	50	500	100	51.19	45.99	38.68
B/G+	Spring Connector Blue/Gray (Boxed)	054007-43150	conn	500	50/box	8.2	50	500	100	31.28	29.02	24.48
B/G+	Spring Connector Blue/Gray (Bulk)	054007-43151	conn	2000	250/container	32.0	250	2000	1000	258.30	239.64	202.12
BBI-3A*	Bus Bar Tubing (50 ft)	051135-35727	feet	50	-	13.1	50	-	feet	8.98	7.08	-
BBI-3A*	Bus Bar Tubing (20 ft)	051135-35726	feet	20	-	4.4	20	-	feet	9.15	7.22	-
BBI-4A*	Bus Bar Tubing (50 ft)	051135-35729	feet	50	-	18.6	50	-	feet	10.10	7.97	-
BBI-4A*	Bus Bar Tubing (20 ft)	051135-35728	feet	20	-	6.5	20	-	feet	10.33	8.15	-
BBI-5A*	Bus Bar Tubing (50 ft)	051135-35731	feet	50	-	21.9	50	-	feet	19.20	15.14	-
BBI-5A*	Bus Bar Tubing (20 ft)	051135-35730	feet	20	-	10.5	20	-	feet	19.58	15.44	-
BBI-6A*	Bus Bar Tubing (50 ft)	051135-35733	feet	50	-	25.0	50	-	feet	19.67	15.52	-
BBI-6A*	Bus Bar Tubing (20 ft)	051135-35732	feet	20	-	17.0	20	-	feet	20.09	15.84	-

*MSDS Available

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
BBI-7A*	Bus Bar Tubing (50 ft)	051135-35735	feet	50	-	27.5	50	-	feet	22.50	17.74	-
BBI-7A*	Bus Bar Tubing (20 ft)	051135-35734	feet	20	-	22.1	20	-	feet	22.95	18.10	-
BBI-8A*	Bus Bar Tubing (20 ft)	051135-35736	feet	20	-	22.0	20	-	feet	25.63	20.22	-
BBI-8A*	Bus Bar Tubing (50 ft)	051135-35737	feet	50	-	35.3	50	-	feet	25.14	19.83	-
BBI-9A*	Bus Bar Tubing (50 ft)	051135-35877	feet	50	-	41.1	50	-	feet	29.46	23.24	-
BBI-9A*	Bus Bar Tubing (20 ft)	051135-35876	feet	20	-	17.4	20	-	feet	30.05	23.70	-
BBI-10A*	Bus Bar Tubing (20 ft)	051135-35878	feet	20	-	21.2	20	-	feet	35.33	27.87	-
BBI-10A*	Bus Bar Tubing (50 ft)	051135-35879	feet	50	-	54.0	50	-	feet	34.62	27.30	-
Cable Repair Compound*	Size A Unipak	054007-33285	cont	10	-	3.9	10	-	cont	11.17	8.51	-
CC-2*	Cable Preparation Kit	054007-49563	each	10	-	2.0	10	-	each	9.24	7.28	-
CC-2-DRY*	Cable Preparation Kit	054007-43414	kit	10	-	0.2	10	-	kit	12.05	9.50	-
CC-3*	Cable Cleaning Pad	054007-49564	each	10	-	1.0	10	-	each	5.82	4.59	-
CC-4*	Cable Cleaning Solvent (quart)	054007-49565	each	4	-	7.0	4	-	each	13.27	10.47	-
CC-DRY	Dry Wiping Cloth	054007-43415	kit	10	-	0.2	10	-	kit	3.43	2.70	-
C-FL550DD*	Chemical Sorbent Folded 50' Roll	051138-29296	each	1	-	18.0	1	3	each	120.25	94.85	99.56
CFS-.47/.78	Constant Force Spring (#1)	054007-42372	each	30	-	1.0	30	-	each	4.05	3.20	-
CFS-.80/1.50	Constant Force Spring (#3)	054007-42374	each	30	-	0.9	30	-	each	4.05	3.20	-
CFS-1.00/2.20	Constant Force Spring (#4)	054007-42375	each	30	-	1.4	30	-	each	5.09	4.01	-
CFS-1.50/3.00	Constant Force Spring (#5)	054007-42376	each	9	-	0.9	9	-	each	8.78	6.93	-
CFS-1.50/3.00W	Constant Force Spring (#10)	054007-42378	each	9	-	1.1	1	-	each	8.78	6.93	-
CFS-1.80/4.00	Constant Force Spring (#6)	054007-42379	each	9	-	1.3	30	-	each	8.78	6.93	-
CI-1	Connector for Use With Splice Kits	054007-25628	each	10	-	0.6	10	-	each	4.93	3.90	-
CI-1/0	Connector for Use With Splice Kits	054007-11867	each	10	-	0.6	10	-	each	4.93	3.90	-
CI-1/0-840	Connector for Use With Splice Kits	054007-09137	each	10	-	0.6	10	-	each	7.13	5.62	-
CI-1/0A	Connector for Use With Splice Kits	054007-14176	each	10	-	1.2	10	-	each	7.13	5.62	-
CI-1A	Connector for Use With Splice Kits	054007-00722	each	10	-	1.5	10	-	each	7.13	5.62	-
CI-2	Connector for Use With Splice Kits	054007-11651	each	10	-	0.8	10	-	each	4.93	3.89	-
CI-2/0	Connector for Use With Splice Kits	054007-11875	each	10	-	1.8	10	-	each	8.72	6.87	-
CI-2A	Connector for Use With Splice Kits	054007-00721	each	10	-	0.6	10	-	each	7.13	5.62	-
CI-3/0	Connector for Use With Splice Kits	054007-11883	each	10	-	2.0	10	-	each	8.72	6.87	-
CI-4/0	Connector for Use With Splice Kits	054007-11891	each	10	-	1.5	10	-	each	8.72	6.87	-
CI-21	Connector for Use With Splice Kits	054007-11856	each	10	-	0.6	10	-	each	4.93	3.90	-
CI-21-840	Connector for Use With Splice Kits	054007-09136	each	10	-	1.8	10	-	each	7.13	5.62	-
CI-22	Connector for Use With Splice Kits	054007-25636	each	10	-	0.7	10	-	each	4.93	3.89	-
CI-22A	Connector for Use With Splice Kits	054007-15868	each	10	-	0.7	10	-	each	7.13	5.62	-
CI-250	Connector for Use With Splice Kits	054007-11909	each	10	-	3.0	10	-	each	11.54	9.11	-
CI-350	Connector for Use With Splice Kits	054007-11925	each	10	-	3.0	10	-	each	11.54	9.11	-
CI-450	Connector for Use With Splice Kits	054007-11933	each	10	-	4.5	10	-	each	12.14	9.58	-
CI-500	Connector for Use With Splice Kits	054007-25644	each	10	-	4.4	10	-	each	12.14	9.58	-
CI-650	Connector for Use With Splice Kits	054007-11941	each	10	-	6.3	10	-	each	20.75	16.37	-
CI-750	Connector for Use With Splice Kits	054007-25651	each	10	-	6.5	10	-	each	20.75	16.37	-
CIC-750	Connector for Use With Splice Kits	054007-30200	each	10	-	6.5	10	-	each	37.71	29.74	-
CIR-1/0	Connector for Use With Splice Kits	054007-09358	each	10	-	2.0	10	-	each	14.48	11.43	-
CIR-1/0A	Connector for Use With Splice Kits	054007-50226	each	10	-	0.0	10	-	each	26.42	20.84	-
CIR-2/0	Connector for Use With Splice Kits	054007-41964	each	10	-	5.6	10	-	each	18.02	14.22	-
CIR-4/0	Connector for Use With Splice Kits	054007-50228	each	10	-	5.4	10	-	each	18.02	14.22	-
CIR-21	Connector for Use With Splice Kits	054007-09357	each	10	-	2.0	10	-	each	14.48	11.43	-
CIR-21A	Connector for Use With Splice Kits	054007-50227	each	10	-	4.5	10	-	each	26.42	20.84	-
CIR-22	Connector for Use With Splice Kits	054007-09356	each	10	-	2.0	10	-	each	14.48	11.43	-
CI-T-1	Connector for Use With Splice Kits	054007-11958	each	10	-	0.8	10	-	each	6.89	5.43	-
CI-T-1A*	Transition Connector	054007-70485	each	10	-	0.9	10	-	each	9.50	7.49	-
CI-T-2	Connector for Use With Splice Kits	054007-11966	each	10	-	0.8	10	-	each	6.89	5.43	-
CI-T-3	Connector for Use With Splice Kits	054007-11974	each	10	-	0.8	10	-	each	6.89	5.43	-
CI-T-4	Connector for Use With Splice Kits	054007-11982	each	10	-	0.9	10	-	each	6.89	5.43	-
CI-T-5	Connector for Use With Splice Kits	054007-11990	each	10	-	0.9	10	-	each	6.89	5.43	-
Citrus Based Ind Cleaner*	Industrial Cleaner 24 Fl oz	021200-76394	can	12	-	19.7	12	-	can	12.72	10.04	-
CL-1*	Cable Loosener (1 gallon)	054007-42834	gals	4	-	35.0	4	-	gals	86.43	71.60	-
CL-5*	Cable Loosener (5 Gallon Pail)	054007-42835	pail	1	-	42.0	1	-	pail	312.92	259.24	-
CL-QT*	Cable Loosener (quart)	054007-42833	qts	12	-	28.0	12	-	qts	38.15	31.61	-
CP-1	Parallel Clamp	054007-12204	each	10	-	1.6	3	-	each	11.30	8.91	-
CP-25WB+	Fire Barrier Caulk 5 Gallon Pail	051115-11640	pail	1	-	63.1	1	-	pail	549.56	433.50	-
CP-25WB+*	Fire Barrier Caulk 20 Fl Oz Sausage	051115-11642	each	10	-	20.5	10	-	each	28.19	22.24	-
CP-25WB+*	Fire Barrier Caulk 27 Fl Oz Cartridge	051115-11641	each	6	-	17.7	6	-	each	35.89	28.31	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
CP-25WB+*	Fire Barrier Caulk 2 Gallon Pail	051115-11639	each	1	-	25.3	1	-	each	317.88	250.75	-
CPT-1	Cold Shink Corrosion Protection Kit	054007-43023	each	10		0.4	10	-	each	22.14	17.46	-
CPT-1 1/2	Cold Shink Corrosion Protection Kit	054007-43025	each	10		0.0	10	-	each	36.14	28.51	-
CPT-1 1/4	Cold Shink Corrosion Protection Kit	054007-43024	each	10		0.0	10	-	each	32.85	25.91	-
CPT-1/2	Cold Shink Corrosion Protection Kit	054007-43021	each	10		3.0	10	-	each	13.79	10.87	-
CPT-2	Cold Shink Corrosion Protection Kit	054007-43026	each	10		8.7	10	-	each	45.09	35.57	-
CPT-2 1/2	Cold Shink Corrosion Protection Kit	054007-43027	each	5		6.7	5	-	each	56.37	44.46	-
CPT-3	Cold Shink Corrosion Protection Kit	054007-43028	each	5		0.0	5	-	each	68.18	53.78	-
CPT-3 1/2	Cold Shink Corrosion Protection Kit	054007-43029	each	5		20.0	5	-	each	74.81	59.01	-
CPT-3/4	Cold Shink Corrosion Protection Kit	054007-43022	each	10		0.0	10	-	each	15.33	12.10	-
CPT-4	Cold Shink Corrosion Protection Kit	054007-43030	each	5		0.0	5	-	each	82.53	65.10	-
CS#2-4/0	Secondary Splice Kit	054007-43390	each	10	-	1.0	10	-	each	8.79	6.94	-
CS2/0-4/0	Cold Shrink Secondary Splice Kit	054007-41880	each	10	100/BAG	2.2	10	-	each	9.71		-
CS2-1/0	Cold Shrink Secondary Splice Kit	054007-41879	each	10	-	1.5	10	-	each	8.14		-
CS2-1/0-20003	Secondary Cold Shrink Splice Kit	054007-44183	kit	10	-	2.1	10	-	kit	12.41	9.79	-
CS2-1/0-20006	Secondary Cold Shrink Splice Kit	054007-44216	kit	10	-	2.4	10	-	kit	13.29	10.49	-
CS6-4	Cold Shrink Secondary Splice Kit	054007-41878	each	10	-	0.5	10	-	each	7.00		-
CS-195+*	Composite Sheet 3' x 2' (Boxed)	051115-07220	each	1	-	18.6	1	-	each	228.67	180.38	-
CS-195+*	Composite Sheet 3' x 2' (Bulk)	051115-07219	each	1	-	17.0	50	-	each	219.56	173.20	-
CS-195+*	Composite Sheet 3' x 3' (Boxed)	051115-07222	each	1	-	30.2	1	-	each	338.44	266.97	-
CS-195+*	Composite Sheet 3' x 3' (Bulk)	051115-07221	each	1	-	25.6	50	-	each	329.32	259.77	-
CS-195+*	Composite Sheet 3' x 41" (Boxed)	051115-07224	each	1	-	34.9	1	-	each	384.16	303.04	-
CS-195+*	Composite Sheet 3' x 41" (Bulk)	051115-07223	each	1	-	29.0	50	-	each	375.03	295.83	-
CS-195+*	Composite Sheet 16" x 28" (Boxed)	051115-07437	each	1	-	10.6	1	-	each	138.38	109.15	-
CS-195+*	Composite Sheet 16" x 28" (Bulk)	051115-07454	each	1	-	8.9	50	-	each	130.12	102.64	-
CS-195+	Composite Sheet 28" x 52" (Bulk)	051115-08260	each	1	-	32.6	10	-	each	347.48	274.09	-
CS250-500	Secondary Splice Kit	054007-43391	each	10	-	3.1	10	-	each	10.55	8.32	-
CS501PB-4	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44154	kit	1	-	0.0	10	-	kit	145.08	114.44	-
CS502PB-1	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44156	kit	1	-	0.0	10	-	kit	145.08	114.44	-
CS502PB-2	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44155	kit	1	-	3.0	10	-	kit	145.08	114.44	-
CS503PB-1/0	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44157	kit	1	-	3.0	10	-	kit	145.08	114.44	-
CS504PB-2/0	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44158	kit	1	-	0.0	10	-	kit	145.08	114.44	-
CS505PB-3/0	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44159	kit	1	-	0.0	10	-	kit	163.72	129.15	-
CS505PB-4/0	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44160	kit	1	-	0.0	10	-	kit	163.72	129.15	-
CS506PB-250	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44161	kit	1	-	4.5	10	-	kit	174.81	174.81	-
CS506PB-300	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44162	kit	1	-	0.0	10	-	kit	174.81	137.88	-
CS506PB-350	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44163	kit	1	-	0.0	10	-	kit	174.81	137.88	-
CS507PB-400	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44164	kit	1	-	0.0	10	-	kit	174.81	137.88	-
CS508PB-500	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44169	kit	1	-	4.4	10	-	kit	197.84	156.06	-
CS508PB-600	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44165	kit	1	-	0.0	10	-	kit	197.84	156.06	-
CS508PB-750	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44166	kit	1	-	0.0	10	-	kit	197.84	156.06	-
CS508PB-800	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44167	kit	1	-	0.0	10	-	kit	197.84	156.06	-
CS508PB-1000	Secondary Low Voltage PILC Cable Splice Kits (w/Connector)	054007-44168	kit	1	-	0.0	10	-	kit	214.72	169.38	-
CS600-1000	Secondary Splice Kit	054007-43392	each	10	-	0.2	10	-	each	11.00	8.67	-
CSC-1*	Coupler Stress Control Kit	054007-33800	kit	1	-	1.6	10	-	kit	91.70	77.03	-
C-SKFL5	Chemroll 5 Gal Chemical Spill Kit	051138-46288	each	1	-	7.5	1	3	each	94.99	74.94	78.64
DBR*	Direct Bury Splice Kits (2 splices/kit)	054007-09964	kit	25	1/bag	3.0	1	25	kit	2.55	2.31	2.12
DBR*	Direct Bury Splice Kit (Bulk)	054007-49696	each	100	-	5.6	100	200	each	1.02	0.93	0.85
DBR-6*	600 Volt Direct Bury Splice Kit (Bulk)	054007-49697	each	100	-	6.8	100	200	each	1.37	1.25	1.14
DBR-6*	600 Volt Direct Bury Splice Kits (2 splices/kit)	054007-69756	kit	25	1/bag	3.5	1	25	kit	3.43	3.11	2.85
DBY*	Direct Bury Splice Kit (Bulk)	054007-49698	each	100	-	3.6	100	200	each	0.92	0.84	0.76

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
DBY*	Direct Bury Splice Kits (2 splices/kit)	054007-09053	kit	25	1/bag	2.1	1	25	kit	2.42	2.20	2.02
DBY-6*	600 Volt Direct Bury Splice Kit (Bulk)	054007-49699	each	100	-	7.8	100	200	each	1.21	1.09	1.01
DBY-6*	600 Volt Direct Bury Splice Kits (2 splices/kit)	054007-69757	kit	25	1/bag	2.6	1	25	kit	3.18	2.88	2.64
DT-1000	Datacom/Coax Tester	055128-53009	each	5	-	3.1		-	each	109.95	83.42	-
DT-1000TWT	Telecom & Wall Line Tester	055128-53010	each	5	-	3.5		-	each	129.95	99.96	-
DT-1000WT	Telephone Wall Tester	055128-53011	each	5	-	0.8		-	each	19.95	17.39	-
DT-2000	Datacom/Coax Circuit Tracer	055128-53007	each	1	-	2.5		-	each	349.95	287.64	-
DT-2100	Remote Identifiers	055128-53008	each	3	-	0.2		-	each	112.50	85.01	-
DUCT WRAP 24"*	Duct Wrap 1-1/2" X 24" X 25'	051125-07888	rls	1	-	50.4	1	-	rls	524.13	413.44	-
DUCT WRAP 48"*	Duct Wrap 1-1/2" X 48" X 25'	051125-07889	rls	1	-	99.6	1	-	rls	1048.25	826.88	-
E-4	Resin Pressure Gun	054007-25701	each	1	-	4.0	1	-	each	235.43	185.72	-
E-5A-3*	Endothermic Mat 24.5 in X 25 ft X 0.3 in	051115-02662	rls	1	-	83.4	1	-	rls	633.09	499.39	-
E-5A-4*	Endothermic Mat 24.5 in X 20 ft X 0.4 in	051115-02663	rls	1	-	86.1	1	-	rls	615.50	485.52	-
E-9BM	Communication Connector Tool	054007-33482	each	10	1/box	9.1	1	-	each	88.42	69.75	-
E-9C	Communication Connector Tool	054007-34211	each	1	-	2.1	1	-	each	169.27	133.53	-
E-9E	Communication Connector Tool	054007-10577	each	10	1/box	5.7	1	-	each	34.68	27.36	-
E-9Y	Communication Connector Tool	054007-15625	each	10	1/box	3.0	1	-	each	37.92	29.92	-
EC-1	Cold Shrink End Caps	051138-52440	each	10	1	1.0	1	-	each	3.40	2.68	-
EC-1 Bulk	Cold Shrink End Caps	051138-52444	each	40	1	0.2	1	-	each	3.34	2.64	-
EC-2	Cold Shrink End Caps	051138-52441	each	10	1	1.0	1	-	each	4.74	3.74	-
EC-2 Bulk	Cold Shrink End Caps	051138-52445	each	40	1	0.2	1	-	each	4.65	3.67	-
EC-3	Cold Shrink End Caps	051138-52442	each	10	1	2.0	1	-	each	6.55	5.17	-
EC-3 Bulk	Cold Shrink End Caps	051138-52446	each	40	1	0.2	1	-	each	6.41	5.06	-
EC-4	Cold Shrink End Caps	051138-52443	each	10	1	3.0	1	-	each	8.62	6.80	-
EC-4 Bulk	Cold Shrink End Caps	051138-52447	each	40	1	0.2	1	-	each	8.38	6.61	-
EPS-300**	H/S T/W Adhesive Lined Tubing Kit	051135-38444	kit	5	10/pack	6.7	5	-	kit	94.48	78.53	-
EPS-300-1 1/2-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Sticks;Small Box(5 Sticks)	051135-36881	box	1	5/Box	2.9	5	-	box	186.85	155.30	-
EPS-300-1 1/2-Black*	H/S T/W Adhesive Lined Tubing 6" Pcs; 4 Pcs/Bag; 10 Bags/Box	051135-36598	pack	10	-	2.3	10	-	pack	25.60	21.28	-
EPS-300-1/2-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Sticks;Small Box(12 Sticks	051135-36878	box	1	12/Box	2.2	12	-	box	134.04	111.36	-
EPS-300-1/2-Black**	H/S T/W Adhesive Lined Tubing 6" Pcs; 14 Pcs/Bag; 10 Bags/Box	051135-36595	pack	10	14 Sticks/Pack	2.3	10	-	pack	25.60	21.28	-
EPS-300-1/2-Red**	H/S T/W Adhesive Lined Tubing 6" Pcs; 14 Pcs/Bag; 10 Bags/Box	051135-38441	pack	10	14 Sticks/Pack	2.3	10	-	pack	25.60	21.28	-
EPS-300-1/4-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Sticks;Small Box(12 Sticks	051135-36876	box	1	12/Box	1.7	12	-	box	102.00	84.72	-
EPS-300-1/4-Black*	H/S T/W Adhesive Lined Tubing 6" Pcs; 20 Pcs/Bag; 10 Bags/Box	051135-36593	pack	10	-	1.2	10	-	pack	25.60	21.28	-
EPS-300-1/8-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Stick;Small Box(25 Sticks)	051135-37483	box	1		1.4	25	-	box	151.50	119.50	-
EPS-300-1-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Sticks;Small Box(5 Sticks)	051135-36880	box	1	5/Box	2.3	5	-	box	113.65	94.45	-
EPS-300-1-Black*	H/S T/W Adhesive Lined Tubing 6" Pcs; 8 Pcs/Bag; 10 Bags/Box	051135-36597	pack	10	8 Sticks/Pack	4.4	10	-	pack	25.60	21.28	-
EPS-300-1-Red**	H/S T/W Adhesive Lined Tubing 6" Pcs; 8 Pcs/Bag; 10 Bags/Box	051135-38443	pack	10	8 Sticks/Pack	4.4	10	-	pack	25.60	21.28	-
EPS-300-3/4-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Sticks;Small Box(5 Sticks)	051135-36879	box	1	5/Box	5.2	5	-	box	93.35	77.65	-
EPS-300-3/4-Black*	H/S T/W Adhesive Lined Tubing 6" Pcs; 12 Pcs/Bag; 10 Bags/Box	051135-36596	pack	10	12 Sticks/Pack	3.3	10	-	pack	25.60	21.28	-
EPS-300-3/4-Red**	H/S T/W Adhesive Lined Tubing 6" Pcs; 12 Pcs/Bag; 10 Pcs/Box	051135-38442	pack	10	12 Sticks/Pack	3.3	10	-	pack	25.60	21.28	-
EPS-300-3/8-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Sticks;Small Box(12 Sticks	051135-36877	box	1	12/Box	1.7	12	-	box	122.88	102.12	-
EPS-300-3/8-Black*	H/S T/W Adhesive Lined Tubing 6" Pcs; 16 Pcs/Bag; 10 Bags/Box	051135-36594	pack	10	-	1.5	10	-	pack	25.60	21.28	-
EPS-300-3/16-48-Black*	M/W Flexible Polyolefin Tubing;4 Ft Sticks;Small Box(12 Sticks	051135-36875	box	1	12/Box	1.3	12	-	box	88.80	73.92	-
EPS-300-3/16-Black*	H/S T/W Adhesive Lined Tubing 6" Pcs; 24 Pcs/Bag; 10 Bags/Box	051135-36592	pack	10	-	1.2	10	-	pack	25.60	21.28	-
EPS-300-H-1/2-Black*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (1	051135-38753	box	1	-	2.2		-	box	134.76	106.32	-
EPS-300-H-1/2-Red*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (1	051135-38754	box	1	-	2.2		-	box	134.76	106.32	-
EPS-300-H-1/4-Black*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (1	051135-38751	box	1	-	1.3		-	box	102.72	81.12	-

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EPS-300-H-1/8-Black*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (2	051135-38749	box	1	-	1.5		-	box	170.50	134.50	-
EPS-300-H-1-Black*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (5	051135-38757	box	1	-	2.3		-	box	114.00	89.90	-
EPS-300-H-1-Red*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (5	051135-38758	box	1	-	2.3		-	box	114.00	89.90	-
EPS-300-H-3/4-Black*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (5	051135-38755	box	1	-	1.8		-	box	93.80	73.95	-
EPS-300-H-3/4-Red*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (5	051135-38756	box	1	-	1.8		-	box	93.80	73.95	-
EPS-300-H-3/8-Black*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (1	051135-38752	box	1	-	1.7		-	box	123.60	97.56	-
EPS-300-H-3/16-Black*	H/S T/W Adhesive Lined Tubing 48" Sticks w/Header Small Box (1	051135-38750	box	1	-	1.3		-	box	89.76	70.80	-
F-10	Cable Repair Funnel	054007-09142	each	1	-	0.0	10	-	each	2.33	1.76	-
FIREDAM 150*	Fire Barrier Caulk 10.5 Fl Oz Cartridge	051115-02658	tube	12	-	16.6	12	-	tube	9.48	7.48	-
FIREDAM 150*	Fire Barrier Caulk 4.5 Gallon Pail	051115-07257	each	1	-	66.8	1	-	each	373.80	294.86	-
FIREDAM 150+	Fire Barrier Caulk 28.5 Fl Oz Cartridge	051115-11602	cart	6	-	18.1	6	-	cart	30.76	24.26	-
FIREDAM 150+	Fire Barrier Caulk 4.5 Gallon Pail	051115-11575	pail	1	-	59.0	1	-	pail	403.01	317.90	-
FIREDAM 150+	Fire Barrier Caulk 10.5 Fl Oz Cartridge	051115-11574	cart	12	-	13.2	12	-	cart	11.53	9.10	-
FIREDAM SPRAY	3M New Firedam Spray 5 Gallon Pail	051115-11605	pail	1		48.3	1	-	pail	468.49	369.55	-
FP-063-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08877	each	200	-	0.3	200	-	100	18.91	15.72	-
FP-063-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40058	reel	1	-	0.6	1	-	reel	11.52	9.57	-
FP-093-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08878	each	200	-	0.4	200	-	100	19.03	15.82	-
FP-093-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40059	reel	1	-	0.7	1	-	reel	13.19	10.96	-
FP-125-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08879	each	200	-	0.3	200	-	100	19.17	15.93	-
FP-125-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40060	reel	1	-	0.1	1	-	reel	13.31	11.06	-
FP-187-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08880	each	200	-	0.6	200	-	100	20.74	17.24	-
FP-187-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40061	reel	1	-	0.7	1	-	reel	14.17	11.78	-
FP-250-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08881	each	200	-	1.2	200	-	100	21.45	17.83	-
FP-250-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40062	reel	1	-	0.2	1	-	reel	14.72	12.24	-
FP-301*	Heat Shrink Tubing Kit (Black Assortment)	051135-38139	each	5		7.0	5	-	each	59.33	46.80	-
FP-301-1 1/2-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36731	box	1	-	2.0	5	-	box	40.30	33.55	-
FP-301-1 1/2-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36736	box	1	-	2.0	5	-	box	40.30	33.55	-
FP-301-1 1/2-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36732	box	1	-	2.0	5	-	box	40.30	33.55	-
FP-301-1 1/2-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36734	box	1	-	2.0	5	-	box	40.30	33.55	-
FP-301-1 1/2-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36733	box	1	-	2.0	5	-	box	40.30	33.55	-
FP-301-1 1/2-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36735	box	1	-	2.0	5	-	box	40.30	33.55	-
FP-301-1 1/2-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 6 Pcs/Bag; 10 Bags/Box	051135-36504	pack	10	-	2.4	10	-	pack	8.74	7.26	-
FP-301-1 1/2-Black*	Heat Shrink Thin Wall Tubing 50' Spool	051138-36026	feet	50	-	4.2	100	-	100	213.92	177.81	-
FP-301-1 1/2-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	054007-38857	feet	200	100	16.4	200	-	100	150.70	125.26	-
FP-301-1 1/2-Clear*	Heat Shrink Thin Wall Tubing 50' Spool	051138-36025	feet	50	-	3.4	100	-	100	213.92	177.81	-
FP-301-1 1/2-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 6 Pcs/Bag; 10 Bags/Box	051135-36505	pack	10	-	2.0	10	-	pack	8.74	7.26	-
FP-301-1 1/2-Red*	Heat Shrink Thin Wall Tubing 100' Spool	054007-38860	feet	200	100	15.6	200	-	100	150.70	125.26	-
FP-301-1 1/2-White*	Heat Shrink Thin Wall Tubing 100' Spool	054007-08515	feet	200	100	16.3	200	-	100	150.70	125.26	-
FP-301-1 1/2-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	054007-08516	feet	200	100	15.6	200	-	100	150.70	125.26	-
FP-301-1/2-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36709	box	1	-	1.5	12	-	box	27.72	23.16	-
FP-301-1/2-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36714	box	1	-	1.5	12	-	box	27.72	23.16	-
FP-301-1/2-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36710	box	1	-	1.5	12	-	box	27.72	23.16	-
FP-301-1/2-48-Green*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36715	box	1	-	1.5	12	-	box	27.72	23.16	-
FP-301-1/2-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36712	box	1	-	1.5	12	-	box	27.72	23.16	-
FP-301-1/2-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36711	box	1	-	1.5	12	-	box	27.72	23.16	-
FP-301-1/2-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36713	box	1	-	1.5	12	-	box	27.72	23.16	-
FP-301-1/2-Assort*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 2 Each of 7 Color	051135-36623	pack	10	-	1.3	10	-	pack	8.74	7.26	-
FP-301-1/2-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 20 Pcs/Bag; 10 Bags/Box	051135-36498	pack	10	20 Pcs/Pack	1.7	10	-	pack	8.74	7.26	-
FP-301-1/2-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35586	feet	300	100	4.9	300	-	100	55.19	45.88	-
FP-301-1/2-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35589	feet	300	100	5.2	300	-	100	55.19	45.88	-
FP-301-1/2-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 20 Pcs/Bag; 10 Bags/Box	051135-36499	pack	10	-	1.4	10	-	pack	8.74	7.26	-
FP-301-1/2-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35591	feet	300	100	3.9	300	-	100	55.19	45.88	-
FP-301-1/2-Green*	Heat Shrink Thin Wall Tubing 100' Spool	051135-37347	feet	300	100	4.9	300	-	100	55.19	45.88	-
FP-301-1/2-Red*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35588	feet	300	100	5.2	300	-	100	55.19	45.88	-
FP-301-1/2-White*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35587	feet	300	100	5.2	300	-	100	55.19	45.88	-

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FP-301-1/2-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35590	feet	300	100	5.2	300	-	100	55.19	45.88	-
FP-301-1/4-3/4-Black*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 4 Each of 4 Sizes	051135-36613	pack	10	-	1.8	10	-	pack	8.74	7.26	-
FP-301-1/4-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36694	box	1	-	1.3	12	-	box	22.20	18.36	-
FP-301-1/4-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36699	box	1	-	1.3	12	-	box	22.20	18.36	-
FP-301-1/4-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36695	box	1	-	1.2	12	-	box	22.20	18.36	-
FP-301-1/4-48-Green*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36700	box	1	-	1.3	12	-	box	22.20	18.36	-
FP-301-1/4-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36697	box	1	-	1.3	12	-	box	22.20	18.36	-
FP-301-1/4-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36696	box	1	-	1.3	12	-	box	22.20	18.36	-
FP-301-1/4-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36698	box	1	-	1.3	12	-	box	22.20	18.36	-
FP-301-1/4-Assort*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 3 Each of 7 Color	051135-36621	pack	10	-	1.0	10	-	pack	8.74	7.26	-
FP-301-1/4-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 26 Pcs/Bag; 10 Bags/Box	051135-36494	pack	10	26 Pcs/Pack	1.2	10	-	pack	8.74	7.26	-
FP-301-1/4-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35574	feet	300	100	3.4	300	-	100	44.98	37.38	-
FP-301-1/4-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35577	feet	300	100	3.8	300	-	100	44.98	37.38	-
FP-301-1/4-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 26 Pcs/Bag; 10 Bags/Box	051135-36495	pack	10	-	0.9	10	-	pack	8.74	7.26	-
FP-301-1/4-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35579	feet	300	100	2.9	300	-	100	44.98	37.38	-
FP-301-1/4-Green*	Heat Shrink Thin Wall Tubing 100' Spool	051135-37346	feet	300	100	3.4	300	-	100	44.98	37.38	-
FP-301-1/4-Red*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35576	feet	300	100	3.8	300	-	100	44.98	37.38	-
FP-301-1/4-White*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35575	feet	300	100	3.8	300	-	100	44.98	37.38	-
FP-301-1/4-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35578	feet	300	100	3.8	300	-	100	44.98	37.38	-
FP-301-1/8-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36680	box	1	-	1.2	25	-	box	29.50	24.50	-
FP-301-1/8-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36685	box	1	-	1.2	25	-	box	29.50	24.50	-
FP-301-1/8-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36681	box	1	-	1.2	25	-	box	29.50	24.50	-
FP-301-1/8-48-Green*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36686	box	1	-	1.2	25	-	box	29.50	24.50	-
FP-301-1/8-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36683	box	1	-	1.2	25	-	box	29.50	24.50	-
FP-301-1/8-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36682	box	1	-	1.2	25	-	box	29.50	24.50	-
FP-301-1/8-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36684	box	1	-	1.2	25	-	box	29.50	24.50	-
FP-301-1/8-Assort*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 4 Each of 7 Color	051135-36619	pack	10	-	0.5	10	-	pack	8.74	7.26	-
FP-301-1/8-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 34 Pcs/Bag; 10 Bags/Box	051135-36490	pack	10	-	0.6	10	-	pack	8.74	7.26	-
FP-301-1/8-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35562	feet	300	100	2.4	300	-	100	29.24	24.31	-
FP-301-1/8-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35565	feet	300	100	2.2	300	-	100	29.24	24.31	-
FP-301-1/8-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35567	feet	300	100	2.4	300	-	100	29.24	24.31	-
FP-301-1/8-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 34 Pcs/Bag; 10 Bags/Box	051135-36491	pack	10	-	0.6	10	-	pack	8.74	7.26	-
FP-301-1/8-Green*	Heat Shrink Thin Wall Tubing 100' Spool	051135-37593	feet	300	100	2.4	300	-	100	29.24	24.31	-
FP-301-1/8-Red*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35564	feet	300	100	2.2	300	-	100	29.24	24.31	-
FP-301-1/8-White*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35563	feet	300	100	2.2	300	-	100	29.24	24.31	-
FP-301-1/8-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35566	feet	300	100	2.2	300	-	100	29.24	24.31	-
FP-301-1/16-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36650	box	1	-	1.1	25	-	box	25.00	20.75	-
FP-301-1/16-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36655	box	1	-	1.1	25	-	box	25.00	20.75	-
FP-301-1/16-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36651	box	1	-	1.1	25	-	box	25.00	20.75	-
FP-301-1/16-48-Green*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36672	box	1	-	1.1	25	-	box	25.00	20.75	-
FP-301-1/16-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36653	box	1	-	1.1	25	-	box	25.00	20.75	-
FP-301-1/16-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36652	box	1	-	1.1	25	-	box	25.00	20.75	-
FP-301-1/16-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36654	box	1	-	1.1	25	-	box	25.00	20.75	-
FP-301-1/16-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 38 Pcs/Bag; 10 Bags/Box	051135-36486	pack	10	-	0.4	10	-	pack	8.74	7.26	-
FP-301-1/16-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35550	feet	300	100	2.0	300	-	100	24.36	20.25	-
FP-301-1/16-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35553	feet	300	100	2.3	300	-	100	24.36	20.25	-
FP-301-1/16-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 38 Pcs/Bag; 10 Bags/Box	051135-36487	pack	10	-	0.4	10	-	pack	8.74	7.26	-
FP-301-1/16-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35555	feet	300	100	1.9	300	-	100	24.36	20.25	-
FP-301-1/16-Green*	Heat Shrink Thin Wall Tubing 100' Spool	051135-37591	feet	300	100	2.0	300	-	100	24.36	20.25	-
FP-301-1/16-Red*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35552	feet	300	100	2.3	300	-	100	24.36	20.25	-
FP-301-1/16-White*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35551	feet	300	100	2.3	300	-	100	24.36	20.25	-
FP-301-1/16-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35554	feet	300	100	2.3	300	-	100	24.36	20.25	-
FP-301-1-4-Black*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 2 Each of 5 Sizes	051135-36614	pack	10	-	5.4	10	-	pack	41.94	34.86	-
FP-301-1-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36725	box	1	-	1.6	5	-	box	21.70	18.05	-
FP-301-1-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36730	box	1	-	1.6	5	-	box	21.70	18.05	-
FP-301-1-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36726	box	1	-	1.6	5	-	box	21.70	18.05	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
FP-301-1-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36728	box	1	-	1.6	5	-	box	21.70	18.05	-
FP-301-1-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36727	box	1	-	1.6	5	-	box	21.70	18.05	-
FP-301-1-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36729	box	1	-	1.6	5	-	box	21.70	18.05	-
FP-301-1-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 10 Pcs/Bag; 10 Bags/Box	051135-36502	pack	10	-	2.0	10	-	pack	8.74	7.26	-
FP-301-1-Black*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35598	feet	150	50	6.0	150	-	100	109.56	91.06	-
FP-301-1-Blue*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35601	feet	150	50	6.3	150	-	100	109.56	91.06	-
FP-301-1-Clear*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35603	feet	150	50	4.9	150	-	100	109.56	91.06	-
FP-301-1-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 10 Pcs/Bag; 10 Bags/Box	051135-36503	pack	10	-	1.8	10	-	pack	8.74	7.26	-
FP-301-1-Green*	Heat Shrink Thin Wall Tubing 50' Spool	051135-37768	feet	150	50	4.6	150	-	100	109.56	91.06	-
FP-301-1-Red*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35600	feet	150	50	6.3	150	-	100	109.56	91.06	-
FP-301-1-White*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35599	feet	150	50	6.3	150	-	100	109.56	91.06	-
FP-301-1-Yellow*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35602	feet	150	50	6.3	150	-	100	109.56	91.06	-
FP-301-2-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36737	box	1	-	1.6	5	-	box	55.65	46.25	-
FP-301-2-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36742	box	1	-	1.6	5	-	box	55.65	46.25	-
FP-301-2-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36738	box	1	-	1.6	5	-	box	55.65	46.25	-
FP-301-2-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36740	box	1	-	1.6	5	-	box	55.65	46.25	-
FP-301-2-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36739	box	1	-	1.6	5	-	box	55.65	46.25	-
FP-301-2-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (5 Sticks)	051135-36741	box	1	-	1.6	5	-	box	55.65	46.25	-
FP-301-2-Black*	Heat Shrink Thin Wall Tubing 50' Spool	051138-36024	feet	50	-	5.4	100	-	100	295.48	245.60	-
FP-301-2-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 4 Pcs/Bag; 10 Bags/Box	051135-36506	pack	10	-	2.2	10	-	pack	8.74	7.26	-
FP-301-2-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	054007-38870	feet	200	100	19.7	200	-	100	208.20	173.07	-
FP-301-2-Clear*	Heat Shrink Thin Wall Tubing 50' Spool	051138-36023	feet	50	-	4.4	100	-	100	295.48	245.60	-
FP-301-2-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 4 Pcs/Bag; 10 Bags/Box	051135-36507	pack	10	-	1.9	10	-	pack	8.74	7.26	-
FP-301-2-Red*	Heat Shrink Thin Wall Tubing 100' Spool	054007-08518	feet	200	100	19.2	200	-	100	208.20	173.07	-
FP-301-2-White*	Heat Shrink Thin Wall Tubing 100' Spool	054007-08519	feet	200	100	18.8	200	-	100	208.20	173.07	-
FP-301-2-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	054007-08520	feet	200	100	18.8	200	-	100	208.20	173.07	-
FP-301-3/4-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36716	box	1	-	1.9	12	-	box	37.20	31.08	-
FP-301-3/4-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36724	box	1	-	1.9	12	-	box	37.20	31.08	-
FP-301-3/4-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36720	box	1	-	1.9	12	-	box	37.20	31.08	-
FP-301-3/4-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36722	box	1	-	1.9	12	-	box	37.20	31.08	-
FP-301-3/4-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36721	box	1	-	1.9	12	-	box	37.20	31.08	-
FP-301-3/4-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36723	box	1	-	1.9	12	-	box	37.20	31.08	-
FP-301-3/4-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 14 Pcs/Bag; 10 Bags/Box	051135-36500	pack	10	-	2.0	10	-	pack	8.74	7.26	-
FP-301-3/4-Black*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35592	feet	150	50	4.6	150	-	100	74.07	61.56	-
FP-301-3/4-Blue*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35595	feet	150	50	4.9	150	-	100	74.07	61.56	-
FP-301-3/4-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 14 Pcs/Bag; 10 Bags/Box	051135-36501	pack	10	-	2.8	10	-	pack	8.74	7.26	-
FP-301-3/4-Clear*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35597	feet	150	50	4.1	150	-	100	74.07	61.56	-
FP-301-3/4-Green*	Heat Shrink Thin Wall Tubing 50' Spool	051135-37348	feet	150	50	4.6	150	-	100	74.07	61.56	-
FP-301-3/4-Red*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35594	feet	150	50	4.9	150	-	100	74.07	61.56	-
FP-301-3/4-White*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35593	feet	150	50	4.9	150	-	100	74.07	61.56	-
FP-301-3/4-Yellow*	Heat Shrink Thin Wall Tubing 50' Spool	051135-35596	feet	150	50	4.9	150	-	100	74.07	61.56	-
FP-301-3/8-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36701	box	1	-	1.4	12	-	box	24.72	20.64	-
FP-301-3/8-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36706	box	1	-	1.4	12	-	box	24.72	20.64	-
FP-301-3/8-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36702	box	1	-	1.4	12	-	box	24.72	20.64	-
FP-301-3/8-48-Green*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36707	box	1	-	1.4	12	-	box	24.72	20.64	-
FP-301-3/8-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36704	box	1	-	1.4	12	-	box	24.72	20.64	-
FP-301-3/8-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36703	box	1	-	1.4	12	-	box	24.72	20.64	-
FP-301-3/8-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (12 Sticks)	051135-36705	box	1	-	1.4	12	-	box	24.72	20.64	-
FP-301-3/8-Assort*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 2 Each of 7 Color	051135-36622	pack	10	-	1.0	10	-	pack	8.74	7.26	-
FP-301-3/8-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 24 Pcs/Bag; 10 Bags/Box	051135-36496	pack	10	24 Pcs/Pack	1.6	10	-	pack	8.74	7.26	-
FP-301-3/8-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35580	feet	300	100	4.2	300	-	100	50.93	42.34	-
FP-301-3/8-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35583	feet	300	100	4.5	300	-	100	50.93	42.34	-
FP-301-3/8-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 24 Pcs/Bag; 10 Bags/Box	051135-36497	pack	10	-	1.4	10	-	pack	8.74	7.26	-
FP-301-3/8-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35585	feet	300	100	3.4	300	-	100	50.93	42.34	-
FP-301-3/8-Green*	Heat Shrink Thin Wall Tubing 100' Spool	051135-37643	feet	300	100	4.2	300	-	100	50.93	42.34	-
FP-301-3/8-Red*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35582	feet	300	100	4.5	300	-	100	50.93	42.34	-
FP-301-3/8-White*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35581	feet	300	100	4.5	300	-	100	50.93	42.34	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
FP-301-3/8-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35584	feet	300	100	4.5	300	-	100	50.93	42.34	-
FP-301-3/16-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36687	box	1	-	1.3	25	-	box	36.25	30.25	-
FP-301-3/16-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36692	box	1	-	1.4	25	-	box	36.25	30.25	-
FP-301-3/16-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36688	box	1	-	1.4	25	-	box	36.25	30.25	-
FP-301-3/16-48-Green*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36693	box	1	-	1.4	25	-	box	36.25	30.25	-
FP-301-3/16-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36690	box	1	-	1.4	25	-	box	36.25	30.25	-
FP-301-3/16-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36689	box	1	-	1.4	25	-	box	36.25	30.25	-
FP-301-3/16-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36691	box	1	-	1.4	25	-	box	36.25	30.25	-
FP-301-3/16-Assort*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 3 Each of 7 Color	051135-36620	pack	10	-	0.8	10	-	pack	8.74	7.26	-
FP-301-3/16-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 30 Pcs/Bag; 10 Bags/Box	051135-36492	pack	10	30 Pcs/Pack	0.9	10	-	pack	8.74	7.26	-
FP-301-3/16-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35568	feet	300	100	2.7	300	-	100	35.90	29.84	-
FP-301-3/16-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35571	feet	300	100	3.0	300	-	100	35.90	29.84	-
FP-301-3/16-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35573	feet	300	100	2.4	300	-	100	35.90	29.84	-
FP-301-3/16-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 30 Pcs/Bag; 10 Bags/Box	051135-36493	pack	10	-	0.6	10	-	pack	8.74	7.26	-
FP-301-3/16-Green*	Heat Shrink Thin Wall Tubing 100' Spool	051135-37594	feet	300	-	2.7	300	-	100	34.19	26.97	-
FP-301-3/16-Red*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35570	feet	300	100	3.0	300	-	100	35.90	29.84	-
FP-301-3/16-White*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35569	feet	300	100	3.0	300	-	100	35.90	29.84	-
FP-301-3/16-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35572	feet	300	100	3.0	300	-	100	35.90	29.84	-
FP-301-3/32-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36673	box	1	-	1.2	25	-	box	28.25	23.50	-
FP-301-3/32-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36678	box	1	-	1.2	25	-	box	28.25	23.50	-
FP-301-3/32-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36674	box	1	-	1.2	25	-	box	28.25	23.50	-
FP-301-3/32-48-Green*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36679	box	1	-	1.2	25	-	box	28.25	23.50	-
FP-301-3/32-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36676	box	1	-	1.2	25	-	box	28.25	23.50	-
FP-301-3/32-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36675	box	1	-	1.2	25	-	box	28.25	23.50	-
FP-301-3/32-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36677	box	1	-	1.2	25	-	box	28.25	23.50	-
FP-301-3/32-Assort*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 5 Each of 7 Color	051135-36618	pack	10	-	0.5	10	-	pack	8.74	7.26	-
FP-301-3/32-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35556	feet	300	100	2.3	300	-	100	27.65	22.98	-
FP-301-3/32-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 36 Pcs/Bag; 10 Bags/Box	051135-36488	pack	10	-	0.6	10	-	pack	8.74	7.26	-
FP-301-3/32-Blue*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35559	feet	300	100	2.6	300	-	100	27.65	22.98	-
FP-301-3/32-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35548	feet	300	100	2.4	300	-	100	27.65	22.98	-
FP-301-3/32-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 36 Pcs/Bag; 10 Bags/Box	051135-36489	pack	10	-	0.5	10	-	pack	8.74	7.26	-
FP-301-3/32-Green*	Heat Shrink Thin Wall Tubing 100' Spool	051135-37592	feet	300	100	2.3	300	-	100	27.65	22.98	-
FP-301-3/32-Red*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35558	feet	300	100	2.6	300	-	100	27.65	22.98	-
FP-301-3/32-White*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35557	feet	300	100	2.6	300	-	100	27.65	22.98	-
FP-301-3/32-Yellow*	Heat Shrink Thin Wall Tubing 100' Spool	051135-35560	feet	300	100	2.6	300	-	100	27.65	22.98	-
FP-301-3/64-3/16-Black*	Heat Shrink Thin Wall Tubing Assort. 6" Pcs; 6 Each of 5 Sizes	051135-36612	pack	10	-	0.7	10	-	pack	8.74	7.26	-
FP-301-3/64-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36644	box	1	-	1.1	25	-	box	24.75	20.50	-
FP-301-3/64-48-Blue*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36649	box	1	-	1.1	25	-	box	24.75	20.50	-
FP-301-3/64-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36645	box	1	-	1.1	25	-	box	24.75	20.50	-
FP-301-3/64-48-Red*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36647	box	1	-	1.1	25	-	box	24.75	20.50	-
FP-301-3/64-48-White*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36646	box	1	-	1.1	25	-	box	24.75	20.50	-
FP-301-3/64-48-Yellow*	Flexible Polyolefin 4 Ft Sticks Small Box (25 Sticks)	051135-36648	box	1	-	1.1	25	-	box	24.75	20.50	-
FP-301-3/64-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 40 Pcs/Bag; 10 Bags/Box	051135-36484	pack	10	-	0.4	10	-	pack	9.00	7.48	-
FP-301-3/64-Black*	Heat Shrink Thin Wall Tubing 100' Spool	051138-36027	feet	300	-	2.0	300	-	100	24.36	20.25	-
FP-301-3/64-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 40 Pcs/Bag; 10 Bags/Box	051135-36485	pack	10	-	0.4	10	-	pack	8.74	7.26	-
FP-301-3/64-Clear*	Heat Shrink Thin Wall Tubing 100' Spool	051138-36028	feet	300	10/Pack	1.9	300	-	100	24.36	20.25	-
FP-301-3-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (2 Sticks)	051135-36743	box	1	-	1.9	2	-	box	44.88	37.32	-
FP-301-3-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (2 Sticks)	051135-36744	box	1	-	1.9	2	-	box	44.88	37.32	-
FP-301-3-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 3 Pcs/Bag; 10 Bags/Box	051135-36508	pack	10	-	2.4	10	-	pack	8.74	7.26	-
FP-301-3-Black*	Heat Shrink Thin Wall Tubing 50' Spool	054007-08521	feet	50	-	10.7	50	-	100	420.05	349.16	-
FP-301-3-Black*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-08585	feet	48	-	7.6	12	-	100	363.75	302.25	-
FP-301-3-Blue*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-38931	feet	48	-	7.3	12	-	100	363.75	302.25	-
FP-301-3-Blue*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38880	feet	50	-	9.3	50	-	100	420.05	349.16	-
FP-301-3-Clear*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38982	feet	50	-	7.2	50	-	100	420.05	349.16	-
FP-301-3-Clear*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-39030	feet	48	-	6.4	12	-	100	363.75	302.25	

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
FP-301-3-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 3 Pcs/Bag; 10 Bags/Box	051135-36509	pack	10	-	2.3	10	-	pack	8.74	7.26	-
FP-301-3-Red*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-38932	feet	48	-	7.0	12	-	100	363.75	302.25	-
FP-301-3-Red*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38881	feet	50	-	10.0	50	-	100	420.05	349.16	-
FP-301-3-White*	Heat Shrink Thin Wall Tubing 50' Spool	054007-08522	feet	50	-	9.4	50	-	100	420.05	349.16	-
FP-301-3-White*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-08586	feet	48	-	8.0	12	-	100	363.75	302.25	-
FP-301-3-Yellow*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-57035	feet	48	-	7.6	12	-	100	363.75	302.25	-
FP-301-3-Yellow*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38883	feet	50	-	10.0	50	-	100	420.05	349.16	-
FP-301-4-48-Black*	Flexible Polyolefin 4 Ft Sticks Small Box (2 Sticks)	051135-36745	box	1	2/Box	2.4	2	-	box	58.34	48.52	-
FP-301-4-48-Clear*	Flexible Polyolefin 4 Ft Sticks Small Box (2 Sticks)	051135-36746	box	1	2/Box	2.4	2	-	box	58.34	48.52	-
FP-301-4-Black*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-38934	feet	48	-	11.0	12	-	100	510.00	423.75	-
FP-301-4-Black*	Heat Shrink Thin Wall Tubing 6" Pcs; 2 Pcs/Bag; 10 Bags/Box	051135-36510	pack	10	-	2.6	10	-	pack	8.74	7.26	-
FP-301-4-Black*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38884	feet	50	-	12.0	50	-	100	589.86	490.30	-
FP-301-4-Blue*	Heat Shrink Thin Wall Tubing 50' Spool	054007-58973	feet	50	-	13.8	50	-	100	589.86	490.30	-
FP-301-4-Blue*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-38936	feet	48	-	11.0	12	-	100	510.00	423.75	-
FP-301-4-Clear*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-39032	feet	48	-	10.2	12	-	100	510.00	423.75	-
FP-301-4-Clear*	Heat Shrink Thin Wall Tubing 6" Pcs; 2 Pcs/Bag; 10 Bags/Box	051135-36511	pack	10	-	2.3	10	-	pack	8.74	7.26	-
FP-301-4-Clear*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38986	feet	50	-	10.6	50	-	100	589.86	490.30	-
FP-301-4-Red*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38893	feet	50	-	13.0	50	-	100	589.86	490.30	-
FP-301-4-Red*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-38938	feet	48	-	10.0	12	-	100	510.00	423.75	-
FP-301-4-White*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38894	feet	50	-	13.0	50	-	100	589.86	490.30	-
FP-301-4-White*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-38939	feet	48	-	10.0	12	-	100	510.00	423.75	-
FP-301-4-Yellow*	Heat Shrinkable Polyolefin Tubing 4 Ft Sticks Bulk	054007-59028	feet	48	-	10.5	12	-	100	510.00	423.75	-
FP-301-4-Yellow*	Heat Shrink Thin Wall Tubing 50' Spool	054007-38895	feet	50	-	12.1	50	-	100	589.86	490.30	-
FP-301-Color Assortment*	Heat Shrink Tubing Kit - Color Assortment	051135-37677	each	5		7.0	5	-	each	59.33	46.80	-
FP-301H-1/2-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36804	box	1	-	1.4	1	-	box	28.56	22.44	-
FP-301H-1/2-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36810	box	1	-	1.5	1	-	box	28.56	22.44	-
FP-301H-1/2-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36806	box	1	-	1.5	1	-	box	28.56	22.44	-
FP-301H-1/2-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36811	box	1	-	1.5	1	-	box	28.56	22.44	-
FP-301H-1/2-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36808	box	1	-	1.5	1	-	box	28.56	22.44	-
FP-301H-1/2-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36807	box	1	-	1.5	1	-	box	28.56	22.44	-
FP-301H-1/2-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36809	box	1	-	1.5	1	-	box	28.56	22.44	-
FP-301H-1/4-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36791	box	1	-	1.3	1	-	box	23.04	18.12	-
FP-301H-1/4-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36796	box	1	-	1.3	1	-	box	23.04	18.12	-
FP-301H-1/4-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36792	box	1	-	1.2	1	-	box	23.04	18.12	-
FP-301H-1/4-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36797	box	1	-	1.3	1	-	box	23.04	18.12	-
FP-301H-1/4-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36794	box	1	-	1.3	1	-	box	23.04	18.12	-
FP-301H-1/4-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36793	box	1	-	1.3	1	-	box	23.04	18.12	-
FP-301H-1/4-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36795	box	1	-	1.3	1	-	box	23.04	18.12	-
FP-301H-1/8-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36777	box	1	-	1.2	1	-	box	31.50	25.00	-
FP-301H-1/8-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36782	box	1	-	1.2	1	-	box	31.50	25.00	-
FP-301H-1/8-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36778	box	1	-	1.2	1	-	box	31.50	25.00	-
FP-301H-1/8-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36783	box	1	-	1.2	1	-	box	31.50	25.00	-
FP-301H-1/8-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36780	box	1	-	1.2	1	-	box	31.50	25.00	-
FP-301H-1/8-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36779	box	1	-	1.2	1	-	box	31.50	25.00	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
FP-301H-1/8-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36781	box	1	-	1.2	1	-	box	31.50	25.00	-
FP-301H-1/16-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36748	box	1	-	1.1	1	-	box	27.00	21.25	-
FP-301H-1/16-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36753	box	1	-	1.1	1	-	box	27.00	21.25	-
FP-301H-1/16-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36749	box	1	-	1.1	1	-	box	27.00	21.25	-
FP-301H-1/16-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36754	box	1	-	1.1	1	-	box	27.00	21.25	-
FP-301H-1/16-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36751	box	1	-	1.1	1	-	box	27.00	21.25	-
FP-301H-1/16-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36750	box	1	-	1.1	1	-	box	27.00	21.25	-
FP-301H-1/16-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36752	box	1	-	1.1	1	-	box	27.00	21.25	-
FP-301H-1-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (5 Sticks)	051135-36818	box	1	-	1.6	1	-	box	22.05	17.35	-
FP-301H-1-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (5 Sticks)	051135-36823	box	1	-	1.6	1	-	box	22.05	17.35	-
FP-301H-1-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (5 Sticks)	051135-36819	box	1	-	1.6	1	-	box	22.05	17.35	-
FP-301H-1-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (5 Sticks)	051135-37766	box	1	-	1.6	1	-	box	22.05	17.35	-
FP-301H-1-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (5 Sticks)	051135-36821	box	1	-	1.6	1	-	box	22.05	17.35	-
FP-301H-1-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (5 Sticks)	051135-36820	box	1	-	1.6	1	-	box	22.05	17.35	-
FP-301H-1-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (5 Sticks)	051135-36822	box	1	-	1.6	1	-	box	22.05	17.35	-
FP-301H-3/4-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36812	box	1	-	1.9	1	-	box	37.92	29.88	-
FP-301H-3/4-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36817	box	1	-	1.9	1	-	box	37.92	29.88	-
FP-301H-3/4-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36813	box	1	-	1.9	1	-	box	37.92	29.88	-
FP-301H-3/4-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-37763	box	1	-	1.9	1	-	box	37.92	29.88	-
FP-301H-3/4-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36815	box	1	-	1.9	1	-	box	37.92	29.88	-
FP-301H-3/4-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36814	box	1	-	1.9	1	-	box	37.92	29.88	-
FP-301H-3/4-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36816	box	1	-	1.9	1	-	box	37.92	29.88	-
FP-301H-3/8-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36798	box	1	-	1.4	1	-	box	25.56	20.16	-
FP-301H-3/8-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36803	box	1	-	1.4	1	-	box	25.56	20.16	-
FP-301H-3/8-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36799	box	1	-	1.4	1	-	box	25.56	20.16	-
FP-301H-3/8-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36801	box	1	-	1.4	1	-	box	25.56	20.16	-
FP-301H-3/8-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36800	box	1	-	1.4	1	-	box	25.56	20.16	-
FP-301H-3/8-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (12 Sticks	051135-36802	box	1	-	1.4	1	-	box	25.56	20.16	-
FP-301H-3/16-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36784	box	1	-	1.3	1	-	box	38.00	30.25	-
FP-301H-3/16-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36789	box	1	-	1.3	1	-	box	38.00	30.25	-
FP-301H-3/16-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36785	box	1	-	1.3	1	-	box	38.00	30.25	-
FP-301H-3/16-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36790	box	1	-	1.3	1	-	box	38.00	30.25	-
FP-301H-3/16-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36787	box	1	-	1.3	1	-	box	38.00	30.25	-
FP-301H-3/16-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36786	box	1	-	1.3	1	-	box	38.00	30.25	-
FP-301H-3/16-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36788	box	1	-	1.3	1	-	box	38.00	30.25	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
FP-301H-3/32-BL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36770	box	1	-	1.2	1	-	box	30.25	23.75	-
FP-301H-3/32-BU*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36775	box	1	-	1.2	1	-	box	30.25	23.75	-
FP-301H-3/32-CR*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36771	box	1	-	1.2	1	-	box	30.25	23.75	-
FP-301H-3/32-GN*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36776	box	1	-	1.2	1	-	box	30.25	23.75	-
FP-301H-3/32-RD*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36773	box	1	-	1.2	1	-	box	30.25	23.75	-
FP-301H-3/32-WT*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36772	box	1	-	1.2	1	-	box	30.25	23.75	-
FP-301H-3/32-YL*	H/S Thin Wall Tubing 48" Sticks w/ Header Small Box (25 Sticks	051135-36774	box	1	-	1.2	1	-	box	30.25	23.75	-
FP-375-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08882	each	200	-	1.2	200	-	100	22.31	18.54	-
FP-375-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40063	reel	1	-	0.2	1	-	reel	15.60	12.96	-
FP-500-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08883	each	200	-	1.7	200	-	100	27.01	22.44	-
FP-500-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40064	reel	1	-	0.3	1	-	reel	17.56	14.60	-
FP-750-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08884	each	200	-	3.5	200	-	100	36.95	30.70	-
FP-750-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40065	reel	1	-	1.1	1	-	reel	24.74	20.56	-
FP-1000-BK-6*	Heat Shrink Thin Wall Tubing (Boxed)	054007-08885	each	200	-	4.2	200	-	100	65.92	54.80	-
FP-1000-BK-25*	Heat Shrink Thin Wall Tubing (Boxed)	054007-40066	reel	1	-	1.6	1	-	reel	37.88	31.49	-
FS-195+*	Wrap Strip 1 in X 24 in	051125-07864	each	20	-	7.0	20	-	each	6.07	4.79	-
FS-195+*	Wrap Strip 2 in X 24 in	051115-07115	each	10	-	7.7	10	-	each	11.84	9.34	-
G	Spring Connector Grey (Boxed)	054007-21346	conn	1000	100/box	16.5	100	1000	100	30.63	27.51	23.14
G	Spring Connector Grey (Bulk)	054007-70488	conn	2500	500/bag	39.8	500	2500	1000	251.15	225.62	189.75
GG-1525	Animal Guard	054007-43125	pcs	100	25/box	5.0	25	-	pcs	13.80	10.89	-
GG-2545	Animal Guard	054007-43126	pcs	100	25/box	31.7	25	-	pcs	15.25	12.03	-
GG-4565	Animal Guard	054007-43127	pcs	100	25/box	45.8	25	-	pcs	19.79	15.61	-
GG-7525	Animal Guard	054007-43128	pcs	100	25/box	24.2	25	-	pcs	13.81	10.89	-
GS-1	Ground Straps	054007-33976	each	9	3/bag	0.5	9	-	each	14.91	11.76	-
GS-2	Ground Straps	054007-33977	each	9	3/bag	1.0	9	-	each	16.44	12.97	-
GS-3	Ground Straps	054007-33978	each	9	3/bag	1.1	9	-	each	17.24	13.60	-
GSHA-8	QTII Hi-Amp Grounding Kit	054007-50042	each	10	-	3.5	10	-	each	32.74	25.83	-
H-10	Filament Tape Dispenser	021200-06910	each	6	-	1.5	6	-	each	16.83	13.29	-
H-29*	Gray Connector (Size 71B) Keg-Loose	054007-43135	conn	25000	-	34.1	25000	-	1000	45.42	34.32	-
H-29	Gray Connector (Size 71B) Bin	054007-43134	conn	1000	-	1.4	1000	-	1000	50.71	38.31	-
H-29	Gray Connector (Size 71B) Boxed	054007-43133	conn	1000	100/box	1.7	100	1000	100	5.53	5.13	4.18
H-30	Blue Connector (Size 72B) Keg-Loose	054007-43124	conn	10000	-	23.6	10000	-	1000	52.81	39.90	-
H-30	Blue Connector (Size 72B) Bin	054007-43123	conn	1000	-	2.3	1000	-	1000	59.00	44.57	-
H-30	Blue Connector (Size 72B) Boxed	054007-43122	conn	1000	100/box	2.9	100	1000	100	6.47	6.00	4.89
H-31	Orange Connector (Size 73B) Boxed	054007-43117	conn	1000	100/box	4.8	100	1000	100	7.50	6.96	5.66
H-31	Orange Connector (Size 73B) Bin	054007-43119	conn	1000	-	13.4	1000	-	1000	72.26	54.59	-
H-31	Orange Connector (Size 73B) Bulk	054007-43118	conn	10000	500/bag	43.7	500	10000	1000	64.94	60.25	49.07
H-31	Orange Connector (Size 73B) Keg-Loose	054007-43120	conn	10000	-	42.8	10000	-	1000	64.64	48.84	-
H-33	Yellow Connector (Size 74B) Bulk	054007-43138	conn	5000	500/bag	36.0	500	5000	1000	72.67	67.43	54.91
H-33	Yellow Connector (Size 74B) Bin	054007-43137	conn	1000	-	7.0	1000	-	1000	81.52	61.59	-
H-33	Yellow Connector (Size 74B) Keg-Loose	054007-43139	conn	5000	-	44.6	5000	-	1000	69.03	52.16	-
H-33	Yellow Connector (Size 74B) Boxed	054007-43136	conn	1000	100/bag	7.8	100	1000	100	8.24	7.64	6.23
H-35	Red Connector (Size 76B) Bin	054007-43141	conn	1000	-	0.2	1000	-	1000	113.47	85.73	-
H-35	Red Connector (Size 76B) Boxed	054007-43140	conn	1000	100/box	1.0	100	1000	100	12.92	11.98	9.77
H-35	Red Connector (Size 76B) Bulk	054007-43142	conn	2500	250/bag	30.0	250	2500	1000	102.38	94.99	77.35
H-61	Stretchable Tape Hand Dispenser	051131-06946	each	1	-	1.6	1	-	each	130.12	102.69	-
H-122	Box Sealing Hand Dispenser	021200-06925	each	6	-	2.4	6	-	each	25.23	19.90	-
H-180	Box Sealing 2" Roll-On Dispenser	021200-19008	each	6	-	7.0	6	-	each	18.31	14.45	-
H-183	Box Sealing Hand Dispenser 3"	021200-61850	each	5	-	7.6	5	-	each	37.45	29.56	-
HDBB-205-1-250	Heat Shrink Breakout Boot	054007-58793	each	1	-	0.0	1	-	each	12.14	9.57	-
HDBB-210-1-250	Heat Shrink Breakout Boot	051135-35992	each	1	-	0.1	1	-	each	13.20	10.42	-
HDBB-220-1-250	Heat Shrink Breakout Boot	051138-46654	each	1	-	0.1	1	-	each	15.74	12.42	-
HDBB-230-1-250	Heat Shrink Breakout Boot	051135-35993	each	1	-	0.1	1	-	each	37.11	29.27	-
HDBB-310-1-250	Heat Shrink Breakout Boot	051135-35994	each	1	-	0.1	1	-	each	14.35	11.31	-
HDBB-320-1-250	Heat Shrink Breakout Boot	051135-35995	each	1	-	0.1	1	-	each	15.16	11.95	-
HDBB-321-1-250	Heat Shrink Breakout Boot	051135-35996	each	1	-	0.1	1	-	each	16.31	12.87	-
HDBB-325-1-250	Heat Shrink Breakout Boot	051135-35997	each	1	-	0.1	1	-	each	17.31	13.66	-
HDBB-335-1-250	Heat Shrink Breakout Boot	051135-03409	each	1	-	0.0	1	-	each	23.02	18.16	-
HDBB-340-1-250	Heat Shrink Breakout Boot	051135-35998	each	1	-	0.1	1	-	each	32.77	25.86	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
HDBB-345-1-250	Heat Shrink Breakout Boot	054007-58794	each	1	-	1.0	1	-	each	53.78	42.42	-
HDBB-405-1-250	Heat Shrink Breakout Boot	054007-58795	each	1	-	1.0	1	-	each	14.24	11.23	-
HDBB-410-1-250	Heat Shrink Breakout Boot	051135-35999	each	1	-	0.1	1	-	each	16.13	12.73	-
HDBB-415-1-250	Heat Shrink Breakout Boot	054007-58855	each	1	-	0.1	1	-	each	19.22	15.16	-
HDBB-420-1-250	Heat Shrink Breakout Boot	051135-36000	each	1	-	0.1	1	-	each	23.14	18.25	-
HDBB-425-1-250	Heat Shrink Breakout Boot	054007-58797	each	1	-	1.0	1	-	each	24.52	19.34	-
HDBB-430-1-250	Heat Shrink Breakout Boot	054007-58798	each	1	-	1.0	1	-	each	50.36	39.73	-
HDBB-505-1-250	Heat Shrink Breakout Boot	051138-46648	each	1	-	0.1	1	-	each	53.47	42.17	-
HDBB-605-1-250	Heat Shrink Breakout Boot	051135-36001	each	1	-	0.1	1	-	each	55.47	43.76	-
HDCW 35/10-250	Heat Shrink Wrap Sleeve	051138-48416	each	5	-	1.4	5	-	each	11.79	9.30	-
HDCW 35/10-500	Heat Shrink Wrap Sleeve	051138-48417	each	5	-	2.8	5	-	each	35.45	27.96	-
HDCW 35/10-750	Heat Shrink Wrap Sleeve	051138-48418	each	5	-	4.1	5	-	each	47.81	37.71	-
HDCW 35/10-1000	Heat Shrink Wrap Sleeve	051138-48419	each	5	-	5.0	5	-	each	56.79	44.80	-
HDCW 35/10-1200	Heat Shrink Wrap Sleeve	051138-48436	each	5	-	6.8	5	-	each	64.33	50.74	-
HDCW 55/15-250	Heat Shrink Wrap Sleeve	051138-48420	each	5	-	1.7	5	-	each	17.84	14.08	-
HDCW 55/15-500	Heat Shrink Wrap Sleeve	051138-48421	each	5	-	6.6	5	-	each	45.52	35.90	-
HDCW 55/15-750	Heat Shrink Wrap Sleeve	051138-48422	each	5	-	5.0	5	-	each	54.27	42.81	-
HDCW 55/15-1000	Heat Shrink Wrap Sleeve	051138-48423	each	5	-	6.7	5	-	each	68.76	54.24	-
HDCW 55/15-1200	Heat Shrink Wrap Sleeve	051138-48437	each	5	-	8.1	5	-	each	77.88	61.43	-
HDCW 80/25-250	Heat Shrink Wrap Sleeve	051138-48424	each	5	-	1.9	5	-	each	26.59	20.97	-
HDCW 80/25-500	Heat Shrink Wrap Sleeve	051138-48425	each	5	-	3.9	5	-	each	42.02	33.14	-
HDCW 80/25-750	Heat Shrink Wrap Sleeve	051138-48426	each	5	-	5.8	5	-	each	54.96	43.36	-
HDCW 80/25-1000	Heat Shrink Wrap Sleeve	051138-48427	each	5	-	7.7	5	-	each	74.02	58.38	-
HDCW 80/25-1200	Heat Shrink Wrap Sleeve	051138-48438	each	5	-	9.4	5	-	each	83.83	66.12	-
HDCW 110/30-250	Heat Shrink Wrap Sleeve	051138-48428	each	5	-	2.2	5	-	each	28.95	22.83	-
HDCW 110/30-500	Heat Shrink Wrap Sleeve	051138-48429	each	5	-	4.4	5	-	each	46.12	36.38	-
HDCW 110/30-750	Heat Shrink Wrap Sleeve	051138-48430	each	5	-	6.6	5	-	each	62.67	49.44	-
HDCW 110/30-1000	Heat Shrink Wrap Sleeve	051138-48431	each	5	-	8.8	5	-	each	89.76	70.80	-
HDCW 110/30-1200	Heat Shrink Wrap Sleeve	051138-48439	each	5	-	10.7	5	-	each	105.08	82.89	-
HDCW 140/40-250	Heat Shrink Wrap Sleeve	051138-48432	each	5	-	2.5	5	-	each	28.90	22.79	-
HDCW 140/40-500	Heat Shrink Wrap Sleeve	051138-48433	each	5	-	5.1	5	-	each	47.45	37.43	-
HDCW 140/40-750	Heat Shrink Wrap Sleeve	051138-48434	each	5	-	7.6	5	-	each	64.67	51.01	-
HDCW 140/40-1000	Heat Shrink Wrap Sleeve	051138-48435	each	5	-	10.1	5	-	each	122.93	96.97	-
HDCW 140/40-1200	Heat Shrink Wrap Sleeve	051138-48440	each	5	-	12.2	5	-	each	148.07	116.80	-
HDCW 190/55-1200	Heat Shrink Wrap Sleeve	051135-63564	each	5	-	12.2	5	-	each	320.33	252.68	-
HDT-0400-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-40649	pcs	20	-	4.0	20	-	pcs	16.53	13.04	-
HDT-0800-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-40650	pcs	20	-	8.0	20	-	pcs	17.36	13.70	-
HDT-1100-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-40651	pcs	20	-	10.2	20	-	pcs	22.43	17.69	-
HDT-1500-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-40652	pcs	20	-	20.0	20	-	pcs	33.17	26.17	-
HDT-2000-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-40654	pcs	10	-	14.0	10	-	pcs	34.74	27.40	-
HDT-3000-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-40655	pcs	10	-	20.0	10	-	pcs	45.67	36.03	-
HDT-4500-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-40656	pcs	5	-	16.1	5	-	pcs	107.07	84.46	-
HDT-6000-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	054007-59022	each	5	-	18.0	5	-	each	124.19	97.96	-
HDT-7000-48A-Black*	Heat Shrinkable Heavy Wall Polyolefin Tubing 4 Ft Sticks	051135-37774	each	5	-	23.0	5	-	each	161.07	127.05	-
HDT-A	Large Diameter Heavy Wall H/S Tubing 115mm	051135-38908	each	5	-	9.5	5	-	each	107.07	89.00	-
HDT-A	Large Diameter Heavy Wall H/S Tubing 85mm	051135-38907	each	8	-	12.1	8	-	each	57.08	47.46	-
HIGHLAND 700	Vinyl Tape 3/4" x 66' 1.5" Core	054007-16720	rls	100	-	20.6	10	100	rls	1.82	1.62	1.43
HSJ-1	Heat Shrink Splice Jacket	054007-09270	kit	10	1/bag	9.0	10	-	kit	32.96	26.00	-
HSJ-2	Heat Shrink Splice Jacket	054007-09271	kit	10	1/bag	13.3	10	-	kit	42.45	33.48	-
HSJ-3	Heat Shrink Splice Jacket	054007-09272	kit	5	1/bag	10.6	10	-	kit	50.60	39.92	-
HSK-2	H/S Mine Kit	054007-09163	kit	10	-	9.6	10	-	kit	21.27	17.88	-
HSK-4	H/S Mine Kit	054007-09164	kit	10	-	14.7	10	-	kit	23.32	19.59	-
HSK-6	H/S Mine Kit	054007-09165	kit	5	-	17.6	10	-	kit	39.53	33.20	-
IAL-3*	Airport Lighting Kit (Boxed)	054007-08862	kit	30	1/bag	9.3	30	-	kit	10.31	8.57	-
IMCSF-0400-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-38223	each	20	-	4.0	20	-	each	11.42	9.02	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
IMCSF-0800-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-36348	each	20	-	7.5	20	-	each	12.36	9.75	-
IMCSF-1100-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-36349	each	20	-	10.0	20	-	each	15.85	12.50	-
IMCSF-1300-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-38224	each	20	-	11.0	20	-	each	19.67	15.51	-
IMCSF-1500-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-38225	each	20	-	13.0	20	-	each	22.95	18.11	-
IMCSF-1700-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-38226	each	20	-	15.4	20	-	each	23.61	18.62	-
IMCSF-2000-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-38227	each	15	-	13.6	15	-	each	24.17	19.07	-
IMCSF-3000-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-38228	each	15	-	23.0	15	-	each	40.10	31.63	-
IMCSF-4300-BK-48A MSHA	Heat Shrink Medium Wall Cable Sleeves	051135-38229	each	10	-	20.0	10	-	each	56.31	44.41	-
IMCSN-0400-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03481	reel	1	-	1.5	1	-	reel	54.43	45.24	-
IMCSN-0400-48A	Heat Shrink Medium Wall Cable Sleeves	054007-58810	pcs	20	-	4.0	20	-	pcs	10.88	9.04	-
IMCSN-0800-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03482	reel	1	-	2.5	1	-	reel	58.90	48.95	-
IMCSN-0800-48A	Heat Shrink Medium Wall Cable Sleeves	054007-58811	pcs	20	-	7.5	20	-	pcs	11.78	9.79	-
IMCSN-1100-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03483	reel	1	-	3.5	1	-	reel	75.39	62.67	-
IMCSN-1100-48A	Heat Shrink Medium Wall Cable Sleeves	054007-58812	pcs	20	-	10.0	20	-	pcs	15.09	12.54	-
IMCSN-1300-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03484	reel	1	-	4.6	1	-	reel	93.69	77.87	-
IMCSN-1300-48A	Heat Shrink Medium Wall Cable Sleeves	051135-03448	pcs	20	-	15.6	20	-	pcs	18.74	15.58	-
IMCSN-1500-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03485	reel	1	-	6.0	1	-	reel	109.29	90.84	-
IMCSN-1500-48A	Heat Shrink Medium Wall Cable Sleeves	054007-58813	pcs	20	-	13.0	20	-	pcs	21.86	18.17	-
IMCSN-1700-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03486	reel	1	-	4.0	1	-	reel	112.41	93.44	-
IMCSN-1700-48A	Heat Shrink Medium Wall Cable Sleeves	051135-03317	pcs	20	-	15.4	20	-	pcs	22.48	18.69	-
IMCSN-2000-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03487	reel	1	-	4.5	1	-	reel	115.10	95.67	-
IMCSN-2000-48A	Heat Shrink Medium Wall Cable Sleeves	054007-58814	pcs	15	-	13.6	15	-	pcs	23.02	19.13	-
IMCSN-3000-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03530	reel	1	-	10.2	1	-	reel	190.93	158.70	-
IMCSN-3000-48A	Heat Shrink Medium Wall Cable Sleeves	054007-58815	pcs	15	-	23.0	15	-	pcs	38.19	31.74	-
IMCSN-4300-25-U	Heat Shrink Medium Wall Cable Sleeves	051135-03531	reel	1	10/Pack	12.0	1	-	reel	284.61	236.58	-
IMCSN-4300-48A	Heat Shrink Medium Wall Cable Sleeves	054007-58809	pcs	10	-	20.0	10	-	pcs	53.62	44.57	-
IR Probe	RTD Probe for IR-1100 & IR-1400	055128-53264	each	1		0.2	1	-	each	54.86	45.45	-
IR-60CFO	Infrared Thermometer Close Focus	054007-43961	each	1		0.2	1	-	each	1140.43	945.00	-
IR-60EXCFO	Infrared Thermometer Close Focus w/ Software	054007-44440	each	1		0.2	1	-	each	1743.83	1445.00	-
IR-60EXPL2-1	Infrared Thermometer Cir Laser 60:1 1600 Deg Software 110V	054007-42852	each	1	-	5.0	1	-	each	1562.81	1295.00	-
IR-60EXPL2-2	Infrared Thermometer Cir Laser 60:1 1600 Deg Software 220V	054007-42856	each	1	-	0.0	1	-	each	1562.81	1295.00	-
IR-60EXPL2NI-1	Infrared Thermometer Cir Laser 60:1 1600 Deg Software 110 NIST	054007-42855	each	1	-	0.0	1	-	each	1683.49	1395.00	-
IR-60EXPL2NI-2	Infrared Thermometer Cir Laser 60:1 1600 Deg Software 220 NIST	054007-42859	each	1	-	0.0	1	-	each	1683.49	1395.00	-
IR-60L2	Infrared Thermometer Circular Laser 60:1 1600 Deg	054007-42840	each	1	-	3.0	1	-	each	959.41	795.00	-
IR-60L2NI	Infrared Thermometer Circular Laser 60:1 1600 Deg NIST	054007-42843	each	1	-	0.0	1	-	each	1080.09	895.00	-
IR-500	Infrared Thermometer Sgl Laser 6:1 500 Degrees	054007-43556	each	5		4.0	5	-	each	119.59	99.00	-
IR-750	Infrared Thermometer Sgl Laser 12:1 750 Degrees	054007-44412	each	1		2.0	1	-	each	229.81	189.00	-
IR-750NI	Infrared Thermometer Sgl Laser 12:1 750 Degrees NIST	054007-44433	each	1		0.2	1	-	each	320.32	264.00	-
IR-950	Infrared Thermometer Circular Laser 12:1 950 Degrees	054007-44413	each	1		2.0	1	-	each	302.22	249.00	-
IR-950NI	Infrared Thermometer Circular Laser 12:1 950 Degrees NIST	054007-44434	each	1		0.2	1	-	each	392.73	324.00	-
IR-1100	Infrared Thermometer Circular Laser 30:1 1100 Degrees	054007-44414	each	1		2.0	1	-	each	422.90	349.00	-
IR-1100NI	Infrared Thermometer Circular Laser 30:1 1100 Degrees NIST	054007-44435	each	1		0.2	1	-	each	513.41	424.00	-
IR-1400	Infrared Thermometer Circular Laser 50:1 1400 Degrees	054007-44415	each	1		2.3	1	-	each	543.58	449.00	-
IR-1400IS	Infrared Thermometer Intrinsically Safe w/ Probe	055128-53262	each	1		0.2	1	-	each	783.21	649.00	-
IR-1400ISNI	Infrared Thermometer Intrinsically Safe w/ Probe NIST	055128-53263	each	1		0.2	1	-	each	873.72	724.00	-
IR-1400NI	Infrared Thermometer Circular Laser 50:1 1400 Degrees NIST	054007-44436	each	1		0.2	1	-	each	634.09	524.00	-
ITCSF-0400-BK-48A MSHA*	Heat Shrink Heavy Wall Cable Sleeves	051135-38230	each	20	-	4.0	20	-	each	17.36	13.69	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
ITCSF-0800-BK-48A MSHA*	Heat Shrink Heavy Wall Cable Sleeves	051135-38231	each	20	-	8.0	20	-	each	18.23	14.38	-
ITCSF-1100-BK-48A MSHA*	Heat Shrink Heavy Wall Cable Sleeves	051135-38232	each	20	-	10.2	20	-	each	23.55	18.57	-
ITCSF-1500-BK-48A MSHA*	Heat Shrink Heavy Wall Cable Sleeves	051135-38233	each	20	-	20.0	20	-	each	34.83	27.47	-
ITCSF-2000-BK-48A MSHA	Heat Shrink Heavy Wall Cable Sleeves	051135-38234	each	10	-	14.0	10	-	each	36.48	28.77	-
ITCSF-3000-BK-48A MSHA	Heat Shrink Heavy Wall Cable Sleeves	051135-38235	each	10	-	20.0	10	-	each	47.95	37.82	-
ITCSF-4500-BK-48A MSHA	Heat Shrink Heavy Wall Cable Sleeves	051135-38236	each	5	-	16.1	5	-	each	89.93	70.94	-
ITCSF-6000-BK-48A MSHA	Heat Shrink Heavy Wall Cable Sleeves	051135-38237	each	5	-	18.0	5	-	each	104.31	82.28	-
ITCSN*	Heat Shrinkable Counter Merchandiser	054007-50500	each	1	-	10.0	1	-	each	510.44	424.29	-
ITCSN-0400-6*	Heat Shrink Heavy Wall Sleeve - Pack (Black)	054007-50475	pack	12	-	2.3	12	-	pack	17.26	14.35	-
ITCSN-0400-6*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08963	pcs	100	-	2.3	100	-	pcs	2.88	2.39	-
ITCSN-0400-6*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08887	pcs	25	-	0.7	25	-	pcs	3.57	2.97	-
ITCSN-0400-6*	Heat Shrink Heavy Wall Sleeve - Pack (Red)	051135-38153	pack	12	-	2.3	12	-	pack	17.26	14.35	-
ITCSN-0400-25-U*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08886	reel	1	-	1.5	1	-	reel	57.13	47.49	-
ITCSN-0400-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08964	pcs	20	-	3.6	20	-	pcs	16.53	13.74	-
ITCSN-0400-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08902	pcs	5	-	1.4	5	-	pcs	20.74	17.24	-
ITCSN-0800-6*	Heat Shrink Heavy Wall Sleeve - Pack (Red)	051135-38154	pack	12	-	3.7	12	-	pack	19.82	16.47	-
ITCSN-0800-6*	Heat Shrink Heavy Wall Sleeve - Pack (Black)	054007-50474	pack	12	-	3.7	12	-	pack	19.82	16.47	-
ITCSN-0800-6*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-40067	pcs	25	-	1.7	25	-	pcs	4.12	3.42	-
ITCSN-0800-6*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08965	pcs	100	-	5.4	100	-	pcs	3.30	2.75	-
ITCSN-0800-9*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08966	pcs	100	-	7.0	100	-	pcs	4.01	3.34	-
ITCSN-0800-9*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08890	pcs	25	-	2.1	25	-	pcs	4.99	4.15	-
ITCSN-0800-12*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08889	pcs	25	-	3.1	25	-	pcs	7.49	6.23	-
ITCSN-0800-12*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08967	pcs	100	-	9.5	100	-	pcs	6.00	4.99	-
ITCSN-0800-25-U*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08888	reel	1	-	2.0	1	-	reel	89.75	74.60	-
ITCSN-0800-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08903	pcs	5	-	2.2	5	-	pcs	21.70	18.04	-
ITCSN-0800-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08968	pcs	20	-	7.5	20	-	pcs	17.37	14.44	-
ITCSN-1100-6*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08894	pcs	25	-	2.3	25	-	pcs	5.49	4.56	-
ITCSN-1100-6*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08969	pcs	100	-	7.1	100	-	pcs	4.40	3.66	-
ITCSN-1100-9*	Heat Shrink Heavy Wall Sleeve - Pack (Black)	054007-50473	pack	12	-	8.2	12	-	pack	32.18	26.75	-
ITCSN-1100-9*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08893	pcs	25	-	2.7	25	-	pcs	6.69	5.56	-
ITCSN-1100-9*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08970	pcs	100	-	7.8	100	-	pcs	5.36	4.46	-
ITCSN-1100-9*	Heat Shrink Heavy Wall Sleeve - Pack (Red)	051135-38155	pack	12	-	8.2	12	-	pack	32.18	26.75	-
ITCSN-1100-12*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08892	pcs	10	-	1.8	10	-	pcs	8.93	7.42	-
ITCSN-1100-12*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08971	pcs	100	-	12.4	100	-	pcs	7.14	5.93	-
ITCSN-1100-25-U*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08891	reel	1	-	3.5	1	-	reel	114.22	94.94	-
ITCSN-1100-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08972	pcs	20	-	11.2	20	-	pcs	22.43	18.64	-
ITCSN-1100-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08904	pcs	5	-	4.2	5	-	pcs	26.90	22.36	-
ITCSN-1500-9*	Heat Shrink Heavy Wall Sleeve - Pack (Black)	054007-50472	pack	12	-	6.8	12	-	pack	21.58	17.93	-
ITCSN-1500-9*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08973	pcs	50	-	9.3	50	-	pcs	7.19	5.98	-
ITCSN-1500-9*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08897	pcs	10	-	2.1	10	-	pcs	9.00	7.48	-
ITCSN-1500-12*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08896	pcs	10	-	2.9	10	-	pcs	10.50	8.72	-
ITCSN-1500-12*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08974	pcs	50	-	11.7	50	-	pcs	8.44	7.01	-
ITCSN-1500-25-U*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08895	reel	1	-	6.0	1	-	reel	163.22	135.67	-
ITCSN-1500-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08975	pcs	20	-	20.1	20	-	pcs	33.17	27.57	-
ITCSN-1500-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08905	pcs	5	-	6.1	5	-	pcs	41.45	34.45	-
ITCSN-2000-9*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08976	pcs	50	-	14.5	50	-	pcs	10.51	8.74	-
ITCSN-2000-9*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08900	pcs	10	-	2.6	10	-	pcs	13.12	10.91	-
ITCSN-2000-12*	Heat Shrink Heavy Wall Sleeve - Pack (Black)	054007-50471	pack	12	-	11.2	12	-	pack	34.31	28.52	-
ITCSN-2000-12*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08977	pcs	50	-	15.1	50	-	pcs	11.44	9.51	-
ITCSN-2000-12*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08899	pcs	10	-	3.4	10	-	pcs	14.26	11.85	-
ITCSN-2000-25-U*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08898	reel	1	-	9.0	1	-	reel	220.33	183.14	-
ITCSN-2000-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08978	pcs	20	-	24.7	20	-	pcs	34.74	28.87	-
ITCSN-2000-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08906	pcs	5	-	7.2	5	-	pcs	43.40	36.08	-
ITCSN-2000-BK-18A*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	051135-63394	each	20	-	31.0	20	-	each	13.03	10.83	-
ITCSN-2000-BK-24A*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	051135-36372	each	20	-	23.0	20	-	each	22.85	18.99	-
ITCSN-3000-12*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08901	pcs	10	-	6.3	10	-	pcs	17.42	14.48	-
ITCSN-3000-12*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08979	pcs	50	-	23.8	50	-	pcs	13.90	11.56	-
ITCSN-3000-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08980	pcs	20	-	39.9	20	-	pcs	45.67	37.97	-
ITCSN-3000-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	054007-08907	pcs	5	-	11.9	5	-	pcs	57.09	47.46	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
ITCSN-4500-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	051135-37979	pcs	5	-	16.1	5	-	pcs	107.07	89.00	-
ITCSN-4500-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08981	pcs	20	-	50.0	20	-	pcs	85.65	71.19	-
ITCSN-6000-48*	Heat Shrink Heavy Wall Cable Sleeves (Boxed)	051135-37980	each	5	-	18.0	5	-	each	124.19	97.96	-
ITCSN-6000-48*	Heat Shrink Heavy Wall Cable Sleeves (Bulk)	054007-08982	pcs	20	-	86.0	20	-	pcs	99.34	82.57	-
KYNAR-H-1/2-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38765	box	1	-	1.1		-	box	63.30	49.95	-
KYNAR-H-1/4-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38763	box	1	-	1.2		-	box	84.60	66.72	-
KYNAR-H-1/8-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38761	box	1	-	1.2		-	box	88.75	70.00	-
KYNAR-H-1/16-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38759	box	1	-	1.1		-	box	76.00	60.00	-
KYNAR-H-1-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38767	box	1	-	1.4		-	box	272.05	214.60	-
KYNAR-H-3/4-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38766	box	1	-	1.3		-	box	121.50	95.80	-
KYNAR-H-3/8-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38764	box	1	-	1.3		-	box	101.64	80.16	-
KYNAR-H-3/16-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38762	box	1	-	1.1		-	box	68.64	54.12	-
KYNAR-H-3/32-CR*	Modified Polyvinalidene Fluoride 48" Sticks w/Header Small Box	051135-38760	box	1	-	1.1		-	box	82.25	65.00	-
Labeling Adhesive*	24 Oz Aerosol Can	021200-76167	can	12	-	17.0	12	-	can	12.21	9.64	-
LBC-1	15kv-200A Industrial Loadbreak Elbow Connector	054007-04674	each	1	-	0.0	1	-	each	10.55	8.32	-
LBC-1/0	15kv-200A Industrial Loadbreak Elbow Connector	054007-04820	each	1	-	0.2	1	-	each	10.55	8.32	-
LBC-2	15kv-200A Industrial Loadbreak Elbow Connector	054007-04673	each	1	-	0.2	1	-	each	10.55	8.32	-
LBC-2/0	15kv-200A Industrial Loadbreak Elbow Connector	054007-04821	each	1	-	0.2	1	-	each	10.55	8.32	-
LBC-3	15kv-200A Industrial Loadbreak Elbow Connector	054007-04811	each	1	-	0.2	1	-	each	10.55	8.32	-
LBC-3/0	15kv-200A Industrial Loadbreak Elbow Connector	054007-04822	each	1	-	0.2	1	-	each	10.55	8.32	-
LBC-4	15kv-200A Industrial Loadbreak Elbow Connector	054007-04672	each	1	-	0.0	1	-	each	10.55	8.32	-
LBC-4/0	15kv-200A Industrial Loadbreak Elbow Connector	054007-04823	each	1	-	0.2	1	-	each	10.55	8.32	-
LBC-250	15kv-200A Industrial Loadbreak Elbow Connector	054007-04824	each	1	-	0.2	1	-	each	10.55	8.32	-
LBP-15	15kv-200A Industrial Loadbreak Elbow Probe	054007-04825	each	1	-	0.0	1	-	each	61.55	48.55	-
Lead Sheath Repair Kit	PILC Lead Repair Kit	054007-44246	kit	1	-	1.2	10	-	kit	68.71	54.20	-
M-20	Jacket Repair Kits	054007-31392	kit	1	-	1.4	10	-	kit	36.73	28.98	-
M-30	Jacket Repair Kits	054007-31393	kit	1	-	2.0	10	-	kit	57.87	45.66	-
M-40	Jacket Repair Kits	054007-31394	kit	1	-	5.1	10	-	kit	78.87	62.20	-
M-707	Label Protection Dispenser 4"	021200-06923	each	6	-	20.3	6	-	each	82.36	64.96	-
M-727	Label & Pouch Tape Dispenser	021200-06944	each	6	-	17.4	6	-	each	48.99	38.66	-
MB-1	Mounting Bracket	054007-11230	each	10	1/box	40.5	10	-	each	44.01	34.72	-
MB-3	Mounting Bracket	054007-14754	each	10	1/box	4.3	10	-	each	13.56	10.70	-
MB-4	Mounting Bracket	054007-14755	each	10	1/box	4.1	10	-	each	16.37	12.91	-
MB-5	Mounting Bracket	054007-08200	each	10	1/box	9.8	10	-	each	37.87	29.89	-
MB-6	Mounting Bracket	054007-08286	each	10	1/box	10.5	10	-	each	44.02	34.73	-
MBS-4	Mounting Bracket	054007-49685	each	10	1/Box	8.2	10	-	each	45.03	35.53	-
MBS-5	Mounting Bracket	054007-49686	each	10	1/Box	9.3	10	-	each	52.07	41.08	-
MBS-6	Mounting Bracket	054007-49687	each	10	1/Box	9.8	10	-	each	61.79	48.75	-
MDT-0400-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40672	each	20	-	4.0	20	-	each	10.88	8.58	-
MDT-0800-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40673	each	20	-	8.7	20	-	each	11.78	9.29	-
MDT-1100-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40674	each	20	-	8.8	20	-	each	15.09	11.90	-
MDT-1300-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40675	each	20	-	15.6	20	-	each	18.74	14.78	-
MDT-1500-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40676	each	20	-	13.0	20	-	each	21.86	17.24	-
MDT-1700-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40677	each	20	-	14.4	20	-	each	22.48	17.73	-
MDT-2000-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40678	each	15	-	13.0	15	-	each	23.02	18.16	-
MDT-3000-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40679	each	15	-	23.0	15	-	each	38.19	30.12	-
MDT-4300-48A-Black*	Heat Shrinkable Medium Wall Polyolefin Tubing 4 Ft Black	054007-40680	each	10	-	20.2	10	-	each	53.62	42.30	-
M-FL550DD*	Maintenance Sorbent Folded 50' Roll	051138-29071	each	1	-	18.0	1	3	each	110.57	99.67	86.85
ML-1/0AL	Modular Lug Aluminum	054007-43488	each	10	-	0.2	10	-	each	35.17	27.74	-
ML-1AL	Modular Lug Aluminum	054007-43487	each	10	-	0.2	10	-	each	35.17	27.74	-

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
ML-2/0AL	Modular Lug Aluminum	054007-43489	each	10	-	0.2	10	-	each	35.17	27.74	-
ML-2AL	Modular Lug Aluminum	054007-43486	each	0	-	0.0	10	-	each	35.17	27.74	-
ML-3/0AL	Modular Lug Aluminum	054007-43490	each	10	-	0.2	10	-	each	35.17	27.74	-
ML-4/0AL	Modular Lug Aluminum	054007-43491	each	10	-	0.2	10	-	each	35.17	27.74	-
ML-250AL	Modular Lug Aluminum	054007-43492	each	10	-	0.2	10	-	each	35.17	27.74	-
ML-350AL	Modular Lug Aluminum	054007-43493	each	10	-	0.2	10	-	each	35.17	27.74	-
ML-500AL	Modular Lug Aluminum	054007-43494	each	10	-	0.2	10	-	each	35.17	27.74	-
ML-750AL	Modular Lug Aluminum	054007-43495	each	3	-	0.2	3	-	each	35.17	27.74	-
ML-1000AL	Modular Lug Aluminum	054007-43496	each	3	-	0.2	3	-	each	35.17	27.74	-
MLRT-21*	Cold Shrink Motor Lead Replacement Kit	054007-44174	each	10	-	4.3	10	-	each	9.28	7.32	-
MLRT-22*	Cold Shrink Motor Lead Replacement Kit	054007-44175	each	10	-	6.1	10	-	each	13.16	10.37	-
MLRT-23*	Cold Shrink Motor Lead Replacement Kit	054007-44176	each	10	-	10.7	10	-	each	20.57	16.23	-
MLRT-24*	Cold Shrink Motor Lead Replacement Kit	054007-44177	each	10	-	12.1	10	-	each	30.41	23.98	-
MORTAR*	Fire Barrier Mortar 44 lb Bag	051115-07559	bag	1	-	44.0	30	-	bag	87.05	68.67	-
MPP-1+*	Moldable Putty 4 in X 8 in X 1/8 in Pad	051115-16508	each	100	-	19.5	100	-	each	5.45	4.30	-
MPP-4S+*	Moldable Putty 7 in X 7 in X 1/8 in Pad	051115-16509	each	20	-	7.3	20	-	each	5.81	4.58	-
MPP-5S+*	Moldable Putty 9.5 in X 9.5 in X 1/8 in Pad	051115-16510	each	20	-	11.9	20	-	each	7.74	6.11	-
MPS-2+	Moldable Putty 1.5 in X 12 in Sticks	051115-11531	each	10	-	10.7	10	-	each	22.15	17.48	-
M-RG36300E	Sorbent Rug 36" x 300'	051138-29002	each	1	-	53.5	1	2	each	299.70	236.42	248.13
M-RGC36100E	Sorbent Rug W/Coating 36" x 100'	051138-29003	each	1	-	21.7	1	2	each	203.69	160.68	168.63
MW-1/2-48-Black*	M/W S/R Polyolefin Tubing 4 Ft Sticks Small Box (12 Sticks)	051135-36863	box	1	12/Box	1.9	12	-	box	102.72	85.44	-
MW-1/2-Black*	H/S S/R Adhesive Lined Tubing 6" Pcs; 14 Pcs/Bag; 10 Bags/Box	051135-36567	pack	10	-	2.2	10	-	pack	20.85	17.32	-
MW-1/4-48-Black*	M/W S/R Polyolefin Tubing 4 Ft Sticks Small Box (12 Sticks)	051135-36861	box	1	12/Box	1.4	12	-	box	77.52	64.44	-
MW-1/4-Black*	H/S S/R Adhesive Lined Tubing 6" Pcs; 20 Pcs/Bag; 10 Bags/Box	051135-36565	pack	10	-	1.2	10	-	pack	20.85	17.32	-
MW-1/8-48-Black*	M/W S/R Polyolefin Tubing 4 Ft Sticks Small Box (25 Sticks)	051135-36859	box	1	25/Box	1.3	25	-	box	106.75	88.75	-
MW-1/8-Black*	H/S S/R Adhesive Lined Tubing 6" Pcs; 28 Pcs/Bag; 10 Bags/Box	051135-36563	pack	10	-	0.8	10	-	pack	20.85	17.32	-
MW-1-48-Black*	M/W S/R Polyolefin Tubing 4 Ft Sticks Small Box (5 Sticks)	051135-36865	box	1	5/Box	1.9	5	-	box	83.85	69.75	-
MW-1-Black*	H/S S/R Adhesive Lined Tubing 6" Pcs; 8 Pcs/Bag; 10 Bags/Box	051135-36569	pack	10	-	2.7	10	-	pack	20.85	17.32	-
MW-3/4-48-Black*	M/W S/R Polyolefin Tubing 4 Ft Sticks Small Box (5 Sticks)	051135-36864	box	1	5/Box	1.6	5	-	box	65.90	54.80	-
MW-3/4-Black*	H/S S/R Adhesive Lined Tubing 6" Pcs; 12 Pcs/Bag; 10 Bags/Box	051135-36568	pack	10	-	2.7	10	-	pack	20.85	17.32	-
MW-3/8-48-Black*	M/W S/R Polyolefin Tubing 4 Ft Sticks Small Box (12 Sticks)	051135-36862	box	1	12/Box	1.7	12	-	box	86.88	72.24	-
MW-3/8-Black*	H/S S/R Adhesive Lined Tubing 6" Pcs; 16 Pcs/Bag; 10 Bags/Box	051135-36566	pack	10	-	1.8	10	-	pack	20.85	17.32	-
MW-3/16-48-Black*	M/W S/R Polyolefin Tubing 4 Ft Sticks Small Box (12 Sticks)	051135-36860	box	1	12/Box	1.3	12	-	box	62.64	52.20	-
MW-3/16-Black*	H/S S/R Adhesive Lined Tubing 6" Pcs; 24 Pcs/Bag; 10 Bags/Box	051135-36564	pack	10	-	1.2	10	-	pack	20.85	17.32	-
O/B+	Spring Connector Orange/Blue (Bulk)	054007-43153	conn	10000	500/container	30.5	500	10000	1000	62.01	57.53	48.52
O/B+	Spring Connector Orange/Blue (Box)	054007-43152	conn	1000	100/box	3.3	100	1000	100	7.34	6.82	5.75
OS0001	Oil Stop Lug - Copper 1 - Hole	054007-50438	each	10	-	0.6	100	-	each	4.47	3.52	-
OS0010	Oil Stop Lug - Copper 1 - Hole	054007-50439	each	10	-	0.0	100	-	each	6.07	4.79	-
OS0020	Oil Stop Lug - Copper 1 - Hole	054007-50440	each	10	-	1.1	100	-	each	7.21	5.68	-
OS0030	Oil Stop Lug - Copper 1 - Hole	054007-50441	each	10	-	1.4	100	-	each	8.60	6.78	-
OS0040	Oil Stop Lug - Copper 1 - Hole	054007-50442	each	10	-	1.7	100	-	each	10.89	8.60	-
OS0250	Oil Stop Lug - Copper 2 - Hole	054007-50443	each	10	-	3.3	100	-	each	20.01	15.78	-
OS0350	Oil Stop Lug - Copper 2 - Hole	054007-50444	each	10	-	0.0	100	-	each	22.51	17.75	-
OS0500	Oil Stop Lug - Copper 2 - Hole	054007-50445	each	10	-	7.3	100	-	each	36.91	29.13	-
OS0750	Oil Stop Lug - Copper 2 - Hole	054007-50446	each	3	-	3.5	60	-	each	56.41	44.50	-
OS1000	Oil Stop Lug - Copper 2 - Hole	054007-50447	each	3	-	5.0	60	-	each	78.92	62.26	-
P-1B	Injection Fitting (10/box)	054007-11857	box	5	-	1.9	1	-	box	54.71	43.16	-
P-3	Spacer Tape 1 1/2" x 27'(1/box)	054007-25735	rls	50	-	11.5	1	-	rls	20.89	16.48	-
P-4	Restricter Tape 1" x 30'(1/box)	054007-25743	rls	50	-	9.2	1	-	rls	11.22	8.85	-
P-5B	Nozzle for E-4 Gun (10/box)	054007-11858	box	5	10/box-	1.2	1	-	box	27.41	21.61	-
P-FL550DD*	Petroleum Sorbent Folded 50' Roll (3 boxes/case)	051138-29141	case	1	-	18.0	1	3	case	92.37	72.87	76.49
PLENUM WRAP 24"	Plenum Wrap 1/2" X 24" X 50' Roll	051115-11614	rls	1	-	43.5	1	-	rls	484.88	382.50	-
PLENUM WRAP 48"	Plenum Wrap 1/2" X 48" X 25' Roll	051115-11615	rls	1	-	44.7	1	-	rls	484.88	382.50	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
PPD 6	Plastic Pipe Device 6 in (Hose Clamp)	051115-08253	each	5	-	20.2	5	-	each	80.34	63.38	-
PS-1P	1 Way Pin (5 per pack)	054007-44630	pack	1	-	0.2	1	-	pack	16.10	13.75	-
PS-1P-B	1 Way Pin - Bulk Pack (15 per pack)	054007-44631	pack	1	-	0.2	1	-	pack	43.65	36.96	-
PS-2	Cold Shrink Insertion Seal	054007-49886	each	10	-	2.6	10	-	each	9.26	7.31	-
PS-2P	2 Way Pin (5 per pack)	054007-44632	pack	1	-	0.2	1	-	pack	18.53	15.68	-
PS-2P-B	2 Way Pin - Bulk Pack (15 per pack)	054007-44633	pack	1	-	0.2	1	-	pack	50.02	42.35	-
PS-3	Cold Shrink Insertion Seal	054007-50201	each	10	-	3.1	10	-	each	11.12	8.76	-
PS-4	Cold Shrink Insertion Seal	054007-49887	each	10	-	3.0	10	-	each	10.77	8.50	-
PS-0703	3/4" spacing; 3 slots	054007-44539	each	1	-	0.0	1	15	each	38.47	31.83	30.08
PS-0704	3/4" spacing; 4 slots	054007-44540	each	1	-	0.0	1	15	each	40.28	33.33	31.50
PS-0705	3/4" spacing; 5 slots	054007-44541	each	1	-	0.0	1	15	each	43.60	36.34	34.34
PS-0706	3/4" spacing; 6 slots	054007-44542	each	1	-	0.0	1	15	each	47.19	39.34	37.18
PS-0707	3/4" spacing; 7 slots	054007-44543	each	1	-	0.0	1	15	each	51.82	43.19	40.82
PS-0708	3/4" spacing; 8 slots	054007-44544	each	1	-	0.0	1	15	each	58.48	48.80	46.11
PS-0709	3/4" spacing; 9 slots	054007-44545	each	1	-	0.0	1	15	each	61.55	50.95	48.15
PS-0710	3/4" spacing; 10 slots	054007-44546	each	1	-	0.0	1	15	each	68.99	57.31	54.16
PS-0711	3/4" spacing; 11 slots	054007-44547	each	1	-	0.0	1	15	each	70.78	58.81	55.57
PS-0712	3/4" spacing; 12 slots	054007-44548	each	1	-	0.0	1	15	each	79.76	66.32	62.67
PS-0713	3/4" spacing; 13 slots	054007-44549	each	1	-	0.0	1	15	each	81.04	67.42	63.71
PS-0714	3/4" spacing; 14 slots	054007-44550	each	1	-	0.0	1	15	each	85.92	71.22	67.30
PS-0715	3/4" spacing; 15 slots	054007-44551	each	1	-	0.0	1	15	each	95.47	79.03	74.68
PS-0716	3/4" spacing; 16 slots	054007-44552	each	1	-	0.0	1	15	each	96.17	79.83	75.44
PS-0717	3/4" spacing; 17 slots	054007-44553	each	1	-	0.0	1	15	each	100.53	71.57	67.64
PS-0718	3/4" spacing; 18 slots	054007-44554	each	1	-	0.0	1	15	each	111.06	92.09	87.03
PS-0719	3/4" spacing; 19 slots	054007-44555	each	1	-	0.0	1	15	each	112.84	93.49	88.35
PS-0720	3/4" spacing; 20 slots	054007-44556	each	1	-	0.0	1	15	each	115.92	96.05	90.76
PS-0721	3/4" spacing; 21 slots	054007-44557	each	1	-	0.0	1	15	each	127.20	105.46	99.66
PS-1003	1" spacing; 3 slots	054007-44558	each	1	-	0.0	1	15	each	40.40	32.98	31.17
PS-1004	1" spacing; 4 slots	054007-44559	each	1	-	0.0	1	15	each	41.03	34.13	32.26
PS-1005	1" spacing; 5 slots	054007-44560	each	1	-	0.0	1	15	each	45.13	37.44	35.38
PS-1006	1" spacing; 6 slots	054007-44561	each	1	-	0.0	1	15	each	49.54	40.84	38.59
PS-1007	1" spacing; 7 slots	054007-44562	each	1	-	0.2	1	15	each	53.35	44.29	41.86
PS-1008	1" spacing; 8 slots	054007-44563	each	1	-	0.0	1	15	each	60.52	50.20	47.44
PS-1009	1" spacing; 9 slots	055128-53058	each	1	-	0.2	1	15	each	63.34	52.45	49.57
PS-1010	1" spacing; 10 slots	055128-53059	each	1	-	0.2	1	15	each	70.51	58.41	55.20
PS-1011	1" spacing; 11 slots	054007-44567	each	1	-	0.0	1	15	each	73.60	61.06	57.70
PS-1012	1" spacing; 12 slots	054007-44568	each	1	-	0.0	1	15	each	83.08	68.92	65.13
PS-1013	1" spacing; 13 slots	054007-44569	each	1	-	0.0	1	15	each	86.17	71.32	67.40
PS-1014	1" spacing; 14 slots	054007-44570	each	1	-	0.2	1	15	each	89.76	74.32	70.24
PS-1015	1" spacing; 15 slots	054007-44571	each	1	-	0.0	1	15	each	99.52	82.38	77.85
PS-1016	1" spacing; 16 slots	054007-44572	each	1	-	0.0	1	15	each	100.27	83.18	78.61
PS-1017	1" spacing; 17 slots	054007-44573	each	1	-	0.2	1	15	each	108.74	90.09	85.14
PS-1018	1" spacing; 18 slots	054007-44574	each	1	-	0.0	1	15	each	110.03	91.19	86.18
PS-1019	1" spacing; 19 slots	054007-44575	each	1	-	0.2	1	15	each	115.66	95.65	90.39
PS-1020	1" spacing; 20 slots	054007-44576	each	1	-	0.0	1	15	each	125.92	104.10	98.38
PS-1021	1" spacing; 21 slots	054007-44577	each	1	-	0.2	1	15	each	132.33	109.71	103.68
PS-1203	1-1/4" spacing; 3 slots	054007-44578	each	1	-	0.2	1	15	each	41.03	34.13	32.26
PS-1204	1-1/4" spacing; 4 slots	054007-44579	each	1	-	0.0	1	15	each	43.09	35.79	33.82
PS-1205	1-1/4" spacing; 5 slots	054007-44580	each	1	-	0.2	1	15	each	46.92	38.94	36.80
PS-1206	1-1/4" spacing; 6 slots	054007-44581	each	1	-	0.2	1	15	each	50.53	41.94	39.64
PS-1207	1-1/4" spacing; 7 slots	054007-44582	each	1	-	0.2	1	15	each	55.14	45.70	43.18
PS-1208	1-1/4" spacing; 8 slots	054007-44583	each	1	-	0.2	1	15	each	59.49	49.30	46.59
PS-1209	1-1/4" spacing; 9 slots	054007-44584	each	1	-	0.2	1	15	each	65.92	54.50	51.51
PS-1210	1-1/4" spacing; 10 slots	054007-44585	each	1	-	0.2	1	15	each	72.84	60.31	56.99
PS-1211	1-1/4" spacing; 11 slots	054007-44586	each	1	-	0.2	1	15	each	76.69	63.56	60.07
PS-1212	1-1/4" spacing; 12 slots	054007-44587	each	1	-	0.2	1	15	each	81.82	67.82	64.09
PS-1213	1-1/4" spacing; 13 slots	054007-44588	each	1	-	0.2	1	15	each	86.17	71.32	67.40
PS-1214	1-1/4" spacing; 14 slots	054007-44589	each	1	-	0.2	1	15	each	91.05	75.48	71.32
PS-1215	1-1/4" spacing; 15 slots	054007-44590	each	1	-	0.2	1	15	each	96.43	79.93	75.53
PS-1216	1-1/4" spacing; 16 slots	054007-44591	each	1	-	0.2	1	15	each	101.30	83.88	79.27
PS-1217	1-1/4" spacing; 17 slots	054007-44592	each	1	-	0.2	1	15	each	107.21	88.79	83.91
PS-1218	1-1/4" spacing; 18 slots	054007-44593	each	1	-	0.2	1	15	each	112.84	93.59	88.45
PS-1219	1-1/4" spacing; 19 slots	054007-44594	each	1	-	0.2	1	15	each	117.22	97.05	91.71
PS-1303	1-3/8" spacing; 3 slots	054007-44595	each	1	-	0.2	1	15	each	42.82	35.64	33.68
PS-1304	1-3/8" spacing; 4 slots	054007-44596	each	1	-	0.2	1	15	each	44.63	37.14	35.09

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
PS-1305	1-3/8" spacing; 5 slots	054007-44597	each	1	-	0.2	1	15	each	46.11	38.24	36.14
PS-1306	1-3/8" spacing; 6 slots	054007-44598	each	1	-	0.2	1	15	each	50.79	42.14	39.82
PS-1307	1-3/8" spacing; 7 slots	054007-44599	each	1	-	0.2	1	15	each	55.39	45.90	43.37
PS-1308	1-3/8" spacing; 8 slots	054007-44600	each	1	-	0.2	1	15	each	64.37	53.40	50.47
PS-1309	1-3/8" spacing; 9 slots	054007-44601	each	1	-	0.2	1	15	each	65.92	54.65	51.65
PS-1310	1-3/8" spacing; 10 slots	054007-44602	each	1	-	0.2	1	15	each	73.87	61.21	57.84
PS-1311	1-3/8" spacing; 11 slots	054007-44603	each	1	-	0.2	1	15	each	75.91	62.96	59.50
PS-1312	1-3/8" spacing; 12 slots	054007-44604	each	1	-	0.2	1	15	each	82.32	68.17	64.42
PS-1313	1-3/8" spacing; 13 slots	054007-44605	each	1	-	0.2	1	15	each	87.20	72.32	68.34
PS-1314	1-3/8" spacing; 14 slots	054007-44606	each	1	-	0.2	1	15	each	92.07	76.33	72.13
PS-1315	1-3/8" spacing; 15 slots	054007-44607	each	1	-	0.2	1	15	each	100.53	83.23	78.66
PS-1316	1-3/8" spacing; 16 slots	054007-44608	each	1	-	0.2	1	15	each	101.30	83.88	79.27
PS-1317	1-3/8" spacing; 17 slots	054007-44609	each	1	-	0.2	1	15	each	107.72	89.19	84.28
PS-1318	1-3/8" spacing; 18 slots	054007-44610	each	1	-	0.2	1	15	each	112.84	93.49	88.35
PS-1503	1-1/2" spacing; 3 slots	054007-44611	each	1	-	0.2	1	15	each	44.88	37.29	35.24
PS-1504	1-1/2" spacing; 4 slots	054007-44612	each	1	-	0.2	1	15	each	45.41	37.44	35.38
PS-1505	1-1/2" spacing; 5 slots	054007-44613	each	1	-	0.2	1	15	each	49.51	40.99	38.74
PS-1506	1-1/2" spacing; 6 slots	054007-44614	each	1	-	0.2	1	15	each	54.36	44.99	42.52
PS-1507	1-1/2" spacing; 7 slots	054007-44615	each	1	-	0.2	1	15	each	57.98	47.95	45.31
PS-1508	1-1/2" spacing; 8 slots	054007-44616	each	1	-	0.2	1	15	each	61.55	51.00	48.20
PS-1509	1-1/2" spacing; 9 slots	054007-44617	each	1	-	0.2	1	15	each	67.96	56.36	53.26
PS-1510	1-1/2" spacing; 10 slots	054007-44618	each	1	-	0.2	1	15	each	76.94	63.66	60.16
PS-1511	1-1/2" spacing; 11 slots	054007-44619	each	1	-	0.2	1	15	each	82.07	68.02	64.28
PS-1512	1-1/2" spacing; 12 slots	054007-44620	each	1	-	0.2	1	15	each	85.14	70.47	66.59
PS-1513	1-1/2" spacing; 13 slots	054007-44621	each	1	-	0.2	1	15	each	87.96	73.32	69.29
PS-1514	1-1/2" spacing; 14 slots	054007-44622	each	1	-	0.2	1	15	each	95.67	79.03	74.68
PS-1515	1-1/2" spacing; 15 slots	054007-44623	each	1	-	0.2	1	15	each	102.08	85.24	80.55
PS-BK	Expanding Bracket for PS-MB	054007-44625	each	1	-	0.2	1	-	each	56.46	47.74	-
PS-BS	Brace for PS-MB	054007-44626	each	1	-	0.2	1	-	each	7.59	5.89	-
PS-CP	Cup Pin (5 per pack)	054007-44639	pack	1	-	0.2	1	-	pack	19.68	16.78	-
PS-HP	Hook Pin (5 per pack)	054007-44637	pack	1	-	0.2	1	-	pack	21.47	18.15	-
PS-HP-B	Hook Pin - Bulk Pack (15 per pack)	054007-44638	pack	1	-	0.2	1	-	pack	57.97	49.23	-
P-SKFL5	Petrol 5 Gal Petrolem Spill Kit	051138-46289	each	1	-	7.5	1	3	each	76.74	60.53	63.52
PS-MB	Main Breaker Lockout	054007-44624	each	1	-	0.2	1	-	each	61.54	52.03	-
PS-MP	Pin for MB	054007-44627	each	1	-	0.2	1	-	each	12.88	11.00	-
PS-OB1	Offset Bracket for Side Mounting (2 per pack)	054007-44628	pack	1	-	0.2	1	-	pack	7.87	7.26	-
PS-OB2	Offset Bracket for Side Mounting (2 per pack)	054007-44629	pack	1	-	0.2	1	-	pack	8.59	7.92	-
PS-SH1	Standard 1/8" High Shim (2 per pack)	055128-53000	pack	1	-	0.2	1	-	pack	2.86	3.30	-
PS-SH2	Slotted Shim for Beaded Dead Fronts (2 per pack)	055128-53001	pack	1	-	0.2	1	-	pack	6.44	6.05	-
PS-SH3	1/2" High Shim for Raised Breakers (2 per pack)	055128-53002	pack	1	-	0.2	1	-	pack	7.87	6.71	-
PS-SH4	V-Notch Shim for Panels w/Groove (2 per pack)	055128-53003	pack	1	-	0.2	1	-	pack	10.02	8.53	-
PS-SP	Spade Pin (5 per pack)	054007-44634	pack	1	-	0.2	1	-	pack	17.00	14.58	-
PS-SP05	Spade Pin for Half-Size Breakers (5 per pack)	054007-44636	pack	1	-	0.2	1	-	pack	19.68	16.78	-
PS-SP-B	Spade Pin - Bulk Pack (15 per pack)	054007-44635	pack	1	-	0.2	1	-	pack	46.16	39.05	-
QS2011-3T*	Cold Shrink Trificating Transistion Splice	054007-42021	kit	1	-	27.2	10	-	kit	1214.07	957.68	-
QS2011-3T-WS	Cold Shrink Transistion Splice w/Heat Shrink Wrap Sleeve	054007-43248	kit	1	-	27.0	10	-	kit	1214.13	957.72	-
QS2011T*	Cold Shrink Inline PILC Splice 15kV Range: #4-2/0 AWG	054007-50546	each	1	-	8.5	1	-	each	486.97	384.13	-
QS2011T-1*	Cold Shrink Inline PILC Splice 15kV #1 AWG CU Conn	054007-41486	each	1	-	0.0	1	-	each	500.49	394.79	-
QS2011T-1/0*	Cold Shrink Inline PILC Splice 15kV 1/0 AWG CU Conn	054007-41487	each	1	-	0.0	1	-	each	500.49	394.79	-
QS2011T-1/0-2/0*	Cold Shrink Inline PILC Splice 15kV 1/0-2/0 AWG CU/AL Conn	054007-41483	each	1	-	0.0	1	-	each	500.49	394.79	-
QS2011T-1-1/0*	Cold Shrink Inline PILC Splice 15kV #1-1/0 AWG CU/AL Conn	054007-41482	each	1	-	0.0	1	-	each	500.49	394.79	-
QS2011T-2*	Cold Shrink Inline PILC Splice 15kV #2 AWG CU Conn	054007-41485	each	1	-	0.0	1	-	each	500.49	394.79	-
QS2011T-2/0*	Cold Shrink Inline PILC Splice 15kV 2/0 AWG CU Conn	054007-41488	each	1	-	8.7	1	-	each	500.49	394.79	-
QS2011T-2-1*	Cold Shrink Inline PILC Splice 15kV #2-#1 AWG CU/AL Conn	054007-41480	each	1	-	0.0	1	-	each	500.49	394.79	-
QS2011T-2-1/0*	Cold Shrink Inline PILC Splice 15kV #2-#1 AWG CU/AL Conn	054007-41481	each	1	-	8.5	1	-	each	500.49	394.79	-
QS2011T-3-1/0*	Cold Shrink Inline PILC Splice 15kV #3-1/0 AWG CU/AL Conn	054007-41316	each	1	-	8.3	1	-	each	500.49	394.79	-
QS2011T-4*	Cold Shrink Inline PILC Splice 15kV #4 AWG CU Conn	054007-41484	each	1	-	0.0	1	-	each	500.49	394.79	-
QS2011T-4-1/0*	Cold Shrink Inline PILC Splice 15kV #4-1/0 AWG CU/AL Conn	054007-41479	each	1	-	0.0	1	-	each	500.49	394.79	-

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
QS2012/13-3T*	Cold Shrink Transistion Splice w/Heat Shrink Wrap Sleeve	054007-44202	kit	1	-	32.0	10	-	kit	1688.52	1331.94	-
QS2012/13-3T-WS*	Cold Shrink Transistion Splice w/Heat Shrink Wrap Sleeve	054007-04644	kit	1	15/bag	30.0	10	-	kit	1688.52	1331.94	-
QS2012-3T*	Cold Shrink Trificating Transistion Splice	054007-42022	kit	1	-	25.0	10	-	kit	1583.55	1249.15	-
QS2012-3T-WS	Cold Shrink Transistion Splice w/Heat Shrink Wrap Sleeve	054007-04211	kit	1	-	30.0	10	-	kit	1583.64	1249.20	-
QS2012T*	Cold Shrink Inline PILC Splice 15kV Range: 3/0-350 kcmil	054007-50547	each	1	-	6.3	1	-	each	572.89	451.91	-
QS2012T-3/0*	Cold Shrink Inline PILC Splice 15kV 3/0 AWG CU Conn	054007-41491	each	1	-	0.0	1	-	each	597.18	471.07	-
QS2012T-3/0-350*	C/Shrink Inline PILC Splice 15kV Range: 3/0-350 kcmil CU/AL Co	054007-41489	each	1	-	0.0	1	-	each	597.18	471.07	-
QS2012T-4/0*	Cold Shrink Inline PILC Splice 15kV Range: 4/0 AWG CU Conn	054007-41492	each	1	-	11.0	1	-	each	597.18	471.07	-
QS2012T-4/0-350*	C/Shrink Inline PILC Splice 15kV Range: 4/0-350 kcmil CU/AL Co	054007-41490	each	1	-	11.0	1	-	each	597.18	471.07	-
QS2012T-250*	Cold Shrink Inline PILC Splice 15kV Range: 250 kcmil CU Conn	054007-41493	each	1	-	0.0	1	-	each	597.18	471.07	-
QS2012T-250-350*	C/Shrink Inline PILC Splice 15kV Range: 250-350 kcmil CU/AL Co	054007-41499	each	1	-	11.1	1	-	each	597.18	471.07	-
QS2012T-350*	Cold Shrink Inline PILC Splice 15kV Range: 350 kcmil CU Conn	054007-41494	each	1	-	11.1	1	-	each	597.18	471.07	-
QS2013-3T*	Cold Shrink Trificating Transistion Splice	054007-42023	kit	1	-	32.2	10	-	kit	1794.69	1415.80	-
QS2013-3T-WS	Cold Shrink Transistion Splice w/Heat Shrink Wrap Sleeve	054007-04212	kit	1	-	35.0	10	-	kit	1794.79	1415.76	-
QS2013T*	Cold Shrink Inline PILC Splice 15kV Range: 400-1000 kcmil	054007-50555	each	1	-	13.0	1	-	each	678.48	535.19	-
QS2013T-400-500*	Cold Shrink Inline PILC Splice 15kV 400-500 kcmil CU/AL Conn	054007-41495	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-500*	Cold Shrink Inline PILC Splice 15kV 500 kcmil CU Conn	054007-41505	each	1	-	14.2	1	-	each	707.13	557.80	-
QS2013T-500-750*	Cold Shrink Inline PILC Splice 15kV 500-750 kcmil CU/AL Conn	054007-41496	each	1	-	14.0	1	-	each	707.13	557.80	-
QS2013T-500-800*	Cold Shrink Inline PILC Splice 15kV 500-800 kcmil CU/AL Conn	054007-41503	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-500-1000*	Cold Shrink Inline PILC Splice 15kV 500-1000 kcmil CU/AL Conn	054007-41504	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-600*	Cold Shrink Inline PILC Splice 15kV 600 kcmil CU Conn	054007-41506	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-600-750*	Cold Shrink Inline PILC Splice 15kV 600-750 kcmil CU/AL Conn	054007-41500	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-650-750*	Cold Shrink Inline PILC Splice 15kV 650-750 kcmil CU/AL Conn	054007-41501	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-700-750*	Cold Shrink Inline PILC Splice 15kV 700-750 kcmil CU/AL Conn	054007-41498	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-750*	Cold Shrink Inline PILC Splice 15kV 750 kcmil CU Conn	054007-41507	each	1	-	14.5	1	-	each	707.13	557.80	-
QS2013T-750-800*	Cold Shrink Inline PILC Splice 15kV 750-800 kcmil CU/AL Conn	054007-41502	each	1	-	0.0	1	-	each	707.13	557.80	-
QS2013T-750-1000*	Cold Shrink Inline PILC Splice 15kV 750-1000 kcmil CU/AL Conn	054007-41497	each	1	-	13.9	1	-	each	707.13	557.80	-
QS2013T-1000*	Cold Shrink Inline PILC Splice 15kV 1000 kcmil CU Conn	054007-41508	each	1	-	0.0	1	-	each	707.13	557.80	-
R	Spring Connector Red (Bulk)	054007-70489	conn	5000	500/bag	44.5	500	5000	1000	112.39	104.27	84.91
R	Spring Connector Red (Boxed)	054007-20058	conn	1000	100/box	9.6	100	1000	100	14.26	12.80	10.77
R/Y+	Spring Connector Red/Yellow (Bulk)	054007-43155	conn	4000	500/container	36.0	500	4000	1000	93.60	86.84	73.24
R/Y+	Spring Connector Red/Yellow (Box)	054007-43154	conn	1000	100/box	9.1	100	1000	100	11.66	10.82	9.13
R-1620ES	Safety Goggles (15/case)	051131-52523	case	1	-	3.1	1	-	case	44.48	35.09	-
R-1710ES	Protective Eyewear (Black with Clear Lens) 10/case	051131-52528	case	1	-	2.3	1	-	case	51.84	40.90	-
RC-1	Restricting Collar 1 in X 25 in (Boxed)	051115-07589	each	1	-	3.0	1	-	each	40.41	31.88	-
RC-1	Restricting Collar 2 in X 25 in Boxed	054007-08324	each	1	-	5.4	1	-	each	72.43	57.13	-
RJS-1	Rejacketing Sleeve 10 ft coil	054007-43099	each	1	-	1.7	1	-	each	96.73	76.30	-
RJS-1	3M Rejacketing Sleeve 4 ft coil	054007-43098	each	10	-	3.5	10	-	each	43.96	34.68	-
RJS-2	Rejacketing Sleeve 10 ft coil	054007-43101	each	1	-	1.5	1	-	each	109.03	86.01	-
RJS-2	Rejacketing Sleeve 4 ft coil	054007-43100	each	10	-	4.9	10	-	each	51.00	40.23	-
RJS-3	Rejacketing Sleeve 10 ft coil	054007-43103	each	1	-	1.5	1	-	each	149.48	117.91	-
RJS-3	Rejacketing Sleeve 4 ft coil	054007-43102	each	10	-	5.9	10	-	each	66.83	52.71	-
RJS-4	Rejacketing Sleeve 10 ft coil	054007-43105	each	1	-	2.0	1	-	each	160.03	126.24	-
RJS-4	Rejacketing Sleeve 4 ft coil	054007-43104	each	10	-	6.7	10	-	each	73.86	58.26	-
RJS-5	Rejacketing Sleeve 4 ft coil	054007-43106	each	10	-	8.3	10	-	each	80.90	63.81	-
RJS-5	Rejacketing Sleeve 10 ft coil	054007-43107	each	1	-	2.7	1	-	each	174.10	137.33	-

*MSDS Available

Effective Date: June 4, 2001

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
S-11	Insulated Crimp Sleeve Connectors (Bulk)	054007-16733	conn	10000	1000/bag	13.1	1000	10000	1000	95.07	90.98	72.82
S-11	Insulated Crimp Sleeve Connectors (Boxed)	054007-16732	conn	1000	100/box	1.7	100	1000	100	14.95	14.70	11.78
S-31	Insulated Crimp Sleeve Connectors (Boxed)	054007-16734	conn	500	50/box	1.7	50	500	100	22.95	22.56	18.09
S-31	Insulated Crimp Sleeve Connectors (Bulk)	054007-16735	conn	5000	500/bag	12.7	500	5000	1000	128.89	123.34	98.72
S-60	Uninsulated Crimp Sleeve Connectors (Bulk)	054007-16727	conn	10000	1000/bag	22.1	1000	10000	1000	80.87	74.80	65.10
S-60	Uninsulated Crimp Sleeve Connectors (Boxed)	054007-16726	conn	1000	100/box	2.3	100	1000	100	8.91	8.63	7.12
SC0001	Stem Connector	054007-14655	each	10	-	2.4	10	-	each	15.89	12.53	-
SC0002	Stem Connector	054007-14648	each	10	-	3.0	10	-	each	15.89	12.53	-
SC0010	Stem Connector	054007-14663	each	10	-	2.4	10	-	each	15.89	12.53	-
SC0020	Stem Connector	054007-14671	each	10	-	4.7	10	-	each	21.18	16.71	-
SC0030	Stem Connector	054007-14689	each	10	-	4.8	10	-	each	21.18	16.71	-
SC0040	Stem Connector	054007-14697	each	10	-	4.5	10	-	each	21.18	16.71	-
SCOTCHFIL	Insulation Putty 1 1/2" x 60"	054007-41750	rls	12	4/ctn	6.6	12	-	rls	8.49	6.70	-
SCOTCHKOTE*	Electrical Coating 15 oz	054007-14853	can	10	-	11.3	10	-	can	18.54	14.62	-
SCOTCHKOTE*	Electrical Coating 4 oz	054007-43906	can	10	-	4.6	10	-	can	5.60	4.42	-
SCOTCHRAP PRIMER*	Pipe Primer (1 gallon can)	054007-42768	gals	4	-	33.1	1	4	gals	62.53	55.03	45.91
SCS-AM02	Computer Sheet Wire Markers	054007-49380	each	5000	-	1.5	5000	10000	1000	17.19	15.97	14.22
SCS-AM04	Computer Sheet Wire Markers	054007-49381	each	5000	-	2.0	5000	10000	1000	16.38	15.23	13.55
SCS-AM06	Computer Sheet Wire Markers	054007-49382	each	5000	-	3.5	5000	10000	1000	32.10	29.82	26.55
SCS-AM08	Computer Sheet Wire Markers	054007-49383	each	5000	-	2.9	5000	10000	1000	32.40	30.11	26.81
SCS-AM10	Computer Sheet Wire Markers	054007-49384	each	5000	-	3.0	5000	10000	1000	32.72	30.40	27.06
SCS-AM12	Computer Sheet Wire Markers	054007-49385	each	5000	-	5.5	5000	10000	1000	54.71	50.82	45.24
SCS-AM14	Computer Sheet Wire Markers	054007-49386	each	2500	-	4.1	2500	5000	1000	97.84	90.90	80.91
SCS-AM16	Computer Sheet Wire Markers	054007-49387	each	2500	-	6.8	2500	5000	1000	143.68	133.49	118.83
SCS-AM18	Computer Sheet Wire Markers	054007-49388	each	2500	-	8.6	2500	5000	1000	186.34	173.12	154.12
SCS-AM20	Computer Sheet Wire Markers	054007-49389	each	2500	-	7.2	2500	5000	1000	144.68	134.42	119.66
SCS-AM22	Computer Sheet Wire Markers	054007-49390	each	5000	-	6.4	5000	10000	1000	57.42	53.35	47.49
SCS-AM24	Computer Sheet Wire Markers	054007-49391	each	2500	-	5.3	2500	5000	1000	121.16	112.57	100.20
SCS-AM26	Computer Sheet Wire Markers	054007-49392	each	2500	-	8.5	2500	5000	1000	163.60	152.00	135.31
SCS-AM28	Computer Sheet Wire Markers	054007-49393	each	2500	-	12.7	2500	5000	1000	210.68	195.74	174.25
SCS-AM30	Computer Sheet Wire Markers	054007-49394	each	2500	-	16.2	2500	5000	1000	290.69	270.08	240.42
SCS-ASW 2.0	Computer Sheet Software	054007-50191	each	1	-	0.7	1	2	each	365.60	339.67	302.36
SDR-- (MINUS)	Wire Marker Tape	054007-09422	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-+ (PLUS)	Wire Marker Tape	054007-09421	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-0	Wire Marker Tape	054007-09369	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-0-9	Wire Marker Tape (10 rls/pack)	054007-09368	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-1	Wire Marker Tape	054007-09370	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-2	Wire Marker Tape	054007-09371	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-3	Wire Marker Tape	054007-09372	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-4	Wire Marker Tape	054007-09373	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-5	Wire Marker Tape	054007-09374	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-6	Wire Marker Tape	054007-09375	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-7	Wire Marker Tape	054007-09376	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-8	Wire Marker Tape	054007-09377	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-9	Wire Marker Tape	054007-09378	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-10-19	Wire Marker Tape (10 rls/pack)	054007-09379	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-20-29	Wire Marker Tape (10 rls/pack)	054007-09380	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-30-39	Wire Marker Tape (10 rls/pack)	054007-09381	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-40-49	Wire Marker Tape (10 rls/pack)	054007-09382	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-50-59	Wire Marker Tape (10 rls/pack)	054007-09383	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-60-69	Wire Marker Tape (10 rls/pack)	054007-09384	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-70-79	Wire Marker Tape (10 rls/pack)	054007-09385	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-80-89	Wire Marker Tape (10 rls/pack)	054007-09386	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-90-99	Wire Marker Tape (10 rls/pack	054007-09387	pack	5	10 rls/pack	0.4	1	5	pack	20.06	18.64	16.60
SDR-A	Wire Marker Tape	054007-09388	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-B	Wire Marker Tape	054007-09389	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-BK	Wire Marker Tape (Black)	054007-09423	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-BL	Wire Marker Tape (Blue)	054007-09424	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-BN	Wire Marker Tape (Brown)	054007-09425	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-C	Wire Marker Tape	054007-09390	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-D	Wire Marker Tape	054007-09391	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-E	Wire Marker Tape	054007-09392	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-F	Wire Marker Tape	054007-09393	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-G	Wire Marker Tape	054007-09394	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64

Electrical Products

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
SDR-GN	Wire Marker Tape (Green)	054007-09426	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-GY	Wire Marker Tape (Gray)	054007-09427	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-H	Wire Marker Tape	054007-09395	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-I	Wire Marker Tape	054007-09396	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-J	Wire Marker Tape	054007-09397	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-K	Wire Marker Tape	054007-09398	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-L	Wire Marker Tape	054007-09399	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-L1	Wire Marker Tape	054007-09400	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-L2	Wire Marker Tape	054007-09401	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-L3	Wire Marker Tape	054007-09402	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-M	Wire Marker Tape	054007-09403	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-MC	Multiple Colors (10/pack)	054007-09404	pack	5	10/pack	0.4	10	50	pack	20.06	18.64	16.60
SDR-N	Wire Marker Tape	054007-09405	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-O	Wire Marker Tape	054007-09406	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-OR	Wire Marker Tape (Orange)	054007-09428	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-P	Wire Marker Tape	054007-09407	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-Q	Wire Marker Tape	054007-09408	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-R	Wire Marker Tape	054007-09409	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-RD	Wire Marker Tape (Red)	054007-09429	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-S	Wire Marker Tape	054007-09410	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-T	Wire Marker Tape	054007-09411	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-T1	Wire Marker Tape	054007-09412	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-T2	Wire Marker Tape	054007-09413	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-T3	Wire Marker Tape	054007-09414	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-U	Wire Marker Tape	054007-09415	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-V	Wire Marker Tape	054007-09416	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-VL	Wire Marker Tape (Violet)	054007-09458	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-W	Wire Marker Tape	054007-09417	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-WH	Wire Marker Tape (White)	054007-09430	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-X	Wire Marker Tape	054007-09418	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-Y	Wire Marker Tape	054007-09419	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-YL	Wire Marker Tape (Yellow)	054007-09431	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SDR-Z	Wire Marker Tape	054007-09420	rls	50	10/box	0.4	10	50	rls	1.99	1.85	1.64
SG-2	Hi-Amp Splice Grounding Accessory Kit	054007-50041	each	10	-	14.5	10	-	each	72.08	56.85	-
SG-3	Hi-Amp Splice Grounding Accessory Kit	054007-41511	each	10	-	28.5	10	-	each	84.25	66.45	-
Shipping Mate*	Box Re-Nu 16 Fl oz	021200-85851	can	12	-	12.5	12	-	can	12.06	9.51	-
Shipping Mate*	Case Sealing Adhesive 24 Oz Can	021200-30024	can	12	-	17.2	12	-	can	13.27	10.46	-
SI-1	Cable Stacker	054007-49554	each	250	25/bag	8.8	25	100	each	0.37	0.31	0.23
SIFS-1	Furring Strip Cable Stacker	054007-49918	each	250	25/bag	7.0	25	100	each	0.34	0.29	0.22
SIL-5CC*	Silicone Grease - 5 CC Tube	054007-41814	each	100	-	1.6	100	-	each	1.55	1.22	-
Silicone Lubricant*	24 OZ	021200-85822	can	12	-	16.4	12	-	can	6.88	5.43	-
SJ-1	Cold Shrink Splice Jacket Kits	054007-11868	kit	10	-	11.6	10	-	kit	36.75	28.99	-
SJ-1A	Cold Shrink Splice Jacket Kits	054007-69742	kit	6	-	11.9	6	-	kit	35.18	27.74	-
SJ-1SS	Stacked Sleeve Cold Shrink Splice Jacket Kit	054007-50777	each	6	-	15.2	1	-	each	35.85	28.28	-
SJ-2A	Cold Shrink Splice Jacket Kits	054007-69743	kit	6	-	18.4	6	-	kit	48.44	38.21	-
SJ-2SS	Stacked Sleeve Cold Shrink Splice Jacket Kit	054007-50778	each	6	-	21.4	1	-	each	49.38	38.95	-
SJ-3A	Cold Shrink Splice Jacket Kits	054007-69744	kit	6	-	22.3	6	-	kit	64.56	50.92	-
SJ-3SS	Stacked Sleeve Cold Shrink Splice Jacket Kit	054007-50779	each	6	-	26.5	1	-	each	65.81	51.91	-
SJ-4SS	Stacked Sleeve Cold Shrink Splice Jacket Kit	054007-43894	each	6	-	0.2	1	-	each	70.35	55.49	-
SKE 4/10	Heavy Duty End Caps	051138-48153	each	1000	-	0.3	50	-	each	1.43	1.39	-
SKE 8/20	Heavy Duty End Caps	051138-48154	each	250	-	3.4	50	-	each	2.06	1.89	-
SKE 15/40	Heavy Duty End Caps	051138-48155	each	60	-	2.9	10	-	each	2.75	2.52	-
SKE 25/63	Heavy Duty End Caps	051138-48156	each	60	-	7.6	10	-	each	4.41	4.04	-
SKE 30/76	Heavy Duty End Caps	051138-48157	each	40	-	7.6	10	-	each	6.31	5.79	-
SKE 45/100	Heavy Duty End Caps	051138-48158	each	30	-	8.3	10	-	each	7.98	7.30	-
SLS	Wire Marker Write-On Dispenser	054007-49653	each	10	1/card	3.5	1	10	each	25.52	23.71	21.11
SLS-R	Refill Roll For SLS	054007-49652	rls	10	1/card	1.8	1	10	rls	19.69	18.30	16.28
SLW	Wire Marker Write-on Dispenser (Large)	054007-12177	each	10	1/card	3.4	1	10	each	29.01	26.94	23.99
SLW-R	Refill Roll For SLW	054007-49651	each	10	1/card	1.8	1	10	each	22.35	20.77	18.49
SMP-B	Wire Marker Pen (Black)	054007-09963	each	50	10/box	1.0	10	50	each	4.63	4.31	3.83
SPB-01	Wire Marker Book	054007-49951	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-02	Wire Marker Book	054007-49952	each	5	1/bag	0.9	1	5	each	15.17	14.10	12.56
SPB-03	Wire Marker Book	054007-49953	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-04	Wire Marker Book	054007-49954	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-05	Wire Marker Book	054007-49955	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56

***MSDS Available**

Effective Date: June 4, 2001

Electrical Products

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
SPB-06	Wire Marker Book	054007-49956	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-07	Wire Marker Book	054007-49957	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-08	Wire Marker Book	054007-49958	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-09	Wire Marker Book	054007-49959	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-11	Wire Marker Book	054007-49960	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-12	Wire Marker Book	054007-49961	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-13	Wire Marker Book	054007-49962	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-14	Wire Marker Book	054007-49963	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-15 AS1	Wire Marker Book	054007-49964	each	5	1/bag	1.0	1	5	each	15.17	14.10	12.56
SPB-16 LC1	Wire Marker Book	054007-49965	each	5	-	1.0	1	5	each	15.17	14.10	12.56
SSC 050X*	Solder Splicer Connector Kit w/MT-10 Microtorch	051138-48402	each	5	-	7.4	5	-	each	112.86	101.38	-
SSC 0501*	Solder Splice Connector (Red) Boxed	051138-46978	each	250	25/Box	1.3	250	-	100	41.00	36.84	-
SSC 0501*	Solder Splice Connector - (Red) Bagged (10/Pack)	051138-47971	pack	10	10/Pack	1.3	10	-	pack	6.41	5.75	-
SSC 0502*	Solder Splice Connector (Blue) Boxed	051138-46979	each	250	25/Box	1.3	250	-	100	47.57	42.73	-
SSC 0502*	Solder Splice Connector - (Blue) Bagged (10/Pack)	051138-47972	pack	10	10/Pack	1.3	10	-	pack	7.44	6.67	-
SSC 0503*	Solder Splice Connector (Yellow) Boxed	051138-46980	each	250	25/Box	1.3	250	-	100	62.82	56.43	-
SSC 0503*	Solder Splice Connector - Yellow (Bagged) (10/Pack)	051138-47973	pack	10	10/Pack	1.3	10	-	pack	9.81	8.81	-
SSC 1000*	Solder Splice Connector (Clear) Boxed	051138-52719	each	250	25/Box	1.3	250	-	100	43.97	39.50	-
SSC 1000*	Solder Splice Connector (Clear) Bagged (10/Pack)	051138-47830	pack	10	10/Pack	1.3	10	-	pack	6.88	6.18	-
SSC 1001*	Solder Splice Connector (Red) Bagged (10/Pack)	051138-47827	pack	10	10/pack	1.3	10	-	pack	7.08	6.36	-
SSC 1001*	Solder Splice Connector (Red) Boxed	051138-46598	each	250	25/Box	1.3	250	-	100	45.33	40.72	-
SSC 1002*	Solder Splice Connector (Blue) Bagged (10/Pack)	051138-47828	pack	10	10/Pack	1.3	10	-	pack	8.20	7.37	-
SSC 1002*	Solder Splice Connector (Blue) Boxed	051138-46600	each	250	25/Box	1.3	250	-	100	52.58	47.23	-
SSC 1003*	Solder Splice Connector (Yellow) Bagged (10/pack)	051138-47829	pack	10	10/pack	1.3	10	-	pack	10.85	9.75	-
SSC 1003*	Solder Splice Connector (Yellow) Boxed	051138-46602	each	250	25/Box	1.3	250	-	100	69.43	62.37	-
SSC 2000*	Solder Splice Connector (Bulk)	051138-46597	each	1000	-	0.0	1000	-	100	78.27	61.74	-
SSC 2000*	Solder Splice Connector (Boxed)	051138-46596	each	250	-	1.3	250	-	100	82.19	64.83	-
SSC 2001*	Solder Splice Connector (Boxed)	051138-40310	each	250	-	1.3	250	-	100	84.24	66.45	-
SSC 2001	Solder Splice Connector (Bulk)	051138-40395	each	1000	-	3.9	1000	-	100	80.24	63.29	-
SSC 2002*	Solder Splice Connector (Boxed)	051138-40311	each	250	-	1.3	250	-	100	88.36	69.70	-
SSC 2002	Solder Splice Connector (Bulk)	051138-40394	each	500	-	3.9	500	-	100	84.15	66.38	-
SSC 2003*	Solder Splice Connector (Boxed)	051138-40312	each	250	-	1.3	250	-	100	100.69	79.42	-
SSC 2003	Solder Splice Connector (Bulk)	051138-40393	each	250	-	3.9	250	-	100	95.89	75.64	-
STD	Wire Marker Tape Dispenser (Empty)	054007-12172	each	25	-	2.6	1	25	each	10.35	9.61	8.55
STD-0-9	Wire Marker Tape Dispenser (Filled Nos.)	054007-12174	each	25	-	3.7	1	25	each	31.48	29.25	26.04
STD-0-9X	Wire Marker Tape Dispenser (Filled Nos.)	054007-49518	each	10	-	1.4	1	10	each	32.74	30.42	27.08
STD-101	Wire Marker Refill Roll - 3/8"	054007-50346	rls	10	2/bag	1.0	2	10	rls	6.24	5.80	5.16
STD-102	Wire Marker Refill Roll - 1/4"	054007-50347	rls	10	2/bag	1.0	2	10	rls	5.63	5.24	4.66
STD-C	Wire Marker Tape Dispenser (Filled Colors)	054007-12175	each	25	-	3.7	1	25	each	31.48	29.25	26.04
STD-CX	Wire Marker Tape Dispenser (Filled Colors)	054007-49517	each	10	-	1.4	1	10	each	32.74	30.42	27.08
STD-TAG	Tag Wire Marking Dispenser	054007-50345	each	10	-	3.9	1	10	each	43.00	39.95	35.56
STD-X	Wire Marker Tape Dispenser (Empty)	054007-49519	each	10	-	0.9	1	10	each	10.73	9.97	8.87
STS	Type-On Sheets (5 shts/pkg)	054007-12317	shts	100	5/pkg	3.3	5	100	100	319.71	297.02	264.41
SW 40	Cable Repair Spacer Web 1 1/2" X 40"	054007-31606	strp	50	-	3.0	150	0	strp	2.37	1.81	-
SWB-1	Wire Marker Write-On Book	054007-49904	each	5	1/bag	0.8	1	5	each	15.63	14.52	12.92
SWB-2	Wire Marker Write-On Book	054007-49905	each	5	1/bag	0.8	1	5	each	15.63	14.52	12.92
SWB-3	Wire Marker Write-On Book	054007-49906	each	5	1/bag	1.1	1	5	each	15.63	14.52	12.92
SWB-4	Wire Marker Write-On Book	054007-49907	each	5	1/bag	1.1	1	5	each	15.63	14.52	12.92
SWD	Wire Marker Write-On Dispenser (Reg)	054007-11954	each	10	1/card	2.9	1	10	each	24.86	23.10	20.56
SWD-R	Refill Roll for SWD	054007-12201	rls	10	1/card	1.7	1	10	rls	19.21	17.85	15.88
T-49*	Aluminum Tape 4 in X 180 ft	051115-02240	rls	2	-	6.6	2	-	rls	57.33	45.22	-
U1B*	IDC Connector for Communication (Boxed)	054007-71340	conn	1000	100	16.0	1000	-	100	175.76	138.65	-
U1R*	IDC Connector for Communication (Boxed)	054007-56388	conn	1000	100/box	16.2	1000	-	100	184.81	145.79	-
UAL*	IDC Connector for Communication (10/pack)	054007-27828	pack	10	10/pack	4.7	10	-	pack	24.64	19.44	-
UAL*	IDC Connector for Communication (Boxed)	054007-27827	conn	1000	100/box	3.1	1000	-	100	21.74	17.15	-
UB2A*	IDC Connector For Communication (Boxed)	054007-92693	conn	1000	100/Box	2.1	1000	-	100	14.50	11.44	-
UB2A*	IDC Connector For Communication (Bulk)	054007-92696	conn	5000	500/Box	9.2	5000	-	1000	144.95	114.35	-
UB2A*	IDC Connector For Communication (Bin)	054007-92695	conn	1000	20/Bag	2.0	1000	-	1000	452.98	357.34	-
UB2A-D	IDC Connector For Communication (Boxed)	054007-92694	conn	1000	100/Box	1.8	1000	-	100	0.16	0.13	-
UB2A-D	IDC Connector For Communication (Bulk)	054007-92697	conn	5000	500/Box	7.4	5000	-	1000	144.95	114.35	-
UB2A-D	IDC Connector For Communication (Bin)	054007-92698	conn	1000	20/Bag	2.0	1000	-	1000	163.07	128.64	-
UF1*	Underground Feeder Splice Kit - Standard (1.8" connector)	054007-42920	kit	6	-	1.9	6	-	kit	12.67	10.00	-
UF2*	Underground Feeder Splice Kit - Stretcher (11.7" connector)	054007-42921	kit	6	-	4.2	6	-	kit	25.86	20.40	-

Electrical Products

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Billing Unit	Case Qty	Inner Unit Pack	Weight Lbs/Case	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
UG*	IDC Connector For Communication (Bulk)	054007-33280	conn	5000	500/Box	11.6	5000	-	1000	163.07	128.64	-
UG*	IDC Connector for Communication (Bin)	054007-27814	conn	1000	20/bag	2.6	5000	-	1000	398.62	314.46	-
UG*	IDC Connector for Communication (Boxed)	054007-56391	conn	1000	100/box	2.5	1000	-	100	49.93	15.72	-
ULTRA 10	Fast Anchors 3/4" x 10"	051115-08377	each	400	-	10.0	400	-	each	0.76	0.60	-
ULTRA 16	Fast Anchors 5/16" x 16"	051115-11530	each	400	-	14.9	400	-	each	1.09	0.87	-
ULTRA PPD 1.5*	Plastic Pipe Device 1.5 in (Hose Clamp)	051115-08378	each	10	-	3.9	10	-	each	12.72	10.04	-
ULTRA PPD 2*	Plastic Pipe Device 2 in (Hose Clamp)	051115-08379	each	10	-	4.5	10	-	each	16.50	13.02	-
ULTRA PPD 3*	Plastic Pipe Device 3 in (Hose Clamp)	051115-08380	each	10	-	8.1	10	-	each	21.22	16.74	-
ULTRA PPD 4*	Plastic Pipe Device 4 in (Hose Clamp)	051115-08381	each	10	-	11.9	10	-	each	30.70	24.22	-
UP2	IDC Connector For Communication (Bulk)	054007-33420	conn	5000	1000/Box	5.2	5000	-	1000	126.83	100.06	-
UP2	IDC Connector For Communication (Bin)	054007-33428	conn	1000	20/Bag	1.4	5000	-	1000	308.03	242.99	-
UP2	IDC Connector For Communication (16/Cart 160/Pk)	054007-32698	pack	10	16/Cart 160/Pk	3.2	10	-	pack	20.71	16.34	-
UP3	IDC Connector For Communication (Bulk)	054007-33419	conn	5000	500/Box	12.5	5000	-	1000	163.07	128.64	-
UP3	IDC Connector For Communication (Bin)	054007-33429	conn	1000	20/Bag	2.9	5000	-	1000	362.38	285.87	-
UP3	IDC Connector For Communication (10/Cart 100/Pk)	054007-32700	pack	10	10/Cart 100/Pk	4.4	10	-	pack	13.99	11.03	-
UR*	IDC Connector for Communication (10/cart 100/pac)	054007-27816	pack	10	10/cart 100/pac	4.7	10	-	pack	15.98	12.61	-
UR*	IDC Connector For Communication (Bulk)	054007-33277	conn	5000	500/Box	14.6	5000	-	1000	163.07	128.64	-
UR*	IDC Connector for Communication (Bin)	054007-27815	conn	1000	20/bag	3.2	5000	-	1000	181.19	142.94	-
UR*	IDC Connector for Communication (Boxed)	054007-56390	conn	1000	100/box	3.1	1000	-	100	14.50	11.44	-
UR2*	IDC Connector For Communication (Bin)	054007-68540	conn	1000	20/Bag	2.9	1000	-	1000	163.07	128.64	-
UR2*	IDC Connector For Communication (Bulk)	054007-68539	conn	5000	500/Box	12.8	5000	-	1000	126.83	100.06	-
UR2*	IDC Connector For Communication (10/Cart 100/Pk)	054007-68541	pack	10	10/Cart 100/Pk	4.4	10	-	pack	13.86	10.93	-
UR2*	IDC Connector For Communication (Boxed)	054007-68538	conn	1000	100/Box	2.7	1000	-	100	12.68	10.01	-
UR2-D*	IDC Connector For Communication (10/Cart 100/Pac)	054007-71475	pack	10	10/Cart 100/Pac	3.9	10	-	pack	13.21	10.42	-
UR2-D*	IDC Connector For Communication (Bulk)	054007-71474	conn	5000	500/Box	10.3	5000	-	1000	163.07	128.64	-
UR2-D*	IDC Connector For Communication (Bin)	054007-71473	conn	1000	20/Bag	2.3	1000	-	1000	380.50	300.17	-
UY*	IDC Connector For Communication (Bulk)	054007-33278	conn	5000	1000/Box	6.0	5000	-	1000	126.83	100.06	-
UY*	IDC Connector for Communication (16/cart 160/pac)	054007-27817	pack	10	16/cart 160/pac	3.4	10	-	pack	21.00	16.57	-
UY*	IDC Connector for Communication (Bin)	054007-14929	conn	1000	20/bag	1.6	5000	-	1000	326.15	257.28	-
UY*	IDC Connector for Communication (Boxed)	054007-14911	conn	1000	100/box	1.4	1000	-	100	12.69	10.01	-
UY2*	IDC Connector For Communication (Bin)	054007-68536	conn	1000	20/Bag	1.9	1000	-	1000	163.07	128.64	-
UY2*	IDC Connector For Communication (Boxed)	054007-68537	conn	1000	100/Box	1.9	1000	-	100	10.87	8.58	-
UY2*	IDC Connector For Communication (Bulk)	054007-68535	conn	5000	1000/Box	7.6	5000	-	1000	126.83	100.06	-
UY2*	IDC Connector For Communication (12/Cart 120/Pk)	054007-68534	pack	10	12/Cart 120/Pk	3.6	10	-	pack	13.63	10.75	-
UY2-D	IDC Connector For Communication (Bin)	054007-71476	conn	1000	20/Bag	1.6	1000	-	1000	235.55	185.82	-
UY2-D	IDC Connector For Communication (Bulk)	054007-71477	conn	5000	1000/Box	6.0	5000	-	1000	126.83	100.06	-
UY2-D	IDC Connector For Communication (12/Cart 120/Pk)	054007-71478	pack	10	12/Cart 120/Pk	3.2	10	-	pack	14.66	11.56	-
WCD-H	Hand Driver For Wire Connectors	054007-49948	each	10	-	3.0	1	-	each	11.49	10.46	-
WCD-P	Power Driver For Wire Connectors	054007-49919	each	10	-	1.0	1	-	each	5.20	4.78	-
WL-1*	Wire Pulling Lubricant (Gallon)	054007-50623	gals	4	-	37.5	4	-	gals	15.07	12.48	-
WL-5*	Wire Pulling Lubricant (5 Gallon Pail)	054007-50624	pail	1	-	44.0	1	-	pail	58.20	48.22	-
WL-55*	Wire Pulling Lubricant (55 Gallon Drum)	054007-50625	drum	1	-	538.0	1	-	drum	571.80	473.79	-
WLC-1*	Wire Pulling Lubricant Communication (Gallon)	054007-41784	gals	4	-	35.0	4	-	gals	18.53	15.35	-
WLC-5*	Wire Pulling Lubricant Communication (5 Gallon)	054007-41785	pail	1	-	42.0	1	-	pail	60.31	49.98	-
WLC-55*	Wire Pulling Lubricant Communication (55 Gallon)	054007-41786	drum	1	-	420.0	1	-	drum	617.98	511.96	-
WLC-QT*	Wire Pulling Lubricant Communication (QT)	054007-41783	qts	12	-	28.0	12	-	qts	9.10	7.54	-
WL-QT*	Wire Pulling Lubricant (Quart)	054007-50622	qts	12	-	29.0	12	-	qts	6.25	5.17	-
WLW-1*	Wire Pulling Lubricant Wintergrade (Gallon)	054007-41747	gals	4	-	38.5	4	-	gals	28.64	23.73	-
WLW-5*	Wire Pulling Lubricant Wintergrade (5 Gallon Pail)	054007-41748	pail	1	-	40.5	1	-	pail	108.78	90.12	-
WLW-QT*	Wire Pulling Lubricant Wintergrade (Quart)	054007-41746	qts	12	-	27.1	12	-	qts	9.04	7.49	-
WLX-1*	Wire Pulling Lubricant Wax (Gallon)	054007-41743	gals	4	-	37.0	4	-	gals	16.13	13.37	-
WLX-5*	Wire Pulling Lubricant Wax (5 Gallon)	054007-41744	pail	1	-	44.0	1	-	pail	58.45	48.42	-
WLX-55*	Wire Pulling Lubricant Wax (55 Gallon)	054007-41745	drum	1	-	460.0	1	-	drum	609.80	505.17	-
WLX-QT*	Wire Pulling Lubricant Wax (Quart)	054007-41742	qts	12	-	29.0	12	-	qts	6.96	5.77	-
Y	Spring Connector Yellow (Bulk)	054007-15769	conn	10000	500/bag	46.3	500	10000	1000	85.35	79.18	64.49
Y	Spring Connector Yellow (Boxed)	054007-20041	conn	1000	100/box	5.1	100	1000	100	10.91	9.80	8.23

*MSDS Available

Effective Date: June 4, 2001

Boxed Terminals

3M Product Number	Description	Ordering UPC No.	Inner Unit Pack	Case Qty	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
901	IDC Bullet Receptacle Connector (50/Boxed)	054007-06106	50/box	10	10		box	9.54	8.45	
951X	Self-Strip T-Tap	054007-12312	50/box	500	500	5000	100	16.54	15.07	12.06
952X	Self-Strip T-Tap	054007-08427	50/box	500	500	5000	100	16.54	14.28	11.43
953X	Self-Strip T-Tap	054007-12314	-	500	500	5000	100	17.80	16.22	12.98
972X	Fuse Holder (25/Box)	054007-06171	25/box	10	1	10	box	22.15	19.12	15.31
M4-10RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49648	20/box	200	20	200	100	114.46	104.30	83.46
M4-14RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24241	20/box	200	20	200	100	129.33	117.86	94.30
M4-38RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24266	20/box	200	20	200	100	129.33	117.86	94.30
M4-516RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24258	20/box	200	20	200	100	129.33	117.86	94.30
M4BCX	Non-Insulated Brazed Seam Butt Connector	054007-24282	15/box	150	15	150	100	184.88	168.47	134.80
M6-10R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24175	20/box	200	20	200	100	99.25	90.43	72.36
M6-14R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24183	20/box	200	20	200	100	99.25	90.43	72.36
M6-38RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24209	20/box	200	20	200	100	99.25	90.43	72.36
M6-516RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24191	20/box	200	20	200	100	99.25	90.43	72.36
M6BCX	Non-Insulated Brazed Seam Butt Connector	054007-24225	20/box	200	20	200	100	129.35	117.88	94.32
M8-10R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24118	25/box	250	25	250	100	88.00	80.19	64.17
M8-14R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24126	25/box	250	25	250	100	80.74	73.57	58.87
M8-38RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24142	25/box	250	25	250	100	88.00	80.19	64.17
M8-516RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-24134	25/box	250	25	250	100	88.00	80.19	64.17
M8BCX	Non-Insulated Brazed Seam Butt Connector	054007-24167	25/box	250	25	250	100	93.72	80.87	64.77
M10-6FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13815	50/box	500	50	500	100	31.56	25.94	20.76
M10-6RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-23250	50/box	500	50	500	100	28.43	24.54	19.65
M10-8FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-23672	50/box	500	50	500	100	28.43	24.54	19.65
M10-8FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13823	50/box	500	50	500	100	31.56	25.94	20.76
M10-8FX	Non-Insulated Brazed Seam Fork Terminal	054007-23581	50/box	500	50	500	100	28.43	25.91	20.73
M10-8RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-23268	50/box	500	50	500	100	28.43	24.54	19.65
M10-10FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-23680	50/box	500	50	500	100	28.43	24.54	19.65
M10-10FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13831	50/box	500	50	500	100	31.56	25.94	20.76
M10-10FX	Non-Insulated Brazed Seam Fork Terminal	054007-23599	50/box	500	50	500	100	28.43	24.54	19.65
M10-10RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-23276	50/box	500	50	500	100	28.43	23.37	18.70
M10-14FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13849	50/box	500	500	5000	100	41.35	34.00	27.20
M10-14R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-23284	50/box	500	50	500	100	34.54	29.80	23.87
M10-38R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49638	50/box	500	50	500	100	34.54	31.47	25.18
M10-516R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49637	50/box	500	50	500	100	34.54	31.47	25.18
M10BCX	Non-Insulated Seamless Butt Connector	054007-24019	50/box	500	50	500	100	36.64	30.11	24.10
M14-4R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49612	100/box	500	100	500	100	20.57	18.74	14.99
M14-6FB/SX	Non-Insulated Brazed Seam Block Fork Terminal	054007-49623	100/box	500	100	500	100	20.57	18.74	14.99
M14-6FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-22617	100/box	500	100	500	100	20.57	17.74	14.21
M14-6FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13773	100/box	500	100	500	100	26.80	22.03	17.62
M14-6FX	Non-Insulated Brazed Seam Fork Terminal	054007-49622	100/box	500	100	500	100	20.57	18.74	14.99
M14-6R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-22294	100/box	500	100	500	100	20.57	17.74	14.21
M14-8FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-22625	100/box	500	100	500	100	20.57	17.74	14.21
M14-8FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13781	100/box	500	100	500	100	26.80	22.03	17.62
M14-8FX	Non-Insulated Brazed Seam Fork Terminal	054007-22534	100/box	500	100	500	100	20.57	17.74	14.21
M14-8R/LX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-22302	100/box	500	100	500	100	20.57	17.74	14.21
M14-10FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-22633	100/box	500	100	500	100	20.57	17.74	14.21
M14-10FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13799	100/box	500	100	500	100	26.80	22.03	17.62
M14-10FX	Non-Insulated Brazed Seam Fork Terminal	054007-22542	100/box	500	100	500	100	20.57	17.74	14.21
M14-10R/LX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-22310	100/box	500	100	500	100	20.57	16.90	13.53
M14-14FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13807	100/box	500	100	500	100	33.66	27.67	22.14
M14-14R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-22328	100/box	500	100	500	100	28.37	24.48	19.60
M14-38RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49614	100/box	500	100	500	100	28.37	25.85	20.68
M14-516R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49613	100/box	500	100	500	100	28.37	25.85	20.68
M14BCX	Non-Insulated Seamless Butt Connector	054007-23102	100/box	500	100	500	100	24.16	19.87	15.89
M18-4R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49590	100/box	500	100	500	100	20.57	18.74	14.99
M18-6FB/SX	Non-Insulated Brazed Seam Block Fork Terminal	054007-49600	100/box	500	100	500	100	20.57	18.74	14.99
M18-6FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-21940	100/box	500	100	500	100	20.57	18.74	14.99
M18-6FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13732	100/box	500	100	500	100	26.80	22.03	17.62
M18-6FX	Non-Insulated Brazed Seam Fork Terminal	054007-21858	100/box	500	100	500	100	20.57	18.74	14.99
M18-6R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-21635	100/box	500	100	500	100	20.57	17.74	14.21
M18-8FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-21957	100/box	500	100	500	100	20.57	18.74	14.99
M18-8FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13750	100/box	500	100	500	100	26.80	22.03	17.62
M18-8FX	Non-Insulated Brazed Seam Fork Terminal	054007-21866	100/box	500	100	500	100	20.57	18.74	14.99
M18-8R/LX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-21643	100/box	500	100	500	100	20.57	17.74	14.21
M18-10FBX	Non-Insulated Brazed Seam Block Fork Terminal	054007-49601	100/box	500	100	500	100	20.57	18.74	14.99

Boxed Terminals

3M Product Number	Description	Ordering UPC No.	Inner Unit Pack	Case Qty	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
M18-10FLX	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13757	100/box	500	100	500	100	26.80	22.03	17.62
M18-10FX	Non-Insulated Brazed Seam Fork Terminal	054007-49599	100/box	500	100	500	100	20.57	18.74	14.99
M18-10R/LX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-21650	100/box	500	100	500	100	20.57	17.74	14.21
M18-14R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49591	100/box	500	100	500	100	26.98	24.59	19.68
M18-38RX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49593	100/box	500	100	500	100	26.98	24.59	19.68
M18-516R/SX	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-49592	100/box	500	100	500	100	26.98	24.59	19.68
M18BCX	Non-Insulated Seamless Butt Connector	054007-22187	100/box	500	100	500	100	24.16	20.85	16.70
MA250DMFMX	Non-Insulated Double Male-Female Multi-Stack Adapter	054007-11730	50/box	500	50	500	100	38.36	34.95	27.97
MA250DMMFX	Non-Insulated Double Male-Female Multi-Stack Adapter	054007-02308	50/box	500	50	500	100	40.28	34.76	27.83
MC1/0-12RX	Copper Lug	054007-09195	10/box	100	10	100	100	251.91	207.08	165.68
MC1/0-14RX	Copper Lug	054007-09193	10/box	100	10	100	100	251.91	207.08	165.68
MC1/0-38RX	Copper Lug	054007-09194	10/box	100	10	100	100	251.91	207.08	165.68
MC1/0BCX	Copper Connector	054007-09207	10/box	100	10	100	100	264.24	217.21	173.79
MC1-14RX	Copper Lug	054007-09190	10/box	100	10	100	100	245.34	201.68	161.36
MC1-38RX	Copper Lug	054007-09192	10/box	100	10	100	100	245.34	201.68	161.36
MC1-516RX	Copper Lug	054007-09191	10/box	100	10	100	100	245.34	201.68	161.36
MC1BCX	Copper Connector	054007-09206	10/box	100	10	100	100	205.33	168.78	135.04
MC2/0-12RX	Copper Lug	054007-09198	10/box	100	10	100	100	287.48	236.31	189.07
MC2/0-14RX	Copper Lug	054007-09196	10/box	100	10	100	100	287.48	236.31	189.07
MC2/0-38RX	Copper Lug	054007-09197	10/box	100	10	100	100	287.48	236.31	189.07
MC2/0BCX	Copper Connector	054007-09208	10/box	100	10	100	100	287.95	236.71	189.39
MC2-14RX	Copper Lug	054007-09187	10/box	100	10	100	100	162.18	133.31	106.66
MC2-38RX	Copper Lug	054007-09189	10/box	100	10	100	100	162.18	133.31	106.66
MC2-516RX	Copper Lug	054007-09188	10/box	100	10	100	100	162.18	133.31	106.66
MC2BCX	Copper Connector	054007-09205	10/box	100	10	100	100	192.70	158.40	126.74
MC3/0-12RX	Copper Lug	054007-09200	6/box	60	6	60	100	336.86	276.91	221.56
MC3/0-38RX	Copper Lug	054007-09199	6/box	60	6	60	100	336.86	276.91	221.56
MC3/0BCX	Copper Connector	054007-09209	3/box	30	3	30	100	384.33	315.92	252.77
MC4/0-12RX	Copper Lug	054007-09202	6/box	60	6	60	100	379.92	312.30	249.87
MC4/0-38RX	Copper Lug	054007-09201	6/box	60	6	60	100	379.92	312.30	249.87
MC4/0BCX	Copper Connector	054007-09210	3/box	30	3	30	100	445.20	365.96	292.81
MC250-12RX	Copper Lug	054007-09204	6/box	60	6	60	100	489.52	402.39	321.96
MC250-38RX	Copper Lug	054007-09203	6/box	60	6	60	100	489.52	402.39	321.96
MC250BCX	Copper Connector	054007-09211	3/box	30	3	30	100	527.00	433.21	346.61
MH10-8FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06304	25/bag	100	100	200	100	75.28	68.60	54.89
MH10-8RX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06302	25/bag	100	100	200	100	75.28	68.60	54.89
MH10-10FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06307	25/bag	100	100	200	100	75.28	68.60	54.89
MH10-10RX	Brazed Seam Ring Heat Shrink Tongue Terminal (Boxed)	054007-06305	25/bag	100	100	200	100	75.28	68.60	54.89
MH10-14FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06310	25/bag	100	100	200	100	82.33	75.02	60.02
MH10-14RX	Brazed Seam Ring Heat Shrink Tongue Terminal (Boxed)	054007-06309	25/bag	100	100	200	100	82.33	75.02	60.02
MH10-38RX	Brazed Seam Ring Heat Shrink Tongue Terminal (Boxed)	054007-06312	25/bag	100	100	200	100	82.33	75.02	60.02
MH10BCX	Seamless Butt Heat Shrink Connector (Boxed)	054007-06300	25/bag	100	100	200	100	89.39	81.45	65.18
MH14-6FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06322	25/bag	100	100	200	100	58.80	53.58	42.87
MH14-6R/LX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06320	25/bag	100	100	200	100	58.80	53.58	42.87
MH14-8FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06361	25/bag	100	100	200	100	58.80	53.58	42.87
MH14-8R/LX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06324	25/bag	100	100	200	100	58.80	53.58	42.87
MH14-10FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06328	25/bag	100	100	200	100	58.80	53.58	42.87
MH14-10R/LX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06326	25/bag	100	100	200	100	58.80	53.58	42.87
MH14-14FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06332	25/bag	100	100	200	100	65.87	60.02	48.03
MH14-14R/SX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06330	25/bag	100	100	200	100	65.87	60.02	48.03
MH14-38RX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06334	25/bag	100	100	200	100	65.87	60.02	48.03
MH14-516R/SX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06336	25/bag	100	100	200	100	65.87	60.02	48.03
MH14BCX	Seamless Butt Heat Shrink Connector (Boxed)	054007-06318	25/bag	100	100	200	100	82.33	75.02	60.02
MH18-6FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06346	25/bag	100	100	200	100	58.80	53.58	42.87
MH18-6R/LX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06344	25/bag	100	100	200	100	58.80	53.58	42.87
MH18-8FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06363	25/bag	100	100	200	100	58.80	53.58	42.87
MH18-8R/LX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06348	25/bag	100	100	200	100	58.80	53.58	42.87
MH18-10FLX	Locking Fork Brazed Seam Heat Shrink Terminal (Boxed)	054007-06352	25/bag	100	100	200	100	58.80	53.58	42.87
MH18-10R/LX	Brazed Seam Ring Tongue Heat Shrink Terminal (Boxed)	054007-06350	25/bag	100	100	200	100	58.80	53.58	42.87
MH18BCX	Seamless Butt Heat Shrink Connector (Boxed)	054007-06342	25/bag	100	100	500	100	82.33	75.02	60.02
MI10-250DFX	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-09975	50/box	500	50	500	100	52.82	48.13	38.51
MI14-187DFX	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-09976	100/box	500	100	500	100	28.90	26.34	21.07
MI14-250DFX	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-09977	100/box	500	100	500	100	28.90	23.76	19.01
MI18-187DFX	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-09978	100/box	500	100	500	100	28.90	26.34	21.07
MI18-250DFX	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-09979	100/box	500	100	500	100	28.90	26.34	21.07

*MSDS Available

Boxed Terminals

3M Product Number	Description	Ordering UPC No.	Inner Unit Pack	Case Qty	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
MN6-14R/SX	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-15660	20/box	200	20	200	100	153.52	139.89	111.94
MN8-14R/SX	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-15652	25/box	250	25	250	100	130.58	118.99	95.21
MN10BCX	Nylon Insulated Seamless Butt Connector	054007-24043	50/box	500	50	500	100	63.99	52.61	42.09
MN10CEC/STX	Nylon Insulated Closed End Connector	054007-49635	50/box	500	50	500	100	27.50	25.06	20.05
MN14BCX	Nylon Insulated Seamless Butt Connector	054007-23136	100/box	500	100	500	100	43.52	35.78	28.62
MN14CEC/STX	Nylon Insulated Closed End Connector	054007-49610	100/box	500	100	500	100	17.59	16.03	12.83
MN18BCX	Nylon Insulated Seamless Butt Connector	054007-22211	100/box	500	100	500	100	43.52	35.78	28.62
MNG10-6FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-23722	50/box	500	50	500	100	57.51	49.63	39.74
MNG10-6FFBX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49642	50/box	500	50	500	100	66.14	60.27	48.22
MNG10-6FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11725	50/box	500	50	500	100	56.15	51.16	40.94
MNG10-6RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-23425	50/box	500	50	500	100	57.51	49.63	39.74
MNG10-8FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-23730	50/box	500	50	500	100	57.51	49.63	39.74
MNG10-8FFBX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49643	50/box	500	50	500	100	66.14	60.27	48.22
MNG10-8FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11726	50/box	500	50	500	100	56.15	51.16	40.94
MNG10-8FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-23649	50/box	500	50	500	100	57.51	49.63	39.74
MNG10-8RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-23433	50/box	500	50	500	100	57.51	49.63	39.74
MNG10-10FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-23748	50/box	500	50	500	100	57.51	49.63	39.74
MNG10-10FFBX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49644	50/box	500	50	500	100	66.14	60.27	48.22
MNG10-10FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11727	50/box	500	50	500	100	56.15	51.16	40.94
MNG10-10FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-23656	50/box	500	50	500	100	57.51	49.63	39.74
MNG10-10RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-23441	50/box	500	50	500	100	57.51	47.28	37.82
MNG10-14FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11728	50/box	500	50	500	100	63.97	58.30	46.64
MNG10-14R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-23458	50/box	500	50	500	100	62.77	54.16	43.37
MNG10-38R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49641	50/box	500	50	500	100	59.88	54.57	43.66
MNG10-55PX	Nylon Insulated w/Insulation Grip Pin Terminal	054007-49426	50/box	500	50	500	100	78.39	71.43	57.15
MNG10-250DMIX	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-11729	50/box	500	50	500	100	67.19	61.23	48.99
MNG10-250DMX	Nylon Insulated w/Insulation Grip Male Disconnect	054007-23938	50/box	500	50	500	100	61.29	55.85	44.69
MNG10-516R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49640	50/box	500	50	500	100	59.88	54.57	43.66
MNG10-610RX	Nylon Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-49646	50/box	500	50	500	100	56.13	51.14	40.93
MNG10BCMX	Nylon Insuulated Moisture Resistant w/Insulation Grip Butt Con	054007-11951	25/box	250	25	250	100	89.46	77.20	61.82
MNG10BCX	Nylon Insulated w/Insulation Grip Butt Connector	054007-24035	50/box	500	50	500	100	98.02	80.57	64.46
MNG14-4FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11717	100/box	500	100	500	100	48.98	44.62	35.71
MNG14-4R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49616	100/box	500	100	500	100	47.75	43.51	34.81
MNG14-6FB/SX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-49625	100/box	500	100	500	100	47.75	43.51	34.81
MNG14-6FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-22674	100/box	500	100	500	100	47.75	41.20	32.99
MNG14-6FFB/SX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49626	100/box	500	100	500	100	50.05	45.61	36.49
MNG14-6FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11718	100/box	500	100	500	100	48.98	44.62	35.71
MNG14-6FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-22583	100/box	500	100	500	100	47.75	41.20	32.99
MNG14-6R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-22468	100/box	500	100	500	100	47.75	41.20	32.99
MNG14-8FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-22682	100/box	500	100	500	100	48.17	39.60	31.68
MNG14-8FFBX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49627	100/box	500	100	500	100	50.05	45.61	36.49
MNG14-8FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11719	100/box	500	100	500	100	47.99	43.74	34.99
MNG14-8FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-22591	100/box	500	100	500	100	47.75	41.20	32.99
MNG14-8R/LX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-22476	100/box	500	100	500	100	47.75	41.20	32.99
MNG14-8R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49617	100/box	500	100	500	100	47.75	43.51	34.81
MNG14-8RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49618	100/box	500	100	500	100	47.75	43.51	34.81
MNG14-10FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-22690	100/box	500	100	500	100	47.75	41.20	32.99
MNG14-10FFBX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49628	100/box	500	100	500	100	50.05	45.61	36.49
MNG14-10FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11720	100/box	500	100	500	100	48.98	44.62	35.71
MNG14-10FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-22609	100/box	500	100	500	100	47.75	41.20	32.99
MNG14-10R/LX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-22484	100/box	500	100	500	100	48.17	39.60	31.68
MNG14-10RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49619	100/box	500	100	500	100	47.75	43.51	34.81
MNG14-14FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11721	100/box	500	100	500	100	58.50	53.30	42.65
MNG14-14R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-22492	100/box	500	100	500	100	51.99	44.87	35.92
MNG14-38RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49621	100/box	500	100	500	100	53.76	48.98	39.19
MNG14-47PX	Nylon Insulated w/Insulation Grip Pin Terminal	054007-49427	100/box	500	100	500	100	68.62	62.54	50.03
MNG14-110DFX	Nylon Insulated w/Insulation Grip Female Disconnect	054007-22898	100/box	500	100	500	100	50.76	43.80	35.08
MNG14-156DFIX	Nylon Insulated w/Insulation Grip Bullet Style Female Disconne	054007-11712	100/box	500	100	500	100	39.65	36.13	28.91
MNG14-156DMX	Nylon Insulated w/Insulation Grip Bullet Style Male Disconnect	054007-49634	100/box	500	100	500	100	39.07	35.60	28.49
MNG14-180DFIX	Nylon Insulated w/Insulation Grip Bullet Style Female Disconne	054007-11713	100/box	500	100	500	100	38.61	35.18	28.15
MNG14-187DFIX	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-11715	100/box	500	100	500	100	54.56	49.72	39.78
MNG14-187DFX	Nylon Insulated w/Insulation Grip Female Disconnect	054007-22914	100/box	500	100	500	100	50.76	43.80	35.08
MNG14-187DMIX	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-11722	100/box	500	100	500	100	57.31	52.22	41.79
MNG14-187DMX	Nylon Insulated w/Insulation Grip Male Disconnect	054007-23003	100/box	500	100	500	100	53.56	48.80	39.05
MNG14-250DFIX	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-11716	100/box	500	100	500	100	54.56	49.72	39.78

Boxed Terminals

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Inner Unit Pack	Case Qty	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
MNG14-250DFX	Nylon Insulated w/Insulation Grip Female Disconnect	054007-22930	100/box	500	100	500	100	50.32	41.36	33.10
MNG14-250DMIX	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-11723	100/box	500	100	500	100	57.31	52.22	41.79
MNG14-250DMX	Nylon Insulated w/Insulation Grip Male Disconnect	054007-23011	100/box	500	100	500	100	53.99	46.58	37.30
MNG14-516R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49620	100/box	500	100	500	100	53.76	48.98	39.19
MNG14-610RX	Nylon Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-49636	100/box	500	100	500	100	45.31	41.29	33.03
MNG14BCMX	Nylon Insulated Moisture Resistant w/Insulation Grip Butt Conn	054007-11950	25/box	250	25	250	100	75.62	65.25	52.25
MNG14BCX	Nylon Insulated w/Insulation Grip Butt Connector	054007-23128	100/box	500	100	500	100	82.53	67.84	54.28
MNG18-4FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11706	100/box	500	100	500	100	46.16	42.06	33.65
MNG18-4R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49595	100/box	500	100	500	100	47.75	43.51	34.81
MNG18-6FB/SX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-49603	100/box	500	100	500	100	47.75	43.51	34.81
MNG18-6FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-22013	100/box	500	100	500	100	47.75	41.20	32.99
MNG18-6FFB/SX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49604	100/box	500	100	500	100	50.05	45.61	36.49
MNG18-6FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11707	100/box	500	100	500	100	48.98	44.62	35.71
MNG18-6FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-21916	100/box	500	100	500	100	47.24	43.04	34.43
MNG18-6R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-21791	100/box	500	100	500	100	47.75	41.20	32.99
MNG18-8FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-22021	100/box	500	100	500	100	47.75	41.20	32.99
MNG18-8FFBX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49605	100/box	500	100	500	100	50.05	45.61	36.49
MNG18-8FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11708	100/box	500	100	500	100	48.98	44.62	35.71
MNG18-8FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-21924	100/box	500	100	500	100	47.24	43.04	34.43
MNG18-8R/LX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-21809	100/box	500	100	500	100	47.75	41.20	32.99
MNG18-10FBX	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-22039	100/box	500	100	500	100	47.75	41.20	32.99
MNG18-10FFBX	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-49606	100/box	500	100	500	100	50.05	45.61	36.49
MNG18-10FLX	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-11709	100/box	500	100	500	100	48.98	44.62	35.71
MNG18-10R/LX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-21817	100/box	500	100	500	100	47.75	41.20	32.99
MNG18-14R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49596	100/box	500	100	500	100	51.21	46.66	37.34
MNG18-38RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49598	100/box	500	100	500	100	51.21	46.66	37.34
MNG18-47PX	Nylon Insulated w/Insulation Grip Pin Terminal	054007-49428	100/box	500	100	500	100	68.62	62.54	50.03
MNG18-187DFIX	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-11704	100/box	500	100	500	100	54.56	49.72	39.78
MNG18-187DMIX	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-11710	100/box	500	100	500	100	57.31	52.22	41.79
MNG18-250DFIX	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-11705	100/box	500	100	500	100	54.56	49.72	39.78
MNG18-250DFX	Nylon Insulated w/Insulation Grip Female Disconnect	054007-02393	100/box	500	100	500	100	46.07	39.75	31.83
MNG18-250DMIX	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-11711	100/box	500	100	500	100	57.31	52.22	41.79
MNG18-250DMX	Nylon Insulated w/Insulation Grip Male Disconnect	054007-02365	100/box	500	100	500	100	53.56	48.80	39.05
MNG18-516R/SX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49597	100/box	500	100	500	100	53.76	48.98	39.19
MNG18-610RX	Nylon Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-49611	100/box	500	100	500	100	45.31	41.29	33.03
MNG18BCMX	Nylon Insulated Moisture Resistant w/Insulation Grip Butt Conn	054007-11949	25/box	250	25	250	100	75.62	65.25	52.25
MNG18BCX	Nylon Insulated w/Insulation Grip Butt Connector	054007-22203	100/box	500	100	500	100	82.53	67.84	54.28
MNG20-110/32DFX	Nylon Insulated w/Insulation Grip Female Disconnect	054007-49589	100/box	500	100	500	100	50.74	46.23	36.99
MNG24-4FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-11329	100/box	500	100	500	100	51.50	46.92	37.55
MNG24-4RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-11318	100/box	500	100	500	100	51.50	46.92	37.55
MNG24-6FX	Nylon Insulated w/Insulation Grip Fork Terminal	054007-11330	100/box	500	100	500	100	51.50	46.92	37.55
MNG24-6RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49587	100/box	500	100	500	100	51.50	46.92	37.55
MNG24-8RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-49588	100/box	500	100	500	100	51.50	46.92	37.55
MNG24-10RX	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-11321	100/box	500	100	500	100	51.50	46.92	37.55
MNG24BCX	Nylon Insulated w/Insulation Grip Butt Connector	054007-11356	100/box	500	100	500	100	82.53	75.20	60.17
MNGI10-250DFIX	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-09981	50/box	500	50	500	100	63.04	57.44	45.96
MNGI10-250DFX	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-09986	50/box	500	50	500	100	66.01	56.96	45.61
MNGI14-187DFIX	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-09982	100/box	500	100	500	100	51.75	47.15	37.73
MNGI14-187DFX	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-09987	100/box	500	100	500	100	52.53	45.33	36.30
MNGI14-250DFIX	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-09983	100/box	500	100	500	100	51.75	47.15	37.73
MNGI14-250DFX	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-09988	100/box	500	100	500	100	52.53	43.18	34.55
MNGI18-187DFIX	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-09984	100/box	500	100	500	100	49.38	45.00	36.00
MNGI18-187DFX	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-09989	100/box	500	100	500	100	50.16	45.71	36.57
MNGI18-250DFIX	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-09985	100/box	500	100	500	100	51.75	47.15	37.73
MNGI18-250DFX	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-09990	100/box	500	100	500	100	52.53	45.33	36.30
MNHU10-250DFIX	Fully Nylon Insulated Butted Seam Female H/S Disconnect (Boxed	054007-06314	25/bag	100	100	200	100	91.78	83.63	66.92
MNHU10-250DMIX	Fully Nylon Insulated Butted Seam Male H/S Disconnect (Boxed)	054007-06316	25/bag	100	100	200	100	91.78	83.63	66.92
MNHU14-250DFIX	Fully Nylon Insulated Butted Seam Female H/S Disconnect (Boxed	054007-06338	25/bag	100	100	200	100	84.52	77.02	61.62
MNHU14-250DMIX	Fully Nylon Insulated Butted Seam Male H/S Disconnect (Boxed)	054007-06340	25/bag	100	100	200	100	83.30	75.91	60.74
MNHU18-250DFIX	Fully Nylon Insulated Butted Seam Female H/S Disconnect (Boxed	054007-06354	25/bag	100	100	200	100	84.52	77.02	61.62
MNHU18-250DMIX	Fully Nylon Insulated Butted Seam Male H/S Disconnect (Boxed)	054007-06356	25/bag	100	100	200	100	83.30	75.91	60.74
MNI10-250DFIX	Fully Nylon Ins Butted Seam Fem Disc w/Interlocking Barrel	054007-09991	50/box	500	50	500	100	56.20	48.50	38.83
MNI14-187DFIX	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-09992	100/box	500	100	500	100	46.20	39.87	31.92
MNI14-250DFIX	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-09993	100/box	500	100	500	100	46.20	37.98	30.38
MNI18-187DFIX	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-09994	100/box	500	100	500	100	46.20	39.87	31.92

*MSDS Available

Effective Date: June 4, 2001

Boxed Terminals

3M Product Number	Description	Ordering UPC No.	Inner Unit Pack	Case Qty	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
MNI18-250DFIX	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-09995	100/box	500	100	500	100	46.20	39.87	31.92
MNU10-250DMIX	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02307	50/box	500	100	500	100	55.77	48.13	38.53
MNU14-187DFIX	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02387	100/box	500	100	500	100	39.12	33.75	27.03
MNU14-187DMIX	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02381	100/box	500	100	500	100	39.54	34.12	27.32
MNU14-250DFIX	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02287	100/box	500	100	500	100	43.08	35.41	28.33
MNU14-250DMIX	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02306	100/box	500	100	500	100	43.54	35.80	28.63
MNU18-187DFIX	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02353	100/box	500	100	500	100	39.12	33.75	27.03
MNU18-187DMIX	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02354	100/box	500	100	500	100	39.54	34.12	27.32
MNU18-250DFIX	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02286	100/box	500	100	500	100	42.67	36.82	29.49
MNU18-250DMIX	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02289	100/box	500	100	500	100	43.10	37.19	29.78
MU10-10RHTX	High Temperature Butted Seam Ring Tongue Terminal	054007-15637	50/box	500	50	500	100	40.25	34.74	27.82
MU10-55PX	Non-Insulated Pin Terminal	054007-49420	50/box	500	50	500	100	38.72	35.28	28.23
MU10-250DMX	Non-Insulated Butted Seam Male Disconnect	054007-23912	50/box	500	50	500	100	32.17	29.31	23.45
MU10BCHTX	High Temperature Butted Seam Butt Connector	054007-49645	50/box	500	50	500	100	43.19	39.35	31.49
MU14-6RHT/SX	High Temperature Butted Seam Ring Tongue Terminal	054007-49629	100/box	500	100	500	100	28.66	26.12	20.89
MU14-10RHTX	High Temperature Butted Seam Ring Tongue Terminal	054007-15629	100/box	500	100	500	100	28.66	24.73	19.81
MU14-14RHTX	High Temperature Butted Seam Ring Tongue Terminal	054007-49630	100/box	500	100	500	100	34.94	31.83	25.47
MU14-47PX	Non-Insulated Butted Seam Pin Terminal	054007-49421	100/box	500	100	500	100	24.21	22.06	17.65
MU14-110DFX	Non-Insulated Butted Seam Female Disconnect	054007-22815	100/box	500	100	500	100	26.60	24.24	19.40
MU14-187DF/FLAGX	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-22948	100/box	500	100	500	100	31.40	28.61	22.90
MU14-187DFX	Non-Insulated Butted Seam Female Disconnect	054007-22831	100/box	500	100	500	100	26.60	24.24	19.40
MU14-250DF/FLAGX	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-22955	100/box	500	100	500	100	29.12	25.13	20.13
MU14-250DFHTX	High Temperature Butted Seam Female Disconnect	054007-49632	100/box	500	100	500	100	34.27	31.22	24.98
MU14-250DFX	Non-Insulated Butted Seam Female Disconnect	054007-22849	100/box	500	100	500	100	26.82	22.05	17.65
MU14-250DMHTX	High Temperature Butted Seam Male Disconnect	054007-49633	100/box	500	100	500	100	38.45	35.03	28.03
MU14-250DMX	Non-Insulated Butted Seam Male Disconnect	054007-22971	100/box	500	100	500	100	27.63	25.18	20.15
MU14BCHTX	High Temperature Butted Seam Butt Connector	054007-49631	100/box	500	100	500	100	29.73	27.08	21.67
MU18-6RHT/SX	High Temperature Butted Seam Ring Tongue Terminal	054007-49607	100/box	500	100	500	100	28.66	26.12	20.89
MU18-10RHTX	High Temperature Butted Seam Ring Tongue Terminal	054007-49608	100/box	500	100	500	100	28.66	26.12	20.89
MU18-47PX	Non-Insulated Butted Seam Pin Terminal	054007-49422	100/box	500	100	500	100	24.21	22.06	17.65
MU18-187DF/FLAGX	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-22138	100/box	500	100	500	100	31.40	28.61	22.90
MU18-250DF/FLAGX	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-22146	100/box	500	100	500	100	31.40	28.61	22.90
MU18-250DFX	Non-Insulated Butted Seam Female Disconnect	054007-16725	100/box	500	100	500	100	26.60	24.24	19.40
MU18BCHTX	High Temperature Butted Seam Butt Connector	054007-49609	100/box	500	100	500	100	29.73	27.08	21.67
MV6BCX	Vinyl Insulated Brazed Seam Butt Connector	054007-49647	20/box	200	20	200	100	144.22	131.42	105.15
MV8BCX	Vinyl Insulated Brazed Seam Butt Connector	054007-15678	25/box	250	25	250	100	104.50	90.18	72.21
MV10-6FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-23698	50/box	500	50	500	100	42.11	36.34	29.10
MV10-6FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13948	50/box	500	50	500	100	45.38	37.30	29.85
MV10-6FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-23607	50/box	500	50	500	100	42.11	36.34	29.10
MV10-6RX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-23334	50/box	500	50	500	100	42.11	36.34	29.10
MV10-8FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-23706	50/box	500	50	500	100	42.49	34.93	27.95
MV10-8FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13955	50/box	500	50	500	100	45.38	37.30	29.85
MV10-8FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-23615	50/box	500	50	500	100	42.49	34.93	27.95
MV10-8RX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-23342	50/box	500	50	500	100	42.49	34.93	27.95
MV10-10FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-23714	50/box	500	50	500	100	42.49	34.93	27.95
MV10-10FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13963	50/box	500	50	500	100	45.38	37.30	29.85
MV10-10FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-23623	50/box	500	50	500	100	42.49	34.93	27.95
MV10-10RX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-23359	50/box	500	50	500	100	42.49	34.93	27.95
MV10-12RX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-23409	50/box	500	50	500	100	77.70	70.80	56.65
MV10-14FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13971	50/box	500	50	500	100	54.27	44.61	35.70
MV10-14R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-23367	50/box	500	50	500	100	50.32	41.36	33.10
MV10-38R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-49639	50/box	500	50	500	100	50.32	45.84	36.68
MV10-516R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-23375	50/box	500	50	500	100	49.87	43.04	34.46
MV10-610RX	Vinyl Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-14127	50/box	500	50	500	100	47.68	39.19	31.36
MV10BCX	Vinyl Insulated Seamless Butt Connector	054007-24027	50/box	500	50	500	100	49.36	40.57	32.46
MV14-4FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13898	100/box	500	100	500	100	33.37	27.43	21.95
MV14-4R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-22369	100/box	500	100	500	100	32.79	26.96	21.56
MV14-6FB/SX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-49624	100/box	500	100	500	100	31.84	29.01	23.21
MV14-6FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-22641	100/box	500	100	500	100	32.79	26.96	21.56
MV14-6FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13906	100/box	500	100	500	100	33.37	27.43	21.95
MV14-6FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-22559	100/box	500	100	500	100	32.79	26.96	21.56
MV14-6R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-22377	100/box	500	100	500	100	32.79	26.96	21.56
MV14-8FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-22658	100/box	500	100	500	100	32.79	26.96	21.56
MV14-8FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13914	100/box	500	100	500	100	33.37	27.43	21.95
MV14-8FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-22567	100/box	500	100	500	100	32.79	26.96	21.56

Boxed Terminals

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Inner Unit Pack	Case Qty	Qty 1 (units)	Qty 2 (units)	Price Per	(31) List Price	(32) Qty 1 Price	(33) Qty 2 Price
MV14-8R/LX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-22385	100/box	500	100	500	100	32.79	26.96	21.56
MV14-10FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-22666	100/box	500	100	500	100	32.79	26.96	21.56
MV14-10FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13922	100/box	500	100	500	100	33.87	27.43	21.95
MV14-10FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-22575	100/box	500	100	500	100	32.79	26.96	21.56
MV14-10R/LX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-22393	100/box	500	100	500	100	32.79	26.96	21.56
MV14-14FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13940	100/box	500	100	500	100	38.72	31.83	25.47
MV14-14R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-22401	100/box	500	100	500	100	39.90	32.80	26.24
MV14-38RX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-22427	100/box	500	100	500	100	39.52	34.10	27.31
MV14-516R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-49615	100/box	500	100	500	100	39.90	36.36	29.09
MV14-610RX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-14119	100/box	500	100	500	100	34.89	28.68	22.95
MV14BCX	Vinyl Insulated Seamless Butt Connector	054007-23110	100/box	500	100	500	100	33.98	27.93	22.35
MV18-4FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13856	100/box	500	100	500	100	33.37	27.43	21.95
MV18-4R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-21700	100/box	500	100	500	100	32.48	28.02	22.44
MV18-6FB/SX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-49602	100/box	500	100	500	100	32.79	29.88	23.91
MV18-6FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-21973	100/box	500	100	500	100	32.79	26.96	21.56
MV18-6FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13864	100/box	500	100	500	100	33.37	27.43	21.95
MV18-6FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-21882	100/box	500	100	500	100	32.48	28.02	22.44
MV18-6R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-21718	100/box	500	100	500	100	32.48	28.02	22.44
MV18-8FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-21999	100/box	500	100	500	100	32.79	26.96	21.56
MV18-8FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13872	100/box	500	100	500	100	33.37	27.43	21.95
MV18-8FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-21890	100/box	500	100	500	100	32.79	26.96	21.56
MV18-8R/LX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-21726	100/box	500	100	500	100	32.79	26.96	21.56
MV18-10FBX	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-22005	100/box	500	100	500	100	32.48	28.02	22.44
MV18-10FLX	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13890	100/box	500	100	500	100	32.39	26.63	21.30
MV18-10FX	Vinyl Insulated Brazed Seam Fork Terminal	054007-21908	100/box	500	100	500	100	32.48	28.02	22.44
MV18-10R/LX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-21734	100/box	500	100	500	100	32.79	26.96	21.56
MV18-14R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-21742	100/box	500	100	500	100	39.52	34.10	27.31
MV18-38RX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-21767	100/box	500	100	500	100	39.52	34.10	27.31
MV18-516R/SX	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-49594	100/box	500	100	500	100	39.52	36.01	28.82
MV18-610RX	Vinyl Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-14093	100/box	500	100	500	100	34.89	28.68	22.95
MV18BCX	Vinyl Insulated Seamless Butt Connector	054007-22195	100/box	500	100	500	100	33.98	27.93	22.35
MVA250DMMIX	Vinyl Insulated Double Male Disconnect Adapter	054007-24308	25/box	250	25	250	100	52.13	47.49	38.01
MVI10-250DFX	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-09998	50/box	500	50	500	100	55.02	45.23	36.19
MVI14-187DFX	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-09999	100/box	500	100	500	100	42.64	35.05	28.04
MVI14-250DFX	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-69556	100/box	500	100	500	100	41.82	34.37	27.50
MVI18-187DFX	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-09996	100/box	500	100	500	100	42.64	35.05	28.04
MVI18-250DFX	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-09997	100/box	500	100	500	100	42.64	35.05	28.04
MVU10-10RX	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-11932	-	500			100	17.50	14.38	11.51
MVU10-55PX	Vinyl Insulated Pin Terminal	054007-49432	50/box	500	50	500	100	58.65	53.45	42.76
MVU10-250DMX	Vinyl Insulated Butted Seam Male Disconnect	054007-23920	50/box	500	50	500	100	51.12	44.11	35.32
MVU10BCX	Vinyl Insulated Brazed Seam Butt Connector	054007-11939	50/box	500	50	500	100	14.03	11.42	10.25
MVU10PCX	Vinyl Insulated Butted Seam Parallel Connector	054007-24050	50/box	500	50	500	100	47.33	43.13	34.51
MVU14-47PX	Vinyl Insulated Pin Terminal	054007-49433	100/box	500	100	500	100	42.30	38.55	30.84
MVU14-110DFX	Vinyl Insulated Butted Seam Female Disconnect	054007-22856	100/box	500	100	500	100	40.38	33.19	26.56
MVU14-156DMX	Vinyl Insulated Butted Seam Bullet Style Male Disconnect	054007-06108	100/box	500	100	500	100	30.06	25.93	20.76
MVU14-180DMX	Vinyl Insulated Butted Seam Bullet Style Male Disconnect	054007-23094	100/box	500	100	500	100	29.47	25.42	20.36
MVU14-187DFX	Vinyl Insulated Butted Seam Female Disconnect	054007-22872	100/box	500	100	500	100	40.38	33.19	26.56
MVU14-187DMX	Vinyl Insulated Butted Seam Male Disconnect	054007-22989	100/box	500	100	500	100	41.12	35.48	28.42
MVU14-250DFX	Vinyl Insulated Butted Seam Female Disconnect	054007-22880	100/box	500	100	500	100	37.07	30.48	24.38
MVU14-250DMFX	Vinyl Insulated Butted Seam Multi-Stack Disconnect	054007-11714	100/box	500	100	500	100	44.78	40.81	32.65
MVU14-250DMX	Vinyl Insulated Butted Seam Male Disconnect	054007-22997	100/box	500	100	500	100	41.61	34.20	27.37
MVU14BCX	Vinyl Insulated Brazed Seam Butt Connector	054007-11928	100/box	500	100	500	100	10.09	8.21	7.37
MVU14PCX	Vinyl Insulated Butted Seam Parallel Connector	054007-23144	100/box	500	100	500	100	41.65	37.95	30.37
MVU18-47PX	Vinyl Insulated Pin Terminal	054007-49434	-	500	100	500	100	42.30	38.55	30.84
MVU18-250DFX	Vinyl Insulated Butted Seam Female Disconnect	054007-11820	100/box	500	100	500	100	40.38	33.19	26.56
MVU18-250DMFX	Vinyl Insulated Butted Seam Multi-Stack Disconnect	054007-11703	100/box	500	100	500	100	44.78	40.81	32.65
MVU18-250DMX	Vinyl Insulated Butted Seam Male Disconnect	054007-11822	100/box	500	100	500	100	43.02	37.12	29.72
MVU18BCX	Vinyl Insulated Butted Seam Butt Connector	054007-11920	-	500			100	13.13	10.79	8.63
STK-1	Terminal Assortment Kit	051138-25348	-	1	1		each	150.00	93.75	
TH-440	Crimping Tool	054007-60825	1/box	10	1		pack	21.35	13.34	
TH-450	Crimping Tool	054007-13760	1/box	10	1		each	37.17	23.23	
TR-482	Ratchet Tool	054007-11902	1/box	1	1		each	236.44	147.77	
TR-490	Ratchet Tool	054007-70481	1/box	1	1		each	174.71	109.20	

*MSDS Available

Effective Date: June 4, 2001

Bulk Terminals

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
901	IDC Bullet Receptacle Connector (5000/Bulk Box)	054007-06107	1	ctns	750.76	603.00	
951K	Self-Strip T-Tap	054007-12313	1000	1000	152.61	122.15	93.77
952K	Self-Strip T-Tap	054007-08428	1000	1000	152.61	122.15	93.77
953K	Self-Strip T-Tap	054007-12315	1000	1000	164.35	131.54	100.98
972K	Fuse Holder	054007-06172	1000	1000	599.15	479.56	368.13
M4-10RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02176	200	1000	630.27	504.47	387.26
M4-12R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02182	200	1000	630.27	504.47	387.26
M4-14RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02177	200	1000	630.27	504.47	387.26
M4-38RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02179	200	1000	630.27	504.47	387.26
M4-516RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02178	200	1000	630.27	504.47	387.26
M4BCK	Non-Insulated Brazed Seam Butt Connector	054007-02197	200	1000	819.33	655.80	503.42
M4PCK	Non-Insulated Brazed Seam Parallel Connector	054007-02199	200	1000	509.00	407.40	312.74
M6-10R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02147	200	1000	443.97	355.35	272.79
M6-12R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02155	200	1000	602.65	482.36	370.28
M6-14R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02149	200	1000	443.97	355.35	272.79
M6-38RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02152	200	1000	449.66	359.91	276.28
M6-516RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02151	200	1000	449.66	359.91	276.28
M6BCK	Non-Insulated Brazed Seam Butt Connector	054007-02172	200	1000	786.92	629.86	483.51
M6PCK	Non-Insulated Brazed Seam Parallel Connector	054007-02174	200	1000	363.37	290.83	223.26
M8-10R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02118	200	1000	281.85	225.59	173.17
M8-12R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02126	200	1000	496.94	397.76	305.33
M8-14R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02120	200	1000	281.85	225.59	173.17
M8-38RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02123	200	1000	393.39	314.87	241.71
M8-516RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-02122	200	1000	393.39	314.87	241.71
M8BCK	Non-Insulated Brazed Seam Butt Connector	054007-02143	200	1000	430.49	344.56	264.51
M8PCK	Non-Insulated Brazed Seam Parallel Connector	054007-02145	200	1000	245.88	196.80	151.08
M10-4R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01890	500	1000	139.70	111.82	85.84
M10-6FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-02008	500	1000	139.70	111.82	85.84
M10-6FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-02026	500	1000	157.14	125.77	96.55
M10-6FK	Non-Insulated Brazed Seam Fork Terminal	054007-01972	500	1000	139.70	111.82	85.84
M10-6FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13817	500	1000	148.55	118.90	91.28
M10-6RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01892	500	1000	139.70	111.82	85.84
M10-8FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-02009	500	1000	139.70	111.82	85.84
M10-8FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-02027	500	1000	157.14	125.77	96.55
M10-8FK	Non-Insulated Brazed Seam Fork Terminal	054007-01973	500	1000	139.70	111.82	85.84
M10-8FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13824	500	1000	148.55	118.90	91.28
M10-8RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01894	500	1000	139.70	111.82	85.84
M10-10FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-02010	500	1000	139.70	111.82	85.84
M10-10FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-02028	500	1000	157.14	125.77	96.55
M10-10FK	Non-Insulated Brazed Seam Fork Terminal	054007-01974	500	1000	139.70	111.82	85.84
M10-10FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13832	500	1000	148.55	118.90	91.28
M10-10RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-14002	500	1000	139.70	111.82	85.84
M10-12RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01903	500	1000	270.62	216.61	166.28
M10-14FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13850	500	1000	183.27	146.69	112.61
M10-14R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01896	500	1000	162.05	129.71	99.58
M10-38R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01900	500	1000	162.05	129.71	99.58
M10-516R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01898	500	1000	162.05	129.71	99.58
M10BCK	Non-Insulated Brazed Seam Butt Connector	054007-02077	500	1000	153.41	122.78	94.25
M10PCK	Non-Insulated Brazed Seam Parallel Connector	054007-02083	500	1000	78.86	63.12	48.45
M14-2R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01379	1000	1000	88.33	70.70	54.27
M14-4FB/SK	Non-Insulated Brazed Seam Block Fork Terminal	054007-02265	1000	1000	88.33	70.70	54.27
M14-4FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13765	1000	1000	104.94	84.00	64.48
M14-4R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01380	1000	1000	88.33	70.70	54.27
M14-6FB/SK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01568	1000	1000	88.33	70.70	54.27
M14-6FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01569	1000	1000	88.33	70.70	54.27
M14-6FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-01617	1000	1000	99.37	79.55	61.06
M14-6FK	Non-Insulated Brazed Seam Fork Terminal	054007-01516	1000	1000	88.33	70.70	54.27
M14-6FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13775	1000	1000	104.94	84.00	64.48
M14-6R/LK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01384	1000	1000	88.33	70.70	54.27
M14-6R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01382	1000	1000	88.33	70.70	54.27
M14-8FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01570	1000	1000	88.33	70.70	54.27
M14-8FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-01618	1000	1000	99.37	79.55	61.06
M14-8FK	Non-Insulated Brazed Seam Fork Terminal	054007-01518	1000	1000	88.33	70.70	54.27
M14-8FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13782	1000	1000	104.94	84.00	64.48
M14-8R/LK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-13880	1000	1000	88.33	70.70	54.27

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
M14-10FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01571	1000	1000	88.33	70.70	54.27
M14-10FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-01619	1000	1000	99.37	79.55	61.06
M14-10FK	Non-Insulated Brazed Seam Fork Terminal	054007-01520	1000	1000	88.33	70.70	54.27
M14-10FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13800	1000	1000	104.94	84.00	64.48
M14-10R/LK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01389	1000	1000	88.33	70.70	54.27
M14-10RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-13929	1000	1000	88.33	70.70	54.27
M14-14FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13808	1000	1000	120.14	96.17	73.82
M14-14R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01390	1000	1000	119.97	96.03	73.71
M14-516R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01392	1000	1000	112.82	90.30	69.32
M14BCK	Non-Insulated Brazed Seam Butt Connector	054007-01816	1000	1000	102.22	81.82	62.81
M14PCK	Non-Insulated Brazed Seam Parallel Connector	054007-01823	1000	1000	63.48	50.81	39.00
M18-4FB/SK	Non-Insulated Brazed Seam Block Fork Terminal	054007-02248	1000	1000	88.33	70.70	54.27
M18-4FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13725	1000	1000	104.94	84.00	64.48
M18-4R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01014	1000	1000	88.33	70.70	54.27
M18-6FB/SK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01202	1000	1000	88.33	70.70	54.27
M18-6FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01203	1000	1000	88.33	70.70	54.27
M18-6FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-01251	1000	1000	99.37	79.55	61.06
M18-6FK	Non-Insulated Brazed Seam Fork Terminal	054007-01150	1000	1000	88.33	70.70	54.27
M18-6FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13733	1000	1000	104.94	84.00	64.48
M18-6R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01016	1000	1000	88.33	70.70	54.27
M18-8FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01204	1000	1000	88.33	70.70	54.27
M18-8FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-01252	1000	1000	99.37	79.55	61.06
M18-8FK	Non-Insulated Brazed Seam Fork Terminal	054007-01152	1000	1000	88.33	70.70	54.27
M18-8FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13751	1000	1000	104.94	84.00	64.48
M18-8R/LK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01021	1000	1000	88.33	70.70	54.27
M18-10FBK	Non-Insulated Brazed Seam Block Fork Terminal	054007-01205	1000	1000	88.33	70.70	54.27
M18-10FFBK	Non-Insulated Brazed Seam Block Flanged Fork Terminal	054007-01253	1000	1000	99.37	79.55	61.06
M18-10FK	Non-Insulated Brazed Seam Fork Terminal	054007-01154	1000	1000	88.33	70.70	54.27
M18-10FLK	Non-Insulated Brazed Seam Locking Fork Terminal	054007-13758	1000	1000	104.94	84.00	64.48
M18-10R/LK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01023	1000	1000	88.33	70.70	54.27
M18-14R/SK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01024	1000	1000	119.97	96.03	73.71
M18-38RK	Non-Insulated Brazed Seam Ring Tongue Terminal	054007-01028	1000	1000	119.19	95.39	73.23
M18BCK	Non-Insulated Brazed Seam Butt Connector	054007-01311	1000	1000	102.22	81.82	62.81
MA250DM/6RRK	Non-Insulated Double Male Ring Rectangular Tongue	054007-02225	500	1000	70.34	56.31	43.22
MA250DM/8RRK	Non-Insulated Double Male Ring Rectangular Tongue	054007-02226	500	1000	70.34	56.31	43.22
MA250DM/10RRK	Non-Insulated Double Male Ring Rectangular Tongue	054007-02227	500	1000	70.34	56.31	43.22
MA250DM/FUSEK	Non-Insulated Double Male Fuse Adapter Clip	054007-02269	500	1000	101.57	81.29	62.41
MA250DMFMK	Non-Insulated Double Male-Female Multi-Stack Adapter	054007-02221	500	1000	171.25	137.07	105.22
MA250DMMFK	Non-Insulated Double Male-Female Multi-Stack Adapter	054007-02273	500	1000	115.38	92.36	70.89
MH10-8FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06358	250	1000	720.39	576.60	474.73
MH10-8RK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06303	250	1000	695.56	556.73	458.37
MH10-10FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06308	250	1000	720.39	576.60	474.73
MH10-10RK	Brazed Seam Ring Heat Shrink Tongue Terminal (Bulk)	054007-06306	250	1000	695.56	556.73	458.37
MH10-14FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06311	250	1000	794.93	636.27	523.86
MH10-14RK	Brazed Seam Ring Heat Shrink Tongue Terminal (Bulk)	054007-06359	250	1000	770.08	616.38	507.48
MH10-38RK	Brazed Seam Ring Heat Shrink Tongue Terminal (Bulk)	054007-06313	250	1000	770.08	616.38	507.48
MH10BCK	Seamless Butt Heat Shrink Connector (Bulk)	054007-06301	250	1000	869.45	695.91	572.97
MH14-6FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06323	250	1000	571.37	457.32	376.53
MH14-6R/LK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06321	250	1000	571.37	457.32	376.53
MH14-8FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06360	250	1000	571.37	457.32	376.53
MH14-8R/LK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06325	250	1000	571.37	457.32	376.53
MH14-10FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06329	250	1000	571.37	457.32	376.53
MH14-10R/LK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06327	250	1000	571.37	457.32	376.53
MH14-14FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06333	250	1000	621.04	497.08	409.27
MH14-14R/SK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06331	250	1000	621.04	497.08	409.27
MH14-38RK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06335	250	1000	621.04	497.08	409.27
MH14-516R/SK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06337	250	1000	621.04	497.08	409.27
MH14BCK	Seamless Butt Heat Shrink Connector (Bulk)	054007-06319	250	1000	799.91	640.25	527.14
MH18-6FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06347	250	1000	571.37	457.32	376.53
MH18-6R/LK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06345	250	1000	571.37	457.32	376.53
MH18-8FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06362	250	1000	571.37	457.32	376.53
MH18-8R/LK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06349	250	1000	571.37	457.32	376.53
MH18-10FLK	Locking Fork Brazed Seam Heat Shrink Terminal (Bulk)	054007-06353	250	1000	571.37	457.32	376.53
MH18-10R/LK	Brazed Seam Ring Tongue Heat Shrink Terminal (Bulk)	054007-06351	250	1000	571.37	457.32	376.53
MH18BCK	Seamless Butt Heat Shrink Connector (Bulk)	054007-06343	250	1000	799.91	640.25	527.14

*MSDS Available

Bulk Terminals

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MI10-250DFK	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-69557	500	1000	212.47	170.05	130.54
MI14-187DFK	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-69558	1000	1000	134.45	107.62	82.61
MI14-250DFK	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-69559	1000	1000	134.45	107.62	82.61
MI18-187DFK	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-69560	1000	1000	134.45	107.62	82.61
MI18-250DFK	Non-Insulated Butted Seam Female Disconnect w/Interlocking Bar	054007-69561	1000	1000	134.45	107.62	82.61
MN4-10RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08277	200	1000	704.06	563.54	432.59
MN4-12R/SK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08281	200	1000	704.06	563.54	432.59
MN4-14RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08278	200	1000	704.06	563.54	432.59
MN4-38RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08280	200	1000	704.06	563.54	432.59
MN4-516RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08279	200	1000	704.06	563.54	432.59
MN6-10R/SK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08272	200	1000	535.84	428.89	329.23
MN6-12R/SK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08276	200	1000	616.22	493.23	378.62
MN6-14R/SK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08273	200	1000	535.84	428.89	329.23
MN6-38RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08275	200	1000	540.88	432.93	332.34
MN6-516RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08274	200	1000	540.88	432.93	332.34
MN8-10R/SK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08267	200	1000	373.51	298.97	229.50
MN8-12R/SK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08271	200	1000	570.08	456.29	350.28
MN8-14R/SK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08268	200	1000	373.51	298.97	229.50
MN8-38RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08270	200	1000	502.04	401.83	308.47
MN8-516RK	Nylon Insulated Brazed Seam Ring Tongue Terminal	054007-08269	200	1000	502.04	401.83	308.47
MN10BCK	Nylon Insulated Seamless Butt Connector	054007-02080	500	1000	267.90	214.42	164.60
MN10CEC/STK	Nylon Insulated Closed End Connector	054007-01821	1000	1000	125.50	100.46	77.12
MN14BCK	Nylon Insulated Seamless Butt Connector	054007-01819	1000	1000	206.58	165.35	126.93
MN14CEC/STK	Nylon Insulated Closed End Connector	054007-01316	1000	1000	94.06	75.28	57.79
MN18BCK	Nylon Insulated Seamless Butt Connector	054007-15983	1000	1000	206.58	165.35	126.93
MNG10-4R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01932	500	1000	291.15	233.03	178.88
MNG10-6FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-02017	500	1000	291.15	233.03	178.88
MNG10-6FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-02035	500	1000	297.54	238.15	182.82
MNG10-6FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01981	500	1000	271.79	217.54	166.99
MNG10-6FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-02106	500	1000	305.27	244.34	187.57
MNG10-6RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01934	500	1000	291.15	233.03	178.88
MNG10-8FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-02018	500	1000	291.15	233.03	178.88
MNG10-8FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-02036	500	1000	297.54	238.15	182.82
MNG10-8FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01982	500	1000	271.79	217.54	166.99
MNG10-8FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-02107	500	1000	288.01	230.53	176.96
MNG10-8RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01936	500	1000	291.15	233.03	178.88
MNG10-10FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-02019	500	1000	291.15	233.03	178.88
MNG10-10FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-02037	500	1000	297.54	238.15	182.82
MNG10-10FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01983	500	1000	271.79	217.54	166.99
MNG10-10FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-02108	500	1000	305.27	244.34	187.57
MNG10-10RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01937	500	1000	291.15	233.03	178.88
MNG10-14FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-02109	500	1000	350.98	280.93	215.65
MNG10-14R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01938	500	1000	319.93	256.07	196.58
MNG10-38R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01942	500	1000	319.93	256.07	196.58
MNG10-55PK	Nylon Insulated w/Insulation Grip Pin Terminal	054007-49423	500	1000	444.06	355.43	272.84
MNG10-156DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-02074	500	1000	291.15	233.03	178.88
MNG10-250DMIK	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-02303	500	1000	354.91	284.07	218.07
MNG10-250DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-02058	500	1000	253.01	202.51	155.45
MNG10-375DFK	Nylon Insulated w/Insulation Grip Female Disconnect	054007-02053	500	1000	354.98	284.13	218.11
MNG10-516R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01940	500	1000	319.93	256.07	196.58
MNG10-610RK	Nylon Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-02100	500	1000	345.62	276.64	212.36
MNG10BCK	Nylon Insulated w/Insulation Grip Butt Connector	054007-15967	500	1000	491.96	393.76	302.27
MNG10BCMK	Nylon Insuulated Moisture Resistant w/Insulation Grip Butt Con	054007-08406	500	1000	891.97	713.93	548.05
MNG14-4FB/SK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-02262	1000	1000	208.80	167.12	128.29
MNG14-4FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01866	1000	1000	225.49	180.48	138.55
MNG14-4R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01428	1000	1000	208.80	167.12	128.29
MNG14-6FB/SK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01580	1000	1000	208.80	167.12	128.29
MNG14-6FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01581	1000	1000	208.80	167.12	128.29
MNG14-6FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-01629	1000	1000	241.57	193.35	148.42
MNG14-6FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01534	1000	1000	208.80	167.12	128.29
MNG14-6FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01867	1000	1000	225.49	180.48	138.55
MNG14-6R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01430	1000	1000	208.80	167.12	128.29
MNG14-8FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01582	1000	1000	208.80	167.12	128.29
MNG14-8FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-01630	1000	1000	241.57	193.35	148.42
MNG14-8FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01536	1000	1000	208.80	167.12	128.29

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MNG14-8FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01868	1000	1000	225.49	180.48	138.55
MNG14-8R/LK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01435	1000	1000	208.80	167.12	128.29
MNG14-8R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01433	1000	1000	208.80	167.12	128.29
MNG14-8RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01434	1000	1000	208.80	167.12	128.29
MNG14-10FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01583	1000	1000	208.80	167.12	128.29
MNG14-10FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-01631	1000	1000	241.57	193.35	148.42
MNG14-10FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01538	1000	1000	208.80	167.12	128.29
MNG14-10FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01869	1000	1000	225.49	180.48	138.55
MNG14-10R/LK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01437	1000	1000	208.80	167.12	128.29
MNG14-10RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-14150	1000	1000	208.80	167.12	128.29
MNG14-14FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01870	1000	1000	266.06	212.95	163.48
MNG14-14R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01438	1000	1000	257.19	205.85	158.02
MNG14-38RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01442	1000	1000	274.11	219.40	168.42
MNG14-47PK	Nylon Insulated w/Insulation Grip Pin Terminal	054007-49424	1000	1000	323.58	259.00	198.81
MNG14-110DFK	Nylon Insulated w/Insulation Grip Female Disconnect	054007-01772	1000	1000	238.28	190.72	146.40
MNG14-156DFIK	Nylon Insulated w/Insulation Grip Bullet Style Female Disconne	054007-01782	1000	1000	305.70	244.68	187.82
MNG14-156DMK	Nylon Insulated w/Insulation Grip Bullet Style Male Disconnect	054007-01811	1000	1000	220.57	176.55	135.53
MNG14-180DFIK	Nylon Insulated w/Insulation Grip Bullet Style Female Disconne	054007-02268	1000	1000	301.26	241.14	185.11
MNG14-180DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-01812	1000	1000	220.57	176.55	135.53
MNG14-187DFIK	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-15975	1000	1000	254.40	203.62	156.31
MNG14-187DFK	Nylon Insulated w/Insulation Grip Female Disconnect	054007-01773	1000	1000	196.05	156.92	120.46
MNG14-187DMIK	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-02386	1000	1000	284.51	227.72	174.81
MNG14-187DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-01787	1000	1000	208.80	167.12	128.29
MNG14-250DFIK	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-01841	1000	1000	254.40	203.62	156.31
MNG14-250DFK	Nylon Insulated w/Insulation Grip Female Disconnect	054007-01774	1000	1000	196.05	156.92	120.46
MNG14-250DMFK	Nylon Insulated w/Insulation Grip Male-Female Disconnect	054007-01837	1000	1000	352.99	282.54	216.89
MNG14-250DMIK	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-02249	1000	1000	284.51	227.72	174.81
MNG14-250DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-01788	1000	1000	208.80	167.12	128.29
MNG14-516R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01440	1000	1000	274.11	219.40	168.42
MNG14-610RK	Nylon Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-01853	1000	1000	257.16	205.84	158.01
MNG14BCK	Nylon Insulated w/Insulation Grip Butt Connector	054007-01818	1000	1000	410.66	328.70	252.32
MNG14BCMK	Nylon Insulated Moisture Resistant w/Insulation Grip Butt Conn	054007-08405	1000	1000	683.99	547.47	420.26
MNG18-4FB/SK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-02261	1000	1000	208.80	167.12	128.29
MNG18-4FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01355	1000	1000	225.49	180.48	138.55
MNG18-4R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01062	1000	1000	208.80	167.12	128.29
MNG18-6FB/SK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01214	1000	1000	208.80	167.12	128.29
MNG18-6FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01215	1000	1000	208.80	167.12	128.29
MNG18-6FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-01263	1000	1000	241.57	193.35	148.42
MNG18-6FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01168	1000	1000	208.80	167.12	128.29
MNG18-6FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01356	1000	1000	225.49	180.48	138.55
MNG18-6R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-16163	1000	1000	208.80	167.12	128.29
MNG18-8FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01216	1000	1000	208.80	167.12	128.29
MNG18-8FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-01264	1000	1000	241.57	193.35	148.42
MNG18-8FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01170	1000	1000	208.80	167.12	128.29
MNG18-8FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01357	1000	1000	225.49	180.48	138.55
MNG18-8R/LK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01069	1000	1000	208.80	167.12	128.29
MNG18-10FBK	Nylon Insulated w/Insulation Grip Block Fork Terminal	054007-01217	1000	1000	208.80	167.12	128.29
MNG18-10FFBK	Nylon Insulated w/Insulation Grip Flanged Block Fork Terminal	054007-01265	1000	1000	241.57	193.35	148.42
MNG18-10FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-01172	1000	1000	208.80	167.12	128.29
MNG18-10FLK	Nylon Insulated w/Insulation Grip Locking Fork Terminal	054007-01358	1000	1000	225.49	180.48	138.55
MNG18-10R/LK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01071	1000	1000	208.80	167.12	128.29
MNG18-14R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01072	1000	1000	257.19	205.85	158.02
MNG18-38RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01076	1000	1000	274.11	219.40	168.42
MNG18-47PK	Nylon Insulated w/Insulation Grip Pin Terminal	054007-49425	1000	1000	323.58	259.00	198.81
MNG18-156DFIK	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-01305	1000	1000	305.70	244.68	187.82
MNG18-156DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-02240	1000	1000	220.57	176.55	135.53
MNG18-180DFIK	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-02254	1000	1000	305.70	244.68	187.82
MNG18-180DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-02241	1000	1000	220.57	176.55	135.53
MNG18-187DFIK	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-11816	1000	1000	254.40	203.62	156.31
MNG18-187DFK	Nylon Insulated w/Insulation Grip Female Disconnect	054007-02405	1000	1000	196.05	156.92	120.46
MNG18-187DMIK	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-11794	1000	1000	284.51	227.72	174.81
MNG18-187DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-02377	1000	1000	208.80	167.12	128.29
MNG18-250DFIK	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-02293	1000	1000	254.40	203.62	156.31
MNG18-250DFK	Nylon Insulated w/Insulation Grip Female Disconnect	054007-02369	1000	1000	196.05	156.92	120.46
MNG18-250DMFK	Nylon Insulated w/Insulation Grip Male-Female Disconnect	054007-01331	1000	1000	352.99	282.54	216.89

Bulk Terminals

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MNG18-250DMIK	Fully Nylon Insulated w/Insulation Grip Male Disconnect	054007-02302	1000	1000	284.51	227.72	174.81
MNG18-250DMK	Nylon Insulated w/Insulation Grip Male Disconnect	054007-02378	1000	1000	208.80	167.12	128.29
MNG18-516R/SK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-01074	1000	1000	274.11	219.40	168.42
MNG18-610RK	Nylon Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-01344	1000	1000	257.16	205.84	158.01
MNG18BCK	Nylon Insulated w/Insulation Grip Butt Connector	054007-01313	1000	1000	410.66	328.70	252.32
MNG18BCMK	Nylon Insulated Moisture Resistant w/Insulation Grip Butt Conn	054007-08404	1000	1000	683.99	547.47	420.26
MNG20-110/32DFK	Nylon Insulated w/Insulation Grip Female Disconnect	054007-00989	1000	1000	254.51	203.71	156.38
MNG20-110DFIK	Fully Nylon Insulated w/Insulation Grip Female Disconnect	054007-00996	1000	1000	311.55	249.36	191.43
MNG20-110DFK	Non-Insulated Butted Seam Female Disconnect	054007-00988	1000	1000	254.51	203.71	156.38
MNG24-0FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-14960	1000	1000	457.63	366.29	281.18
MNG24-0RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-00969	1000	1000	457.63	366.29	281.18
MNG24-2RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-00970	1000	1000	457.63	366.29	281.18
MNG24-4FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-00982	1000	1000	457.63	366.29	281.18
MNG24-4RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-00971	1000	1000	457.63	366.29	281.18
MNG24-6FK	Nylon Insulated w/Insulation Grip Fork Terminal	054007-00983	1000	1000	457.63	366.29	281.18
MNG24-6RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-00972	1000	1000	457.63	366.29	281.18
MNG24-8RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-00973	1000	1000	457.63	366.29	281.18
MNG24-10RK	Nylon Insulated w/Insulation Grip Ring Tongue Terminal	054007-00974	1000	1000	457.63	366.29	281.18
MNG24BCK	Nylon Insulated w/Insulation Grip Butt Connector	054007-00995	1000	1000	348.86	279.22	214.35
MNGI10-250DFIK	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-69563	500	1000	374.85	300.04	230.32
MNGI10-250DFK	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-69568	500	1000	336.39	269.25	206.68
MNGI14-187DFIK	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-69564	1000	1000	264.99	212.10	162.82
MNGI14-187DFK	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-69569	1000	1000	210.23	168.27	129.17
MNGI14-250DFIK	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-69565	1000	1000	264.99	212.10	162.82
MNGI14-250DFK	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-69570	1000	1000	210.23	168.27	129.17
MNGI18-187DFIK	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-69566	1000	1000	264.99	212.10	162.82
MNGI18-187DFK	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-69571	1000	1000	210.23	168.27	129.17
MNGI18-250DFIK	Fully Nylon Ins w/Ins Grip Btd Seam Fem Disc w/Interlocking Br	054007-69567	1000	1000	264.99	212.10	162.82
MNGI18-250DFK	Nylon Ins w/Ins Grip Butted Seam Fem Disc w/Interlocking Barre	054007-69572	1000	1000	210.23	168.27	129.17
MNHU10-250DFIK	Fully Nylon Insulated Butted Seam Female H/S Disconnect (Bulk)	054007-06315	250	1000	880.37	704.65	580.16
MNHU10-250DMIK	Fully Nylon Insulated Butted Seam Male H/S Disconnect (Bulk)	054007-06317	250	1000	880.37	704.65	580.16
MNHU14-250DFIK	Fully Nylon Insulated Butted Seam Female H/S Disconnect (Bulk)	054007-06339	250	1000	810.73	648.91	534.27
MNHU14-250DMIK	Fully Nylon Insulated Butted Seam Male H/S Disconnect (Bulk)	054007-06341	250	1000	799.06	639.57	526.58
MNHU18-250DFIK	Fully Nylon Insulated Butted Seam Female H/S Disconnect (Bulk)	054007-06355	250	1000	810.73	648.91	534.27
MNHU18-250DMIK	Fully Nylon Insulated Butted Seam Male H/S Disconnect (Bulk)	054007-06357	250	1000	799.06	639.57	526.58
MNI10-250DFIK	Fully Nylon Ins Butted Seam Fem Disc w/Interlocking Barrel	054007-69573	500	1000	264.99	212.10	162.82
MNI14-187DFIK	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-69574	1000	1000	196.81	157.53	120.93
MNI14-250DFIK	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-69575	1000	1000	196.81	157.53	120.93
MNI18-187DFIK	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-69576	1000	1000	196.81	157.53	120.93
MNI18-250DFIK	Fully Nylon Ins Butted Seam Female Disc w/Interlocking Barrel	054007-69577	1000	1000	196.81	157.53	120.93
MNU10-250DMIK	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02301	500	1000	287.21	229.89	176.47
MNU14-156DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02282	1000	1000	209.60	167.77	128.78
MNU14-180DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02283	1000	1000	209.60	167.77	128.78
MNU14-187DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02384	1000	1000	189.06	151.32	116.17
MNU14-187DMIK	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02385	1000	1000	211.55	169.32	129.98
MNU14-250DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02291	1000	1000	189.06	151.32	116.17
MNU14-250DMIK	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02300	1000	1000	211.55	169.32	129.98
MNU18-180DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02305	1000	1000	209.60	167.77	128.78
MNU18-187DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02370	1000	1000	189.06	151.32	116.17
MNU18-187DMIK	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02379	1000	1000	211.55	169.32	129.98
MNU18-250DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02290	1000	1000	189.06	151.32	116.17
MNU18-250DMIK	Fully Nylon Insulated Butted Seam Male Disconnect	054007-02299	1000	1000	211.55	169.32	129.98
MNU20-110DFIK	Fully Nylon Insulated Butted Seam Female Disconnect	054007-02396	1000	1000	231.53	185.32	142.26
MU4-38RHTK	High Temperature Butted Seam Ring Tongue Terminal	054007-02196	200	1000	761.74	609.70	468.02
MU6-38RHTK	High Temperature Butted Seam Ring Tongue Terminal	054007-02171	200	1000	543.44	434.97	333.91
MU8-14RHT/SK	High Temperature Butted Seam Ring Tongue Terminal	054007-02142	200	1000	335.69	268.69	206.26
MU10-4R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01876	500	1000	96.72	77.41	59.43
MU10-6FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-02005	500	1000	96.72	77.41	59.43
MU10-6FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-02023	500	1000	96.14	76.95	59.07
MU10-6FK	Non-Insulated Butted Seam Fork Terminal	054007-01969	500	1000	96.72	77.41	59.43
MU10-6FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-02102	500	1000	94.01	75.26	57.76
MU10-6RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01878	500	1000	96.72	77.41	59.43
MU10-8FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-02006	500	1000	96.72	77.41	59.43
MU10-8FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-02024	500	1000	96.14	76.95	59.07
MU10-8FK	Non-Insulated Butted Seam Fork Terminal	054007-01970	500	1000	96.72	77.41	59.43

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MU10-8FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-02103	500	1000	94.01	75.26	57.76
MU10-8RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01880	500	1000	96.72	77.41	59.43
MU10-10FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-02007	500	1000	96.72	77.41	59.43
MU10-10FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-02025	500	1000	96.14	76.95	59.07
MU10-10FHTK	High Temperature Butted Seam Fork Terminal	054007-02095	500	1000	85.43	68.39	52.50
MU10-10FK	Non-Insulated Butted Seam Fork Terminal	054007-01971	500	1000	96.72	77.41	59.43
MU10-10FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-02104	500	1000	94.01	75.26	57.76
MU10-10R/FLAGK	Non-Insulated Butted Seam Ring Flag Terminal	054007-02043	500	1000	112.84	90.32	69.33
MU10-10RHTK	High Temperature Butted Seam Ring Tongue Terminal	054007-02045	500	1000	90.26	72.24	55.46
MU10-10RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01881	500	1000	96.72	77.41	59.43
MU10-14FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-02105	500	1000	162.66	130.19	99.94
MU10-14R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01882	500	1000	115.43	92.39	70.92
MU10-14RHTK	High Temperature Butted Seam Ring Tongue Terminal	054007-02046	500	1000	107.74	86.23	66.19
MU10-55PK	Non-Insulated Pin Terminal	054007-49417	500	1000	175.12	140.16	107.59
MU10-250DF/FLAGK	Non-Insulated Butted Seam Ring Flag Terminal	054007-02245	500	1000	167.49	134.06	102.91
MU10-250DMK	Non-Insulated Butted Seam Male Disconnect	054007-02056	500	1000	87.95	70.41	54.04
MU10-516R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01884	500	1000	115.43	92.39	70.92
MU10BCHTK	High Temperature Butted Seam Butt Connector	054007-02232	500	1000	107.74	86.23	66.19
MU14-4FB/SK	Non-Insulated Butted Seam Block Fork Terminal	054007-02264	1000	1000	63.55	50.86	39.04
MU14-4FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01856	1000	1000	66.25	53.02	40.71
MU14-4R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01364	1000	1000	63.55	50.86	39.04
MU14-6FB/SK	Non-Insulated Butted Seam Block Fork Terminal	054007-01564	1000	1000	63.55	50.86	39.04
MU14-6FBHTK	High Temperature Butted Seam Block Fork Terminal	054007-01843	1000	1000	68.04	54.46	41.80
MU14-6FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-01565	1000	1000	63.55	50.86	39.04
MU14-6FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-01613	1000	1000	67.64	54.13	41.56
MU14-6FK	Non-Insulated Butted Seam Fork Terminal	054007-01510	1000	1000	60.11	48.11	36.93
MU14-6FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01857	1000	1000	66.25	53.02	40.71
MU14-6R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01366	1000	1000	63.55	50.86	39.04
MU14-6RHT/SK	High Temperature Butted Seam Ring Tongue Terminal	054007-01758	1000	1000	60.11	48.11	36.93
MU14-8FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-01566	1000	1000	63.55	50.86	39.04
MU14-8FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-01614	1000	1000	67.64	54.13	41.56
MU14-8FK	Non-Insulated Butted Seam Fork Terminal	054007-01512	1000	1000	60.11	48.11	36.93
MU14-8FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01858	1000	1000	66.25	53.02	40.71
MU14-8R/LK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01371	1000	1000	63.55	50.86	39.04
MU14-10FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-01567	1000	1000	63.55	50.86	39.04
MU14-10FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-01615	1000	1000	67.64	54.13	41.56
MU14-10FHTK	High Temperature Butted Seam Fork Terminal	054007-01842	1000	1000	60.11	48.11	36.93
MU14-10FK	Non-Insulated Butted Seam Fork Terminal	054007-01514	1000	1000	60.11	48.11	36.93
MU14-10FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01859	1000	1000	66.25	53.02	40.71
MU14-10R/FLAGK	Non-Insulated Butted Seam Ring Flag Terminal	054007-01661	1000	1000	97.46	78.01	59.88
MU14-10R/LK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01373	1000	1000	63.55	50.86	39.04
MU14-10RHTK	High Temperature Butted Seam Ring Tongue Terminal	054007-01759	1000	1000	60.11	48.11	36.93
MU14-10RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01372	1000	1000	63.55	50.86	39.04
MU14-14FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01860	1000	1000	108.46	86.81	66.64
MU14-14R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01374	1000	1000	100.07	80.10	61.49
MU14-14RHTK	High Temperature Butted Seam Ring Tongue Terminal	054007-01760	1000	1000	94.96	76.00	58.34
MU14-47PK	Non-Insulated Butted Seam Pin Terminal	054007-49418	1000	1000	119.34	95.52	73.33
MU14-110DFK	Non-Insulated Butted Seam Female Disconnect	054007-13995	1000	1000	68.96	55.20	42.37
MU14-187DF/FLAGK	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-01778	1000	1000	87.13	69.74	53.53
MU14-187DFHTK	High Temperature Butted Seam Female Disconnect	054007-01762	1000	1000	69.03	55.25	42.41
MU14-187DFK	Non-Insulated Butted Seam Female Disconnect	054007-01767	1000	1000	68.96	55.20	42.37
MU14-187DMK	Non-Insulated Butted Seam Male Disconnect	054007-01783	1000	1000	66.61	53.31	40.93
MU14-250DF/FLAGK	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-01779	1000	1000	87.13	69.74	53.53
MU14-250DFHT/FLAGK	High Temperature Butted Seam Female Disconnect Flag Terminal	054007-01839	1000	1000	82.46	66.01	50.67
MU14-250DFHTK	High Temperature Butted Seam Female Disconnect	054007-01763	1000	1000	69.03	55.25	42.41
MU14-250DFK	Non-Insulated Butted Seam Female Disconnect	054007-01768	1000	1000	68.96	55.20	42.37
MU14-250DMHTK	High Temperature Butted Seam Male Disconnect	054007-01765	1000	1000	58.85	47.10	36.16
MU14-250DMK	Non-Insulated Butted Seam Male Disconnect	054007-01784	1000	1000	66.61	53.31	40.93
MU14BCHTK	High Temperature Butted Seam Butt Connector	054007-01761	1000	1000	63.01	50.44	38.72
MU18-4FB/SK	Non-Insulated Butted Seam Block Fork Terminal	054007-02263	1000	1000	63.55	50.86	39.04
MU18-4FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01347	1000	1000	66.25	53.02	40.71
MU18-4R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-00998	1000	1000	63.55	50.86	39.04
MU18-6FB/SK	Non-Insulated Butted Seam Block Fork Terminal	054007-01198	1000	1000	63.55	50.86	39.04
MU18-6FBHTK	High Temperature Butted Seam Block Fork Terminal	054007-01334	1000	1000	68.04	54.46	41.80
MU18-6FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-01199	1000	1000	63.55	50.86	39.04

*MSDS Available

Bulk Terminals

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MU18-6FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-01247	1000	1000	65.92	52.76	40.50
MU18-6FK	Non-Insulated Butted Seam Fork Terminal	054007-01144	1000	1000	60.11	48.11	36.93
MU18-6FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01348	1000	1000	66.25	53.02	40.71
MU18-6R/FLAGK	Non-Insulated Butted Seam Ring Flag Terminal	054007-01294	1000	1000	92.22	73.82	56.67
MU18-6R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01000	1000	1000	63.55	50.86	39.04
MU18-6RHT/SK	High Temperature Butted Seam Ring Tongue Terminal	054007-01297	1000	1000	60.11	48.11	36.93
MU18-8FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-01200	1000	1000	63.55	50.86	39.04
MU18-8FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-01248	1000	1000	65.92	52.76	40.50
MU18-8FK	Non-Insulated Butted Seam Fork Terminal	054007-01146	1000	1000	60.11	48.11	36.93
MU18-8FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01349	1000	1000	66.25	53.02	40.71
MU18-8R/LK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01005	1000	1000	63.55	50.86	39.04
MU18-10FBK	Non-Insulated Butted Seam Block Fork Terminal	054007-01201	1000	1000	63.55	50.86	39.04
MU18-10FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-01249	1000	1000	65.92	52.76	40.50
MU18-10FHTK	High Temperature Butted Seam Fork Terminal	054007-01333	1000	1000	60.11	48.11	36.93
MU18-10FK	Non-Insulated Butted Seam Fork Terminal	054007-01148	1000	1000	60.11	48.11	36.93
MU18-10FLK	Non-Insulated Butted Seam Locking Fork Terminal	054007-01350	1000	1000	66.25	53.02	40.71
MU18-10R/LK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01007	1000	1000	60.11	48.11	36.93
MU18-10RHTK	High Temperature Butted Seam Ring Tongue Terminal	054007-01155	1000	1000	60.11	48.11	36.93
MU18-14R/SK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01008	1000	1000	100.07	80.10	61.49
MU18-38RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-01012	1000	1000	110.18	88.18	67.70
MU18-47PK	Non-Insulated Butted Seam Pin Terminal	054007-49419	1000	1000	119.34	95.52	73.33
MU18-187DF/FLAGK	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-01302	1000	1000	87.13	69.74	53.53
MU18-187DFK	Non-Insulated Butted Seam Female Disconnect	054007-02366	1000	1000	68.96	55.20	42.37
MU18-187DMK	Non-Insulated Butted Seam Male Disconnect	054007-02372	1000	1000	66.61	53.31	40.93
MU18-250DF/FLAGK	Non-Insulated Butted Seam Female Disconnect Flag Terminal	054007-01303	1000	1000	87.13	69.74	53.53
MU18-250DFK	Non-Insulated Butted Seam Female Disconnect	054007-01300	1000	1000	68.96	55.20	42.37
MU18-250DMK	Non-Insulated Butted Seam Male Disconnect	054007-02364	1000	1000	66.61	53.31	40.93
MU18BCHTK	High Temperature Butted Seam Butt Connector	054007-01299	1000	1000	63.01	50.44	38.72
MU20-110/32DFK	Non-Insulated Butted Seam Female Disconnect	054007-00985	1000	1000	68.96	55.20	42.37
MU20-110DFK	Non-Insulated Butted Seam Female Disconnect	054007-00984	1000	1000	68.96	55.20	42.37
MU24-2RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-00958	1000	1000	60.11	48.11	36.93
MU24-4RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-00959	1000	1000	60.11	48.11	36.93
MU24-6RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-00960	1000	1000	60.11	48.11	36.93
MU24-8RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-00961	1000	1000	60.11	48.11	36.93
MU24-10RK	Non-Insulated Butted Seam Ring Tongue Terminal	054007-00962	1000	1000	60.11	48.11	36.93
MV4BCK	Vinyl Insulated Brazed Seam Butt Connector	054007-02198	200	1000	984.68	788.14	605.01
MV4PCK	Vinyl Insulated Brazed Seam Parallel Connector	054007-02200	200	1000	557.25	446.02	342.39
MV6BCK	Vinyl Insulated Brazed Seam Butt Connector	054007-02173	200	1000	761.29	609.33	467.76
MV6PCK	Vinyl Insulated Brazed Seam Parallel Connector	054007-02175	200	1000	500.68	400.74	307.63
MV8BCK	Vinyl Insulated Brazed Seam Butt Connector	054007-02144	200	1000	546.08	437.08	335.52
MV8PCK	Vinyl Insulated Brazed Seam Parallel Connector	054007-14374	200	1000	307.41	246.06	188.89
MV10-4R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01918	500	1000	196.92	157.62	121.00
MV10-6FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-02014	500	1000	196.92	157.62	121.00
MV10-6FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-02032	500	1000	224.07	179.34	137.67
MV10-6FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01978	500	1000	196.92	157.62	121.00
MV10-6FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13949	500	1000	198.20	158.64	121.78
MV10-6RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01920	500	1000	196.92	157.62	121.00
MV10-8FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-02015	500	1000	196.92	157.62	121.00
MV10-8FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-02033	500	1000	224.07	179.34	137.67
MV10-8FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01979	500	1000	196.92	157.62	121.00
MV10-8FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13956	500	1000	198.20	158.64	121.78
MV10-8RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01922	500	1000	196.92	157.62	121.00
MV10-10FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-02016	500	1000	196.92	157.62	121.00
MV10-10FFBK	Non-Insulated Butted Seam Block Flanged Fork Terminal	054007-02034	500	1000	224.07	179.34	137.67
MV10-10FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01980	500	1000	196.92	157.62	121.00
MV10-10FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13964	500	1000	198.20	158.64	121.78
MV10-10RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01923	500	1000	196.92	157.62	121.00
MV10-12RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01931	500	1000	334.59	267.81	205.58
MV10-14FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13972	500	1000	220.26	176.30	135.33
MV10-14R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01924	500	1000	221.25	177.09	135.94
MV10-38R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01928	500	1000	221.25	177.09	135.94
MV10-516R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01926	500	1000	221.25	177.09	135.94
MV10-610RK	Vinyl Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-02099	500	1000	219.59	175.76	134.93
MV10BCK	Vinyl Insulated Seamless Butt Connector	054007-02078	500	1000	231.91	185.62	142.49
MV14-4FB/SK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-02280	1000	1000	145.32	116.31	89.29

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MV14-4FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13899	1000	1000	153.27	122.68	94.18
MV14-4R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01412	1000	1000	145.32	116.31	89.29
MV14-6FB/SK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01576	1000	1000	145.32	116.31	89.29
MV14-6FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01577	1000	1000	145.32	116.31	89.29
MV14-6FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-01625	1000	1000	169.75	135.87	104.29
MV14-6FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01528	1000	1000	145.32	116.31	89.29
MV14-6FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13907	1000	1000	153.27	122.68	94.18
MV14-6R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01414	1000	1000	145.32	116.31	89.29
MV14-8FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01578	1000	1000	145.32	116.31	89.29
MV14-8FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-01626	1000	1000	169.75	135.87	104.29
MV14-8FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01530	1000	1000	145.32	116.31	89.29
MV14-8FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13915	1000	1000	153.27	122.68	94.18
MV14-8R/LK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01419	1000	1000	145.32	116.31	89.29
MV14-8R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01417	1000	1000	145.32	116.31	89.29
MV14-10FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01579	1000	1000	145.32	116.31	89.29
MV14-10FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-01627	1000	1000	169.75	135.87	104.29
MV14-10FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01532	1000	1000	145.32	116.31	89.29
MV14-10FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13923	1000	1000	153.27	122.68	94.18
MV14-10R/LK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01421	1000	1000	145.32	116.31	89.29
MV14-10RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01420	1000	1000	145.32	116.31	89.29
MV14-14FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13941	1000	1000	175.61	140.56	107.89
MV14-14R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01422	1000	1000	185.61	148.57	114.05
MV14-38RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-00546	1000	1000	190.36	152.36	116.96
MV14-516R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01424	1000	1000	190.36	152.36	116.96
MV14-610RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01851	1000	1000	166.01	132.88	102.00
MV14BCK	Vinyl Insulated Seamless Butt Connector	054007-01817	1000	1000	169.28	135.49	104.01
MV18-2R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01045	1000	1000	145.32	116.31	89.29
MV18-4FB/SK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-02279	1000	1000	145.32	116.31	89.29
MV18-4FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13857	1000	1000	153.27	122.68	94.18
MV18-4R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01046	1000	1000	145.32	116.31	89.29
MV18-6FB/SK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01210	1000	1000	145.32	116.31	89.29
MV18-6FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01211	1000	1000	145.32	116.31	89.29
MV18-6FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-01259	1000	1000	169.75	135.87	104.29
MV18-6FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01162	1000	1000	145.32	116.31	89.29
MV18-6FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13865	1000	1000	153.27	122.68	94.18
MV18-6R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01048	1000	1000	145.32	116.31	89.29
MV18-8FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01212	1000	1000	145.32	116.31	89.29
MV18-8FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-01260	1000	1000	169.75	135.87	104.29
MV18-8FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01164	1000	1000	145.32	116.31	89.29
MV18-8FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13873	1000	1000	153.27	122.68	94.18
MV18-8R/LK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01053	1000	1000	145.32	116.31	89.29
MV18-10FBK	Vinyl Insulated Brazed Seam Block Fork Terminal	054007-01213	1000	1000	145.32	116.31	89.29
MV18-10FFBK	Vinyl Insulated Brazed Seam Block Flanged Fork Terminal	054007-01261	1000	1000	169.75	135.87	104.29
MV18-10FK	Vinyl Insulated Brazed Seam Fork Terminal	054007-01166	1000	1000	145.32	116.31	89.29
MV18-10FLK	Vinyl Insulated Brazed Seam Locking Fork Terminal	054007-13891	1000	1000	153.27	122.68	94.18
MV18-10R/LK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01055	1000	1000	145.32	116.31	89.29
MV18-14R/SK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01056	1000	1000	185.61	148.57	114.05
MV18-38RK	Vinyl Insulated Brazed Seam Ring Tongue Terminal	054007-01060	1000	1000	190.36	152.36	116.96
MV18-610RK	Vinyl Insulated w/Insulation Grip Multi-Stud Ring Tongue Termi	054007-01342	1000	1000	166.01	132.88	102.00
MV18BCK	Vinyl Insulated Seamless Butt Connector	054007-01312	1000	1000	169.28	135.49	104.01
MVA156DFFIK	Vinyl Insulated Double Female Disconnect Adapter	054007-14358	500	1000	219.17	175.42	134.66
MVA180DFFIK	Vinyl Insulated Double Female Disconnect Adapter	054007-02236	500	1000	219.17	175.42	134.66
MVA250DMMIK	Vinyl Insulated Double Male Disconnect Adapter	054007-02211	500	1000	296.86	237.61	182.40
MVI10-250DFK	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-69578	500	1000	241.65	193.42	148.48
MVI14-187DFK	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-69579	1000	1000	151.36	121.16	93.01
MVI14-250DFK	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-69580	1000	1000	151.36	121.16	93.01
MVI18-187DFK	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-69581	1000	1000	151.36	121.16	93.01
MVI18-250DFK	Vinyl Ins Butted Seam Female Disconnect w/Interlocking Barrel	054007-69582	1000	1000	151.36	121.16	93.01
MVU10-4R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01946	500	1000	149.90	119.98	92.09
MVU10-6FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-02020	500	1000	158.39	126.78	97.32
MVU10-6FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-02038	500	1000	174.98	140.05	107.51
MVU10-6FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01984	500	1000	149.90	119.98	92.09
MVU10-6FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-02114	500	1000	191.04	152.90	117.38
MVU10-6RK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01948	500	1000	149.90	119.98	92.09
MVU10-8FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-02021	500	1000	158.39	126.78	97.32

Bulk Terminals

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MVU10-8FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-02039	500	1000	174.98	140.05	107.51
MVU10-8FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01985	500	1000	149.90	119.98	92.09
MVU10-8FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-02115	500	1000	191.04	152.90	117.38
MVU10-8RK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01950	500	1000	149.90	119.98	92.09
MVU10-10FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-02022	500	1000	158.39	126.78	97.32
MVU10-10FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-02040	500	1000	174.98	140.05	107.51
MVU10-10FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01986	500	1000	149.90	119.98	92.09
MVU10-10FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-02116	500	1000	191.04	152.90	117.38
MVU10-10RK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01951	500	1000	149.90	119.98	92.09
MVU10-14FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-02117	500	1000	220.70	176.65	135.60
MVU10-14R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01952	500	1000	200.27	160.30	123.05
MVU10-38R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01956	500	1000	200.27	160.30	123.05
MVU10-55PK	Vinyl Insulated Pin Terminal	054007-49429	500	1000	262.42	210.05	161.24
MVU10-156DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-02075	500	1000	176.21	141.04	108.27
MVU10-250DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-02059	500	1000	158.48	126.85	97.38
MVU10-375DFK	Vinyl Insulated Butted Seam Female Disconnect	054007-02055	500	1000	211.00	168.88	129.64
MVU10-516R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01954	500	1000	200.27	160.30	123.05
MVU10BCK	Vinyl Insulated Butted Seam Butt Connector	054007-02081	500	1000	161.39	129.17	99.16
MVU10PCK	Vinyl Insulated Butted Seam Parallel Connector	054007-02084	500	1000	290.93	232.86	178.76
MVU14-4FB/SK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-02258	1000	1000	123.01	98.46	75.59
MVU14-4FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01871	1000	1000	132.92	106.40	81.67
MVU14-4R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01444	1000	1000	123.01	98.46	75.59
MVU14-6FB/SK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01584	1000	1000	123.01	98.46	75.59
MVU14-6FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01585	1000	1000	123.01	98.46	75.59
MVU14-6FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-01633	1000	1000	143.76	115.07	88.33
MVU14-6FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01540	1000	1000	123.01	98.46	75.59
MVU14-6FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01872	1000	1000	132.92	106.40	81.67
MVU14-6R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01446	1000	1000	123.01	98.46	75.59
MVU14-8FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01586	1000	1000	123.01	98.46	75.59
MVU14-8FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-01634	1000	1000	143.76	115.07	88.33
MVU14-8FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01542	1000	1000	123.01	98.46	75.59
MVU14-8FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01873	1000	1000	132.92	106.40	81.67
MVU14-8R/LK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01451	1000	1000	123.01	98.46	75.59
MVU14-8R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01449	1000	1000	123.01	98.46	75.59
MVU14-8RK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01450	1000	1000	123.01	98.46	75.59
MVU14-10FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01587	1000	1000	123.01	98.46	75.59
MVU14-10FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-01635	1000	1000	143.76	115.07	88.33
MVU14-10FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01544	1000	1000	123.01	98.46	75.59
MVU14-10FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01874	1000	1000	132.92	106.40	81.67
MVU14-10R/LK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01453	1000	1000	123.01	98.46	75.59
MVU14-10RK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01452	1000	1000	123.01	98.46	75.59
MVU14-14FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01875	1000	1000	161.52	129.28	99.24
MVU14-14R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01454	1000	1000	143.78	115.09	88.35
MVU14-38RK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01458	1000	1000	182.91	146.41	112.39
MVU14-47PK	Vinyl Insulated Pin Terminal	054007-49430	1000	1000	190.63	152.58	117.13
MVU14-110DFK	Vinyl Insulated Butted Seam Female Disconnect	054007-01775	1000	1000	153.47	122.84	94.30
MVU14-156DMK	Vinyl Insulated Butted Seam Bullet Style Male Disconnect	054007-01813	1000	1000	131.25	105.05	80.64
MVU14-180DMK	Vinyl Insulated Butted Seam Bullet Style Male Disconnect	054007-01814	1000	1000	131.25	105.05	80.64
MVU14-187DFK	Vinyl Insulated Butted Seam Female Disconnect	054007-01776	1000	1000	129.86	103.94	79.79
MVU14-187DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-01789	1000	1000	127.49	102.04	78.33
MVU14-250DFK	Vinyl Insulated Butted Seam Female Disconnect	054007-01777	1000	1000	129.86	103.94	79.79
MVU14-250DMFK	Vinyl Insulated Butted Seam Multi-Stack Disconnect	054007-01838	1000	1000	216.36	173.18	132.94
MVU14-250DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-01790	1000	1000	127.49	102.04	78.33
MVU14-516R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01456	1000	1000	182.91	146.41	112.39
MVU14BCK	Vinyl Insulated Butted Seam Butt Connector	054007-01820	1000	1000	130.71	104.62	80.31
MVU14PCK	Vinyl Insulated Butted Seam Parallel Connector	054007-01824	1000	1000	210.55	168.53	129.37
MVU18-2R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01077	1000	1000	123.01	98.46	75.59
MVU18-4FB/SK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-02253	1000	1000	123.01	98.46	75.59
MVU18-4FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01359	1000	1000	132.92	106.40	81.67
MVU18-4R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01078	1000	1000	123.01	98.46	75.59
MVU18-6FB/SK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01218	1000	1000	123.01	98.46	75.59
MVU18-6FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01219	1000	1000	123.01	98.46	75.59
MVU18-6FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-01267	1000	1000	143.76	115.07	88.33
MVU18-6FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01174	1000	1000	123.01	98.46	75.59
MVU18-6FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01360	1000	1000	132.92	106.40	81.67

Bulk Terminals

3M Product Number	Description	Ordering UPC No.	Case Qty	Price Per	(31) List Price	(32) 1-9 Cases	(33) 10 or More Cases
MVU18-6R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01080	1000	1000	123.01	98.46	75.59
MVU18-8FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01220	1000	1000	123.01	98.46	75.59
MVU18-8FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-01268	1000	1000	143.76	115.07	88.33
MVU18-8FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01176	1000	1000	123.01	98.46	75.59
MVU18-8FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01361	1000	1000	132.92	106.40	81.67
MVU18-8R/LK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01085	1000	1000	123.01	98.46	75.59
MVU18-10FBK	Vinyl Insulated Butted Seam Block Fork Terminal	054007-01221	1000	1000	123.01	98.46	75.59
MVU18-10FFBK	Vinyl Insulated Butted Seam Block Flanged Fork Terminal	054007-01269	1000	1000	143.76	115.07	88.33
MVU18-10FK	Vinyl Insulated Butted Seam Fork Terminal	054007-01178	1000	1000	123.01	98.46	75.59
MVU18-10FLK	Vinyl Insulated Butted Seam Locking Fork Terminal	054007-01362	1000	1000	132.92	106.40	81.67
MVU18-10R/LK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01087	1000	1000	123.01	98.46	75.59
MVU18-14R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01088	1000	1000	143.78	115.09	88.35
MVU18-38RK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01092	1000	1000	182.91	146.41	112.39
MVU18-47PK	Vinyl Insulated Pin Terminal	054007-49431	1000	1000	190.63	152.58	117.13
MVU18-156DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-02259	1000	1000	131.25	105.05	80.64
MVU18-180DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-02260	1000	1000	131.25	105.05	80.64
MVU18-187DFK	Vinyl Insulated Butted Seam Female Disconnect	054007-02368	1000	1000	129.86	103.94	79.79
MVU18-187DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-02375	1000	1000	127.49	102.04	78.33
MVU18-250DFK	Vinyl Insulated Butted Seam Female Disconnect	054007-01301	1000	1000	129.86	103.94	79.79
MVU18-250DMFK	Vinyl Insulated Butted Seam Multi-Stack Disconnect	054007-01332	1000	1000	216.36	173.18	132.94
MVU18-250DMK	Vinyl Insulated Butted Seam Male Disconnect	054007-02376	1000	1000	120.24	96.25	73.88
MVU18-516R/SK	Vinyl Insulated Butted Seam Ring Tongue Terminal	054007-01090	1000	1000	182.91	146.41	112.39
MVU18BCK	Vinyl Insulated Butted Seam Butt Connector	054007-01315	1000	1000	130.71	104.62	80.31
MVU18PCK	Vinyl Insulated Butted Seam Parallel Connector	054007-01318	1000	1000	210.55	168.53	129.37
STK-1	Terminal Assortment Kit	051138-25348	1	each	150.00	93.75	
TH-440	Crimping Tool	054007-60825	10	pack	21.35	13.34	
TH-450	Crimping Tool	054007-13760	10	each	37.17	23.23	
TR-482	Ratchet Tool	054007-11902	1	each	236.44	147.77	
TR-490	Ratchet Tool	054007-70481	1	each	174.71	109.20	

*MSDS Available

Highland Bagged Terminals

3M Product Number	Description	Ordering UPC No.	Billing Unit	Term/Bag	Bags/Case	Price Per	(31) List Price
BF10-6L	Non-Insulated Block Fork	054007-49890	bag	50	50	bag	3.84
BF10-8L	Non-Insulated Block Fork	054007-70249	bag	50	5	bag	3.84
BF10-8Q	Non-Insulated Block Fork	054007-70448	bag	25	10	bag	2.67
BF10-10L	Non-Insulated Block Fork	054007-70250	bag	50	5	bag	3.84
BF10-10Q	Non-Insulated Block Fork	054007-70449	bag	25	10	bag	2.67
BF14-6C	Non-Insulated Block Fork	054007-70197	bag	100	5	bag	6.27
BF14-6L	Non-Insulated Block Fork	054007-70251	bag	50	10	bag	3.84
BF14-8C	Non-Insulated Block Fork	054007-70198	bag	100	5	bag	6.27
BF14-8L	Non-Insulated Block Fork	054007-70252	bag	50	10	bag	3.84
BF14-10C	Non-Insulated Block Fork	054007-70199	bag	100	5	bag	6.27
BF14-10L	Non-Insulated Block Fork	054007-70253	bag	50	50	bag	3.84
BF18-6C	Non-Insulated Block Fork	054007-70200	bag	100	5	bag	6.27
BF18-6L	Non-Insulated Block Fork	054007-70254	bag	50	10	bag	3.84
BF18-8C	Non-Insulated Block Fork	054007-70201	bag	100	5	bag	6.27
BF18-8L	Non-Insulated Block Fork	054007-70255	bag	50	50	bag	3.84
BF18-10C	Non-Insulated Block Fork	054007-49898	bag	100	50	bag	6.27
BFV10-6L	Vinyl Insulated Block Fork	054007-49891	bag	50	5	bag	9.18
BFV10-8L	Vinyl Insulated Block Fork	054007-70256	bag	50	5	bag	9.18
BFV10-8Q	Vinyl Insulated Block Fork	054007-70450	bag	25	10	bag	5.18
BFV10-10L	Vinyl Insulated Block Fork	054007-70257	bag	50	5	bag	9.18
BFV10-10Q	Vinyl Insulated Block Fork	054007-70451	bag	25	10	bag	5.18
BFV14-6C	Vinyl Insulated Block Fork	054007-70202	bag	100	5	bag	13.26
BFV14-6L	Vinyl Insulated Block Fork	054007-70258	bag	50	10	bag	7.51
BFV14-8C	Vinyl Insulated Block Fork	054007-70203	bag	100	5	bag	13.26
BFV14-8L	Vinyl Insulated Block Fork	054007-70259	bag	50	10	bag	7.51
BFV14-10C	Vinyl Insulated Block Fork	054007-70204	bag	100	5	bag	13.26
BFV14-10L	Vinyl Insulated Block Fork	054007-70260	bag	50	10	bag	7.51
BFV18-6C	Vinyl Insulated Block Fork	054007-70205	bag	100	5	bag	13.26
BFV18-6L	Vinyl Insulated Block Fork	054007-70261	bag	50	10	bag	7.51
BFV18-8C	Vinyl Insulated Block Fork	054007-70206	bag	100	5	bag	13.26
BFV18-8L	Vinyl Insulated Block Fork	054007-70262	bag	50	10	bag	7.51
BFV18-10C	Vinyl Insulated Block Fork	054007-49899	bag	100	5	bag	13.26
BFV18-10L	Vinyl Insulated Block Fork	054007-41515	bag	50	10	bag	7.51
BS10L	Butt Splice	054007-70263	bag	50	5	bag	3.84
BS10Q	Butt Splice	054007-70452	bag	25	10	bag	2.67
BS14C	Butt Splice	054007-70207	bag	100	5	bag	6.27
BS14L	Butt Splice	054007-70264	bag	50	10	bag	3.84
BS18C	Butt Splice	054007-70208	bag	100	5	bag	6.27
BS18L	Butt Splice	054007-70265	bag	50	10	bag	3.84
BSV10L	Vinyl Insulated Butt Splice	054007-70266	bag	50	5	bag	9.18
BSV10Q	Vinyl Insulated Butt Splice	054007-70453	bag	25	10	bag	5.18
BSV14C	Vinyl Insulated Butt Splice	054007-70209	bag	100	5	bag	14.12
BSV14L	Vinyl Insulated Butt Splice	054007-70267	bag	50	10	bag	7.51
BSV18C	Vinyl Insulated Butt Splice	054007-70210	bag	100	5	bag	14.12
BSV18L	Vinyl Insulated Butt Splice	054007-70268	bag	50	10	bag	7.51
F10-8L	Non-Insulated Fork	054007-70269	bag	50	50	bag	3.84
F10-8Q	Non-Insulated Fork	054007-70454	bag	25	10	bag	2.67
F10-10L	Non-Insulated Fork	054007-70270	bag	50	5	bag	3.84
F10-10Q	Non-Insulated Fork	054007-70455	bag	25	50	bag	2.67
F14-6C	Non-Insulated Fork	054007-70211	bag	100	5	bag	6.27
F14-6L	Non-Insulated Fork	054007-70271	bag	50	10	bag	3.84
F14-8C	Non-Insulated Fork	054007-70212	bag	100	50	bag	6.27
F14-8L	Non-Insulated Fork	054007-70272	bag	50	10	bag	3.84
F14-10C	Non-Insulated Fork	054007-70213	bag	100	5	bag	6.27
F14-10L	Non-Insulated Fork	054007-70273	bag	50	10	bag	3.84
FD10-250L	Female Disconnect	054007-70274	bag	50	5	bag	5.18
FD10-250Q	Female Disconnect	054007-70456	bag	25	10	bag	2.67
FD14-187C	Non-Insulated Female Disconnect	054007-49894	bag	100	50	bag	7.51
FD14-187L	Non-Insulated Female Disconnect	054007-49895	bag	50	50	bag	3.84
FD14-250C	Non-Insulated Female Disconnect	054007-70214	bag	100	5	bag	7.51
FD14-250L	Non-Insulated Female Disconnect	054007-70275	bag	50	10	bag	3.84
FD18-187C	Non-Insulated Female Disconnect	054007-49900	bag	100	5	bag	7.51
FD18-187L	Non-Insulated Female Disconnect	054007-49901	bag	50	10	bag	3.84
FD18-250C	Non-Insulated Female Disconnect	054007-70215	bag	100	5	bag	7.51
FD18-250L	Non-Insulated Female Disconnect	054007-70276	bag	50	10	bag	3.84

Highland Bagged Terminals

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Billing Unit	Term/Bag	Bags/Case	Price Per	(31) List Price
FDI10-250L	Fully Insulated Nylon Female Disconnect	054007-70277	bag	50	5	bag	13.26
FDI10-250Q	Fully Insulated Nylon Female Disconnect	054007-70457	bag	25	10	bag	7.51
FDI14-187C	Fully Insulated Nylon Female Disconnect	054007-70216	bag	100	5	bag	19.53
FDI14-187L	Fully Insulated Nylon Female Disconnect	054007-70278	bag	50	10	bag	10.88
FDI14-250C	Fully Insulated Nylon Female Disconnect	054007-70217	bag	100	5	bag	19.53
FDI14-250L	Fully Insulated Nylon Female Disconnect	054007-70279	bag	50	10	bag	10.88
FDI18-187C	Fully Insulated Nylon Female Disconnect	054007-70218	bag	100	5	bag	19.53
FDI18-187L	Fully Insulated Nylon Female Disconnect	054007-70280	bag	50	10	bag	10.88
FDI18-250C	Fully Insulated Nylon Female Disconnect	054007-70219	bag	100	5	bag	19.53
FDI18-250L	Fully Insulated Nylon Female Disconnect	054007-70281	bag	50	10	bag	10.88
FDV10-250L	Vinyl Insulated Female Disconnect	054007-70282	bag	50	5	bag	9.18
FDV10-250Q	Vinyl Insulated Female Disconnect	054007-70458	bag	25	10	bag	5.18
FDV14-187C	Vinyl Insulated Female Disconnect	054007-70220	bag	100	5	bag	14.12
FDV14-187L	Vinyl Insulated Female Disconnect	054007-70283	bag	50	10	bag	7.51
FDV14-250C	Vinyl Insulated Female Disconnect	054007-70221	bag	100	5	bag	14.12
FDV14-250L	Vinyl Insulated Female Disconnect	054007-70284	bag	50	10	bag	7.51
FDV18-187C	Vinyl Insulated Female Disconnect	054007-70222	bag	100	5	bag	14.12
FDV18-187L	Vinyl Insulated Female Disconnect	054007-70285	bag	50	10	bag	7.51
FDV18-250C	Vinyl Insulated Female Disconnect	054007-70223	bag	100	5	bag	14.12
FDV18-250L	Vinyl Insulated Female Disconnect	054007-70286	bag	50	10	bag	7.51
FV10-6L	Vinyl Insulated Fork	054007-70287	bag	50	5	bag	9.18
FV10-6Q	Vinyl Insulated Fork	054007-70459	bag	25	50	bag	5.18
FV10-8L	Vinyl Insulated Fork	054007-70288	bag	50	5	bag	9.18
FV10-8Q	Vinyl Insulated Fork	054007-70460	bag	25	10	bag	5.18
FV10-10L	Vinyl Insulated Fork	054007-70289	bag	50	5	bag	9.18
FV10-10Q	Vinyl Insulated Fork	054007-70461	bag	25	10	bag	5.18
FV14-6C	Vinyl Insulated Fork	054007-70224	bag	100	5	bag	13.26
FV14-6L	Vinyl Insulated Fork	054007-70290	bag	50	10	bag	7.51
FV14-8C	Vinyl Insulated Fork	054007-70225	bag	100	5	bag	13.26
FV14-8L	Vinyl Insulated Fork	054007-70291	bag	50	10	bag	7.51
FV14-10C	Vinyl Insulated Fork	054007-70226	bag	100	5	bag	13.26
FV14-10L	Vinyl Insulated Fork	054007-70292	bag	50	10	bag	7.51
LF10-6Q	Non-Insulated Locking Fork	054007-70462	bag	25	50	bag	2.67
LF10-8Q	Non-Insulated Locking Fork	054007-70463	bag	25	10	bag	2.67
LF10-10Q	Non-Insulated Locking Fork	054007-70464	bag	25	50	bag	2.67
LF10-14Q	Non-Insulated Locking Fork	054007-70465	bag	25	10	bag	2.67
LF14-6L	Non-Insulated Locking Fork	054007-70293	bag	50	10	bag	3.84
LF14-8L	Non-Insulated Locking Fork	054007-70294	bag	50	10	bag	3.84
LF14-10L	Non-Insulated Locking Fork	054007-70295	bag	50	50	bag	3.84
LF18-4L	Non-Insulated Locking Fork	054007-70296	bag	50	10	bag	3.84
LF18-6L	Non-Insulated Locking Fork	054007-70297	bag	50	50	bag	3.84
LF18-8L	Non-Insulated Locking Fork	054007-70298	bag	50	10	bag	3.84
LFV10-6Q	Vinyl Insulated Locking Fork	054007-70466	bag	25	10	bag	5.18
LFV10-8Q	Vinyl Insulated Locking Fork	054007-70467	bag	25	10	bag	5.18
LFV10-10Q	Vinyl Insulated Locking Fork	054007-70468	bag	25	10	bag	5.18
LFV10-14Q	Vinyl Insulated Locking Fork	054007-70469	bag	25	10	bag	5.18
LFV14-6L	Vinyl Insulated Locking Fork	054007-70299	bag	50	10	bag	7.51
LFV14-8L	Vinyl Insulated Locking Fork	054007-70300	bag	50	10	bag	7.51
LFV14-10L	Vinyl Insulated Locking Fork	054007-70301	bag	50	10	bag	7.51
LFV18-4L	Vinyl Insulated Locking Fork	054007-70302	bag	50	10	bag	7.51
LFV18-6L	Vinyl Insulated Locking Fork	054007-70303	bag	50	10	bag	7.51
LFV18-8L	Vinyl Insulated Locking Fork	054007-70304	bag	50	10	bag	7.51
MT10-250Q	Non-Insulated Male Tab	054007-70470	bag	25	10	bag	2.67
MT14-187L	Non-Insulated Male Tab	054007-70305	bag	50	10	bag	3.84
MT14-250L	Non-Insulated Male Tab	054007-70306	bag	50	50	bag	3.84
MT18-187L	Non-Insulated Male Tab	054007-70307	bag	50	50	bag	3.84
MT18-250L	Non-Insulated Male Tab	054007-70308	bag	50	50	bag	3.84
MTI10-250L	Fully Insulated Nylon Male Tab	054007-70309	bag	50	5	bag	13.26
MTI10-250Q	Fully Insulated Nylon Male Tab	054007-70471	bag	25	10	bag	7.51
MTI14-187C	Fully Insulated Nylon Male Tab	054007-70227	bag	100	5	bag	19.53
MTI14-187L	Fully Insulated Nylon Male Tab	054007-70310	bag	50	10	bag	10.88
MTI14-250C	Fully Insulated Nylon Male Tab	054007-70228	bag	100	5	bag	19.53
MTI14-250L	Fully Insulated Nylon Male Tab	054007-70311	bag	50	10	bag	10.88
MTI18-187C	Fully Insulated Nylon Male Tab	054007-70229	bag	100	5	bag	19.53
MTI18-187L	Fully Insulated Nylon Male Tab	054007-70312	bag	50	10	bag	10.88

*MSDS Available

Effective Date: June 4, 2001

Highland Bagged Terminals

3M Product Number	Description	Ordering UPC No.	Billing Unit	Term/Bag	Bags/Case	Price Per	(31) List Price
MTI18-250C	Fully Insulated Nylon Male Tab	054007-70230	bag	100	5	bag	19.53
MTI18-250L	Fully Insulated Nylon Male Tab	054007-70313	bag	50	10	bag	10.88
MTV10-250L	Vinyl Insulated Male Tab	054007-70314	bag	50	5	bag	9.18
MTV10-250Q	Vinyl Insulated Male Tab	054007-70472	bag	25	10	bag	5.18
MTV14-187C	Vinyl Insulated Male Tab	054007-70231	bag	100	5	bag	13.26
MTV14-187L	Vinyl Insulated Male Tab	054007-70315	bag	50	10	bag	7.51
MTV14-250C	Vinyl Insulated Male Tab	054007-70232	bag	100	5	bag	13.26
MTV14-250L	Vinyl Insulated Male Tab	054007-70316	bag	50	10	bag	7.51
MTV18-187C	Vinyl Insulated Male Tab	054007-70233	bag	100	5	bag	13.26
MTV18-187L	Vinyl Insulated Male Tab	054007-70317	bag	50	10	bag	7.51
MTV18-250C	Vinyl Insulated Male Tab	054007-70234	bag	100	5	bag	13.26
MTV18-250L	Vinyl Insulated Male Tab	054007-70318	bag	50	10	bag	7.51
R10-6L	Non-Insulated Ring	054007-49892	bag	50	5	bag	3.84
R10-8L	Non-Insulated Ring	054007-70319	bag	50	5	bag	3.84
R10-8Q	Non-Insulated Ring	054007-70473	bag	25	50	bag	2.67
R10-10L	Non-Insulated Ring	054007-70320	bag	50	5	bag	3.84
R10-10Q	Non-Insulated Ring	054007-70474	bag	25	10	bag	2.67
R10-14L	Non-Insulated Ring	054007-70321	bag	50	5	bag	5.18
R10-14Q	Non-Insulated Ring	054007-70475	bag	25	10	bag	2.67
R14-4C	Non-Insulated Ring	054007-49896	bag	100	5	bag	6.27
R14-6C	Non-Insulated Ring	054007-70235	bag	100	50	bag	6.27
R14-6L	Non-Insulated Ring	054007-70322	bag	50	10	bag	3.84
R14-8C	Non-Insulated Ring	054007-70236	bag	100	5	bag	6.27
R14-8L	Non-Insulated Ring	054007-70323	bag	50	10	bag	3.84
R14-10C	Non-Insulated Ring	054007-70237	bag	100	5	bag	6.27
R14-10L	Non-Insulated Ring	054007-70324	bag	50	10	bag	3.84
R18-4C	Non-Insulated Ring	054007-49902	bag	100	5	bag	6.27
R18-6C	Non-Insulated Ring	054007-70238	bag	100	5	bag	6.27
R18-6L	Non-Insulated Ring	054007-70325	bag	50	10	bag	3.84
R18-8C	Non-Insulated Ring	054007-70239	bag	100	5	bag	6.27
R18-8L	Non-Insulated Ring	054007-70326	bag	50	10	bag	3.84
R18-10C	Non-Insulated Ring	054007-70240	bag	100	5	bag	6.27
R18-10L	Non-Insulated Ring	054007-70327	bag	50	10	bag	3.84
RV10-6L	Vinyl Insulated Ring	054007-49893	bag	50	5	bag	9.18
RV10-8L	Vinyl Insulated Ring	054007-70328	bag	50	5	bag	9.18
RV10-8Q	Vinyl Insulated Ring	054007-70476	bag	25	10	bag	5.18
RV10-10L	Vinyl Insulated Ring	054007-70329	bag	50	5	bag	9.18
RV10-10Q	Vinyl Insulated Ring	054007-70477	bag	25	10	bag	5.18
RV10-14L	Vinyl Insulated Ring	054007-70330	bag	50	5	bag	10.88
RV10-14Q	Vinyl Insulated Ring	054007-70478	bag	25	10	bag	6.27
RV10-38L	Vinyl Insulated Ring	054007-70331	bag	50	5	bag	10.88
RV10-38Q	Vinyl Insulated Ring	054007-70479	bag	25	10	bag	6.27
RV10-516Q	Vinyl Insulated Ring	054007-49562	bag	25	10	bag	6.27
RV14-4C	Vinyl Insulated Ring	054007-49897	bag	100	5	bag	13.26
RV14-6C	Vinyl Insulated Ring	054007-70241	bag	100	5	bag	13.26
RV14-6L	Vinyl Insulated Ring	054007-70332	bag	50	10	bag	7.51
RV14-8C	Vinyl Insulated Ring	054007-70242	bag	100	5	bag	13.26
RV14-8L	Vinyl Insulated Ring	054007-70333	bag	50	10	bag	7.51
RV14-10C	Vinyl Insulated Ring	054007-70243	bag	100	5	bag	13.26
RV14-10L	Vinyl Insulated Ring	054007-70334	bag	50	10	bag	7.51
RV14-14C	Vinyl Insulated Ring	054007-70244	bag	100	5	bag	17.63
RV14-14L	Vinyl Insulated Ring	054007-70335	bag	50	10	bag	9.66
RV14-516L	Vinyl Insulated Ring	054007-49560	bag	50	10	bag	9.66
RV18-4C	Vinyl Insulated Ring	054007-49903	bag	100	5	bag	13.26
RV18-6C	Vinyl Insulated Ring	054007-70245	bag	100	5	bag	13.26
RV18-6L	Vinyl Insulated Ring	054007-70336	bag	50	10	bag	7.51
RV18-8C	Vinyl Insulated Ring	054007-70246	bag	100	5	bag	13.26
RV18-8L	Vinyl Insulated Ring	054007-70337	bag	50	10	bag	7.51
RV18-10C	Vinyl Insulated Ring	054007-70247	bag	100	5	bag	13.26
RV18-10L	Vinyl Insulated Ring	054007-70338	bag	50	10	bag	7.51
RV18-14C	Vinyl Insulated Ring	054007-70248	bag	100	5	bag	17.63
RV18-14L	Vinyl Insulated Ring	054007-70339	bag	50	10	bag	9.66
RV18-516L	Vinyl Insulated Ring	054007-49561	bag	50	10	bag	9.66
SPV14-156L	Vinyl Insulated Snap Plug	054007-70342	bag	50	10	bag	5.18
SPV18-156L	Vinyl Insulated Snap Plug	054007-70343	bag	50	10	bag	5.18

Highland Bagged Terminals

3M Electrical Products Suggested Trade

3M Product Number	Description	Ordering UPC No.	Billing Unit	Term/Bag	Bags/Case	Price Per	(31) List Price
[illegible]4-156L	Fully Insulated Nylon Snap Receptacle	054007-70340	bag	50	10	bag	6.27

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*VELCRO® is a registered trademark of the Velcro Companies.
■TEFZEL is the Registered Trademark of E.I. DuPont Co., fluoropolymer.
All reference dimensions in this catalog are shown in inches (and millimeters).

World Leader in Cable Ties and Wiring Accessories

Panduit is the world's largest producer of cable ties and wiring accessories, offering the most complete selection of sizes, styles and materials. We continually provide new cable tie and wiring accessory designs to meet the changing application challenges encountered by our customers while providing lowest installed costs.

Panduit also offers the largest selection of ergonomic cable tie installation tools—from high speed automatic systems to hand operated tools. So, whatever the need, Panduit has the tool to help lower your total installed cost.

Assured Quality

To help assure optimum quality, Panduit products are designed and manufactured to meet applicable international, UL, military and customer standards:

ISO 9000

The International Standards Organization (ISO) establishes worldwide standards for products and services in recognition of increasing globalization of markets. The ISO program sets up the requirements for quality assurance systems of these worldwide standards. Panduit is registered to ISO 9001, the most comprehensive model in the standard, meant for companies who design, manufacture, install and service the products they sell. Registration has been awarded by Underwriters' Laboratories (Certificate No. A2269) after extensive audit of QA systems employed at Panduit.

Underwriters' Laboratories, Inc. (File E56854)

Most Panduit miniature, intermediate, standard, light heavy and heavy cross-section ties are Recognized or Listed by Underwriters' Laboratories in their Directory under the category "Wire Positioning Devices" (ZODZ(2)). Natural, pigmented and weather resistant cable ties are recognized for indoor use at temperatures up to 85 °C (185°F). Heat stabilized ties are U.L. recognized for indoor use at temperatures up to 105°C (221°F).

Military Specification: MIL-S-23190E

Military Specification MIL-S-23190E covers the actual test requirements on cable ties. Panduit cable ties, when tested, either meet or exceed the requirements of this specification.

Nuclear Regulatory Commission

The NRC developed rules and regulations concerning Quality Assurance Criteria for Nuclear Power Plants or Title 10, Chapter 10, Part 50, Appendix B (10CFR50). Panduit Corp's Quality Assurance program is designed to satisfy the 18 criteria set forth in NRC 10CFR50, Appendix B, Military Specification MIL-Q-9858A.

Ford Motor Company

Panduit has received Q1 certification status from Ford Motor Company. Q1 certification enables all Panduit cable tie manufacturing facilities to approve all initial samples and production shipments of the parts destined for Ford operations throughout the world.

InternationalApprovals Independent Testing Facilities

German (VG) Military

Lloyd's Register of Shipping

RINA

Germanischer Lloyd

Nippon Kaiji Kyokai

Det Norske Veritas

Bureau Veritas

Selection of Styles

PAN-TY® Cable Ties

This line offers the largest selection of styles, materials, and sizes. The ties are available in 6.6 nylon, nylon 12, polypropylene, HALAR▲ and TEFZEL■ material. Available in sizes from .60" (15mm) maximum bundle diameter up to 13" (330mm) maximum bundle diameter. All are self-locking and many sizes are available in both releasable and non-releasable types. ***PAN-TY*** Cable Ties are quickly installed by hand or with ***PANDUIT*** installation tools.

DOME-TOP® *BARB-TY*® Cable Ties

These cable ties provide consistent performance and reliability for those users who prefer a cable tie with a stainless steel locking barb. They are infinitely adjustable through their entire bundle range. On selected popular sizes, the additional length of ***BARB-TY*** Cable Ties provides an average of 30% more bundle area than other metal barb cable ties. Available in sizes from .90" (23mm) maximum bundle diameter up to 9.0" (229mm) maximum bundle diameter and may be installed by hand or with ***PANDUIT*** installation tools.

Specialty Ties

Panduit continually develops new products to help solve the unique application problems of our customers. One of these products is the aerial support tie which typifies the design/manufacturing capability of Panduit to respond to these special needs.

Stainless Steel Ties and Strapping

Underground, underwater, indoors, outdoors—however hostile the environment—***PANDUIT*** Stainless Steel Ties and Strapping let you fasten and identify components and cables quickly and easily. Stainless steel ties stand up to most chemicals, to nuclear and ultraviolet radiation, to seawater and direct burial in any soil, and to temperature extremes from -112°F to 1700°F (-80°C to 925°C).

For Technical Information in the U.S.A.
Call 888-506-5400 or 708-532-1800 -- Extension 1483

Other countries, see the Home Page for local Sales Office information

▲HALAR is the Registered Trademark for Ausimont, Inc. fluoropolymer.

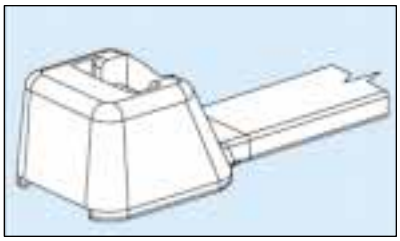
■TEFZEL is the Registered Trademark of E.I. DuPont Co., fluoropolymer.

PAN-TY® Cable Tie Features/Benefits:

1. ONE PIECE CONSTRUCTION

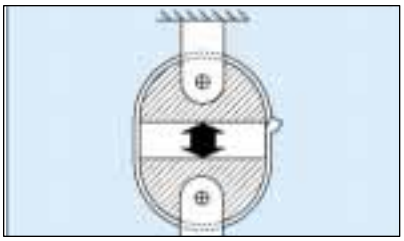
- Consistent performance and reliability.
- Available in lengths from 2.8" (71mm) up to 43.3" (1100mm) to meet a variety of application requirements.

2. SMOOTH, ROUND EDGES



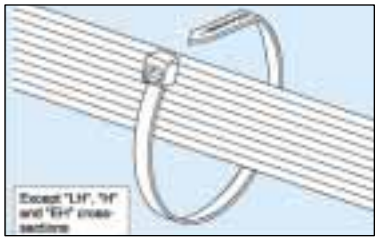
- No irritation to installer's hands, increases productivity.
- Prevents damage to wire insulation.

3. TENSILE STRENGTH



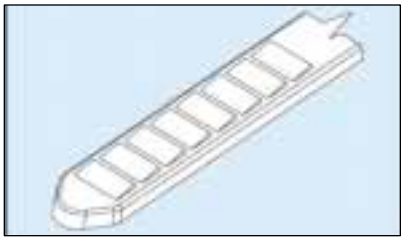
- Exceeds Industry and Military (MIL-S-23190E) standards
- Available in seven loop tensile strengths from 8 lbs. (36N) up to 250 lbs. (1112N) to provide an economical selection from which to choose.

4. CURVED TIP



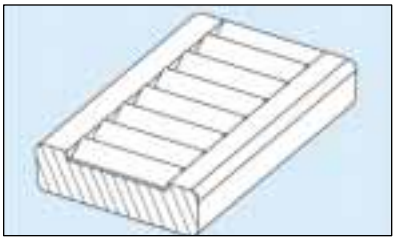
- Orients tip toward head to speed installation—lowers installed cost.
- Faster initial threading.
- Easier to pick up from flat surfaces.

5. FINGER TIP GRIP



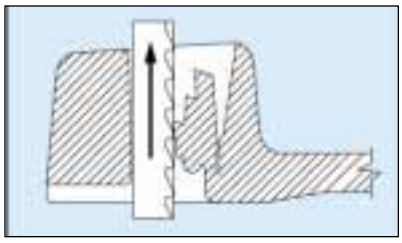
- Finger tip grip on selected sizes assures positive grip during threading of the tie.
- Grip prevents tip from slipping out of cable tie head during threading.

6. MORE TEETH PER INCH



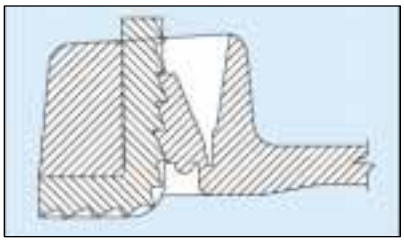
- Greater number of small uniform teeth provides tighter bundles.
- Because they're flush with surface they provide proper wire bundle grip without wire insulation damage.

7. LOW THREADING FORCE



- Lowest threading force of any one-piece cable tie in the industry.
- Reduces operator fatigue.
- Thin tapered tip facilitates threading, easier initial insertion.

8. ONE PIECE LOCKING DESIGN



- Multiple locking tooth design provides greater strength and reliability.
- Available in self locking or releasable styles for use in applications where changes are anticipated.

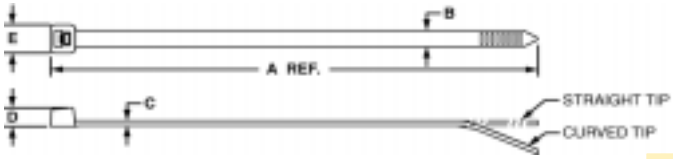
9. MATERIAL AVAILABILITY

- Available in a variety of materials to meet the needs of special environments.
- Properly selected ties can be used indoors or outdoors with assurance of long lasting performance.

PAN-TY® Nylon 6.6 Locking Cable Ties

These versatile fasteners can be used in countless applications wherever you need to bundle wire, cable, or hose. They tie bundle diameters up to 13 inches (can also be joined together for even larger diameters) and have minimum loop tensile strengths from 12 to 175 pounds. Colors are available for specific color-coding applications (*See Page 37 to 39* for color and material availability chart).

All PLT cable ties (except -DTP, -XMR, -VMR, -5K, heavy and extra heavy cross section) have curved tip design for faster threading.

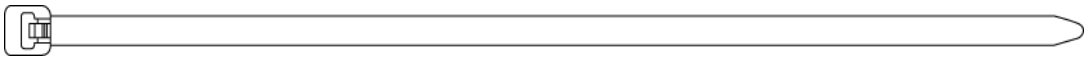


SUB-MINIATURE AND MINIATURE CROSS SECTION

Cable Ties for Automatic Tools— *See Page 46*

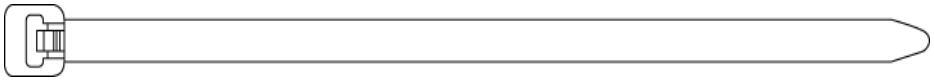
Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLT.6SM-C	2.8 (71)	.070 (1.8)	.030 (.76)	.095 (2.4)	.125 (3.2)	.6 (15.2)	8 (36)	GS2B	100	1000	1000	50000
PLT.7M-C	3.1 (79)	.090 (2.3)	.032 (.9)	.115 (2.9)	.180 (4.6)	.68 (17.3)	18 (80)		100	1000	1000	50000
PLT1M-C	3.9 (99)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	.87 (22)	18 (80)		100	1000	1000	50000
PLT1.5M-C	5.6 (142)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	1.25 (32)	18 (80)	GS2B,PPTS or STS2	100	1000	1000	50000
PLT2M-C	8.0 (203)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	2.00 (51)	18 (80)		100	1000	1000	25000

INTERMEDIATE CROSS SECTION



PLT1.5I-C	5.6 (142)	.142 (3.6)	.045 (1.2)	.180 (4.6)	.240 (6.1)	1.38 (35)	40 (178)	GS2B, PPTS or STS2	100	1000	1000	25000
PLT2I-C	8.0 (203)	.142 (3.6)	.045 (1.2)		.240 (6.1)	2.00 (51)			100	1000	1000	25000
PLT2.5I-C	9.7 (246)	.142 (3.6)	.052 (1.3)		.240 (6.1)	2.50 (64)			100	1000	1000	10000
PLT3I-C	11.4 (290)	.145 (3.7).	.052 (1.3)		.260 (6.6)	3.00 (76)			100	1000	1000	10000
PLT4I-C	14.6 (371)	.145 (3.7)	.052 (1.3)		.260 (6.6)	4.00 (102)			100	1000	1000	10000

STANDARD CROSS SECTION



PLT1S-C	4.8 (122)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.316 (8.0)	1.00 (25)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	25000
PLT1.5S-C	6.2 (157)				.316 (8.0)	1.50 (38)			100	1000	1000	25000
PLT2S-C	7.4 (188)				.316 (8.0)	1.88 (48)			100	1000	1000	10000
PLT2.5S-C	9.8 (249)				.337 (8.6)	2.50 (64)			100	1000	1000	10000
PLT3S-C	11.5 (292)				.337 (8.6)	3.00 (76)			100	1000	1000	10000
PLT3.5S-C	13.0 (330)				.337 (8.6)	3.50 (89)			100	1000	1000	10000
PLT4S-C	14.5 (368)				.337 (8.6)	4.00 (102)			100	1000	1000	5000
PLT4.5S-C	15.5 (394)				.337 (8.6)	4.50 (114)			100	1000	1000	5000
PLT5S-C	17.5 (445)				.337 (8.6)	5.00 (127)			100	500	1000	5000

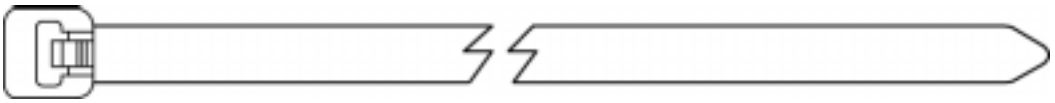
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to Page 41*.

For colors and other materials, *See Page 36 to 39.*

PANDUIT® Nylon 6.6 Locking Cable Ties (PLT Series)

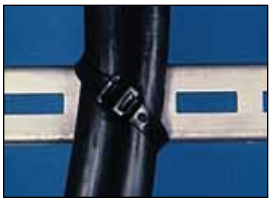
LIGHT HEAVY AND HEAVY CROSS SECTION



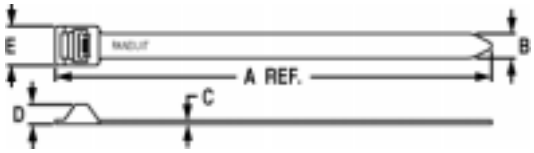
Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
120 Lb. Minimum Loop Tensile												
PLT2H-L	8.1 (206)	.300 (7.6)	.075 (1.9)	.290 (7.4)	.480 (12.2)	2.00 (51)	120 (534)	GS4H, GS4EH PPTEH or STH2	50	500	250	2500
PLT2.5H-L	10.0 (254)			.290 (7.4)		2.50 (64)			50	500	250	2500
PLT3H-L	11.4 (290)			.290 (7.4)		3.00 (76)			50	500	250	2500
PLT4H-L	14.5 (368)			.290 (7.4)		4.00 (102)			50	500	250	2500
PLT6LH-L	21.9 (556)			.325 (8.3)		6.00 (152)			50	500	100	2000
PLT7LH-L	24.7 (627)			.325 (8.3)		7.00 (178)			50	500	100	2000
PLT8LH-L	27.6 (701)			.325 (8.3)		8.00 (203)			50	500	100	2000
PLT9LH-L	30.5 (775)			.325 (8.3)		9.00 (229)			50	500	100	1000
PLT10LH-L	34.3 (871)			.325 (8.3)		10.31 (262)			50	1000	100	1000
175 Lb. Minimum Loop Tensile												
PLT5H-L	17.7 (450)	.350 (8.9)	.078 (2.0)	.340 (8.6)	.560 (14.2)	5.00 (127)	175 (778)	GS4H, GS4EH PPTEH or STH2	50	500	100	2500
PLT6H-L	20.9 (530)					6.00 (152)			50	500	100	2000
PLT8H-L	30.6 (779)					9.00 (229)			50	500	100	1000
PLT13H-Q	43.3 (1100)					13.00 (330)			25	500	100	500

Most commonly used parts appear in **BOLD**.

PAN-TY® Locking Lashing Ties



Lashing Ties typically are used on heavy duty jobs such as securing conduit or large cable bundles to permanent structures, indoors or out. Can be used with MCEH mounting clip (*See Page 15*).



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Nylon 6.6 for Indoor Use												
PLT2EH-C	9.0 (229)	.500 (12.7)	.075 (1.9)	.40 (10.2)	.80 (20.3)	2.0 (51)	250 (1112)	GS4H, GS4EH PPTEH or STH2	—	—	100	1000
PLT5EH-Q	20.1 (510)		.075 (1.9)			5.0 (127)			25	250	100	1000
PLT6EH-Q	22.2 (563)		.075 (1.9)			6.0 (152.4)			25	250	100	1000
PLT8EH-C	28.3 (718)		.085 (2.2)			8.0 (203.2)			—	—	100	1000
PLT10EH-C	34.2 (868)		.085 (2.2)			10.0 (254)			—	—	100	500
PLT12EH-C	40.1 (1018)		.085 (2.2)			12.0 (304.8)			—	—	100	500

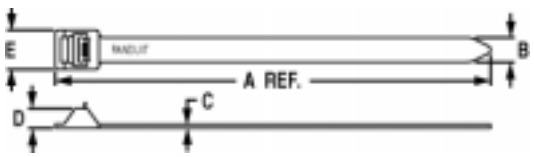
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.

†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to Page 41*.

For colors and other materials, *See Page 36 to 39.*

PAN-TY® Releasable Lashing Ties

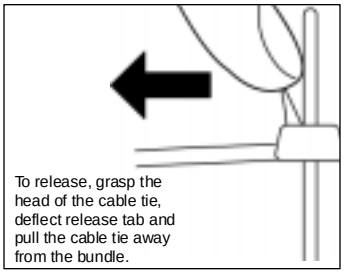


Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Nylon 6.6 for Indoor Use												
PRT2EH-C	9.0 (229)	.500 (12.7)	.075 (1.9)	.40 (10.2)	.80 (20.3)	2.0 (51)	250 (1112)	Hand Installed Only	—	—	100	1000
PRT5EH-Q	20.1 (510)		.075 (1.9)			5.0 (127)			25	250	100	1000
PRT6EH-Q	22.2 (563)		.075 (1.9)			6.0 (152)			25	250	100	1000
PRT8EH-C	28.3 (718)		.085 (2.2)			8.0 (203)			—	—	100	1000
PRT10EH-C	34.2 (868)		.085 (2.2)			10.0 (254)			—	—	100	500
PRT12EH-C	40.1 (1018)		.085 (2.2)			12.0 (305)			—	—	100	500

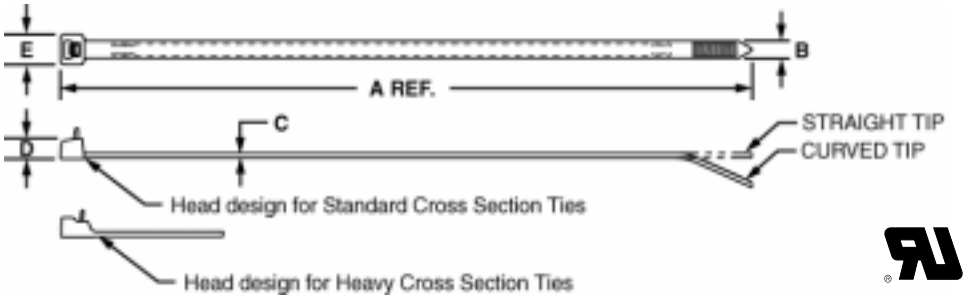
Most commonly used parts appear in **BOLD**.

PAN-TY® Releasable Nylon 6.6 Cable Ties

The extended tab end of releasable cable ties permits easy release and reuse even after tie has been pulled up snug by hand. Releasable ties are particularly useful in harnessing where changes are anticipated during development, production or servicing in the field.



To release, grasp the head of the cable tie, deflect release tab and pull the cable tie away from the bundle.



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Standard Cross Section												
PRT1S-C	4.8 (122)	.190 (4.8)	.052 (1.3)	.219 (5.6)	.316 (8.0)	1.00 (25)	50 (222)	Hand Installed Only	100	1000	100	10000
PRT1.5S-C	6.3 (160)				.316 (8.0)	1.50 (38)			100	1000	100	10000
PRT2S-C	7.4 (188)				.316 (8.0)	1.88 (48)			100	1000	100	10000
PRT3S-C	11.5 (292)				.337 (8.6)	3.00 (76)			100	1000	100	10000
PRT4S-C	14.5 (368)				.337 (8.6)	4.00 (102)			100	1000	100	5000
Heavy Cross Section												
PRT2H-L	8.4 (213)	.300 (7.6)	.075 (1.9)	.300 (7.6)	.480 (12.2)	2.00 (51)	80 (356)		50	500	250	2500
PRT3H-L	11.4 (290)					3.00 (76)			50	500	250	2500
PRT4H-L	14.5 (368)					4.00 (102)			50	500	250	2500

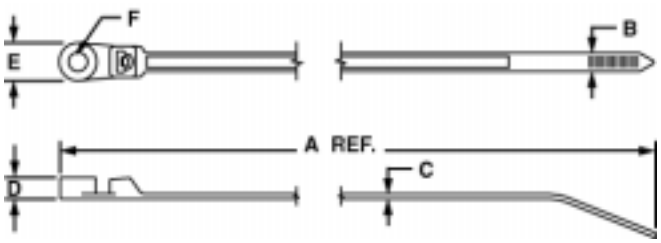
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to 41.

For colors and other materials, See Page 36 to 39.

PAN-TY® Nylon 6.6 Clamp Ties

Clamps are used to attach a bundle to another surface such as a control panel, wall or ceiling using another fastener. The design allows for bundling before or after screwing clamp in place.



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Boss Height D In. (mm)	Head Width E In. (mm)	Hole Dia. F In. (mm)	Screw Size	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended *PANDUIT*® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Miniature Cross Section														
PLC1M-S4-C	4.3 (110)	.100 (2.5)	.045 (1.2)	.153 (3.9)	.239 (6.1)	.118 (3.0)	#4 (M2.5)	.75 (20)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	50000
Intermediate Cross Section														
PLC1.5I-C	6.1 (156)	.135 (3.4)	.045 (1.2)	.166 (4.2)	.335 (8.5)	.172 (4.4)	#8 (M4)	1.25 (32)	40 (178)	GS2B, PPTS or STS2	100	1000	1000	25000
Standard Cross Section														
PLC2S-S6-C	7.9 (201)	.190 (4.8)	.047 (1.2)	.160 (4.1)	.373 (9.5)	.145 (3.7)	#6 (M3)	1.84 (47)	50 (222)	GS2B, GS4H PPTS, STS2 or STH2	100	1000	1000	10000
PLC2S-S10-C	7.9 (201)		.047 (1.2)	.160 (4.1)		.206 (5.2)	#10 (M5)	1.84 (47)			100	1000	1000	10000
PLC3S-S10-C	12.0 (305)		.052 (1.3)	.220 (5.6)		.206 (5.2)	#10 (M5)	3.00 (76)			100	1000	1000	5000
PLC4S-S10-C	15.0 (381)		.052 (1.3)	.220 (5.6)		.206 (5.2)	#10 (M5)	4.00 (102)			100	1000	1000	5000
Heavy Cross Section														
PLC2H-S25-L	9.0 (228)	.300 (7.6)	.075 (1.9)	.265 (6.7)	.500 (12.7)	.260 (6.6)	1/4 (M6)	2.00 (51)	120 (534)	GS4H, GS4EH PPTEH or STH2	50	500	250	2500
PLC3H-S25-L	12.0 (305)							3.00 (76)			50	500	250	2500
PLC4H-S25-L	15.1 (384)							4.00 (102)			50	500	250	2500

Most commonly used parts appear in **BOLD**.

For Heavy Duty Vibration and Loading Applications

Tie features reinforcing ribs between tie head and mounting boss that strengthen and stabilize this area of the tie, making it ideal for heavy duty applications.

PLCR4H-S25-L	15.1 (384)	.300 (7.6)	.075 (1.9)	.265 (6.7)	.500 (12.7)	.260 (6.6)	1/4 (M6)	4.00 (102)	120 (534)	GS4H, GS4EH, PPTEH, STH2	50	500	250	2500

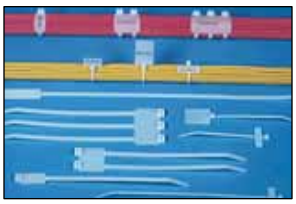
*Order the Number of Pieces Required in Multiples of Packaging Quantities.

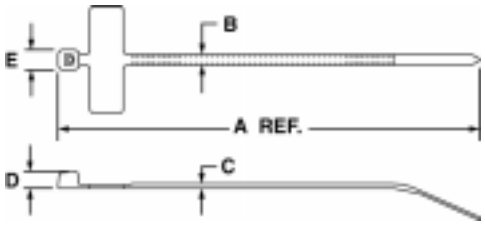
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to Page 41*.

For colors and other materials, *See Page 36 to 39.*

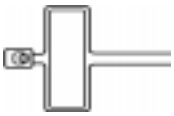
PAN-TY® Nylon 6.6 Marker Ties

Marker Ties fasten and identify bundles at the same time. They can be marked with ***PANDUIT*** Marker Pens or you can use Panduit's custom hot stamping service.

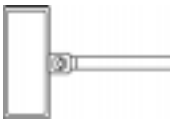




MINIATURE CROSS SECTION

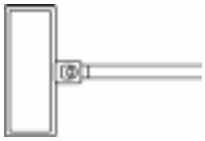


PLM1M
PLM2M



PLF1M

PLF1MA



PLF1MB

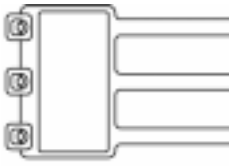
Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Write-on Area In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended ***PANDUIT***® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLM1M-C	3.9 (99)	.098 (2.5)	.035 (.9)	.154 (3.9)	.180 (4.6)	.26 x .95 (6.6 x 24.1)	.75 (20)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	25000
PLM2M-C	8.0 (203)						2.0 (51)			100	1000	1000	25000
PLF1M-C	4.3 (109)		.045 (1.1)			.31 x .75 (7.9 x 19.1)	.87 (22)			100	1000	1000	25000
PLF1MA-C	5.1 (130)					.76 x 1.04 (19.1 x 26.4)	.87 (22)			100	1000	1000	10000
PLF1MB-C	4.0 (102)					.31 x .92 (7.9 x 23.4)	.75 (20)			100	1000	1000	10000

Most commonly used parts appear in **BOLD**.

STANDARD CROSS SECTION

PLM2S
PLM4S

PL2M2S



PL3M2S

PLM2S-C	7.4 (188)	.185 (4.7)	.052 (1.3)	.220 (5.6)	.320 (8.1)	.44 x .87 (11.1 x 22.1)	1.75 (45)	50 (222)	GS2B, GS4H PPTS, STS2 or STH2	100	1000	500	10000
PLM4S-C	14.6 (371)					.44 x 2.00 (11.1 x 50.8)	4.00 (102)			100	1000	500	5000
PL2M2S-L	7.4 (188)					.87 x 1.07 (22.1 x 27.2)	1.75 (45)			50	500	500	2500
PL3M2S-L	7.4 (188)					.87 x 1.79 (22.1 x 45.5)	1.75 (45)			50	500	500	2500

Marker Ties are also available in weather resistant black nylon for outdoor use. May be marked with ***PANDUIT*** PX-10 White Marking Pen. Most commonly used parts appear in **BOLD**.

MARKERS ON REELS (2000 reel - 2 reels/pkg.)

PLM1M-4KR	3.9 (99)	.098 (2.5)	.035 (.9)	.154 (3.9)	.180 (4.6)	.26 x .95 (6.6 x 24.1)	.87 (22)	18 (80)		—	—	4000	—
PLF1MB-4KR	4.0 (102)		.045 (1.1)			.31 x .92 (7.9 x 23.4)	.75 (19)			—	—	4000	—

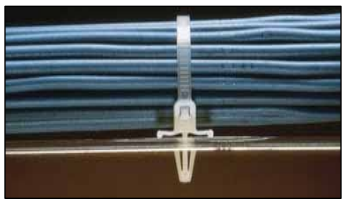
Custom Hot Stamping Available; *See Page 35*.

Marking Pens Available; *See Page 100*.

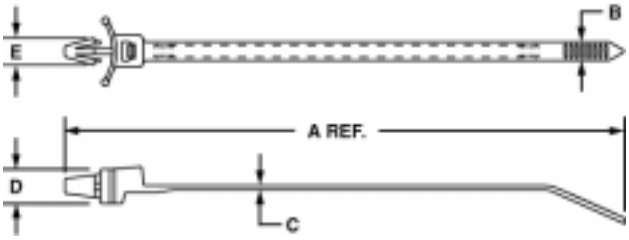
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to Page 41*.

For colors and other materials, *See Page 36 to 39.*

PAN-TY® Nylon 6.6 Push Mount Ties



Push mount ties are used to attach a bundle to another surface such as a control panel. The mount portion is easily pressed into a pre-drilled hole and locks in place. Push mount tie wings provide constant tension when installed in less than maximum panel thickness creating a stable, secure fixture and rattle-free installation.



Winged Push Mount Ties

Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Hole Dia. In. (mm)	Max. Panel Thickness In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended *PANDUIT*® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Style PLWP (locking)														
PLWP1M-C	Min.	4.3 (109)	.098 (2.5)	.044 (1.1)	.220 (5.6)	.187 (4.7)	.093 (2.4)	.87 (22)	18 (80)	GS2B, PPTS or STS2	100	1000	500	5000
PLWP1.5I-C	Int.	6.0 (152)	.135 (3.4)	.045 (1.2)	.280 (7.1)	.187 (4.7)	.093 (2.4)	1.25 (32)	40 (177)		100	1000	500	5000
PLWP1S-C		5.2 (132)				.252 (6.4)	.105 (2.7)	1.00 (25)			100	1000	500	5000
PLWP1SA-C		5.1 (130)				.187 (4.7)	.093 (2.4)	1.00 (25)			100	1000	500	5000
PLWP1SB-D		5.2 (132)				.187 (4.7)	.157 (4.0)	1.00 (25)			—	—	500	5000
PLWP1.5S-C		6.8 (173)				.252 (6.4)	.105 (2.7)	1.50 (38)			100	1000	500	5000
PLWP1.5SA-C	Std.	6.7 (170)	.190 (4.8)	.052 (1.3)	.370 (9.4)	.187 (4.7)	.093 (2.4)	1.50 (38)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	500	5000
PLWP1.5SB-C		6.7 (170)				.187 (4.7)	.157 (4.0)	1.50 (38)			100	1000	500	5000
PLWP2S-C		7.8 (198)				.252 (6.4)	.105 (2.7)	1.75 (45)			100	1000	500	5000
PLWP2SA-C		7.7 (196)				.187 (4.7)	.093 (2.4)	1.75 (45)			100	1000	500	5000
PLWP2SB-D		7.8 (198)				.187 (4.7)	.157 (4.0)	1.75 (45)			—	—	500	5000
PLWP2H-TL	Hvy.	8.9 (226)	.300 (7.6)	.075 (1.9)	.370 (9.4)	.252 (6.4)	.105 (2.7)	2.00 (51)	120 (534)	GS4H, STH2 PPTEH	—	—	250	2500
PLWP3H-TL		12.0 (305)						3.00 (76)			—	—	250	2500
Style PRWP (releasable)														
PRWP1.5I-C	Int.	6.0 (152)	.135 (3.4)	.045 (1.2)	.220 (5.6)	.187 (4.7)	.093 (2.4)	1.25 (32)	40 (177)		100	1000	500	5000
PRWP1S-C		5.2 (132)				.252 (6.4)	.105 (2.7)	1.00 (25)			100	1000	500	5000
PRWP1SA-C		5.1 (130)				.187 (4.7)	.093 (2.4)	1.00 (25)			100	1000	500	5000
PRWP1SB-D		5.2 (132)				.187 (4.7)	.157 (4.0)	1.00 (25)			—	—	500	5000
PRWP1.5S-C		6.8 (173)				.252 (6.4)	.105 (2.7)	1.50 (38)			100	1000	500	5000
PRWP1.5SA-D	Std.	6.7 (170)	.190 (4.8)	.052 (1.3)	.370 (9.4)	.187 (4.7)	.093 (2.4)	1.50 (38)	50 (222)	Hand Installed only	—	—	500	5000
PRWP1.5SB-D		6.8 (173)				.187 (4.7)	.157 (4.0)	1.50 (38)			—	—	500	5000
PRWP2S-C		7.8 (198)				.252 (6.4)	.105 (2.7)	1.75 (45)			100	1000	500	5000
PRWP2SA-D		7.7 (196)				.187 (4.7)	.093 (2.4)	1.75 (45)			—	—	500	5000
PRWP2SB-D		7.8 (198)				.187 (4.7)	.157 (4.0)	1.75 (45)			—	—	500	5000
PRWP2H-TL	Hvy.	8.9 (226)	.300 (7.6)	.075 (1.9)	.370 (9.4)	.252 (6.4)	.105 (2.7)	2.00 (51)	120 (534)		—	—	250	2500
PRWP3H-TL		12.0 (305)						3.00 (76)			—	—	250	2500

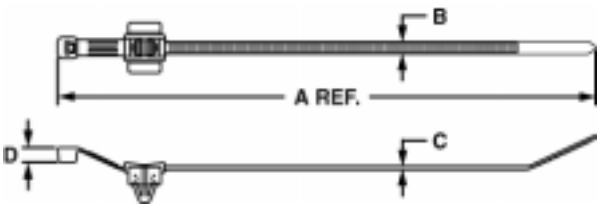
Most commonly used parts appear in **BOLD**.

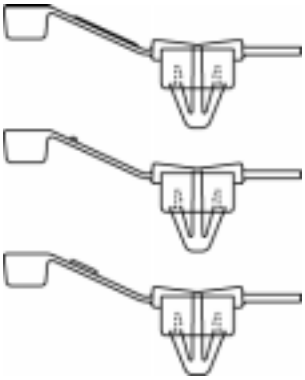
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to 41*.

For colors and other materials, *See Page 36 to 39.*

PAN-TY® Center Mounted Heat Stabilized Nylon 6.6 Wing Push Mount Ties

Center-mounted wing push-mount cable ties center the bundle on all bundle diameters.





PLWP30, 40 50SC winged push-mount cable ties are for normal wire bundles.

PLWP30, 40, 50SD winged push-mount cable ties with convoluted tubing bump that prevents lateral and axial movement on convoluted tubing.

PLWP30, 40, 50SE winged push-mount cable ties with convoluted tubing bump that prevents lateral movement on convoluted tubing.

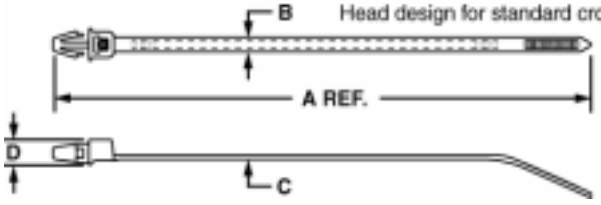
BUNDLE DIAMETERS from .19" to 1.97" (4.8 to 50 mm)

Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Hole Dia. In. (mm)	Panel Thickness In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLWP30SC-D30	Std.	5.8 (147.6)	.19 (4.8)	.050 (1.27)	.220 (5.6)	.283 (7.2)	.118 (3.0)	1.18 (30)	50 (222)	GS2B, GS4H, PPTS, STS2, or STH2	—	—	500	5000
PLWP40SC-D30		7.0 (178.6)						1.58 (40)			—	—	500	5000
PLWP50SC-D30		8.2 (208.3)						1.97 (50)			—	—	500	5000
PLWP30SD-D30		5.8 (147.6)						1.18 (30)			—	—	500	5000
PLWP40SD-D30		7.0 (178.6)						1.58 (40)			—	—	500	5000
PLWP50SD-D30		8.2 (208.3)						1.97 (50)			—	—	500	5000
PLWP30SE-D30		5.8 (147.6)						1.18 (30)			—	—	500	5000
PLWP40SE-D30		7.0 (178.6)						1.58 (40)			—	—	500	5000
PLWP50SE-D30		8.2 (208.3)						1.97 (50)			—	—	500	5000

Most commonly used parts appear in **BOLD**.

PAN-TY® Nylon 6.6 Push Mount Ties

Style PLP



Head design for intermediate cross-section ties

Economical push mount tie style.

PLP1.5I-C	Int.	6.13 (155)	.135 (3.4)	.045 (1.1)	.236 (6.0)	.187 (4.7)	.093 (2.4)	1.25 (31.8)	40 (178)	GS2B, PPTS orSTS2	100	1000	1000	25000
PLP1S-C	Std.	5.3 (134)	.180 (4.6)	.050 (1.3)	.354 (9.0)	.250 (6.4)	.125 (3.2)	1.00 (25.4)	50 (222)	GS2B, GS4H PPTS, STS2 or STH2	100	1000	1000	10000
PLP1.5S-C		6.7 (170)						1.50 (38)			100	1000	1000	10000
PLP2S-C		7.87 (199)						1.75 (44.5)			100	1000	1000	10000

Most commonly used parts appear in **BOLD**.

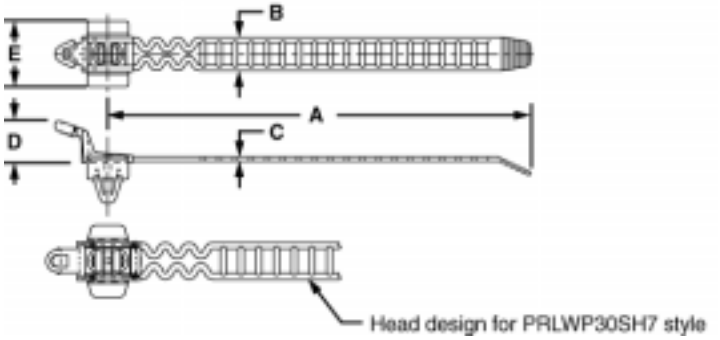
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for PLP parts is Standard Package Quantity. For Bulk Package Part Numbers, *See Page 40 to 41*.
Part Number shown for PLWP parts is Bulk Package Quantity. Releasable styles available—contact factory.

For colors and other materials, *See Page 36 to 39.*

PANDUIT® Heat Stabilized Nylon 6.6 Winged Push Mount Ties

Ladder Style Heat Stabilized Nylon 6.6 Wing Push Mount Ties

Unique releasable ladder design eliminates the need for multiple clamp sizes.



Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Hole Dia. In. (mm)	Panel Thickness In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PRLWP30S-C30	Std.	4.7 (120)	.38 (9.7)	.050 (1.3)	.47 (12)	.248 to .264 (6.3 to 6.7)	.118 (3.0)	1.43 (36)	35 (156)	Hand Installed Only	100	5000	500	5000
PRLWP30SH7-D30		4.87 (124)			.48 (12.2)			1.43 (36)			—	—	500	5000
PRLWP50S-C30		7.1 (180)			.47 (12)			2.18 (55)			100	5000	500	5000

DOME-TOP® BARB-TY® Cable Ties/PAN-TY® Cable Ties/ Clamp Ties/Marker Ties in Convenient Small Packages

For small jobs where you don't need a standard size package of ties.

Part Number	Type	Cross Section	Length A In. (mm)	Std. Pkg. Qty.	Std. Ctn. Qty.
BT1.5I-Q BT1.5I-Q0	DOME-TOP BARB-TY Cable Ties	Int.	6.1 (155)	25	250
BT2S-Q BT2S-Q0		Std.	8.0 (203)	25	250
BT3S-X BT3S-X0			12.0 (305)	10	100
BT4S-X BT4S-X0			15.1 (384)	10	100
BT4LH-X BT4LH-X0		Lt. Hvy.	14.9 (378)	10	100
IT965-X0	In-Line Cable Ties	Hvy.	10.1 (258)	10	100
IT9100-X0			14.1 (359)	10	100
PLT.7M-Q	PAN-TY Cable Ties	Min.	3.1 (79)	25	250
PLT1M-Q PLT1M-Q0			3.9 (99)	25	250
PLT1M-Q76			4.0 (102)	25	250
PLT1.5M-Q			5.6 (142)	25	250
PLT2M-Q			8.0 (203)	25	250
PLT1.5I-Q PLT1.5I-Q0		Int.	5.6 (142)	25	250
PLT2I-Q			8.0 (203)	25	250
PLT3I-X			11.4 (290)	10	100
PLT4I-X			14.6 (371)	10	100
PLT2S-Q PLT2S-Q0		Std.	7.4 (188)	25	250

Part Number	Type	Cross Section	Length A In. (mm)	Std. Pkg. Qty.	Std. Ctn. Qty.
PLT2S-Q53	PAN-TY Cable Ties	Std.	7.4 (188)	25	250
PLT2S-Q54				25	250
PLT2S-Q55				25	250
PLT2S-Q59				25	250
PLT2S-X76	PAN-TY Cable Ties	Std.	7.4 (188)	10	100
PLT2S-X702			7.4 (188)	10	100
PLT3S-X			11.5 (292)	10	100
PLT4S-X			14.5 (368)	10	100
PLT4S-X0					
PLT4H-X		Hvy.	14.5 (368)	10	100
PLT4H-X0					
PRT1S-Q	PAN-TY Releasable Cable Ties	Std.	4.8 (122)	25	250
PRT2S-Q			7.4 (188)	25	250
PRT3S-X			11.5 (292)	10	100
PRT4S-X			14.5 (368)	10	100
PRT4H-X		Hvy.	14.5 (368)	10	100
PLC1M-S4-Q	PAN-TY Clamp Ties	Min.	4.3 (110)	25	250
PLC2S-S10-Q		Std.	7.9 (201)	25	250
PLM1M-Q	PAN-TY Marker Tie	Min.	3.9 (99)	25	250

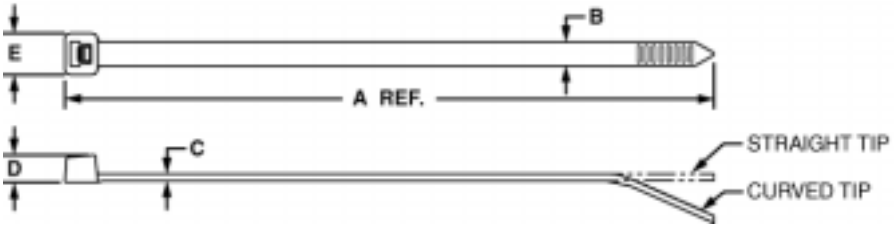
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to Page 41.

For colors and other materials, See Page 36 to 39.

PAN-TY® Weather Resistant Nylon Cable Ties

Weather resistant nylon has greater resistance to ultraviolet light which damages natural nylon. Where adverse outdoor conditions exist, see technical/application data section (Page 58 to 62) to select proper cable tie material for specific applications.

For Outdoor Use



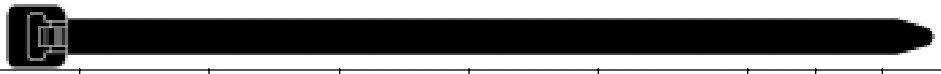
SUB-MINIATURE AND MINIATURE CROSS SECTION

Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLT.6SM-C0	2.8 (71)	.070 (1.8)	.030 (.76)	.095 (2.4)	.125 (3.2)	.60 (15)	8 (36)	—	100	1000	1000	50000
PLT1M-C0	3.9 (99)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	.87 (22)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	50000
PLT1.5M-C0	5.6 (142)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	1.25 (32)	18 (80)		100	1000	1000	50000
PLT2M-C0	8.0 (203)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	2.00 (51)	18 (80)		100	1000	1000	25000

INTERMEDIATE CROSS SECTION

PLT1.5I-C0	5.6 (142)	.142 (3.6)	.045 (1.2)	.180 (4.6)	.240 (6.1)	1.38 (35)	40 (178)	GS2B, PPTS or STS2	100	1000	1000	25000
PLT2I-C0	8.0 (203)	.142 (3.6)	.045 (1.2)		.240 (6.1)	2.00 (51)			100	1000	1000	25000
PLT2.5I-C0	9.7 (248)	.142 (3.6)	.052 (1.3)		.240 (6.1)	2.50 (64)			100	1000	1000	10000
PLT3I-C0	11.4 (290)	.145 (3.7)	.052 (1.3)		.280 (6.6)	3.00 (76)			100	1000	1000	10000
PLT4I-C0	14.6 (371)	.145 (3.7)	.052 (1.3)		.280 (6.6)	4.00 (102)			100	1000	1000	10000

STANDARD CROSS SECTION



PLT1S-C0	4.8 (122)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.316 (8.0)	1.00 (25)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
PLT1.5S-C0	6.2 (157)				.316 (8.0)	1.50 (38)			100	1000	1000	10000
PLT2S-C0	7.4 (188)				.316 (8.0)	1.88 (48)			100	1000	1000	10000
PLT2.5S-C0	9.8 (249)				.337 (8.6)	2.50 (64)			100	1000	1000	10000
PLT3S-C0	11.5 (292)				.337 (8.6)	3.00 (76)			100	1000	1000	10000
PLT3.5S-C0	13.0 (330)				.337 (8.6)	3.50 (89)			100	1000	1000	10000
PLT4S-C0	14.5 (368)				.337 (8.6)	4.00 (102)			100	1000	1000	5000
PLT4.5S-C0	15.5 (394)				.337 (8.6)	4.50 (114)			100	1000	1000	5000
PLT5S-C0	17.5 (445)				.337 (8.6)	5.00 (127)			100	500	1000	5000

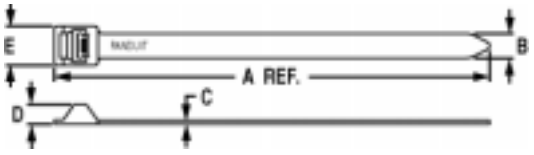
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to 41.
or colors and other materials, See Page 36 to 39.
Most commonly used parts appear in **BOLD**.

LIGHT HEAVY AND HEAVY CROSS SECTION

Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
120 Lb. Minimum Loop Tensile												
PLT2H-L0	8.1 (206)	.300 (7.6)	.075 (1.9)	.290 (7.4)	.480 (12.2)	2.00 (51)	120 (534)	GS4H, GS4EH PPTEH or STH2	50	500	250	2500
PLT2.5H-L0	10.0 (254)			.290 (7.4)		2.50 (64)			50	500	250	2500
PLT3H-L0	11.4 (290)			.290 (7.4)		3.00 (76)			50	500	250	2500
PLT4H-L0	14.5 (368)			.290 (7.4)		4.00 (102)			50	500	250	2500
PLT6LH-L0	21.9 (556)			.325 (8.3)		6.00 (152)			50	500	100	2000
PLT7LH-L0	24.7 (627)			.325 (8.3)		7.00 (178)			50	500	100	2000
PLT8LH-L0	27.6 (701)			.325 (8.3)		8.00 (203)			50	500	100	2000
PLT9LH-L0	30.5 (775)			.325 (8.3)		9.00 (229)			50	500	100	1000
PLT10LH-L0	34.3 (871)			.325 (8.3)		10.31 (262)			50	1000	100	1000
175 Lb. Minimum Loop Tensile												
PLT5H-L0	17.7 (450)	.350 (8.9)	.078 (2.0)	.340 (8.8)	.560 (14.2)	5.00 (127)	175 (778)	GS4H, GS4EH PPTEH or STH2	50	500	250	2500
PLT6H-L0	20.9 (530)					6.00 (152)			50	500	250	2000
PLT8H-L0	30.6 (779)					9.00 (229)			50	500	100	1000
PLT13H-Q0	43.3 (1100)					13.00 (330)			25	500	100	500

Most commonly used parts appear in **BOLD**.

PAN-TY® Locking Weather Resistant Nylon Lashing Ties



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Weather Resistant Nylon 6.6 For Outdoor Use - resists ultraviolet light												
PLT2EH-Q0	9.0 (229)	.500 (12.7)	.075 (1.9)	.40 (10.2)	.80 (20.3)	2.0 (51)	250 (1112)	GS4H, GS4EH PPTEH or STH2	25	250	100	1000
PLT5EH-Q0	20.1 (510)		.075 (1.9)			5.0 (127)			25	250	100	1000
PLT6EH-Q0	22.2 (563)		.075 (1.9)			6.0 (152)			25	250	100	1000
PLT8EH-Q0	28.3 (718)		.085 (2.2)			8.0 (203)			25	250	100	1000
PLT10EH-Q0	34.2 (868)		.085 (2.2)			10.0 (254)			25	250	100	500
PLT12EH-Q0	40.1 (1018)		.085 (2.2)			12.0 (305)			25	250	100	500

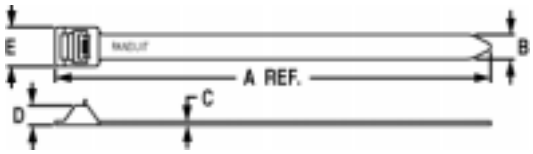
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.

†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to 41.

For colors and other materials, See Page 36 to 39.

PAN-TY® Releasable Weather Resistant Nylon Lashing Ties

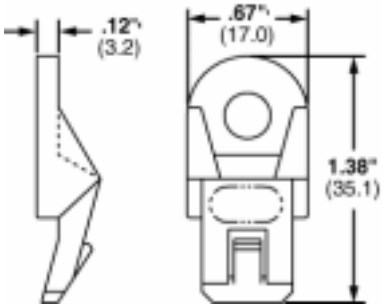


Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Weather Resistant Nylon 6.6 For Outdoor Use - resists ultraviolet light												
PRT2EH-Q0	9.0 (229)	.500 (12.7)	.075 (1.9)	.40 (10.2)	.80 (20.3)	2.0 (51)	250 (1112)	Hand Installed Only	25	250	100	1000
PRT5EH-Q0	20.1 (510)		.075 (1.9)			5.0 (127)			25	250	100	1000
PRT6EH-Q0	22.2 (563)		.075 (1.9)			6.0 (152)			25	250	100	1000
PRT8EH-Q0	28.3 (718)		.085 (2.2)			8.0 (203)			25	250	100	1000
PRT10EH-Q0	34.2 (868)		.085 (2.2)			10.0 (254)			25	250	100	500
PRT12EH-Q0	40.1 (1018)		.085 (2.2)			12.0 (305)			25	250	100	500

Most commonly used parts appear in **BOLD**.

Lashing Tie Mounting Clip

Converts ***PANDUIT PAN-TY*** Lashing Ties into clamps. Easily snaps in place for a secure clamp.

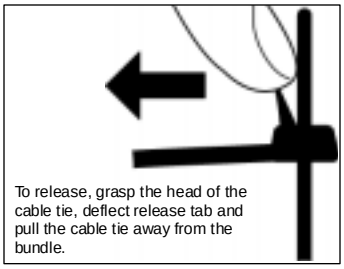


Part Number†	Used With Cable Ties	Dimensions Inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
MCEH-S25-C0	Lashing Ties "EH" Cross Section (see pgs. 6, 7, 14 & above)	See drawing			Weather-Resistant Nylon	Black	Outdoors or indoors	1/4" (M6) screw (except flathead)	—	—	100	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to 41*.

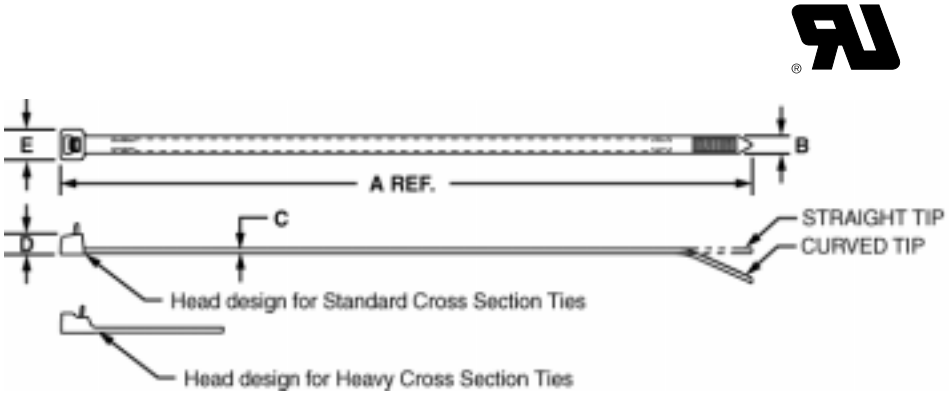
For colors and other materials, *See Page 36 to 39.*

Releasable Cable Ties (PRT Series)



To release, grasp the head of the cable tie, deflect release tab and pull the cable tie away from the bundle.

The extended tab end of releasable cable ties permits easy release and reuse even after tie has been pulled up snug by hand. Releasable ties are particularly useful in harnessing where changes are anticipated during development, production or servicing in the field.

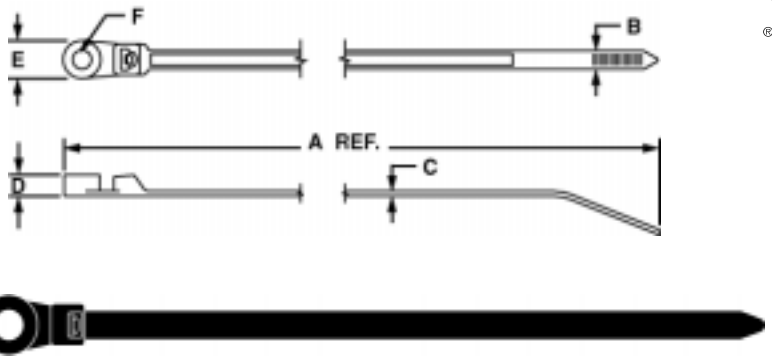


Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Standard Cross Section													
PRT1S-C0	Std.	4.8 (122)	.190 (4.8)	.052 (1.3)	.219 (5.6)	.316 (8.0)	1.00 (25)	50 (222)	Hand Installed Only	100	1000	100	10000
PRT1.5S-C0		6.3 (160)				.316 (8.0)	1.50 (38)			100	1000	100	10000
PRT2S-C0		7.4 (188)				.316 (8.0)	1.88 (48)			100	1000	100	10000
PRT3S-C0		11.5 (292)				.337 (8.6)	3.00 (76)			100	1000	100	10000
PRT4S-C0		14.5 (368)				.337 (8.6)	4.00 (102)			100	1000	100	5000
Heavy Cross Section													
PRT2H-L0	Hvy.	8.4 (213)	.300 (7.6)	.075 (1.9)	.300 (7.6)	.480 (12.2)	2.00 (51)	80 (356)		50	500	250	2500
PRT3H-L0		11.4 (290)					3.00 (76)			50	500	250	2500
PRT4H-L0		14.5 (368)					4.00 (102)			50	500	250	2500

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to 41.
For colors and other materials, See Page 36 to 39.

PAN-TY® Weather Resistant Nylon Clamp Ties

Clamps are used to attach a bundle to another surface such as a control panel, wall or ceiling using another fastener. The design allows for bundling before or after screwing clamp in place.



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Boss Height D In. (mm)	Head Width E In. (mm)	Hole Dia. F In. (mm)	Screw Size	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Miniature Cross Section														
PLC1M-S4-C0	4.3 (110)	.100 (2.5)	.045 (1.2)	.153 (3.9)	.239 (6.1)	.118 (3.0)	#4 (M2.5)	.75 (20)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	50000
Intermediate Cross Section														
PLC1.5I-S8-C0	6.1 (156)	.135 (3.4)	.045 (1.2)	.166 (4.2)	.335 (8.5)	.172 (4.4)	#8 (M4)	1.25 (32)	40 (178)	GS2B, PPTS or STS2	100	1000	1000	25000
Standard Cross Section														
PLC2S-S6-C0	7.9 (201)	.190 (4.8)	.047 (1.2)	.160 (4.1)	.390 (10.0)	.145 (3.7)	#6 (M3)	1.84 (46.7)	50 (222)	GS2B, GS4H PPTS, STS2 or STH2	100	1000	1000	10000
PLC2S-S10-C0	7.9 (201)		.047 (1.2)	.160 (4.1)		.206 (5.2)	#10 (M5)	1.84 (46.7)			100	1000	1000	10000
PLC3S-S10-C0	12.0 (305)		.052 (1.3)	.220 (5.6)		.206 (5.2)	#10 (M5)	3.00 (76)			100	1000	1000	5000
PLC4S-S10-C0	15.0 (381)		.052 (1.3)	.220 (5.6)		.206 (5.2)	#10 (M5)	4.00 (102)			100	1000	1000	5000
Heavy Cross Section														
PLC2H-S25-L0	9.0 (228)	.300 (7.6)	.075 (1.9)	.265 (6.7)	.500 (12.7)	.260 (6.6)	1/4 (M6)	2.00 (51)	120 (534)	GS4H, GS4EH PPTEH or STH2	50	500	250	2500
PLC3H-S25-L0	12.0 (305)							3.00 (76)			50	500	250	2500
PLC4H-S25-L0	15.1 (384)							4.00 (102)			50	500	250	2500

Most commonly used parts appear in **BOLD**.

For Heavy Duty Vibration and Loading Applications

Tie features reinforcing ribs between tie head and mounting boss that strengthen and stabilize this area of the tie, making it ideal for heavy duty applications.

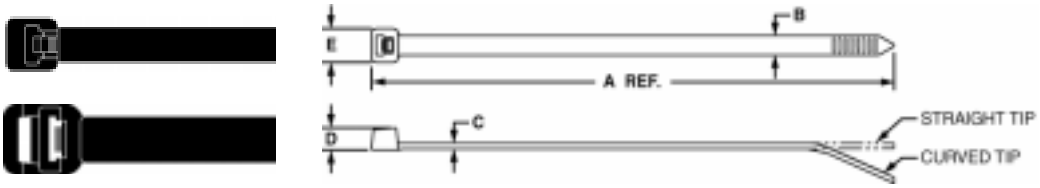
PLCR4H-S25-L0	15.1 (384)	.300 (7.6)	.075 (1.9)	.265 (6.7)	.500 (12.7)	.260 (6.6)	1/4 (M6)	4.00 (102)	120 (534)	GS4H, GS4EH, PPTEH, STH2	50	500	250	2500

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to 41.
Part Number shown for Center Mounted Clamp Ties is Bulk Package Quantity.

For colors and other materials, See Page 36 to 39.

PAN-TY® Weather Resistant Polypropylene Cable Ties for Outdoor Use

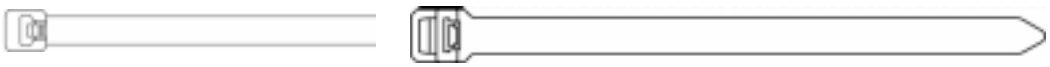
For chemical resistance in outdoor applications that are unsuitable for nylon and that do not require high loop tensile strengths. Color is black.



Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Tool Setting	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
PLT1M-M100	Min.	3.9 (99)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	.87 (22)	11 (49)	GS2B, PPTS or STS2	2	1000	50000
PLT1.5I-M100	Int.	5.6 (142)	.142 (3.6)	.045 (1.2)	.180 (4.6)	.240 (6.1)	1.38 (35)	18 (80)		3	1000	25000
PLT2S-M100	Std.	7.4 (188)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.316 (8.0)	1.88 (48)	30 (133)	GS2B, GS4H, PPTS, STS2 or STH2	5	1000	10000
PLT3S-M100		11.5 (292)				.337 (8.6)	3.00 (76)				1000	10000
PLT4S-M100		14.5 (368)				.337 (8.6)	4.00 (102)				1000	5000
PLT2H-TL100	Hvy.	8.4 (213)	.300 (7.6)	.075 (1.9)	.290 (7.4)	.480 (12.2)	2.00 (51)	50 (222)	GS4H, PPTEH or STH2	5	250	2500
PLT3H-TL100		11.4 (290)					3.00 (76)				250	2500
PLT4H-TL100		14.5 (368)					4.00 (102)				250	2500
PRT2EH-C100	Extra Heavy (Releasable)	9.0 (229)	.500 (12.7)	.075 (1.9)	.40 (10.2)	.80 (20.3)	2.00 (51)	90 (400)	Hand Installed	—	100	1000
PRT5EH-C100		20.1 (510)		.075 (1.9)			5.00 (127)				100	1000
PRT6EH-C100		22.2 (563)		.075 (1.9)			6.00 (152)				100	1000
PRT8EH-C100		28.3 (718)		.085 (2.2)			8.00 (203)				100	1000

Natural Polypropylene Cable Ties for Indoor Use

For chemical resistance in indoor applications. Can be used in areas where hydrochloric acid, salts and bases are present. Natural polypropylene cable ties have a distinctive green color.



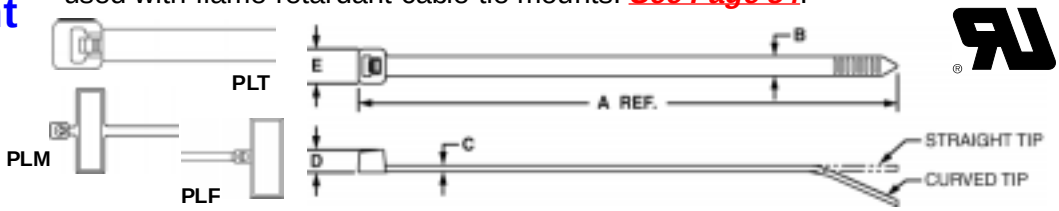
PLT1M-M109	Min.	3.9 (99)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.180 (4.6)	.87 (22)	11 (49)	GS2B, PPTS or STS2	2	1000	50000
PLT1.5I-M109	Int.	5.6 (142)	.142 (3.6)	.045 (1.2)	.180 (4.6)	.240 (6.1)	1.38 (35)	18 (80)		3	1000	25000
PLT2S-M109	Std.	7.4 (188)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.316 (8.0)	1.88 (48)	30 (133)	GS2B, GS4H, PPTS, STS2 or STH2	5	1000	10000
PLT3S-M109		11.5 (292)				.337 (8.6)	3.00 (76)				1000	10000
PLT4S-M109		14.5 (368)				.337 (8.6)	4.00 (102)				1000	5000
PLT2H-TL109	Hvy.	8.4 (213)	.300 (7.6)	.075 (1.9)	.290 (7.4)	.480 (12.2)	2.00 (51)	50 (222)	GS4H, PPTEH or STH2	5	250	2500
PLT3H-TL109		11.4 (290)					3.00 (76)				250	2500
PLT4H-TL109		14.5 (368)					4.00 (102)				250	2500
PRT2EH-C109	Extra Heavy (Releasable)	9.0 (229)	.500 (12.7)	.075 (1.9)	.40 (10.2)	.80 (20.3)	2.00 (51)	90 (400)	Hand Installed	—	100	1000
PRT5EH-C109		20.1 (510)		.075 (1.9)			5.00 (127)				100	1000
PRT6EH-C109		22.2 (563)		.075 (1.9)			6.00 (152)				100	1000
PRT8EH-C109		28.3 (718)		.085 (2.2)			8.00 (203)				100	1000

*Order the Number of Pieces Required in Multiples of Packaging Quantities. Most commonly used parts appear in **BOLD**.
†Part Number shown for Bulk Package Quantity.
For best results, use tool tensions at the low end of the adjustment range, i.e. Std. Cable Ties installed at tool setting 5, to arrive at optimum installation tension.

PANDUIT® Flame Retardant Nylon 6.6 Cable Ties

PAN-TY® Flame Retardant Nylon 6.6 Cable Ties and Marker Ties

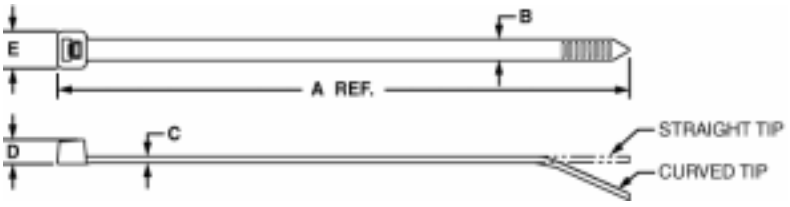
Flame Retardant Nylon 6.6 meets the requirements of U.L. 94V-0. Can be used with flame retardant cable tie mounts. ***See Page 84***.



Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Marker Write-on Area In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
Off White Flame Retardant Nylon 6.6												
PLF1M-M69	Min.	4.3 (109)	.098 (2.5)	.045 (1.1)	.154 (3.9)	.180 (4.6)	.31 x .75 (7.9 x 19.1)	.87 (22)	18 (80)	GS2B, PPTS or STS2	1000	25000
PLM1M-M69		3.9 (99)	.098 (2.5)	.035 (.9)	.154 (3.9)	.180 (4.6)	.26 x .95 (6.6 x 24.1)	.75 (20)			1000	25000
PLT1M-M69		4.0 (102)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.188 (4.8)	—	.87 (22)			1000	25000
PLT2M-M69		8.0 (203)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.188 (4.8)		2.00 (51)			1000	25000
PLT1.5I-M69	Int.	5.6 (142)	.139 (3.5)	.044 (1.1)	.177 (4.5)	.239 (6.1)	—	1.38 (35)	40 (178)	GS2B, PPTS or STS2	1000	25000
PLT2I-M69		8.0 (203)	.142 (3.6)	.044 (1.1)	.177 (4.5)	.239 (6.1)		2.00 (51)			1000	25000
PLT2S-M69	Std.	7.4 (188)	.190 (4.8)	.055 (1.4)	.220 (5.6)	.320 (8.1)	—	1.88 (48)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	1000	10000
PLT4S-M69		14.5 (368)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.337 (8.6)		4.00 (102)			1000	5000
PLT4H-TL69	Hvy.	14.6 (371)	0.3 (7.6)	.075 (1.9)	.360 (9.1)	.480 (12.2)	—	4.00 (102)	120 (533)	GS4H, GS4EH, PPTEH or STH2	250	2500
Black Flame Retardant Nylon 6.6												
PLT1M-M60	Min.	4.0 (102)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.188 (4.8)	—	.87 (22)	18 (80)	GS2B, PPTS or STS2	1000	25000
PLT2M-M60		8.0 (203)	.098 (2.5)	.043 (1.1)	.154 (3.9)	.188 (4.8)		2.00 (51)			1000	25000
PLT2S-M60	Std.	7.4 (188)	.190 (4.8)	.055 (1.4)	.220 (5.6)	.320 (8.1)	—	1.88 (48)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	1000	10000
PLT4S-M60		14.5 (368)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.337 (8.6)		4.00 (102)			1000	5000

PAN-TY® Weather Resistant Nylon 12 Cable Ties

For high moisture, corrosive (zinc chloride and dilute acids) and low temperature indoor or outdoor applications.



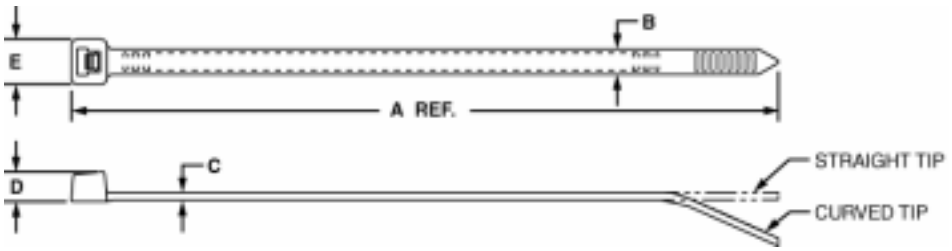
Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
PLT1.5I-M120	Min.	5.6 (142)	.142 (3.6)	.045 (1.2)	.180 (4.6)	.240 (6.1)	1.38 (35)	25 (111)	GS2B, PPTS or STS2	1000	25000
PLT2S-M120	Std.	7.4 (188)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.316 (8.0)	1.88 (48)	40 (178)	GS2B, GS4H, PPTS, STS2 or STH2	1000	10000
PLT4S-M120		14.5 (368)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.337 (8.6)	4.00 (102)	40 (178)		1000	5000
PLT4H-TL120	Hvy.	14.5 (368)	.300 (7.6)	.075 (1.9)	.290 (7.4)	.480 (12.2)	4.00 (102)	90 (399)	GS4H, GS4EH, PPTEH or STH2	250	2500
PLT8LH-C120	Lt. Hvy.	27.6 (701)	.300 (7.6)	.075 (1.9)	.290 (7.4)	.480 (12.2)	8.00 (203)	90 (399)		100	2000

Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Bulk Package Quantity. Most commonly used parts appear in **BOLD**.

PAN-TY® HALAR Fluoropolymer Cable Ties for Plenum Wiring

HALAR cable ties meet NEC recommendations for bundling qualified cable without conduit in plenum spaces. HALAR cable ties have a low smoke density rating and excellent flammability rating (U.L. 94V-0). Other applications include nuclear plants, chemical environments, telecommunications equipment, aerospace, high and low temperature environments. HALAR cable ties have distinctive maroon color.



Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLT1M-C702	Min.	4.0 (102)	.098 (2.5)	.043 (1.1)	.186 (4.7)	.188 (4.8)	.87 (22)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	25000
PLT2S-C702	Std.	7.40 (188)	.190 (4.8)	.055 (1.4)	.240 (6.1)	.320 (8.1)	1.88 (48)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
PLT3S-C702		11.60 (295)	.190 (4.8)	.059 (1.5)	.240 (6.1)	.320 (8.1)	3.00 (76)			100	1000	1000	5000

Most commonly used parts appear in **BOLD**

PAN-TY® TEFZEL Fluoroploymer Cable Ties

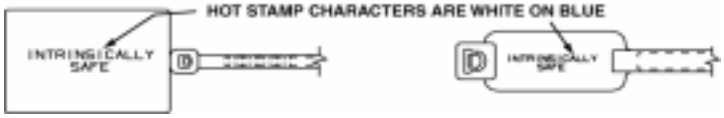
TEFZEL cable ties are ideal for applications requiring resistance to environmental stresses such as chemical attack, gamma radiation, ultraviolet radiation and extreme temperatures. In addition, TEFZEL has a U.L. Flammability rating of UL94V-0. TEFZEL ties have distinctive aqua blue color. TEFZEL cable tie mounts appear on ***Page 84***.

PLT1M-C76	Min.	4.0 (102)	.098 (2.5)	.043 (1.1)	.186 (4.7)	.188 (4.8)	.87 (22)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	25000
PLT2I-C76	Int.	8.0 (203)	.135 (3.4)	.051 (1.3)	.180 (4.6)	.240 (6.1)	2.00 (51)	25 (111)		100	1000	1000	10000
PLT2S-C76	Std.	7.40 (188)	.190 (4.8)	.055 (1.4)	.240 (6.1)	.320 (8.1)	1.88 (48)	50 (222)	GS2B, GS4H PPTS, STS2 or STH2	100	1000	1000	10000
PLT3S-C76		11.60 (295)	.190 (4.8)	.059 (1.5)	.240 (6.1)	.320 (8.1)	3.00 76)			100	1000	1000	5000
PLT4S-C76		14.60 (371)	.190 (4.8)	.059 (1.5)	.240 (6.1)	.320 (8.1)	4.00 (102)			100	1000	1000	5000
PLT3H-L76	Hvy.	11.50 (292)	.300 (7.6)	.075 (1.9)	.360 (9.1)	.480 (12.2)	3.07 (78)	120 (533)	GS4H, GS4EH PPTEH or STH2	50	500	250	2500
PLT4H-L76		14.60 (371)	.300 (7.6)	.075 (1.9)	.360 (9.1)	.480 (12.2)	4.00 (102)			50	500	250	2500

Most commonly used parts appear in **BOLD**

PAN-TY® Marker Ties for Intrinsically Safe Wiring

Intrinsically safe wiring is defined as “wiring which is incapable of releasingsufficient electrical or thermal energy to cause ignition of the specificsurrounding atmosphere.” The special blue color, which meets IECstandards, indicates that the marked circuits are intrinsically safe.

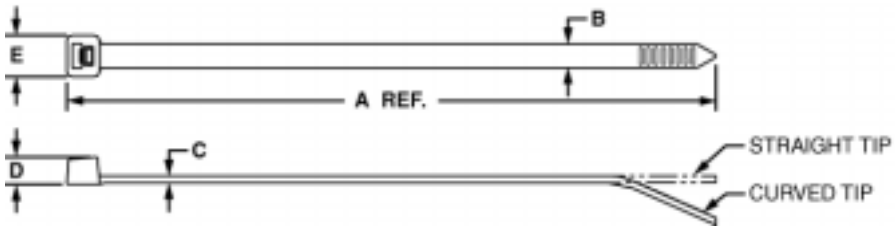


Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Marker Area In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLF1MA-IB-C6	Min.	5.1 (130)	.098 (2.5)	.045 (1.1)	.812 x 1.12 (20.6 x 28)	.87 (22)	18 (80)	GS2B, PPTS or STS2	100	1000	—	—
PLM2S-IB-C6	Std.	7.4 (188)	.185 (4.7)	.052 (1.3)	.520 x 1.09 (13.2 x 27.7)	1.75 (45)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	—	—

▲HALAR is the Registered Trademark for Ausimont, Inc., fluoropolymer. ■TEFZEL is the Registered Trademark of E. I. DuPont Co., fluoropolymer.
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, ***See Page 40 to 41***

PAN-TY® Nylon 6.6 Fluorescent Ties

Designed for packaging and color-coding applications. Ties are offered in four “hot” colors: Orange, Yellow, Green and Pink.



Part Number†	Color	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging*			
											Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLT1M-C53	Orange	Min.	3.9 (99)	.10 (2.5)	.098 (2.5)	.154 (3.9)	.180 (4.6)	.87 (22)	18 (80)	STS, GS2B, PPTS	100	1000	1000	50000
PLT1M-C54	Yellow										100	1000	1000	50000
PLT1M-C55	Green										100	1000	1000	50000
PLT1M-C59	Pink										100	1000	1000	50000
PLT2I-C53	Orange	Int.	8.0 (203)	.14 (3.6)	.045 (1.2)	.180 (4.6)	.240 (6.1)	2.00 (51)	40 (178)	STS GS2B, PPTS	100	1000	1000	25000
PLT2I-C54	Yellow										100	1000	1000	25000
PLT2I-C54	Green										100	1000	1000	25000
PLT2I-C59	Pink										100	1000	1000	25000
PLT2S-C53	Orange	Std.	7.4 (188)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.316 (8.0)	1.88 (48)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
PLT2S-C54	Yellow										100	1000	1000	10000
PLT2S-C55	Green										100	1000	1000	10000
PLT2S-C59	Pink										100	1000	1000	10000
PLT3S-C53	Orange		11.5 (292)	.190 (4.8)	.052 (1.3)	.220 (5.6)	.337 (8.6)	3.00 (76)	50 (222)		100	1000	1000	10000
PLT3S-C54	Yellow										100	1000	1000	10000
PLT3S-C55	Green										100	1000	1000	10000
PLT3S-C59	Pink										100	1000	1000	10000

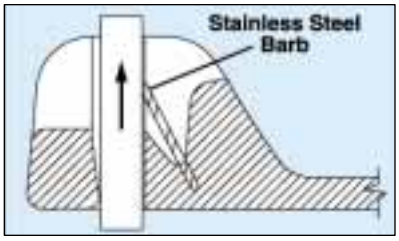
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for High Density Polyethylene is Bulk Package Quantity.
Part Number shown for Fluorescent parts is Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to 41*.

DOME-TOP® BARB-TY® Cable Tie Features/Benefits

1. STAINLESS STEEL BARB

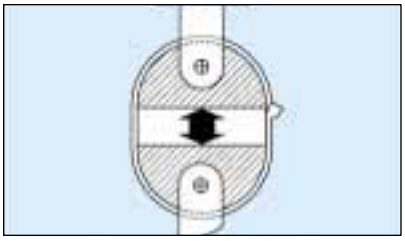
- Made of 316 corrosion resistant stainless steel
- Provides consistent performance and reliability for users who prefer a cable tie with a metal barb
- Infinitely adjustable for tight bundles through its entire bundle range

2. LOW THREADING FORCE



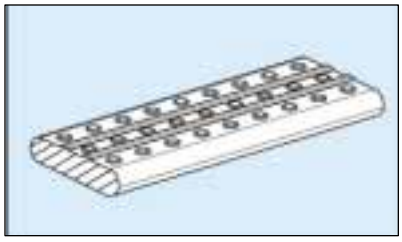
- Reduces installer fatigue
- Increases productivity

3. HIGH TENSILE STRENGTH



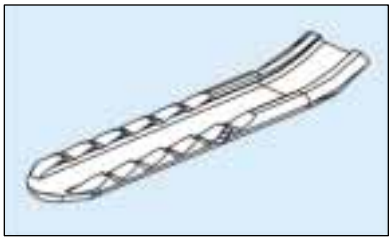
- Exceeds industry and military (MIL-S-23190E) standards
- Available in four loop tensile strengths from 18 lbs. (80N) to 120 lbs. (534N) to provide a wide selection

4. ANTI-SLIP STRAP BODY



- Ribbed and stippled strap bodyprevents axial and lateralmovement

5. FINGER TIP GRIP

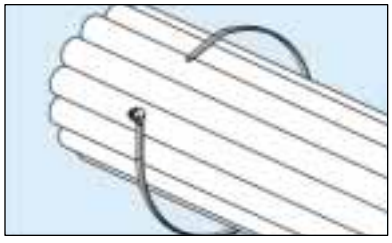


- Exclusively designed finger grip is available on all sizes of ***DOME-TOP BARB-TY*** Cable Ties to assure positive grip during threading of the tie

6. ANTI-SPRING BACK TIP

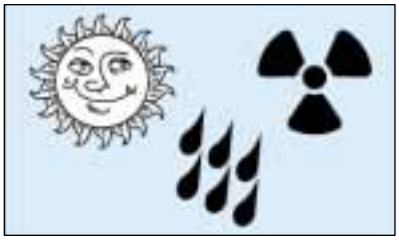
- Tip engages when inserted into head

7. CURVED TIP



- Orients tip toward head to speed installation; lowers installed cost
- Faster initial threading
- Easier to pick up from flat surfaces

8. MATERIAL/SIZE AVAILABILITY



- Available in lengths from 4.0" to 30.7" to meet a variety of applications
- Several materials available for special environments: Natural 6.6 nylon, weather resistant black 6.6 nylon, heat stabilized 6.6 nylon and 11 different colors

9. TEMPERATURE RATINGS

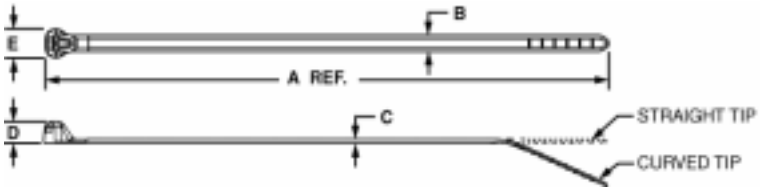
	Natural 6.6 Nylon and Weather Resistant 6.6 Nylon	Heat Stabilized 6.6Nylon
Max. Min.	185°F (85°C) -40°F (-40°C)	221°F (105°C) -40°F (-40°C)

DOME-TOP® BARB-TY® Nylon 6.6 Locking Cable Ties

- Available in Miniature, Intermediate, Standard and Light Heavy Cross Section
- Bundle diameters up to 9.00" (229mm)
- Available in natural, weather resistant and heat stabilized nylon and 11 different colors
- Tool or hand installed

Side View

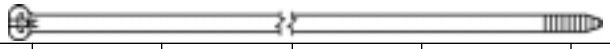
Front View



MINIATURE CROSS SECTION

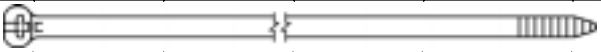
Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
BT1M-C	4.0 (102)	.095 (2.4)	.036 (0.9)	.156 (4.0)	.172 (4.4)	.90 (23)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	50000
BT1.5M-C	6.3 (160)		.046 (1.2)		.182 (4.6)	1.50 (38)			100	1000	1000	25000
BT2M-C	7.9 (201)					2.00 (51)			100	1000	1000	25000
BT3M-C	11.1 (282)					3.00 (76)			100	1000	1000	10000
BT4M-C	14.2 (361)					4.00 (102)			100	1000	1000	10000

INTERMEDIATE CROSS SECTION



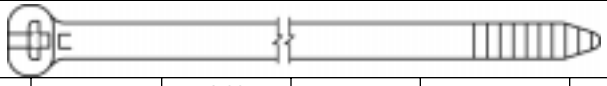
BT1.5I-C	6.1 (155)	.141 (3.6)	.041 (1.0)	.185 (4.7)	.248 (6.3)	1.50 (38)	40 (178)	GS2B, PPTS or STS2	100	1000	1000	25000
BT2I-C	8.0 (203)					2.00 (51)			100	1000	1000	25000
BT3I-C	11.1 (282)		.049 (1.2)			3.00 (76)			100	1000	1000	10000
BT4I-C	14.3 (363)					4.00 (102)			100	1000	1000	10000

STANDARD CROSS SECTION



BT2S-C	8.0 (203)	.185 (4.7)	.045 (1.2)	.220 (5.6)	.320 (8.1)	2.00 (51)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
BT3S-C	12.0 (305)		.052 (1.3)			3.00 (76)			100	1000	1000	10000
BT4S-C	15.1 (384)					4.00 (102)			100	1000	1000	5000

LIGHT HEAVY CROISS SECTION (Straight Tip)



BT2LH-L	8.7 (221)	.275 (7.0)	.065 (1.7)	.320 (8.1)	.520 (13.2)	2.00 (51)	120 (534)	GS4H, GS4EH, PPTEH, STH2, or ST2EH	50	500	250	2500
BT3LH-L	11.8 (300)					3.00 (76)			50	500	250	2500
BT4LH-L	14.9 (378)					4.00 (102)			50	500	250	2500
BT5LH-L	18.1 (460)					5.00 (127)			50	500	100	2000
BT6LH-L	21.2 (538)					6.00 (152)			50	500	100	2000
BT7LH-L	24.4 (620)					7.00 (178)			50	500	100	2000
BT8LH-L	27.5 (699)					8.00 (203)			50	500	100	1000
BT9LH-L	30.7 (780)					9.00 (229)			50	500	100	1000

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to 41.

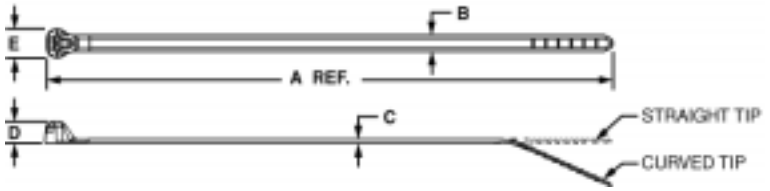
Most commonly used pa rts appear in **BOLD**.
For colors and other materials, See Page 36 to 39.

DOME-TOP® *BARB-TY*® Weather Resistant Nylon Locking Cable Ties

- Available in Miniature, Intermediate, Standard and Light Heavy Cross Section
- Bundle diameters up to 9.00" (229mm)
- Weather resistant nylon has greater resistance to ultra violet light which damages natural nylon
- Tool or hand installed

Side View

Front View



MINIATURE CROSS SECTION

Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended *PANDUIT*® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
BT1M-C0	4.0 (102)	.095 (2.4)	.036 (0.9)	.156 (4.0)	.172 (4.4)	.90 (23)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	50000
BT1.5M-C0	6.3 (160)		.046 (1.2)		.182 (4.6)	1.50 (38)			100	1000	1000	25000
BT2M-C0	7.9 (201)					2.00 (51)			100	1000	1000	25000
BT3M-C0	11.1 (282)					3.00 (76)			100	1000	1000	10000
BT4M-C0	14.2 (361)					4.00 (102)			100	1000	1000	10000

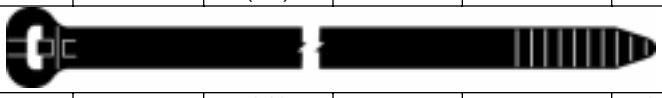
INTERMEDIATE CROSS SECTION

BT1.5I-C0	6.1 (155)	.141 (3.6)	.041 (1.0)	.185 (4.7)	.248 (6.3)	1.50 (38)	40 (178)	GS2B, PPTS or STS2	100	1000	1000	25000
BT2I-C0	8.0 (203)					2.00 (51)			100	1000	1000	25000
BT3I-C0	11.1 (282)		.049 (1.2)			3.00 (76)			100	1000	1000	10000
BT4I-C0	14.3 (363)					4.00 (102)			100	1000	1000	10000

STANDARD CROSS SECTION

BT2S-C0	8.0 (203)	.185 (4.7)	.045 (1.2)	.220 (5.6)	.320 (8.1)	2.00 (51)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
BT3S-C0	12.0 (305)		.052 (1.3)			3.00 (76)			100	1000	1000	10000
BT4S-C0	15.1 (384)					4.00 (102)			100	1000	1000	5000

LIGHT HEAVY CROSS SECTION (Straight Tip)



BT2LH-L0	8.7 (221)	.275 (7.0)	.065 (1.7)	.320 (8.1)	.520 (13.2)	2.00 (51)	120 (534)	GS4H, GS4EH, PPTEH, STH2, or ST2EH	50	500	250	2500
BT3LH-L0	11.8 (300)					3.00 (76)			50	500	250	2500
BT4LH-L0	14.9 (378)					4.00 (102)			50	500	250	2500
BT5LH-L0	18.1 (460)					5.00 (127)			50	500	100	2000
BT6LH-L0	21.2 (538)					6.00 (152)			50	500	100	2000
BT7LH-L0	24.4 (620)					7.00 (178)			50	500	100	2000
BT8LH-L0	27.5 (699)					8.00 (203)			50	500	100	1000
BT9LH-L0	30.7 (780)					9.00 (229)			50	500	100	1000

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, *See Page 40 to 41*.

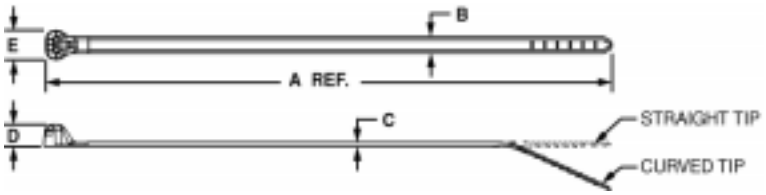
Most commonly used parts appear in **BOLD**.
For colors and other materials, *See Page 36 to 39.*

DOME-TOP® BARB-TY®
Nylon 6.6 Heat Stabilized — Natural (39)

- Available in Miniature, Intermediate, Standard and Light Heavy Cross Section
- Bundle diameters up to 4.00" (102mm)
- Temperature rating: –40°F (–40°C) to 221°F (105°C)
- Tool or hand installed

Side View

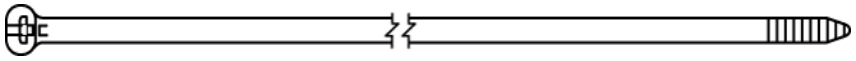
Front View



MINIATURE CROSS SECTION

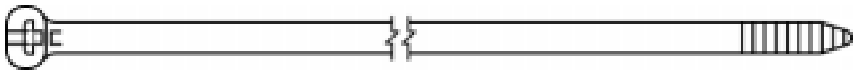
Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
BT1M-C39	4.0 (102)	.095 (2.4)	.036 (0.9)	.156 (4.0)	.172 (4.4)	.90 (23)	18 (80)	GS2B, PPTS or STS2	100	1000	1000	50000

INTERMEDIATE CROSS SECTION



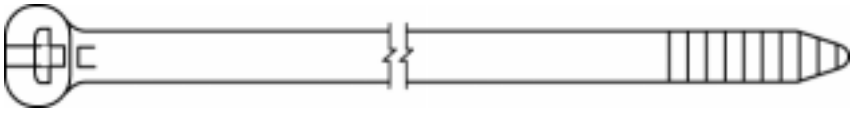
BT1.5I-C39	6.1 (155)	.141 (3.6)	.041 (1.0)	.185 (4.7)	.248 (6.3)	1.50 (38)	40 (178)	GS2B, PPTS or STS2	100	1000	1000	25000

STANDARD CROSS SECTION



BT2S-C39	8.0 (203)	.185 (4.7)	.045 (1.2)	.220 (5.6)	.320 (8.1)	2.00 (51)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
BT3S-C39	12.0 (305)		.052 (1.3)			3.00 (76)			100	1000	1000	10000
BT4S-C39	15.1 (384)					4.00 (102)			100	1000	1000	5000

LIGHT HEAVY CROSS SECTION (Straight Tip)



BT4LH-L39	14.9 (378)	.275 (7.0)	.065 (1.7)	.320 (8.1)	.520 (13.2)	4.00 (102)	120 (534)	GS4H, GS4EH, PPTEH, STH2, or ST2EH	50	500	250	2500

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to Page 41.

For colors and other materials, See Page 36 to 39.

DOME-TOP® BARB-TY® Nylon 6.6 Clamp Ties

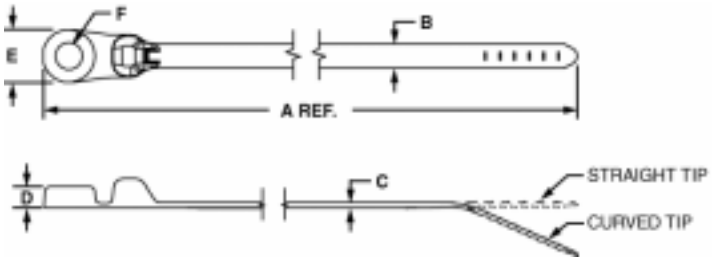
Side View

Front View

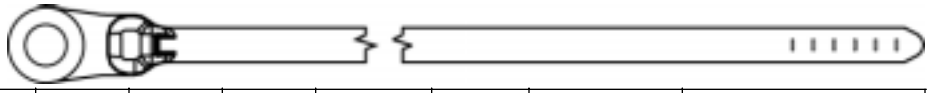
Side View

Front View

- Used to secure a bundle of wires to another surface such as a control panel, wall or ceiling
- The design allows for bundling before or after screwing clamp in place
- Available in Standard and Light Heavy Cross Section
- Bundle diameters up to 4.00" (102mm)
- Available in natural, weather resistant and heat stabilized black nylon

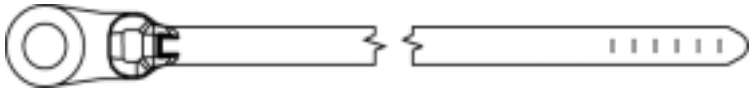


STANDARD CROSS SECTION



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Boss Height D In. (mm)	Boss Width E In. (mm)	Hole Dia. F In.(mm)	Screw Size	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
BC2S-S10-C	8.5 (216)	.185 (4.7)	.052 (1.3)	.160 (4.1)	.400 (10.2)	.206 (5.2)	#10 (M5)	2.00 (51)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
BC3S-S10-C	12.5 (318)							3.00 (76)			100	1000	1000	10000
BC4S-S10-C	15.6 (396)							4.00 (102)			100	1000	1000	5000

LIGHT HEAVY CROSS SECTION (Straight Tip)



BC2LH-S25-L	9.3 (236)	.275 (7.0)	.065 (1.7)	.265 (6.7)	.520 (13.2)	.260 (6.6)	1/4 (M8)	2.00 (51)	120 (534)	GS4H, GS4EH, PPTEH, STH2 or ST2EH	50	500	250	2500
BC3LH-S25-L	12.4 (315)							3.00 (76)			50	500	250	2500
BC4LH-S25-L	15.5 (394)							4.00 (102)			50	500	250	2500

BARB-TY® Weather Resistant

STANDARD CROSS SECTION

BC2S-S10-C0	8.5 (216)	.185 (4.7)	.052 (1.3)	.160 (4.1)	.400 (10.2)	.206 (5.2)	#10 (M5)	2.00 (51)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
BC3S-S10-C0	12.5 (318)							3.00 (76)			100	1000	1000	10000
BC4S-S10-C0	15.6 (396)							4.00 (102)			100	1000	1000	5000

LIGHT HEAVY CROSS SECTION (Straight Tip)

BC2LH-S25-L0	9.3 (236)	.275 (7.0)	.065 (1.7)	.265 (6.7)	.520 (13.2)	.260 (6.6)	1/4 (M8)	2.00 (51)	120 (534)	GS4H, GS4EH, PPTEH, STH2 or ST2EH	50	500	250	2500
BC3LH-S25-L0	12.4 (315)							3.00 (76)			50	500	250	2500
BC4LH-S25-L0	15.5 (394)							4.00 (102)			50	500	250	2500

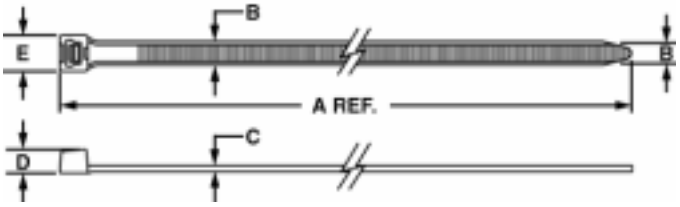
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. For Bulk Pack Part Numbers, See Page 40 to Page 41.

For colors and other materials, See Page 36 to 39.

SUPERFLEX™ Nylon 6.6 Cable Ties

Featuring the world's longest one-piece nylon cable tie—58.50"

Lightweight ties are super flexible to conform to bundle. Unique design provides high strength, increased impact resistance and dimensional stability for improved clamping.



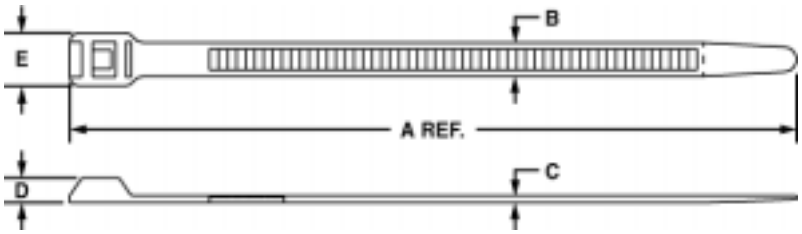
** UL®

Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
** SLT8LH-L	Lt. Hvy.	28.00 (711)	.30 (7.6)	.055 (1.4)	.300 (7.6)	.500 (12.7)	8.00 (203)	120 (534)	GS4H or STHV	50	1000	—	—
** **SLT10LH-L**		34.75 (882)					10.25 (280)			50	1000	—	—
SLT12H-L	Hvy.	40.25 (1022)	.33 (8.3)				12.25 (311)	175 (778)		50	1000	—	—
SLT14H-L		46.00 (1168)					14.25 (362)			50	1000	—	—
SLT16H-L		52.25 (1327)					16.35 (413)			50	1000	—	—
SLT18H-L		58.50 (1486)					18.25 (464)			50	1000	—	—

Also available in weather resistant 6.6 nylon. Add suffix -0, i.e. SLT8LH-L0 and SLT10LH-L0. Most commonly used parts appear in **BOLD.

IN-LINE Nylon 6.6 Cable Ties

IN-LINE ties have serrations on the outside which allow the strap body to be inserted parallel to the strap head. Tie conforms to large bundles better than conventional ties. Available in weather resistant 6.6 nylon (-0). May be installed with ***PANDUIT*** GS4H cable tie installation tools.



Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
IT940-C0	Hvy.	6.8 (172)	.350 (9)	.065 (1.65)	.250 (6.33)	.556 (14.1)	1.57 (40)	124 (550)	GS4H	—	—	100	1000
IT965-C0		10.1 (258)					2.58 (65)			—	—	100	1000
IT9100-C0		14.1 (359)					3.94 (100)			—	—	100	1000
IT9115-C0		15.4 (391)		.075 (1.9)	.270 (6.86)		4.46 (113)			—	—	100	1000
IT9150-C0		20.4 (518)					5.91 (150)			—	—	100	1000
IT9250-C0		33.0 (838)					9.84 (250)			—	—	100	1000

Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for SLT ties is Standard Package Quantity and Part Number shown for In-Line ties is Bulk Package quantity.

IN-LINE Nylon 6.6 Cable Ties For Installing Foam Padding On Playground Applications

NOTE: ***IN-LINE*** Clamp Ties are installed with the teeth on the inside and against the foam.

- Features
- No protruding head to cause injury since head is inverted
- No protruding tie tip to cause injury since the tip is trapped between the tie and foam
- Tie will not slip on the foam since the head will indent the foam to remain captive
- Wide tie body, .350" (9mm) for improved aesthetics
- Cannot overtension tie causing bulges in the foam
- Easy Installation: No installation tools required
  - Flexible and easy to handle
  - No need to heat weld the ends closed
  - No cutoff scrap pieces to handle or pick up
- Strong: 124 lb. loop tensile strength
- Locking wedge is protected from unlocking and from ultraviolet light exposure
- Available in 13 ultraviolet colors that will last 2 to 3 times longer than normal pigmented colors
- Color coordinated to match foam

Part Number†	Description	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Packaging*			
										Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.*	Bulk Ctn. Qty.*
IT9100-CUV2	U.V. Red	Hvy.	14.1 (359)	.350 (9)	.065 (1.65)	.250 (6.33)	.556 (14.1)	3.94 (100)	124 (550)	—	—	100	1000
IT9100-CUV4	U.V. Yellow									—	—	100	1000
IT9100-CUV4A	U.V. Butterscotch									—	—	100	1000
IT9100-CUV5A	U.V. Green									—	—	100	1000
IT9100-CUV5B	U.V. Hunter Green									—	—	100	1000
IT9100-CUV6	U.V. Dark Blue									—	—	100	1000
IT9100-CUV6A	U.V. Light Blue									—	—	100	1000
IT9100-CUV6B	U.V. Cobalt Blue									—	—	100	1000
IT9100-CUV7A	U.V. Purple									—	—	100	1000
IT9100-CUV8	U.V. Silver									—	—	100	1000
IT9100-CUV11	U.V. Teal									—	—	100	1000
IT9100-CUV16B	U.V. Pink									—	—	100	1000
IT9100-C0	U.V. Black									—	—	100	1000

Part Number†	Description	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Packaging*			
										Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.*	Bulk Ctn. Qty.*
IT9115-CUV2	U.V. Red	Hvy.	15.4 (391)	.350 (9)	.075 (1.9)	.250 (6.33)	.556 (14.1)	4.46 (113)	124 (550)	—	—	100	1000
IT9115-CUV4	U.V. Yellow									—	—	100	1000
IT9115-CUV4A	U.V. Butterscotch									—	—	100	1000
IT9115-CUV5A	U.V. Green									—	—	100	1000
IT9115-CUV5B	U.V. Hunter Green									—	—	100	1000
IT9115-CUV6	U.V. Dark Blue									—	—	100	1000
IT9115-CUV6A	U.V. Light Blue									—	—	100	1000
IT9115-CUV6B	U.V. Cobalt Blue									—	—	100	1000
IT9115-CUV7A	U.V. Purple									—	—	100	1000
IT9115-CUV8	U.V. Silver									—	—	100	1000
IT9115-CUV11	U.V. Teal									—	—	100	1000
IT9115-CUV16B	U.V. Pink									—	—	100	1000
IT9115-C0	U.V. Black									—	—	100	1000

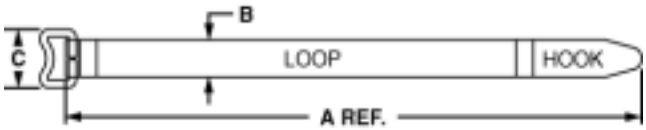
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for In-Line ties is Bulk Package Quantity.

For colors and other materials, *See Page 36 to 39.*

TAK-TY™ Cable Ties
HLC, HLT, HLM & HLS Series

These handy hook & loop, woven material ties are very easy to release and reuse, making them ideal for applications where changes are anticipated or continuous access is required. These products are also great for applications where over-tightening is a concern and they will not pinch or abrade wires.

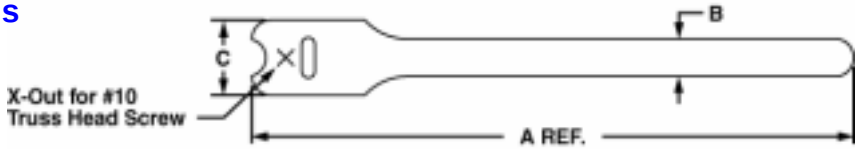
HLC Series



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness In. (mm)	Head Width C In. (mm)	Min. Bundle Dia. In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength** Lbs. (N)	Packaging*** Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Cinching Ties - Cinch ring provides extra strength and bundle tightness											
HLC3S-X0	12.0 (305)	.75 (19)	.10 (2.5)	1.10 (27.9)	2.0 (51)	3.0 (76)	50 (222)	10	100	—	—
HLC5S-X0	18.0 (457)	.75 (19)	.10 (2.5)		3.0 (76)	5.0 (127)		10	100	—	—

Most commonly used parts appear in **BOLD**.

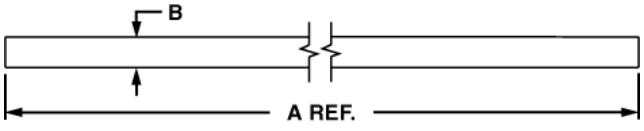
HLT Series



Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness In. (mm)	Head Width C In. (mm)	Min. Bundle Dia. In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength** Lbs. (N)	Packaging*** Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Loop Ties - Slot allows for pre-wrapping of bundles											
HLT2I-X0	8.0 (203)	.50 (12.7)	.10 (2.5)	1.00 (25.4)	.25 (6)	1.9 (48)	40 (178)	10	100	—	—
HLT3I-X0	12.0 (305)	.50 (12.7)	.10 (2.5)		.25 (6)	3.2 (81)		10	100	—	—

Most commonly used parts appear in **BOLD**.

HLM & HLS Series



Strip Ties - Rolls Perforated in Convenient 6", 12" and 18" strips											
HLS1.5S-X0	6.0 (152)	.75 (19)	.10 (2.5)	—	.25 (6)	1.5 (38)	50 (222)	10	100	—	—
HLS3S-X0	12.0 (305)	.75 (19)	.10 (2.5)	—	.25 (6)	3.2 (81)		10	100	—	—
HLS5S-X0	18.0 (457)	.75 (19)	.10 (2.5)	—	.25 (6)	5.0 (127)		10	100	—	—
15' & 75' Rolls - Can be cut to desired length, eliminating waste											
HLM-15RO	180.0 (4572)	.33 (8.4)	.10 (2.5)	—	.25 (6)	Various	18 (80)	1	10	—	—
HLS-15RO	180.0 (4572)	.75 (19)	.10 (2.5)	—	.25 (6)	Various	50 (222)	1	10	—	—
HLS-75RO	900.0 (22,860)	.75 (19)	.10 (2.5)	—	.25 (6)	Various	50 (222)	1	10	—	—

Most commonly used parts appear in **BOLD**.

HLM-15RO
HLS-15RO
HLS-75RO

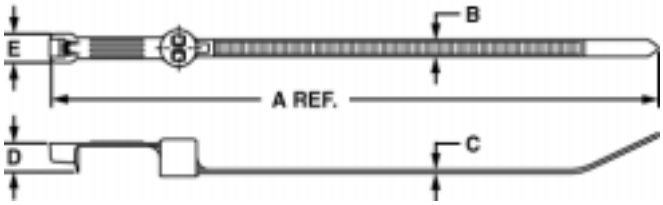
Color Chart For HLT Ties, HLS Ties, HLM/HLS-15R Rolls & HLS-75R Rolls	
Color	**Part No. Suffix**
Black	-0
Red	-2
Orange	-3
Yellow	-4
Green	-5
Blue	-6
Violet	-7
Gray	-8
White	-10
Tan	-18

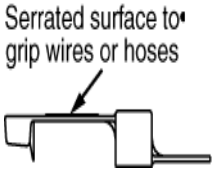
** Minimum 2" overlap required to achieve loop tensile rating.

***Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity.

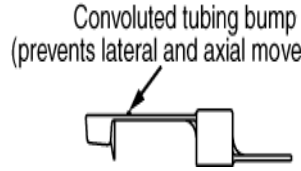
PANDUIT® Specialty Ties
Stud Mounted
Heat Stabilized
Nylon 6.6
Cable Ties

Base portion pushes onto a threaded stud and the tie portion wraps around the bundle. The wire bundle is centered over the stud. Releasable and convoluted tubing styles (*See Page 11*) are also available. Contact factory.

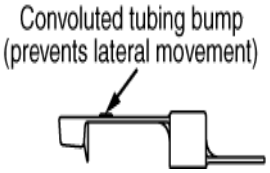




Type PLST-SC



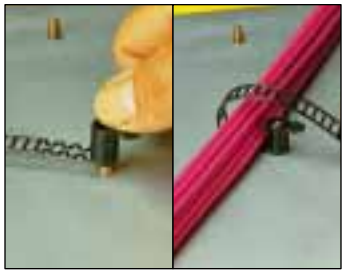
Type PLST-SD



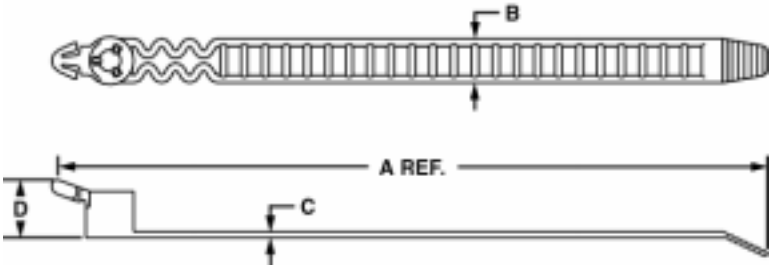
Type PLST-SE

Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Base Height D In. (mm)	Recommended Stud Size In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
Locking Style											
PLST30SC-D30	Std.	5.74 (146)	.19 (4.8)	.050 (1.3)	.41 (10.5)	10-24 (5)	1.18 (30)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	500	5000
PLST40SC-D30		6.94 (176)					1.57 (40)			500	5000
PLST50SC-D30		8.14 (207)					1.97 (50)			500	5000

Ladder Style
Stud Mounted
Cable Tie
Heat Stabilized
Nylon 6.6



The ties can be removed from the stud by turning counterclockwise. Adjustable and releasable.

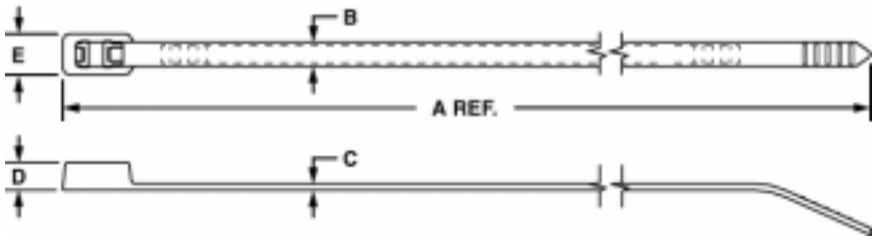


PRST30S-S9-M30	Std.	5.2 (132)	.38 (9.7)	.050 (1.3)	.59 (15)	10-24 x .375 (5 x 9)	1.18 (30)	35 (156)	Hand Installed Only	1000	10000
PRST50S-S9-M30		7.5 (191)					1.97 (50)			1000	5000
PRST30S-S14-M30		5.2 (132)				10-24 x .50 (5 x 12 or 5 x 14)	1.18 (30)			1000	10000
PRST50S-S14-M30		7.5 (191)					1.97 (50)			1000	5000

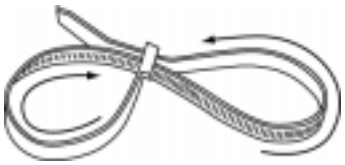
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Bulk Package Quantity.

PANDUIT® Specialty Ties
Double Loop Nylon 6.6 Cable Ties

Secure any two bundles up to total diameter of 3.8" (97mm); a fast and economical method for securing a harness and mounting it to another harness, cabinet or other convenient mounting point.



- ***PAN-TY*®, one-piece design
- Second loop can be installed with ***PANDUIT*** cable tie installation tools
- Bent tip provides faster orientation

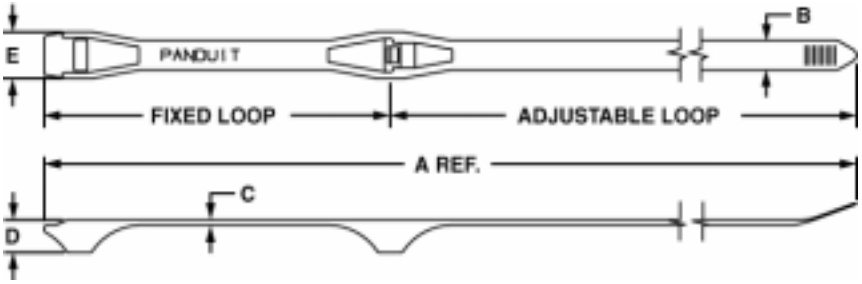


Part Number†	Cross Section	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Max. Combined Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended ***PANDUIT***® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PLB2S-C	Std.	7.6 (193)	.19 (4.8)	.052 (1.3)	.200 (5.1)	1.8 (46)	50 (222)	GS2B, GS4H, PPTS, STS2 or STH2	100	1000	1000	10000
PLB3S-C		11.8 (300)				2.8 (71)			100	1000	1000	10000
PLB4S-C		14.8 (376)				3.8 (97)			100	1000	1000	5000

Most commonly used parts appear in **BOLD**.

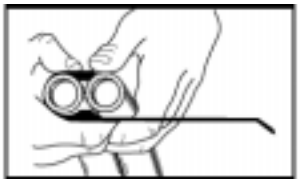
Double Hose Clamp Weather Resistant Nylon 6.6

The Double Hose Clamp can be used on gasoline, hydraulic or pneumatic hoses. It holds each hose individually to prevent abrasion and holds them together to prevent twisting.



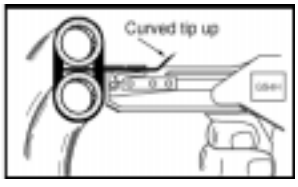
Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Height D In. (mm)	Head Width E In. (mm)	Loop Diameters Fixed Loop In. (mm)	Loop Diameters Adjustable Loop In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended ***PANDUIT***® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DHC1.12x1.75-L0	11.0 (279)	.28 (7.1)	.050 (1.3)	.31 (7.9)	.44 (11.2)	1.12 (28)	1.0 to 1.75 (25 to 44)	100 (445)	GS4H, STH2 or ST2EH	50	500	500	2500

1. Wrap clamp around hose.



2. Position second hose in clamp.

3. Loop tail around second hose and thread tail through both spacer heads.



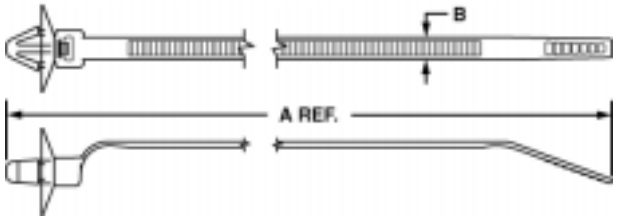
4. Tension and cut off with Panduit tool.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for PLB and SSB ties is Natural Nylon in Standard Package Quantity.
Part Number for DHC is weather resistant black nylon in Standard Package Quantity.

For colors and other materials, See Page 36 to 39.

PANDUIT® Specialty Ties Umbrella Winged Push Mount Cable Ties

The tie's anchor barb clicks into a clearance hole in a light gauge metal or plastic panel, no screws or other fasteners required. The umbrella shaped disc stabilizes the anchor barb and insures a tight, rattle-free fit. In addition, the umbrella disc provides a dust-tight and semi-liquid tight seal against the panel surface. The material is heat stabilized black resin.

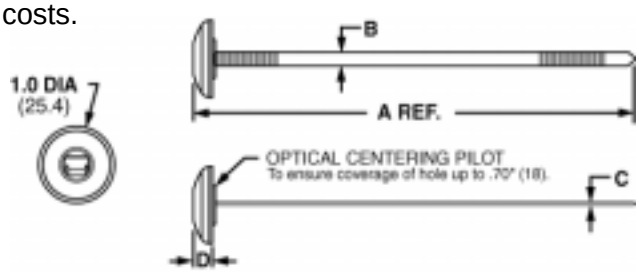


Part Number†	Cross Section	A Length In. (mm)	B Width In. (mm)	Mounting Hole Diameter Min. In. (mm)	Mounting Hole Diameter Max. In. (mm)	Panel Thickness Range Min. In. (mm)	Panel Thickness Range Max. In. (mm)	Maximum Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
PLUP30S-D30	Std.	5.79 (147)	0.19 (4.83)	0.24 (6.2)	0.28 (7.2)	0.03 (0.7)	0.05 (1.2)	1.18 (30)	50 (222)	PPTS, GS2B, GS2BL, STS2, GS4H	500	5000
PLUP40S-D30		6.97 (177)						1.57 (40)			500	5000
PLUP50S-D30		8.15 (207)						1.97 (50)			500	5000

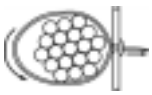
PANDUIT® STA-STRAP® Chassis/Panel Mount Tie

Weather resistant heat stabilized nylon 6.6

Unique design of tie allows it to secure a bundle directly to a chassis or panel without the need for separate fasteners or mounting devices, thus reducing costs.



Insert tip end of *STA-STRAP* cable tie through the correct size pre-drilled hole in the panel.



Wrap cable tie around the bundle and insert the tip end back through the hole and head of the cable tie.

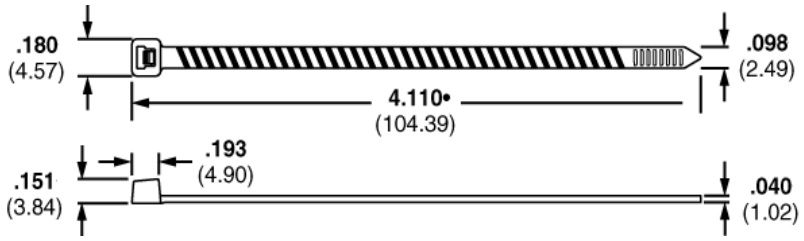
Pull tip end until *STA-STRAP* cable tie is snug on bundle. Tension and cut off excess portion with Panduit cable tie installation tool

Part Number†	A Length In. (mm)	B Width In. (mm)	C Thickness In. (mm)	D Head Height In. (mm)	Recommended Panel Hole Dia. In. (mm)	Maximum Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Packaging* Std. Ctn. Qty.	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
Without Pilot — Heavy Cross Section												
SSPM2.5H-L300	10.19 (259)	.30 (7.6)	.062 (1.6)	.248 (6.3)	.316 to .820 (8.0 to 21)	2.76 (70)	120 (534)	GS4H, GS4EH, PPTEH, STH2, or ST2EH	50	2500	250	2500
SSPM4H-L300	14.8 (376)					4.00 (102)			50	2500	250	2500
With Pilot — Heavy Cross Section												
SSPM2.5HP-L300	10.19 (259)	.30 (7.6)	.062 (1.6)	.248 (6.3)	.440 to .820 (11.2 to 21)	2.76 (70)	120 (534)	GS4H, GS4EH, PPTEH, STH2, or ST2EH	50	2500	250	2500
SSPM4HP-L300	14.8 (376)					4.00 (102)			50	2500	250	2500
With Long Centering Pilot — Heavy Cross Section												
SSPM25HLP-TL300	10.1 (257)	.30 (7.6)	.062 (1.6)	.248 (6.3)	.316 to .820 (8.0 to 21)	2.76 (70)	120 (534)	GS4H, GS4EH, PPTEH, STH2, or ST2EH	—	—	250	2500
SSPM4HLP-TL300	14.8 (376)	.30 (7.6)	.062 (1.6)	.248 (6.3)	.440 to .820 (11.2 to 21)	4.00 (102)			—	—	250	2500

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Bulk Package Quantity. Most commonly used parts appear in **BOLD**.

PANDUIT® Specialty Ties PAN-POUCH™ Telephone Cable Identification Kit

The ***PAN-POUCH*** system provides a fast, convenient method of identifying binder groups on both sides of a splice in PIC cable. It consists of striped ***PAN-TY***® Cable Ties in 25 color combinations which match the universally accepted Even-Count Color Code. In addition, solid color ties are available for identification of "Super Groups" in cable containing more than 600 pairs. Cable ties have maximum bundle diameter of .82" (20.8mm). Each 50 pc. package fits into ***PAN-POUCH*** or Pocket Pouch.



Nylon 6.6 Cable Ties

Part Number	Cable Tie Color	Color Stripe	Packaging* Std. Pkg. Qty.	Packaging* Std. Ctn. Qty.
PLT1M-L6-10	Blue	White	50	1000
PLT1M-L3-10	Orange		50	1000
PLT1M-L5-10	Green		50	1000
PLT1M-L1-10	Brown		50	1000
PLT1M-L8-10	Slate		50	1000
PLT1M-L6-2	Blue	Red	50	1000
PLT1M-L3-2	Orange		50	1000
PLT1M-L5-2	Green		50	1000
PLT1M-L1-2	Brown		50	1000
PLT1M-L8-2	Slate		50	1000
PLT1M-L6-0	Blue	Black	50	1000
PLT1M-L3-0	Orange		50	1000
PLT1M-L5-0	Green		50	1000
PLT1M-L1-0	Brown		50	1000
PLT1M-L8-0	Slate		50	1000

Cable ties in other solid colors (sold in 100 pc. packages) ***See Page 36***.
•Not included in filled ***PAN-POUCH***.

Part Number	Cable Tie Color	Color Stripe	Packaging* Std. Pkg. Qty.	Packaging* Std. Ctn. Qty.
PLT1M-L6-4	Blue	Yellow	50	1000
PLT1M-L3-4	Orange		50	1000
PLT1M-L5-4	Green		50	1000
PLT1M-L1-4	Brown		50	1000
PLT1M-L8-4	Slate		50	1000
PLT1M-L6-7	Blue	Violet	50	1000
PLT1M-L3-7	Orange		50	1000
PLT1M-L5-7	Green		50	1000
PLT1M-L1-7	Brown		50	1000
PLT1M-L8-7	Slate•		50	1000
PLT1M-L2	Red		50	1000
PLT1M-L0	Black•		50	1000
PLT1M-L4	Yellow•		50	1000
PLT1M-L6	Blue•		50	1000
PLT1M-L3	Orange•		50	1000
PLT1M-L5	Green•		50	1000
PLT1M-L1	Brown•		50	1000
PLT1M-L8	Slate•		50	1000

Pouches

PAN-POUCH is 10 1/2" x 36" (266mm x 914mm) made of canvas and folds to 10 1/2" x 6" (266mm x 152mm) for easy storage. The pouch can be easily hung from cable by using snap fasteners.

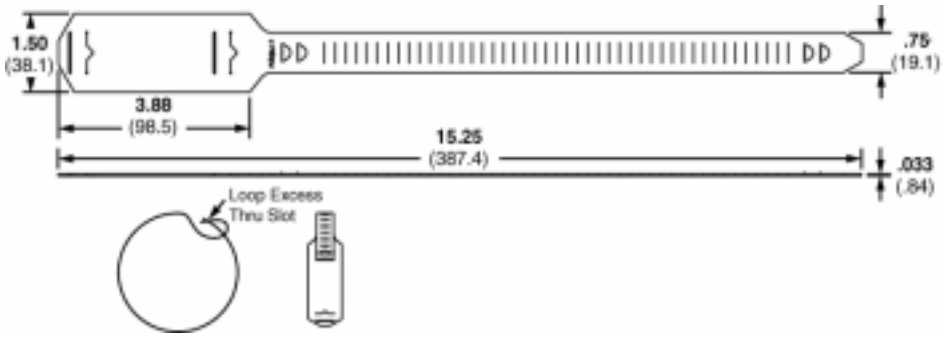
Pocket Pouch holds five (50 pc.) packages.

Part Number	Description	Pouch Material	Packaging* Std. Pkg. Qty.
PPC25x50F	***PAN-POUCH*** filled with 1250 cable ties. 50 each of all 24 striped ties plus solid red	Canvas	1
PPC25x50	Empty ***PAN-POUCH***	Canvas	1
PP5x50F	Pocket Pouch filled with 250 cable ties (50 each: Blue, orange, green, brown and slate all with white stripe).	Vinyl	1
PP5x50-X	Empty Pocket Pouch	Vinyl	10

*Order cable ties by the Number of Pieces Required in Multiples of Packaging Quantities.

PANDUIT® Specialty Ties Polyethylene Cable Marker Strap

For identifying and coding telephone and fiber optic cable. Replaces costly and cumbersome lead marking tags. Lightweight and easy-to-install. Can be used as wrap-around or "flag" marker. Can also be used in underground identification applications. Custom hot stamping is available. *See Page 35*.



Part Number†	Color	Cross Section	Marking Area In. (mm,)	Max. Bundle Dia. In. (mm)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Packaging* Std. Ctn. Qty.
CM4S-L2	Red	Std.	1.50 x 2.62 (38.1 x 66.5)	4.38 (111)	Hand Installed Only	50	500
CM4S-L8	Gray					50	500

Unique design allows strap to be used as:

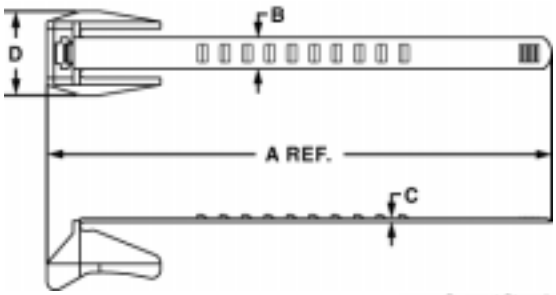
WRAP-AROUND MARKER (Min. Dia.:1.27")

"FLAG" MARKER (Min. Dia.: .25")

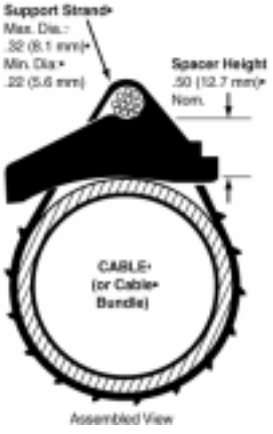
Weather Resistant Polypropylene Aerial Support Tie

With integral 1/2" spacer

Designed to attach coax or telephone cable to the support strand (1/4" or 5/16") to form the expansion loop and keep equipment and cables clear of pole hardware. One-piece construction with integral spacer reduces inventory costs of separate spacer and bands and installs faster to lower the installed cost. Releasable and reusable.

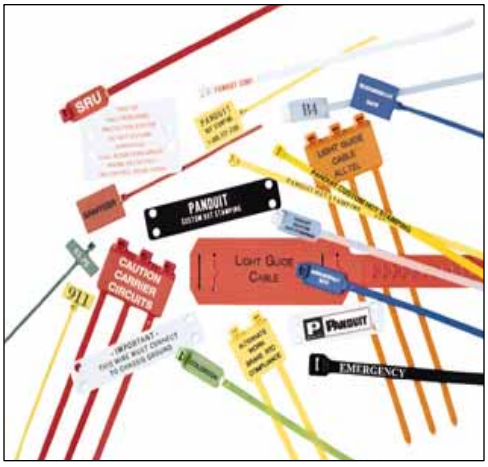


Part Number†	Length A In. (mm)	Width B In. (mm)	Thickness C In. (mm)	Head Width D In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool Part No.	Packaging* Std. Pkg. Qty.	Packaging* Std. Ctn. Qty.
AST10-5-C100	5.6 (142)	.448 (11.4)	.055 (1.4)	1.59 (40.4)	1.0 (25)	100 (445)	Hand Installed Only	100	—
AST15-5-C100	6.9 (175)				1.5 (38)			100	—
AST20-5-C100	8.4 (214)				2.0 (51)			100	—
AST25-5-C100	10.0 (254)				2.5 (64)			100	—



*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Number shown for Standard Package Quantity. Contact distributor for bulk packaging.

PANDUIT® Custom Hot Stamping Program



- Economical
- Convenient
- 1/8" (3mm), 3/16" (4.8mm), 5/64" (2mm) & 7/64" (2.8mm) characters are available
- Standard Type Style: News Gothic
- Character sizes can be mixed from line-to-line
- Alphanumeric and sequential numbering for serialization are available
- Six digit sequential numbering is available in 3/32" (2.4mm) or 9/64" (3.6mm) characters
- Seven digit sequential numbering is available in 1/8" (3mm) characters
- Seven colors of hot stamping to make your message stand out — Black, Blue, Green, Red, Yellow, Orange and White
- Special logos, type styles and sizes can be provided (when camera ready artwork is supplied)
- Minimum order: 1,000 pieces per part number and message

A custom program to mark nylon cable ties, marker ties and marker plates to suit your application requirements. . .

CABLE TIE CROSS SECTIONS

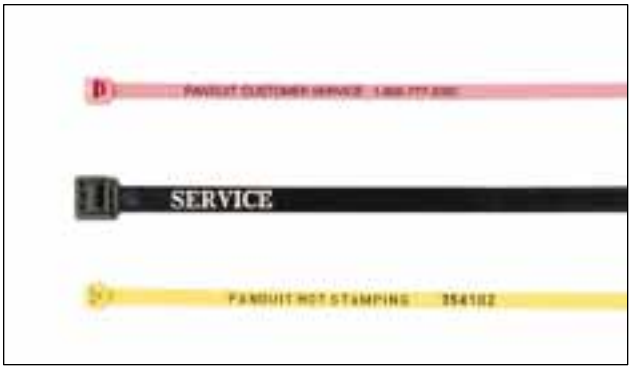
MINIATURE
(Locking)

INTERMEDIATE
(Locking)

STANDARD
(Locking and Releasable)

HEAVY AND LIGHT HEAVY
(Locking and Releasable)

EXTRA-HEAVY
(Locking and Releasable)



MARKER TIE CROSS SECTIONS

MINIATURE
(Locking)

STANDARD
(Locking)

NOTE:
Most cable ties and marker ties are also available in colors.

Contact Your Local Panduit Distributor for Details

Part Number System

PLT — **2** — **S** — **C**

Part Description
PANDUIT
Locking
Tie (etc.)

Size
(Approximate
Bundle
Diameter)

Cross-Section
SM = Subminiature
M = Miniature
I = Intermediate
S = Standard
H = Heavy
LH = Light-Heavy
EH = Extra-Heavy

Screw Hole Size
(Clamp Ties Only)
-S4 = #4 (M2.5)
-S6 = #6 (M3)
-S8 = #8 (M4)
-S10 = #10 (M5)
-S25 = 1/4" (M6)

Package Size
X = 10
Q = 25
L = 50
C = 100
TL = 250
D = 500
M = 1000
MP = 1000 pc. ctn.
XMR = 2 reels/5000 ea.
DTP = 2 ctns./500 ea.
VMR = 2 reels/2500 ea.
4KR = 2 reels/2000 ea.
5K = strips/5000/pkg.
6K = strips/6000/pkg.

Color
(See Below)
Not all ties are
areavailable in all colors;
refer to pages 37-39.

Military Cross Reference (MIL-S-23190E) to *PANDUIT*® Cable Ties

The items listed below are ***PANDUIT*** cable ties and tools which meet all requirements of the applicable Military Standards and are presently listed on the Qualified Products List of products qualified under Military Specification MIL-S-23190 (MIL-T-81306 for cable tie installation tools).

	Current Mil. Std. Part No.*	***PAN-TY***® Part Number*	***DOME-TOP***® ***BARB-TY***® Part Number*
CABLE TIES	MS3367-1-*	**PLT2S**	**BT2S**
	MS3367-2-*	**PLT4S**	**BT4S**
	MS3367-3-*	**PLT4H**	**BT4LH**
	MS3367-4*	**PLT.7M**	**—**
	MS3367-4-*	**PLT1M**	**BT1M**
	MS3367-5-*	**PLT1.5I**	**BT1.5I**
	MS3367-6-*	**PLT8LH**	**BT8LH**
	MS3367-7-*	**PLT3S**	**BT3S**

*Color Code

	Current Mil. Std. Part No.*	***PAN-TY***® Part Number*
MARKER TIES	MS3368-1-*B	**—**
	MS3368-2-*B	**—**
	MS3368-1-*A	**PLM2S**
	MS3368-2-*A	**PLM4S**
	MS3368-3-*C	**PL2M2S**
	MS3368-4-*C	**PL3M2S**
	MS3368-5-*C	**PLM1M**
TOOLS	MS90387-1	**GS2B**
	MS90387-1	**GS2BL**
	MS90387-2	**GS4H**

Color and Material of *PANDUIT* Cable Ties

The following provides the color number for ***PANDUIT*** cable tie part numbers and U.S. military standard part numbers. Applies to cable ties in certain package sizes only. See Color and Availability chart on next page.

MATERIAL	6.6 NYLON																							NYLON 12	POLYPRO-PYLENE		TEFZEL■	HALAR▲
Color	† Nat.	Black ⊷	† Black ⊷	† Brown	† Red	† Orange	† Yellow	† Green	† Blue	† Purple	† Gray	White	Tele-phone Gray	Black **	Heat Stab. Black	Heat Stab. Nat.	FL. Orange	FL. Yellow	FL. Green	FL. Pink	Flame Retard Black	Flame Retard Ivory	Heat Stab Black ⊷	Black ⊷	Black ⊷	Green	Aqua Blue	Maroon
Panduit Part No. Suffix	NONE	0	00	1	2	3	4	5	6	7	8	10	14	20	30	39	53	54	55	59	60	69	300	120	100	109	76	702
MS3367 MS3368 MS17821 MS17822 Color Suffix	9	*	0	1	2	3	4	5	6	7	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MS18034 MS18035 Color Suffix	NN	*	BK	BR	R	OR	Y	GN	BL	P	GY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

*Not applicable to military specified parts
**Pigmented black
⊷ Weather resistant—for greater resistance to ultraviolet light.
†Meets MS3367 or MS3368 where applicable (specify MS number when ordering). All other parts meet dimensional and tensile strength requirements of MS3367 or MS3368 where applicable.
FL Fluorescent Colors

■TEFZEL is the registered trademark of E.I. DuPont Co. Fluoropolymer
▲HALAR is the registered trademark of Ausimont fluoropolymer

PANDUIT® Cable Tie Part Number System, Available Colors & Materials

Shown is availability of cable tie colors & materials by package size. For custom color requirements, contact factory.

S/B = available in Standard and/or Bulk packaging
S = available in Standard packaging
/B = available in Bulk packaging
* = Contact factory for availability of colors. (***See Page 36*** for description and suffix)

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Part Number	Natural 6.6 Nylon	Colors*	Telephone Gray	Weather Resistant 6.6 Nylon	Weather Resistant 6.6 Nylon Meets MIL Spec.	Heat Stab Black Nat. 6.6 Nylon	Heat Stab Natural 6.6 Nylon	Heat Stab. Weather Resistant 6.6 Nylon	Flame Retard. Black 6.6 Nylon	Flame Retard. 6.6 Nylon	Weather Resistant Nylon 12	Nat. Polyprop	Weather Resistant Polyprop	TEFZEL■	HALAR▲
Part Number Suffix Material Designation	—	See Page 36	-14	-0	-00	-30	-39	-300	-60	-69	-120	-109	-100	-76	-702
BC2S-S10	S/B	/B		S/B		/B									
BC3S-S10	S/B	/B		S/B		S/B									
BC4S-S10	S/B	/B		S/B		S/B									
BC2LH-S25	S/B	/B		S/B		S/B									
BC3LH-S25	S/B	/B		S/B		S/B									
BC4LH-S25	S/B	/B		S/B		/B									
BT2S	S/B			S/B		S/B									
BT3S	S/B	S/B	S/B	S/B	S/B	S/B	S/B								
BT4S	S/B	S/B	S/B	S/B	S/B	S/B	S/B								
BT2LH	S/B	S/B		S/B		/B	S/B								
BT3LH	S/B			S/B		/B									
BT4LH	S/B			S/B		S/B									
BT5LH	S/B			S/B	S/B	/B	S/B								
BT6LH	S/B			S/B		/B									
BT7LH	S/B			S/B		/B									
BT8LH	S/B			S/B	S/B	/B									
BT9LH	S/B			S/B	S/B	/B									
BT1M	S/B	S/B	S/B	S/B	S/B	S/B									
BT1.5M	S/B	S/B	S/B	S/B	S/B	S/B									
BT2M	S/B	S/B	S/B	S/B	S/B	S/B	S/B								
BT3M	S/B			S/B		S/B									
BT4M	S/B			S/B		S/B									
BT1.5I	S/B		/B	S/B		S/B									
BT2I	S/B	S/B	/B	S/B	S/B	/B	S/B								
BT3I	S/B		S/B	S/B		S/B									
BT4I	S/B		S/B	S/B		/B									
DHC				S/B											
IT940				/B											
IT965				/B											
IT9100				/B											
IT9115		/B		/B											
IT9150		/B		/B											
IT9250				/B											
PLB2S/PLB3S/PLB4S	S/B			S/B		/B									
PLC1M-S4	S/B			S/B		/B									
PLC1.5I-S8	S/B			S/B		/B									
PLC2H-S25	S/B			S/B		S/B									
PLC2S-S6	S/B	/B		S/B		/B									
PLC2S-S10	S/B	/B		S/B		/B									
PLC3H-S25	S/B			S/B		S/B									
PLC3H-S25	S/B			S/B		S/B				/B					
PLC4H-S25	S/B	M6,M20	S	S/B		/B									
PLCR4H-S25	S/B			S/B											
PLC4S-S10	S/B			S/B		S/B									
PLF1M	S/B	*S/B		S/B		/B									
PLF1M-MP	/B	MP3,10													
PLF1MA	S/B	*S/B		S/B		/B				/B					
PLF1MB	S/B	*S/B		S/B		/B									
PLM1M	S/B	*S/B	/B	S/B	S/B	/B									
PLM1M-MP	/B	MP3,5,10													
PLM2M	S/B	*S/B		S/B		/B				/B					
PLM2S	S/B	*S/B		S/B	/B	/B									
PLM4S	S/B	/B		S/B	S/B	/B									
PLP1S	S/B			S/B		/B									
PLP1.5S															
PLP1.5I	S/B			S/B		/B									
PLP2S	S/B			S/B		/B									
PLST30SC/40SC/50SC						/B									
PLST30SD/40SD/50SD						/B									
PLST30SE,40SE,50SE						/B									

▲HALAR is the Registered Trademark for Ausimont, Inc., fluoropolymer

■ TEFZEL is the Registered trademark of E. I. DuPont Co., fluoropolymer

PANDUIT® Cable Tie Color and Material Availability (Continued)

Shown is availability of cable tie colors & materials by package size.
For custom color requirements, contact factory.

S/B = available in Standard and/or Bulk packaging
S = available in Standard packaging
/B = available in Bulk packaging
* = Contact factory for availability of colors. (***See Page 36*** for description and suffix)

Part Number	Natural 6.6 Nylon	Colors*	Telephone Gray	Weather Resistant 6.6 Nylon	Weather Resistant 6.6 Nylon Meets MIL Spec.	Heat Stab Black Nat. 6.6 Nylon	Heat Stab Natural 6.6 Nylon	Heat Stab. Weather Resistant 6.6 Nylon	Flame Retard. Black 6.6 Nylon	Flame Retard. 6.6 Nylon	Weather Resistant Nylon 12	Nat. Polyprop	Weather Resistant Polyprop	TEFZEL■	HALAR▲
Part Number Suffix Material Designation	—	See Page 36	-14	-0	-00	-30	-39	-300	-60	-69	-120	-109	-100	-76	-702
PLT.6SM	S/B			S/B		S/B									
PLT.7M	S/B			/B	/B	/B									
PLT1M	S/B	S/B	S/B	S/B	S/B	S/B									
PLT1M-MP	/B			/B		/B		/B		/B		/B	/B		
PLT1S	S/B	/B		S/B		/B									
PLT1.5I	S/B	S/B	S/B	S/B	S/B	S/B		/B	/B					S/B	S/B
PLT1.5I-MP	/B							/B		/B	/B	/B	/B		
PLT1.5M	S/B	/B	/B	S/B	/B	/B									
PLT1.5S	S/B	/B		S/B		/B									
PLT2EH	/B			S/B											
PLT2H	S/B	/B	/B	S/B		/B		/B				/B	/B		
PLT2I	S/B	*S/B	S/B	S/B		S/B		/B		/B					
PLT2M	S/B	/B		S/B		/B			/B	/B					
PLT2S	S/B	S/B	S/B	S/B	S/B	S/B		/B	/B	/B	/B	/B	/B	S/B	
PLT2S-MP	/B			/B										S/B	S/B
PLT2.5H	S/B			S/B		/B									
PLT2.5I	S/B	/B	/B	S/B		/B									
PLT2.5S	S/B			S/B		/B									
PLT3H	S/B			S/B		/B						/B	/B	S/B	
PLT3I	S/B	/B	S/B	S/B		/B									
PLT3S	S/B	*S/B	/B	S/B	S/B	S/B						/B	/B	S/B	
PLT3.5S	S/B			S/B											
PLT4H	S/B	/B		S/B	S/B	S/B		/B		/B	/B	/B	/B	S/B	S/B
PLT4I	S/B	/B	S/B	S/B		/B									
PLT4S	S/B	S/B	S/B	S/B	S/B	S/B		/B	/B	/B	/B	/B	/B	S/B	
PLT4.5S	S/B			S/B		/B									
PLT5EH	S/B			S/B											
PLT5H	S/B			S/B		/B									
PLT5S	S/B	/B		S/B		/B									
PLT6EH	S/B			S/B											
PLT6LH	S/B			S/B											
PLT6H	S/B	(-TL4)	/B	S/B		/B.									
PLT7LH	S/B	(-C20)		S/B		/B									
PLT8EH	/B			S/B											
PLT8H	S/B	(-C20)		S/B	/B	/B									
PLT8LH	S/B			S/B	S/B						/B				
PLT9LH	S/B			S/B											
PLT10EH	/B			S/B											
PLT10LH	S/B			.		/B									
PLT12EH	/B			S/B											
PLT13H	S/B	-Q3/-C3		S/B											
PLWP1M	S/B														
PLWP1S	S/B			S/B		/B									
PLWP1SA	S/B			S/B		/B									
PLWP1SB	/B														
PLWP1.5I	S/B														
PLWP1.5S	S/B			S/B		S/B									
PLWP1.5SA	S/B			S/B		/B									
PLWP1.5SB	S/B														
PLWP2H	/B			/B		/B									
PLWP2S	S/B			S/B		S/B									
PLWP2SA	S/B														
PLWP2SB	/B														
PLWP3H	/B			/B		/B									
PL2M2S	S/B	/B	/B	S/B	/B	/B									
PL3M2S	S/B	/B	/B	S/B	/B	/B									
PRLWP30S/50S						S/B									
PLWP30SC/40SC/50SC						/B									
PLWP30SD/40SD/50SD						/B									
PLWP30SE/40SE/50SE						/B									

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PANDUIT® Cable Tie Color and Material Availability (Continued)

Shown is availability of cable tie colors & materials by package size.
For custom color requirements, contact factory.

S/B = available in Standard and/or Bulk packaging
S = available in Standard packaging
/B = available in Bulk packaging
* = Contact factory for availability of colors. (***See Page 36*** for description and suffix)

Part Number	Natural 6.6 Nylon	Colors*	Telephone Gray	Weather Resistant 6.6 Nylon	Weather Resistant 6.6 Nylon Meets MIL Spec.	Heat Stab Black Nat. 6.6 Nylon	Heat Stab Natural 6.6 Nylon	Heat Stab. Weather Resistant 6.6 Nylon	Flame Retard. Black 6.6 Nylon	Flame Retard. 6.6 Nylon	Weather Resistant Nylon 12	Nat. Polyprop	Weather Resistant Polyprop	TEFZEL■	HALAR▲
Part Number Suffix Material Designation	—	See Page 36	-14	-0	-00	-30	-39	-300	-60	-69	-120	-109	-100	-76	-702
PRST30SC/30SD/30SE						/B									
PRST30S-S9/-S14						/B									
PRST40SC/40SD/40SE						/B									
PRST50SC/50SD/50SE						/B									
PRST50S-S9/-S14						/B									
PRT1S	S/B			S/B		/B									
PRT1.5S	S/B	M2,3,6		S/B		/B									
PRT2EH	/B			S/B											
PRT2H	S/B			S/B											
PRT2S	S/B	/B		S/B		/B									
PRT3H	S/B			S/B		/B						/B	/B		
PRT3S	S/B	(-M20)	/B	S/B		/B									
PRT4H	S/B			S/B											
PRT4S	S/B	/B		S/B		/B									
PRT5EH	S/B			S/B											
PRT6EH	S/B			S/B								/B	/B		
PRT8EH	/B			S/B								/B	/B		
PRT10EH	/B			S/B								/B	/B		
PRT12EH	/B			S/B											
PRWP1S						/B									
PRWP1SA	S/B			/B											
PRWP1SB	S/B					S/B									
PRWP1.5I	/B					/B									
PRWP1.5S	S/B	(-D20)		S/B											
PRWP1.5SA	S/B			/B											
PRWP1.5SB	/B					/B									
PRWP2S	/B														
PRWP2SA	S/B	(-D20)		/B											
PRWP2SB	/B					/B									
PRWP3H	/B					/B									
PRWP30SC/40SC/50SC	/B			/B		/B									
PRWP40SC/40SE/40SD						/B									
PRWP50SC/50SE/50SD						/B									
SLT8LH	S/														
SLT10LH	S/														
SLT12H	S/			S/											
SLT14H	S/			S/											
SLT16H	S/														
SLT18H	S/														

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Bulk Package Part Numbers

The following is an alpha-numeric cross reference of Standard Package Cable Tie parts with the corresponding Bulk Package part numbers. Contact distributor for pricing of bulk package parts.

Standard Part No.	Bulk Part No.
B	
BC2S-S10-C	BC2S-S10-D
BC2S-S10-C0	BC2S-S10-D0
BC3S-S10-C	BC3S-S10-D
BC3S-S10-C0	BC3S-S10-D0
BC4S-S10-C	BC4S-S10-D
BC4S-S10-C0	BC4S-S10-D0
BC2LH-S25-L	BC2LH-S25-TL
BC2LH-S25-L0	BC2LH-S25-TL0
BC3LH-S25-L	BC3LH-S25-TL
BC3LH-S25-L0	BC3LH-S25-TL0
BC4LH-S25-L	BC4LH-S25-TL
BC4LH-S25-L0	BC4LH-S25-TL0
BT1M-C	BT1M-M
BT1M-C0	BT1M-M0
BT1.5M-C	BT1.5M-M
BT1.5M-C0	BT1.5M-M0
BT2M-C	BT2M-M
BT2M-C0	BT2M-M0
BT3M-C	BT3M-M
BT3M-C0	BT3M-M0
BT4M-C	BT4M-M
BT4M-C0	BT4M-M0
BT1.5I-C	BT1.5I-M
BT1.5I-C0	BT1.5I-M0
BT2I-C	BT2I-M
BT2I-C0	BT2I-M0
BT3I-C	BT3I-M
BT3I-CO	BT3I-M0
BT4I-C	BT4I-M
BT4I-C0	BT4I-M0
BT2S-C	BT2S-M
BT2S-C0	BT2S-M0
BT3S-C	BT3S-M
BT3S-C0	BT3S-M0
BT4S-C	BT4S-M
BT4S-C0	BT4S-M0
BT2LH-L	BT2LH-Tl
BT2LH-L0	BT2LH-TL0
BT3LH-L	BT3LH-TL
BT3LH-L0	BT3LH-TL0
BT4LH-L	BT4LH-TL
BT4LH-L0	BT4LH-TL0
BT5LH-L	BT5LH-C
BT5LH-L0	BT5LH-C0
BT6LH-L	BT6LH-C
BT6LH-L0	BT6LH-C0
BT7LH-L	BT7LH-C
BT7LH-L0	BT7LH-C0
BT8LH-L	BT8LH-C
BT8LH-L0	BT8LH-C0
BT9LH-L	BT9LH-C
BT9LH-L0	BT9LH-C0
D	
DHC1.12X1.75-L0	DHC1.12X1.75-D0

Standard Part No.	Bulk Part No.
K	
K-200	STD. ONLY
K-205	STD. ONLY
K-501	STD. ONLY
K-503	STD. ONLY
K-504	STD. ONLY
KB-550	STD. ONLY
KP-505	STD. ONLY
KP-506A	STD. ONLY
KP-506A-0	STD. ONLY
KP-509	STD. ONLY
KP-510	STD. ONLY
KP-515	STD. ONLY
P	
PLB2S-C	PLB2S-M
PLB3S-C	PLB3S-M
PLB4S-C	PLB4S-M
PLC1M-S4-C	PLC1M-S4-M
PLC1M-S4-C0	PLC1M-S4-M0
PLC1.5I-S8-C	PLC1.5I-S8-M
PLC1.5I-S8-C0	PLC1.5I-S8-M0
PLC2S-S6-C	PLC2S-S6-M
PLC2S-S6-C0	PLC2S-S6-M0
PLC2S-S10-C	PLC2S-S10-M
PLC2S-S10-C0	PLC2S-S10-M0
PLC2H-S25-L	PLC2H-S25-TL
PLC2H-S25-L0	PLC2H-S25-TLO
PLC3S-S10-C	PLC3S-S10-M
PLC3S-S10-C0	PLC3S-S10-M0
PLC3H-S25-L	PLC3H-S25-TL
PLC3H-S25-L0	PLC3H-S25-TL0
PLC4S-S10-C	PLC4S-S10-M
PLC4S-S10-C0	PLC4S-S10-M0
PLC4H-S25-L	PLC4H-S25-TL
PLC4H-S25-L0	PLC4H-S25-TL0
PLCR4H-S25-L	PLCR4H-S25-TL
PLCR4H-S25-L0	PLCR4H-S25-TL0
PLF1M-C	PLF1M-M, -MP
PLF1MA-C	PLF1MA-M
PLF1MB-C	PLF1MB-M, -4KR
PLM1M-C	PLM1M-M, -MP, -4KR
PLM2M-C	PLM2M-M
PLM2S-C	PLM2S-M
PLM4S-C	PLM4S-M
PLP1S-C	PLP1S-M
PLP1.5I-C	PLP1.5I-M
PLP1.5S-C	PLP1.5S-M
PLP2S-C	PLP2S-M
PLT.6SM-C	PLT.6SM-M
PLT.7M-C	PLT.7M-M
PLT1M-C	PLT1M-M
PLT1M-C0	PLT1M-M0
PLT1M-C53	PLT1M-M53
PLT1M-C54	PLT1M-M54
PLT1M-C55	PLT1M-M55

Standard Part No.	Bulk Part No.
PLT1M-C59	PLT1M-M59
PLT1M-C76	PLT1M-M76
PLT1M-C702	PLT1M-M702
PLT1S-C	PLT1S-M
PLT1S-C0	PLT1S-M0
PLT1.5I-C	PLT1.5I-M
PLT1.5I-C0	PLT1.5I-M0
PLT1.5M-C	PLT1.5M-M
PLT1.5M-C0	PLT1.5M-M0
PLT1.5S-C	PLT1.5S-M
PLT1.5S-C0	PLT1.5S-M0
PLT2EH-Q	PLT2EH-C
PLT2EH-Q0	PLT2EH-C0
PLT2H-L	PLT2H-TL
PLT2H-L0	PLT2H-TL0
PLT2I-C	PLT2I-M
PLT2I-C0	PLT2I-M0
PLT2I-C53	PLT2I-M53
PLT2I-C54	PLT2I-M54
PLT2I-C55	PLT2I-M55
PLT2I-C59	PLT2I-M59
PLT2I-C76	PLT2I-M76
PLT2M-C	PLT2M-M
PLT2M-C0	PLT2M-M0
PLT2S-C	PLT2S-M
PLT2S-C0	PLT2S-M0
PLT2S-C53	PLT2S-M53
PLT2S-C54	PLT2S-M54
PLT2S-C55	PLT2S-M55
PLT2S-C59	PLT2S-M59
PLT2S-C76	PLT2S-M76
PLT2S-C702	PLT2S-M702
PLT2.5I-C	PLT2.5I-M
PLT2.5I-C0	PLT2.5I-M0
PLT2.5S-C	PLT2.5S-M
PLT2.5S-C0	PLT2.5S-M0
PLT2.5H-L	PLT2.5H-TL
PLT2.5H-L0	PLT2.5H-TL0
PLT3H-L	PLT3H-TL
PLT3H-L0	PLT3H-TL0
PLT3H-L76	PLT3H-TL76
PLT3I-C	PLT3I-M
PLT3I-C0	PLT3I-M0
PLT3S-C	PLT3S-M
PLT3S-C0	PLT3S-M0
PLT3S-C53	PLT3S-M53
PLT3S-C54	PLT3S-M54
PLT3S-C55	PLT3S-M55
PLT3S-C59	PLT3S-M59
PLT3S-C76	PLT3S-M76
PLT3S-C702	PLT3S-M702
PLT4H-L	PLT4H-TL
PLT4H-L0	PLT4H-TL0
PLT4H-L76	PLT4H-TL76
PLT4I-C	PLT4I-M

Bulk Package Part Numbers (continued)

The following is an alpha-numeric cross reference of Standard Package Cable Tie parts with the corresponding Bulk Package part numbers. Contact distributor for pricing of bulk package parts.

Standard Part No.	Bulk Part No.
PLT4I-C0	PLT4I-M0
PLT4S-C	PLT4S-M
PLT4S-C0	PLT4S-M0
PLT4S-C76	PLT4S-M76
PLT5EH-Q	PLT5EH-C
PLT5EH-Q0	PLT5EH-C0
PLT5H-L	PLT5H-TL
PLT5H-L0	PLT5H-TL0
PLT5S-C	PLT5S-M
PLT5S-C0	PLT5S-M0
PLT6EH-Q	PLT6EH-C
PLT6EH-Q0	PLT6EH-C0
PLT6H-L	PLT6H-TL
PLT6H-L0	PLT6H-TL0
PLT6LH-L	PLT6LH-TL
PLT6LH-L0	PLT6LH-TL0
PLT7LH-L	PLT7LH-C
PLT7LH-L0	PLT7LH-C0
PLT8EH-Q0	PLT8EH-C0
PLT8H-L	PLT8H-C
PLT8H-L0	PLT8H-C0
PLT8LH-L	PLT8LH-C
PLT8LH-L0	PLT8LH-C0
PLT9LH-L	PLT9LH-C
PLT9LH-L0	PLT9LH-C0
PLT10LH-L	PLT10LH-C
PLT10EH-Q	PLT10EH-C
PLT10EH-Q0	PLT10EH-C0
PLT12EH-Q	PLT12EH-C
PLT13EH-Q	PLT13EH-C
PLT13EH-Q0	PLT13EH-C0
PLWP1M-C	PLWP1M-D
PLWP1S-C	PLWP1S-D
PLWP1SA-C	PLWP1SA-D
PLWP1.5I-C	PLWP1.5I-D
PLWP1.5S-C	PLWP1.5S-D
PLWP1.5SA-C	PLWP1.5SA-D
PLWP1.5SB-C	PLWP1.5SB-D

Standard Part No.	Bulk Part No.
PLWP2S-C	PLWP2S-D
PLWP2SA-C	PLWP2SA-D
PL2M2S-L	PL2M2S-D
PL3M2S-L	PL3M2S-D
PRLWP30S-C30	PRLWP30S-D30
PRLWP50S-C30	PRLWP50S-D30
PRT4S-C	PRT4S-M
PRT1S-C	PRT1S-M
PRT1S-C0	PRT1S-M0
PRT1.5S-C	PRT1.5S-M
PRT1.5S-C0	PRT1.5S-M0
PRT2EH-Q	PRT2EH-C
PRT2EH-Q0	PRT2EH-C0
PRT2H-L	PRT2H-TL
PRT2H-L0	PRT2H-TL0
PRT2S-C	PRT2S-M
PRT2S-C0	PRT2S-M0
PRT3H-L	PRT3H-TL
PRT3H-L0	PRT3H-TL0
PRT3S-C	PRT3S-M
PRT3S-C0	PRT3S-M0
PRT4H-L	PRT4H-TL
PRT4H-L0	PRT4H-TL0
PRT4S-C	PRT4S-M
PRT4S-C0	PRT4S-M0
PRT5EH-Q	PRT5EH-C
PRT5EH-Q0	PRT5EH-C0
PRT6EH-Q	PRT6EH-C
PRT6EH-Q0	PRT6EH-C0
PRT8EH-Q	PRT8EH-C
PRT8EH-Q0	PRT8EH-C0
PRT10EH-Q0	PRT10EH-C0
PRT12EH-Q0	PRT12EH-C0
PRWP1S-C	PRWP1S-D
PRWP1SA-C	PRWP1SA-D
PRWP1.5I-C	PRWP1.5I-D
PRWP1.5S-C	PRWP1.5S-D
PRWP2S-C	PRWP2S-D

Cable Tie Kits in Plastic Boxes

KP-506A/KP-506-0 Cable Ties and Accessories Kit

KP-509 Designer's Kit

Cable Tie Kits in Steel Boxes

K-504 Cable Ties and Accessories Kit

K-205 Cable Ties and Terminal Kit

Part Number	Description	Std. Pkg. Qty.
KP-506A	Contains natural nylon ties for indoor use: (100) PLT1M-C Cable Ties (100) PLT1.5I-C Cable Ties (100) PLT2S-C Cable Ties (50) ABM2S-A Mounts (1) KP-505 Plastic Kit Box	1
KP-506A-0	Contains weather resistant cable ties and mounts for outdoor use: (100) PLT1M-C0 Black Weather Resistant Cable Ties (100) PLT1.5I-C0 Black Weather Resistant Cable Ties (100) PLT2S-C0 Black Weather Resistant Cable Ties (50) ABM2S-AT-0 Black Weather Resistant Mounts (1) KP-505 Plastic Kit Box	1
KP-509	A special collection of cable ties and wiring accessories for prototyping and new product development Contains (over 600 pieces): Including ***PAN-TY***® Cable Ties (in different styles, sizes, colors and materials); 25 different cable tie mounts; 30 different wiring accessories; (1) KP-510 plastic kit box	1
KB-550	Assortment Pack contains natural and weather resistant ***PAN-TY*** nylon cable ties: (15) PLT1M-C Cable Ties (10) PLT1M-C0 Black Weather Resistant Cable Ties (15) PLT1.5I-C Cable Ties (10) PLT1.5I-C0 Black Weather Resistant Cable Ties (15) PLT2S-C Cable Ties (10) PLT2S-C0 Black Weather Resistant Cable Ties (15) PLT3S-C Cable Ties (10) PLT3S-C0 Black Weather Resistant Cable Ties	1
KB-551	Assortment Pack contains natural and weather resistant ***DOME-TOP***® ***BARB-TY***® nylon cable ties: (15) BT1M-C Cable Ties (10) BT1M-C0 Black Weather Resistant Cable Ties (15) BT1.5I-C Cable Ties (10) BT1.5I-C0 Black Weather Resistant Cable Ties (15) BT2S-C Cable Ties (10) BT2S-C0 Black Weather Resistant Cable Ties (15) BT3S-C Cable Ties (10) BT3S-C0 Black Weather Resistant Cable Ties	1
K-504	Contains cable ties, adhesive backed mounts and cable tie installation tool: (100) PLT1M-C Cable Ties (100) PLT1.5I-C Cable Ties (100) PLT2S-C Cable Ties (100) PLC2S-S10-C Clamp Ties (100) TM2S8-C Mounts (100) ABM2S-A-C Mounts (1) STS2 Tool (1) K-503 Steel Kit Box	1
SR2	2-Drawer Slide Rack to hold K-504 Kit or K-1100 Series Terminal Kits See Panduit Terminal Catalog, SA101N21A.	1
SR4	4-Drawer Slide Rack to hold K-504 Kit or K-1100 Series Terminal Kits See Panduit Terminal Catalog, SA101N21A.	1
SR6	6-Drawer Slide Rack to hold K-504 Kit or K-1100 Series Terminal Kits See Panduit Terminal Catalog, SA101N21A.	1
SRB	Base accommodates SR2, SR4 and SR6 Slide Racks	1
K-205	Contains 300 cable ties, 600 terminals and 2 installation tools: (100) PLT1M-C Cable Ties (100) PLT1.5I-C Cable Ties (100) PLT2S-C Cable Ties (1) GS2B Cable Tie Installation Tool (100) PV18-6LF-C Terminals (100) PV14-8LF-C Terminals (100) PV14-10LF-C Terminals (50) PV10-10LF-C Terminals (100) BSV18X-C Splices (100) BSV14X-C Splices (50) BSV10X-C Splices (1) CT-100 Crimping Tool (1) K-200 Steel Kit Box	1

PANDUIT®

Cable Tie Installation Tools

The PANDUIT Selection. . .

Panduit offers the greatest selection of job-matched tools.

PAT1M/PAT1.5M Automatic Cable Tie Installation Systems

PAT2S Automatic Cable Tie Installation System

PET1M/PET1.5M Portable Automatic Cable Tie Installation Systems

Pneumatic Tool Controlled Tension and Cutoff Tools

Tool Controlled Tension and Cutoff Tools

Operator Controlled Tension and Cutoff Tools

Choosing the right tool increases productivity. . .

Whatever the need; Original Equipment Manufacturer (high, medium, low volume), maintenance/repair or construction; Panduit has the tool to help lower your total installed cost. The following chart can be used as a guide for tool selection:

Tool	Cable Tie Cross Section	Cable Tie Usage		Operation	Typical Application(s)
		Per Minute	Per Year		
PAT1M/PAT1.5M Systems (Automatic)	Min.	30-40	200,000-1,000,000	Pneumatic/ Electric	High Volume OEM tie usage
PAT2S System (Automatic)	Std.	28-33	200,000-1,000,000		
PET1M/PET1.5M Systems (Automatic)	Min.	25-35	100,000-500,000	Electric	Medium to High Volume OEM tie usage
PPTS	Min., Int. or Std.	5-8	25,000-150,000	Pneumatic	Medium to High Volume OEM tie usage where a variety of tie sizes are needed.
PPTEH	Lt. Hvy., Hvy. or Ex. Hvy.				
GS2B/GS2BL	Min., Int. or Std.	4-6	Under 50,000	Hand	Low to Medium Volume OEM tie usage, maintenance/repair or construction
GS4H	Std. Lt. Hvy. or Hvy.				
GS4H/B	Lt. Hvy. or Hvy.				
GS4H121W	Lt. Hvy. or Hvy.				
GS4EH	Lt. Hvy., Hvy. or Ex. Hvy.				
STS2	Min., Int. or Std.	1-4	Under 10,000	Hand	Maintenance/repair or construction
STH2	Std., Lt. Hvy. or Hvy.				
ST2EH	Lt. Hvy., Hvy. or Ex. Hvy.				
STHV	Lt. Hvy. or Hvy.				

Automatic Cable Tie Installation Systems

PANDUIT automatic tooling makes everything else obsolete. With the squeeze of a trigger, it applies, tensions, and cuts off the excess cable tie—***all in less than 1 second***. **Automatic tooling will reduce your labor costs, minimize your total installed cost.**

There are three tool systems to meet your needs:

1. PAT1M/PAT1.5M — Automatic Cable Tie Installation Systems (*Pages 46 & 48*) (Stationary Dispenser)

Installs Miniature Cross Section Cable Ties (18 lb. (80N) minimum loop tensile)

2. PAT2S — Automatic Cable Tie Installation System (*Pages 47 & 48*) (Stationary Dispenser)

Installs Standard Cross Section Cable Ties (50 lb. (222N) minimum loop tensile)

3. PET1M/PET1.5M — Automatic Electric Cable Tie Installation Systems (*Pages 50 & 51*) (Portable Hand Held Tool)

Installs Miniature Cross Section Cable Ties (18 lb. (80N) minimum loop tensile)

1. PAT1M/PAT1.5M Reel-Fed Systems for Miniature Cross Section Cable Ties (18 lb. (80N) minimum loop tensile)

- The system consists of the tool, dispenser, feeder hose and reel-fed continuously molded cable ties (5000 ties per reel). Each system will install a cable tie in less than one second.
- Choice of two tool head sizes for bundle diameters up to .82" (21mm) or up to 1.3" (33mm)
- The dispenser and hose are designed to operate with either tool head for maximum versatility and economy.
- The system design permits complete mobility in the use of the tool and location of the dispenser.
- The system operates on 65 psig. non-lubricated, filtered air and 100 VAC, 120 VAC and 230 VAC.
- Optional bench mount shown on ***Page 48***.

Tool Heads

Part Number	Description	Pkg. Qty.
PAT1M	Tool head for cable ties up to .82" (21mm) bundle diameter (PLT1M-XMR)	1
PAT1.5M	Tool head for cable ties up to 1.3" (33mm) bundle diameter (PLT1.5M-XMR)	1
	• Lightweight, no counter-balance required • Slim, ergonomically designed handle for operator comfort and greater productivity. Reduces potential for repetitive motion injuries • Right or left hand operation • Durable, one-piece cable tie tip collector (for cut-off tips) • Includes tension adjustment	

Dispenser

PDM	Stationary dispenser for 100 VAC, 120 VAC and 230 VAC	1
	• The dispenser monitors performance. If an error occurs an alarm is sounded • On-line HELP menu • Multi-language capability via LCD display (English, Spanish, German, Italian or French) • Cable tie reels are easily loaded into the dispenser, reducing downtime • Audible reload signal when reel is empty • Minimum maintenance required • Power cord included	

Specifications

Pneumatic	Electrical
• Operates at 65 psig minimum	• 100, 120, or 230 VAC
• 7 scfm flow minimum	• 50/60 Hz.
• Operates on non-lubricated air.	• Less than 1 amp • Approx. 20 watts (AVG)

Feeder Hose

(choose one)

PHM1	3.2 ft. (1 meter) Feeder hose	1
PHM2	6.5 ft. (2 meter) Feeder hose	1
PHM3	9.8 ft. (3 meter) Feeder hose	1
	• Transfers cable ties and signal from dispenser to tool • Available in three lengths for either tool head • Reversible • Large electrical connectors, quick & easy connections	

Other Components

PDH10-37	Main air supply hose (regulator to dispenser). 9.8 ft. (3m). Includes a 3/8" NPT male thread (to regulator) and 3/8" female quick-disconnect (to dispenser)	1
PL283N1	Filter/regulator 25 micron (max.) element, 5 psi (max.) pressure drop @ 85 psig inlet pressure and 16 cfm flow @ 85 psig; 3/8" ports	1

See Page 49 for Cable Ties and Pages ***Pages 121 to 126*** for Harness Board Accessories

2. PAT2S Reel-Fed System for Standard Cross Section Cable Ties (50 lb. (222N) minimum loop tensile)

Automatically installs cable ties on bundles of up to 2" (51mm) in diameter.

- The system consists of the tool, dispenser, dispenser frame, feeder hose and reel-fed continuously molded cable ties (2500 ties per reel).
- The PAT2S System installs PLT2S-VMR continuously molded cable ties in approximately 1 second. Reload time is minimized by large reels of 2500 ties per reel.
- Ability to increase the tension of the cable ties provides greater resistance to lateral movement.
- High cable tie loop tensile strength of 50 lbs. (222N) minimum.

Tool Head

Part Number	Description	Pkg. Qty.
PAT2S	Tool head for cable ties up to 2" (51mm) bundle diameter (PLT2S-VMR) • Open jaw design • 1 trigger operation • Right or left hand operation • Tension adjustments are made without special tools• Minimum maintenance required • Operates in any orientation • Tip collector included • Lightweight counter balance optional	1

Dispenser

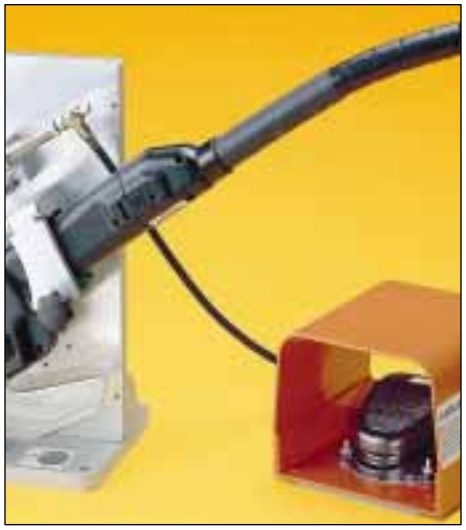
PDS	Dispenser with Electronic Display • Cable tie reels are easily loaded into the dispenser, reducing downtime • Audible reload signal when reel is empty • LCD messages in 5 languages (English, French, German, Italian, Spanish) • Power cord included • Auto adjust for various domestic and international voltages **Specifications** **Pneumatic** • Operates at 65 psig. • 7 scfm flow • Operates on non-lubricated air. **Electrical** • 100, 115, 220, or 240 VAC • 50/60 Hz. • Approx.100 watts (AVG)	1
PDSF	Dispenser Frame/Reel Holder	1

Other Components

PHS3	9.8 ft. (3m) feeder hose. Transfers cable ties and signal from dispenser to tool	1
PDH10-37	Main air supply hose (regulator to dispenser). 9.8 ft. (3m). Includes a 3/8" NPT male thread (to regulator) and 3/8" female quick-disconnect (to dispenser)	1
PL283N1	Filter/regulator 25 micron (max.) element, 5 psi (max.) pressure drop @ 85 psig inlet pressure and 16 cfm flow @ 85 psig; 3/8" ports	1
PAT2SBM	Bench mount and foot pedal for PAT2S System (shown on *Page 48*)	1

See Page 49 for Cable Ties and Pages *Pages 121 to 126* for Harness Board Accessories

PATMBM Bench Mount used with PAT1M PAT1.5M Automatic Systems for Miniature Cross Section Cable Ties (18 lb. (80N) minimum loop tensile)



For Operations Where the Application is Brought to the Tool

- Used with either PAT1M or PAT1.5M tool head
- Supplied with a foot-actuated pedal to allow operator to work with both hands
- A tool can be installed in the mount in seconds
- Supplied with a four-hole base plate
- The bench mount operates on 65 psi non-lubricated, filtered air which pilots off of the dispenser.

In addition to tool head, dispenser, feeder hose and cable ties on reels; order the following:

Part Number	Description	Pkg. Qty.
PATMBM	Bench mount and foot pedal for PAT1M/PAT1.5M system, four-hole base plate.	1

PAT2SBM Reel-Fed Bench Mount Application used with PAT2S Automatic System for Standard Cross Section Cable Ties (50 lb. minimum loop tensile)

For Operations Where the Application is Brought to the Tool

- Used with PAT2S tool head.
- Supplied with a foot-actuated pedal to allow operator to work with both hands.
- A tool can be installed in the mount in seconds
- Supplied with a four-hole base plate.
- The bench mount operates on 65 psi non-lubricated, filtered air which pilots off of the dispenser.

In addition to tool head, dispenser, dispenser frame, feeder hose and cable ties on reels; order the following:

Part Number	Description	Pkg. Qty.
PAT2SBM	Bench mount and foot pedal for PAT2S system, four-hole base plate.	1

See Page 49 for Cable Ties and Pages *Pages 121 to 126* for Harness Board Accessories

Cable Ties for PAT1M/PAT1.5M Systems (*Pages 46 & 48*)

Cable Ties on

- Miniature cross section cable ties
- Self-locking
- U.L. Recognized
- 5000 ties/reel

Continuously molded cable ties in sizes, color and material options to meet the application.

Part Number	Color	Max. Bundle Diameter In. (mm)	Length In. (mm)	Width In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Use with *PANDUIT*® Part No.
Cable Ties for PAT1M/PAT1.5M Systems						
Reels of 5,000 — 2 Reels/carton						
6/6 Nylon (for indoor use) up to 185°F (85°C)						
PLT1M-XMR	Natural	.06-.82 (1.5-20.8)	4.0 (102)	.10 (2.5)	18 (80)	PAT1M
PLT1M-XMR1 **PLT1M-XMR2** **PLT1M-XMR3** **PLT1M-XMR4**	Brown Red Orange Yellow					
PLT1M-XMR5 **PLT1M-XMR6** **PLT1M-XMR7** **PLT1M-XMR8** **PLT1M-XMR10**	Green Blue Purple Gray White					
PLT1.5M-XMR	Natural	.06-1.30 (1.5-33)	5.6 (142)	.10 (2.5)	18 (80)	PAT1.5M
PLT1.5M-XMR1 **PLT1.5M-XMR2** **PLT1.5M-XMR3** **PLT1.5M-XMR4**	Brown Red Orange Yellow					
PLT1.5M-XMR5 **PLT1.5M-XMR6** **PLT1.5M-XMR7** **PLT1.5M-XMR8** **PLT1.5M-XMR10**	Green Blue Purple Gray White					
Weather-Resistant Nylon (for outdoor use) up to 185° F (85° C)						
PLT1M-XMR00	Black	.06-.82 (1.5-20.8)	4.0 (102)	.10 (2.5)	18 (80)	PAT1M
PLT1.5M-XMR00	Black	.06-1.30 (1.5-33)	5.6 (142)	.10 (2.5)	18 (80)	PAT1.5M
Heat Stabilized Nylon (for indoor use) up to 221° F (105° C)						
PLT1M-XMR30	Black	.06-.82 (1.5-20.8)	4.0 (102)	.10 (2.5)	18 (80)	PAT1M
PLT1.5M-XMR30	Black	.06-1.30 (1.5-33)	5.6 (142)	.10 (2.5)	18 (80)	PAT1.5M

Flammability Rating: U.L. 94V-2, ATB < sec. per ASTM-D635

Cable Ties for PAT2S System (*Pages 47 & 48*)

Continuously molded cable ties in sizes and material options to meet the application.

The PAT2S system installs ***PANDUIT*** PLT2S-VMR locking cable ties. Cable ties are easily loaded or unloaded from the dispenser for quick reel changes, reducing downtime. Carrier strip connects 2500 ties in one continuous reel for long periods between reloads.

Cable Ties on Reels

- Standard cross section cable ties
- Self-locking
- U.L. Recognized
- 2500 ties/reel

Part Number	Color	Max. Bundle Diameter In. (mm)	Length In. (mm)	Width In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Use with *PANDUIT*® Part No.
Cable Ties for PAT2S System						
Reels of 2,500— 2 Reels/carton						
6/6 Nylon (for indoor use) up to 185° F (85° C)						
PLT2S-VMR	Natural	2.0 (50)	8.1 (206)	.190 (4.8)	50 (222)	PAT2S
Heat-Stabilized Nylon (for indoor use) up to 221° F (105° C)						
PLT2S-VMR30	Black	2.0 (50)	8.1 (206)	.190 (4.8)	50 (222)	PAT2S

Consult factory for color and weather resistant cable tie options.
Flammability Rating: U.L. 94V-2, ATB:5 sec., per ASTM-D635

3. PET1M/PET .5M Systems for Miniature Cross Section Cable Ties (18 lb. (80N) minimum loop tensile)

Completely portable, electric and automatic cable tie installation systems which install cable ties in less than one second, minimizing your total installed cost.

- Built for portability, the PET battery-operated tools are lightweight and have excellent balance and ergonomics. They can install cable ties in those areas that have been inaccessible by stationary tool systems.
- With the squeeze of the trigger, the PET tools install Panduit's continuously molded miniature cross section cable ties. The ties are available in strips of 50 or by the reel which allows the user to cut strips of custom lengths.

PET1M Tool Head

Part Number	Description	Pkg. Qty.
PET1M	Tool head for cable ties up to .82" (21mm) bundle diameter (PLT1M-5K) or (PLT1M-XMR) • Open jaw design • 1 trigger operation • Ergonomic and lightweight • 3 electric power options: rechargeable battery cartridge, rechargeable batterybelt and AC adapter • Adjustable tension • Anti-pinch jaws• On/Off switch with tool status • Auto shutoff • Tip collector included	1

PET1.5M Tool Head

PET1.5M	Tool head for cable ties up to 1.3" (33mm) bundle diameter (PLT1.5M-5K) or (PLT1.5M-XMR) • Open jaw design • 1 trigger operation • Ergonomic and lightweight • 3 electric power options: rechargeable battery cartridge, rechargeable batterybelt and AC adapter • Adjustable tension • Anti-pinch jaws • On/Off switch with tool status • Auto shutoff • Tip collector included	1

Battery Cartridge (Ni-Cad)

PET-BS (front and back view shown)

PET-BS	Removable, rechargeable battery cartridge • Charging time is 45-60 minutes • One charge will install approximately 200 cable ties • One battery weighs 0.5 lbs.	1

Battery Belt

PET-BB	Removable, rechargeable battery belt • Charging time is 4-6 hours • One charge will install approximately 2000 cable ties • Battery belt weighs 2 lbs. • Includes a utility hook for hanging the tool and a pouch for carrying miscellaneous items	1

See Page 49 for Cable Ties and Pages *Pages 121 to 126* for Harness Board Accessories

Battery Charger

Part Number	Description	Pkg. Qty.
PET-CHR	Battery charger 120 VAC	1
PET-CHR100	Battery charger 100 VAC	1
PET-CHR230	Battery charger 230 VAC	1

•Charges one or two batteries or battery belts at a time

AC Adaptor

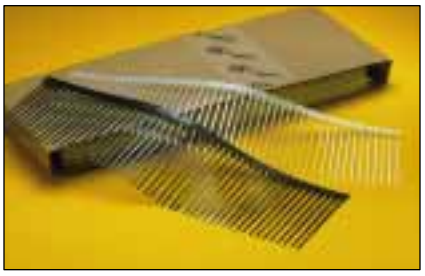
PET-AC	AC adaptor 120 VAC	1
PET-AC100	AC adaptor 100 VAC	1
PET-AC230	AC adaptor 230 VAC	1
PET-ACC3	AC adaptor cord 9.8 ft. (3 meters)	1
PET-ACC6	AC adaptor cord 19.7 ft. (6 meters)	1

•Provides unlimited power to the tool

Cable Ties for PET1M/PET1.5M Systems

(*See Page 50*)

Cable Ties on Strips

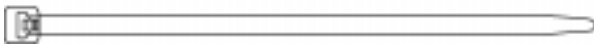


100 strips of 50 ties/ctn.

Cable Ties on Reels

2 reels of 5,000 ties/ctn.

Cable Ties for PET1M/PET1.5M System



	Part Number	Color	Max. Bundle Diameter In. (mm)	Length In. (mm)	Width In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Use with PANDUIT® Part No.
100 Strips of 50	**6.6 Nylon (for indoor use) -40° F to 185° F**						
	PLT1M-5K	Natural	.82 (21)	4.0 (102)	.10 (2.5)	18 (80)	PET1M
	PLT1.5M-5K		1.3 (33)	5.6 (142)			PET1.5M
	Heat Stabilized Nylon (for outdoor use) up to 221° F						
	PLT1M-5K30	Black	.82 (21)	4.0 (102)	.10 (2.5)	18 (80)	PET1M
	PLT1.5M-5K30		1.3 (33)	5.6 (142)			PET1.5M
Reels of 5,000 — 2 Reels/carton	**6.6 Nylon (for indoor use) up to 185° F (85° C)***						
	PLT1M-XMR	Natural	.06-.82 (1.5-20.8)	4.0 (102)	.10 (2.5)	18 (80)	PET1M
	PLT1.5M-XMR	Natural	.06-1.30 (1.5-33)	5.6 (142)	.10 (2.5)	18 (80)	PET1.5M
	Weather-Resistant Nylon (for outdoor use) up to 185° F (85° C)						
	PLT1M-XMR00	Black	.06-.82 (1.5-20.8)	4.0 (102)	.10 (2.5)	18 (80)	PET1M
	PLT1.5M-XMR00	Black	.06-1.30 (1.5-33)	5.6 (142)	.10 (2.5)	18 (80)	PET1.5M
	Heat Stabilized Nylon (for indoor use) up to 221° F (105° C)						
	PLT1M-XMR30	Black	.06-.82 (1.5-20.8)	4.0 (102)	.10 (2.5)	18 (80)	PET1M
	PLT1.5M-XMR30	Black	.06-1.30 (1.5-33)	5.6 (142)	.10 (2.5)	18 (80)	PET1.5M

Flammability Rating: U.L. 94V-2, ATB < sec. per ASTM-D635
Refer to page 49 for colors.

Pneumatic Hand Tools

Tool-Controlled Tension and Cut-Off

Two tools cover the full line of ***PANDUIT*** Cable Ties for production applications. The tools pneumatically tension and cut off excess tie after it is hand-installed around the bundle, minimizing operator fatigue. Both tools are rugged, yet lightweight.

For PANDUIT Cable Ties up to 1/2" (12.7mm) wide.

- Easy to change tension adjustment
- Requires no special training to use
- Durable, lightweight, easy to operate and designed to reduce operator fatigue
- Tensions and cuts off excess tie in a fraction of a second
- Operates on non-lubricated air, without special maintenance
- New powder coat finish

Part Number	Description	Pkg. Qty.
PPTS	Installs Miniature, Intermediate or Standard cross section cable ties Color identification: (knob) Black Weight: 18 oz. (510g) Replacement part kits can be part of a scheduled maintenance program	1
PPTEH	Installs Light Heavy, Heavy and Extra Heavy cross section cable ties. Color Identification: (knob) Blue Weight: 52 oz. (147g) Replacement part kits can be part of a scheduled maintenance program	1
PPH10	10 ft. (3m) Hose Assembly (regulator to tool). Includes a 1/8" NPT male connector (to regulator) and 1/8" female quick disconnect fitting (to tool).	1
PL289N1	Filter/Regulator .5 micron (max.) element, regulated range 3-100 PSIG, 1/8" ports	1

Note: PPTS and PPTEH tools require the PPH10 hose and PL289N1 Filter/Regulator for proper operation.

PPTS and PPTEH Other Components

Hand-Operated Tools

Tool-Controlled Tension and Cut-Off

The most preferred hand-operated cable tie tools in the industry. These tools are versatile and can be used for production, maintenance or construction applications. These tools will tension and cut off excess tie material to the head by squeezing trigger handle.

For PANDUIT Cable Ties up to 1/2" (12.7mm) wide

- Lightweight and balanced
- Requires no special maintenance
- Easy to change tension adjustment and easy to operate
- Proven features to help lower installed costs; a combination of design, operating and construction features provide a long service life
- Durable powder coat finish
- Replacement blades available

	Part Number	Description	Pkg. Qty.
	GS2B	Installs Miniature, Intermediate or Standard cross section cable ties. Qualified product listed per Mil. Std. MS90387-1 and Mil. Spec. MIL-T-81306A. Color Identification: Trigger Handle: Black Selector Knob: Black Weight: 10 oz. (284g)	1
	GS2BL	Same as GS2B except handle span is reduced 25% - for workers with smaller hands. Qualified product listed per Mil. Std. MS90387-1 and Mil. Spec. MIL-T-81306A. Color Identification: Housing is distinctive maroon color. Trigger Handle: Black Selector Knob: Black Weight: 10 oz. (284g)	1
	GS4H	Installs Standard, Light Heavy and Heavy cross section cable ties. Also installs ***SUPERFLEX***™ (SLT) cable ties. Qualified product listed per Mil. Std. MS90387-2 and Mil. Spec. MIL-T-81306A. Color Identification: Trigger Handle: Red Selector Knob: Red Weight: 16 oz. (454g)	1
	GS4H/B	Installs Standard, Light Heavy and Heavy cross section cable ties. Also installs ***SUPERFLEX*** (SLT) cable ties. High tension, factory set, non-adjustable Color Identification: Trigger Handle: Blue Weight: 16 oz. (454g)	1
	GS4H121W	Installs Light Heavy and Heavy cross section cable ties. This tool provides greater tension, especially on 175 lb. strength ties, which results in tighter bundles. Color Identification: Trigger Handle: Green Selector Knob: Green Weight: 16 oz. (454g)	1
	GS4EH	Installs Light Heavy, Heavy and Extra Heavy cross section cable ties. Color Identification: Trigger Handle: Blue Selector Knob: Blue Weight: 16 oz. (454g)	1

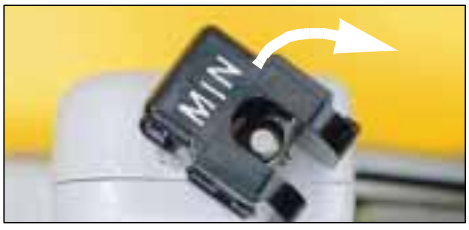
PPTS, PPTEH, GS2B, GS2BL, GS4H, GS4H121W, GS4EH Tools Adjustment Features

Tension Indicator

Each cross section of cable ties can be installed with a variety of tensions to meet the application. The proper tensions (listed on ***PANDUIT*** cable tie packages) are clearly marked with this indicator.

Fast and Easy Selection

To change cross section, simply flip the knob to desired setting.



To change tension within the range of the cross-section, turn knob clockwise (shown) to increase, counterclockwise to decrease.

Tool Tension Lock Kit

Certain applications require a locking device on either the selector knob (one cross-section size and tension only) or tension level adjustment (but allowing cross-section size changes). This kit is available for that purpose.

Repair Parts

Blade Replacement Kits and Gripper Replacement Kit

Can be part of a scheduled maintenance plan or use only when cutoffs are not clean and crisp.

Hand Tool Accessory

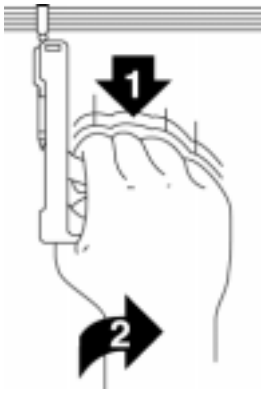
Holster

Part Number	Description	Pkg. Qty.
TTLK3-X	**Tool Tension Lock Kit** Each kit contains (1) #--40 selection locking screw (with head), (1) selection locking clip, and (1) #4-40 tension locking screw (headless). To lock selector knob and tension level To lock fine adjustment	10
K2-BLD2	Blade Replacement Kit for GS2B (all versions) and PPTS	1
K4H-BLD	Blade Replacement Kit for GS4H (3-screw blade guard only)	1
KPPTEHB **KPPTEHG**	Blade Replacement Kit for PPTEH Gripper Replacement Kit for PPTEH	1 1
KPTSG	Gripper Replacement Kit for PPTS	1
GHH	Specifically designed to hold GS2B, GS4H (series) or PPTS tools. Used wherever the hand tools are used—construction sites to assembly lines for a convenient and handy place for the tool.	1

Hand Operated Tools

Installer-Controlled Tension and Cut-Off

Panduit offers an economical series of tools for maintenance or construction applications—the user determines the required cable tie tension and the tools provide a cut-off. Used with the full line of ***PANDUIT*** Cable Ties.

Part Number	Description	Pkg. Qty.
STS2	Installs ***PANDUIT*** Miniature, Intermediate or Standard cross section cable ties. See STH2 operation below. Color Identification: Black Weight: 2 1/2 oz. (71g)	1
STH2	Installs *PANDUIT* Standard, Light Heavy or Heavy cross section cable ties. Color Identification: Red Weight: 2 1/2 oz. (71g) INSTALLATION PROCEDURE FOR STS2 AND STH2 TOOLS 1. Install cable tie around bundle. Tension tie by squeezing tool handle. 2. Reduce tension slightly and twist tool 1/4 turn either direction for cut-off of cable tie.  	1
ST2EH	Installs ***PANDUIT*** Light Heavy, Heavy or Extra Heavy cross section cable ties. Color Identification: Black Handles Weight: 16 oz. (454g) After installing tie around bundle and tensioning, tool is twisted a 1/4 turn "in either direction" to cut off excess tie.	1
KST2EHG	Gripper Replacement Kit for ST2EH.	1
STHV	Installs ***PANDUIT*** Light Heavy and Heavy cross section cable ties. Also installs ***SUPERFLEX***™ (SLT) cable ties. Color Identification: All Yellow Weight: 12 oz. (340g) After installing tie around bundle, the handles are squeezed to provide tension. A separate lever cuts excess tie.	1

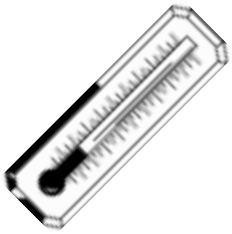
- Inexpensive, maintenance-free, all purpose tools
- Ergonomic handle design and short handle span
- Top loading feature for right or left-handed users

- Durable all steel construction
- Comfortable rubber handles

- Durable all steel construction
- "Travel stop" helps prevent pinched fingers

Cable Tie Selection and Specification Guidelines

Selecting the Proper Cable Tie Material for Your Application



By using this information as a guide, the user will be better equipped to select the best suited cable tie and material to perform its intended function over a long period of time.

For long life and dependable service, there are many factors to consider when selecting the proper cable tie for each application. Since it is impossible for Panduit to provide data on all the various combinations of conditions which may arise, it is suggested that this data be used as a guideline and that sample cable ties be tested under actual end-use conditions to determine the correct cable tie for the application.

To select the optimum cable tie for a specific application, the following table can be used as a quick reference. First, determine the most critical design criteria and then read across the table to find which material is most suitable to meet this need (10 = Most Suitable and 1 = Least Suitable). Next, review the other criteria by scanning in a vertical direction on the chart and then make your final selection.

Design Criteria	Natural 6.6 Nylon	Weather Resistant 6.6 Nylon	Heat Stabilized Black 6.6 Nylon	Heat Stabilized Natural 6.6 Nylon	Heat Stabilized Weather Resistant 6.6 Nylon	Flame Retardant Black 6.6 Nylon	Flame Retardant 6.6 Nylon	Weather Resistant Nylon 12	Natural Polypropylene	Weather Resistant Polypropylene	TEFZEL ■	HALAR▲	Stainless Steel
Part Number Suffix Material Designation		-0	-30	-39	-300	-60	-69	-120	-109	-100	-76	-702	
Loop Tensile Strength	7	7	7	7	7	7	7	6	5	5	7	5	10
Low Temperature Service	6	6	6	6	6	5	5	6	6	6	7	7	10
High Temperature Service	5	5	6	6	6	5	5	5	5	5	8	7	10
Flammability	6	6	6	6	6	8	8	3	2	2	9	9	10
Ultraviolet Resistance	1	6	4	1	6	1	1	7	1	6	9	9	10
Radiation Resistance	3	3	3	3	3	3	3	4	5	5	9	9	10
Overall Chemical Resistance **–Hydrocarbons** **–Chlorinated Hydrocarbons** **–Acids** **–Bases** **–Salts**	6 9 7 2 7 3	6 9 7 2 7 3	6 9 7 2 7 3	6 9 7 2 7 3	6 9 7 2 7 3	6 9 7 2 7 3	6 9 7 2 7 3	8 9 8 6 7 8	8 6 5 9 9 10	8 6 5 9 9 10	10 10 10 10 10 10	10 10 10 10 10 10	9 10 10 10 8 9
Relative Price	Low	Low	Low	Low	Med.	Med.	Med.	Med.	Low	Low	High	High	High

Example No. 1:

Application	Selection
If your application requires high radiation (2 x 10^8 rads) resistance, excellent resistance to hydrocarbons and the price is not critical.	Your best choice is TEFZEL or stainless steel. The price is higher than other materials, but both have high ratings in resistance to radiation and hydrocarbons.

Example No. 2:

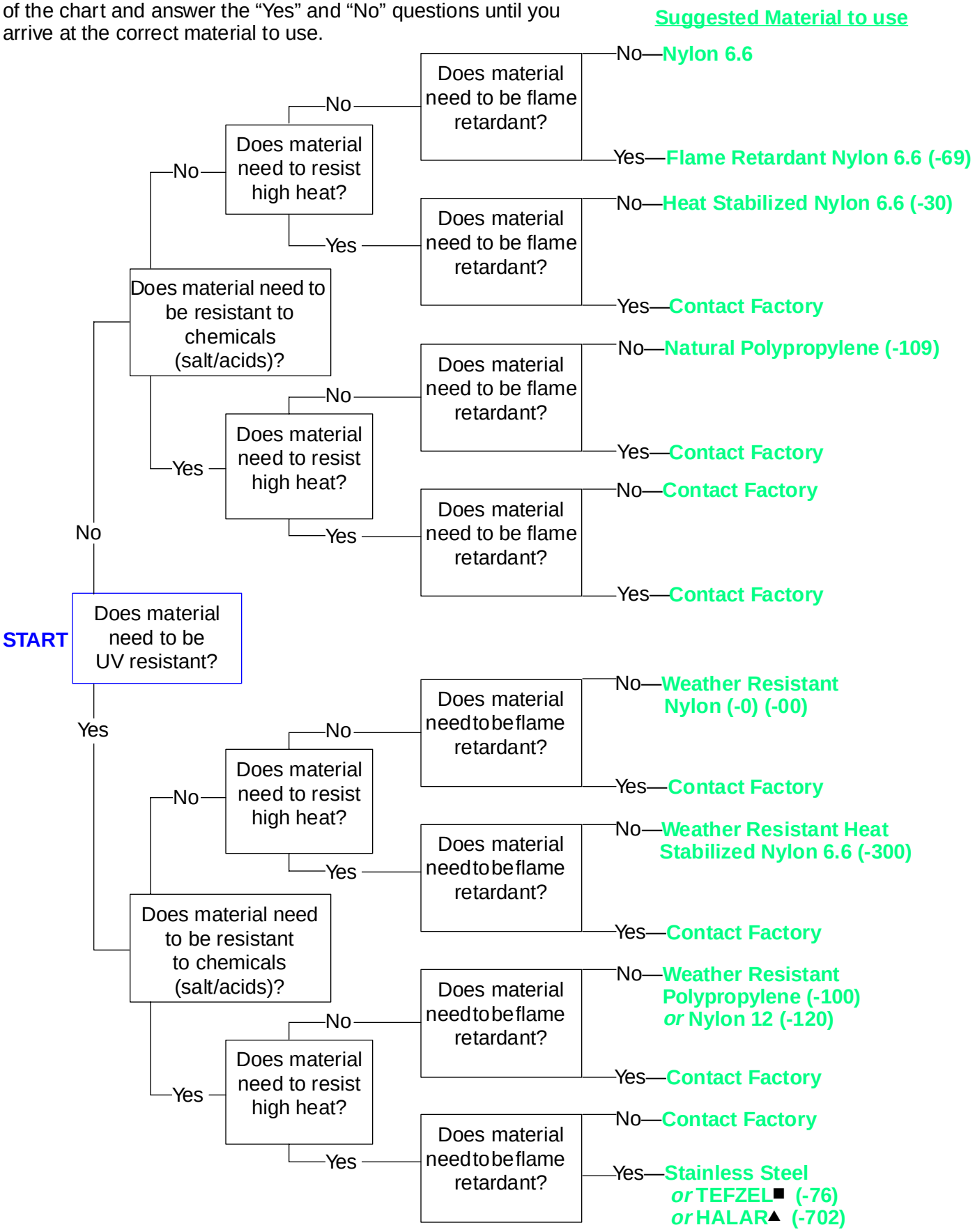
Application	Selection
If your application requires a low cost material, good ultraviolet resistance and good resistance to acid rains.	Your best choice is weather-resistant polpropylene which is less expensive, 6 rating in ultraviolet resistance and 9 rating on resistance to acids.

▲HALAR is the Registered Trademark for Ausimont Inc. fluoropolymer
See Table C for chemical resistance of 304 & 316 stainless steel.

■TEFZEL is the Registered Trademark of E. I. DuPont Co., fluoropolymer
See Table C for chemical resistance of 304 & 316 stainless steel.

PANDUIT® Material Selection Guide

To select the proper cable tie for your application, start at the left of the chart and answer the "Yes" and "No" questions until you arrive at the correct material to use.



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Weathering

Ultraviolet light (which is a component of sunlight) attacks, over a period of time, most plastic materials and reduces their properties by breaking the molecular chain. The material breakdown is accompanied by reductions in tensile strength and elongation, increased brittleness, color changes and loss of surface gloss.

Carbon black, which is used in ***PANDUIT*** ® nylon and polypropylene cable ties, is one of the most effective stabilizers known today. A uniform dispersion of carbon black provides good ultraviolet light resistance without adversely affecting physical properties. The addition of carbon black, or any other ultraviolet light stabilizer, prolongs the useful life of plastic products used outdoors, but it does not totally eliminate the destructive effects of the light. Some plastics, such as TEFZEL■ or HALAR▲, are intrinsically very resistant to ultraviolet light and do not require stabilizing additives.

Weathering Test Methods

In order to monitor the effects of ultraviolet light and the effectiveness of ultraviolet stabilizers, Panduit, in conformance with industry standards, adopted two methods of weatherability testing: Outdoor Aging and Accelerated Weather Aging.

Outdoor Aging

The Outdoor Aging method is probably the best and most realistic method of the two. It is conducted in accordance with ASTM D1435-85 Recommended Practice for Outdoor Weathering of Plastics, and allows the material to be affected by not only ultraviolet light, but by all other outdoor elements as well. Although this may more closely approximate an actual application, two drawbacks do exist. The period of time required to produce property decay and material failure may be quite long and varying adverse chemical environments cannot be tested.

Accelerated Weather Aging

Accelerated weathering tests have been used in order to increase the rate of degradation due to a combination of ultraviolet light, temperature and moisture. The methods used are in accordance with the following standards:

- ASTM D1499-84, Operating Light and Water Exposure Apparatus (Carbon-Arc type) for exposure to plastics
- ASTM G53-84, Operating Light and Water Exposure (Fluorescent U.V. Condensation type) for exposure of non-metallic materials

The condition specified in ASTM D1499-84 utilizes a carbon arc to simulate natural sunshine and a water spray. The test chamber is operated 20 hrs/day with a two hour cycle of 108 minutes of simulated sunshine and 12 minutes of sunshine and water spray. The temperature of a black body inside the chamber is approximately 63°C (145°F) during the “Sunshine Only” portion of the cycle. Humidity is not controlled inside the chamber.

The test chamber per ASTM D53-84 uses fluorescent sun lamps to generate ultraviolet light only. A heated water pan produces condensation during a portion of the cycle.The daily cycle is composed of 20 hours of light followed by 4 hours of condensation. Black body temperatures during the light cycle are 50°C (122°F) and 40°C (104°F) during the condensation cycle.

Panduit has also designed a special chamber which is used to simulate the effect of acid rain and ultraviolet light on cable tie materials. The effect of other common chemicals, such as road salt, are also evaluated in this chamber.

These methods are effective in quickly determining the ultraviolet light resistance of the various cable tie materials, but it must be emphasized that there are no exact correlations between accelerated aging and actual outdoor exposure.

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■TEFZEL is the Registered Trademark of E. I. DuPont Co., fluoropolymer

Weathering

Material Failure Testing

Property decay can lead to three different modes of failure: loss of strength, loss of toughness or change in appearance. The critical mode for any given application would depend upon the application and the requirements it places upon the material itself.

Loss of strength is monitored by tensile testing samples of the material before and after it has been weathered. This test will reveal the decreasing strength accompanied by extended weathering.

Loss of toughness can be monitored by measuring changes in elongation and impact strength. As ultraviolet light exposure time increases and the material becomes brittle, its elongation and impact strength are greatly reduced. It is important to note that brittle failures can occur even when the tensile strength shows no change.

Although change in appearance is normally not a failure mode for cable ties, the plastic does tend to discolor and lose its surface gloss as exposure increases. These changes can be measured by color difference using Adams units which are similar to National Bureau of Standard units.

Panduit has its own weathering test program to determine estimated life of various cable tie materials.This includes examining many previously aged samples obtained throughout the world.

In all cases, the amount of property decay increased with increasing exposure to ultraviolet light. The principal signs of degradation were found to be brittleness, cracking and loss of surface gloss. It was also determined that the time for failure to occur was shorter than indicated from industry tests performed on material samples. This discrepancy is in part due to the fact that cable ties were tested in an end use, stressed condition, while most plastic resin suppliers conduct weathering tests using unstressed test bars.

Three cable tie materials (TEFZEL■, HALAR▲ and stainless steel) have superior ultraviolet light resistance. In tests conducted to date, both have shown no significant signs of degradation.

Determining the outdoor life expectancy of any material is difficult since there are other factors, besides ultraviolet light stability, which have to be considered. These factors are listed below and should be considered before specifying a cable tie material.

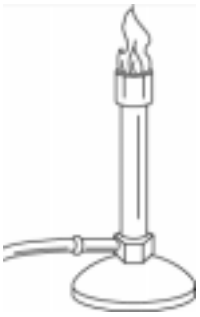
Table A - External Factors Which Affect the Life of a Cable Tie

FACTORS	DECREASED LIFE
Chemicals	Applications which have chemicals present can reduce the life. **This is the most detrimental factor to the life of a tie.**
Bundle Diameter	As the bundle diameter is reduced, the tie has more bending stress. A thick strap on small diameter has more stress.
Loading	If the tie is under high loading, this will add additional stress on the tie body.
Thickness	A thinner tie will have a decreased life since surface cracks will penetrate the thickness of the tie faster.
Vibration	Applications with high vibrations will cause impact which will propagate any surface cracks.
Degree of Exposure	No shield or shade, southern exposure, higher altitudes and high temperatures decrease the life of the cable tie.
Moisture	Dry environments cause nylon 6.6 ties to become more brittle. High humidity plus high temperatures can result in degradation due to hydrolysis in nylon.
Galvanized Metals	Acid rain and acid moisture acting on galvanized metals release chemicals known to attack nylon 6.6.

WEATHERING LIFE EXPECTANCY	
Materials (P/N Suffix)	**Years***
Natural Polypropylene (-109)	1
Natural 6.6 Nylon	1-2
Flame Retardant Black 6.6 Nylon (-60)	1-2
Flame Retardant 6.6 Nylon (-69)	1-2
Heat Stabilized 6.6 Nylon (-30)	4-5
Heat Stabilized Natural 6.6 Nylon (-39)	1-2
Weather Resistant 6.6 Nylon (-0 & -00)	7-9
Heat Stabilized Weather Resistant 6.6 Nylon (-300)	7-9
Weather Resistant Polypropylene (-100)	7-9
Weather Resistant Nylon 12 (-120)	12-15
TEFZEL (-76)	>15
HALAR (-702)	>15
Stainless Steel (MLT prefix)	>30

*Based on assumption of minimum loading, no chemical attack and impact-free conditions.

Flammability



A number of test procedures have been developed which can be used for the evaluation and comparison of various materials to support combustion.

UL94 Vertical Burning Test

Samples of a material, with dimensions 127mm by 12.7mm and the thickness of the intended end use product, are tested in an unaged “as manufactured” state and in an aged state (7 days at 158 °F, 70 °C). The test requires the placement of a precisely controlled flame under a vertically supported specimen for a 10 second period. The flame is removed and the duration of flaming is recorded. If the flame extinguishes, the specimen is immediately subjected to a second 10 second ignition period. Duration of flaming is again recorded. A piece of surgical cotton is placed under the specimen. If drips ignite the cotton, this fact is also recorded.

Materials Classed 94V-0

Materials classed 94V-0 shall:

- Not have any specimens which burn with flaming combustion for more than 10 seconds after either application of the test flame
- Not have a total flaming combustion time exceeding 50 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Not have any specimens which drip flaming particles that ignite the dry absorbent surgical cotton located 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 30 seconds after the second removal of the test flame.

Materials Classed 94V-1

Materials classed 94V-1 shall:

- Not have any specimens which burn with flaming combustion for more than 30 seconds after either application of the test flame.
- Not have a total flaming combustion time exceeding 250 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Not have any specimens which drip flaming particles that ignite the dry absorbent surgical cotton located 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 60 seconds after the second removal of the test flame.

Materials Classed 94V-2

- Not have any specimens which burn with flaming combustion for more than 30 seconds after either application of the test flame
- Not have a total flaming combustion time exceeding 250 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Be permitted to have specimens that drip flaming particles which burn only briefly, some of which ignite the dry absorbent surgical cotton placed 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 60 seconds after the second removal of the test flame.

Flammability

ASTM D 635

Samples of a material, with dimensions 125mm by 12.5mm and the thickness of the intended end use product, are tested in an unaged “as manufactured” state. A precisely controlled flame is applied to the specimen and a stopwatch is started. The flame is applied for 30 seconds. The stopwatch is stopped when burning or glowing combustion ceases or when the flame has proceeded to a mark 100mm from the free end. Ten specimens are tested.

- Burning Rate
- If two or more specimens have burned to the 100mm mark then Average Burning Rate (cm/min) shall be reported as the average of the burning rates of all specimens which have burned to the 100mm mark.
- Average Time of Burning and Average Extent of Burning
- Average time of burning and average extent of burning of the sample shall be reported if none of ten samples or no more than one of twenty specimens have burned to the 100mm mark.
- Average Time of Burning (ATB):
- Average Extent of Burning (AEB):

$$ATB,s = \frac{\sum_{0}^{10}(t - 30s)}{\text{Number of Specimens}}$$

Rounded to the nearest 5 sec.

$$AEB,mm = \frac{\sum_{0}^{10}(100 - \text{unburned length})}{\text{Number of Specimens}}$$

Rounded to the nearest 5mm

Flammability Ratings

Materials	UL94	ASTM D635
Natural 6.6 Nylon	94V-2 (1/16")	AEB = 20mm ATB = 5 seconds
Weather Resistant 6.6 Nylon (-00)	94V-2 (1/16")	AEB = 20mm ATB = 5 seconds
Weather Resistant 6.6 Nylon (-0)**	94V-2 (1/16")	AEB = 20mm** ATB = 5 seconds**
Heat Stabilized 6.6 Nylon (-30)	94V-2 (1/16")	AEB = 20mm ATB = 5 seconds
Heat Stabilized Natural 6.6 Nylon (-39)	94V-2 (1/16")	AEB = 20mm ATB = 5 seconds
Heat Stabilized Weather Resistant 6.6 Nylon (-300)	94V-2 (1/16")	AEB = 20mm ATB = 5 seconds
Flame Retardant Black 6.6 Nylon (-60)	94V-0 (1/64")	AEB =15mm ATB < 5 seconds
Flame Retardant 6.6 Nylon (-69)	94V-0 (1/64")	AEB = 15mm ATB < 5 seconds
Weather Resistant Nylon 12 (-120)	Not Recognized	Ave. Burning Rate 1.6cm/min.
Natural Polypropylene (-109)	Not Recognized	Ave. Burning Rate 2 cm/min.
Weather Resistant Polypropylene (-100)	Not Recognized	Ave. Burning Rate 2 cm/min.
TEFZEL■ (-76)	94V-0(1/16")	AEB < 15mm ATB < 5 seconds
HALAR▲ (-702)	94V-0(1/16")	AEB = 15 min. ATB < 5 seconds*
Stainless (MLT prefix)	Not Applicable	Not Applicable

*Rating based on 1/8" thick test samples.
**Consult factory for specific tie sizes.

Radiation/Moisture/Temperature/Tensile Strength

Radiation

Installed cable ties of various materials have been exposed to different amounts of radiation to determine the maximum acceptable limit. These tests were conducted by Panduit mainly to determine the acceptability for use in various areas of nuclear power plants (accumulated over 40 year life). See Table B for radiation resistance rating.

Moisture

Many plastics when exposed to high relative humidity absorb water and, as such, the tensile strength of the material can change dramatically. Nylon 6.6 when exposed to 100% relative humidity, will absorb as much as 8.5% water which will reduce tensile strength by 50% when compared to a dry cable tie. Polypropylene, HALAR▲ , Type 12 Nylon, and TEFZEL■ are low water absorbing materials and, as such, the effect of water is minimal. See Table B for moisture absorption.

Temperature

Plastic materials normally undergo property loss during exposure to high temperature due to oxidation. The maximum temperature for successful service depends upon the material used as well as environmental conditions. Initially, plastics become more flexible and weaker when exposed to high temperatures. After a period of time, oxidation may occur which will cause embrittlement, making plastic cable ties more susceptible to failure from impact and vibration. Low temperature exposure will also make most plastics more brittle during this exposure, but little property loss occurs when the material is returned to room temperatures. The minimum continuous use temperature after installation is stated in Table B.

Tensile Strength

Most cable ties are selected based on material, length and minimum loop tensile strength. Minimum loop tensile strength was established under Military Specification MIL-S-23190. Each cross section cable tie (Miniature-M, Intermediate-I, Standard-S, Heavy-H and Extra Heavy-EH) has a different loop tensile strength when testing per MIL-S-23190.

The cable tie is first conditioned at 49°C (120°F), 20% relative humidity for 24 hours, then the cable tie is installed on a split mandrel and the halves of the mandrel separated at a rate of 1" (25.4mm) per minute (Fig.1). The separating force required to unlock or break the cable tie is the loop tensile strength. Loop tensile strength is dependent both on the locking design and the tensile strength (psi) of the material. As an example, the tensile strength of polypropylene material is approximately 1/2 to 1/3 of nylon 6.6; thus the loop tensile strength of a given cross section tie made of polypropylene would be much less than a tie made of nylon 6.6. This is another property to be considered when selecting a cable tie. The various representative loop tensile strengths are listed in Table B.

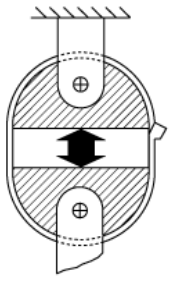


Fig. 1

▲HALAR is the Registered Trademark for Ausimont Inc. fluoropolymer

■TEFZEL is the Registered Trademark of E. I. DuPont Co., fluoropolymer

Physical Characteristics of Cable Tie Materials

Table B — Physical Characteristics of Various Cable Tie Materials

Design Criteria	Natural 6.6 Nylon	Weather Resistant 6.6 Nylon	Heat Stabilized Black 6.6 Nylon	Heat Stabilized Natural 6.6 Nylon	Heat Stabilized Weather Resistant 6.6 Nylon	Flame Retardant Black 6.6 Nylon	Flame Retardant 6.6 Nylon	Weather Resistant Nylon 12	Natural Polypropylene	Weather Resistant Polypropylene	TEFZEL ■	HALAR®	Stainless Steel
Tensile Strength 73 °F (psi)	12,000[1]	12,000[1]	12,000[1]	12,000[1]	12,000[1]	12,000[1]	12,000[1]	8,100[1]	4,100[1]	4,100[1]	7,500[1]	7,000[1]	90,000[2]
Color	Natural	Black	Black	Natural	Black	Black	Ivory	Black	Green	Black	Aqua	Maroon	Stain-less
UL Flammability	See Page 62												
Oxygen Index	28	28	26	26	26	34	34	NA	NA	NA	30	60	NA
Radiation Resistance	1 x 10^5 Rads	1 x 10^5 Rads	1 x 10^5 Rads	1 x 10^5 Rads	1 x 10^5 Rads	1 x 10^5 Rads	1 x 10^5 Rads	3.5 x 10^6 Rads	1 x 10^6 Rads	1 x 10^6 Rads	2 x 10^8 Rads	2 x 10^8 Rads	2 x 10^8 Rads
Water Absorption (24 hours)	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.1%	0.3%	0.1%	0.1%	<0.03%	<0.05%	None
Ultraviolet Light Resis-tance	Poor	Good	Fair	Poor	Good	Poor	Poor	Good	Poor	Good	Excellent	Excellent	Excellent
Max. Continuous Use Temperature	185°F 85°C	185°F 85°C	221°F 105°C	221°F 105°C	205°F[3] 96 °C	221°F 105 °C	221 °F 105 °C	176 °F 80 °C	185 °F 85 °C	185 °F 85°C	302°F[6] 150 °C	284 °F[7] 140 °C	1000 °F[5] 537 °C
Min. Continuous Use Temperature [4]	-40 °F -40 °C	-40 °F -40 °C	-40 °F -40 °C	-40 °F -40 °C	-40 °F -40 °C	-40 °F -40°C	-40 °F -40°C	-40 °F -40°C	-40 °F -40°C	-40 °F -40°C	-50°F -46°C	-50°F -46°C	-112°F -80°C
Minimum Loop Tensile Strength @120 °F; 20% RH — Submin.>	12 lb.	12 lb.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Min.>	18 lb.	18 lb.	18 lb.	18 lb.	18 lb.	18 lb.	18 lb.	N/A	12 lb.	12 lb.	18 lb.	18 lb.	N/A
Int.>	30/40 lb.	30/40 lb.	30/40 lb.	30/40 lb.	30 lb.	30 lb.	40 lb.	25 lb.	N/A	N/A	25 lb.	N/A	N/A
Std.>	50 lb.	50 lb.	50 lb.	50 lb.	50 lb.	50 lb.	50 lb.	40 lb.	30 lb.	30 lb.	50 lb.	65 lb.	100 lb.
Hvy.>	120/175 lb.	120/175 lb.	120/175 lb.	120/175 lb.	120 lb.	120 lb.	120 lb.	90 lb.	50 lb.	50 lb.	120 lb.	N/A	250 lb.
EH>	250 lb.	250 lb.	250 lb.	250 lb.	N/A	N/A	N/A	N/A	90 lb.	90 lb.	N/A	N/A	N/A
DH													600 lb.
Tool Installed	GS2B GS2BL GS4H GS4EH STS2 STH2 ST2EH STHV PPTS PPTEH	GS2B GS2BL GS4H GS4EH STS2 STH2 ST2EH STHV PPTS PPTEH	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS2B GS3BL GS4H GS4EH STS2 STH2 ST2EH STHV PPTEH PPTS	GS2B GS2BL GS4H GS4EH STS2 STH2 ST2EH STHV PPTEH PPTS	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS2B GS2BL GS4H STS2 STH2 ST2EH STHV PPTS	GS4MT ST2MT PPTMT HTMT
Part Number Suffix/ Material Designation	None	-0 and -00	-30	-39	-300	-60	-69	-120	-109	-100	-76	-702	

1. ASTM D638-878
2. ASTME8
3. Estimated
4. After installation
5. (-321) goes to 1700 ° (923°C)
6. U.L. component recognized at 170 °C
7. U.L. component recognized at 125 °C

Based on assumption of minimum loading, chemical attack, and impact-free conditions.

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Chemical Resistance

Many factors combine to determine the useful life of a cable tie material and none is as important as chemical exposure. Various chemicals will have different effects on plastics depending on such things as chemical concentrations, temperature, stress and ultraviolet light. Table C is an excellent guideline for the selection of the best cable tie material. It should be noted that the exposure temperature for this chemical resistance chart is 70° F.

Table C — Resistance of PANDUIT® Cable Tie Materials to Chemical Attack at 70°F

— = Not Tested
E = Excellent
S = Satisfactory
B = Slight Attack
U = Attacked

[1] = Pitting occurs under some conditions
[2] = Attack may occur if sulfuric acid present
Aq. = Aqueous
C.S. = Cold Saturated

Agent	Percent Concentration	* Nylon 6.6	Nylon 12	Polypropylene	TEFZEL■	HALAR▲	304 Stainless Steel	316 Stainless Steel
Acetaldehyde	90	S	—	B	E	E	—	—
Acetic Acid	97	U	U	E	E	E	E	E
Acentic Acid	10	B	S	E	E	E	E	E
Acetic Anyhdride	90	—	S	E	E	E	E	E
Acetone	100	E	E	E	E	E	E	E
Acetophenone	100	—	—	S	E	E	E	E
Acetylene	100	—	—	E	E	E	E	E
Aluminum Chloride	10	S	E	E	E	E	U	B
Aluminum Fluoride	10	S	E	E	E	E	U	B
Aluminum Hydroxide	Aq. C.S.	—	E	E	E	E	E	E
Aluminum Potassium Sulfate	10	S	E	E	E	E	E[1]	E
Ammonia	All	—	E	E	E	E	E	E
Ammonium Carbonate	1 to 5	—	E	—	E	E	E	E
Ammonium Chloride	10 to 25	U	E	E	E	E	E[1]	E
Ammonium Hydroxide	10	E	—	—	E	E	—	—
Ammonium Nitrate	100	—	E	E	E	E	E	E
Ammonium Sulfate	10	—	E	E	E	E	E[1]	E[1]
Amyl Acetate	100	—	—	B	E	E	E	E
Aniline	100	—	S	E	E	E	E	E
Antimony Trichloride	All	U	—	E	E	E	E	E
Arsenic Acid	1 to 80	—	—	E	E	E	E	E
Barium Carbonate	All	—	E	E	E	E	E	E
Barium Chloride	All	—	E	E	E	E	E[1]	E
Barium Sulfate	All	—	E	E	E	E	E	E
Barium Sulfide	All	—	E	E	E	E	E	E
Benzene	100	E	E	B	E	E	E	E
Benzoic Acid	100	U	E	E	E	E	E	E
Benzoyl Chloride	100	—	—	B	E	E	—	—
Benzyl Alcohol	100	—	—	E	E	E	—	—
Boric Acid	All	U	E	E	E	E	S	—
Bromine	100	U	U	U	E	E	U	U
Butadiene	100	—	—	B	E	E	E	E
Butane	100	—	E	E	E	E	E	E
Butanediol	100	—	—	E	E	E	—	—
Butyl Acetate	100	—	E	B	E	E	—	—
N. Butyl Alcohol	100	—	E	E	E	E	E	E
Butyl Phthalate	100	—	—	E	E	E	—	—
Butyraldehyde	100	—	—	E	E	E	—	—
Butyric Acid	10 to 100	U	—	E	E	E	E	E
Calcium Carbonate	Aq. C.S.	—	—	E	E	E	E	E
Calcium Chlorate	Aq. C.S.	—	—	E	E	E	E	E
Calcium Chloride	5	B	E	E	E	E	E[1]	E[1]

*INCLUDES ALL 6.6 NYLONS (SUCH AS WEATHER RESISTANT, HEAT STABILIZED AND FLAME RETARDANT)

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Chemical Resistance

Table C — Resistance of PANDUIT® Cable Tie Materials to Chemical Attack at 70°F (Continued)

Agent	Percent Concentration	* Nylon 6.6	Nylon 12	Polypropylene	TEFZEL■	HALAR▲	304 Stainless Steel	316 Stainless Steel
Calcium Hydroxide	50	—	—	E	E	E	E	E
Calcium Hypochlorite	2	U	—	E	E	E	E[1]	E[1]
Calcium Nitrate	50	—	E	E	E	E	—	—
Calcium Sulfate	2	B	—	E	E	E	E	E
Carbon Tetrachloride	100	E	E	U	E	E	E	E
Carbon Tetrachloride	Aq. 10	—	—	—	—	E	B[1]	E[1]
Chlorine	Dry	—	U	U	E	E	B	B
Chlorine	Wet	—	U	B	E	E	U	U
Chloroacetic Acid	10 to 50	U	—	E	E	E	U	B
Chlorobenzene	100	—	B	E	E	E	—	—
Chloroform	100	E	B	B	E	E	E	E
Chlorosulphonic Acid	10 to 100	U	U	U	S	E	U	U
Chromic Acid	10 to 50	U	U	E	E	E	B	B
Citric Acid	10 to 50	S	S	E	—	E	E	E
Copper Chloride	1 to 10	U	—	E	E	E	E[1] to U	E[1] to B[1]
Copper Cyanide	Aq. C.S.	—	—	E	E	E	E	E
Copper Nitrate	50	—	—	E	E	E	E	E
Cresol	100	U	U	—	E	E	E	E
Crotonaldehyde	100	—	—	E	E	E	—	—
Cyclohexane	100	—	E	B	E	E	E	—
Cyclohexanol	100	—	E	E	E	E	E	—
Cyclohexanone	100	—	E	B	E	E	E	—
Dibutyl Phthalate	100	—	—	E	E	E	—	—
Dichloroethane	100	—	—	E	—	E	E	E
Dichloroethylene	100	—	—	B	E	E	—	—
Diesel Fuel	100	—	E	B	E	E	E	E
Diethyl Ether	100	—	E	E	E	E	E	E
Diglycolic Acid	Aq.C.S.	—	—	E	E	E	—	—
Disobutyl Ketone	100	—	—	E	E	E	—	—
Dimethyl Amine	100	—	—	E	E	E	—	—
Dimethyl Formamide	100	—	E	E	E	E	E	—
Dimethyl Sulfate	100	—	—	B	E	E	—	—
Dioctyl Phthalate	100	—	—	E	E	E	E	—
1, 4-Dioxane	100	—	S	B	E	E	E	—
Ethyl Acetate	100	E	E	S	E	E	E	E
Ethyl Alcohol	100	E	E	E	E	E	E	E
Ethyl Chroride	100	—	—	B	E	E	E	E
Ethylene Chloride	100	E	B	B	E	E	E	E
Ethylene Glycol	100	E	E	E	E	E	E	E
Ethylene Oxide	100	—	—	B	E	E	—	—
Fatty Acids	100	—	—	E	E	E	—	—
Ferric Chloride	50	U	—	E	E	E	U	U
Ferric Hydroxide	All	—	—	E	E	E	E	E
Ferric Nitrate	All	—	—	E	E	E	E	E
Ferrous Chloride	Aq. C.S.	U	—	E	E	E	U	B
Ferrous Sulfate	10	—	—	E	E	E	E[1]	E
Fluorine (Dry)	100	—	—	U	E	—	U	U
Formaldehyde	40	E	S	E	E	E	E[1]	E
Formic Acid	All	U	U	E	E	E	E	E
Freons	100	E	—	—	E	E	—	—
Fuel Oil	100	—	E	—	E	E	E	E
Furfural	100	E	—	—	E	E	E	E
Gallic Acid	Aq. C.S.	—	—	—	E	E	E	E
Gasoline	100	E	—	B	E	E	E	E
Glycerin	100	—	E	E	—	E	E	E

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Chemical Resistance

Table C — Resistance of PANDUIT® Cable Tie Materials to Chemical Attack at 70°F (Continued)

Agent	Percent Concentration	* Nylon 6.6	Nylon 12	Polypropylene	TEFZEL■	HALAR▲	304 Stainless Steel	316 Stainless Steel
Glycolic Acid	40	U	—	E	E	E	—	—
Heptane	100	—	E	E	E	E	E	E
Hexane	100	—	E	E	E	E	E	E
Hydrobromic Acid	All	U	U	E	E	E	U	U
Hydrochloric Acid	All	U	U	E	E	E	U	U
Hydrocyanic Acid	All	—	U	E	E	E	B	B
Hydrofluoric Acid	All	U	U	E	E	E	U	U
Hydrofluorosiliac Acid	30	—	U	E	E	E	U	U
Hydrogen Peroxide	30	U	S	S	E	E	S	E
Hydrogen Sulfide	Dry	—	—	E	E	E	E	E
Hydrogen Sulfide	Wet	U	—	E	E	E	B[2]	E[2]
Hydroquinone	100	—	—	E	E	E	—	—
Iodine	100	—	—	E	E	E	U	U
Iodoform	100	—	—	—	E	E	E	E
Isopropyl Alcohol	100	E	E	E	E	E	E	E
Jet Fuel	100	E	—	E	E	E	E	E
Lactic Acid	10	E	S	E	E	E	E	E
Lanolin	10	E	E	E	E	E	E	E
Lead Acetate	Aq. C.S.	—	—	E	E	E	E	E
Linseed Oil	100	E	E	E	E	E	E	E
Magnesium Carbonate	Aq. C.S.	—	E	E	E	E	E	E
Magnesium Chloride	Aq. C.S.	B	E	E	E	E	E[1]	E[1]
Magnesium Nitrate	Aq. C.S.	—	E	E	E	E	E	E
Maleic Acid	100	—	—	E	E	E	—	—
Malic Acid	Aq. C.S.	—	—	E	E	E	E	E
Mercuric Chloride	Dilute	—	E	E	E	E	U	U
Mercury	100	—	E	E	E	E	E	E
Methyl Alcohol	100	E	E	E	E	E	E	E
Methyl Bromide	100	—	—	U	E	E	—	—
Methyl Chloride	100	—	—	B	E	E	—	E
Methyl Chloroform	100	E	—	B	E	E	—	—
Methyl Ethyl Ketone	100	—	E	B	E	E	E	E
Methyl Isobutyl Ketone	100	E	—	B	E	E	E	E
Methylene Chloride	100	B	U	B	E	E	E	E
Naptha	100	—	—	E	E	E	E	E
Naphthalene	100	—	S	E	E	E	E	E
Nickel Chloride	Aq. C.S.	—	E	E	E	E	E[1]	E[1]
Nickel Sulfate	Aq. C.S.	—	E	E	E	E	E[1]	E[1]
Nitric Acid	10 to 30	U	U	E	E	E	E	E
Nitric Acid	30 to 68	U	U	U	S	E	E	E
Nitro Benzene	100	—	B	B	E	E	E	E
Nitro Methane	100	E	—	—	E	E	—	—
Nitrous Acid	5	—	—	—	E	E	E	E
Oleic Acid	100	—	B	E	E	E	E	E
Oxalic Acid	10	—	B	E	E	E	E	E
Oxygen	All	—	—	E	E	E	—	—
Paraffin	100	E	E	E	E	E	E	E
Perchlorethylene	100	—	—	B	E	E	E	E
Petroleum Ether	100	—	E	E	E	E	E	E
Phenol	90	U	U	E	E	E	E	E
Phosphoric Acid	10	U	U	E	E	E	E	E
Phosphorus Pentoxide	100	—	U	E	E	E	—	—
Phosphorus Trichloride	100	—	U	B	E	E	E	E
Phthalic Acid	50	—	—	B	E	E	E	E
Pictic Acid	1	—	—	E	E	E	E	E

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Table C — Resistance of PANDUIT® Cable Tie Materials to Chemical Attack at 70°F (Continued)

Agent	Percent Concentration	* Nylon 6.6	Nylon 12	Polypropylene	TEFZEL■	HALAR▲	304 Stainless Steel	316 Stainless Steel
Potassium Borate	1	—	—	E	E	E	—	—
Potassium Bromide	Aq. C.S.	—	—	E	E	E	E[1]	E[1]
Potassium Carbonate	Aq. C.S.	—	B	E	E	E	E	E
Potassium Chlorate	Aq. C.S.	—	S	E	E	E	E	E
Potassium Chloride	5	—	E	E	E	E	E[1]	E[1]
Potassium Dichromate	Aq. C.S.	—	U	E	E	E	E	E
Potassium Ferrocyanide	25	—	—	E	E	E	E	E
Potassium Hydroxide	30	B	—	E	E	E	B	B
Potassium Iodide	Aq. C.S.	—	E	E	—	E	E	E
Potassium Nitrate	Aq. C.S.	—	E	E	E	E	E	E
Potassium Perchlorate	1	—	—	E	E	E	—	—
Potassium Permanganate	5	U	U	E	E	E	E	E
Potassium Persulfate	All	—	—	E	E	E	—	—
Potassium Sulfate	Aq. C.S.	—	E	E	E	E	E	E
Potassium Sulfide	Aq. C.S.	—	—	E	E	E	E	E
Propionic Acid	50	—	—	E	E	E	—	—
Propyl Alcohol	100	E	—	E	E	E	E	E
Pyridine	100	—	E	B	E	E	B	B
Sea Water	100	—	E	E	E	E	E[1]	E
Silver Chloride	Aq. C.S.	—	E	E	E	E	U	U
Silver Nitrate	10	—	E	E	E	E	E	E
Sodium Acetate	Aq. C.S.	E	—	E	E	E	E[1]	E
Sodium Benzoate	Aq. C.S.	—	—	E	E	E	—	—
Sodium Bicarbonate	Aq. C. S.	E	E	E	E	E	E	E
Sodium Bisulfate	10	—	—	E	E	E	E	E
Sodium Bisulfite	Aq. C.S.	—	S	E	E	E	E	E
Sodium Borate	Aq. C.S.	—	—	E	E	E	E	E
Sodium Carbonate	2	E	E	E	E	E	E	E
Sodium Chlorate	25	—	B	E	E	E	E	E
Sodium Chloride	10	E	E	E	E	E	E[1]	E[1]
Sodium Chromate	Aq. C.S.	U	—	E	E	E	E	E
Sodium Fluoride	5	—	—	E	E	E	E[1]	E[1]
Sodium Hydroxide	10	E	E	E	E	E	E	E
Sodium Hypochlorite	5	S	B	E	E	E	B[1]	E[1]
Sodium Hyposulfite	Aq. C.S.	—	—	—	E	E	E	E
Sodium Nitrate	5	E	E	E	E	E	E	E
Sodium Nitrite	Aq. C.S.	—	B	E	E	E	E	E
Sodium Perborate	Aq. C.S.	—	S	E	E	E	—	B
Sodium Perchlorate	10	—	—	—	E	E	E	E
Sodium Phosphate	5	—	E	E	E	E	E	E
Sodium Sulfate	5	—	E	E	E	E	E	E
Sodium Sulfide	5	—	E	E	E	E	E[1]	E
Sodium Thiosulfate	25	—	E	E	E	E	E[2]	E[2]
Stannic Chloride	Aq. C.S.	U	—	E	E	E	U	B
Stannous Chloride	Aq. C.S.	—	E	E	E	E	B	S
Stearic Acid	100	—	B	E	E	E	E	E
Succinic Acid	100	—	S	E	E	E	—	—
Sulfur	100	—	E	E	E	E	S	B
Sulfer Dioxide	All	U	—	B	E	E	E	E
Sulfuric Acid	5	U	B	E	E	E	B	E
Sulfuric Acid	50	U	U	E	E	E	U	B
Sulfuric Acid	Concentrate	U	U	B	E	E	B	B

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Table C — Resistance of PANDUIT® Cable Tie Materials to Chemical Attack at 70°F (Continued)

Agent	Percent Concen-tration	* Nylon 6.6	Nylon 12	Polypro-pylene	TEFZEL■	HALAR▲	304 Stainless Steel	316 Stainless Steel
Sulfurous Acid	10	E	—	E	E	E	B[1]	E[1]
Tannic Acid	10	—	E	E	E	E	E	E
Tartaric Acid	50	—	S	E	E	E	E	E
Tetrahydrofuran	100	—	B	B	E	E	E	E
Toluene	100	E	E	B	E	E	E	E
Trichloroacetic Acid	10	U	—	S	E	E	U	U
Trichloroethylene	100	—	U	B	E	E	E[1]	E[1]
Turpentine	100	—	S	U	E	E	E	E
Urea	50	—	E	E	E	E	—	—
Vinyl Acetate	100	—	—	E	E	E	—	—
Xylene	100	E	—	U	E	E	E	E
Zinc Chloride	70	U	E	E	E	E	E	E
Zinc Nitrate	Aq. C.S.	—	E	E	E	E	E	E
Zinc Sulfate	Aq. C.S.	—	E	E	E	E	E	E

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Quality . . . "First Among Equals" at *PANDUIT*

The owner-operator concept makes employees responsible for their areas of the manufacturing process.

Operator inspection is an important Panduit TQA procedure.

Members of Excellence Thru Quality Teams search for ways to improve product quality.

TQA is a Top Level Concern

Total Quality Assurance (TQA) has the highest priority at Panduit. Division managers are members of the Panduit Quality Council, which implements our "Excellence Through Quality" (ETQ) program. Under this program, all employees receive training in quality and are empowered to continually improve products and services in their work area. There is no mistaking that quality is a state of mind at Panduit.

In addition, Panduit engineering and manufacturing work closely together from the beginning to design quality into both the product and the manufacturing process.

People — the Key to Excellence

Although Panduit continues to invest heavily in testing and other equipment to support TQA activities, people remain the key to achieving excellence.

For example, under the "owner-operator" concept, individual employees, using continuous process testing, are responsible for the quality produced in their area of manufacturing or service.

ISO 9001

Virtually all Panduit worldwide manufacturing facilities have received ISO registration. This recognition indicates that we meet the most comprehensive international standards

in design, purchasing, manufacturing, testing, documentation, shipping and service. As a result, Panduit's high-quality products and services are helping customers meet ISO 9000 quality requirements while reducing their transaction and inspection costs.

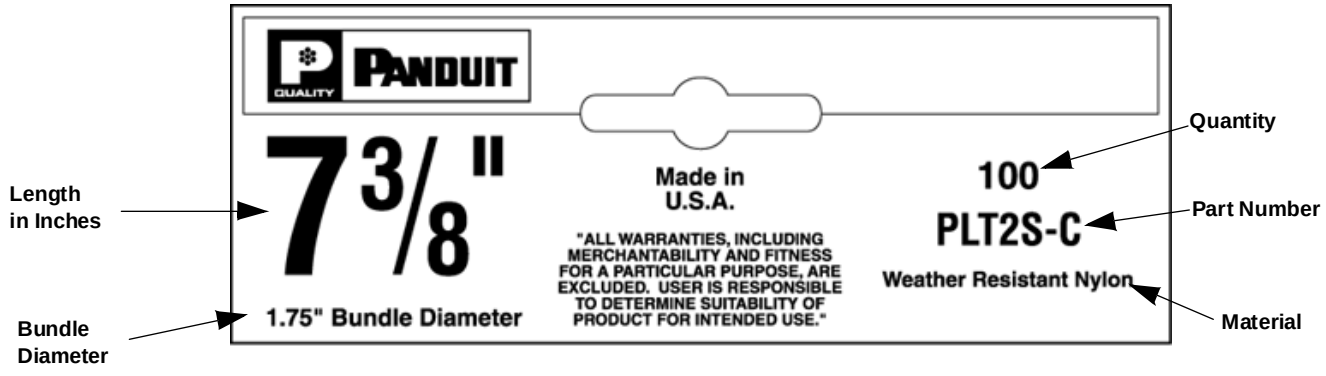
In addition to ISO certification, Panduit provides additional quality requirements to meet the needs of specific industries.

Panduit Packaging

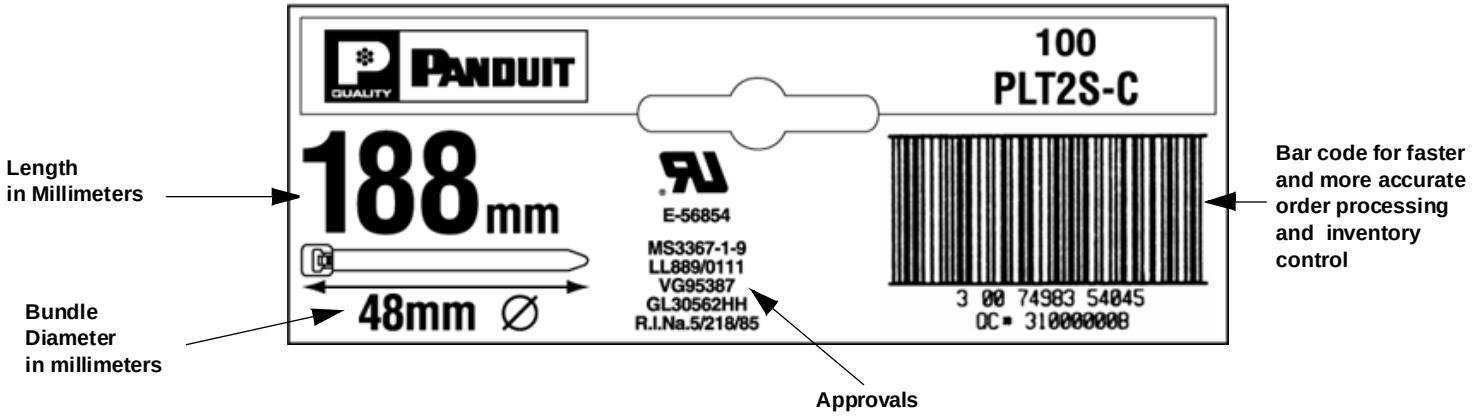
All Panduit packaging is designed to provide complete and fast identification of contents, durable product protection, easy handling, informative graphics, and bar coding for more accurate inventory control. On our more popular parts, you can choose from our convenience pack, standard pack or bulk pack quantities.

Informative and Easy to Read Labels

Front Side of Label



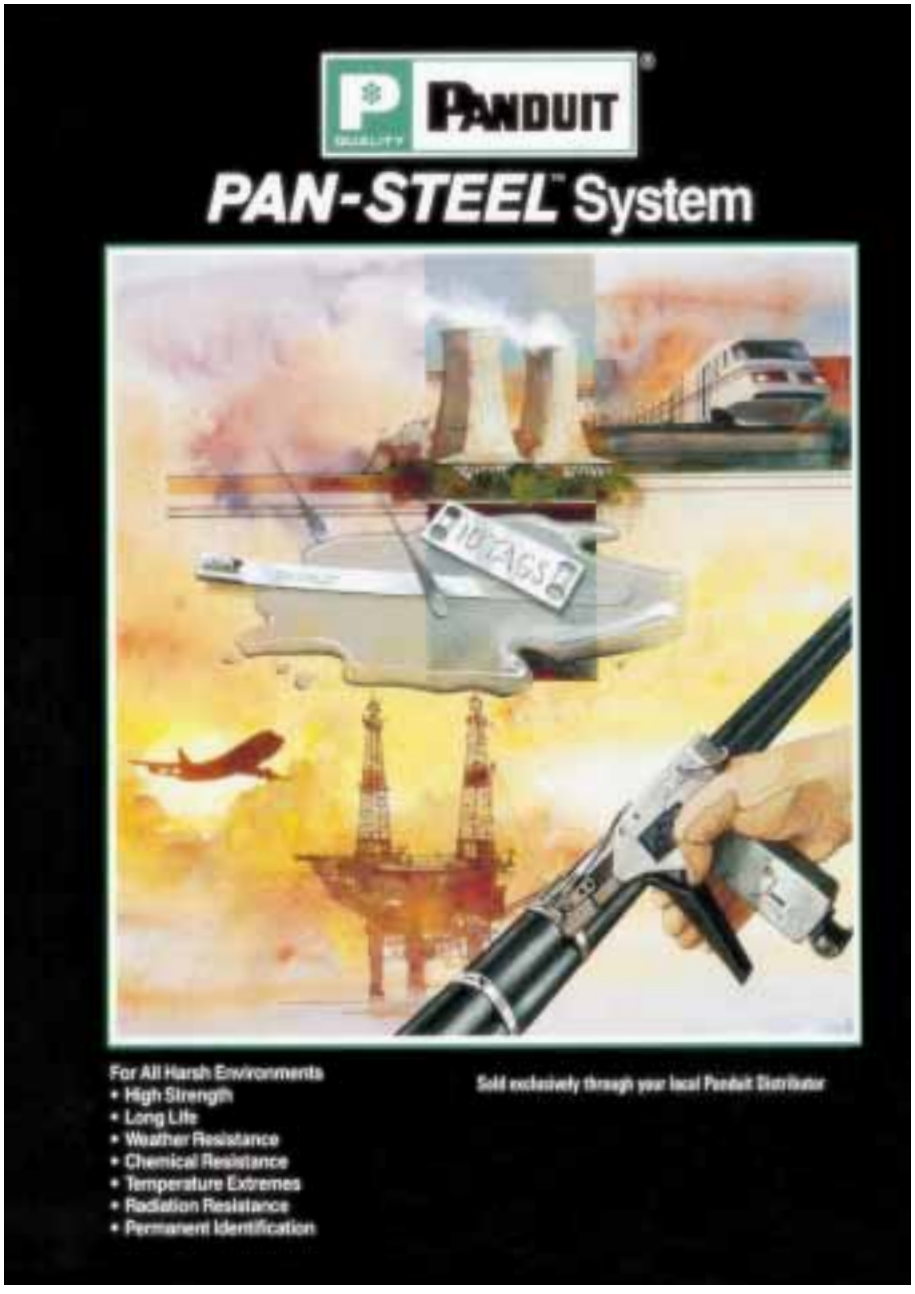
Back Side of Label



PANDUIT® Products are on Display at Your Local Panduit Distributor

Your local Panduit Distributor carries top quality PANDUIT® products and offers many advantages and services to help lower your transaction costs:

- Local stock for fast delivery and "Just-In-Time" requirements. Reduces your inventory costs.
- One stop for all your electrical needs because he stocks products from many manufacturers. One purchase order, less administrative/freight costs.
- Well trained personnel to answer any questions and to make sure you have the right product for the right job.


PANDUIT
PAN-STEEL™ System
For All Harsh Environments
• High Strength
• Long Life
• Weather Resistance
• Chemical Resistance
• Temperature Extremes
• Radiation Resistance
• Permanent Identification
Sold exclusively through your local Panduit Distributor

PAN-STEEL™ Stainless Steel Tie System

RELIABLE PERFORMANCE IN SEVERE ENVIRONMENTAL CONDITIONS

- Perfect for indoor, outdoor and underground applications—excellent resistance to abrasion, radiation, weathering, corrosion and temperature extremes
- Ties are self-locking for fast cabling and can be installed by hand or with unique ***PANDUIT*** tools
- Safe to handle, safe for wires—no sharp edges (fully rounded sides)

TIES

Standard Sizes

- Fully radiused sides
- Fast and easy to install (self-locking)
- 304 Stainless Steel
- Standard cross-section ties are MIL-S-23190 approved
- For more corrosive applications 316 stainless is available
- Det Norske Veritas approved on 316 material
- For extreme high temperature applications, 321 material is available

PANDUIT Part No.	Max. Bundle Dia. Inches (mm)	Length Inches (mm)	Width Inches (mm)	Min. Loop Tensile Strength Lbs. (N)	Pkg. Qty.	Ctn. Qty.
MLT1S-CP	1.00 (25)	5.0 (127)	.18 (5)	100 (445)	100	500
MLT2S-CP	2.00 (50)	7.9 (201)			100	500
MLT2.7S-CP	2.70 (69)	10.2 (259)			100	500
MLT4S-CP	4.00 (102)	14.2 (360)			100	500
MLT6S-CP	6.00 (152)	20.4 (520)			100	500
MLT8S-CP	8.00 (203	26.8 (679)			100	500
MLT10S-CP	10.00 (254)	33.0 (838)			100	500
MLT12S-Q	12.00 (305)	42.0 (1067)			25	125
MLT14S-Q	14.00 (356)	47.0 (1194)			25	125
MLT2H-LP	2.00 (50)	7.9 (201)	.31 (8)	250 (1112)	50	250
MLT2.7H-LP	2.70 (69)	10.2 (259)			50	250
MLT4H-LP	4.00 (102	14.2 (360)			50	250
MLT6H-LP	6.00 (152)	20.4 (520)			50	250
MLT8H-LP	8.00 (203	26.8 (679)			50	250
MLT10H-LP	10.00 (254)	33.0 (838)			50	250
MLT12H-Q	12.00 (305)	42.0 (1067)			25	125
MLT14H-Q	14.00 (356)	47.0 (1194)			25	125

Custom Length Banding System

- For applications that require bundling various bundle diameters
- Provides versatility on job sites for any diameter with minimum inventory
- 304 Stainless Steel (316 available). Contact factory

CUSTOM LENGTH BANDING SYSTEM						
MBS-TLR	Any	n/a	5	n/a	1*	n/a
MBS-MR					1*	n/a
MBH-TLR	Any	n/a	8	n/a	1*	n/a
MBH-MR					1*	n/a
BANDING HEADS						
MTHS-C	n/a	n/a	n/a	n/a	100	1000
MTHH-C	n/a	n/a	n/a	n/a	100	1000

*Order number of reels required. Std. Pkg. -TLR = 76M reel and Bulk Pkg. - MR = 305M reel.
Premier products are shown in **BOLD** print.

Double Wrap Metal Locking Ties

Cable ties body wraps around two times entering the locking head twice.

- Double wrapped stainless steel ties in 304 material for extra high strength in critical applications
- Double wrapped stainless steel ties allow for tighter tensioning on non-resilient bundles
- Available in .31" (7.9mm) width for bundle diameters ranging from 1.00"-10.00" (25mm-250mm)
- Loop tensile strength of 600 lbs. (2669N)
- Self-locking ties, no tools required
- Optional tooling is available to speed installation and lower installed costs (see page 74)

MLT2DH-L	2.00 (50)	18.5 (470)	.31 (8)	600 (2669)	50	250
MLT3DH-L	3.00 (75)	22.0 (559)			50	250
MLT4DH-L	4.00 (102)	28.0 (711)			50	250
MLT5DH-L	5.00 (125)	34.0 (863)			50	250
MLT6DH-Q	6.00 (152)	40.0 (1016)			25	250
MLT7DH-Q	7.00 (175)	46.5 (1181)			25	250
MLT8DH-Q	8.00 (203)	53.0 (1345)			25	250
MLT9DH-Q	9.00 (225)	59.0 (1500)			25	250
MLT10DH-Q	10.00 (254)	65.0 (1652)			25	250

Order number of ties required in multiples of Pkg. Qty.

Nylon 11 Coated Ties

- 316 base material provides added corrosion protection
- Coating provides additional protection to the bundle
- Provides improved isolation between dissimilar metals

COATED 316 STAINLESS STEEL						
MLTC2H-LP316	2.00 (50)	7.9 (201)	.31 (8)	120 (534)	50	250
MLTC4H-LP316	4.00 (102)	14.3 (362)			50	250
MLTC6H-LP316	6.00 (152)	20.5 (521)			50	250
MLTC8H-LP316	8.00 (203)	26.8 (679)			50	250
MLTC10H-LP316	10.00 (254)	33.0 (838)			50	250

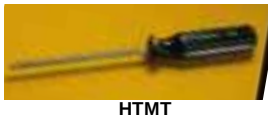
*Order number of reels required. Std. Pkg. -TLR = 76M reel and Bulk Pkg. - MR = 305M reel.
Premier products are shown in **BOLD** print.

Installation Tools

ST2MT

GS4MT

PPTMT


HTMT

PANDUIT Part No.	Description	Pkg. Qty.
PPTMT	Pneumatic-operated, tool controlled tension and cut-off for production applications	1
GS4MT	MIL approved. Hand-operated, tool controlled tension and cut-off	1
K4M-BLD	Replacement cutter blade for GS4MT	1
K4MTG	Replacement tension gripper for GS4MT	1
ST2MT	Hand-operated, installer controlled tension and cut-off	1
KT2MG	Replacement tension gripper for ST2MT	1
HTMT	Used to tension and coil the tail of tie	1

PAN-STEEL™ Accessories

Cushion Sleeve

- Makes rigid bundles resilient, provides tighter tensioning
- Non-conductive insulator between clamp and bundle

Material: Black, Neoprene Rubber

PANDUIT Part No.	For Clamp Width mm	Sleeve Width mm	Pkg. Qty.	Ctn. Qty.
PCSS-B-QR	.18 (4.6)	.33 (8)	1	10
PCSS-B-CR			1	—
PCSH-B-QR	.31 (7.9)	.47 (12)	1	10
PCSH-B-CR			1	—

Std. Pkg. -QR = 25 ft. reel
Bulk Pkg. -CR = 100 ft. reel
Order the number of reels required.

Stainless Steel Mounts

Mount

- Screw applied
- Low profile
- Utilizes only one hole for mounting

Material: 304 Stainless Steel

PANDUIT Part No.	For MLT Tie Width in (mm)	Mounting Method	Hole Diameter	Pkg. Qty.	Ctn. Qty.
MTM1H-C	.18 (4.6) or .31 (7.9)	#8 (4mm) Screw	.176" (4.47mm)	100	1000
MTM1H10-C		#10 (5mm) Screw	.214" (5.43mm	100	1000
MTM1H25-C		1/4" (6mm) Screw	.281" (7.14mm)	100	1000

Push-Wing Mount
MPWM-H56-Q

Push-Button Mount
MBM-H25-Q

Two-Way Mount
MTM2H-Q

Bulkhead Mount
MTMBH-Q

PANDUIT® Part No.	For MLT Tie Width In. (mm)	Mounting Method	Panel Thickness	Std. Pkg. Qty.	Std. Ctn. Qty.
MPWM-H56-Q	.18 (4.6) or .31 (7.9)	Inserted into pre-drilled hole 5/16" (8mm)	.031" (.8mm) - .094" (2.38mm)	25	250
MBM-H25-Q	.18 (4.6)	Inserted into pre-drilled hole .250" (6.4mm)	.031" (.8mm) - .125" (3.18mm)	25	250
MTM2H-Q	.18 (4.6) or .31 (7.9)	#8 (4mm) Screw	—	25	250
MTMBH-Q	.18 (4.6) or .31 (7.9)	Pre-drill hole size Max. size .625" (15.9mm)	Up to .500" max. (12.7mm)	25	250

Material: 304 Stainless Steel

Stainless Steel Marking Products

Use ***PAN-STEEL*** Ties or stainless steel strapping to provide identification in harsh environments. The ties and strapping can be stamped with available tooling or custom stamped at the factory. Marker plates and metal embossed tape are also available.

MARKER PLATES AND TAGS

- Attached with ***PAN-STEEL*** ties
- 304, 316 stainless steel, brass, aluminum and anodized aluminum available
- Can be used as a flag or wrap
- Various sizes and shapes available; round, square, rectangular, octagonal, etc. Contact factory for part numbers etc.
- All can be custom marked by Panduit. See page 75 for details

PANDUIT® Part No.	Used with Clamp/Tie Width	Size - In. (mm)		Std. Pkg. Qty.	Std. Ctn. Qty.
		Width	Length		
MMP350-C	.18" (4.6)	.75 (19)	3.50 (89)	100	1000
MMP350W38-C	.18" (4.6)	.38 (10)	3.50 (89)	100	1000
MMP350H-C	.18"(4.6) or .31" (7.9)	.75 (19)	3.50 (89)	100	1000

For more complete information on Stainless Steel Products, see SA101N16G.

Stainless Steel Marking Products (continued)

METAL EMBOSSED TAPE SYSTEM

- Hand operated embosser with 3/16" height characters (approx. 6 characters/inch)
- Hole punch (3/16" dia.) allows tape to be used as a wrap or flag marker, held on with ***PAN-STEEL***™ ties

Characters include:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2	3	4	5	6	7	8	9	.	/	-		

3/8" height (approx. 6 characters per inch)

PANDUIT® **Part No.**	**Description**	**Pkg. Qty.**	**Ctn. Qty.**
MEHT	Embosser, carrying case, (1) roll each of META and METS4 tape	1	—
TAPE			
META-X	1/2" x 16 ft. roll Aluminum tape	10	50
METS3-X	1/2" x 21 ft. roll Stainless Steel (316 Grade)	10	50
METS4-X	1/2" x 21 ft. roll Stainless Steel (304 Grade)	10	50

Indenter Press

- For medium volume marking of ties, strapping or plates
- Manual operation with automatic indexing
- Interchangeable character wheel makes the press versatile and economical
- Press includes fixturing device to provide high quality marking

Characters include:

A	B	C	D	E	F	G	H	I	J	K	L	M	N
O	P	Q	R	S	T	U	V	W	X	Y	Z		
&	1	2	3	4	5	6	7	8	9	0	.	/	-

PANDUIT® **Part No.**	**Description**	**Pkg. Qty.**
IMP094	Press with 3/32" character wheel	1
IMP125	Press with 1/8" character wheel	1
IMP187	Press with 3/16" character wheel	1
	Interchangeable Character Wheel Kits	
MWK094	3/32" character wheel kit	1
MWK125	1/8" character wheel kit	1
MWK187	3/16" character wheel kit	1
IMP-FIX	Interchangeable fixture for MMP172 series. MT series and the aluminum marker plates.	1

CUSTOM MARKING SERVICE ON STAINLESS STEEL TIES, MARKER PLATES AND TAGS AND ANODIZED ALUMINUM LOCKS*

- High quality, sharp, crisp legends
- Bar coding capability on selected color tags
- Two (2) computer controlled systems available: Laser and Embosser
- Alphanumeric and sequential numbering for serialization
- Contact factory for information

*Anodized aluminum locks can only be marked by the Laser System.

COMPUTER CONTROLLED MARKING SYSTEMS

LASER MARKING SYSTEM

LASER MARKING SYSTEM: Graphics capabilities along with block letters (bold) are available for high quality identification along with bar coding on selected colored stainless steel marker tags. Also, alphanumeric and sequential numbering with multiple character sizes to choose from. The laser system provides both upper and lower case characters. Character sizes available: 1/8" (3.18mm) (shown), 3/16" (4.77mm), 1/4" (6.35mm), 5/16" (7.94mm) and 1/2" (12.7mm).* The laser is the ultimate in marking.

EMBOSSING SYSTEM

EMBOSSING SYSTEM: Excellent for applications that will be exposed to occasional painting and excessive dirt. Can only be used on stainless steel and brass marker plates and tags that are a maximum of .020" (.508mm) thick. Alphanumeric and sequential numbering capability. The embossing system provides upper case characters only. Character sizes available: 1/8" (3.18mm) and 3/16" (4.77mm) (shown).

*Other character sizes available. Contact factory.

Stainless Steel Strapping

REPLACES TRADITIONAL WING SEAL STRAPS

- Suited to applications requiring higher loop tensile strength and/or wider bearing surfaces than ***PAN-STEEL***™ ties
- Fast and easy to install using ***PANDUIT*** installation tool
- Safe to handle—no sharp edges

STRAPPING

Standard Sizes

- Suited to applications requiring higher loop tensile strength and/or wider bearing surfaces than ***PAN-STEEL*** ties
- Fast and easy to install using ***PANDUIT*** installation tool.
- Safe to handle—no sharp edges
- Buckle design provides low finished profile—after tensioning, cut end is locked inside buckle
- Standard material is 304 stainless, non-magnetic

*Nylon coated straps available. Contact factory.

PANDUIT Part No.	Max. Bundle Dia. In. (mm)	Approx. Length In. (mm)	Approx. Width In. (mm)	Min. Loop Tensile Strength lbs. (n)	Std. Pkg. Qty.	Std. Ctn. Qty.
304 STAINLESS STEEL - .015" THICK						
MS2X375X15-LS	2.00 (50)	10.5 (266)	.375 (10)	300 (1335)	50	250
MS4X375X15-LS	4.00 (102)	16.2 (412)			50	250
MS6X375X15-LS	6.00 (152)	22.5 (572)			50	250
MS8X375X15-LS	8.00 (203)	28.7 (729)			50	250
MS10X375X15-LS	10.00 (254)	35.0 (889)			50	250
MS4X500X15-LS	4.00 (102)	16.2 (412)	.500 (12)	500 (2224)	50	250
MS6X500X15-LS	6.00 (152)	22.5 (572)			50	250
MS8X500X15-LS	8.00 (203)	28.7 (729)			50	250
MS10X500X15-LS	10.00 (254)	35.0 (889)			50	250
MS4X625X15-LS	4.00 (102)	16.2 (412)	.625 (16)	600 (2670)	50	250
MS6X625X15-LS	6.00 (152)	22.5 (572)			50	250
MS8X625X15-LS	8.00 (203)	28.7 (729)			50	250
MS10X625X15-LS	10.00 (254)	35.0 (889)			50	250
304 STAINLESS STEEL - .020" THICK						
MS4X500X20-LS	4.00 (102)	16.2 (412)	.500 (12)	500 (2224)	50	250
MS6X500X20-LS	6.00 (152)	22.5 (572)			50	250
MS8X500X20-LS	8.00 (203)	28.7 (729)			50	250
MS10X500X20-LS	10.00 (254)	35.0 (889)			50	250

Custom Length Strapping System

- Provides job-site versatility with minimum inventory
- Gives custom capability on larger diameters
- 304 stainless steel
- Buckle is easy to install—just slip onto strapping and turn strapping back on bundle

PANDUIT Part No.	Thickness In. (mm)	Approx. Width In. (mm)	Used With Buckle	Std. Pkg. Qty.	Std. Ctn. Qty.
STRAPPING					
MS375X15-TSR	.015 (0.4)	.375 (10)	MSB375	200'*	—
MS500X15-TSR	.015 (0.4)	.500 (12)	MSB500	200'*	—
MS500X20-TSR	.020 (0.5)	.500 (12)	MSB500	200'*	—
MS625X15-TSR	.015 (0.4)	.625 (16)	MSB625	200'*	—
BUCKLE					
MSB375-CS	Used with .375" width strapping			100	1000
MSB500-CS	Used with .500" width strapping			100	1000
MSB625-CS	Used with .625" width strapping			100	1000

*Standard Package - TSR = 200 ft. reel. Order the number of reels required. Order the number of bundles required, in multiples of std. pkg. qty.

INSTALLATION TOOL

BT2MS75

- Replacement nose and gripper provide an economical means to keep tool operating efficiently in the future

PANDUIT Part No.	Description	Pkg. Qty.
BT2MS75	Tensions, cuts strapping and secures the buckle tab. Used with all widths and thicknesses of ***PANDUIT*** strapping	1
BT2N75	Replacement nose section for BT2MS75 tool	1
KT2MG	Replacement tension gripper for BT2MS75 tool	1

For more complete information on Stainless Steel Products, see SA101N16G.

Wiring Accessories

Adhesive Backed Cable Tie Mounts

Marker Plates and Pens

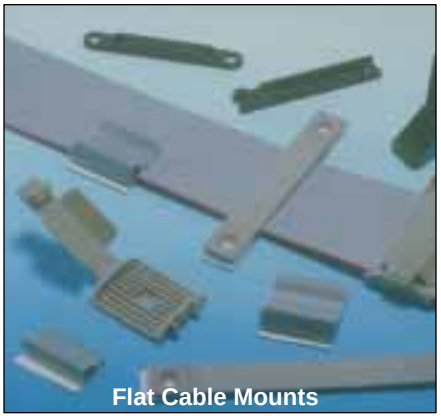
Tie Mounts and Anchors

Push Mounts

Cord Clips

Abrasion Protection Products

Snap-In Clips


Flat Cable Mounts

Harness Board Accessories

Smart Ways to Lower Your Installed Cost

PANDUIT*® Wiring Accessories** offer you a complete selection of intelligent answers designed to speed installation and lower your installed costs—whatever your requirements. Plus ***PANDUIT provides experienced technical support to assure you get not only the best product for your application, but maximum benefit from its use.

For more information call toll-free:

888-506-5400, Ext. 7346 or 708-532-1800

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PANDUIT® Wiring Accessories

Wiring Accessories are an integral part of Panduit's comprehensive selection of wire management products. These accessories help provide you with the lowest installed solution to controlling, mounting and protecting wire and cable. These products are manufactured in an environment committed to design innovation, high quality and knowledgeable service to our customers. The key benefits of this commitment are:

- The highest quality manufacturing environment, including statistical process control to meet applicable international and domestic standards

Contact the factory for registrar and product scope information.

- PANDUIT teams up with a national network of Distributors to provide you with Just In Time shipping to eliminate your need for large inventories
- Fully staffed engineering and tool & die departments to assist in designing solutions to specific industry applications
- Continuous research on materials, adhesives and new technologies to provide you the latest product innovations

Selection of Styles

Cable Tie Accessories

These products are used with ***PANDUIT*** Cable Ties to speed and simplify the mounting of wires, cables and tubing. Installation methods include self-adhesive-backed, user applied adhesive, screws, rivets or through-panel mount designs.

Wiring Accessories

These products—including fixed and adjustable diameter accessories—are used without cable ties. Mounting methods include self-adhesive-backed, user applied adhesive, screws, rivets or through-panel designs.

Harness Board Accessories

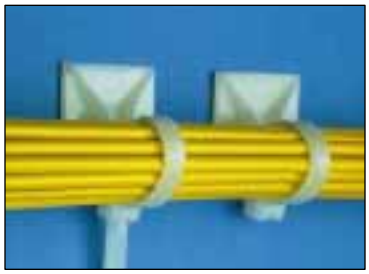
Panduit's unique selection of harness board accessories speeds the routing and forming of wire in harness fabrication. They hold wires at a uniform height above the board and are ideal for use with ***PANDUIT*** manual and automatic cable tie tooling.

Abrasion Protection Products

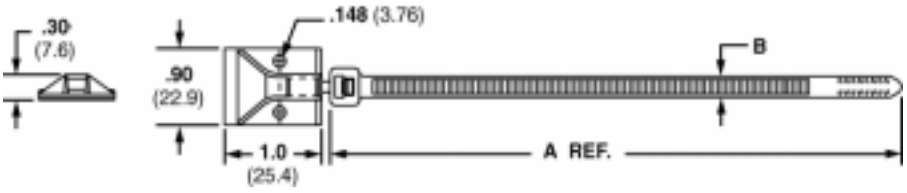
Spiral wrapping, braided expandable sleeving and corrugated tubing enclose wires, hoses and tubing to protect them from abrasion. They are available in a variety of sizes and materials to meet a broad range of indoor and outdoor applications.

Grommet edging provides abrasion protection on outside edges and holes cut through metal or plastic surfaces.

Combination Adhesive Mount/Cable Tie



Adhesive mount and cable tie molded as one piece help reduce inventory costs. Mount portion features ramp to guide tip into tie head and holes to install two (2) optional #6 screws for added mounting strength. Available with locking or releasable tie. Extended adhesive liner release tab on mount for fast liner removal.

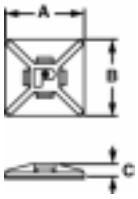


Part Number†	Cable Tie Specifications: Length A In. (mm)	Width B In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended PANDUIT® Installation Tool	Mount Static Load	Packaging*: Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Locking PLA2S-A-Q	7.3 (185)	.19 (4.8)	1.85 (47)	50 lbs. (222N)	GS2B, GS4H, PPTS, STS2 or STH2	.45 lbs. (204g)	25	250	100	1000
Releasable PRA2S-A-Q	7.3 (185)	.19 (4.8)	1.85 (47)	50 lbs. (222N)	Hand Installed Only	.45 lbs. (204g)	25	250	100	1000

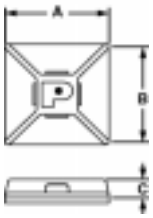
4-Way Adhesive Backed Mounts

Lower your installed costs with fast, easy-to-install ***PANDUIT*** adhesive-backed cable tie mounts. Four-way tie entry for easy orientation of wires or cables.

For specific information on adhesive properties and technical data on mount selection, see ***Pages 115 to 120***.



ABM1M-A
ABM1M-AT



ABMM-A
ABMM-AT

PANDUIT mounts are produced either 2-up or 4-up for fast and easy liner removal to speed installation.

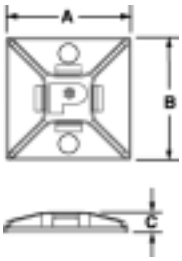
ABM1M-A and ABM1M-AT mounts are supplied on a dispenser strip of four mounts. ABMM-A and ABMM-AT mounts are supplied on a dispenser strip of two mounts.

Part Number†	Used With Cable Ties**	Dimensions inches (mm): A	B	C	Material	Color	Where Used	Adhesive Type/Static Load lbs. (g)	Packaging*: Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
ABM1M-A-C	M	.50 (12.7)	.50 (12.7)	.16 (4.0)	Nylon	White	Indoors	Rubber .13 (59)	100	500	1000	5000
ABM1M-AT-C	M	.50 (12.7)	.50 (12.7)	.16 (4.0)	Nylon	White	Indoors/ High Temp.	Acrylic .13 (59)	100	500	1000	5000
ABMM-A-C	M,I	.75 (19.1)	.75 (19.1)	.18 (4.6)	ABS	White	Indoors	Rubber .30 (136)	100	500	500	5000
ABMM-AT-C	M,I	.75 (19.1)	.75 (19.1)	.18 (4.6)	ABS	White	Indoors/ High Temp.	Acrylic .30 (136)	100	500	500	5000
ABMM-AT-C0	M,I	.75 (19.1)	.75 (19.1)	.18 (4.6)	ABS	Black	Outdoors/ High Temp.	Acrylic .30 (136)	100	500	500	5000

Most commonly used parts appear in **BOLD**.

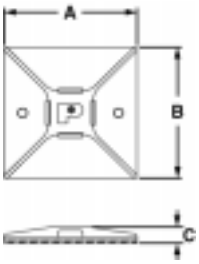
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***..
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

4-Way Adhesive Backed Mounts



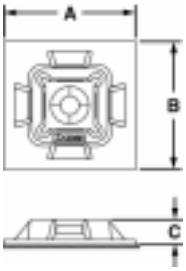
ABM2S

For greater support use two (2) #6 (M3) screws in mounting holes. Supplied two mounts on a dispenser strip.



ABM3H
ABM4H

For greater support use two (2) #6 (M3) screws in mounting holes.



ABM100

For greater support use one (1) #6 (M3) screw in mounting hole. Supplied two mounts on a dispenser strip.

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Adhesive Type/Static Load lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
ABM2S-A-C	M, I, S	1.00 (25.4)	1.00 (25.4)	.20 (5.1)	ABS	White	Indoors	Rubber .50 (227)	100	500	500	5000
ABM2S-A-C14	M, I, S	1.00 (25.4)	1.00 (25.4)	.20 (5.1)	ABS	Gray	Indoors	Rubber .50 (227)	100	500	500	5000
ABM2S-A-C15	M, I, S	1.00 (25.4)	1.00 (25.4)	.20 (5.1)	ABS	Ivory	Indoors	Rubber .50 (227)	100	500	500	5000
ABM2S-AT-C	M, I, S	1.00 (25.4)	1.00 (25.4)	.20 (5.1)	ABS	White	Indoors/ High Temp.	Acrylic .50 (227)	100	500	500	5000
ABM2S-AT-C0	M, I, S	1.00 (25.4)	1.00 (25.4)	.20 (5.1)	ABS	Black	Outdoors/ High Temp.	Acrylic .50 (227)	100	500	500	5000
ABM3H-A-L	M, I, S, LH, H	1.50 (38.1)	1.50 (38.1)	.25 (6.4)	Nylon	White	Indoors	Rubber 1.12 (508)	50	500	200	1000
ABM3H-AT-L	M, I, S, LH, H	1.50 (38.1)	1.50 (38.1)	.25 (6.4)	Nylon	White	Indoors/ High Temp.	Acrylic 1.12 (508)	50	500	200	1000
ABM4H-A-L	M, I, S, LH, H	2.00 (50.8)	2.00 (50.8)	.25 (6.4)	Nylon	White	Indoors	Rubber 2.0 (907)	50	500	200	1000
ABM4H-AT-L	M, I, S, LH, H	2.00 (50.8)	2.00 (50.8)	.25 (6.4)	Nylon	White	Indoors/ High Temp.	Acrylic 2.0 (907)	50	500	200	1000
ABM100-A-C	M, I, S	1.00 (25.4)	1.00 (25.4)	.24 (6.1)	Nylon	White	Indoors	Rubber .50 (227)	100	500	500	5000
ABM100-A-C14	M, I, S	1.00 (25.4)	1.00 (25.4)	.24 (6.1)	Nylon	Gray	Indoors	Rubber .50 (227)	100	500	500	5000
ABM100-A-C15	M, I, S	1.00 (25.4)	1.00 (25.4)	.24 (6.1)	Nylon	Ivory	Indoors	Rubber .50 (227)	100	500	500	5000
ABM100-AT-C0	M, I, S	1.00 (25.4)	1.00 (25.4)	.24 (6.1)	Nylon	Black	Outdoors/ High Temp.	Acrylic .50 (227)	100	500	500	5000

Most commonly used parts appear in **BOLD**.

4-Way Mounts Without Adhesive

Except ABM100-S6-C69

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
ABMM-D	M, I	.75 (19.1)	.75 (19.1)	.14 (3.6)	ABS	White	Indoors	User supplied adhesive	—	—	500	5000
ABM2S-S6-D	M, I, S	1.00 (25.4)	1.00 (25.4)	.16 (4.0)	ABS	White	Indoors	User supplied adhesive and/or (2) #S6 Screws	—	—	500	5000
ABM3H-S6-T	M, I, S, LH, H	1.50 (38.1)	1.50 (38.1)	.21 (5.3)	Nylon	White	Indoors		—	—	200	1000
ABM4H-S6-T	M, I, S, LH, H	2.00 (50.8)	2.00 (50.8)	.21 (5.3)	Nylon	White	Indoors		—	—	200	1000
ABM100-S6-C	M, I, S	1.00 (25.4)	1.00 (25.4)	.20 (5.1)	Nylon	White	Indoors	User supplied adhesive and/or (1) #S6 Screw	100	1000	500	5000
ABM100-S6-C69	M, I, S	1.00 (25.4)	1.00 (25.4)	.20 (5.1)	Flame Retard. Nylon	Cream	Indoors		100	1000	500	5000

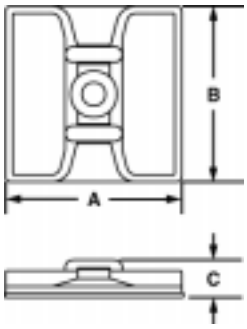
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***..
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

PANDUIT® Adhesive Backed Cable Tie Mounts

2-Way Mounts

Cable ties may be inserted from either of two sides. Choose adhesive backed or screw installed mounts.



Use one (1) #6 screw with ABMS-S6.

For added support with adhesive backed mounts, use one (1) #6 (M3) screw or 1/4" flat head rivets.

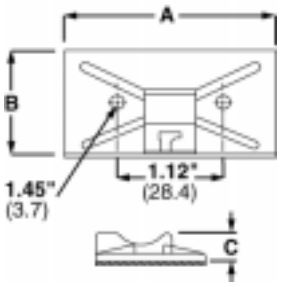
ABMS-A mounts are supplied two mounts to a dispenser strip.

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Adhesive-Backed												
ABMS-A-C	M, I, S	1.13 (28.7)	1.13 (28.7)	.25 (6.1)	Nylon	Natural	Indoors	Rubber Tape	100	500	500	5000
ABMS-AT-C	M, I, S	1.13 (28.7)	1.13 (28.7)	.25 (6.1)			Indoors/ high. Temp.	Acrylic Tape	100	500	500	5000
Screw Mounted								Screw Size				
ABMS-S6-D	M, I, S	1.13 (28.7)	1.13 (28.7)	.21 (5.3)	Nylon	Natural	Indoors	Screw Mount #6 (M3)	—	—	500	5000

Most commonly used parts appear in **BOLD**.

Snap-In Cable Tie Mount

Integral retaining notch holds cable tie head in place below bundle; eliminates protruding tie head and facilitates one hand tie threading.



SMS-A
Adhesive backed

SMS-S
Screw applied

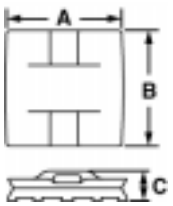
Part Number†	Used With Cable ‡Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
Adhesive Backed												
SMS-A-C	S	2.00 (50.8)	1.00 (25.4)	.35 (8.9)	ABS	White	Indoors	Rubber Based Foam Tape	100	500	500	5000
SMS-A-C14 **SMS-A-C15**	S	2.00 (50.8)	1.00 (25.4)	.35 (8.9)	ABS	Gray Ivory	Indoors		100	500	500	5000
Screw Mounted								Screw Size				
SMS-S6-D	S	2.00 (50.8)	1.00 (25.4)	.31 (7.9)	ABS	White	Indoors	(2) S6 (M3)	—	—	500	5000
SMS-S6-D15	S	2.00 (50.8)	1.00 (25.4)	.31 (7.9)	ABS	Ivory	Indoors		—	—	500	5000

‡ Recommended cable ties: PLT1S, PLT1.5S, PLT2S, PPRT1.5S, PRT2S.
Tie colors available to match SMS mounts.
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***..
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Epoxy Applied Mounts

These mounts are designed for application with ***PANDUIT*** EMA Epoxy. Provides fast, strong, economical method to secure wire or cable to steel, aluminum, glass, wood and most other surfaces. Especially well suited to construction and maintenance applications where they eliminate the need to drill into surfaces.

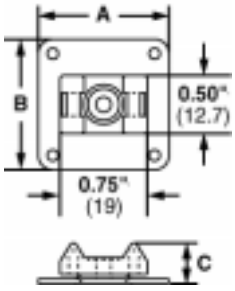


Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Where Used	Mounting Method	Max. Static Load lbs. (g)‡	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
EMS-A-C	M, I, S	1.00 (25.4)	1.00 (25.4)	.26 (6.6)	Natural Nylon	Indoors	EMA Epoxy	10 (4540)	100	500	500	1000
EMS-A-C0	M, I, S	1.00 (25.4)	1.00 (25.4)	.26 (6.6)	Weather Resistant Blk. Nylon	Outdoors		10 (4540)	100	500	500	5000

‡Max. static load rating, following full cure period, when applied with ***PANDUIT*** EMA Epoxy Adhesive according to installation instructions.

Epoxy Applied Swivel Mount

Mount swivels 360° to assure proper orientation with harness. Four inspection holes to check adhesive coverage.
Material — **Base and Rivet**: Aluminum;
Mount: Nylon



ASMS-A-X	M, I, S	1.125 (28.6)	1.125 (28.6)	.35 (8.9)	Aluminum Base	Indoors/ Outdoors	EMA Epoxy	10 (4540)	10	50	200	1000

Epoxy Adhesive and Mount Kits

EMSK3-1-X0 Epoxy Kit with mounts. Packed in sturdy foil pouch

EMA Epoxy supplied in convenient two-compartment mixer cup with a mixer stick for each cup. Each cup contains adhesive for three (3) EMA or ASMS mounts.

Epoxy hardens in about five (5) minutes. Supports about 5 lbs. after first 15 minutes. After full 24 hour curing time, bonding strength will exceed 50 lbs. on clean, grease-free surface.

EMA EPOXY

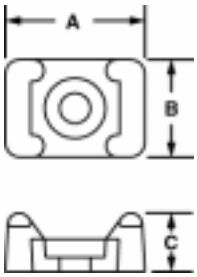
EMSK-12-4-12-X0 Epoxy Kit with mounts and cable ties

Part Number	Used With Cable Ties**	Where Used	Contents of Each Kit: Epoxy Cups	Mixer Sticks	EMS Mounts	Cable Ties	Std. Pkg. Qty.	Bulk Pkg. Qty.
Epoxy Adhesive only								
EMA-X	—	Indoor/ Outdoor	10	10	None	None	10 Kits	—
Epoxy Mounting Kit with EMA Mounts								
EMSK3-1-X0	M, I, S	Indoor/ Outdoor	1	1	3	None	10 Kits	100 Kits
Epoxy Mounting Kit with EMA Mounts and Cable Ties								
EMSK3-1-3-0	M, I, S	Indoor/ Outdoor	1	1	3	3 ea. PLT2S-0	1 Kit	10 Kits
EMSK12-4-12-X0	M, I, S		4	4	12	12 ea. PLT2S-0	10 Kits	100 Kits

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Tie Mounts — Mechanically Applied

Unique cradle design provides maximum stability and rigidity to the wire bundle. Screw or rivet installed.



Except
TM1S4-M69
TM2S8-C100
TM2S8-M120
TM3S8-C69
TM3S8-C100
TM3S8-C702

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TM1S4-C	M	.513 (13.0)	.316 (8.0)	.230 (5.8)	Nylon	Natural	Indoors	#4 (M2.5) Screw	100	500	1000	5000
TM1S6-C	M	.513 (13.0)	.316 (8.0)	.230 (5.8)			Indoors	#6 (M3) Screw	100	500	1000	5000
TM1S4-M30	M	.513 (13.0)	.316 (8.0)	.230 (5.8)	Heat Stabilized Nylon	Black	Indoors	#4 (M2.5) Screw	—	—	1000	—
TM1S4-M69	M	.513 (13.0)	.316 (8.0)	.230 (5.8)		Ivory	Indoors	#4 (M2.5) Screw	—	—	1000	—
TM2S6-C	M, I, S	.630 (16.0)	.425 (10.8)	.275 (7.0)	Nylon	Natural	Indoors	#6 (M3) Screw	100	500	1000	5000
TM2S8-C	M, I, S	.630 (16.0)	.425 (10.8)	.275 (7.0)			Indoors	#8 (M4) Screw	100	500	1000	5000
TM2R-C	M, I, S	.630 (16.0)	.425 (10.8)	.275 (7.0)			Indoors	#6 (M3) Rivet Countersunk	100	500	1000	5000
TM2R6-M0	M, I, S	.630 (16.0)	.425 (10.8)	.275 (7.0)	Weather-Resistant Nylon	Black	Outdoors	#6 (M3) Rivet Countersunk	—	—	1000	—
TM2S8-C100	M, I, S	.585 (14.9)	.375 (9.5)	.275 (7.0)	Weather Resistant Polypropylene	Black	Outdoors	#8 (M4) Screw	100	500	1000	5000
TM2S8-M120	M, I, S	.630 (16.0)	.425 (10.8)	.275 (7.0)	Nylon 12	Black	Outdoors	#8 (M4) Screw	—	—	1000	—
TM3S8-C	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)	Nylon	Natural	Indoors	#8 (M4) Screw	100	500	1000	5000
TM3S10-C	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)			Indoors	#10 (M5) Screw	100	500	1000	5000
TM3S25-C	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)			Indoors	1/4" (M6) Screw	100	500	1000	5000
TM3R6-C	M, I, S, LH	.875 (2.2)	.620 (15.8)	.375 (9.5)			Indoors	#6 (M3) Rivet Countersunk	100	500	1000	5000
TM3S8-C69	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)	Flame Retardant Nylon	Ivory	Indoors	#8 (M4) Screw	—	—	100	—
TM3S8-C76	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)	TEFZEL■	Aqua	Indoors	#8 (M4) Screw	—	—	100	—
TM3S10-C76	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)	TEFZEL	Aqua	Indoors	#10 (M5) Screw	—	—	100	—
TM3S8-C100	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)	Weather Resistant Polypropylene	Black	Outdoors	#8 (M4) Screw	100	500	1000	5000
TM3S8-C702	M, I, S, LH	.875 (22.2)	.620 (15.8)	.375 (9.5)	HALAR▲	Maroon	Indoors/ Outdoors	#8 (M4) Screw	—	—	100	—

Most commonly used parts appear in **BOLD**.

Hole Diameter — Inches (mm)		
Part Number	Hole Dia.	Counterbore Dia.
TM1S4	.120 (3.0)	.230 (5.8)
TM1S6	.150 (3.8)	.280 (7.1)
TM2S6	.150 (3.8)	.280 (7.1)
TM2S8	.180 (4.6)	.320 (8.1)
TM2R6	.190 (4.8)	Countersunk
TM3S8	.180 (4.6)	.320 (8.1)
TM3S10	.200 (5.1)	.390 (9.9)
TM3S25	.260 (6.6)	.510 (12.9)
TM3R6	.190 (4.8)	Countersunk

Additional Tie Mount Part Numbers Available in specified materials. All are available as standard *PANDUIT*® parts

Heat Stabilized Nylon	Flame Retardant Nylon	Weather-Resistant Nylon	Weather-Resistant Polypropylene	TEFZEL	Nylon 12
TM1S6-M30		**TM1S6-M0**			
TMSR6-M30		**TM2R6-M0**			
TM2S6-M30		**TM2S6-M0**			
TM2S8-M30	**TM1S6-M69**	**TM2S8-M0**			
TM3R6-M30	**TM2S6-M69**	**TM3R6-M0**			
TM3S8-M30	**TM2S8-M69**	**TM3S10-Q0**	**TM2S8-M100**		
TM3S10-M30	**TM3S8-C69**	**TM3S10-M0**	**TM3S8-C100**		
TM3S25-M30	**TM3S8-M69**	**TM3S25-M0**	**TM3S8-M100**	**TM3S10-C76**	**TM3S8-M120**

■TEFZEL is the Registered Trademark of E. I. Dupont Co., fluoropolymer ▲HALAR is the Registered Trademark for Ausimont, Inc. fluoropolymer

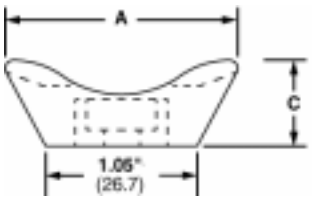
*Order the Number of Pieces Required in Multiples of Packaging Quantities.

†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see *Pages 128 & 129*..

**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Extra Heavy Tie Mounts

Mounts designed specially for use with ***PANDUIT*** Extra Heavy cross-section lashing ties for mounting cable, large wire bundles or tubular shapes.



Part Number	Hole Diameter	Counterbore Diameter
TMEHS8	.18" (4.3 mm)	.51" (13.0)
TMEHS10	.20" (5.1 mm)	.51" (13.0)
TMEH25	.26" (6.6 mm)	.51" (13.0)

Except
TMEH-S10-C100
TMEH-S10-C109

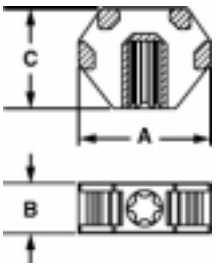
Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TMEH-S8-Q0	EH	1.65 (42)	.74 (19)	.61 (15)	Weather-Resistant Nylon	Black	Outdoors	#8 (M4) Screw	25	250	100	500
TMEH-S10-Q0	EH	1.65 (42)	.74 (19)	.61 (15)			Outdoors	#10 (M5) Screw	25	250	100	500
TMEH-S25-Q0	EH	1.65 (42)	.74 (19)	.61 (15)			Outdoors	1/4" (M6) Screw	25	250	100	500
TMEH-S10-C100	EH	1.65 (42)	.74 (19)	.61 (15)	Weather-Resistant Polypropylene	Black	Outdoors	#10 (M5) Screw	—	—	100	500
TMEH-S10-C109	EH	1.65 (42)	.74 (19)	.61 (15)	Polypropylene	Green	Indoors	#10 (M5) Screw	—	—	100	500

Most commonly used parts appear in **BOLD**.

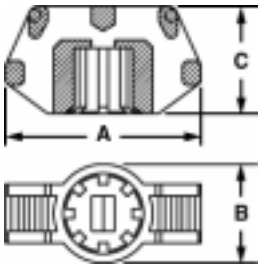
Stud Tie Mounts

Easily applied to bolts or studs with a light hammer blow or turning of the mount. The mounts are designed for use with cable ties to mount wire bundles, air, water and hydraulic lines.

TMSTLHS Type



TMSTHS Type



Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TMSTLHS6-C0	M, I, S, LH	1.25 (31.8)	0.48 (12.2)	0.95 (24.1)	Weather Resistant Nylon	Black	Outdoors	1/4" Stud Dia. (6M)	100	1000	1000	5000
TMSTLHS8-C0	M, I, S, LH	1.25 (31.8)	0.48 (12.2)	0.95 (24.1)				5/16" Stud Dia. (8M)	100	1000	1000	5000
TMSTHS13-C0	M, I, S, LH, H	1.99 (50.6)	1.01 (25.6)	1.10 (27.9)				1/2" Stud Dia. (13M)	100	1000	500	500
TMSTHS16-C0	M, I, S, LH, H	1.99 (50.6)	1.01 (25.6)	1.10 (27.9)				5/8" Stud Dia. (16M)	100	1000	500	500
TMSTHS19-C0	M, I, S, LH, H	1.99 (50.6)	1.01 (25.6)	1.10 (27.9)				3/4" Stud Dia. (19M)	100	1000	500	500

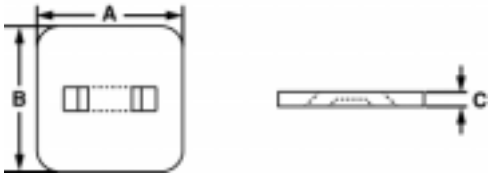
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy, H = Heavy and EH = Extra Heavy.

Tie Mounts — Applied with User Supplied Adhesives

Apply cyanoacrylic or another type adhesive to mount surface. Any adhesive selected should be user-tested to assure suitability for the actual application. Mounts should be installed on a clean, dry and grease-free surface. Bond strength depends on adhesive used.

Low Profile Mount - AM2

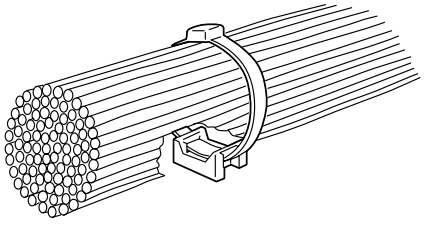
Low profile design keeps bundle close to mounting surface where overhead space is limited.

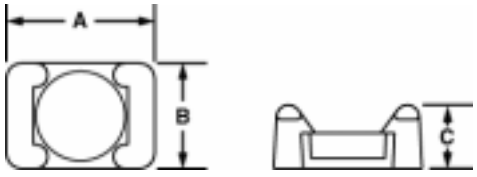


Part Number†	Used With Cable Ties**	Dimensions Inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
AM2-C	M, I, S	1.24 (31.5)	1.24 (31.5)	.125 (3.2)	Nylon	Natural	Indoors	Cyanoacrylic Adhesive	100	500	1000	—

TM1A, TM2A, TM3A

Solid flat bottom surface provides maximum holding area.





TM1A-C	M	.512 (13.0)	.325 (8.0)	.230 (5.8)	Nylon	Natural	Indoors	Cyanoacrylic Adhesive	100	500	1000	—
TM2A-C	M, I, S	.830 (16.0)	.425 (10.8)	.270 (6.9)			Indoors		100	500	1000	—
TM3A-C	M, I, S, H	.875 (22.2)	.625 (15.9)	.380 (9.7)			Indoors		100	500	1000	—

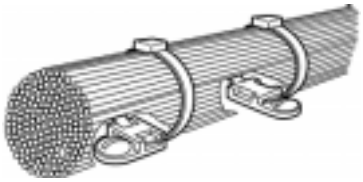
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see *Pages 128 & 129*..
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Tie Anchor Mounts

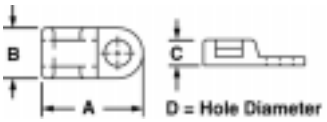
TA1 Anchor

Low profile and versatile, these screw-installed mounts can be ideal for applications where space is limited.

Designed for four-way cable tie insertion, this mount can be mounted in-line or perpendicular to the wire bundle.



Except TA1S8-M69



TA1S8 is also available in:
Heat-stabilized Nylon: TA18-M30
Flame-resistant Nylon: TA1S8-M69
Weather-resistant Nylon: TA1S8-M0
TA1S10 is also available in:
Weather-resistant Nylon: TA1S10-M0

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TA1S8-C	M, I, S	.75 (19.1)	.375 (9.5)	.195 (5.0)	.170 (4.3)	Nylon	Natural	Indoors	#8 (M4) Screw	100	500	1000	5000
TA1S10-C	M, I, S	.75 (19.1)	.375 (9.5)	.195 (5.0)	.200 (5.1)			Indoors	#10 (M5) Screw	100	500	1000	5000
TA1S8-M30	M, I, S	.75 (19.1)	.375 (9.5)	.195 (5.0)	.170 (4.3)	Heat Sta. Nylon	Black	Indoors	#8 (M4) Screw	—	—	1000	5000
TA1S8-M69	M, I, S	.75 (19.1)	.375 (9.5)	.195 (5.0)	.170 (4.3)	Flame Ret. Nylon	Ivory	Indoors	#8 (M4) Screw	—	—	1000	5000

Most commonly used parts appear in **BOLD**.

TA2 Anchor

This mount is installed perpendicular to the wire bundle. Elongated slot permits installing the screw and aligning mount with the bundle attached.

TA2-C	M, I, S	See Drawing	Nylon	Natural	Indoors	#10 (M5) Screw	100	500	1000	—

Low Profile Mounts

Screw Applied Low Profile Mounts

Designed to secure wire bundles where space is limited.

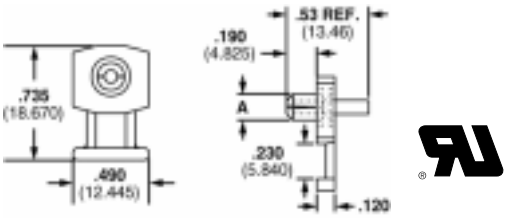
LPMM-S2-C	M	.40 (10.2)	.32 (8.1)	.10 (2.5)	.096[1] (2.4)	Nylon	Natural	Indoors	#2 (M2) Flat-head Screw	100	1000	1000	—
LPMM-S5-C	M	.40 (10.2)	.32 (8.1)	.10 (2.5)	.137[2] (3.5)			Indoors	#5 (M3) Flat-head Screw	100	1000	1000	—
LPMS-S8-C	M, I, S	.75 (19.1)	.50 (12.7)	.12 (3.0)	.180[2] (4.6)			Indoors	#8 (M4) Flat-head Screw	100	1000	1000	5000

[1] Combination Counter Bore & Counter Sunk Hole (.088" (2.2) Dia. Rivet can also be used) [2] Counter Sunk
Most commonly used parts appear in **BOLD**.

Knock-In Low Profile Mounts

Secures wires to any pre-drilled panel. Can be installed in any panel thickness. Eliminates screws.

Easy to Install
1. Push rivet in pre-drilled panel hole.
2. Use ***PANDUIT*** Rivet Installation Tool (TNR) or hammer to drive the pin flush to the base. This drives the rivet into the hole and secures the mount.
3. Attach wires to the mount with cable tie.

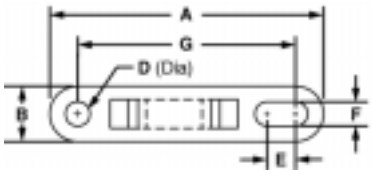


KIMS-H366-C2	M, I, S	.155 (3.9)	See Drawing	.144 (3.7)	Nylon	Red	Indoors	Integral Push Rivet	100	500	1000	—
KIMS-H430-C6	M, I, S	.180 (4.6)	See Drawing	.169 (4.3)	Nylon	Blue	Indoors	Integral Push Rivet	100	1000	1000	—
KIMS-H500-C4	M, I, S	.202 (5.1)	See Drawing	.196 (5.0)	Nylon	Yellow	Indoors	Integral Push Rivet	100	500	1000	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.
Most commonly used parts appear in **BOLD**.

Tie Plates

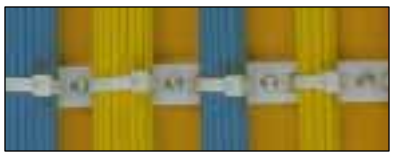
Screw applied. Each tie plate has a slotted mounting hole to accommodate various fastener spacings.

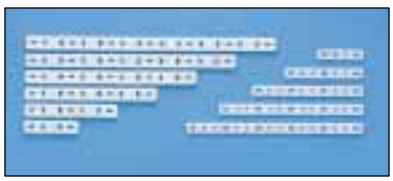


Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	E	F	G	Material & Color	Where Used	Mounting Method ‡ Screw Size	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TP2-C	M, I, S	1.98 (50.3)	.50 (12.7)	.125 (3.2)	.200 (5.1)	.40 (10.2)	.200 (5.1)	1.60 (40.6)	Natural Nylon	Indoors	#10 (M5)	100	1000	1000	—
TP4H-C	M, I, S, H	3.08 (78.2)	.62 (15.7)	.203 (5.2)	.270 (6.9)	.31 (7.9)	.270 (6.9)	2.50 (63.5)		Indoors	1/4" (M6)	100	1000	500	—

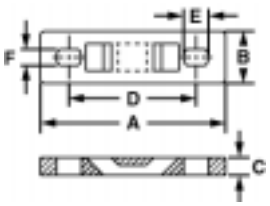
Most commonly used parts appear in **BOLD**.

Multiple Tie Plates





Screw applied. Used to secure closely spaced wire bundles.



Part Number†	No. of Bdls.	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	E	F	Material & Where Used	Mil. Std. Part No.	Mounting Method ‡ Screw Size	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
MTP1S-E6-C	1	M, I, S	1.75 (44.5)	.50 (12.7)	.125 (3.2)	1.25 (31.8)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)	Natural Nylon Used Indoors	MS3339-1 —	#6 (M3) #10 (M5)	—	—	100	1000
MTP1S-E10-C	1														
MTP1H-E6-C	1	M, I, S, H	2.09 (53.1)	.62 (15.7)	.203 (5.2)	1.50 (38.1)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-6 —	#6 (M3) #10 (M5)	—	—	100	—
MTP1H-E10-C	1														
MTP2S-E6-C	2	M, I, S	3.00 (76.2)	.50 (12.7)	.125 (3.2)	1.25 (31.8)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-2 —	#6 (M3) #10 (M5)	—	—	100	1000
MTP2S-E10-C	2														
MTP2H-E6-C	2	M, I, S, H	3.59 (91.2)	.62 (15.7)	.203 (5.2)	1.50 (38.1)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-7 —	#6 (M3) #10 (M5)	—	—	100	—
MTP2H-E10-C	2														
MTP3S-E6-C	3	M, I, S	4.25 (108.0)	.50 (12.7)	.125 (3.2)	1.25 (31.8)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-3 —	#6 (M3) #10 (M5)	—	—	100	—
MTP3S-E10-C	3														
MTP3H-E6-C	3	M, I, S, H	5.09 (129.3)	.62 (15.7)	.203 (5.2)	1.50 (38.1)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-8 —	#6 (M3) #10 (M5)	—	—	100	—
MTP3H-E10-C	3														
MTP4S-E6-C	4	M, I, S	5.50 (139.7)	.50 (12.7)	.125 (3.2)	1.25 (31.8)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-4 —	#6 (M3) #10 (M5)	—	—	100	—
MTP4S-E10-C	4														
MTP4H-E6-C	4	M, I, S, H	6.59 (167.4)	.62 (15.7)	.203 (5.2)	1.50 (38.1)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-9 —	#6 (M3) #10 (M5)	—	—	100	—
MTP4H-E10-C	4														
MTP5S-E6-C	5	M, I, S	6.75 (171.5)	.50 (12.7)	.125 (3.2)	1.25 (31.8)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-5 —	#6 (M3) #10 (M5)	—	—	100	—
MTP5S-E10-C	5														
MTP5H-E6-C	5	M, I, S, H	8.09 (205.5)	.62 (15.7)	.203 (5.2)	1.50 (38.1)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-10 —	#6 (M3) #10 (M5)	—	—	100	—
MTP5H-E10-C	5														
MTP6H-E6-C	6	M, I, S, H	9.59 (243.6)	.62 (15.7)	.203 (5.2)	1.50 (38.1)	.25 (6.4) .30 (7.6)	.145 (3.7) .200 (5.1)		MS3339-11 —	#6 (M3) #10 (M5)	—	—	100	—
MTP6H-E10-C	6														

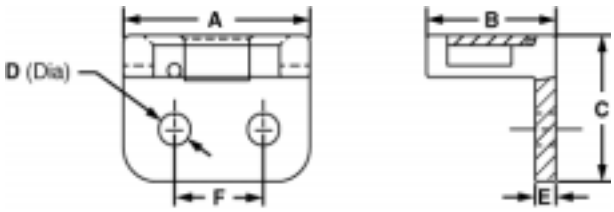
‡For use with most common screw types except flat head.

Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see *Pages 128 & 129*.
Part Number shown for MTP parts is Bulk Package Quantity.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Right Angle Mounts

Secure wire bundles that run through bulkheads or cabinet holes, holding them away from sharp edges, thus eliminating the need for grommet protection. Can also be used to mount wire bundles adjacent to any surface. Screw or rivet applied.

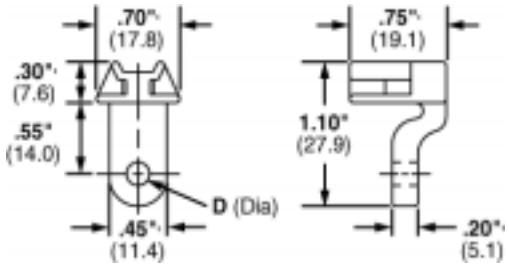


Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	E	F	Material & Where Used	Mil. Std. Part No.	Mounting Method Screw Size	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
RAMS-S3-M	M, I, S	.56 (14.2)	.39 (9.9)	.44 (11.2)	.095 (2.4)	.06 (1.5)	.281 (7.1)	Natural Nylon Used Indoors	MS3341-2	#3 Screw (M2.5) or 3/32" (2.4) Round Head Rivet	—	—	1000	—
RAMH-S6-D	M, I, S, H	1.00 (25.4)	.75 (19.1)	1.00 (25.4)	.125 (3.2)	.18 (4.6)	.500 (12.7)		MS3341-1	#6 Screw (M3) or 1/8" (3.2) Round Head Rivet	—	—	500	—
RAMH-S10-D	M, I, S, H	1.00 (25.4)	.75 (19.1)	1.00 (25.4)	.200 (5.1)	.18 (4.6)	.500 (12.7)		—	#10 Screw (M5) or 3/16" (4.7) Round Head Rivet	—	—	500	—

Most commonly used parts appear in **BOLD**.

Lightening Hole Mounts

Used to secure wire bundles which run through bulkhead lightening holes (.87" [22.1mm] dia. or larger) and keeps the bundles away from sharp edges. Only one screw, rivet, or self-tapping screw needed.



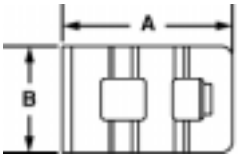
Part Number†	Used With Cable Ties**	Dimensions inches (mm)	D		Material & Where Used	Mil. Std. Part No.	Mounting Method Screw Size	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
LHMS-S5-D	M, I, S	See Drawing	.127 (3.2)	See Drawing	Natural Nylon Used Indoors	—	#5 Screw (M3) or 1/8" (3.2) or #6 (M3) Self-Tapping Screw	—	—	500	—
LHMS-S6-D	M, I, S		.145 (3.7)			MS3340-1	#6 Screw (M3) or 9/64" (3.5) Rivet or #8 (M4) Self-Tapping Screw	—	—	500	—
LHMS-S10-D	M, I, S		.192 (4.9)			—	#10 Screw (M5) or 3/16" (4.7) Rivet	—	—	500	—

Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***..
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Metal Clip-On Mount

The mount clips on sheet metal edges for fast mounting of harnesses with cable ties. Ties may be inserted from any of the four sides for easy harness orientation.



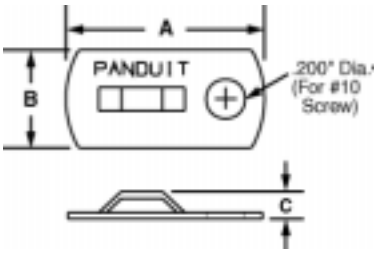
MCMS12-P-C
Panel Thickness inches (mm) .030 -.125 (.7 - 3.2)

MCMS25-P-C
Panel Thickness inches (mm) .125 - .270 (3.18 - 6.86)

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
MCMS12-P-C	M, I, S	.88 (22)	.56 (14)	.31 (8)	Zinc Plated Steel	—	Indoors or Outdoors	Clip-On	—	—	100	500
MCMS25-P-C	M, I, S	.88 (22)	.56 (14)	.46 (11.5)		—		Clip-On	—	—	100	500

Metal Mount

Screw applied aluminum mounting base for a secure support in demanding applications



- NOTE: Mount can also be installed with a user supplied adhesive.

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Where Used	Mounting Method	Max. Static Load lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
MBMS-S10-C	M, I, S	1.00 (25.4)	.50 (12.7)	.130 (3.3)	Aluminum (Chromate Coated)	Indoors or Outdoors	#10 (M5) Screw	10 (4540)	100	1000	1000	1000

MIL C. 5541 D Class 3 Coating
†Part Numbers listed for MCMS12-P are Bulk Package Quantity.
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
Part Numbers listed for MBMS-S10 is Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***..
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

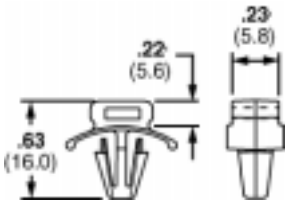
Push Mounts

Winged Push Mounts

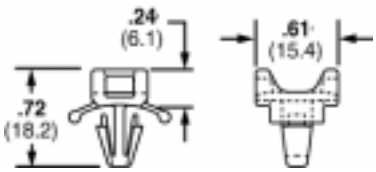
Push mounts require no adhesive backing or additional mounting hardware. They are inserted into pre-drilled holes.

The winged base applies pressure on the panel wall to provide a more secure mount in high vibration applications. Can be used where only one side of the panel is accessible.

PWMS-H25



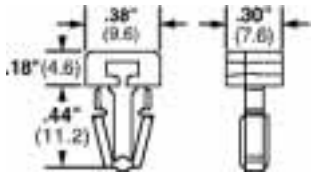
TM2PWH25



Part Number†	Used With Cable Ties**	Dimensions inches (mm)	Panel Dimensions		Material	Color	Where Used	Mounting Method	Packaging*			
			Thickness Max.	Hole Diameter					Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PWMS-H25-C	M, I, S	See Drawing	.105 (2.7)	.250 (6.4)	Nylon	Natural	Indoors	Inserted into pre-drilled hole	100	1000	1000	5000
PWMS-H25-M0	M, I, S				Weather-Resistant Nylon	Black	Outdoors		—	—	1000	—
TM2PWH25-C	M, I, S		.094 (2.3)	.250 (6.4)	Nylon	Natural	Indoors		100	500	1000	—

Push Mount

This part is a version of the mount shown above, but without the tensioning wings.

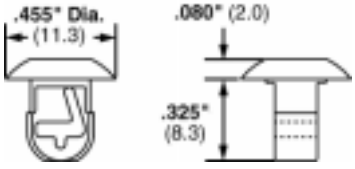


Part Number†	Used With Cable Ties**	Dimensions inches (mm)	Panel Dimensions		Material	Color	Where Used	Mounting Method	Packaging*			
			Thickness Max.	Hole Diameter					Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PM2H25-C	M, I, S	See Drawing	.125 (3.2)	.250 (6.4)	Nylon	Natural	Indoors	Inserted into pre-drilled hole	100	500	1000	5000
PM2H25-M0	M, I, S,		.125 (3.2)	.250 (6.4)	Weather-Resistant Nylon	Black	Outdoors		—	—	1000	5000
PM2H25-M30	M, I, S		.125 (3.2)	.250 (6.4)	Heat Stabilized Nylon	Black	Indoors		—	—	1000	5000

Most commonly used parts appear in **BOLD**.

Push Button Mount

- Designed for use where both sides of the panel are accessible.



Part Number†	Used With Cable Ties**	Dimensions inches (mm)	Panel Dimensions		Material	Color	Where Used	Mounting Method	Packaging*			
			Thickness Max.	Hole Diameter					Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PBMS-H25-C	M, I, S	See Drawing	.125 (3.2)	.25 (6.4)	Nylon	Natural	Indoors	Inserted into pre-drilled hole	100	500	1000	5000
PBMS-H25-C14					Nylon	Gray	Indoors		100	500	1000	—
PBMS-H25-M0					Weather-Resistant Nylon	Black	Outdoors		—	—	1000	—
PBMS-H25-M30					Heat Stabilized Nylon	Black	Indoors		—	—	1000	—

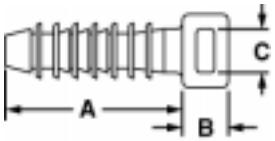
Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities. Part Number shown for PWMS-H25-C, TM2PWH25-C, PM2H25-C, PBMS-H25-C and PBMS-H25-C14 are for Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***. †Part Numbers listed for MCMS12-P are Bulk Package Quantity.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Masonry Push Mounts

Used to secure wire, cable or tubing to masonry surfaces. Installed quickly into pre-drilled holes. Design holds bundle securely.

MPMS19, MPMS25, MPMH38 & MPMWH32



1. Drill hole using correct size bit.

2. Hammer mount into hole.

3. Place cable tie through mount.

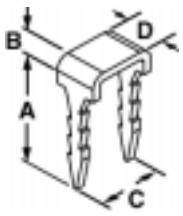
4. Install wires or cable.

Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Hole Dimensions Drill Depth	Hole Diameter	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
MPMS19-C0	M, I, S	.97 (24.6)	.25 (6.4)	.22 (5.6)	1.25 (31.8)	.188 (5)	Weather-Resistant Nylon	Black	Outdoors or Indoors	Inserted into Pre-Drilled Hole	100	500	1000	—
MPMS25-C0	M, I, S	.97 (24.6)	.25 (6.4)	.22 (5.6)	1.25 (31.8)	.25 (6)					100	500	1000	—
MPMH38-L0	M, I, S, LH, H	1.25 (31.8)	.30 (7.5)	.38 (9.6)	1.50 (38.1)	.375 (10)					50	500	500	—
MPMWH32-L0	M, I, S, LH, H	1.41 (35.8)	.28 (7.1)	.38 (9.6)	1.75 (44.5)	.313 (8)					50	500	500	—

Most commonly used parts appear in **BOLD**.

Wood Push Mount

Used to secure wire, cable, tubing to wood surfaces. Driven into wood with hammer, barbed design holds mount in place—rated for 60 lb. pullout.



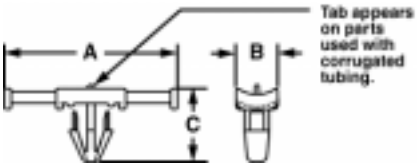
Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	Material	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
WPMH-C	M, I, S, LH, H	.75 (19.1)	.31 (7.9)	.50 (12.7)	.19 (4.8)	Plated steel	Outdoors or Indoors	Hammer into Wood	100	500	—	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

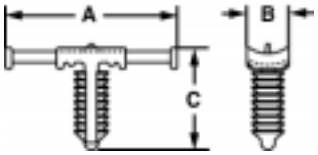
Tie Harness Mounts

Tie Harness Mounts are designed to be attached to the wire harness during assembly with 2 cable ties. Ties can be installed by hand or, more efficiently, with ***PANDUIT*** PAT Automatic Cable Tie Tooling. Use with Harness Board Standoff Posts and Tie Harness Mount Fixtures (***See Page 126***). Available with or without corrugated tubing location tab.

THMSP—Push Barb Style



THMSC—Tree Barb Style



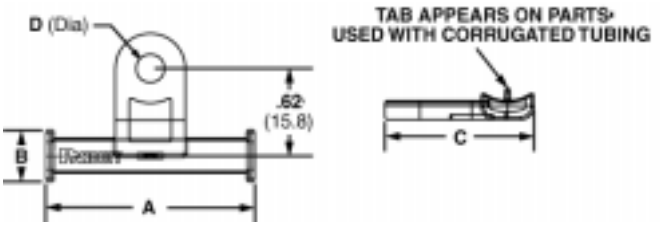
Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Panel Dimensions Thickness Max.	Hole Diameter	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
FOR CORRUGATED TUBING—A specially designed location tab on the mount shelf aligns with grooves in corrugated tubing ensuring proper mount location during assembly.														
THMSP20-C	M, I, S	1.54 (39.1)	.37 (9.5)	.47 (11.9)	.16 (4.1)	.244 - .283 (6.2 - 7.2)	Nylon	Natural	Indoors	Push Barb	100	1000	1000	5000
THMSP20-C30							Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000
THMSP25-C				.54 (13.7)	.23 (5.8)		Nylon	Natural	Indoors		100	1000	1000	5000
THMSP25-C30							Heat Stabil. Nylon	Black	Indoors/ High temp.		100	1000	1000	5000
THMSC35-C639				.46 (11.7)	.25 (6.4)	.244 - .268 (6.2 - 6.8)	Heat Stabilized Nylon	Natural	Indoors/ High Temp.	Tree Barb	100	1000	1000	5000
THMSC35-C630								Black			100	1000	1000	5000
THMSC60-C639				.72 (18.3)	.50 (12.7)			Natural			100	1000	1000	5000
THMSC60-C630								Black			100	1000	1000	5000
THMSC85-C639				.98 (24.9)	.75 (19.0)			Natural			100	1000	1000	5000
THMSC85-C630								Black			100	1000	1000	5000
FOR DISCRETE WIRING—There is no location tab for applications not requiring the use of corrugated tubing.														
THMSP20F-C	M, I, S	1.54 (39.1)	.37 (9.5)	.47 (11.9)	.16 (4.1)	.244 - .283 (6.2 - 7.2)	Nylon	Natural	Indoors	Push Barb	100	1000	1000	5000
THMSP20F-C30							Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000
THMSP25F-C				.54 (13.7)	.23 (5.8)		Nylon	Natural	Indoors		100	1000	1000	5000
THMSP25F-C30							Heat Stabil. Nylon	Black	Indoors/ High temp.		100	1000	1000	5000
THMSC35F-C639				.46 (11.7)	.25 (6.4)	.244 - .268 (6.2 - 6.8)	Heat Stabilized Nylon	Natural	Indoors/ High Temp.	Tree Barb	100	1000	1000	5000
THMSC35F-C630								Black			100	1000	1000	5000
THMSC60F-C639				.72 (18.3)	.50 (12.7)			Natural			100	1000	1000	5000
THMSC60F-C630								Black			100	1000	1000	5000
THMSC85F-C639				.98 (24.9)	.75 (19.0)			Natural			100	1000	1000	5000
THMSC85F-C630								Black			100	1000	1000	5000

-639 suffix denotes natural heat stabilized nylon
-630 suffix denotes black heat stabilized nylon.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Tie Harness Anchors

Tie Harness Anchors are designed to be attached to the wire harness during assembly with 2 cable ties. Ties can be installed by hand or more effectively with ***PANDUIT*** PAT Automatic Cable Tie Tooling. Available with and without corrugated tubing location tab.



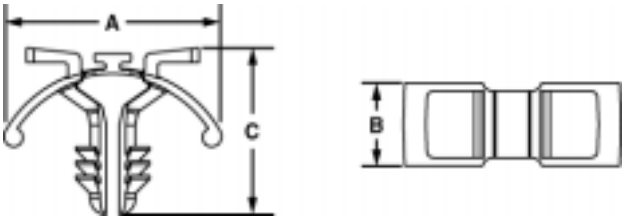
Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
FOR CORRUGATED TUBING—A specially designed location tab on the mount shelf aligns with grooves in corrugated tubing ensuring proper mount location.													
THASS8-C	M, I, S	1.49 (37.9)	.37 (9.5)	1.06 (26.9)	.180 (4.6)	Nylon	Natural	Indoors	#8 (M4) Screw	100	1000	1000	5000
THASS8-C30						Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000
THASS10-C					.205 (5.2)	Nylon	Natural	Indoors	#10 (M5) Screw	100	1000	1000	5000
THASS10-C30						Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000
THASS25-C					.265 (6.7)	Nylon	Natural	Indoors	1/4" (M6) Screw	100	1000	1000	5000
THASS25-C30						Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000
FOR DISCRETE WIRING—There is no location tab for applications not requiring use of corrugated tubing.													
THASS8F-C	M, I, S	1.49 (37.9)	.37 (9.5)	1.06 (26.9)	.180 (4.6)	Nylon	Natural	Indoors	#8 (M4) Screw	100	1000	1000	5000
THASS8F-C30						Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000
THASS10F-C					.205 (5.2)	Nylon	Natural	Indoors	#10 (M5) Screw	100	1000	1000	5000
THASS10F-C30						Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000
THASS25F-C					.265 (6.7)	Nylon	Natural	Indoors	1/4" (M6) Screw	100	1000	1000	5000
THASS25F-C30						Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

THM1SC
Tie Harness Mount for Single Tie

Unique Mount is Attached to Harness Automatically as Tie is Installed

- Secured with only 1 cable tie
- Used with the THMF base which opens and holds the mount (***See Page 126***)
- Cable ties can be installed by hand with ***PANDUIT*** Automatic Cable Tie Tooling Installation Systems (see pages ***Pages 46 to 49***) or pneumatic tool (***See Page 52***) or hand operated cable tie tools (***Pages 53 to 55***).
- Anti-rattle winged design
- Barb design is easy to insert into pre-drilled hole
- Strong. 50 lb. vertical extraction force from .250" hole
- Can be used with auto-fed or loose piece cable ties



Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Panel Dimensions Thickness Max.	Hole Diameter	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
THM1SC-C	M, I, S	.98 (24.8)	.38 (9.5)	.75 (19.1)	.187 (4.7)	.250 (6.5)	Nylon	Natural	Indoors	Push	100	1000	1000	5000
THM1SC-C30							Heat Stabil. Nylon	Black	Indoors/ High Temp.		100	1000	1000	5000

-30 after the pkg. code is for black, heat stabilized nylon 6.6 material for applications up to 221°F.

The Tie Harness Mount System:

1. Snap mount into fixture. Mounting ears open for cable tie installation.

2. Apply cable tie with automatic cable tie tool.

Or apply cable tie by hand and tension with pneumatic cable tie tool.

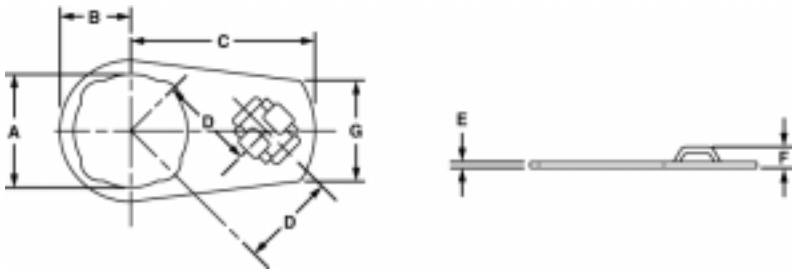
Or apply cable tie by hand and tension with hand-operated cable tie tool.

3. Pull harness from fixture. Mounting ears close, ready for installation.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 128 & 129***.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Control Panel Mount

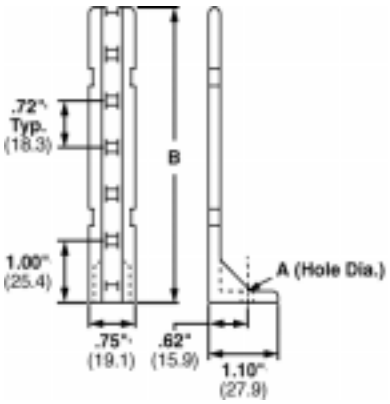
Installed when switch is installed to save labor. Ideal for high strain areas where cable is routed from panel to panel door. Compatible with most control panel switch designs.



Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	E	F	G	Material	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
CPM87S-C	M, I, S	.89 (22.6)	.57 (14.5)	1.44 (36.6)	.75 (19.1)	.048 (1.2)	.17 (4.3)	.76 (19.3)	Zinc Plated Steel	Control Panel Switch	—	—	100	1000
CPM122S-C	M, I, S	1.22 (31.0)	.75 (19.1)	2.07 (52.6)	1.12 (28.4)	.048 (1.2)	.17 (4.3)	.82 (20.8)			—	—	100	1000

Pan-Pole™ Standoff

Supports wire bundles above or away from surface.



NOTE: RAFCB Right Angle Flat Cable Base (shown on page 98) can also be used as a wire bundle standoff

Part Number†	Used With Cable Ties**	A	B	Dimensions inches (mm)	Material	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PP1S-S10-X	M, I, S	.200 (5.1)	2.00 (51)	See Drawing	Natural Nylon	#10 (M5) Screw	10	50	100	—
PP1S-S12-X	M, I, S	.228 (5.8)	2.00 (51)			#12 (M5.5) Screw	10	50	100	—
PP2S-S10-X	M, I, S	.200 (5.1)	4.62 (117.3)			#10 (M5) Screw	10	50	100	—
PP2S-S12-X	M, I, S	.228 (5.8)	4.62 (117.3)			#12 (M5.5) Screw	10	50	100	—

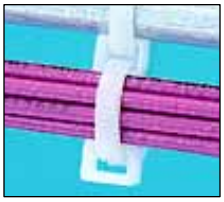
Most commonly used parts appear in **BOLD**.

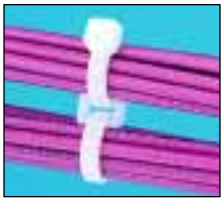
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see *Pages 128 & 129*.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

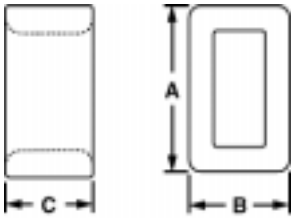
Connector Rings

Closed Connector Rings

Connect multiple wire bundles or hang bundles from conduit, eliminating the need for saddle clamps.





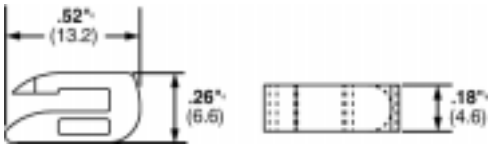


Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
CR2-M	M, I, S	.33 (8.4)	.24 (6.1)	.20 (5.1)	Nylon	Natural	Indoors	Cable Ties	—	—	1000	10000
CR4H-M	M, I, S, LH	.57 (14.5)	.36 (9.1)	.30 (7.6)			Indoors	Cable Ties	—	—	1000	10000

Most commonly used parts appear in **BOLD**.

Open Connector Ring

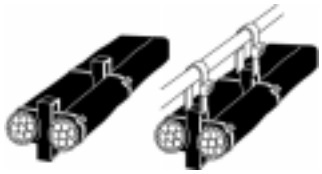
Designed to “add on” wire bundles without changing cable ties.

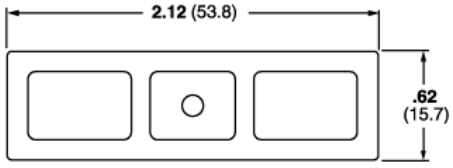


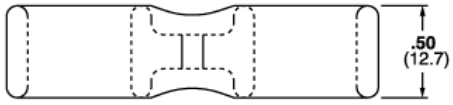
CROS-M	M, I, S	See Drawing	Nylon	Natural	Indoors	Connects to M, I, S Cable Ties	—	—	1000	—

Cable Spacers

Used to separate and/or hang wire cables, hydraulic hoses.



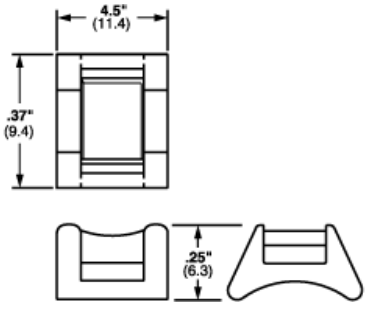




CSH-D20	M, I, S, LH, H	See Drawing	Nylon	Black	Indoors	Cable Ties	—	—	500	—
CSH-D0	M, I, S, LH, H	See Drawing	Weather Resist. Nylon	Black	Outdoors or Indoors	Cable Ties	—	—	500	—

Cable Spacer, Cross

Connects two bundles at 90°. Provides .19" (4.8mm) space between bundles. Dual cradle design. Recommended max. bundle diameter (each) is .625" (15.9).



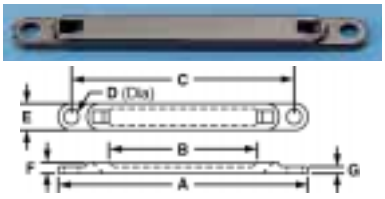
CSCS-M	M, I, S	See Drawing	Nylon	Natural	Indoors	Cable Ties	—	—	1000	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Bulk Package Quantity.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Flat Cable Mounting System

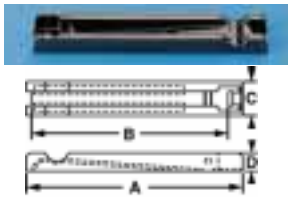
Secures stacked cables, folds and breakouts plus laminated and molded bus bars.

Base FCB



Mounting Application
Use one (1) base, one (1) corresponding size plate and one (1) intermediate cable tie.

Plate FCP



Bundling Application
Use two (2) plates (same size) and one (1) intermediate cable tie.

Part Number†	For Flat Cable Widths (Up to)	Dimensions—inches (mm) A	B	C	D	E	F	G	Material & Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
FCBI1-S10-C20	1.00 (25.4)	2.50 (63.5)	1.04 (26.4)	2.08 (52.8)	.200 (5.1)	.375 (9.5)	.150 (3.8)	.095 (2.4)	Black Nylon	Indoors	#10 (M5) Screw	100	—	1000	—
FCBI1-A-C20	1.00 (25.4)	2.50 (63.5)	1.04 (26.4)	none ^	none ^	.375 (9.5)	.150 (3.8)	.095 (2.4)			Adhesive•	100	—	1000	—
FCBI2-S10-C20	2.00 (50.8)	3.50 (88.9)	2.04 (51.8)	3.10 (78.7)	.200 (5.1)	.375 (9.5)	.150 (3.8)	.095 (2.4)			#10 (M5) Screw	100	—	1000	—
FCBI2-A-C20	2.00 (50.8)	3.50 (88.9)	2.04 (51.8)	none ^	none ^	.375 (9.5)	.150 (3.8)	.095 (2.4)			Adhesive• Screw	100	—	1000	—
FCBI3-S10-C20	3.00 (76.2)	4.52 (114.8)	3.04 (77.2)	4.12 (104.6)	.200 (5.1)	.375 (9.5)	.150 (3.8)	.095 (2.4)			#10 (M5) Screw	100	—	1000	—
FCBI3-A-C20	3.00 (76.2)	4.52 (114.8)	3.04 (77.2)	none ^	none ^	.375 (9.5)	.150 (3.8)	.095 (2.4)			Adhesive•	100	—	1000	—
FCPI1-C20	1.00 (25.4)	1.29 (32.8)	1.04 (26.4)	.375 (9.5)	.200 (5.1)	—	—	—	Black Nylon	Indoors	Cable Ties	100	—	1000	—
FCPI2-C20	2.00 (50.8)	2.31 (58.7)	2.04 (51.8)	.375 (9.5)	.200 (5.1)	—	—	—			Cable Ties	100	—	1000	—
FCPI3-C20	3.00 (76.2)	3.32 (84.3)	3.04 (77.2)	.375 (9.5)	.200 (5.1)	—	—	—			Cable Ties	100	—	1000	—

•Adhesive supplied by user. ^Adhesive applied bases are supplied without screw holes—dimensions not applicable.

Right Angle Base RAFCB

For perpendicular applications

RAFCBI1-S6-C20	1.00 (25.4)	1.75 (44.4)	See drawing	Black Nylon	Indoors	#6 (M3) Screw	100	500	1000	—
RAFCBI2-S6-C20	2.00 (50.8)	2.78 (70.6)					100	500	1000	—
RAFCBI3-S6-C20	3.00 (76.2)	3.81 (96.8)					100	500	1000	—

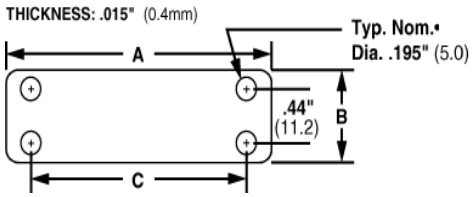
Selection Chart for *PANDUIT*® Flat Cable Mounting System and *PAN-TY*® Cable Ties

For Flat Cable Width (up to)	For Mounting, Use One (1) each of the Following and One (1) Cable Tie	For Bundling, Use Two (2) each of the Following and One (1) Cable Tie	Maximum Flat Cable Stack Height—Inches (mm) *PANDUIT*® *PAN-TY*® PLT1.5I Cable Tie	*PANDUIT*® *PAN-TY*® PLT2I Cable Tie	*PANDUIT*® *PAN-TY*® PLT3I Cable Tie	*PANDUIT*® *PAN-TY*® PLT4I Cable Tie
1" (25.4)	FCPI1 and FBCI1 (-S10 or -A) or RAFCBI1-S6	FCPI1	8 (21)	2.0 (51)	3.7 (94)	5.2 (133)
2" (50.8)	FCPI2 and FCBI2 (-S10 or -A) or RAFCBI2-S6	FCPI2	—	1.0 (25)	2.7 (69)	4.2 (107)
3" (76.2)	FCPI3 and FCBI3 (-S10 or -A) or RAFCBI3-S6	FCPI3	—	—	1.7 (44)	3.2 (82)

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see *Pages 128 & 129*.

Marker Plates

PANDUIT marker plates can be mounted in any direction, either vertically or horizontally as flags, tags, or wrap-around identification plates. They can be marked with nylon marking pens, hot stamped, or in a marking machine. See page 100 for marker pen information.

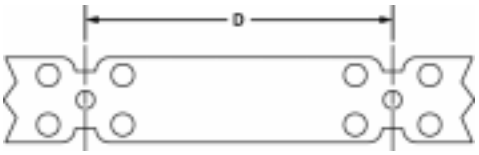


Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
MP150-C	M, I, S	1.50 (38.1)	.75 (19.1)	1.03 (26.2)	Nylon	White	Indoors	Cable Ties	100	500	1000	5000
MP175-C		1.75 (44.5)	.75 (19.1)	1.28 (32.5)					100	500	1000	5000
MP200-C		2.00 (50.8)	.75 (19.1)	1.53 (38.4)					100	500	1000	5000
MP250-C		2.50 (63.5)	.75 (19.1)	2.03 (51.6)					100	500	1000	5000
MP350-C		3.50 (88.9)	.75 (19.1)	3.03 (77.0)					100	500	1000	—
MP250W175-C		2.50 (63.5)	1.75 (44.5)	2.03 (51.6)					100	500	1000	—
MP150-C0	M, I, S	1.50 (38.1)	.75 (19.1)	1.03 (26.2)	Weather Resistant Nylon	Black	Outdoors	Weather Resistant Cable Ties	100	500	1000	—
MP175-C0		1.75 (44.5)	.75 (19.1)	1.28 (32.5)					100	500	1000	—
MP200-C0		2.00 (50.8)	.75 (19.1)	1.53 (38.4)					100	500	1000	—
MP250-C0		2.50 (63.5)	.75 (19.1)	2.03 (51.6)					100	500	1000	—
MP350-C0		3.50 (88.9)	.75 (19.1)	3.03 (77.0)					100	500	1000	—

Most commonly used parts appear in **BOLD**.

Marker Plates on Rolls

For use in automatic marking equipment. Packaged on spools



Part Number†	Used With Cable Ties**	Dimensions inches (mm) A	B	C	D	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
MP150-R	M, I, S	1.50 (38.1)	.75 (19.1)	1.03 (26.2)	1.69 (42.9)	Nylon	White	Indoors	Cable Ties	—	—	1000	—
MP175-R		1.75 (44.5)	.75 (19.1)	1.28 (32.5)	1.94 (49.3)					—	—	1000	—
MP200-R		2.00 (50.8)	.75 (19.1)	1.53 (38.9)	2.19 (55.6)					—	—	1000	—
MP250-R		2.50 (63.5)	.75 (19.1)	2.03 (51.6)	2.69 (68.3)					—	—	1000	—

Marker Plate Kits

Part Number†	Description	Std. Pkg. Qty.
MP150KIT-Q	Kit contains 25 MP150 marker plates, 1 PFX-0 marking pen	1
MP250KIT-Q	Kit contains 25 MP250 marker plates, 1 PFX-0 marking pen	1
MP350KIT-Q	Kit contains 25 MP350 marker plates, 1 PFX-0 marking pen	1

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity except Marker Plates on Rolls, which are Bulk Package Quantity.
**Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, LH = Light Heavy and H = Heavy.

Marking Pens

Provide fast drying, permanent, legible identification on nylon—where ordinary marking pens will not work.

PX-0
PX-2

PX-10

PFX-0
PFX-2

Part Number	Tip	Color	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
PX-0 **PX-2**	Regular Regular	Black Red	Color of ink is color of pen. Reversible tip to extend life of pen.	12 12	48 48
PX-10	Regular	White	For marking black or other dark-colored parts. Extra tip at end of pen also denotes color.	12	48
PFX-0 **PFX-2**	Fine Fine	Black Red	For detailed marking on nylon surfaces. Color of cap and end is color of ink.	12 12	48 48

TELCO Installation Products

Stackable Cable Spacer

Just one part to inventory. Each spacer snaps by hand into another—increases spacer height by 1/2" increments. Because there is only one part, on-site sorting is eliminated. Can be used with up to 3/4" width (B or C lashed cable supports) in parallel or perpendicular applications.

Used perpendicular to strand and cable

Used parallel to strand and cable

Underground application

Part Number†	Used With Cable Ties**	Dimensions inches (mm)	Material	Color	Where Used	Mounting Method	Packaging*			
							Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
SACS50-T100	See Footnote	2.08 x 1.16 (52.8 x 21.5)	Weather-Resistant Polypropylene	Black	Outdoors	Cable Ties	—	—	200	2000

Stackable Spacers may be installed using weather-resistant Lashing Ties (*See Page 14*), weather-resistant Heavy and Light Heavy Cable Ties (*See Page 14*), and Stainless Steel Ties (see page *See Page 73*).

Most commonly used parts appear in **BOLD**

Cable Hook Wedge

Easily installed. Part snaps into TELCO Cable Rack. Releasable (with pliers) and reusable.

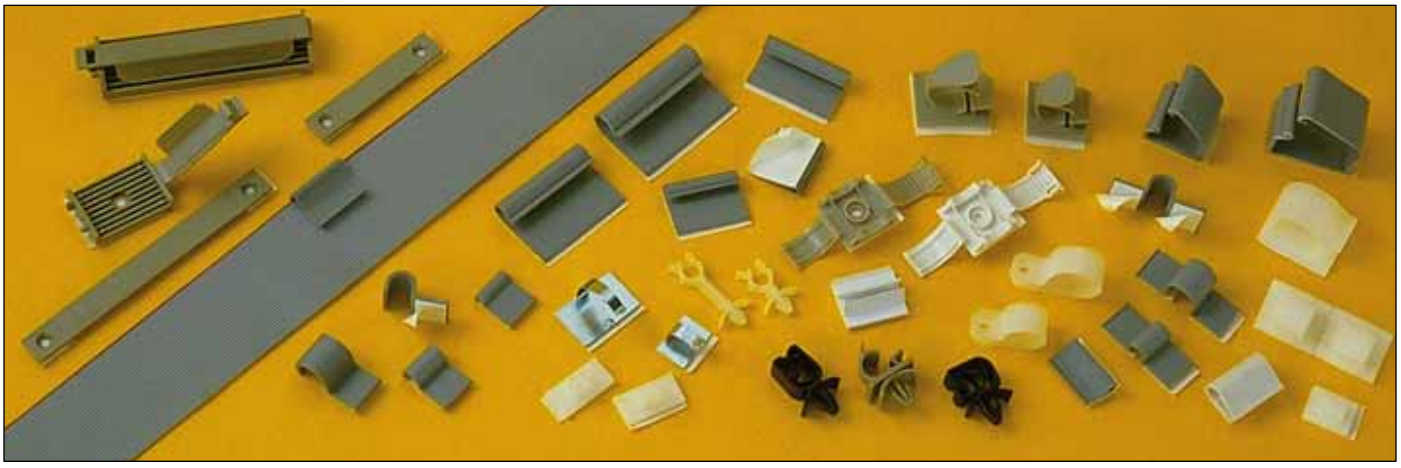
SNAPS INTO RACK OPENING

Rack Thickness: 3/16"

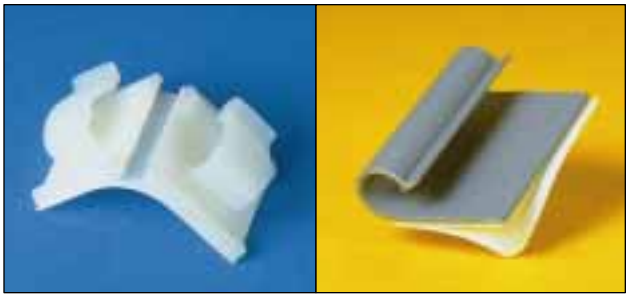
Part Number†	Dimensions Inches (mm)	Material	Color	Packaging*			
				Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
CHW-C20	See Drawing	Nylon	Black	—	—	100	500

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Bulk Package Quantity.

Wire/Cable Mounting Devices
(used without cable ties)



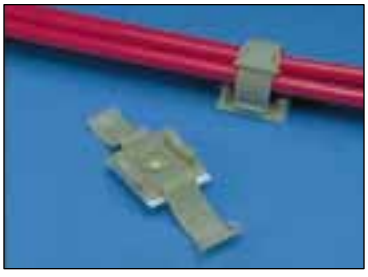
Adhesive Backed Mounting Devices



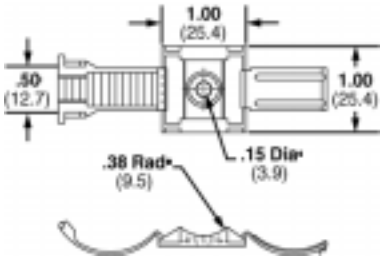
Faster Liner Removal Speeds Installation and Lowers Install Cost

- The adhesive backed mounts are offered either as one or two mounts per liner
- The two-up mounts are easily removed just by bending the mounts away from the liner
- The individual mounts have a handy tear tab for quick removal

CLINCHER™ Adjustable Releasable Clamp



This clamp provides a fast and convenient method of securing bundles from .19" (4.8mm) up to .69" (17.5mm) diameter. It is available with adhesive backing or screw applied with one #6 (M3) screw.



The ***CLINCHER*** clamp is fast and easy to use . . .

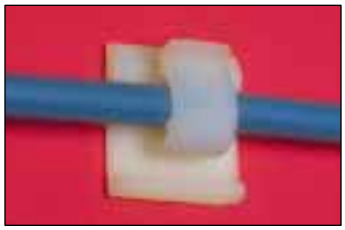
Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	B	C	D	Material	Color	Where Used	Mounting Method	Max. Static Load Lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
ARC.68-A-Q	.69 (17.5)	See drawing				Polypropy-lene	White	Indoors	Adhesive Backed	.50 (227)	25	250	100	1000
ARC.68-A-Q14							TELCO Gray				25	250	100	1000
ARC.68-S6-Q							White		#6 (M3) Panhead Screw	—	25	250	100	1000
ARC.68-S6-Q14							TELCO Gray			—	25	250	100	1000

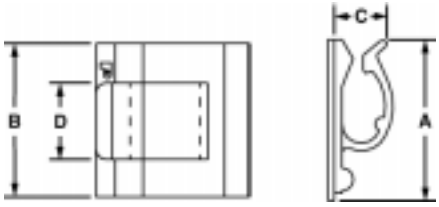
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Pages 127***.

Adhesive Backed Cord Clips

ACC Type

Three sizes of clips to hold cords, tubing, cable, or wire bundles up to .62" (15.7m) diameter. Bundles are easily snapped into or out of the clips.

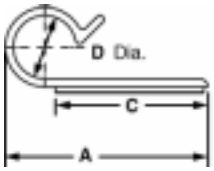


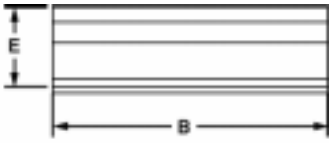


Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	B	C	D	Material	Color	Where Used	Mounting Method	Max. Static Load Lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
ACC19-A-C	.19 (4.8)	.62 (15.9)	.75 (19.0)	.29 (7.4)	.39 (9.9)	Nylon	Natural	Indoors	Adhesive Backed	.20 (91)	100	500	1000	5000
ACC19-AT-C						Nylon	Natural	Indoors/ High Temp.			100	500	1000	5000
ACC19-A-C20						Nylon	Black	Indoors			100	500	1000	5000
ACC19-AT-C0						Weather-resistant Nylon	Black	Outdoors/ High Temp.			100	500	1000	5000
ACC38-A-C	.38 (9.6)	1.00 (25.4)	1.00 (25.4)	.40 (10.2)	.50 (12.7)	Nylon	Natural	Indoors	Adhesive Backed	.50 (227)	100	500	1000	5000
ACC38-AT-C						Nylon	Natural	Indoors/ High Temp.			100	500	1000	—
ACC38-A-C20						Nylon	Black	Indoors			100	500	1000	—
ACC38-AT-C0						Weather-Resistant Nylon	Black	Outdoors/ High Temp.			100	500	1000	—
ACC62-A-C	.62 (15.7)	1.25 (31.7)	1.12 (28.6)	.63 (16.1)	.75 (19.0)	Nylon	Natural	Indoors	Adhesive Backed	.70 (318)	100	500	500	5000
ACC62-AT-C						Nylon	Natural	Indoors/ High Temp.			100	500	500	5000
ACC62-A-C20						Nylon	Black	Indoors			100	500	500	5000
ACC62-AT-C0						Weather-Resistant Nylon	Black	Outdoors/ High Temp.			100	500	500	5000

AJC Type

These low profile “J” clips retain cords, wires, or tubing and are available in five sizes. Their flexible design allows for easy cord insertion yet holds bundles tightly.





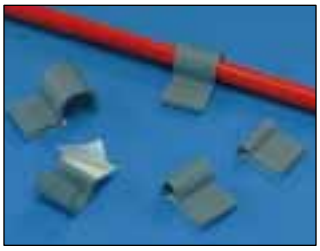
Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	B	C	D	E	Material & Color	Where Used	Mounting Method	Max. Static Load Lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
AJC12-A-C	.12 (3.0)	.86 (21.8)	1.00 (25.4)	.77 (19.6)	.13 (3.3)	.22 (5.6)	PVC Light Gray	Indoors	Adhesive Backed	.40 (182)	—	—	100	1000
AJC19-A-C	.19 (4.8)	.89 (22.6)	1.25 (31.8)	.77 (19.6)	.19 (4.8)	.30 (7.6)				.50 (227)	—	—	100	1000
AJC25-A-C	.25 (6.4)	.92 (23.4)	1.50 (38.1)	.77 (19.6)	.23 (5.8)	.34 (8.6)				.60 (272)	—	—	100	1000
AJC31-A-C	.31 (7.9)	1.23 (31.2)	1.75 (44.5)	1.03 (26.2)	.31 (7.9)	.44 (11.2)				.90 (408)	—	—	100	1000
AJC38-A-C	.38 (9.6)	1.28 (32.5)	2.00 (50.8)	1.03 (26.2)	.40 (10.2)	.53 (13.5)				1.0 (454)	—	—	100	1000

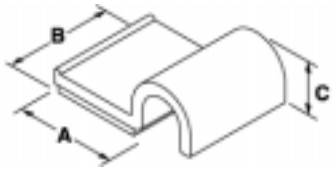
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.
†Part Numbers for AJC mounts are for Bulk Package Quantity.

PANDUIT® Adhesive Backed Mounting Devices

A1C Type

Holds cords, cables and tubing. Single adhesive pad for confined areas.

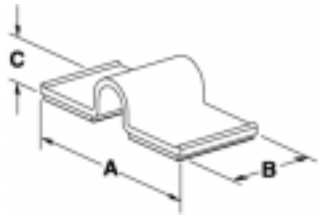




Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Max. Static Load Lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
A1C12-A-C8	.12 (3.0)	.77 (19.6)	.63 (16)	.23 (5.8)	PVC	Light Gray	Indoors	Adhesive Backed	.14 (64)	—	—	100	1000
A1C25-A-C8	.25 (6.4)	.91 (23.1)	.63 (16)	.38 (9.7)						—	—	100	1000
A1C38-A-C8	.38 (9.5)	1.04 (26.4)	.63 (16)	.51 (13)						—	—	100	1000
A1C50-A-C8	.50 (12.7)	1.17 (29.7)	.63 (16)	.64 (16.3)						—	—	100	1000

A2C Type

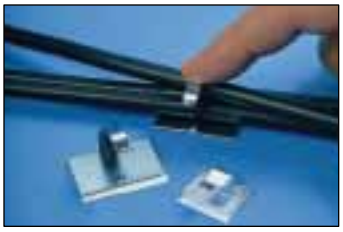
Holds cords, cables and tubing. Two adhesive pads for added strength.

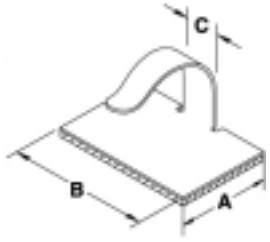


A2C12-A-C8	.12 (3.0)	1.30 (33)	.63 (16)	.23 (5.8)	PVC	Light Gray	Indoors	Adhesive Backed	.14 (64)	—	—	100	1000
A2C25-A-C8	.25 (6.4)	1.43 (36.3)	.63 (16)	.36 (9.1)						—	—	100	1000
A2C38-A-C8	.38 (9.5)	1.56 (39.6)	.63 (16)	.49 (12.4)						—	—	100	1000
A2C50-A-C8	.50 (12.7)	1.68 (42.7)	.63 (16)	.61 (15.5)						—	—	100	1000

MACC Type

Metal adhesive backed cord clip can be opened and closed, without damage to the clip, to remove or add wires quickly and easily.





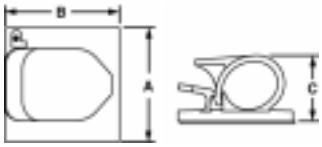
MACC25-A-C	.25 (6.4)	.53 (13.5)	.79 (20)	.28 (7.1)	Zinc Plated Steel	—	Indoors	Adhesive Backed	.21 (95)	100	1000	—	—
MACC62-A-C	.62 (15.7)	.75 (19.1)	1.18 (30)	.28 (7.1)					.44 (200)	100	1000	—	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed for MACC mounts are for Standard Materials in Standard Package Quantity.
†Part Numbers for A1C/A2C mounts are for Bulk Package Quantity.

PANDUIT® Adhesive Backed Mounting Devices

LWC Type

Holds wires, cable and tubing and is available in 6 sizes, with releasable latch. Adhesive backed and push mount styles available. Large mounting base for high bonding strength.



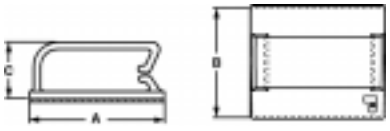
ADHESIVE VERSION

PUSHMOUNT VERSION

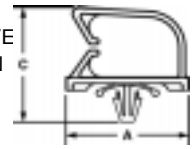
Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Max. Static Load Lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
LWC19-A-C	.19 (4.8)	.61 (15.5)	.85 (21.6)	.39 (9.9)	Nylon	Natural	Indoors	Adhesive Backed	.25 (113)	100	1000	500	5000
LWC19-A-C14						TELCO Gray				100	1000	500	5000
LWC19-A-C20						Black				100	1000	500	5000
LWC25-A-C	.25 (6.4)	1.0 (25.4)	.88 (22.2)	.45 (11.4)		Natural			.45 (204)	100	1000	500	5000
LWC25-A-C14						TELCO Gray				100	1000	500	5000
LWC25-A-C20						Black				100	1000	500	5000
LWC38-A-C	.37 (9.5)	1.0 (25.4)	1.0 (25.4)	.56 (14.2)		Natural			.50 (227)	100	1000	500	5000
LWC38-A-C14						TELCO Gray				100	1000	500	5000
LWC38-A-C20						Black				100	1000	500	5000
LWC50-A-L	.50 (12.7)	1.0 (25.4)	1.26 (32.0)	.67 (17.6)		Natural			.60 (272)	50	500	200	2000
LWC50-A-L14						TELCO Gray				50	500	200	2000
LWC50-A-L20						Black				50	500	200	2000
LWC75-A-L	.75 (19.1)	1.24 (31.5)	1.48 (37.6)	.90 (22.9)		Natural			.93 (417)	50	500	500	5000
LWC75-A-L14						TELCO Gray				50	500	500	5000
LWC75-A-L20						Black				50	500	500	5000
LWC100-A-L	1.0 (25.4)	1.97 (50.0)	2.21 (56.1)	1.26 (32.0)		Natural			2.25 (1020)	50	500	500	5000
LWC100-A-L14						TELCO Gray				50	500	500	5000
LWC100-A-L20						Black				50	500	500	5000
LWC19-H25-C	.19 (4.8)	.51 (12.8)	.85 (21.6)	.41 (10.4)	Nylon	Natural	Indoors	Pushed through .250" (6.4) dia. hole in panels up to .105" (2.6) thick	—	100	1000	500	5000
LWC19-H25-C14						TELCO Gray				100	1000	500	5000
LWC19-H25-C20						Black				100	1000	500	5000
LWC25-H25-C	.25 (6.4)	.58 (14.7)	.86 (21.8)	.47 (11.9)		Natural			—	100	1000	500	5000
LWC25-H25-C14						TELCO Gray				100	1000	500	5000
LWC25-H25-C20						Black				100	1000	500	5000
LWC38-H25-C	.38 (9.5)	.58 (14.7)	.94 (23.9)	.57 (14.5)		Natural			—	100	1000	500	5000
LWC38-H25-C14						TELCO Gray				100	1000	500	5000
LWC38-H25-C20						Black				100	1000	500	5000
LWC50-H25-L	.50 (12.7)	.76 (19.3)	1.25 (31.8)	.78 (19.8)		Natural			—	50	500	200	2000
LWC50-H25-L14						TELCO Gray				50	500	200	2000
LWC50-H25-L20						Black				50	500	200	2000
LWC75-H25-L	.75 (19.1)	.87 (22.1)	1.45 (36.8)	.97 (24.7)		Natural			—	50	500	500	5000
LWC75-H25-L14						TELCO Gray				50	500	500	5000
LWC75-H25-L20						Black				50	500	500	5000
LWC100-H25-L	1.0 (25.4)	1.0 (25.4)	1.9 (48.0)	1.30 (33.0)		Natural			—	50	500	500	5000
LWC100-H25-L14						TELCO Gray				50	500	500	5000
LWC100-H25-L20						Black				50	500	500	5000

BEC Type

Bevel Entry Clips are available in 3 sizes to hold tubing, cable or wire bundles. The beveled entry makes it easy to snap in the bundle. The clips are available in push barb or adhesive backed styles.



ADHESIVE VERSION



PUSHMOUNT VERSION

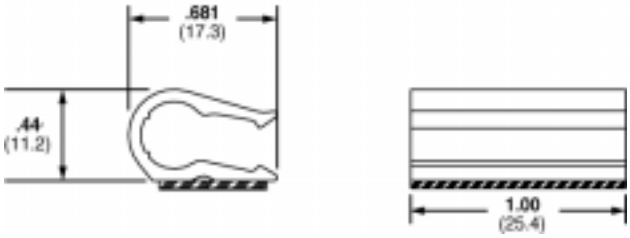
BEC38-A-L	.38 (9.5)	1.46 (37.1)	1.24 (31.5)	.52 (13.23)	Nylon	Natural	Indoors	Adhesive Backed	.91 (411)	50	500	200	1000
BEC38-A-L20					Nylon	Black	Indoors			50	500	200	1000
BEC38-AT-L0					Weather-Resist.Nylon	Black	Outdoors			50	500	200	1000
BEC62-A-L	.62 (15.7)	1.46 (37.1)	1.24 (31.5)	.79 (20.1)	Nylon	Natural	Indoors		.91 (411)	50	500	200	1000
BEC62-A-L20					Nylon	Black	Indoors			50	500	200	1000
BEC62-AT-L0					Weather-Resist. Nylon	Black	Outdoors			50	500	200	1000
BEC75-A-L	.75 (19)	1.46 (37.1)	1.49 (37.8)	.89 (22.6)	Nylon	Natural	Indoors		1.09 (493)	50	500	200	1000
BEC75-A-L20					Nylon	Black	Indoors			50	500	200	1000
BEC75-AT-L0					Weather-Resist. Nylon	Black	Outdoors			50	500	200	1000
BECP38H25-L	.38 (10)	1.46 (37.1)	.73 (18.5)	1.0 (25.4)	Nylon	Natural	Indoors	Pushed through .250" (6.4) dia. hole in panel up to .105" (2.7) thick	—	50	500	200	1000
BECP38H25-L20						Black			—	50	500	200	1000
BECP75H25-L	.75 (19)	1.47 (37.3)	.73 (18.5)	1.35 (34.3)		Natural			—	50	500	200	1000
BECP75H25-L20						Black			—	50	500	200	1000

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see ***Page 127***.

PANDUIT® Adhesive Backed Mounting Devices

ADCC Type

Holds two cables in high temperature applications both indoors and outdoors.



Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Max. Static Load Lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
ADCC31-AT-C10	2 bundles .24 -.33 (6 - 9)	See Drawing			NORYL‡	White	Indoors/ Outdoors	Adhesive Backed	.25 (113)	100	500	500	10000

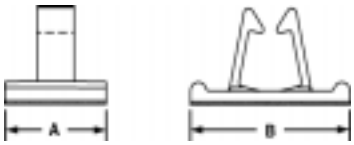
AMC Type

Holds a single cable and can be mounted on any flat smooth surface both indoors and outdoors.

AMC25-AT-C10	.22 - .28 (6 - 7)	See Drawing	PVC	White	Indoors/ Outdoors	Adhesive	.25 (113)	—	—	100	1000

VCC Type

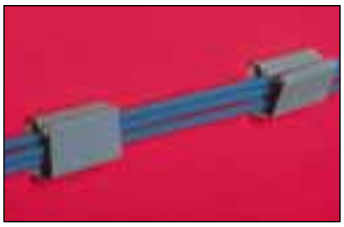
Funnel entry design of this vertical cord clip allows for easy insertion of wires, cables and cords. Top loading for fast production operations.

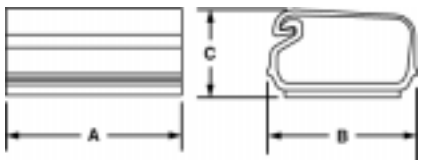


VCC25-A-C	.25 (6.4)	.50 (12.7)	1.00 (25.4)	Nylon	Natural	Indoors	Adhesive Backed	.25 (113)	100	500	1000	5000
VCC25-A-C0				Weather Resistant Nylon	Black	Indoors			100	500	1000	5000
VCC50-A-C	.50 (12.7)	1.00 (25.4)	1.56 (39.7)	Nylon	Natural	Indoors		.78 (339)	100	500	200	1000

Latching Clip

This versatile clip retains and supports wire for a variety of applications. Provides a quickly installed mount with a locked cover which withstands vibration yet allows easy access.





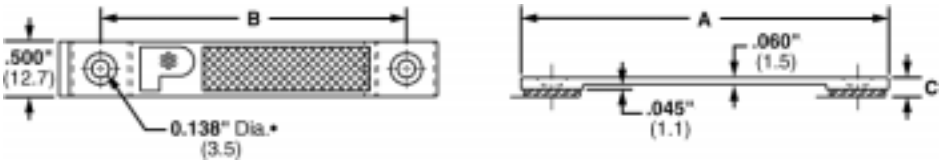
LC3-A-C8	.20 sq. in. 129 mm²	.75 (19)	.75 (19)	.46 (11.7)	PVC	Lt. Gray	Indoors	Adhesive Backed	.28 (127)	—	—	100	1000
LC5-A-C8	.36 sq. in 232 mm²	1.00 (25.4)	1.01 (25.7)	.53 (13.5)					.50 (227)	—	—	100	1000
LC10-A-L8	.93 sq. in. 600 mm²	1.00 (25.4)	1.51 (37.9)	.84 (21.3)					.60 (272)	—	—	50	500

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed for ADCC and VCC mounts are Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.
†Part Numbers for AMC and LC mounts are for Bulk Package Quantity.
‡NORYL Thermoplastic Resin is a Registered Trademark of General Electric Co.

Adhesive Backed Flat Cable Mounts

LPFCM Type - Low Profile

This low profile mount is available in 3 sizes and provides cost effective cable containment and identification for stack heights up to .105". It features a matte, textured surface for either hand written identification or application of computer labels.



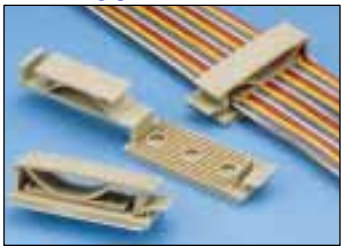
Part Number†	Cable Width In. (mm)	Dimensions inches (mm) A	B	C	D	Material	Color	Where Used	Mounting Method	Max. Static Load Lbs. (g)	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
LPFCM14-A-C14	1.44 (37)	2.56 (65)	2.0 (50)	.165 (4.2)	2.0 (50)	Nylon	TELCO Gray	Indoors	Adhesive Backed or Screw Applied #6 (M3)	.25 (113)	100	500	500	—
LPFCM22-A-C14	2.19 (56)	3.31 (84)	2.75 (69.9)	.165 (4.2)	2.75 (69.9)						100	500	500	—
LPFCM34-A-C14	3.44 (87)	4.56 (115.8)	4.0 (101.6)	.165 (4.2)	4.0 (101.6)						100	500	500	—

FCM Type

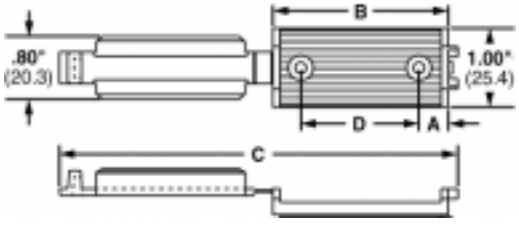
The drawing applies to all mounts except FCM1 and FCM1.2 which have a ***single mounting hole*** with the "A" shown in the chart being C_L. (And no "D" dimension)

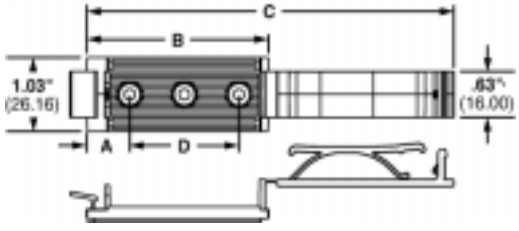
Four sizes, each with a stack height of .17" (4.3mm), to accommodate different flat cable widths. All sizes are available with adhesive backing or can be screw applied.

FCH Type



The FCH part is designed for flat cable up to a stack height of .25" (6.3mm), discrete wire and Data Comm cables. It is available with adhesive backing or can be screw applied.

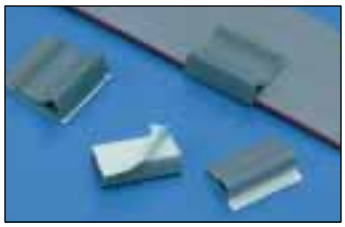


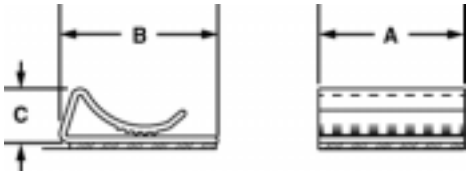


FCM1-A-C14 **FCM1-S6-C14**	1.0 (25.4)	.61 (15.5)	1.21 (30.7)	2.90 (73.7)	— —	Nylon	TELCO Gray	Indoors	Adh. backed #6 (M3) screw	.50 (227)	100 100	500 500	200 200	1000 1000
FCM1.2-A-C14 **FCM1.2-S6-C14**	1.2 (30.5)	.69 (17.5)	1.37 (34.8)	3.16 (80.3)	— —				Adh. backed #6 (M3) screw	.62 (281)	100 100	500 500	200 200	1000 1000
FCM2-A-C14 **FCM2-S6-C14**	2.0 (50.8)	.37 (9.4)	2.22 (56.3)	5.06 (128.5)	1.50 (38.1)				Adh. backed #6 (M3) screw	1.00 (454)	100 100	500 500	200 200	1000 1000
FCM3.25-A-L14 **FCM3.25-S6-L14**	3.25 (82.6)	.94 (23.9)	3.38 (85.9)	7.30 (185.4)	1.50 (38.1)				Adh. backed #6 (M3) screw	1.50 (681)	50 50	500 500	200 200	1000 1000
FCH2-A-C14 **FCH2-S6-C14**	2.00 (50.8)	.59 (14.9)	2.5 (63.5)	5.04 (128.1)	1.50 (38.1)				Adh. backed #6 (m3) screw	1.00 (454)	100 100	500 500	200 200	1000 1000

FCC Type

Used with any width flat cable for a maximum stack height of .17" (4.3mm).





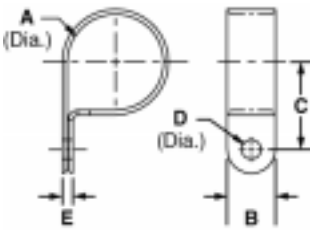
FCC5-A-C8	Any width flat cable	1.00 (25.4)	.56 (14.1)	.28 (7.1)	—	PVC	Gray	Indoors	Adhesive Backed	.25 (113)	100	1000	500	5000
FCC-A-C8		1.00 (25.4)	1.09 (27.7)	.38 (9.7)	—					.50 (227)	100	1000	500	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.

Fixed Diameter Cable Clamps

Durable nylon cable clamps are available in two widths: 3/8" wide for standard use and 1/2" wide for heavy duty use. The bundle diameter (A) of the clamps is marked in each clamp.

NOTE: All parts listed also available in black weather resistant material (-0). Bulk package only.



Part Number†	Type of Application	Dimensions inches (mm) A	B	C	D	E	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
CCS12-S8-C	Standard	.125 (3.1)	.375 (9.5)	.330 (8.4)	.167 (4.2)	.105 (2.7)	Nylon	White	Indoors	#8 (M4) screw #10 (M5) screw on CCS25-S10	100	500	1000	—
CCS19-S8-C		.187 (4.8)	.375 (9.5)	.430 (10.9)	.167 (4.2)						100	500	1000	—
CCS25-S8-C		.250 (6.4)	.375 (9.5)	.410 (10.4)	.167 (4.2)						100	500	1000	5000
CCS25-S10-C		.250 (6.4)	.375 (9.5)	.410 (10.4)	.203 (5.2)						100	500	1000	—
CCS31-S8-C		.312 (7.9)	.375 (9.5)	.490 (12.4)	.167 (4.2)						100	500	1000	5000
CCS38-S8-C		.375 (9.5)	.375 (9.5)	.570 (14.5)	.167 (4.2)						100	500	1000	—
CCS44-S8-C		.437 (11.1)	.375 (9.5)	.590 (15.0)	.167 (4.2)						100	500	1000	—
CCS50-S8-C		.500 (12.7)	.375 (9.5)	.600 (15.2)	.167 (4.2)						100	500	1000	—
CCH12-S10-C	Heavy Duty	.125 (3.1)	.500 (12.7)	.360 (9.1)	.203 (5.2)					#10 (M5) Screw	100	500	1000	—
CCH19-S10-C		.187 (4.8)	.500 (12.7)	.425 (10.8)							100	500	1000	—
CCH25-S10-C		.250 (6.4)	.500 (12.7)	.460 (11.7)							100	500	1000	5000
CCH31-S10-C		.312 (7.9)	.500 (12.7)	.500 (12.7)							100	500	1000	—
CCH38-S10-C		.375 (9.5)	.500 (12.7)	.530 (13.5)							100	500	1000	5000
CCH44-S10-C		.437 (11.1)	.500 (12.7)	.560 (14.2)							100	500	1000	—
CCH50-S10-C		.500 (12.7)	.500 (12.7)	.595 (15.1)							100	500	1000	5000
CCH56-S10-C		.563 (14.3)	.500 (12.7)	.625 (15.9)							100	500	1000	—
CCH62-S10-C		.625 (15.9)	.500 (12.7)	.660 (16.8)							100	500	1000	—
CCH69-S10-C		.687 (17.5)	.500 (12.7)	.755 (19.2)							100	500	500	—
CCH75-S10-C		.750 (19.1)	.500 (12.7)	.785 (19.9)							100	500	500	—
CCH81-S10-C		.812 (20.7)	.500 (12.7)	.815 (20.7)							100	500	500	—
CCH87-S10-C		.875 (22.2)	.500 (12.7)	.845 (21.5)							100	500	500	—
CCH100-S10-C		1.00 (25.4)	.500 (12.7)	.910 (23.1)		.125 (3.1)					100	500	500	—
CCH112-S10-C		1.125 (28.6)	.500 (12.7)	.970 (24.6)							—	—	100	—
CCH119-S10-C		1.187 (30.2)	.500 (12.7)	1.000 (25.4)							—	—	100	—
CCH125-S10-C		1.250 (31.8)	.500 (12.7)	1.060 (26.9)							—	—	100	—
CCH138-S10-C		1.375 (34.9)	.500 (12.7)	1.125 (28.6)							—	—	100	—
CCH150-S10-C		1.50 (38.1)	.500 (12.7)	1.190 (30.2)							—	—	100	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity (except CCH112 through CCH150). For Bulk Package Part Numbers, see ***Page 127***.

Fixed Diameter Cable Clamp Kit

KP-507 contains an assortment of fixed diameter clamps in a sturdy plastic kit box.

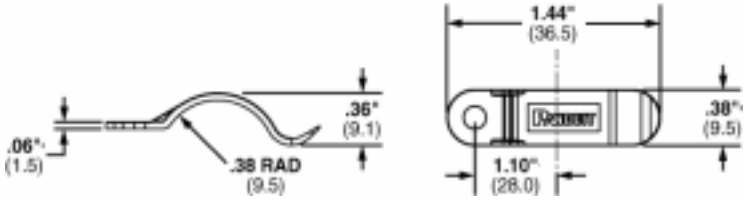
KP-507 Kit

Contains: (1) Plastic Kit Box and the following clamps:

(75) CCS12-S8	(25) CCS50-S8	(25) CCH44-S10	(10) CCH81-S10
(75) CCS10-S8	(70) CCH12-S10	(25) CCH50-S10	(10) CCH87-S10
(50) CCS25-S8	(50) CCH19-S10	(25) CCH56-S10	(5) CCH100-S10
(50) CCS31-S8	(45) CCH25-S10	(15) CCH62-S10	(5) CCH112-S10
(35) CCS38-S8	(35) CCH31-S10	(10) CCH69-S10	(5) CCH119-S10
(25) CCS44-S8	(25) CCH38-S10	(10) CCH75-S10	(5) CCH125-S10

Tension Wire Retainer

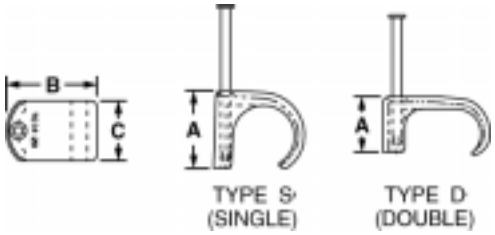
Wires are “slid” into the clip and held in place by tension. The clip may be used to mount flat items such as posters, mirrors, signs, etc.



Part Number†	Bundle Range Diameter	Dimensions inches (mm)	Material	Color	Where Used	Mounting Method	Packaging*			
							Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TWR-C	.38 (9.5)	See Drawing	Nylon	Natural	Indoors	#6 (M3) Screw or Rivet	100	1000	1000	—
TWR-C0			Weather Resistant Nylon	Black	Outdoors/ Indoors		100	1000	1000	—

Tack Clips

Used for installing wire, cable and tubing to nailable surfaces. The clips are furnished with a single integral zinc plated, hardened steel nail to help speed installation.

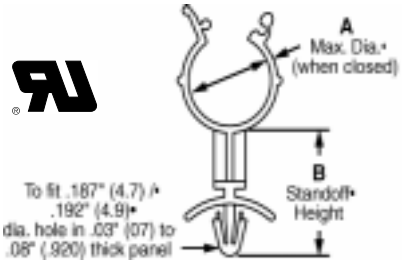


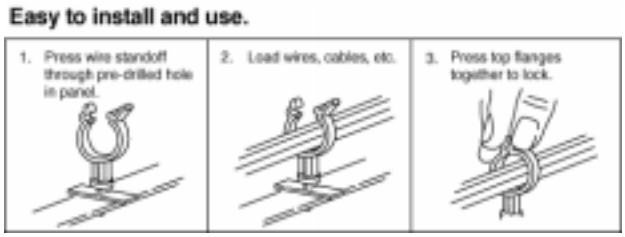
Part Number†	Type	Max. Bundle Dia. In. (mm)	Dimensions inches (mm)			Coaxial Cross RG#	Material	Color	Where Used	Mounting Method	Packaging*			
			A	B	C						Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TC3-5-C100	S	.13 (3.5)	.20 (5.1)	.29 (7.4)	.23 (5.8)	187	Weather Resistant Polypropylene	Black	Indoors/ Outdoors	Nail is hammered into a nailable surface such as wood or mortar joints. Do not use on concrete or brick.	—	—	100	1000
TC5-7-C100	S	.21 (5)	.31 (7.9)	.39 (9.9)	.23 (5.8)	58					—	—	100	1000
TC7-10-C100	S	.26 (6.5)	.38 (9.7)	.49 (12.5)	.35 (8.9)	59					—	—	100	1000
TC10-14-C100	S	.36 (9.2)	.51 (13)	.59 (14.9)	.45 (11.4)	6A					—	—	100	1000
TC14-20-C100	S	.49 (12)	.67 (17)	.79 (20.6)	.54 (13.7)	8A,9B,11					—	—	100	1000
TC5x8-C100	D	.20 x .30 (5 x 8)	.30 (8.8)	.54 (13.7)	.27 (6.8)	—					—	—	100	1000
TC6x10-C100	D	.23 x .37 (6 x 9.5)	.34 (8.6)	.62 (15.7)	.34 (8.6)	—					—	—	100	1000
TC7x14-C100	D	.26 x .46 (7 x 12)	.36 (9.1)	.70 (17.8)	.43 (10.9)	—					—	—	100	1000
TC9x18-C100	D	.38 x .65 (10 x 17)	.50 (12.7)	.89 (22.6)	.52 (13.2)	—					—	—	100	1000

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for TWR Retainers are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.
†Part Numbers for TC Tack Clips are for Bulk Package Quantity.

Wire Standoffs

For retaining wires, cable, components or tubing away from panel or conductive chassis. Finger grip flanges can be easily locked or unlocked for revisions. Hand installed in pre-drilled hole.



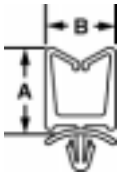


Part Number†	Dimensions inches (mm) A	B	Panel Dimensions Thickness Max.	Hole Diameter	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
WS25-25-C	.25 (6.4)	.25 (6.4)	.03 to .08 (0.7 to 2.0)	.187 to .192 (4.7 to 4.9)	Nylon	Natural	Indoors	Inserted into pre-drilled hole	100	1000	1000	—
WS25-50-C	.25 (6.4)	.50 (12.7)							100	1000	1000	—
WS25-75-C	.25 (6.4)	.75 (19.1)							100	1000	1000	—
WS35-25-C	.35 (8.9)	.25 (6.4)							100	1000	1000	—
WS35-50-C	.35 (8.9)	.50 (12.7)							100	1000	1000	—
WS35-75-C	.35 (8.9)	.75 (19.1)							100	1000	1000	—
WS50-25-C	.48 (12.2)	.25 (6.4)							100	1000	1000	—
WS50-50-C	.48 (12.2)	.48 (12.2)							100	1000	1000	—
WS50-75-C	.48 (12.2)	.75 (19.1)							100	1000	1000	—
WS75-25-C	.80 (20.3)	.25 (6.4)							100	1000	1000	—
WS75-50-C	.80 (20.3)	.50 (12.7)							100	1000	1000	—
WS75-75-C	.80 (20.3)	.75 (19.1)							100	1000	1000	—

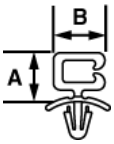
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.

Wire Saddles

Funnel entry design for fast insertion of wires and cables. Used in pre-drilled .187" holes in .03" to .08" thick panels.



VWS
Vertical

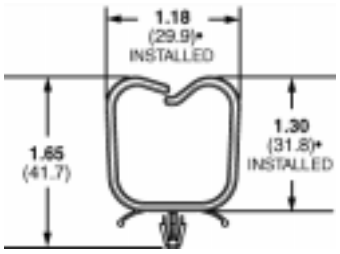


HWS
Horizontal

Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	Dimensions inches (mm) B	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Packaging* Std. Ctn. Qty.	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
VWS4218-C	.18 x .42 (5 x 11)	.58 (14.7)	.60 (15.2)	Nylon	Natural	Indoors	Pushed through .187" (4.7) dia. hole in panels up to .08" (2.0) thick.	100	500	1000	5000
VWS4238-C	.40 x .42 (10 x 11)	.78 (19.8)	.60 (15.2)					100	500	1000	5000
VWS4274-C	.74 x .42 (19 x 11)	1.14 (29)	.60 (15.2)					100	500	1000	5000
VWS42105-C	1.05 x .42 (27 x 11)	1.45 (36.8)	.60 (15.2)					100	500	1000	5000
HWS2819-C	.19 x .28 (5 x 7)	.42 (10.7)	.44 (11.2)					100	500	1000	5000

Optical Fiber Network Saddle

The product is designed with rounded edges for routing fiber optic cables. This feature provides a very smooth surface between the mount and the fiber optic cable, thereby eliminating the potential for snagging and stress on the fiber optic cable.

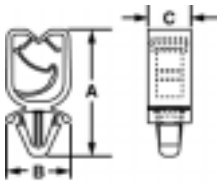


Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	Dimensions inches (mm) B	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Packaging* Std. Ctn. Qty.	Packaging* Bulk Pkg. Qty.	Packaging* Bulk Ctn. Qty.
VWS106-C	1.06 (26.9)	1.65 (41.7)	1.18 (29.9)	Nylon	Natural	Indoors	Pushed through .187 (4.7) dia. hole in panels up to .09" (2.2) thick.	100	500	1000	5000
VWS106-C20					Black			100	500	1000	5000

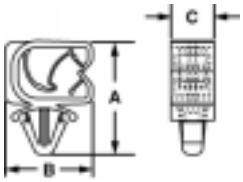
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.

Harness Clips

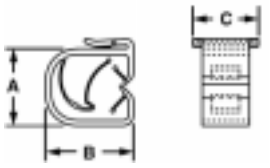
Integral “spring” holds wire bundles tightly. Used in pre-drilled .250" (6.4mm) diameter holes in panels up to .105" (2.7mm) thick. Vertical and horizontal versions available.



HCMP06B12 Vertical



HCMP06C12 Horizontal

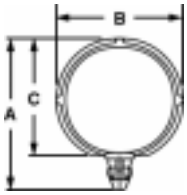


HCME06A12 Edge Mount

Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	B	C	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
HCMP06B12-C20	Range .24 - .47 (5.9 - 12.5)	1.25 (31.8)	.59 (15.0)	.39 (10)	Nylon	Black	Indoors	Pushed through .250 (6.4) dia. hole in panels up to .105" (2.7) thick.	100	500	1000	—
HCMP06C12-C20	.24 - .47 (5.9 - 12.5)	1.10 (27.9)	.80 (20.2)	.39 (10)					100	500	1000	—
HCME06A12-C130	.24 - .47 (5.9 - 12.5)	.59 (15)	.74 (18.7)	.55 (14)	Acetal			See Dwg.	100	500	5000	10000

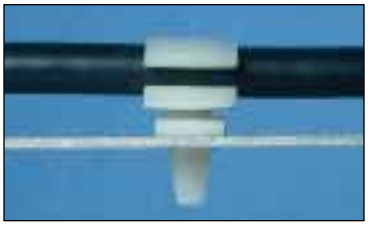
Snap-In Clips

The clips hold wire bundles securely and are placed on the bundle first, then attached to the panel. Designed for pre-drilled .250" holes in .03" to .10" thick panels.

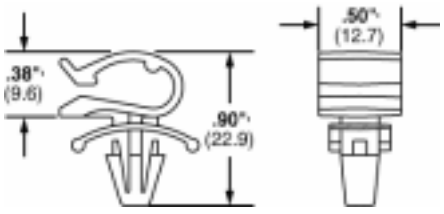


SICH25-C	.25 (6.4)	.82 (20.9)	.34 (8.6)	.40 (10.2)	Nylon	White	Indoors	Pushed through .250 (6.4) dia. hole in panels up to .105" (2.7) thick.	100	1000	1000	—
SICH38-C	.38 (9.6)	.98 (24.6)	.50 (12.8)	.54 (13.7)					100	1000	1000	—
SICH50-C	.50 (12.7)	1.11 (26.2)	.62 (15.7)	.67 (17.0)					100	1000	1000	—
SICH75-C	.75 (19)	1.40 (35.6)	1.0 (25.4)	.96 (24.4)					100	1000	1000	—
SICH100-C	1.0 (25.4)	1.65 (41.9)	1.25 (31.8)	1.21 (30.7)					100	1000	1000	—
SICH150-C	1.5 (38)	2.15 (54.6)	1.75 (44.5)	1.71 (43.4)					100	1000	1000	—

Push Mount Cord Clip



The mount snaps easily into pre-drilled hole in panels up to .105" (2.7mm) thick. Integral mounting device eliminates the need for additional mounting hardware. The winged design holds mount in place—even in applications where vibration is present.

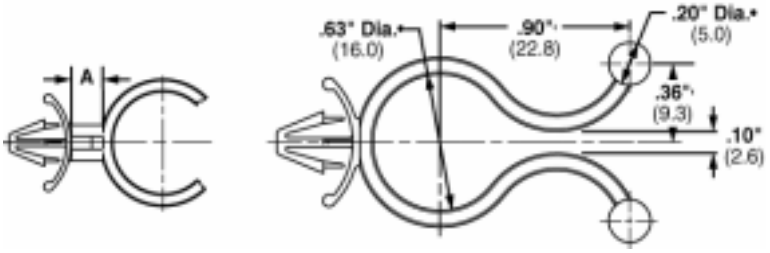


PMCC38H25-C	.38 (9.6)	See drawing		Nylon	Natural	Indoors	Pushed through .250 (6.4) dia. hole in panels up to .105" (2.7) thick.	100	1000	1000	—
PMCC38H25-M0				Weather Resistant Nylon	Black	Outdoors		—	—	1000	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.

Twister Push Mounts

The Twister Push Mounts securely bundle and route wires and cords. They lift wires off boards to avoid hot component contact. Wire bundles load and unload with just a fingertip twist.



Part Number†	Max. Bundle Dia. In. (mm)	Dimensions inches (mm) A	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
TPM-16-C	.63 (16.0)	0.00 (0.0)	Nylon	Natural	Indoors	For Circuit Boards or Chassis: .025" - .105" (0.64 - 2.67) thick in a .187" (4.7) dia. mounting hole	100	1000	1000	10000
TPM5-16-C	.63 (16.0)	.20 (5.0)					100	1000	1000	10000
TPM10-16-C	.63 (16.0)	.39 (10.0)					100	1000	1000	10000
TPM15-16-C	.63 (16.0)	.59 (15.0)					100	1000	1000	10000
TPM20-16-C	.63 (16.0)	.79 (20.0)					100	1000	1000	10000
TPM25-16-C	.63 (16.0)	.98 (25.0)					100	1000	1000	10000
TPM30-16-C	.63 (16.0)	1.18 (30.0)					100	1000	1000	10000

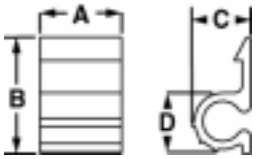
Siding Clips

Attaches coax cable to buildings having “Pittsburgh Interlok” type aluminum or steel siding. Will not corrode or stain siding. Low profile, installs without drilling or nailing.

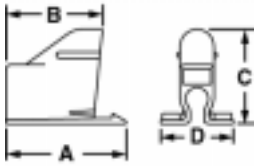
Horizontal Siding Clip

Vertical Siding Clip

HSC Horizontal Clip



VSC Vertical Clip

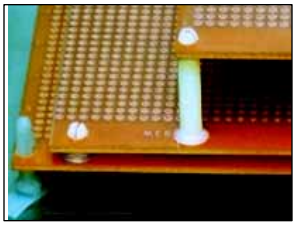


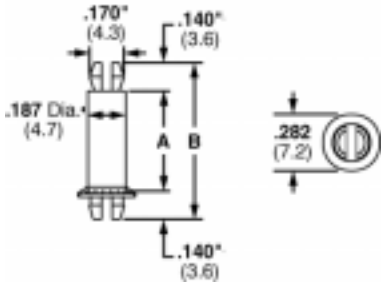
Part Number†	Max. Cable Width In. (mm)	Dimensions inches (mm) A	B	C	D	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
HSC-.25-L	.250 (6.4)	.50 (12.7)	.65 (16.5)	.34 (8.6)	.37 (9.4)	Nylon	White	Indoors	Attach to Siding	50	500	500	—
HSC-.25-L100						Weather Resistant Polypropylene	Black	Outdoors		50	500	500	—
VSC-.25-L	.250 (6.4)	1.20 (30.5)	.98 (25.0)	1.00 (25.4)	.70 (17.8)	Nylon	White	Indoors		50	500	500	—
VSC-.25-L100						Weather Resistant Polypropylene	Black	Outdoors		50	500	500	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see Page 127.

Circuit Board Posts

For board-to-board or board-to-chassis mounting. Posts snap into pre-drilled holes. Bell flange on bottom end provides greater stability. Releasable and reusable.

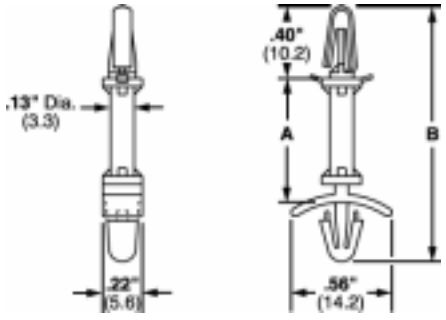




Part Number†	Dimensions inches (mm) A	B	C	D	E	Material	Color	Where Used	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
CBP12-C	.125 (3.2)	.405 (10.3)	See Drawing			Nylon	Natural	Indoors	For Circuit Boards or Chassis: .062" (1.5) thick with .156" (3.96) diameter mounting holes	100	1000	1000	—
CBP25-C	.250 (6.4)	.530 (13.5)								100	1000	1000	—
CBP31-C	.312 (7.9)	.592 (15.0)								100	1000	1000	—
CBP37-C	.375 (9.5)	.655 (16.6)								100	1000	1000	—
CBP50-C	.500 (12.7)	.780 (19.8)								100	1000	1000	—
CBP62-C	.625 (15.9)	.905 (23.0)								100	1000	1000	—
CBP75-C	.750 (19.1)	1.030 (26.2)								100	1000	1000	—
CBP87-C	.875 (22.2)	1.155 (29.3)								100	1000	1000	—
CBP100-C	1.00 (25.4)	1.280 (32.5)								100	1000	1000	—

Circuit Board Locking Supports

For board-to-chassis support. Snap-in design for fast assembly. Wing design on chassis mounting provides constant tension and stability. Releasable and reusable.



CBLS18-C	.187 (4.7)	.92 (23.4)	See Drawing	Nylon	Natural	Indoors	For Circuit Boards: .062" (1.5) thick with .156" (3.96) diameter mounting holes For Chassis: .03" (.76) to .08" (2.0) thick with .187" (4.75) to .192" (4.88) diameter mounting holes	100	500	1000	—
CBLS25-C	.250 (6.4)	.98 (24.9)						100	1000	1000	—
CBLS37-C	.375 (9.5)	1.11 (28.2)						100	1000	1000	5000
CBLS50-C	.500 (12.7)	1.23 (31.2)						100	1000	1000	5000
CBLS62-C	.625 (15.9)	1.35 (34.3)						100	1000	1000	—
CBLS75-C	.750 (19.1)	1.48 (37.5)						100	1000	1000	—

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity. For Bulk Package Part Numbers, see *Page 127*.

Physical Characteristics of Wiring Accessory Materials

Part Number System Example

TMEH — S10 — C — #

Part Description
T = Tie
M = Mount
EH = Extra Heavy
*(Cable Tie Cross Section)

*Cable Tie Cross Section:
SM = Sub-Miniature
M = Miniature
I = Intermediate
S = Standard
LH = Light Heavy
H = Heavy
EH = Extra Heavy

Mounting Method
S10= Screw Applied (#10 Screw)
A = Rubber Tape (most applications)
AT = Acrylic Tape (high temp. applications)
R = Rivet Applied

Package Size
X = 10
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

Color/Material
Blank=Natural
0 = Weather Resistant Black
8 = Gray
14 = Telco Gray
15 = Ivory
20 = Pigmented Black
30 = Heat Stabilized Nylon (Black)
69 = Flame Retardant Nylon (Ivory)
76 = TEFZEL■ (Blue)
100 = Polypropylene Weather Resistant (Black)
120 = Weather Res. Nylon 12 (Black)
630 = Heat Stabilized Nylon 6 (Black)
639 = Heat Stabilized Nylon 6 (Natural)
702 = HALAR▲ (Maroon)

NOTE: Metric equivalent to screw sizes shown throughout catalog.
#2 = M2 #6 = M3 #10 = M5
#4 = M2.5 #8 = M4 1/4" = M6
#5 = M3

Note: The colors and materials shown for parts in this section are standard on some items.
Consult factory for availability of other colors on special order basis.

Physical Properties and Color of Wiring Accessory Materials

Design Criteria	Nylon 6.6				
	Natural	Weather Res.	Pigmented Blk.	Heat Stabilized	Flame Retardant
Color	Natural	Black	Black	Black	Ivory
Part No. Suffix	None	0	20	30	69
UL Flammability	94V-2	94V-2	94V-2	94V-2	94V-0
Gamma Radiation Resistance	1×10^6 Rads	1×10^6 Rads	1×10^6 Rads	1×10^6 Rads	1×10^6 Rads
Water Absorption (24 hours)	1.2%	1.2%	1.2%	1.2%	1.2%
UV Resistance	Poor	Good	Fair	Good	Poor
Max. Continuous Use Temperature	185 °F (85 °C)	185 °F (85 °C)	185 °F (85 °C)	221 °F (104 °C)	203 °F (95 °C)
Min. Continuous Use Temperature	-40 °F (-40 °C)	-40 °F (-40 °C)	-40 °F (-40 °C)	-40 °F (-40 °C)	-40 °F (-40 °C)

Physical Properties and Color of Wiring Accessory Materials

Design Criteria	Nylon 6		Nylon 12	TEFZEL	Polypropylene Weather Res.	HALAR	ABS	PVC
	Heat Stabilized	Heat Stabilized						
Color	Black	Natural	Black	Blue	Black	Maroon	White	Lt. Gray
Part No. Suffix	630	639	120	76	100	702	None	None
UL Flammability	HB	HB	N/R	94V-0	Poor	94V-0	HB	94V-0
Gamma Radiation Resistance	N/A	N/A	3.5×10^6 Rads	2×10^6 Rads	1×10^6 Rads	2×10^6 Rads	N/A	N/A
Water Absorption (24 hours)	<0.4%	<0.4%	0.3%	<0.03%	0.1%	<0.03%	0.3%	0.25%
UV Resistance	Fair	Poor	Good	Excellent	Good	Excellent	Poor	Poor
Max. Continuous Use Temperature	250 °F (121 °C)	250 °F (121 °C)	176 °F (80 °C)	302 °F (150 °C)	185 °F (85 °C)	284 °F (140 °C)	185 °F (85 °C)	122 °F (50 °C)
Min. Continuous Use Temperature	-40 °F (-40 °C)	-40 °F (-40 °C)	-40 °F (-40 °C)	-50 °F (-46 °C)	-40 °F (-40 °C)	-50 °F (-46 °C)	-40 °F (-40 °C)	N/A

■TEFZEL is the Registered Trademark for E.I. DuPont Co. fluoropolymer.
▲HALAR is the Registered Trademark for Ausimont, Inc. fluoropolymer.

Selection and Use of PANDUIT® Adhesive Mounts

General Introduction

PANDUIT adhesive mounts provide a quick, economical and dependable method of supporting, routing and protecting wires or cables. Some are used with ***PANDUIT*** cable ties and others used independently. Adhesive backed mounts adhere to a variety of surfaces. This alternative to mechanical fasteners offers the advantage of lower installed cost with safe, easy to use, quality products.

Applications

- To route wires in control panels and switchboards
- To support bundles of wires away from moving mechanical devices
- Routing and harnessing cables, both indoors and out, to prevent safety hazards
- To organize flat cables in many locations with low profile construction
- Ideal for supporting wire bundles where holes cannot be put into the substrate
- To separate groups of wires for identification

Markets

- Original Equipment Manufacturers (OEM)
- Construction Industry
- Telecommunication Systems
- CATV
- Aerospace Industry
- Utilities
- Electronic Components
- Transportation Industry
- Appliance Manufacturers
- Maintenance and Repair Operations (MRO)

General Mount Guidelines

A. ***PANDUIT*** pressure sensitive adhesive (foam tape) mounts are intended to secure wire bundles or other light objects to smooth surfaces. These mounts are not designed to support excessive loads and should not be used when the maximum expected load exceeds the rated capacity of the mount.

Two types of double-coated polymeric foam adhesive tape are available. Rubber based type, the most widely used and generally recommended; and acrylic based type, the better choice for outdoor and higher temperature applications.

B. ***PANDUIT*** epoxy adhesive mounts are supplied for use on rough surfaces indoors or outdoors and require mixing a two-part Panduit-supplied epoxy adhesive before application.

Choosing the Right Adhesive

Panduit offers two standard pressure sensitive foam tapes which are available on most adhesive backed wiring accessories products. The general purpose tape is produced with a rubber based adhesive and can be identified by an “-A” in the part number. This tape develops its strength extremely fast and can be used in environments with temperatures ranging from -20°F to +120°F. The rubber based adhesive tape is the best choice for the vast majority of adhesive mount applications, including applications where powder coated surfaces are being used.

The second tape available is produced with an acrylic based adhesive (identified by an “-AT” in the part number). This tape is for use in environments where continuous exposure to temperatures as high as 180°F is possible. The acrylic based adhesive develops its maximum strength over a longer period of time than our rubber based adhesive. It is recommended that mounts produced with acrylic adhesive are allowed to dwell 8 hours after installation prior to loading. The acrylic based adhesive tape is a good choice in environments with prolonged exposure to UV rays or in environments with prolonged exposure to temperatures over 120°F.

Panduit also offers a two-part epoxy for use in applications where excessive loading is required or where the surface to which the mount must be applied is porous rather than smooth. This adhesive is formulated specifically for use on ***PANDUIT*** mounts and is packaged in pre-measured cups which insures proper ratios of resin and hardener are being mixed, as well as eliminates waste.

Selection and Use of Adhesive Mounts

Application Chart

Since Panduit manufactures adhesive backed mounts with a variety of adhesive types, this chart should be used as a guideline for choosing the best adhesive for often-encountered conditions. Each type of adhesive is rated good, fair or poor for some specific mounting surfaces and/or chemical environments.

Surfaces	Rubber Based Foam Tape Mounts	Acrylic Based Foam Tape Mounts	Epoxy Applied Adhesive Mounts
Plastics	Good	Good	Good
Wood	Good	Good	Good
Glass	Fair	Good	Good
Painted Surfaces	Good	Good	Fair
Powder Coating	Good	Fair	Good
Metal	Good[1]	Good[1]	Good
Paper	Good	Good	Fair
Concrete, Stone, Masonry	Not Recommended	Not Recommended	Good
Chemical Resistance			
Water	Good	Good	Poor
Oil	Poor	Fair[3]	Good
Gasoline	Poor	Fair[3]	Fair
Dilute Acids	Poor	Fair[3]	Fair
Dilute Alkalis	Good	Fair[3]	Fair
Organic Solvents	Poor	Fair[3]	Not Recommended
Outdoor Exposure	Not Recommended	Good	Good[2]

1. Not recommended for use on copper or brass.
2. Mounts manufactured from outdoor material only. For specific applications, individual testing prior to extensive use is suggested.
3. Depends on concentration, exposure time and chemical composition.

Mount Spacing

To determine the number of mounts to use in a given application, the following formula can be used as a guideline:

$$\frac{\text{Cable or weight (lbs./ft.)}}{\text{Static Load rating of Mount (lbs/mt.)}} = \text{Spacing} \quad \frac{\text{Mounts}}{\text{Ft.}}$$

See pages 118-120 for static load ratings of mounts. For specific applications we recommend individual testing prior to production use.

Surface Preparation

For best results, ***PANDUIT*** adhesive mounts should be applied to clean, dry, grease-free surfaces. It is recommended that for each individual application a solvent or cleanser be used to thoroughly prepare the surface for mount installation to obtain best results. The following are recommended guidelines:

1. For rubber and acrylic based foam tape adhesives, isopropyl alcohol may be used on most surfaces.
2. For epoxy type adhesives, especially masonry surfaces, be sure to clean all loose particles away before mount installation. Some surface abrasion is recommended to achieve maximum strength. A light rubbing with medium grit emery cloth or sandpaper is best. Wash after abrading.

Proper Installation Techniques

Pressure Sensitive Adhesive Mounts

For proper installation of adhesive mounts with foam tape, simply remove the release liner from foam adhesive and place the mount in the desired location. Apply firm pressure to the mount to insure proper adhesion. Avoid touching the adhesive prior to placing the mount on the surface.

Clean surface with a clean cloth and isopropyl alcohol.

Allow surface to air dry.

Remove the release liner, being careful not to touch the adhesive.

Apply full thumb pressure for at least 5 seconds.

Allow mount to properly dwell.

Epoxy Adhesive Mounts

PANDUIT EMA adhesive is a two-part epoxy cement which is packaged in convenient mixer cups containing an equal amount of resin and hardener. Peel the protective covering off and pop the center of the cup in to form a mixing bowl. Each cup is supplied with a mixer stick and contains enough epoxy to properly apply three EMS mounts. The resin and hardener should be thoroughly mixed together until the epoxy is a consistent and uniform color. The mixer stick can then be used to apply the adhesive to the mount. The epoxy should be forced into the grooves on the bottom of the mount to obtain optimum bond performance. The mount should be applied to the surface with light pressure and a back-and-forth twisting motion. Hardening of the epoxy begins five minutes after mixing at room temperature.

Proper Storage Conditions

All ***PANDUIT*** adhesive products have an expiration date printed on the package label. Use the following storage guidelines:

1. For rubber and acrylic based foam tape adhesives, store in temperatures of 70°F (21°C) and 45% Relative Humidity (R.H.)
2. For epoxy type adhesives, store in temperatures of 40°F (4°C) to 75°F (25°C) and relative humidity not in excess of 45%.

Storage in opened containers is not recommended. Using the guidelines above, the average shelf life of foam tape is 2 years. Shelf life of epoxy is 1 year. Deviation from the recommended storage conditions may reduce the shelf life or adhesive strength. In any case, adhesive products should never be stored near heating vents or other heat sources, and storage in lower temperatures than those recommended may increase the shelf life.

Stock Rotation

Adhesive mount inventory should be rotated in order to insure the quality of the adhesive foam tape. Each package of ***PANDUIT*** adhesive backed mounts has a Quality Control Number and a best-if-used-by date on the package label. The best-if-used-by date provides the customer with an accurate way to control the rotation of inventory, and, as is the case with all Panduit products, the Quality Control Number provides complete traceability for all components that go into a specific production run of product.

w!qclb

Mount Removal

There is no simple or easy method for removing ***PANDUIT*** adhesives. A thin wire or razor blade can be moved in between the surfaces when removing foam tape mounts; however, the adhesive residue will remain on the surface. Epoxy adhesives may be removed with a commercial paint stripping solution.

Product Information*

The descriptions below refer to the adhesive mount information which appears in the following product information chart:

Part Number: The package code suffix indicates quantity, color and mount material. Most ***PANDUIT*** Adhesive Backed Mounts are available in both standard and bulk packaging and some part numbers are available in smaller merchandising packaging. Consult your local distributor or call our factory for specifics on additional package sizes.

Dimension: Given are over-all mount with adhesive dimensions; L = Base Length, W = Base Width, H = Height.

Adhesive Type: Refer to the preceding pages for more details on adhesives offered by Panduit.

Cable Ties: ***PANDUIT*** mounts are designed to use ***PANDUIT*** Cable Ties.The respective size(s) of tie is given.

Maximum Static Load: Values are given for shear, and/or normal loading, and optimal adhesion between surfaces.

Normal Service Temperature Range: Given are the continuous use temperature ranges. In most situations, mounts can withstand higher temperatures for limited periods of time. Mounts should be user tested to determine their suitability in specific applications.

Minimum Installation Temperature: Although not shown on the following pages, both rubber based and acrylic based adhesives develop their optimum strength faster when installed in temperatures above 70°F (21°C).

Dwell Time: Values given are time to allow mount to set before loading. Dwell time is increased when the application temperature is below minimum. NOTE: Acrylic based adhesives need to dwell for 8 hours prior to loading.

Mount Material: Given for each type of mount. A variety of additional materials may be available on many of the mounts listed; contact the factory for additional information on non-standard materials.

Screw Hole Size: Values are specified when applicable.

U.L. Recognized: Tested and recognized under the Underwriter's Laboratories, Inc., component recognition program.

Selection and Use of Adhesive Mounts

Part Number	Overall Dimensions L" x W" x H" (mm)	Adhesive Type	Used with Cable Tie*	Maximum Static Load lb. (g)**	Normal Service Temp. °F (°C) Range	Recommended Installation Temp. °F (°C)	Dwell Time (Hrs.)	Mount Material	Screw Hole Size	U.L. Recognized
ABMM-A	.75 x .75 x .18 (19.1 x 19.1 x4.6)	Rubber Tape	M, I	.3 (136)	-20 to 120 (-29 to 49)	70 (21)	2	White ABS	—	Yes
ABMM-AT	.75 x .75 x .18 (19.1 x 19.1 x4.6)	Acrylic Tape	M, I	.3 (136)	-20 to 180 (-29 to 82)	70 (21)	8	White ABS	—	Yes
ABMS-A	1.13 x 1.13 x .25 (28.7 x 28.7 x 6.4)	Rubber Tape	M, I, S	.6 (272)	-20 to 120 (29 to 49)	70 (21)	2	Natural Nylon	1 @ #6 (M3)	Yes
ABMS-AT	1.13 x 1.13 x .25 (28.7 x 28.7 x 6.4)	Acrylic Tape	M, I, S	.6 (272)	-20 to 180 (-29 to 82)	70 (21)	8	Natural Nylon	1 @ #6 (M3)	Yes
ABM1M-A	0.5 x 0.5 x 0.16 (12.7 x 12.7 x 4.0)	Rubber Tape	M	.13 (59)	-20 to 120 (29 to 49)	70 (21)	2	White Nylon	—	Yes
ABM1M-AT	0.5 x 0.5 x 0.16 (12.7 x 12.7 x 4.0)	Acrylic Tape	M	.13 (59)	-20 to 180 (-29 to 82)	70 (21)	8	White Nylon	—	Yes
ABM2S-A	1.0 x 1.0 x .20 (25.4 x 25.4 x 5.2)	Rubber Tape	M, I, S	.5 (227)	-20 to 120 (29 to 49)	70 (21)	2	White ABS	2 @ #6 (M3)	Yes
ABM2S-AT	1.0 x 1.0 x .20 (25.4 x 25.4 x 5.2)	Acrylic Tape	M, I, S	.5 (227)	-20 to 180 (-29 to 82)	70 (21)	8	White ABS	2 @ #6 (M3)	Yes
ABM3H-A	1.5 x 1.5 x .25 (38.1 x 38.1 x 6.4)	Rubber Tape	M, I, S, LH, H	1.12 (508)	-20 to 120 (29 to 49)	70 (21)	2	White Nylon	2 @ #6 (M3)	Yes
ABM3H-AT	1.5 x 1.5 x .25 (38.1 x 38.1 x 6.4)	Acrylic Tape	M, I, S, LH, H	1.12 (508)	-20 to 180 (-29 to 82)	70 (21)	8	White Nylon	2 @ #6 (M3)	Yes
ABM4H-A	2.0 x 2.0 x .25 (38.1 x 38.1 x 6.4)	Rubber Tape	M, I, S, LH, H	2 (907)	-20 to 120 (29 to 49)	70 (21)	2	White Nylon	2 @ #6 (M3)	Yes
ABM4H-AT	2.0 x 2.0 x .25 (38.1 x 38.1 x 6.4)	Acrylic Tape	M, I, S, LH, H	2 (907)	-20 to 180 (-29 to 82)	70 (21)	8	White Nylon	2 @ #6 (M3)	Yes
ABM100-A	1.0 x 1.0 x .20 (25.4 x 25.4 x 5.2)	Rubber Tape	M, I, S	.5 (227)	-20 to 120 (29 to 49)	70 (21)	2	White Nylon	1 @ #6 (M3)	Yes
ABM100-AT	1.0 x 1.0 x .20 (25.4 x 25.4 x 5.2)	Acrylic Tape	M, I, S	.5 (227)	-20 to 180 (-29 to 82)	70 (21)	8	White Nylon	1 @ #6 (M3)	Yes
ACC19-A	.75 x .62 x .29 (19.1 x 15.7 x 7.4)	Rubber Tape	—	.2 (91)	-20 to 120 (29 to 49)	70 (21)	2	Natural Nylon	—	Yes
ACC19-AT	.75 x .62 x .29 (19.1 x 15.7 x 7.4)	Acylic tape	—	.2 (91)	-20 to 180 (-29 to 82)	70 (21)	8	Natural Nylon	—	Yes
ACC38-A	1.0 x 1.0 x .41 (25.4 x 25.4 x 10.4)	Rubber Tape	—	.5 (227)	-20 to 120 (29 to 49)	70 (21)	2	Natural Nylon	—	Yes
ACC38-AT	1.0 x 1.0 x .41 (25.4 x 25.4 x 10.4)	Acrylic Tape	—	.5 (227)	-20 to 180 (-29 to 82)	70 (21)	8	Natural Nylon	—	Yes
ACC62-A	1.12 x 1.25 x .64 (28.4 x 31.8 x 16.3)	Rubber Tape	—	.7 (318)	-20 to 120 (29 to 49)	70 (21)	2	Natural Nylon	—	Yes
ACC62-AT	1.12 x 1.25 x .64 (28.4 x 31.8 x 16.3)	Acrylic tape	—	.7 (318)	-20 to 180 (-29 to 82)	70 (21)	8	Natural Nylon	—	Yes
ADCC31-AT	1.0 x .70 x .48 (25.4 x 17.8 x 16.3)	Acrylic tape	—	.25 (113)	-20 to 180 (-29 to 82)	70 (21)	8	White ‡NORYL	—	—
AJC12-A	1.0 x .86 x .23 (25.4 x 21.8 x 5.8)	Rubber Tape	—	.4 (182)	-20 to 120 (29 to 49)	70 (21)	2	Gray PVC	—	Yes
AJC19-A	1.25 x .89 x .30 (31.8 x 22.6 x 7.6)	Rubber Tape	—	.5 (227)	-20 to 120 (29 to 49)	70 (21)	2	Gray PVC	—	Yes
AJC25-A	1.5 x .92 x .35 (28.1 x 23.4 x 8.9)	Rubber Tape	—	.6 (272)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
AJC31-A	1.75 x 1.23 x .44 (44.5 x 31.2 x 11.2)	Rubber Tape	—	.9 (408)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
AJC38-A	2.0 x 1.28 x .54 (50.8 x 32.5 x 13.7)	Rubber Tape	—	1 (454)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
AMC25-AT	1.0 x .81 x .40 (25.4 x 32.5 x 10.2)	Acrylic tape	—	.4 (182)	-20 to 120 (-29 to 49)	70 (21)	8	White PVC	—	—
AM2	1.2 x 1.2 x .13 (31.4 x 31.4 x 3.2)	User Supplied	M, I, S	DEPENDS ON ADHESIVE SELECTION BY USER				Natural Nylon	—	Yes
ARC.68-A	1.0 x 1.0 x 1.04 (25.4 x 25.4 x 26.4)	Rubber Tape	—	.5 (227)	-20 to 120 (-29 to 49)	70 (21)	2	White Polypropylene	1 @ #6 (M3)	Yes

*Tie Cross Section: M = Miniature I = Intermediate
S = Standard LH = Light Heavy H = Heavy
**Static load is stated at 70° F (21°C)
Static load at temperature minimums and maximums will be reduced.
‡NORYL Thermoplastic Resin is a Registered Trademark of General Electric Co.

Selection and Use of Adhesive Mounts

Part Number	Overall Dimensions L" x W" x H" (mm)	Adhesive Type	Used with Cable Tie*	Maximum Static Load lb. (g)**	Normal Service Temp. °F (°C) Range	Recommended Installation Temp. °F (°C)	Dwell Time (Hrs.)	Mount Material	Screw Hole Size	U.L. Recognized
ASMS-A	1.1 x 1.1 x .35 (28.6 x 28.6 x 8.9)	Epoxy•	M, I, S	10 (4540)	-40 to 180 (-40 to 82)	32 (0)	12	Nat. Nylon & Aluminum	—	—
A1C12-A	0.77 x 0.63 x 0.23 (19.6 x 16.0 x 5.8)	Rubber Tape	—	.14 (64)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
A1C25-A	0.91 x .063 x 0.23 (23.1 x 16.0 x 9.7)	Rubber Tape	—	.14 (64)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
A1C38-A	1.04 x 0.63 x 0.51 (26.4 x 16.0 x 13.0)	Rubber Tape	—	.14 (64)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
A1C50-A	1.17 x 0.63 x .064 (29.7 x 16.0 x 16.3)	Rubber Tape	—	.14 (64)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
A2C12-A	1.3 x 0.63 x 0.23 (33.0 x 16.0 x 5.8)	Rubber Tape	—	.29 (131)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
A2C25-A	1.43 x 0.63 x 0.36 (36.3 x 16.0 x 9.1)	Rubber Tape	—	.29 (131)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
A2C38-A	1.56 x 0.63 x 0.49 (39.6 x 16.0 x 12.4)	Rubber Tape	—	.29 (131)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
A2C50-A	1.68 x 0.63 x 0.61 (42.7 x 16.0 x 15.5)	Rubber Tape	—	.29 (131)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
BEC38-A	1.46 x 1.24 x 0.52 (37.1 x 31.5 x 13.2)	Rubber Tape	—	.91 (411)	-20 to 120 (-29 to 49)	70 (21)	2	Natural Nylon	—	Yes
BEC62-A	1.46 x 1.24 x 0.79 (37.1 x 31.5 x 20.1)	Rubber Tape	—	.91 (411)	-20 to 120 (-29 to 49)	70 (21)	2	Natural Nylon	—	Yes
BEC75-A	1.46 x 1.49 x 0.89 (37.1 x 37.8 x 22.6)	Rubber Tape	—	1.09 (493)	-20 to 120 (-29 to 49)	70 (21)	2	Natural Nylon	—	Yes
EMS-A	1.0 x 1.0 x .26 (25.4 x 25.4 x 6.6)	Epoxy•	M, I, S	10 (4540)	-40 to 180 (-40 to 82)	32 (0)	12	Natural Nylon	—	—
FCC-A	1.0 x 1.09 x .42 (25.4 x 27.7 x 10.7)	Rubber Tape	—	.5 (227)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
FCC5-A	1.0 x 0.56 x .28 (25.4 x 14.1 x 7.1)	Rubber Tape	—	.25 (113)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
FCM1-A	1.21 x 1.0 x .46 (30.7 x 25.4 x 11.7)	Rubber Tape	—	.5 (227)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	1 @ #6 (M3)	Yes
FCM1.2-A	1.37 x 1.0 x .46 (34.8 x 25.4 x 11.7)	Rubber Tape	—	.62 (281)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	1 @ #6 (M3)	Yes
FCM2-A	2.22 x 1.0 x .52 (56.4 x 25.4 x 13.2)	Rubber Tape	—	1 (454)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	2 @ #6 (M3)	Yes
FCM3.25-A	3.38 x 1.0 x .68 (85.9 x 25.4 x 17.3)	Rubber Tape	—	1.5 (681)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	2 @ #6 (M3)	Yes
LC3-A	.75 x .77 x .46 (19.1 x 19.6 x 11.7)	Rubber Tape	—	.28 (127)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
LC5-A	1.0 X 1.0 X .57 (25.4 X 25.4 X 14.5)	Rubber Tape	—	.5 (227)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
LC10-A	1.0 X 1.51 X .94 (25.4 X 38.4 X 23.9)	Rubber Tape	—	.6 (272)	-20 to 120 (-29 to 49)	70 (21)	2	Gray PVC	—	Yes
LPFCM14-A	2.56 X 0.50 X 0.165 (65.0 X 12.7 X 4.2)	Rubber Tape	—	.25 (113)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	2 @#6 (M3)	Yes
LPFCM22-A	3.31 X 0.50 X 0.165 (84.1 X 12.7 X 4.2)	Rubber Tape	—	.25 (113)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	2 @ #6 (M3)	Yes
LPFCM34-A	4.65 X 0.50 X 0.165 (115.8 X 12.7 X 4.2)	Rubber Tape	—	.25 (113)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	2 @ #6 (M3)	Yes
LWC19-A	.61 x .85 x .39 (15.5 x 21.6 x 9.9)	Rubber Tape	—	.25 (113)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	—	Yes
LWC25-A	1.0 X .88 X .45 (25.4 X 22.4 X 11.4)	Rubber Tape	—	.45 (204)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	—	Yes

*Tie Cross Section: M = Miniature I = Intermediate
S = Standard LH = Light Heavy H = Heavy
**Static load is stated at 70° F (21°C)
Static load at temperature minimums and maximums will be reduced
•***PANDUIT*** Part No: EMA Epoxy

Selection and Use of Adhesive Mounts

Part Number	Overall Dimensions L" x W" x H" (mm)	Adhesive Type	Used with Cable Tie*	Maximum Static Load lb. (g)**	Normal Service Temp. °F (°C) Range	Recommended Installation Temp. °F (°C)	Dwell Time (Hrs.)	Mount Material	Screw Hole Size	U.L. Recognized
LWC38-A	1.0 X 1.0 X .56 (25.4 X 25.4 X 14.2)	Rubber Tape	—	.50 (227)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	—	Yes
LWC50-A	1.0 X 1.25 X .67 (25.4 X 31.8 X 17.6)	Rubber Tape	—	.63 (284)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	—	Yes
LWC75-A	1.232 x 1.476 x .91 (31.3 x 37.4 x 23.1)	Rubber Tape	—	.93 (417)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	—	Yes
LWC100-A	1.98 x 2.225 x 1.26 (50.3 x 56.5 x 32.0)	Rubber Tape	—	2.25 (1020)	-20 to 120 (-29 to 49)	70 (21)	2	Gray Nylon	—	Yes
MACC25-A	0.77 X .054 X 0.40 (19.5 X 13.6 X 10.2)	Rubber Tape	—	.19 (86)	-20 to 120 (-29 to 49)	70 (21)	2	Zinc Plated Steel	—	Yes
MACC62-A	1.18 X 0.78 X 0.75 (30.0 X 19.7 X 19.0)	Rubber Tape	—	.44 (200)	-20 to 120 (-29 to 49)	70 (21)	2	Zinc Plated Steel	—	Yes
SMS-A	2.0 X 1.0 X .35 (50.8 X 25.4 X 8.9)	Rubber Tape	†S	1 (454)	-20 to 120 (-29 to 49)	70 (21)	2	White ABS	2 @ #6 (M3)	Yes
TM1A	.51 x .33 x .23 (12.8 x 8.3 x 5.8)	User Supplied	M	DEPENDS ON ADHESIVE SELECTED BY USER				Natural Nylon	—	Yes
TM2A	.59 x .38 x .27 (14.9 x 9.5 x 6.9)	User Supplied	M, I, S					Natural Nylon	—	Yes
TM3A	.88 x .63 x .38 (22.2 x 15.9 x 9.7)	User Supplied	M, I, S, H					Natural Nylon	—	Yes
VCC25-A	1.0 x .5 x .44 (25.4 x 12.7 x 11.2)	Rubber Tape	—	.25 (113)	-20 to 120 (-29 to 49)	70 (21)	2	Natural Nylon	—	Yes

*Tie Cross Section: M = Miniature I = Intermediate
S = Standard LH = Light Heavy H = Heavy
**Static load is stated at 70° F (21°C)
Static load at temperature minimums and maximums will be reduced
†Use with PLT/PRT1.5S or PLT/PRT2S

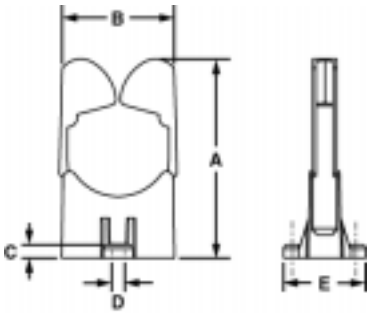
Harness Board Accessories

PANDUIT harness board accessories provide for the fast routing and forming of wires in harness fabrication.They hold the wires off the harness board at a uniform height for easy application of cable ties. The accessories are designed for use with various ***PANDUIT*** cable tie installation tools. The Low accessories are used with hand-operated tools. The High accessories are used with the automatic tools. To maintain the harness a uniform height of approx. 1.33 inches (33.8mm) (at the center of the harness) above the board, use RER Elastic Retainers, BR.75-E6 (or BR.5-E6), CPH.75-S8, TJF and SHHH1.S8 or SHH3-S8 harness board accessories. This height suitable for use of PAT1M Automatic Cable Tie Installation Tool.

Wire Retainers

RER Type Replaceable Elastic Retainers

As wires are individually inserted, the bundle is pre-formed. When harness is complete, it can be easily snapped out. Three sizes available for 1/2" (12.7), 3/4" (19.0) and 1 1/4" (31.7) bundles.



Replacement Elastic

For economy, the elastic band can be replaced in the RER Elastic Retainers without removing the RER base.

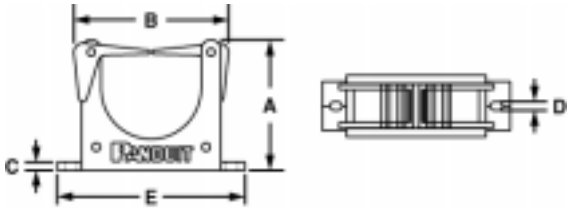
Part Number	Pkg. Qty.
RER.5E-X	10
RER.75E-X	10
RER1.25E-X	10

Part Number†	Max. Dia. In (mm)	Dimensions Inches (mm) A	B	C	D	E	Material & Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
RER.5-S6-X	.5 (12.7)	1.82 (46.2)	.84 (21.3)	.18 (4.7)	.141 (3.6)	1.18 (30.0)	Black Nylon and Acetal	#6 (M3) Screw	10	50
RER.75-S6-X	.75 (19.0)	2.12 (53.9)	1.12 (28.4)		.145 (3.7)				10	50
RER1.25-S6-X	1.25 (31.8)	2.75 (69.9)	1.64 (41.7)		.145 (3.7)				10	50

Most commonly used parts appear in **BOLD**.

ER Type Elastic Retainers

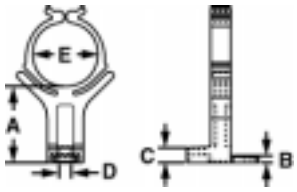
ER Type retainers form wire bundles as wires are inserted. Completed bundles then snap out. Two sizes available for 1/2" (12.7) and 1 1/4" (31.7).



Part Number†	Max. Dia. In (mm)	Dimensions Inches (mm) A	B	C	D	E	Material & Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
ER.5-E4-X	.5 (12.7)	1.00 (25.4)	1.00 (25.4)	.15 (3.8)	.120 (3.0)	1.90 (48.3)	Black Nylon and ABS	#4 (M2,5) Screws	10	100
ER1.25-E4-X	1.25 (31.8)	2.00 (50.8)	2.40 (61.0)			2.90 (73.7)			10	100

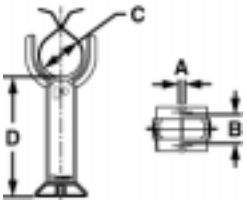
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity.

Bundle Retainers



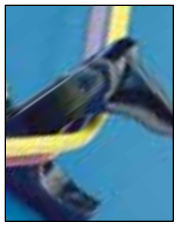
Spring fingers with large lead in, facilitate fast routing of wires and easy removal of completed harness. Overlapping feet allow the retainers to be butted together for wire breakouts. Three sizes available for 1/2" (12.7), 3/4" (19.0) and 2.00" (50.8) bundles.

Part Number†	Max. Dia. In (mm)	Dimensions Inches (mm) A	B	C	D	E	Material & Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
BR.5-E6-C	.5 (12.7)	1.07 (27.2)	.09 (2.3)	.20 (5.1)	.145 (3.7)	.52 (13.2)	Black Acetal	#6 (M3) Screws	100	500
BR.75-E6-C	.75 (19.0)	.95 (24.1)				.76 (19.3)			100	500



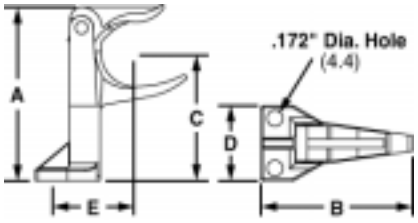
BR2-1.5-X	2.00 (50.8)	.26 (6.6)	1.42 (36.1)	2.12 (54.0)	1.62 (41.1)	—	Black Acetal	1/4-20 (M6) Screws	10	100
BR2-4-X	2.00 (50.8)	.26 (6.6)	1.42 (36.1)	2.12 (54.0)	4.00 (101.6)	—			10	100
BR2-6-X	2.00 (50.8)	.26 (6.6)	1.42 (36.1)	2.12 (54.0)	6.00 (152.4)	—			10	100

Corner Posts

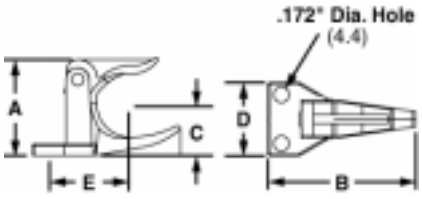


Designed to pre-form tight bundles at harness corners and breakouts. The top arm pivots for easy removal of completed harness.

CPH Corner Post, High



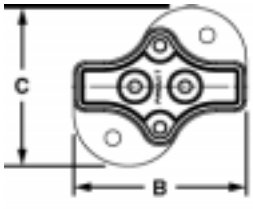
CPL Corner Post, Low

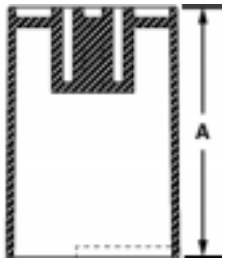


CPH.75-S8-X	.75 (19.0)	1.78 (45.3)	1.60 (40.8)	1.35 (34.4)	.90 (22.9)	1.18 (30.0)	Black Acetal	#8 (M4) Screws	10	100
CPL.75-S8-X		1.08 (27.4)	1.52 (38.6)	.56 (14.2)	.88 (22.4)	1.11 (28.2)			10	100

Harness Board PAT2 Adapter Base

Harness board PAT2 adapter base can be used to raise wire retainers (RER.5,.75, 1.25), bundle retainers (BR.5, .75) and corner posts (CPH.75, CPL.75) to accommodate the PAT2 automatic cable tie installation tool.





Part Number†	A	B	C	Material & Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
HBP2AB-X	2.501 (63.53)	1.707 (43.36)	1.608 (40.89)	Black Nylon	#6 (M3) Screw	10	100

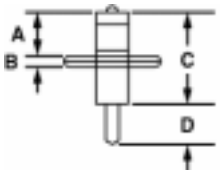
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity.

T-Junction Fixture

In the "up" position to form harness

In the "down" position to tie and remove harness.

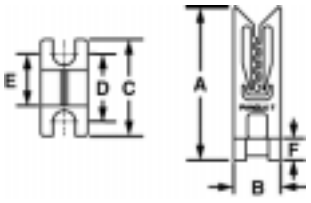
Using an integral harness board nail, the fixture moves up and down (see photos) to form "T" junction. Unique design reduces cable tie usage by 1/3 compared to other fixtures.



Part Number†	Max. Dia. In (mm)	Dimensions Inches (mm) A	B	C	D	E	Material & Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
TJF-X	1.34 (34.0)	.75 (19.1)	.12 (3.0)	1.39 (35.1)	.70 (17.8)	1.12 (28.4)	Black Acetal and Nickel Plated Steel	Integral Nail	10	100

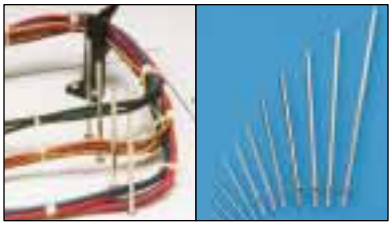
Wire End Holder

Secures wire ends with or without terminations while harness is being fabricated. Wires can be easily added or removed from the top, but will hold the wire from axial movement. Used with #28 thru #16 AWG wires. Two mounting slots .16 (4.1) for #8 (M4) screws.

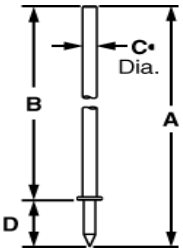


Part Number†	Dimensions Inches (mm) A	B	C	D	E	F	Material & Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
WEH-E8-C	1.25 (31.8)	.38 (9.7)	.79 (20.0)	.55 (14.0)	.29 (7.4)	.18 (4.6)	Black Acetal	#8 (M4) Screws	100	1000

Harness Board Nails



Speeds routing of wires. All have a uniform driving depth insured by collar stop.



Available in standard (HBN) and heavy duty (HBNH) types.

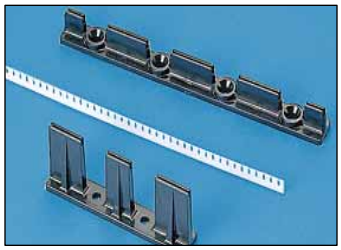
HBN.75-T	1.40 (35.6)	.78 (19.8)	.073 (1.9)	.62 (15.9)	—	—	Hardened Tempered Steel	Hammered into Harness Board	200	1000
HBN1-T	1.65 (41.9)	1.03 (26.2)	.073 (1.9)		—	—			200	1000
HBN1.5-T	2.15 (54.6)	1.53 (38.4)	.082 (2.1)		—	—			200	1000
HBN2-T	2.65 (67.3)	2.03 (51.6)	.093 (2.4)		—	—			200	1000
HNB2.5-T	3.17 (80.5)	2.55 (64.8)	.110 (2.8)		—	—			200	1000
HBN3-T	3.67 (93.2)	3.05 (77.5)	.120 (3.0)		—	—			200	1000
HBN4-T	4.67 (118.6)	4.03 (102.9)	.144 (3.7)		—	—			200	1000
HBNH4-L	4.75 (120.6)	4.0 (101.6)	.187 (4.7)	.75 (19.0)	—	—			50	500
HBNH5-L	5.75 (146.0)	5.0 (127.0)			—	—			50	500
HBNH6-L	6.75 (171.4)	6.0 (152.4)			—	—			50	500
HBNH7-L	7.75 (196.8)	7.0 (177.8)			—	—			50	500
HBNH8-Q	8.75 (222.2)	8.0 (203.2)			—	—			25	125

Most commonly used parts appear in **BOLD**.

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity.

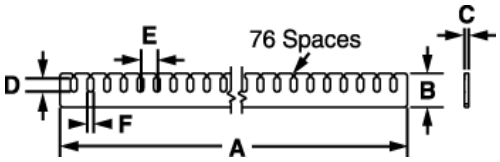
Fanning Strip System

Assures that wires are held in a particular orientation in sophisticated wiring harnesses. Consists of fanning strip and fanning strip holder.



Fanning Strip (FS156)

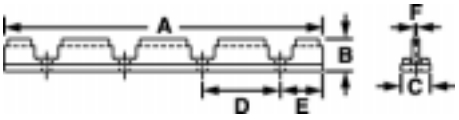
Contains evenly spaced “snap slots” to hold wires in place. No sharp edges to damage wire insulation. Becomes part of the wiring harness. Will accept wires up to 18 AWG. Used with FSH40 or FSHH holders.



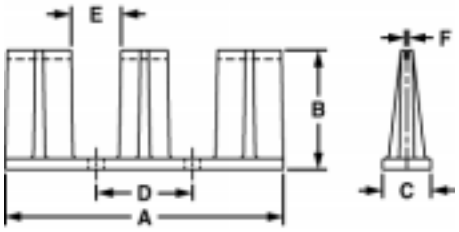
Fanning Strip Holders

Used in conjunction with RER.75-S6, BR.75-E6 (BR.5-E6) and CPH.75-S8. Ideal for use with PAT cable tie tool.

Low Holder (FSH40-X)



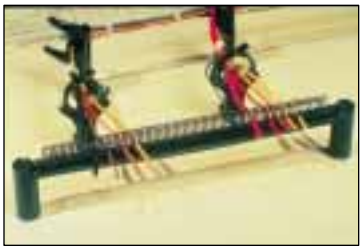
High Holder (FSHH-X)



Part Number†	Dimensions Inches (mm)						Material & Color	Mounting Method	Std. Pkg. Qty.
	A	B	C	D	E	F			
FS156-C	12.0 (304.8)	.31 (7.9)	.04 (1.0)	.12 (3.0)	.156 (4.0)	.06 (1.5)	Nylon	Fanning Strip Holder	100
FSH40-X	6.0 (152.4)	.62 (15.7)	.56 (14.2)	1.50 (38.1)	.75 (19.0)	.04 (1.0)	ABS	#8 (M4) Screw	10
FSHH-X	3.22 (82)	1.38 (35.1)	.57 (14.5)	1.12 (28.4)	.53 (13.5)	.04 (1.0)	ABS		10

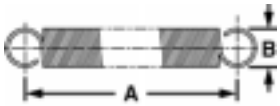
*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity.

Spring Wire Breakout System



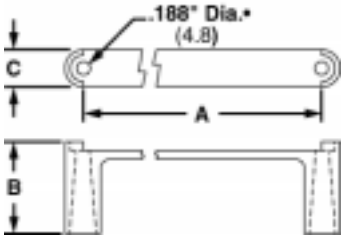
Consists of harness board springs and spring holders to hold wire ends taut. When harness is removed from board, wires simply pull out from spring.

PBSC Spring Wire Breakout



SHH Spring Holder

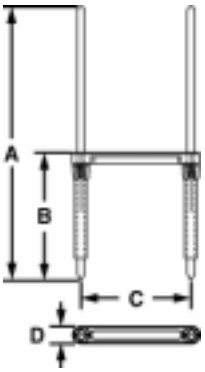
Each SHH Spring Holder is supplied with (1) rigid wire piece to hold the spring laterally and two #8 (M4) 2" (50.8) hex head wood screws. Two sizes available for use with PBSC1 and PBSC6.



Part Number†	Dimensions Inches (mm) A	B	C	Material & Color	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.
PBSC1-X	1.00 (25.4)	.44 (11.2)	—	.035" (.9) Thick Steel	Used with SHH1 Spring Holder	10	100
PBSC3-X	3.00 (76.2)		—		—	10	100
PBSC6-X	6.00 (152.4)		—		Used with SHH3 Spring Holder	10	100
PBSC12-X	12.00 (304.8)		—		—	10	—
SHH1-S8-X	1.90 (48.3)	1.30 (33)	.50 (12.7)	Nylon	Two #8 (M4) 2" (50.8) Screws used with PBSC1	10	—
SHH3-S8-X	7.00 (177.8)				Two #8 (M4) 2" (50.8) Screws used with PBSC6	10	—

Harness Board Platform

Elevates the bundle of wires from the harness board to allow the installation of Abrasion Protection products and the use of ***PANDUIT*** automatic cable tie tools. The platform is used as a template to mark the location of the nails. The nails are driven into the board with a hammer. The plastic sleeve slides over each nail.



Part Number†	Max. Bundle Dia. In (mm)	Dimensions Inches (mm) A	B	C	D	Material & Method	Mounting Method	Packaging* Std. Pkg. Qty.	Std. Ctn. Qty.
HB1P4-X	1.00 (25.4)	5.00 (127.0)	4.00 (101.6)	1.32 (33.5)	.375 (9.5)	Nylon platform, vinyl spacer, tempered steel nails	Driven into harness board	10	100
HB1P6-X		7.00 (203.2)	6.00 (152.4)					10	100
HB2P4-X	2.00 (51)	6.00 (152.4)	4.00 (101.6)	2.32 (58.9)				10	100
HB2P6-X		8.00 (203.2)	6.00 (152.4)					10	100

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity.

Harness Board Standoff Post

Used to hold a push mount accessory or cable tie at a specific location on a harness board. The Standoff Post is placed over a hole in the harness board, a bolt is then threaded into the bottom of the standoff from the backside of the board and tightened. Push mount accessories are inserted into the top of the Standoff Post prior to assembly. When the assembly is complete, the harness and the attached push mount are removed from the Standoff Post.

Part Number†	Dimensions Inches (mm) A	B	C	D	E	Material & Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
HB2SP19-X	2.00 (51)	.50 (12.7)	.203 (5.1)	—	—	Aluminum	(M6) Screw	10	100
HB4SP19-X	4.00 (101.6)			—	—			10	100
HB6SP19-X	6.00 (152.4)			—	—			10	100
HB2SP25-X	2.00 (51)		.295 (7.5)	—	—			10	100
HB4SP25-X	4.00 (101.6)			—	—			10	100
HB6SP25-X	6.00 (152.4)			—	—			10	100

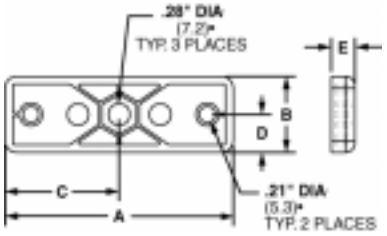
Tie Harness Anchor Universal Fixture

THAUF4-X is used to hold a tie harness anchor at a specified location on a harness board. Unique step design accepts all 3 mount hole sizes found in ***PANDUIT*** tie harness anchors. When assembly is complete, the harness and attached anchor are removed from the harness board post. Can also be used with the harness board universal adapter (HBUA-X).

THAUF4-X	4.00 (101.6)	5.00 (127)	.50 (12.7)	—	—	Aluminum	(M6) Screw	10	100

Harness Board Universal Adapter

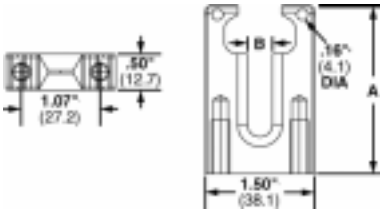
Used with Harness Board Standoff Post when you cannot drill mounting holes in your harness board. A bolt is inserted from the back side of the Adapter and then is turned right side up. The Adapter is now ready to be secured to your harness board by using self tapping screws.



HBUA-X	3.00 (77)	1.00 (25.4)	1.50 (38.1)	.50 (12.7)	.31 (7.9)	Black Nylon	Wood Screw	10	100

Tie Harness Mount Fixture

Used to hold and support the THM1SC Harness Mount (***See Page 95***). The mount is elevated from the harness board so that a cable tie can be installed by Panduit's automatic cable tie installation tools. The mount is pushed into the top of the fixture prior to assembly and pulled out of the fixture when the harness is complete.



THMF2-X	2.08 (52.8)	.28 (7.1)	See Drawing	Aluminum	(M6) Screw	10	50
THMF4-X	4.08 (103.6)	.34 (8.7)				10	50
THMF6-X	6.08 (154.4)	.34 (8.7)				10	50

*Order the Number of Pieces Required in Multiples of Packaging Quantities.
†Part Numbers listed are for Standard Materials in Standard Package Quantity.

Bulk Package Part Numbers

The following is an alpha-numeric cross reference of Standard Package Wiring Accessories parts with the corresponding Bulk Package part numbers. Contact distributor for pricing of bulk package parts.

Standard Part No.	Bulk Part No.
A	
ABMM-A-C	ABMM-A-D
ABMM-AT-C	ABMM-AT-D
ABMM-AT-C0	ABMM-AT-D0
ABMS-A-C	ABMS-A-D
ABM1M-A-C	ABM1M-A-M
ABM1M-AT-C	ABM1M-AT-M
ABM100-A-C	ABM100-A-D
ABM100-A-C14	ABM100-A-D14
ABM100-A-C15	ABM100-A-D15
ABM100-AT-C0	ABM100-AT-D0
ABM2S-A-C	ABM2S-A-D
ABM2S-A-C14	ABM2S-A-D14
ABM2S-A-C15	ABM2S-A-D15
ABM2S-AT-C .	ABM2S-AT-D
ABM2S-AT-C0	ABM2S-AT-D0
ABM3H-A-L	ABM3H-A-T
ABM3H-AT-L	ABM3H-AT-T
ABM4H-A-L	ABM4H-A-T
ABM4H-AT-L	ABM4H-AT-T
ACC19-A-C	ACC19-A-M
ACC19-A-C20	ACC19-A-M20
ACC38-A-C	ACC38-A-M
ACC38-A-C20	ACC38-A-M20
ACC62-A-C	ACC62-A-M
ACC62-A-C20	ACC62-A-D20
ADCC31-AT-C10	ADCC31-AT-D10
AM2-C	AM2-M
ARC.68-A-Q	ARC.68-A-C
ARC.68-A-Q14	ARC.68-A-C14
ARC.68-S6-Q	ARC.68-S6-C
ARC.68-S6-Q14	ARC.68-S6-C14
ASMS-A-X	ASMS-A-T
B	
BCS-L100	BCS-D100
BCS-C115	BCS-D115
BEC38-A-L	BEC38-A-T
BEC38-A-L20	BEC38-A-T20
BEC38-A-L0	BEC38-A-T0
BEC62-A-L	BEC62-A-T
BEC62-A-L20	BEC62-A-T20
BEC62-A-L0	BEC62-A-T0
BEC75-A-L	BEC75-A-T
BEC75-A-L20	BEC75-A-T20
BEC75-A-L0	BEC75-A-T0
BECP38H25-L	BECP38H25-T
BECP38H25-L20	BECP38H25-T20
BECP75H25-L	BECP75H25-T
BECP75H25-L20	BECP75H25-T20
C	
CBLS18-C	CBLS18-M
CBLS25-C	CBLS25-M
CBLS37-C	CBLS37-M
CBLS50-C	CBLS50-M
CBLS62-C	CBLS62-M
CBLS75-C	CBLS75-M
CBP12-C	CBP12-M
CBP25-C	CBP25-M
CBP31-C	CBP31-M
CBP37-C	CBP37-M
CBP50-C	CBP50-M
CBP62-C	CBP62-M
CBP75-C	CBP75-M
CBP87-C	CBP87-M
CBP100-C	CBP100-M
CCS12-S8-C	CCS12-S8-M
CCS19-S8-C	CCS19-S8-M
CCS25-S8-C	CCS25-S8-M
CCS25-S10-C	CCS25-S10-M
CCS31-S8-C	CCS31-S8-M
CCS38-S8-C	CCS38-S8-M
CCS44-S8-C	CCS44-S8-M
CCS50-S8-C	CCS50-S8-M
CCH12-S10-C	CCH12-S10-M
CCH19-S10-C	CCH19-S10-M
CCH25-S10-C	CCH25-S10-M
CCH31-S10-C	CCH31-S10-M
CCH38-S10-C	CCH38-S10-M
CCH44-S10-C	CCH44-S10-M
CCH50-S10-C	CCH50-S10-M
CCH56-S10-C	CCH56-S10-M
CCH62-S10-C	CCH62-S10-M
CCH69-S10-C	CH69-S10-M
CCH75-S10-C	CCH75-S10-M
CCH81-S10-C	CCH81-S10-M
CCH87-S10-C	CCH87-S10-M
CCH100-S10-C	CCH100-S10-M
E	
EMA-X	STD. ONLY
EMS-A-C	EMS-A-D
EMS-A-C0	EMS-A-D0
EMSK3-1-X0	EMSK3-1-C0
EMSK12-4-12-X0	EMSK12-4-12-C0
F	
FCBI1-A-C20	FCBI1-A-M20
FCBI1-S10-C20	FCBI1-S10-M20
FCBI2-A-C20	FCBI2-A-M20
FCBI2-S10-C20	FCBI2-S10-M20
FCBI3-A-C20	FCBI3-A-M20
FCBI3-S10-C20	FCBI3-S10-M20
FCC5-A-C8	FCC5-A-D8
FCC-A-C8	FCC-A-D8
FCM1-A-C14	FCM1-A-T14
FCM1-S6-C14	FCM1-S6-T14
FCM2-A-C14	FCM2-A-T14
FCM2-S6-C14	FCM2-S6-T14
FCM1.2-A-C14	FCM1.2-A-T14
FCM1.2-S6-C14	FCM1.2-S6-T14
FCPI1-C20	FCPI1-M20
FCPI2-C20	FCPI2-M20
FCPI3-C20	FCPI3-M20
H	
HCMP06B12-C20	HCMP06B12-M20
HCMP06C12-C20	HCMP06C12-M20
HWS2819-C	HWS2819-M
HSC-25-L	HSC-25-D
HSC-25-L100	HSC-25-D100
HCME06A12-C20	HCME06A12-M20
HCMP06B12-C20	HCMP06B12-M20
HCMP06C12-C20	HCMP06C12-M20
HWS2819-C	HWS2819-M
HSC-25-L	HSC-25-D
HSC-25-L100	HSC-25-D100
K	
KIMS-H366-C2	KIMS-H366-M2
KIMS-H430-C6	KIMS-H430-M6
KIMS-H500-C4	KIMS-H500-M4
L	
LPFCM14-A-C14	LPFCM14-A-D14
LPFCM22-A-C14	LPFCM22-A-D14
LPFCM34-A-C14	LPFCM34-A-D14
LPMM-S2-C	LPMM-S2-M
LPMM-S5-C	LPMM-S5-M
LPMS-S8-C	LPMS-S8-M
LWC19-A-C	LWC19-A-M
LWC19-A-C14	LWC19-A-M14
LWC19-H25-C	LWC19-H25-M
LWC19-H25-C14	LWC19-H25-M14
LWC25-A-C	LWC25-A-D
LWC25-A-C14	LWC25-A-D14
LWC25-H25-C	LWC25-H25-D
LWC25-H25-C14	LWC25-H25-D14
LWC38-A-C	LWC38-A-D
LWC38-A-C14	LWC38-A-D14
LWC38-H25-C	LWC38-H25-D
LWC38-H25-C14	LWC38-H25-D14
LWC50-A-L	LWC50-A-T
LWC50-A-L14	LWC50-A-T14
LWC50-H25-L	LWC50-H25-T
LWC50-H25-L14	LWC50-H25-T14
LWC75-A-L	LWC75-A-C
LWC75-A-L14	LWC75-A-C14
LWC75-H25-L	LWC75-H25-C
LWC75-H25-L14	LWC75-H25-C14
LWC100-A-L	LWC100-A-C
LWC100-A-L14	LWC100-A-C14
LWC100-H25-L	LWC100-H25-C
LWC100-H25-L14	LWC100-H25-C14
M	
MBMS-S10-C	MBM-S10-M
MMS8	STD. ONLY
MP150-C THRU MP350-C	MP150-M THRU MP350-M
MP150-C0 THRU MP350-C0	MP150-M0 THRU MP350-M0
BULK ONLY	MP150R THRU MP250R

Bulk Package Part Numbers

The following is an alpha-numeric cross reference of Standard Package Wiring Accessories parts with the corresponding Bulk Package part numbers. Contact distributor for pricing of bulk package parts.

Standard Part No.	Bulk Part No.
MPMS19-C0	MPMS19-M0
MPMH38-L0	MPMH38-D0
MPMWH32-L0	MPMWH32-D0
P	
PBMS-H25-C	PBMS-H25-M
PBMS-H25-C14	PBMS-H25-M14
PLA2S-A-Q	PLA2S-A-C
PMCC38H25-C	PMCC38H25-M
PM2H25-C	PM2H25-M
PP1S-S10-X	PP1S-S10-C
PP2S-S10-X	PP2S-S10-C
PP2S-S12-X	PP2S-S12-C
PRA2S-A-Q	PRA2S-A-C
PWMS-H25-C	PWMS-H25-M
R	
RAFCBI1-S6-C20	RAFCBI1-S6-M20
RAFCBI2-S6-C20	RAFCBI2-S6-M20
RAFCBI3-S6-C20	RAFCBI3-S6-M20
S	
SE12P-TR0	SE12P-MR0
SE25P-TR0	SE25P-MR0
SE38P-TR0	SE38P-MR0
SE50P-CR0	SE50P-DR0
SE74P-CR0	SE75P-DR0
SE125P-LR0	SE125P-TR0
SE150P-LR0	SE150P-TR0
SE12PFR-TR0	SE12PFR-MR0
SE25PFR-TR0	SE25PFR-MR0
SE38PFR-TR0	SE38PFR-MR0
SE50PFR-CR0	SE50PFR-DR0
SE75PFR-CR0	SE75PFR-DR0
SE125PFR-LR0	SE125PFR-TR0
SE150PFR-LR0	SE150PFR-TR0
SICH25-C	SICH25-M
SICH38-C	SICH38-M
SICH50-C	SICH50-M
SICH75-C	SICH75-M
SICH100-C	SICH100-M
SMS-A-C	SMS-A-D
SMS-A-C14	SMS-A-D14
SMS-A-C15	SMS-A-D15
T	
TA1S8-C	TA1S8-M
TA1S10-C	TA1S10-M
TA2-C	TA2-M
THASS8-C	THASS8-M
THASS8-C30	THASS-M30
THASS10-C	THASS10-M
THASS10F-C30	THASS10F-M30
THASS25-C	THASS25-M
THASS25-C30	THASS25-M30
THASS8F-C	THASS8F-M
THASS8F-C30	THASS8F-M30
THASS10F-C	THASS10F-M
THASS10F-C30	THASS10F-M30
THASS25F-C	THASS25F-M
THASS25F-C30	THASS25F-M30

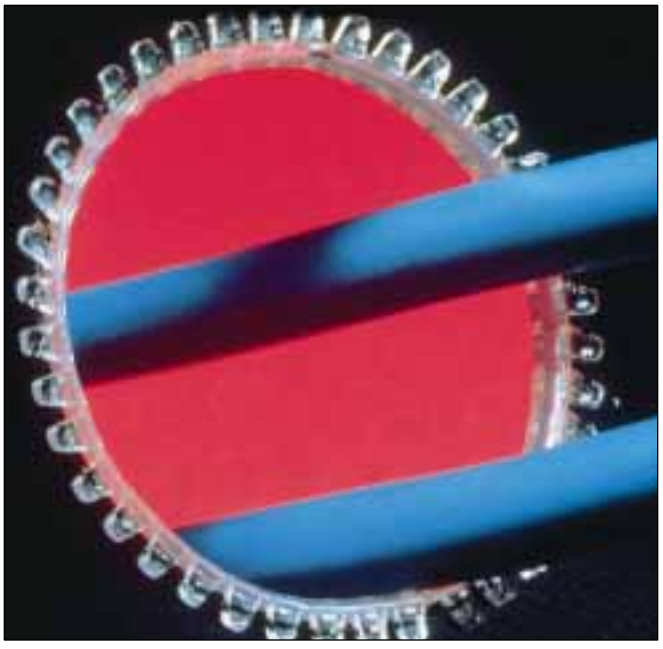
Standard Part No.	Bulk Part No.
THAUF4-X	THAUF4-C
THM1SC-C	THM1SC-M
THM1SC-C30	THM1SC-M30
THMSC35-C30	THMSC35-M30
THMSC35-C39	THMSC35-M39
THMSC35F-C30	THMSC35F-M30
THMSC35F-C39	THMSC35-M39
THMSC60-C30	THMSC60-M30
THMSC60-C39 .	THMSC60-M39
THMSC60F-C30	THMSC60F-M30
THMSC60F-C39	THMSC60F-M39
THMSC85-C30	THMSC85-M30
THMSC85-C39	THMSC85-M39
THMSP20-C	THMSP20-M
THMSP20-C30	THMSP20-M30
THMSP20F-C	THMSP20F-M
THMSP20F-C30	THMSP20F-M30
THMSP25-C	THMSP25-M
THMSP25-C30	THMSP25-M30
THMSP25F-C	THMSP25F-M
THMSP25F-C30	THMSP25F-M30
THMEH-S8-Q0	TMEH-S8-C0
TMEH-S10-Q0	TMEH-S10-C0
TMEH-S25-Q0	TMEH-S25-C0
TMSTLHS6-C0	TMSTLHS6-M0
TMSTHS13-C0	TMSTLH13-D0
TMSTHS16-C0	TMSTHS16-D0
TMSTHS19-C0	TMSTHS16-D0
TM1A-C	TM1A-M
TM1S4-C	TM1S4-M
TM1S6-C	TM1S6-M
TM2A-C	TM2A-M
TM2PWH25-C	TM2PWH25-M
TM2R6-C	TM2R6-M
TM2S6-C	TM2S6-M
TM2S8-C	TM2S8-M
TM2S8-C100	TM2S8-M100
TM3A-C	TM3A-M
TM3R6-C	TM3R6-M
TM3S10-C	TM3S10-M
TM3S25-C	TM3S25-M
TM3S8-C	TM3S8-M
TM3S8-C100	TM3S8-M100
TP2-C	TP2-M
TP4H-C	TP4H-D
TPM16-C	TPM16-M
TPM5-16-C	TPM5-16-M
TPM10-16-C	TPM10-16-M
TPM15-16-C	TPM15-16-M
TPM20-16-C	TPM20-16-M
TPM25-16-C	TPM25-16-M
TPM30-16-C	TPM30-16-M
TWR-C	TWR-M
TWR-C0	TWR-M0
T12F-C	T12F-D
T12F-C0	T12F-D0
T12FR-C	T12FR-D

Standard Part No.	Bulk Part No.
T12N-C	T12N-D
T12N-C0	T12N-D0
T12R-C	T12R-D
T25F-C	T25F-M
T25F-C0	T25F-M0
T25FR-C	T25FR-M
T25FR-C20	T25FR-M20
T25N-C	T25N-M
T25R-C	T25R-M
T25R-C20	T25R-M20
T38F-C	T38F-TL
T38F-C0	T38F-TL0
T38FR-C	T38FR-TL
T38N-C	T38N-TL
T38R-C	T38R-TL
T50F-C	T50F-TL
T50F-C0	T50F-TLO
T50F-C3	T50F-TL3
T50F-C4	T50F-TL4
T50FR-C	T50FR-TL
T50N-C	T50N-TL
T50N-C0 .	T50N-TL0
T50R-C	T50R-TL
T62F-C	T62F-TL
T62FR-C	T62FR-TL
T62N-C	T62N-TL
T62R-C	T62R-TL
T75F-C	T75F-T
T75F-C0	T75F-T0
T75FR-C	T75FR-T
T75N-C	T75N-T
T75R-C	T75R-T
V	
VCC25-A-C	ACC25-A-M
VCC25-A-C0	VCC25-A-M0
VCC50-A-C	VCC50-A-D
VCS-25-L	VCS-25-D
VCS-25-L100	VCS-25-D100
VWS4218-C	VWS4218-M
VWS4238-C	VWS4238-M
VWS4274-C	VWS4275-M
VWS42105-C	VWS42105-M
W	
WS25-25-C	WS25-25-M
WS25-50-C	WS25-50-M
WS25-75-C	WS25-75-M
WS35-25-C	WS35-25-M
WS35-50-C	WS35-50-M
WS35-75-C	WS35-75-M
WS50-25-C	WS50-25-M
WS50-50-C	WS50-50-M
WS50-75-C	WS50-75-M
WS75-25-C	WS75-25-M
WS75-50-C	WS75-50-M
WS75-75-C	WS75-75-M

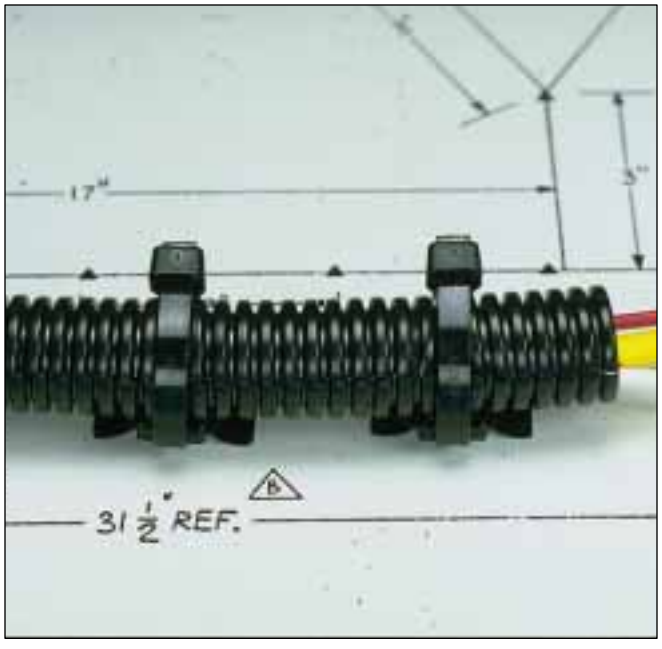
Abrasion Protection Products

Spiral Wrapping

Grommet Edging



Corrugated Loom Tubing



Braided Sleeving

Abrasion Protection for Wire and Cable Insulation as well as Hydraulic or Pneumatic Tubing

Spiral Wrapping

U.L. Recognized

Features and Benefits

- Largest variety of colors, materials and sizes in the industry
- Available in seven different materials and twelve different colors
- Colors conform to Communications Wiring Standards
- Flexible, neat, fast
- Allows breakouts of single/multiple wires and rerouting of replacement wires
- Harness multiple cables into a single manageable bundle
- Abrasion protection for wires, cables, hoses and tubing
- Color code wire bundles
- Reusable
- Tool supplied in each package

Spiral Wrapping Suggested Applications

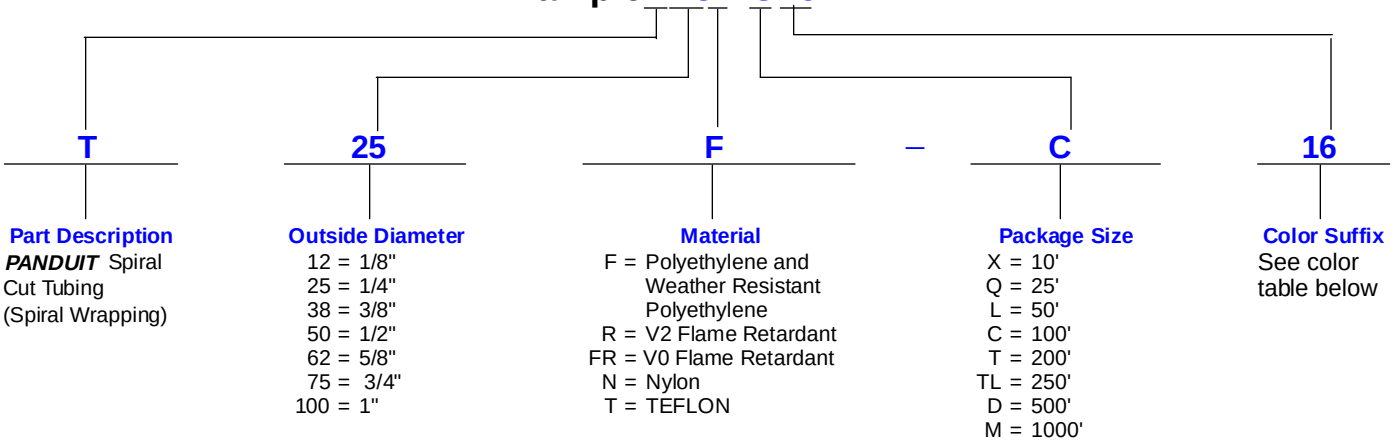
Use *PANDUIT*® Spiral Wrapping in office and industrial environments for the following applications:

- Organize wires for communication and computer equipment where access to the wires is required
- In OEM applications for protecting tubing and harnesses
- Abrasion protection for control panel wiring
- Personal computer and printer wire organization
- Protect glass tubes from abrasion and breakage
- Kink-proofing for all kinds of tubing . . . ideal for laboratories
- Eliminates lacing cord and tie offs
- Use orange spiral wrapping for protecting and identifying fiber optic cables

The Functional Part Number System Makes Ordering Easy

Spiral Wrap Part Number Description

Example T25F-C16



Color Availability

Color	Color Suffix*	Material						
		Polyethylene	Weather Resistant Polyethylene	Flame Retardant Polyethylene V2 Rating	Flame Retardant Polyethylene V0 Rating	Nylon	Weather Resistant Nylon	TEFLON‡
Natural (Clear)	Leave Blank	X		Natural Color is White	Natural Color is White	X		X
Weather Resistant Black	0		X				X	
Brown	1	X						
Red	2	X						
Orange	3	X						
Yellow	4	X						
Green	5	X						
Blue	6	X						
Purple	7	X						
Gray	8	X						
White	10	X						
Pink	16	X						
Black	20			X	X			

Blank = Not applicable
*Colors are stocked for 1/4" & 1/2" Polyethylene. Other sizes available, consult the factory.

UL94V-0 Polyethylene Spiral Wrapping and Grommet Edging

Panduit offers 94V-0 Polyethylene Spiral wrapping as a low cost, non-flammable alternative to TEFLON spiral wrapping. Use 94V-0 TEFLON where higher temperature applications are required.

UL94V-0 Polyethylene Spiral Wrapping and Grommet Edging:

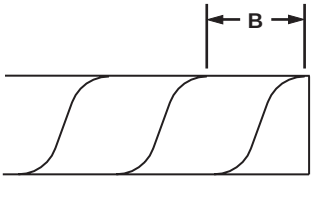
- Pass UL requirements for 94V-0 flame rating of product for all wall thickness and outside diameters of spiral wrapping and allpanel thicknesses of grommet edging.
- Pass UL requirements for 94V-0 flame rating for 1/32" thick material. This distinction is important due to the thin wall of smaller diameter spiral wrapping.

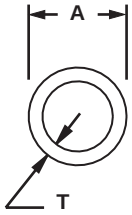
Refer to these UL 94V-0 rated polyethylene materials, easily identified on *pages 133* (spiral wrapping) and 136 (grommet edging) with suffix “FR” before part number packaging information.

‡TEFLON or equivalent fluorocarbon PTFE material is used. TEFLON is a registered trademark of E.I. DuPont Co.

Ordering Information - Spiral Wrapping

U.L. Recognized



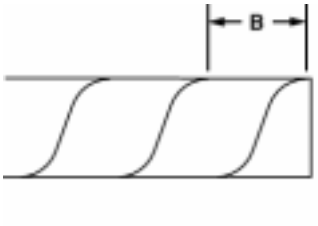


Part Number	Material	Color	A In. (mm)	B In. (mm)	T In. (mm)	Bundle Size In. (mm)	Feet Per Pkg.	Std. Pkg.*
T12F-C	Polyethylene	Natural	0.125" (3.2)	0.218" (5.5)	0.030" (.76)	1/16" (1.6) - 1/2" (12.7)	100'	
T19F-C		Natural	0.188" (4.8)	0.250" (6.4)	0.035" (0.89)	1/8" (3.2) - 1" (25.4)	100'	
T25F-X		Natural	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	10'	
T25F-X0		Black	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	10'	
T25F-C		Natural	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C1		Brown	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C10		White	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C16		Pink	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C2		Red	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C3		Orange	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C4		Yellow	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C5		Green	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C6		Blue	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C7		Purple	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25F-C8		Gray	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T38F-C		Natural	0.375" (9.5)	0.437" (11.1)	0.055" (1.4)	5/16" (7.9) - 3" (76.2)	100'	1 Roll
T50F-X		Natural	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	10'	
T50F-X0		Black	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	10'	
T50F-C		Natural	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C10		White	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C16		Pink	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C2		Red	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C3		Orange	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C4		Yellow	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C5		Green	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C6		Blue	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C7		Purple	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T50F-C8		Gray	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T62F-C		Natural	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) - 4 1/2" (114.3)	100'	
T75F-C		Natural	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) - 5" (127)	100'	
T100F-C		Natural	1" (25.4)	1.125" (28.6)	0.07" (1.78)	7/8" (22.2) - 6" (152.4)	100'	
T12F-C0	Weather Resistant Polyethylene	Black	0.125" (3.2)	0.218" (5.5)	0.030" (76)	1/16" (1.6) - 1/2" (12.7)	100'	
T19F-C0		Black	0.188" (4.8)	0.250" (6.4)	0.035" (0.89)	1/8" (3.2) - 1" (25.4)	100'	
T25F-C0		Black	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T38F-C0		Black	0.375" (9.5)	0.437" (11.1)	0.055" (1.4)	5/16" (7.9) - 3" (76.2)	100'	1 Roll
T50F-C0		Black	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) - 4" (101.6)	100'	
T62F-C0		Black	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) - 4 1/2" (114.3)	100'	
T75F-C0		Black	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) - 5" (127)	100'	
T100F-C0		Black	1" (25.4)	1.125" (28.6)	0.07" (1.78)	7/8" (22.2) - 6" (152.4)	100'	

*Order the number of rolls required.
Most commonly used parts appear in **BOLD**.

Ordering Information - Spiral Wrapping

U.L. Recognized (Except Flame Retardant Polyethylene (U.L. V0))



Part Number	Material	Color	A In. (mm)	B In. (mm)	T In. (mm)	Bundle Size In. (mm)	Feet Per Pkg.	Std. Pkg.*
T12R-C	Flame	White	0.125" (3.2)	0.218" (5.5)	0.030" (0.76)	1/16" (1.6) - 1/2"(12.7)	100'	
T19R-C	Retardant	White	0.188" (4.8)	0.250" (6.4)	0.035" (0.89)	1/8" (3.2) - 1" (25.4)	100'	
T25R-C	Polyethylene	White	0.250" (6.4)	0.375" (9.5)	0.040" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25R-C20		Black	0.250" (6.4)	0.375" (9.5)	0.040" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T38R-C		White	0.375" (9.5)	0.437" (11.1)	0.055" (1.40)	5/16" (7.9) - 3" (76.2)	100'	1 Roll
T50R-C		White	0.500" (12.7)	0.500" (12.7)	0.060" (1.50)	3/8" (9.5) - 4" (101.6)	100'	
T62R-C		White	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) - 4 1/2" (114.3)	100'	
T75R-C		White	0.750" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) - 5" (127)	100'	
T100R-C		White	1.000" (25.4)	1.125" (28.6)	0.070" (1.78)	7/8" (22.2) - 6" (152.4)	100'	
T12FR--C	Flame	White	0.125" (3.2)	0.218" (5.5)	0.030" (0.76)	1/16" (1.6) - 1/2"(12.7)	100'	
T12FR-C20	Retardant	Black	0.125" (3.2)	0.218" (5.5)	0.030" (0.76)	1/16" (1.6) - 1/2" (12.7)	100'	
T19FR-C	Polyethylene	White	0.188" (4.8)	0.250" (6.4)	0.032" (0.81)	1/8" (3.2) - 1" (25.4)	100'	
T19FR-C20	(U.L. V0)	Black	0.188" (4.8)	0.250" (6.4)	0.032" (0.81)	1/8" (3.2) - 1" (25.4)	100'	
T25FR-C		White	0.250" (6.4)	0.375" (9.5)	0.040" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25FR-C20		Black	0.250" (6.4)	0.375" (9.5)	0.040" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T38FR-C		White	0.375" (9.5)	0.437" (11.1)	0.055" (1.40)	5/16" (7.9) - 3" (76.2)	100'	
T38FR-C20		Black	0.375" (9.5)	0.437" (11.1)	0.055" (1.40)	5/16" (7.9) - 3" (76.2)	100'	
T50FR-C		White	0.500" (12.7)	0.500" (12.7)	0.060" (1.50)	3/8" (9.5) - 4" (101.6)	100'	1 Roll
T50FR-C20		Black	0.500" (12.7)	0.500" (12.7)	0.060" (1.50	3/8" (9.5) - 4" (101.6)	100'	
T62FR-C		White	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) - 4 1/2" (114.3)	100'	
T62FR-C20		Black	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) -4 1/2" (114.3)	100'	
T75FR-C		White	0.750" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) - 5" (127)	100'	
T75FR-C20		Black	0.750" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) - 5" (127)	100'	
T100FR-C		White	1.000" (25.4)	1.125" (28.6)	0.070" (1.78)	7/8" (22.2) - 6" (152.4)	100'	
T100FR-C20		Black	1.000" (25.4)	1.125" (28.6)	0.070" (1.78)	7/8" (22.2) - 6" (152.4)	100'	
T12N--C	Nylon	Natural	0.125" (3.2)	0.218" (5.5)	0.015" (0.40)	1/16" (1.6) - 1/2"(12.7)	100'	
T12N-C0		Black	0.125 (3.2)	0.218" (5.5)	0.015" (0.40)	1/16" (1.6) - 1/2" (12.7)	100'	
T19N-C	(Black Nylon is	Natural	0.188" (4.8)	0.250" (6.4)	0.020" (0.51)	1/8" (3.2) - 1" (25.4)	100'	
T19N-C0	Weather	Black	0.188" (4.8)	0.250" (6.4)	0.020" (0.51)	1/8" (3.2) - 1" (25.4)	100'	
T25N-C	Resistant)	Natural	0.25" (6.4)	0.375" (9.5)	0.040" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T25N-C0		Black	0.25" (6.4)	0.375" (9.5)	0.040" (1.02)	3/16" (4.8) - 2" (50.8)	100'	
T38N-C		Natural	0.375" (9.5)	0.437" (11.1)	0.055" (1.40)	5/16" (7.9) - 3" (76.2)	100'	
T38N-C0		Black	0.375" (9.5)	0.437" (11.1)	0.055" (1.40)	5/16" (7.9) - 3" (76.2)	100'	
T50N-C		Natural	0.5" (12.7)	0.500" (12.7)	0.060" (1.50)	3/8" (9.5) - 4" (101.6)	100'	1 Roll
T50N-C0		Black	0.5" (12.7)	0.500" (12.7)	0.060" (1.50)	3/8" (9.5) - 4" (101.6)	100'	
T62N-C		Natural	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) - 4 1/2" (114.3)	100'	
T62N-C0		Black	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) -4 1/2" (114.3)	100'	
T75N-C		Natural	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) - 5" (127)	100'	
T75N-C0		Black	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) - 5" (127)	100'	
T100N-C		Natural	1.000" (25.4)	1.125" (28.6)	0.070" (1.78)	7/8" (22.2) - 6" (152.4)	100'	
T100N-C0		Black	1.000" (25.4)	1.125" (28.6)	0.070" (1.78)	7/8" (22.2) - 6" (152.4)	100'	
T12T-C	TEFLON‡	Natural	0.125" (3.2)	0.218" (5.5)	0.020" (0.50)	1/16" (1.6) - 1/2" (12.7)	100'	
T19T-C		Natural	0.188" (4.8)	0.250" (6.4)	0.030" (0.76)	1/8" (3.2) - 1" (25.4)	100'	
T25T-L		Natural	0.250" (6.4)	0.375" (9.5)	0.030" (0.76)	3/16" (4.8) - 2" (50.8)	50'	
T38T-L		Natural	0.375" (9.5)	0.437" (11.1)	0.030" (0.76)	5/16" (7.9) - 3" (76.2)	50'	
T50T-Q		Natural	0.500" (12.7)	0.500" (12.7)	0.030" (0.76)	3/8" (9.5) - 4" (101.6)	25'	1 Roll
T62T-Q		Natural	0.625" (1'5.9)	0.625" (15.9)	0.030" (0.76)	1/2" (12.7) - 4 1/2" (114.3)	25'	
T75T-X		Natural	0.750" (19.1)	0.875" (22.2)	0.030" (0.76)	5/8" (15.9) - 5" (127)	10'	
T100T-X		Natural	1.000" (25.4)	1.125" (28.6)	0.040" (1.01)	7/8" (22.2) - 6" (152.4)	10'	

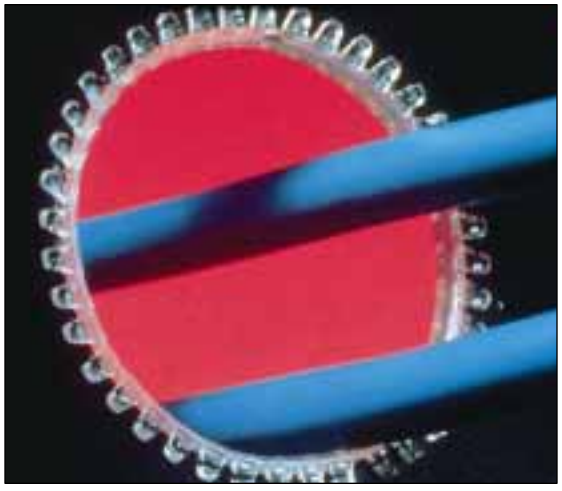
*Order the number of rolls required.
‡TEFLON or equivalent fluorocarbon PTFE material is used. TEFLON is a registered trademark of E. I. DuPont Co.
Most commonly used parts appear in **BOLD**.

Grommet Edging

Features and Benefits

- Use low cost polyethylene UL94V-0 flame retardant grommet edging for those areas where flammability is a concern.
- Nylon grommet edging strips conform to the Military Standard MS21266

Grommet Edging Suggested Applications



- Use the slotted wall in irregularly shaped and round panel holes.
- Use the solid wall product on straight edges

The Functional Part Number System Makes Ordering Easy

Grommet Edging Part Number Description

Example: GEE36F-A-C0

Part Description	Max. Panel Thickness	Material	Adhesive	Package Size	Color Suffix
G.Edging/Strips = GE G.Edging/Slotted = GEE G. Edging/Solid = GES	Ex. 36 = .036" thickness 62 = .062" thickness	F = Polyethylene FR = V0 Flame Retardant N = Nylon	A = Rubber Based	Q = 25' L = 50' C = 100'	0 = Weather Resistant Black Leave Blank = Natural

PANDUIT Grommet Edging

- Protects and insulates wires and cables from chafing against sharp edges

Choose from four materials:

1) Nylon

- Self extinguishing
- For indoor use up to 149°F (65°C)

2) Polyethylene

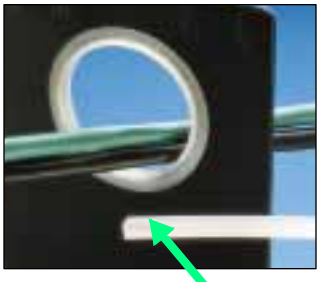
- General purpose material for indoor use up to 122°F (50°C).
- Style GEE and GES provided in .030" (0.8) thick material, making them highly flexible
- Available with slotted or solid wall construction

3) Weather Resistant Polyethylene

- For outdoor use up to 122°F (50°C)
- Excellent resistance to acid rain and ultraviolet light

4) Flame Retardant Polyethylene

- UL94V-0 rated material
- Will not support a flame
- Available with slotted or solid wall construction



5) Adhesive Lined Polyethylene

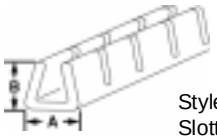
- Base is lined with a pressure sensitive adhesive
- Available in natural and weather resistant
- Adhesive ensures that the product will stay where it is installed

Ordering Information—Grommet Edging

PANDUIT® Part Number	Material	Color	Panel Thickness In. (mm)	Dimensions—In. (mm) A	Dimensions—In. (mm) B	Feet Per Pkg.*	Std. Pkg.
GEE36F-C	Continuous Polyethylene (Slotted Wall)	Natural	.026" (.7) - .036" (.9)	.106" (2.7)	.117" (3.0)	100'	1 Roll
GEE36F-C0		Black	.026" (.7) - .036" (.9)	.106" (2.7)	.117" (3.0)	100'	
GEE62F-C		Natural	.036" (.9) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GEE62F-C0		Black	.036" (.9) -.062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GEE99F-C		Natural	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GEE99F-C0		Black	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GEE144F-C		Natural	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GEE144F-C0		Black	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GES36F-C	Continuous Polyethylene (Solid Wall)	Natural	.026" (.7) - .036" (.9)	.106" (2.7)	.117" (3.0)	100'	1 Roll
GES36F-C0		Black	.026" (.7) - .036" (.9)	.106" (2.7)	.177" (3.0)	100'	
GES62F-C		Natural	.036" (.9) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GES62F-C0		Black	.036" (.9) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GES99F-C		Natural	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GES99F-C0		Black	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GES144F-C		Natural	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GES144F-C0		Black	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GES189F-C		Natural	.144" (3.7) - .189" (4.8)	.297" (7.6)	.301" (7.7)	100'	
GES189F-C0		Black	.144" (3.7) - .189" (4.8)	.297" (7.6)	.301" (7.7)	100'	
GEE62F-A-C	Continuous Polyethylene With ADHESIVE (Slotted Wall)	Natural	.026" (.7) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	1 Roll
GEE62F-A-C0		Black	.026" (.7) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GEE99F-A-C		Natural	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GEE99F-A-C0		Black	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GEE144F-A-C		Natural	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GEE144F-A-C0		Black	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GES62F-A-C	Continuous Polyethylene With ADHESIVE (Solid Wall)	Natural	.026" (.7) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	1 Roll
GES62F-A-C0		Black	.026" (.7) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GES99F-A-C		Natural	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GES99F-A-C0		Black	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GES144F-A-C		Natural	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GES144F-A-C0		Black	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GEE36FR-C	UL V0 Flame Retardant Polyethylene Slotted Wall	Natural	.026" (.7) - .036" (.9)	.106" (2.7)	.117" (3.0)	100'	1 Roll
GEE62FR-C		Natural	.036" (.9) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GEE99FR-C		Natural	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GEE144FR-C		Natural	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GES36FR-C	UL V0 Flame Retardant Polyethylene Solid Wall	Natural	.026" (.7) - .036" (.9)	.106" (2.7)	.117" (3.0)	100'	1 Roll
GES62FR-C		Natural	.036" (.9) - .062" (1.6)	.131" (3.3)	.160" (4.1)	100'	
GES99FR-C		Natural	.062" (1.6) - .099" (2.5)	.169" (4.3)	.186" (4.7)	100'	
GES144FR-C		Natural	.099" (2.5) - .144" (3.7)	.213" (5.4)	.222" (5.6)	100'	
GE52-C	Military Standard MS21266 12.75" Nylon Strips ** (-69 designates Flame Retardant)†	Natural	.015" (.4) - .052" (1.3)	.150" (3.8)	.155" (3.9)	100	Strips
GE52-C69†		Natural	.015" (.4) - .052" (1.3)	.150" (3.8)	.155" (3.9)	100	
GE85-C		Natural	.052" (1.3) - .085" (2.2)	.175" (4.5)	.155" (3.9)	100	
GE85-C69†		Natural	.052" (1.3) - .085" (2.2)	.175" (4.5)	.155" (3.9)	100	
GE128-C		Natural	.085" (2.2) - .128" (3.3)	.220" (5.6)	.155" (3.9)	100	
GE128-C69†		Natural	.085" (2.2) - .128" (3.3)	.220" (5.6)	.155" (3.9)	100	
GE192-L		Natural	.128" (3.3) - .192" (4.9)	.325" (8.3)	.230" (5.8)	50	
GE192-L69†		Natural	.128" (3.3) - .192" (4.9)	.325" (8.3)	.230" (5.8)	50	
GE255-L		Natural	.192" (4.9) - .255" (6.5)	.385" (9.8)	.240" (6.1)	50	
GE318-L		Natural	.255" (6.5) - .318" (8.1)	.455" (11.3)	.255" (6.5)	50	
GE380-Q		Natural	.318" (8.1) - .380" (9.7)	.515" (13.1)	.255" (6.5)	25	
GE510-Q		Natural	.380" (9.7) - .510" (13.0)	.640" (16.3)	.255" (6.5)	25	
GEE47N-C	Continuous Nylon Slotted Wall	Natural	.020" (.5) - .047" (1.2)	.130" (3.3)	.140" (3.5)	100'	1 Roll
GEE55N-C		Natural	.047" (1.2) - .055" (1.4)	.133" (3.4)	.140" (3.5)	100'	
GEE71N-C		Natural	.055" (1.4) - .071" (1.8)	.150" (3.8)	.140" (3.5)	100'	
GEE98N-C		Natural	.071" (1.8) - .098" (2.5)	.180" (4.6)	.140" (3.5)	100'	
GEE134N-C		Natural	.098" (2.5) - .134" (3.4)	.210" (5.3)	.140" (3.5)	100'	

*Order the number of rolls required or the number of strips required for style GE Grommet Edging.
**Military Standard Nylon Strips (GE Series), order the number of pieces required in multiples of Std. Pkg. Qty.
†This material is not listed under Military Standard MS21266.
Most commonly used parts appear in **BOLD**.

Polyethylene



Style GEE Slotted Wall

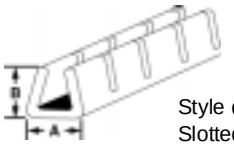
Continuous (100 Ft.) Rolls

Polyethylene

Style **GES** Solid Wall

Continuous (100 Ft.) Rolls

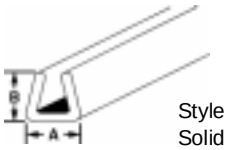
Adhesive Lined Polyethylene



Style **GEE-A** Slotted Wall

Continuous (100 Ft.) Rolls

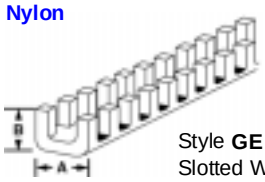
Adhesive Lined Polyethylene



Style **GES-A** Solid Wall

Continuous (100 Ft.) Rolls

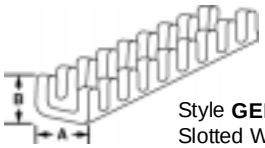
Nylon



Style **GE** Slotted Wall

12 3/4" strips

Nylon



Style **GEE** Slotted Wall

Continuous (100 Ft.) Rolls

Use this table as a guide to determine ***PANDUIT*** Grommet Edging Sizes. The common sheet metal dimensions listed below are based on the "Manufacturers Standard Gauge for Steel.

Grommet Edging Military Cross-Reference	
GE52-C	MS21266-1N
GE85-C	MS21266-2N
GE128-C	MS21266-3N
GE192-L	MS21266-4N
GE255-L	MS21266-5N
GE318-L	MS21266-6N
GE380-Q	MS21266-7N
GE510-Q	MS21266-8N

Gauge	Manufacturer Standard Gauge for Steel (In.)
5	0.2092
6	0.1943
7	0.1793
8	0.1644
9	0.1495
10	0.1345
11	0.1196
12	0.1046
13	0.0897

Gauge	Manufacturer Standard Gauge for Steel (In.)
14	0.0747
15	0.0673
16	0.0598
17	0.0538
18	0.0478
19	0.0418
20	0.0359
21	0.0329
22	0.0299

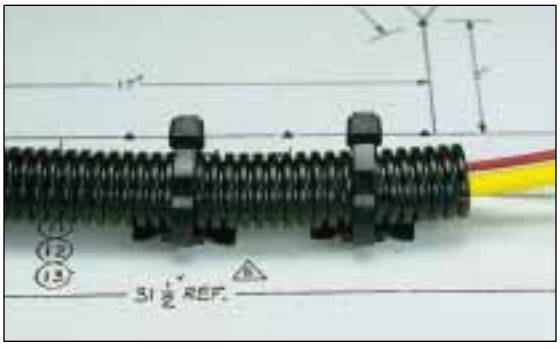
Gauge	Manufacturer Standard Gauge for Steel (In.)
23	0.0269
24	0.0239
25	0.0209
26	0.0179
27	0.0164
28	0.0149
29	0.0135
30	0.0120

Corrugated Loom Tubing

- ***PANDUIT*** Corrugated Loom Tubing is offered for applications where spiral wrap or braided expandable sleeving may be difficult to install or where they do not offer the amount of protection required.
- Available in Nylon or Polyethylene, this product features a lengthwise slit which makes it easy to install onto a bundle of wires or a pre-assembled harness assembly.

Features and Benefits

- Protects and reduces the risk of damage to wiring
- Crush, impact and abrasion resistant
- Slit wall design for ease of installation
- Available in easy to handle 100' lengths
- Available in black and orange polyethylene and black heat stabilized nylon
- Hold in place with push type cable ties, adhesive or push type mounts



Corrugated Loom Tubing Suggested Applications

- Bundle wires in control panels
- Contain and organize loose and bundled wiring harnesses
- Route wires in automotive, truck, trailer, bus, conversion van, emergency service and recreational vehicle applications
- Protect wires in off road/mobile equipment
- Use in mining equipment
- Marine applications for protecting wires on boats and ships

Cutting Tool

- The ease of cutting ***PANDUIT*** Corrugated Loom Tubing further reduces your total installed cost.
- Slices through for clean, burr-free edges
- Rugged, ratchet action cuts, leaving a smooth edge

Part #	Description	Std. Pkg. Qty.
SRT	Used with corrugated loom tubing and ***PANDUIT*** Type P, L, C, TM and U Surface Raceway	1

Order the number of tools required.

Corrugated Loom Tubing

PANDUIT Corrugated Loom Tubing is for applications where spiral wrap or braided expandable sleeving may be difficult to install or where they do not offer the amount of protection required.

Corrugated Loom Tubing is available in Polyethylene or Heat Stabilized Nylon.

The Functional Part Number System Makes Ordering Easy

Corrugated Loom Tubing Part Number Description

Example: CLT100N-C630

Part Description
CLT = Corrugated Loom Tubing - Slit Wall
CLTS = Corrugated Loom Tubing - Solid Wall

Bundle Diameter
25 = 1/4"
35 = 5/16"
38 = 3/8"
50 = 1/2"
62 = 5/8"
75 = 3/4"
100 = 1"
125 = 1 1/4"
150 = 1 1/2"

Material
N = Heat Stabilized Nylon (Available in black only)
F = Polyethylene

Package Size
L = 50'
C = 100'
D = 500'

Color Suffix
3 = Orange
20 = Black
630 = Heat Stabilized Black Nylon

Ordering Information—Corrugated Loom Tubing

PANDUIT® Part Number		Material	Color	Inside Diameter	Outside Diameter	Feet Per Pkg.*	Pkg. Qty.
Slit	Solid						
CLT25F-C20	CLTS25F-C	Polyethylene	Black	.265" (6.7)	.390" (9.9)	100'	1 Roll
CLT35F-C20	CLTS35F-C		Black	.350" (8.9)	.500" (12.7)	100'	
CLT38F-C20	CLTS38F-C		Black	.414" (10.5)	.556" (14.1)	100'	
CLT50F-C20	CLTS50F-C		Black	.505" (12.8)	.670" (17.0)	100'	
CLT62F-C20	CLTS62F-C		Black	.665" (16.9)	.830" (21.1)	100'	
CLT75F-C20	CLTS75F-C		Black	.760" (19.3)	.935" (23.7)	100'	
CLT100F-C20	CLTS100F-C		Black	.915" (23.2)	1.090" (27.7)	100'	
CLT125F-L20	CLTS125F-L		Black	1.290" (32.8)	1.500" (38.1)	50'	
CLT150F-D20	CLTS150F-D		Black	1.550" (39.1)	1.860" (47.2)	500'	
CLT25F-C3	CLTS25F-C3	Polyethylene	Orange	.265" (6.7)	390" (9.9)	100'	1 Roll
CLT35F-C3	CLTS35F-C3		Orange	.350" (8.9)	.500" (12.7)	100'	
CLT38F-C3	CLTS38F-C3		Orange	.414" (10.5)	.556" (14.1)	100'	
CLT50F-C3	CLTS50F-C3		Orange	.505" (12.8)	.670" (17.0)	100'	
CLT62F-C3	CLTS62F-C3		Orange	.665" (16.9)	.830" (21.1)	100'	
CLT75F-C3	CLTS75F-C3		Orange	.760" (19.3)	.935" (23.7)	100'	
CLT100F-C3	CLTS100F-C3		Orange	.915" (23.2)	1.090" (27.7)	100'	
CLT125F-L3	CLTS125F-L3		Orange	1.290" (32.8)	1.500" (38.1)	50'	
CLT150F-D3	CLTS150F-D3		Orange	1.550" (39.1)	1.860" (47.2)	500'	
CLT25N-C630	CLTS25N-C	Heat Stabilized Black Nylon	Black	.265" (6.7)	.390" (9.9)	100'	1 Roll
CLT35N-C630	CLTS35N-C		Black	.350" (8.9)	.500" (12.7)	100'	
CLT38N-C630	CLTS38N-C		Black	.414" (10.5)	.556" (14.1)	100'	
CLT50N-C630	CLTS50N-C		Black	.505" (12.8)	.670" (17.0)	100'	
CLT62N-C630	CLTS62N-C		Black	.665" (16.9)	.830" (21.1)	100'	
CLT75N-C630	CLTS75N-C		Black	.760" (19.3)	.935" (23.7)	100'	
CLT100N-C630	CLTS100N-C		Black	.915" (23.2)	1.090" (27.7)	100'	
CLT125N-L630	CLTS125N-L		Black	1.290" (32.8)	1.500" (38.1)	50'	
CLT150N-D630	CLTS150N-D		Black	1.550" (39.1)	1.860" (47.2)	500'	

*Order the number of rolls required.
Contact factory for additional sizes, materials, colors, and bulk packaging.

Braided Expandable Sleeving—Polyethylene Terephthalate—PET

- Provides continuous abrasion resistance for wires, cables and tubing
- Lightweight, durable protection
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Allows for use with irregular shapes
- Stock colors: Black, gray, white and clear
- Sleeving cutting methods available. Contact factory for details

U. L. Recognized
FILE: E116868

CERTIFIED

The Functional Part Number System Makes Ordering Easy

Braided Expandable Sleeving Part Number Description

Example: SE25PFR-MR0

Part Description	Nom. I.D. Size	Material	Package Size	R = Reel	Color Suffix
Sleeving Expandable	12 = 1/8" (3.2) 25 = 1/4" (6.4) 38 = 3/8" (9.5) 50 = 1/2" (12.7) 75 = 3/4" (19.1) 125 = 1 1/4" (31.8) 150 = 1 1/2" (38.1) 175 = 1 3/4" (44.5)	P = Polyethylene Terephthalate (PET) PFR = Polyethylene Terephthalate (Flame Retardant PET)	L = 50' C = 100' T = 200' D = 500' M = 1000'		0 = Black 8 = Gray 10 = White

Ordering Information Braided Expandable Sleeving

Part Number Black	Part Number Gray	Part Number White	Nominal I.D. Inches (mm)	Nominal Diameter Range Inches (mm)	Standard Package Quantity*	Standard Carton Quantity
SE12P-TR0 **SE12P-MR0**	SE12P-TR8 SE12P-MR8	— SE12P-MR10	.125" (3.2)	.094" to .250" (2.4) to (6.4)	1 Reel 200' (61.0M) 1 Reel 1000' (304.8M)	4 Reels 2 Reels
SE25P-TR0 **SE25P-MR0**	SE25P-TR8 SE25P-MR8	— SE25P-MR10	.250" (6.4)	.125" to .375" (3.2) to (9.5)	1 Reel 200' (61.0M) 1 Reel 1000' (304.8M)	4 Reels 2 Reels
SE38P-TR0 **SE38P-MR0**	SE38P-TR8 SE38P-MR8	— SE38P-MR10	.375" (9.5)	.188" to .562" (4.7) to (14.3)	1 Reel 200' (61.0M) 1 Reel 1000' (304.8M)	4 Reels 2 Reels
SE50P-CR0 **SE50P-DR0**	SE50P-CR8 SE50P-DR8	— SE50P-DR10	.500" (12.7)	.250" to .750" (6.4) to (19.1)	1 Reel 100' (30.5M) 1 Reel 500' (152.4M)	4 Reels 2 Reels
SE75P-CR0 **SE75P-DR0**	SE75P-CR8 SE75P-DR8	— SE75P-DR10	.750" (19.1)	.500" to 1.25" (12.7) to (31.8)	1 Reel 100' (30.5M) 1 Reel 500' (152.4M)	4 Reels 2 Reels
SE125P-LR0 **SE125P-TR0**	SE125P-LR8 SE125P-TR8	— SE125P-TR10	1.25" (31.8)	.750" to 1.50" (19.1) to (38.1)	1 Reel 50' (15.2M) 1 Reel 200' (61.0M)	4 Reels 2 Reels
SE150P-LR0 **SE150P-TR0**	SE150P-LR8 SE150P-TR8	— SE150P-TR10	1.50" (38.1)	1.00" to 2.25" (25.4) to (57.2)	1 Reel 50' (15.2M) 1 Reel 200' (61.0M)	4 Reels 2 Reels
— SE175P-TR0	— —	— —	1.75" (44.5)	1.25" to 2.75" (31.8) to (69.8)	— 1 Reel 200' (61.0M)	— 2 Reels

*Order number of reels required in multiples of Std. Ctn. increments.
Most commonly used parts appear in **BOLD**.

Braided Expandable Sleeving—Flame Retardant Polyethylene Terephthalate—PET

- Provides continuous abrasion resistance for wires, cables and tubing
- Lightweight, durable protection
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Allows for use with irregular shapes
- Self extinguishing, meets UL VW-1
- Provided in black or gray with white tracer, or in white with black tracer to identify flame retardant material

U.L. Recognized
FILE: E116868

CERTIFIED

Ordering Information Flame Retardant Braided Expandable

Part Number Black	Part Number Gray	Part Number White	Nominal I.D. Inches (mm)	Nominal Diameter Range Inches (mm)	Standard Package Quantity*	Standard Carton Quantity
SE12PFR-TR0 **SE12PFR-MR0**	SE12PFR-TR8 SE12PFR-MR8	— SE12PFR-MR10	.125" (3.2)	.094" to .250" (2.4) to (6.4)	1 Reel 200' (61.0M) 1 Reel 1000' (304.8M)	4 Reels 2 Reels
SE25PFR-TR0 **SE25PFR-MR0**	SE25PFR-TR8 SE25PFR-MR8	— SE25PFR-MR10	.250" (6.4)	.125" to .375" (3.2) to (9.5)	1 Reel 200' (61.0M) 1 Reel 1000' (304.8M)	4 Reels 2 Reels
SE38PFR-TR0 **SE38PFR-MR0**	SE38PFR-TR8 SE38PFR-MR8	— E38PFR-MR10	.375" (9.5)	.188" to .562" (4.7) to (14.3)	1 Reel 200' (61.0M) 1 Reel 1000' (304.8M)	4 Reels 2 Reels
SE50PFR-CR0 **SE50PFR-DR0**	SE50PFR-CR8 SE50PFR-DR8	— **SE50PFR-DR10**	.500" (12.7)	.250" to .750" (6.4) to (19.1)	1 Reel 100' (30.5M) 1 Reel 500' (152.4M)	4 Reels 2 Reels
SE75PFR-CR0 **SE75PFR-DR0**	SE75PFR-CR8 SE75PFR-DR8	— SE75PFR-DR10	.750" (19.1)	.500" to 1.25" (12.7) to (31.8)	1 Reel 100' (30.5M) 1 Reel 500' (152.4M)	4 Reels 2 Reels
SE125PFR-LR0 **SE125PFR-TR0**	SE125PFR-LR8 SE125PFR-TR8	— SE125PFR-TR10	1.25" (31.8)	.750" to 1.50" (19.1) to (38.1)	1 Reel 50' (15.2M) 1 Reel 200' (61.0M)	4 Reels 2 Reels
SE150PFR-LR0 **SE150PFR-TR0**	SE150PFR-LR8 SE150PFR-TR8	— SE150PFR-TR10	1.50" (38.1)	1.00" to 2.25" (25.4) to (57.2)	1 Reel 50' (15.2M) 1 Reel 200' (61.0M)	4 Reels 2 Reels
— SE175PFR-TR0	— —	— —	1.75" (44.5)	1.25" to 2.75" (31.8) to (69.8)	— 1 Reel 200' (61.0M)	— 2 Reels

*Order number of reels required. Heavy Duty Braided Expandable Sleeving and Acrylic Coated Fiberglass Insulation Sleeving are available.
Most commonly used parts appear in **BOLD**.See ***PAN-SHRINK***™ Heat Shrink and Abrasion Protection Products Catalog, SA101N48D.

Sleeving Cutter/ End Sealer Blades

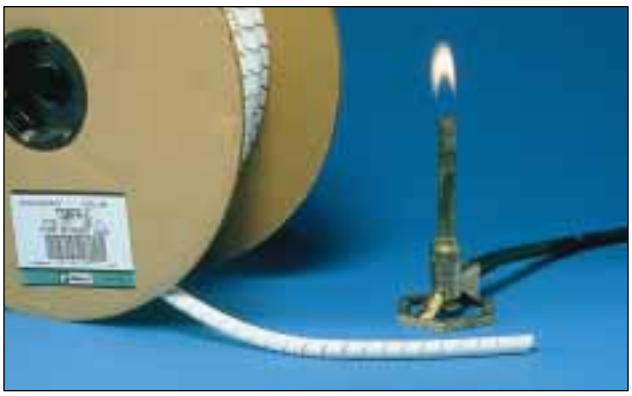
Part Number	Description	Pkg. Qty.
HKBS	For Dual Straight Shank Soldering Guns with .500" Spacing	1
	Typical Guns: WELLER Straight Shank Model 8200; WEN Model 199 or 100* (*Replace Tip Holding Screws with (2) Screws included)	

Order the number of packages required.

Bench Mount Cutter/ End Sealer Available Directly from Manufacturer

Pearson Industries P.O.
Box 36
Prattville, AL 36067
(334) 365-5416

Abrasion Protection Products Flammability Tests and Classifications



- A number of test procedures has been developed which can be used for the evaluation and comparison of various materials to support combustion.
- Review the following classifications to find which category is designed to suit your abrasion and protection applications.

UL94 Vertical Burning Test

Samples of a material, with dimensions 5" by 1/2" and the thickness of the intended end use product, are tested in an unaged “as manufactured” state and in an aged state (7 days at 158°F, 70°C). The test requires the placement of a precisely controlled flame under a vertically supported specimen for a 10 second period. The flame is removed and the duration of flaming is recorded. If the flame extinguishes, the specimen is immediately subjected to a second 10 second ignition period. Duration of flaming is again recorded. A piece of surgical cotton is placed under the specimen. If drips ignite the cotton, this fact is also recorded.

Materials Classified 94V-0

Materials classified 94V-0 shall:

- Not have any specimens which burn with flaming combustion for more than 10 seconds after either application of the test flame.
- Not have a total flaming combustion time exceeding 50 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Not have any specimens which drip flaming particles that ignite the dry absorbent surgical cotton located 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 30 seconds after the second removal of the test flame.

Materials Classified 94V-1

Materials classified 94V-1 shall:

- Not have any specimens which burn with flaming combustion for more than 30 seconds after either application of the test flame.
- Not have a total flaming combustion time exceeding 250 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Not have any specimens which drip flaming particles that ignite the dry absorbent surgical cotton located 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 60 seconds after the second removal of the test flame.

(Continued on following page)

Abrasion Protection Products Flammability Tests and Classifications (cont.)

Materials Classified 94V-2

Materials classified 94V-2 shall:

- Not have any specimens which burn with flaming combustion for more than 30 seconds after either application of the test flame.
- Not have a total flaming combustion time exceeding 250 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Be permitted to have specimens which drip flaming particles which burn only briefly some of which ignite the dry absorbent surgical cotton located 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 60 seconds after the second removal of the test flame.

Materials Classified UL-94 HB

- Specimens shall have a maximum burn rate of 1.5 in/min over 3 inches of a thickness of 0.120" to 0.5".
- Specimens shall have a maximum burn rate of 2.5 in/min over 3 inches for a thickness less than 0.120".

Material Descriptions

Natural Polyethylene

Our lowest cost material for indoor use up to 122°F. Natural is available in all sizes. Colors are available in 1/4" and 1/2".

Weather Resistant Polyethylene

This material has the sameproperties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.

Flame Retardant Polyethylene UL94-V2 Rating

This material is self extinguishing and passes the UL94 flame retardant test with a V2 rating (see above).

Flame Retardant Polyethylene UL94-V0 Rating

This material is self extinguishing and passes the UL94 flame retardant test with a V0 rating (see previous page).

Nylon

Our Nylon is strong, durable, self-extinguishing material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.

Weather Resistant Nylon

This material has the same properties as natural Nylon and also has additives which allow it to resist the effects of ultraviolet light in an outdoor environment. This product is available in black only.

TEFLON‡

This material is a non-flammable, fluorocarbon resin material. Suitable for use in any application (including nuclear containment). It is rated up to 356°F. Color: Natural with a bluish cast.

Polyethylene Terephthalate (PET)

This material is a thermoplastic polyester material designed for indoor applications. It is rated for use up to 257°F. Colors: Black, White and Gray.

Flame Retardant Polyethylene Terephthalate (PET)

This material is a self-extinguishing thermoplastic polyester that can be used indoors. It is also rated for use up to 257°F and is provided in black with white tracer (to identify the flame retardant material).

Natural Polyethylene

Our lowest cost material is for continuous use at temperatures -40°F (-40°C) to 176°F (80C).

Nylon

Nylon is a strong, durable, high abrasion resistant material for continuous use at temperatures

‡Teflon or equivalent fluorocarbon PTFE is used. Teflon is the registered trademark of E. I. DuPont.

Abrasion Protection Products Technical Data

	See Previous Page for Material Descriptions	Ratings and Approvals: Temperatures: UL Index	Flam-mability (UL94)	Melting	Physical Properties: Abrasion Resistance (Lower number is better)	Specific Gravity (D792)	Minimum Tensile @ 23°C (psi)	Water Absorption (Max. 24 hrs.)	Chemical Resistance: Organic Solvents	Alkalies	Acids	Petro-Chemicals
SPIRAL WRAPPING & GOMET EDGING	**Natural Polyethylene**	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	.91 - .93	1400 (D638)	.01%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Weather Resistant Polyethylene	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	20 mg	.93 - 1.09	2000 (D638)	.03%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	No Discoloration
	Flame Retardant Polyethylene - UL94-V2 Rating	-40°F (-40°C) to 122°F (50°C)	V-2	239°F (115°C)	27 mg	1.00 - 1.30	1400 (D638)	.02%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Flame Retardant Polyethylene - UL94-V0 Rating	-40°F (-40°C) to 140°F (60°C)	V-0	270°F (132°C)	22 mg	1.38	1200	.02%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Nylon	-40°F (-40°C) to 149°F (65°C)	V-2	491°F (255°C)	7 mg	1.03 - 1.15	12,400 (D638)	1.5%	Resistant except to phenols and formic acid	Resistant	Resistant to most weak acids	No Discoloration
	Weather Resistant Nylon	-40°F (-40°C) to 149°F (65°C)	V-2	491°F (255°C)	7 mg	1.03 - 1.15	12,400 (D638)	1.5%	Resistant except to phenols and formic acid	Resistant	Resistant to most weak acids	No Discoloration
	TEFLON‡	-40°F (-40°C) to 365°F (180°C)	V-0	520°F (271°C)	7 mg	2.10 - 2.20	2500 (D638)	.01%	Resistant		Resistant except to fluorine and some halogens	No Discoloration
SLEEVING	**Polyethylene Terephthalate (PET)**	-94°F (-70°C) to 257°F (125°C)	HB	500°F (260°C)	Contact Factory	1.31	100,000 (D638)	.08%	Not Recommended		Resistant	No Discoloration
	Flame Ret. Polyethylene Terephthalate (PET)	-94°F (-70°C) to 257°F (125°C)	U.L. 224: VW-1	445°F (230°C)	Contact Factory	1.39	37,500 (D638)	.08%	Not Recommended		Resistant	No Discoloration
CLT	**Natural Polyethylene**	N/A	HB	Contact Factory	Contact Factory	.926-.940	1529 (D638)	Contact Factory	Excellent	Excellent	Excellent	Good
	Nylon	N/A	HB	437°F (225°C)	Contact Factory	1.06-1.16	10,000 (D638)	Contact Factory	Excellent	Good	Fair	Good

† NOTE: Typical operating temperature ranges are extended based on end use application and specific environmental tests.

‡Teflon or equivalent fluorocarbon PTFE is used. Teflon is the registered trademark of E. I. DuPont.

PANDUIT® Cable Ties/Wiring Accessories Table of Contents

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PAN-SHRINK™ Catalog
SA# 101N48E-AIS

PANDUIT® ***DRY-SHRINK***™, ***DAMP-SHRINK***™ **and *WET-SHRINK***™
Heat Shrink and Abrasion Protection Products

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PANDUIT DRY-SHRINK™, DAMP-SHRINK™ and WET-SHRINK™
Heat Shrink & Abrasion Protection Products

PANDUIT ® DRY-SHRINK, DAMP-SHRINK and *WET-SHRINK* Heat Shrink Tubing provide an economical and easy way to insulate, protect, harness and identify electrical and electronic components in a wide variety of applications.

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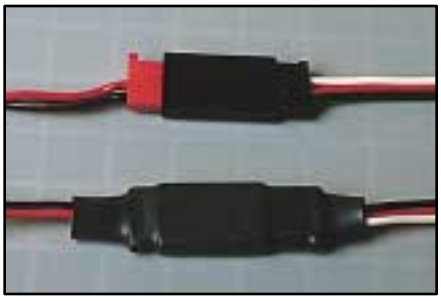
IDENTIFY

PROTECT



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PANDUIT® Heat Shrink Tubing — Heat Shrink Tubing Quick Selection Guide

Quick reference for *PANDUIT* Heat Shrink Tubing for specific location applications

CHARACTERISTICS	DRY SHRINK HEAT SHRINK								DAMP SHRINK HEAT SHRINK			WET SHRINK HEAT SHRINK	
	HSTT	HSTTV	HSTTR	HSTTN	HSTTK	HSTTT	HSTTT4X	HSTTF	HSTTP	HSTTVA	HSTTRA	HSTTA	HST
U.L. Listed													X
UL Recognized	X‡	X			X				X				
CSA Certified	X‡	X							X				X**
VW-1 Rated		X			X				X				
Very Flexible		X		X									
Flexible	X								X	X		X	
Semi-Rigid			X		X	X	X	X			X		X
Thin Wall	X	X	X	X	X	X	X	X	X	X	X	X	
Thick Wall													X
Cross-Linked Material	X	X	X	X	X				X	X	X	X	X
Colors Available	X	X											X*
High Shrink Ratio							4:1				2.5:1	3:1	3:1
Flame Retardant	X‡	X	X	X	X	X	X	X	X	X	X	X	X
Adhesive Lined (Dual Wall)										X	X	X	X
Meets Military Specification	X	X	X	X	X	X	X	X		X	X	X	X
Below Ground Application													X
High Temp Applications (>250ºF)					X	X	X	X					
Highly Chemical Resistant					X	X	X	X					
Low Coefficient of Friction						X	X	X					
Custom Cut Lengths	X	X	X	X	X	X	X	X	X	X	X	X	X
Standard 6" pieces	X	X								X		X	
Standard 4' lengths	X	X	X		X	X	X	X		X	X	X	X
Small 25' Reels	X	X		X					X				
Large Reels	X	X		X					X				
IP Rating	62	62	62	62	62	—	—	—	62	66	66	66	68
Found on Page. . .	4-10	11-13	14	16	19	17	17	18	15	20	22	21	23

See *page 29* for IP Technical information

* Black/Red **Except red ‡Except Clear

Thin Wall Heat Shrink Part Number System

HSTT 12 - 48 - Q 10

Type
- HSTT - Thin Wall
- HSTTD - Thin Wall Display
- HSTTV - Thin Wall VW-1
- HSTTR - Thin Wall Semi-Rigid
- HSTTN - Thin Wall Neoprene
- HSTTK - Thin Wall KYNAR▲
- HSTTT - Thin Wall TFE TEFLON■
- HSTTT4X - Thin Wall TEFLON■ 4:1 Ratio
- HSTTF - Thin Wall TEFLON■ FEP
- HSTTP - Thin Wall PVC
- HSTTVA - Flexible Adhesive Lined
- HSTTRA - Semi-Rigid Adhesive Lined
- HSTTA - Thin Wall Adhesive Lined

Expanded Diameter
- 05 • 3/64" (1.2mm)
- 06 • 1/16" (1.6mm)
- 09 • 3/32" (2.4mm)
- 12 • 1/8" (3.2mm)
- 19 • 3/16" (4.8mm)
- 25 • 1/4" (6.4mm)
- 38 • 3/8" (9.5mm)
- 50 • 1/2" (12.7mm)
- 75 • 3/4" (19.0mm)
- 100 • 1" (25.4mm)
- 150 • 1-1/2" (38.1mm)
- 200 • 2" (50.5mm)
- 300 • 3" (76.2mm)
- 400 • 4" (101.6mm)

Tube Length
- 48" (1.2M)
- NONE • REEL

Package Quantity
(If Tube Length Specified)
- 2 • 2 Pcs.
- 5 • 5 Pcs.
- Q • 25 Pcs.
- LQ • 75 Pcs.
- CQ • 125 Pcs.
- T • 200 Pcs.
- TL • 250 Pcs.

Reels (If No Tube Length Specified)
- Q • 25' (7.6M)
- L • 50' (15.2M)
- C • 100' (30.5M)
- T • 200' (61.0M)
- D • 500' (152.4M)
- M • 1000' (304.8M)

Color
- NONE • Black
- C • Clear
- 2 • Red
- 4 • Yellow
- 5 • Green
- 6 • Blue
- 10 • White
- 45 • Yellow/Green

For Standard Packages containing 6" lengths, refer to individual pages for complete part number offering.
Note: The above information is to be used as a guide. For specific part number offerings review individual pages for verification.

▲KYNAR is a registered trademark of ELF Atochem ■TEFLON is a registed trademark of E.I. DuPont Co.

HSTT Heat Shrink in 4' (1.2M) Pieces and Reels

- General purpose heat shrink tubing for dry locations
- Applications include insulating, protecting, harnessing and identifying wires

DRY SHRINK™ HEAT SHRINK

IP62

(Except Clear)

(Except Clear)

Ordering Information — HSTT in Bulk Packages — Large Reels and 4' (1.2M) Pcs. (3/64" to 3/4" Expanded I.D.)

Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Bulk Pkg. Qty.*	Bulk Ctn. Qty.	Black
3/64"	.046" (1.2)	.023" (0.6)	.016" (0.4)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	25 Pcs. 250 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT05-48-Q** **HSTT05-48-TL** **HSTT05-C** **HSTT05-M**
1/16"	.063" (1.6)	.031" (0.8)	.017" (0.4)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	25 Pcs. 250 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT06-48-Q** **HSTT06-48-TL** **HSTT06-C** **HSTT06-M**
3/32"	.093" (2.4)	.046" (1.2)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	25 Pcs. 250 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT09-48-Q** **HSTT09-48-TL** **HSTT09-C** **HSTT09-M**
1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	25 Pcs. 250 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT12-48-Q** **HSTT12-48-TL** **HSTT12-C** **HSTT12-M**
3/16"	.187" (4.8)	.093" (2.4)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	25 Pcs. 250 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT19-48-Q** **HSTT19-48-TL** **HSTT19-C** **HSTT19-M**
1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M) 1 Reel, 500' (152.4M)	25 Pcs. 250 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT25-48-Q** **HSTT25-48-TL** **HSTT25-C** **HSTT25-D**
3/8"	.375" (9.5)	.187" (4.8)	.025" (0.6)	4' (1.2M) 4' (1.2M) 1 Reel 100' (30.5M) 1 Reel, 200' (61.0M)	25 Pcs. 250 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT38-48-Q** **HSTT38-48-TL** **HSTT38-C** **HSTT38-T**
1/2"	.500" (12.7)	.250" (6.4)	.025" (0.6)	4' (1.2M) 4' (1.2M) 1 Reel 100' (30.5M) 1 Reel, 200' (61.0M)	25 Pcs. 200 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT50-48-Q** **HSTT50-48-T** **HSTT50-C** **HSTT50-T**
3/4"	.750" (19.0)	.375" (9.5)	.030" (0.8)	4' (1.2M) 4' (1.2M) 1 Reel 100' (30.5M) 1 Reel, 200' (61.0M)	5 Pcs. 125 Pcs. 1 Reel 1 Reel	— — 10 Reels 2 Reels	**HSTT75-48-5** **HSTT75-48-CQ** **HSTT75-C** **HSTT75-T**

*Order in multiples of Bulk Pkg. Qty. Consult factory for colors not listed.

See *page 29* for IP Technical Information

Type	Materials		
HSTT	Polyolefin Cross-Linked		
600V	-67°F to 275°F (-55°C to 135°C‡)	AMS-DTL-23053/5 Class 1 or Class 2	Variety of Colors
Flexible	Shrink Ratio: 2:1	Flame Retardant (Except Clear)	

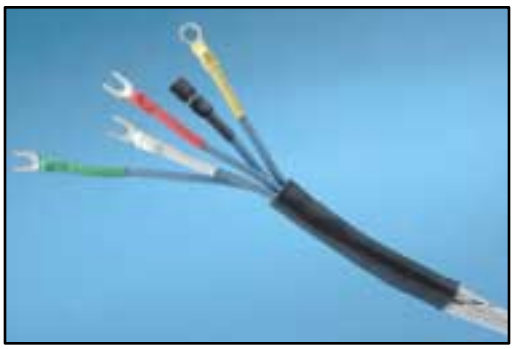
‡ Maximum UL temperature range is 125°C

Need help selecting a heat shrink type or size? Request a Heat Shrink Selection Guide, SA102N66-AIS.

Clear	Red	Yellow	Green	Blue	White	Yellow/ Green
HSTT05-48-QC	HSTT05-48-Q2	HSTT05-48-Q4	HSTT05-48-Q5	HSTT05-48-Q6	HSTT05-48-Q10	—
HSTT05-48-TLC	—	—	—	—	—	—
HSTT05-CC	HSTT05-C2	—	—	—	—	—
HSTT05-MC	HSTT05-M2	HSTT05-M4	HSTT05-M5	HSTT05-M6	HSTT05-M10	—
HSTT06-48-QC	HSTT06-48-Q2	HSTT06-48-Q4	HSTT06-48-Q5	HSTT06-48-Q6	HSTT06-48-Q10	—
HSTT06-48-TLC	—	—	—	—	—	—
HSTT06-CC	HSTT06-C2	—	—	—	—	—
HSTT06-MC	HSTT06-M2	HSTT06-M4	HSTT06-M5	HSTT06-M6	HSTT06-M10	—
HSTT09-48-QC	HSTT09-48-Q2	HSTT09-48-Q4	HSTT09-48-Q5	HSTT09-48-Q6	HSTT09-48-Q10	—
HSTT09-48-TLC	—	—	—	—	—	—
HSTT09-CC	HSTT09-C2	—	—	—	—	—
HSTT09-MC	HSTT09-M2	HSTT09-M4	HSTT09-M5	HSTT09-M6	HSTT09-M10	—
HSTT12-48-QC	HSTT12-48-Q2	HSTT12-48-Q4	HSTT12-48-Q5	HSTT12-48-Q6	HSTT12-48-Q10	HSTT12-48-Q45
HSTT12-48-TLC	—	—	—	—	—	—
HSTT12-CC	HSTT12-C2	—	—	—	—	—
HSTT12-MC	HSTT12-M2	HSTT12-M4	HSTT12-M5	HSTT12-M6	HSTT12-M10	HSTT12-M45
HSTT19-48-QC	HSTT19-48-Q2	HSTT19-48-Q4	HSTT19-48-Q5	HSTT19-48-Q6	HSTT19-48-Q10	HSTT19-48-Q45
HSTT19-48-TLC	—	—	—	—	—	—
HSTT19-CC	HSTT19-C2	—	—	—	—	—
HSTT19-MC	HSTT19-M2	HSTT19-M4	HSTT19-M5	HSTT19-M6	HSTT19-M10	HSTT19-M45
HSTT25-48-QC	HSTT25-48-Q2	HSTT25-48-Q4	HSTT25-48-Q5	HSTT25-48-Q6	HSTT25-48-Q10	HSTT25-48-Q45
HSTT25-48-TLC	—	—	—	—	—	—
HSTT25-CC	HSTT25-C2	—	—	—	—	—
HSTT25-DC	HSTT25-D2	HSTT25-D4	HSTT25-D5	HSTT25-D6	HSTT25-D10	HSTT25-D45
HSTT38-48-QC	HSTT38-48-Q2	HSTT38-48-Q4	HSTT38-48-Q5	HSTT38-48-Q6	HSTT38-48-Q10	HSTT38-48-Q45
HSTT38-48-TLC	—	—	—	—	—	—
HSTT38-CC	HSTT38-C2	—	—	—	—	—
HSTT38-TC	HSTT38-T2	HSTT38-T4	HSTT38-T5	HSTT38-T6	HSTT38-T10	HSTT38-T45
HSTT50-48-QC	HSTT50-48-Q2	HSTT50-48-Q4	HSTT50-48-Q5	HSTT50-48-Q6	HSTT50-48-Q10	HSTT50-48-Q45
HSTT50-48-TC	—	—	—	—	—	—
HSTT50-CC	HSTT50-C2	—	—	—	—	—
HSTT50-TC	HSTT50-T2	HSTT50-T4	HSTT50-T5	HSTT50-T6	HSTT50-T10	HSTT50-T45
HSTT75-48-5C	HSTT75-48-5-2	HSTT75-48-5-4	HSTT75-48-5-5	HSTT75-48-5-6	HSTT75-48-5-10	HSTT75-48-545
HSTT75-48-CQC	—	—	—	—	—	—
HSTT75-CC	HSTT75-C2	—	—	—	—	—
HSTT75-TC	HSTT75-T2	HSTT75-T4	HSTT75-T5	HSTT75-T6	HSTT75-T10	HSTT75-T45

HSTT Heat Shrink in 4' (1.2M) Pieces and Reels continued

- General purpose heat shrink tubing for dry locations
- Applications include insulating, protecting, harnessing and identifying wires



DRY SHRINK™ HEAT SHRINK

IP62

(Except Clear)

(Except Clear)

Ordering Information — HSTT in Bulk Packages — Large Reels and 4' (1.2M) Pcs. (1" to 4" Expanded I.D.)

Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Bulk Pkg. Qty.*	Bulk Ctn. Qty.	Black
1"	1.00" (25.4)	.500" (12.7)	.035" (0.9)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	5 Pcs. 75 Pcs. 1 Reel	— — 2 Reels	**HSTT100-48-5** **HSTT100-48-LQ** **HSTT100-C**
1 1/2"	1.50" (38.1)	.750" (19.0)	.040" (1.0)	4' (1.2M) 1 Reel, 100' (30.5M)	5 Pcs. 1 Reel	— 2 Reels	**HSTT150-48-5** **HSTT150-C**
2"	2.00" (50.8)	1.00" (25.4)	.045" (1.1)	4' (1.2M) 1 Reel, 50' (15.2M)	5 Pcs. 1 Reel	— 2 Reels	**HSTT200-48-5** **HSTT200-L**
3"	3.00" (76.2)	1.50" (38.1)	.050" (1.3)	4' (1.2M) 1 Reel, 50' (15.2M)	2 Pcs. 1 Reel	— —	**HSTT300-48-2** **HSTT300-L**
4"	4.00" (101.6)	2.00" (50.8)	.055" (1.4)	4' (1.2M) 1 Reel, 50' (15.2M)	2 Pcs. 1 Reel	— —	**HSTT400-48-2** **HSTT400-L**

* Order in multiples of Bulk Pkg. Qty. Consult factory for colors not listed.
Note: HSTT300-48-2, HSTT300-48-2C, HSTT400-48-2 and HSTT400-48-2C are classified as standard packaged items rather than bulk packaged.

HSTT Heat Shrink on 25' (7.5M) Reels

Ordering Information — HSTT in Standard Packages

Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*	Std. Ctn. Qty.	Black
3/64"	.046" (1.2)	.023" (0.6)	.016" (0.4)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT05-Q**
1/16"	.063" (1.6)	.031" (0.8)	.017" (0.4)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT06-Q**
3/32"	.093" (2.4)	.046" (1.2)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT09-Q**
1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT12-Q**
3/16"	.187" (4.8)	.093" (2.4)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT19-Q**
1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT25-Q**
3/8"	.375" (9.5)	.187" (4.8)	.025" (0.6)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT38-Q**
1/2"	.500" (12.7)	.250" (6.4)	.025" (0.6)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT50-Q**
3/4"	.750" (19.0)	.375" (9.5)	.030" (0.8)	1 Reel, 25' (7.5M)	1 Reel	10 Reels	**HSTT75-Q**

* Order in multiples of Std. Pkg. Qty.

Type	Materials		
HSTT	Polyolefin Cross-Linked		
600V	-67°F to 275°F (-55°C to 135°C‡)	AMS-DTL-23053/5 Class 1 or Class 2	(Except Clear)
Flexible	Shrink Ratio: 2:1	Flame Retardant (Except Clear)	Variety of Colors

‡ Maximum UL temperature range is 125°C

"Q-Box" (25' (7.5M) / Box)
Unique Self-Dispensing Features

Clear	Red	Yellow	Green	Blue	White	Yellow/ Green
HSTT100-48-5C HSTT100-48-LQC HSTT100-CC	HSTT100-48-5-2 — HSTT100-C2	HSTT100-48-5-4 — HSTT100-C4	HSTT100-48-5-5 — HSTT100-C5	HSTT100-48-5-6 — HSTT100-C6	HSTT100-48-5-10 — HSTT100-C10	HSTT100-48-545 — HSTT100-C45
HSTT150-48-5C HSTT150-CC	HSTT150-48-5-2 HSTT150-C2	HSTT150-48-5-4 HSTT150-C4	— —	HSTT150-48-5-6 HSTT150-C6	HSTT150-48-5-10 HSTT150-C10	— —
HSTT200-48-5C HSTT200-LC	HSTT200-48-5-2 HSTT200-L2	HSTT200-48-5-4 HSTT200-L4	— —	HSTT200-48-5-6 HSTT200-L6	HSTT200-48-5-10 HSTT200-L10	— —
HSTT300-48-2C —	— —	— —	— —	— —	— —	— —
HSTT400-48-2C —	— —	— —	— —	— —	— —	— —

Clear	Red	Yellow	Green	Blue	White	Yellow/ Green
HSTT05-QC	HSTT05-Q2	HSTT05-Q4	HSTT05-Q5	HSTT05-Q6	HSTT05-Q10	—
HSTT06-QC	HSTT06-Q2	HSTT06-Q4	HSTT06-Q5	HSTT06-Q6	HSTT06-Q10	—
HSTT09-QC	HSTT09-Q2	HSTT09-Q4	HSTT09-Q5	HSTT09-Q6	HSTT09-Q10	—
HSTT12-QC	HSTT12-Q2	HSTT12-Q4	HSTT12-Q5	HSTT12-Q6	HSTT12-Q10	HSTT12-Q45
HSTT19-QC	HSTT19-Q2	HSTT19-Q4	HSTT19-Q5	HSTT19-Q6	HSTT19-Q10	HSTT19-Q45
HSTT25-QC	HSTT25-Q2	HSTT25-Q4	HSTT25-Q5	HSTT25-Q6	HSTT25-Q10	HSTT25-Q45
HSTT38-QC	HSTT38-Q2	HSTT38-Q4	HSTT38-Q5	HSTT38-Q6	HSTT38-Q10	HSTT38-Q45
HSTT50-QC	HSTT50-Q2	HSTT50-Q4	HSTT50-Q5	HSTT50-Q6	HSTT50-Q10	HSTT50-Q45
HSTT75-QC	HSTT75-Q2	HSTT75-Q4	HSTT75-Q5	HSTT75-Q6	HSTT75-Q10	HSTT75-Q45

HSTT Heat Shrink
Standard Packs of Heat Shrink — 6" (152.4mm) Pieces

Small package holds unused tube and fits easily in a tool box

- General purpose heat shrink tubing for dry locations
- Applications include insulating, protecting, harnessing and identifying wires

Type	Materials		
HSTT	Polyolefin Cross-Linked		
600V	-67°F to 275°F (-55°C to 135°C‡)	AMS-DTL-23053/5 Class 1 or Class 2	(Except Clear)
Flexible	Shrink Ratio: 2:1	Flame Retardant (Except Clear)	Variety of Colors

‡ Maximum UL temperature range is 125°C

Ordering Information — HSTT in Standard Packages

Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Total No. Pcs.	Std. Pkg. Qty.*	Std. Ctn. Qty.	Black
1/16"	.063" (1.6)	.031" (0.8)	.017" (0.4)	1 Pc. 6" (152.4mm)	26	1 Pkg.	10 Pkgs.	**HSTT06-Y****
3/32"	.093" (2.4)	.046" (1.2)	.020" (0.5)	1 Pc. 6" (152.4mm)	24	1 Pkg.	10 Pkgs.	**HSTT09-Y****
1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	1 Pc. 6" (152.4mm)	20	1 Pkg.	10 Pkgs.	**HSTT12-Y****
3/16"	.187" (4.8)	.093" (2.4)	.020" (0.5)	1 Pc. 6" (152.4mm)	18	1 Pkg.	10 Pkgs.	**HSTT19-Y****
1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	1 Pc. 6" (152.4mm)	14	1 Pkg.	10 Pkgs.	**HSTT25-Y****
3/8"	.375" (9.5)	.187" (4.8)	.025" (0.6)	1 Pc. 6" (152.4mm)	12	1 Pkg.	10 Pkgs.	**HSTT38-Y****
1/2"	.500" (12.7)	.250" (6.4)	.025" (0.6)	1 Pc. 6" (152.4mm)	10	1 Pkg.	10 Pkgs.	**HSTT50-Y****
3/4"	.750" (19.0)	.375" (9.5)	.030" (0.8)	1 Pc. 6" (152.4mm)	8	1 Pkg.	10 Pkgs.	**HSTT75-Y****
1"	1.00" (25.4)	.500" (12.7)	.035" (0.9)	1 Pc. 6" (152.4mm)	6	1 Pkg.	10 Pkgs.	**HSTT100-Y****

*Order in multiples of Std. Pkg. Qty.
**For Colors, add C (Clear), 2 (Red), 4 (Yellow), 5 (Green), 6 (Blue) and 10 (White) to end of part number package suffix (Example: HSTT06-YC).

Standard Packs of Heat Shrink — 6" (152.4mm) Pieces

Small package holds unused tube and fits easily in a tool box

- Assorted colors and diameters available

DRY SHRINK™ HEAT SHRINK

IP62

HSTT– Combination: Black and Colors — Single Diameter

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Total No. Pcs.	Black No. Pcs.	Each Color No. Pcs.	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTT06-YK1	1/16"	.063" (1.6)	.031" (0.8)	26	8	3	1 Pkg.	10 Pkgs.
HSTT09-YK1	3/32"	.093" (2.4)	.046" (1.2)	24	6	3	1 Pkg.	10 Pkgs.
HSTT12-YK1	1/8"	.125" (3.2)	.062" (1.6)	20	2	3	1 Pkg.	10 Pkgs.
HSTT19-YK1	3/16"	.187" (4.8)	.093" (2.4)	18	6	2	1 Pkg.	10 Pkgs.
HSTT25-YK1	1/4"	.250" (6.4)	.125" (3.2)	14	2	2	1 Pkg.	10 Pkgs.
HSTT38-YK1	3/8"	.375" (9.5)	.187" (4.8)	12	6	1	1 Pkg.	10 Pkgs.
HSTT50-YK1	1/2"	.500" (12.7)	.250" (6.4)	10	4	1	1 Pkg.	10 Pkgs.
HSTT75-YK1	3/4"	.750" (19.0)	.375" (9.5)	8	2	1	1 Pkg.	10 Pkgs.
HSTT100-YK1	1"	1.00" (25.4)	.500" (12.7)	7	1	1	1 Pkg.	10 Pkgs.

*Order in multiples of Std. Pkg. Qty.
NOTE: Colors include Clear, Red, Yellow, Green, Blue and White

HSTT– Black Only — Multiple Diameters

Part Number	Nominal Diameter In.	Total Number of Pieces	Black Number of Pieces by Diameter	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTT-YK1	Various; Smaller Range	14	(2) pcs. each 1/8", 1/16", 3/16", 3/32", 1/4", 1/2", 3/8"	1 Pkg.	10 Pkgs.
HSTT-YK2	Various; Larger Range	8	(2) pcs. each 3/8", 1/2", 3/4", 1"	1 Pkg.	10 Pkgs.

*Order in multiples of Std. Pkg. Qty.

HSTT– Yellow/Green Stripe — Multiple Diameters

Part Number	Nominal Diameter In.	Total Number of Pieces	Number of Pieces by Diameter	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTT-YK1-45	Various; Smaller Range	8	(2) pcs. each 1/8", 3/16", 1/4", 3/8"	1 Pkg.	10 Pkgs.
HSTT-YK2-45	Various, Larger Range	6	(2) pcs. each 3/8", 1/2", 3/4"	1 Pkg.	10 Pkgs.

*Order in multiples of Std. Pkg. Qty.

HSTTD Heat Shrink in 4' (1.2M) Pieces with Bar Coded Tags for Distributor Display Areas

- General purpose heat shrink tubing for dry locations
- Applications include insulating, protecting, harnessing and identifying wires

DRY SHRINK™ HEAT SHRINK

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(Except Clear)

(Except Clear)

Ordering Information — HSTTD in Standard Packages

Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	PC Length	Std. Pkg. Qty.*	Black
3/64"	.046" (1.2)	.023" (0.6)	.016" (0.4)	4' (1.2M)	25 Pcs.	**HSTTD05-48-Q**
1/16"	.063" (1.6)	.031" (0.8)	.017" (0.4)	4' (1.2M)	25 Pcs.	**HSTTD06-48-Q****
3/32"	.093" (2.4)	.046" (1.2)	.020" (0.5)	4' (1.2M)	25 Pcs.	**HSTTD09-48-Q****
1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	4' (1.2M)	25 Pcs.	**HSTTD12-48-Q****
3/16"	.187" (4.8)	.093" (2.4)	.020" (0.5)	4' (1.2M)	25 Pcs.	**HSTTD19-48-Q****
1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	4' (1.2M)	25 Pcs.	**HSTTD25-48-Q****
3/8"	.375" (9.5)	.187" (4.8)	.025" (0.6)	4' (1.2M)	25 Pcs.	**HSTTD38-48-Q****
1/2"	.500" (12.7)	.250" (6.4)	.025" (0.6)	4' (1.2M)	25 Pcs.	**HSTTD50-48-Q****
3/4"	.750" (19.0)	.375" (9.5)	.030" (0.8)	4' (1.2M)	5 Pcs.	**HSTTD75-48-5****
1"	1.00" (25.4)	.500" (12.7)	.035" (0.9)	4' (1.2M)	5 Pcs.	**‡HSTTD100-48-5****

*Order in multiples of Std. Pkg. Qty.
**For Colors, add C (Clear), 2 (Red), 4 (Yellow), 5 (Green), 6 (Blue) and 10 (White) to end of part number package suffix (Example: HSTTD05-48-QC).
‡ For Colors, add C(Clear), 2 (Red) and 10 (White) to end of part number package suffix (Example: HSTTD100-48-5C)

Ordering Information — HSTT in Pre-Packaged Cut Pieces (Bulk Qty. Only)

1/2" (12.7mm) Lengths

Nominal Diameter In.	Bulk Pkg. Qty.*	Bulk Ctn. Qty.	Black	Clear
1/8"	10,000 Pcs.	—	**HSTT12-.5K**	**HSTT12-.5KC**
3/16"	10,000 Pcs.	—	**HSTT19-.5K**	**HSTT19-.5KC**
1/4"	5,000 Pcs.	—	**HSTT25-.5F**	**HSTT25-.5FC**

*Order in multiples of Bulk Pkg. Qty.

1" (25.4mm) Lengths

Nominal Diameter In.	Bulk Pkg. Qty.*	Bulk Ctn. Qty.	Black	Clear
1/8"	10,000 Pcs.	—	**HSTT12-1K**	**HSTT12-1KC**
3/16"	10,000 Pcs.	—	**HSTT19-1K**	**HSTT19-1KC**
1/4"	5,000 Pcs.	—	**HSTT25-1F**	**HSTT25-1FC**

*Order in multiples of Bulk Pkg. Qty.

HSTTV Heat Shrink in 4' (1.2M) Pieces

- For dry locations
- Highly flame retardant
- Meets UL VW-1 rating
- Fast Shrink Time

DRY SHRINK™ HEAT SHRINK

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Type	Materials		
HSTTV	Polyolefin Cross-Linked		
600V	-67°F to 257°F (-55°C to 125°C‡)	AMS-DTL-23053/5 Class 3	VW-1 OFT
Flexible	Shrink Ratio: 2:1	Highly Flame Retardant VW-1	

HSTTV in Bulk Packages — Small Reels & 4' (1.2M) Pcs.

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Bulk Pkg. Qty.*	Bulk Ctn. Qty.
HSTTV05-48-Q HSTTV05-48-TL HSTTV05-C	3/64"	.046" (1.2)	.023" (0.6)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 250 Pcs. 1 Reel	— — 10 Reels
HSTTV06-48-Q HSTTV06-48-TL HSTTV06-C	1/16"	.063" (1.6)	.031" (0.8)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 250 Pcs. 1 Reel	— — 10 Reels
HSTTV09-48-Q HSTTV09-48-TL HSTTV09-C	3/32"	.093" (2.4)	.046" (1.2)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 250 Pcs. 1 Reel	— — 10 Reels
HSTTV12-48-Q HSTTV12-48-TL HSTTV12-C	1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 250 Pcs. 1 Reel	— — 10 Reels
HSTTV19-48-Q HSTTV19-48-TL HSTTV19-C	3/16"	.187" (4.8)	.093" (2.4)	.020" (0.5)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 250 Pcs. 1 Reel	— — 10 Reels
HSTTV25-48-Q HSTTV25-48-TL HSTTV25-C	1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 250 Pcs. 1 Reel	— — 10 Reels
HSTTV38-48-Q HSTTV38-48-TL HSTTV38-C	3/8"	.375" (9.5)	.187" (4.8)	.025" (0.6)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 250 Pcs. 1 Reel	— — 10 Reels
HSTTV50-48-Q HSTTV50-48-T HSTTV50-C	1/2"	.500" (12.7)	.250" (6.4)	.025" (0.6)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	25 Pcs. 200 Pcs. 1 Reel	— — 10 Reels
HSTTV75-48-5 HSTTV75-48-CQ HSTTV75-C	3/4"	.750" (19.0)	.375" (9.5)	.030" (0.8)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	5 Pcs. 125 Pcs. 1 Reel	— — 10 Reels
HSTTV100-48-5 HSTTV100-48-LQ HSTTV100-C	1"	1.00" (25.4)	.500" (12.7)	.035" (0.9)	4' (1.2M) 4' (1.2M) 1 Reel, 100' (30.5M)	5 Pcs. 75 Pcs. 1 Reel	— — 2 Reels
HSTTV150-48-5 HSTTV150-C	1 1/2"	1.50" (38.1)	.750" (19.0)	.040" (1.0)	4' (1.2M) 1 Reel, 100' (30.5M)	5 Pcs. 1 Reel	— 2 Reels

* Order in multiples of Bulk Pkg. Qty.
‡ Maximum UL Temperature Range is 125° C

HSTTV Heat Shrink Reels

- For dry locations
- Highly flame retardant
- Meets UL VW-1 rating
- Fast Shrink Time

Type	Materials		
HSTTV	Polyolefin Cross-Linked		
600V	-67°F to 257°F (-55°C to 125°C‡)	AMS-DTL-23053/5 Class 3	VW-1 OFT
Flexible	Shrink Ratio: 2:1	Highly Flame Retardant VW-1	

HSTTV in Bulk Packages — Large Reels

Nominal Diameter In.	Length	Black	Red	Yellow	Blue	White	Bulk Pkg. Qty.*	Bulk Ctn. Qty.
3/64"	1 Reel, 1000' (304.8M)	HSTTV05-M	HSTTV05-M2	HSTTV05-M4	HSTTV05-M6	HSTTV05-M10	1 Reel	2 Reels
1/16"	1 Reel, 1000' (304.8M)	HSTTV06-M	HSTTV06-M2	HSTTV06-M4	HSTTV06-M6	HSTTV06-M10	1 Reel	2 Reels
3/32"	1 Reel, 1000' (304.8M)	HSTTV09-M	HSTTV09-M2	HSTTV09-M4	HSTTV09-M6	HSTTV09-M10	1 Reel	2 Reels
1/8"	1 Reel, 1000' (304.8M)	HSTTV12-M	HSTTV12-M2	HSTTV12-M4	HSTTV12-M6	HSTTV12-M10	1 Reel	2 Reels
3/16"	1 Reel, 1000' (304.8M)	HSTTV19-M	HSTTV19-M2	HSTTV19-M4	HSTTV19-M6	HSTTV19-M10	1 Reel	2 Reels
1/4"	1 Reel, 500' (152.4M)	HSTTV25-D	HSTTV25-D2	HSTTV25-D4	HSTTV25-D6	HSTTV25-D10	1 Reel	2 Reels
3/8"	1 Reel, 200' (61.0M)	HSTTV38-T	HSTTV38-T2	HSTTV38-T4	HSTTV38-T6	HSTTV38-T10	1 Reel	2 Reels
1/2"	1 Reel, 200' (61.0M)	HSTTV50-T	HSTTV50-T2	HSTTV50-T4	HSTTV50-T6	HSTTV50-T10	1 Reel	2 Reels
3/4"	1 Reel, 200' (61.0M)	HSTTV75-T	HSTTV75-T2	HSTTV75-T4	HSTTV75-T6	HSTTV75-T10	1 Reel	2 Reels

* Order in multiples of Bulk Pkg. Qty.
‡ Maximum UL Temperature Range is 125° C.

HSTTV Heat Shrink in 25' (7.5M) Reels

Ordering Information
HSTTV in Standard Packages of 25' (7.5M) Reels — Black Only

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTTV05-Q	3/64"	.046" (1.2)	.023" (0.6)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV06-Q	1/16"	.063" (1.6)	.031" (0.8)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV09-Q	3/32"	.093" (2.4)	.046" (1.2)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV12-Q	1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV19-Q	3/16"	.187" (4.8)	.093" (2.4)	.020" (0.5)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV25-Q	1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV38-Q	3/8"	.375" (9.5)	.187" (4.8)	.025" (0.6)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV50-Q	1/2"	.500" (12.7)	.250" (6.4)	.025" (0.6)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV75-Q	3/4"	.750" (19.0)	.375" (9.5)	.030" (0.8)	1 Reel, 25' (7.5M)	1 Reel	10 Reels
HSTTV100-Q	1"	1.00" (25.4)	.500" (12.7)	.035" (0.9)	1 Reel, 25' (7.5M)	1 Reel	2 Reels

* Order in multiples of Std. Pkg. Qty.

Standard Packs of Heat Shrink — 6" (152.4mm) Pieces

Ordering Information
HSTTV — Single Diameter — Black Only

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Total No. Pcs.	Black No. Pcs.	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTTV05-Y	3/64"	.046" (1.2)	.023" (0.6)	26	26	1 Pkg.	10 Pkgs.
HSTTV06-Y	1/16"	.063" (1.6)	.031" (0.8)	26	26	1 Pkg.	10 Pkgs.
HSTTV09-Y	3/32"	.093" (2.4)	.046" (1.2)	24	24	1 Pkg.	10 Pkgs.
HSTTV12-Y	1/8"	.125" (3.2)	.062" (1.6)	20	20	1 Pkg.	10 Pkgs.
HSTTV19-Y	3/16"	.187" (4.8)	.093" (2.4)	18	18	1 Pkg.	10 Pkgs.
HSTTV25-Y	1/4"	.250" (6.4)	.125" (3.2)	14	14	1 Pkg.	10 Pkgs.
HSTTV38-Y	3/8"	.375" (9.5)	.187" (4.8)	12	12	1 Pkg.	10 Pkgs.
HSTTV50-Y	1/2"	.500" (12.7)	.250" (6.4)	10	10	1 Pkg.	10 Pkgs.
HSTTV75-Y	3/4"	.750" (19.0)	.375" (9.5)	8	8	1 Pkg.	10 Pkgs.
HSTTV100-Y	1"	1.00" (25.4)	.500" (12.7)	6	6	1 Pkg.	10 Pkgs.

* Order in multiples of Std. Pkg. Qty.

HSTTR Heat Shrink

- For dry locations
- Semi-rigid tubing offers excellent protection for delicate components
- Provides strain relief for soldered and crimped connections

Type	Materials	
HSTTR	Polyolefin Cross-Linked	
600V	-67°F to 275°F (-55°C to 135°C)	AMS-DTL-23053/6 Class 1
Semi-Rigid	Shrink Ratio: 2:1	Flame Retardant

Ordering Information — HSTTR in Standard Packages — 4' (1.2M) Pieces

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTR05-48-Q	3/64"	.046" (1.2)	.023" (0.6)	.020" (0.5)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTR06-48-Q	1/16"	.063" (1.6)	.031" (0.8)	.020" (0.5)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTR09-48-Q	3/32"	.093" (2.4)	.046" (1.2)	.020" (0.5)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTR12-48-Q	1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTR19-48-Q	3/16"	.187" (4.8)	.093" (2.4)	.025" (0.6)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTR25-48-Q	1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTR38-48-Q	3/8"	.375" (9.5)	.187" (4.8)	.030" (0.8)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTR50-48-5	1/2"	.500" (12.7)	.250" (6.4)	.030" (0.8)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTR75-48-5	3/4"	.750" (19.0)	.375" (9.5)	.030" (0.8)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTR100-48-5	1"	1.00" (25.4)	.500" (12.7)	.035" (0.9)	1 Pc., 4' (1.2M)	5 Pcs.

* Order in multiples of Std. Pkg. Qty.

HSTTP Heat Shrink

- For dry locations
- Flexible, highly flame retardant tubing
- Good resistance to most fuels and oils
- Good cut through and solder resistance

DRY SHRINK™ HEAT SHRINK

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Type	Materials	
HSTTP	Polyvinyl Chloride Cross-Linked	
600V	-4°F to 221°F (-20°C to 105°C)	
Flexible	Shrink Ratio: 2:1	Highly Flame Retardant VW-1

Ordering Information — HSTTP in Standard Packages — Reels

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTTP05-Q HSTTP05-C HSTTP05-M	3/64"	.046" (1.2)	.023" (0.6)	.020" (0.5)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	1 Reel 1 Reel 1 Reel	10 Reels 2 Reels 2 Reels
HSTTP06-Q HSTTP06-C HSTTP06-M	1/16"	.063" (1.6)	.031" (0.8)	.020" (0.5)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	1 Reel 1 Reel 1 Reel	10 Reels 2 Reels 2 Reels
HSTTP09-Q HSTTP09-C HSTTP09-M	3/32"	.093" (2.4)	.046" (1.2)	.025" (0.6)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	1 Reel 1 Reel 1 Reel	10 Reels 2 Reels 2 Reels
HSTTP12-Q HSTTP12-C HSTTP12-M	1/8"	.125" (3.2)	.062" (1.6)	.025" (0.6)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	1 Reel 1 Reel 1 Reel	10 Reels 2 Reels 2 Reels
HSTTP19-Q HSTTP19-C HSTTP19-M	3/16"	.187" (4.8)	.093" (2.4)	.025" (0.6)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M) 1 Reel, 1000' (304.8M)	1 Reel 1 Reel 1 Reel	10 Reels 2 Reels 2 Reels
HSTTP25-Q HSTTP25-C HSTTP25-D	1/4"	.250" (6.4)	.125" (3.2)	.025" (0.6)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M) 1 Reel, 500' (152.4M)	1 Reel 1 Reel 1 Reel	10 Reels 2 Reels 2 Reels
HSTTP38-Q HSTTP38-C HSTTP38-T	3/8"	.375" (9.5)	.187" (4.8)	.030" (0.8)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M) 1 Reel, 200' (61.0M)	1 Reel 1 Reel 1 Reel	10 Reels 2 Reels 2 Reels
HSTTP50-Q HSTTP50-C	1/2"	.500" (12.7)	.250" (6.4)	.030" (0.8)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M)	1 Reel 1 Reel	10 Reels 2 Reels
HSTTP75-Q HSTTP75-C	3/4"	.750" (19.0)	.375" (9.5)	.035" (0.9)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M))	1 Reel 1 Reel	10 Reels 2 Reels
HSTTP100-Q HSTTP100-C	1"	1.00" (25.4)	.500" (12.7)	.040" (1.0)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M)	1 Reel 1 Reel	2 Reels 2 Reels
HSTTP150-Q HSTTP150-C	1 1/2"	1.50" (38.1)	.750" (19.0)	.045" (1.1)	1 Reel, 25' (7.5M) 1 Reel, 100' (30.5M)	1 Reel 1 Reel	2 Reels 2 Reels
HSTTP200-X HSTTP200-Q	2"	2.00" (50.8)	1.00" (25.4)	.050" (1.3)	1 Reel, 10' (3.0m) 1 Reel, 25' (7.5M)	1 Reel 1 Reel	2 Reels 2 Reels

* Order in multiples of Std. Pkg. Qty.

HSTTN Heat Shrink

- For dry locations
- Highly flexible tubing
- Offers excellent chemical resistance, especially to fuels and oils

DRY SHRINK™ HEAT SHRINK

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Type	Materials	
HSTTN	Elastomer Neoprene Cross-Linked	
600V	-94°F to 250°F (-70°C to 121°C)	AMS-DTL-23053/1 Class 2
Highly Flexible	Shrink Ratio▲: 2:1	Highly Flame Retardant

Ordering Information — HSTTN in Standard Packages — 25' (7.5M) and 100' (30.5M) Reels

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTTN25-C	1/4"	.250" (6.4)	.143" (3.6)	.035" (0.9)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN38-C	3/8"	.375" (9.5)	.211" (5.4)	.040" (1.0)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN50-C	1/2"	.500" (12.7)	.286" (7.3)	.048" (1.2)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN63-C	5/8"	.625" (15.9)	.357" (9.1)	.052" (1.3)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN75-C	3/4"	.750" (19.0)	.428" (10.9)	.057" (1.5)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN88-C	7/8"	.875" (22.2)	.500" (12.7)	.065" (1.7)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN100-C	1"	1.00" (25.4)	.570" (14.5)	.070" (1.8)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN125-C	1 1/4"	1.25" (31.8)	.714" (18.1)	.087" (2.2)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN150-C	1 1/2"	1.50" (38.1)	.857" (21.8)	.095" (2.4)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN175-C	1 3/4"	1.75" (44.5)	1.00" (25.4)	.107" (2.7)	1 Reel, 100' (30.5M)	1 Reel	2 Reels
HSTTN200-Q	2"	2.00" (50.8)	1.140" (29.0)	.110" (2.8)	1 Reel, 25' (7.5M)	1 Reel	2 Reels
HSTTN300-Q	3"	3.00" (76.2)	1.710" (43.4)	.125" (3.8)	1 Reel, 25' (7.5M)	1 Reel	2 Reels

* Order in multiples of Std. Pkg. Qty.

▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

HSTTT (TFE) Heat Shrink

- For dry locations
- Semi-rigid, highly heat resistant
- Offers the widest temperature range of any plastic material
- Also available with 4:1 shrink ratio
- Color is milky clear

NOTE: Special instructions on *page 28*

Type	Materials	
HSTTT HSTTT4X	Polytetrafluoroethylene	
600V	-88°F to 482°F (-67°C to 250°C)	AMS-DTL-23053/12 Class 3 or Class 5
Semi-Rigid	Shrink Ratio▲: 2:1 or 4:1	Non-Flammable

Ordering Information — 2:1 Shrink Ratio (Class 3) — HSTTT in Standard Packages — 4' (1.2M) Pcs.

Part Number	Nominal Diameter	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTT03-48-Q	30 AWG	.034" (0.9)	.015" (0.4)	.009" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT04-48-Q	28 AWG	.038" (1.0)	.018" (0.5)	.009" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT046-48-Q	26 AWG	.046" (1.2)	.022" (0.5)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT05-48-Q	24 AWG	.050" (1.3)	.027" (0.7)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT055-48-Q	22 AWG	.055" (1.4)	.032" (0.8)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT06-48-Q	20 AWG	.060" (1.5)	.039" (1.0)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT08-48-Q	18 AWG	.076" (1.9)	.049" (1.2)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT09-48-Q	16 AWG	.093" (2.3)	.061" (1.6)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT12-48-Q	14 AWG	.120" (3.0)	.072" (1.8)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT15-48-Q	12 AWG	.150" (3.8)	.089" (2.3)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT19-48-Q	10 AWG	.191" (4.9)	.112" (2.8)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT24-48-Q	8 AWG	.240" (6.0)	.141" (3.6)	.015" (0.4)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT30-48-Q	6 AWG	.302" (7.7)	.178" (4.5)	.015" (0.4)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT37-48-Q	4 AWG	.370" (9.4)	.224" (5.7)	.015" (0.4)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT43-48-Q	2 AWG	.430" (10.9)	.278" (7.0)	.015" (0.4)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT47-48-Q	0 AWG	.470" (11.9)	.347" (8.8)	.015" (0.4)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT56-48-5	9/16"	.560" (14.2)	.399" (10.1)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT66-48-5	5/8"	.655" (16.6)	.462" (11.7)	.018" (0.5)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT75-48-5	3/4"	.750" (19.0)	.524" (13.3)	.018" (0.5)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT93-48-5	15/16"	.930" (23.6)	.655" (16.6)	.020" (0.5)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT112-48-5	1 1/8"	1.125" (28.6)	.786" (20.0)	.025" (0.6)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT131-48-2	1 5/16"	1.310" (33.3)	.911" (23.1)	.030" (0.8)	1 Pc., 4' (1.2M)	2 Pcs.
HSTTT150-48-2	1 1/2"	1.500" (38.1)	1.036" (26.3)	.030" (0.8)	1 Pc., 4' (1.2M)	2 Pcs.

Ordering Information — 4:1 Shrink Ratio (Class 5) — HSTTT4X in Standard Packages — 4' (1.2M) Pcs.

Part Number	Nominal Diameter In. (mm)	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTT4X08-48-Q	5/64" (2.0)	.078" (2.0)	.025" (0.6)	.009" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT4X12-48-Q	1/8" (3.3)	.125" (3.2)	.037" (0.9)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT4X25-48-Q	1/4" (6.3)	.250" (6.4)	.063" (1.6)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT4X38-48-Q	3/8" (9.5)	.375" (9.5)	.096" (2.4)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTT4X50-48-5	1/2" (12.7)	.500" (12.7)	.144" (3.7)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT4X63-48-5	5/8" (15.9)	.625" (15.9)	.178" (4.5)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT4X75-48-5	3/4" (19.1)	.750" (19.1)	.224" (5.7)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT4X88-48-5	7/8" (22.2)	.875" (22.2)	.244" (6.2)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT4X100-48-5	1" (25.4)	1.00" (25.4)	.278" (7.0)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTT4X125-48-5	1 1/4" (31.8)	1.25" (31.8)	.347" (8.8)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.

* Order in multiples of Std. Pkg. Qty.

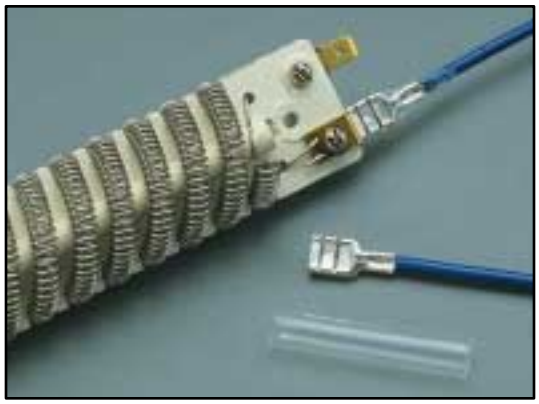
▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

‡ TEFLON is a registered trademark of E.I. DuPont.

HSTTF (FEP) Heat Shrink

- For dry locations
- Semi-rigid, highly heat resistant tubing
- Offers most of the same characteristics of HSTTT found on *page 17*, but has a lower shrink temperature
- Tubing can be welded and tube ends sealed by melting
- Color is clear

Type	Materials	
HSTTF	Fluorinated Ethylene Propylene	
600V	-88°F to 392°F (-67°C to 200°C)	AMS-DTL-23053/ 11
Semi-Rigid	Shrink Ratio▲: 1.3:1	Non-Flammable



Ordering Information — HSTTF in Standard Packages — 4' (1.2M) Pieces

Part Number	Nominal Diameter	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTF03-48-Q	24 AWG	.031" (0.8)	.027" (0.7)	.008" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF04-48-Q	22 AWG	.036" (0.9)	.032" (0.8)	.008" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF05-48-Q	20 AWG	.045" (1.1)	.039" (1.0)	.008" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF06-48-Q	18 AWG	.060" (1.5)	.049" (1.2)	.008" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF08-48-Q	16 AWG	.075" (1.9)	.061" (1.5)	.009" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF09-48-Q	14 AWG	.092" (2.3)	.072" (1.8)	.009" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF12-48-Q	12 AWG	.115" (2.9)	.089" (2.2)	.009" (0.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF14-48-Q	10 AWG	.141" (3.6)	.114" (2.9)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF16-48-Q	9 AWG	.158" (4.0)	.124" (3.2)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF18-48-Q	8 AWG	.180" (4.6)	.143" (3.6)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF20-48-Q	7 AWG	.197" (5.0)	.158" (4.0)	.011" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF23-48-Q	6 AWG	.225" (5.7)	.180" (4.6)	.011" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF25-48-Q	5 AWG	.248" (6.3)	.198" (5.0)	.011" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF29-48-Q	4 AWG	.290" (7.4)	.226" (5.7)	.011" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF31-48-Q	3 AWG	.310" (7.9)	.249" (6.3)	.011" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF36-48-Q	2 AWG	.365" (9.3)	.280" (7.1)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF40-48-Q	1 AWG	.400" (10.2)	.311" (7.9)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF44-48-Q	0 AWG	.440" (11.2)	.349" (8.9)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTF50-48-5	1/2"	.500" (12.7)	.383" (9.7)	.015" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTF66-48-5	5/8"	.666" (16.9)	.510" (13.0)	.020" (0.5)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTF100-48-5	1"	1.00" (25.4)	.764" (19.4)	.030" (0.8)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTF133-48-2	1 1/3"	1.33" (33.8)	1.02" (25.9)	.035" (0.9)	1 Pc., 4' (1.2M)	2 Pcs.
HSTTF200-48-2	2"	2.00" (50.8)	1.52" (38.6)	.035" (0.9)	1 Pc., 4' (1.2M)	2 Pcs.

* Order in multiples of Std. Pkg. Qty.

▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

‡ TEFLON is a registered trademark of E.I. DuPont.

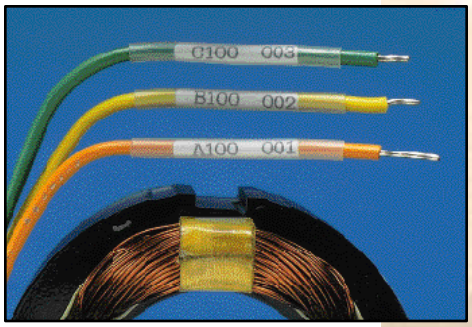
HSTTK KYNAR‡ Heat Shrink

- For dry locations
- Semi-rigid, highly heat resistant
- Offers excellent chemical and abrasion resistance
- Use in high temperature or solvent rich environment
- Color is clear

DRY SHRINK™ HEAT SHRINK

IP62

Type	Material		
HSTTK	Polyvinylidene Fluoride		
600V	-67°F to 347°F (-55°C to 175°C)	AMS-DTL-23053/8	VW-1
Semi-Rigid	Shrink Ratio▲: 2:1	Highly Flame Retardant VW-1	



Ordering Information — HSTTK in Standard Packages — 4' (1.2M) Pieces

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTK05-48-Q	3/64"	.046" (1.2)	.023" (0.6)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTK06-48-Q	1/16"	.063" (1.6)	.031" (0.8)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTK09-48-Q	3/32"	.093" (2.4)	.046" (1.2)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTK12-48-Q	1/8"	.125" (3.2)	.062"(1.6)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTK19-48-Q	3/16"	.187" (4.8)	.093" (2.4)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTK25-48-Q	1/4"	.250" (6.4)	.125"(3.2)	.010" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTK38-48-Q	3/8"	.375" (9.5)	.187" (4.8)	.012" (0.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTK50-48-5	1/2"	.500" (12.7)	.250" (6.4)	.012" (0.3)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTK75-48-5	3/4"	.750" (19.0)	.375" (9.5)	.017" (0.4)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTK100-48-5	1"	1.00" (25.4)	.500" (12.7)	.019" (0.5)	1 Pc., 4' (1.2M)	5 Pcs.

* Order in multiples of Std. Pkg. Qty.

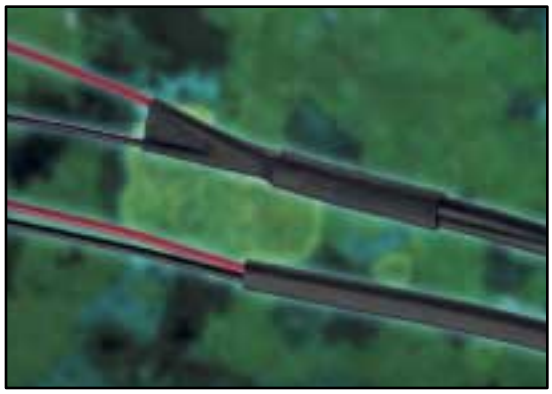
▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

‡ KYNAR is a registered trademark of Elf Atochem.

HSTTVA Heat Shrink

- For damp locations
- Flexible tubing with an adhesive inner wall which seals and protects components from moisture and corrosion
- For use when a flexible adhesive lined tubing is needed

Type	Materials	
HSTTVA	Polyolefin Cross-Linked with Adhesive	
600V	-67°F to 230°F (-55°C to 110°C)	AMS-DTL-23053/4 Class 2
Flexible	Shrink Ratio: 2:1	Outer Wall Flame Retardant



Ordering Information — HSTTVA in Standard Packages — 4' (1.2M) Pieces

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTVA12-48-Q	1/8"	.125" (3.2)	.062" (1.6)	.020" (0.5)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTVA19-48-Q	3/16"	.187" (4.8)	.093" (2.4)	.022" (0.6)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTVA25-48-Q	1/4"	.250" (6.4)	.125" (3.2)	.030" (0.8)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTVA38-48-Q	3/8"	.375" (9.5)	.187" (4.8)	.031" (0.8)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTVA50-48-5	1/2"	.500" (12.7)	.250" (6.4)	.032" (0.8)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTVA75-48-5	3/4"	.750" (19.0)	.375" (9.5)	.037" (0.9)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTVA100-48-5	1"	1.00" (25.4)	.500" (12.7)	.046" (1.2)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTVA150-48-5	1 1/2"	1.50" (38.1)	.750" (19.0)	.049" (1.2)	1 Pc., 4' (1.2M)	5 Pcs.

* Order in multiples of Std. Pkg. Qty.

Standard Packs of HSTTVA Heat Shrink — 6" (152.4mm) Pieces

HSTTVA– 2:1 Adhesive Lined – Black Only – Single Diameter

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Total No. of Pieces	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTTVA12-Y	1/8"	.125" (3.2)	.062" (1.6)	7	1 Pkg.	10 Pkgs.
HSTTVA19-Y	3/16"	.187" (4.8)	.093" (2.4)	7	1 Pkg.	10 Pkgs.
HSTTVA25-Y	1/4"	.250" (6.4)	.125" (3.2)	5	1 Pkg.	10 Pkgs.
HSTTVA38-Y	3/8"	.375" (9.5)	.187" (4.8)	4	1 Pkg.	10 Pkgs.
HSTTVA50-Y	1/2"	.500" (12.7)	.250" (6.4)	4	1 Pkg.	10 Pkgs.
HSTTVA75-Y	3/4"	.750" (19.0)	.375" (9.5)	3	1 Pkg.	10 Pkgs.
HSTTVA100-Y	1"	1.00" (25.4)	.500" (12.7)	2	1 Pkg.	10 Pkgs.

*Order in multiples of Std. Pkg. Qty.

HSTTA Heat Shrink

- For damp locations
- Flexible tubing with adhesive inner wall, seals and protects components from moisture and corrosion
- The 3:1 shrink ratio is a benefit when working with connector to cable transitions

DAMP SHRINK™ HEAT SHRINK

IP66

Type	Materials	
HSTTA	Polyolefin Cross-Linked with Adhesive	
600V	-67°F to 230°F (-55°C to 110°C)	AMS-DTL-23053/4 Class 3
Flexible	Shrink Ratio: 3:1	Outer Wall Flame Retardant

Ordering Information — HSTTA in Standard and Bulk Packages — 4' (1.2M) Pieces

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTA19-48-Q	3/16"	.187" (4.8)	.062" (1.6)	.040" (1.0)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTA25-48-Q	1/4"	.250" (6.4)	.080" (2.0)	.040" (1.0)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTA25-48-TL	1/4"	.250" (6.4)	.080" (2.0)	.040" (1.0)	1 Pc., 4' (1.2M)	250 Pcs.
HSTTA38-48-Q	3/8"	.375" (9.5)	.120" (3.0)	.055" (1.4)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTA38-48-TL	3/8"	.375" (9.5)	.120" (3.0)	.055" (1.4)	1 Pc., 4' (1.2M)	250 Pcs.
HSTTA50-48-5	1/2"	.500" (12.7)	.160" (4.1)	.070" (1.8)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTA50-48-T	1/2"	.500" (12.7)	.160" (4.1)	.070" (1.8)	1 Pc., 4' (1.2M)	200 Pcs.
HSTTA75-48-5	3/4"	.750" (19.0)	.250" (6.4)	.085" (2.2)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTA75-48-C	3/4"	.750" (19.0)	.250" (6.4)	.085" (2.2)	1 Pc., 4' (1.2M)	100 Pcs.
HSTTA100-48-5	1"	1.00" (25.4)	.320" (8.1)	.100" (2.5)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTA100-48-L	1"	1.00" (25.4)	.320" (8.1)	.100" (2.5)	1 Pc., 4' (1.2M)	50 Pcs.
HSTTA150-48-5	1 1/2"	1.50" (38.1)	.510" (12.9)	.100" (2.5)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTA150-48-Q	1 1/2"	1.50" (38.1)	.510" (12.9)	.100" (2.5)	1 Pc., 4' (1.2M)	25 Pcs.

* Order in multiples of Std. Pkg. Qty.

▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

Standard Packs of HSTTA Heat Shrink — 6" (152.4mm) Pieces

HSTTA– Black Only – Single Diameter

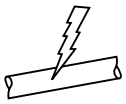
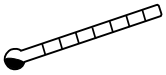
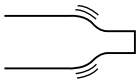
Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Total No. of Pieces	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSTTA19-Y	3/16"	.187" (4.8)	.062" (1.6)	6	1 Pkg.	10 Pkgs.
HSTTA25-Y	1/4"	.250" (6.4)	.080" (2.0)	4	1 Pkg.	10 Pkgs.
HSTTA38-Y	3/8"	.375" (9.5)	.120" (3.0)	3	1 Pkg.	10 Pkgs.
HSTTA50-Y	1/2"	.500" (12.7)	.160" (4.1)	3	1 Pkg.	10 Pkgs.
HSTTA75-Y	3/4"	.750" (19.0)	.250" (6.4)	2	1 Pkg.	10 Pkgs.
HSTTA100-Y	1"	1.00" (25.4)	.320" (8.1)	2	1 Pkg.	10 Pkgs.
HSTTA150-Y	1 1/2"	1.50" (38.1)	.510" (12.9)	1	1 Pkg.	10 Pkgs.

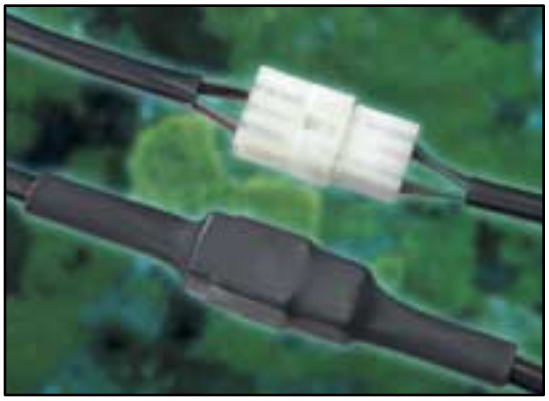
*Order in multiples of Std. Pkg. Qty.

▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

HSTTRA Heat Shrink

- For damp locations
- Semi-rigid tubing
- Adhesive inner wall which seals and protects components from moisture and corrosion
- Provides a rugged seal from the elements

Type	Materials	
HSTTRA	Polyolefin Cross-Linked with Adhesive	
 600V	 -67°F to 230°F (-55°C to 110°C)	AMS-DTL-23053/4 Class 1
Semi-Rigid	 Shrink Ratio▲: 2.5:1	



Ordering Information — HSTTRA in Standard Packages — 4' (1.2M) Pieces

Part Number	Nominal Diameter In.	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Length	Std. Pkg. Qty.*
HSTTRA12-48-Q	1/8"	.125" (3.2)	.023" (0.6)	.038" (1.0)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTRA19-48-Q	3/16"	.187" (4.8)	.060" (1.5)	.043" (1.1)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTRA25-48-Q	1/4"	.250" (6.4)	.080" (2.0)	.047" (1.2)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTRA38-48-Q	3/8"	.375" (9.5)	.135" (3.4)	.050" (1.3)	1 Pc., 4' (1.2M)	25 Pcs.
HSTTRA50-48-5	1/2"	.500" (12.7)	.195" (5.0)	.059" (1.5)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTRA75-48-5	3/4"	.750" (19.0)	.313" (8.0)	.065" (1.7)	1 Pc., 4' (1.2M)	5 Pcs.
HSTTRA100-48-5	1"	1.00" (25.4)	.400" (10.6)	.075" (1.9)	1 Pc., 4' (1.2M)	5 Pcs.

* Order in multiples of Std. Pkg. Qty.

▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

HST Thick Wall Heat Shrink

- Suitable for wet locations and direct burial according to UL 486D
- Provides excellent protection above or below ground level
- Adhesive lined inner wall seals and protects against moisture

Type	Material		
HST		Polyolefin Cross-Linked with Adhesive	
600V	-85°F to 230°F (-65°C to 110°C)	AMS-DTL-23053/15 (HST only)	
Rigid	Shrink Ratio▲: 3:1	Flame Retardant	

(Black Only) Including HST3.0

Listed 6R72 (except HST3.0)

Thick Wall Heat Shrink Part Number System

HST 0.4 - 3 - Q 2

Type	Expanded Diameter	PC Length	Package Quantity	Color
HST	0.4 - .40" (10.2mm)	3 - 3" (76.2mm)	1 - 1 Pc.	None - Black
	0.8 - .80" (20.3mm)	6 - 6" (152.4mm)	2 - 2 Pcs.	2 - Red
	1.1 - 1.10" (27.9mm)	9 - 9" (228.6mm)	3 - 3 Pcs.	
	1.5 - 1.50" (38.1mm)	12 - 12" (304.8mm)	5 - 5 Pcs.	
	2.0 - 2.00" (50.8mm)	48 - 4' (1.2M)	X - 10 Pcs.	
	3.0 - 3.00" (76.2mm)		Q - 25 Pcs.	

Ordering Information — HST in Standard Packages

Part Number	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Conductor Size Range AWG/MCM (mm²)	Minimum Cable O.D. In. (mm)	Maximum Connector O.D. In. (mm)	Tube Length In. (mm)	Std. Pkg. Qty.*	Std. Ctn. Qty.
HST0.4-3-Q‡	.40" (10.1)	.15" (3.8)	.09" (2.3)	#12-#6 (4-10)	0.170" (4.3)	.350" (8.9)	3" (76.2)	25 PCS.	100 PCS.
HST0.4-6-3							6" (152.4)	3 PCS.	30 PCS.
HST0.4-6-X‡							6" (152.4)	10 PCS.	100 PCS.
HST0.4-48-5‡							4' (1.2M)	5 PCS.	20 PCS.
HST0.8-6-3	.80" (20.3)	.20" (5.1)	.11" (2.8)	#8-#1/0 (10-50)	.240" (6.1)	.650" (16.5)	6" (152.4)	3 PCS.	30 PCS.
HST0.8-6-X‡							6" (152.4)	10 PCS.	100 PCS.
HST0.8-9-X‡							9" (228.6)	10 PCS.	100 PCS.
HST0.8-12-5‡							12" (304.8)	5 PCS.	50 PCS.
HST0.8-48-5‡							4' (1.2M)	5 PCS.	20 PCS.
HST1.1-6-3	1.10" (27.9)	.37" (9.4)	.12" (3.0)	#2-#4/0 (35-95)	.400" (10.1)	.875" (22.2)	6" (152.4)	3 PCS.	30 PCS.
HST1.1-6-X‡							6" (152.4)	10 PCS.	100PCS.
HST1.1-9-2							9" (228.6)	2 PCS.	20 PCS.
HST1.1-9-X‡							9" (228.6)	10 PCS.	100 PCS.
HST1.1-12-5‡							12" (304.8)	5 PCS.	50 PCS.
HST1.1-48-5‡							4' (1.2M)	5 PCS.	20 PCS.
HST1.5-9-X	1.50" (38.1)	.50" (12.7)	.17" (4.3)	#3/0-400 MCM (95-185)	.600" (15.2)	1.190" (30.2)	9" (228.6)	10 PCS.	100 PCS.
HST1.5-12-1							12" (304.8)	1 PC.	10 PCS.
HST1.5-12-5							12" (304.8)	5 PCS.	50 PCS.
HST1.5-48-5							4' (1.2M)	5 PCS.	20 PCS.
HST2.0-9-5	2.00" (50.8)	.65" (16.5)	.17" (4.3)	250-750 MCM (240-500)	.750" (19.1)	1.600" (40.6)	9" (228.6)	5 PCS.	50 PCS.
HST2.0-12-2							12" (304.8)	2 PCS.	20 PCS.
HST2.0-48-2							4' (1.2M)	2 PCS.	8 PCS.
HST3.0-12-2	3.00"(76.2)	1.00" (25.4)	.17" (4.3)	600-1250 MCM (300-625)	1.20" (30.5)	2.250" (57.2)	12" (304.8)	2 PCS.	20 PCS.
HST3.0-48-2							4' (1.2M)	2 PCS.	8 PCS.

* Order in multiples of Std Pkg. Qty.

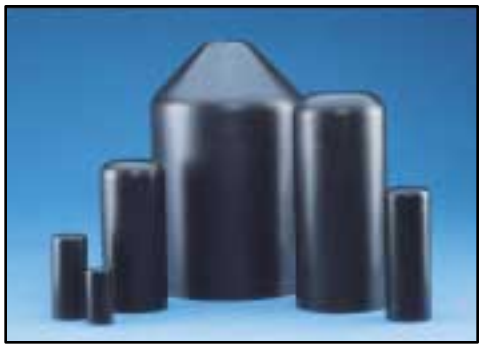
‡ For Red, add 2 to end of part number package suffix (Example HST0.4-3-Q2).

▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D.'s.

HSEC Thick Wall End Caps

- For wet locations
- Provides excellent protection for sealing ends of wire or cable
- Adhesive lined inner wall seals and protects against moisture

Type	Materials	
HSEC	Polyolefin Cross-Linked with Adhesive	
600V	-67°F to 221°F (-55°C to 105°C)	
Rigid	Shrink Ratio▲: 3:1	



Thick Wall End Caps Part Number System

HSEC - 0.5 - X

~~Type~~
HSEC

~~Expanded Diameter~~
0.5 - .47" (11.9mm)
0.8 - .79" (20.1mm)
1.0 - 1.02" (25.9mm)
1.5 - 1.58" (40.1mm)
2.0 - 2.25" (57.2mm)
4.0 - 4.14" (105.2mm)

~~Package Quantity~~
2 - 2 Pcs.
5 - 5 Pcs.
X - 10 Pcs.

Ordering Information — Thick Wall End Caps in Standard Packages

Part Number	Minimum Expanded I.D. In. (mm)	Maximum Recovered I.D. In. (mm)	Nominal Recovered Wall Thickness In. (mm)	Conductor Size	Cap Length In. (mm)	Std. Pkg. Qty.*	Std. Ctn. Qty.
HSEC0.5-X	.47" (11.9)	.18" (4.6)	.10" (2.5)	#8 TO #4 AWG (10 TO 25mm²)	1.38" (35.1)	10 PCS.	100 PCS.
HSEC0.8-X	.79" (20.1)	.30" (7.6)	.10" (2.5)	#4 TO 3/0 AWG (25 TO 95mm²)	2.13" (54.1)	10 PCS.	100 PCS.
HSEC1.0-X	1.02" (25.9)	.45" (11.4)	.10" (2.5)	#2 TO 4/0 AWG (35 TO 95mm²)	3.23" (82.0)	10 PCS.	100 PCS.
HSEC1.5-5	1.58" (40.1)	.68" (17.3)	.11" (2.8)	250 TO 500 MCM (120 TO 240mm²)	3.86" (98.0)	5 PCS.	50 PCS.
HSEC2.0-5	2.25" (57.2)	.87" (22.1)	.15" (3.8)	600 TO 1000 MCM (300 TO 500mm²)	5.52" (140.2)	5 PCS.	50 PCS.
HSEC4.0-2	4.14" (105.2)	1.78" (45.2)	.15" (3.8)	1500 TO 2000 MCM (720 TO 1000mm²)	6.90" (175.3)	2 PCS.	10 PCS.

* Order in multiples of Std. Pkg. Qty.

▲ Shrink ratios are approximations; please refer to above ordering information for the exact Min. Expanded and Max. Recovered I.D's.

Plastic Kit Boxes

- Provides organized storage for a wide variety of parts in one convenient location
- Informative label eliminates guess work:
  — Specifies correct heat shrink usage based on wire range and connector size
  — Provides reorder part number information
- Once top is closed, loose pieces remain in their 6 compartments
- Available with non-adhesive or adhesive lined heat shrink tubing for dry and damp locations

KP-HSTT1 Contents	For Dry Locations	
Black Polyolefin *Dry-Shrink* ™ Heat Shrink Tubing (Type HSTT) in 6" (152.4mm) Lengths 2:1 Shrink Ratio IP62 · AMS-DTL-23053/5 Class 1		
35 each HSTT09 3/32" (2.4mm) I.D. HSTT12 1/8" (3.2mm) I.D.	21 each HSTT19 3/16" (4.8mm) I.D. HSTT25 1/4" (6.4mm) I.D.	7 each HSTT38 3/8" (9.5mm) I.D. HSTT50 1/2" (12.7mm) I.D.

KP-HSTT2 Contents	For Dry Locations	
Multiple Color Polyolefin *Dry-Shrink* Heat Shrink Tubing (Type HSTT) in 6" (152.4mm) Lengths 2:1 Shrink Ratio IP62 · (Except Clear) · (Except Clear) · AMS-DTL-23053/5 Class 1 & 2		
35 each HSTT09 3/32" (2.4mm) I.D. - 7 colors HSTT12 1/8" (3.2mm) I.D. - 7 colors	21 each HSTT19 3/16" (4.8mm) I.D. - 7 colors HSTT25 1/4" (6.4mm) I.D. - 7 colors	7 each HSTT38 3/8" (9.5mm) I.D. - 7 colors HSTT50 1/2" (12.7mm) I.D. - 7 colors

Note: Colors include: Red, Yellow, Green, Blue, White, Clear and Black

KP-HSTTA Contents	For Damp Locations	
Adhesive Lined Black Polyolefin *Damp-Shrink*™ Heat Shrink Tubing (Type HSTTA) in 6" (152.4mm) Lengths 3:1 Shrink Ratio IP66 · AMS-DTL-23053/4 Class 3		
14 each HSTTA19 3/16" (4.8mm) I.D. 12 each HSTTA25 1/4" (6.4mm) I.D.	10 each HSTTA38 3/8" (9.5mm) I.D. 6 each HSTTA50 1/2" (12.7mm) I.D.	3 each HSTTA75 3/4" (19.0mm) I.D. 2 each HSTTA100 1" (25.4mm) I.D.

Order number of kits required.

Metal Kit Boxes

- Provides organized storage for a wide variety of parts in one convenient location
- Informative label eliminates guesswork:
  — Specifies correct heat shrink usage based on wire range and connector size
  — Provides reorder part number information
- Once top is closed, loose pieces remain in their 8 compartments
- Available with non-adhesive or adhesive lined heat shrink tubing for dry and damp locations

K-HSTT1 Contents	For Dry Locations	
Black Polyolefin *Dry-Shrink*™ Heat Shrink Tubing (Type HSTT) in 6" (152.4mm) Lengths 2:1 Shrink Ratio		AMS-DTL-23053/5 Class 1
IP62		
42 each HSTT06 1/16" (1.6mm) I.D. HSTT12 1/8" (3.2mm) I.D.	28 each HSTT19 3/16" (4.8mm) I.D. 21 each HSTT25 1/4" (6.4mm) I.D. 14 each HSTT38 3/8" (9.5mm) I.D.	7 each HSTT50 1/2" (12.7mm) I.D. HSTT75 3/4" (19.0mm) I.D. HSTT100 1" (25.4mm) I.D.

K-HSTT2 Contents	For Dry Locations	
Multiple Color Polyolefin *Dry-Shrink* Heat Shrink Tubing (Type HSTT) in 6" (152.4mm) Lengths 2:1 Shrink Ratio		AMS-DTL-23053/5 Class 1 & 2
IP62	(Except Clear)	(Except Clear)
42 each HSTT06 1/16" (1.6mm) I.D. - 7 colors HSTT12 1/8" (3.2mm) I.D. - 7 colors	28 each HSTT19 3/16" (4.8mm) I.D. - 7 colors 21 each HSTT25 1/4" (6.4mm) I.D. - 7 colors 14 each HSTT38 3/8" (9.5mm) I.D. - 7 colors	7 each HSTT50 1/2" (12.7mm) I.D. - 7 colors HSTT75 3/4" (19.0mm) I.D. - 7 colors HSTT100 1" (25.4mm) I.D. -7 colors

Note: Colors include: Red, Yellow, Green, Blue, White, Clear and Black

K-HSTTA Contents	For Damp Locations	
Adhesive Lined Black Polyolefin *Damp-Shrink*™ Heat Shrink Tubing (Type HSTTA) in 6" (152.4mm) Lengths 3:1 Shrink Ratio		AMS-DTL-23053/4 Class 3
IP66		
24 each HSTTA19 3/16" (4.8mm) I.D. 20 each HSTTA25 1/4" (6.4mm) I.D.	14 each HSTTA38 3/8" (9.5mm) I.D. 10 each HSTTA50 1/2" (12.7mm) I.D.	6 each HSTTA75 3/4" (19.0mm) I.D. 4 each HSTTA100 1" (25.4mm) I.D. 2 each HSTTA150 1 1/2" (38.1mm) I.D.

Order number of kits required.

Mica insulation in the heat element provides extended life to HSG Heat Tools.

HSG Heat tool with stand

Heat Reflector Accessory slips onto heat tools

Heat Concentrator Accessory directs heat to reduce shrink time

DCT — Cutting Tool

Carrying Case

Heat Tools

Part Number	Description (UL Listed 826N (Heat Tools only); CSA (Heat Tools only))	Std. Pkg. Qty
HSG-115V-650	• High temperature tool — For use on *PANDUIT* HSTT, HSTTF, HSTTR, HSTTK, HSTTRA, HST and HSEC • Air intake regulator varies temperature from 650°F (344°C) to 900°F (482°C) 115 Volt, 10 AMP • Neoprene jacketed cord with molded strain relief • Adjustable stand included • Replaceable bearings, brushes and heating elements	1
HSG-115V-500	• General purpose tool — For use on all types of heat shrink except *PANDUIT* HSTT, HSTTF and HSTTK • Air intake regulator varies temperature from 500°F (260°C) to 650°F (344°C) 115 Volt, 8 AMP • Neoprene jacketed cord with molded strain relief • Adjustable stand included • Replaceable bearings, brushes and heating elements	1
HSG-115V-300	• Low temperature tool — For use on small sizes of heat shrink when heat sensitive items are under or near the heat shrink tube • Air intake regulator varies temperature from 300°F (145°C) to 450°F (232°C) 115 Volt, 6 AMP • Neoprene jacketed cord with molded strain relief • Adjustable stand included • Replaceable bearings, brushes and heating elements	1

Accessories

Part Number	Description	Std. Pkg. Qty
HSG-A1	• Shrink tube reflector for tubing up to 3/4" inside diameter • Directs heat around the tubing to reduce shrink time	1
HSG-A2	• Shrink tube reflector for tubing up to 1 1/2" inside diameter • Directs heat around the tubing to reduce shrink time	1
HSG-A3	• Shrink tube concentrator • Directs heat toward tubing and away from heat sensitive items	1
HSG-A4	• Black polyethylene carrying case • Stores heat tool, stand and all three accessories	1
DCT	• Cutting tool for use with HST Thick Wall Heat Shrink Tubing only	1

Replacement Parts

Part Number	Description	Std. Pkg. Qty
HSG-P1	• Brush/Spring Kit	1
HSG-P2	• Switch 20 Amp	1
HSG-P3	• Bearing Kit	1
HSG-P4	• Heat Element 300°F	1
HSG-P5	• Heat Element 500°F	1
HSG-P6	• Thermo Cut-off switch for HSG-115V-300	1
HSG-P7	• Heat Element 650°F	1

Order number of heat tools, accessories and replacement parts required.

Heat Shrink Process Defined

Extrusion/Material

Various thermoplastic materials that will repeatedly melt and flow, such as polyolefin, PVC, etc., are extruded into tube form. If examined at a molecular level, the material would resemble long thin strands weakly connected at various points by crystalline structure. If left in this state, the performance of the tube would be limited to that of the base material.

Cross Linking

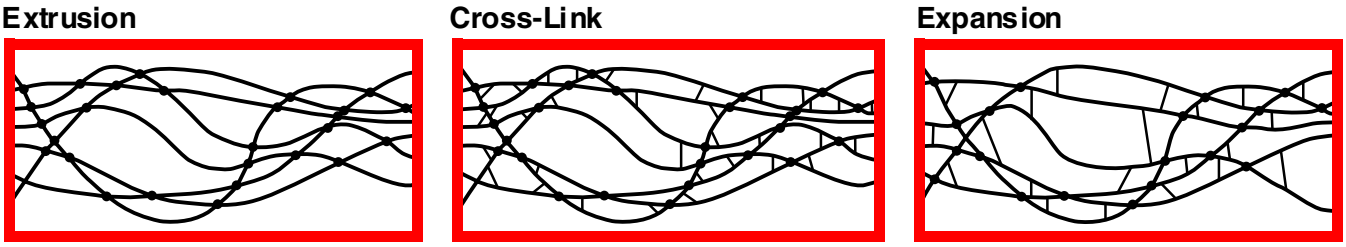
Cross-linking creates high strength bonds between the molecular strands, in addition to the crystalline bonds. This is done with a high voltage or chemical treatment of the material. The cross-link bonds will not break down with heat; this transforms the material from a thermoplastic to a thermoset material that will not melt and flow. The result is a material with superior electrical and mechanical properties.

Expansion

The cross-linked tube is heated and the crystalline bonds dissolve, however, the cross-link bonds remain. The tube now is softer and can be expanded. This causes the cross-link bonds to stretch. When cooled quickly, the crystalline bonds reform, freezing the tube in the expanded size. The tubing has now completed the manufacturing process.

Recovery

With the proper type and size of tube selected, the tube is placed over the object to be covered. Heat is now applied. This causes the crystalline bonds to dissolve again and the tube softens. The stretched cross-link bonds now return to their original length and the tube shrinks to the diameter it had when cross-linked, unless it encounters an object larger than this diameter. In this case, it conforms tightly to this object.



Heat Shrink Installation Instructions

General Instructions

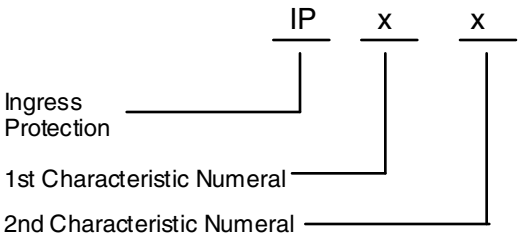
Position heat shrink over the object to be covered. Using a heat gun, soft yellow flame torch, infrared heat source or oven, evenly heat the tubing until it has fully recovered and conforms to the object. Use caution not to char or burn the tubing. See *page 24* for the shrink temperature of each type of Panduit tubing.

Special Instructions for HSTTT and HSTTT4X

TFE tubing is the most difficult to shrink due to its high shrink temperature. TFE shrink tubing must be heated to the gel state 621° F (327° C) to completely recover. This can be recognized when the tubing changes from milky white to clear color. It can be shrunk with a heat gun or torch, however, it is very difficult to use these methods since they have a tendency to overheat the tube in one area while other areas remain too cool. The most reliable way to shrink TFE is in an oven. Position the heat shrink over the object to be covered and place it in an oven set at 800° F (427° C) until the tubing turns clear. Once clear, remove assembly from oven to prevent over heating and allow it to cool at room temperature. Do not quench in cold air or water. Large objects, particularly metal tubing or rods, must be preheated to get a uniform shrink. FEP material, *PANDUIT* HSTTF, is easier to shrink and use of a heat gun, torch or oven will yield good results when the tube is heated to 350° F (177° C).

IP (Ingress Protection) as defined by the International Standard

The IEC 529 international standard describes a system for classifying the degrees of protection provided by the enclosures of electrical equipment and is a recognized standard around the world. An independent test laboratory has tested *PANDUIT's* Heat Shrink Tubing to the IEC 529 standard. The following information exhibits the IP ratings for Panduit Heat Shrink tubing and how each of the IP ratings relates to the USA.



The first characteristic numeral indicates the level of protection against the ingress of solid foreign objects.

The second characteristic numeral indicates the level of protection against the ingress of water.

1st Characteristic Numeral		
***PANDUIT* Heat Shrink**	**Ingress Protection (IP)**	**Meaning for Protection**
	Against ingress of solid object	
	0	Non-Protected
	1	50mm diameter
	2	12.5mm diameter
	3	2.5mm diameter
	4	1.0mm diameter
	5	Dust Protected
DRY-SHRINK™, *DAMP-SHRINK*™ and *WET-SHRINK*™	6	Dust Tight

2nd Characteristic Numeral		
***PANDUIT* Heat Shrink**	**Ingress Protection (IP)**	**Meaning for Protection**
	Against ingress of water	
	0	Non-Protected
	1	Vertically Dripping
DRY-SHRINK™, Heat Shrink Tubing	2	Dripping (15° tilted)
	3	Spraying
	4	Splashing
	5	Jetting
DAMP-SHRINK™ Heat Shrink Tubing	6	Powerful Jetting
	7	Temporary Immersion
WET-SHRINK™ Heat Shrink Tubing	8	Continuous Immersion

	Intended Application Location	Ingress Protection Rating	Description
DRY SHRINK HEAT SHRINK	DRY Locations not normally subject to moisture	IP62	Protected against the ingress of dust but not protected against the ingress of water.
DAMP SHRINK HEAT SHRINK	DAMP Locations subjected to moderate degrees of water and moisture	IP66	Protected against the ingress of dust and protected against the ingress of a power jet of water.
WET SHRINK HEAT SHRINK	WET Locations are defined as underground burial or immersion in water	IP68	Protected against the ingress of dust *and* protected against the ingress of water to a depth of 10 meters.

Does not include *PANDUIT® DRY-SHRINK HSTTT (TEFLON —TFE) or DRY-SHRINK HSTTF (TEFLON —FEP)*

DRY-SHRINK Heat Shrink has been tested in accordance with EN 60529 paragraph 13.4 thereby providing *PANDUIT© DRY-SHRINK* Heat Shrink with an ingress protection rating of IP62.

DAMP-SHRINK Heat Shrink has been tested in accordance with EN 60529 paragraph 13.4 and with paragraph 14.2.6 thereby providing *PANDUIT DAMP-SHRINK* with an ingress protection rating of IP66.

WET-SHRINK Heat Shrink has been tested in accordance with EN 60529 paragraph 13.4, paragraph 14.2.6 and with paragraph 14.2.7 thereby providing *WET-SHRINK* Heat Shrink with an ingress protection rating of IP68. *PANDUIT WET-SHRINK* Heat Shrink has passed EN 60529 paragraph 14.2.7 at depth of 10 meters.

Recommended Tubing Size for Common Wire Types Based on Location

For Insulated Wire, Uninsulated Wire and Insulated Wire With Copper Connectors

Instructions for tube selection:

1) Determine Location Type.

LOCATION:

DRY—IP62: A location not normally subject to dampness or wetness. A location classified as dry may be temporarily subject to dampness or wetness, as in the case of a building under construction.

DAMP—IP66: Partially protected locations under canopies, marquees, roofed open porches, and like locations, and interior locations subject to moderate degrees of moisture, such as some basements, some barns and some cold-storage warehouses.

WET—IP68: Installations underground or in concrete slabs or masonry in direct contact with the earth, and locations subject to saturation with water or other liquids, such as vehicle washing areas, and locations exposed to weather and unprotected.

2) Match wire size to location type under required application - insulated wire, uninsulated wire, or insulated wire with copper connectors.

3) Read corresponding part number.

4) Part numbers with "-Y" are packages containing 6" pieces. Part numbers with "-48" are 48" pieces.

5) Part numbers shown below are for black heat shrink. Consult relevant catalog section for color options.

Wire Size	Insulated Wire			Uninsulated Wire			Insulated Wire with Copper Connector		
	DRY-SHRINK™	DAMP-SHRINK™	WET-SHRINK™	DRY-SHRINK	DAMP-SHRINK	WET-SHRINK	DRY-SHRINK	DAMP-SHRINK	WET-SHRINK
24	HSTT12-Y	HSTTA19-Y	—	—	—	—	HSTT12-Y	—	—
22	HSTT12-Y	HSTTA19-Y	—	—	—	—	HSTT12-Y	—	—
20	HSTT12-Y	HSTTA19-Y	—	HSTT06-Y	—	—	HSTT19-Y	HSTTA19-Y	—
18	HSTT19-Y	HSTTA19-Y	—	HSTT06-Y	—	—	HSTT19-Y	HSTTA19-Y	—
16	HSTT19-Y	HSTTA25-Y	—	HSTT06-Y	—	—	HSTT19-Y	HSTTA25-Y	—
14	HSTT19-Y	HSTTA25-Y	—	HSTT12-Y	HSTTA19-Y	—	HSTT19-Y	HSTTA25-Y	—
12	HSTT25-Y	HSTTA38-Y	HST0.4-48-5	HSTT12-Y	HSTTA19-Y	—	HSTT25-Y	HSTTA38-Y	HST0.4-48-5
10	HSTT25-Y	HSTTA38-Y	HST0.4-48-5	HSTT19-Y	HSTTA25-Y	—	HSTT25-Y	HSTTA38-Y	HST0.4-48-5
8	HSTT38-Y	HSTTA50-Y	HST0.4-48-5	HSTT25-Y	HSTTA25-Y	—	HSTT38-Y	HSTTA50-Y	HST0.4-48-5
6	HSTT50-Y	HSTTA50-Y	HST0.8-48-5	HSTT25-Y	HSTTA38-Y	HST0.4-48-5	HSTT50-Y	HSTTA50-Y	HST0.8-48-5
4	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT38-Y	HSTTA38-Y	HST0.4-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5
3	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT38-Y	HSTTA50-Y	HST0.4-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5
2	HSTT75-Y	HSTTA100-Y	HST0.8-48-5	HSTT50-Y	HSTTA50-Y	HST0.8-48-5	HSTT75-Y	HSTTA100-Y	HST0.8-48-5
1	HSTT75-Y	HSTTA100-Y	HST0.8-48-5	HSTT50-Y	HSTTA50-Y	HST0.8-48-5	HSTT75-Y	HSTTA100-Y	HST1.1-48-5
1/0	HSTT75-Y	HSTTA100-Y	HST1.1-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT75-Y	HSTTA100-Y	HST1.1-48-5
2/0	HSTT100-Y	HSTTA100-Y	HST1.1-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT100-Y	HSTTA100-Y	HST1.1-48-5
3/0	HSTT100-Y	HSTTA150-Y	HST1.1-48-5	HSTT75-Y	HSTTA100-Y	HST0.8-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5
4/0	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT75-Y	HSTTA100-Y	HST1.1-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5
250	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT100-Y	HSTTA100-Y	HST1.1-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5
300	HSTT150-48-5	HSTTA150-Y	HST1.5-48-5	HSTT100-Y	HSTTA100-Y	HST1.1-48-5	HSTT150-Y	HSTTA150-Y	HST1.5-48-5
350	HSTT150-48-5	HSTTA150-Y	HST1.5-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
400	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
500	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
600	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
700	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST2.0-48-2
750	HSTT200-48-5	HSTTA150-Y	HST3.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
800	HSTT200-48-5	—	HST3.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
900	HSTT200-48-5	—	HST3.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
1000	HSTT200-48-5	—	HST3.0-48-2	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
1250	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2	—	—	HST3.0-48-2
1500	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	—	HST3.0-48-2	—	—	—
1750	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	—	HST3.0-48-2	—	—	—
2000	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	—	HST3.0-48-2	—	—	—

Sizing information is based on the following wire types: MTW, THHN, THWN, TFN, THW, TW, TF, RHW, RH, RHH AND UL1015.
THHN is the most common wire type.

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Size Selection for Heat Shrink Tubing

Generally, the largest tube that shrinks down tightly onto an object should be chosen. This allows the heat shrink tubing maximum stress relief and this will yield the longest service life.

Example:

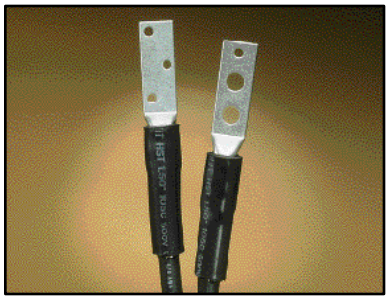
A multiconductor cable needs to be covered with HSTT Type *DRY-SHRINK* ™ Heat Shrink. The area to be covered has a measured outside diameter of .700" (17.8mm). The two possibilities are HSTT75-48-5 and HSTT100-48-5.

Part Number	Expanded I.D. In. (mm)	Recovered I.D. In. (mm)
HSTT75-48-5	.750" (19.0)	.375" (9.5)
HSTT100-48-5	1.00" (25.4)	.500" (12.7)

The proper choice is HSTT100-48-5 since the tube will recover more than HSTT75-48-5. The HSTT75-48-5 will fit over the .700" (17.8mm) outside diameter; however, this is not the proper choice since it is smaller than the HSTT100-48-5. In general, heat shrink should recover at least 10-20% to reduce stress and yield the longest service life.

Thick Wall Heat Shrink and Power Connector Selection Guide

Panduit thick wall heat shrink tubing, HST, provides excellent insulation, abrasion protection and strain relief for Panduit's lugs and splices. The HST, with internal hot melt adhesive, is UL Listed per UL486D and CSA Certified for direct burial. It is suitable for outdoor use and wet locations. The following charts on *page 32* have been designed to assist in the selection of the correct thick wall heat shrink for a specific lug or splice size.



Lugs

Standard Barrel Copper

Lug Part Numbers	# of Holes	Heat Shrink Part Numbers
LCA8	NONE OR 1	HST0.4-3-Q
LCA6	NONE OR 1	HST0.8-6-X
LCA4	NONE OR 1	HST0.8-6-X
LCA2	NONE OR 1	HST0.8-6-X
LCA1	NONE OR 1	HST1.1-6-X
LCA1/0	NONE OR 1	HST1.1-6-X
LCA2/0	NONE OR 1	HST1.1-6-X
LCA3/0	NONE OR 1	HST1.5-9-X
LCA4/0	NONE OR 1	HST1.5-9-X
LCA250	NONE OR 1	HST1.5-9-X
LCA300	1	HST1.5-9-X
LCA350	1	HST2.0-9-5
LCA400	1	HST2.0-9-5
LCA500	1	HST2.0-9-5
LCA600	1	HST2.0-9-5
LCD8	2	HST0.4-3-Q
LCD6	2	HST0.8-6-X
LCD4	2	HST0.8-6-X
LCD2	2	HST0.8-6-X
LCD1	2	HST1.1-6-X
LCD1/0	NONE OR 2	HST1.1-6-X
LCD2/0	NONE OR 2	HST1.1-6-X
LCD3/0	NONE OR 2	HST1.5-9-X
LCD4/0	NONE OR 2	HST1.5-9-X
LCD250	NONE OR 2	HST1.5-9-X
LCD300	NONE OR 2	HST1.5-9-X
LCD350	NONE OR 2	HST2.0-9-5
LCD400	NONE OR 2	HST2.0-9-5
LCD500	NONE OR 2	HST2.0-9-5
LCD600	NONE OR 2	HST2.0-9-5
LCD750	NONE OR 2	HST3.0-12-2
LCD1000	NONE OR 2	HST3.0-12-2

Long Barrel Copper

Lug Part Numbers	# of Holes	Heat Shrink Part Numbers
LCB8	1	HST0.4-3-Q
LCB6	1	HST0.8-6-X
LCB4	1	HST0.8-6-X
LCB2	1	HST0.8-6-X
LCB1	1	HST1.1-6-X
LCB1/0	1	HST1.1-6-X
LCB2/0	1	HST1.1-6-X
LCB3/0	1	HST1.5-9-X
LCB4/0	1	HST1.5-9-X
LCB250	1	HST1.5-9-X
LCB300	1	HST1.5-9-X
LCB350	1	HST2.0-9-5
LCB400	1	HST2.0-9-5
LCB500	1	HST2.0-9-5
LCB600	1	HST2.0-9-5
LCB750	1	HST3.0-12-2
LCB800	1	HST3.0-12-2
LCB1000	1	HST3.0-12-2
LCC8	NONE OR 2	HST0.4-3-Q
LCC6	NONE OR 2	HST0.8-6-X
LCC4	NONE OR 2	HST0.8-6-X
LCC2	NONE OR 2	HST0.8-6-X
LCC1	NONE OR 2	HST0.8-6-X
LCC1/0	NONE OR 2	HST1.1-6-X
LCC2/0	NONE OR 2	HST1.1-6-X
LCC3/0	NONE OR 2	HST1.5-9-X
LCC4/0	NONE OR 2	HST1.5-9-X
LCC250	NONE OR 2	HST1.5-9-X
LCC300	NONE OR 2	HST1.5-9-X
LCC350	NONE OR 2	HST2.0-9-5
LCC400	NONE OR 2	HST2.0-9-5
LCC500	NONE OR 2	HST2.0-9-5
LCC600	NONE OR 2	HST2.0-9-5
LCC750	NONE OR 2	HST3.0-12-2
LCC800	2	HST3.0-12-2
LCC1000	NONE OR 2	HST3.0-12-2

Short Barrel Copper

Lug Part Numbers	# of Holes	Heat Shrink Part Numbers
LCAS8	1	HST0.4-3-Q
LCAS6	1	HST0.8-6-X
LCAS4	1	HST0.8-6-X
LCAS2	1	HST0.8-6-X
LCAS1	1	HST1.1-6-X
LCAS1/0	1	HST1.1-6-X
LCAS2/0	1	HST1.1-6-X
LCAS3/0	1	HST1.5-9-X
LCAS4/0	1	HST1.5-9-X
LCAS250	1	HST1.5-9-X

Aluminum Lugs

Lug Part Numbers	# of Holes	Heat Shrink Part Numbers
LAA6	1	HST0.8-6-X
LAA4	1	HST0.8-6-X
LAA2	1	HST0.8-6-X
LAA1	1	HST1.1-6-X
LCA1	1	HST1.1-6-X
LAA1/0	1	HST1.1-6-X
LAA2/0	1	HST1.1-6-X
LAA3/0	1	HST1.5-9-X
LAA4/0	1	HST1.5-9-X
LAA250	1	HST1.5-9-X
LAA300	1	HST1.5-9-X
LAA350	1	HST2.0-9-5
LAA400	1	HST2.0-9-5
LAA500	1	HST2.0-9-5
LAA750	1	HST3.0-12-2
LAA1000	1	HST3.0-12-2
LAB1/0	2	HST1.1-6-X
LAB2/0	2	HST1.1-6-X
LAB3/0	2	HST1.5-9-X
LAB4/0	2	HST1.5-9-X
LAB250	2	HST1.5-9-X
LAB300	2	HST1.5-9-X
LAB350	2	HST2.0-9-5
LAB400	2	HST2.0-9-5
LAB500	2	HST2.0-9-5
LAB600	2	HST2.0-9-5
LAB750	2	HST3.0-12-2
LAB800	2	HST3.0-12-2
LAB1000	2	HST3.0-12-2

Lug Notes:

Heat Shrink tubing selected should cover the lug barrel and a minimum of 1 1/2" (2" on tubing size 1.5" and higher) of cable insulation. Shrink tubing at lug end first and continue toward cable end.

Splices

Standard Barrel Copper

Splice Part Numbers	Heat Shrink Part Numbers
SCS8	HST0.4-6-X
SCS6	HST0.8-6-X
SCS4	HST0.8-6-X
SCS2	HST0.8-6-X
SCS1	HST1.1-6-X
SCS1/0	HST1.1-6-X
SCS2/0	HST1.1-6-X
SCS3/0	HST1.5-9-X
SCS4/0	HST1.5-9-X
SCS250	HST1.5-9-X
SCS300	HST1.5-9-X
SCS350	HST2.0-9-5
SCS400	HST2.0-9-5
SCS500	HST2.0-9-5
SCS600	HST2.0-9-5
SCS750	HST3.0-12-2
SCS1000	HST3.0-12-2

Long Barrel Copper

Splice Part Numbers	Heat Shrink Part Numbers
SCL8	HST0.4-6-X
SCL6	HST0.8-6-X
SCL4	HST0.8-6-X
SCL2	HST0.8-6-X
SCL1	HST1.1-6-X
SCL1/0	HST1.1-6-X
SCL2/0	HST1.1-6-X
SCL3/0	HST1.5-9-X
SCL4/0	HST1.5-9-X
SCL250	HST1.5-9-X
SCL300	HST1.5-9-X
SCL350	HST2.0-9-5
SCL400	HST2.0-9-5
SCL500	HST2.0-9-5
SCL600	HST2.0-9-5
SCL750	HST3.0-12-2
SCL1000	HST3.0-12-2

Short Barrel Copper

Splice Part Numbers	Heat Shrink Part Numbers
SCSS8	HST0.4-6-X
SCSS6	HST0.8-6-X
SCSS4	HST0.8-6-X
SCSS2	HST0.8-6-X
SCSS1	HST1.1-6-X
SCSS1/0	HST1.1-6-X
SCSS2/0	HST1.1-6-X
SCSS3/0	HST1.5-9-X
SCSS4/0	HST1.5-9-X
SCSS250	HST1.5-9-X

Aluminum Long Barrel

Splice Part Numbers	Heat Shrink Part Numbers
SA6	HST0.8-6-X
SA4	HST0.8-6-X
SA2	HST0.8-6-X
SA1	HST1.1-6-X
SA1/0	HST1.1-6-X
SA2/0	HST1.1-6-X
SA3/0	HST1.5-9-X
SA4/0	HST1.5-9-X
SA250	HST1.5-9-X
SA300	HST1.5-9-X
SA350	HST2.0-9-5
SA400	HST2.0-9-5
SA500	HST2.0-9-5
SA600	HST2.0-9-5
SA750	HST3.0-12-2
SA800	HST3.0-12-2
SA1000	HST3.0-12-2

Splice Notes:

Heat Shrink tubing selected should cover the splice barrel and a minimum of 1 1/2" (2" on tubing size 1.5" and higher) of cable insulation on each side of the splice. Shrink tubing at the center of the splice first, continue toward one cable end and then the other.
Power connector part no. is prefix which indicates lug type and cable size, see Power Connector Catalog (SA101N15C-NL) for complete part numbers.

Technical Data

General Information

Product Type	Material	Key Characteristics	Standard Sizes Expanded I.D.	Applicable Specifications	Standard Colors	Packaging
HSTT	**FLEXIBLE POLYOLEFIN** (Cross-linked)	Flexible Heat Shrink Tubing. Flame retardant. Class 2 (Clear) is not flame retardant.	3/64" to 4" (1.2 to 101.6mm)	AMS-DTL-23053/5 Class 1 (black & colors) Class 2 (Clear) UL Recognized (except clear). CSA Certified (except clear).	Black Clear White Red Yellow Blue Green Yellow/Green	6" pcs. 4' lengths, 25' to 1000' reels depending on diameter 1/2" and 1" cut pieces
HSTTV	**HIGHLY FLEXIBLE POLYOLEFIN** (Cross-linked)	Highly flexible heat shrink tubing, highly flame retardant, VW-1 rated. Fast shrink time.	3/32" to 1 1/2" (2.4 to 38.1mm)	UL (VW-1) Recognized CSA Certified AMS-DTL-23053/5 Class 3	Black Red Yellow Blue White	4' lengths 100' to 1000' reels depending on diameter
HSTTR	**SEMI-RIGID POLYOLEFIN** (Cross-linked)	Semi-rigid. High strength. Flame retardant.	3/64" to 1" (1.2 to 25.4mm)	AMS-DTL-23053/6 Class 1 (Black)	Black	4' lengths
HSTTVA	**DUAL WALL POLYOLEFIN** (Cross-linked)	Adhesive lined, flexible, flame retardant outer wall thin wall tubing.	1/8" to 1 1/2" (3.2 to 38.1mm)	AMS-DTL-23053/4 Class 2	Black	6" pcs. 4' lengths
HSTTRA	**DUAL WALL POLYOLEFIN** (Cross-linked)	Adhesive lined, flexible, flame retardant outer thin wall tubing. High shrink ratio.	1/8" to 1" (3.2 to 25.4mm)	AMS-DTL-23053/4 Class 1	Black	4' lengths
HSTTA	**DUAL WALL POLYOLEFIN** (Cross-linked)	Adhesive lined, flexible, flame retardant outer thin wall tubing. High shrink ratio.	3/16" to 1 1/2" (4.8 to 38.1mm)	AMS-DTL-23053/4 Class 3	Black	6" pcs. 4' lengths
HST	**HEAVY-WALL DUAL WALL POLYOLEFIN** (Cross-linked)	Excellent environmental protection, for use either above or below ground. Encapsulating inner wall.	0.4" to 3.0" (10.1 to 76.2mm)	AMS-DTL-23053/15 UL Listed CSA Certified	Black Red	3" pcs. 6" pcs. 9" pcs. 12" pcs. 4' lengths
HSTTP	**POLYVINYLCHLORIDE – PVC** (Cross-linked/Heat Shrinkable)	Flexible, highly flame retardant tubing. Resistant to most fuels and oils.	3/64" to 2" (1.2 to 50.8mm)	UL(VW-1) Recognized CSA Certified	Black	25' to 1000' reels depending on diameter
HSTTN	**ELASTOMER NEOPRENE** (Cross-linked)	Highly flexible, highly abrasion resistant, heavy duty, tough tubing. Highly flame retardant material. Extended operating temperature.	1/4" to 3" (6.4mm to 76.2mm)	AMS-DTL-23053/1 Class 2 Meets VW-1	Black	25' and 100' Reels
HSTTK	**FLUOROPLASTIC KYNAR▲** (Cross-linked)	Excellent abrasion and chemical resistance, highly flame retardant, semi-rigid, transparent insulation.	3/64" to 1" (1.2 to 25.4mm)	AMS-DTL-23053/8 UL (VW-1) Recognized	Clear	4' lengths
HSTTT	**FLUOROPLASTIC TEFLON■ (TFE) –** Polytetrafluorethylene	Highly heat resistant, highly chemical resistant, widest temperature range of any plastic material. Excellent outdoor exposure. A low coefficient of friction.	30 to 0 AWG and 9/16" to 1 1/2" (0.9 to 38.1mm)	AMS-DTL-23053/12 Class 3	Milky Clear	4' lengths
HSTTT4X	**FLUOROPLASTIC TEFLON■ (TFE) –** Polytetrafluorethylene	Highly heat resistant, highly chemical resistant, widest temperature range of any plastic material. Excellent outdoor exposure. A low coefficient of friction. High shrink ratio.	5/64" to 1 1/4" (2.0 to 31.8mm)	AMS-DTL-23053/12 Class 5	Milky Clear	4' lengths
HSTTF	**FLUOROPLASTIC TEFLON■ (FEP) –** Fluorinated Ethylene Propylene	Same as HSTTT characteristics plus it has lower shrink temperature.	24 to 0AWG and 1/2" to 2" (0.8 to 50.8mm)	AMS-DTL-25053/11 Class 1	Clear	4' lengths

▲ KYNAR is a registered trademark of ELF Atochem ■TEFLON is a registered trademark of E.I. DuPont Co.

Technical Data

General Information

Product Type	Material	Operating Temperature Range	Shrink Temp.	Shrink Ratio ‡	Longitudinal Shrinkage	Typical Applications	Page No.
HSTT	**FLEXIBLE POLYOLEFIN** (Cross-linked)	-67°F (-55°C) to 275°F (135°C)	248°F (120°C)	2:1	+5% -5%	Economical and easy way to insulate, protect, harness and identify electrical and electronic components in a wide variety of applications. Black is U.V. Resistant.	4-10
HSTTV	**HIGHLY FLEXIBLE POLYOLEFIN** (Cross-linked)	-67°F (-55°C) to 257°F (125°C)	185°F (85°C)	2:1	+1% -10%	Use where UL recognition with VW-1 rating is required. Use where the wire component cannot tolerate higher shrink temperatures, reduces application time to insulate, protect, identify, etc. Black is U.V. Resistant.	11-13
HSTTR	**SEMI-RIGID POLYOLEFIN** (Cross-linked)	-67°F (-55°C) to 275°F (135°C)	275°F (135°C)	2:1	+5% -5%	Strain relief and insulation of soldered or crimped connections when protection is needed, tough covering for delicate components, capacitor covers, diodes and resistors. Black is U.V. Resistant.	14
HSTTVA	**DUAL WALL POLYOLEFIN** (Cross-linked)	-67°F (-55°C) to 230°F (110°C)	250°F (121°C)	2:1	+1% -5%	Seals and protects components from moisture and corrosion. Use where a flexible tubing is needed. Suitable for damp locations.	20
HSTTRA	**DUAL WALL POLYOLEFIN** (Cross-linked)	-67°F (-55°C) to 230°F (110°C)	392°F (200°C)	2.5:1	+1% -10%	Environmentally seals and protects components forming a rugged and heavy duty covering. The 2.5:1 shrink ratio is a benefit when working with connector to cable transitions. Encapsulated components. Suitable for damp locations.	22
HSTTA	**DUAL WALL POLYOLEFIN** (Cross-linked)	-67°F (-55°C) to 230°F (110°C)	250°F (121°C)	3:1	+1% -15%	Environmentally seals and protects components. The 3:1 shrink ratio is a benefit when working with connector to cable transitions. Encapsulated components. Suitable for damp locations.	21
HST	**HEAVY-WALL DUAL WALL POLYOLEFIN** (Cross-linked)	-85°F (-65°C) to 230°F (110°C)	250°F (121°C)	3:1	+1% -10%	Seals and protects electrical connections and splices above or below ground, 3:1 shrink ratio. Suitable for outdoor and wet locations.	23
HSTTP	**POLYVINYL CHLORIDE – PVC** (Cross-linked/Heat Shrinkable)	-4°F (-20°C) to 221°F (105°C)	250°F (121°C)	2:1	+1% -20%	Ripple free conformance around sharp bends as in appliance handles and bus bars. Good cut through and solder-iron resistance. Black is U.V. Resistant.	15
HSTTN	**ELASTOMER NEOPRENE** (Cross-linked)	-94°F (-70°C) to 250°F (121°C)	275°F (135°C)	2:1	+1% -10%	Insulation and abrasion resistance, extensive military uses on vehicles and ship-board. Excellent chemical resistant especially to fuels and oils. Black is U.V. Resistant.	16
HSTTK	**FLUOROPLASTIC KYNAR▲** (Cross-linked)	-67°F (-55°C) to 347°F (175°C)	350°F (176°C)	2:1	+10% -10%	Protection and strain relief for wires or connectors in a high temperature or solvent rich environment. Insulation of heater leads.	19
HSTTT	**FLUOROPLASTIC TEFLON■ (TFE) –** Polytetrafluorethylene	-88°F (-67°C) to 482°F (250°C)	625°F (329°C). See instructions on *page 29*	2:1	+20% -20%	High insulation and abrasion resistance. High temperature, strain relief, resists corrosive atmospheres, self lubrication and non-wetting. Can be used with fiber optics and as a strain relief for high density connectors. U.V. Resistant	17
HSTTT4X	**FLUOROPLASTIC TEFLON■ (TFE) –** Polytetrafluorethylene	-88°F (-67°C) to 482°F (250°C)	625°F (329°C). See instructions on *page 29*	4:1	+20% -20%	High insulation and abrasion resistance. High temperature, strain relief, resists corrosive atmospheres, self lubrication and non-wetting. Can be used with fiber optics and as a strain relief for high density connectors. U.V. Resistant	17
HSTTF	**FLUOROPLASTIC TEFLON■ (FEP) –** Fluorinated Ethylene Propylene	-88°F (-67°C) to 392°F (200°C)	350°F (176°C)	1.3:1	+15% -15%	All the advantages of TFE tubing plus the advantage of a lower shrink temperature. Can be used with fiber optics and as a strain relief for high density connectors. U.V. Resistant	18

‡ Dimensions are approximate. Refer to the ordering information for exact Minimum Expanded and Maximum Recovered I.D

▲KYNAR is a registered trademark of ELF Atochem ■TEFLON is a registered trademark of E.I. DuPont Co.

Technical Data

Specifications/Test Methods for *PANDUIT* Heat Shrink Tubing

Product Type	Material	Tensile Strength	Ultimate Elongation	Heat Aging	Heat Shock	Low Temperature Flexibility	Secant Modulus
HSTT	**FLEXIBLE POLYOLEFIN** (Cross-linked)	1500 P.S.I. (10.3 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	175°C/168 hrs. 100% MIN. Elongation	250°C/4 hrs. No dripping, No flowing, No cracking	-55°C/4 hrs. No cracking	25,000 P.S.I. (172.4 MPa) MAX. ASTM D882
HSTTV	**HIGHLY FLEXIBLE POLYOLEFIN** (Cross-linked)	1500 P.S.I. (10.3 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	150°C/168 hrs. 100% MIN. Elongation	250°C/4 hrs. No dripping, No flowing, No cracking	-25°C/4 hrs. No cracking	25,000 P.S.I. (172.4 MPa) MAX. ASTM D882
HSTTR	**SEMI-RIGID POLYOLEFIN** (Cross-linked)	2000 P.S.I. (13.8 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	175°C/168 hrs. 100% MIN. Elongation	250°C/4 hrs. No dripping, No flowing, No cracking	-55°C/4 hrs. No cracking	25,000 P.S.I. (172.4 MPa) MIN. ASTM D882
HSTTVA	**DUAL WALL POLYOLEFIN** (Cross-linked)	1500 P.S.I. (10.3 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	175°C/168 hrs. No dripping No flowing No cracking	250°C/4 hrs. No dripping, No flowing, No cracking	N/A	25,000 P.S.I. (172.4 MPa) MAX. ASTM D882
HSTTRA	**DUAL WALL POLYOLEFIN** (Cross-linked)	1500 P.S.I. (10.3 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	175°C/168 hrs. No dripping No flowing No cracking	250°C/4 hrs. No dripping, No flowing, No cracking	N/A	25,000 P.S.I. (172.4 MPa) MIN. ASTM D882
HSTTA	**DUAL WALL POLYOLEFIN** (Cross-linked)	1300 P.S.I. (9.0 MPa) MIN. ASTM D638	250% (MIN.) ASTM D638	175°C/168 hrs. No dripping No flowing No cracking	250°C/4 hrs. No dripping, No flowing, No cracking	N/A	25,000 P.S.I. (172.4 MPa) MAX. ASTM D882
HST	**HEAVY-WALL DUAL WALL POLYOLEFIN** (Cross-linked)	1200 P.S.I. (8.3 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	175°C/168 hrs. 100% MIN. Elongation	225°C/4 hrs. No dripping, No flowing, No cracking	-55°C/4 hrs. No cracking	25,000 P.S.I. (172.4 MPa) MAX. ASTM D882
HSTTP	**POLYVINYLCHLORIDE – PVC** (Cross-linked/Heat Shrinkable)	2000 P.S.I. (13.8 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	135°C/168 hrs. 130% MIN Elongation	200°C/4 hrs. No dripping, No flowing, No cracking	No cracking ASTM 746	25,000 P.S.I. (172.4 MPa) MAX. ASTM D882
HSTTN	**ELASTOMER NEOPRENE** (Cross-linked)	1500 P.S.I. (10.3 MPa) MIN. ASTM D412	225% (MIN.) ASTM D412	121°C/168 hrs. 175% MIN. Elongation	200°C/4 hrs. No dripping, No flowing, No cracking	-70°C/4 hrs. No cracking	N/A
HSTTK	**FLUOROPLASTIC KYNAR▲ (Cross-linked)**	5000 P.S.I. (34.5 MPa) MIN. ASTM D638	150% (MIN.) ASTM D638	250°C/168 hrs. 50% MIN. Elongation	300°C/4 hrs. No dripping, No flowing, No cracking	-55°C/4 hrs. No cracking	120,000 P.S.I (690 MPa) MIN. ASTM D882
HSTTT	**FLUOROPLASTIC TEFLON ■ (TFE) –** Polytetrafluorethylene	2500 P.S.I. (17.3 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	350°C/96 hrs. 200% MIN. Elongation	400°C/4 hrs. No dripping, No flowing, No cracking	-65°C/4 hrs. No cracking	N/A
HSTTT4X	**FLUOROPLASTIC TEFLON ■ (TFE) –** Polytetrafluorethylene	2500 P.S.I. (17.3 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	350°C/96 hrs. 200% MIN. Elongation	400°C/4 hrs. No dripping, No flowing, No cracking	-65°C/4 hrs. No cracking	N/A
HSTTF	**FLUOROPLASTIC TEFLON ■ (FEP) –** Fluorinated Ethylene Propylene	2000 P.S.I. (13.8 MPa) MIN. ASTM D638	200% (MIN.) ASTM D638	250°C/96 hrs. 200% MIN. Elongation	N/A	-65°C/4 hrs. No cracking	N/A

▲KYNAR is a registered trademark of ELF Atochem ■TEFLON is a registered trademark of E.I. DuPont Co.

Technical Data

Specifications/Test Methods for *PANDUIT* Heat Shrink Tubing

Product Type	Material	Specific Gravity	Copper Corrosion	Flammability	Water Absorption	Fluid Resistance	Volume Resistivity	Dielectric Strength	Page No.
HSTT	**FLEXIBLE POLYOLEFIN** (Cross-linked)	Class 1, 1.35 Class 2, 1.0 ASTM D792	175°C/ 16 hrs. No corrosion	Class 1 Self Extinguishing Class 2 N/A ASTM D2671 Procedure B	0.5% MAX. ASTM D570	Tensile Strength 1000 P.S.I. MIN. (6.9MPa) Dielectric Strength 400 V/MIL MIN. (15.8 Kv/mm)	10^{14} MIN. ASTM D876	500 V/MIL. (19.7 Kv/mm) MIN. ASTM D2671	4-10
HSTTV	**HIGHLY FLEXIBLE POLYOLEFIN** (Cross-linked)	1.50 ASTM D792	175°C/ 16 hrs. No corrosion	Self Extinguishing ASTM D2671 Procedure C	0.5% MAX. ASTM D570	Tensile Strength 1000 P.S.I. MIN. (6.9MPa) Dielectric Strength 400 V/MIL MIN. (15.8 Kv/mm)	10^{14} MIN. ASTM D876	500 V/MIL. (19.7 Kv/mm) MIN. ASTM D2671	11-13
HSTTR	**SEMI-RIGID POLYOLEFIN** (Cross-linked)	1.35 ASTM D792	150°C/ 16 hrs. No corrosion	Self Extinguishing ASTM D2671 Procedure B	0.5% MAX. ASTM D570	Tensile Strength 1600 P.S.I. MIN. (11.1MPa) Dielectric Strength 400 V/MIL MIN. (15.8 Kv/mm)	10^{14} MIN. ASTM D876	500 V/MIL. (19.7 Kv/mm) MIN. ASTM D2671	14
HSTTVA	**DUAL WALL POLYOLEFIN** (Cross-linked)	N/A	121°C/ 16 hrs. No corrosion	Self Extinguishing ASTM D2671 Procedure B	0.5% MAX. ASTM D570	Tensile Strength 1000 P.S.I. MIN. (6.9 MPa) Dielectric Strength 400 V/MIL MIN. (15.8 Kv/mm)	10^{12} MIN. ASTM D876	500 V/MIL. (19.7 Kv/mm) MIN. ASTM D2671	20
HSTTRA	**DUAL WALL POLYOLEFIN** (Cross-linked)	N/A	121°C/ 16 hrs. No corrosion	N/A	0.5% MAX. ASTM D570	Tensile Strength 1000 P.S.I. MIN. (6.9 MPa) Dielectric Strength 400 V/MIL MIN. (15.8 Kv/mm)	10^{15} MIN. ASTM D876	500 V/MIL. (19.7 Kv/mm) min. ASTM D2671	22
HSTTA	**DUAL WALL POLYOLEFIN** (Cross-linked)	N/A	121°C/ 16 hrs. No corrosion	Self Extinguishing ASTM D2671 Procedure B	1.0% MAX. ASTM D570	Tensile Strength 900 P.S.I. MIN. (6.2 MPa) Dielectric Strength 200 V/MIL MIN. (7.9 Kv/mm)	10^{12} MIN. ASTM D876	300 V/MIL. (11.8 Kv/mm) MIN. ASTM D2671	21
HST	**HEAVY-WALL DUAL WALL POLYOLEFIN** (Cross-linked)	1.2 MAX.	120°C/ 16 hrs. No corrosion	Self Extinguishing ASTM D2671 Procedure C	0.5% MAX. ASTM D570	Tensile Strength 750 P.S.I. MIN. (5.2 MPa) Dielectric Strength 200 V/MIL MIN. (7.9 Kv/mm)	10^{13} MIN. ASTM D876	200 V/MIL. (7.9 Kv/mm) MIN. ASTM D2671	23
HSTTP	**POLYVINYL-CHLORIDE – PVC** (Cross-linked/Heat Shrinkable)	1.35 MAX.	135°C/ 168 hrs. No corrosion	Self Extinguishing ASTM D876	1.0% MAX. ASTM D570	Tensile Strength 1800 P.S.I. MIN. (MPa) Dielectric Strength 280 V/MIL MIN.	10^{11} MIN. ASTM D876	400 V/MIL. (15.8 Kv/mm) MIN. ASTM D2671	15
HSTTN	**ELASTOMER NEOPRENE** (Cross-linked)	1.30 ASTM D792	150°C/ 16 hrs. No corrosion	Self Extinguishing ASTM D876	1.0% MAX. ASTM D570	Tensile Strength 1000 P.S.I. MIN. (6.9 MPa) Dielectric Strength 250 V/MIL MIN. (9.8 Kv/mm)	10^{11} MIN. ASTM D876	300V/MIL. (11.8 Kv/mm) MIN. ASTM D2671	16
HSTTK	**FLUOROPLASTIC KYNAR▲** (Cross-linked)	1.8 MAX. ASTM D792	** Non-corrosive	Pass MIL-DTL-23053/8B 4.6.15.3	0.5% MAX. ASTM D570	Tensile Strength 5000 P.S.I. MIN. (34.5 MPa) Dielectric Strength 500 V/MIL MIN. (19.7 Kv/mm)	10^{13} MIN. ASTM D876	Size to .500" (12.7mm) 800V/MIL. (31.5 Kv/mm)min. Over .500" (12.7mm) 600 V/MIL (23.6 Kv/mm) min. ASTM D2671	19
HSTTT	**FLUOROPLASTIC TEFLON■ (TFE) –** Polytetrafluorethylene	2.2 MAX. ASTM D792	** Non-corrosive	N/A Non-flammable	0.01% MAX. ASTM D570	No change N/A	10^{18} MIN. ASTM D876	800 V/MIL. (31.5 Kv/mm) MIN. ASTM D2671	17
HSTTT4X	**FLUOROPLASTIC TEFLON■ (TFE) –** Polytetrafluorethylene	2.2 MAX. ASTM D792	** Non-corrosive	N/A Non-flammable	0.01% MAX. ASTM D570	No change N/A	10^{18} MIN. ASTM D876	800 V/MIL. (31.5 Kv/mm) MIN. ASTM D2671	17
HSTTF	**FLUOROPLASTIC TEFLON■ (FEP) –** Fluorinated Ethylene Propylene	2.2 MAX.	** Non-corrosive	N/A Non-flammable	0.01% MAX. ASTM D570	No change N/A	10^{17} MIN. ASTM D876	500 V/MIL. MIN. (19.7Kv/mm) MIN. ASTM D2671	18

** Material is non-corrosive at operating temperatures

▲ KYNAR is a registered trademark of ELF Atochem ■ TEFLON is a registered trademark of E.I. DuPont Co.

Power Connectors used with *DRY-SHRINK*™, *DAMP-SHRINK*™ and *WET-SHRINK*™ Heat Shrink

***PANDUIT*® offers a broad line of Power Connectors and Tools for virtually any application in sizes #14 AWG thru 1000 MCM. See Power Connector Catalog, SA101N15C-NL or Network Grounding Systems Catalog, SA101N516-NL for complete information.**

Selection

Panduit offers two basic styles of connectors, compression and mechanical, for use in grounding and power cable connections.

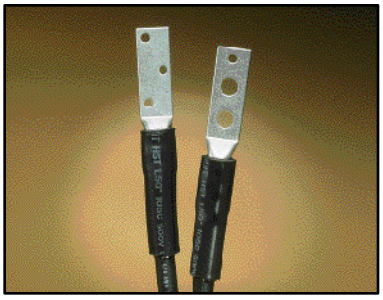
Compression Connectors

Compression connectors provide reliable, permanently crimped connections in sizes matched for each conductor size. They are easy to install and provide a simplified means of inspection of a proper crimp.

Panduit *WET-SHRINK* Type HST Thick Wall Heat Shrink and Panduit Compression Splice Connectors are UL listed to standard 486D, for direct burial applications.

WET-SHRINK Type HST Thick Wall Heat Shrink insulates Panduit Compression Lug barrels in a wide variety of applications.

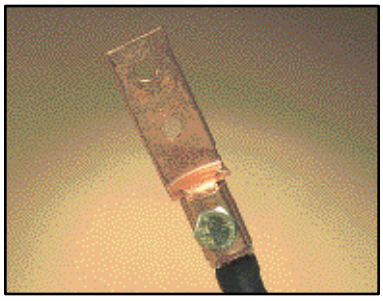
Custom Lugs



Panduit has incorporated manufacturing processes that permit quick custom lug capabilities. Panduit offers a wide variety of dimensional choices for #8 AWG to 250 MCM copper compression lugs. Contact factory for complete details.

Panduit *DRY-SHRINK* Thin Wall Heat Shrink is available in custom cut lengths. Contact factory for details.

Mechanical Connectors



Panduit offers this economical, reusable type of connector in many styles in both copper and dual rated aluminum types. Each size connector can be used for a wide range of conductor sizes which reduces inventory costs. Special installation tools are not required.

Tooling

Panduit's broad line of crimping tools include hand operated controlled-cycle, hydraulic and battery powered. Also available are *UNI-DIE*™ dieless tools.

PVC Tubing

- Provides insulation and protection for lead wires, wire harness assemblies, soldered joints and components in electrical and electronic equipment
- Material: Polyvinyl chloride (PVC)
- Voltage Rating: 300V and 600V
- All purpose, flexible, non-shrinkable
- Resistant to heat and moisture
- Applicable Specifications:
  UL224 VW-1
  CSA C22.2 No. 198.1 (OFT)
  ASTM D-922, Grade CFR
  MIL-I-631, Type F, Form U, Grade C
  Class 1, Category 1

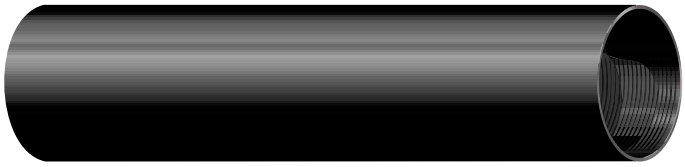
VW-1 OFT

The Functional Part Number System Makes Ordering Easy

Non-Shrink PVC Tubing Part Number System

TV105 - 19 M

Type	Nominal Size		Package Quantity
TV105	24 - 24 AWG	4 - 4 AWG	L - 50' (15.2M)
	22 - 22 AWG	3 - 3 AWG	C - 100' (30.5M)
	20 - 20 AWG	2 - 2 AWG	TL - 250' (76.2M)
	19 - 19 AWG	1 - 1 AWG	D - 500' (152.4M)
	18 - 18 AWG	0 - 0 AWG	M - 1000' (304.8M)
	17 - 17 AWG	.25 - 1/4"	2.5M - 2500' (762M)
	16 - 16 AWG	.31 - 5/16"	
	15 - 15 AWG	.38 - 3/8"	
	14 - 14 AWG	.44 - 6/16"	
	13 - 13 AWG	.50 - 1/2"	
	12 - 12 AWG	.56 - 9/16"	
	11 - 11 AWG	.63 - 5/8"	
	10 - 10 AWG	.75 - 3/4"	
	9 - 9 AWG	.88 - 7/8"	
	8 - 8 AWG	1.0 - 1"	
	7 - 7 AWG	1.25 - 1 1/4"	
	6 - 6 AWG	1.50 - 1 1/2"	
	5 - 5 AWG		



VW-1 OFT

Type	Materials	
TV105	Polyvinyl Chloride	
300V/600V**	-4°F to 221°F (-20°C to 105°C)	MIL-I-631, Type F, Form U Grade C Class 1, Cat 1
Highly Flexible	Oil Resistant	Highly Flame Retardant VW-1

PVC Tubing Ordering Information

Part Number Clear	Part Number Black	Nominal Size/ Trade Name	Inside Diameter- In. (mm)		Wall Thickness In. (mm)	Max. Volt Rating**	Std. Pkg. Qty.*	Std. Ctn. Qty.
			Maximum	Minimum				
TV105-242.5M	TV105-242.5M20	24 AWG	.027" (0.68)	.020" (0.51)	.012" (.30)	300V	1 Reel, 2500' (762M)	2 Reels
TV105-222.5M	TV105-222.5M20	22 AWG	.032" (0.81)	.025" (0.69)	.012" (.30)	300V	1 Reel, 2500' (762M)	2 Reels
TV105-20M	TV105-20M20	20 AWG	.039" (0.99)	.032" (0.81)	.016" (.41)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-19M	TV105-19M20	19 AWG	.042" (1.06)	.036" (0.91)	.016" (4.1)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-18M	TV105-18M20	18 AWG	.049" (1.24)	.040" (1.02)	.016" (.41)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-17M	TV105-17M20	17 AWG	.053" (1.34)	.045" (1.14)	.016" (4.1)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-16M	TV105-16M20	16 AWG	.061" (1.54)	.051" (1.30)	.016" (.41)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-15M	TV105-15M20	15 AWG	.066" (1.67)	.057" (1.45)	.016" (4.1)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-14M	TV105-14M20	14 AWG	.072" (1.82)	.064" (1.63)	.016" (.41)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-13M	TV105-13M20	13 AWG	.080" (2.03)	.072" (1.83)	.016" (4.1)	300V	1 Reel, 1000' (304.8M)	2 Reels
TV105-12D	TV105-12D20	12 AWG	.089" (2.26)	.081" (2.06)	.016" (.41)	300V	1 Reel, 500' (152.4M)	2 Reels
TV105-11D	TV105-11D20	11 AWG	.101" (2.56)	.091" (2.31)	.016" (4.1)	300V	1 Reel, 500' (152.4M)	2 Reels
TV105-10D	TV105-10D20	10 AWG	.112" (2.84)	.102" (2.59)	.016" (.41)	300V	1 Reel, 500' (152.4M)	2 Reels
TV105-9D	TV105-9D20	9 AWG	.124" (3.14)	.114" (2.90)	.020" (.51)	300V	1 Reel, 500' (152.4M)	2 Reels
TV105-8D	TV105-8D20	8 AWG	.141" (3.58)	.129" (3.28)	.020" (.51)	300V	1 Reel, 500' (152.4M)	2 Reels
TV105-7D	TV105-7D20	7 AWG	.158" (4.01)	.144" (3.66)	.020" (.51)	300V	1 Reel, 500' (152.4M)	2 Reels
TV105-6TL	TV105-6TL20	6 AWG	.178" (4.52)	.162" (4.11)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-5TL	TV105-5TL20	5 AWG	.198" (5.02)	.182" (4.62)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-4TL	TV105-4TL20	4 AWG	.224" (5.68)	.204" (5.18)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-3TL	TV105-3TL20	3 AWG	.249" (6.32)	.229" (5.82)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-2TL	TV105-2TL20	2 AWG	.278" (7.06)	.258" (6.55)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-1TL	TV105-1TL20	1 AWG	.311" (7.89)	.289" (7.34)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-0TL	TV105-0TL20	0 AWG	.347" (8.81)	.325" (8.26)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-.25TL	TV105-.25TL20	1/4"	.265" (6.73)	.245" (6.22)	.020" (.51)	300V	1 Reel, 250' (76.2M)	2 Reels
TV105-.31TL	TV105-.31TL20	5/16"	.334" (8.48)	.313" (7.95)	.025" (.64)	600V	1 Reel, 250' (76.2M)	2 Reels
TV105-.38TL	TV105-.38TL20	3/8"	.399" (10.13)	.375" (9.53)	.025" (.64)	600V	1 Reel, 250' (76.2M)	2 Reels
TV105-.44TL	TV105-.44TL20	7/16"	.462" (11.73)	.438" (11.13)	.025" (.64)	600V	1 Reel, 250' (76.2M)	2 Reels
TV105-.50TL	TV105-.50TL20	1/2"	.524" (13.30)	.500" (12.70)	.025" (.64)	600V	1 Reel, 250' (76.2M)	2 Reels
TV105-.56C	TV105-.56C20	9/16"	.585" (14.85)	.563" (14.30)	.030" (.76)	600V	1 Reel, 100' (30.5M)	2 Reels
TV105-.63C	TV105-.63C20	5/8"	.655"(16.63)	.625" (15.88)	.030" (.76)	600V	1 Reel, 100' (30.5M)	2 Reels
TV105-.75C	TV105-.75C20	3/4"	.786" (19.96)	.750" (19.05)	.035" (.89)	600V	1 Reel, 100' (30.5M)	2 Reels
TV105-.88C	TV105-.88C20	7/8"	.911" (23.13)	.875" (22.23)	.035" (.89)	600V	1 Reel, 100' (30.5M)	2 Reels
TV105-1.0L	TV105-1.0L20	1"	1.036" (26.31)	1.000" (25.40)	.035" (.89)	600V	1 Reel, 50' (15.2M)	2 Reels
TV105-1.25L	TV105-1.25L20	1 1/4"	1.290" (32.76)	1.250" (31.75)	.040" (1.02)	600V	1 Reel, 50' (15.2M)	2 Reels
TV105-1.50L	TV105-1.50L20	1 1/2"	1.550" (39.37)	1.500" (38.10)	.045" (1.14)	600V	1 Reel, 50' (15.2M)	2 Reels

* Order in multiples of Std. Pkg. Qty. ** UL Voltage Rating is a function of wall thickness.

Abrasion Protection Products

Spiral Wrapping

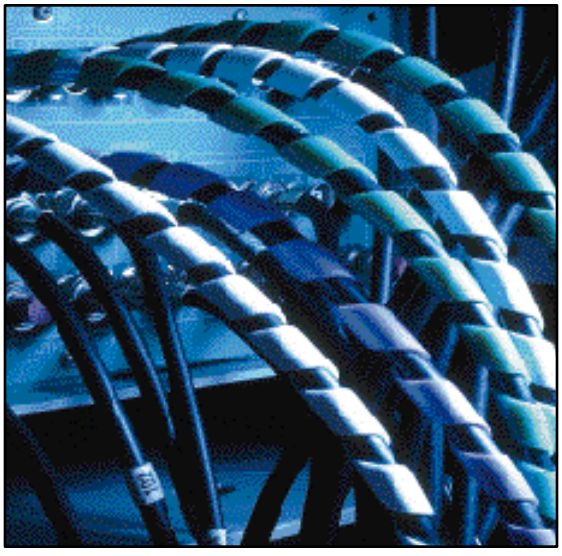
Features and Benefits

U.L. Recognized

- Largest variety of colors, materials and sizes
- Available in seven different materials and twelve different colors
- Colors conform to Communications Wiring Standards
- Color code wire bundles
- Flexible, neat, fast
- Allows breakouts of single/multiple wires and rerouting of replacement wires
- Harness multiple cables into a single manageable bundle
- Abrasion protection for wires, cables, hoses and tubing
- Reusable
- Tool supplied in each package

Spiral Wrapping Suggested Applications

Use Panduit Spiral Wrapping in office and industrial environments for the following applications:



- Organize wires for communication and computer equipment where access to the wires is required
- In OEM applications for protecting tubes and harnesses
- Abrasion protection for control panel wiring
- Personal computer and printer wire organization
- Protect glass tubes from abrasion and breakage
- Kink-proofing for all kinds of tubing... ideal for laboratories
- Eliminates lacing cord and tie-offs
- Use orange spiral wrapping for protecting and identifying fiber optic cables

The Functional Part Number System Makes Ordering Easy

Spiral Wrap Part Number Description

T 25 F - C 16

Type
T Spiral Wrap

Outside Diameter
12 = 1/8"
25 = 1/4"
38 = 3/8"
50 = 1/2"
62 = 5/8"
75 = 3/4"
100 = 1"

Material
F = Polyethylene and Weather Resistant Polyethylene
R = Fire Resistant
FR = Flame Retardant
N = Nylon
T = Teflon‡

Package Size
X = 10'
Q = 25'
L - 50'
C - 100'
T = 200'
TL - 250'
D - 500'
M - 1000'

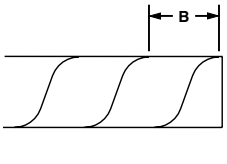
Color Suffix
See Table Below

Color Availability

		Material						
Color	**Color Suffix***	**Polyethylene**	**Weather Resistant Polyethylene**	**Fire Resistant Polyethylene**	**Flame Retardant Polyethylene**	**Nylon**	**Weather Resistant Nylon**	**TEFLON‡**
Natural (Clear)	Leave Blank			Natural Color is White	Natural Color is White			
Weather Resistant Black	0							
Brown	1							
Red	2							
Orange	3							
Yellow	4							
Green	5							
Blue	6							
Purple	7							
Gray	8							
White	10							
Pink	16							
Black	20							

Blank = Not applicable
* Colors are stocked for 1/4" and 1/2" Polyethylene. Other sizes available. Contact factory.

Ordering Information — Spiral Wrapping



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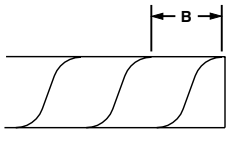
Ordering Information — Spiral Wrapping

Part Number	Material	Color	A In. (mm)	B In. (mm)	T In. (mm)	Bundle Size In. (mm)	Length	Std. Pkg. Qty*
T12F-C	Polyethylene	Natural	0.125" (3.2)	0.218" (5.5)	0.03" (.76)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T19F-C		Natural	0.188" (4.8)	0.250" (6.4)	0.035" (0.89)	1/8" (3.2) - 1" (25.4)	100' (30.5M)	1 Pkg.
T25F-X		Natural	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	10' (3.0M)	1 Pkg.
T25F-C		Natural	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C1		Brown	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C10		White	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C16		Pink	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C2		Red	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C3		Orange	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C4		Yellow	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C5		Green	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C6		Blue	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C7		Purple	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25F-C8		Gray	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T38F-C		Natural	0.375" (9.5)	0.437" (11.1)	0.055" (1.4)	5/16" (7.9) – 3" (76.2)	100' (30.5M)	1 Pkg.
T50F-X		Natural	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	10' (3.0M)	1 Pkg.
T50F-C		Natural	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C1		Brown	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C10		White	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C16		Pink	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C2		Red	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C3		Orange	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C4		Yellow	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C5		Green	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C6		Blue	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C7		Purple	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50F-C8		Gray	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T62F-C		Natural	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) – 4 1/2" (114.3)	100' (30.5M)	1 Pkg.
T75F-C		Natural	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) – 5" (127)	100' (30.5M)	1 Pkg.
T100F-C		Natural	1" (25.4)	1.125" (28.6)	0.07" (1.78)	7/8" (22.2) – 6" (152.4)	100' (30.5M)	1 Pkg.
T12F-C0	Weather	Black	0.125" (3.2)	0.218" (5.5)	0.03" (.76)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T19F-X0	Resistant	Black	0.188" (4.8)	0.250" (6.4)	0.035" (0.89)	1/8" (3.2) - 1" (25.4)	10' (3.0M)	1 Pkg.
T25F-X0	Polyethylene	Black	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	10' (3.0M)	1 Pkg.
T25F-C0		Black	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100'(30.5M)	1 Pkg.
T38F-C0		Black	0.375" (9.5)	0.437" (11.1)	0.055" (1.4)	5/16" (7.9) – 3" (76.2)	100' (30.5M)	1 Pkg.
T50F-X0		Black	0.5" (12.7)	0.5" (12.7)	0.06" (1.5	3/8" (9.5) – 4" (101.6)	10' (3.0M)	1 Pkg.
T50F-C0		Black	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T62F-C0		Black	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) – 4 1/2" (114.3)	100' (30.5M)	1 Pkg.
T75F-C0		Black	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) – 5" (127)	100' (30.5M)	1 Pkg.
T100F-C0		Black	1" (25.4)	1.125" (28.6)	0.07" (1.78)	7/8" (22.2) – 6" (152.4)	100' (30.5M)	1 Pkg.

*Order in multiples of Std. Pkg. Qty.

NOTE: Custom cut-to-length sizes are available upon request. Contact factory for details.



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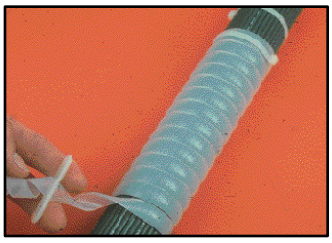


Ordering Information — Spiral Wrapping

Part Number	Material	Color	A In. (mm)	B In. (mm)	T In. (mm)	Bundle Size In. (mm)	Length	Std. Pkg. Qty*
T12R-C	Fire Resistant Polyethylene	White	0.125" (3.2)	0.218" (5.5)	0.03" (.76)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T19R-C		White	0.188" (4.8)	0.250" (6.4)	0.035" (0.89)	1/8" (3.2) – 1" (25.4)	100' (30.5M)	1 Pkg.
T25R-C		White	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25R-C20		Black	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T38R-C		White	0.375" (9.5)	0.437" (11.1)	0.055" (1.4)	5/16" (7.9) – 3" (76.2)	100' (30.5M)	1 Pkg.
T50R-C		White	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T62R-C		White	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) – 4 1/2" (114.3)	100' (30.5M)	1 Pkg.
T75R-C		White	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) – 5" (127)	100' (30.5M)	1 Pkg.
T100R-C		White	1" (25.4)	1.125" (28.6)	0.07" (1.78)	7/8" (22.2) – 6" (152.4)	100' (30.5M)	1 Pkg.
T12FR-C	Flame Retardant Polyethylene	White	0.125" (3.2)	0.218" (5.5)	0.03" (.76)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T12FR-C20		Black	0.125" (3.2)	0.218" (5.5)	0.03" (.76)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T19FR-C		White	0.188" (4.8)	0.250" (6.4)	0.032" (0.81)	1/8" (3.2) – 1" (25.4)	100' (30.5M)	1 Pkg.
T19FR-C20		Black	0.188" (4.8)	0.250" (6.4)	0.032" (0.81)	1/8" (3.2) – 1" (25.4)	100' (30.5M)	1 Pkg.
T25FR-C		White	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25FR-C20		Black	0.25" (6.4)	0.375" (9.5)	0.04" (1.02)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T38FR-C		White	0.375" (9.5)	0.437" (11.1)	0.055" (1.4)	5/16" (7.9) – 3" (76.2)	100' (30.5M)	1 Pkg.
T38FR-C20		Black	0.375" (9.5)	0.437" (11.1)	0.055" (1.4)	5/16" (7.9) – 3" (76.2)	100' (30.5M)	1 Pkg.
T50FR-C		White	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50FR-C20		Black	0.5" (12.7)	0.5" (12.7)	0.06" (1.5)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T62FR-C		White	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) – 4 1/2" (114.3)	100' (30.5M)	1 Pkg.
T62FR-C20		Black	0.625" (15.9)	0.625" (15.9)	0.062" (1.57)	1/2" (12.7) – 4 1/2" (114.3)	100' (30.5M)	1 Pkg.
T75FR-C		White	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) – 5" (127)	100' (30.5M)	1 Pkg.
T75FR-C20		Black	0.75" (19.1)	0.875" (22.2)	0.065" (1.65)	5/8" (15.9) – 5" (127)	100' (30.5M)	1 Pkg.
T100FR-C		White	1" (25.4)	1.125" (28.6)	0.07" (1.78)	7/8" (22.2) – 6" (152.4)	100' (30.5M)	1 Pkg.
T100FR-C20		Black	1" (25.4)	1.125" (28.6)	0.07" (1.78)	7/8" (22.2) – 6" (152.4)	100' (30.5M)	1 Pkg.
T12N-C	Nylon (Black Nylon is weather resistant)	Natural	0.125" (3.2)	0.218" (5.5)	0.015" (.38)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T12N-C0		Black	0.125" (3.2)	0.218" (5.5)	0.015" (.38)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T19N-C		Natural	0.188" (4.8)	0.250" (6.4)	0.020" (0.51)	1/8" (3.2) – 1" (25.4)	100' (30.5M)	1 Pkg.
T19N-C0		Black	0.188" (4.8)	0.250" (6.4)	0.020" (0.51)	1/8" (3.2) – 1" (25.4)	100' (30.5M)	1 Pkg.
T25N-C		Natural	0.25" (6.4)	0.375" (9.5)	0.023" (.58)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T25N-C0		Black	0.25" (6.4)	0.375" (9.5)	0.023" (.58)	3/16" (4.8) – 2" (50.8)	100' (30.5M)	1 Pkg.
T38N-C		Natural	0.375" (9.5)	0.437" (11.1)	0.03" (.76)	5/16" (7.9) – 3" (76.2)	100' (30.5M)	1 Pkg.
T38N-C0		Black	0.375" (9.5)	0.437" (11.1)	0.03" (.76)	5/16" (7.9) – 3" (76.2)	100' (30.5M)	1 Pkg.
T50N-C		Natural	0.5" (12.7)	0.5" (12.7)	0.032" (.81)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T50N-C0		Black	0.5" (12.7)	0.5" (12.7)	0.032" (.81)	3/8" (9.5) – 4" (101.6)	100' (30.5M)	1 Pkg.
T62N-C		Natural	0.625" (15.9)	0.625" (15.9)	0.035" (.89)	1/2" (12.7) – 4 1/2" (114.3)	100' (30.5M)	1 Pkg.
T62N-C0		Black	0.625" (15.9)	0.625" (15.9)	0.035" (.89)	1/2" (12.7) – 4 1/2" (114.3)	100' (30.5M)	1 Pkg.
T75N-C		Natural	0.75" (19.1)	0.875" (22.2)	0.04" (1.01)	5/8" (15.9) – 5" (127)	100' (30.5M)	1 Pkg.
T75N-C0		Black	0.75" (19.1)	0.875" (22.2)	0.04" (1.01)	5/8" (15.9) – 5" (127)	100' (30.5M)	1 Pkg.
T100N-C		Natural	1" (25.4)	1.125" (28.6)	0.045" (1.0)	7/8" (22.2) – 6" (152.4)	100' (30.5M)	1 Pkg.
T100N-C0		Black	1" (25.4)	1.125" (28.6)	0.045" (1.0)	7/8" (22.2) – 6" (152.4)	100' (30.5M)	1 Pkg.
T12T-C	TEFLON‡	Natural	0.125" (3.2)	0.218" (5.5)	0.02" (.5)	1/16" (1.6) – 1/2" (12.7)	100' (30.5M)	1 Pkg.
T19T-C		Natural	0.188" (4.8)	0.250" (6.4)	0.03" (.76)	1/8" (3.2) – 1" (25.4)	100' (30.5M)	1 Pkg.
T25T-L		Natural	0.25" (6.4)	0.375" (9.5)	0.03" (.76)	3/16" (4.8) – 2" (50.8)	50' (15.2M)	1 Pkg.
T50T-Q		Natural	0.5" (12.7)	0.5" (12.7)	0.03" (.76)	3/8" (9.5) – 4" (101.6)	25' (7.6M)	1 Pkg.
T62T-Q		Natural	0.625" (15.9)	0.625" (15.9)	0.03" (.76)	1/2" (12.7) – 4 1/2" (114.3)	25' (7.6M)	1 Pkg.
T75T-X		Natural	0.75" (19.1)	0.875" (22.2)	0.03" (.76)	5/8" (15.9) – 5" (127)	10' (3.0M)	1 Pkg.
T100T-X		Natural	1" (25.4)	1.125" (28.6)	0.04" (1.01)	7/8" (22.2) – 6" (152.4)	10' (3.0M)	1 Pkg.

*Order in multiples of Std. Pkg. Qty.

‡ TEFLON or equivalent fluorocarbon PTFE material is used. TEFLON is a registered trademark of E.I. DuPont Co.

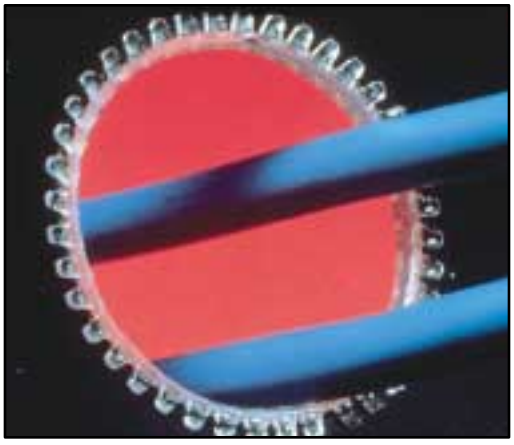
NOTE: Custom cut-to-length sizes are available upon request. Contact factory for details.

PANDUIT® Grommet Edging

Features and Benefits

- Nylon grommet edging strips conform to the Military Standard MS21266

Grommet Edging Suggested Applications



- Use the slotted wall in irregularly shaped and round panel holes
- Use the solid wall product on straight edges

Use these tables as a guide to determine *PANDUIT* Grommet Edging Sizes. The common sheet metal dimensions listed below are based on the "Manufacturers Standard Gauge for Steel."

Grommet Edging Military Cross Reference	
GE52-C	MS21266-1N
GE85-C	MS21266-2N
GE128-C	MS21266-3N
GE192-L	MS21266-4N
GE255-L	MS21266-5N
GE318-L	MS21266-6N
GE380-Q	MS21266-7N
GE510-Q	MS21266-8N

Gage	Manufacturer Standard Gage for Steel (In.)
5	0.2092
6	0.1943
7	0.1793
8	0.1644
9	0.1495
10	0.1345
11	0.1196
12	0.1046
13	0.0897

Gage	Manufacturer Standard Gage for Steel (In.)
14	0.0747
15	0.0673
16	0.0598
17	0.0538
18	0.0478
19	0.0418
20	0.0359
21	0.0329
22	0.0299

Gage	Manufacturer Standard Gage for Steel (In.)
23	0.0269
24	0.0239
25	0.0209
26	0.0179
27	0.0164
28	0.0149
29	0.0135
30	0.0120

The Functional Part Number System Makes Ordering Easy

Grommet Edging Part Number Description

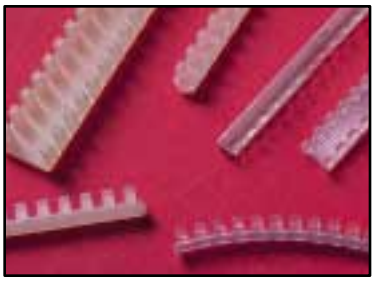
Example: GEE 36 F-A-C 0

Part Description	Max. Panel Thickness	F Material	Adhesive	Package Size	Color Suffix
G. Edging/Strips = GE	36 = .036" thickness	F = Polyethylene	A = Rubber Based	Q = 25'	0 = Weather Resistant Black
G. Edging/Slotted = GEE	62 = .062" thickness	N = Nylon		L = 50'	Leave Blank = Natural
G. Edging/Solid = GES				C = 100'	

PANDUIT ® Grommet Edging

Protects and insulates wires and cables from chafing against sharp edges

Choose from five materials:

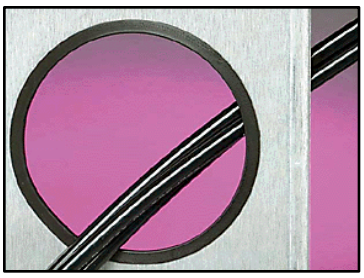


Nylon

- Self extinguishing
- For indoor use up to 149°F (65°C)

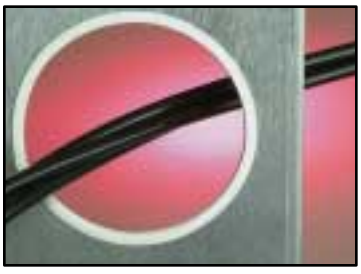
Polyethylene

- General purpose material for indoor use up to 122°F(50°C)
- Style GEE and GES provided in .030" (0.8mm) thick material, makes them highly flexible
- Available with slotted or solid wall construction



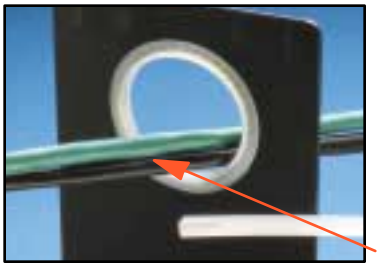
Weather Resistant Polyethylene

- For outdoor use up to 122°F (50°C)
- Excellent resistance to acid rain and ultra-violet light



Flame Retardant Polyethylene

- Will not support a flame
- Available with slotted or solid wall construction



Adhesive Lined Polyethylene

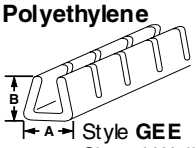
- Base is lined with a pressure sensitive adhesive
- Available in natural and weather resistant
- Adhesive ensures that the product will stay where it is installed

Ordering Information—Grommet Edging

Panduit Part Number	Material	Color	Panel Thickness In. (mm)	Dimensions—In. (mm) A	Dimensions—In. (mm) B	Feet Per Pkg.	Std. Pkg. Qty.*
GEE36F-C	Continuous Polyethylene (Slotted Wall)	Natural	.026" (.7) – .036" (.9)	.106" (2.7)	.117" (3.0)	100' (30.5M)	1 Roll
GEE36F-C0		Black	.026" (.7) – .036" (.9)	.106" (2.7)	.117" (3.0)	100' (30.5M)	1 Roll
GEE62F-C		Natural	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GEE62F-C0		Black	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GEE99F-C		Natural	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GEE99F-C0		Black	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GEE144F-C		Natural	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GEE144F-C0		Black	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GES36F-C	Continuous Polyethylene (Solid Wall)	Natural	.026" (.7) – .036" (.9)	.106" (2.7)	.117" (3.0)	100' (30.5M)	1 Roll
GES36F-C0		Black	.026" (.7) – .036" (.9)	.106" (2.7)	.117" (3.0)	100' (30.5M)	1 Roll
GES62F-C		Natural	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GES62F-C0		Black	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GES99F-C		Natural	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GES99F-C0		Black	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GES144F-C		Natural	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GES144F-C0		Black	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GES189F-C		Natural	.144" (3.7) – .189" (4.8)	.297" (7.6)	.301" (7.7)	100' (30.5M)	1 Roll
GES189F-C0		Black	.144" (3.7) – .189" (4.8)	.297" (7.6)	.301" (7.7)	100' (30.5M)	1 Roll
GEE62F-A-C	Continuous Polyethylene With ADHESIVE (Slotted Wall)	Natural	036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GEE62F-A-C0		Black	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GEE99F-A-C		Natural	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GEE99F-A-C0		Black	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GEE144F-A-C		Natural	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GEE144F-A-C0		Black	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GES62F-A-C	Continuous Polyethylene With ADHESIVE (Solid Wall)	Natural	036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GES62F-A-C0		Black	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GES99F-A-C		Natural	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GES99F-A-C0		Black	.062" (1.6) – .099" (2.5)	.169" (4.3)	.186" (4.7)	100' (30.5M)	1 Roll
GES144F-A-C		Natural	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GES144F-A-C0		Black	.099" (2.5) – .144" (3.7)	.213" (5.4)	.222" (5.6)	100' (30.5M)	1 Roll
GEE36FR-C	Flame Retardant Polyethylene (Slotted Wall)	Natural	.026" (.7) – .036" (.9)	.106" (2.7)	.117" (3.0)	100' (30.5M)	1 Roll
GEE62FR-C		Natural	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GEE99FR-C		Natural	.062" (1.6) – .099" (2.5)	.169" (4.3)	.155" (3.9)	100' (30.5M)	1 Roll
GEE144FR-C		Natural	.099" (2.5) – .144" (3.7)	.213" (5.4)	.232" (5.9)	100' (30.5M)	1 Roll
GES36FR-C	Flame Retardant Polyethylene (Solid Wall)	Natural	.026" (.7) – .036" (.9)	.106" (2.7)	.117" (3.0)	100' (30.5M)	1 Roll
GES62FR-C		Natural	.036" (.9) – .062" (1.6)	.131" (3.3)	.160" (4.1)	100' (30.5M)	1 Roll
GES99FR-C		Natural	.062" (1.6) – .099" (2.5)	.169" (4.3)	.155" (3.9)	100' (30.5M)	1 Roll
GES144FR-C		Natural	.099" (2.5) – .144" (3.7)	.213" (5.4)	.232" (5.9)	100' (30.5M)	1 Roll
GEE47N-C	Continuous Nylon (Slotted Wall)	Natural	.020" (.5) – .047" (1.2)	.130" (3.3)	.140" (3.5)	100' (30.5M)	1 Roll
GEE55N-C		Natural	.047" (1.2) – .055" (1.4)	.133" (3.4)	.140" (3.5)	100' (30.5M)	1 Roll
GEE71N-C		Natural	.055" (1.4) – .071" (1.8)	.150" (3.8)	.140" (3.5)	100' (30.5M)	1 Roll
GEE98N-C		Natural	.071" (1.8) – .098" (2.5)	.180" (4.6)	.140" (3.5)	100' (30.5M)	1 Roll
GEE134N-C		Natural	.098" (2.5) – .134" (3.4)	.210" (5.3)	.140" (3.5)	100' (30.5M)	1 Roll

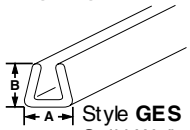
*Order in multiples of Std. Pkg. Qty.

Polyethylene



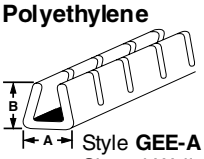
Style **GEE** Slotted Wall
Continuous (100 Ft.) Rolls

Polyethylene



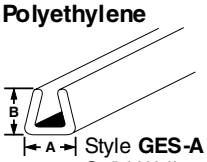
Style **GES** Solid Wall
Continuous (100 Ft.) Rolls

Adhesive Lined Polyethylene



Style **GEE-A** Slotted Wall
Continuous (100 Ft.) Rolls

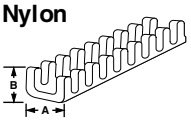
Adhesive Lined Polyethylene



Style **GES-A** Solid Wall
Continuous (100 Ft.) Rolls

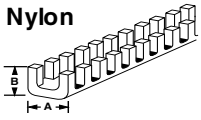
Panduit Part Number	Material	Color	Panel Thickness In. (mm)	Dimensions—In. (mm)		Pieces Per Pkg.	Std. Pkg. Qty.*
GE52-C	Military Standard MS21266 12.75" Nylon Strips ** (-69) designates Flame Retardant) ▲	Natural	.015" (.4) – .052" (1.3)	.150" (3.8)	.155" (3.9)	100 (30.5M)	Strips
GE52-C69▲		Natural	.015" (.4) – .052" (1.3)	.150" (3.8)	.155" (3.9)	100 (30.5M)	Strips
GE85-C		Natural	.052" (1.3) – .085" (2.2)	.175" (4.5)	.155" (3.9)	100 (30.5M)	Strips
GE85-C69▲		Natural	.052" (1.3) – .085" (2.2)	.175" (4.5)	.155" (3.9)	100 (30.5M)	Strips
GE128-C		Natural	.085" (2.2) – .128" (3.3)	.220" (5.6)	.155" (3.9)	100 (30.5M)	Strips
GE128-C69▲		Natural	.085" (2.2) – .128" (3.3)	.220" (5.6)	.155" (3.9)	100 (30.5M)	Strips
GE192-L		Natural	.128" (3.3) – .192" (4.9)	.325" (8.3)	.230" (5.8)	50 (15.2M)	Strips
GE192-L69▲		Natural	.128" (3.3) – .192" (4.9)	.325" (8.3)	.230" (5.8)	50 (15.2M)	Strips
GE255-L		Natural	.192" (4.9) – .255" (6.5)	.385" (9.8)	.240" (6.1)	50 (15.2M)	Strips
GE318-L		Natural	.255" (6.5) – .318" (8.1)	.455" (11.3)	.255" (6.5)	50 (15.2M)	Strips
GE380-Q		Natural	.318" (8.1) – .380" (9.7)	.515" (13.1)	.255" (6.5)	25 (7.6M)	Strips
GE510-Q		Natural	.380" (9.7) – .510" (13.0)	.640" (16.3)	.255" (6.5)	25 (7.6M)	Strips

Nylon



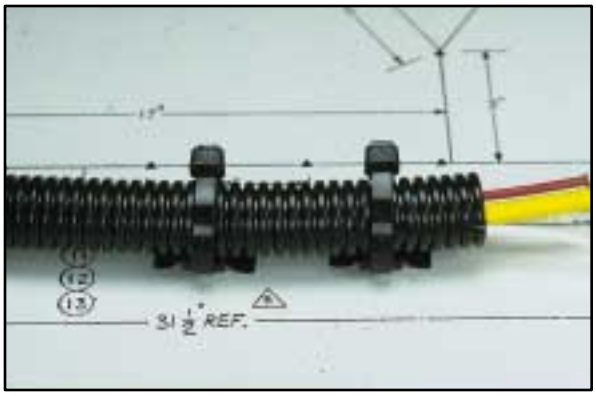
Continuous (100 Ft.) Rolls
Style **GEE** Slotted Wall

Nylon



Style **GE** Slotted Wall
12 3/4" strips

*Order in multiples of Std. Pkg. Qty.
** Military Standard Nylon Strips (GE Series), order the number of strips required in multiples of Std. Pkg. Qty.
▲ This material is not listed under Military Standard MS21266.



Corrugated Loom Tubing

- *PANDUIT*® Corrugated Loom Tubing is offered for applications where spiral wrapping or braided expandable sleeving may be difficult to install or where they do not offer the amount of protection required.
- Available in Nylon or Polyethylene, this product features a lengthwise slit which makes it easy to install onto a bundle of wires or a pre-assembled harness assembly.

Features and Benefits

- Protects and reduces the risk of damage to wiring
- Crush, impact and abrasion resistant
- Slit wall design for ease of installation
- Available in easy to handle 100' lengths
- Available in black and orange polyethylene and black heat stabilized nylon
- Mount it in place with push type cable ties, adhesive or push type mounts.

Corrugated Loom Tubing Suggested Applications

- Bundle wires in control panels
- Contain and organize loose and bundled wiring harnesses
- Route wires in automotive, truck, trailer, bus, conversion van, emergency service and recreational vehicle applications
- Protect wires in off road/mobile equipment
- Use in mining equipment
- Marine applications for protecting wires on boats and ships

Wiring Accessories for Corrugated Loom Tubing

- Tie Harness Mounts have a specially designed location tab on the mount that aligns with grooves in corrugated loom tubing to ensure proper mount location during assembly. Refer to *PANDUIT* Cable Tie and Wiring Accessories Catalog, SA101N275C-WC for more information.

The Functional Part Number System Makes Ordering Easy

Corrugated Loom Tubing Part Number Description

Example: CLT 100 N-C 630

Part Description	Bundle Diameter	Material	Package Size	Color Suffix
Corrugated Loom Tubing CLT= Slit Wall CLTS= Solid Wall	25 = 1/4" 35 = 5/16" 38 = 3/8" 50 = 1/2" 62 = 5/8" 75 = 3/4" 100 = 1" 125 = 1 1/4" 150 = 1 1/2" 188 = 1 7/8"	N = Heat Stabilized Nylon F = Polyethylene	X = 10' L = 50' C = 100' T = 200' D = 500'	630 = Heat Stabilized Black Nylon 20 = Black Polyethylene 3= Orange 4= Yellow

Ordering Information — Corrugated Loom Tubing

PANDUIT® Part Number		Material	Color	Inside Diameter	Outside Diameter	Feet Per Pkg.	Pkg. Qty.*
Slit	Solid						
CLT25F-C20	CLTS25F-C	Polyethylene	Black	.265" (6.7)	.390" (9.9)	100'	1 Roll
CLT35F-C20	CLTS35F-C			.350" (8.9)	.500" (12.7)	100'	
CLT38F-C20	CLTS38F-C			.414" (10.5)	.556" (14.1)	100'	
CLT50F-C20	CLTS50F-C			.505" (12.8)	.670" (17.0)	100'	
CLT62F-C20	CLTS62F-C			.665" (16.9)	.830" (21.1)	100'	
CLT75F-C20	CLTS75F-C			.760" (19.3)	.935" (23.7)	100'	
CLT100F-C20	CLTS100F-C			.915" (23.2)	1.090" (27.7)	100'	
CLT125F-L20	CLTS125F-L			1.290" (32.8)	1.500" (38.1)	50'	
CLT150F-X20	**			1.550" (39.1)	1.860" (47.2)	10'	
CLT150F-T20	**			1.550" (39.1)	1.860" (47.2)	200'	
CLT150F-D20	CLTS150F-D			1.550" (39.1)	1.860" (47.2)	500'	
CLT188F-X20	**			1.881" (47.8)	2.169" (55.1)	10'	
CLT188F-C20	**			1.881" (47.8)	2.169" (55.1)	100'	
CLT188F-6C20	**			1.881" (47.8)	2.169" (55.1)	600'	
CLT25F-C3	CLTS25F-C3	Polyethylene	Orange	.265" (6.7)	390" (9.9)	100'	1 Roll
CLT35F-C3	CLTS35F-C3			.350" (8.9)	.500" (12.7)	100'	
CLT38F-C3	CLTS38F-C3			.414" (10.5)	.556" (14.1)	100'	
CLT50F-C3	CLTS50F-C3			.505" (12.8)	.670" (17.0)	100'	
CLT62F-C3	CLTS62F-C3			.665" (16.9)	.830" (21.1)	100'	
CLT75F-C3	CLTS75F-C3			.760" (19.3)	.935" (23.7)	100'	
CLT100F-C3	CLTS100F-C3			.915" (23.2)	1.090" (27.7)	100'	
CLT125F-L3	CLTS125F-L3			1.290" (32.8)	1.500" (38.1)	50'	
CLT150F-X3	**			1.550" (39.1)	1.860" (47.2)	10'	
CLT150F-T3	**			1.550" (39.1)	1.860" (47.2)	200'	
CLT150F-D3	CLTS150F-D3			1.550" (39.1)	1.860" (47.2)	500'	
CLT188F-X3	**			1.881" (47.8)	2.169" (55.1)	10'	
CLT188F-C3	**			1.881" (47.8)	2.169" (55.1)	100'	
CLT188F-6C3	**			1.881" (47.8)	2.169" (55.1)	600'	
CLT125F-L4	**	Polyethylene	Yellow	1.290" (32.8)	1.500" (38.1)	50'	1 Roll
CLT150F-X4	**			1.550" (39.1)	1.860" (47.2)	10'	
CLT150F-T4	**			1.550" (39.1)	1.860" (47.2)	200'	
CLT150F-D4	**			1.550" (39.1)	1.860" (47.2)	500'	
CLT188F-X4	**			1.881" (47.8)	2.169" (55.1)	10'	
CLT188F-C4	**			1.881" (47.8)	2.169" (55.1)	100'	
CLT188F-6C4	**			1.881" (47.8)	2.169" (55.1)	600'	
CLT25N-C630	CLTS25N-C	Heat Stabilized Black Nylon	Black	.265" (6.7)	.390" (9.9)	100'	1 Roll
CLT35N-C630	CLTS35N-C			.350" (8.9)	.500" (12.7)	100'	
CLT38N-C630	CLTS38N-C			.414" (10.5)	.556" (14.1)	100'	
CLT50N-C630	CLTS50N-C			.505" (12.8)	.670" (17.0)	100'	
CLT62N-C630	CLTS62N-C			.665" (16.9)	.830" (21.1)	100'	
CLT75N-C630	CLTS75N-C			.760" (19.3)	.935" (23.7)	100'	
CLT100N-C630	CLTS100N-C			.915" (23.2)	1.090" (27.7)	100'	
CLT125N-L630	CLTS125N-L			1.290" (32.8)	1.500" (38.1)	50'	
CLT150N-D630	CLTS150N-D			1.550" (39.1)	1.860" (47.2)	500'	
CLT188N-6C630	**			1.881" (47.8)	2.169" (55.1)	600'	

*Order number of rolls required.

**Contact factory for additional sizes, materials, colors, and bulk packaging.

NOTE: Custom cut-to-length sizes are available upon request. Contact factory for details.

Braided Expandable Sleeving — Polyethylene Terephthalate — PET

- Provides continuous abrasion resistance for wires, cables and tubing
- Lightweight, durable protection
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Allows for use with irregular shapes
- Stock colors: Black, gray and white
- See *page 50* for cutting tools

The Functional Part Number System Makes Ordering Easy

Braided Expandable Sleeving Part Number Description

Example: SE 25 PFR-M R 0

Part Description	Nom. I.D. Size	Material	Package Size		Color Suffix
Sleeving	12 = 1/8" (3.2)	P = Polyethylene Terephthalate (PET)	L = 50' (15.2M)	R = Reel	0 = Black
Expandable	25 = 1/4" (6.4)	PFR = Polyethylene Terephthalate (PET) Flame Retardant	C = 100' (30.5M)		8 = Gray
	38 = 3/8" (9.5)	PFRLD = PET Light duty braid construction (Flame Retardant)	T = 200' (61.0M)		10 = White
	50 = 1/2" (12.7)	PLD = PET Light duty braid construction	D = 500' (152.4M)		
	75 = 3/4" (19.1)		M = 1000' (304.8M)		
	125 = 1 1/4" (31.8)				
	150 = 1 1/2" (38.1)				
	175 = 1 3/4" (44.5)				

Ordering Information — Braided Expandable Sleeving

Part Number Black	Part Number Gray	Part Number White	Nominal I.D. Inches (mm)	Nominal Diameter Range Inches (mm)	Std. Pkg. Qty.*	Std. Ctn. Qty.
SE12P-TR0 SE12P-MR0	SE12P-TR8 SE12P-MR8	— SE12P-MR10	.125" (3.2)	.094" to .250" (2.4) to (6.4)	1 Reel, 200' (61.0M) 1 Reel, 1000' (304.8M)	4 Reels 2 Reels
SE25P-TR0 SE25P-MR0 SE25PLD-MR0	SE25P-TR8 SE25P-MR8 —	— SE25P-MR10 —	.250" (6.4)	.125" to .375" (3.2) to (9.5)	1 Reel, 200' (61.0M) 1 Reel, 1000' (304.8M) 1 Reel, 1000' (304.8M)	4 Reels 2 Reels 2 Reels
SE38P-TR0 SE38P-MR0	SE38P-TR8 SE38P-MR8	— SE38P-MR10	.375" ((9.5)	.188" to .562" (4.7) to (14.3)	1 Reel, 200' (61.0M) 1 Reel, 1000' (304.8M)	4 Reels 2 Reels
SE50P-CR0 SE50P-DR0	SE50P-CR8 SE50P-DR8	— SE50P-DR10	.500" (12.7)	.250" to .750" (6.4) to (19.1)	1 Reel, 100' (30.5M) 1 Reel, 500' (152.4M)	4 Reels 2 Reels
SE75P-CR0 SE75P-DR0	SE75P-CR8 SE75P-DR8	— SE75P-DR10	.750" (19.1)	.500" to 1.25" (12.7) to (31.8)	1 Reel, 100' (30.5M) 1 Reel, 500' (152.4M)	4 Reels 2 Reels
SE125P-LR0 SE125P-TR0	SE125P-LR8 SE125P-TR8	— SE125P-TR10	1.25" (31.8)	.750" to 1.50" (19.1) to (38.1)	1 Reel, 50' (15.2M) 1 Reel, 200' (61.0M)	4 Reels 2 Reels
SE150P-LR0 SE150P-TR0	SE150P-LR8 SE150P-TR8	— SE150P-TR10	1.50" (38.1)	1.00" to 2.25" (25.4) to (57.2)	1 Reel, 50' (15.2M) 1 Reel, 200' (61.0M)	4 Reels 2 Reels
SE175P-TR0	—	—	1.75" (44.5)	1.25" to 2.75" (31.8) to (69.8)	1 Reel, 200' (61.0M)	2 Reels

* Order number of reels required.

Braided Expandable Sleeving — Flame Retardant Polyethylene Terephthalate — PET

- Provides continuous abrasion resistance for wires, cables and tubing
- Lightweight, durable protection
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Allows for use with irregular shapes
- Self extinguishing, meets UL VW-1
- Stock colors: Black or gray with white tracer, or in white with black tracer to identify flame retardant material
- See bottom of this page for cutting tools

Ordering Information — Flame Retardant Braided Expandable Sleeving

Part Number Black	Part Number Gray	Part Number White	Nominal I.D. Inches (mm)	Nominal Diameter Range Inches (mm)	Std. Pkg. Qty.*	Std. Ctn. Qty.
SE12PFR-TR0 SE12PFR-MR0	SE12PFR-TR8 SE12PFR-MR8	— SE12PFR-MR10	.125" (3.2)	.094" to .250" (2.4) to (6.4)	1 Reel, 200' (61.0M) 1 Reel, 1000' (304.8M)	4 Reels 2 Reels
SE25PFR-TR0 SE25PFR-MR0 SE25PFRLD-MR0	SE25PFR-TR8 SE25PFR-MR8 —	— SE25PFR-MR10 —	.250" (6.4)	.125" to .375" (3.2) to (9.5)	1 Reel, 200' (61.0M) 1 Reel, 1000' (304.8M) 1 Reel, 1000' (304.8M)	4 Reels 2 Reels 2 Reels
SE38PFR-TR0 SE38PFR-MR0	SE38PFR-TR8 SE38PFR-MR8	— SE38PFR-MR10	.375" (9.5)	.188" to .625" (4.7) to (15.9)	1 Reel, 200' (61.0M) 1 Reel, 1000' (304.8M)	4 Reels 2 Reels
SE50PFR-CR0 SE50PFR-DR0	SE50PFR-CR8 SE50PFR-DR8	— SE50PFR-DR10	.500" (12.7)	.250" to .750" (6.4) to (19.1)	1 Reel, 100' (30.5M) 1 Reel, 500' (152.4M)	4 Reels 2 Reels
SE75PFR-CR0 SE75PFR-DR0	SE75PFR-CR8 SE75PFR-DR8	— SE75PFR-DR10	.750" (19.1)	.500" to 1.25" (12.7) to (31.8)	1 Reel, 100' (30.5M) 1 Reel, 500' (152.4M)	4 Reels 2 Reels
SE125PFR-LR0 SE125PFR-TR0	SE125PFR-LR8 SE125PFR-TR8	— SE125PFR-TR10	1.25" (31.8)	.750" to 1.50" (19.1) to (38.1)	1 Reel, 50' (15.2M) 1 Reel, 200' (61.0M)	4 Reels 2 Reels
SE150PFR-LR0 SE150PFR-TR0	SE150PFR-LR8 SE150PFR-TR8	— SE150PFR-TR10	1.50" (38.1)	1.00" to 2.25" (25.4) to (57.2)	1 Reel, 50' (15.2M) 1 Reel, 200' (61.0M)	4 Reels 2 Reels
SE175PFR-TR0	—	—	1.75" (44.5)	1.25" to 2.75" (31.8) to (69.8)	1 Reel, 200' (61.0M)	2 Reels

* Order number of reels required.

Tooling Head (HKBS)

Sleeving Cutter/End Sealer Blade —
Used with popular soldering guns to cut and seal sleeving.

Part Number	Description	Std. Pkg. Qty*
HKBS	For dual straight shank soldering guns with .500" spacing Typical Guns: WELLER straight shank Model 8200; WEN Model 199 or 100	1

* Order number of blades required.

Bench Mount Cutter/End Sealer

Available Directly from Manufacturer

Pearson Industries
P.O. Box 36
Prattville, AL 36067
(334) 365-5416

Abrasion Protection Products Flammability Tests and Classifications

- A number of test procedures have been developed which can be used for the evaluation and comparison of various materials to support combustion.
- Review the following classifications to find which category is designed to suit your abrasion and protection applications.

UL94 Vertical Burning Test

Samples of material, with dimension 5" by 1/2" and the thickness of the intended end use product, are tested in a unaged “as manufactured” state and in an aged state (7 days at 158F° ,70°C). The test requires the placement of a precisely controlled flame under a vertically supported specimen for a 10 second period. The flame is removed and the duration of flaming is recorded. If the flame extinguishes, the specimen is immediately subjected to a second 10 second ignition period. Duration of flaming is again recorded. A piece of surgical cotton is placed under the specimen. If drips ignite the cotton, this fact is also recorded.

MATERIALS CLASSIFIED 94V-0

Materials classified 94V-0 shall:

- Not have any specimens which burn with flaming combustion for more than 10 seconds after either application of the test flame.
- Not have a total flaming combustion time exceeding 50 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Not have any specimens which drip flaming particles that ignite the dry absorbent surgical cotton located 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 30 seconds after the second removal of the test flame.

(Cont. on *page 52*)

MATERIALS CLASSIFIED 94V-1

Materials classified 94V-1 shall:

- Not have a total flaming combustion time exceeding 250 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Not have any specimens which drip flaming particles that ignite the dry absorbent surgical cotton located 12"(305mm) below the test specimen.
- Not have an specimens with glowing combustion which persists for more than 60 seconds after the second removal of the test flame.

MATERIALS CLASSIFIED 94V-2

Materials classified 94V-2 shall:

- Not have any specimens which burn with flaming combustion for more than 30 seconds after either application of the test flame.
- Not have a total flaming combustion time exceeding 250 seconds for the 10 flame applications for each set of five specimens.
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp.
- Be permitted to have specimens which drip flaming particles which burn only briefly some of which ignite the dry absorbent surgical cotton located 12" (305mm) below the test specimen.
- Not have any specimens with glowing combustion which persists for more than 60 seconds after the second removal of the test flame.

MATERIALS CLASSIFIED UL-94 HB

- Specimens shall have a maximum burn rate of 1.5 in./min over 3 inches of thickness of 0.120" to 0.5".
- Specimens shall have a maximum burn rate of 2.5 in./min over 3 inches for a thickness less than 0.120".

UL224 VERTICAL WIRE FLAME TEST

Samples of fully recovered tubing are placed over a length of fine spring steel music wire. The test requires the precise placement of a controlled flame that contacts the heat shrink tubing. The flame is applied in five fifteen second intervals with a time period between applications. If the flame extinguishes immediately after the first flame removal, subsequent flame applications are made to the tubing. Duration of specimen flaming is noted. A piece of surgical cotton is placed under the specimen. If a flaming or glowing piece of tubing drips and ignites the cotton, this is also noted.

MATERIALS CLASSIFIED AS VW-1 SHALL:

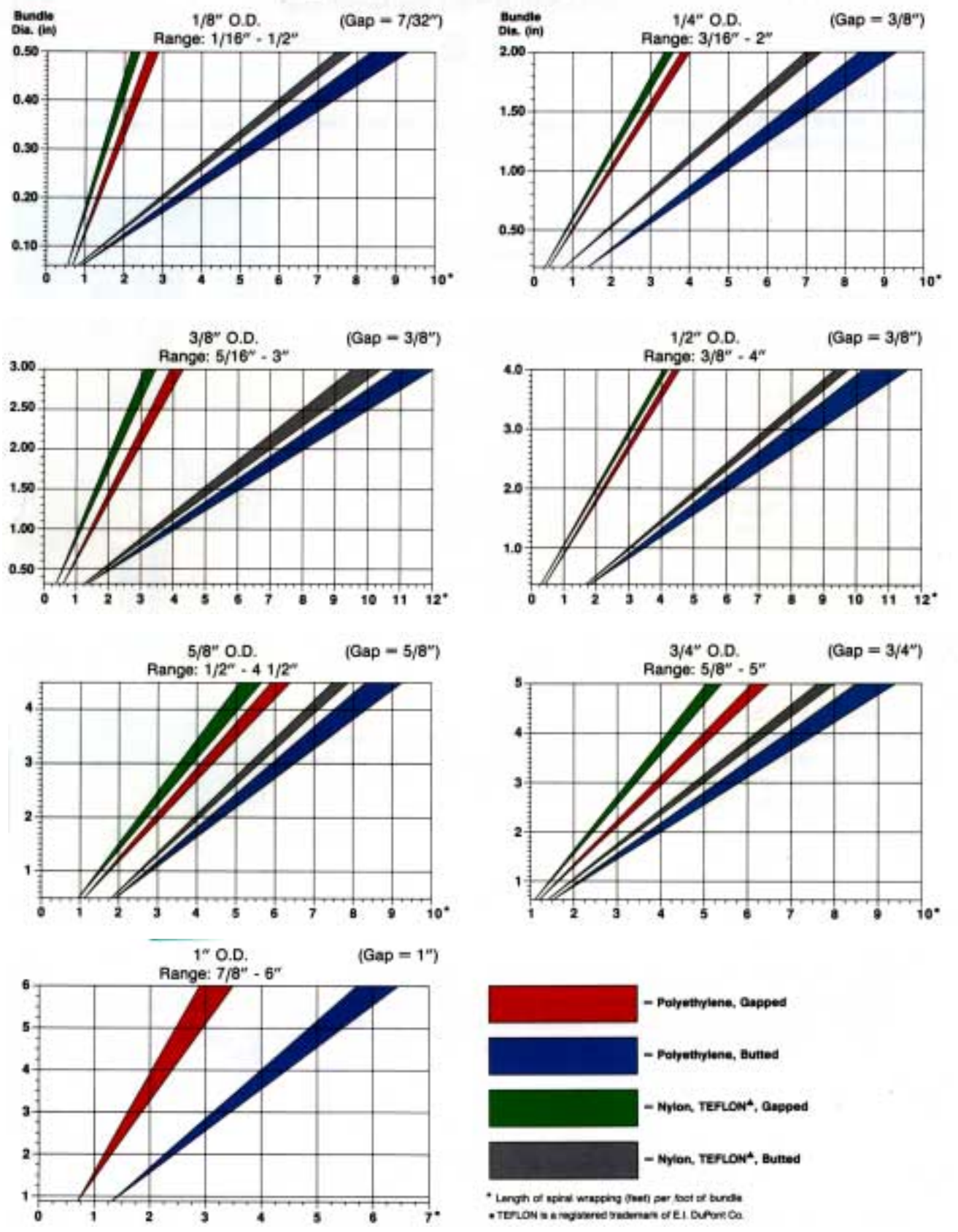
- Not flame or glow longer than 60 seconds following any of the five applications of the flame.
- Not ignite or damage more than 25% of kraft paper flag that is placed around the top of the tubing.
- Not have any specimens which drip flaming particles and ignite the surgical cotton located 9 1/2 inches below the test specimen.

Abrasion Protection Materials
Technical Data

		Ratings and Approvals			Physical Properties				Chemical Resistance			
		UL Temperature Index	Flammability (UL94)	Melting Temperature	Abrasion Resistance (Lower number is better)	Specific Gravity (D792)	Minimum Tensile @ 23°C (psi)	Water Absorption (Max. 24 hrs.)	Organic Solvents	Alkalies	Acids	Petro-Chemicals
SPIRAL WRAPPING & GROMMET EDGING	**Natural Polyethylene** Our lowest cost material for indoor use up to 122°F. Natural is available in all sizes. Colors are available in 1/4" and 1/2".	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	.91 - .93	1400 (D638)	.01%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Weather Resistant Polyethylene This material has the same properties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	20 mg	.93 - 1.09	2000 (D638)	.03%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	No Discoloration
	Flame Retardant Polyethylene UL94-V2 Rating This material is self extinguishing and passes the UL94 flame retardant test with a V2 rating	-40°F (-40°C) to 122°F (50°C)	V-2	239°F (115°C)	27 mg	1.00 - 1.30	1400 (D638)	.02%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Flame Retardant Polyethylene UL94-V0 Rating This material is self extinguishing and passes the UL94 flame retardant test with a V0 rating	-40°F (-40°C) to 140°F (60°C)	V-0	270°F (132°C)	22 mg	1.38	1200	.02%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Nylon Our Nylon is strong, durable, self-extinguishing material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.	-40°F (-40°C) to 149°F (65°C)	V-2	491°F (255°C)	7 mg	1.03 - 1.15	12,400 (D638)	1.5%	Resistant except to phenols and formic acid	Resistant	Resistant to most weak acids	No Discoloration
	Weather Resistant Nylon This material has the same properties as natural Nylon and also has additives which allow it to resist the effects of ultraviolet light in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 149°F (65°C)	V-2	491°F (255°C)	7 mg	1.03 - 1.15	12,400 (D638)	1.5%	Resistant except to phenols and formic acid	Resistant	Resistant to most weak acids	No Discoloration
SPIRAL WRAPPING	**TEFLON‡** This material is a non-flammable, fluorocarbon resin material. Suitable for use in any application (including nuclear containment). It is rated up to 356°F. Color: Natural with a bluish cast.	-40°F (-40°C) to 365°F (180°C)	V-0	520°F (271°C)	7 mg	2.10 - 2.20	2500 (D638)	.01%	Resistant	Resistant	Resistant except to fluorine and some halogens	No Discoloration
SLEEVING	**Polyethylene Terephthalate (PET)** This material is a thermoplastic polyester material designed for indoor applications. It is rated for use up to 257°F. Colors: Black, White and Gray.	-94°F (-70°C) to 257°F (125°C)	HB	500°F (260°C)	Contact Factory	1.31	100,000 (D638)	.08%	Not Recommended	Not Recommended	Resistant	No Discoloration
	Flame Ret. Polyethylene Terephthalate (PET) This material is a self-extinguishing thermoplastic polyester that can be used indoors. It is also rated for use up to 257°F and is provided in black with white tracer (to identify the flame retardant material).	-94°F (-70°C) to 257°F (125°C)	U.L 224: VW-1	445°F (230°C)	Contact Factory	1.39	37,500 (D638)	.08%	Not Recommended	Not Recommended	Resistant	No Discoloration
CLT	**Natural Polyethylene** Our lowest cost material is for continuous use at temperatures -40°F (-40°C) to 176°F (80°C).	N/A	HB	Contact Factory	Contact Factory	.926-.940	1529 (D638)	Contact Factory	Excellent	Excellent	Excellent	Good
	Nylon Nylon is a strong, durable, high abrasion resistant material for continuous use at temperatures -40°F (-40°C) to 248°F (120°C).	N/A	HB	437°F (225°C)	Contact Factory	1.06-1.16	10,000 (D638)	Contact Factory	Excellent	Good	Fair	Good

NOTE: Typical operating temperature ranges are extended based on end use application and specific environmental tests.
‡Teflon or equivalent fluorocarbon PTFE is used. Teflon is the registered trademark of E. I. DuPont.

The approximate required length of spiral wrapping based on the bundle diameter can be determined by using the graphs below; they show length required (in feet) per foot of bundle.



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ISO-9001

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The following Panduit products are manufactured at ISO 9001 registered Panduit facilities:

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- Heat Shrink and Abrasion Protection Products
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- Network Connectivity Products
- Power Connectors
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- Surface Raceway
- Terminals
- Wiring Accessories
- Wiring Duct

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Meet your on-site labeling needs *FAST* with the *Pan-Quik*™ LS3E Hand-Held Printer from Panduit

With 20 Kb Memory to Save, Recall and Edit Label Files

Fast

Affordable

Easy to Use

Versatile

Other Features

- *Flexibility to print self-laminating wire markers, heat shrink markers, component labels, asset identification labels and more*
- *Fast drying self-laminating labels reduce installation time*
- *Automatic recall of last legend entered*
- *Easy formatting options reduce set-up time*
- *Automatic serialization and legend repeat functions*
- *Quick change battery pack and optional AC adapter for reduced downtime*
- *More than 25 font styles and sizes*
- *Exact label registration*

See pages 6-11 for complete information

Printer Selection Matrix

Features	Printers						
	LS3E (Pg. 6)	LS5/LS5E (Pg. 12)	LS4H (Pg. 15)	LS4M (Pg. 16)	PTR1 (Pg. 17)	PTR2 (Pg. 20)	PTR3 (Pg. 26)
Label Options							
Self-Laminating Wire Markers	Yes	Yes	No	No	Yes	Yes	Yes
Solid Wire Markers	Yes	Yes	No	No	Yes	Yes	Yes
Heat Shrink Markers	Yes	Yes	Yes	No	Yes	Yes	Yes
Component Markers	Yes	Yes	No	No	Yes	Yes	Yes
Terminal Block Markers	Yes	No	No	No	Yes	No	No
Industrial Laminated Tape	No	Yes	Yes	Yes	No	No	No
Commercial Non-Laminated Tape	No	Yes	No	Yes	No	Yes	Yes
Mechanical Specifications							
Type	Hand-Held	Hand-Held	Portable	Portable	Desktop	Desktop	Desktop
Print Method	9-Pin Dot-Matrix	Thermal Transfer	Thermal Transfer	Thermal Transfer	24-Pin Dot-Matrix	Thermal Transfer	Thermal Transfer
Volume	Low	Low	Low	Low	Medium to High	Medium to High	High
Label Widths	0.25" - 1.50" (6.4 - 38.1 mm)	0.50" - 1.00" (12.7 - 25.4 mm)	0.50" (12.7 mm)	0.50" (12.7 mm)	Up to 8.50" (215.9 mm)	Up to 4.10" (104.1 mm)	Up to 5.00" (127.0 mm)
Weight	2.7 lbs. (1.2 kg)	4.7 lbs. (2.1 kg)	3.5 lbs. (1.6 kg)	3.5 lbs. (1.6 kg)	10 lbs. (4.5 kg)	4 lbs. (1.8 kg)	40 lbs. (18 kg)
Power Supply	Battery Pack or AC	Batteries or AC	Batteries or AC	Batteries or AC	AC	AC	AC
PC Interface Required	No	No	No	No	Yes	Yes	Yes
Optical Registration for Exact Print Registration	Yes	Yes	N/A	N/A	N/A	Yes	Yes
Memory	20 Kb	LS5 - 16Kb, LS5E - 450Kb	No	No	N/A	N/A	N/A
RS232 Port	No	Yes	No	No	Computer Interface	Computer Interface	Computer Interface
Cutter	No	Yes	Yes	Yes	No	No	No
Print Options							
Print Sizes	Small, Compressed, Normal, Large	6 point to 72 point	8 point to 16 point	6 point to 24 point	All WINDOWS* fonts	0.06" - 3.50" (1.5 - 88.9 mm)	0.06" - 4.10" (1.5 - 104.1 mm)
Lines of Variable Print	47	6	1	4	Dependent on software	Dependent on software	Dependent on software
Upper and Lower Case	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Underline / Rotated / Bold Text	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bar Codes	No	Yes	No	Yes (with optional font card)	Yes	Yes	Yes
Special Print Modes	Wire Marker, Center, Strip, Terminal	None	None	None	Yes (with software)	Yes	Yes

*WINDOWS is a registered trademark of Microsoft Corp.

Select the system that suits your labeling application:

Pan-Quik™ LS3E Hand-Held Dot-Matrix Printer Pages 6 - 11

- Lightweight, versatile printer for high quality labels that you can print anytime, anywhere
- Prints wire markers, heat shrink markers, component labels and network labels faster than other hand-held, dot-matrix printers
- Features the ***Quik-Key***™ Fast Label Formatting System

LS5 and LS5E Industrial Labeling Systems Pages 12 - 14

- Hand-held, thermal transfer labeling system designed to meet the rugged demands of industrial labeling applications
- Prints self-laminating markers, die-cut labels, heat shrink markers, tamper evident tape, laminated tape and non-laminated tape
- Alpha and numeric sequencing and bar code capabilities

LS4H Heat Shrink / Laminated Tape Labeling System Page 15

- High performance, self-contained thermal transfer labeling system that produces high quality, permanent tube markers and scratch resistant laminated polyester component markers
- Compact, portable size allows usage anywhere

LS4M Multiple Line Portable Labeling System Page 16

- High performance, self-contained labeling system that prints up to four lines of text on 0.50" (12.7 mm) wide adhesive tape
- Provides durable, high quality, permanent labels

PTR1 Flat-Bed, Dot-Matrix Printer Pages 17 - 19

- Produces ***ON-DEMAND***™ Wire Marker Cards, Self-Laminating Wire Markers, Heat Shrink Labels — any pin-fed label!
- Straight label path eliminates the potential for jamming
- Adjustable print head gap eliminates smearing, especially on thick material such as heat shrink

DURA-MARK™ PTR2 Thermal Transfer Printer Pages 20 - 25

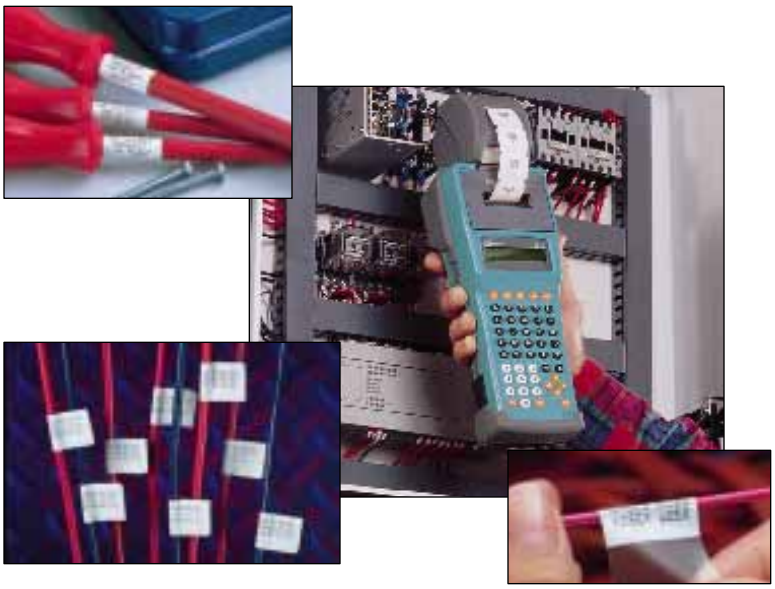
- High quality, thermal transfer printer for medium to high volume printing applications
- Create your own custom wire markers, heat shrink markers, bin markers and large labels with characters up to 3.5" (89 mm) high
- Flexibility at your fingertips!

PTR3 Thermal Transfer Printer Page 26

- Fast, rugged, thermal transfer printer for high volume printing applications
- Prints crisp, quality 203 dpi resolution images at speeds up to 10 inches per second
- 16 bar code symbologies plus 12 fonts are built in for making labels with minimum programming and fast data transfer

Pan-Quik™ LS3E Hand-Held Dot-Matrix Printer Features

New



Finally, there's a fast, reliable hand-held printer that creates crisp, clear legends in a variety of sizes, is simple to use, easy to load and offers long battery life. All at an affordable price!

The ***Pan-Quik*** LS3E printer lets you quickly create custom or serialized labels, wire markers, heat shrink markers, component labels, and network labels, all for greater time savings and convenience. You can save and retrieve files so its easy to produce labels with frequently used formats and legends. Labels are available with widths from 0.25" to 1.50" (6.4 mm to 38.1 mm) in a variety of materials. It's the versatile, easy way to identify wires, cables, modular jacks, faceplates, terminal blocks and patch panels.

It's perfect for on-site project locations and quick maintenance applications.

Printing That Outperforms The Competition

Features	Benefits
Instant Labels	Prints custom labels in a matter of seconds.
Print Head Travels Only as Far as Legend Requires	Labels with shorter legends print even faster!
Express Formatting Option to Set all Print Characteristics at One Time	Eliminate formatting set-up time for frequently used label formats such as wire marking, component identification and patch panel labeling.
Quik-Key™ Fast Label Formatting System	Fast set-up for: text font, size, case and position; print density and label format.
Automatic Recall of Last Label Entered	No need to reenter information after shut-off or recharging battery pack.
Save and Retrieve Files	Save time when printing frequently used labels.
Multi-Language Screen Prompts	Choose from English, German, French, Italian, Dutch, Spanish and Portuguese language screen prompts as needed.
Letter Quality Font	Produce top-quality labels with clear, crisp legends.
Rotated Text	Run type horizontal or rotated, whichever best meets your need.
Underlined Text	Separates headings or emphasizes words.
Small Text Size	More lines per lineal inch.
Automatic Serialization of Labels	Serialize in Numeric or Alphabetic sequence. Saves time when printing a series of labels.
Automatic Repeat of Legend	Able to print wire markers quickly and efficiently. Saves time when printing duplicate labels.
Portable / Battery-Operated	Able to go anywhere. Can go on-site easily to every job. No AC power required.
Long Battery Life	Increased efficiency with more labels produced between battery charges.
Easy Loading	Less downtime for changeover.
9-Pin Dot-Matrix Print Head	Printed legends are easy to read. More pins for faster speed and better print quality.
Optical Sensor	Provides perfect label registration; minimizes set-up time and wasted labels.
Lightweight	Less operator fatigue. Easy to handle and use.
AC Adapters Available	Print more labels without having to recharge battery.
On-Demand Printing	Just-in-time labels. Creates the label you want, when you want it.
Versatile	One printer to print labels, vinyl cloth wire markers, self-laminating wire markers, heat shrink wire markers, component labels, and data communication labels.
Custom Markers at Lower Cost	Reduces inventory carrying costs.
Easy to Use / User Friendly	No special training required. Anyone can make labels.

Pan-Quik™ LS3E Hand-Held Dot-Matrix Printer and Accessories

Printer Mechanical Information

Print Method: 9 pin dot-matrix print head

Size:

Height:	3.6"	(91.9 mm)
Width:	4.2"	(108.0 mm)
Length:	13.2"	(336.6 mm)
Weight:	2.7 lbs.	(1.2 kg)

Display: Two-line x 16 character liquid crystal display

Keyboard: 49 color coded keys with ergonomically designed keypad

Power Source: 12 VDC, 1200 mAh rechargeable Ni-Cad Battery Pack (Included)

Printer

Part Number	Description	Plug Type	Manual Language	Std. Pkg. Qty.*
LS3E†	Includes Printer, Battery Pack, Battery Charger, Printer Ribbon, Wrist Strap and Operator's Manual	North American 120	English	1
LS3E-PS			Portuguese	
LS3E-ES			Spanish	
LS3E-KIT	Includes all components of LS3E printer shown above plus LS3EAK-S AC Adapter and Carrying Case	North American 120	English	1

†Also available with Euro 230, U.K. 240 and Australian 240 Plugs and Operator's Manuals in Chinese, Dutch, French, German, Italian and Japanese. Contact factory for complete part number information.

Replacement Parts and Optional Accessories

Part Number	Description	Plug Type	Std. Pkg. Qty.*
LS3-RIB	Replacement Printer Ribbon	—	1
LS3E-BP	Replacement Battery Pack	—	1
LS3EC-S	Replacement North American 120V Battery Charger *Used only to charge LS3E battery. Cannot be used to power LS3E directly from Power Outlet.*	North American 120	1
LS3E-MAN-A†	Replacement Operator's Manual - English	—	1
LS3EACS‡	1 each: Universal AC Adapter (LS3EA), Battery Charging Pack (LS3E-CP) and Power Cord Listed (CORD-*) *Power LS3E directly from Power Outlet and charge LS3E Battery Pack at the same time*	North American 120	1
LS3EAK-S‡	1 each: Universal AC Adapter (LS3EA) and Power Cord Listed (CORD-*) *Power LS3E directly from Power Outlet*	North American 120	1
LS3ECAP	1 each: Battery Charging Pack (LS3E-CP) and Auto Plug (LS3EAP) *Power LS3E directly from Auto Cigarette Lighter and charge LS3E Battery Pack at the same time*	—	1
LS3EAP	Replacement Auto Plug *Power LS3E directly from Auto Cigarette Lighter*	—	1

†To order Operator's Manual in other languages, replace -A with -C for Chinese, -N for Dutch, -F for French,- D for German, -I for Italian, -J for Japanese, -P for Portuguese, and -E for Spanish

‡Also available with Euro 230, U.K. 240 and Australian 240 Plugs. Contact factory for complete part number information.

LS3-RIB

LS3E-BP

LS3EC-S

LS3E-MAN-A

LS3EACS

LS3EAK-S

LS3ECAP

LS3EAP

*Order number of printers or accessories required in multiples of Std. Pkg. Qty.

Optional Accessories (cont.)

Part Number	Description	Plug Type	Std. Pkg. Qty.*
LS3E-CP	Replacement Battery Charging Pack *Power LS3E directly from AC Power Source and charge LS3E Battery Pack at the same time (Must be used with Universal AC Adapter and Power Cord - not included)*	—	1
LS3EA	Universal AC Adapter	—	1
CORD-S‡	Replacement Power Cord	North American 120	1
LS3-CASE	Carrying Case	—	1
LS3-BS	Printer Belt Holster	—	1
PTR-CLN	Printer Cleaning Kit Contains 4 oz. (116 ml) bottle cleaning solution with MSDS, cleaning pen, 100 swabs, 12 alcohol wipes and instructions	—	1

‡Also available with Euro 230, U.K. 240 and Australian 240 Plugs. Contact factory for complete part number information.

*Order number of accessories required in multiples of Std. Pkg. Qty.

LS3E-CP

LS3EA

CORD-S

LS3-CASE

LS3-BS

PTR-CLN

Material Selection

Material Type	Temperature Range	Description	Key Feature	Color	Outdoor Rated	Hazardous Environment*	UL Rec.	CSA
SELF-LAMINATING VINYL	-40° to 150°F (-40° to 68°C)	Self-laminating film for most general wire and cable labeling	Low cost, conformable material	Clear	No	No	Yes	Yes
SELF-LAMINATING TEDLAR ▲	-0° to 275°F (-18° to 135°C)	Self-laminating film for wire and cable labeling in outdoor, high temperature or harsh environments	Resistant to high temperatures and U.V. light	Clear	Yes	Yes	Yes	Yes
VINYL CLOTH	-50° to 170°F (-46° to 77°C)	General purpose material, vinyl impregnated cloth resists oil and abrasion	Material can be removed and reused	White	No	No	No	No
METALLIZED POLYESTER	-40° to 311°F (-40° to 154°C)	Metallized polyester for property and asset marking	Durable material; does not stretch or easily tear	Silver	Yes	Yes	No	No
HEAT SHRINK POLYOLEFIN	-22° to 220°F (-30° to 105°C)	Polyolefin heat shrink for wire marking applications, excellent print quality	Secure identification	White, Yellow	No	No	No	No

▲TEDLAR is the registered trademark of E. I. DuPont Co.

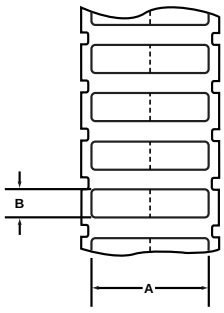
*For complete material specification information, contact Product Management at 1-888-506-5400, ext. 7337

The label codes shown in each chart are distinct codes used to tell the printer the size of the label.

NEW! Wire Marker Strips

- Eliminate the carrying costs, shelf-life and inventory concerns of preprinted marker cards
- Marker strips are perforated so they can be used as full size or half size markers in wrap-around or flag style
- Custom firmware for fast and easy on-site wire marking
- Backscore on liner makes strips easy to remove and apply
- Material: White Vinyl Cloth

Part Number	Label Code Half / Full	Width A In. (mm)	Length B In. (mm)	Normal Text		Labels Per Roll	Std. Pkg. Qty.*
				Lines Per Label	Characters Per Line		
L3PCM36	W107 / W207	1.50 (38.1)	0.25 (6.4)	3 / 6	1	500	1 Roll
L3PCM25	W109 / W209	1.50 (38.1)	0.36 (9.1)	3 / 6	2	500	
L3PCM18	W113 / W213	1.50 (38.1)	0.50 (12.7)	3 / 6	4	500	

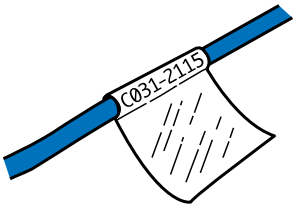


* Order number of rolls required in multiples of Std. Pkg. Qty.
Note: Based on printer manufacture date, firmware revision may be required to use these labels. Contact factory for upgrade information.

Wire Marker Labels

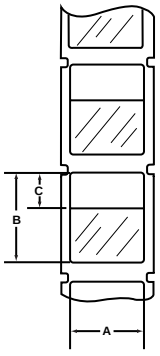
Self-Laminating Vinyl Wire Markers

- Designed to identify all sizes of wires and cables quickly and economically
- Clear overlaminate protects legend
- Part numbers shown have white print-on area
- Multiple across labels available

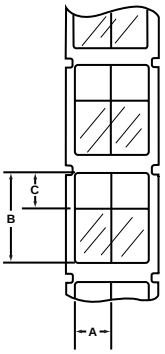


Part Number	Label Code	Total Area A x B In. (mm)	Print-On Area A x C In. (mm)	Normal Text‡		Outside Cable Diameter Range ▪ In. (mm)	Labels Per Roll	Std. Pkg. Qty.*
				Lines Per Label	Characters Per Line			
Vinyl Material (Indoor Applications)								
LWS-6	1310	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)	2	4	0.12 - 0.12 (3.1 - 3.1)	250	1 Roll
LWS-8	2510	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)•	2	4		500	
LWS-7	2510	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)	2	10		250	
LWS-4	1310	0.50 x 1.00 (12.7 x 25.4)	0.50 x 0.38 (12.7 x 9.5)	2	4	0.12 - 0.20 (3.1 - 5.1)	250	
LWS-5	2510	1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.38 (25.4 x 9.5)	2	10		250	
LWS-1	1313	0.50 x 1.25 (12.7 x 31.8)	0.50 x 0.50 (12.7 x 12.7)	3	4	0.16 - 0.24 (4.1 - 6.1)	250	
LWS-9	2513	0.50 x 1.25 (12.7 x 31.8)	0.50 x 0.50 (12.7 x 12.7)•	3	4		500	
LWS-2†	2513	1.00 x 1.25 (25.4 x 31.8)	1.00 x 0.50 (25.4 x 12.7)	3	10		250	
LWS-3	3813	1.50 x 1.25 (38.1 x 31.8)	1.50 x 0.50 (38.1 x 12.7)	3	16		250	
LWS-10†	2519	1.00 x 2.50 (25.4 x 63.5)	1.00 x 0.75 (25.4 x 19.1)	5	10	0.24 - 0.56 (6.1 - 14.2)	100	
LWS-11	3819	1.50 x 2.50 (38.1 x 63.5)	1.50 x 0.75 (38.1 x 19.1)	5	16		100	
LWS-12†	2525	1.00 x 4.00 (25.4 x 101.6)	1.00 x 1.00 (25.4 x 25.4)	7	10	0.32 - 0.95 (8.1 - 24.1)	100	
LWS-13	3825	1.50 x 4.00 (38.1 x 101.6)	1.50 x 1.00 (38.1 x 25.4)	7	16		100	
LWS-14	2525	1.00 x 6.00 (25.4 x 152.4)	1.00 x 1.00 (25.4 x 25.4)	7	10	0.32 - 1.59 (8.1 - 40.4)	50	
TEDLAR▲ Material (Indoor /Outdoor Applications)								
LWS-54	2513	1.00 x 1.25 (25.4 x 31.8)	1.00 x 0.50 (25.4 x 12.7)	3	10	0.16 - 0.24 (4.1 - 6.1)	250	1 Roll

‡ Similar information for other text sizes provided in LS3E manual
† Label available with colored print-on area. Colors may include YL for Yellow, RD for Red, BU for Blue, GR for Green, IG for Gray, OR for orange, PR for Purple and BR for Brown. To order, add appropriate suffix to part number. Contact factory for availability.
• Denotes butt-cut label, 2 half-wide marker strips
▲TEDLAR is the registered trademark of E. I. DuPont Co.
▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
* Order number of rolls required in multiples of Std. Pkg. Qty.



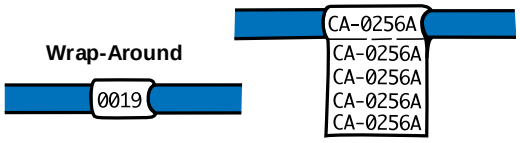
Standard



Butt-Cut

Wire Marker Labels

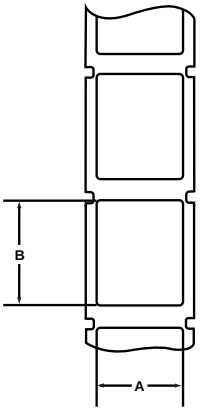
- Can be used as wrap-around or flag style markers
- Can also be used for component labeling
- Material: White Vinyl Cloth



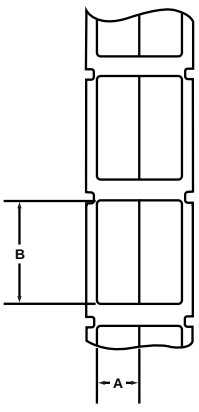
Flag

Part Number	Label Code	A Width In. (mm)	B Length In. (mm)	Normal Text‡		Labels Per Roll	Std. Pkg. Qty.*
				Lines Per Label	Characters Per Line		
LW-4	1319	0.50 (12.7)	0.75 (19.1)	5	4	250	1 Roll
LW-6	2519	0.50 (12.7)•	0.75 (19.1)	5	4	500	
LW-3	1325	0.50 (12.7)	1.00 (25.4)	7	4	250	
LW-1	1332	0.50 (12.7)	1.25 (31.8)	9	4	250	
LW-5	2532	0.50 (12.7)•	1.25 (31.8)	9	4	500	
LW-2	2532	1.00 (25.4)	1.25 (31.8)	9	10	250	

‡ Similar information for other text sizes provided in LS3E manual
• Denotes butt-cut label, 2 half-wide marker strips
* Order number of rolls required in multiples of Std. Pkg. Qty.



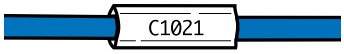
Standard

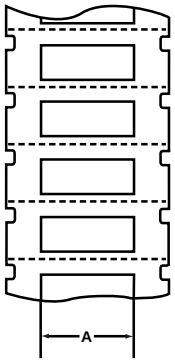


Butt-Cut

Heat Shrink Tubing for Permanent Wire and Cable Identification

- Service Temperature Range: -22°F to 220°F (-30°C to 105°C)
- Shrink Ratio: 3:1 @ 212°F (100°C)
- Flammability: Meets U.L. Standard 224 for flammability
- Material: Flattened Polyolefin
- Use with Panduit Heat Shrink Tools and Accessories shown on page 25





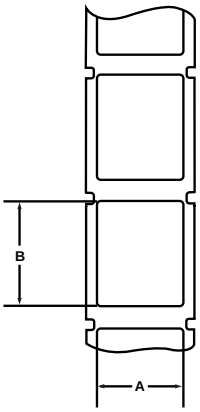
Standard Butt-Cut

Part Number		Label Code	Width A In. (mm)	Markers Per Row	Outside Cable Diameter Range ▪ In. (mm)	Normal Text‡		Markers Per Roll	Std. Pkg. Qty.*
White	Yellow					Lines Per Label	Characters Per Line		
LHSW-1	LHSY-1	T206	0.50 (12.7)•	2	0.04 - 0.13 (1.1 - 3.2)	1	4	200	1 Roll
LHSW-2	LHSY-2	T106	1.00 (25.4)	1		1	10	100	
LHSW-6	LHSY-6	T208	0.50 (12.7)•	2	0.06 - 0.19 (1.6 - 4.8)	2	4	200	
LHSW-7	LHSY-7	T108	1.00 (25.4)	1		2	10	100	
LHSW-3	LHSY-3	T211	0.50 (12.7)•	2	0.08 - 0.25 (2.1 - 6.4)	2	4	200	
LHSW-4	LHSY-4	T111	1.00 (25.4)	1		2	10	100	
LHSW-5	LHSY-5	T121	1.00 (25.4)	1	0.17 - 0.50 (4.2 - 12.7)	5	10	100	

‡ Similar information for other text sizes provided in LS3E manual
• Denotes butt-cut label, 2 half-wide marker strips
▪ Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
* Order the number of rolls required in multiples of Std. Pkg. Qty.

Component Labels

- Available in a wide range of sizes
- Material: White Vinyl Cloth

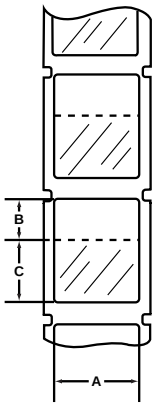


Part Number	Label Code	A Width In. (mm)	B Length In. (mm)	Color	Normal Text‡		Labels Per Roll	Std. Pkg. Qty.*
					Lines Per Label	Characters Per Line		
LC-6	1307	0.50 (12.7)	0.28 (7.0)	White	1	4	500	1 Roll
LC-3	1313	0.50 (12.7)	0.50 (12.7)	White	3	4	500	
LC-7	2507	1.00 (25.4)	0.28 (7.0)	White	1	10	500	
LC-9	2510	1.00 (25.4)	0.40 (10.2)	White	2	10	500	
LC-10	2513	1.00 (25.4)	0.50 (12.7)	White	3	10	500	
LC-4	2519	1.00 (25.4)	0.75 (19.1)	White	5	10	250	
LC-2	2525	1.00 (25.4)	1.00 (25.4)	White	7	10	250	
LC-8	3807	1.50 (38.1)	0.28 (7.0)	White	1	16	500	
LC-11	3813	1.50 (38.1)	0.50 (12.7)	White	3	16	500	
LC-5	3819	1.50 (38.1)	0.75 (19.1)	White	5	16	250	
LC-1	3832	1.50 (38.1)	1.25 (31.8)	White	9	16	250	

‡ Similar information for other text sizes provided in LS3E manual
* Order number of rolls required in multiples of Std. Pkg. Qty.

Laminated Label

- Print and apply top white label and overlaminate with clear bottom label
- Material: GMV3 Vinyl

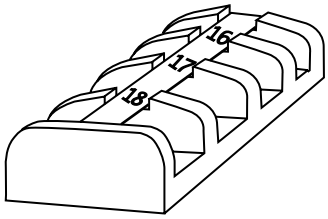


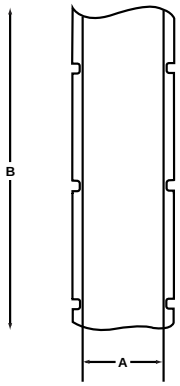
Part Number	Label Code	Print-On Label Size A x B In. (mm)	Overlaminate Label Size A x C In. (mm)	Normal Text‡		Labels/ Roll	Std. Pkg.*
				Lines Per Label	Characters Per Line		
LWS-11P	3819	1.50 x 0.75 (38 x 19)	1.50 x 1.75 (38 x 25)	5	16	100	1 Roll

‡ Similar information using other text sizes available in LS3E Manual
* Order number of rolls required in multiples of Std. Pkg.

Terminal Block Labels

- Used to make on-demand terminal block label strips
- 35 ft. (10.7 m) continuous roll
- Material: White Vinyl Cloth



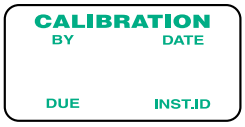


Part Number	Label Code	Width A In. (mm)	Length B Ft. (m)	Labels Per Roll	Std. Pkg. Qty.*
LC-14	0900	0.31 (7.9)	35 ft. (10.7 m)	1	1 Roll
LC-15	1000	0.38 (9.5)	35 ft. (10.7 m)	1	

* Order number of rolls required in multiples of Std. Pkg. Qty.

Asset / Quality Assurance Labels

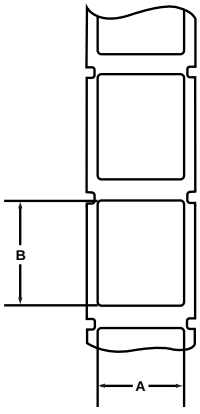
LC-38



LC-39

LC-40

LC-41



Part Number	Label Code	Width A In. (mm)	Length B In. (mm)	Material	Color (Legend/ Background)	Labels Per Roll	Std. Pkg. Qty.*
LC-38	3611	1.50 (38.1)	0.75 (19.1)	Polyester	Black/Silver	250	1 Roll
LC-39	3811	1.50 (38.1)	0.75 (19.1)	Vinyl Cloth	Green/White	250	
LC-40	3813	1.50 (38.1)	0.75 (19.1)	Vinyl Cloth	Black/White	250	
LC-41	3617	1.50 (38.1)	0.75 (19.1)	Polyester	Black/Silver	250	

* Order number of rolls required in multiples of Std. Pkg. Qty.

LS5 and LS5E Industrial Labeling Systems

Hand-held, portable labeling systems designed to meet the rugged demands of industrial labeling applications

Produces:

- Self-laminating labels and wire markers
- Continuous laminated tape including bar codes
- Non-laminated commercial tapes
- Heat shrink wire markers
- Tamper-evident labels
- Die-cut labels

Mechanical Information

Print Method: Thermal transfer printing

Size: Height: 4.5" H x 6.0" W x 11.5" D (114 mm x 152 mm x 292 mm)
Weight: 4.7 lbs. (2.1 kg) with batteries

Graphics Resolution: 203 dpi

Interface: PCMCIA application card interface

Communications: RS232 serial communication port

Display: Two-line x 16 character display

Operating Temperature: 32° to 104°F (0° to 40°C)

Power Source: 6 C-Cell Ni-Cad batteries (Included)
UL Listed, CSA Approved Power Adapter (Optional)

Choose the System which best suits your application:

	LS5 Printer Part Number: LS5-KIT	LS5 Data-Comm Printer Part Number: LS5-KITDC	LS5E Enhanced Printer Part Number: LS5E
Usable Memory	16K	16K	450K
Inherent Bar Codes	Code 39, Code 128, Codabar, I 2 of 5, EAN 8, EAN 13, UPC A, UPC E	Code 39, Code 128, Codabar, I 2 of 5, EAN 8, EAN 13, UPC A, UPC E	Code 39, Code 128, Codabar, I 2 of 5, EAN 8, EAN 13, UPC A, UPC E, PDF417, MSI Plessey
Enhanced Printer Features	—	—	Time and Date Clock Tape Feed Control Annunciator
Prompting Languages	English, Spanish, French, German, Portuguese, Italian	English, Spanish, French, German, Portuguese, Italian	English, Spanish, French, German, Portuguese, Italian, Swedish, Danish, Dutch, Norwegian and Finish
Print Styles	Outline, Shadow, Underline, Bold, Frame, Italic, Mirror and Rotated	Outline, Shadow, Underline, Bold, Frame, Italic, Mirror and Rotated	Underline, Bold, Frame, Italic, Mirror and Rotated
Edit Feature	Yes	Yes	Yes
Alpha/Numeric Sequencing	Yes	Yes	Yes
Repeat 999 times	Yes	Yes	Yes
Left/Right/Center Justification	Yes	Yes	Yes
Scaling	Yes	Yes	Yes
Up to 6 Lines of Text	Yes	Yes	Yes
Data-Comm Templates	No	Yes	No

Printers

Part Number	Description	Std. Pkg. Qty.*
LS5-KIT	Industrial Labeling System Kit: (Includes LS5 Printer, 6 C-Cell Ni-Cad Batteries, Ni-Cad Battery Charger, one LS5-33 Laminated 1" Industrial Tape Cartridge, 8 resident bar code fonts)	1
LS5-KITDC	Data-Comm Labeling System Kit: same components as LS5-KIT above, plus preloaded with Data-Comm Label Formats	
LS5E	Enhanced Industrial Labeling System Kit: (Includes LS5E Printer, 6 C-Cell Ni-Cad Batteries, Ni-Cad Battery Charger, one LS5-33 Laminated 1" Industrial Tape Cartridge, one 9 pin null modem cable,10 resident bar code fonts)	1

*Order number of kits required in multiples of Std. Pkg. Qty.

Accessories

Part Number	Description	Std. Pkg. Qty.*
LS5-1	Replacement Battery Charger	1
LS5-2	Soft Sided Carrying Case (Optional)	1
LS5-3	Hand Strap (Optional)	1
LS5-60	AC Power Supply (Optional)	1
LS5-DCT	Data-Comm Templates Disk and 9-pin null modem cable	1

Part Number	Description	Std. Pkg. Qty.*
LS5-D	WINDOWS^ Driver Disk (Optional) For WINDOWS 3.1, 3.11 and 95	1
PTR-CLN	Printer Cleaning Kit; Contains 4 oz. (116 ml) bottle cleaning solution with MSDS, cleaning pen, 100 swabs, 12 alcohol wipes and instructions	1

*Order number of pieces required in multiples of Std. Pkg. Qty.
^ WINDOWS is a registered trademark of Microsoft Corporation

Selecting the Correct Font Size

The charts below show the Font Point Size to use based on the tape or tubing size used and lines of text desired:

Tape Width In. (mm)	Lines of Text					
	1 Line	2 Lines	3 Lines	4 Lines	5 Lines	6 Lines
0.50 (12.7)	30 pt	14 pt	8 pt	6 pt	—	—
0.80 (20.3)	55 pt	24 pt	16 pt	12 pt	9 pt	7 pt
1.00 (25.4)	72 pt	33 pt	21 pt	16 pt	12 pt	10 pt

Tubing Diameter In. (mm)	Lines of Text					
	1 Line	2 Lines	3 Lines	4 Lines	5 Lines	6 Lines
0.25 (6.4)	24 pt	10 pt	6 pt	—	—	—
0.38 (9.5)	36 pt	16 pt	10 pt	8 pt	6 pt	—
0.50 (12.7)	46 pt	20 pt	13 pt	10 pt	7 pt	6 pt

Laminated Industrial Tape Cartridges

- Laminated Industrial Tape is designed for tough jobs and can withstand extremes of heat and cold, resist abrasion, UV light exposure, and the most commonly used chemicals and solvent

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg. Qty.*
LS5-530	0.50 (12.7)	40 (12.2)	Black/Clear	1
LS5-533			Black/White	1
LS5-535			Red/White	1
LS5-537			Black/Red	1
LS5-538			Black/Yellow	1
LS5-544			White/Black	1
LS5-547			White/Blue	1
LS5-548			White/Red	1
LS5-70	0.80 (20.3)	40 (12.2)	Black/Clear	1
LS5-72			Red/Clear	1
LS5-73			Black/White	1
LS5-74			Blue/White	1
LS5-75			Red/White	1
LS5-77			Black/Red	1
LS5-78			Black/Yellow	1
LS5-79			Black/Green	1
LS5-82			White/Clear	1
LS5-87			White/Blue	1
LS5-88			White/Red	1
LS5-89			White/Green	1
LS5-90			Black/Orange	1

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg. Qty.*
LS5-30	1.00 (25.4)	40 (12.2)	Black/Clear	1
LS5-32			Red/Clear	1
LS5-33			Black/White	1
LS5-34			Blue/White	1
LS5-35			Red/White	1
LS5-37			Black/Red	1
LS5-38			Black/Yellow	1
LS5-39			Black/Green	1
LS5-42			White/Clear	1
LS5-44			White/Black	1
LS5-47			White/Blue	1
LS5-48			White/Red	1
LS5-49			White/Green	1
LS5-50			Black/Orange	1

*Order number of cartridges required in multiples of Std. Pkg. Qty.

Laminated Tamper-Evident Tape Cartridge

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg. Qty.*
LS5-33T	1.00 (25.4)	40 (12.2)	Black/White	1

*Order number of cartridges required in multiples of Std. Pkg. Qty.

- Non-Laminated Commercial Tape Supply is designed for indoor applications where abrasion and chemical resistance are not required.

Non-Laminated Commercial Tape Cartridge

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg. Qty.*
LS5-30C	1.00 (25.4)	4.00 (12.2)	Black/Clear	1
LS5-33C			Black/White	1
LS5-35C			Red/White	1
LS5-38C			Black/Yellow	1

Electronic Component Labeling

Die-Cut Label Cartridges

Part Number	Material	Color	Label Size Width x Length In. (mm)	Labels/ Cartridge	Std. Pkg. Qty.*
LS5-17	Polyester	White	0.50 x 1.00 (12.7 x 25.4)	174	1
LS5-18	Polyester	White	0.66 x 3.44 (16.8 x 87.4) File Folder Size	92	1
LS5-19	Synthetic Paper	White	0.66 x 3.44 (16.8 x 87.4) File Folder Size	92	1
LS5-20	Synthetic Paper	White	1.00 x 4.00 (25.4 x 101.6)	82	1

Marking Wires and Cables

Self-Laminating Wire Marker Cartridges

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable O.D. ▪ In. (mm)	Labels/ Cartridge	Std. Pkg. Qty.*
LS5-11	Vinyl	White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)	0.12 - 0.12 (3.1 - 3.1)	200	1
LS5-12	TEDLAR ▲	White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)		200	1
LS5-13	Vinyl	White	1.00 x 1.25 (25.4 x 31.8)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.24 (4.1 - 6.1)	160	1
LS5-14	TEDLAR	White	1.00 x 1.25 (25.4 x 31.8)	1.00 x 0.50 (25.4 x 12.7)		160	1
LS5-15	Vinyl	White	1.00 x 2.50 (25.4 x 63.5)	1.00 x 0.75 (25.4 x 19.1)	0.24 - 0.56 (6.1 - 14.2)	110	1
LS5-16	TEDLAR	White	1.00 x 2.50 (25.4 x 63.5)	1.00 x 0.75 (25.4 x 19.1)		110	1
LS5-10	Vinyl	White	1.00 x 4.00 (25.4 x 101.6)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.95 (8.1 - 24.1)	83	1

▲TEDLAR is a registered trademark of E.I. DuPont Co.
▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

- Service Temperature Range: -22°F to 220°F (-30°C to 105°C)
- Shrink Ratio 3:1 @ 212°F (100°C)
- Flammability: Meets U.L. Standard 224 for flammability

Flattened Polyolefin Heat Shrink Tubing Supply Cartridges

Part Number	Diameter In. (mm)	Nominal Cable O.D. ▪ In. (mm)	Color	Length In. (mm)	Std. Pkg. Qty.*
LS5-HS3	0.25 (6.4)	0.08 - 0.25 (2.1 - 6.4)	Black/White	100 (2540)	1
LS5-HS4	0.38 (9.5)	0.13 - 0.38 (3.2 - 9.5)			1
LS5-HS5	0.50 (12.7)	0.17 - 0.50 (4.2 - 12.7)			1
LS5-HS8	0.25 (6.4)	0.08 - 0.25 (2.1 - 6.4)	Black/Yellow	100 (2540)	1
LS5-HS9	0.38 (9.5)	0.13 - 0.38 (3.2 - 9.5)			1
LS5-HS10	0.50 (12.7)	0.17 - 0.50 (4.2 - 12.7)			1

▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

See page 25 for Heat Shrink Tools and Accessories

*Order number of cartridges required in multiples of Std. Pkg. Qty.

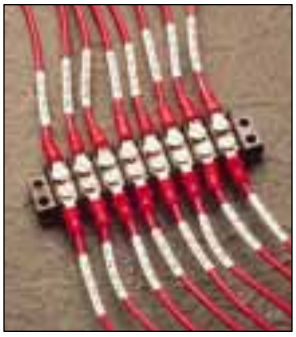
LS4H Heat Shrink Tube Marking System

High performance, self-contained marking system that produces heat shrink tube markers for wire and cable identification and laminated component markers.

- Provides durable, high quality permanent tube markers
- Indestructible 3:1 flattened polyolefin heat shrink tubing cartridge meets UL-224 requirements
- Laminated tape cartridge supplies built in thermal transfer ribbon that prints up to four sizes of text on 0.50" (12.7mm) wide adhesive tape
- Can also be powered by by 4 D-Cell Ni-Cad batteries in locations where power is not available

Printer Features

- Prints in 4 standard font sizes: 8, 10, 12, and 16 point Helvetica
- Prints in **bold type** or underline text for positive identification of numbers
- Prints markers either horizontally or vertically
- Scratch resistant marking
- Repeat legend up to 99 times, eliminating the need to re-key repetitive information
- Automatic alpha and numeric sequencing saves time
- Legend can be centered automatically on tube size selected



Vertical and underlining capability

Automatic Sequencing

Repeat for short runs

Scratch resistant marking

Printer and Accessories

Part Number	Description	Std. Pkg.*
LS4H	Heat Shrink Tube Marker Kit: Includes LS4H Printer, 115 VAC Power Adaptor, one black / white cartridge 0.19" (4.8mm) tubing, and one black / white cartridge 0.25"(6.4mm) tubing	1
LS4-60	Replacement 115 VAC Power Adaptor	1
LS4-53	Ni-Cad Battery Charger (Optional)	1
LS4H-7	Black Carrying Case (Optional)	1
LS4H-9	Scissors (Optional)	1

Laminated Industrial Supply Cartridges

Part Number	Width In. (mm)	Length Ft. (m)	Color	Std. Pkg.*
LS4H-30I	0.50 (12.7)	50 (15.2)	Black/Clear	1
LS4H-33I	0.50 (12.7)	50 (15.2)	Black/White	1
LS4H-37I	0.50 (12.7)	50 (15.2)	Black/Red	1
LS4H-38I	0.50 (12.7)	50 (15.2)	Black/Yellow	1

Heat Shrink Tubing Supply Cartridges

- Material: Flattened Polyolefin
- Shrink ratio 3:1 @ 212°F (100°C)
- Flammability: Meets U.S. Standard 224 for flammability
- Used with Panduit Heat Shrink Tools and Accessories shown on page 25

Part Number	Diameter In. (mm)	Nominal Cable O.D. In. (mm)	Length In. (mm)	Color	Std. Pkg.*
LS4H-1	0.13 (3.2)	0.04 - 0.13 (1.1 - 3.2)	100 (2540)	Black/ White	1
LS4H-2	0.19 (4.8)	0.06 - 0.19 (1.6 - 4.8)	100 (2540)		1
LS4H-3	0.25 (6.4)	0.08 - 0.25 (2.1 - 6.4)	100 (2540)		1
LS4H-4	0.13 (3.2)	0.04 - 0.13 (1.1 - 3.2)	100 (2540)	Black/ Yellow	1
LS4H-5	0.19 (4.8)	0.06 - 0.19 (1.6 - 4.8)	100 (2540)		1
LS4H-6	0.25 (6.4)	0.08 - 0.25 (2.1 - 6.4)	100 (2540)		1

*Order number of Std. Pkgs. required in multiples of Std. Pkg. Qty.

LS4M Multiple Line Portable Labeling System

High performance, self-contained labeling system that prints up to four lines of text on 0.50" (12.7 mm) wide adhesive tape.

- Laminated, adhesive backed polyester tape is heat and scratch resistant, supplied in convenient cartridges
- Label cartridges feature built-in thermal transfer ribbon, overlaminate and cutter for trouble-free performance
- Indestructible polyester laminate insures no loss of readability
- Compact, portable size allows usage anywhere
- Use with AC Power Adapter (included) or four Ni-Cad batteries (not included)

Printer Features

- Prints in 3 standard font sizes 6, 8, and 12 point Helvetica
- Prints in bold, outline, vertical, negative image, mirror image, shadow and underline
- Prints marker either horizontally or vertically
- Automatic alpha and numeric sequencing
- Prints up to 15 characters per second
- Text may be scaled 2X for larger more legible print
- 16-character display screen allows text verification prior to printing
- Prints from 1-4 lines on single strip of tape

Circuit board labeling

Label switches, relays and other devices

Telecommunications labeling

Inventory and bin-marking

Printer and Accessories

Part Number	Description	Std. Pkg.*
LS4M	Multiple Line Labeling System (Includes AC Power Adapter, batteries not included)	1
LS4-60	Replacement 115 VAC Power Adapter	1
LS4-53	Ni-Cad Battery Charger (Optional)	1
LS4-54	3 of 9 Bar Code Font Card (Optional)	1
LS4-57	6 point Helvetica Regular Font Card (Optional)	1
LS4-58	18 point Helvetica Regular Font Card (Optional)	1
LS4-59	36 point Helvetica Regular Font Card (Optional)	1
LS4H-7	Black Carrying Case (Optional)	1

LS4M Industrial Labeling Tape (Heavy duty, outdoor)

- Withstand extremes of heat and cold, resist abrasion, UV light exposure, and the most commonly used chemicals and solvents.

Part Number	Width In. (mm)	Length Ft. (m)	Color	Std. Pkg.*
LS4-30I	0.50 (12.7)	50 (15.2)	Black/Clear	1
LS4-33I			Black/White	1
LS4-38I			Black/Yellow	1
LS4-42I			White/Clear	1
LS4-44I			White/Black	1

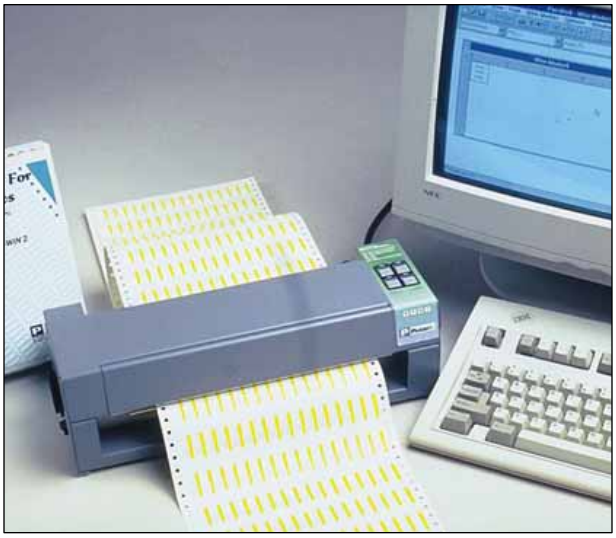
Standard Labeling Tapes

- Designed for indoor applications where abrasion and chemical resistance are not required

Part Number	Width In. (mm)	Length Ft. (m)	Color	Std. Pkg.*
LS4-30	0.50 (12.7)	50 (15.2)	Black/Clear	1
LS4-31			Blue/Clear	1
LS4-32			Red/Clear	1
LS4-33			Black/White	1
LS4-34			Blue/White	1
LS4-35			Red/White	1
LS4-36			Black/Blue	1
LS4-37			Black/Red	1
LS4-38			Black/Yellow	1
LS4-39			Black/Green	1
LS4-42			White/Clear	1
LS4-43			Green/White	1
LS4-44			White/Black	1
LS4-45			Black/Silver	1
LS4-46			Black/Gold	1
LS4-47			White/Blue	1
LS4-48			White/Red	1
LS4-49			White/Green	1
LS4-50			Black/Orange	1

*Order number of Std. Pkgs. required

PTR1 Flat-Bed, Dot-Matrix Printer



Produces Custom Markers Instantly!

- Use with Panduit Dot-Matrix and Heat Shrink labels
- Use with Panduit ***ON-DEMAND***™ Wire Marker Cards
- Provides excellent print quality and sharp, permanent characters
- Adjustable print head gap eliminates smearing, especially on thick material
- Straight label path eliminates the potential for jamming or peeling of labels
- Durable rugged metal construction is ideal for industrial environments
- Compatible with ***PAN-MARK***™ **for WINDOWS**^ 2.X or higher, ***PAN-MARK*** **LT** and **PROG-LITE** Labeling Software Programs (see **pages 27-32** for complete software product information).

Mechanical Information

Print Method: 24-pin dot-matrix print head

Size:

Height:	4.8"	(122 mm)
Width:	15.1"	(384 mm)
Depth:	7.5"	(190 mm)
Weight:	10 lbs.	(4.5 kg)

Print Speed:

Draft:	166 Characters Per Second
Near Letter Quality:	83 Characters Per Second

Print Buffer: 8 KB

Graphics Resolution:

Horizontal:	180 dpi
Vertical:	120 dpi

Forms Control: Adjustable width tractors accommodate 1.50" (38.1 mm) to 10.25" (260.3 mm) width pinfeed forms

Interface and Communications: Centronics parallel 36 pin and DB25 (RS232) serial interface

Ribbon Width: 0.50" (12.7 mm)

Voltage: Autoranging 115 VAC +/- 10% to 230 VAC +/- 10%

Fuse: 1 Amp Fast-Blow for 115/230 VAC

Part Number	Description	Std. Pkg. Qty.*
PTR1	Dot-Matrix Printer Kit (Includes Printer, AC Power Cord, Operator Manual and Indelible Ribbon)	1
PTR1-AC	Replacement AC Power Cord up to 115V	1
PTR1-AC220	Replacement AC Power Cord up to 220V	1
PTR1-RIB	Replacement Indelible Ink Ribbon	1
PTR1-STD	Standard Ink Ribbon (Optional)	1
PTR1-MAN	Replacement PTR1 Operating Manual	1
PTR-CLN	Printer Cleaning Kit Contains 4 oz. (116 ml) bottle cleaning solution with MSDS, cleaning pen, 100 swabs, 12 alcohol wipes and instructions	1

*Order number of printers or accessories required in multiples of Std. Pkg. Qty.

^WINDOWS is a registered trademark of Microsoft Corp.

Computer Printable Heat Shrink Tubing for Permanent Wire and Cable Identification

- Pre-cut tubing mounted on pin-fed plastic carrier
- Material: Flattened Polyolefin
- Service Temperature Range: -22°F to 220°F (-30°C to 105°C)
- Shrink Ratio 3:1 @ 212°F (100°C)
- Flammability: Meets U.L. Standard 224 for flammability
- Use with Panduit Heat Shrink Tools and Accessories shown on **page 25**

Part Number	Diameter In. (mm)	Marker Width In. (mm)	Markers Per Row	Nominal Cable Outside Diameter ■ In. (mm)	Carrier Width In. (mm)	Color	Markers Per Roll	Std. Pkg. Qty.*
LHS12W1	0.13 (3.2)	2.00 (50.8)	1	0.04 - 0.13 (1.1 - 3.2)	3.50 (88.9)	White	500	1
LHS12W2	0.13 (3.2)	1.00 (25.4)	2				1000	1
LHS12W4	0.13 (3.2)	0.50 (12.7)	4				2000	1
LHS18W1	0.18 (4.8)	2.00 (50.8)	1	0.06 -0.18 (1.6 - 4.8)			500	1
LHS18W2	0.18 (4.8)	1.00 (25.4)	2				1000	1
LHS18W4	0.18 (4.8)	0.50 (12.7)	4				2000	1
LHS25W1	0.25 (6.4)	2.00 (50.8)	1	0.08 - 0.25 (2.1 - 6.4)			500	1
LHS25W2	0.25 (6.4)	1.00 (25.4)	2				1000	1
LHS25W4	0.25 (6.4)	0.50 (12.7)	4				2000	1
LHS50W1	0.50 (12.7)	2.00 (50.8)	1	0.17 - 0.50 (4.2 - 12.7)			500	1
LHS50W2	0.50 (12.7)	1.00 (25.4)	2				1000	1
LHS12Y1	0.13 (3.2)	2.00 (50.8)	1	0.04 - 0.13 (1.1 - 3.2)	3.50 (88.9)	Yellow	500	1
LHS12Y2	0.13 (3.2)	1.00 (25.4)	2				1000	1
LHS12Y4	0.13 (3.2)	0.50 (12.7)	4				2000	1
LHS18Y1	0.18 (4.8)	2.00 (50.8)	1	0.06 -0.18 (1.6 - 4.8)			500	1
LHS18Y2	0.18 (4.8)	1.00 (25.4)	2				1000	1
LHS18Y4	0.18 (4.8)	0.50 (12.7)	4				2000	1
LHS25Y1	0.25 (6.4)	2.00 (50.8)	1	0.08 - 0.25 (2.1 - 6.4)			500	1
LHS25Y2	0.25 (6.4)	1.00 (25.4)	2				1000	1
LHS25Y4	0.25 (6.4)	0.50 (12.7)	4				2000	1
LHS50Y1	0.50 (12.7)	2.00 (50.8)	1	0.17 - 0.50 (4.2 - 12.7)			500	1
LHS50Y2	0.50 (12.7)	1.00 (25.4)	2				1000	1

■Refer to Wire Size Selection Guide on **page 196** to review diameters of commonly used cables
*Order number of rolls required in multiples of Std. Pkg. Qty

For information on our complete line of Dot-Matrix Labels and Data Plates that can be used with the PTR1 Dot-Matrix Printer, see ***pages 80-125****.*

ON-DEMAND™ Wire Marker Cards for Standard and Custom Wire Markers

Marker card rolls make the process easy. Simply create the custom legend using **PROG-LITE** Label Printing Software...

...print using the PTR1 Printer and tear off the plastic liner. Your custom card is ready to go!

BLANK CLOTH MARKER
(Perforated to provide half markers)

36 Markers Per Card

33 Markers Per Card

25 Markers Per Card

20 Markers Per Card

18 Markers Per Card

Part Number	Material	Markers Per Card	Print-On Area Width x Length In. (mm)	Total Marker Size Width x Length In. (mm)	Characters Per Line Per Marker†	Std. Pkg. Qty*
PCM36R-TL	White Vinyl Cloth	36	0.25 x 1.50 (6.4 x 38.1)	0.25 x 1.50 (6.4 x 38.1)	1 to 2	250
PCM33R-TL		33	0.27 x 1.50 (6.9 x 38.1)	0.27 x 1.50 (6.9 x 38.1)	1 to 2	250
PCM25R-TL		25	0.36 x 1.50 (9.1 x 38.1)	0.36 x 1.50 (9.1 x 38.1)	1 to 3	250
PCM20R-TL		20	0.45 x 1.50 (11.3 x 38.1)	0.45 x 1.50 (11.3 x 38.1)	1 to 4	250
PCM18R-TL		18	0.50 x 1.50 (12.6 x 38.1)	0.50 x 1.50 (12.6 x 38.1)	1 to 5	250
PCM36RY-TL	Yellow Vinyl Cloth	36	0.25 x 1.50 (6.4 x 38.1)	0.25 x 1.50 (6.4 x 38.1)	1 to 2	250
PCM33RY-TL		33	0.27 x 1.50 (6.9 x 38.1)	0.27 x 1.50 (6.9 x 38.1)	1 to 2	250
PCM25RY-TL		25	0.36 x 1.50 (9.1 x 38.1)	0.36 x 1.50 (9.1 x 38.1)	1 to 3	250
PCM20RY-TL		20	0.45 x 1.50 (11.3 x 38.1)	0.45 x 1.50 (11.3 x 38.1)	1 to 4	250
PCM18RY-TL		18	0.50 x 1.50 (12.6 x 38.1)	0.50 x 1.50 (12.6 x 38.1)	1 to 5	250

*Order number of cards required in multiples of Std. Pkg. Qty.
To order 100 cards/roll substitute "-C" for "-TL" in the above part numbers.
For example PCM36R-TL = 250 cards/roll. PCM36R-C= 100 cards/roll.
† Print 6 lines of identical information on each individual full size cloth marker.
Print 3 lines of identical information on each half size cloth marker.

*See **page 30** for information on PROG-LITE Labeling Software to generate **ON-DEMAND** Marker Cards*

DURA-MARK™ PTR2 Thermal Transfer Printer And Accessories

Create a variety of high quality, custom labels

- *It's Quick!* — Custom capability allows labels to be produced in-house, anytime, anywhere.
- Choose from an assortment of colored thermal transfer rolls, self-laminating wire markers, blank labels and heat shrink markers shown on **pages 21-25**.
- Print legends up to 3.5" (89 mm) high.
- Works with most standard PC's and label printing software including Panduit® ***PAN-MARK***™ **2.X or higher for WINDOWS^** Label Printing Software (See **page 28** for complete software information).

Mechanical Information

Print Method: Thermal transfer and direct thermal printing

Size:

Height:	5.3"	(135 mm)
Width:	7.9"	(200 mm)
Depth:	8.9"	(226 mm)
Weight:	4 lbs.	(1.8 kg)

Print Speed: Select constant print speeds of 1", 1.5" or 2" (25.4, 38.1, or 50.8 mm) per second

Media:

Roll Width:	1.1" - 4.6"	(28 mm - 118 mm)
Max. Roll Diameter:	3.8"	(96 mm)
Core Diameter:	1.0"	(25 mm)

Use PTR2-RS Roll Stand for rolls with a core diameter > 1.0" (25 mm)

Memory: 128 Kb Standard

Double Buffer: Contains a double buffer which makes the printer capable of printing continuously from WINDOWS

Sensors: See through sensor designed for die-cut labels

Graphics Resolution: Up to 203 dpi

Print Information

- Fonts can be printed in four directions: 0°, 90°,180° and 270°
- Capable of reverse print, bar coding and graphics
- Prints up to 32" (813 mm) length x 3.5" (89 mm) high characters
- 4.09" (104 mm) maximum print width
- Capable of horizontal and vertical print

Part Number	Description	Std. Pkg. Qty*
PTR2	Thermal Transfer Printer	1
PTR2-RS	External Label Roll Stand *Used to rear feed labels that are not supplied on 1.00" (25.4 mm) cores*	1
PTR-CLN	Printer Cleaning Kit Contains 4 oz. (116 ml) bottle cleaning solution with MSDS, cleaning pen, 100 swabs, 12 alcohol wipes and instructions	

*Order number required in multiples of Std. Pkg. Qty.

^WINDOWS is a trademark of Microsoft Corp.

PTR2 Ribbons and Continuous Roll Supplies

Thermal Transfer Ribbons

Part Number	Material	Size Width x Length	Use	Color	Std. Pkg. Qty*
TTR-BL	Resin	4.33" x 280' (110.0 mm x 85.3 m)	Vinyl and Polyester Applications	Black	1
TTR2-BL	Resin	2.50" x 280' (63.5 mm x 85.3 m)		Black	1
TTR-WH	Resin	4.33" x 262' (110.0 mm x 79.8 m)		White	1
TTR2-WH	Resin	2.50" x 262' (63.5 mm x 79.8 m)		White	1
TTRW-BL	Wax	4.33" x 280' (110.0 mm x 85.3 m)	Self-Laminating Labels, Heat Shrink Labels and Paper Labels	Black	1
TTRW2-BL	Wax	2.50" x 280' (63.5 mm x 85.3 m)		Black	1

*Order number of ribbons required in multiples of Std. Pkg. Qty.

Roll Material Selection Guide

Material Type	Temperature Range	Key Feature	Color	Outdoor Rated	Hazardous Environment	UL Rec.	CSA
TTPA Paper	-65° to 160°F (-54° to 71°C)	Standard paper material for general indoor labeling	White	No	No	No	No
TTV Vinyl	-40° to 176°F (-40° to 80°C)	Conformable material for flat applications in indoor or outdoor environments. Can be overlaminated with clear polyester material to increase durability	White Yellow Red Green Blue Orange	Yes, 2 years	No	No	No
TTP Polyester	0° to 275°F (-18° to 135°C)	TTP2-CLR/TTP4-CLR are used to produce markers with a clear background; TTP2-LAM/TTP4-LAM are used as an overlaminate to increase durability of vinyl or paper markers	Clear	Yes, 2 years	No	No	No

2" (50.8 mm) Wide Rolls

Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Material	Std. Pkg. Qty*
TTP2-CLR	Thermal Transfer Roll	2.00 (50.8)	100 (30.5)	Clear	Polyester	1
TTV2-WHT **TTV2-YEL** **TTV2-RED** **TTV2-GRN** **TTV2-BLU** **TTV2-ORG**	Thermal Transfer Roll	2.00 (50.8)	100 (30.5)	White Yellow Red Green Blue Orange	Vinyl	1
TTPA2-WHT	Thermal Transfer Roll	2.00 (50.8)	125 (38.1)	White	Paper	1
TTP2-LAM	Overlaminate Roll	2.25 (57.1)	100 (30.5)	Clear	Polyester Overlaminate	1

Rolls are on 1.00" (25.4 mm) cores
*Order number of rolls required in multiples of Std. Pkg. Qty

4" (101.6 mm) Wide Rolls

Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Material	Std. Pkg Qty*
TTP4-CLR	Thermal Transfer Roll	4.00 (101.6)	100 (30.5)	Clear	Polyester	1
TTV4-WHT **TTV4-YEL** **TTV4-RED** **TTV4-GRN** **TTV4-BLU** **TTV4-ORG**	Thermal Transfer Roll	4.00 (101.6)	100 (30.5)	White Yellow Red Green Blue Orange	Vinyl	1
TTPA4-WHT	Thermal Transfer Roll	4.00 (101.6)	125 (38.1)	White	Paper	1
TTP4-LAM	Overlaminate Roll	4.25 (108.0)	100 (30.5)	Clear	Polyester Overlaminate	1

Rolls are on 1.00" (25.4 mm) cores
*Order number of rolls required in multiples of Std. Pkg. Qty.

PTR2 Self-Laminating Labels

New

- Designed to identify all sizes of wires and cables quickly and economically
- Overlaminate protects legends for clear, permanent identification
- Available in a variety of sizes and 9 colors
- Vinyl material for indoor applications and TEDLAR▲ material for outdoor and high temperature applications
- Labels are on 1.0" (25.4 mm) cores for PTR2 Printer

Choose the material that best suits your application:

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec.	CSA
GMV3	Self-Laminating Vinyl Film	-40°F to 176°F (-40°C to 80°C)	General purpose vinyl self-laminating labels	Clear w/ White Print-On Area	No	No	Yes	Yes
GMT1	Self-Laminating TEDLAR▲	0°F to 275°F (-18°C to 135°C)	Self-extinguishing, outdoor rated material; ideal for wire and cable labeling in harsh environments	Clear w/ White Print-On Area	Yes	Yes	Yes	Yes

Part Number	Total Area Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Labels Per Row	Nominal Cable O.D.■ In. (mm)	Color	Material	Std. Pkg. Qty.*
TTSL-247	0.80 x 0.94 (20.3 x 23.9)	0.80 x 0.38 (20.3 x 9.7)	5	0.12 - 0.18 (3.0 - 4.5)	White	Vinyl	5000
TTSL-246	0.80 x 0.94 (20.3 x 23.9)	0.80 x 0.38 (20.3 x 9.7)	5		White	TEDLAR▲	5000
TTSL-249	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.7)	4	0.13 - 0.13 (3.0 - 3.0)	White	Vinyl	2500
TTSL-249YL†	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.7)	4		Yellow†	Vinyl	2500
TTSL-248	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.7)	4		White	TEDLAR	2500
TTSL-251	1.00 x 0.94 (25.4 x 23.9)	1.00 x 0.38 (25.4 x 9.7)	4	0.12 - 0.19 (3.0 - 4.5)	White	Vinyl	2500
TTSL-251YL†	1.00 x 0.94 (25.4 x 23.9)	1.00 x 0.38 (25.4 x 9.7)	4		Yellow†	Vinyl	2500
TTSL-250	1.00 x 0.94 (25.4 x 23.9)	1.00 x 0.38 (25.4 x 9.7)	4		White	TEDLAR	2500
TTSL-1	0.50 x 1.50 (12.7 x 38.1)	0.50 x 0.50 (12.7 x 12.7)	8	0.16 - 0.32 (4.0 - 8.1)	White	Vinyl	5000
TTSL-1YL†	0.50 x 1.50 (12.7 x 38.1)	0.50 x 0.50 (12.7 x 12.7)	8		Yellow†	Vinyl	5000
TTSL-53	0.50 x 1.50 (12.7 x 38.1)	0.50 x 0.50 (12.7 x 12.7)	8		White	TEDLAR	5000
TTSL-2	1.00 x 1.50 (25.4 x 38.1)	1.00 x 0.50 (25.4 x 12.7)	4		White	Vinyl	2500
TTSL-2YL†	1.00 x 1.50 (25.4 x 38.1)	1.00 x 0.50 (25.4 x 12.7)	4		Yellow†	Vinyl	2500
TTSL-54	1.00 x 1.50 (25.4 x 38.1)	1.00 x 0.50 (25.4 x 12.7)	4		White	TEDLAR	2500
TTSL-3	2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	2		White	Vinyl	1000
TTSL-3YL†	2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	2		Yellow†	Vinyl	1000
TTSL-55	2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	2		White	TEDLAR	1000
TTSL-4	1.00 x 2.44 (25.4 x 62.0)	1.00 x 1.00 (25.4 x 25.4)	4	0.32 - 0.46 (8.1 - 11.6)	White	Vinyl	1500
TTSL-4YL†	1.00 x 2.44 (25.4 x 62.0)	1.00 x 1.00 (25.4 x 25.4)	4		Yellow†	Vinyl	1500
TTSL-56	1.00 x 2.44 (25.4 x 62.0)	1.00 x 1.00 (25.4 x 25.4)	4		White	TEDLAR	1500
TTSL-5	2.00 x 2.44 (50.8 x 62.0)	2.00 x 1.00 (50.8 x 25.4)	2		White	Vinyl	500
TTSL-5YL†	2.00 x 2.44 (50.8 x 62.0)	2.00 x 1.00 (50.8 x 25.4)	2		Yellow†	Vinyl	500
TTSL-57	2.00 x 2.44 (50.8 x 62.0)	2.00 x 1.00 (50.8 x 25.4)	2		White	TEDLAR	500
TTSL-6	1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	4	0.32 - 0.93 (8.1 - 23.7)	White	Vinyl	1000
TTSL-6YL†	1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	4		Yellow†	Vinyl	1000
TTSL-58	1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	4		White	TEDLAR	1000
TTSL-7	2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	2		White	Vinyl	500
TTSL-59	2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	2		White	TEDLAR	500

*Order number of labels required in multiples of Std. Pkg. Qty.
†For other TIA colors, substitute the following suffixes: RD=Red, VL=Violet, BR=Brown, GR=Green, IG=Gray, OR=Orange, BU=Blue
▲TEDLAR is a registered trademark of E.I. DuPont Co.
■Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

PTR2 Blank Labels

New

- Labels are on 3.0" (76.2 mm) cores and must be rear fed from PTR2 External Stand (see page 20)

Choose the material that best suits your application:

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec.	CSA
GMP4-W	Destructible Paper	-65°F to 160°F (-54°C to 71°C)	Tamper resistant litho paper for permanent applications	White	No	No	No	No
GMPE4-W	Destructible Polyethylene	-40°F to 176°F (-40°C to 80°C)	Destructible adhesive for permanent applications	White	No	No	No	No
GMY4-C	Clear Polyester	-40°F to 302°F (-40°C to 150°C)	Durable; high temperature; does not stretch or easily tear	Clear	Yes	Yes	No	No
GMY4-W	White Polyester	-40°F to 302°F (-40°C to 150°C)	Durable; high temperature; does not stretch or easily tear	White	Yes	Yes	No	No
GMY4-S	Metallized Polyester	-40°F to 302°F (-40°C to 150°C)	Durable; high temperature; does not stretch or easily tear; protects data EPROM by blocking out light	Silver	Yes	Yes	No	No
GMY4-STE	Tamper Evident Polyester	-40°F to 104°F (-40°C to 40°C)	Destructible material; label cannot be completely removed once applied	Silver	Yes	No	No	No
GMT4-W	TEDLAR▲	-40°F to 275°F (-40°C to 135°C)	Indoor/outdoor high temperature labels; Self-extinguishing	White	Yes	Yes	No	No

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Web Width In. (mm)	Std. Pkg. Qty.*
TTC3YS-10	Polyester	Silver	0.50 (12.7)	0.44 (11.1)	0.66 (16.8)	0.48 (12.1)	5	3.35 (85.1)	10,000
TTC3Y-10	Polyester	White	0.50 (12.7)	0.44 (11.1)	0.66 (16.8)	0.48 (12.1)	5	3.35 (85.1)	10,000
TTC3YST-10	Tamper Evident Polyester	Silver	0.50 (12.7)	0.44 (11.1)	0.66 (16.8)	0.48 (12.1)	5	3.35 (85.1)	10,000
TTC45Y-1	Polyester	White	0.50 (12.7)	0.75 (19.1)	0.50 (12.7)	0.88 (22.2)	8	4.25 (108.0)	1000
TTC-DS110-1	Polyester	White	0.50 (12.7)	7.88 (200.0)	—	8.13 (206.4)	1	1.25 (31.8)	1000
TTC6Y-10	Polyester	White	0.90 (22.9)	0.25 (6.4)	1.13 (28.6)	0.35 (8.9)	3	3.35 (85.1)	10,000
TTC6T-10	TEDLAR▲	White	0.90 (22.9)	0.25 (6.4)	1.13 (28.6)	0.35 (8.9)	3	3.35 (85.1)	10,000
TTC7YS-10	Polyester	Silver	1.00 (25.4)	0.38 (9.5)	1.08 (27.3)	0.48 (12.1)	3	3.35 (85.1)	10,000
TTC7Y-10	Polyester	White	1.00 (25.4)	0.38 (9.5)	1.08 (27.3)	0.48 (12.1)	3	3.35 (85.1)	10,000
TTC8ET-10	Destructible Polyethylene	White	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8YS-10	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8YC-10	Polyester	Clear	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.63 (15.9)	3	3.35 (85.1)	10,000
TTC8Y-10	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8YST-10	Tamper Evident Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8T-10	TEDLAR	White	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC-MJ-5	Polyester	Clear	1.38 (34.9)	0.19 (4.8)	—	0.38 (9.5)	1	2.25 (57.2)	5000
TTC-MJWH-5	Polyester	White	1.38 (34.9)	0.19 (4.8)	—	0.38 (9.5)	1	2.25 (57.2)	5000
TTC15P-2.5	Paper	White	1.50 (38.1)	1.00 (25.4)	—	1.63 (41.3)	1	1.75 (44.5)	2500
TTC15Y-2.5	Polyester	White	1.50 (38.1)	1.00 (25.4)	—	1.63 (41.3)	1	1.75 (44.5)	2500
TTC17Y-2.5	Polyester	White	1.63 (41.3)	1.25 (31.8)	—	1.38 (34.9)	1	2.20 (55.9)	2500
TTC-EFPLC-1	Polyester	Clear	1.80 (45.7)	0.38 (9.5)	—	0.63 (15.9)	1	2.25 (57.2)	1000
TTC-EFPL-1	Polyester	White	1.80 (45.7)	0.38 (9.5)	—	0.63 (15.9)	1	2.25 (57.2)	1000
TTC18Y-2.5	Polyester	White	2.00 (50.8)	0.25 (6.4)	—	0.38 (9.5)	1	2.20 (55.9)	2500
TTC19Y-2.5	Polyester	White	2.00 (50.8)	0.50 (12.7)	—	0.60 (15.2)	1	2.20 (55.9)	2500
TTC20YS-2.5	Polyester	Silver	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20P-2.5	Paper	White	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20YC-2.5	Polyester	Clear	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20Y-2.5	Polyester	White	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20YST-2.5	Tamper Evident Polyester	Silver	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC21P-2.5	Paper	White	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	2.20 (55.9)	2500
TTC22YS-2.5	Polyester	Silver	2.75 (69.9)	1.25 (31.8)	—	1.38 (34.9)	1	2.95 (74.9)	2500
TTC22P-2.5	Paper	White	2.75 (69.9)	1.25 (31.8)	—	1.38 (34.9)	1	2.95 (74.9)	2500
TTC22Y-2.5	Polyester	White	2.75 (69.9)	1.25 (31.8)	—	1.38 (34.9)	1	2.95 (74.9)	2500

Labels are roll mounted on 3.00" (76.2 mm) core.
*Order number of labels required in multiples of Std. Pkg. Qty.
▲TEDLAR is the registered trademark of E. I. DuPont Co.

PTR2 Blank Labels (cont.)

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Web Width In. (mm)	Std. Pkg. Qty.*
TTC-EFPL10-1	Polyester	White	2.90 (73.7)	0.30 (7.6)	—	0.55 (14.0)	1	3.25 (82.6)	1000
TTC23Y-2.5	Polyester	White	3.00 (76.2)	0.25 (6.4)	—	0.38 (9.5)	1	3.20 (81.3)	2500
TTC46P-5	Paper	White	3.00 (76.2)	0.94 (23.8)	—	1.06 (27.0)	1	3.35 (85.1)	5000
TTC24YS-2.5	Polyester	Silver	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24P-2.5	Paper	White	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24YC-2.5	Polyester	Clear	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24Y-2.5	Polyester	White	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24YST-2.5	Tamper Evident Polyester	Silver	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC25YS-1	Polyester	Silver	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25P-1	Paper	White	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25YC-1	Polyester	Clear	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25Y-1	Polyester	White	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25YST-1	Tamper Evident Polyester	Silver	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC26P-1	Paper	White	3.00 (76.2)	5.00 (127.0)	—	5.13 (130.2)	1	3.20 (81.3)	1000
TTC27Y-10	Polyester	White	3.25 (82.6)	0.31 (7.9)	—	0.44 (11.1)	1	4.20 (106.7)	10,000
TTC28Y-10	Polyester	White	3.25 (82.6)	0.50 (12.7)	—	0.63 (15.9)	1	4.20 (106.7)	10,000
TTC29Y-5	Polyester	White	3.25 (82.6)	0.63 (15.9)	—	0.75 (19.1)	1	4.20 (106.7)	5000
TTC30Y-2.5	Polyester	White	3.25 (82.6)	0.81 (20.6)	—	0.94 (23.8)	1	4.20 (106.7)	2500
TTC31P-1	Paper	White	3.50 (88.9)	1.00 (25.4)	—	1.13 (28.6)	1	3.75 (95.3)	1000
TTC31Y-1	Polyester	White	3.50 (88.9)	1.00 (25.4)	—	1.13 (28.6)	1	3.75 (95.3)	1000
TTC32P-1	Paper	White	3.50 (88.9)	8.00 (203.2)	—	8.13 (206.4)	1	3.75 (95.3)	1000
TTC32Y-1	Polyester	White	3.50 (88.9)	8.00 (203.2)	—	8.13 (206.4)	1	3.75 (95.3)	1000
TTC34P-.5	Paper	White	3.63 (92.1)	4.20 (107.1)	—	4.34 (110.3)	1	4.20 (106.7)	500
TTC33P-.5	Paper	White	3.63 (92.1)	5.79 (147.1)	—	5.92 (150.3)	1	4.20 (106.7)	500
TTC35P-2.5	Paper	White	4.00 (101.6)	1.00 (25.4)	—	4.13 (104.8)	1	4.20 (106.7)	2500
TTC35Y-2.5	Polyester	White	4.00 (101.6)	1.00 (25.4)	—	4.13 (104.8)	1	4.20 (106.7)	2500
TTC36YS-1	Polyester	Silver	4.00 (101.6)	2.00 (50.8)	—	2.13 (54.0)	1	4.20 (106.7)	1000
TTC36P-1	Paper	White	4.00 (101.6)	2.00 (50.8)	—	2.13 (54.0)	1	4.20 (106.7)	1000
TTC36Y-1	Polyester	White	4.00 (101.6)	2.00 (50.8)	—	2.13 (54.0)	1	4.20 (106.7)	1000
TTC37P-1	Paper	White	4.00 (101.6)	3.00 (76.2)	—	3.13 (79.4)	1	4.20 (106.7)	1000
TTC37Y-1	Polyester	White	4.00 (101.6)	3.00 (76.2)	—	3.13 (79.4)	1	4.20 (106.7)	1000
TTC38P-1	Paper	White	4.00 (101.6)	4.00 (101.6)	—	4.13 (104.8)	1	4.20 (106.7)	1000
TTC38Y-1	Polyester	White	4.00 (101.6)	4.00 (101.6)	—	4.13 (104.8)	1	4.20 (106.7)	1000
TTC39P-1	Paper	White	4.00 (101.6)	5.00 (127.0)	—	5.13 (130.2)	1	4.20 (106.7)	1000
TTC39Y-1	Polyester	White	4.00 (101.6)	5.00 (127.0)	—	5.13 (130.2)	1	4.20 (106.7)	1000
TTC40P-1	Paper	White	4.00 (101.6)	6.00 (152.4)	—	6.06 (154.0)	1	4.20 (106.7)	1000
TTC41P-1	Paper	White	4.00 (101.6)	6.50 (165.1)	—	6.63 (168.3)	1	4.20 (106.7)	1000
TTC41Y-1	Polyester	White	4.00 (101.6)	6.50 (165.1)	—	6.63 (168.3)	1	4.20 (106.7)	1000
TTC42P-1	Paper	White	4.00 (101.6)	12.88 (327.0)	—	13.00 (330.2)	1	4.20 (106.7)	500
TTC42Y-1	Polyester	White	4.00 (101.6)	12.88 (327.0)	—	13.00 (330.2)	1	4.20 (106.7)	500

Labels are roll mounted on 3.00" (76.2 mm) core.
*Order number of labels required in multiples of Std. Pkg. Qty.

PTR2 Heat Shrink Wire and Cable Markers and Accessories

Heat Shrink Wire and Cable Markers

- Produce durable, high quality permanent heat shrink markers
- Pre-cut tubing mounted on plastic carrier
- Service Temperature Range: -22°F to 220°F (-30°C to 105°C)
- Shrink Ratio 3:1 @ 212°F (100°C)
- Flammability: Meets U.L. Standard 224 for flammability
- For best results, print with TTRW-BL Wax Ribbon

Part Number	Diameter In. (mm)	Marker Width In. (mm)	Markers Per Row	Nominal Cable O.D.▪ In. (mm)	Material	Color	Mkrs Per Roll	Std. Pkg. Qty.*
LHS12W1	0.13 (3.2)	2.00 (50.8)	1	0.04 - 0.13 (1.1 - 3.2)	3:1 Flattened Polyolefin	White	500	1
LHS12W2	0.13 (3.2)	1.00 (25.4)	2				1000	1
LHS12W4	0.13 (3.2)	0.50 (12.7)	4				2000	1
LHS18W1	0.18 (4.8)	2.00 (50.8)	1	0.06 -0.18 (1.6 - 4.8)			500	1
LHS18W2	0.18 (4.8)	1.00 (25.4)	2				1000	1
LHS18W4	0.18 (4.8)	0.50 (12.7)	4				2000	1
LHS25W1	0.25 (6.4)	2.00 (50.8)	1	0.08 - 0.25 (2.1 - 6.4)			500	1
LHS25W2	0.25 (6.4)	1.00 (25.4)	2				1000	1
LHS25W4	0.25 (6.4)	0.50 (12.7)	4				2000	1
LHS50W1	0.50 (12.7)	2.00 (50.8)	1	0.17 - 0.50 (4.2 - 12.7)			500	1
LHS50W2	0.50 (12.7)	1.00 (25.4)	2				1000	1
LHS100W1	1.00 (25.4)	2.00 (50.8)	1	0.33 - 1.00 (8.4 - 25.4)			250	1
LHS100W2	1.00 (25.4)	1.00 (25.4)	2				500	1
LHS12Y1	0.13 (3.2)	2.00 (50.8)	1	0.04 - 0.13 (1.1 - 3.2)	3:1 Flattened Polyolefin	Yellow	500	1
LHS12Y2	0.13 (3.2)	1.00 (25.4)	2				1000	1
LHS12Y4	0.13 (3.2)	0.50 (12.7)	4				2000	1
LHS18Y1	0.18 (4.8)	2.00 (50.8)	1	0.06 -0.18 (1.6 - 4.8)			500	1
LHS18Y2	0.18 (4.8)	1.00 (25.4)	2				1000	1
LHS18Y4	0.18 (4.8)	0.50 (12.7)	4				2000	1
LHS25Y1	0.25 (6.4)	2.00 (50.8)	1	0.08 - 0.25 (2.1 - 6.4)			500	1
LHS25Y2	0.25 (6.4)	1.00 (25.4)	2				1000	1
LHS25Y4	0.25 (6.4)	0.50 (12.7)	4				2000	1
LHS50Y1	0.50 (12.7)	2.00 (50.8)	1	0.17 - 0.50 (4.2 - 12.7)			500	1
LHS50Y2	0.50 (12.7)	1.00 (25.4)	2				1000	1
LHS100Y1	1.00 (25.4)	2.00 (50.8)	1	0.33 - 1.00 (8.4 - 25.4)			250	1
LHS100Y2	1.00 (25.4)	1.00 (25.4)	2				500	1

*Order number of rolls required in multiples of Std. Pkg. Qty.
▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

PAN-SHRINK Heat Shrink Tools and Accessories

- For use with all Panduit Heat Shrink Markers
- Other Heat Shrink Tools and replacement parts available. Contact factory for details.

Part Number	Description	Std. Pkg. Qty.*
HSG-115V-500	General Purpose Tool – Air intake regulator varies temperature from 500°F (260°C) to 620°F (344°C), 115 Volt, 11 AMP. Neoprene jacketed cord with molded strain relief	1
HSG-115V-300	Low Temperature Tool – For use on small sizes of heat shrink when under or near heat sensitive items. Air intake regulator varies temperature from 300°F (145°C) to 450°F (232°C), 115 Volt, 8 AMP. Neoprene jacketed cord with molded strain relief	1
HSG-A1	Shrink tube reflector for tubing up to 0.75" (19.1 mm) inside diameter – Directs heat around the tubing to reduce shrink time.	1
HSG-A2	Shrink tube reflector for tubing up to 1.50" (38.1 mm) inside diameter – Directs heat around the tubing to reduce shrink time.	1
HSG-A3	Shrink tube concentrator – Directs heat toward tubing and away from heat sensitive items.	1
HSG-A4	Black polyethylene case – Stores heat tool, stand and all three accessories.	1

*Order number of heat shrink accessories required in multiples of Std. Pkg. Qty.

PTR3 Thermal Transfer Printer

New

Fast, rugged printer for high volume applications

- High speed 32-bit RISC processor provides maximum performance at speeds up to 10 inches per second
- Prints on all Panduit Thermal Transfer Labels including self-laminating labels, component labels and heat shrink (see **pages 33-45**)
- Prints crisp, superior quality 203 dpi resolution images
- Compatible with Panduit® ***PAN-MARK***™ **2.5 or higher for WINDOWS^** Label Printing Software (See **page 28** for complete software information)

Mechanical Information

Print Method: Thermal transfer and direct thermal printing

Size:
Height: 13.5" (341 mm)
Width: 10.4" (265 mm)
Depth: 17.0" (430 mm)
Weight: 40 lbs. (18 kg)

Print Speed: Up to 10 inches per second (254 mm per second)

Print Width: 4.1" (104 mm)

Media:
Roll Width: 1.0" - 5.0" (25 mm - 125 mm)
Min. Core Diameter: 1.5" (38 mm)
Max. Roll Diameter: 8.6" (220 mm)

Sensors: Adjustable position transmissive sensor for die cut labels and tags.
Reflective sensor for use with preprinted sensing marks.
Automatic, programmable setting of top of form.

Resolution: 203 dpi (8 dots/mm)

Print Information

- Inherent Bar Codes:

Bookland	EAN 8	MSI Plessey
Code 39	EAN 13	PDF417
Code 93	Industrial 2 of 5	Postnet
Code 128	Interleaved 2 of 5	UPC-A
CODABAR	Matrix 2 of 5	UPC-E
Data Matrix	Maxicode	

- Text and bar codes can be printed in four directions: 0°, 90°, 180°, 270°
- Character expansion horizontally and vertically in 12 steps
- Dot-addressable graphics
- Sequential numbering
- Form overlay for high speed editing of complex formats

Printer and Accessories

Part Number	Description	Std. Pkg. Qty*
PTR3	Thermal Transfer Printer	1
PTR-CLN	Printer Cleaning Kit Contains 4 oz. (116 ml) bottle cleaning solution with MSDS, cleaning pen, 100 swabs, 12 alcohol wipes and instructions	1

*Order number of printers required in multiples of Std. Pkg. Qty.

Ribbons

Part Number	Width In. (mm)	Length Ft. (m)	Type	Color	Std. Pkg. Qty.*
TTR4-BL-S	4.30 (109.2)	1181 (360.0)	Resin	Black	1
TTR4W-BL-S			Wax	Black	

*Order number of ribbons required in multiples of Std. Pkg. Qty.

*See **pages 33-45** for complete label information.*

Panduit Software

PAN-MARK for WINDOWS 2.5^

Page 28

Part Number: PROG-WIN2

- Designed to be used in WINDOWS
- Extensive bar code, serialization and importing features
- Supports all WINDOWS printer drivers and can be used to drive Panduit LS5E Thermal Transfer Labeling Systems, PTR1 Dot-Matrix Printer, ***DURA-MARK***™ PTR2 Thermal Transfer Printer and the PTR3 Thermal Transfer Printer (see **pages 12 - 26**)
- Easy to install
- Suggested minimum 486 processor with 8 Mb of RAM

PAN-MARK LT Labeling Software

Page 29

Part Number: PDL-PROG-LT

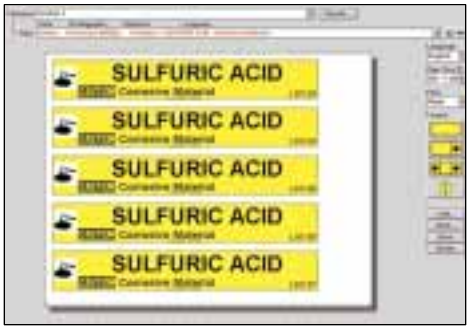
- Quickest of all DOS packages
- Requires 2 Mb of RAM
- Creates labels quickly and prints quickly
- Used with both dot-matrix and laser printers
- Features serialization, alpha and numeric
- Suggested minimum 286 processor with 2 Mb of RAM

PROG-LITE for DOS Labeling Software

Page 30

Part Number: PROG-LITE

- Used to drive Panduit PTR1 Dot-Matrix Printer to create ***ON-DEMAND***™ Wire Marker Cards in a DOS environment
- Suggested minimum 286 processor with 2 Mb of RAM



SAFETY EASE™ Marker and Tag Software

Page 31-32

Part Number: SEZ-PM

- Create Custom Electrical Markers, Tags and Pipe Markers
- Can be used with the ***DURA-MARK***™ PTR2 Thermal Transfer Printer or your own ink jet or laser printer
- Includes pictographs, serialization and the ability to add additional information
- System Requirements: WINDOWS 3.1 or higher, 386 processor or higher, 4 MB RAM for Windows 3.1 and 3.11, 8 MB RAM for Windows 95, 5 MB hard drive space

^WINDOWS is a registered trademark of Microsoft Corp.

Updated

Easy serialization, bar code, and graphic import options make complex labels seem simple

PAN-MARK™ for WINDOWS^ 2.5

- 21 Resident Bar Code Symbologies
- Ability to create spreadsheets and databases within the program for data import and information storage
- Import data from most Microsoft databases such as EXCEL^ and ACCESS^
- Easy to enter different text on each label — simply type the text and press Page Down for the next label!
- Easy to install and available on CD-ROM
- Includes all of the latest label formats for Panduit Thermal Transfer, Ink Jet, Laser and Dot-Matrix Labels

Create multiple legends for wire marking

Bar code pull down menu provides fast and easy editing

Software Features

- Uses all WINDOWS printer drivers and can be used to drive Panduit LS5E, PTR1, PTR2 and PTR3 Printers (see **pages 12-26**)
- ODBC (Open Data-Base Connectivity) allows importing of information from electronic databases such as EXCEL^ and ACCESS^ directly onto the label formats
- Tool menu allows user to add to favorite WINDOWS tools
- Uses a full range of WINDOWS fonts including TrueType* fonts
- Print from 2 pt. to 300 pt. + on the same label
- Panduit label formats ready to use
- Create custom label formats
- Wire Marker designs
- Image and text scaling
- Date, time, series, graphic and data import fields
- Format and label previews
- Print preview
- Multiple print range selection
- Text rotation and alignment

Edit Functions

- Standard copy, cut and paste
- Copy multiple labels
- Remove, Insert and Find a label

Serialization

- Alpha, numeric, octal, hexidecimal and combinations
- Multiple serialized strings in same file
- Easy text and serialization combination
- Insert constants in an existing file

Bar Code Features

- Easily create certified bar codes
- Resident Bar Code Symbologies
  - Codabar
  - Code 128 (A, Auto, B, C)
  - Code 39 (Std, Ext)
  - Code 93 (Std, Ext)
  - EAN/JAN 13
  - EAN/JAN 8
  - HIBC/HIBC-LIC
  - Interleaved 2 of 5
  - MSI Plessey
  - PDF 417
  - UCC 128
  - UPC (A, E: 11 Digit, System 0, System 1)
  - Zip+4 Postal Codes

Image Functions

- Import Bitmap (.BMP) graphic images into a label — add you own company logo to labels!
- Copy image from one label to others
- Image library includes common electrical and datacomm symbols

System Requirements

- Designed for 3.1, 3.11, WINDOWS 95, 98 and NT
- Mouse or keyboard driven
- Recommend 486 processor, min. 8 Mb of RAM
- 30 Mb of hard drive space

Part Number	Format	Std. Pkg. Qty.*
PROG-WIN2	3.5" Disks	1
PROG-WIN2CD	CD-ROM	1

*Order number of programs required in multiples of Std. Pkg. Qty.
^WINDOWS is a registered trademark of Microsoft Corp.
*TrueType is a registered trademark of Apple Computing, Inc.

PAN-MARK™ LT Labeling Software

Part Number
PDL-PROG-LT

• Available in 3.5" and 5.25" disk types.

- Fastest label generation of any DOS package
- Designed for anyone who desires a labeling system, but is concerned with cost
- Used with Panduit Computer Printable Labels to meet unique labeling applications

SOFTWARE FEATURES

- Easy to change printers
- Ability to add special ASCII characters to legend
- Context sensitive help screens throughout
- Supplied with 5.25" and 3.5" disks
- Ability to append label files
- Ability to change work directory
- Capacity to add custom label formats
- Supports mouse
- DOS Shell
- Prints without saving
- Pull-down menus and selection of menu colors
- Selection of video mode

EDIT FUNCTIONS

- Copy fields between labels in a file
- Copy fields between label files
- Selection of various character sizes
- Multiple copy of constant text
- Remove label
- Insert label
- Copy label

SERIALIZATION

- Alpha and Numeric
- In conjunction with standard text
- One or several serializations in the same file

SYSTEM REQUIREMENTS

- IBM PC or compatible
- 286 processor or higher
- 2 Mb of RAM (or higher)

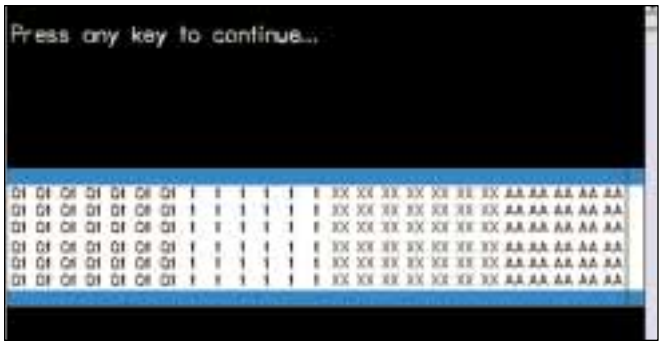
SUPPORTED PRINTERS

- ALPS Model 24
- ALPS ASP1000
- Epson EX (Series)
- Epson FX (Series)
- Epson FX-286e
- Epson LQ-800 / 850 / 570 / 870 / 950 / 1000 / 1050 / 2500
- Epson LX
- Epson RX
- HP Laser (in text mode) 10, 12 and 16.7 cpi
- IBM Proprinter X24 / XL24
- Okidata 193 / 320 / 390
- Panasonic KX-P1092 / KX-P1124 / KX-P1524 / KX-P1592 / KX-P1595
- Practical Automation
- NEC Pinwriter 2200 / 5200 / 5300
- Seikosua SP2400

***PAN-MARK* LT will also work on an Epson or IBM Proprinter X24 / XL24 compatible**

PROG-LITE for DOS Labeling Software

Part Number
PROG-LITE



- Used to drive Panduit PTR1 Dot-Matrix Printer to create ***ON-DEMAND***™ Wire Marker Cards in a DOS environment
- See **page 17** for complete information on the Panduit PTR1 Printer
- Provided on 3.5" disks

SYSTEM REQUIREMENTS

- IBM PC or compatible
- 286 processor or higher
- 2 Mb of RAM (or higher)

Order number of programs required in multiples of Std. Pkg. Qty.

SAFETY EASE™ Marker and Tag Software

New

Create Custom Markers and Tags — Just In Time!

- Produce English, Spanish and Bilingual electrical markers, tags and pipe markers with your own computer
- Can be used with the **DURA-MARK**™ PTR2 Thermal Transfer Printer or your own ink jet or laser printer
- Requires no instruction manual
- Includes pictographs, serialization and the ability to add additional information
- Installs in less than 5 minutes!
- System Requirements: WINDOWS^ 3.1 or higher, 386 processor or higher, 4 MB RAM for Windows 3.1 and 3.11, 8 MB RAM for Windows 95, 5 MB hard drive space

Part Number	Description	Std. Pkg. Qty.*
SEZ-PM	**SAFETY EASE** Marker and Tag Software	1

*Order number of programs required in multiples of Std. Pkg. Qty.

SAFETY EASE / DURA-MARK System:

Use your own computer and the PTR2 Printer with **SAFETY EASE** Software to produce vivid indoor/outdoor adhesive vinyl markers and signs

- Order supplies individually (see pages 20-21) or in kits shown below
- Sign blanks are shown below to convert adhesive markers to non-adhesive signs

SAFETY EASE Electrical Marker and Tag Kit

- To create tags and 2" high yellow and orange markers
- Part Number: SEZ-ELECKIT1

Supplies Included	Description	Qty.
PTR2	**DURA-MARK** Printer	1
SEZ-PM	**SAFETY EASE** Software	1
TTV2-YEL	2" x 100' Yellow Thermal Transfer Roll	1
TTV2-ORG	2" x 100' Orange Thermal Transfer Roll	1
TTR2-BL	2" Black Ribbon	1
PST-4	3.50" x 5.75" Self-laminating Tag with Nylon ties	25

Order number of kits required

SAFETY EASE Pipe Marker and Tag Kit

- To create tags and 2" high yellow and green markers
- Part Number: SEZ-PIPEKIT1

Supplies Included	Description	Qty.
PTR2	**DURA-MARK** Printer	1
SEZ-PM	**SAFETY EASE** Software	1
TTV2-YEL	2" x 100' Yellow Thermal Transfer Roll	1
TTV2-GRN	2" x 100' Orange Thermal Transfer Roll	1
TTR2-WH	2" White Ribbon	1
TTR2-BL	2" Black Ribbon	1
PST-4	3.50" x 5.75" Self-laminating Tag with Nylon ties	25

Order number of kits required

Sign Blanks

- Print legend on clear tape (see page 21) and adhere marker to any of the sign blanks shown

Header	Color (Legend/ Background)	Size Height x Length In. (mm)	Polyester Film Self-Adhesive	Rigid Polyethylene Non-Adhesive
CAUTION	Black/Yellow	7 x 10 (178 x 254) 10 x 14 (254 x 356) 14 x 20 (256 x 508)	PPS0710C442 PPS1014C442 PPS1420C442	PRS0710C442 PRS1014C442 PRS1420C442
DANGER	Red and Black/ White	7 x 10 (178 x 254) 10 x 14 (254 x 356) 14 x 20 (256 x 508)	PPS0710D440 PPS1014D440 PPS1420D440	PRS0710D440 PRS1014D440 PRS1420D440
NOTICE	Black and Blue/ White	7 x 10 (178 x 254) 10 x 14 (254 x 356) 14 x 20 (256 x 508)	PPS0710N443 PPS1014N443 PPS1420N443	PRS0710N443 PRS1014N443 PRS1420N443
Blank Sign- No Header	White	7 x 10 (178 x 254) 10 x 14 (254 x 356) 14 x 20 (256 x 508)	PPS0710BWHT PPS1014BWHT PPS1420BWHT	PRS0710BWHT PRS1014BWHT PRS1420BWHT
Blank Sign- No Header	Yellow	7 x 10 (178 x 254) 10 x 14 (254 x 356) 14 x 20 (256 x 508)	PPS0710BYEL PPS1014BYEL PPS1420BYEL	PRS0710BYEL PRS1014BYEL PRS1420BYEL

Order number of signs required

^WINDOWS is a registered trademark of Microsoft corp.

SAFETY EASE™ Products (cont.)

SAFETY EASE / Laser or Ink Jet Printer System:

Use your own computer and laser or ink jet printer with **SAFETY EASE** Software to create indoor electrical markers, tags and pipe markers

- Create paper markers and tags on your printer
- Self-Laminating Adhesive carriers convert paper to adhesive indoor markers
- Safety Tag Carriers convert paper to rigid indoor tags
- Card Stock Tag sheets available to create temporary tags

Self-Laminating Indoor Polyester Adhesive Carriers

- Convert paper to adhesive indoor markers
- For clean and dry surfaces
- Cut out paper marker and insert into the self-laminating adhesive carrier

Part Numbers	For Maximum Marker Size W X L In. (mm)	Carriers/Pkg	Std. Pkg. Qty.*
SEZ-PMC.75	9.00 x 1.50 (228.6 x 38.1)	5	1 Pkg.
SEZ-PMC1	12.00 x 2.00 (304.8 x 50.8)		
SEZ-PMC2	16.00 x 3.00 (406.4 x 76.2)		
SEZ-PMC6	23.00 x 4.00 (584.2 x 101.6)		
SEZ-PMC8	32.00 x 9.00 (812.8 x 228.6)		

* Order number of Std. Pkg's required.

Indoor Rigid Vinyl Safety Tag Carriers for Laser and Ink Jet Printers

- Create your own rigid indoor tags with protected legends in minutes! Using the PST Tag carrier allows tags to be resistant to mild chemicals and acids. Sturdy brass grommet provides extra durability
- Panduit PLT2S (7.4") nylon ties included for quick and easy installation

Part Numbers	Description	Lamination	No. of Carriers and Ties/ Pkg.	Std. Pkg. Qty.*
PST-4	Tag Carriers with overlaminate	Front Side Only	25	1 Pkg.
PST-6			100	
PST-5		Front and Back Sides	25	
PST-7			100	

* Order number of Std. Pkg's required.

Print paper tag using a laser or ink-jet printer. Use scissors to cut out tag.

Place tag between self-adhesive laminate liner and rigid vinyl backing. Fasten tag with Panduit Cable Tie.

Economical Card Stock Tags for Ink Jet Printers

- Economical solution for temporary, indoor tags

Print sheet of tag stock using an ink-jet printer. Tear tags apart on perforation.

Part Numbers	Description	Color	Sheets/ Pkg.	Std. Pkg. Qty.*
SEZ-TAGWH	Perforated card stock, four blank tags per sheet	White	25	1 Pkg.
SEZ-TAGOR		Orange		
SEZ-TAGY		Yellow		
SEZ-TAGRD		Red		
SEZ-TAGGR		Green		
SEZ-TAGBU		Blue		

* Order number of Std. Pkg's required.

Panduit offers high quality thermal transfer labels in a variety of materials, sizes and styles.

New

Panduit Thermal Transfer Labels are used for a wide variety of identification purposes including wire marking, bar code labeling, and shipment tracking. Label materials are available that provide weather and chemical resistance and withstand temperature extremes and UV exposure. With a full range of sizes, there is a label available for every application. The need for large inventories of custom preprinted labels and long lead times is eliminated, providing an economical solution to all of your labeling needs.

All labels in this section are roll mounted on 3.00" (76.2 mm) cores.

Self-Laminating Thermal Transfer Labels

- These labels are used most commonly for marking wires, cables, test tubes and other cylindrical objects in applications where a protective overlaminate is needed.

Specialized Blank Thermal Transfer Labels

- Panduit offers labels in a variety of high performance materials for a wide range of applications from labeling circuit boards to asset management to wire identification. These labels are designed for specific purposes and are available in five materials to meet your application requirements.

Heat Shrink Labels

- Durable, high quality permanent heat shrink markers for wire and cable identification.
- Available in white and yellow for wire diameters from 0.04" to 1.00".

Thermal Transfer Ribbons

- Designed specifically for outstanding images in harsh environments on a wide spectrum of materials.
- Available in two types:
  - Resin for harsh environments
  - Wax for self-laminating labels, heat shrink labels and general purpose labeling

Suggested Applications for Thermal Transfer Labels:

Circuit Board Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP4-W Paper	White	Indoor	37
GMY4-C Polyester	Clear	Indoor / Outdoor	38
GMY4-W Polyester	White	Indoor / Outdoor	38
GMY4-S Polyester	Silver	Indoor / Outdoor	39
GMY4-STE Tamper Evident Polyester	Silver	Indoor / Outdoor	39
GMPE4-W Destructible Polyethylene	White	Indoor	37

Rating Plate Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP4-W Paper	White	Indoor	37
GMY4-C Polyester	Clear	Indoor / Outdoor	38
GMY4-W Polyester	White	Indoor / Outdoor	38
GMY4-S Polyester	Silver	Indoor / Outdoor	39
GMY4-STE Tamper Evident Polyester	Silver	Indoor / Outdoor	39
GMPE4-W Destructible Polyethylene	White	Indoor	37

Laboratory and Health Care Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP4-W Paper	White	Indoor	37
GMY4-C Polyester	Clear	Indoor / Outdoor	38
GMY4-W Polyester	White	Indoor / Outdoor	38
GMY4-STE Tamper Evident Polyester	Silver	Indoor / Outdoor	39
GMPE4-W Destructible Polyethylene	White	Indoor	37
GMV3 Self-Laminating Vinyl	White / Clear	Indoor	36

Asset Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP4-W Paper	White	Indoor	37
GMY4-C Polyester	Clear	Indoor / Outdoor	38
GMY4-W Polyester	White	Indoor / Outdoor	38
GMY4-S Polyester	Silver	Indoor / Outdoor	39
GMY4-STE Tamper Evident Polyester	Silver	Indoor / Outdoor	39

See Material Selection Guide on page 36 for complete material specifications.

Suggested Applications for Thermal Transfer Labels:

Bar Code Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP4-W Paper	White	Indoor	37
GMY4-C Polyester	Clear	Indoor / Outdoor	38
GMY4-W Polyester	White	Indoor / Outdoor	38
GMY4-S Polyester	Silver	Indoor / Outdoor	39
GMY4-STE Tamper Evident Polyester	Silver	Indoor / Outdoor	39

Wire and Cable Identification

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMV3 Self-Laminating Vinyl	White / Clear	Indoor	36
GMT4-W TEDLAR▲	White	Indoor / Outdoor	39

Shipment Tracking

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP4-W Paper	White	Indoor	37
GMY4-W Polyester	White	Indoor / Outdoor	38

Network Systems Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMY4-W Polyester	White	Indoor / Outdoor	40-41
GMY4-C Polyester	Clear	Indoor / Outdoor	41

▲TEDLAR is the registered trademark of E. I. DuPont Co.

See Material Selection Guide on page 36 for complete material specifications.

Thermal Transfer Material Selection Guide

Choose the material that best suits your application:

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec.	CSA
GMV3	Self-Laminating Vinyl Film	-40°F to 176°F (-40°C to 80°C)	General purpose vinyl self-laminating labels	Clear	No	No	Yes	Yes
GMP4-W	Destructible Paper	-65°F to 160°F (-54°C to 71°C)	Tamper resistant litho paper for permanent applications	White	No	No	No	No
GMPE4-W	Destructible Polyethylene	-40°F to 176°F (-40°C to 80°C)	Destructible adhesive for permanent applications	White	No	No	No	No
GMY4-C	Clear Polyester	-40°F to 302°F (-40°C to 150°C)	Durable; high temperature; does not stretch or easily tear	Clear	Yes	Yes	No	No
GMY4-W	White Polyester	-40°F to 302°F (-40°C to 150°C)	Durable; high temperature; does not stretch or easily tear	White	Yes	Yes	No	No
GMY4-S	Metallized Polyester	-40°F to 302°F (-40°C to 150°C)	Durable; high temperature; does not stretch or easily tear; protects data EPROM by blocking out light	Silver	Yes	Yes	No	No
GMY4-STE	Tamper Evident Polyester	-40°F to 104°F (-40°C to 40°C)	Destructible material; label cannot be completely removed once applied	Silver	Yes	No	No	No
GMT4-W	TEDLAR ▲	-40°F to 225°F (-40°C to 106°C)	Indoor/outdoor high temperature labels; Self-extinguishing	White	Yes	Yes	No	No

▲TEDLAR is the registered trademark of E. I. DuPont Co.

Self-Laminating Thermal Transfer Labels

GMV3 Self-Laminating Vinyl — Indoor Applications

Suggested Uses

- Laboratory and Health Care
- Wire and Cable Identification

Key Features

- General purpose self-laminating labels

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ■ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTSL8VC3-10	GMV3 Self-Laminating Vinyl	White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.41 (12.7 x 10.4)	0.10 (2.5)	44	10,000
TTSL1VC3-10			0.50 x 1.50 (12.7 x 38.1)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.32 (4.1 - 8.1)	44	10,000
TTSL10VC3-5			0.50 x 2.00 (12.7 x 50.8)	0.50 x 1.00 (12.7 x 25.4)	0.32 (8.1)	44	5000
TTSL247VC3-10			0.80 x 0.94 (20.3 x 23.9)	0.80 x 0.38 (20.3 x 9.6)	0.12 - 0.18 (3.0 - 4.6)	44	10,000
TTSL9VC3-10			1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.6)	0.12 (3.0)	44	10,000
TTSL250VC3-2.5			1.00 x 0.94 (25.4 x 23.9)	1.00 x 0.38 (25.4 x 9.6)	0.12 - 0.18 (3.0 - 4.5)	44	2500
TTSL2VC3-10			1.00 x 1.50 (25.4 x 38.1)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.32 (4.1 - 8.1)	44	10,000
TTSL4VC3-5			1.00 x 2.44 (25.4 x 62.0)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.46 (8.1 - 11.6)	44	5000
TTSL6VC3-2.5			1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	44	2500
TTSL3VC3-1			2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.32 (4.1 - 8.1)	44	1000
TTSL7VC3-1			2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	44	1000

*Order number of labels required in multiples of Std. Pkg. Qty.
■Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

Blank Thermal Transfer Labels by Material

GMP4-W Paper — Indoor Applications

Key Features
- Tamper resistant litho paper for permanent applications

Suggested Uses
- Rating Plates
- Laboratory and Health Care
- Asset Identification
- Bar Code Labels
- Shipment Tracking
- Hazardous Material Identification

Part Number	Material	Color	Label Size Width x Length In (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTC15P-2.5	GMP4-W Paper	White	1.50 x 1.00 (38.1 x 25.4)	42	2500
TTC20P-2.5			2.00 x 1.00 (50.8 x 25.4)	42	2500
TTC21P-2.5			2.00 x 1.25 (50.8 x 31.8)	42	2500
TTC22P-2.5			2.75 x 1.25 (69.9 x 31.8)	43	2500
TTC46P-5			3.00 x 0.94 (76.2 x 23.8)	43	5000
TTC24P-2.5			3.00 x 1.00 (76.2 x 25.4)	43	2500
TTC25P-1			3.00 x 2.00 (76.2 x 50.8)	43	1000
TTC26P-1			3.00 x 5.00 (76.2 x 127.0)	43	1000
TTC31P-1			3.50 x 1.00 (88.9 x 25.4)	43	1000
TTC32P-1			3.50 x 8.00 (88.9 x 203.2)	43	1000
TTC34P-.5			3.63 x 4.2 (92.1 x 107.1)	43	500
TTC33P-.5			3.63 x 5.79 (92.1 x 147.1)	43	500
TTC35P-2.5			4.00 x 1.00 (101.6 x 25.4)	43	2500
TTC36P-1			4.00 x 2.00 (101.6 x 50.8)	43	1000
TTC37P-1			4.00 x 3.00 (101.6 x 76.2)	43	1000
TTC38P-1			4.00 x 4.00 (101.6 x 101.6)	43	1000
TTC39P-1			4.00 x 5.00 (101.6 x 127.0)	43	1000
TTC40P-1			4.00 x 6.00 (101.6 x 152.4)	43	1000
TTC41P-1			4.00 x 6.50 (101.6 x 165.1)	43	1000
TTC42P-.5			4.00 x 12.88 (101.6 x 327.0)	43	500
TTC43P-1			5.00 x 4.00 (127.0 x 101.6)	44	1000
TTC44P-1			6.00 x 4.00 (152.4 x 101.6)	44	1000

GMPE4-W Destructible Polyethylene — Indoor Applications

Key Features
- Tamper evident

Suggested Uses
- Circuit Board Labeling
- Rating Plates
- Laboratory and Health Care

Part Number	Material	Color	Label Size Width x Length In (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTC8ET-10	GMPE4-W Destructible Polyethylene	White	1.00 x 0.50 (25.4 x 12.7)	42	10,000

Blank Thermal Transfer Labels by Material (cont.)

GMY4-C Clear Polyester — Indoor/Outdoor Applications

Key Features
- Durable
- High temperature
- Does not stretch or easily tear

Suggested Uses
- Circuit Board Labeling
- Rating Plates
- Asset Identification
- Bar Code Labels

Part Number	Material	Color	Label Size Width x Length In (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTC8YC-10	GMY4-C Polyester	Clear	1.00 x 0.50 (25.4 x 12.7)	42	10,000
TTC20YC-2.5			2.00 x 1.00 (50.8 x 25.4)	42	2500
TTC24YC-2.5			3.00 x 1.00 (76.2 x 25.4)	43	2500
TTC25YC-1			3.00 x 2.00 (76.2 x 50.8)	43	1000

GMY4-W White Polyester — Indoor/Outdoor Applications

Key Features
- Durable
- High temperature
- Does not stretch or easily tear

Suggested Uses
- Circuit Board Labeling
- Rating Plates
- Laboratory and Health Care
- Asset Identification
- Bar Code Labels
- Shipment Tracking
- Hazardous Material Identification

Part Number	Material	Color	Label Size Width x Length In (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTC1Y-10	GMY4-W Polyester	White	0.25 x 0.25 (6.4 x 6.4)	42	10,000
TTC2Y-10			0.38 x 0.38 (9.5 x 9.5)	42	10,000
TTC3Y-10			0.50 x 0.44 (12.7 x 11.1)	42	10,000
TTC45Y-1			0.50 x 0.75 (12.7 x 19.1)	42	1000
TTC4Y-10			0.65 x 0.20 (16.5 x 5.1)	42	10,000
TTC5Y-10			0.75 x 0.25 (19.1 x 6.4)	42	10,000
TTC6Y-10			0.90 x 0.25 (22.9 x 6.4)	42	10,000
TTC7Y-10			1.00 x 0.38 (25.4 x 9.5)	42	10,000
TTC8Y-10			1.00 x 0.50 (25.4 x 12.7)	42	10,000
TTC9Y-10			1.25 x 0.25 (31.8 x 6.4)	42	10,000
TTC10Y-10			1.25 x 0.38 (31.8 x 9.5)	42	10,000
TTC11Y-10			1.50 x 0.25 (38.1 x 6.4)	42	10,000
TTC12Y-10			1.50 x 0.50 (38.1 x 12.7)	42	10,000
TTC13Y-10			1.50 x 0.75 (38.1 x 19.1)	42	10,000
TTC14Y-2.5			1.50 x 0.81 (38.1 x 20.6)	42	2500
TTC15Y-2.5			1.50 x 1.00 (38.1 x 25.4)	42	2500
TTC16Y-2.5			1.50 x 1.13 (38.1 x 28.6)	42	2500
TTC17Y-2.5			1.63 x 1.25 (41.3 x 31.8)	42	2500
TTC18Y-2.5			2.00 x 0.25 (50.8 x 6.4)	42	2500
TTC19Y-2.5			2.00 x 0.50 (50.8 x 12.7)	42	2500
TTC20Y-2.5			2.00 x 1.00 (50.8 x 25.4)	42	2500
TTC22Y-2.5			2.75 x 1.25 (69.9 x 31.8)	43	2500
TTC23Y-2.5			3.00 x 0.25 (76.2 x 6.4)	43	2500
TTC24Y-2.5			3.00 x 1.00 (76.2 x 25.4)	43	2500
TTC25Y-1			3.00 x 2.00 (76.2 x 50.8)	43	1000
TTC27Y-10			3.25 x 0.31 (82.6 x 7.92)	43	10,000
TTC28Y-10			3.25 x 0.50 (82.6 x 12.7)	43	10,000
TTC29Y-5			3.25 x 0.63 (82.6 x 15.9)	43	5000
TTC30Y-2.5			3.25 x 0.81 (82.6 x 20.6)	43	2500
TTC31Y-1			3.50 x 1.00 (88.9 x 25.4)	43	1000
TTC32Y-1			3.50 x 8.00 (88.9 x 203.2)	43	1000
TTC35Y-2.5			4.00 x 1.00 (101.6 x 25.4)	43	2500
TTC36Y-1			4.00 x 2.00 (101.6 x 50.8)	43	1000
TTC37Y-1			4.00 x 3.00 (101.6 x 76.2)	43	1000
TTC38Y-1			4.00 x 4.00 (101.6 x 101.6)	43	1000
TTC39Y-1			4.00 x 5.00 (101.6 x 127.0)	43	1000
TTC41Y-1			4.00 x 6.50 (101.6 x 165.1)	43	1000
TTC42Y-.5			4.00 x 12.88 (101.6 x 327.0)	43	500
TTC43Y-1			5.00 x 4.00 (127.0 x 101.6)	44	1000
TTC44Y-1			6.00 x 4.00 (152.4 x 101.6)	44	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Thermal Transfer Labels by Material (cont.)

GMY4-S Silver Polyester — Indoor/Outdoor Applications

Key Features
- Durable
- High temperature
- Does not stretch or easily tear
- Protects data EPROM by blocking out light

Suggested Uses
- Circuit Board Labeling
- Rating Plates
- Asset Identification
- Bar Code Labels

Part Number	Material	Color	Label Size Width x Length In (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTC3YS-10	GMY4-S Polyester	Silver	0.50 x 0.44 (12.7 x 11.1)	42	10,000
TTC5YS-10			0.75 x 0.25 (19.1 x 6.4)	42	10,000
TTC7YS-10			1.00 x 0.38 (25.4 x 9.5)	42	10,000
TTC8YS-10			1.00 x 0.50 (25.4 x 12.7)	42	10,000
TTC13YS-10			1.50 x 0.75 (38.1 x 19.1)	42	10,000
TTC20YS-2.5			2.00 x 1.00 (50.8 x 25.4)	42	2500
TTC22YS-2.5			2.75 x 1.25 (69.9 x 31.8)	43	2500
TTC24YS-2.5			3.00 x 1.00 (76.2 x 25.4)	43	2500
TTC25YS-1			3.00 x 2.00 (76.2 x 50.8)	43	1000
TTC36YS-1			4.00 x 2.00 (101.6 x 50.8)	43	1000

GMY4-STE Tamper Evident Polyester — Indoor/Outdoor Applications

Key Features
- Tamper evident

Suggested Uses
- Circuit Board Labeling
- Rating Plates
- Laboratory and Health Care
- Asset Identification

Part Number	Material	Color	Label Size Width x Length In (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTC3YST-10	GMY4-STE Tamper Evident Polyester	Silver	0.50 x 0.44 (12.7 x 11.1)	42	10,000
TTC4YST-10			0.65 x 0.20 (16.5 x 5.1)	42	10,000
TTC5YST-10			0.75 x 0.25 (19.1 x 6.4)	42	10,000
TTC8YST-10			1.00 x 0.50 (25.4 x 12.7)	42	10,000
TTC20YST-2.5			2.00 x 1.00 (50.8 x 25.4)	42	2500
TTC24YST-2.5			3.00 x 1.00 (76.2 x 25.4)	43	2500
TTC25YST-1			3.00 x 2.00 (76.2 x 50.8)	43	1000

GMT4-W TEDLAR▲ — Indoor/Outdoor Applications

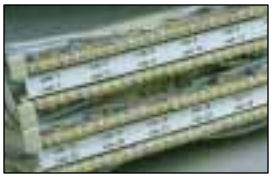
Key Features
- High temperature
- Self-extinguishing

Suggested Uses
- Wire and Cable Identification
- Outdoor Applications

Part Number	Material	Color	Label Size Width x Length In (mm)	Dwg. Page No.	Std. Pkg. Qty.*
TTC4T-10	GMT4-W TEDLAR▲	White	0.65 x 0.20 (16.5 x 5.1)	42	10,000
TTC5T-10			0.75 x 0.25 (19.1 x 6.4)	42	10,000
TTC6T-10			0.90 x 0.25 (22.9 x 6.4)	42	10,000
TTC8T-10			1.00 x 0.50 (25.4 x 12.7)	42	10,000
TTC10T-10			1.25 x 0.38 (31.8 x 9.5)	42	10,000

▲TEDLAR is the registered trademark of E. I. DuPont Co.

TIA/EIA-606 Compliant Network Systems Labeling



What is TIA/EIA-606?

TIA/EIA-606 is a standard from the Telecommunications Industry Association which requires labeling and administration of the telecommunication infrastructure in commercial buildings. TIA-606 applies to Cables, Connectors, Hub Facilities, Termination Facilities (Patch Panels), Conduits and Pathways.

Panduit manufactures a broad range of labeling products to help you conform to TIA/EIA-606.

Along with the labels already shown in this section, the following pages feature labels designed specifically for Network Systems Labeling.

*For more information on the complete line of **PAN-NET**™ Network Cabling System Products, ask for the Communication Products Catalog.*

Termination Hardware Labeling

Adhesive 110 Punchdown Block Labels

- Eliminate the need for standard paper designation strips
- Labels are placed on top of label holders

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Web Width In. (mm)	Std. Pkg. Qty.*
TTC-DS110-.5	GMY4-W Polyester	White	0.50 (12.7)	7.88 (200.0)	—	8.13 (206.4)	1	1.25 (31.8)	500

*Order number of labels required in multiples of Std. Pkg. Qty.

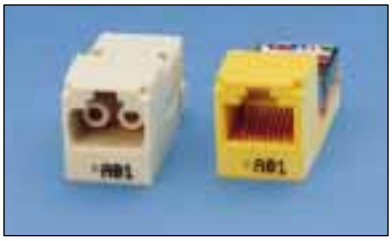
Adhesive Label for Patch Panels and Modular Furniture Faceplates

- Label is perforated on black lines to be used in 2 position, 4 position, or 6 position applications

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Web Width In. (mm)	Std. Pkg. Qty.*
TTC-CPL-1	GMY4-W Polyester	White	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	1	1.25 (31.8)	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Network Systems Labeling — Termination Position Labeling



MINI-JACK™ Modular Jack and OPTI-JACK™ Fiber Optic Connector Labels

- Identify individual jacks and connectors
- Wrap around design allows for quick and secure installation
- Labels attach directly to jacks

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Web Width In. (mm)	Std. Pkg. Qty.*
TTC-MJ-5	GMY4 Polyester	Clear	1.38 (34.9)	0.19 (4.8)	—	0.38 (9.5)	1	2.25 (57.2)	5000
TTC-MJWH-5		White							

*Order number of labels required in multiples of Std. Pkg. Qty.

Faceplate Adhesive Labels

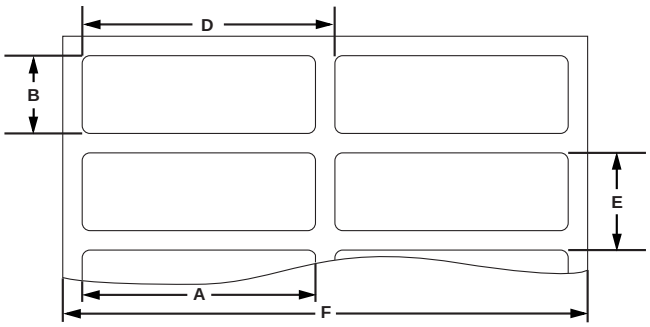
- For use with MINI-COM® Executive and Designer Series Faceplates
- Designed to fit on vinyl insert provided with faceplate
- Single and Double Gang versions available
- Can also be used to identify MINI-COM Surface Mount Boxes

Part Number	Faceplate Type	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Web Width In. (mm)	Std. Pkg. Qty.*
TTC-EFPL-1	Single Gang	GMY4-W Polyester	White	1.80 (45.7)	0.38 (9.5)	—	0.63 (15.9)	1	2.25 (57.2)	1000
TTC-EFPLC-1			Clear							
TTC-EFPL10-1	Double Gang		White	2.90 (73.7)	0.30 (7.6)	—	0.55 (14.0)	1	3.25 (82.6)	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

For more information on the complete line of PAN-NET™ Network Cabling System Products, ask for the Communication Products Catalog.

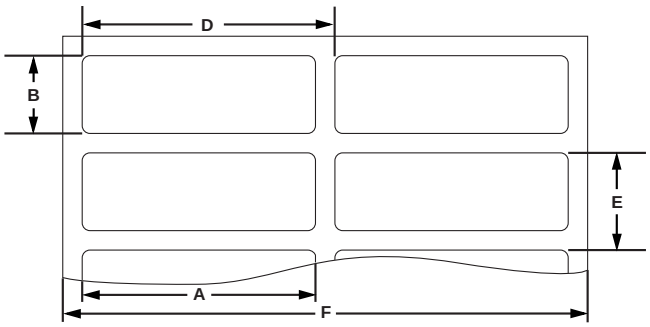
Blank Thermal Transfer Labels by Size



Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Web Width F In. (mm)	Std. Pkg. Qty.*
TTC1Y-10	Polyester	White	0.25 (6.4)	0.25 (6.4)	0.25 (6.4)	0.38 (9.5)	12	3.20 (81.3)	10,000
TTC-CPL-1	Polyester	White	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	1	1.25 (31.8)	1000
TTC2Y-10	Polyester	White	0.38 (9.5)	0.38 (9.5)	0.44 (11.1)	0.48 (12.1)	7	3.20 (81.3)	10,000
TTC3YS-10	Polyester	Silver	0.50 (12.7)	0.44 (11.1)	0.66 (16.8)	0.48 (12.1)	5	3.35 (85.1)	10,000
TTC3Y-10	Polyester	White	0.50 (12.7)	0.44 (11.1)	0.66 (16.8)	0.48 (12.1)	5	3.35 (85.1)	10,000
TTC3YST-10	Tamper Evident Polyester	Silver	0.50 (12.7)	0.44 (11.1)	0.66 (16.8)	0.48 (12.1)	5	3.35 (85.1)	10,000
TTC45Y-1	Polyester	White	0.50 (12.7)	0.75 (19.1)	0.50 (12.7)	0.88 (22.2)	1	4.25 (108.0)	1000
TTC-DS110-.5	Polyester	White	0.50 (12.7)	7.88 (200.0)	—	8.13 (206.4)	1	1.25 (31.8)	500
TTC4Y-10	Polyester	White	0.65 (16.5)	0.20 (5.1)	0.70 (17.8)	0.28 (7.0)	4	2.95 (74.9)	10,000
TTC4YST-10	Tamper Evident Polyester	Silver	0.65 (16.5)	0.20 (5.1)	0.70 (17.8)	0.28 (7.0)	4	2.95 (74.9)	10,000
TTC4T-10	TEDLAR▲	White	0.65 (16.5)	0.20 (5.1)	0.70 (17.8)	0.28 (7.0)	4	2.95 (74.9)	10,000
TTC5YS-10	Polyester	Silver	0.75 (19.1)	0.25 (6.4)	0.80 (20.3)	0.35 (8.9)	4	3.35 (85.1)	10,000
TTC5Y-10	Polyester	White	0.75 (19.1)	0.25 (6.4)	0.80 (20.3)	0.35 (8.9)	4	3.35 (85.1)	10,000
TTC5YST-10	Tamper Evident Polyester	Silver	0.75 (19.1)	0.25 (6.4)	0.80 (20.3)	0.35 (8.9)	4	3.35 (85.1)	10,000
TTC5T-10	TEDLAR	White	0.75 (19.1)	0.25 (6.4)	0.80 (20.3)	0.35 (8.9)	4	3.35 (85.1)	10,000
TTC6Y-10	Polyester	White	0.90 (22.9)	0.25 (6.4)	1.13 (28.6)	0.35 (8.9)	3	3.35 (85.1)	10,000
TTC6T-10	TEDLAR	White	0.90 (22.9)	0.25 (6.4)	1.13 (28.6)	0.35 (8.9)	3	3.35 (85.1)	10,000
TTC7YS-10	Polyester	Silver	1.00 (25.4)	0.38 (9.5)	1.08 (27.3)	0.48 (12.1)	3	3.35 (85.1)	10,000
TTC7Y-10	Polyester	White	1.00 (25.4)	0.38 (9.5)	1.08 (27.3)	0.48 (12.1)	3	3.35 (85.1)	10,000
TTC8ET-10	Destructible Polyethylene	White	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8YS-10	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8YC-10	Polyester	Clear	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.63 (15.9)	3	3.35 (85.1)	10,000
TTC8Y-10	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8YST-10	Tamper Evident Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC8T-10	TEDLAR	White	1.00 (25.4)	0.50 (12.7)	1.08 (27.3)	0.60 (15.2)	3	3.35 (85.1)	10,000
TTC9Y-10	Polyester	White	1.25 (31.8)	0.25 (6.4)	1.30 (33.0)	0.38 (9.5)	2	2.75 (69.9)	10,000
TTC10Y-10	Polyester	White	1.25 (31.8)	0.38 (9.5)	1.30 (33.0)	0.48 (12.1)	2	2.75 (69.9)	10,000
TTC10T-10	TEDLAR	White	1.25 (31.8)	0.38 (9.5)	1.30 (33.0)	0.48 (12.1)	2	2.75 (69.9)	10,000
TTC-MJ-5	Polyester	Clear	1.38 (34.9)	0.19 (4.8)	—	0.38 (9.5)	1	2.25 (57.2)	5000
TTC-MJWH-5	Polyester	White	1.38 (34.9)	0.19 (4.8)	—	0.38 (9.5)	1	2.25 (57.2)	5000
TTC11Y-10	Polyester	White	1.50 (38.1)	0.25 (6.4)	1.65 (41.9)	0.35 (8.9)	2	3.35 (85.1)	10,000
TTC12Y-10	Polyester	White	1.50 (38.1)	0.50 (12.7)	1.65 (41.9)	0.63 (15.9)	2	3.35 (85.1)	10,000
TTC13YS-10	Polyester	Silver	1.50 (38.1)	0.75 (19.1)	1.65 (41.9)	0.88 (22.2)	2	3.35 (85.1)	10,000
TTC13Y-10	Polyester	White	1.50 (38.1)	0.75 (19.1)	1.65 (41.9)	0.88 (22.2)	2	3.35 (85.1)	10,000
TTC14Y-2.5	Polyester	White	1.50 (38.1)	0.81 (20.6)	1.65 (41.9)	0.94 (23.8)	2	3.35 (85.1)	2500
TTC15P-2.5	Paper	White	1.50 (38.1)	1.00 (25.4)	—	1.63 (41.3)	1	1.75 (44.5)	2500
TTC15Y-2.5	Polyester	White	1.50 (38.1)	1.00 (25.4)	—	1.63 (41.3)	1	1.75 (44.5)	2500
TTC16Y-2.5	Polyester	White	1.50 (38.1)	1.13 (28.6)	1.65 (41.9)	1.25 (31.8)	2	3.35 (85.1)	2500
TTC17Y-2.5	Polyester	White	1.63 (41.3)	1.25 (31.8)	—	1.38 (34.9)	1	2.20 (55.9)	2500
TTC-EFPLC-1	Polyester	Clear	1.80 (45.7)	0.38 (9.5)	—	0.63 (15.9)	1	2.25 (57.2)	1000
TTC-EFPL-1	Polyester	White	1.80 (45.7)	0.38 (9.5)	—	0.63 (15.9)	1	2.25 (57.2)	1000
TTC18Y-2.5	Polyester	White	2.00 (50.8)	0.25 (6.4)	—	0.38 (9.5)	1	2.20 (55.9)	2500
TTC19Y-2.5	Polyester	White	2.00 (50.8)	0.50 (12.7)	—	0.60 (15.2)	1	2.20 (55.9)	2500
TTC20YS-2.5	Polyester	Silver	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20P-2.5	Paper	White	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20YC-2.5	Polyester	Clear	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20Y-2.5	Polyester	White	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC20YST-2.5	Tamper Evident Polyester	Silver	2.00 (50.8)	1.00 (25.4)	—	1.13 (28.6)	1	2.20 (55.9)	2500
TTC21P-2.5	Paper	White	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	2.20 (55.9)	2500

Labels are roll mounted on 3.00" (76.2 mm) core.
*Order number of labels required in multiples of Std. Pkg. Qty.
▲TEDLAR is the registered trademark of E. I. DuPont Co.

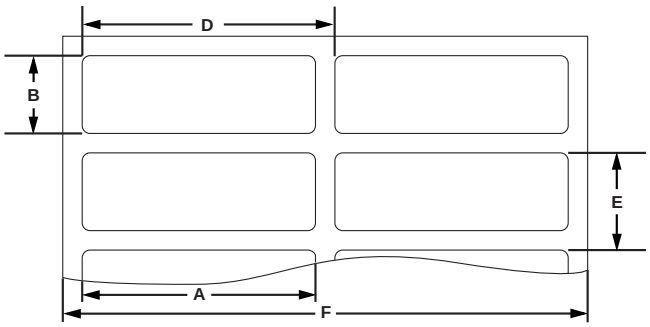
Blank Thermal Transfer Labels by Size (cont.)



Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Web Width F In. (mm)	Std. Pkg. Qty.*
TTC22YS-2.5	Polyester	Silver	2.75 (69.9)	1.25 (31.8)	—	1.38 (34.9)	1	2.95 (74.9)	2500
TTC22P-2.5	Paper	White	2.75 (69.9)	1.25 (31.8)	—	1.38 (34.9)	1	2.95 (74.9)	2500
TTC22Y-2.5	Polyester	White	2.75 (69.9)	1.25 (31.8)	—	1.38 (34.9)	1	2.95 (74.9)	2500
TTC-EFPL10-1	Polyester	White	2.90 (73.7)	0.30 (7.6)	—	0.55 (14.0)	1	3.25 (82.6)	1000
TTC23Y-2.5	Polyester	White	3.00 (76.2)	0.25 (6.4)	—	0.38 (9.5)	1	3.20 (81.3)	2500
TTC46P-5	Paper	White	3.00 (76.2)	0.94 (23.8)	—	1.06 (27.0)	1	3.35 (85.1)	5000
TTC24YS-2.5	Polyester	Silver	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24P-2.5	Paper	White	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24YC-2.5	Polyester	Clear	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24Y-2.5	Polyester	White	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC24YST-2.5	Tamper Evident Polyester	Silver	3.00 (76.2)	1.00 (25.4)	—	1.13 (28.6)	1	3.20 (81.3)	2500
TTC25YS-1	Polyester	Silver	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25P-1	Paper	White	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25YC-1	Polyester	Clear	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25Y-1	Polyester	White	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC25YST-1	Tamper Evident Polyester	Silver	3.00 (76.2)	2.00 (50.8)	—	2.13 (54.0)	1	3.20 (81.3)	1000
TTC26P-1	Paper	White	3.00 (76.2)	5.00 (127.0)	—	5.13 (130.2)	1	3.20 (81.3)	1000
TTC27Y-10	Polyester	White	3.25 (82.6)	0.31 (7.9)	—	0.44 (11.1)	1	4.20 (106.7)	10,000
TTC28Y-10	Polyester	White	3.25 (82.6)	0.50 (12.7)	—	0.63 (15.9)	1	4.20 (106.7)	10,000
TTC29Y-5	Polyester	White	3.25 (82.6)	0.63 (15.9)	—	0.75 (19.1)	1	4.20 (106.7)	5000
TTC30Y-2.5	Polyester	White	3.25 (82.6)	0.81 (20.6)	—	0.94 (23.8)	1	4.20 (106.7)	2500
TTC31P-1	Paper	White	3.50 (88.9)	1.00 (25.4)	—	1.13 (28.6)	1	3.75 (95.3)	1000
TTC31Y-1	Polyester	White	3.50 (88.9)	1.00 (25.4)	—	1.13 (28.6)	1	3.75 (95.3)	1000
TTC32P-1	Paper	White	3.50 (88.9)	8.00 (203.2)	—	8.13 (206.4)	1	3.75 (95.3)	1000
TTC32Y-1	Polyester	White	3.50 (88.9)	8.00 (203.2)	—	8.13 (206.4)	1	3.75 (95.3)	1000
TTC34P-.5	Paper	White	3.63 (92.1)	4.20 (107.1)	—	4.34 (110.3)	1	4.20 (106.7)	500
TTC33P-.5	Paper	White	3.63 (92.1)	5.79 (147.1)	—	5.92 (150.3)	1	4.20 (106.7)	500
TTC35P-2.5	Paper	White	4.00 (101.6)	1.00 (25.4)	—	4.13 (104.8)	1	4.20 (106.7)	2500
TTC35Y-2.5	Polyester	White	4.00 (101.6)	1.00 (25.4)	—	4.13 (104.8)	1	4.20 (106.7)	2500
TTC36YS-1	Polyester	Silver	4.00 (101.6)	2.00 (50.8)	—	2.13 (54.0)	1	4.20 (106.7)	1000
TTC36P-1	Paper	White	4.00 (101.6)	2.00 (50.8)	—	2.13 (54.0)	1	4.20 (106.7)	1000
TTC36Y-1	Polyester	White	4.00 (101.6)	2.00 (50.8)	—	2.13 (54.0)	1	4.20 (106.7)	1000
TTC37P-1	Paper	White	4.00 (101.6)	3.00 (76.2)	—	3.13 (79.4)	1	4.20 (106.7)	1000
TTC37Y-1	Polyester	White	4.00 (101.6)	3.00 (76.2)	—	3.13 (79.4)	1	4.20 (106.7)	1000
TTC38P-1	Paper	White	4.00 (101.6)	4.00 (101.6)	—	4.13 (104.8)	1	4.20 (106.7)	1000
TTC38Y-1	Polyester	White	4.00 (101.6)	4.00 (101.6)	—	4.13 (104.8)	1	4.20 (106.7)	1000
TTC39P-1	Paper	White	4.00 (101.6)	5.00 (127.0)	—	5.13 (130.2)	1	4.20 (106.7)	1000
TTC39Y-1	Polyester	White	4.00 (101.6)	5.00 (127.0)	—	5.13 (130.2)	1	4.20 (106.7)	1000
TTC40P-1	Paper	White	4.00 (101.6)	6.00 (152.4)	—	6.06 (154.0)	1	4.20 (106.7)	1000
TTC41P-1	Paper	White	4.00 (101.6)	6.50 (165.1)	—	6.63 (168.3)	1	4.20 (106.7)	1000
TTC41Y-1	Polyester	White	4.00 (101.6)	6.50 (165.1)	—	6.63 (168.3)	1	4.20 (106.7)	1000
TTC42P-.5	Paper	White	4.00 (101.6)	12.88 (327.0)	—	13.00 (330.2)	1	4.20 (106.7)	500
TTC42Y-.5	Polyester	White	4.00 (101.6)	12.88 (327.0)	—	13.00 (330.2)	1	4.20 (106.7)	500

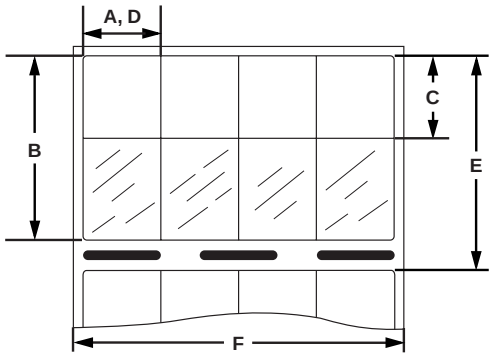
Labels are roll mounted on 3.00" (76.2 mm) core.
*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Thermal Transfer Labels by Size (cont.)



Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Web Width F In. (mm)	Std. Pkg. Qty.*
TTC43P-1	Paper	White	5.00 (127.0)	4.00 (101.6)	—	4.13 (104.8)	1	5.20 (132.1)	1000
TTC43Y-1	Polyester	White	5.00 (127.0)	4.00 (101.6)	—	4.13 (104.8)	1	5.20 (132.1)	1000
TTC44P-1	Paper	White	6.00 (152.4)	4.00 (101.6)	—	4.13 (104.8)	1	6.20 (157.5)	1000
TTC44Y-1	Polyester	White	6.00 (152.4)	4.00 (101.6)	—	4.13 (104.8)	1	6.20 (157.5)	1000

Self-Laminating Thermal Transfer Labels by Size



Part Number	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Web Width F In. (mm)	Std. Pkg. Qty.*
TTSL8VC3-10	GMV3 SL	White	0.50 (12.7)	0.75 (19.1)	0.41 (10.4)	0.50 (12.7)	0.88 (22.2)	8	4.25 (108.0)	10,000
TTSL1VC3-10	GMV3 SL	White	0.50 (12.7)	1.50 (38.1)	0.50 (12.7)	0.50 (12.7)	1.80 (45.7)	8	4.25 (108.0)	10,000
TTSL10VC3-5	GMV3 SL	White	0.50 (12.7)	2.00 (50.8)	1.00 (25.4)	0.50 (12.7)	2.13 (54.0)	4	4.25 (108.0)	5000
TTSL247VC3-10	GMV3 SL	White	0.80 (20.3)	0.94 (23.9)	0.38 (9.6)	0.80 (20.3)	1.25 (31.8)	5	4.25 (108.0)	10,000
TTSL9VC3-10	GMV3 SL	White	1.00 (25.4)	0.75 (19.1)	0.35 (8.9)	1.00 (25.4)	0.88 (22.2)	4	4.25 (108.0)	10,000
TTSL250VC3-2.5	GMV3 SL	White	1.00 (25.4)	0.94 (23.9)	0.38 (9.6)	1.00 (25.4)	1.25 (31.8)	4	4.25 (108.0)	2500
TTSL2VC3-10	GMV3 SL	White	1.00 (25.4)	1.50 (38.1)	0.50 (12.7)	1.00 (25.4)	1.80 (45.7)	4	4.25 (108.0)	10,000
TTSL4VC3-5	GMV3 SL	White	1.00 (25.4)	2.44 (62.0)	1.00 (25.4)	1.00 (25.4)	2.83 (72.0)	4	4.25 (108.0)	5000
TTSL6V3-2.5	GMV3 SL	White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.25 (108.0)	4	4.25 (108.0)	2500
TTSL3VC3-1	GMV3 SL	White	2.00 (50.8)	1.50 (38.1)	0.50 (12.7)	2.00 (50.8)	1.80 (45.7)	2	4.25 (108.0)	1000
TTSL7VC3-1	GMV3 SL	White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.25 (108.0)	2	4.25 (108.0)	1000

Labels are roll mounted on 3.00" (76.2 mm) core.
*Order number of labels required in multiples of Std. Pkg. Qty.

Heat Shrink Wire and Cable Markers

- Produce durable, high quality permanent heat shrink markers
- Pre-cut tubing mounted on plastic carrier
- Service Temperature Range: -22°F to 220°F (-30°C to 105°C)
- Shrink Ratio 3:1 @ 212°F (100°C)
- Flammability: Meets U.L. Standard 224 for flammability
- Panduit Heat Shrink Tools and Accessories shown on page 123
- For best results use with Panduit Wax Thermal Transfer Ribbons shown on page 46

Part Number	Diameter In. (mm)	Marker Width In. (mm)	Markers Per Row	Nominal Cable Outside Diameter ■ In. (mm)	Material	Color	Mkrs Per Roll	Std. Pkg. Qty.*
LHS12W1	0.13 (3.2)	2.00 (50.8)	1	0.04 - 0.13 (1.1 - 3.2)	3:1 Flattened Polyolefin	White	500	1 Roll
LHS12W2	0.13 (3.2)	1.00 (25.4)	2				1000	1 Roll
LHS12W4	0.13 (3.2)	0.50 (12.7)	4				2000	1 Roll
LHS18W1	0.18 (4.8)	2.00 (50.8)	1	0.06 -0.18 (1.6 - 4.8)			500	1 Roll
LHS18W2	0.18 (4.8)	1.00 (25.4)	2				1000	1 Roll
LHS18W4	0.18 (4.8)	0.50 (12.7)	4				2000	1 Roll
LHS25W1	0.25 (6.4)	2.00 (50.8)	1	0.08 - 0.25 (2.1 - 6.4)			500	1 Roll
LHS25W2	0.25 (6.4)	1.00 (25.4)	2				1000	1 Roll
LHS25W4	0.25 (6.4)	0.50 (12.7)	4				2000	1 Roll
LHS50W1	0.50 (12.7)	2.00 (50.8)	1	0.17 - 0.50 (4.2 - 12.7)			500	1 Roll
LHS50W2	0.50 (12.7)	1.00 (25.4)	2				1000	1 Roll
LHS100W1	1.00 (25.4)	2.00 (50.8)	1	0.33 - 1.00 (8.4 - 25.4)			250	1 Roll
LHS100W2	1.00 (25.4)	1.00 (25.4)	2				500	1 Roll
LHS12Y1	0.13 (3.2)	2.00 (50.8)	1	0.04 - 0.13 (1.1 - 3.2)	3:1 Flattened Polyolefin	Yellow	500	1 Roll
LHS12Y2	0.13 (3.2)	1.00 (25.4)	2				1000	1 Roll
LHS12Y4	0.13 (3.2)	0.50 (12.7)	4				2000	1 Roll
LHS18Y1	0.18 (4.8)	2.00 (50.8)	1	0.06 -0.18 (1.6 - 4.8)			500	1 Roll
LHS18Y2	0.18 (4.8)	1.00 (25.4)	2				1000	1 Roll
LHS18Y4	0.18 (4.8)	0.50 (12.7)	4				2000	1 Roll
LHS25Y1	0.25 (6.4)	2.00 (50.8)	1	0.08 - 0.25 (2.1 - 6.4)			500	1 Roll
LHS25Y2	0.25 (6.4)	1.00 (25.4)	2				1000	1 Roll
LHS25Y4	0.25 (6.4)	0.50 (12.7)	4				2000	1 Roll
LHS50Y1	0.50 (12.7)	2.00 (50.8)	1	0.17 - 0.50 (4.2 - 12.7)			500	1 Roll
LHS50Y2	0.50 (12.7)	1.00 (25.4)	2				1000	1 Roll
LHS100Y1	1.00 (25.4)	2.00 (50.8)	1	0.33 - 1.00 (8.4 - 25.4)			250	1 Roll
LHS100Y2	1.00 (25.4)	1.00 (25.4)	2				500	1 Roll

■Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
*Order number of rolls required in multiples of Std. Pkg. Qty.

Thermal Transfer Ribbons

Designed specifically for outstanding images in harsh environments on a wide spectrum of materials.

Available in two types:
- Resin for harsh environments
- Wax for general purpose labeling

High Performance Resin Ribbons

Key Features
- Excellent durability
- High speed (up to 12 inches per second)
- Extended print head life because they use a low heat setting

Resistant To
- Gasoline, Alcohol, Abrasion, UV Light, Other Chemicals (contact factory for detailed technical data)

Perfect For
- Electrical / Electronic Marking
- Rating Plate Labeling
- Laboratory and Health Care Labeling
- Automotive Identification
- Asset Labeling
- Shelf Labeling
- Shipment Tracking

General Purpose Wax Ribbons

Key Features
- Economical
- High print speed (up to 12 inches per second)
- Recommended for printing on Panduit Self-Laminating Labels (see pg. 36) and Heat Shrink Labels (see pg. 45)

Perfect For
- General Purpose Labeling
- Product Labeling
- Graphics
- Inventory Labeling
- Shipment Tracking

Ribbon Style	Width In. (mm)	Length Ft. (m)	Type	Color	Part Number	Std. Pkg. Qty.*
E	2.50 (63.5)	280 (85.3)	Resin	Black	TTR2-BL	1
		262 (80.0)	Resin	White	TTR2-WH	
		280 (85.3)	Wax	Black	TTRW2-BL	
	4.33 (110.0)	280 (85.3)	Resin	Black	TTR-BL	
		262 (80.0)	Resin	White	TTR-WH	
		280 (85.3)	Wax	Black	TTRW-BL	
S	4.33 (110.0)	1181 (360.0)	Resin	Black	TTR4-BL-S	
			Wax	Black	TTR4W-BL-S	
	6.50 (165.1)		Resin	Black	TTR6-BL-S	
			Wax	Black	TTR6W-BL-S	
Z	4.33 (110.0)	984 (300.0)	Resin	Black	TTR4-BL-Z	
			Wax	Black	TTR4W-BL-Z	
	6.70 (170.2)		Resin	Black	TTR6-BL-Z	
	6.50 (165.1)		Wax	Black	TTR6W-BL-Z	

*Order number of ribbons required in multiples of Std. Pkg. Qty.

To determine which ribbon style is designed for your printer, see chart on the following page.

Thermal Transfer Ribbons

Use the chart below to determine which ribbon style is designed for your printer. See previous page for part numbers available in each style.

Printer	Ribbon Style (see pg. 46)
A	
Acumark 3000	S
Allegro	S
Antonson 407	Z
Astromed LC 5000	S
Atec Swedot 201, 205	S
Atech 196	Z
Auto Label XT-500	S
Avery Dennison 3000, 3500, 3520, 4200, 4500, 5000, 5300, 5350, TLP 40, TLP 46	S
B	
Brady 200 Series, 300 Series	Z
Brady 2024, 2034	S
C	
C. Itoh T-4	S
Codewriter 5106	Z
Codewriter Legacy, UTICoder 2104T	S
Cognitive Solutions Blazer	S
Computer Identics	Z
Computype Sigma	S
Comstar, All	S
D	
Data Ply 909, 989, 990	S
Datamax, All	S
DH Technology Blaster Advantage	S
Diagraph, All	S
DPC 5207	S
E	
Eltron 2242	E
F	
Facit T400	Z
Fargo, All	S
I	
Imtec 3100, 3130, 3500	Z
Intacs 3528	S
Intermec 3400, 3600, 4000, 4100	S
K	
Kimball MEQ 1634	S

Printer	Ribbon Style (see pg. 46)
L	
Label Jet 2600	S
Labelaire 2136, 2137-P, 2138	S
Labelaire 2137-Z	Z
Lowery 4090, 4130, 4140, 4142, 4220	Z
Lowery 4120, 4121	S
M	
Markem SK 4200	Z
Mars MEQ 1634	S
Matthews 1300	Z
Matthews 4100, 4101	S
N	
Novexx, All	S
P	
Panduit PTR2	E
Panduit PTR3	S
Printstar 90-130	Z
R	
RJS, All except near edge printers	Z
Ring, All	Z
S	
Sato, All	S
Soabar SPX 30, 320, 350, 360, 362, 370, 380, 386, 390, Travier	S
Swedot 196	Z
T	
Tharo, All	S
U	
Universal DP1300, DP2300	Z
Unimark V300, 301, 340, 400, 420, 500, 522	S
W	
Weber 75, 76	S
Weber Legtronic 78, 79, 80, 81,82, 85, 86, 93	Z
Willett 2600, 2610, 8400, 8450	S
Willett 2603	Z
Z	
Zebra, All	Z

Contact factory for information on printer models not listed.

Panduit offers high quality ink jet labels in a variety of materials, sizes and styles.

Panduit Ink Jet Labels are used for a wide variety of identification purposes including bar code labeling, asset identification and shipment tracking. The wide range of label sizes available provides a label for every application. The need for large inventories of custom preprinted labels and long lead times is eliminated, providing an economical solution to all of your labeling needs. Labels are supplied on 8.50" x 11.00" (215.9 x 279.4 mm) sheets.

Smear resistant ink jet cartridges and refills are also available to provide optimal smear resistance. The ink is formulated for superior performance with Panduit Ink Jet Label Coatings.

Self-Laminating Ink Jet Labels

- These labels are used most commonly for marking wires, cables, test tubes and other cylindrical objects in applications where a protective overlaminate is needed.

Specialized Blank Ink Jet Labels

- Panduit offers labels in a variety of high performance materials for a wide range of applications from labeling circuit boards to asset management to wire identification. These labels are designed for specific purposes and are available in four materials to meet your application requirements.

Suggested Applications for Ink Jet Labels

Electronic Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMC5-W Vinyl Cloth	White	Indoor	53

Bar Code and General Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP5-W Destructible Paper	White	Indoor	51
GMY5-W Polyester	White	Indoor	52

Shipment Tracking Labels

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP5-W Destructible Paper	White	Indoor	51
GMY5-W Polyester	White	Indoor	52

Network Systems Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMPO5-W Polyolefin	White	Indoor	53

See Material Selection Guide on page 51 for complete material specifications.

Ink Jet Material Selection Guide

Choose the material that best suits your application:

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec.	CSA
GMP5-W	Destructible Paper	-65°F to 200°F (-54°C to 93°C)	Tamper resistant litho paper for permanent applications	White	No	No	No	No
GMPO5-W	Polyolefin	-50°F to 120°F (-46°C to 49°C)	Durable, pliable material with permanent adhesive	White	No	No	No	No
GMC5-W	Vinyl Cloth	-50°F to 170°F (-46°C to 77°C)	Repositionable adhesive; pliable material good for rough, textured surfaces	White	No	No	No	No
GMY5-W	White Polyester	-40°F to 311°F (-40°C to 154°C)	Durable; high temperature; does not stretch or tear	White	No	No	No	No

Self-Laminating Ink Jet Labels

- Clear overlaminate protects legend for permanent, clean identification
- Ideal for wire and cable marking

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ▪ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
JSL1-Y3-5	Self-Laminating Polyester	White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.34 (12.7 x 8.6)	0.11 - 0.13 (2.8 - 3.3)	54	5000
JSL2-Y3-5			0.50 x 1.50 (12.7 x 38.1)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.32 (4.0 - 8.1)	54	5000
JSL9-Y3-2.5			0.70 x 1.33 (17.8 x 33.8)	0.70 x 0.33 (17.8 x 8.4)	0.10 - 0.32 (2.7 - 8.1)	54	2500
JSL10-Y3-1			0.90 x 2.17 (22.9 x 55.1)	0.90 x 0.50 (22.9 x 12.7)	0.16 - 0.53 (4.0 - 13.5)	54	1000
JSL3-Y3-2.5			1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.34 (25.4 x 8.6)	0.11 - 0.13 (2.8 - 3.3)	54	2500
JSL4-Y3-2.5			1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.6)	0.11 - 0.21 (2.8 - 5.3)	54	2500
JSL5-Y3-2.5			1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.47 (25.4 x 11.9)	0.15 - 0.27 (3.8 - 6.9)	54	2500
JSL11-Y3-1			1.00 x 2.67 (25.4 x 67.8)	1.00 x 0.67 (25.4 x 16.9)	0.21 - 0.64 (5.4 - 16.2)	54	1000
JSL6-Y3-1			1.00 x 3.17 (25.4 x 80.5)	1.00 x 0.97 (25.4 x 24.6)	0.31 - 0.70 (7.8 - 17.8)	54	1000
JSL12-Y3-1			1.20 x 2.67 (30.5 x 67.8)	1.20 x 0.83 (30.5 x 21.1)	0.26 - 0.58 (6.7 - 14.9)	54	1000
JSL7-Y3-1			2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.32 (4.0 - 8.1)	54	1000
JSL8-Y3-1			2.00 x 3.17 (50.8 x 80.5)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.69 (8.1 - 17.5)	54	1000

▪ Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

Blank Ink Jet Labels by Material

GMP5-W Destructible Paper—Indoor Applications

Key Features

- Tamper resistant litho paper for permanent applications
- Most economical labeling solution

Suggested Uses

- Bar Code and General Labeling
- Shipment Tracking
- Short term applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
JL7P-10	GMP5-W Destructible Paper	White	0.25 x 1.00 (6.4 x 25.4)	55	10,000
JL8P-10			0.38 x 1.00 (9.5 x 25.4)	55	10,000
JL172P-10			0.50 x 0.80 (12.7 x 20.3)	55	10,000
JL9P-10			0.50 x 1.00 (12.7 x 25.4)	55	10,000
JL12P-5			0.50 x 1.50 (12.7 x 38.1)	55	5000
JL10P-5			0.75 x 1.00 (19.1 x 25.4)	55	5000
JL35P-2.5			0.75 x 1.50 (19.1 x 38.1)	55	2500
JL17P-2.5			0.83 x 1.88 (21.2 x 47.6)	56	2500
JL902P-2.5			1.00 x 1.75 (25.4 x 44.5)	56	2500
JL903P-0.5			2.75 x 2.75 (69.9 x 69.9)	56	500
JL25P-SH			8.50 x 11.00 (215.9 x 279.4)	56	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Ink Jet Labels by Material (cont.)

GMPO5-W Polyolefin—Indoor Applications

Key Features

- Provides excellent print quality
- Perfect for flat or curved surfaces
- Adhesive becomes permanent on most surfaces after 24 hours

Suggested Uses

- Asset Labeling
- Tool Check-In and Check-Out

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
JL7PO-10	GMPO5-W Polyolefin	White	0.25 x 1.00 (6.4 x 25.4)	55	10,000
JL14PO-10			0.25 x 1.50 (6.4 x 38.1)	55	10,000
JLEFPD-1			0.30 x 2.90 (7.6 x 73.7)	55	1000
JL8PO-10			0.38 x 1.00 (9.5 x 25.4)	55	10,000
JL16PO-2.5			0.38 x 1.88 (9.5 x 47.6)	55	2500
JL19PO-1			0.38 x 3.00 (9.5 x 76.2)	55	1000
JL9PO-10			0.50 x 1.00 (12.7 x 25.4)	55	10,000
JL24PO-5			0.56 x 0.19 (14.3 x 4.8)	55	5000
JL23PO-1			0.56 x 0.56 (14.3 x 14.3)	55	1000
JLCPL-1			0.61 x 0.33 (15.5 x 8.4)	55	1000
JL901PO-5			0.75 x 1.25 (19.1 x 31.8)	55	5000
JL35PO-2.5			0.75 x 1.50 (19.1 x 38.1)	55	2500
JL42PO-1			0.80 x 1.50 (20.3 x 38.1)	56	1000
JL17PO-1			0.83 x 1.88 (21.2 x 47.6)	56	1000
JL17PO-2.5			0.83 x 1.88 (21.2 x 47.6)	56	2500
JL412PO-1			1.38 x 0.19 (34.9 x 4.8)	56	1000
JL33PO-2.5			1.44 x 0.50 (36.5 x 12.7)	56	2500
JLEFPS-1			1.80 x 0.38 (45.7 x 9.5)	56	1000
JL18PO-1			1.88 x 1.33 (47.8 x 33.8)	56	1000
JL41PO-0.5			2.00 x 0.90 (50.8 x 22.9)	56	500
JL22PO-1			7.88 x 0.50 (200.0 x 12.7)	56	1000

GMY5-W Polyester—Indoor Applications

Key Features

- Tough polyester provides excellent durability and UV resistance
- Adhesive becomes permanent on most surfaces after 24 hours
- Does not stretch or easily tear

Suggested Uses

- High Performance labeling
- Bar Code and General labeling
- Inventory Tracking

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
JL32Y-10	GMY5-W Polyester	White	0.20 x 0.65 (5.1 x 16.5)	55	10,000
JL4Y-10			0.25 x 0.65 (6.4 x 16.5)	55	10,000
JL274Y-10			0.25 x 0.75 (6.4 x 19.1)	55	10,000
JL5Y-10			0.25 x 0.80 (6.4 x 20.3)	55	10,000
JL287Y-10			0.25 x 0.90 (6.4 x 22.9)	55	10,000
JL7Y-10			0.25 x 1.00 (6.4 x 25.4)	55	10,000
JL14Y-10			0.25 x 1.50 (6.4 x 38.1)	55	10,000
JL15Y-10			0.25 x 1.88 (6.4 x 47.6)	55	10,000
JL2Y-10			0.38 x 0.38 (9.5 x 9.5)	55	10,000
JL8Y-10			0.38 x 1.00 (9.5 x 25.4)	55	10,000
JL16Y-5			0.38 x 1.88 (9.5 x 47.6)	55	5000
JL111Y-5			0.38 x 2.00 (9.5 x 50.8)	55	5000
JL19Y-2.5			0.38 x 3.00 (9.5 x 76.2)	55	2500
JL172Y-10			0.50 x 0.80 (12.7 x 20.3)	55	10,000
JL9Y-10			0.50 x 1.00 (12.7 x 25.4)	55	10,000
JL12Y-5			0.50 x 1.50 (12.7 x 38.1)	55	5000
JL3Y-10			0.75 x 0.50 (19.1 x 12.7)	55	10,000
JL10Y-5			0.75 x 1.00 (19.1 x 25.4)	55	5000
JL901Y-5			0.75 x 1.25 (19.1 x 31.8)	55	5000
JL35Y-2.5			0.75 x 1.50 (19.1 x 38.1)	55	2500
JL17Y-2.5			0.83 x 1.88 (21.2 x 47.6)	56	2500
JL902Y-2.5			1.00 x 1.75 (25.4 x 44.5)	56	2500
JL33Y-5			1.44 x 0.50 (36.5 x 12.7)	56	5000
JL25Y-SH			8.50 x 11.00 (215.9 x 279.4)	56	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Ink Jet Labels by Material (cont.)

GMC5-W Vinyl Cloth, Repositionable Adhesive—Indoor Applications

Key Features

- Repositionable adhesive ideal for identification of chips, boards and other electronic labeling
- Label removes with no sticky residue
- Pliable

Suggested Uses

- Electronic Labeling
- Good for rough, textured surfaces

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
JL32C-10	GMC5-W Vinyl Cloth	White	0.20 x 0.65 (5.1 x 16.5)	55	10,000
JL14C-10			0.25 x 1.50 (6.4 x 38.1)	55	10,000
JL8C-10			0.38 x 1.00 (9.5 x 25.4)	55	10,000
JL111C-5			0.38 x 2.00 (9.5 x 50.8)	55	5000
JL9C-10			0.50 x 1.00 (12.7 x 25.4)	55	10,000
JL3C-10			0.75 x 0.50 (19.1 x 12.7)	55	10,000
JL10C-5			0.75 x 1.00 (19.1 x 25.4)	55	5000
JL901C-5			0.75 x 1.25 (19.1 x 31.8)	55	5000
JL35C-2.5			0.75 x 1.50 (19.1 x 38.1)	55	2500
JL33C-5			1.44 x 0.50 (36.5 x 12.7)	56	5000
JL900C-2.5			1.44 x 0.80 (36.5 x 20.3)	56	2500

TIA/EIA-606 Compliant Network Systems Labeling

Adhesive 110 Punchdown Block Labels

- Eliminate the need for standard paper designation strips
- Labels are placed on top of label holders

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Labels Per Sheet	Std. Pkg. Qty.*
JL22PO-1	GMPO5-W Polyolefin	White	7.88 (200.0)	0.50 (12.7)	15	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Adhesive Label for Patch Panels and Modular Furniture Faceplates

- Label is perforated on black lines to be used in 2 position, 4 position, or 6 position applications

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Labels Per Sheet	Std. Pkg. Qty.*
JLCPL-1	GMPO5-W Polyolefin	White	0.61 (15.5)	0.33 (8.4)	276	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Faceplate Adhesive Labels

- For use with ***MINI-COM***® Executive and Designer Series Faceplates
- Designed to fit on vinyl insert provided with faceplate
- Single and Double Gang versions available
- Can also be used to identify ***MINI-COM*** Surface Mount Boxes

Part Number	Faceplate Type	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Labels Per Sheet	Std. Pkg. Qty.*
JLEFPS-1	Single Gang	GMPO5-W Polyolefin	White	1.80 (45.7)	0.38 (9.5)	84	1000
JLEFPD-1	Double Gang		White	0.30 (7.6)	2.90 (73.7)	63	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

*Order number of labels required in multiples of Std. Pkg. Qty.

Smear Resistant Ink Jet Cartridges and Refills

- Recommended for use with Panduit Ink Jet Labels to provide optimal smear resistance
- Ink is formulated for superior performance with our ink jet label coatings
- Cartridges and refill kits are available for Hewlett Packard^ HP500 and HP600 printers
- Standard ink jet inks may be used, but may not provide best smear resistance characteristics

^Hewlett Packard is a registered trademark of Hewlett Packard Company

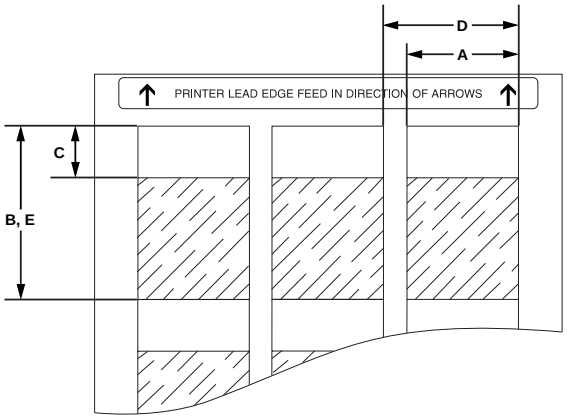
Part Number	Description	Std. Pkg. Qty.*
JT500	Cartridge for H500	1
JT600	Cartridge for HP600	1
JTK	Refill Kit	1
JT1	Ink for Refills	1

*Order number required in multiples of Std. Pkg. Qty.

Self-Laminating Ink Jet Labels by Size

- For best results use with Panduit Smear Resistant Ink Jet Cartridges and Refills.

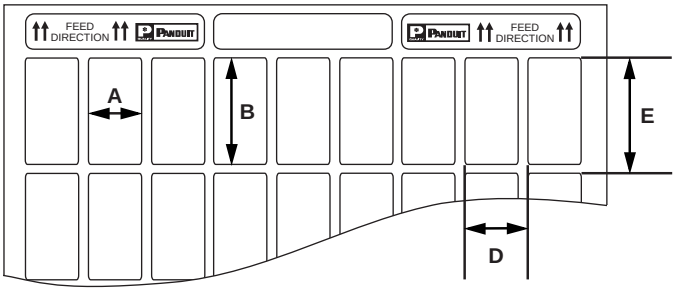
Note: *Panduit Ink Jet Labels are designed for light to medium ink coverage. Graphics or heavy ink coverage may result in smearing, ink bleed or excessive dry time.*



Part Number	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Area Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg.	Std. Pkg. Qty.*
JSL1-Y3-5	Self-Laminating Polyester	White	0.50 (12.7)	0.75 (19.1)	0.34 (8.6)	0.60 (15.2)	0.75 (19.1)	13	12	156	33	5000
JSL2-Y3-5			0.50 (12.7)	1.50 (38.1)	0.50 (12.7)	0.60 (15.2)	1.50 (38.1)	13	6	78	65	5000
JSL9-Y3-2.5			0.70 (17.8)	1.33 (33.8)	0.33 (8.4)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
JSL10-Y3-1			0.90 (22.9)	2.17 (55.1)	0.50 (12.7)	0.90 (22.9)	2.17 (55.1)	8	5	40	25	1000
JSL3-Y3-2.5			1.00 (25.4)	0.75 (19.1)	0.34 (8.6)	1.10 (27.9)	0.75 (19.1)	7	12	84	30	2500
JSL4-Y3-2.5			1.00 (25.4)	1.00 (25.4)	0.34 (8.6)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
JSL5-Y3-2.5			1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
JSL11-Y3-1			1.00 (25.4)	2.67 (67.8)	0.67 (16.9)	1.00 (25.4)	2.67 (67.8)	7	4	28	36	1000
JSL6-Y3-1			1.00 (25.4)	3.17 (80.5)	0.97 (24.6)	1.10 (27.9)	3.17 (80.5)	7	3	21	48	1000
JSL12-Y3-1			1.20 (30.5)	2.67 (67.8)	0.83 (21.1)	1.20 (30.5)	2.67 (67.8)	6	4	24	42	1000
JSL7-Y3-1			2.00 (50.8)	1.50 (38.1)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	6	24	42	1000
JSL8-Y3-1			2.00 (50.8)	3.17 (80.5)	1.00 (25.4)	2.50 (63.5)	3.17 (80.5)	3	3	9	112	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

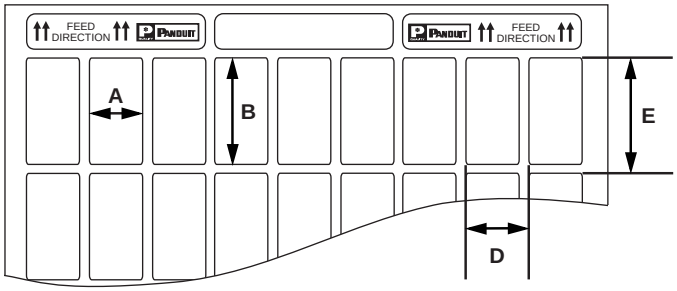
Blank Ink Jet Labels by Size



Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg.	Std. Pkg. Qty.*
JL32C-10	Vinyl Cloth	White	0.20 (5.1)	0.65 (16.5)	0.31 (7.8)	0.74 (18.8)	26	13	338	30	10,000
JL32Y-10	Polyester	White	0.20 (5.1)	0.65 (16.5)	0.31 (7.8)	0.74 (18.8)	26	13	338	30	10,000
JL4Y-10	Polyester	White	0.25 (6.4)	0.65 (16.5)	0.32 (8.1)	0.74 (18.8)	25	13	325	31	10,000
JL274Y-10	Polyester	White	0.25 (6.4)	0.75 (19.1)	0.32 (8.1)	0.85 (21.6)	25	11	275	37	10,000
JL5Y-10	Polyester	White	0.25 (6.4)	0.80 (20.3)	0.31 (7.9)	0.87 (22.1)	25	11	275	37	10,000
JL287Y-10	Polyester	White	0.25 (6.4)	0.90 (22.9)	0.32 (8.1)	0.97 (24.6)	25	10	250	40	10,000
JL7P-10	Destructible Paper	White	0.25 (6.4)	1.00 (25.4)	0.32 (8.1)	1.07 (27.2)	25	9	225	45	10,000
JL7PO-10	Polyolefin	White	0.25 (6.4)	1.00 (25.4)	0.32 (8.1)	1.07 (27.2)	25	9	225	45	10,000
JL7Y-10	Polyester	White	0.25 (6.4)	1.00 (25.4)	0.32 (8.1)	1.07 (27.2)	25	9	225	45	10,000
JL14C-10	Vinyl Cloth	White	0.25 (6.4)	1.50 (38.1)	0.32 (8.1)	1.63 (41.3)	25	6	150	67	10,000
JL14PO-10	Polyolefin	White	0.25 (6.4)	1.50 (38.1)	0.32 (8.1)	1.63 (41.3)	25	6	150	67	10,000
JL14Y-10	Polyester	White	0.25 (6.4)	1.50 (38.1)	0.32 (8.1)	1.63 (41.3)	25	6	150	67	10,000
JL15Y-10	Polyester	White	0.25 (6.4)	1.88 (47.6)	0.32 (8.1)	1.95 (49.4)	25	5	125	80	10,000
JLEFPD-1	Polyolefin	White	0.30 (7.6)	2.90 (73.7)	0.38 (9.5)	3.30 (83.8)	21	3	63	16	1000
JL2Y-10	Polyester	White	0.38 (9.5)	0.38 (9.5)	0.47 (11.9)	0.45 (11.6)	17	21	357	29	10,000
JL8C-10	Vinyl Cloth	White	0.38 (9.5)	1.00 (25.4)	0.47 (11.9)	1.07 (27.2)	17	9	153	66	10,000
JL8P-10	Destructible Paper	White	0.38 (9.5)	1.00 (25.4)	0.47 (11.9)	1.07 (27.2)	17	9	153	66	10,000
JL8PO-10	Polyolefin	White	0.38 (9.5)	1.00 (25.4)	0.47 (11.9)	1.07 (27.2)	17	9	153	66	10,000
JL8Y-10	Polyester	White	0.38 (9.5)	1.00 (25.4)	0.47 (11.9)	1.07 (27.2)	17	9	153	66	10,000
JL16PO-2.5	Polyolefin	White	0.38 (9.5)	1.88 (47.6)	0.47 (11.9)	1.95 (49.4)	17	5	85	30	2500
JL16Y-5	Polyester	White	0.38 (9.5)	1.88 (47.6)	0.47 (11.9)	1.95 (49.4)	17	5	85	59	5000
JL111C-5	Vinyl Cloth	White	0.38 (9.5)	2.00 (50.8)	0.47 (11.9)	2.25 (57.2)	17	4	68	74	5000
JL111Y-5	Polyester	White	0.38 (9.5)	2.00 (50.8)	0.47 (11.9)	2.25 (57.2)	17	4	68	74	5000
JL19PO-1	Polyolefin	White	0.38 (9.5)	3.00 (76.2)	0.47 (11.9)	3.20 (81.3)	17	3	51	20	1000
JL19Y-2.5	Polyester	White	0.38 (9.5)	3.00 (76.2)	0.47 (11.9)	3.20 (81.3)	17	3	51	50	2500
JL172P-10	Destructible Paper	White	0.50 (12.7)	0.80 (20.3)	0.57 (14.5)	0.87 (22.1)	14	11	154	65	10,000
JL172Y-10	Polyester	White	0.50 (12.7)	0.80 (20.3)	0.57 (14.5)	0.87 (22.1)	14	11	154	65	10,000
JL9C-10	Vinyl Cloth	White	0.50 (12.7)	1.00 (25.4)	0.57 (14.5)	1.07 (27.2)	14	9	126	80	10,000
JL9P-10	Destructible Paper	White	0.50 (12.7)	1.00 (25.4)	0.57 (14.5)	1.07 (27.2)	14	9	126	80	10,000
JL9PO-10	Polyolefin	White	0.50 (12.7)	1.00 (25.4)	0.57 (14.5)	1.07 (27.2)	14	9	126	80	10,000
JL9Y-10	Polyester	White	0.50 (12.7)	1.00 (25.4)	0.57 (14.5)	1.07 (27.2)	14	9	126	80	10,000
JL12P-5	Destructible Paper	White	0.50 (12.7)	1.50 (38.1)	0.57 (14.5)	1.63 (41.3)	14	6	84	60	5000
JL12Y-5	Polyester	White	0.50 (12.7)	1.50 (38.1)	0.57 (14.5)	1.63 (41.3)	14	6	84	60	5000
JL24PO-5	Polyolefin	White	0.56 (14.3)	0.19 (4.8)	0.66 (16.8)	0.25 (6.4)	12	38	456	11	5000
JL23PO-1	Polyolefin	White	0.56 (14.3)	0.56 (14.3)	0.66 (16.8)	0.64 (16.2)	12	15	180	6	1000
JLCPL-1	Polyolefin	White	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.41 (10.4)	12	23	276	4	1000
JL3C-10	Vinyl Cloth	White	0.75 (19.1)	0.50 (12.7)	0.89 (22.7)	0.58 (14.6)	9	17	153	66	10,000
JL3Y-10	Polyester	White	0.75 (19.1)	0.50 (12.7)	0.89 (22.7)	0.58 (14.6)	9	17	153	66	10,000
JL10C-5	Vinyl Cloth	White	0.75 (19.1)	1.00 (25.4)	0.89 (22.7)	1.07 (27.2)	9	9	81	62	5000
JL10P-5	Destructible Paper	White	0.75 (19.1)	1.00 (25.4)	0.89 (22.7)	1.07 (27.2)	9	9	81	62	5000
JL10Y-5	Polyester	White	0.75 (19.1)	1.00 (25.4)	0.89 (22.7)	1.07 (27.2)	9	9	81	62	5000
JL901C-5	Vinyl Cloth	White	0.75 (19.1)	1.25 (31.8)	0.89 (22.7)	1.38 (35.1)	9	7	63	80	5000
JL901PO-5	Polyolefin	White	0.75 (19.1)	1.25 (31.8)	0.89 (22.7)	1.38 (35.1)	9	7	63	80	5000
JL901Y-5	Polyester	White	0.75 (19.1)	1.25 (31.8)	0.89 (22.7)	1.38 (35.1)	9	7	63	80	5000

Labels are supplied on 8.50" x 11.00" (215.9 x 279.4 mm) sheets.
*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Ink Jet Labels by Size (cont.)



Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg.	Std. Pkg. Qty.*
JL35C-2.5	Vinyl Cloth	White	0.75 (19.1)	1.50 (38.1)	0.89 (22.7)	1.63 (41.3)	9	6	54	47	2500
JL35P-2.5	Destructible Paper	White	0.75 (19.1)	1.50 (38.1)	0.89 (22.7)	1.63 (41.3)	9	6	54	47	2500
JL35PO-2.5	Polyolefin	White	0.75 (19.1)	1.50 (38.1)	0.89 (22.7)	1.63 (41.3)	9	6	54	47	2500
JL35Y-2.5	Polyester	White	0.75 (19.1)	1.50 (38.1)	0.89 (22.7)	1.63 (41.3)	9	6	54	47	2500
JL42PO-1	Polyolefin	White	0.80 (20.3)	1.50 (38.1)	0.89 (22.5)	1.58 (40.0)	9	6	54	19	1000
JL17P-2.5	Destructible Paper	White	0.83 (21.2)	1.88 (47.6)	1.01 (25.7)	1.95 (49.4)	8	5	40	63	2500
JL17PO-1	Polyolefin	White	0.83 (21.2)	1.88 (47.6)	1.01 (25.7)	1.95 (49.4)	8	5	40	25	1000
JL17PO-2.5	Polyolefin	White	0.83 (21.2)	1.88 (47.6)	1.01 (25.7)	1.95 (49.4)	8	5	40	63	2500
JL17Y-2.5	Polyester	White	0.83 (21.2)	1.88 (47.6)	1.01 (25.7)	1.95 (49.4)	8	5	40	63	2500
JL902P-2.5	Destructible Paper	White	1.00 (25.4)	1.75 (44.5)	1.15 (29.2)	1.88 (47.6)	7	5	35	72	2500
JL902Y-2.5	Polyester	White	1.00 (25.4)	1.75 (44.5)	1.15 (29.2)	1.88 (47.6)	7	5	35	72	2500
JL412PO-1	Polyolefin	White	1.38 (34.9)	0.19 (4.8)	1.63 (41.4)	0.25 (6.4)	5	38	190	6	1000
JL33C-5	Vinyl Cloth	White	1.44 (36.5)	0.50 (12.7)	1.62 (41.0)	0.58 (14.6)	5	17	85	59	5000
JL33PO-2.5	Polyolefin	White	1.44 (36.5)	0.50 (12.7)	1.62 (41.0)	0.58 (14.6)	5	17	85	30	2500
JL33Y-5	Polyester	White	1.44 (36.5)	0.50 (12.7)	1.62 (41.0)	0.58 (14.6)	5	17	85	59	5000
JL900C-2.5	Vinyl Cloth	White	1.44 (36.5)	0.80 (20.3)	1.62 (41.0)	0.87 (22.1)	5	11	55	46	2500
JLEFPS-1	Polyolefin	White	1.80 (45.7)	0.38 (9.5)	2.01 (51.1)	0.45 (11.6)	4	21	84	12	1000
JL18PO-1	Polyolefin	White	1.88 (47.8)	1.33 (33.8)	2.01 (51.1)	1.58 (40.13)	4	6	24	42	1000
JL41PO-0.5	Polyolefin	White	2.00 (50.8)	0.90 (22.9)	2.95 (74.9)	1.05 (26.7)	3	9	27	19	500
JL903P-0.5	Destructible Paper	White	2.75 (69.9)	2.75 (69.9)	2.75 (69.9)	3.15 (80.0)	3	3	9	56	500
JL22PO-1	Polyolefin	White	7.88 (200.0)	0.50 (12.7)	—	0.63 (15.9)	1	15	15	67	1000
JL25P-SH	Paper	White	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25
JL25Y-SH	Polyester	White	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25

Labels are supplied on 8.50" x 11.00" (215.9 x 279.4 mm) sheets.
*Order number of labels required in multiples of Std. Pkg. Qty.

Laser Printable Labels - Introduction

General Information:

Panduit Laser Labels are designed to function in most desk-top laser printers.

Polyester materials are provided on a clear liner to assure clear movement throughout your printer's paper path. Most Panduit Labels are intended for flat application labeling, with the exception of Self-Laminating Polyester Labels (GMY3) and Permanent Polyolefin Labels (GMPO).

All labels can also be used in a wide variety of copiers. If you need to make many of the same label, a copier might be the quickest solution. Note: Some copiers do reduce the legend slightly so we suggest you print your legend on paper and then test transferring it to your laser label sheet with your copier.

Sheet Formats:

Panduit Laser Labels are provided in two sheet formats:

- PLL labels are provided on U.S. Letter Sheets which are 8.5" x 11.0" (215.9 mm x 279.4 mm).
- PEL labels are provided on DIN A4 Sheets which are 8.27" x 11.69" (210 mm x 297 mm).

Test Labels on Your Printer:

The rapid advances in laser printing technology make it increasingly difficult to test all laser materials on the ever increasing number of individual printer models.

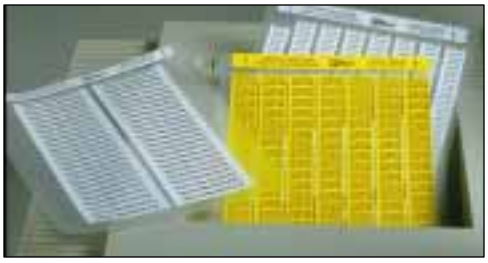
The suitability of a specific material in a particular printer and for a particular application depends greatly on the printer model and operating conditions. We recommend that each user test the suggested material on their printer and in each unique application.

To order sample sheets of a specific label call your local Panduit distributor or sales office.

Choose from three types of Panduit Laser Printable Labels for excellent print quality using your own printer:

Self-Laminating Laser Printable Labels

- Panduit Blank Self-Laminating Laser Labels provide excellent print quality and clear, crisp legends. These labels are available in a thin polyester film for indoor/outdoor applications. Print on the white print-on area, then protect the legend using the clear over-laminate.



Blank Laser Printable Labels

- Panduit Blank Laser Labels are available in specific sizes for different flat labeling applications.

Litho Paper Laser Printable Labels

- These labels are made from standard litho paper and are available in common sizes. These labels can be used for a wide variety of general labeling applications.

Suggested Applications for Laser Labels

Wire and Cable Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMPO Polyolefin	White	Indoor	61
GMY3 Polyester	White / Clear	Indoor / Outdoor	60-61

Flat Ribbon Cable Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMPO Polyolefin	White	Indoor	61
GMY3 Polyester	White / Clear	Indoor / Outdoor	60-61

Electronic Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMPO Polyolefin	White	Indoor	61
GMPOR Removable Polyolefin	White	Indoor	61
GMY3-C Polyester	Clear	Indoor / Outdoor	62
GMY2-W Polyester	White	Indoor / Outdoor	63-64
GMY2-Y Polyester	Yellow	Indoor / Outdoor	64-65
GMY2-S Polyester	Silver	Indoor / Outdoor	65
GMY2-STE Tamper Evident Polyester	Silver	Indoor / Outdoor	66

Name and Rating Plates

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMPO Polyolefin	White	Indoor	61
GMY3-C Polyester	Clear	Indoor / Outdoor	62
GMY2-W Polyester	White	Indoor / Outdoor	63-64
GMY2-Y Polyester	Yellow	Indoor / Outdoor	64-65
GMY2-S Polyester	Silver	Indoor / Outdoor	65
GMY2-STE Tamper Evident Polyester	Silver	Indoor / Outdoor	66

See Material Selection Guide on page 60 for complete material specifications.

Suggested Applications for Laser Labels (cont.)

Network Systems Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMPO Polyolefin	White	Indoor	67-69
GMY3-C Polyester	Clear	Indoor / Outdoor	67-69
GMY2-W Polyester	White	Indoor / Outdoor	67-69

Asset Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMY3-C Polyester	Clear	Indoor / Outdoor	62
GMY2-W Polyester	White	Indoor / Outdoor	63-64
GMY2-Y Polyester	Yellow	Indoor / Outdoor	64-65

Bar Code Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMPO Polyolefin	White	Indoor	61
GMY2-W Polyester	White	Indoor / Outdoor	63-64

General Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
Litho Paper	White	Indoor	62

See Material Selection Guide on page 60 for complete material specifications.

Laser Label Material Selection Guide

Choose the material that best suits your application:

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec.	CSA
—	Litho Paper	-65°F to 200°F (-54°C to 93°C)	Standard litho paper for general indoor labeling	White	No	No	No	No
GMPO	Polyolefin	-50°F to 120°F (-46°C to 49°C)	For general identification and wire marking; excellent print quality	White	No	No	No	No
GMPOR	Removable Polyolefin	-40°F to 200°F (-40°C to 93°C)	Removable adhesive for temporary indoor applications; excellent print quality	White	No	No	No	No
GMY3	Polyester	0°F to 275°F (-18°C to 135°C)	Used for high quality indoor/outdoor self-laminating labels	Clear	Yes	Yes	No	No
GMY3-C	Polyester	0°F to 275°F (-18°C to 135°C)	Provides durability, high temperature resistance, and dimensional stability; Use on colored or clear surface	Clear	Yes	Yes	No	No
GMY3M	Polyester	0°F to 275°F (-18°C to 135°C)	Provides durability, high temperature resistance, and dimensional stability; Use on colored or clear surface	Matte Clear	Yes	Yes	No	No
GMY2-W	Polyester	0°F to 275°F (-18°C to 135°C)	Provides durability, high temperature resistance, and dimensional stability	White	Yes	Yes	Yes	Yes
GMY2-Y	Polyester	0°F to 275°F (-18°C to 135°C)	Provides durability, high temperature resistance, and dimensional stability	Yellow	Yes	Yes	Yes	Yes
GMY2-S	Polyester	0°F to 275°F (-18°C to 135°C)	Metallized polyester provides opacity, durability, high temperature resistance, and dimensional stability	Silver	Yes	Yes	No	No
GMY2-STE	Tamper Evident Polyester	-40°F to 302°F (-40°C to 150°C)	Destructible material; label cannot be completely removed; for tamper evident applications	Silver	Yes	No	No	No

Self-Laminating Labels

- Print on the white print-on area and over-laminate with clear portion for permanent, clean identification
- Preferred material chosen for most OEM applications
- Thin film with permanent adhesive

Clear Polyester – Indoor/Outdoor Applications

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ▪ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-3-Y3-5	GMY3-C Self-Laminating Polyester	White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.34 (12.7 x 8.64)	0.11 - 0.13 (2.7 - 3.3)	70	5000
PLL-33-Y3-5		White	0.50 x 1.50 (12.7 x 38.1)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.32 (4.0 - 8.1)	70	5000
PLL-10-Y3-2.5		White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.34 (25.4 x 8.64)	0.11 - 0.13 (2.7 - 3.3)	70	2500
PLL-10-Y3-5		White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.34 (25.4 x 8.64)		70	5000
PLL-11-Y3-2.5†		White	1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.64)	0.11 - 0.21 (2.7 x 5.3)	70	2500
PLL-12-Y3-1		White	1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.26 (4.0 - 6.7)	70	1000
PLL-12-Y3-2.5†		White	1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)		70	2500
PLL-39-Y3-1		White	1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)		70	1000
PLL-13-Y3-D		White	1.00 x 3.17 (25.4 x 80.5)	1.00 x 0.97 (25.4 x 24.6)	0.31 - 0.70 (7.8 - 17.8)	70	500
PLL-13-Y3-1		White	1.00 x 3.17 (25.4 x 80.5)	1.00 x 0.97 (25.4 x 24.6)		70	1000
PLL-38-Y3-1		White	1.00 x 5.45 (25.4 x 138.4)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 1.42 (8.1 - 36.1)	70	1000
PLL-37-Y3-1		White	1.88 x 3.17 (47.6 x 80.5)	1.88 x 0.97 (47.6 x 24.6)	0.31 - 0.70 (7.8 - 17.8)	70	1000
PLL-40-Y3-1		White	2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.32 (4.0 - 8.1)	70	1000
PLL-21-Y3-1		White	2.00 x 3.17 (50.8 x 80.5)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.69 (8.1 - 17.5)	70	1000

▪ Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
†Labels available with TIA Specified Colored Print-On Area; to order, add the following letters after-Y3 in the part number: B for Blue, BR for Brown, G for Green, IG for Gray, OR for Orange, PR for Purple, RD for Red and Y for Yellow. i.e. PLL-11-Y3B-2.5 has a Blue Print-On Area.

*Order number of labels required in multiples of Std. Pkg. Qty.

Self-Laminating Labels by Material (cont.)

Clear Polyester – Indoor/Outdoor Applications (cont.)

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter▪ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-17-Y3-2.5†	GMY3-C Self-Laminating Polyester	White	0.70 x 1.33 (17.8 x 33.9)	0.70 x 0.33 (17.8 x 8.5)	0.11 - 0.32 (2.8 - 8.1)	71	2500
PEL-18-Y3-1†		White	0.90 x 2.17 (22.9 x 55.0)	0.90 x 0.50 (22.9 x 12.7)	0.16 - 0.53 (4.1 - 13.5)	71	1000
PEL-19-Y3-1†		White	1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	0.21 - 0.64 (5.3 - 16.2)	71	1000
PEL-20-Y3-1		White	1.20 x 2.67 (30.5 x 67.7)	1.20 x 0.83 (30.5 x 21.1)	0.26 - 0.58 (6.6 - 14.7)	71	1000
PEL-21-Y3-0.5†		White	1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	0.32 - 0.85 (8.1 - 21.6)	71	500
PEL-22-Y3-0.5		White	1.40 x 5.50 (35.6 x 140.0)	1.40 x 1.00 (35.6 x 25.4)	0.32 - 1.40 (8.1 - 35.6)	71	500
PEL-23-Y3-0.5		White	1.80 x 5.50 (45.7 x 140.0)	1.80 x 1.167 (45.7 x 29.6)	0.37 - 1.38 (9.4 - 35.0)	71	500

▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
†Labels available with TIA Specified Colored Print-On Areas; to order replace -Y3 with -BLU for Blue, -BRN for Brown, -GRN for Green, -GRY for Gray, -ORN for Orange, -PUR for Purple, -RED for Red, and -YEL for Yellow. i.e. PEL-17-BLU-2.5 has a Blue Print-On Area.

Clear Polyolefin – Indoor Applications

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter▪ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-18-PO3-1	GMPO Polyolefin	White	0.90 x 2.17 (22.9 x 55.0)	0.90 x 0.50 (22.9 x 12.7)	0.16 - 0.53 (4.1 - 13.5)	71	1000

▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

Blank Labels by Material

- Non-laminated material used in indoor applications
- Permanent adhesive
- Excellent print quality, limited resistance to solvents and oil

Polyolefin - Indoor Applications

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-33-PO-5	GMPO Polyolefin	White	0.50 x 1.50 (12.7 x 38.1)	72	5000
PLL-8-PO-10			1.00 x 0.38 (25.4 x 9.5)	72	10,000
PLL-10-PO-5			1.00 x 0.75 (25.4 x 19.1)	73	5000
PLL-14-PO-5			1.50 x 0.25 (38.1 x 6.4)	73	5000
PLL-35-PO-2.5			1.50 x 0.75 (38.1 x 19.1)	73	2500
PLL-16-PO-2.5			1.88 x 0.38 (47.6 x 9.5)	73	2500
PLL-17-PO-2.5			1.88 x 0.83 (47.6 x 21.1)	74	2500
PLL-36-PO-1			2.50 x 1.00 (63.5 x 25.4)	74	1000
PLL-22-PO-1†			7.88 x 0.50 (200.0 x 12.7)	74	1000
PLL-25-PO-SH			8.50 x 11.00 (215.9 x 279.4)	74	25

†Labels available in colors; to order add the following suffix to part number: -Y for Yellow, -R for Red, -B for Blue, -G for Green, -GR for Gray, -PR for Purple and -BR for Brown

- Used for temporary identification

Removable Polyolefin - Indoor Applications

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-31-POR-10	GMPOR Removable Polyolefin	White	0.50 x 0.44 (12.7 x 11.1)	72	10,000
PLL-9-POR-10			1.00 x 0.50 (25.4 x 12.7)	73	10,000
PLL-34-POR-10			1.25 x 0.38 (31.8 x 9.5)	73	10,000
PLL-14-POR-5			1.50 x 0.25 (38.1 x 6.4)	73	5000
PLL-35-POR-2.5			1.50 x 0.75 (38.1 x 19.1)	73	2500
PLL-36-POR-1			2.50 x 1.00 (63.5 x 25.4)	74	1000
PLL-19-POR-2.5			3.00 x 0.38 (76.2 x 9.5)	74	2500
PLL-25-POR-SH			8.50 x 11.00 (215.9 x 279.4)	74	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Used for shipping or labeling
- Excellent black/white contrast for bar code applications
- Most economical labeling solution

Litho Paper - Indoor/Temporary Applications

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Sheets Per Pkg.	Std. Pkg. Qty.*
LL2561-100G	Litho Paper	White	2.83 x 1.00 (72.0 x 25.4)	75	100	1 Pkg.
LL2561-100			2.83 x 1.00 (72.0 x 25.4)	75	100	1 Pkg.
LL2561-250			2.83 x 1.00 (72.0 x 25.4)	75	250	1 Pkg.
LL2561-500			2.83 x 1.00 (72.0 x 25.4)	75	500	1 Pkg.
LL256138-100			2.83 x 1.38 (72.0 x 34.9)	75	100	1 Pkg.
LL25615-100G			2.83 x 1.50 (72.0 x 38.1)	75	100	1 Pkg.
LL4252-100G			4.25 x 2.00 (108.0 x 50.8)	75	100	1 Pkg.
LL425275-250			4.25 x 2.00 (108.0 x 50.8)	75	250	1 Pkg.
LL42513-100G			4.25 x 13.00 (108.0 x 330.2)	75	100	1 Pkg.
LL8511-100			8.50 x 11.00 (215.9 x 279.4)	75	100	1 Pkg.

*Order number of packages required in multiples of Std. Pkg. Qty.

- Use on colored or clear surfaces
- Durable polyester material is UV and temperature resistant
- Apply to flat, clean surfaces only

Clear Polyester - Indoor/Outdoor Applications

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-24-Y3-1	GMY3 Polyester	Clear	0.56 x 0.19 (14.3 x 4.8)	72	1000
PLL-24-Y3-5			0.56 x 0.19 (14.3 x 4.8)	72	5000
PLL-23-Y3-1			0.56 x 0.56 (14.3 x 14.3)	72	1000
PLL-23-Y3-5			0.56 x 0.56 (14.3 x 14.3)	72	5000
PLL-9-Y3C-5			1.00 x 0.50 (25.4 x 12.7)	73	5000
PLL-10-Y3C-2.5			1.00 x 0.75 (25.4 x 19.1)	73	2500
PLL-11-Y3C-2.5			1.00 x 1.00 (25.4 x 25.4)	73	2500
PLL-22-Y3-1			7.88 x 0.50 (200.0 x 12.7)	74	1000
PLL-25-Y3C-SH			8.50 x 11.00 (215.9 x 279.4)	74	25

*Order number of labels required in multiples of Std. Pkg. Qty.

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-A4-Y3-25	GMY3 Polyester	Clear	8.27 x 11.69 (210.0 x 297.0)	77	25

*Order number of labels required in multiples of Std. Pkg. Qty.

- Matte clear finish
- Use on colored or clear surfaces
- Durable polyester material is UV and temperature resistant
- Apply to flat, clean surfaces only

Matte Clear Polyester - Indoor/Outdoor Applications

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-29-Y3M-10	GMY3M Polyester	Matte Clear	0.56 x 0.25 (14.3 x 6.4)	76	10,000
PEL-28-Y3M-5			0.56 x 0.56 (14.3 x 14.3)	76	5000
PEL-10-Y3M-5			0.70 x 0.50 (17.8 x 12.7)	76	5000
PEL-2-Y3M-10			1.00 x 0.25 (25.4 x 6.4)	76	10,000
PEL-7-Y3M-5			1.50 x 0.33 (38.1 x 8.5)	77	5000
PEL-A4-Y3M-25			8.27 x 11.69 (210.0 x 297.0)	77	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Adhesive becomes permanent after 24 hours
- Durable polyester, ideal for the top of circuit boards
- Can be used (on top) before wave solder process
- UV resistant for outdoor applications
- Apply to flat, clean surfaces only

White Polyester - Indoor/Outdoor Applications

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-30-Y2-10	GMY2-W Polyester	White	0.25 x 0.25 (6.4 x 6.4)	75	10,000
PLL-1-Y2-10			0.30 x 0.25 (7.6 x 6.4)	75	10,000
PLL-2-Y2-10			0.38 x 0.38 (9.5 x 9.5)	72	10,000
PLL-31-Y2-10			0.50 x 0.44 (12.7 x 11.1)	72	10,000
PLL-24-Y2-1			0.56 x 0.19 (14.3 x 4.8)	72	1000
PLL-24-Y2-5			0.56 x 0.19 (14.3 x 4.8)	72	5000
PLL-23-Y2-1			0.56 x 0.56 (14.3 x 14.3)	72	1000
PLL-23-Y2-5			0.56 x 0.56 (14.3 x 14.3)	72	5000
PLL-32-Y2-10			0.65 x 0.20 (16.5 x 5.1)	72	10,000
PLL-4-Y2-10			0.65 x 0.25 (16.5 x 6.4)	72	10,000
PLL-20-Y2-10			0.80 x 0.20 (20.3 x 5.1)	72	10,000
PLL-5-Y2-10			0.80 x 0.25 (20.3 x 6.4)	72	10,000
PLL-6-Y2-5			0.80 x 0.50 (20.3 x 12.7)	72	5000
PLL-6-Y2-10			0.80 x 0.50 (20.3 x 12.7)	72	10,000
PLL-7-Y2-10			1.00 x 0.25 (25.4 x 6.4)	72	10,000
PLL-8-Y2-5			1.00 x 0.38 (25.4 x 9.5)	72	5000
PLL-8-Y2-10			1.00 x 0.38 (25.4 x 9.5)	72	10,000
PLL-9-Y2-5			1.00 x 0.50 (25.4 x 12.7)	73	5000
PLL-9-Y2-10			1.00 x 0.50 (25.4 x 12.7)	72	10,000
PLL-10-Y2-2.5			1.00 x 0.75 (25.4 x 19.1)	73	2500
PLL-11-Y2-2.5			1.00 x 1.00 (25.4 x 25.4)	73	2500
PLL-12-Y2-1			1.00 x 1.33 (25.4 x 33.8)	73	1000
PLL-12-Y2-2.5			1.00 x 1.33 (25.4 x 33.8)	73	2500
PLL-34-Y2-10			1.25 x 0.38 (31.8 x 9.5)	73	10,000
PLL-14-Y2-5			1.50 x 0.25 (38.1 x 6.4)	73	5000
PLL-14-Y2-10			1.50 x 0.25 (38.1 x 6.4)	73	10,000
PLL-15-Y2-5			1.88 x 0.25 (47.6 x 6.4)	73	5000
PLL-15-Y2-10			1.88 x 0.25 (47.6 x 6.4)	73	10,000
PLL-16-Y2-2.5			1.88 x 0.38 (47.6 x 9.5)	73	2500
PLL-16-Y2-5			1.88 x 0.38 (47.6 x 9.5)	73	5000
PLL-17-Y2-1			1.88 x 0.83 (47.6 x 21.1)	73	1000
PLL-17-Y2-2.5			1.88 x 0.83 (47.6 x 21.1)	73	2500
PLL-18-Y2-1			1.88 x 1.33 (47.6 x 33.8)	74	1000
PLL-18-Y2-1.5			1.88 x 1.33 (47.6 x 33.8)	74	1500
PLL-36-Y2-1			2.50 x 1.00 (63.5 x 25.4)	74	1000
PLL-26-Y2-1			2.83 x 1.00 (72.0 x 25.4)	74	1000
PLL-27-Y2-1			2.83 x 1.38 (72.0 x 34.9)	74	1000
PLL-28-Y2-1			2.83 x 1.50 (72.0 x 38.1)	74	1000
PLL-19-Y2-1			3.00 x 0.38 (76.2 x 9.5)	74	1000
PLL-19-Y2-2.5			3.00 x 0.38 (76.2 x 9.5)	74	2500
PLL-29-Y2-1			4.25 x 2.00 (108.0 x 50.8)	74	1000
PLL-22-Y2-1			7.88 x 0.50 (200.0 x 12.7)	74	1000
PLL-25-Y2-SH			8.50 x 11.00 (215.9 x 279.4)	74	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Adhesive becomes permanent after 24 hours
- Durable polyester, ideal for the top of circuit boards
- Can be used (on top) before wave solder process
- UV resistant for outdoor applications
- Apply to flat, clean surfaces only

White Polyester - Indoor/Outdoor Applications (cont.)

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-9-Y2-10	GMY2-W Polyester	White	0.50 x 0.50 (12.7 x 12.7)	76	10,000
PEL-29-Y2-10			0.56 x 0.25 (14.3 x 6.4)	76	10,000
PEL-28-Y2-5			0.56 x 0.56 (14.3 x 14.3)	76	5000
PEL-1-Y2-10			0.70 x 0.25 (17.8 x 6.4)	76	10,000
PEL-4-Y2-10			0.70 x 0.33 (17.8 x 8.5)	76	10,000
PEL-10-Y2-5			0.70 x 0.50 (17.8 x 12.7)	76	5000
PEL-5-Y2-10			0.80 x 0.33 (20.3 x 8.5)	76	10,000
PEL-2-Y2-10			1.00 x 0.25 (25.4 x 6.4)	76	10,000
PEL-6-Y2-5			1.00 x 0.33 (25.4 x 8.5)	76	5000
PEL-11-Y2-5			1.00 x 0.50 (25.4 x 12.7)	76	5000
PEL-3-Y2-5			1.44 x 0.25 (36.5 x 6.4)	77	5000
PEL-7-Y2-5			1.50 x 0.33 (38.1 x 8.5)	77	5000
PEL-12-Y2-2.5			1.50 x 0.50 (38.1 x 12.7)	77	2500
PEL-8-Y2-2.5			2.00 x 0.33 (50.8 x 8.5)	77	2500
PEL-13-Y2-2.5			2.00 x 0.50 (50.8 x 12.7)	77	2500
PEL-14-Y2-1			2.00 x 0.83 (50.8 x 21.1)	77	1000
PEL-15-Y2-1			2.00 x 1.00 (50.8 x 25.4)	77	1000
PEL-16-Y2-0.5			2.50 x 1.33 (63.5 x 33.9)	77	500
PEL-A4-Y2-25			8.27 x 11.69 (210.0 x 297.0)	77	25

- Adhesive becomes permanent after 24 hours
- Durable polyester, ideal for the top of circuit boards
- Can be used (on top) before wave solder process
- UV resistant for outdoor applications
- Apply to flat, clean surfaces only

Yellow Polyester - Indoor/Outdoor Applications

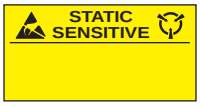
U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-1-Y2Y-10	GMY2-Y Polyester	Yellow	0.30 x 0.25 (7.6 x 6.4)	75	10,000
PLL-2-Y2Y-10			0.38 x 0.38 (9.5 x 9.5)	72	10,000
PLL-32-Y2Y-10			0.65 x 0.20 (16.5 x 5.1)	72	10,000
PLL-4-Y2Y-10			0.65 x 0.25 (16.5 x 6.4)	72	10,000
PLL-20-Y2Y-10			0.80 x 0.20 (20.3 x 5.1)	72	10,000
PLL-5-Y2Y-10			0.80 x 0.25 (20.3 x 6.4)	72	10,000
PLL-6-Y2Y-5			0.80 x 0.50 (20.3 x 12.7)	72	5000
PLL-6-Y2Y-10			0.80 x 0.50 (20.3 x 12.7)	72	10,000
PLL-7-Y2Y-10			1.00 x 0.25 (25.4 x 6.4)	72	10,000
PLL-8-Y2Y-5			1.00 x 0.38 (25.4 x 9.5)	72	5000
PLL-8-Y2Y-10			1.00 x 0.38 (25.4 x 9.5)	72	10,000
PLL-9-Y2Y-5			1.00 x 0.50 (25.4 x 12.7)	73	5000
PLL-9-Y2Y-10			1.00 x 0.50 (25.4 x 12.7)	73	10,000
PLL-34-Y2Y-10			1.25 x 0.38 (31.8 x 9.5)	73	10,000
PLL-14-Y2Y-5			1.50 x 0.25 (38.1 x 6.4)	73	5000
PLL-15-Y2Y-5			1.88 x 0.25 (47.6 x 6.4)	73	5000
PLL-16-Y2Y-2.5			1.88 x 0.38 (47.6 x 9.5)	73	2500
PLL-16-Y2Y-5			1.88 x 0.38 (47.6 x 9.5)	73	5000
PLL-17-Y2Y-2.5			1.88 x 0.83 (47.6 x 21.1)	73	2500
PLL-18-Y2Y-1			1.88 x 1.33 (47.6 x 33.8)	74	1000
PLL-18-Y2Y-1.5			1.88 x 1.33 (47.6 x 33.8)	74	1500
PLL-19-Y2Y-1			3.00 x 0.38 (76.2 x 9.5)	74	1000
PLL-19-Y2Y-2.5			3.00 x 0.38 (76.2 x 9.5)	74	2500
PLL-25-Y2Y-SH			8.50 x 11.00 (215.9 x 279.4)	74	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Adhesive becomes permanent after 24 hours
- Durable polyester, ideal for the top of circuit boards
- UV resistant for outdoor applications
- Apply to flat, clean surfaces only



- Warning sign, reference EIA (Electronic Industries Assoc) Standard RS-471 and MIL Standard 129J

- UV opaque material used to cover EPROM windows
- Adhesive becomes permanent after 24 hours
- Durable polyester, ideal for the top of circuit boards
- Can be used (on top) before wave solder process
- UV resistant for outdoor applications
- Apply to flat, clean surfaces only

Yellow Polyester - Indoor/Outdoor Applications (cont.)

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-25-Y2Y-10	GMY2-Y Polyester	Yellow	0.35 x 0.59 (9.0 x 15.0)	76	10,000
PEL-26-Y2Y-5			0.43 x 0.75 (11.0 x 19.1)	76	5000
PEL-27-Y2Y-5			0.43 x 1.50 (11.0 x 38.1)	76	5000
PEL-4-Y2Y-10			0.70 x 0.33 (17.8 x 8.5)	76	10,000
PEL-10-Y2Y-5			0.70 x 0.50 (17.8 x 12.7)	76	5000
PEL-24-Y2Y-10			0.79 x 0.31 (20.0 x 8.0)	76	10,000
PEL-5-Y2Y-10			0.80 x 0.33 (20.3 x 8.5)	76	10,000
PEL-2-Y2Y-10			1.00 x 0.25 (25.4 x 6.4)	76	10,000
PEL-11-Y2Y-5			1.00 x 0.50 (25.4 x 12.7)	76	5000
PEL-7-Y2Y-5			1.50 x 0.33 (38.1 x 8.5)	77	5000
PEL-12-Y2Y-2.5			1.50 x 0.50 (38.1 x 12.7)	77	2500
PEL-15-Y2Y-1			2.00 x 1.00 (50.8 x 25.4)	77	1000
PEL-A4-Y2Y-25			8.27 x 11.69 (210.0 x 297.0)	77	25

Static Sensitive Label

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Printable Area Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PESS-SEL	GMY2-Y Polyester	Yellow	1.00 x 0.50 (25.4 x 12.7)	1.00 x 0.25 (25.4 x 6.4)	76	2500

Silver Polyester - Indoor/Outdoor Applications

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-9-Y2S-10	GMY2-S Polyester	Silver	1.00 x 0.50 (25.4 x 12.7)	73	10,000
PLL-35-Y2S-2.5			1.50 x 0.75 (38.1 x 19.1)	73	2500
PLL-36-Y2S-1			2.50 x 1.00 (63.5 x 25.4)	74	1000
PLL-25-Y2S-SH			8.50 x 11.00 (215.9 x 279.4)	74	25

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-9-Y1-10	GMY2-S Polyester	Silver	0.50 x 0.50 (12.7 x 12.7)	76	10,000
PEL-1-Y1-10			0.70 x 0.25 (17.8 x 6.4)	76	10,000
PEL-4-Y1-10			0.70 x 0.33 (17.8 x 8.5)	76	10,000
PEL-10-Y1-5			0.70 x 0.50 (17.8 x 12.7)	76	5000
PEL-5-Y1-10			0.80 x 0.33 (20.3 x 8.5)	76	10,000
PEL-2-Y1-10			1.00 x 0.25 (25.4 x 6.4)	76	10,000
PEL-6-Y1-5			1.00 x 0.33 (25.4 x 8.5)	76	5000
PEL-11-Y1-5			1.00 x 0.50 (25.4 x 12.7)	76	5000
PEL-3-Y1-5			1.44 x 0.25 (36.5 x 6.4)	77	5000
PEL-7-Y1-5			1.50 x 0.33 (38.1 x 8.5)	77	5000
PEL-12-Y1-2.5			1.50 x 0.50 (38.1 x 12.7)	77	2500
PEL-8-Y1-2.5			2.00 x 0.33 (50.8 x 8.5)	77	2500
PEL-13-Y1-2.5			2.00 x 0.50 (50.8 x 12.7)	77	2500
PEL-14-Y1-1			2.00 x 0.83 (50.8 x 21.1)	77	1000
PEL-15-Y1-1			2.00 x 1.00 (50.8 x 25.4)	77	1000
PEL-16-Y1-0.5			2.50 x 1.33 (63.5 x 33.9)	77	500
PEL-A4-Y1-25			8.27 x 11.69 (210.0 x 297.0)	77	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- For tamper evident applications

Tamper Evident Polyester - Indoor/Outdoor Applications

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-9-Y1C-10	GMY2-STE Tamper Evident Polyester	Silver	0.50 x 0.50 (12.7 x 12.7)	76	10,000
PEL-4-Y1C-10			0.70 x 0.33 (17.8 x 8.5)	76	10,000
PEL-6-Y1C-5			1.00 x 0.33 (25.4 x 8.5)	76	5000
PEL-11-Y1C-5			1.00 x 0.50 (25.4 x 12.7)	76	5000
PEL-3-Y1C-5			1.40 x 0.25 (36.5 x 6.4)	77	5000
PEL-8-Y1C-2.5			2.00 x 0.33 (50.8 x 8.5)	77	2500
PEL-15-Y1C-1			2.00 x 1.00 (50.8 x 25.4)	77	1000
PEL-16-Y1C-0.5			2.50 x 1.33 (63.5 x 33.9)	77	500
PEL-A4-Y1C-25			8.27 x 11.69 (210.0 x 297.0)	77	25

Full Sheets

- Used for a wide variety of applications
- Full size sheets are available in 7 materials suitable for laser printing
- Ideal for prototyping and low volume custom labeling
- Custom large or irregular label sizes

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-25-PO-SH	GMPO Polyolefin	White	8.50 x 11.00 (215.9 x 279.4)	74	25
PLL-25-Y2S-SH	GMY2-S Polyester	Silver	8.50 x 11.00 (215.9 x 279.4)	74	25
PLL-25-Y3C-SH	GMY3-C Polyester	Clear	8.50 x 11.00 (215.9 x 279.4)	74	25
PLL-25-Y2-SH	GMY2-W Polyester	White	8.50 x 11.00 (215.9 x 279.4)	74	25
PLL-25-POR-SH	GMPOR Rem. Polyolefin	White	8.50 x 11.00 (215.9 x 279.4)	74	25
PLL-25-Y2Y-SH	GMY2-Y Polyester	Yellow	8.50 x 11.00 (215.9 x 279.4)	74	25

DIN A4 Sheet Format (8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PEL-A4-Y3-25	GMY3-C Polyester	Clear	8.27 x 11.69 (210.0 x 297.0)	77	25
PEL-A4-Y3M-25	GMY3M Polyester	Matte Clear	8.27 x 11.69 (210.0 x 297.0)	77	25
PEL-A4-Y1-25	GMY2-S Polyester	Silver	8.27 x 11.69 (210.0 x 297.0)	77	25
PEL-A4-Y2-25	GMY2-W Polyester	White	8.27 x 11.69 (210.0 x 297.0)	77	25
PEL-A4-Y2Y-25	GMY2-Y Polyester	Yellow	8.27 x 11.69 (210.0 x 297.0)	77	25
PEL-A4-Y1C-25	GMY2-STE Tamper Evident Polyester	Silver	8.27 x 11.69 (210.0 x 297.0)	77	25

*Order number of labels required in multiples of Std. Pkg. Qty.

TIA/EIA-606 Compliant Network Systems Labeling

What is TIA/EIA-606?

TIA/EIA-606 is a standard from the Telecommunications Industry Association which requires labeling and administration of the telecommunication infrastructure in commercial buildings. TIA-606 applies to Cables, Connectors, Hub Facilities, Termination Facilities (Patch Panels), Conduits and Pathways.

Panduit manufactures a broad range of labeling products to help you conform to TIA/EIA-606.

Along with the labels already shown in this section, the following pages feature labels designed specifically for Network Systems Labeling. Many of these labels can be used with Dot-Matrix and Laser Printers.

*For more information on the complete line of **PAN-NET**™ Network Cabling System Products, ask for the Communication Products Catalog.*

Termination Hardware Labeling

Adhesive Labels

- Eliminate the need for standard paper designation strips
- Labels are placed on top of label holders

Adhesive 110 Block Labels

Designed to work in Laser Printers Only

Part Number	Material	TIA Color	Label Width In. (mm)	Label Length In. (mm)	Vertical Repeat In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Std. Pkg. Qty.*
PLL-22-Y3-1	GMY3 Polyester	Clear	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1	GMPO Polyolefin	White	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1B		Blue	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1BR		Brown	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1G		Green	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1GR		Gray	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1OR		Orange	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1PR		Purple	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1R		Red	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000
PLL-22-PO-1Y		Yellow	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	20	20	1000

Non-Adhesive Labels

- To use with Laser Printer, simply tear sheets apart at fanfold perforation and use manual feed supply on printer

Non-Adhesive 110 Punch Down Block Labels

Designed to work in Laser and Dot-Matrix Printers

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width In. (mm)	Std. Pkg. Qty.*
DS110	Semi-Rigid Paper	White	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-BR		Brown	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-BU		Blue	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-GR		Green	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-IG		Gray	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-OR		Orange	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-RD		Red	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-VL		Violet	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-YL		Yellow	7.88 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150

*Order number of labels required in multiples of Std. Pkg. Qty.

Network Systems Labeling — Termination Hardware (cont.)

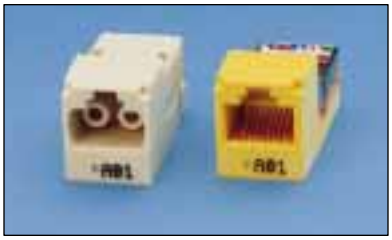
Adhesive Label for Patch Panels and Modular Furniture Faceplates

- Label is perforated on black lines to be used in 2 position, 4 position, or 6 position applications

Designed to work in Laser and Dot-Matrix Printers

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Std. Pkg. Qty.*
CPPLF-5	GMPO Polyolefin	White	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5BU		Blue	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5EI		Ivory	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5GR		Green	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5IG		Gray	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5OR		Orange	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5VL		Violet	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5RD		Red	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000
CPPLF-5YL		Yellow	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	300	5000

Termination Position Labeling



MINI-JACK™ Modular Jack and *OPTI-JACK*™ Fiber Optic Connector Labels

- Identify individual jacks and connectors
- Wrap around design allows for quick and secure installation
- Labels attach directly to jacks

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Std. Pkg. Qty.*
PLL-46-Y3C-1	GMY3 Polyester	Clear	1.38 (34.9)	0.19 (4.8)	1.53 (38.9)	0.19 (4.8)	5	53	265	1000
PLL-46-Y2-1	GMY2 Polyester	White	1.38 (34.9)	0.19 (4.8)	1.53 (38.9)	0.19 (4.8)	5	53	265	1000

Surface Mount Box Labels

U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PLL-23-Y3-1	GMY-C Polyester	Clear	0.56 x 0.56 (14.3 x 14.3)	72	1000
PLL-23-Y3-5		Clear		72	5000
PLL-23-Y2-1	GMY-W Polyester	White	0.56 x 0.56 (14.3 x 14.3)	72	1000
PLL-23-Y2-5		White		72	5000

*Order number of labels required in multiples of Std. Pkg. Qty.

Network Systems Labeling — Termination Position Labeling (cont.)

Faceplates Labels

New

- For use with **MINI-COM**® Executive and Designer Series Faceplates
- Adhesive label designed to fit on vinyl insert provided with faceplate
- Single and Double Gang versions available
- Can also be used to identify **MINI-COM** Surface Mount Boxes

Adhesive Faceplate Labels

Designed to work in Laser and Ink Jet Printers

Part Number	Faceplate Type	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Std. Pkg. Qty.*
JLEFPS-1	Single Gang	GMPO5-W Polyolefin	White	1.80 (45.7)	0.38 (9.5)	2.01(51.1)	0.45 (11.6)	4	21	84	1000
JLEFPD-1	Double Gang		White	0.30 (7.6)	2.90 (73.7)	0.38 (9.5)	3.30 (83.8)	21	3	63	1000

Non-Adhesive Faceplate Labels

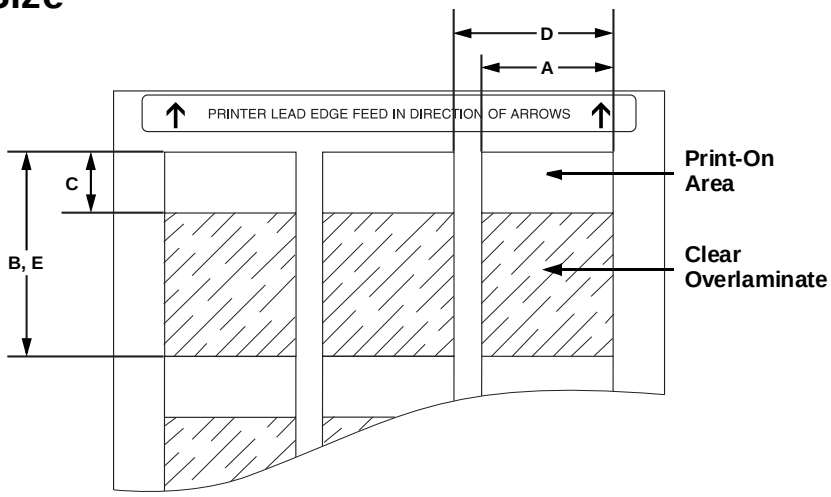
Designed to work in Laser and Dot-Matrix Printers

Part Number	Faceplate Type	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Std. Pkg. Qty.*
EFPT-1	Single Gang	Semi-Rigid Paper	White	1.80 (45.7)	0.38 (9.5)	1.80 (45.7)	0.38 (9.5)	4	19	76	1000
EFPT10-1	Double Gang		White	2.90 (73.7)	0.30 (7.6)	2.90 (73.7)	0.30 (7.6)	2	24	48	1000

*For more information on the complete line of **PAN-NET**™ Network Cabling System Products, ask for the Communication Products Catalog.*

*Order number of labels required in multiples of Std. Pkg. Qty.

Self-Laminating Labels by Size

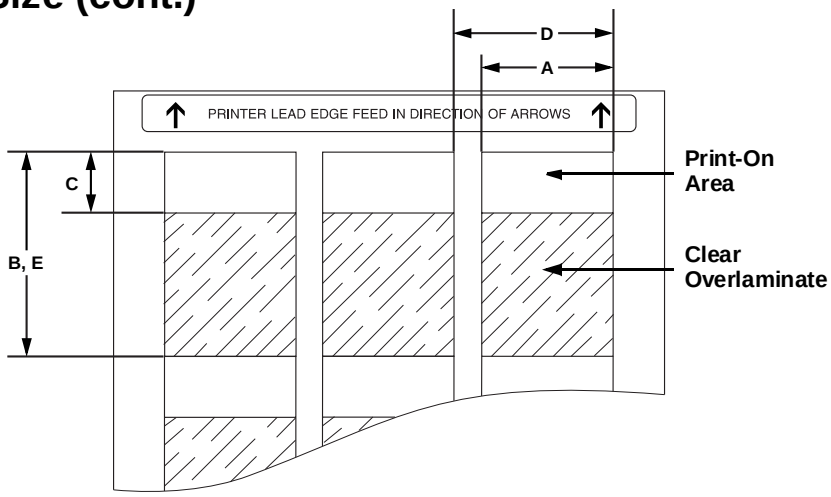


U.S. Letter Sheet Format (8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Area Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg.	Std. Pkg. Qty.*
PLL-3-Y3-5	Polyester	White	0.50 (12.7)	0.75 (19.1)	0.34 (8.64)	0.60 (15.2)	0.75 (19.1)	13	12	156	33	5000
PLL-33-Y3-5	Polyester	White	0.50 (12.7)	1.50 (38.1)	0.50 (12.7)	0.60 (15.2)	1.50 (38.1)	13	6	78	65	5000
PLL-10-Y3-2.5	Polyester	White	1.00 (25.4)	0.75 (19.1)	0.34 (8.64)	1.10 (27.9)	0.75 (19.1)	7	12	84	30	2500
PLL-10-Y3-5	Polyester	White	1.00 (25.4)	0.75 (19.1)	0.34 (8.64)	1.10 (27.9)	0.75 (19.1)	7	12	84	60	5000
PLL-11-Y3-2.5	Polyester	White	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3B-2.5	Polyester	TIA Blue	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3BR-2.5	Polyester	TIA Brown	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3G-2.5	Polyester	TIA Green	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3IG-2.5	Polyester	TIA Gray	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3OR-2.5	Polyester	TIA Orange	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3PR-2.5	Polyester	TIA Purple	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3RD-2.5	Polyester	TIA Red	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3Y-2.5	Polyester	TIA Yellow	1.00 (25.4)	1.00 (25.4)	0.34 (8.64)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-12-Y3-1	Polyester	White	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	21	1000
PLL-12-Y3-2.5	Polyester	White	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3B-2.5	Polyester	TIA Blue	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3BR-2.5	Polyester	TIA Brown	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3G-2.5	Polyester	TIA Green	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3IG-2.5	Polyester	TIA Gray	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3OR-2.5	Polyester	TIA Orange	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3PR-2.5	Polyester	TIA Purple	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3RD-2.5	Polyester	TIA Red	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-12-Y3Y-2.5	Polyester	TIA Yellow	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-39-Y3-1	Polyester	White	1.00 (25.4)	1.33 (33.8)	0.47 (11.9)	1.10 (27.9)	1.33 (33.8)	8	8	64	16	1000
PLL-13-Y3-D	Polyester	White	1.00 (25.4)	3.17 (80.5)	0.97 (24.6)	1.10 (27.9)	3.17 (80.5)	7	3	21	24	500
PLL-13-Y3-1	Polyester	White	1.00 (25.4)	3.17 (80.5)	0.97 (24.6)	1.10 (27.9)	3.17 (80.5)	7	3	21	48	1000
PLL-38-Y3-1	Polyester	White	1.00 (25.4)	5.45 (138.4)	1.00 (25.4)	1.10 (27.9)	5.45 (138.4)	7	2	14	72	1000
PLL-37-Y3-1	Polyester	White	1.88 (47.6)	3.17 (80.5)	0.97 (24.6)	2.00 (50.8)	3.17 (80.5)	4	3	12	84	1000
PLL-40-Y3-1	Polyester	White	2.00 (50.8	1.50 (38.1)	0.50 (12.7)	2.00 (50.8	1.50 (38.1)	4	6	24	42	1000
PLL-21-Y3-1	Polyester	White	2.00 (50.8)	3.17 (80.5)	1.00 (25.4)	2.50 (63.5)	3.17 (80.5)	3	3	9	111	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Self-Laminating Labels by Size (cont.)

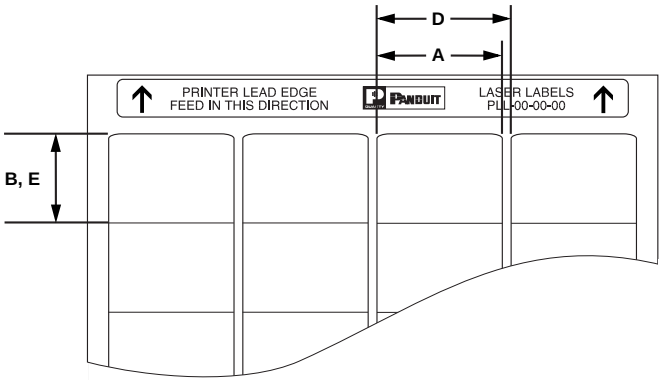


DIN A4 Sheet Format
(8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Area Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg.	Std. Pkg. Qty.*
PEL-17-Y3-2.5	Polyester	White	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-BLU-2.5	Polyester	TIA Blue	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-BRN-2.5	Polyester	TIA Brown	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-GRN-2.5	Polyester	TIA Green	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-GRY-2.5	Polyester	TIA Gray	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-ORN-2.5	Polyester	TIA Orange	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-PUR-2.5	Polyester	TIA Purple	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-RED-2.5	Polyester	TIA Red	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-17-YEL-2.5	Polyester	TIA Yellow	0.70 (17.8)	1.33 (33.8)	0.33 (8.5)	0.70 (17.8)	1.33 (33.8)	10	8	80	32	2500
PEL-18-PO3-1	Polyolefin	White	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-Y3-1	Polyester	White	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-BLU-1	Polyester	TIA Blue	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-BRN-1	Polyester	TIA Brown	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-GRN-1	Polyester	TIA Green	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-GRY-1	Polyester	TIA Gray	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-ORN-1	Polyester	TIA Orange	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-PUR-1	Polyester	TIA Purple	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-RED-1	Polyester	TIA Red	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-18-YEL-1	Polyester	TIA Yellow	0.90 (22.9)	2.17 (55.0)	0.50 (12.7)	0.90 (22.9)	2.17 (55.0)	8	5	40	25	1000
PEL-19-Y3-1	Polyester	White	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-BLU-1	Polyester	TIA Blue	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-BRN-1	Polyester	TIA Brown	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-GRN-1	Polyester	TIA Green	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-GRY-1	Polyester	TIA Gray	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-ORN-1	Polyester	TIA Orange	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-PUR-1	Polyester	TIA Purple	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-RED-1	Polyester	TIA Red	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-19-YEL-1	Polyester	TIA Yellow	1.00 (25.4)	2.67 (67.7)	0.67 (16.9)	1.00 (25.4)	2.67 (67.7)	7	4	28	36	1000
PEL-20-Y3-1	Polyester	White	1.20 (30.5)	2.67 (67.7)	0.83 (21.1)	1.20 (30.5)	2.67 (67.7)	6	4	24	42	1000
PEL-21-Y3-0.5	Polyester	White	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-BLU-0.5	Polyester	TIA Blue	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-BRN-0.5	Polyester	TIA Brown	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-GRN-0.5	Polyester	TIA Green	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-GRY-0.5	Polyester	TIA Gray	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-ORN-0.5	Polyester	TIA Orange	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-PUR-0.5	Polyester	TIA Purple	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-RED-0.5	Polyester	TIA Red	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-21-YEL-0.5	Polyester	TIA Yellow	1.40 (35.6)	3.67 (93.1)	1.00 (25.4)	1.40 (35.6)	3.67 (93.1)	5	3	15	34	500
PEL-22-Y3-0.5	Polyester	White	1.40 (35.6)	5.50 (140.0)	1.00 (25.4)	1.40 (35.6)	5.50 (140.0)	5	2	10	50	500
PEL-23-Y3-0.5	Polyester	White	1.80 (45.7)	5.50 (140.0)	1.167 (29.6)	1.80 (45.7)	5.50 (140.0)	4	2	8	63	500

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Size

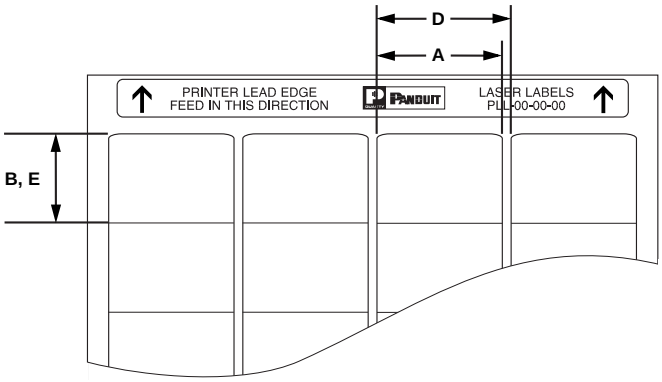


U.S. Letter Sheet Format
(8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg	Std. Pkg. Qty*
PLL-2-Y2-10	Polyester	White	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.38 (9.5)	16	25	400	25	10,000
PLL-2-Y2Y-10	Polyester	Yellow	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.38 (9.5)	16	25	400	25	10,000
PLL-31-Y2-10	Polyester	White	0.50 (12.7)	0.44 (11.1)	0.60 (15.2)	0.44 (11.1)	13	22	286	35	10,000
PLL-31-POR-10	Remov. Polyolefin	White	0.50 (12.7)	0.44 (11.1)	0.60 (15.2)	0.44 (11.1)	13	22	286	35	10,000
PLL-33-PO-5	Polyolefin	White	0.50 (12.7)	1.50 (38.1)	0.60 (15.2)	1.50 (38.1)	13	6	78	65	5000
PLL-24-Y2-1	Polyester	White	0.56 (14.3)	0.19 (4.8)	0.80 (20.3)	0.40 (10.2)	10	24	240	5	1000
PLL-24-Y2-5	Polyester	White	0.56 (14.3)	0.19 (4.8)	0.80 (20.3)	0.40 (10.2)	10	24	240	21	5000
PLL-24-Y3-1	Polyester	Clear	0.56 (14.3)	0.19 (4.8)	0.80 (20.3)	0.40 (10.2)	10	24	240	5	1000
PLL-24-Y3-5	Polyester	Clear	0.56 (14.3)	0.19 (4.8)	0.80 (20.3)	0.40 (10.2)	10	24	240	21	5000
PLL-23-Y2-1	Polyester	White	0.56 (14.3)	0.56 (14.3)	0.80 (20.3)	0.80 (20.3)	10	12	120	9	1000
PLL-23-Y2-5	Polyester	White	0.56 (14.3)	0.56 (14.3)	0.80 (20.3)	0.80 (20.3)	10	12	120	42	5000
PLL-23-Y3-1	Polyester	Clear	0.56 (14.3)	0.56 (14.3)	0.80 (20.3)	0.80 (20.3)	10	12	120	9	1000
PLL-23-Y3-5	Polyester	Clear	0.56 (14.3)	0.56 (14.3)	0.80 (20.3)	0.80 (20.3)	10	12	120	42	5000
PLL-32-Y2-10	Polyester	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.20 (5.1)	10	48	480	21	10,000
PLL-32-Y2Y-10	Polyester	Yellow	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.20 (5.1)	10	48	480	21	10,000
PLL-4-Y2-10	Polyester	White	0.65 (16.5)	0.25 (6.4)	0.80 (20.3)	0.25 (6.4)	10	39	390	26	10,000
PLL-4-Y2Y-10	Polyester	Yellow	0.65 (16.5)	0.25 (6.4)	0.80 (20.3)	0.25 (6.4)	10	39	390	26	10,000
PLL-20-Y2-10	Polyester	White	0.80 (20.3)	0.20 (5.1)	1.00 (25.4)	0.20 (5.1)	8	45	360	28	10,000
PLL-20-Y2Y-10	Polyester	Yellow	0.80 (20.3)	0.20 (5.1)	1.00 (25.4)	0.20 (5.1)	8	45	360	28	10,000
PLL-5-Y2-10	Polyester	White	0.80 (20.3)	0.25 (6.4)	1.00 (25.4)	0.25 (6.4)	8	39	312	33	10,000
PLL-5-Y2Y-10	Polyester	Yellow	0.80 (20.3)	0.25 (6.4)	1.00 (25.4)	0.25 (6.4)	8	39	312	33	10,000
PLL-6-Y2-5	Polyester	White	0.80 (20.3)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	8	19	152	33	5000
PLL-6-Y2-10	Polyester	White	0.80 (20.3)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	8	19	152	66	10,000
PLL-6-Y2Y-5	Polyester	Yellow	0.80 (20.3)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	8	19	152	66	5000
PLL-6-Y2Y-10	Polyester	Yellow	0.80 (20.3)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	8	19	152	33	10,000
PLL-7-Y2-10	Polyester	White	1.00 (25.4)	0.25 (6.4)	1.10 (27.9)	0.25 (6.4)	7	39	273	37	10,000
PLL-7-Y2Y-10	Polyester	Yellow	1.00 (25.4)	0.25 (6.4)	1.10 (27.9)	0.25 (6.4)	7	39	273	37	10,000
PLL-8-Y2-5	Polyester	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.38 (9.5)	7	25	175	58	5000
PLL-8-Y2-10	Polyester	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.38 (9.5)	7	25	175	29	10,000
PLL-8-Y2Y-5	Polyester	Yellow	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.38 (9.5)	7	25	175	58	5000
PLL-8-Y2Y-10	Polyester	Yellow	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.38 (9.5)	7	25	175	29	10,000
PLL-8-PO-10	Polyolefin	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.38 (9.5)	7	25	175	58	10,000

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Size (cont.)

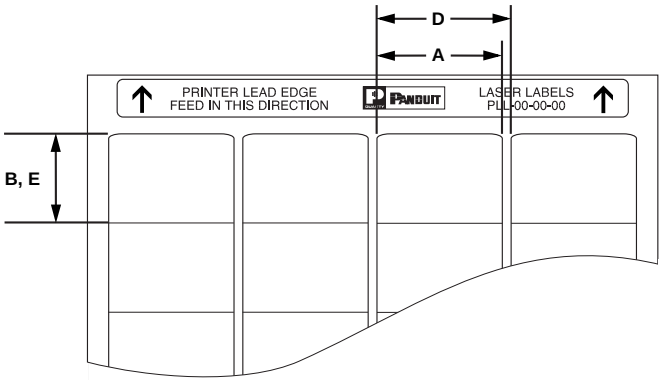


U.S. Letter Sheet Format
(8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg	Std. Pkg. Qty*
PLL-9-Y2-5	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.50 (12.7)	7	19	133	76	5000
PLL-9-Y2-10	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.50 (12.7)	7	19	133	38	10,000
PLL-9-Y2S-10	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.50 (12.7)	7	19	133	76	10,000
PLL-9-Y2Y-5	Polyester	Yellow	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.50 (12.7)	7	19	133	76	5000
PLL-9-Y2Y-10	Polyester	Yellow	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.50 (12.7)	7	19	133	38	10,000
PLL-9-Y3C-5	Polyester	Clear	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.50 (12.7)	7	19	133	38	5000
PLL-9-POR-10	Remov. Polyolefin	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.50 (12.7)	7	19	133	76	10,000
PLL-10-Y2-2.5	Polyester	White	1.00 (25.4)	0.75 (19.1)	1.10 (27.9)	0.75 (19.1)	7	12	84	30	2500
PLL-10-Y3C-2.5	Polyester	Clear	1.00 (25.4)	0.75 (19.1)	1.10 (27.9)	0.75 (19.1)	7	12	84	30	2500
PLL-10-PO-5	Polyolefin	White	1.00 (25.4)	0.75 (19.1)	1.10 (27.9)	0.75 (19.1)	7	12	84	30	5000
PLL-11-Y2-2.5	Polyester	White	1.00 (25.4)	1.00 (25.4)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-11-Y3C-2.5	Polyester	Clear	1.00 (25.4)	1.00 (25.4)	1.10 (27.9)	1.00 (25.4)	7	10	70	36	2500
PLL-12-Y2-1	Polyester	White	1.00 (25.4)	1.33 (33.8)	1.10 (27.9)	1.33 (33.8)	7	7	49	21	1000
PLL-12-Y2-2.5	Polyester	White	1.00 (25.4)	1.33 (33.8)	1.10 (27.9)	1.33 (33.8)	7	7	49	52	2500
PLL-34-Y2-10	Polyester	White	1.25 (31.8)	0.38 (9.5)	1.10 (27.9)	0.38 (9.5)	5	25	125	80	10,000
PLL-34-Y2Y-10	Polyester	Yellow	1.25 (31.8)	0.38 (9.5)	1.60 (40.6)	0.38 (9.5)	5	25	125	80	10,000
PLL-34-POR-10	Remov. Polyolefin	White	1.25 (31.8)	0.38 (9.5)	1.60 (40.6)	0.38 (9.5)	5	25	125	80	10,000
PLL-14-Y2-5	Polyester	White	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.25 (6.4)	5	39	195	52	5000
PLL-14-Y2-10	Polyester	White	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.25 (6.4)	5	39	195	26	10,000
PLL-14-Y2Y-5	Polyester	Yellow	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.25 (6.4)	5	39	195	26	5000
PLL-14-PO-5	Polyolefin	White	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.25 (6.4)	5	39	195	26	5000
PLL-14-POR-5	Remov. Polyolefin	White	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.25 (6.4)	5	39	195	26	5000
PLL-35-Y2S-2.5	Polyester	Silver	1.50 (38.1)	0.75 (19.1)	1.60 (40.6)	0.75 (19.1)	5	12	60	42	2500
PLL-35-PO-2.5	Polyolefin	White	1.50 (38.1)	0.75 (19.1)	1.60 (40.6)	0.75 (19.1)	5	12	60	42	2500
PLL-35-POR-2.5	Remov. Polyolefin	White	1.50 (38.1)	0.75 (19.1)	1.60 (40.6)	0.75 (19.1)	5	12	60	42	2500
PLL-15-Y2-5	Polyester	White	1.88 (47.6)	0.25 (6.4)	2.00 (50.8)	0.25 (6.4)	4	39	156	65	5000
PLL-15-Y2-10	Polyester	White	1.88 (47.6)	0.25 (6.4)	2.00 (50.8)	0.25 (6.4)	4	39	156	33	10,000
PLL-15-Y2Y-5	Polyester	Yellow	1.88 (47.6)	0.25 (6.4)	2.00 (50.8)	0.25 (6.4)	4	39	156	33	5000
PLL-16-Y2-2.5	Polyester	White	1.88 (47.6)	0.38 (9.5)	2.00 (50.8)	0.38 (9.5)	4	25	100	25	2500
PLL-16-Y2-5	Polyester	White	1.88 (47.6)	0.38 (9.5)	2.00 (50.8)	0.38 (9.5)	4	25	100	50	5000
PLL-16-Y2Y-2.5	Polyester	Yellow	1.88 (47.6)	0.38 (9.5)	2.00 (50.8)	0.38 (9.5)	4	25	100	25	2500
PLL-16-Y2Y-5	Polyester	Yellow	1.88 (47.6)	0.38 (9.5)	2.00 (50.8)	0.38 (9.5)	4	25	100	50	5000
PLL-16-PO-2.5	Polyolefin	White	1.88 (47.6)	0.38 (9.5)	2.00 (50.8)	0.38 (9.5)	4	25	100	25	2500
PLL-17-Y2-1	Polyester	White	1.88 (47.6)	0.83 (21.1)	2.00 (50.8)	0.83 (21.1)	4	11	44	23	1000
PLL-17-Y2-2.5	Polyester	White	1.88 (47.6)	0.83 (21.1)	2.00 (50.8)	0.83 (21.1)	4	11	44	57	2500
PLL-17-Y2Y-2.5	Polyester	Yellow	1.88 (47.6)	0.83 (21.1)	2.00 (50.8)	0.83 (21.1)	4	11	44	57	2500
PLL-17-PO-2.5	Polyolefin	White	1.88 (47.6)	0.83 (21.1)	2.00 (50.8)	0.83 (21.1)	4	11	44	57	2500

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Size (cont.)



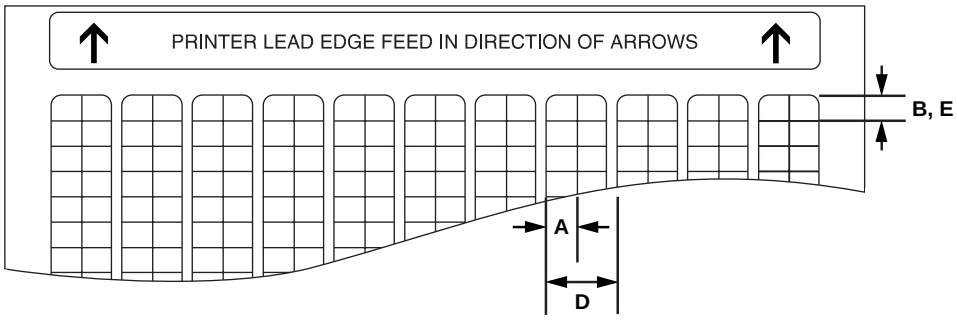
U.S. Letter Sheet Format
(8.5" x 11" / 215.9 mm x 279.4 mm)

Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg	Std. Pkg. Qty*
PLL-18-Y2-1	Polyester	White	1.88 (47.6)	1.33 (33.8)	2.00 (50.8)	1.33 (33.8)	4	7	28	36	1000
PLL-18-Y2-1.5	Polyester	White	1.88 (47.6)	1.33 (33.8)	2.00 (50.8)	1.33 (33.8)	4	7	28	54	1500
PLL-18-Y2Y-1	Polyester	Yellow	1.88 (47.6)	1.33 (33.8)	2.00 (50.8)	1.33 (33.8)	4	7	28	36	1000
PLL-18-Y2Y-1.5	Polyester	Yellow	1.88 (47.6)	1.33 (33.8)	2.00 (50.8)	1.33 (33.8)	4	7	28	54	1500
PLL-36-Y2-1	Polyester	White	2.50 (63.5)	1.00 (25.4)	2.60 (66.0)	1.00 (25.4)	3	9	27	38	1000
PLL-36-Y2S-1	Polyester	Silver	2.50 (63.5)	1.00 (25.4)	2.60 (66.0)	1.00 (25.4)	3	9	27	38	1000
PLL-36-PO-1	Polyolefin	White	2.50 (63.5)	1.00 (25.4)	2.60 (66.0)	1.00 (25.4)	3	9	27	38	1000
PLL-36-POR-1	Remov. Polyolefin	White	2.50 (63.5)	1.00 (25.4)	2.60 (66.0)	1.00 (25.4)	3	9	27	38	1000
PLL-26-Y2-1	Polyester	White	2.83 (72.0)	1.00 (25.4)	2.83 (72.0)	1.00 (25.4)	3	11	33	31	1000
PLL-27-Y2-1	Polyester	White	2.83 (72.0)	1.38 (34.9)	2.83 (72.0)	1.38 (34.9)	3	8	24	42	1000
PLL-28-Y2-1	Polyester	White	2.83 (72.0)	1.50 (38.1)	2.83 (72.0)	1.50 (38.1)	3	7	21	48	1000
PLL-19-Y2-1	Polyester	White	3.00 (76.2)	0.38 (9.5)	3.20 (81.3)	0.38 (9.5)	2	25	50	20	1000
PLL-19-Y2-2.5	Polyester	White	3.00 (76.2)	0.38 (9.5)	3.20 (81.3)	0.38 (9.5)	2	25	50	50	2500
PLL-19-Y2Y-1	Polyester	Yellow	3.00 (76.2)	0.38 (9.5)	3.20 (81.3)	0.38 (9.5)	2	25	50	20	1000
PLL-19-Y2Y-2.5	Polyester	Yellow	3.00 (76.2)	0.38 (9.5)	3.20 (81.3)	0.38 (9.5)	2	25	50	50	2500
PLL-19-POR-2.5	Remov. Polyolefin	White	3.00 (76.2)	0.38 (9.5)	3.20 (81.3)	0.38 (9.5)	2	25	50	50	2500
PLL-29-Y2-1	Polyester	White	4.25 (108.0)	2.00 (50.8)	4.25 (108.0)	2.00 (50.8)	2	5	10	100	1000
PLL-22-Y2-1	Polyester	White	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-Y3-1	Polyester	Clear	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1	Polyolefin	White	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1B	Polyolefin	Blue	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1BR	Polyolefin	Brown	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1G	Polyolefin	Green	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1GR	Polyolefin	Gray	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1OR	Polyolefin	Orange	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1PR	Polyolefin	Purple	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1R	Polyolefin	Red	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-22-PO-1Y	Polyolefin	Yellow	7.88 (200.0)	0.50 (12.7)	—	0.50 (12.7)	1	20	20	50	1000
PLL-25-Y2-SH	Polyester	White	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25
PLL-25-Y2S-SH	Polyester	Silver	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25
PLL-25-Y2Y-SH	Polyester	Yellow	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25
PLL-25-Y3C-SH	Polyester	Clear	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25
PLL-25-PO-SH	Polyolefin	White	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25
PLL-25-POR-SH	Remov. Polyolefin	White	8.50 (215.9)	11.00 (279.4)	—	—	1	1	1	25	25

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Size (cont.)

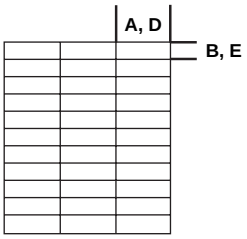
Multiple Across – Double Butt-Cut



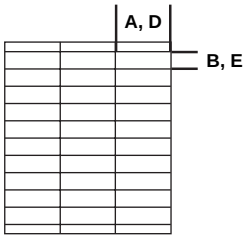
Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg	Std. Pkg. Qty*
PLL-30-Y2-10	Polyester	White	0.25 (6.4)	0.25 (6.4)	0.60 (15.2)	0.25 (6.4)	26	36	936	11	10,000
PLL-1-Y2-10	Polyester	White	0.30 (7.6)	0.25 (6.4)	0.70 (17.8)	0.25 (6.4)	22	38	836	12	10,000
PLL-1-Y2Y-10	Polyester	Yellow	0.30 (7.6)	0.25 (6.4)	0.70 (17.8)	0.25 (6.4)	22	38	836	12	10,000

*Order number of labels required in multiples of Std. Pkg. Qty.

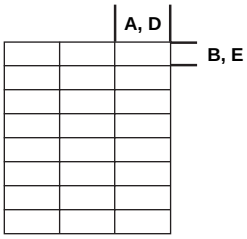
Blank Paper Labels (LL) - Drawings and Specifications



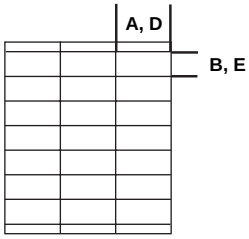
LL2561-100, 250, 500



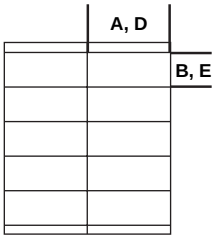
LL2561-100G



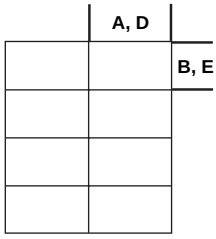
LL2561138-100



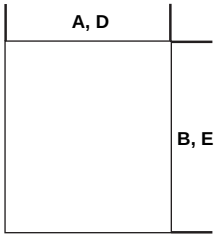
LL25615-100G



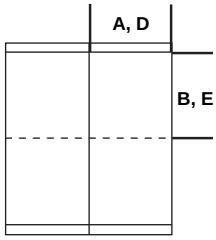
LL4252-100G



LL42575-250



LL8511-100

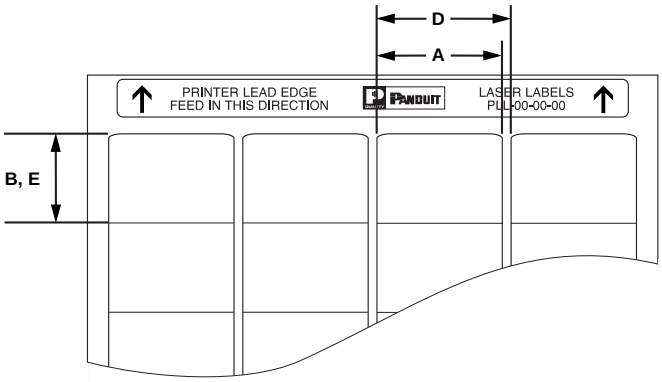


LL42513-100G

Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg	Labels Per Pkg.	Std. Pkg. Qty*
LL2561-100G	Litho Paper	White	2.83 (72.0)	1.00 (25.4)	2.83 (72.0)	1.00 (25.4)	3	10	30	100	3000	1 Pkg.
LL2561-100	Litho Paper	White	2.83 (72.0)	1.00 (25.4)	2.83 (72.0)	1.00 (25.4)	3	11	33	100	3300	1 Pkg.
LL2561-250	Litho Paper	White	2.83 (72.0)	1.00 (25.4)	2.83 (72.0)	1.00 (25.4)	3	11	33	250	8250	1 Pkg.
LL2561-500	Litho Paper	White	2.83 (72.0)	1.00 (25.4)	2.83 (72.0)	1.00 (25.4)	3	11	33	500	16,500	1 Pkg.
LL256138-100	Litho Paper	White	2.83 (72.0)	1.38 (34.9)	2.83 (72.0)	1.38 (34.9)	3	8	24	100	2400	1 Pkg.
LL25615-100G	Litho Paper	White	2.83 (72.0)	1.50 (38.1)	2.83 (72.0)	1.50 (38.1)	3	7	21	100	2100	1 Pkg.
LL4252-100G	Litho Paper	White	4.25 (108.0)	2.00 (50.8)	4.25 (108.0)	2.00 (50.8)	2	5	10	100	1000	1 Pkg.
LL425275-250	Litho Paper	White	4.25 (108.0)	2.75 (69.9)	4.25 (108.0)	2.75 (69.9)	2	4	8	250	2000	1 Pkg.
LL42513-100G	Litho Paper	White	4.25 (108.0)	13.00 (330.2)	4.25 (108.0)	13.00 (330.2)	2	2	4	100	400	1 Pkg.
LL8511-100	Litho Paper	White	8.50 (215.9)	11.00 (279.4)	8.50 (215.9)	11.00 (279.4)	1	1	1	100	100	1 Pkg.

"G" in above part numbers indicates gripper areas (top and bottom margins per sheet), not available for printing.
*Order number of packages required in multiples of Std. Pkg. Qty.

Blank Labels by Size (cont.)

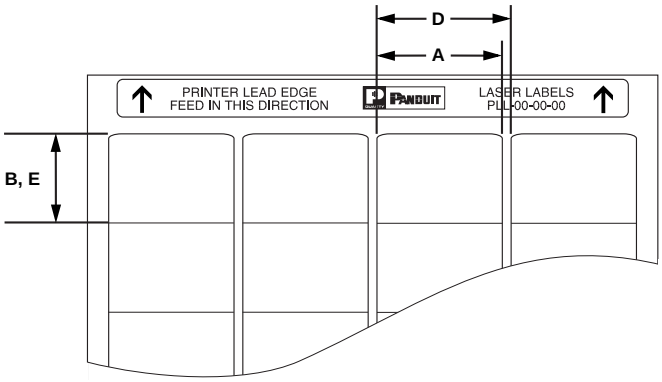


DIN A4 Sheet Format
(8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg	Std. Pkg. Qty*
PEL-25-Y2Y-10	Polyester	Yellow	0.35 (9.0)	0.59 (15.0)	0.35 (9.0)	0.59 (15.0)	12	31	372	27	10,000
PEL-26-Y2Y-5	Polyester	Yellow	0.43 (11.0)	0.75 (19.1)	0.43 (11.0)	0.75 (19.1)	10	25	250	20	5000
PEL-27-Y2Y-5	Polyester	Yellow	0.43 (11.0)	1.50 (38.1)	0.43 (11.0)	1.50 (38.1)	5	25	125	40	5000
PEL-9-Y1-10	Polyester	Silver	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	14	22	308	33	10,000
PEL-9-Y2-10	Polyester	White	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	14	22	308	33	10,000
PEL-9-Y1C-10	Tamper Evident Polyester	Silver	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	14	22	308	33	10,000
PEL-29-Y2-10	Polyester	White	0.56 (14.3)	0.25 (6.4)	0.56 (14.3)	0.25 (6.4)	13	43	559	18	10,000
PEL-29-Y3M-10	Polyester	Matte Clear	0.56 (14.3)	0.25 (6.4)	0.56 (14.3)	0.25 (6.4)	13	43	559	18	10,000
PEL-28-Y2-5	Polyester	White	0.56 (14.3)	0.56 (14.3)	0.56 (14.3)	0.56 (14.3)	13	19	247	41	5000
PEL-28-Y3M-5	Polyester	Matte Clear	0.56 (14.3)	0.56 (14.3)	0.56 (14.3)	0.56 (14.3)	13	19	247	41	5000
PEL-1-Y1-10	Polyester	Silver	0.70 (17.8)	0.25 (6.4)	0.70 (17.8)	0.25 (6.4)	10	45	450	23	10,000
PEL-1-Y2-10	Polyester	White	0.70 (17.8)	0.25 (6.4)	0.70 (17.8)	0.25 (6.4)	10	45	450	23	10,000
PEL-4-Y1-10	Polyester	Silver	0.70 (17.8)	0.33 (8.5)	0.70 (17.8)	0.33 (8.5)	10	33	330	31	10,000
PEL-4-Y2-10	Polyester	White	0.70 (17.8)	0.33 (8.5)	0.70 (17.8)	0.33 (8.5)	10	33	330	31	10,000
PEL-4-Y2Y-10	Polyester	Yellow	0.70 (17.8)	0.33 (8.5)	0.70 (17.8)	0.33 (8.5)	10	33	330	31	10,000
PEL-4-Y1C-10	Tamper Evident Polyester	Silver	0.70 (17.8)	0.33 (8.5)	0.70 (17.8)	0.33 (8.5)	10	33	330	31	10,000
PEL-10-Y1-5	Polyester	Silver	0.70 (17.8)	0.50 (12.7)	0.70 (17.8)	0.50 (12.7)	10	22	220	23	5000
PEL-10-Y2-5	Polyester	White	0.70 (17.8)	0.50 (12.7)	0.70 (17.8)	0.50 (12.7)	10	22	220	23	5000
PEL-10-Y2Y-5	Polyester	Yellow	0.70 (17.8)	0.50 (12.7)	0.70 (17.8)	0.50 (12.7)	10	22	220	23	5000
PEL-10-Y3M-5	Polyester	Matte Clear	0.70 (17.8)	0.50 (12.7)	0.70 (17.8)	0.50 (12.7)	10	22	220	23	5000
PEL-24-Y2Y-10	Polyester	Yellow	0.79 (20.0)	0.31 (8.0)	0.79 (20.2)	0.31 (8.0)	9	35	315	32	10,000
PEL-5-Y1-10	Polyester	Silver	0.80 (20.3)	0.33 (8.5)	0.80 (20.3)	0.33 (8.5)	9	33	297	34	10,000
PEL-5-Y2-10	Polyester	White	0.80 (20.3)	0.33 (8.5)	0.80 (20.3)	0.33 (8.5)	9	33	297	34	10,000
PEL-5-Y2Y-10	Polyester	Yellow	0.80 (20.3)	0.33 (8.5)	0.80 (20.3)	0.33 (8.5)	9	33	297	34	10,000
PEL-2-Y1-10	Polyester	Silver	1.00 (25.4)	0.25 (6.4)	1.00 (25.4)	0.25 (6.4)	7	45	315	32	10,000
PEL-2-Y2-10	Polyester	White	1.00 (25.4)	0.25 (6.4)	1.00 (25.4)	0.25 (6.4)	7	45	315	32	10,000
PEL-2-Y2Y-10	Polyester	Yellow	1.00 (25.4)	0.25 (6.4)	1.00 (25.4)	0.25 (6.4)	7	45	315	32	10,000
PEL-2-Y3M-10	Polyester	Matte Clear	1.00 (25.4)	0.25 (6.4)	1.00 (25.4)	0.25 (6.4)	7	45	315	32	10,000
PEL-6-Y1-5	Polyester	Silver	1.00 (25.4)	0.33 (8.5)	1.00 (25.4)	0.33 (8.5)	7	33	231	22	5000
PEL-6-Y2-5	Polyester	White	1.00 (25.4)	0.33 (8.5)	1.00 (25.4)	0.33 (8.5)	7	33	231	22	5000
PEL-6-Y1C-5	Tamper Evident Polyester	Silver	1.00 (25.4)	0.33 (8.5)	1.00 (25.4)	0.33 (8.5)	7	33	231	22	5000
PEL-11-Y1-5	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	7	22	154	33	5000
PEL-11-Y2-5	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	7	22	154	33	5000
PEL-11-Y2Y-5	Polyester	Yellow	1.00 (25.4)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	7	22	154	33	5000
PEL-11-Y1C-5	Tamper Evident Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	7	22	154	33	5000

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Size



DIN A4 Sheet Format
(8.26" x 11.69" / 210 mm x 297 mm)

Part Number	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	No. of Col.	No. of Rows	Labels Per Sheet	Sheets Per Pkg	Std. Pkg. Qty*
PESS-SEL has Static Sensitive Warning printed on top half of label (see drawing below).											
PESS-SEL	Polyester	Yellow	1.00 (25.4)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	7	22	154	33	2500
PEL-3-Y1-5	Polyester	Silver	1.44 (36.5)	0.25 (6.4)	1.44 (36.5)	0.25 (6.4)	5	45	225	23	5000
PEL-3-Y2-5	Polyester	White	1.44 (36.5)	0.25 (6.4)	1.44 (36.5)	0.25 (6.4)	5	45	225	23	5000
PEL-3-Y1C-5	Tamper Evident Polyester	Silver	1.44 (36.5)	0.25 (6.4)	1.44 (36.5)	0.25 (6.4)	5	45	225	23	5000
PEL-7-Y1-5	Polyester	Silver	1.50 (38.1)	0.33 (8.5)	1.50 (38.1)	0.33 (8.5)	5	33	165	31	5000
PEL-7-Y2-5	Polyester	White	1.50 (38.1)	0.33 (8.5)	1.50 (38.1)	0.33 (8.5)	5	33	165	31	5000
PEL-7-Y2Y-5	Polyester	Yellow	1.50 (38.1)	0.33 (8.5)	1.50 (38.1)	0.33 (8.5)	5	33	165	31	5000
PEL-7-Y3M-5	Polyester	Matte Clear	1.50 (38.1)	0.33 (8.5)	1.50 (38.1)	0.33 (8.5)	5	33	165	31	5000
PEL-12-Y1-2.5	Polyester	Silver	1.50 (38.1)	0.50 (12.7)	1.50 (38.1)	0.50 (12.7)	5	22	110	23	2500
PEL-12-Y2-2.5	Polyester	White	1.50 (38.1)	0.50 (12.7)	1.50 (38.1)	0.50 (12.7)	5	22	110	23	2500
PEL-12-Y2Y-2.5	Polyester	Yellow	1.50 (38.1)	0.50 (12.7)	1.50 (38.1)	0.50 (12.7)	5	22	110	23	2500
PEL-8-Y1-2.5	Polyester	Silver	2.00 (50.8)	0.33 (8.5)	2.00 (50.8)	0.33 (8.5)	3	33	99	26	2500
PEL-8-Y2-2.5	Polyester	White	2.00 (50.8)	0.33 (8.5)	2.00 (50.8)	0.33 (8.5)	3	33	99	26	2500
PEL-8-Y1C-2.5	Tamper Evident Polyester	Silver	2.00 (50.8)	0.33 (8.5)	2.00 (50.8)	0.33 (8.5)	3	33	99	26	2500
PEL-13-Y1-2.5	Polyester	Silver	2.00 (50.8)	0.50 (12.7)	2.00 (50.8)	0.50 (12.7)	3	22	66	38	2500
PEL-13-Y2-2.5	Polyester	White	2.00 (50.8)	0.50 (12.7)	2.00 (50.8)	0.50 (12.7)	3	22	66	38	2500
PEL-14-Y1-1	Polyester	Silver	2.00 (50.8)	0.83 (21.1)	2.00 (50.8)	0.83 (21.1)	3	13	39	26	1000
PEL-14-Y2-1	Polyester	White	2.00 (50.8)	0.83 (21.1)	2.00 (50.8)	0.83 (21.1)	3	13	39	26	1000
PEL-15-Y1-1	Polyester	Silver	2.00 (50.8)	1.00 (25.4)	2.00 (50.8)	1.00 (25.4)	3	11	33	31	1000
PEL-15-Y2-1	Polyester	White	2.00 (50.8)	1.00 (25.4)	2.00 (50.8)	1.00 (25.4)	3	11	33	31	1000
PEL-15-Y2Y-1	Polyester	Yellow	2.00 (50.8)	1.00 (25.4)	2.00 (50.8)	1.00 (25.4)	3	11	33	31	1000
PEL-15-Y1C-1	Tamper Evident Polyester	Silver	2.00 (50.8)	1.00 (25.4)	2.00 (50.8)	1.00 (25.4)	3	11	33	31	1000
PEL-16-Y1-0.5	Polyester	Silver	2.50 (63.5)	1.33 (33.8)	2.50 (63.5)	1.33 (33.9)	3	8	24	21	500
PEL-16-Y2-0.5	Polyester	White	2.50 (63.5)	1.33 (33.8)	2.50 (63.5)	1.33 (33.9)	3	8	24	21	500
PEL-16-Y1C-0.5	Tamper Evident Polyester	Silver	2.50 (63.5)	1.33 (33.8)	2.50 (63.5)	1.33 (33.9)	3	8	24	21	500
PEL-A4-Y1-25	Polyester	Silver	8.27 (210.0)	11.69 (297.0)	—	—	1	1	1	25	25
PEL-A4-Y2-25	Polyester	White	8.27 (210.0)	11.69 (297.0)	—	—	1	1	1	25	25
PEL-A4-Y2Y-25	Polyester	Yellow	8.27 (210.0)	11.69 (297.0)	—	—	1	1	1	25	25
PEL-A4-Y3-25	Polyester	Clear	8.27 (210.0)	11.69 (297.0)	—	—	1	1	1	25	25
PEL-A4-Y3M-25	Polyester	Matte Clear	8.27 (210.0)	11.69 (297.0)	—	—	1	1	1	25	25
PEL-A4-Y1C-25	Tamper Evident Polyester	Silver	8.27 (210.0)	11.69 (297.0)	—	—	1	1	1	25	25

PESS-SEL

*Order number of labels required in multiples of Std. Pkg. Qty.

Dot-Matrix Labeling Products

Dot-Matrix Labels Pages 80 to 121

- Available in three types to be used with Panduit PTR1 Dot-Matrix Printer (see pg. 17) or other dot-matrix printers
- Easy to align and user friendly
- Mark wires, circuit boards, bins and use for a wide variety of other labeling applications
- Choose from over 120 different sizes and 14 different materials

Dot-Matrix Heat Shrink Labels Pages 122 to 123

- Heat Shrink Data Label Kits which allow user to create subsurface printed heat shrink markers without the use of special printers
- Full line of heat shrink tools and accessories for use with all Panduit heat shrink markers

Dot-Matrix Data Plates Pages 124 to 125

- Non-adhesive tags to be used with Panduit PTR1 Dot-Matrix Printer (see pg. 17) or other dot-matrix printers
- Mark wires, cables, equipment, inventory and use for a wide variety of other applications where an adhesive label is not suitable
- Fasten Panduit Data Plates with Panduit Intermediate or Standard cross section cable ties

Indelible Ink Ribbons Pages 126 to 128

- Used to print on non-porous materials to eliminate smearing
- Used on any material to reduce fading caused by exposure to UV rays

Marker Ties and Marker Plates Pages 129 to 130

- Fasten and identify all types of wire and cable bundles at the same time

Dot-Matrix Labels – Introduction

Panduit Dot-Matrix Labels are used for a wide variety of identification purposes and are available in an extensive choice of materials, styles and sizes.

Features	Benefits
• Widest selection of materials in the industry that provide weather and chemical resistance and withstand temperature extremes, radiation and UV exposure	• Labels to meet your most critical requirements
• Most extensive choice of sizes and styles	• A label is available for every application
• Compatible with your own computer equipment	• No waiting — produce as many labels as you need exactly when you need them
• Eliminates the need for large inventories of custom labels	• Economical, cost effective

Choose from three types of Panduit Dot-Matrix Labels that are easy to align in your printer and easy to use:

Self-Laminating Labels

These labels are mainly used for marking wires and cables. Print on the white print-on area, then wrap the clear over-laminate over the legend to protect your legend.

Panduit Self-Laminating Labels are available in three materials. See **page 84** for complete material specifications.

Blank Labels

Panduit Blank Labels are used for a wide variety of applications from marking wires to identifying product through a wave solder process. Labels are produced in specific sizes for different applications.

See **page 84** for complete material specifications.

Litho Paper Labels

Used for permanent marking, Litho Paper Labels are made of paper with permanent adhesive. These Labels are available in common sizes and are frequently used for mailing, packaging and other high volume applications.

Suggested Applications for Dot-Matrix Labels

Marking Wires and Cables

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMV3 Self-Laminating Vinyl	White / Clear	Indoor	85- 86
GMVF Self-Laminating Vinyl Free Polyolefin	White / Clear	Indoor	86
GMT1 Self-Laminating TEDLAR ▲	White / Clear	Indoor / Outdoor	87
GMC Vinyl Cloth	White	Indoor	88-89
GMC-FR Flame Ret. Cloth	White	Indoor	90
GMP1 Destructible Paper	White	Indoor	91
GMV Vinyl	White	Indoor	92
GMT TEDLAR	White	Indoor / Outdoor	92-93

Flat Ribbon Cable Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMV3 Self-Laminating Vinyl	White / Clear	Indoor	85- 86
GMVF Self-Laminating Vinyl Free Polyolefin	White / Clear	Indoor	86
GMT1 Self-Laminating TEDLAR	White / Clear	Indoor / Outdoor	87

Electronic Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMC Vinyl Cloth	White	Indoor	88-89
GMK Polyimide	Amber	Indoor / High Temperature	90
GMP Removable Paper	White	Indoor	91
GMP1 Destructible Paper	White	Indoor	91
GMV Vinyl	White	Indoor	92
GMV10 Destructible Vinyl	White	Indoor	92
GMT TEDLAR	White	Indoor / Outdoor	92-93
GMY-C Polyester	Clear	Indoor / Outdoor	94
GMY-W Polyester	White	Indoor / Outdoor	94-95
GMY-S Polyester	Silver	Indoor / Outdoor	96

Terminal Block Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMC Vinyl Cloth	White	Indoor	88-89
GMV Vinyl	White	Indoor	92
GMT TEDLAR	White	Indoor / Outdoor	92-93
GMY-W Polyester	White	Indoor / Outdoor	94-95

▲TEDLAR is the registered trademark of E. I. DuPont Co.

See Material Selection Guide on page 84 for complete material specifications.

Suggested Applications for Dot-Matrix Labels

Motor Control Labeling — Medium / High Temperature Applications

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMV Vinyl	White	Indoor	92
GMY-C Polyester	Clear	Indoor / Outdoor	94
GMY-W Polyester	White	Indoor / Outdoor	94-95
GMY-S Polyester	Silver	Indoor / Outdoor	96

Bar Code Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP Removable Paper	White	Indoor	91
GMP1 Destructible Paper	White	Indoor	91
GMY-C Polyester	Clear	Indoor / Outdoor	94
GMY-W Polyester	White	Indoor / Outdoor	94-95

Bin Labels

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMC Vinyl Cloth	White and Yellow	Indoor	88-89

Tamper Evident Labeling Applications

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMP1 Destructible Paper	White	Indoor	91
GMV10 Destructible Vinyl	White	Indoor	92

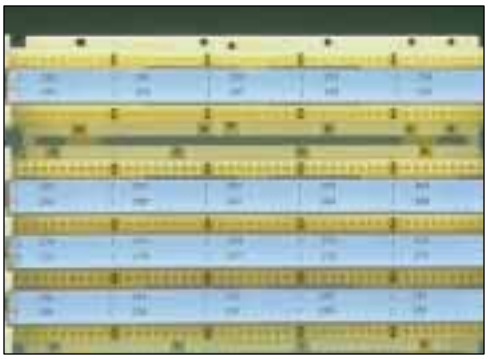
See Material Selection Guide on page 84 for complete material specifications.

Suggested Applications for Dot-Matrix Labels

Harsh Environment Labeling

Recommended Materials

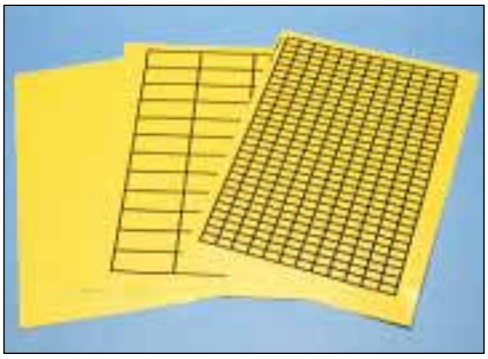
Material	Color	Usage	Part Number Listing on Page
GMA Aluminum	Silver	Indoor	90
GMT TEDLAR▲	White	Indoor / Outdoor	92-93
GMY-C Polyester	Clear	Indoor / Outdoor	94
GMY-W Polyester	White	Indoor / Outdoor	94-95
GMY-S Polyester	Silver	Indoor / Outdoor	96



Network Systems Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMV3 Self-Laminating Vinyl	White / Clear	Indoor	97
GMT Self-Laminating TEDLAR	White / Clear	Indoor / Outdoor	97
GMV Vinyl	White	Indoor	98 - 100
GMPO Polyolefin	White	Indoor	98 - 100
GMY-C Polyester	Clear	Indoor / Outdoor	98 - 100
GMY-W Polyester	White	Indoor / Outdoor	98 - 100



Machinery Materials Identification

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
GMC Vinyl Cloth	White and Yellow	Indoor	101

General Labeling

Recommended Materials

Material	Color	Usage	Part Number Listing on Page
Litho Paper	White	Indoor	103 - 105

▲TEDLAR is the registered trademark of E. I. DuPont Co.

See Material Selection Guide on page 84 for complete material specifications.

Dot-Matrix Label Material Selection Guide

Choose the material that best suits your application:

Self-Laminating Materials

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec	CSA
GMV3	Self-Laminating Vinyl	-40°F to 150°F (-40°C to 66°C)	Preferred material for most general wire and cable labeling; thin, conformable material	Clear w/ White Print-On Area	No	No	Yes	Yes
GMVF	Self-Laminating Vinyl Free Polyolefin	-20°F to 140°F (-29°C to 60°C)	Vinyl free material meets CONEG (No heavy metals) and European Market Requirements	Clear w/ White Print-On Area	No	No	No	No
GMT1	Self-Laminating TEDLAR▲	0°F to 275°F (-18°C to 135°C)	Self-extinguishing, outdoor rated material; ideal for wire and cable labeling in harsh environments	Clear w/ White Print-On Area	Yes	Yes	Yes	Yes

Blank Materials

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec	CSA
—	Litho Paper	-65°F to 200°F (-54°C to 93°C)	Highly ink receptive material for economical printing in indoor applications	White	No	No	No	No
GMA	Aluminum	-65°F to 300°F (-54°C to 149°C)	Embossed legend ideal for rating plates; resistant to fungus, solvents, and high temperatures	Silver	No	Yes	Yes	Yes
GMC	Vinyl Cloth	-50°F to 170°F (-46°C to 77°C)	Repositionable adhesive allows label to be removed and reused or used in temporary applications	White	No	No	No	No
GMC-FR	Flame Retardant Cloth	-40°F to 250°F (-40°C to 121°C)	Polymer coated cloth for non-adhesive Rag Tag Labels; Flame retardant material meets U.L 94-VTM0	White	No	No	No	No
GMK	Polyimide	-40°F to 350°F (-40°C to 177°C)	For applications requiring solvent and high temperature resistance, such as the wave solder process	Amber	No	Yes	Yes	No
GMP	Removable Paper	0°F to 120°F (-18°C to 49°C)	Removable adhesive is ideal for temporary marking; labels provide good contrast for bar code scanning	White	No	No	No	No
GMP1	Destructible Paper	-65°F to 200°F (-54°C to 93°C)	Label will destruct upon removal; for permanent and tamper resistant labeling applications	White	No	No	No	No
GMPO	Polyolefin	-50°F to 120°F (-46°C to 49°C)	Excellent print quality	White	No	No	No	No
GMV	Vinyl	-0°F to 170°F (-18°C to 77°C)	Low cost, conformable material for wire marking applications	White	No	No	Yes	Yes
GMV9	Semi-Rigid Vinyl	-20°F to 176°F (-29°C to 80°C)	Non-adhesive material for high quality tag and marker plate applications	White	No	No	No	No
GMV10	Destructible Vinyl	-65°F to 200°F (-54°C to 93°C)	Destructible material ideal for tamper evident applications; damages most surfaces upon removal of label	White	Yes	No	No	No
GMT	TEDLAR	-40°F to 275°F (-40°C to 135°C)	Self-extinguishing film for high quality indoor/outdoor, high temperature labels	White	Yes	Yes	Yes	Yes
GMY-C	Polyester	-40°F to 311°F (-40°C to 154°C)	Provides durability, high temperature resistance, and dimensional stability; Use on colored or clear surface	Clear	Yes	Yes	No	No
GMY-W	Polyester	-40°F to 311°F (-40°C to 154°C)	Provides durability, high temperature resistance, and dimensional stability	White	Yes	Yes	Yes	Yes
GMY-S	Polyester	-40°F to 311°F (-40°C to 154°C)	Metallized polyester provides opacity, durability, high temperature resistance, and dimensional stability	Silver	Yes	Yes	Yes	Yes

▲TEDLAR is the registered trademark of E. I. DuPont Co.

Self-Laminating Labels by Material

GMV3 Self-Laminating Vinyl Labels - Indoor Applications

- Print on the white label area and over-laminate with clear portion for permanent, clean identification
- Preferred material chosen for most OEM and MRO wire marking applications
- Some sizes are available with a colored strip for group identification

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ■ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-239	GMV3 Self-Laminating Vinyl	White	0.30 x 0.75 (7.6 x 19.1)	0.30 x 0.38 (7.6 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	106	5000
PDL-241		White	0.30 x 0.94 (7.6 x 23.8)	0.30 x 0.38 (7.6 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	106	5000
PDL-168		White	0.36 x 0.94 (9.1 x 23.8)	0.36 x 0.38 (9.14 x 9.5)		106	5000
PDL-117		White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	106	5000
PDL-42		White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)		106	5000
PDL-42-10		White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)		106	10,000
PDL-243		White	0.50 x 0.94 (12.7 x 23.8)	0.50 x 0.38 (12.7 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	106	5000
PDL-1-1		White	0.50 x 1.44 (12.7 x 36.5)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	106	1000
PDL-1†		White	0.50 x 1.44 (12.7 x 36.5)	0.50 x 0.50 (12.7 x 12.7)		106	5000
PDL-1-10		White	0.50 x 1.44 (12.7 x 36.5)	0.50 x 0.50 (12.7 x 12.7)		106	10,000
PDL-12		White	0.50 x 1.44 (12.7 x 36.5)	0.50 x 0.50 (12.7 x 12.7)		106	5000
PDL-6556-2		White	0.60 x 1.44 (15.2 x 36.5)	0.60 x 0.50 (15.2 x 12.7)		106	5000
PDL-245-1		White	0.75 x 1.75 (19.1 x 44.5)	0.75 x 0.50 (19.1 x 12.7)	0.16 - 0.40 (4.0 - 10.1)	107	1000
PDL-245		White	0.75 x 1.75 (19.1 x 44.5)	0.75 x 0.50 (19.1 x 12.7)		107	5000
PDL-245-10		White	0.75 x 1.75 (19.1 x 44.5)	0.75 x 0.50 (19.1 x 12.7)		107	10,000
PDL-247		White	0.80 x 0.94 (20.3 x 23.8)	0.80 x 0.38 (20.3 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	107	5000
PDL-8-1		White	0.80 x 1.44 (20.3 x 36.5)	0.80 x 0.50 (20.3 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	107	1000
PDL-8†		White	0.80 x 1.44 (20.3 x 36.5)	0.80 x 0.50 (20.3 x 12.7)		107	5000
PDL-8-10		White	0.80 x 1.44 (20.3 x 36.5)	0.80 x 0.50 (20.3 x 12.7)		107	10,000
PDL-5859-2		White	0.82 x 2.00 (20.8 x 50.8)	0.82 x 0.63 (20.8 x 15.9)	0.20 - 0.44 (5.1 - 11.1)	107	5000
PDL-5859-4		Yellow	0.82 x 2.00 (20.8 x 50.8)	0.82 x 0.63 (20.8 x 15.9)		107	5000
PDL-249-1		White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	107	1000
PDL-249		White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)		107	5000
PDL-249-10		White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)		107	10,000
PDL-251		White	1.00 x 0.94 (25.4 x 23.8)	1.00 x 0.38 (25.4 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	107	5000
PDL-2-1		White	1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	108	1000
PDL-2†		White	1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)		108	5000
PDL-2-10		White	1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)		108	10,000
PDL-9025-10		White	1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.62 (25.4 x 15.8)	0.20 - 0.26 (5.0 - 6.6)	108	10,000
PDL-4†		White	1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	108	1000
PDL-4-10		White	1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)		108	10,000
PDL-6†		White	1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	109	1000
PDL-6-2.5		White	1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)		109	2500
PDL-6-10		White	1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)		109	10,000
PDL-124		White	1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	0.48 - 1.41 (12.1 - 35.9)	109	1000
PDL-124-2.5		White	1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)		109	2500
PDL-124-10		White	1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)		109	10,000
PDL-51		White	1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)		109	1000
PDL-126		White	1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	0.48 - 1.89 (12.1 - 48.0)	109	1000
PDL-126-10		White	1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)		109	10,000
PDL-52		White	1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)		109	1000
PDL-52-2.5		White	1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)		109	2500

■ Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
†Labels available with colored strip on left hand side of label; to order, add the following letter to part number: B for Blue, BR for Brown, G for Green, GR for Gray, OR for Orange, PR for Purple, R for Red, Y for Yellow.

More sizes shown on the following page

*Order number of labels required in multiples of Std. Pkg. Qty.

Self-Laminating Labels by Material (cont.)

GMV3 Self-Laminating Vinyl Labels - Indoor Applications (cont.)

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ▪ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-5859-1	GMV3 Self-Laminating Vinyl	White	1.13 x 3.75 (28.6 x 95.3)	1.13 x 1.25 (28.6 x 31.8)	0.40 - 0.80 (1.1 - 20.2)	109	5000
PDL-5859-3		Yellow	1.13 x 3.75 (28.6 x 95.3)	1.13 x 1.25 (28.6 x 31.8)		109	5000
CCS-WHT		White	1.17 x 3.00 (29.6 x 76.2)	1.17 x 0.83 (29.6 x 21.2)	0.26 - 0.69 (6.6 - 17.5)	109	5000
CCS-YEL		Yellow	1.17 x 3.00 (29.6 x 76.2)	1.17 x 0.83 (29.6 x 21.2)		109	5000
PDL-6626-10		White	1.20 x 2.25 (30.5 x 57.2)	1.20 x 0.60 (30.5 x 15.2)	0.19 - 0.53 (4.9 - 13.3)	109	10,000
PDL-3523-1		White	1.50 x 2.25 (38.1 x 57.2)	1.50 x 0.50 (38.1 x 12.7)	0.16 - 0.56 (4.0 - 14.2)	109	1000
PDL-361-1		White	1.50 x 3.63 (38.1 x 92.1)	1.50 x 0.80 (38.1 x 20.3)	0.25 - 0.90 (6.5 - 22.9)	109	1000
PDL-109		White	1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	0.24 - 0.78 (6.1 - 19.7)	110	1000
PDL-109-2.5		White	1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)		110	2500
PDL-18		White	1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)		110	1000
PDL-18-2.5		White	1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)		110	2500
PDL-18-10		White	1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)		110	10,000
PDL-3-1		White	2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	110	1000
PDL-3†		White	2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)		110	5000
PDL-3-10		White	2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)		110	10,000
PDL-5†		White	2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	110	1000
PDL-5-2.5		White	2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)		110	2500
PDL-5-10		White	2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)		110	10,000
PDL-7††		White	2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	111	1000
PDL-7-2.5		White	2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)		111	2500
PDL-7-10		White	2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)		111	10,000
PDL-133		White	2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	0.48 - 1.41 (12.1 - 35.9)	111	1000
PDL-16		White	2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)		111	1000
PDL-16-2.5		White	2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)		111	2500
PDL-16-10		White	2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)		111	10,000
PDL-115		White	2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	0.48 - 1.89 (12.1 - 48.0)	111	1000
PDL-115-2.5		White	2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)		111	2500
PDL-17		White	2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)		111	1000
PDL-17-2.5		White	2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)		111	2500
PDL-362-1		White	2.00 x 9.00 (50.8 x 228.6)	2.00 x 1.50 (50.8 x 38.1)	0.48 - 2.39 (12.1 - 60.7)	111	1000

▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
†Labels available with colored strip on left hand side of label; to order, add the following letter to part number: B for Blue, BR for Brown, G for Green, GR for Gray, OR for Orange, PR for Purple, R for Red, Y for Yellow.
††Labels available with colored strip on left hand side of label; to order, add the following letter to part number: B for Blue, G for Green, R for Red, Y for Yellow.

GMVF Self-Laminating Vinyl Free Polyolefin Labels - Indoor Applications

- Environmentally friendly material
- Material meets European Market Requirements (no heavy metals)

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ▪ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-239VF	GMVF Self-Laminating Vinyl Free	White	0.30 x 0.75 (7.6 x 19.1)	0.30 x 0.38 (7.6 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	106	5000
PDL-1VF		White	0.50 x 1.44 (12.7 x 36.5)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	106	5000
PDL-8VF		White	0.80 x 1.44 (20.3 x 36.5)	0.80 x 0.50 (20.3 x 12.7)		107	5000
PDL-249VF		White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	107	5000
PDL-2VF		White	1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	108	5000
PDL-4VF		White	1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	108	1000
PDL-6VF		White	1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	109	1000
PDL-3VF		White	2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	110	5000
PDL-5VF-10		White	2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	110	10,000
PDL-7VF		White	2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	111	1000

▪Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

*Order number of labels required in multiples of Std. Pkg. Qty.

Self-Laminating Labels by Material (cont.)

GMT1 Self-Laminating TEDLAR▲ Labels - Indoor / Outdoor Applications

- Preferred material for construction, utility and high temperature applications
- Self-extinguishing and exceeds 94V-0 flammability requirements
- Some sizes are available with a colored strip for group identification
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**

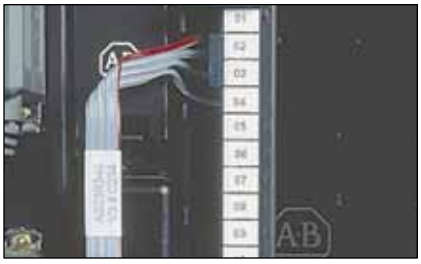
Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter■ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-238	GMT1 Self-Laminating TEDLAR▲	White	0.30 x 0.75 (7.6 x 19.1)	0.30 x 0.38 (7.6 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	106	5000
PDL-240		White	0.30 x 0.94 (7.6 x 23.8)	0.30 x 0.38 (7.6 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	106	5000
PDL-169		White	0.36 x 0.94 (9.14 x 23.8)	0.36 x 0.38 (9.14 x 9.5)		106	5000
PDL-118-1		White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	106	1000
PDL-118		White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)		106	5000
PDL-118-10		White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)		106	10,000
PDL-88		White	0.50 x 0.75 (12.7 x 19.1)	0.50 x 0.38 (12.7 x 9.5)		106	5000
PDL-242		White	0.50 x 0.94 (12.7 x 23.8)	0.50 x 0.38 (12.7 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	106	5000
PDL-53†		White	0.50 x 1.38 (12.7 x 34.9)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.28 (4.0 - 7.1)	106	5000
PDL-53-10		White	0.50 x 1.38 (12.7 x 34.9)	0.50 x 0.50 (12.7 x 12.7)		106	10,000
PDL-61		White	0.50 x 1.44 (12.7 x 36.5)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	106	5000
PDL-244		White	0.75 x 1.75 (19.1 x 44.5)	0.75 x 0.50 (19.1 x 12.7)	0.16 - 0.40 (4.0 - 10.1)	107	5000
PDL-246		White	0.80 x 0.94 (20.3 x 23.8)	0.80 x 0.38 (20.3 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	107	5000
PDL-60†		White	0.80 x 1.44 (20.3 x 36.5)	0.80 x 0.50 (20.3 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	107	5000
PDL-248		White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 0.38 (25.4 x 9.5)	0.12 - 0.12 (3.0 - 3.0)	107	5000
PDL-250		White	1.00 x 0.94 (25.4 x 23.8)	1.00 x 0.38 (25.4 x 9.5)	0.12 - 0.18 (3.0 - 4.6)	107	5000
PDL-54†		White	1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.28 (4.0 - 7.1)	108	5000
PDL-56†		White	1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	108	1000
PDL-58†		White	1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.91 (8.1 - 23.2)	109	1000
PDL-123		White	1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	0.48 - 1.41 (12.1 - 35.9)	109	1000
PDL-95		White	1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)		109	1000
PDL-125		White	1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	0.48 - 1.89 (12.1 - 48.0)	109	1000
PDL-96		White	1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)		109	1000
PDL-108		White	1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	0.24 - 0.78 (6.1 - 19.7)	110	1000
PDL-64		White	1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)		110	1000
PDL-55†		White	2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.28 (4.0 - 7.1)	110	5000
PDL-57†		White	2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	110	1000
PDL-59†		White	2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.91 (8.1 - 23.2)	111	1000
PDL-59-10		White	2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)		111	10,000
PDL-134		White	2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	0.48 - 1.41 (12.1 - 35.9)	111	1000
PDL-62		White	2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)		111	1000
PDL-116		White	2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	0.48 - 1.89 (12.1 - 48.0)	111	1000
PDL-63		White	2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)		111	1000

■Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
†Labels available with colored strip on left hand side of label; to order, add the following letter to part number: B for Blue, BR for Brown, G for Green, GR for Gray, OR for Orange, PR for Purple, R for Red, Y for Yellow.
▲TEDLAR is the registered trademark of E. I. DuPont Co.

Blank Labels by Material

Wire Marking

- Can be used as a wrap around label or flag marker
- Unique adhesive allows label to be removed, repositioned and reused
- User places the label on a loose wire, removes the label to terminate the wire and then places label back on the terminated wire
- Ideal for panel building applications
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**



Terminal Block Marking

- Ideal for temporary marking of terminal blocks
- Label can be removed without leaving any adhesive residue
- Labels can be re-applied several times due to unique adhesive

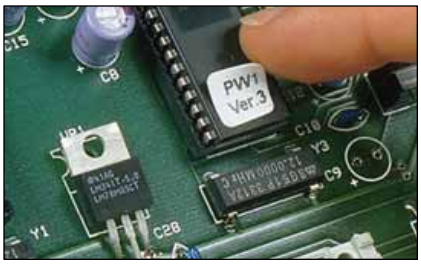
GMC Vinyl Cloth - Indoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-176	GMC Vinyl Cloth	White	0.25 x 1.44 (6.4 x 36.6)	112	5000
PDL-347		White	0.28 x 0.25 (7.1 x 6.4)•	112	1 Roll (28,000 Labels)
PDL-254		White	0.30 x 0.75 (7.6 x 19.1)	112	5000
PDL-257		White	0.30 x 0.94 (7.6 x 23.8)	112	5000
PDL-351		White	0.31 x 0.38 (7.9 x 9.5)•	112	1 Roll (18,670 Labels)
PDL-353		White	0.31 x 0.50 (7.9 x 12.7)•	112	1 Roll (14,000 Labels)
PDL-349		White	0.31 x 700 (7.9 x 17780)•	112	1 Roll (10 Labels)
PDL-260		White	0.38 x 0.38 (9.5 x 9.5)	112	5000
PDL-180		White	0.38 x 1.44 (9.5 x 36.6)	112	5000
PDL-355		White	0.38 x 700 (9.5 x 17780)•	112	1 Roll (8 Labels)
PDL-102		White	0.44 x 2.56 (11.1 x 65.0)	112	5000
PDL-106-1		White	0.44 x 3.63 (11.1 x 92.1)	113	1000
PDL-106		White	0.44 x 3.63 (11.1 x 92.1)	113	5000
PDL-106-10		White	0.44 x 3.63 (11.1 x 92.1)	113	10,000
PDL-45-1		White	0.50 x 0.44 (12.7 x 11.1)	113	1000
PDL-45		White	0.50 x 0.44 (12.7 x 11.1)	113	5000
PDL-45-10		White	0.50 x 0.44 (12.7 x 11.1)	113	10,000
PDL-119		White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-43		White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-43-10		White	0.50 x 0.75 (12.7 x 19.1)	113	10,000
PDL-265		White	0.50 x 0.94 (12.7 x 23.8)	113	5000
PDL-13-1		White	0.50 x 1.44 (12.7 x 36.5)	113	1000
PDL-13		White	0.50 x 1.44 (12.7 x 36.5)	113	5000
PDL-13-10		White	0.50 x 1.44 (12.7 x 36.5)	113	10,000
PDL-184		White	0.50 x 1.44 (12.7 x 36.5)	113	5000
PDL-135		White	0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	114	5000
PDL-193		Yellow	0.59 x 0.35 (15.0 x 9.0)	114	5000
PDL-194		White	0.59 x 0.35 (15.0 x 9.0)	114	5000
PDL-34-1		White	0.65 x 0.20 (16.5 x 5.1)	114	1000
PDL-34		White	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-34-10		White	0.65 x 0.20 (16.5 x 5.1)	114	10,000
PDL-270		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-37-1		White	0.75 x 0.25 (19.1 x 6.4)	115	1000
PDL-37		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-37-10		White	0.75 x 0.25 (19.1 x 6.4)	115	10,000
PDL-37-50		White	0.75 x 0.25 (19.1 x 6.4)	115	50,000
PDL-191		Yellow	0.79 x 0.32 (20.0 x 8.0)	115	5000
PDL-192		White	0.79 x 0.32 (20.0 x 8.0)	115	5000
PDL-280		White	0.80 x 0.94 (20.3 x 23.8)	116	5000
PDL-280-10		White	0.80 x 0.94 (20.3 x 23.8)	116	10,000
PDL-9		White	0.80 x 1.44 (20.3 x 36.5)	116	5000
PDL-9-10		White	0.80 x 1.44 (20.3 x 36.5)	116	10,000
PDL-9-10T•		White	0.80 x 1.44 (20.3 x 36.5)	116	10,000
PDL-66		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-93		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-30-1		White	1.00 x 0.38 (25.4 x 9.5)	116	1000
PDL-30		White	1.00 x 0.38 (25.4 x 9.5)	116	5000
PDL-30-10		White	1.00 x 0.38 (25.4 x 9.5)	116	10,000

More sizes shown on the following page

• Indicates label is roll mounted
*Order number of labels required in multiples of Std. Pkg. Qty. For roll mounted labels, order number of rolls required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)



Electronic Labeling

- Ideal for temporary marking of chips, boards or IC's
- Label is removable without leaving any adhesive residue
- Labels can be re-applied several times due to unique adhesive
- Pliable material is good for rough texture surfaces

Bin Marking

- Unique adhesive allows label to be removed, repositioned and reused — ideal for stock room changes
- Pliable material good for rough textured surfaces, such as concrete

GMC Vinyl Cloth - Indoor Applications (cont.)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-19-1	GMC Vinyl Cloth	White	1.00 x 0.50 (25.4 x 12.7)	117	1000
PDL-19		White	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-19-10		White	1.00 x 0.50 (25.4 x 12.7)	117	10,000
PDL-288		White	1.00 x 0.75 (25.4 x 19.1)	117	5000
PDL-291		White	1.00 x 0.94 (25.4 x 23.8)	117	5000
PDL-294		White	1.00 x 1.44 (25.4 x 36.5) With Horizontal Perforation	117	5000
PDL-4674-1		White	1.13 x 0.53 (28.6 x 13.5)	117	20,000
PDL-130		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-69		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-360-10		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	10,000
PDL-41-1		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	1000
PDL-41		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	5000
PDL-41-10		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	10,000
PDL-72		White	1.50 x 0.75 (38.1 x 19.1)	119	5000
PDL-297		Yellow	1.50 x 0.90 (38.1 x 22.9)	119	1000
PDL-298		White	1.50 x 0.90 (38.1 x 22.9)	119	1000
PDL-114		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-32-1		White	2.00 x 0.38 (50.8 x 9.5)	119	1000
PDL-32		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-32-10		White	2.00 x 0.38 (50.8 x 9.5)	119	10,000
PDL-147		White	2.00 x 1.25 (50.8 x 31.8)	119	1000
PDL-164		White	2.80 x 1.00 (71.1 x 25.4)	120	1000
PDL-166		White	2.80 x 1.50 (71.1 x 38.1)	120	1000
PDL-33		White	3.00 x 0.38 (76.2 x 9.5)	120	5000
PDL-307		Yellow	3.00 x 0.90 (76.2 x 22.9)	120	1000
PDL-308		White	3.00 x 0.90 (76.2 x 22.9)	120	1000
PDL-142		White	3.00 x 2.00 (76.2 x 50.8)	120	1000
PDL-153		White	3.25 x 1.25 (82.6 x 31.8)	120	1000
PDL-160		White	3.63 x 1.00 (92.1 x 25.4)	121	5000
PDL-162		White	3.63 x 1.50 (92.1 x 38.1)	121	5000
PDL-321		Yellow	3.90 x 0.90 (99.1 x 22.9)	121	1000
PDL-322		White	3.90 x 0.90 (99.1 x 22.9)	121	1000
PDL-323		Yellow	3.90 x 1.44 (99.1 x 36.5)	121	1000
PDL-324		White	3.90 x 1.44 (99.1 x 36.5)	121	1000
PDL-329		Yellow	3.90 x 2.90 (99.1 x 73.7)	121	1000
PDL-330		White	3.90 x 2.90 (99.1 x 73.7)	121	1000
PDL-331		Yellow	6.00 x 0.90 (152.4 x 22.9)	121	1000
PDL-332		White	6.00 x 0.90 (152.4 x 22.9)	121	1000
PDL-333		Yellow	6.00 x 1.44 (152.4 x 36.6)	121	1000
PDL-334		White	6.00 x 1.44 (152.4 x 36.6)	121	1000
PDL-335		Yellow	6.00 x 1.90 (152.4 x 48.3)	121	1000
PDL-336		White	6.00 x 1.90 (152.4 x 48.3)	121	1000
PDL-337		Yellow	6.00 x 2.90 (152.4 x 73.7)	121	1000
PDL-338		White	6.00 x 2.90 (152.4 x 73.7)	121	1000
PDL-341		Yellow	8.00 x 1.44 (203.2 x 36.5)	121	1000
PDL-342		White	8.00 x 1.44 (203.2 x 36.5)	121	1000
PDL-343		Yellow	12.00 x 1.90 (304.8 x 48.3)	121	1000
PDL-344		White	12.00 x 1.90 (304.8 x 48.3)	121	1000
PDL-345		Yellow	12.00 x 2.90 (304.8 x 73.7)	121	1000
PDL-346		White	12.00 x 2.90 (304.8 x 73.7)	121	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Resistant to solvents and high temperatures
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**

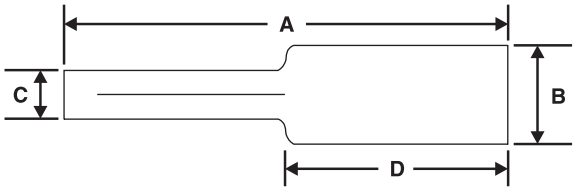
GMA Aluminum - Indoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-97	GMA Aluminum	Silver	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-148		Silver	2.00 x 1.25 (50.8 x 31.8)	119	1000
PDL-143		Silver	3.00 x 2.00 (76.2 x 50.8)	120	1000
PDL-154		Silver	3.25 x 1.25 (82.6 x 31.8)	120	1000

GMC-FR Rag Tag Label (Non-Adhesive with Liner) -Indoor Applications

Part Number	Material	Color	Label Size In. (mm)				Labels Per Roll	Std. Pkg. Qty.*
			A	B	C	D		
PDL-500	GMC-FR Flame Retardant Cloth	White	4.50 (114.3)	1.00 (25.4)	0.50 (12.7)	2.25 (57.1)	1800	1 Roll

- Used for harness identification
- Will not damage wires or cable with adhesive residue
- Flame retardant GMC-FR material meets U.L. 94-VTM0
- IBM Approval LER440



GMK Polyimide - Indoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-252	GMK Polyimide	Amber	0.30 x 0.30 (7.6 x 7.6)	112	5000
PDL-252-10		Amber	0.30 x 0.30 (7.6 x 7.6)	112	10,000
PDL-262		Amber	0.38 x 0.38 (9.5 x 9.5)	112	5000
PDL-262-10		Amber	0.38 x 0.38 (9.5 x 9.5)	112	10,000
PDL-233		Amber	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-233-10		Amber	0.65 x 0.20 (16.5 x 5.1)	114	10,000
PDL-235		Amber	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-235-10		Amber	0.75 x 0.25 (19.1 x 6.4)	115	10,000
PDL-272		Amber	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-276		Amber	0.75 x 0.25 (19.1 x 6.4) With Tamper Resistant Slits	115	5000
PDL-278		Amber	0.80 x 0.20 (20.3 x 5.1)	115	5000
PDL-173		Amber	0.80 x 0.50 (20.3 x 12.7)	115	5000
PDL-283		Amber	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-50		Amber	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-50-10		Amber	0.90 x 0.25 (22.9 x 6.4)	116	10,000
PDL-286		Amber	0.90 x 0.25 (22.9 x 6.4) With Tamper Resistant Slits	116	5000
PDL-98		Amber	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-357		Amber	1.50 x 0.25 (38.1 x 6.4)	118	5000
PDL-237		Amber	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-232		Amber	3.00 x 0.38 (76.2 x 9.5)	120	5000

- Can withstand high temperatures, ideal for components in direct contact with molten solder
- Resistant to most solvent washes
- Meets MIL Spec 202F
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**
- Polyimide is commonly called KAPTON*

* KAPTON is a registered trademark of E.I. DuPont Co.

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Ideal for temporary labeling
- Low cost identification on boards and chips
- Labels provide good contrast for easy bar code scanning

GMP Removable Paper - Indoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-91	GMP Removable Paper	White	0.50 x 0.44 (12.7 x 11.1)	113	5000
PDL-170		White	0.80 x 0.50 (20.3 x 12.7)	115	5000
PDL-170-10		White	0.80 x 0.50 (20.3 x 12.7)	115	10,000
PDL-65		White	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-359-10		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	10,000
PDL-40		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	5000
PDL-40-10		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	10,000
PDL-299		White	2.00 x 0.90 (50.8 x 22.9)	119	1000
PDL-303		White	2.00 x 1.44 (50.8 x 36.5)	120	1000
PDL-309		White	3.00 x 0.90 (76.2 x 22.9)	120	1000
PDL-313		White	3.00 x 1.44 (76.2 x 36.5)	120	1000
PDL-317		White	3.00 x 1.90 (76.2 x 48.3)	120	1000
PDL-325		White	3.90 x 1.44 (99.1 x 36.5)	120	1000
PDL-339		White	6.00 x 3.94 (152.4 x 100.0)	121	1000

- Strong permanent adhesive will leave traces of label after removal
- Low cost identification on board and chips
- Good contrast for easy bar code scanning

GMP1 Destructible Paper - Indoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-122	GMP1 Destructible Paper	White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-89		White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-138		White	0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	114	5000
PDL-82		White	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-85		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-167		White	0.80 x 0.25 (20.3 x 6.4)	115	5000
PDL-174		White	0.80 x 0.50 (20.3 x 12.7)	115	5000
PDL-67		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-92		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-74		White	1.00 x 0.38 (25.4 x 9.5)	116	5000
PDL-370		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-70		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-73		White	1.50 x 0.75 (38.1 x 19.1)	119	5000
PDL-73-10		White	1.50 x 0.75 (38.1 x 19.1)	119	10,000
PDL-112		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-78		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-300		White	2.00 x 0.90 (50.8 x 22.9)	119	1000
PDL-149		White	2.00 x 1.25 (50.8 x 31.8)	119	1000
PDL-304		White	2.00 x 1.44 (50.8 x 36.5)	120	1000
PDL-163		White	2.80 x 1.00 (71.1 x 25.4)	120	1000
PDL-165		White	2.80 x 1.50 (71.1 x 38.1)	120	1000
PDL-81		White	3.00 x 0.38 (76.2 x 9.5)	120	5000
PDL-310		White	3.00 x 0.90 (76.2 x 22.9)	120	1000
PDL-314		White	3.00 x 1.44 (76.2 x 36.5)	120	1000
PDL-318		White	3.00 x 1.90 (76.2 x 48.3)	120	1000
PDL-141		White	3.00 x 2.00 (76.2 x 50.8)	120	1000
PDL-155		White	3.25 x 1.25 (82.6 x 31.8)	120	1000
PDL-159		White	3.63 x 1.00 (92.1 x 25.4)	121	5000
PDL-161		White	3.63 x 1.50 (92.1 x 38.1)	121	5000
PDL-326		White	3.90 x 1.44 (99.1 x 36.5)	121	1000
PDL-340		White	6.00 x 3.94 (152.4 x 100.0)	121	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Economical
- Can be used for wire marking as a wrap around label or flag marker
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**

GMV Vinyl - Indoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-178	GMV Vinyl	White	0.25 x 1.44 (6.4 x 36.6)	112	5000
PDL-182		White	0.38 x 1.44 (9.5 x 36.6)	112	5000
PDL-103		White	0.44 x 2.56 (11.1 x 65.0)	112	5000
PDL-107		White	0.44 x 3.63 (11.1 x 92.1)	113	5000
PDL-15		White	0.50 x 1.44 (12.7 x 36.5)	113	5000
PDL-186		White	0.50 x 1.44 (12.7 x 36.5)	113	5000
PDL-189		White	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-190		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-171		White	0.80 x 0.50 (20.3 x 12.7)	115	5000
PDL-11		White	0.80 x 1.44 (20.3 x 36.5)	116	5000
PDL-188		White	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-132		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-132-10		White	1.25 x 0.38 (31.8 x 9.5)	118	10,000
PDL-629		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	5000
PDL-113		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-146		White	2.00 x 1.25 (50.8 x 31.8)	119	1000
PDL-140		White	3.00 x 2.00 (76.2 x 50.8)	120	1000
PDL-152		White	3.25 x 1.25 (82.6 x 31.8)	120	1000

- Strong permanent adhesive, destructible material
- Tamper evident and hard to remove
- Damages most surfaces upon removal of label

GMV10 Destructible Vinyl - Indoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-263	GMV10 Destructible Vinyl	White	0.38 x 0.38 (9.5 x 9.5)	112	5000
PDL-46		White	0.50 x 0.44 (12.7 x 11.1)	113	5000
PDL-35-1		White	0.65 x 0.20 (16.5 x 5.1)	114	1000
PDL-35		White	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-35-10		White	0.65 x 0.20 (16.5 x 5.1)	114	10,000
PDL-273		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-38		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-38-10		White	0.75 x 0.25 (19.1 x 6.4)	115	10,000
PDL-21-1		White	1.00 x 0.50 (25.4 x 12.7)	117	1000
PDL-21		White	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-21-10		White	1.00 x 0.50 (25.4 x 12.7)	117	10,000
PDL-7294-1		White	1.00 x 0.50 (25.4 x 12.7)	117	5000

GMT TEDLAR▲ - Indoor/Outdoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-179	GMT TEDLAR▲	White	0.25 x 1.44 (6.4 x 36.6)	112	5000
PDL-7966-10		White	0.30 x 0.20 (7.6 x 5.1)	112	10,000
PDL-256		White	0.30 x 0.75 (7.6 x 19.1)	112	5000
PDL-259		White	0.30 x 0.94 (7.6 x 23.8)	112	5000
PDL-183		White	0.38 x 1.44 (9.5 x 36.6)	112	5000
PDL-100		White	0.44 x 2.56 (11.1 x 65.0)	112	5000
PDL-104		White	0.44 x 3.63 (11.1 x 92.1)	113	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co

More sizes shown on the following page

*Order number of labels required in multiples of Std. Pkg. Qty.

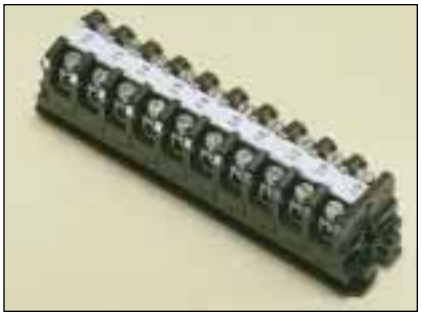
Blank Labels by Material (cont.)

Wire Marking

- Can be used as a wrap around label, but is most commonly used as a flag marker on wires and cables
- Used in many OEM and harness house applications with high temperature requirements

Electronic Labeling

- Pliable material is good for curved surfaces
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**



Terminal Block Marking

- Strong durable material with permanent adhesive

GMT TEDLAR▲ - Indoor/Outdoor Applications (cont.)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-120	GMT TEDLAR▲	White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-120-10		White	0.50 x 0.75 (12.7 x 19.1)	113	10,000
PDL-44		White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-267		White	0.50 x 0.94 (12.7 x 23.8)	113	5000
PDL-187		White	0.50 x 1.44 (12.7 x 36.5)	113	5000
PDL-137		White	0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	114	5000
PDL-83		White	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-83-10		White	0.65 x 0.20 (16.5 x 5.1)	114	10,000
PDL-84		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-282		White	0.80 x 0.94 (20.3 x 23.8)	116	5000
PDL-10-1		White	0.80 x 1.44 (20.3 x 36.5)	116	1000
PDL-10		White	0.80 x 1.44 (20.3 x 36.5)	116	5000
PDL-23-1		White	0.90 x 0.25 (22.9 x 6.4)	116	1000
PDL-23		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-23-10		White	0.90 x 0.25 (22.9 x 6.4)	116	10,000
PDL-284		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-49		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-49-10		White	0.90 x 0.25 (22.9 x 6.4)	116	10,000
PDL-4565-1		White	0.98 x 0.59 (25.0 x 15.0)	116	5000
PDL-75		White	1.00 x 0.38 (25.4 x 9.5)	116	5000
PDL-230		Yellow	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-99		White	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-99-10		White	1.00 x 0.50 (25.4 x 12.7)	117	10,000
PDL-290-1		White	1.00 x 0.75 (25.4 x 19.1)	117	1000
PDL-290		White	1.00 x 0.75 (25.4 x 19.1)	117	5000
PDL-293		White	1.00 x 0.94 (25.4 x 23.8)	117	5000
PDL-296		White	1.00 x 1.44 (25.4 x 36.5) With Horizontal Perforation	117	5000
PDL-4674-3		White	1.13 x 0.53 (28.6 x 13.5)	117	20,000
PDL-4565-2		White	1.18 x 0.37 (30.0 x 9.5)	117	5000
PDL-127		Yellow	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-128		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-128-10		White	1.25 x 0.38 (31.8 x 9.5)	118	10,000
PDL-129		Gray	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-24		Yellow	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-25		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-25-10		White	1.25 x 0.38 (31.8 x 9.5)	118	10,000
PDL-26		Silver	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-86		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	5000
PDL-27		White	1.50 x 0.75 (38.1 x 19.1)	119	5000
PDL-27-10		White	1.50 x 0.75 (38.1 x 19.1)	119	10,000
PDL-28		Yellow	1.50 x 0.75 (38.1 x 19.1)	119	5000
PDL-110-1		White	2.00 x 0.38 (50.8 x 9.5)	119	1000
PDL-110		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-76		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-7557-1		White	2.50 x 4.25 (63.5 x 108.0)	120	1000
PDL-79		White	3.00 x 0.38 (76.2 x 9.5)	120	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

- Durable label material
- Use on colored or clear surfaces
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**

GMY-C Polyester - Indoor/Outdoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-402-D	GMY-C Polyester	Clear	0.56 x 0.19 (14.3 x 4.8)	114	500
PDL-402-10		Clear	0.56 x 0.19 (14.3 x 4.8)	114	10,000
PDL-401-D		Clear	0.56 x 0.56 (14.3 x 14.3)	114	500
PDL-401		Clear	0.56 x 0.56 (14.3 x 14.3)	114	5000
PDL-401-10		Clear	0.56 x 0.56 (14.3 x 14.3)	114	10,000
PDL-363		Clear	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-407-1		Clear	1.38 x 0.28 (34.9 x 7.1)	118	1000
PDL110G5		Clear	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-404-1		Clear	7.50 x 0.50 (190.5 x 12.7)	121	1000
PDL-404-2.5		Clear	7.50 x 0.50 (190.5 x 12.7)	121	2500

Bar Code Labeling

- Durable label material for permanent bar codes
- Can also be used for inventory, asset and equipment labeling

High Temperature Applications

- Adhesive becomes permanent after 24 hours
- Durable label material for the top of circuit boards
- Material Temperature: 310°F (154°C) - 2nd highest temperature rated Panduit material

GMY-W Polyester - Indoor/Outdoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-177	GMY-W Polyester	White	0.25 x 1.44 (6.4 x 36.6)	112	5000
PDL-253		White	0.30 x 0.30 (7.6 x 7.6)	112	5000
PDL-253-10		White	0.30 x 0.30 (7.6 x 7.6)	112	10,000
PDL-264		White	0.38 x 0.38 (9.5 x 9.5)	112	5000
PDL-264-10		White	0.38 x 0.38 (9.5 x 9.5)	112	10,000
PDL-181		White	0.38 x 1.44 (9.5 x 36.6)	112	5000
PDL-101		White	0.44 x 2.56 (11.1 x 65.0)	112	5000
PDL-105		White	0.44 x 3.63 (11.1 x 92.1)	113	5000
PDL-47		White	0.50 x 0.44 (12.7 x 11.1)	113	5000
PDL-47-10		White	0.50 x 0.44 (12.7 x 11.1)	113	10,000
PDL-121		White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-90		White	0.50 x 0.75 (12.7 x 19.1)	113	5000
PDL-14		White	0.50 x 1.44 (12.7 x 36.5)	113	5000
PDL-14-10		White	0.50 x 1.44 (12.7 x 36.5)	113	10,000
PDL-185		White	0.50 x 1.44 (12.7 x 36.5)	113	5000
PDL-136		White	0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	114	5000
PDL-405-D		White	0.56 x 0.19 (14.3 x 4.8)	114	500
PDL-405-10		White	0.56 x 0.19 (14.3 x 4.8)	114	10,000
PDL-406-D		White	0.56 x 0.56 (14.3 x 14.3)	114	500
PDL-406-10		White	0.56 x 0.56 (14.3 x 14.3)	114	10,000
PDL-400		Electrical Ivory	0.56 x 0.56 (14.3 x 14.3)	114	5000
PDL-269		White	0.65 x 0.20 (16.5 x 5.1) With Tamper Resistant Slits	114	5000
PDL-36		White	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-36-10		White	0.65 x 0.20 (16.5 x 5.1)	114	10,000
PDL-274		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-274-10		White	0.75 x 0.25 (19.1 x 6.4)	115	10,000
PDL-39		White	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-39-10		White	0.75 x 0.25 (19.1 x 6.4)	115	10,000
PDL-277		White	0.75 x 0.25 (19.1 x 6.4) With Tamper Resistant Slits	115	5000
PDL-277-10		White	0.75 x 0.25 (19.1 x 6.4) With Tamper Resistant Slits	115	10,000

More sizes shown on the following page

*Order number of labels required in multiples of Std. Pkg. Qty.

Blank Labels by Material (cont.)

Electronic Labeling

- Adhesive becomes permanent after 24 hours
- Durable material ideal for the top of circuit boards
- Can be used before wave solder process
- UV resistant for outdoor applications, field marking applications
- Material Temperature: 310°F (154°C) - 2nd highest temperature rated Panduit material

Harsh Environment Labeling

- Adhesive becomes permanent after 24 hours
- Durable label material, solvent resistant
- UV resistant for outdoor applications

GMY-W Polyester - Indoor/Outdoor Applications (cont.)

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-279	GMY-W Polyester	White	0.80 x 0.20 (20.3 x 5.1)	115	5000
PDL-279-10		White	0.80 x 0.20 (20.3 x 5.1)	115	10,000
PDL-172		White	0.80 x 0.50 (20.3 x 12.7)	115	5000
PDL-172-10		White	0.80 x 0.50 (20.3 x 12.7)	115	10,000
PDL-172R		White	0.80 x 0.50 (20.3 x 12.7)•	115	1 Roll (10,000 Labels)
PDL-285		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-94-1		White	0.90 x 0.25 (22.9 x 6.4)	116	1000
PDL-94		White	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-94-10		White	0.90 x 0.25 (22.9 x 6.4)	116	10,000
PDL-287		White	0.90 x 0.25 (22.9 x 6.4) With Tamper Resistant Slits	116	5000
PDL-31		White	1.00 x 0.38 (25.4 x 9.5)	116	5000
PDL-31-10		White	1.00 x 0.38 (25.4 x 9.5)	116	10,000
PDL-157		White	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-20-1		White	1.00 x 0.50 (25.4 x 12.7)	117	1000
PDL-20		White	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-20-10		White	1.00 x 0.50 (25.4 x 12.7)	117	10,000
PDL-131		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-5712-2		White with Red Border	1.25 x 0.38 (31.8 x 9.5)	118	25,000
PDL-71		White	1.25 x 0.38 (31.8 x 9.5)	118	5000
PDL-409-1		White	1.38 x 0.28 (34.9 x 7.1)	118	1000
PDL-358		White	1.50 x 0.25 (38.1 x 6.4)	118	5000
PDL-87		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	5000
PDL-87-10		White	1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	118	10,000
PDL-231		White	1.50 x 0.75 (38.1 x 19.1)	119	5000
PDL-231-10		White	1.50 x 0.75 (38.1 x 19.1)	119	10,000
PDL-111-1		White	2.00 x 0.38 (50.8 x 9.5)	119	1000
PDL-111		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-77		White	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-301		White	2.00 x 0.90 (50.8 x 22.9)	119	1000
PDL-150		White	2.00 x 1.25 (50.8 x 31.8)	119	1000
PDL-305		White	2.00 x 1.44 (50.8 x 36.5)	120	1000
PDL-305-10		White	2.00 x 1.44 (50.8 x 36.5)	120	10,000
PDL-80		White	3.00 x 0.38 (76.2 x 9.5)	120	5000
PDL-311		White	3.00 x 0.90 (76.2 x 22.9)	120	1000
PDL-315		White	3.00 x 1.44 (76.2 x 36.5)	120	1000
PDL-319		White	3.00 x 1.90 (76.2 x 48.3)	120	1000
PDL-144		White	3.00 x 2.00 (76.2 x 50.8)	120	1000
PDL-156		White	3.25 x 1.25 (82.6 x 31.8)	120	1000
PDL-327		White	3.90 x 1.44 (99.1 x 36.5)	121	1000
PDL-403-1†		White	7.50 x 0.50 (190.5 x 12.7)	121	1000
PDL-403-2.5		White	7.50 x 0.50 (190.5 x 12.7)	121	2500

†Label also available in TIA Specified colors for Network Systems applications. To order, add B for Blue, BR for Brown, G for Green, GR for Gray, OR for Orange, PR for Purple, R for Red, Y for Yellow.
• Indicates label is roll mounted

Blank Labels by Material (cont.)

- UV opaque material used to cover EPROM windows
- Adhesive becomes permanent after 24 hours
- Durable material for the top of circuit boards
- Can be used before wave solder process
- Use with Panduit Indelible Ink Ribbons found on **pages 126 - 128**

GMY-S Polyester - Indoor/Outdoor Applications

Part Number	Material	Color	Label Size Width x Length In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-48-1	GMY-S Polyester	Silver	0.50 x 0.44 (12.7 x 11.1)	113	1000
PDL-48		Silver	0.50 x 0.44 (12.7 x 11.1)	113	5000
PDL-48-10		Silver	0.50 x 0.44 (12.7 x 11.1)	113	10,000
PDL-234		Silver	0.65 x 0.20 (16.5 x 5.1)	114	5000
PDL-234-10		Silver	0.65 x 0.20 (16.5 x 5.1)	114	10,000
PDL-236		Silver	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-236-10		Silver	0.75 x 0.25 (19.1 x 6.4)	115	10,000
PDL-275		Silver	0.75 x 0.25 (19.1 x 6.4)	115	5000
PDL-175		Silver	0.81 x 0.50 (20.7 x 12.7)	116	5000
PDL-68		Silver	0.90 x 0.25 (22.9 x 6.4)	116	5000
PDL-158		Silver	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-22-1		Silver	1.00 x 0.50 (25.4 x 12.7)	117	1000
PDL-22		Silver	1.00 x 0.50 (25.4 x 12.7)	117	5000
PDL-22-10		Silver	1.00 x 0.50 (25.4 x 12.7)	117	10,000
PDL-7542-10		Silver	1.50 x 0.25 (38.1 x 6.4)	118	10,000
PDL-29-1		Silver	1.50 x 0.75 (38.1 x 19.1)	119	1000
PDL-29		Silver	1.50 x 0.75 (38.1 x 19.1)	119	5000
PDL-29-10		Silver	1.50 x 0.75 (38.1 x 19.1)	119	10,000
PDL-7572-1R		Silver	1.63 x 0.38 (41.3 x 9.5)•	119	1000
PDL-7572-10R		Silver	1.63 x 0.38 (41.3 x 9.5)•	119	10,000
PDL-7517		Silver	2.00 x 0.38 (50.8 x 9.5)	119	5000
PDL-302		Silver	2.00 x 0.90 (50.8 x 22.9)	119	1000
PDL-145		Silver	2.00 x 1.25 (50.8 x 31.8)	119	1000
PDL-306		Silver	2.00 x 1.44 (50.8 x 36.5)	120	1000
PDL-312		Silver	3.00 x 0.90 (76.2 x 22.9)	120	1000
PDL-316		Silver	3.00 x 1.44 (76.2 x 36.5)	120	1000
PDL-320		Silver	3.00 x 1.90 (76.2 x 48.3)	120	1000
PDL-139		Silver	3.00 x 2.00 (76.2 x 50.8)	120	1000
PDL-151		Silver	3.25 x 1.25 (82.6 x 31.8)	120	1000
PDL-328		Silver	3.90 x 1.44 (99.1 x 36.5)	121	1000

• Indicates label is roll mounted

*Order number of labels required in multiples of Std. Pkg. Qty.

TIA/EIA-606 Compliant Network Systems Labeling

What is TIA/EIA-606?

TIA/EIA-606 is a standard from the Telecommunications Industry Association which requires labeling and administration of the telecommunication infrastructure in commercial buildings. TIA-606 applies to Cables, Connectors, Hub Facilities, Termination Facilities (Patch Panels), Conduits and Pathways.

Panduit manufactures a broad range of labeling products to help you conform to TIA/EIA-606.

Along with the labels already shown in this section, the following pages feature labels designed specifically for Network Systems Labeling. Many of these labels can be used with Dot-Matrix and Laser Printers.

*For more information on the complete line of **PAN-NET**™ Network Cabling System Products, ask for the Communication Products Catalog.*

Cable Labeling

Color Coded Self-Laminating Labels

- Labels have colored strip on left side to provide 360° color coding
- White Print-On area is highly legible
- Clear overlaminate protects legend
- Available in 2 materials and 8 colors

GMV3 Self-Laminating Vinyl Labels - Indoor Applications

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ■ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-1B†	GMV3 Self-Laminating Vinyl	White with Blue Strip on Left	0.50 x 1.44 (12.7 x 36.5)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	106	5000
PDL-8B†			0.80 x 1.44 (20.3 x 36.5)	0.80 x 0.50 (20.3 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	106	5000
PDL-2B†			1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	108	5000
PDL-4B†			1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	108	1000
PDL-6B†			1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	109	1000
PDL-3B†			2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	110	5000
PDL-5B†			2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	110	1000
PDL-7B††			2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.94 (8.1 - 23.8)	111	1000

■Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
†Other colors available. To order, replace B with BR for Brown, G for Green, GR for Gray, OR for Orange, PR for Purple, R for Red, Y for Yellow.
††Other colors available. To order, replace B with G for Green, R for Red, Y for Yellow.

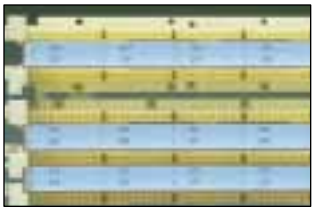
GMT1 Self-Laminating TEDLAR▲ Labels - Indoor/Outdoor and High Temperature Applications

Part Number	Material	Print-On Area Color	Label Size Width x Length In. (mm)	Print-On Area Width x Length In. (mm)	Nominal Cable Outside Diameter ■ In. (mm)	Dwg. Page No.	Std. Pkg. Qty.*
PDL-53B†	GMT1 Self-Laminating TEDLAR▲	White with Blue Strip on Left	0.50 x 1.38 (12.7 x 34.9)	0.50 x 0.50 (12.7 x 12.7)	0.16 - 0.28 (4.0 - 7.1)	106	5000
PDL-60B†			0.80 x 1.44 (20.3 x 36.5)	0.80 x 0.50 (20.3 x 12.7)	0.16 - 0.30 (4.0 - 7.6)	107	5000
PDL-54B†			1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	0.16 - 0.28 (4.0 - 7.1)	108	5000
PDL-56B†			1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	108	1000
PDL-58B†			1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	0.32 - 0.91 (8.1 - 23.2)	109	1000
PDL-55B†			2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	0.16 - 0.28 (4.0 - 7.1)	110	5000
PDL-57B†			2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	0.24 - 0.54 (6.1 - 13.7)	110	1000
PDL-59B†			2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	0.32 - 0.91 (8.1 - 23.2)	111	1000

■Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
†Other colors available. To order, replace B with BR for Brown, G for Green, GR for Gray, OR for Orange, PR for Purple, R for Red, Y for Yellow.
▲TEDLAR is the registered trademark of E. I. DuPont Co.

*Order number of labels required in multiples of Std. Pkg. Qty.

Network Systems Labels — Termination Hardware



Adhesive Labels

- Eliminate the need for standard paper designation strips
- Labels are placed on top of label holders

Adhesive 110 Punch Down Block Labels

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Labels Per Roll	Web Width In. (mm)	Std. Pkg. Qty.*
PDL-403-1	GMY-W Polyester	White	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1B		Blue	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1BR		Brown	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1G		Green	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1GR		Gray	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1OR		Orange	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1PR		Purple	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1R		Red	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1Y		Yellow	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-2.5		White	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	2500•	8.50 (215.9)	2500
PDL-404-1	GMY-C Polyester	Clear	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-404-2.5		Clear	7.50 (190.5)	0.50 (12.7)	0.50 (12.7)	1	2500•	8.50 (215.9)	2500

•Indicates label is supplied on rolls

Non-Adhesive Labels

- Can be used in Dot-Matrix and Laser Printers

Non-Adhesive 110 Punch Down Block Labels

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width In. (mm)	Std. Pkg. Qty.*
DS110	Semi-Rigid Paper	White	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-BR		Brown	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-BU		Blue	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-GR		Green	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-IG		Gray	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-OR		Orange	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-RD		Red	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-VL		Violet	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150
DS110-YL		Yellow	7.95 (200.0)	0.50 (12.7)	0.50 (12.7)	1	15	8.50 (215.9)	150

*For more information on the complete **PAN-NET**™ Network Cabling System Products, ask for the Communication Products Catalog.*

*Order number of labels required in multiples of Std. Pkg. Qty.

Network Systems Labels — Termination Hardware (cont.)

Adhesive Label for Patch Panels and Modular Furniture Faceplates

- Label is perforated on black lines to be used in 2 position, 4 position, or 6 position applications
- For Dot-Matrix and Laser printers

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horiz. Repeat In. (mm)	Vert. Repeat In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width In. (mm)	Std. Pkg. Qty.*
CPPLF-5	GMPO Polyolefin	White	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5BU		Blue	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5EI		Ivory	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5GR		Green	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5IG		Gray	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5OR		Orange	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5PR		Purple	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5RD		Red	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000
CPPLF-5YL		Yellow	0.61 (15.5)	0.33 (8.4)	0.61 (15.5)	0.33 (8.4)	12	25	8.50 (215.9)	5000

Network Systems Labels — Termination Position

MINI-JACK™ Modular Jack and _OPTI-JACK_™ Fiber Optic Connector Labels

- Identify individual jacks and connectors
- Wrap around design allows for quick and secure installation
- Labels attach directly to jacks
- Labels have preprinted black fold lines to speed installation

For Dot-Matrix Printers Only

Part Number	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width In. (mm)	Std. Pkg. Qty.*
PDL-411-1	Polyester	Clear	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1BU		Blue	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1EI		Ivory	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1GR		Green	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1IG		Gray	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1OR		Orange	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1VL		Violet	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1RD		Red	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-411-1YL		Yellow	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-412		White	1.38 (34.9)	0.19 (4.8)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000

*Order number of labels required in multiples of Std. Pkg. Qty.

Network Systems Labels — Termination Position (cont.)

Faceplates Labels

- For use with ***MINI-COM***® Executive and Designer Series Faceplates
- Adhesive label designed to fit on vinyl insert provided with faceplate
- Single and Double Gang versions available
- Can also be used with ***MINI-COM*** Surface Mount boxes

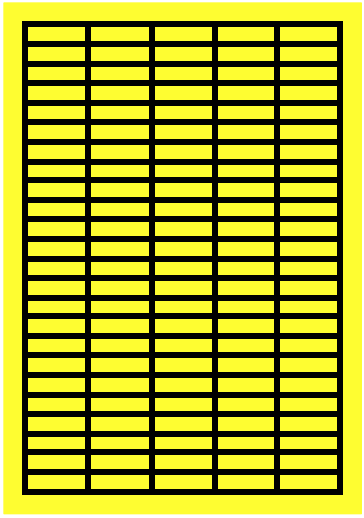
Part Number	Faceplate Type	Material	Color	Label Width In. (mm)	Label Length In. (mm)	Horizontal Repeat In. (mm)	Vertical Repeat In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width In. (mm)	Std. Pkg. Qty.*
Adhesive Faceplate Labels — For Dot-Matrix Printers Only											
EFPL-1	Single Gang	GMPO Polyolefin	White	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-BU-1			Blue	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-EI-1			Ivory	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-GR-1			Green	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-IG-1			Gray	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-OR-1			Orange	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-RD-1			Red	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-VL-1			Violet	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL-YL-1			Yellow	1.80 (45.7)	0.38 (9.5)	2.00 (50.8)	0.50 (12.7)	2	22	4.80 (121.9)	1000
EFPL10-1	Double Gang		White	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-BU-1			Blue	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-EI-1			Ivory	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-GR-1			Green	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-IG-1			Gray	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-OR-1			Orange	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-RD-1			Red	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-VL-1			Violet	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
EFPL10-YL-1			Yellow	2.90 (73.7)	0.30 (7.6)	—	0.50 (12.7)	1	22	4.68 (118.9)	1000
Non-Adhesive Faceplate Labels on Sheets — For Dot-Matrix and Laser Printers											
EFPT-1	Single Gang	Semi-Rigid Paper	White	1.80 (45.7)	0.38 (9.5)	1.80 (45.7)	0.38 (9.5)	4	19	8.50 (215.9)	1000
EFPT10-1	Double Gang		White	2.90 (73.7)	0.30 (7.6)	2.90 (73.7)	0.30 (7.6)	2	24	8.50 (215.9)	1000
Non-Adhesive Faceplate Labels on Rolls — For Dot-Matrix Printers Only											
PDL-408-TL	Single Gang	Semi-Rigid Vinyl	White	1.95 (49.5)	0.40 (10.2)	—	0.50 (12.7)	1	250•	2.95 (74.9)	1 Roll (250 Labels)
PDL-410-TL	Double Gang		White	3.00 (76.2)	0.33 (8.5)	—	0.33 (8.5)	1	250•	4.00 (101.6)	1 Roll (250 Labels)

•Indicates label is roll mounted

*For more information on the complete **PAN-NET**™ Network Cabling System Products, ask for the Communication Products Catalog.*

*Order number of labels required in multiples of Std. Pkg. Qty. For roll mounted labels, order number of rolls required in multiples of Std. Pkg. Qty.

Machinery Materials Identification Labels



- GMC Vinyl Cloth with adhesive that can be removed without leaving any adhesive residue
- Available in two formats

DIN A4 Sheet Format

- For Lettering with Panduit Marking Pens (see below), typewriter or dot-matrix printer

Pinfeed Format

- For printing with a dot-matrix printer

• Fast drying permanent ink

DIN A4 Sheet Format

Part Number	Color	Material	Print-On Area Width x Length In. (mm)	Labels Per Row	Rows Per Sheet	Labels Per Sheet	Std. Pkg. Qty.*
PECWMS-1065BW	White with a black frame	GMC Vinyl Cloth	2.56 x 0.39 (65.0 x 10.0)	3	26	78	25 Sheets
PECWMS-1119BW			0.75 x 0.43 (19.1 x 11.0)	10	24	240	25 Sheets
PECWMS-1138BW			1.50 x 0.43 (38.0 x 11.0)	5	24	120	25 Sheets
PECWMS-1442BW			1.65 x 0.55 (42.0 x 14.0)	4	19	76	25 Sheets
PECWMS-2256BW			2.20 x 0.87 (56.0 x 22.0)	3	12	36	25 Sheets
PECWMS-820B	Yellow with a black frame		0.79 x 0.31 (20.0 x 8.0)	9	33	297	25 Sheets
PECWMS-915B			0.59 x 0.35 (15.0 x 9.0)	12	29	348	25 Sheets
PECWMS-1119B			0.75 x 0.43 (19.1 x 11.0)	10	24	240	25 Sheets
PECWMS-1138B			1.50 x 0.43 (38.0 x 11.0)	5	24	120	25 Sheets
PECWMS-2256B			2.20 x 0.87 (56.0 x 22.0)	3	12	36	25 Sheets
PECWMS-3560B			2.36 x 1.38 (60.0 x 35.0)	3	8	24	25 Sheets
PECWMS-820	Yellow with no frame		0.79 x 0.31 (20.0 x 8.0)	9	33	297	25 Sheets
PECWMS-915			0.59 x 0.35 (15.0 x 9.0)	12	29	348	25 Sheets
PECWMS-1119			0.75 x 0.43 (19.1 x 11.0)	10	24	240	25 Sheets
PECWMS-1138			1.50 x 0.43 (38.0 x 11.0)	5	24	120	25 Sheets

*Order number of sheets required in multiples of Std. Pkg. Qty.

Pinfeed Format

Part Number	Color	Material	Print-On Area Width x Length In. (mm)	Labels Per Row	Rows Per Fanfold	Labels Per Fanfold	Std. Pkg. Qty.*
PEDL-820	Yellow with no frame	GMC Vinyl Cloth	0.79 x 0.31 (20.0 x 8.0)	9	24	216	5000
PEDL-915			0.59 x 0.35 (15.0 x 9.0)	12	24	288	5000
PEDL-1119			0.75 x 0.43 (19.1 x 11.0)	9	18	162	5000
PEDL-1138			1.50 x 0.43 (38.0 x 11.0)	5	18	90	5000
PEDL-2256			2.20 x 0.87 (56.0 x 22.0)	3	12	36	1000

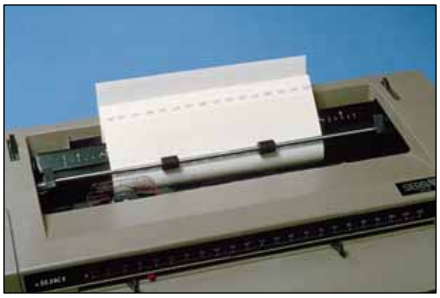
*Order number of labels required in multiples of Std. Pkg. Qty.

Marking Pens

Part Number	Color	Description	Std. Pkg. Qty.*
PX-0	Black	Regular Tip Pen Reversible tip to extend life of pen.	12
PX-2	Red		12
PFX-0	Black	Fine Tip Pen For detailed marking	12
PFX-2	Red		12

*Order number of pens required in multiple of Std. Pkg. Qty.

Typewriter Sheets



- Markers are positioned for standard typewriter spacing
- White Print-On Area with clear lamination
- Available in two materials and two sheet formats

8.5" x 8.5" (215.9mm x 215.9mm) Sheet Size

Part Number	Material	Print-On Area Width x Length In. (mm)	Total Marker Size Width x Length In. (mm)	Markers per Sheet	Nominal Cable Outside Diameter ▪ In. (mm)	Std. Pkg. Qty.*
PSWMS-0515	GMV3 Self-Laminating Vinyl	0.50 x 0.50 (12.7 x 12.7)	0.50 x 1.50 (12.7 x 38.1)	64	0.16 - 0.32 (4.0 - 8.1)	25 Sheets
PSWMS-1015		1.00 x 0.50 (25.4 x 12.7)	1.00 x 1.50 (25.4 x 38.1)	32		
PSWMS-2015		2.00 x 0.50 (50.8 x 12.7)	2.00 x 1.50 (50.8 x 38.1)	16		
PSWMS-1022		1.00 x 0.75 (25.4 x 19.1)	1.00 x 2.25 (25.4 x 57.1)	24	0.24 - 0.48 (6.1 - 12.1)	
PSWMS-2022		2.00 x 0.75 (50.8 x 19.1)	2.00 x 2.25 (50.8 x 57.1)	12		
PSWMS-1037		1.00 x 1.00 (25.4 x 25.4)	1.00 x 3.75 (25.4 x 95.2)	16	0.32 - 0.87 (8.1 - 22.2)	
PSWMS-2037		2.00 x 1.00 (50.8 x 25.4)	2.00 x 3.75 (50.8 x 95.2)	8		

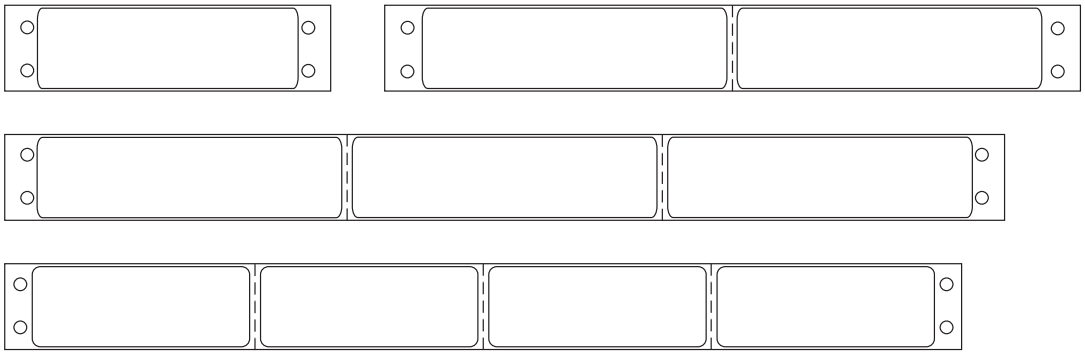
8.3" x 11.7" (210mm x 297mm) Sheet Size

Part Number	Material	Print-On Area Width x Length In. (mm)	Total Marker Size Width x Length In. (mm)	Markers per Sheet	Nominal Cable Outside Diameter ▪ In. (mm)	Std. Pkg. Qty.*
PESWMS-01	GMVF Self-Laminating Vinyl-Free Polyolefin	0.70 x 0.33 (17.8 x 8.5)	0.70 x 1.33 (17.8 x 33.8)	80	0.10 - 0.32 (2.7 - 8.1)	25 Sheets
PESWMS-02		0.90 x 0.50 (22.9 x 12.7)	0.90 x 2.16 (22.9 x 55.0)	40	0.16 - 0.53 (4.0 - 13.4)	
PESWMS-03		1.00 x 0.66 (25.4 x 16.9)	1.00 x 2.66 (25.4 x 67.7)	28	0.21 - 0.64 (5.3 - 16.2)	
PESWMS-04		1.20 x 0.83 (30.5 x 21.2)	1.20 x 2.66 (30.5 x 67.7)	24	0.26 - 0.58 (6.7 - 14.8)	
PESWMS-05		1.40 x 1.00 (35.6 x 25.4)	1.40 x 3.66 (35.6 x 93.1)	15	0.32 - 0.85 (8.1 - 21.5)	
PESWMS-06		1.40 x 1.00 (35.6 x 25.4)	1.40 x 5.50 (35.6 x 139.7)	10	0.32 - 1.43 (8.1 - 36.4)	
PESWMS-07		1.80 x 1.16 (45.7 x 29.6)	1.80 x 5.50 (45.7 x 139.7)	8	0.37 - 1.38 (9.3 - 35.1)	

*Order number of sheets required in multiples of Std. Pkg. Qty.
▪ Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables

General Use Labels

- Highly ink receptive paper for economical printing applications



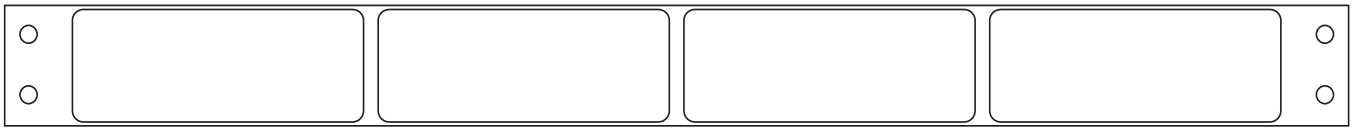
Part Number	Material	Labels Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm0	Std. Pkg. Qty.*
PL2515-1	Litho Paper	2.50 x 0.94 (63.5 x 23.8)	1	3.50 (88.9)	6.00 (152.4)	1.00 (25.4)	5000
PL2515-2		2.50 x 0.94 (63.5 x 23.8)	2	6.00 (152.4)	6.00 (152.4)	1.00 (25.4)	10,000
PL2515-3		2.50 x 0.94 (63.5 x 23.8)	3	8.50 (215.9)	6.00 (152.4)	1.00 (25.4)	15,000
PL2515-4		2.50 x 0.94 (63.5 x 23.8)	4	11.00 (279.4)	6.00 (152.4)	1.00 (25.4)	20,000
PL2515-5		2.50 x 0.94 (63.5 x 23.8)	5	14.00 (355.6)	6.00 (152.4)	1.00 (25.4)	2500
PL2757-1	Litho Paper	2.75 x 0.45 (69.9 x 11.1)	1	3.50 (88.9)	6.00 (152.4)	0.50 (12.7)	10,000
PL2757-4		2.75 x 0.45 (69.9 x 11.1)	4	12.13 (308.1)	6.00 (152.4)	0.50 (12.7)	40,000
PL27515-1		2.75 x 0.94 (69.9 x 23.8)	1	3.50 (88.9)	6.00 (152.4)	1.00 (25.4)	5000
PL27515-3		2.75 x 0.94 (69.9 x 23.8)	3	9.50 (241.3)	6.00 (152.4)	1.00 (25.4)	15,000
PL27515-4		2.75 x 0.94 (69.9 x 23.8)	4	12.13 (308.1)	6.00 (152.4)	1.00 (25.4)	20,000
PL27517-1		2.75 x 1.44 (69.9 x 36.5)	1	3.50 (88.9)	6.00 (152.4)	1.50 (38.1)	5000
PL275115-1		2.75 x 1.94 (69.9 x 49.2)	1	3.50 (88.9)	2.00 (50.8)	2.00 (50.8)	5000
PL2915-4	Litho Paper	2.90 x 0.94 (73.7 x 23.8)	4	12.75 (323.9)	6.00 (152.4)	1.00 (25.4)	20,000
PL315-1	Litho Paper	3.00 x 0.94 (76.2 x 23.8)	1	3.75 (95.3)	6.00 (152.4)	1.00 (25.4)	5000
PL315-4		3.00 x 0.94 (76.2 x 23.8)	4	13.00 (330.2)	6.00 (152.4)	1.00 (25.4)	20,000
PL3215-4	Litho Paper	3.20 x 0.94 (81.3 x 23.8)	4	13.00 (330.2)	6.00 (152.4)	1.00 (25.4)	20,000
PL3315-4	Litho Paper	3.30 x 0.94 (83.82 x 23.8)	4	14.25 (362.0)	6.00 (152.4)	1.00 (25.4)	20,000
PL357-1	Litho Paper	3.50 x 0.45 (88.9 x 11.1)	1	4.25 (108.0)	6.00 (152.4)	0.50 (12.7)	10,000
PL357-2		3.50 x 0.45 (88.9 x 11.1)	2	8.00 (203.2)	6.00 (152.4)	0.50 (12.7)	20,000
PL357-3		3.50 x 0.45 (88.9 x 11.1)	3	11.50 (292.1)	6.00 (152.4)	0.50 (12.7)	30,000
PL3515-1		3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3515-2		3.50 x 0.94 (88.9 x 23.8)	2	8.00 (203.2)	6.00 (152.4)	1.00 (25.4)	10,000
PL3515-3		3.50 x 0.94 (88.9 x 23.8)	3	11.50 (292.1)	6.00 (152.4)	1.00 (25.4)	15,000
PL3515-4		3.50 x 0.94 (88.9 x 23.8)	4	15.25 (387.4)	6.00 (152.4)	1.00 (25.4)	20,000
PL3517-1		3.50 x 1.44 (88.9 x 36.5)	1	4.25 (108.0)	6.00 (152.4)	1.50 (38.1)	5000
PL3517-3		3.50 x 1.44 (88.9 x 36.5)	3	11.00 (279.4)	6.00 (152.4)	1.50 (38.1)	15,000
PL35115-1		3.50 x 1.94 (88.9 x 49.2)	1	4.25 (108.0)	2.00 (50.8)	2.00 (50.8)	5000
PL35115-3		3.50 x 1.94 (88.9 x 49.2)	3	11.50 (292.1)	2.00 (50.8)	2.00 (50.8)	10,000
PL47-1	Litho Paper	4.00 x 0.45 (101.6 x 11.1)	1	4.75 (120.7)	6.00 (152.4)	0.50 (12.7)	10,000
PL415-1		4.00 x 0.94 (101.6 x 23.8)	1	4.75 (120.7)	6.00 (152.4)	1.00 (25.4)	5000
PL415-2		4.00 x 0.94 (101.6 x 23.8)	2	9.00 (228.6)	6.00 (152.4)	1.00 (25.4)	10,000
PL415-3		4.00 x 0.94 (101.6 x 23.8)	3	13.00 (330.2)	6.00 (152.4)	1.00 (25.4)	15,000
PL417-1		4.00 x 1.44 (101.6 x 36.5)	1	5.00 (127.0)	6.00 (152.4)	1.50 (38.1)	5000
PL417-2		4.00 x 1.44 (101.6 x 36.5)	2	9.00 (228.6)	6.00 (152.4)	1.50 (38.1)	10,000
PL417-3		4.00 x 1.44 (101.6 x 36.5)	3	13.00 (330.2)	6.00 (152.4)	1.50 (38.1)	15,000
PL4115-1		4.00 x 1.94 (101.6 x 49.2)	1	4.75 (120.7)	2.00 (50.8)	2.00 (50.8)	5000
PL4115-3		4.00 x 1.94 (101.6 x 49.2)	3	13.00 (330.2)	2.00 (50.8)	2.00 (50.8)	10,000
PL427-1		4.00 x 2.44 (101.6 x 61.9)	1	4.75 (120.7)	2.50 (63.5)	2.50 (63.5)	5000
PL4215-1		4.00 x 2.94 (101.6 x 74.6)	1	4.75 (120.7)	3.00 (76.2)	3.00 (76.2)	5000
PL4215-3		4.00 x 2.94 (101.6 x 74.6)	3	13.00 (330.2)	3.00 (76.2)	3.00 (76.2)	7500
PL425215-1	Litho Paper	4.25 x 2.94 (101.6 x 74.6)	1	5.00 (127.0)	3.00 (76.2)	3.00 (76.2)	5000
PL57-1	Litho Paper	5.00 x 0.45 (127.0 x 11.1)	1	5.75 (146.1)	2.50 (63.5)	0.50 (12.7)	10,000
PL515-1		5.00 x 0.94 (127.0 x 23.8)	1	5.75 (146.1)	6.00 (152.4)	1.00 (25.4)	5000
PL515-2		5.00 x 0.94 (127.0 x 23.8)	2	11.00 (279.4)	6.00 (152.4)	1.00 (25.4)	10,000
PL517-1		5.00 x 1.44 (127.0 x 36.5)	1	5.75 (146.1)	6.00 (152.4)	1.50 (38.1)	5000
PL5115-1		5.00 x 1.94 (127.01 x 49.2)	1	5.75 (146.1)	2.00 (50.8)	2.00 (50.8)	5000
PL5215-1		5.00 x 2.94 (127.0 x 74.6)	1	5.75 (146.1)	3.00 (76.2)	3.00 (76.2)	5000
PL5215-2		5.00 x 2.94 (127.0 x 74.6)	2	11.00 (279.4)	3.00 (76.2)	3.00 (76.2)	5000
PL5315-1		5.00 x 3.94 (127.0 x 100.0)	1	5.75 (146.1)	4.00 (101.6)	4.00 (101.6)	5000
PL5315-2		5.00 x 3.94 (127.0 x 100.0)	2	11.00 (279.4)	4.00 (101.6)	4.00 (101.6)	5000
PL575215-1	Litho Paper	5.75 x 2.94 (146.1 x 74.6)	1	6.50 (165.1)	3.00 (76.2)	3.00 (76.2)	5000
PL7757-1	Litho Paper	7.75 x 0.45 (196.9 x 11.1)	1	8.50 (215.9)	6.00 (152.4)	0.50 (12.7)	10,000
PL77515-1		7.75 x 0.94 (196.9 x 23.8)	1	8.50 (215.9)	6.00 (152.4)	1.00 (25.4)	5000

*Order number of labels required in multiples of Std. Pkg. Qty.

General Use Labels (cont.)

Cheshire Spaced Labels

- Common spacing used on large printers, usually connected to a mainframe computer
- Ideal for large volume mailings
- Large vertical gap between labels



Part Number	Material	Label Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm)	Std. Pkg. Qty.*
PL329-4	Litho Paper	3.20 x 0.90 (81.3 x 22.9)	4	14.88 (378.0)	12.00 (304.8)	1.00 (25.4)	20,000
PL3278-4		3.20 x 0.90 (81.3 x 22.9)	4	14.88 (378.0)	12.00 (304.8)	1.00 (25.4)	40,000

Tinted Labels

- Choose from five pastel colors
- Used to distinguish groups of literature, boxes, packaging, etc.

Part Number	Color Tint	Material	Label Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm)	Std. Pkg. Qty.*
PL3515-1TB	Blue	Litho Paper	3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3515-1TG	Green		3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3515-1TP	Pink		3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3515-1TT	Tan		3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3515-1TY	Yellow		3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL417-1TB	Blue	Litho Paper	4.00 x 0.94 (101.6 x 23.8)	1	4.8 (120.7)	6.00 (152.4)	1.00 (25.4)	5000
PL417-1TG	Green		4.00 x 0.94 (101.6 x 23.8)	1	4.8 (120.7)	6.00 (152.4)	1.00 (25.4)	5000
PL417-1TP	Pink		4.00 x 0.94 (101.6 x 23.8)	1	4.8 (120.7)	6.00 (152.4)	1.00 (25.4)	5000
PL417-1TT	Tan		4.00 x 0.94 (101.6 x 23.8)	1	4.8 (120.7)	6.00 (152.4)	1.00 (25.4)	5000
PL417-1TY	Yellow		4.00 x 0.94 (101.6 x 23.8)	1	4.8 (120.7)	6.00 (152.4)	1.00 (25.4)	5000

File Folder

- Allows identifying and sorting of files by color
- Permanent adhesive

Part Number	Color Tint	Material	Label Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm)	Std. Pkg. Qty.*
PL3510-1F	White	Litho Paper	3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FB	Blue		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FBR	Brown		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FG	Green		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FO	Orange		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FP	Pink		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FPU	Purple		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FR	Red		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3510-1FY	Yellow		3.50 x 0.64 (88.9 x 16.13)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000

*Order number of labels required in multiples of Std. Pkg. Qty.

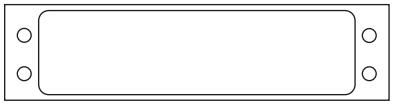
General Use Labels (cont.)

Pricing Labels

- Economical labels that can be used in high volume applications. Ideal for labeling electronic components or anywhere labeling of smaller items is required
- Permanent adhesive

Part Number	Material	Label Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm)	Std. Pkg. Qty.*
PL115-12	Litho Paper	1.00 x 0.94 (25.4 x 23.8)	12 (Joined by perforations)	13.00 (330.2)	1.00 (25.4)	1.00 (25.4)	48,000

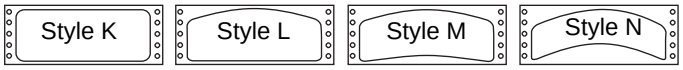
Removable Labels



- Common size mailing with a removable adhesive
- Ideal for any application where removal of label is a factor

Part Number	Material	Label Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm)	Std. Pkg. Qty.*
PL3515-1R	Removable Litho Paper	3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	6.00 (152.4)	1.00 (25.4)	5000
PL3515-3R		3.50 x 0.94 (88.9 x 23.8)	3	11.50 (292.1)	6.00 (152.4)	1.00 (25.4)	15,000
PL417-1R		4.00 x 0.94 (101.6 x 23.8)	1	4.8 (120.7)	6.00 (152.4)	1.00 (25.4)	5000

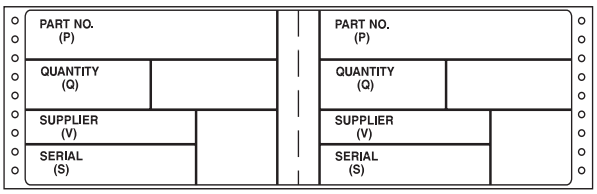
Tape Reel Labels



- Designed for film or video reels
- Smudge-proof surface and a removable adhesive allows reel to be reused and re-labeled

Part Number	Material	Style	Label Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm)	Std. Pkg. Qty.*
PL3515-1TRL	Litho Paper	K	3.50 x 0.94 (88.9 x 23.8)	1	4.25 (108.0)	1.00 (25.4)	1.00 (25.4)	5000
PL3517-1TRL		K	3.50 x 1.44 (88.9 x 36.5)	1	4.25 (108.0)	1.50 (38.1)	1.50 (38.1)	5000
PL417-1TRL		K	4.00 x 1.44 (101.6 x 36.5)	1	4.8 (120.7)	1.50 (38.1)	1.50 (38.1)	5000
PL3817-1TRL		L	3.88 x 1.44 (98.4 x 36.5)	1	4.8 (120.7)	1.50 (38.1)	1.50 (38.1)	5000
PL38175-1TRL		M	3.88 x 1.75 (98.4 x 44.5)	1	4.8 (120.7)	2.00 (50.8)	2.00 (50.8)	5000
PL4175-1TRL		N	4.00 x 1.75 (101.6 x 44.5)	1	4.8 (120.7)	2.00 (50.8)	2.00 (50.8)	5000

Automotive Labels



PL130315-2P Has pre-printed legend

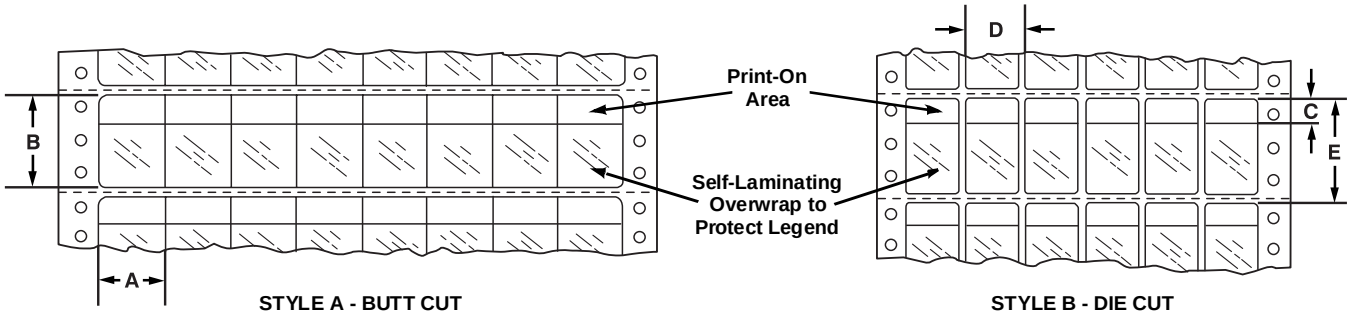
- Sizes used to meet automotive shipping bar code requirements

Part Number	Material	Label Size Width x Length In. (mm)	Labels Per Row	Web Width In. (mm)	Horizontal Sheet Perforations In. (mm)	Vertical Repeat In. (mm)	Std. Pkg. Qty.*
PL130315-2	Litho Paper	13.00 x 3.94 (304.8 x 100.0)	Set of 2	14.00 (355.6)	4.00 (101.6)	4.00 (101.6)	2500
PL130315-2P■		13.00 x 3.94 (304.8 x 100.0)	Set of 2	14.00 (355.6)	4.00 (101.6)	4.00 (101.6)	2500
PL6315-1		6.00 x 3.98 (152.4 x 100.0)	1	6.75 (171.5)	4.00 (101.6)	4.00 (101.6)	2500
PL6315-2		6.00 x 3.98 (152.4 x 100.0)	2	13.00 (330.2)	14.00 (355.6)	4.00 (101.6)	5000
PL65315-2		6.00 x 3.98 (152.4 x 100.0)	2	14.00 (355.6)	4.00 (101.6)	4.00 (101.6)	5000

■ Indicates pre-printed legend

*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Self-Laminating Labels by Size



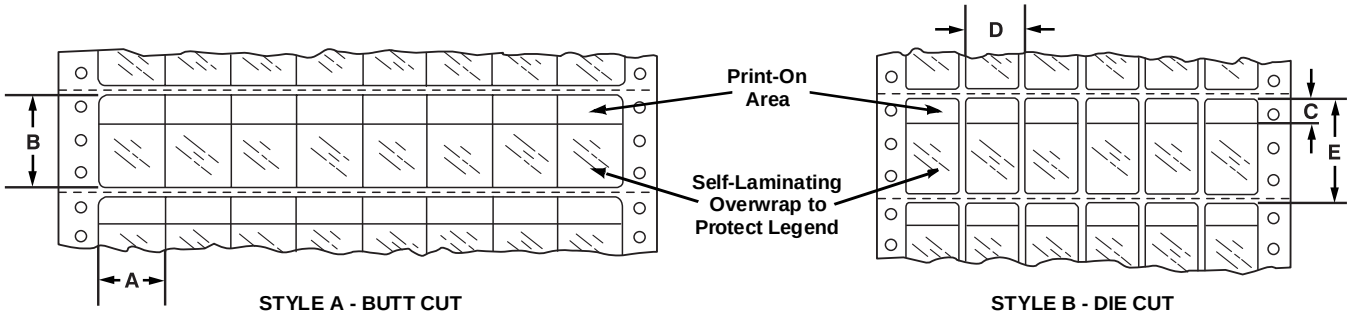
STYLE A - BUTT CUT

STYLE B - DIE CUT

Part Number	Style	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-238	A	SL TEDLAR▲	White	0.30 (7.6)	0.75 (19.1)	0.38 (9.5)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-239	A	SL Vinyl	White	0.30 (7.6)	0.75 (19.1)	0.38 (9.5)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-239VF	A	Vinyl Free SL	White	0.30 (7.6)	0.75 (19.1)	0.38 (9.5)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-240	A	SL TEDLAR	White	0.30 (7.6)	0.94 (23.8)	0.38 (9.5)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-241	A	SL Vinyl	White	0.30 (7.6)	0.94 (23.8)	0.38 (9.5)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-168	A	SL Vinyl	White	0.36 (9.14)	0.94 (23.8)	0.38 (9.5)	0.36 (9.14)	1.00 (25.4)	22	12	7.94 (201.68)	5000
PDL-169	A	SL TEDLAR	White	0.36 (9.14)	0.94 (23.8)	0.38 (9.5)	0.36 (9.14)	1.00 (25.4)	22	12	7.94 (201.68)	5000
PDL-42	B	SL Vinyl	White	0.50 (12.7)	0.75 (19.1)	0.38 (9.5)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	5000
PDL-42-10	B	SL Vinyl	White	0.50 (12.7)	0.75 (19.1)	0.38 (9.5)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	10,000
PDL-88	B	SL TEDLAR	White	0.50 (12.7)	0.75 (19.1)	0.38 (9.5)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	5000
PDL-117	B	SL Vinyl	White	0.50 (12.7)	0.75 (19.1)	0.38 (9.5)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	5000
PDL-118-1	B	SL TEDLAR	White	0.50 (12.7)	0.75 (19.1)	0.38 (9.5)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	1000
PDL-118	B	SL TEDLAR	White	0.50 (12.7)	0.75 (19.1)	0.38 (9.5)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	5000
PDL-118-10	B	SL TEDLAR	White	0.50 (12.7)	0.75 (19.1)	0.38 (9.5)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	10,000
PDL-242	A	SL TEDLAR	White	0.50 (12.7)	0.94 (23.8)	0.38 (9.5)	0.50 (12.7)	1.00 (25.4)	16	12	9.00 (228.6)	5000
PDL-243	A	SL Vinyl	White	0.50 (12.7)	0.94 (23.8)	0.38 (9.5)	0.50 (12.7)	1.00 (25.4)	16	12	9.00 (228.6)	5000
PDL-53	A	SL TEDLAR	White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53B	A	SL TEDLAR	Blue/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53BR	A	SL TEDLAR	Brown/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53G	A	SL TEDLAR	Green/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53GR	A	SL TEDLAR	Gray/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53OR	A	SL TEDLAR	Orange/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53PR	A	SL TEDLAR	Purple/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53R	A	SL TEDLAR	Red/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53Y	A	SL TEDLAR	Yellow/White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-53-10	A	SL TEDLAR	White	0.50 (12.7)	1.38 (34.9)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	10,000
PDL-1-1	A	SL Vinyl	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	1000
PDL-1	A	SL Vinyl	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1B	A	SL Vinyl	Blue/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1BR	A	SL Vinyl	Brown/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1G	A	SL Vinyl	Green/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1GR	A	SL Vinyl	Gray/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1OR	A	SL Vinyl	Orange/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1PR	A	SL Vinyl	Purple/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1R	A	SL Vinyl	Red/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1VF	A	Vinyl Free SL	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1Y	A	SL Vinyl	Yellow/White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	5000
PDL-1-10	A	SL Vinyl	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.50 (12.7)	1.50 (38.1)	16	8	9.00 (228.6)	10,000
PDL-12	B	SL Vinyl	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-61	B	SL TEDLAR	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-6556-2	B	SL Vinyl	White	0.60 (15.2)	1.44 (36.5)	0.50 (12.7)	0.70 (17.8)	1.50 (38.1)	12	8	9.30 (236.2)‡	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Self-Laminating Labels by Size (cont.)



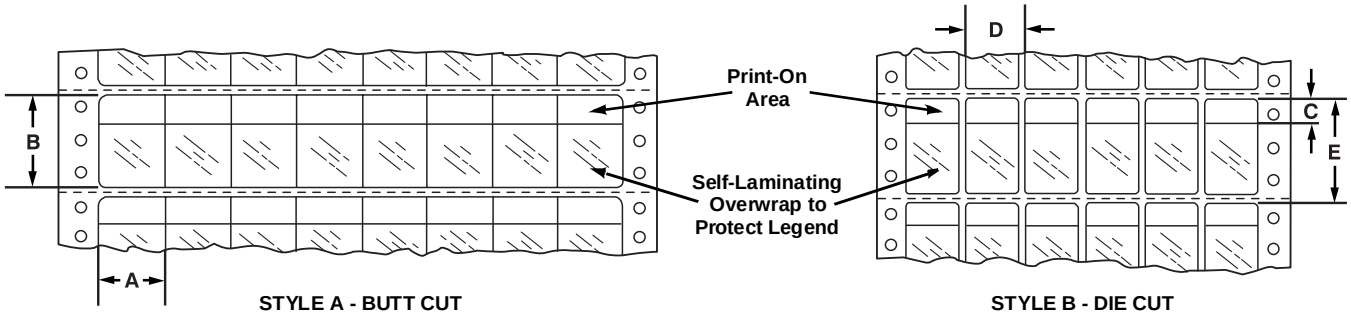
STYLE A - BUTT CUT

STYLE B - DIE CUT

Part Number	Style	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-244	B	SL TEDLAR▲	White	0.75 (19.1)	1.75 (44.5)	0.50 (12.7)	0.90 (22.9)	2.00 (50.8)	9	6	9.00 (228.6)	5000
PDL-245-1	B	SL Vinyl	White	0.75 (19.1)	1.75 (44.5)	0.50 (12.7)	0.90 (22.9)	2.00 (50.8)	9	6	9.00 (228.6)	1000
PDL-245	B	SL Vinyl	White	0.75 (19.1)	1.75 (44.5)	0.50 (12.7)	0.90 (22.9)	2.00 (50.8)	9	6	9.00 (228.6)	5000
PDL-245-10	B	SL Vinyl	White	0.75 (19.1)	1.75 (44.5)	0.50 (12.7)	0.90 (22.9)	2.00 (50.8)	9	6	9.00 (228.6)	10,000
PDL-246	A	SL TEDLAR	White	0.80 (20.3)	0.94 (23.8)	0.38 (9.5)	0.80 (20.3)	1.00 (25.4)	10	12	9.00 (228.6)	5000
PDL-247	A	SL Vinyl	White	0.80 (20.3)	0.94 (23.8)	0.38 (9.5)	0.80 (20.3)	1.00 (25.4)	10	12	9.00 (228.6)	5000
PDL-8-1	B	SL Vinyl	White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	1000
PDL-8	B	SL Vinyl	White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8B	B	SL Vinyl	Blue/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8BR	B	SL Vinyl	Brown/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8G	B	SL Vinyl	Green/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8GR	B	SL Vinyl	Gray/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8OR	B	SL Vinyl	Orange/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8PR	B	SL Vinyl	Purple/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8R	B	SL Vinyl	Red/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8VF	B	Vinyl Free SL	White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8Y	B	SL Vinyl	Yellow/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-8-10	B	SL Vinyl	White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	10,000
PDL-60	B	SL TEDLAR	White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60B	B	SL TEDLAR	Blue/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60BR	B	SL TEDLAR	Brown/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60G	B	SL TEDLAR	Green/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60GR	B	SL TEDLAR	Gray/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60OR	B	SL TEDLAR	Orange/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60PR	B	SL TEDLAR	Purple/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60R	B	SL TEDLAR	Red/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-60Y	B	SL TEDLAR	Yellow/White	0.80 (20.3)	1.44 (36.5)	0.50 (12.7)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-5859-2	A	SL Vinyl	White	0.82 (20.8)	2.00 (50.8)	0.63 (15.9)	0.82 (20.8)	2.13 (54.0)	11	4	10.50 (266.7)‡	5000
PDL-5859-4	A	SL Vinyl	Yellow	0.82 (20.8)	2.00 (50.8)	0.63 (15.9)	0.82 (20.8)	2.13 (54.0)	11	4	10.50 (266.7)‡	5000
PDL-248	A	SL TEDLAR	White	1.00 (25.4)	0.75 (19.1)	0.38 (9.5)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	5000
PDL-249-1	A	SL Vinyl	White	1.00 (25.4)	0.75 (19.1)	0.38 (9.5)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	1000
PDL-249	A	SL Vinyl	White	1.00 (25.4)	0.75 (19.1)	0.38 (9.5)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	5000
PDL-249VF	A	Vinyl Free SL	White	1.00 (25.4)	0.75 (19.1)	0.38 (9.5)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	5000
PDL-249-10	A	SL Vinyl	White	1.00 (25.4)	0.75 (19.1)	0.38 (9.5)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	10,000
PDL-250	A	SL TEDLAR	White	1.00 (25.4)	0.94 (23.8)	0.38 (9.5)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	5000
PDL-251	A	SL Vinyl	White	1.00 (25.4)	0.94 (23.8)	0.38 (9.5)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Self-Laminating Labels by Size (cont.)



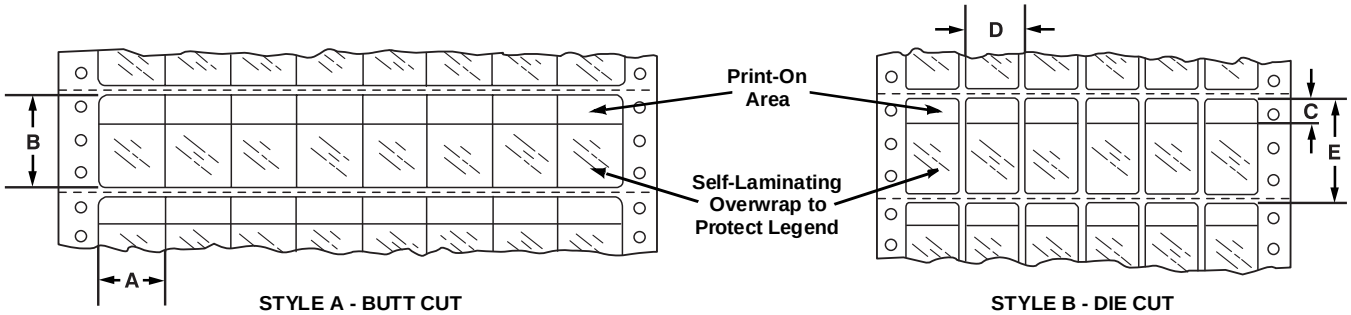
STYLE A - BUTT CUT

STYLE B - DIE CUT

Part Number	Style	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-54	A	SL TEDLAR▲	White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54B	A	SL TEDLAR	Blue/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54BR	A	SL TEDLAR	Brown/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54G	A	SL TEDLAR	Green/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54GR	A	SL TEDLAR	Gray/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54OR	A	SL TEDLAR	Orange/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54PR	A	SL TEDLAR	Purple/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54R	A	SL TEDLAR	Red/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-54Y	A	SL TEDLAR	Yellow/White	1.00 (25.4)	1.38 (34.9)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2-1	A	SL Vinyl	White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	1000
PDL-2	A	SL Vinyl	White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2B	A	SL Vinyl	Blue/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2BR	A	SL Vinyl	Brown/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2G	A	SL Vinyl	Green/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2GR	A	SL Vinyl	Gray/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2OR	A	SL Vinyl	Orange/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2PR	A	SL Vinyl	Purple/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2R	A	SL Vinyl	Red/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2VF	A	Vinyl Free SL	White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2Y	A	SL Vinyl	Yellow/White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	5000
PDL-2-10	A	SL Vinyl	White	1.00 (25.4)	1.44 (36.5)	0.50 (12.7)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	10,000
PDL-9025-10	A	SL Vinyl	White	1.00 (25.4)	1.44 (36.5)	0.62 (15.8)	1.00 (25.4)	1.50 (38.1)	8	8	9.00 (228.6)	10,000
PDL-4	A	SL Vinyl	White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4B	A	SL Vinyl	Blue/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4BR	A	SL Vinyl	Brown/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4G	A	SL Vinyl	Green/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4GR	A	SL Vinyl	Gray/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4OR	A	SL Vinyl	Orange/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4PR	A	SL Vinyl	Purple/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4R	A	SL Vinyl	Red/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4VF	A	Vinyl Free SL	White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4Y	A	SL Vinyl	Yellow/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-4-10	A	SL Vinyl	White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	10,000
PDL-56	A	SL TEDLAR	White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56B	A	SL TEDLAR	Blue/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56BR	A	SL TEDLAR	Brown/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56G	A	SL TEDLAR	Green/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56GR	A	SL TEDLAR	Gray/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56OR	A	SL TEDLAR	Orange/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56PR	A	SL TEDLAR	Purple/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56R	A	SL TEDLAR	Red/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000
PDL-56Y	A	SL TEDLAR	Yellow/White	1.00 (25.4)	2.44 (61.9)	0.75 (19.1)	1.00 (25.4)	2.50 (63.5)	8	4	9.00 (228.6)	1000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Self-Laminating Labels by Size (cont.)



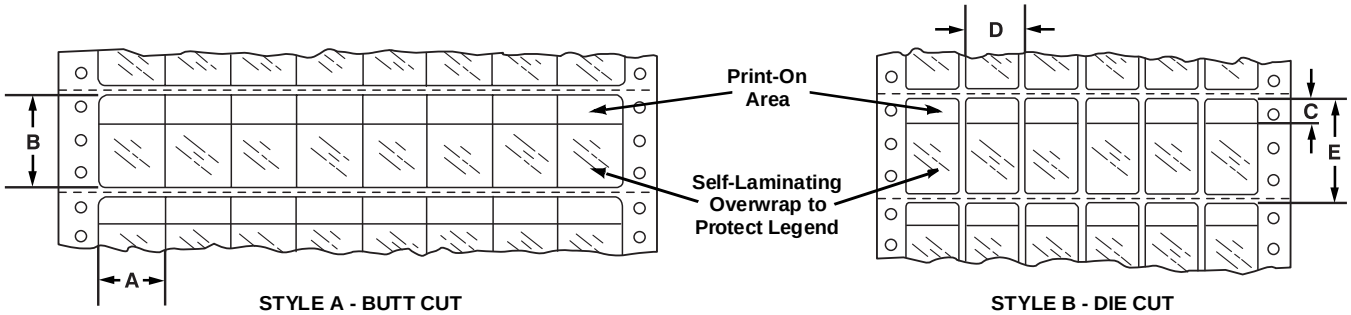
STYLE A - BUTT CUT

STYLE B - DIE CUT

Part Number	Style	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-58	A	SL TEDLAR▲	White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58B	A	SL TEDLAR	Blue/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58BR	A	SL TEDLAR	Brown/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58G	A	SL TEDLAR	Green/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58GR	A	SL TEDLAR	Gray/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58OR	A	SL TEDLAR	Orange/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58PR	A	SL TEDLAR	Purple/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58R	A	SL TEDLAR	Red/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-58Y	A	SL TEDLAR	Yellow/White	1.00 (25.4)	3.87 (98.3)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6	A	SL Vinyl	White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6B	A	SL Vinyl	Blue/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6BR	A	SL Vinyl	Brown/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6G	A	SL Vinyl	Green/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6GR	A	SL Vinyl	Gray/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6OR	A	SL Vinyl	Orange/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6PR	A	SL Vinyl	Purple/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6R	A	SL Vinyl	Red/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6VF	A	Vinyl Free SL	White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6Y	A	SL Vinyl	Yellow/White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	1000
PDL-6-2.5	A	SL Vinyl	White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	2500
PDL-6-10	A	SL Vinyl	White	1.00 (25.4)	3.94 (100.1)	1.00 (25.4)	1.00 (25.4)	4.00 (101.6)	8	3	9.00 (228.6)	10,000
PDL-51	B	SL Vinyl	White	1.00 (25.4)	5.94 (150.9)	1.50 (38.1)	1.10 (27.9)	6.00 (152.4)	8	2	9.50 (241.3)‡	1000
PDL-95	B	SL TEDLAR	White	1.00 (25.4)	5.94 (150.9)	1.50 (38.1)	1.10 (27.9)	6.00 (152.4)	8	2	9.50 (241.3)‡	1000
PDL-123	B	SL TEDLAR	White	1.00 (25.4)	5.94 (150.9)	1.50 (38.1)	1.10 (27.9)	6.00 (152.4)	7	2	9.00 (228.6)	1000
PDL-124	B	SL Vinyl	White	1.00 (25.4)	5.94 (150.9)	1.50 (38.1)	1.10 (27.9)	6.00 (152.4)	7	2	9.00 (228.6)	1000
PDL-124-2.5	B	SL Vinyl	White	1.00 (25.4)	5.94 (150.9)	1.50 (38.1)	1.10 (27.9)	6.00 (152.4)	7	2	9.00 (228.6)	2500
PDL-124-10	B	SL Vinyl	White	1.00 (25.4)	5.94 (150.9)	1.50 (38.1)	1.10 (27.9)	6.00 (152.4)	7	2	9.00 (228.6)	10,000
PDL-52	B	SL Vinyl	White	1.00 (25.4)	7.44 (189.0)	1.50 (38.1)	1.10 (27.9)	7.50 (190.5)	8	1	9.00 (228.6)	1000
PDL-52-2.5	B	SL Vinyl	White	1.00 (25.4)	7.44 (189.0)	1.50 (38.1)	1.10 (27.9)	7.50 (190.5)	8	1	9.00 (228.6)	2500
PDL-96	B	SL TEDLAR	White	1.00 (25.4)	7.44 (189.0)	1.50 (38.1)	1.10 (27.9)	7.50 (190.5)	8	1	9.50 (241.3)‡	1000
PDL-125	B	SL TEDLAR	White	1.00 (25.4)	7.44 (189.0)	1.50 (38.1)	1.10 (27.9)	7.50 (190.5)	7	2	9.00 (228.6)	1000
PDL-126	B	SL Vinyl	White	1.00 (25.4)	7.44 (189.0)	1.50 (38.1)	1.10 (27.9)	7.50 (190.5)	7	2	9.00 (228.6)	1000
PDL-126-10	B	SL Vinyl	White	1.00 (25.4)	7.44 (189.0)	1.50 (38.1)	1.10 (27.9)	7.50 (190.5)	7	2	9.00 (228.6)	10,000
PDL-5859-1	A	SL Vinyl	White	1.13 (28.6)	3.75 (95.3)	1.25 (31.8)	1.13 (28.6)	4.00 (101.6)	8	3	10.50 (266.7)‡	5000
PDL-5859-3	A	SL Vinyl	Yellow	1.13 (28.6)	3.75 (95.3)	1.25 (31.8)	1.13 (28.6)	4.00 (101.6)	8	3	10.50 (266.7)‡	5000
CCS-WHT	A	SL Vinyl	White	1.17 (29.6)	3.00 (76.4)	0.83 (21.1)	1.17 (29.6)	3.33 (84.6)	6	3	9.50 (241.3)‡	5000
CCS-YEL	A	SL Vinyl	Yellow	1.17 (29.6)	3.00 (76.4)	0.83 (21.1)	1.17 (29.6)	3.33 (84.6)	6	3	9.50 (241.3)‡	5000
PDL-6626-10	B	SL Vinyl	White	1.20 (30.5)	2.25 (57.2)	0.60 (15.2)	1.30 (33.0)	2.50 (63.5)	6	4	8.82 (224.0)	10,000
PDL-3523-1	B	SL Vinyl	White	1.50 (38.1)	2.25 (57.2)	0.50 (12.7)	1.60 (40.6)	2.50 (63.5)	5	4	9.50 (241.3)‡	1000
PDL-361-1	B	SL Vinyl	White	1.50 (38.1)	3.63 (92.1)	0.80 (20.3)	1.60 (40.6)	4.00 (101.6)	5	3	9.00 (228.6)	1000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Self-Laminating Labels by Size (cont.)



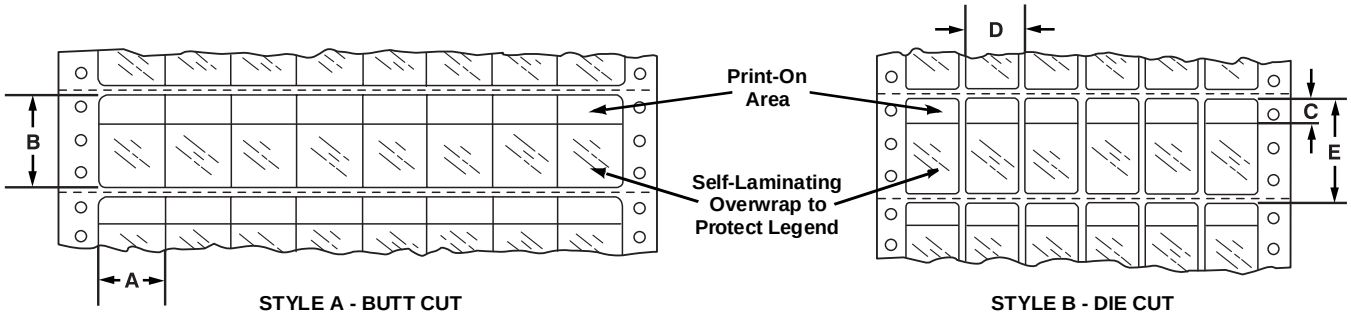
STYLE A - BUTT CUT

STYLE B - DIE CUT

Part Number	Style	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-18	B	SL Vinyl	White	1.90 (48.3)	3.19 (81.0)	0.75 (19.1)	2.00 (50.8)	3.50 (88.9)	4	3	9.50 (241.3)‡	1000
PDL-18-2.5	B	SL Vinyl	White	1.90 (48.3)	3.19 (81.0)	0.75 (19.1)	2.00 (50.8)	3.50 (88.9)	4	3	9.50 (241.3)‡	2500
PDL-18-10	B	SL Vinyl	White	1.90 (48.3)	3.19 (81.0)	0.75 (19.1)	2.00 (50.8)	3.50 (88.9)	4	3	9.50 (241.3)‡	10,000
PDL-64	B	SL TEDLAR ▲	White	1.90 (48.3)	3.19 (81.0)	0.75 (19.1)	2.00 (50.8)	3.50 (88.9)	4	3	9.50 (241.3)‡	1000
PDL-108	B	SL TEDLAR	White	1.90 (48.3)	3.19 (81.0)	0.75 (19.1)	2.00 (50.8)	3.50 (88.9)	3	3	7.50 (190.5)	1000
PDL-109	B	SL Vinyl	White	1.90 (48.3)	3.19 (81.0)	0.75 (19.1)	2.00 (50.8)	3.50 (88.9)	3	3	7.50 (190.5)	1000
PDL-109-2.5	B	SL Vinyl	White	1.90 (48.3)	3.19 (81.0)	0.75 (19.1)	2.00 (50.8)	3.50 (88.9)	3	3	7.50 (190.5)	2500
PDL-55	A	SL TEDLAR	White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55B	A	SL TEDLAR	Blue/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55BR	A	SL TEDLAR	Brown/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55G	A	SL TEDLAR	Green/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55GR	A	SL TEDLAR	Gray/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55OR	A	SL TEDLAR	Orange/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55PR	A	SL TEDLAR	Purple/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55R	A	SL TEDLAR	Red/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-55Y	A	SL TEDLAR	Yellow/White	2.00 (50.8)	1.38 (34.9)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3-1	A	SL Vinyl	White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	1000
PDL-3	A	SL Vinyl	White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3B	A	SL Vinyl	Blue/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3BR	A	SL Vinyl	Brown/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3G	A	SL Vinyl	Green/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3GR	A	SL Vinyl	Gray/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3OR	A	SL Vinyl	Orange/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3PR	A	SL Vinyl	Purple/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3R	A	SL Vinyl	Red/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3VF	A	Vinyl Free SL	White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3Y	A	SL Vinyl	Yellow/White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	5000
PDL-3-10	A	SL Vinyl	White	2.00 (50.8)	1.44 (36.5)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	4	8	9.00 (228.6)	10,000
PDL-5	A	SL Vinyl	White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5B	A	SL Vinyl	Blue/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5BR	A	SL Vinyl	Brown/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5G	A	SL Vinyl	Green/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5GR	A	SL Vinyl	Gray/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5OR	A	SL Vinyl	Orange/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5PR	A	SL Vinyl	Purple/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5R	A	SL Vinyl	Red/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5Y	A	SL Vinyl	Yellow/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-5-2.5	A	SL Vinyl	White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	2500
PDL-5-10	A	SL Vinyl	White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	10,000
PDL-5VF-10	A	Vinyl Free SL	White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	10,000
PDL-57	A	SL TEDLAR	White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-57B	A	SL TEDLAR	Blue/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-57BR	A	SL TEDLAR	Brown/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Self-Laminating Labels by Size (cont.)



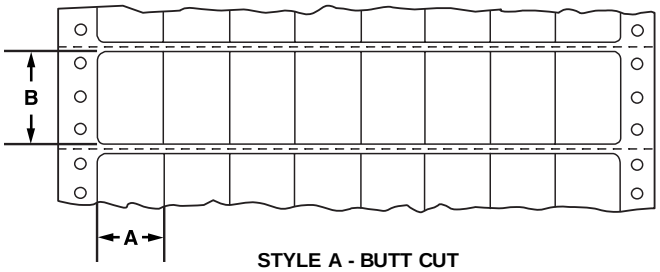
STYLE A - BUTT CUT

STYLE B - DIE CUT

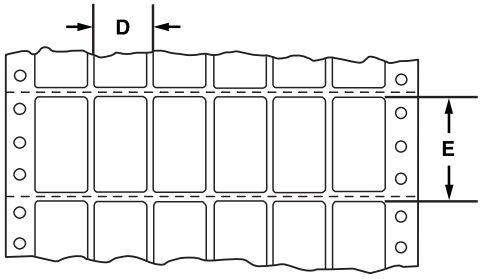
Part Number	Style	Material	Print-On Area Color	Label Width A In. (mm)	Label Length B In. (mm)	Print-On Length C In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-57G	A	SL TEDLAR▲	Green/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-57GR	A	SL TEDLAR	Gray/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-57OR	A	SL TEDLAR	Orange/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-57PR	A	SL TEDLAR	Purple/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-57R	A	SL TEDLAR	Red/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-57Y	A	SL TEDLAR	Yellow/White	2.00 (50.8)	2.44 (61.9)	0.75 (19.1)	2.00 (50.8)	2.50 (63.5)	4	4	9.00 (228.6)	1000
PDL-59	A	SL TEDLAR	White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59B	A	SL TEDLAR	Blue/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59BR	A	SL TEDLAR	Brown/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59G	A	SL TEDLAR	Green/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59GR	A	SL TEDLAR	Gray/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59OR	A	SL TEDLAR	Orange/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59PR	A	SL TEDLAR	Purple/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59R	A	SL TEDLAR	Red/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59Y	A	SL TEDLAR	Yellow/White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-59-10	A	SL TEDLAR	White	2.00 (50.8)	3.87 (98.3)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	10,000
PDL-7	A	SL Vinyl	White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-7B	A	SL Vinyl	Blue/White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-7G	A	SL Vinyl	Green/White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-7R	A	SL Vinyl	Red/White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-7VF	A	Vinyl Free SL	White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-7Y	A	SL Vinyl	Yellow/White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	1000
PDL-7-2.5	A	SL Vinyl	White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	2500
PDL-7-10	A	SL Vinyl	White	2.00 (50.8)	3.94 (100.1)	1.00 (25.4)	2.00 (50.8)	4.00 (101.6)	4	3	9.00 (228.6)	10,000
PDL-16	B	SL Vinyl	White	2.00 (50.8)	5.94 (150.9)	1.50 (38.1)	2.10 (53.4)	6.00 (152.4)	6	2	13.50 (342.9)‡	1000
PDL-16-2.5	B	SL Vinyl	White	2.00 (50.8)	5.94 (150.9)	1.50 (38.1)	2.10 (53.4)	6.00 (152.4)	6	2	13.50 (342.9)‡	2500
PDL-16-10	B	SL Vinyl	White	2.00 (50.8)	5.94 (150.9)	1.50 (38.1)	2.10 (53.4)	6.00 (152.4)	6	2	13.50 (342.9)‡	10,000
PDL-62	B	SL TEDLAR	White	2.00 (50.8)	5.94 (150.9)	1.50 (38.1)	2.10 (53.4)	6.00 (152.4)	6	2	13.50 (342.9)‡	1000
PDL-133	B	SL Vinyl	White	2.00 (50.8)	5.94 (150.9)	1.50 (38.1)	2.10 (53.4)	6.00 (152.4)	3	2	7.00 (177.8)	1000
PDL-134	B	SL TEDLAR	White	2.00 (50.8)	5.94 (150.9)	1.50 (38.1)	2.10 (53.4)	6.00 (152.4)	3	2	7.00 (177.8)	1000
PDL-17	B	SL Vinyl	White	2.00 (50.8)	7.44 (189.0)	1.50 (38.1)	2.20 (55.9)	7.50 (190.5)	4	1	9.40 (238.8)‡	1000
PDL-17-2.5	B	SL Vinyl	White	2.00 (50.8)	7.44 (189.0)	1.50 (38.1)	2.20 (55.9)	7.50 (190.5)	4	1	9.40 (238.8)‡	2500
PDL-63	B	SL TEDLAR	White	2.00 (50.8)	7.44 (189.0)	1.50 (38.1)	2.20 (55.9)	7.50 (190.5)	4	1	9.40 (238.8)‡	1000
PDL-115	B	SL Vinyl	White	2.00 (50.8)	7.44 (189.0)	1.50 (38.1)	2.20 (55.9)	7.50 (190.5)	3	2	7.20 (182.9)	1000
PDL-115-2.5	B	SL Vinyl	White	2.00 (50.8)	7.44 (189.0)	1.50 (38.1)	2.20 (55.9)	7.50 (190.5)	3	2	7.20 (182.9)	2500
PDL-116	B	SL TEDLAR	White	2.00 (50.8)	7.44 (189.0)	1.50 (38.1)	2.20 (55.9)	7.50 (190.5)	3	2	7.20 (182.9)	1000
PDL-362-1	B	SL Vinyl	White	2.00 (50.8)	9.00 (228.6)	1.50 (38.1)	2.10 (53.4)	9.50 (241.3)	4	1	9.40 (238.8)‡	1000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Blank Labels by Size



STYLE A - BUTT CUT

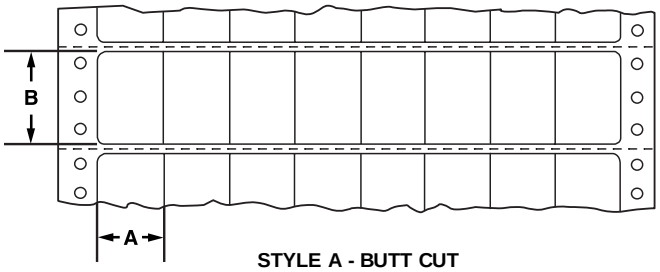


STYLE B - DIE CUT

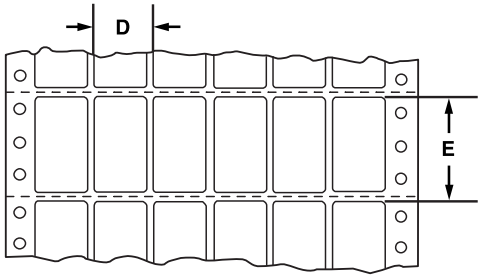
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-176	B	Vinyl Cloth	White	0.25 (6.4)	1.44 (36.6)	0.25 (6.4)	1.50 (38.1)	36	8	10.00 (254.0)‡	5000
PDL-177	B	Polyester	White	0.25 (6.4)	1.44 (36.6)	0.25 (6.4)	1.50 (38.1)	36	8	10.00 (254.0)‡	5000
PDL-178	B	Vinyl	White	0.25 (6.4)	1.44 (36.6)	0.25 (6.4)	1.50 (38.1)	36	8	10.00 (254.0)‡	5000
PDL-179	B	TEDLAR▲	White	0.25 (6.4)	1.44 (36.6)	0.25 (6.4)	1.50 (38.1)	36	8	10.00 (254.0)‡	5000
PDL-347	B	Vinyl Cloth	White	0.28 (7.1)	0.25 (6.4)	0.40 (10.2)	0.25 (6.4)	10	2800•	5.00 (127.0)	1 Roll (28,000 Labels)
PDL-7966-10	B	TEDLAR	White	0.30 (7.6)	0.20 (5.1)	0.40 (10.2)	0.33 (8.5)	16	36	7.30 (185.4)	10,000
PDL-252	A	Polyimide	Amber	0.30 (7.6)	0.30 (7.6)	0.30 (7.6)	0.50 (12.7)	16	24	5.80 (147.3)	5000
PDL-252-10	A	Polyimide	Amber	0.30 (7.6)	0.30 (7.6)	0.30 (7.6)	0.50 (12.7)	16	24	5.80 (147.3)	10,000
PDL-253	A	Polyester	White	0.30 (7.6)	0.30 (7.6)	0.30 (7.6)	0.50 (12.7)	16	24	5.80 (147.3)	5000
PDL-253-10	A	Polyester	White	0.30 (7.6)	0.30 (7.6)	0.30 (7.6)	0.50 (12.7)	16	24	5.80 (147.3)	10,000
PDL-254	A	Vinyl Cloth	White	0.30 (7.6)	0.75 (19.1)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-256	A	TEDLAR	White	0.30 (7.6)	0.75 (19.1)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-257	A	Vinyl Cloth	White	0.30 (7.6)	0.94 (23.8)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-259	A	TEDLAR	White	0.30 (7.6)	0.94 (23.8)	0.30 (7.6)	1.00 (25.4)	16	12	5.80 (147.3)	5000
PDL-351	B	Vinyl Cloth	White	0.31 (7.9)	0.38 (9.5)	0.40 (10.2)	0.38 (9.5)	10	1867•	5.00 (127.0)	1 Roll (18,670 Labels)
PDL-353	B	Vinyl Cloth	White	0.31 (7.9)	0.50 (12.7)	0.40 (10.2)	0.50 (12.7)	10	1400•	5.00 (127.0)	1 Roll (14,000 Labels)
PDL-349	Strip	Vinyl Cloth	White	0.31 (7.9)	700 (17780)	0.40 (10.2)	—	10	1•	5.00 (127.0)	1 Roll (10 Strips)
PDL-260	A	Vinyl Cloth	White	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.50 (12.7)	16	24	8.90 (226.1)	5000
PDL-262	A	Polyimide	Amber	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.50 (12.7)	16	24	8.90 (226.1)	5000
PDL-262-10	A	Polyimide	Amber	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.50 (12.7)	16	24	8.90 (226.1)	10,000
PDL-263	A	Destr. Vinyl	White	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.50 (12.7)	16	24	8.90 (226.1)	5000
PDL-264	A	Polyester	White	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.50 (12.7)	16	24	8.90 (226.1)	5000
PDL-264-10	A	Polyester	White	0.38 (9.5)	0.38 (9.5)	0.50 (12.7)	0.50 (12.7)	16	24	8.90 (226.1)	10,000
PDL-180	B	Vinyl Cloth	White	0.38 (9.5)	1.44 (36.6)	0.38 (9.5)	1.50 (38.1)	24	8	10.00 (254.0)‡	5000
PDL-181	B	Polyester	White	0.38 (9.5)	1.44 (36.6)	0.38 (9.5)	1.50 (38.1)	24	8	10.00 (254.0)‡	5000
PDL-182	B	Vinyl	White	0.38 (9.5)	1.44 (36.6)	0.38 (9.5)	1.50 (38.1)	24	8	10.00 (254.0)‡	5000
PDL-183	B	TEDLAR	White	0.38 (9.5)	1.44 (36.6)	0.38 (9.5)	1.50 (38.1)	24	8	10.00 (254.0)‡	5000
PDL-355	Strip	Vinyl Cloth	White	0.38 (9.5)	700 (17780)	0.50 (12.7)	—	8	1•	5.00 (127.0)	1 Roll (8 Strips)
PDL-100	B	TEDLAR	White	0.44 (11.1)	2.56 (65.0)	0.60 (15.2)	3.00 (76.2)	12	4	8.04 (204.2)	5000
PDL-101	B	Polyester	White	0.44 (11.1)	2.56 (65.0)	0.60 (15.2)	3.00 (76.2)	12	4	8.04 (204.2)	5000
PDL-102	B	Vinyl Cloth	White	0.44 (11.1)	2.56 (65.0)	0.60 (15.2)	3.00 (76.2)	12	4	8.04 (204.2)	5000
PDL-103	B	Vinyl	White	0.44 (11.1)	2.56 (65.0)	0.60 (15.2)	3.00 (76.2)	12	4	8.04 (204.2)	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
•Indicates label is roll mounted on 3" (76.2 mm) core
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty. For roll mounted labels, order number of rolls required in multiples of Std. Pkg. Qty.

PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT

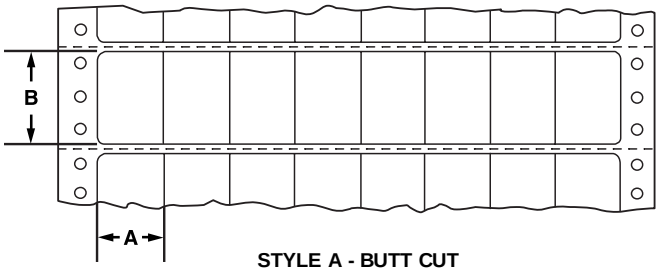


STYLE B - DIE CUT

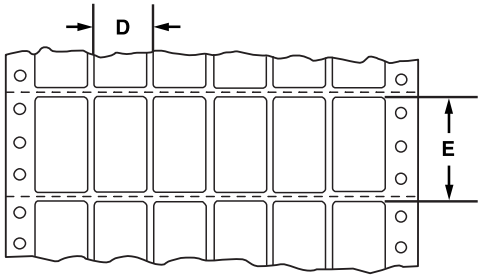
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-104	B	TEDLAR▲	White	0.44 (11.1)	3.63 (92.1)	0.60 (15.2)	4.00 (101.6)	12	3	8.04 (204.2)	5000
PDL-105	B	Polyester	White	0.44 (11.1)	3.63 (92.1)	0.60 (15.2)	4.00 (101.6)	12	3	8.04 (204.2)	5000
PDL-106-1	B	Vinyl Cloth	White	0.44 (11.1)	3.63 (92.1)	0.60 (15.2)	4.00 (101.6)	12	3	8.04 (204.2)	1000
PDL-106	B	Vinyl Cloth	White	0.44 (11.1)	3.63 (92.1)	0.60 (15.2)	4.00 (101.6)	12	3	8.04 (204.2)	5000
PDL-106-10	B	Vinyl Cloth	White	0.44 (11.1)	3.63 (92.1)	0.60 (15.2)	4.00 (101.6)	12	3	8.04 (204.2)	10,000
PDL-107	B	Vinyl	White	0.44 (11.1)	3.63 (92.1)	0.60 (15.2)	4.00 (101.6)	12	3	8.04 (204.2)	5000
PDL-45-1	A	Vinyl Cloth	White	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	1000
PDL-45	A	Vinyl Cloth	White	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	5000
PDL-45-10	A	Vinyl Cloth	White	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	10,000
PDL-46	A	Destr. Vinyl	White	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	5000
PDL-47	A	Polyester	White	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	5000
PDL-47-10	A	Polyester	White	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	10,000
PDL-48-1	A	Polyester	Silver	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	1000
PDL-48	A	Polyester	Silver	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	5000
PDL-48-10	A	Polyester	Silver	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	10,000
PDL-91	A	Remov. Paper	White	0.50 (12.7)	0.44 (11.1)	0.50 (12.7)	0.50 (12.7)	16	24	9.00 (228.6)	5000
PDL-43	B	Vinyl Cloth	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	5000
PDL-43-10	B	Vinyl Cloth	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	10,000
PDL-44	B	TEDLAR	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	5000
PDL-89	B	Destr. Paper	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	5000
PDL-90	B	Polyester	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	14	12	9.30 (236.2)‡	5000
PDL-119	B	Vinyl Cloth	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	5000
PDL-120	B	TEDLAR	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	5000
PDL-120-10	B	TEDLAR	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	10,000
PDL-121	B	Polyester	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	5000
PDL-122	B	Destr. Paper	White	0.50 (12.7)	0.75 (19.1)	0.60 (15.2)	1.00 (25.4)	12	12	8.10 (205.7)	5000
PDL-265	A	Vinyl Cloth	White	0.50 (12.7)	0.94 (23.8)	0.50 (12.7)	1.00 (25.4)	16	12	9.00 (228.6)	5000
PDL-267	A	TEDLAR	White	0.50 (12.7)	0.94 (23.8)	0.50 (12.7)	1.00 (25.4)	16	12	9.00 (228.6)	5000
PDL-13-1	B	Vinyl Cloth	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	1000
PDL-13	B	Vinyl Cloth	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-13-10	B	Vinyl Cloth	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	10,000
PDL-14	B	Polyester	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-14-10	B	Polyester	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	10,000
PDL-15	B	Vinyl	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-184	B	Vinyl Cloth	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	1.50 (38.1)	18	8	10.00 (254.0)‡	5000
PDL-185	B	Polyester	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	1.50 (38.1)	18	8	10.00 (254.0)‡	5000
PDL-186	B	Vinyl	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	1.50 (38.1)	18	8	10.00 (254.0)‡	5000
PDL-187	B	TEDLAR	White	0.50 (12.7)	1.44 (36.5)	0.50 (12.7)	1.50 (38.1)	18	8	10.00 (254.0)‡	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT



STYLE B - DIE CUT

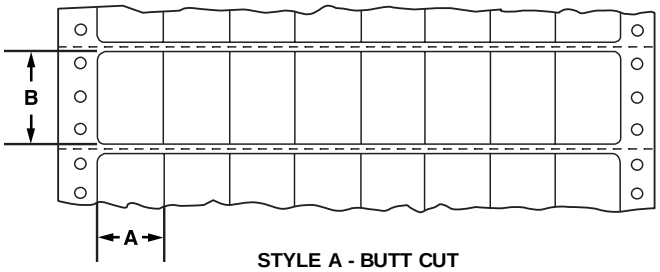
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-135 thru PDL-138 have a horizontal slit 0.13" (3.2mm) from top of label (see drawing below)											
PDL-135	B	Vinyl Cloth	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-136	B	Polyester	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-137	B	TEDLAR▲	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-138	B	Destr. Paper	White	0.50 (12.7)	1.44 (36.5)	0.60 (15.2)	1.50 (38.1)	12	8	8.10 (205.7)	5000
PDL-402-D	B	Polyester	Clear	0.56 (14.3)	0.19 (4.8)	0.70 (17.8)	0.33 (8.5)	10	36	7.86 (199.6)	500
PDL-402-10	B	Polyester	Clear	0.56 (14.3)	0.19 (4.8)	0.70 (17.8)	0.33 (8.5)	10	36	7.86 (199.6)	10,000
PDL-405-D	B	Polyester	White	0.56 (14.3)	0.19 (4.8)	0.70 (17.8)	0.33 (8.5)	10	36	7.86 (199.6)	500
PDL-405-10	B	Polyester	White	0.56 (14.3)	0.19 (4.8)	0.70 (17.8)	0.33 (8.5)	10	36	7.86 (199.6)	10,000
PDL-400	B	Polyester	Elec. Ivory	0.56 (14.3)	0.56 (14.3)	0.70 (17.8)	0.75 (19.1)	10	16	7.86 (199.6)	5000
PDL-401-D	B	Polyester	Clear	0.56 (14.3)	0.56 (14.3)	0.70 (17.8)	0.75 (19.1)	10	16	7.86 (199.6)	500
PDL-401	B	Polyester	Clear	0.56 (14.3)	0.56 (14.3)	0.70 (17.8)	0.75 (19.1)	10	16	7.86 (199.6)	5000
PDL-401-10	B	Polyester	Clear	0.56 (14.3)	0.56 (14.3)	0.70 (17.8)	0.75 (19.1)	10	16	7.86 (199.6)	10,000
PDL-406-D	B	Polyester	White	0.56 (14.3)	0.56 (14.3)	0.70 (17.8)	0.75 (19.1)	10	16	7.86 (199.6)	500
PDL-406-10	B	Polyester	White	0.56 (14.3)	0.56 (14.3)	0.70 (17.8)	0.75 (19.1)	10	16	7.86 (199.6)	10,000
PDL-193	B	Vinyl Cloth	Yellow	0.59 (15.0)	0.35 (9.0)	0.70 (17.8)	0.50 (12.7)	12	24	9.30 (236.2)‡	5000
PDL-194	B	Vinyl Cloth	White	0.59 (15.0)	0.35 (9.0)	0.70 (17.8)	0.50 (12.7)	12	24	9.30 (236.2)‡	5000
PDL-34-1	B	Vinyl Cloth	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	1000
PDL-34	B	Vinyl Cloth	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-34-10	B	Vinyl Cloth	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	10,000
PDL-35-1	B	Destr. Vinyl	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	1000
PDL-35	B	Destr. Vinyl	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-35-10	B	Destr. Vinyl	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	10,000
PDL-36	B	Polyester	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-36-10	B	Polyester	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	10,000
PDL-82	B	Destr. Paper	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-83	B	TEDLAR	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-83-10	B	TEDLAR	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	10,000
PDL-189	B	Vinyl	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-233	B	Polyimide	Amber	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-233-10	B	Polyimide	Amber	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	10,000
PDL-234	B	Polyester	Silver	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000
PDL-234-10	B	Polyester	Silver	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	10,000
PDL-269 has tamper resistant slits (see drawing below)											
PDL-269	B	Polyester	White	0.65 (16.5)	0.20 (5.1)	0.80 (20.3)	0.25 (6.4)	10	48	8.85 (224.8)	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

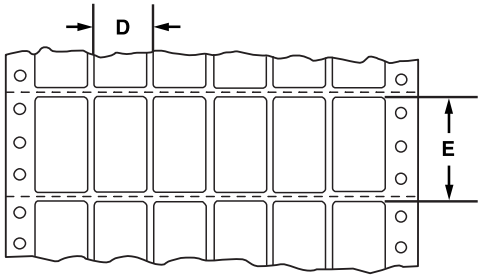
PDL-135
PDL-136
PDL-137
PDL-138

PDL-269

PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT

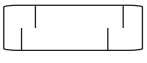


STYLE B - DIE CUT

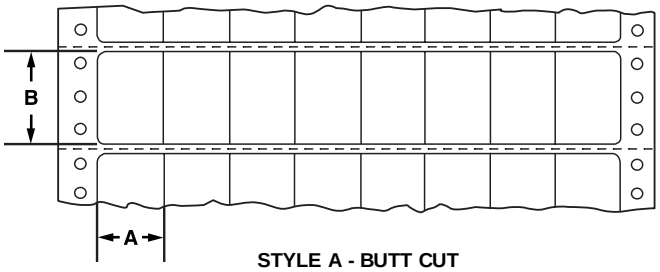
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-37-1	B	Vinyl Cloth	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	1000
PDL-37	B	Vinyl Cloth	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-37-10	B	Vinyl Cloth	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	10,000
PDL-37-50	B	Vinyl Cloth	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	50,000
PDL-38	B	Destr. Vinyl	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-38-10	B	Destr. Vinyl	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	10,000
PDL-39	B	Polyester	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-39-10	B	Polyester	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	10,000
PDL-84	B	TEDLAR▲	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-85	B	Destr. Paper	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-190	B	Vinyl	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-235	B	Polyimide	Amber	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-235-10	B	Polyimide	Amber	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	10,000
PDL-236	B	Polyester	Silver	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-236-10	B	Polyester	Silver	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	10,000
PDL-270	B	Vinyl Cloth	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.38 (9.5)	9	32	9.00 (228.6)	5000
PDL-272	B	Polyimide	Amber	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.38 (9.5)	9	32	9.00 (228.6)	5000
PDL-273	B	Destr. Vinyl	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.38 (9.5)	9	32	9.00 (228.6)	5000
PDL-274	B	Polyester	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.38 (9.5)	9	32	9.00 (228.6)	5000
PDL-274-10	B	Polyester	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.38 (9.5)	9	32	9.00 (228.6)	10,000
PDL-275	B	Polyester	Silver	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.38 (9.5)	9	32	9.00 (228.6)	5000
PDL-276 thru PDL-277-10 have tamper resistant slits (see drawing below)											
PDL-276	B	Polyimide	Amber	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-277	B	Polyester	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	5000
PDL-277-10	B	Polyester	White	0.75 (19.1)	0.25 (6.4)	0.90 (22.9)	0.33 (8.5)	9	36	9.00 (228.6)	10,000
PDL-191	B	Vinyl Cloth	Yellow	0.79 (20.0)	0.32 (8.0)	0.90 (22.9)	0.50 (12.7)	9	24	9.00 (228.6)	5000
PDL-192	B	Vinyl Cloth	White	0.79 (20.0)	0.32 (8.0)	0.90 (22.9)	0.50 (12.7)	9	24	9.00 (228.6)	5000
PDL-278	A	Polyimide	Amber	0.80 (20.3)	0.20 (5.1)	0.80 (20.3)	0.33 (8.5)	10	36	9.00 (228.6)	5000
PDL-279	A	Polyester	White	0.80 (20.3)	0.20 (5.1)	0.80 (20.3)	0.33 (8.5)	10	36	9.00 (228.6)	5000
PDL-279-10	A	Polyester	White	0.80 (20.3)	0.20 (5.1)	0.80 (20.3)	0.33 (8.5)	10	36	9.00 (228.6)	10,000
PDL-167	B	Destr. Paper	White	0.80 (20.3)	0.25 (6.4)	0.80 (20.3)	0.38 (9.5)	10	32	9.00 (228.6)	5000
PDL-170	B	Remov. Paper	White	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	5000
PDL-170-10	B	Remov. Paper	White	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	10,000
PDL-171	B	Vinyl	White	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	5000
PDL-172	B	Polyester	White	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	5000
PDL-172-10	B	Polyester	White	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	10,000
PDL-173	B	Polyimide	Amber	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	5000
PDL-174	B	Destr. Paper	White	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	5000
PDL-172R	B	Polyester	White	0.80 (20.3)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	1000•	9.00 (228.6)	1 Roll (10,000 Labels)

▲TEDLAR is the registered trademark of E. I. DuPont Co.
•Indicates label is roll mounted on 3" (76.2 mm) core
*Order number of labels required in multiples of Std. Pkg. Qty. For roll mounted labels, order number of rolls required in multiples of Std. Pkg. Qty.

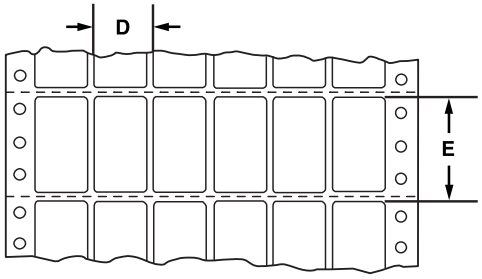
PDL-276
PDL-277
PDL-277-10



PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT

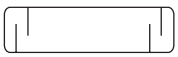


STYLE B - DIE CUT

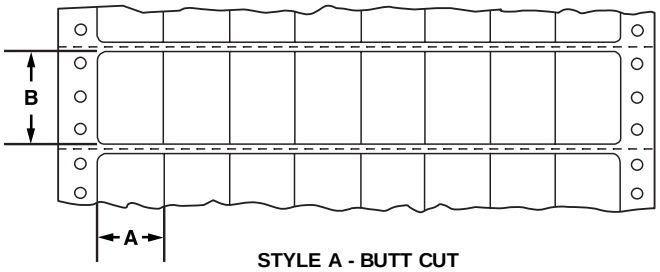
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-280	A	Vinyl Cloth	White	0.80 (20.3)	0.94 (23.8)	0.80 (20.3)	1.00 (25.4)	10	12	9.00 (228.6)	5000
PDL-280-10	A	Vinyl Cloth	White	0.80 (20.3)	0.94 (23.8)	0.80 (20.3)	1.00 (25.4)	10	12	9.00 (228.6)	10,000
PDL-282	A	TEDLAR▲	White	0.80 (20.3)	0.94 (23.8)	0.80 (20.3)	1.00 (25.4)	10	12	9.00 (228.6)	5000
PDL-9	B	Vinyl Cloth	White	0.80 (20.3)	1.44 (36.5)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-9-10	B	Vinyl Cloth	White	0.80 (20.3)	1.44 (36.5)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	10,000
PDL-9-10T On Thin Liner	B	Vinyl Cloth	White	0.80 (20.3)	1.44 (36.5)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	10,000
PDL-10-1	B	TEDLAR	White	0.80 (20.3)	1.44 (36.5)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	1000
PDL-10	B	TEDLAR	White	0.80 (20.3)	1.44 (36.5)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-11	B	Vinyl	White	0.80 (20.3)	1.44 (36.5)	0.90 (22.9)	1.50 (38.1)	6	8	6.30 (160.0)	5000
PDL-175	B	Polyester	Silver	0.81 (20.7)	0.50 (12.7)	0.80 (20.3)	0.63 (15.9)	10	16	9.00 (228.6)	5000
PDL-23-1	B	TEDLAR	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	10	36	10.90 (276.9)‡	1000
PDL-23	B	TEDLAR	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	10	36	10.90 (276.9)‡	5000
PDL-23-10	B	TEDLAR	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	10	36	10.90 (276.9)‡	10,000
PDL-49	B	TEDLAR	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	5000
PDL-49-10	B	TEDLAR	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	10,000
PDL-50	B	Polyimide	Amber	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	5000
PDL-50-10	B	Polyimide	Amber	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	10,000
PDL-66	B	Vinyl Cloth	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	10	36	10.90 (276.9)‡	5000
PDL-67	B	Destr. Paper	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	10	36	10.90 (276.9)‡	5000
PDL-68	B	Polyester	Silver	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	10	36	10.90 (276.9)‡	5000
PDL-92	B	Destr. Paper	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	5000
PDL-93	B	Vinyl Cloth	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	5000
PDL-94-1	B	Polyester	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	1000
PDL-94	B	Polyester	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	5000
PDL-94-10	B	Polyester	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	10,000
PDL-283	B	Polyimide	Amber	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.38 (9.5)	8	32	8.90 (226.1)	5000
PDL-284	B	TEDLAR	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.38 (9.5)	8	32	8.90 (226.1)	5000
PDL-285	B	Polyester	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.38 (9.5)	8	32	8.90 (226.1)	5000
PDL-286 and PDL-287 have tamper resistant slits (see drawing below)											
PDL-286	B	Polyimide	Amber	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	5000
PDL-287	B	Polyester	White	0.90 (22.9)	0.25 (6.4)	1.00 (25.4)	0.33 (8.5)	8	36	8.90 (226.1)	5000
PDL-4565-1	B	TEDLAR	White	0.98 (25.0)	0.59 (15.0)	1.11 (28.2)	0.75 (19.1)	7	16	8.62 (219.0)	5000
PDL-30-1	B	Vinyl Cloth	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.50 (12.7)	7	24	8.60 (218.4)	1000
PDL-30	B	Vinyl Cloth	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.50 (12.7)	7	24	8.60 (218.4)	5000
PDL-30-10	B	Vinyl Cloth	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.50 (12.7)	7	24	8.60 (218.4)	10,000
PDL-31	B	Polyester	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.50 (12.7)	7	24	8.60 (218.4)	5000
PDL-31-10	B	Polyester	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.50 (12.7)	7	24	8.60 (218.4)	10,000
PDL-74	B	Destr. Paper	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.50 (12.7)	7	24	8.60 (218.4)	5000
PDL-75	B	TEDLAR	White	1.00 (25.4)	0.38 (9.5)	1.10 (27.9)	0.50 (12.7)	7	24	8.60 (218.4)	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

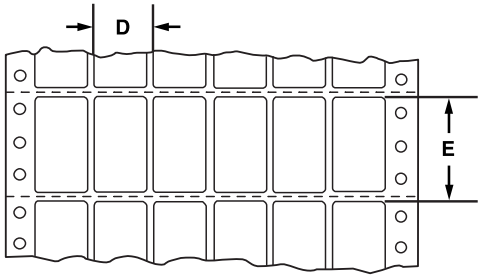
PDL-286
PDL-287



PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT

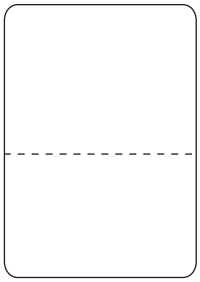


STYLE B - DIE CUT

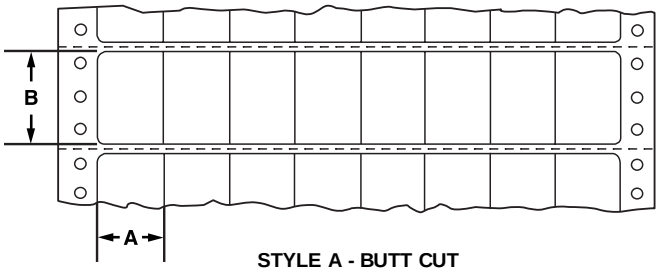
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-19-1	B	Vinyl Cloth	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	1000
PDL-19	B	Vinyl Cloth	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-19-10	B	Vinyl Cloth	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	10,000
PDL-20-1	B	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	1000
PDL-20	B	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-20-10	B	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	10,000
PDL-21-1	B	Destr. Vinyl	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	1000
PDL-21	B	Destr. Vinyl	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-21-10	B	Destr. Vinyl	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	10,000
PDL-22-1	B	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	1000
PDL-22	B	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-22-10	B	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	10,000
PDL-65	B	Remov. Paper	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-97	B	Aluminum	Silver	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-98	B	Polyimide	Amber	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-99	B	TEDLAR▲	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-99-10	B	TEDLAR	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	10,000
PDL-157	B	Polyester	White	1.00 (25.4)	0.50 (12.7)	1.13 (28.7)	0.67 (16.9)	5	18	6.52 (165.6)	5000
PDL-158	B	Polyester	Silver	1.00 (25.4)	0.50 (12.7)	1.13 (28.7)	0.67 (16.9)	5	18	6.52 (165.6)	5000
PDL-188	B	Vinyl	White	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-230	B	TEDLAR	Yellow	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-363	B	Polyester	Clear	1.00 (25.4)	0.50 (12.7)	1.10 (27.9)	0.67 (16.9)	7	18	8.60 (218.4)	5000
PDL-7294-1	B	Destr. Vinyl	White	1.00 (25.4)	0.50 (12.7)	1.60 (40.6)	0.67 (16.9)	3	18	5.70 (144.8)	5000
PDL-288	B	Vinyl Cloth	White	1.00 (25.4)	0.75 (19.1)	1.10 (27.9)	1.00 (25.4)	7	12	8.60 (218.4)	5000
PDL-290	B	TEDLAR	White	1.00 (25.4)	0.75 (19.1)	1.10 (27.9)	1.00 (25.4)	7	12	8.60 (218.4)	5000
PDL-290-1	B	TEDLAR	White	1.00 (25.4)	0.75 (19.1)	1.10 (27.9)	1.00 (25.4)	7	12	8.60 (218.4)	1000
PDL-291	A	Vinyl Cloth	White	1.00 (25.4)	0.94 (23.8)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	5000
PDL-293	A	TEDLAR	White	1.00 (25.4)	0.94 (23.8)	1.00 (25.4)	1.00 (25.4)	8	12	9.00 (228.6)	5000
PDL-294 and PDL-296 have a horizontal perforation 0.72" (18.3mm) from the top (see drawing below)											
PDL-294	B	Vinyl Cloth	White	1.00 (25.4)	1.44 (36.5)	1.10 (27.9)	1.50 (38.1)	7	8	8.60 (218.4)	5000
PDL-296	B	TEDLAR	White	1.00 (25.4)	1.44 (36.5)	1.10 (27.9)	1.50 (38.1)	7	8	8.60 (218.4)	5000
PDL-4674-1	B	Vinyl Cloth	White	1.13 (28.6)	0.53 (13.5)	1.60 (40.6)	0.63 (15.9)	4	16	7.30 (185.4)	20,000
PDL-4674-3	B	TEDLAR	White	1.13 (28.6)	0.53 (13.5)	1.60 (40.6)	0.63 (15.9)	4	16	7.30 (185.4)	20,000
PDL-4565-2	B	TEDLAR	White	1.18 (30.0)	0.37 (9.5)	1.30 (33.0)	0.50 (12.7)	6	24	8.62 (219.0)	5000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
*Order number of labels required in multiples of Std. Pkg. Qty.

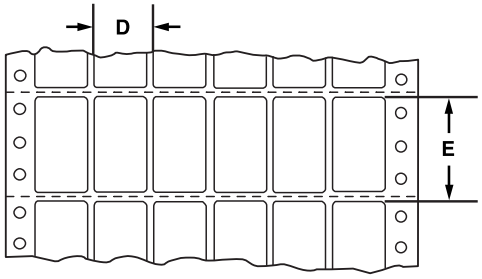
PDL-294
PDL-296



PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT



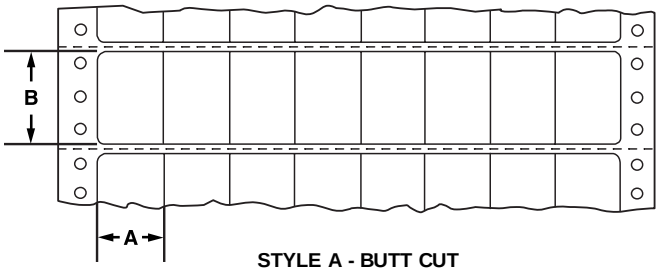
STYLE B - DIE CUT

Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-24	B	TEDLAR▲	Yellow	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	7	24	10.75 (273.1)‡	5000
PDL-25	B	TEDLAR	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	7	24	10.75 (273.1)‡	5000
PDL-25-10	B	TEDLAR	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	7	24	10.75 (273.1)‡	10,000
PDL-26	B	TEDLAR	Silver	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	7	24	10.75 (273.1)‡	5000
PDL-69	B	Vinyl Cloth	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	7	24	10.75 (273.1)‡	5000
PDL-70	B	Destr. Paper	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	7	24	10.75 (273.1)‡	5000
PDL-71	B	Polyester	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	7	24	10.75 (273.1)‡	5000
PDL-127	B	TEDLAR	Yellow	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	5000
PDL-128	B	TEDLAR	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	5000
PDL-128-10	B	TEDLAR	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	10,000
PDL-129	B	TEDLAR	Gray	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	5000
PDL-130	B	Vinyl Cloth	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	5000
PDL-131	B	Polyester	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	5000
PDL-132	B	Vinyl	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	5000
PDL-132-10	B	Vinyl	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	10,000
PDL-370	B	Destr. Paper	White	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	5000
PDL-5712-2	B	Polyester	White with Red Border	1.25 (31.8)	0.38 (9.5)	1.40 (35.6)	0.50 (12.7)	5	24	7.95 (201.9)	25,000
PDL-407-1	B	Polyester	Clear	1.38 (34.9)	0.28 (7.1)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-409-1	B	Polyester	White	1.38 (34.9)	0.28 (7.1)	1.50 (38.1)	0.50 (12.7)	3	24	5.38 (136.5)	1000
PDL-357	B	Polyimide	Amber	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.38 (9.5)	4	32	7.30 (185.4)	5000
PDL-358	B	Polyester	White	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.38 (9.5)	4	32	7.30 (185.4)	5000
PDL-7542-10	B	Polyester	Silver	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.38 (9.5)	4	32	7.30 (185.4)	10,000
PDL-40 thru PDL-629 have a vertical perforation 0.75" (19.1 mm) from the left (see drawing below)											
PDL-40	B	Remov. Paper	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	5000
PDL-40-10	B	Remov. Paper	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	10,000
PDL-41-1	B	Vinyl Cloth	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	1000
PDL-41	B	Vinyl Cloth	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	5000
PDL-41-10	B	Vinyl Cloth	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	10,000
PDL-86	B	TEDLAR	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	5000
PDL-87	B	Polyester	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	5000
PDL-87-10	B	Polyester	White	1.50 (38.1)	0.25 (6.4)	1.83 (46.5)	0.33 (8.5)	4	36	8.00 (203.2)	10,000
PDL-359-10	B	Remov. Paper	White	1.50 (38.1)	0.25 (6.4)	1.80 (45.7)	0.33 (8.5)	4	36	7.90 (200.7)	10,000
PDL-360-10	B	Vinyl Cloth	White	1.50 (38.1)	0.25 (6.4)	1.80 (45.7)	0.33 (8.5)	4	36	7.90 (200.7)	10,000
PDL-629	B	Vinyl	White	1.50 (38.1)	0.25 (6.4)	1.60 (40.6)	0.50 (12.7)	4	24	7.30 (185.4)	5000

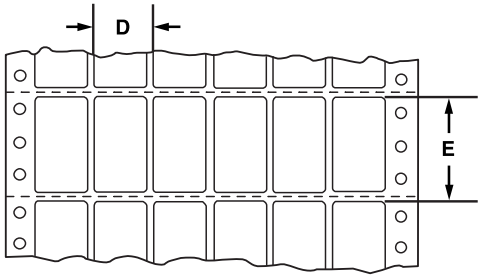
▲TEDLAR is the registered trademark of E. I. DuPont Co.
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty.

PDL-40
PDL-41
PDL-86
PDL-87
PDL-359
PDL-360
PDL-629

PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT

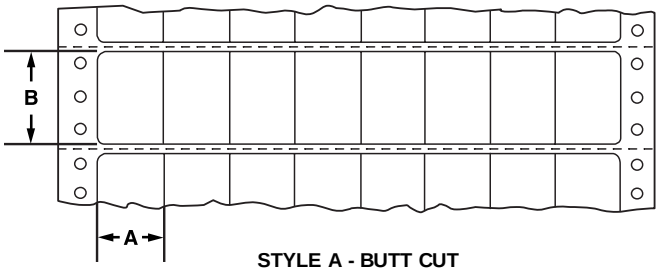


STYLE B - DIE CUT

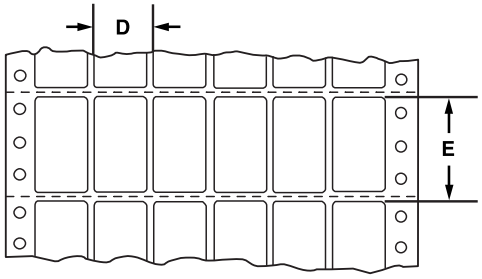
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-27	B	TEDLAR▲	White	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	5000
PDL-27-10	B	TEDLAR	White	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	10,000
PDL-28	B	TEDLAR	Yellow	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	5000
PDL-29-1	B	Polyester	Silver	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	1000
PDL-29	B	Polyester	Silver	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	5000
PDL-29-10	B	Polyester	Silver	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	10,000
PDL-72	B	Vinyl Cloth	White	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	5000
PDL-73	B	Destr. Paper	White	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	5000
PDL-73-10	B	Destr. Paper	White	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	10,000
PDL-231	B	Polyester	White	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	5000
PDL-231-10	B	Polyester	White	1.50 (38.1)	0.75 (19.1)	1.70 (43.2)	1.00 (25.4)	4	12	7.6 (193.6)	10,000
PDL-297	B	Vinyl Cloth	Yellow	1.50 (38.1)	0.90 (22.9)	1.60 (40.6)	1.00 (25.4)	5	12	9.00 (228.6)	1000
PDL-298	B	Vinyl Cloth	White	1.50 (38.1)	0.90 (22.9)	1.60 (40.6)	1.00 (25.4)	5	12	9.00 (228.6)	1000
PDL-7572-1R	A	Polyester	Silver	1.63 (41.3)	0.38 (9.5)	1.63 (41.3)	0.38 (9.5)	5	2000•	9.13 (231.9)‡	1000
PDL-7572-10R	A	Polyester	Silver	1.63 (41.3)	0.38 (9.5)	1.63 (41.3)	0.38 (9.5)	5	200•	9.13 (231.9)‡	10,000
PDL-408-TL	A	Semi-Rigid Vinyl	White	1.95 (49.5)	0.40 (10.2)	—	0.50 (12.7)	1	250•	2.95 (74.9)	1 Roll (250 Labels)
PDL-32-1	B	Vinyl Cloth	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	4	24	9.30 (236.2)‡	1000
PDL-32	B	Vinyl Cloth	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	4	24	9.30 (236.2)‡	5000
PDL-32-10	B	Vinyl Cloth	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	4	24	9.30 (236.2)‡	10,000
PDL-76	B	TEDLAR	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	4	24	9.30 (236.2)‡	5000
PDL-77	B	Polyester	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	4	24	9.30 (236.2)‡	5000
PDL-78	B	Destr. Paper	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	4	24	9.30 (236.2)‡	5000
PDL-110-1	B	TEDLAR	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	1000
PDL-110	B	TEDLAR	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	5000
PDL-111-1	B	Polyester	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	1000
PDL-111	B	Polyester	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	5000
PDL-112	B	Destr. Paper	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	5000
PDL-113	B	Vinyl	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	5000
PDL-114	B	Vinyl Cloth	White	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	5000
PDL-237	B	Polyimide	Amber	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	5000
PDL-7517	B	Polyester	Silver	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	4	24	9.30 (236.2)‡	5000
PDL110G5	B	Polyester	Clear	2.00 (50.8)	0.38 (9.5)	2.10 (53.4)	0.50 (12.7)	3	24	7.20 (182.9)	5000
PDL-299	B	Remov. Paper	White	2.00 (50.8)	0.90 (22.9)	2.10 (53.4)	1.00 (25.4)	3	12	7.20 (182.9)	1000
PDL-300	B	Destr. Paper	White	2.00 (50.8)	0.90 (22.9)	2.10 (53.4)	1.00 (25.4)	3	12	7.20 (182.9)	1000
PDL-301	B	Polyester	White	2.00 (50.8)	0.90 (22.9)	2.10 (53.4)	1.00 (25.4)	3	12	7.20 (182.9)	1000
PDL-302	B	Polyester	Silver	2.00 (50.8)	0.90 (22.9)	2.10 (53.4)	1.00 (25.4)	3	12	7.20 (182.9)	1000
PDL-145	B	Polyester	Silver	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	8	3.00 (76.2)	1000
PDL-146	B	Vinyl	White	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	8	3.00 (76.2)	1000
PDL-147	B	Vinyl Cloth	White	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	8	3.00 (76.2)	1000
PDL-148	B	Aluminum	Silver	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	8	3.00 (76.2)	1000
PDL-149	B	Destr. Paper	White	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	8	3.00 (76.2)	1000
PDL-150	B	Polyester	White	2.00 (50.8)	1.25 (31.8)	—	1.38 (34.9)	1	8	3.00 (76.2)	1000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
•Indicates label is roll mounted on 3" (76.2 mm) core
‡Wide carriage printer required to print this label
*Order number of labels required in multiples of Std. Pkg. Qty. For roll mounted labels, order number of rolls required in multiples of Std. Pkg. Qty.

PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT

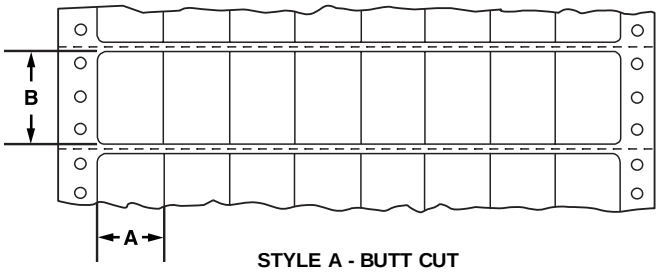


STYLE B - DIE CUT

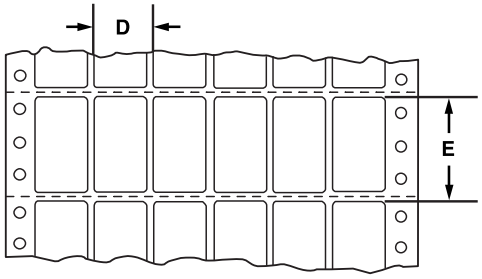
Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-303	B	Remov. Paper	White	2.00 (50.8)	1.44 (36.5)	2.10 (53.4)	1.50 (38.1)	3	8	7.20 (182.9)	1000
PDL-304	B	Destr. Paper	White	2.00 (50.8)	1.44 (36.5)	2.10 (53.4)	1.50 (38.1)	3	8	7.20 (182.9)	1000
PDL-305	B	Polyester	White	2.00 (50.8)	1.44 (36.5)	2.10 (53.4)	1.50 (38.1)	3	8	7.20 (182.9)	1000
PDL-305-10	B	Polyester	White	2.00 (50.8)	1.44 (36.5)	2.10 (53.4)	1.50 (38.1)	3	8	7.20 (182.9)	10,000
PDL-306	B	Polyester	Silver	2.00 (50.8)	1.44 (36.5)	2.10 (53.4)	1.50 (38.1)	3	8	7.20 (182.9)	1000
PDL-7557-1	B	TEDLAR	White	2.50 (63.5)	4.25 (108.0)	2.75 (69.9)	4.50 (114.3)	4	2	11.89 (302.0)‡	1000
PDL-163	B	Destr. Paper	White	2.80 (71.1)	1.00 (25.4)	2.90 (73.7)	1.13 (28.6)	3	8	9.50 (241.3)‡	1000
PDL-164	B	Vinyl Cloth	White	2.80 (71.1)	1.00 (25.4)	2.90 (73.7)	1.13 (28.6)	3	8	9.50 (241.3)‡	1000
PDL-165	B	Destr. Paper	White	2.80 (71.1)	1.50 (38.1)	2.90 (73.7)	1.63 (41.3)	3	8	9.50 (241.3)‡	1000
PDL-166	B	Vinyl Cloth	White	2.80 (71.1)	1.50 (38.1)	2.90 (73.7)	1.63 (41.3)	3	8	9.50 (241.3)‡	1000
PDL-410-TL	A	Semi-Rigid Vinyl	White	3.00 (76.2)	0.33 (8.5)	—	0.33 (8.5)	1	250•	4.00 (101.6)	1 Roll (250 Labels)
PDL-33	B	Vinyl Cloth	White	3.00 (76.2)	0.38 (9.5)	3.10 (78.7)	0.50 (12.7)	2	24	7.10 (180.3)	5000
PDL-79	B	TEDLAR	White	3.00 (76.2)	0.38 (9.5)	3.10 (78.7)	0.50 (12.7)	2	24	7.10 (180.3)	5000
PDL-80	B	Polyester	White	3.00 (76.2)	0.38 (9.5)	3.10 (78.7)	0.50 (12.7)	2	24	7.10 (180.3)	5000
PDL-81	B	Destr. Paper	White	3.00 (76.2)	0.38 (9.5)	3.10 (78.7)	0.50 (12.7)	2	24	7.10 (180.3)	5000
PDL-232	B	Polyimide	Amber	3.00 (76.2)	0.38 (9.5)	3.10 (78.7)	0.50 (12.7)	2	24	7.10 (180.3)	5000
PDL-307	B	Vinyl Cloth	Yellow	3.00 (76.2)	0.90 (22.9)	3.10 (78.7)	1.00 (25.4)	2	12	7.10 (180.3)	1000
PDL-308	B	Vinyl Cloth	White	3.00 (76.2)	0.90 (22.9)	3.10 (78.7)	1.00 (25.4)	2	12	7.10 (180.3)	1000
PDL-309	B	Remov. Paper	White	3.00 (76.2)	0.90 (22.9)	3.10 (78.7)	1.00 (25.4)	2	12	7.10 (180.3)	1000
PDL-310	B	Destr. Paper	White	3.00 (76.2)	0.90 (22.9)	3.10 (78.7)	1.00 (25.4)	2	12	7.10 (180.3)	1000
PDL-311	B	Polyester	White	3.00 (76.2)	0.90 (22.9)	3.10 (78.7)	1.00 (25.4)	2	12	7.10 (180.3)	1000
PDL-312	B	Polyester	Silver	3.00 (76.2)	0.90 (22.9)	3.10 (78.7)	1.00 (25.4)	2	12	7.10 (180.3)	1000
PDL-313	B	Remov. Paper	White	3.00 (76.2)	1.44 (36.5)	3.10 (78.7)	1.50 (38.1)	2	8	7.10 (180.3)	1000
PDL-314	B	Destr. Paper	White	3.00 (76.2)	1.44 (36.5)	3.10 (78.7)	1.50 (38.1)	2	8	7.10 (180.3)	1000
PDL-315	B	Polyester	White	3.00 (76.2)	1.44 (36.5)	3.10 (78.7)	1.50 (38.1)	2	8	7.10 (180.3)	1000
PDL-316	B	Polyester	Silver	3.00 (76.2)	1.44 (36.5)	3.10 (78.7)	1.50 (38.1)	2	8	7.10 (180.3)	1000
PDL-317	B	Remov. Paper	White	3.00 (76.2)	1.90 (48.3)	3.10 (78.7)	2.00 (50.8)	2	6	7.10 (180.3)	1000
PDL-318	B	Destr. Paper	White	3.00 (76.2)	1.90 (48.3)	3.10 (78.7)	2.00 (50.8)	2	6	7.10 (180.3)	1000
PDL-319	B	Polyester	White	3.00 (76.2)	1.90 (48.3)	3.10 (78.7)	2.00 (50.8)	2	6	7.10 (180.3)	1000
PDL-320	B	Polyester	Silver	3.00 (76.2)	1.90 (48.3)	3.10 (78.7)	2.00 (50.8)	2	6	7.10 (180.3)	1000
PDL-139	B	Polyester	Silver	3.00 (76.2)	2.00 (50.8)	—	3.00 (76.2)	1	4	4.00 (101.6)	1000
PDL-140	B	Vinyl	White	3.00 (76.2)	2.00 (50.8)	—	3.00 (76.2)	1	4	4.00 (101.6)	1000
PDL-141	B	Destr. Paper	White	3.00 (76.2)	2.00 (50.8)	—	3.00 (76.2)	1	4	4.00 (101.6)	1000
PDL-142	B	Vinyl Cloth	White	3.00 (76.2)	2.00 (50.8)	—	3.00 (76.2)	1	4	4.00 (101.6)	1000
PDL-143	B	Aluminum	Silver	3.00 (76.2)	2.00 (50.8)	—	3.00 (76.2)	1	4	4.00 (101.6)	1000
PDL-144	B	Polyester	White	3.00 (76.2)	2.00 (50.8)	—	3.00 (76.2)	1	4	4.00 (101.6)	1000
PDL-151	B	Polyester	Silver	3.25 (82.6)	1.25 (31.8)	—	1.56 (39.7)	1	8	4.25 (108.0)	1000
PDL-152	B	Vinyl	White	3.25 (82.6)	1.25 (31.8)	—	1.56 (39.7)	1	8	4.25 (108.0)	1000
PDL-153	B	Vinyl Cloth	White	3.25 (82.6)	1.25 (31.8)	—	1.56 (39.7)	1	8	4.25 (108.0)	1000
PDL-154	B	Aluminum	Silver	3.25 (82.6)	1.25 (31.8)	—	1.56 (39.7)	1	8	4.25 (108.0)	1000
PDL-155	B	Destr. Paper	White	3.25 (82.6)	1.25 (31.8)	—	1.56 (39.7)	1	8	4.25 (108.0)	1000
PDL-156	B	Polyester	White	3.25 (82.6)	1.25 (31.8)	—	1.56 (39.7)	1	8	4.25 (108.0)	1000

▲TEDLAR is the registered trademark of E. I. DuPont Co.
•Indicates label is roll mounted on 3" (76.2 mm) core
*Order number of labels required in multiples of Std. Pkg. Qty. For roll mounted labels, order number of rolls required in multiples of Std. Pkg. Qty.

PDL Blank Labels by Size (cont.)



STYLE A - BUTT CUT



STYLE B - DIE CUT

Part Number	Style	Material	Color	Label Width A In. (mm)	Label Length B In. (mm)	Horizontal Repeat D In. (mm)	Vertical Repeat E In. (mm)	Labels Per Row	Rows Per Fanfold	Web Width F In. (mm)	Std. Pkg. Qty.*
PDL-159	B	Destr. Paper	White	3.63 (92.1)	1.00 (25.4)	3.73 (94.6)	1.13 (28.6)	2	8	8.50 (215.9)	5000
PDL-160	B	Vinyl Cloth	White	3.63 (92.1)	1.00 (25.4)	3.73 (94.6)	1.13 (28.6)	2	8	8.50 (215.9)	5000
PDL-161	B	Destr. Paper	White	3.63 (92.1)	1.50 (38.1)	3.73 (94.6)	1.63 (41.3)	2	8	8.50 (215.9)	5000
PDL-162	B	Vinyl Cloth	White	3.63 (92.1)	1.50 (38.1)	3.73 (94.6)	1.63 (41.3)	2	8	8.50 (215.9)	5000
PDL-321	B	Vinyl Cloth	Yellow	3.90 (99.1)	0.90 (22.9)	4.00 (101.6)	1.00 (25.4)	2	12	9.00 (228.6)	1000
PDL-322	B	Vinyl Cloth	White	3.90 (99.1)	0.90 (22.9)	4.00 (101.6)	1.00 (25.4)	2	12	9.00 (228.6)	1000
PDL-323	B	Vinyl Cloth	White	3.90 (99.1)	1.44 (36.5)	4.00 (101.6)	1.50 (38.1)	2	8	9.00 (228.6)	1000
PDL-324	B	Vinyl Cloth	White	3.90 (99.1)	1.44 (36.5)	4.00 (101.6)	1.50 (38.1)	2	8	9.00 (228.6)	1000
PDL-325	B	Remov. Paper	White	3.90 (99.1)	1.44 (36.5)	4.00 (101.6)	1.50 (38.1)	2	8	9.00 (228.6)	1000
PDL-326	B	Destr. Paper	White	3.90 (99.1)	1.44 (36.5)	4.00 (101.6)	1.50 (38.1)	2	8	9.00 (228.6)	1000
PDL-327	B	Polyester	White	3.90 (99.1)	1.44 (36.5)	4.00 (101.6)	1.50 (38.1)	2	8	9.00 (228.6)	1000
PDL-328	B	Polyester	Silver	3.90 (99.1)	1.44 (36.5)	4.00 (101.6)	1.50 (38.1)	2	8	9.00 (228.6)	1000
PDL-329	B	Vinyl Cloth	Yellow	3.90 (99.1)	2.90 (73.7)	4.00 (101.6)	3.00 (76.2)	2	4	9.00 (228.6)	1000
PDL-330	B	Vinyl Cloth	White	3.90 (99.1)	2.90 (73.7)	4.00 (101.6)	3.00 (76.2)	2	4	9.00 (228.6)	1000
PDL-331	B	Vinyl Cloth	Yellow	6.00 (152.4)	0.90 (22.9)	—	1.00 (25.4)	1	12	7.10 (180.3)	1000
PDL-332	B	Vinyl Cloth	White	6.00 (152.4)	0.90 (22.9)	—	1.00 (25.4)	1	12	7.10 (180.3)	1000
PDL-333	B	Vinyl Cloth	Yellow	6.00 (152.4)	1.44 (36.6)	—	1.50 (38.1)	1	8	7.10 (180.3)	1000
PDL-334	B	Vinyl Cloth	White	6.00 (152.4)	1.44 (36.6)	—	1.50 (38.1)	1	8	7.10 (180.3)	1000
PDL-335	B	Vinyl Cloth	Yellow	6.00 (152.4)	1.90 (48.3)	—	2.00 (50.8)	1	6	7.10 (180.3)	1000
PDL-336	B	Vinyl Cloth	White	6.00 (152.4)	1.90 (48.3)	—	2.00 (50.8)	1	6	7.10 (180.3)	1000
PDL-337	B	Vinyl Cloth	Yellow	6.00 (152.4)	2.90 (73.7)	—	3.00 (76.2)	1	4	7.10 (180.3)	1000
PDL-338	B	Vinyl Cloth	White	6.00 (152.4)	2.90 (73.7)	—	3.00 (76.2)	1	4	7.10 (180.3)	1000
PDL-339	B	Remov. Paper	White	6.00 (152.4)	3.94 (100.0)	—	4.00 (101.6)	1	3	7.10 (180.3)	1000
PDL-340	B	Destr. Paper	White	6.00 (152.4)	3.94 (100.0)	—	4.00 (101.6)	1	3	7.10 (180.3)	1000
PDL-403-1	B	Polyester	White	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1B	B	Polyester	Blue	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1BR	B	Polyester	Brown	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1G	B	Polyester	Green	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1GR	B	Polyester	Gray	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1OR	B	Polyester	Orange	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1PR	B	Polyester	Purple	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1R	B	Polyester	Red	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-1Y	B	Polyester	Yellow	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-403-2.5	B	Polyester	White	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	2500•	8.50 (215.9)	2500
PDL-404-1	B	Polyester	Clear	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	1000•	8.50 (215.9)	1000
PDL-404-2.5	B	Polyester	Clear	7.50 (190.5)	0.50 (12.7)	—	0.50 (12.7)	1	2500•	8.50 (215.9)	2500
PDL-341	B	Vinyl Cloth	Yellow	8.00 (203.2)	1.44 (36.5)	—	1.50 (38.1)	1	8	9.00 (228.6)	1000
PDL-342	B	Vinyl Cloth	White	8.00 (203.2)	1.44 (36.5)	—	1.50 (38.1)	1	8	9.00 (228.6)	1000
PDL-343	B	Vinyl Cloth	Yellow	12.00 (304.8)	1.90 (48.3)	—	2.00 (50.8)	1	6	13.00 (330.2)‡	1000
PDL-344	B	Vinyl Cloth	White	12.00 (304.8)	1.90 (48.3)	—	2.00 (50.8)	1	6	13.00 (330.2)‡	1000
PDL-345	B	Vinyl Cloth	Yellow	12.00 (304.8)	2.90 (73.7)	—	3.00 (76.2)	1	4	13.00 (330.2)‡	1000
PDL-346	B	Vinyl Cloth	White	12.00 (304.8)	2.90 (73.7)	—	3.00 (76.2)	1	4	13.00 (330.2)‡	1000

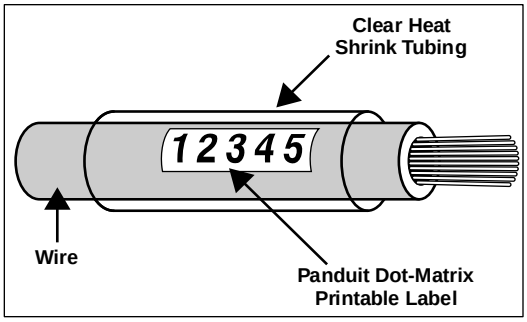
‡Wide carriage printer required to print this label
•Indicates label is roll mounted on 3" (76.2 mm) core
*Order number of labels required in multiples of Std. Pkg. Qty.

Heat Shrink Data Label Kits

- System allows the user to prepare, with their own computer, whatever information is required to identify wire or cables up to ½" (12.7 mm) diameter, *without the use of special printers or materials*.
- Provided in every kit are 1000 clear tubes, 1½" (38.1 mm) long and 1000 dot-matrix labels listed below

Selection:

1. Measure outside diameter of wire to be marked or determine the wire gauge
2. Select the part number based on the chart below.
3. Order from your local Panduit distributor
4. Print the label using any Panduit software program
5. Apply label to wire
6. Slip on heat shrink tubing
7. Apply heat from any standard heat gun. Shrink ratio is 2:1



Part Number	Label Size Width x Length In. (mm)	For Wire Range	Kit Contents			
			Heat Shrink Sleeve Minimum Expanded Tubing Inside Diameter In. (mm)	Qty.	Labels Included	Std Pkg. Qty.*
HSDL9-12-94	0.90 x 0.25 (22.9 x 6.3)	16 to 22 AWG	0.13 (3.2)	1000	PDL-94	1000 Kits
HSDL9-12-285	0.90 x 0.25 (22.9 x 6.3)	16 to 22 AWG	0.13 (3.2)	1000	PDL-285	1000 Kits
HSDL9-25-94	0.90 x 0.25 (22.9 x 6.3)	10 to 12 AWG	0.25 (6.3)	1000	PDL-94	1000 Kits
HSDL9-25-285	0.90 x 0.25 (22.9 x 6.3)	10 to 12 AWG	0.25 (6.3)	1000	PDL-285	1000 Kits
HSDL9-37-31	1.00 x 0.38 (25.4 x 9.5)	4 to 10 AWG	0.35 (8.9)	1000	PDL-31	1000 Kits
HSDL9-50-31	1.00 x 0.38 (25.4 x 9.5)	2 to 8 AWG	0.50 (12.7)	1000	PDL-31	1000 Kits
HSDL9-75-20	1.00 x 0.38 (25.4 x 9.5)	4/0 to 3 AWG	0.75 (19.1)	1000	PDL-20	1000 Kits
HSDL9-100-293	1.00 x 0.38 (25.4 x 9.5)	1/0 to 1 AWG	1.00 (25.4)	1000	PDL-293	1000 Kits

☐14 AWG wire Type THW, use HSDL9-25-94 or -285
☐14 AWG wire Type THNN, use HSDL9-12-94 or -285
*Order number of label kits required in multiples of Std. Pkg. Qty.

PAN-SHRINK™ Heat Shrink Tools and Accessories

- For use with all Panduit Heat Shrink Markers
- Other Heat Shrink Tools and replacement parts available. Contact factory for details.

Part Number	Description	Std. Pkg. Qty.*
HSG-115V-500	General Purpose Tool – Air intake regulator varies temperature from 500°F (260°C) to 620°F (344°C), 115 Volt, 11 AMP. Neoprene jacketed cord with molded strain relief	1
HSG-115V-300	Low Temperature Tool – For use on small sizes of heat shrink when under or near heat sensitive items. Air intake regulator varies temperature from 300°F (145°C) to 450°F (232°C), 115 Volt, 8 AMP. Neoprene jacketed cord with molded strain relief	1
HSG-A1	Shrink tube reflector for tubing up to 0.75" (19.1 mm) inside diameter – Directs heat around the tubing to reduce shrink time.	1
HSG-A2	Shrink tube reflector for tubing up to 1.50" (38.1 mm) inside diameter – Directs heat around the tubing to reduce shrink time.	1
HSG-A3	Shrink tube concentrator – Directs heat toward tubing and away from heat sensitive items.	1
HSG-A4	Black polyethylene case – Stores heat tool, stand and all three accessories.	1

*Order number of heat shrink accessories required in multiples of Std. Pkg. Qty.

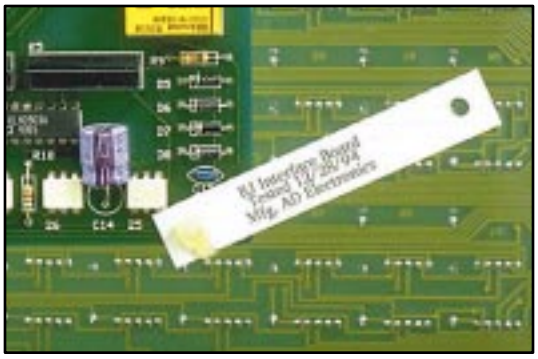
Dot-Matrix Data Plates (PDP) - Introduction

Panduit Data Plates are non-adhesive tags used to mark wires, cables, equipment, inventory and many applications where an adhesive label is not the best solution.

- Choose from 12 different sizes, 3 materials and 2 styles
- Materials offer three different grades of strength and durability
- Can also be marked with Panduit Permanent Marking Pens (see pg. 101)

Suggested Applications for Dot-Matrix Data Plates

Identify wires, cables or equipment requiring removable and reusable information



Tag equipment

Tag large bundles of cables or cables with large diameters

Identify harness board assemblies

Use on cables or wires that are constantly being bent or moved

Use to warn or inform

PDP Data Plate Labels - Drawings and Specifications

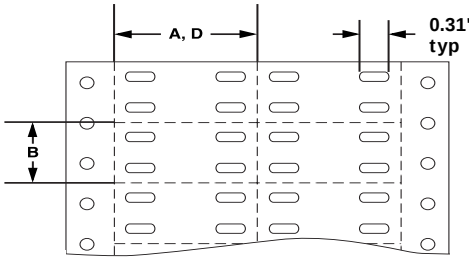
Choose the material that best suites your application:

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec.	CSA
GMH1	Polyester/ Polycarbonate	-40°F to 250°F (-40°C to 121°C)	Semi-rigid non-adhesive film with excellent strength properties and flame resistance	White	Yes	Yes	No	No
GMY1	Polyester	-40°F to 185°F (-40°C to 85°C)	Semi-rigid non-adhesive film with excellent strength and durability	White	Yes	Yes	No	No
GMV9	Vinyl	-20°F to 176°F (-29°C to 80°C)	Semi-rigid non-adhesive film for flexible tags with limited tensile strength	White	No	Yes	No	No

PDP Data Plate Labels— Drawings and Specifications

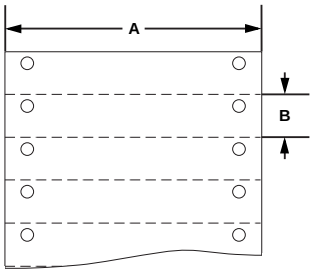
Style A

With detachable pinfeed strip and a pre-cut mounting hole for Standard Cross Section Cable Ties



Style B

Uses pinfeed as mounting hole for Intermediate Cross Section Cable Ties



Part Number	Style	Material	Color	Tag Width A In. (mm)	Tag Length† B In. (mm)	Horizontal Repeat D In. (mm)	Labels Per Row	Roll Width In. (mm)	Labels Per Roll	Use with Panduit Cable Tie	Std. Pkg. Qty.*
PDP-3	A	Polyester/Polycarbonate	White	1.50 (38.1)	0.75 (19.1)	1.50 (38.1)	2	4.00 (101.6)	500	PLT•S-L0	1 Roll
PDP-15	A	Polyester	White	1.50 (38.1)	0.75 (19.1)	1.50 (38.1)	2	4.00 (101.6)	500	PLT•S-L0	1 Roll
PDP-27	A	Vinyl	White	1.50 (38.1)	0.75 (19.1)	1.50 (38.1)	2	4.00 (101.6)	500	PLT•S-C	1 Roll
PDP-4	A	Polyester/Polycarbonate	White	1.75 (44.5)	0.75 (19.1)	1.75 (44.5)	2	4.5 (114.3)	500	PLT•S-L0	1 Roll
PDP-16	A	Polyester	White	1.75 (44.5)	0.75 (19.1)	1.75 (44.5)	2	4.5 (114.3)	500	PLT•S-L0	1 Roll
PDP-28	A	Vinyl	White	1.75 (44.5)	0.75 (19.1)	1.75 (44.5)	2	4.5 (114.3)	500	PLT•S-C	1 Roll
PDP-6	A	Polyester/Polycarbonate	White	2.00 (50.8)	0.50 (12.7)	2.00 (50.8)	2	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-18	A	Polyester	White	2.00 (50.8)	0.50 (12.7)	2.00 (50.8)	2	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-30	A	Vinyl	White	2.00 (50.8)	0.50 (12.7)	2.00 (50.8)	2	5.00 (127.0)	500	PLT•S-C	1 Roll
PDP-5	A	Polyester/Polycarbonate	White	2.00 (50.8)	0.75 (19.1)	2.00 (50.8)	2	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-17	A	Polyester	White	2.00 (50.8)	0.75 (19.1)	2.00 (50.8)	2	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-29	A	Vinyl	White	2.00 (50.8)	0.75 (19.1)	2.00 (50.8)	2	5.00 (127.0)	500	PLT•S-C	1 Roll
PDP-7	A	Polyester/Polycarbonate	White	2.50 (63.5)	0.75 (19.1)	2.50 (63.5)	2	6.00 (152.4)	500	PLT•S-L0	1 Roll
PDP-19	A	Polyester	White	2.50 (63.5)	0.75 (19.1)	2.50 (63.5)	2	6.00 (152.4)	500	PLT•S-L0	1 Roll
PDP-31	A	Vinyl	White	2.50 (63.5)	0.75 (19.1)	2.50 (63.5)	2	6.00 (152.4)	500	PLT•S-C	1 Roll
PDP-8	B	Polyester/Polycarbonate	White	3.00 (76.2)	0.50 (12.7)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-20	B	Polyester	White	3.00 (76.2)	0.50 (12.7)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-32	B	Vinyl	White	3.00 (76.2)	0.50 (12.7)	NA	1	3.00 (76.2)	500	PLT•I-C	1 Roll
PDP-9	B	Polyester/Polycarbonate	White	3.00 (76.2)	1.00 (25.4)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-21	B	Polyester	White	3.00 (76.2)	1.00 (25.4)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-33	B	Vinyl	White	3.00 (76.2)	1.00 (25.4)	NA	1	3.00 (76.2)	500	PLT•I-C	1 Roll
PDP-10	B	Polyester/Polycarbonate	White	3.00 (76.2)	1.50 (38.1)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-22	B	Polyester	White	3.00 (76.2)	1.50 (38.1)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-34	B	Vinyl	White	3.00 (76.2)	1.50 (38.1)	NA	1	3.00 (76.2)	500	PLT•I-C	1 Roll
PDP-11	B	Polyester/Polycarbonate	White	3.00 (76.2)	2.00 (50.8)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-23	B	Polyester	White	3.00 (76.2)	2.00 (50.8)	NA	1	3.00 (76.2)	500	PLT•I-C0	1 Roll
PDP-35	B	Vinyl	White	3.00 (76.2)	2.00 (50.8)	NA	1	3.00 (76.2)	500	PLT•I-C	1 Roll
PDP-12	B	Polyester/Polycarbonate	White	3.50 (88.9)	2.50 (63.5)	NA	1	3.50 (88.9)	500	PLT•I-C0	1 Roll
PDP-24	B	Polyester	White	3.50 (88.9)	2.50 (63.5)	NA	1	3.50 (88.9)	500	PLT•I-C0	1 Roll
PDP-36	B	Vinyl	White	3.50 (88.9)	2.50 (63.5)	NA	1	3.50 (88.9)	500	PLT•I-C	1 Roll
PDP-1	A	Polyester/Polycarbonate	White	4.00 (101.6)	0.75 (19.1)	NA	1	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-13	A	Polyester	White	4.00 (101.6)	0.75 (19.1)	NA	1	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-25	A	Vinyl	White	4.00 (101.6)	0.75 (19.1)	NA	1	5.00 (127.0)	500	PLT•S-C	1 Roll
PDP-2	A	Polyester/Polycarbonate	White	4.00 (101.6)	1.50 (38.1)	NA	1	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-14	A	Polyester	White	4.00 (101.6)	1.50 (38.1)	NA	1	5.00 (127.0)	500	PLT•S-L0	1 Roll
PDP-26	A	Vinyl	White	4.00 (101.6)	1.50 (38.1)	NA	1	5.00 (127.0)	500	PLT•S-C	1 Roll

†Tag length equals vertical repeat
•Indicates any length tie can be used. Also, Flame Retardant Ties can be substituted.
*Order number of rolls required in multiples of Std. Pkg. Qty.

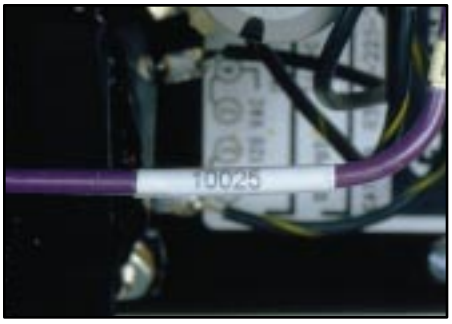
Dot-Matrix Indelible Ink Ribbons (PDLR) - Introduction

Panduit Data Label Ribbons are designed to give you the security of knowing that your printed legend will not fade over a short period of time. The aggressive ink is designed for use on non-porous materials to eliminate smearing and on any material that is subjected to UV rays.

PDLR's are quick drying, abrasion resistant and have excellent UV resistance. Drying speed of ink will vary depending on the material top coating and the amount of ink put on the surface. PDLR's will dry on most surfaces within 5 to 30 minutes.

Suggested Applications for Dot-Matrix Indelible Ink Ribbons

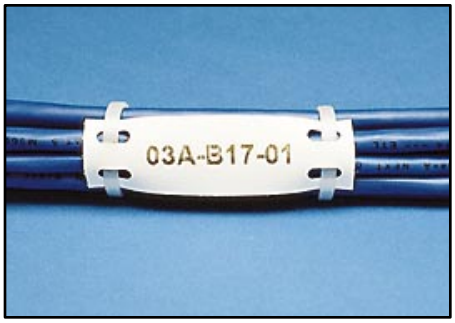
Use in high temperature applications such as Electronics Labeling



Immediately apply self-laminating labels

Security concerns

Outdoor applications



Permanently tag

Identify in harsh environments or where chemical resistance is a factor

Indelible Ink Ribbons by Printer Model

- Choose from over 59 ribbons which accommodate over 300 different printer models
- Panduit can also supply custom ribbons for printers not shown. Contact factory for details.

Printer—Model	Part Number
A	
APPLE A9-M0310 ATT 473	**PDLR-1**
B	
BRADY WRITER B2	**PDLR-5**
BROTHER HR15 BROTHER HR20 BROTHER HR25	**PDLR-7**
BROTHER M1509 BROTHER M1709	**PDLR-6**
BURROUGHS 800/L9000	**PDLR-9**
C	
CENTRONIX 100/101/102/103	**PDLR-9**
CENTRONIX H136A/H80136	**PDLR-10**
CITIZEN 120D CITIZEN 180D CITIZEN GSX-140	**PDLR-12**
CITIZEN MPS10 CITIZEN MST10 CITIZEN MST40	**PDLR-13**
CITIZEN MSP15	**PDLR-17**
CITOH PC 8020A CITOH PC 1550 CITOH PC 8510 CITOH PC 8500	**PDLR-1**
COMMODORE MPP1361	**PDLR-37**
COMREX 420	**PDLR-317**
D	
DEC 3 (DECWRITER III) DEC LA 120/180 DEC LS 120/180	**PDLR-41**
DEC LA30/36 (DECWRITER) DEC LA 35/40/80	**PDLR-45**
DEC LA34/38/100/200 DEC 4 (DECWRITER IV)	**PDLR-57**
DIABLO (HYTYPE II)	**PDLR-61**
DIABLO S-11	**PDLR-65**
E	
EPSON 3210 EPSON FX70/80/82/85/86/86E EPSON FX800/850/870 EPSON LX300 EPSON MX/RX 70/80/82/85/86/86E EPSON GX80 ERC-08	**PDLR-13**
EPSON 8755 EPSON EX100/LX100 EPSON MX100/PX100/RX100 EPSON FX100/FX105/FX185 EPSON RX286E/286 EPSON FX1000/FX1050 EPSON FX1170	**PDLR-17**
EPSON EX800/1000	**PDLR-81**
EPSON LQ1000/1010/1050 EPSON LQ 1070/1170	**PDLR-109**
EPSON LQ1000/LQ1050 SILVER	**PDLR-109S**
EPSON LQ1000/LQ1050 WHITE	**PDLR-109W**
EPSON LQ500/570+ EPSON LQ800/850/870	**PDLR-113**

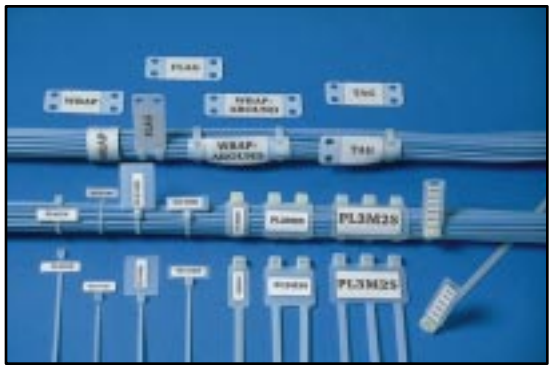
Printer—Model	Part Number
E (cont.)	
EPSON LX80/86/90 EPSON HOMEWRITER 10 EPSON SPECTRUM LX80/90	**PDLR-117**
EPSON LQ950	**PDLR-130**
EPSON LQ2500/2550	**PDLR-134**
EPSON LQ1500	**PDLR-135**
F	
FACIT 3100	**PDLR-1**
FACIT 1299095 FACIT 1850 FACIT 86HY	**PDLR-133**
FACIT 4510/4511	**PDLR-141**
FACIT 4512/4512-B FACIT 2301/4514	**PDLR-145**
G	
GRAPHIC 5152-002	**PDLR-13**
H	
HEWLETT PACKARD 82-906A HEWLETT PACKARD 92156	**PDLR-13**
I	
INTACS 4200	**PDLR-45**
IBM 5152	**PDLR-13**
IBM SELECTRIC II	**PDLR-133**
IBM PROPRINTER 4202/4208-24 IBM PROPRINTER XL24/XL24E	**PDLR-161**
IBM3262/A1/B1 IBM5262 SYSTEM 38	**PDLR-165**
IBM 3131 IBM 3715 IBM 4376-Q1L IBM 3281-C1,3287 IBM 3621/45	**PDLR-169**
IBM 3770/72/76/90 (HARMONICA) IBM 3200/3289 IBM 4715/4972/4973	**PDLR-170**
IBM PROPRINTER 4201 IBM PROPRINTER 4207-24 IBM PROPRINTER X24/X24E	**PDLR-173**
IBM 4202 XL PROPRINTER	**PDLR-177**
IBM 4224 MOD IE2/101/102	**PDLR-181**
IBM 5211	**PDLR-189**
IBM 5250	**PDLR-190**
IBM PROPRINTER 4201	**PDLR-193**
IBM SEL. III 210 BICYCLE	**PDLR-205**
M	
MANNESMAN 786 6N529-0	**PDLR-45**
MANNESMAN TALLY 1000	**PDLR-65**
MANNESMAN TALLY 85 MANNESMAN TALLY 87	**PDLR-206**
MANNESMAN TALLY 86 MANNESMAN TALLY 88	**PDLR-207**
MANNESMAN TALLY 100 MANNESMAN TALLY 110 MANNESMAN TALLY 160L	**PDLR-212**

Indelible Ink Ribbons by Printer Model (cont.)

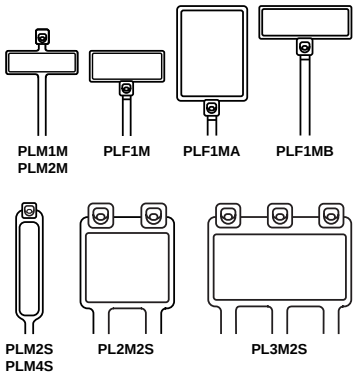
Printer—Model	Part Number
M (cont.)	
MANNESMAN TALLY 290 MANNESMAN TALLY 130/140/180L	**PDLR-215**
MANNESMAN TALLY MT230/MT330	**PDLR-338**
MM TALLY 1000 (SMALL MOUTH)	**PDLR-225**
MITSUBISHI DX 180W	**PDLR-17**
N	
NEC 8023A/8023A	**PDLR-1**
NEC 2200/P2200	**PDLR-233**
NEC 5200/5300/6300 P6+/P9300	**PDLR-237**
NEC PINWRITER 1/2/6 (80 COLUMN)	**PDLR-249**
NEC PINWRITER 3/7 (136 COLUMN)	**PDLR-253**
NEC PINWRITER P5/XL/560/565 NEC PINWRITER 9/960/965	**PDLR-257**
O	
OKIDATA 292	**PDLR-5**
OKIDATA 172/182/183 OKIDATA 192/193 OKIDATA 320/321	**PDLR-261**
OKIDATA 293/294	**PDLR-273**
OKIDATA 380/390 OKIDATA 391/391 PLUS	**PDLR-279**
OKIDATA 80A/82A/83A OKIDATA 92/93	**PDLR-281**
OKIDATA 393/393 PLUS	**PDLR-282**
OKIDATA 84/94	**PDLR-285**
OLYMPIA NP136	**PDLR-17**
OLIVETTI ET 225	**PDLR-287**
P	
PANASONIC KXP 1080/1081 PANASONIC KXP 1080i	**PDLR-292**
PANASONIC KXP 1090/1091/1092 PANASONIC KXP 2023	**PDLR-293**
PANASONIC KXP 1123/1124	**PDLR-297**
PANASONIC KXP 1150 PANASONIC KXP 1180 PANASONIC KXP 1190/1191	**PDLR-298**
PANASONIC KXP 1592 PANASONIC KXP 1593 PANASONIC KXP 1595	**PDLR-301**
PANASONIC KXP 1524/1540 PANASONIC KXP 1624 PANASONIC KXP 2624	**PDLR-302**
PRINTRONIX P150 PRINTRONIX P300 PRINTRONIX P600	**PDLR-305**
R	
REMINGTON ELECTRIC 101	**PDLR-133**
S	
SATA-M-4500	**PDLR-45**
SEIKOSHA 5420	**PDLR-317**
SIEMENS PT-88	**PDLR-13**
STAR SG10	**PDLR-281**
STAR DP834	**PDLR-337**
STAR MICRONICS NB 24-15 STAR MICRONICS NB 15/24	**PDLR-330**
STAR MICRONICS LC10 STAR MICRONICS NX 1000	**PDLR-325**
STAR MICRONICS NL10 STAR MICRONICS NB 24-10 STAR MICRONICS NX10/ND10	**PDLR-329**
STAR MICRONICS SD-15	**PDLR-336**

Printer—Model	Part Number
T	
TECH3	**PDLR-133**
TOSHIBA P1340/1350/1360 TOSHIBA P321/341/351	**PDLR-333**
X	
XEROX 1750	**PDLR-61**

Computer Printable Labels Used With PANDUIT Marker Ties and Marker Plates



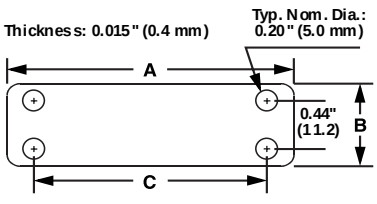
- Marker ties fasten and identify all types of wire and cable bundles at the same time
- Standard label sizes fit Panduit Marker Ties and Marker Plates for easy installation and identification
- Label, tie and marker materials available for indoor/ outdoor applications



MARKER TIES - Nylon 6.6 (Indoor Use)†

Part Number	Marker Type	Marking Area Size Width x Length In. (mm)	Length In. (mm)	Width In. (mm)	Maximum Bundle Diameter In. (mm)	Std. Pkg. Qty.*
PLM1M-C	Wrap	0.26 x 0.95 (6.6 x 24.1)	3.9 (99)	0.10 (2.5)	0.75 (19.1)	100
PLM2M-C	Wrap	0.26 x 0.95 (6.6 x 24.1)	8.0 (203)	0.10 (2.5)	2.00 (50.8)	100
PLF1M-C	Flag	0.75 x 0.31 (19.1 x 7.9)	4.3 (109)	0.10 (2.5)	0.87 (22.1)	100
PLF1MA-C	Flag	0.76 x 1.04 (19.3 x 26.4)	5.1 (130)	0.10 (2.5)	0.87 (22.1)	100
PLF1MB-C	Flag	0.92 x 0.31 (23.4 x 7.9)	4.0 (102)	0.10 (2.5)	0.75 (19.1)	100
PLM2S-C	Wrap	0.44 x 0.87 (11.2 x 22.1)	7.4 (188)	0.19 (4.8)	1.75 (44.5)	100
PLM4S-C	Wrap	0.44 x 2.00 (11.2 x 50.8)	14.6 (371)	0.19 (4.8)	4.00 (101.6)	100
PL2M2S-L	Wrap	0.87 x 1.07 (22.1 x 27.2)	7.4 (188)	0.19 (4.8)	1.75 (44.5)	50
PL3M2S-L	Wrap	0.87 x 1.79 (22.1 x 45.5)	7.4 (188)	0.19 (4.8)	1.75 (44.5)	50

*Order number of ties required in multiples of Standard Package Quantity.
†For Weather Resistant Black Nylon 6.6, add suffix "0". Example: PLM1M-C0.



MARKER PLATES - Nylon 6.6 (Indoor Use)†

Part Number	Use With Cable Ties	Dimensions Inches (mm) A	B	C	Std. Pkg. Qty.*
MP150-C	M, I, S	1.50 (38.1)	0.75 (19.1)	1.03 (26.2)	100
MP175-C		1.75 (44.5)	0.75 (19.1)	1.28 (32.5)	100
MP200-C		2.00 (50.8)	0.75 (19.1)	1.53 (38.4)	100
MP250-C		2.50 (63.5)	0.75 (19.1)	2.03 (51.6)	100
MP350-C		3.50 (88.9)	0.75 (19.1)	3.03 (77.0)	100
MP250W175-C		2.50 (63.5)	1.75 (44.5)	2.03 (51.6)	100

*Order number of marker plates required in multiples of Standard Package Quantity.
†For Weather Resistant Black Nylon 6.6, add suffix "0". Example: MP150-C0.

For more information on the complete line of Panduit Cable Ties and Marker Plates, request the full line Cable Ties and Wiring Accessories Catalog.

Marker Ties and Marker Plates used with Computer Printable Labels (cont.)

- PDL & PLL labels are used with Marker Ties and Marker Plates
- PDL (for Dot-Matrix printers)
- PLL (For Laser Printers)
- PLL label material is good for indoor and outdoor use. Recommended if you need excellent resolution.

TIE or PLATE Part No.	MATERIAL SELECTION ■ Label Part No. Prefix (PDL-)				LASER (PLL-)	LABEL SIZE Width x Length In. (mm)	Labels Per Row	Labels Per Fanfold	Std. Pkg. Qty.*
	GMP1	GMC	GMY	GMT	GMY2				
PLM1M	92	93	94	49		0.90 x 0.25 (22.9 x 6.3)	8	36	5000
PLM2M			285	284		0.90 x 0.25 (22.9 x 6.3)	8	32	5000
PLF1MA					5-Y2-10	0.80 x 0.25 (20.3 x 6.3)	10	39	10,000
PLF1MB	92	93	94	49		0.90 x 0.25 (22.9 x 6.3)	8	36	5000
SSM2S-C		257		259		0.30 x 0.94 (7.6 x 23.8)	16	12	5000
SSM4S-C		357		259		0.30 x 0.94 (7.6 x 23.8)	16	12	5000
PLF1M	85	37	39	84		0.75 x 0.25 (19.1 x 6.3)	9	36	5000
PLM2S		270	274			0.75 x 0.25 (19.1 x 6.3)	9	32	5000
					4-Y2-10	0.65 x 0.25 (16.5 x 6.3)	10	39	10,000
PLF1MA	122	119	121	120		0.50 x 0.25 (12.7 x 6.3)	12	12	5000
MP150		265		267		0.50 x 0.94 (12.7 x 23.8)	16	12	5000
MP175					9-Y2-10	1.00 x 0.50 (25.4 x 12.7)	7	19	10,000
PLM2S		254		256		0.30 x 0.75 (7.6 x 19.1)	16	12	5000
					5-Y2-10	0.80 x 0.25 (20.3 x 6.3)	8	39	10,000
PLM4S	112	114	111	110		2.00 x 0.38 (50.8 x 9.5)	3	24	5000
		257		259		0.30 x 0.94 (7.6 x 23.8)	16	12	5000
					16-Y2-5	1.88 x 0.38 (47.7 x 9.5)	4	25	5000
PL2M2S		19	20	99		1.00 x 0.50 (25.4 x 12.7)	7	18	5000
		288		290		1.00 x 0.75 (25.4 x 19.1)	7	12	5000
		280		282		0.80 x 0.94 (20.3 x 23.8)	10	12	5000
					9-Y2-10	1.00 x 0.50 (25.4 x 12.7)	7	19	10,000
PL3M2S	73	72	27	231		1.50 x 0.75 (38.1 x 19.1)	4	12	5000
		9		10		0.80 x 1.44 (20.3 x 36.5)	6	8	5000
					9-Y2-10	1.00 x 0.50 (25.4 x 12.7)	7	19	10,000
MP150	174		172			0.80 x 0.50 (20.3 x 12.7)	10	16	5000
MP175		288		290		1.00 x 0.75 (25.4 x 19.1)	7	12	5000
MP200					9-Y2-10	1.00 x 0.50 (25.4 x 12.7)	7	19	10,000
MP250	73	72	27	231		1.50 x 0.75 (38.1 x 19.1)	4	12	5000
MP350	112	114	111	110		2.00 x 0.38 (50.8 x 9.5)	3	24	5000
					16-Y2-5	1.88 x 0.38 (47.7 x 9.5)	4	25	5000
MP250W175	73	72	27	231		1.50 x 0.75 (38.1 x 19.1)	4	12	5000
		298				1.50 x 0.90 (38.1 x 22.9)	4	12	5000
					17-Y2-2.5	1.88 x 0.83 (47.7 x 21.1)	4	11	2500
					18-Y2-1.5	1.88 x 1.33 (47.7 x 33.8)	4	7	1500

■ See material selection chart on page 84
*Order number of labels required in multiples of Std. Pkg. Qty.

Wire Marking Products

Selection of Styles

Marker Books

Pages 132 to 137

Convenient, pocket sized books are an economical, handy way to use wire and identification markers.The book cover keeps the markers fresh and provides part number for re-ordering. Flexible release coated backing for easy marker removal.

Marker Cards

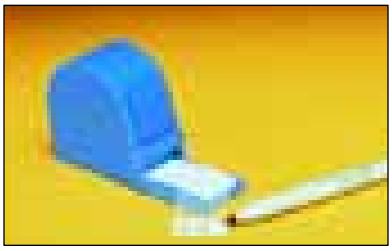
Pages 138 to 147

Choose from the many legends available in general purpose vinyl cloth, or from special materials available to meet a variety of application environments. All of the markers are offered in full size-1.50" (38.1 mm) long for wire outside diameter up to 0.38" (9.5 mm); half size markers for wire outside diameter up to 0.19" (4.7 mm) can be ordered.

Marker Tape

Page 148

Handy dispensers allow tape to be cut quickly and cleanly to any length for different wire or cable diameters. The tape is laminated to insure lasting legibility and resistance to abrasion, oil, water, grease and solvents. Refill rolls are available in a variety of legends.



Self-Laminating Write-On Markers

Page 148

Durable dispenser filled with self-laminating write-on markers. Markers are protected inside dispenser. Markers are available in two sizes for wire outside diameter up to 0.69" (17.5 mm). Refill rolls load easily into reusable dispenser.

Slip-On Markers

Page 149

Panduit slip-on markers provide convenient, permanent identification for wire marking applications. Durable and easy to install, slip-on's expand to double their inside diameter and accommodate a wide range of wire marker diameters (5 sizes from 22AWG to 350MCM), reducing wire marker inventory.

Clip-On Markers

Page 150

Clip-on markers provide the fastest, most convenient, high visibility identification of wires, cables and tubing. All markers are supplied on a handy application wand which speeds installation. Several sizes are available for bundle diameters 0.08" (1.9 mm) through 0.62" (15.7 mm).

Wire Marker Material Selection Guide

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec	CSA
GMA1	Aluminum	-40°F to 300°F (-40°C to 149°C)	Dead soft aluminum foil wraps easily around wire. Resistant to solvents, oil, heat and abrasion.	Matte Silver	Yes	Yes	No	No
GMAC	Acetate Cloth	-30°F to 220°F (-34°C to 105°C)	Has less discoloration at high temperatures than most materials; good material for varnish dip or baking cycles	White	No	No	No	No
GMACT	Acetal (Non-Adhesive)	-22°F to194°F (-30°C to 90°C)	Clip-On Wire Marker Material is very strong and has excellent resiliency; good resistance to oils and solvents	White Yellow	No	Yes	No	No
GMC1	Vinyl Cloth	-50°F to 170°F (-46°C to 77°C)	General purpose wire marker material; resists oil and abrasion; can be removed and reused	White Yellow	No	No	No	No
GMM1	Polyester Film	-40°F to 275°F (-40°C to 135°C)	Thin, flexible material produces low profile marker. Resistant to oil, dirt heat and abrasion	White	Yes	Yes	No	No
GMP1	Destructible Paper	-65°F to 200°F (-54°C to 93°C)	Litho paper with destructible adhesive for permanent applications	White	No	No	No	No
GMT	TEDLAR ▲	-40°F to 275°F (-40°C to 135°C)	Self-extinguishing film for high quality indoor/outdoor, high temperature labels	White	Yes	Yes	Yes	Yes
GMV1	Vinyl Film	-40°F to176°F (-40°C to 80°C)	General purpose vinyl film	White	Yes (2 yrs.)	No	No	No
GMV3	Self-Laminating Vinyl	-40°F to 150°F (-40°C to 66°C)	Preferred material for most general wire and cable labeling; thin, conformable material	Clear w/ White Print-On Area	No	No	Yes	Yes
GMV11	Vinyl Extrusion (Non-Adhesive)	-8°F to 177°F (-22°C to 80°C)	Slip-On Wire Marker Material is flexible material; good for harsh environments	White Yellow	Yes	Yes	No	No
GMY	Polyester	-40°F to 311°F (-40°C to 154°C)	Provides durability, high temperature resistance, and dimensional stability	White	Yes	Yes	Yes	Yes

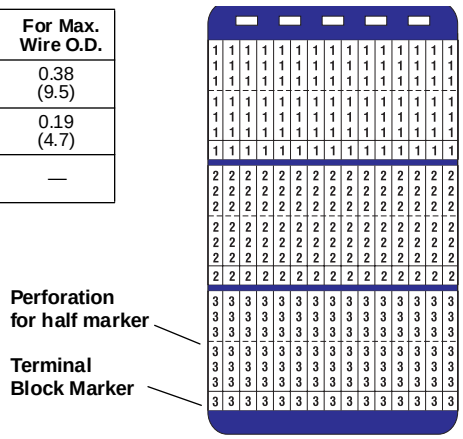
▲TEDLAR is the registered trademark of E. I. DuPont Co.

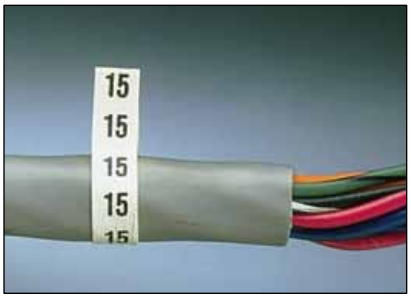
Marker Books

Pre-Assembled Books
Material: GMC1 Vinyl Cloth

- Available with white and yellow backgrounds
- Each marker is perforated to form half markers

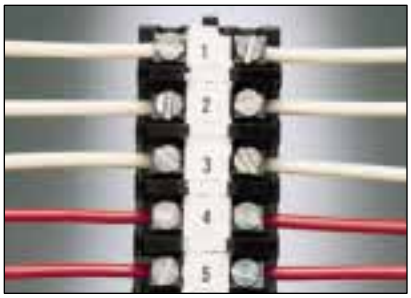
Marker Type	Marker Size In. (mm)	For Max. Wire O.D.
Full	0.22 x 1.38 (5.6 x 34.9)	0.38 (9.5)
Half	0.22 x 0.69 (5.6 x 17.4)	0.19 (4.7)
Terminal Block	0.22 x 0.25 (5.6 x 6.3)	—





Markers can be used as temporary flag markers

Markers can be torn in half at perforation to mark both ends of conductor



Terminal Block Marker is provided to permanently identify terminal connections

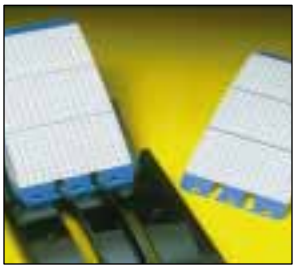
Black Legend on White Part Number	Black Legend on Yellow Part Number	Legend	Number of Markers Each Legend	Pages Per Book	Std. Pkg. Qty.*	Std. Ctn. Qty.
PCMB-1	PCYMB-1	0 thru 9	45	10 Pgs.	1 Book	10 Books
PCMB-2	PCYMB-2	A thru Z, 0 thru 15, +, -, /	10			
PCMB-3	PCYMB-3	1 thru 45	10			
PCMB-4	PCYMB-4	1, 2, 3	150			
PCMB-5	PCYMB-5	A, B, C	150			
PCMB-6	PCYMB-6	T1, T2, T3	150			
PCMB-7	PCYMB-7	L1, L2, L3	150			
PCMB-8	PCYMB-8	1 thru 15	6			
		16 thru 90	4			
		A thru Z, +, -, /, 0	2			
PCMB-9	PCYMB-9	1, 2, 3, A, B, C	45			
		L1, L2, L3, T1, T2, T3	30			
PCMB-10	—	Solid NEMA colors: red, yellow, white, light blue, light green, black, brown, orange, gray, dark green	45 each color			
PCMB-11	—	1 thru 30	15			
PCMB-12	—	A thru Z	15			
		+	8			
		-	7			
		Blank (write on)	21			
PCMB-13	—	+, -, AC, DC	45			
		POS, NEG, GND	33			
		NEUT	27			
		SPARE, Blank (write-on)	21			
PCMB-14	—	46 thru 90	10			
PCMB-15	—	0 thru 45, +, -	10			
PCMB-16	—	0 thru 33, A, B, C, +, -	10			
		L1, L2, L3, T1, T2, T3	10			
PCMB-25	—	0 thru 9	45	12 Pgs.		
		L1, L2, L3, T1, T2, T3	15			

*Order number of books required in multiples of Std. Pkg. Qty.; Std. Ctn. is for order convenience.

Marker Books (cont.)

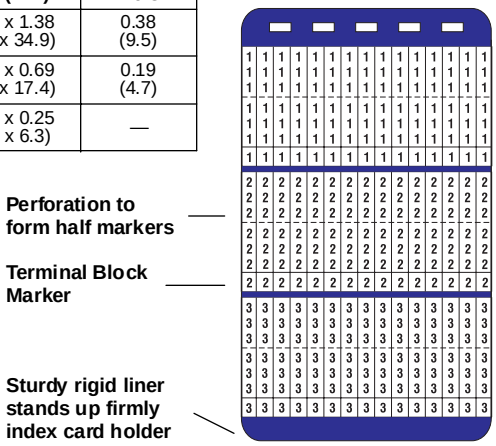
Replacement Pages (for marker books or index files) Material: GMC1 Vinyl Cloth

Marker Type	Marker Size In. (mm)	For Max. Wire O.D.
Full	0.22 x 1.38 (5.6 x 34.9)	0.38 (9.5)
Half	0.22 x 0.69 (5.6 x 17.4)	0.19 (4.7)
Terminal Block	0.22 x 0.25 (5.6 x 6.3)	—



Replacement pages can be used in OEM applications and held in typical "roll-over" index card holders

Convenient replacement pages offer versatility for applications that require a variety of different identification requirements



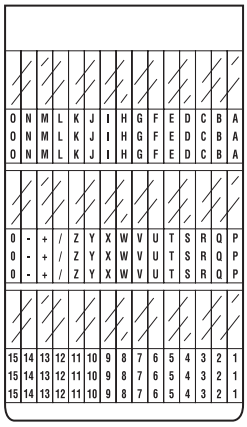
Part Number	Legend	Number of Markers Each Legend	Pages Per Book	Std. Pkg. Qty.*	Std. Ctn. Qty.
Numbers					
PCMBR-0 PCMBR-1 thru PCMBR-99	0 1 thru 99	450	10 Pgs.	1 Book	10 Books
PCMBR-100	100	330			
PCMBR-0-9 PCMBR-10-19 thru PCMBR-90-99	0 thru 9 10 thru 19 (one full page of each legend) thru 90 thru 99	45			
PCMBR-100-109 thru PCMBR-190-199	100 thru 109 thru (one full page of each legend) 190 thru 199	33			
Letters					
PCMBR-A thru PCMBR-Z	A thru Z	450	10 Pgs.	1 Book	10 Books
PCMBR-A-Z	A thru Z, /, +, –, 0 thru 15	10			
Symbols					
PCMBR-T1-T3	T1, T2, T3	150	10 Pgs.	1 Book	10 Books
PCMBR-L1-L3	L1, L2, L3	150			
PCMBR-PLS	+	450			
PCMBR-MIN	–	450			

Legend: Black Background: White
*Order number of books required in multiples of Std. Pkg. Qty.; Std. Ctn. is for order convenience.

Marker Books (cont.)

Pre-Assembled Self-Laminating Books
Material: GMV3 Self-Laminating Vinyl

- Self-laminate protects the legend against water, grease or solvents
- Provides quick, clear identification of wires or cables
- Marker Size: 0.22" x 1.38" (5.6 mm x 34.9 mm)



Part Number	Legend	Number of Markers Each Legend	Marker Size Width x Length In. (mm)	For Max. Wire O.D. In. (mm)	Pages Per Book	Std. Pkg. Qty.*	Std. Ctn. Qty.
PLMA1	0 thru 9	45	0.22 x 1.56 (5.6 x 39.7)	0.19 (4.7)	10 Pgs.	1 Book	10 Books
PLMA2	A thru Z, 0 thru 15, +, -, /	10					
PLMA3	1 thru 45	10					
PLMA4	1, 2, 3	150					
PLMA5	A, B, C	150					
PLMA6	T1, T2, T3	150					
PLMA8	1 thru 15	6					
	16 thru 90	4					
	A thru Z, +, -, /, 0	2					
PLMA9	1, 2, 3, A, B, C	45					
	L1, L2, L3, T1, T2, T3	30					
PLMA11	1 thru 30	15					
PLMA12	A thru Z	15					
	+	8					
	-	7					
	Blank (write on)	21					
PLMA13	+, -, AC, DC	45					
	POS, NEG, GND	33					
	NEUT	27					
	SPARE, Blank (write-on)	21					
PLMA14	46 thru 90	10					
PLMA15	0 thru 45, +, -	10					
PLMA16	0 thru 33, A, B, C, +, -	10					
	L1, L2, L3, T1, T2, T3	10					

*Order number of books required in multiples of Std. Pkg. Qty.; Std. Ctn. is for order convenience.

Load Center Markers

Used to Identify Circuits on Residential Breaker Panels
Material: GMC1 Vinyl Cloth

Marker Size: **1.41" x 0.75" (35.8 mm x 19.0 mm)**

Part Number	Legend	Total Markers Each Legend	Pages Per Book	Std. Pkg. Qty.*	Std. Ctn. Qty.
PCMB-LC	(2) each/page: Main, Oven, D. Washer, S. Pump, W. Pump, Kitchen, Fam. Rm., Mn. Bath, Mr. Bath, Pwd. Rm., Mr. B'rm., B'rm. 2, B'rm. 3, B'rm. 4, Utl. Rm., Range, Dryer, Disposal, Heating, Air. Cond., Garage, Din. Rm., Liv. Rm.	20	5 pgs.	1 Book	10 Books

Black legend on white background
*Order number of books required in multiples of Std. Pkg. Qty.; Std. Ctn. Qty. is for order convenience

Marker Books (cont.)

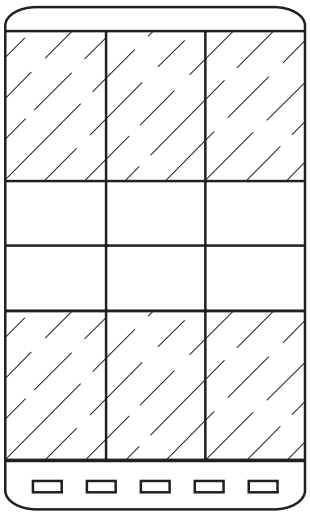
Blank Self-Laminating Write-On Cable Marker Books
Material: GMV3 Self-Laminating Vinyl

Blank write-on area available in a variety of sizes and colors

Quick, clear identification of wires or cable

Mark write-on area using Panduit fast-drying, non-smear, marking pens found on page 137

Self laminate protects the legend against water, grease, oil or solvents



Part Number	Write-On Area Color	Write-On Area Size Width x Length In. (mm)	Total Marker Size Width x Length In. (mm)	For Maximum Wire O.D. In. (mm)	Total Markers per Page	Pages Per Book	Std. Pkg. Qty.*	Std. Ctn. Qty.
PSCB-12	White	0.50 x 0.63 (12.7 x 15.9)	0.50 x 1.50 (12.7 x 38.1)	0.31 (7.9)	18	10 pgs.	1 Book	10 Books
PSCB-3	White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 3.00 (25.4 x 76.2)	0.69 (17.5)	6			
PSCB-3BLK	Black							
PSCB-3BLU	Blue							
PSCB-3GRN	Green							
PSCB-3RED	Red							
PSCB-3YEL	Yellow							
PSCB-3C	2 Pages Each: Black, Blue, Green, Red, Yellow							
PSCB-13	White	1.50 x 0.75 (38.1 x 19.1)	1.50 x 3.00 (38.1 x 76.2)	0.69 (17.5)	4			
PSCB-5	White	1.00 x 1.00 (25.4 x 25.4)	1.00 x 5.00 (25.4 x 127.0)	1.25 (31.7)	3			
PSCB-6	White	1.00 x 1.00 (25.4 x 25.4)	1.00 x 6.00 (25.4 x 152.4)	1.56 (39.7)	3			
PSCB-6BLU	Blue							
PSCB-6GRN	Green							
PSCB-6RED	Red							
PSCB-6YEL	Yellow							
PSCB-6C	2 Pages Each: Black, Blue, Green, Red, Yellow							
PSCB-16	White	1.50 x 1.00 (38.1 x 25.4)	1.50 x 6.00 (38.1 x 152.4)	1.56 (39.7)	2			

*Order number of books required in multiples of Std. Pkg. Qty.; Std. Ctn. Qty. is for order convenience

Other Self-Laminating Wire Markers available: Thermal Transfer (pg. 36), Laser (pgs. 60-61), Dot-Matrix (pgs. 85-87), Card (pg. 146), Dispenser (pg. 148)

Network Systems Marker Books

Identify wires, cables and outlets for telephone, computer or peripheral connections
Material: GMY Polyester

MINI-JACK™ Labels

Available in 2 styles:

- Wrap-Around

- Standard

Wrap-Around Label Marker Books

New

Black on Clear Part Numbers	Legend	Total Markers Each Legend (Book)	Size Width x Length In. (mm)	Std. Pkg. Qty.*
PJIBM-COM	VOICE, DATA, FAX	248/248/124	1.38 x 0.19 (34.9 x 4.8)	1 Book (10 pages)
PJIBM-V	VOICE	620		
PJIBM-D	DATA	620		
PJIBM-DEC	DEC	620		
PJIBM-LAN	LAN	620		
PJIBM-BLNK	(blank)	620		
PJIBM-COMS	☎ 🖷 📠	248/248/124		
PJIBM-VS	☎	620		
PJIBM-DS	🖷	620		

*Order number of books required in multiples of Std. Pkg. Qty.

Standard Label Marker Books

Black on Clear Part Numbers	White on Clear Part Numbers	Legend	Total Markers Each Legend (Book)	Size Width x Length In. (mm)	Std. Pkg. Qty.*
PSCBF-COM	PSWBF-COM	VOICE, DATA, FAX	300/300/150	0.56 x 0.19 (14.3 x 4.8)	1 Book (5 pages)
PSCBF-V	PSWBF-V	VOICE	750		
PSCBF-D	PSWBF-D	DATA	750		
PSCBF-BLNK	—	(blank)	750		
PSCBF-COMS	PSWBF-COMS	☎ 🖷 📠	300/300/150		
PSCBF-VS	PSWBF-VS	☎	750		
PSCBF-DS	PSWBF-DS	🖷	750		
PSCBF-FO	PSWBF-FO	FIBER OPTIC	375/375		
PSCBF-M	—	†See Note	750		

*Order number of books required in multiples of Std. Pkg. Qty.
†Note: PSCBF-M is a "**Universal Network Labeling Book**" designed to meet most network labeling requirements. Legends include: DATA 1 thru 8, COM 1 thru 8, VOICE 1 thru 8, DATA A thru H, COM A thru H, CAT 5, CAT V, FAX, PHONE, E-NET, LAN, MODEM, PRINTER, 1 thru 8, A thru H and the Data, Voice and Fax symbols shown above.

Surface Mount Box Labels

- Write-on area for marking of extension number, etc. Use Panduit Marking Pen (PFX-0) shown below.

Surface Mount Box Marker Books

Black on Clear Part Number	Legend	Total Markers Each Legend (Book)	Size Width x Length In. (mm)	Std. Pkg. Qty.*
PSCB-COM	VOICE, DATA, FAX	200/200/100	0.56 x 0.56 (14.3 x 14.3)	1 Book (10 pages)
PSCB-V	VOICE	500		
PSCB-D	DATA	500		
PSCB-LAN	LAN	500		
PSCB-BLNK	(blank)	500		
PSCB-COMS	☎ 🖷 📠	200/200/100		
PSCB-VS	☎	500		
PSCB-DS	🖷	500		

*Order number of books required in multiples of Std. Pkg. Qty.

Marking Pens

- Fast drying permanent ink

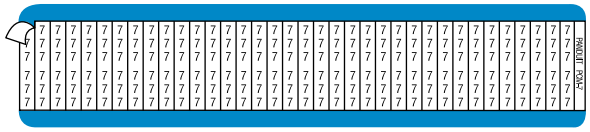
Part Number	Color	Description	Std. Pkg.*	Std. Ctn.
PX-0	Black	Color of pen is color of ink. Reversible tip to extend life of pen.	12	48
PX-2	Red		12	48
PFX-0	Black	For detailed marking on nylon surfaces. Color cap and end is color of ink.	12	48
PFX-2	Red		12	48

*Order number of pens required in multiple of Std. Pkg. Qty.; Std. Ctn. is for order convenience.

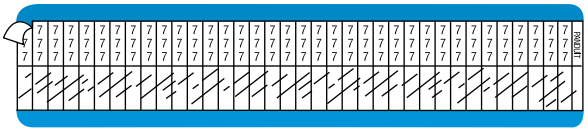
Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)

Marker Cards

Solid Numbers



Type PCM, PACM, PALM and PPM

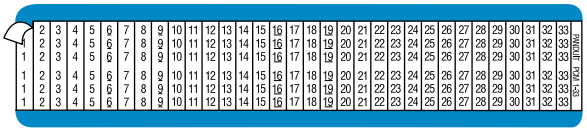


Type PSM

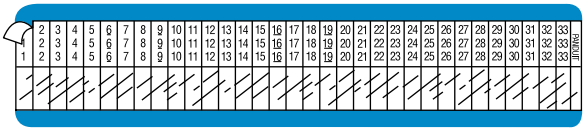
Legend	Part Number					Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMAC Acetate Cloth	GMA1 Aluminum	GMM1 Polyester	GMV3 Self-Lam Vinyl		
0 Thru 25	**PCM-0 Thru PCM-25**	**PACM-0 Thru PACM-25**	**PALM-0 Thru PALM-25**	**PPM-0 Thru PPM-25**	**PSM-0 Thru PSM-25**	36/72 36/72	25 Cards
Thru 49	**Thru PCM-49**	— —	— —	**Thru PPM-49**	**Thru PSM-49**	36/72	
Thru 99	**Thru PCM-99**	— —	— —	— —	**Thru PSM-99**	36/72	
Thru 200	**Thru PCM-200**	— —	— —	— —	**Thru PSM-200**	25/50	
Thru 600	**Thru PCM-600**	— —	— —	— —	— —	25/50	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

Consecutive Numbers



Type PCM, PACM, PALM and PPM



Type PSM

Legend	Part Number					Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMAC Acetate Cloth	GMA1 Aluminum	GMM1 Polyester	GMV3 Self-Lam Vinyl		
1-33 34-66 67-99	**PCM-1-33 PCM-34-66 PCM-67-99**	**PACM-1-33 PACM-34-66 PACM-67-99**	**PALM-1-33 PALM-34-66 PALM-67-99**	**PPM-1-33 PPM-34-66 PPM-67-99**	**PSM-1-33 PSM-34-66 PSM-67-99**	33/66 33/66 33/66	25 Cards
100-124 125-149 150-174 Thru 675-699	**PCM-100-124 PCM-125-149 PCM-150-174 Thru PCM-675-699**	— — — — —	— — — — —	**PPM-100-124 PPM-125-149 PPM-150-174 Thru PPM-675-699**	— — — — —	25/50 25/50 25/50 25/50	
Thru 1975-1999	**Thru PCM-1975-1999**	— —	— —	— —	— —	25/50	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

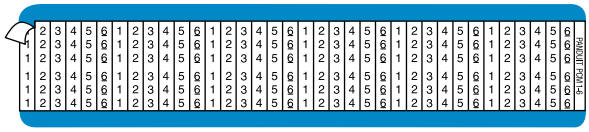
*Order number of cards required in multiples of Std. Pkg. Qty.

Cards available in less than Std. Pkg.; Contact your local Panduit Distributor for details.

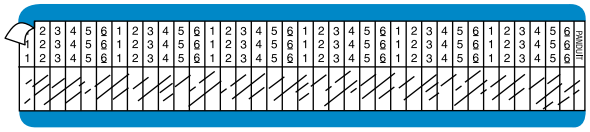
Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)

Marker Cards (cont.)

Consecutive Numbers Repeated



Type PCM, PALM and PPM



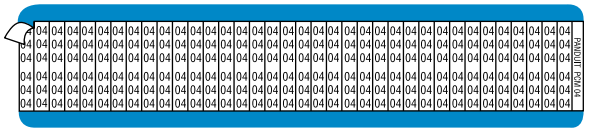
Type PSM

Legend	Part Number				Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMA1 Aluminum	GMM1 Polyester	GMV3 Self-Lam Vinyl		
(12) ea. 1-3	**PCM-1-3**	—	—	—	36/72	25 Cards
(9) ea. 1-4	**PCM-1-4**	—	—	—	36/72	
(8) ea. 1 (7) ea. 2-5	**PCM-1-5**	—	—	—	36/72	
(6) ea. 1-6	**PCM-1-6**	—	**PPM-1-6**	—	36/72	
(5) ea. 1-4 (4) ea. 5-8	**PCM-1-8**	—	—	—	36/72	
(4) ea. 1-9	**PCM-1-9**	—	—	—	36/72	
(4) ea. 0-5 (3) ea.6-9	**PCM-0-9**	—	**PPM-0-9**	**PSM-0-9**	36/72	
(4) ea. 1-3 (3) ea. 4-10	**PCM-1-10**	**PALM-1-10**	—	—	36/72	
(3) ea. 1-12	**PCM-1-12**	—	**PPM-1-12**	—	36/72	
(4) ea. 1-4 (3) ea. 5-16	**PCM-1-16**	—	—	—	36/72	
(2) ea. 1-18	**PCM-1-18**	—	**PPM-1-18**	—	36/72	
(2) ea. 19-36	**PCM-19-36**	—	—	—	36/72	

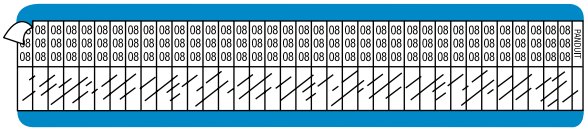
†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

Suffix Numbers

Suffix numbers are used to extend numbers or to create alpha-numeric codes. For example, adding suffix number 10 to number 700 creates 70010.



Type PCM



Type PSM

Legend	Part Number		Mkrs Per Card	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMV3 Self-Lam Vinyl		
00	**PCM-00**	**PSM-00**	36	25 Cards
01	**PCM-01**	**PSM-01**	36	
Thru	**Thru**	**Thru**		
09	**PCM-09**	**PSM-09**	36	
00-09	**PCM-00-09**	—	36	

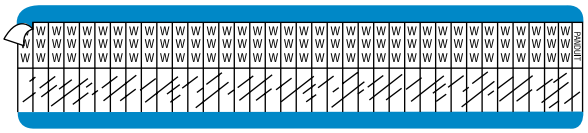
NOTE: Part PCM-00-09 is a card of markers in 00 to 09 sequence with three sequences on a card.

Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)

Marker Cards (cont.)

Solid Letters

Type PCM, PACM, PALM and PPM

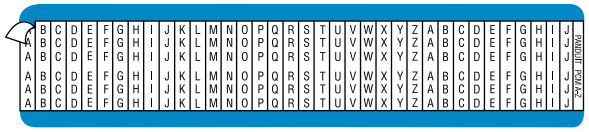


Type PSM

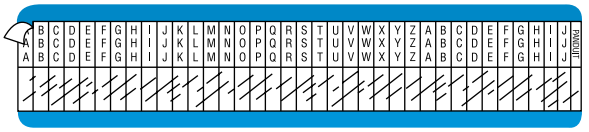
Legend	Part Number					Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMAC Acetate Cloth	GMA1 Aluminum	GMM1 Polyester	GMV3 Self-Lam Vinyl		
A B Thru Z	**PCM-A** **PCM-B** **Thru** **PCM-Z**	**PACM-A** **PACM-B** **Thru** **PACM-Z**	**PALM-A** **PALM-B** **Thru** **PALM-Z**	**PPM-A** **PPM-B** **Thru** **PPM-Z**	**PSM-A** **PSM-B** **Thru** **PSM-Z**	36/72 36/72 36/72	25 Cards

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

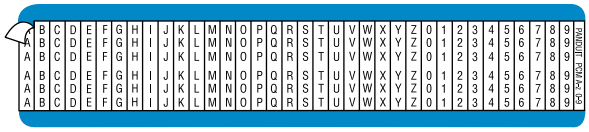
Consecutive Letters



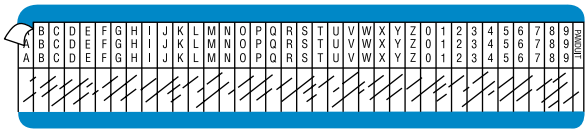
PCM-A-Z, PALM-A-Z, PPM-A-Z



PSM-A-Z



PCM-A-Z-0-9



PSM-A-Z-0-9

Legend	Part Number				Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMA1 Aluminum	GMM1 Polyester	GMV3 Self-Lam Vinyl		
(2) ea. A thru J (1) ea. K thru Z	**PCM-A-Z**	**PALM-A-Z**	**PPM-A-Z**	**PSM-A-Z**	36/72	25 Cards
(1) ea. A thru Z (1) ea. 0 thru 9	**PCM-A-Z-0-9**	**—**	**—**	**PSM-A-Z-0-9**	36/72	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

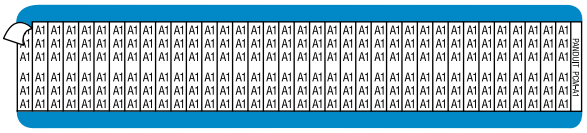
*Order number of cards required in multiples of Std. Pkg. Qty.

Cards available in less than Std. Pkg.; Contact your local Panduit Distributor for details.

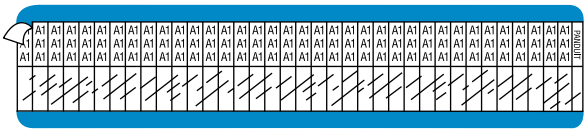
Marker Cards (cont.)

Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)

Solid Letters and Numbers (Used in combination with each other)



Type PCM, PALM and PPM



Type PSM

Legend	Part Number				Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMA1 Aluminum	GMM1 Polyester	GMV3 Self-Lam Vinyl		
A1	PCM-A1	PALM-A1	PPM-A1	PSM-A1	36/72	25 Cards
A2	PCM-A2	PALM-A2	PPM-A2	PSM-A2	36/72	
A3	PCM-A3	—	—	PSM-A3	36/72	
A4	PCM-A4	—	—	—	36/72	
A5	PCM-A5	—	—	—	36/72	
B1	PCM-B1	—	—	—	36/72	
Thru	Thru	—	—	—		
B5	PCM-B5	—	—	—	36/72	
C1	PCM-C1	—	PPM-C1	—	36/72	
C2	PCM-C2	—	PPM-C2	—	36/72	
Thru	Thru	—	—	—		
C5	PCM-C5	—	—	—	36/72	
D1	—	—	—	PSM-D1	36/72	
Thru	—	—	—	Thru		
D5	—	—	—	PSM-D5	36/72	
E1	PCM-E1	—	—	—	36/72	
Thru	Thru	—	—	—		
E5	PCM-E5	—	—	—	36/72	
F1	PCM-F1	PALM-F1	PPM-F1	—	36/72	
F2	PCM-F2	PALM-F2	PPM-F2	—	36/72	
F3	PCM-F3	—	PPM-F3	—	36/72	
F4	PCM-F4	—	—	—	36/72	
F5	PCM-F5	—	—	—	36/72	
H1	PCM-H1	—	PPM-H1	—	36/72	
Thru	Thru	—	Thru	—		
H4	PCM-H4	—	PPM-H4	—	36/72	
H5	PCM-H5	—	—	—	36/72	
J1	PCM-J1	—	—	—	36/72	
Thru	Thru	—	—	—		
J4	PCM-J4	—	—	—	36/72	
L1	PCM-L1	PALM-L1	PPM-L1	PSM-L1	36/72	
L2	PCM-L2	PALM-L2	PPM-L2	PSM-L2	36/72	
L3	PCM-L3	PALM-L3	PPM-L3	PSM-L3	36/72	
L4	PCM-L4	—	—	—	36/72	
L5	PCM-L5	—	—	—	36/72	
M1	PCM-M1	—	—	—	36/72	
Thru	Thru	—	—	—		
M5	PCM-M5	—	—	—	36/72	
P1	PCM-P1	PALM-P1	PPM-P1	—	36/72	
P2	PCM-P2	PALM-P2	PPM-P2	—	36/72	
P3	PCM-P3	—	—	—	36/72	
P4	PCM-P4	—	—	—	36/72	
R1	PCM-R1	—	—	—	36/72	
Thru	Thru	—	—	—		
R5	PCM-R5	—	—	—	36/72	
S1	PCM-S1	PALM-S1	PPM-S1	—	36/72	
S2	PCM-S2	PALM-S2	PPM-S2	—	36/72	
S3	PCM-S3	—	PPM-S3	—	36/72	
S4	PCM-S4	—	PPM-S4	—	36/72	
S5	PCM-S5	—	—	—	36/72	
T1	PCM-T1	PALM-T1	PPM-T1	PSM-T1	36/72	
T2	PCM-T2	PALM-T2	PPM-T2	PSM-T2	36/72	
T3	PCM-T3	PALM-T3	PPM-T3	PSM-T3	36/72	
T4	PCM-T4	PALM-T4	PPM-T4	—	36/72	
T5	PCM-T5	PALM-T5	—	—	36/72	
T6	PCM-T6	PALM-T6	—	—	36/72	
Thru	Thru	—	—	—		
T10	PCM-T10	—	—	—	36/72	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

More legends shown on next page.

Marker Cards (cont.)

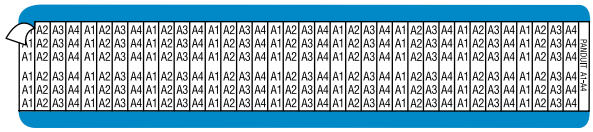
Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)

Solid Letters and Numbers (cont.)

Legend	Part Number				Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMA1 Aluminum	GMM1 Polyester	GMV3 Self-Lam Vinyl		
X1	**PCM-X1**	**PALM-X1**	**PPM-X1**	**PSM-X1**	36/72	25 Cards
X2	**PCM-X2**	**PALM-X2**	**PPM-X2**	**PSM-X2**	36/72	
X3	**PCM-X3**	—	**PPM-X3**	—	36/72	
X4	**PCM-X4**	—	**PPM-X4**	—	36/72	
Y1	**PCM-Y1**	—	—	—	36/72	
Y2	**PCM-Y2**	—	—	—	36/72	
Z1	**PCM-Z1**	—	—	—	36/72	
Z2	**PCM-Z2**	—	—	—	36/72	
Z3	**PCM-Z3**	—	—	—	36/72	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

Consecutive Letters and Numbers Repeated

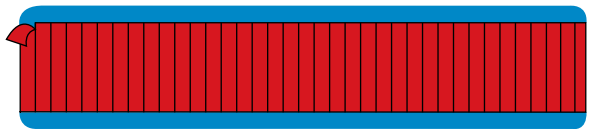


Type PCM

Legend	Part Number	Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth		
(9) ea. A1-A4	**PCM-A1-A4**	36/72	25 Cards
(9) ea. F1-F4	**PCM-F1-F4**	36/72	
(9) ea. H1-H4	**PCM-H1-H4**	36/72	
(9) ea. L1-L4	**PCM-L1-L4**	36/72	
(9) ea. T1-T4	**PCM-T1-T4**	36/72	
(9) ea. W1-W4	**PCM-W1-W4**	36/72	
(9) ea. X1-X4	**PCM-X1-X4**	36/72	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

Solid NEMA Colors (Blank)



Type PCM and PPM

Color	Part Number		Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMM1 Polyester		
Black	**PCM-BLK**	**PPM-BLK**	36/72	25 Cards
Brown	**PCM-BRN**	**PPM-BRN**	36/72	
Dark Blue	**PCM-DBL**	**PPM-DBL**	36/72	
Dark Green	**PCM-DGN**	**PPM-DGN**	36/72	
Gray	**PCM-GRY**	**PPM-GRY**	63/72	
Light Blue	**PCM-LBL**	**PPM-LBL**	36/72	
Light Green	**PCM-LGN**	**PPM-LGN**	36/72	
Orange	**PCM-ORN**	**PPM-ORN**	36/72	
Pink	**PCM-PNK**	**PPM-PNK**	36/72	
Purple	**PCM-PUR**	**PPM-PUR**	36/72	
Red	**PCM-RED**	**PPM-RED**	36/72	
Tan	**PCM-TAN**	**PPM-TAN**	36/72	
White	**PCM-WHT**	**PPM-WHT**	36/72	
Yellow	**PCM-YEL**	**PPM-YEL**	36/72	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

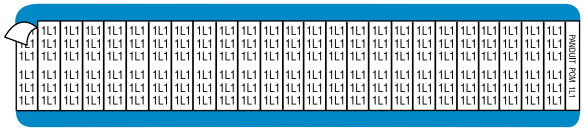
*Order number of cards required in multiples of Std. Pkg. Qty.

Cards available in less than Std. Pkg.; Contact your local Panduit Distributor for details.

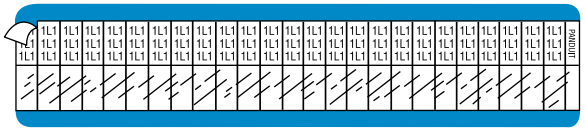
Marker Cards (cont.)

Solid Machine Tool Symbols

Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)



Type PCM



Type PSM

Legend	Part Number		Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
	GMC1 Vinyl Cloth	GMV3 Self-Lam Vinyl		
1L1	PCM-1L1	PSM-1L1	25/50	
1L2	PCM-1L2	PSM-1L2	25/50	
1L3	PCM-1L3	PSM-1L3	25/50	
2L1	PCM-2L1	PSM-2L1	25/50	
2L2	PCM-2L2	PSM-2L2	25/50	
2L3	PCM-2L3	PSM-2L3	25/50	
3L1	PCM-3L1	PSM-3L1	25/50	
3L2	PCM-3L2	PSM-3L2	25/50	
3L3	PCM-3L3	PSM-3L3	25/50	
4L1	PCM-4L1	PSM-4L1	25/50	
4L2	PCM-4L2	PSM-4L2	25/50	
4L3	PCM-4L3	PSM-4L3	25/50	
4L4	—	PSM-4L4	25/50	
5L1	PCM-5L1	—	25/50	
5L2	PCM-5L2	—	25/50	
5L3	PCM-5L3	—	25/50	
6L1	PCM-6L1	—	25/50	
6L2	PCM-6L2	—	25/50	
6L3	PCM-6L3	—	25/50	
7L1	PCM-7L1	—	25/50	
7L2	PCM-7L2	—	25/50	
7L3	PCM-7L3	—	25/50	
8L1	PCM-8L1	—	25/50	
8L2	PCM-8L2	—	25/50	
8L3	PCM-8L3	—	25/50	
9L1	PCM-9L1	—	25/50	25 Cards
9L2	PCM-9L2	—	25/50	
9L3	PCM-9L3	—	25/50	
10L1	PCM-10L1	—	25/50	
10L2	PCM-10L2	—	25/50	
10L3	PCM-10L3	—	25/50	
1T1	PCM-1T1	PSM-1T1	25/50	
1T2	PCM-1T2	PSM-1T2	25/50	
1T3	PCM-1T3	PSM-1T3	25/50	
2T1	PCM-2T1	PSM-2T1	25/50	
2T2	PCM-2T2	PSM-2T2	25/50	
2T3	PCM-2T3	PSM-2T3	25/50	
3T1	PCM-3T1	PSM-3T1	25/50	
3T2	PCM-3T2	PSM-3T2	25/50	
3T3	PCM-3T3	PSM-3T3	25/50	
4T1	PCM-4T1	PSM-4T1	25/50	
4T2	PCM-4T2	PSM-4T2	25/50	
4T3	PCM-4T3	PSM-4T3	25/50	
5T1	PCM-5T1	—	25/50	
5T2	PCM-5T2	—	25/50	
5T3	PCM-5T3	—	25/50	
6T1	PCM-6T1	—	25/50	
6T2	PCM-6T2	—	25/50	
6T3	PCM-6T3	—	25/50	
7T1	PCM-7T1	—	25/50	
7T2	PCM-7T2	—	25/50	
7T3	PCM-7T3	—	25/50	

†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

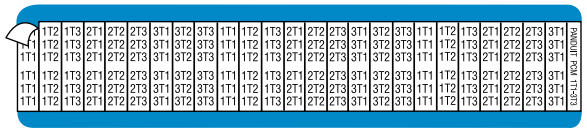
*Order number of cards required in multiples of Std. Pkg. Qty.

Cards available in less than Std. Pkg.; Contact your local Panduit Distributor for details.

Marker Cards (cont.)

Consecutive Machine Tool - Repeated

Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)

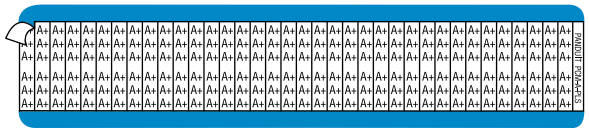


Type PCM

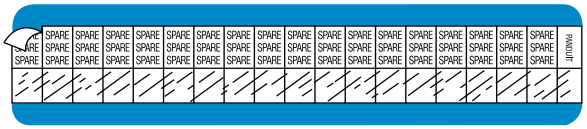
Legend	Part Number GMC1 Vinyl Cloth	Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
1T1, 1T2, 1T3 2T1, 2T2, 2T3 3T1, 3T2, 3T3	**PCM-1T1-3T3**	25/50	25 Cards
4T1, 4T2, 4T3 5T1, 5T2, 5T3 6T1, 6T2, 6T3	**PCM-4T1-6T3**	25/50	
7T1, 7T2, 7T3 8T1, 8T2, 8T3 9T1, 9T2, 9T3	**PCM-7T1-9T3**	25/50	

†Half length markers available for PCM parts above. To order, substitute PCMH for

Solid Symbols – Misc.



Type PCM and PPM



Type PSM

Legend	Meaning	Part Number GMC1 Vinyl Cloth	Part Number GMM1 Polyester	Part Number GMV3 Self-Lam Vinyl	Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
A+	A plus	**PCM-A-PLS**	—	—	36/72	25 Cards
A–	A minus	**PCM-A-MNS**	—	—	36/72	
A+, A–	A plus, A minus	**PCM-A-PM**	—	—	18/36	
B+	B plus	**PCM-B-PLS**	—	—	36/72	
B–	B minus	**PCM-B-MNS**	—	—	36/72	
NEG	Negative	**PCM-NEG**	—	—	25/50	
POS	Positive	**PCM-POS**	—	—	25/50	
+	Plus	**PCM-PLS**	**PPM-PLS**	—	36/72	
–	Minus	**PCM-MIN**	**PPM-MIN**	—	36/72	
±	Plus or Minus	**PCM-PLM**	—	—	36/72	
PHASE A	–	**PCM-APH**	—	—	18/36	
PHASE B	–	**PCM-BPH**	—	—	18/36	
PHASE C	–	**PCM-CPH**	—	—	18/36	
1-PHASE	Single Phase	**PCM-1PH**	—	—	18/36	
AC	Alternating Current	**PCM-AC**	**PPM-AC**	—	36/72	
BAT	Battery	**PCM-BAT**	—	—	25/50	
COM	Common	**PCM-COM**	—	—	25/50	
DC	Direct Current	**PCM-DC**	**PPM-DC**	—	36/72	
GRD	Ground	**PCM-GRD**	—	—	25/50	
GND	Ground	**PCM-GND**	**PPM-GND**	—	25/50	
HOT	Hot	**PCM-HOT**	—	—	25/50	
IGN	Ignition	**PCM-IGN**	—	—	25/50	
IN	In	**PCM-IN**	—	—	36/72	
LINE	Line	**PCM-LIN**	—	—	18/36	
LOAD	Load	**PCM-LOAD**	—	—	18/36	
NEUT	Neutral	**PCM-NEUT**	—	—	18/36	
OUT	Out	**PCM-OUT**	—	—	25/50	
SPARE	Spare	**PCM-SPR**	—	**PSM-SPARE**	18/36	
SS	—	**PCM-SS**	—	—	36/72	
~	Cycle Symbol	**PCM-CYS**	—	—	36/72	
⏚	Ground	**PCM-GRS**	—	—	36/72	
→	Horizontal Arrow	**PCM-HRA**	—	—	36/72	
↑	Vertical Arrow	**PCM-INDA**	—	—	36/72	

†Half length markers available for PCM and above. To order, substitute PCMH for PCM.

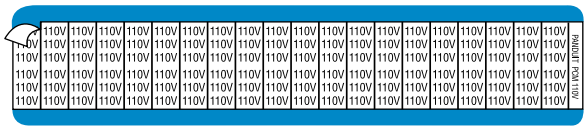
*Order number of cards required in multiples of Std. Pkg. Qty.

Cards available in less than Std. Pkg.; Contact your local Panduit Distributor for details.

Marker Cards (cont.)

Marker Type	Marker Length In. (mm)	For Max. Wire O.D.
Full	1.50 (38.1)	0.38 (9.5)
Half	0.75 (19.1)	0.19 (4.7)

Solid Voltage Symbols



Type PCM and PPM

Legend	Part Number GMC1 Vinyl Cloth	Part Number GMM1 Polyester	Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
6V	PCM-6V	—	36/72	25 Cards
12V	PCM-12V	—	25/50	
24V	PCM-24V	—	25/50	
110V	PCM-110V	—	20/40	
115V	PCM-115V	—	20/40	
120V	PCM-120V	—	20/40	
220V	PCM-220V	PPM-220V	20/40	
230V	PCM-230V	—	20/40	
240V	PCM-240V	—	20/40	
277V	PCM-277V	—	20/40	
460V	PCM-460V	—	20/40	
480V	PCM-480V	—	20/40	

*Order number of cards required in multiples of Std. Pkg. Qty.
†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

Number Combination Package - 1 Card Each Number

Legend	Part Number GMC1 Vinyl Cloth	Part Number GMM1 Polyester	Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
1 thru 25	PCMCP-1-25	PPMCP-1-25	36/72	1 Pkg. (25 cards per pkg.)
26 thru 50	PCMCP-26-50	PPMCP-26-50	36/72	
51 thru 75	PCMCP-51-75	PPMCP-51-75	36/72	
76 thru 100	PCMCP-76-100	PPMCP-76-100	36/72	
101 thru 125	PCMCP-101-125	PPMCP-101-125	25/50	
126 thru 150	PCMCP-126-150	PPMCP-126-150	25/50	
151 thru 175	PCMCP-151-175	PPMCP-151-175	25/50	
176 thru 200	PCMCP-176- 200	PPMCP-176- 200	25/50	
201 thru 225	PCMCP-201-225	PPMCP-201-225	25/50	
226 thru 250	PCMCP-226-250	PPMCP-226-250	25/50	
251 thru 275	PCMCP-251-275	PPMCP-251-275	25/50	
276 thru 300	PCMCP-276- 300	PPMCP-276- 300	25/50	
301 thru 325	PCMCP-301- 325	PPMCP-301- 325	25/50	
326 thru 350	PCMCP-326- 350	PPMCP-326- 350	25/50	
351 thru 375	PCMCP-351- 375	PPMCP-351- 375	25/50	
376 thru 400	PCMCP-376-400	PPMCP-376-400	25/50	
401 thru 425	PCMCP-401-425	—	25/50	
426 thru 450	PCMCP-426- 450	—	25/50	
451 thru 475	PCMCP-451- 475	—	25/50	
476 thru 500	PCMCP-476 - 500	—	25/50	
501 thru 525	PCMCP-501- 525	—	25/50	
526 thru 550	PCMCP-526- 550	—	25/50	
551 thru 575	PCMCP-551- 575	—	25/50	
576 thru 600	PCMCP-576 - 600	—	25/50	

†Half length markers available for PCMCP parts above. To order, substitute PCMHCP for PCMCP.
*Order number of packages required in multiples of Std. Pkg. Qty.

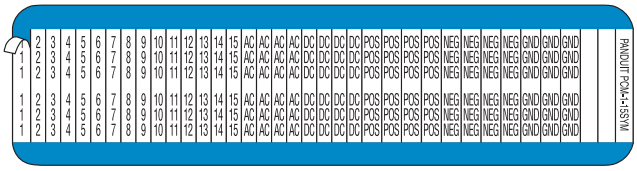
Letter Combination Package - 1 Card Each Letter

Legend	Part Number GMC1 Vinyl Cloth	Part Number GMM1 Polyester	Mkrs Per Card Full/Half	Std. Pkg. Qty.*
A thru Z (1 card each)	PCMCP-A-Z	PPMCP-A-Z	36/72	1 Pkg. (26 cards per pkg.)

†Half length markers available for PCMCP parts above. To order, substitute PCMHCP for PCMCP.
*Order number of packages required in multiples of Std. Pkg. Qty.

Marker Cards (cont.)

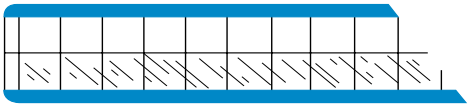
Consecutive Numbers and Electrical Symbols



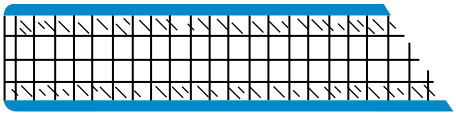
Legend	Part Number GMC1 Vinyl Cloth	Marker Size In. (mm)	For Max Wire O.D.	Mkrs Per Card Full/Half†	Std. Pkg. Qty.*
(1) ea. 1-15 (4) ea. AC, DC, POS. NEG. (3) ea. GND (2) ea. Blank	PCM-1-15SYM	Full 0.22 x 1.38 (5.6 x 34.9) Half 0.22 x 0.69 (5.6 x 17.4)	0.38 (9.5) 0.19 (4.7)	36/ 72	25 Cards

*Order number of cards required in multiples of Std. Pkg. Qty.
†Half length markers available for PCM parts above. To order, substitute PCMH for PCM.

Blank Write-on Markers
Material: GMV3 Self-Laminating Vinyl



Type PSWM



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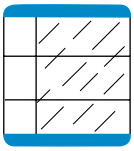
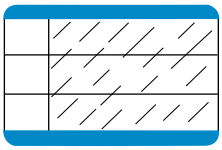


PSCC-3



PSCC-5

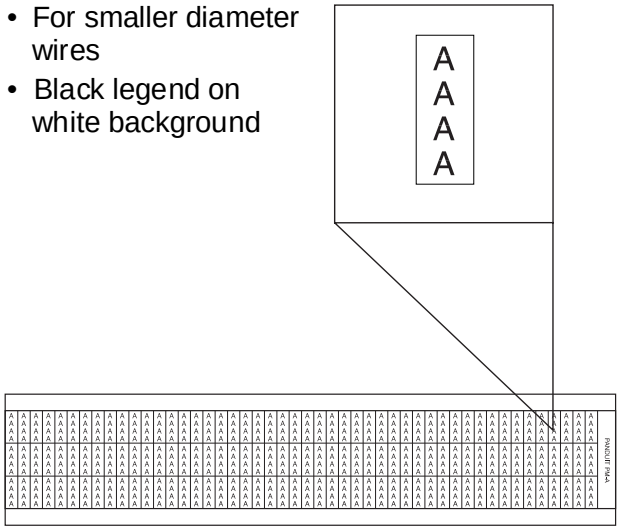
Max. Wire O.D. In. (mm)	Max. Flat Cable In. (mm)	Part Number	Write-On Area Width x Length In. (mm)	Marker Size Width x Length In. (mm)	Markers Per Card	Std. Pkg. Qty.*
0.25 (6.3)	—	PSWM-375	.0.38 x 0.75 (9.5 x 19.1)	0.38 x 1.50 (9.5 x 38.1)	25	25 Cards
		PSWM-750	0.75 x 0.75 (19.1 x 19.1)	0.75 x 1.50 (19.1 x 38.1)	12	
		PSWM-1500	1.50 x 0.75 (38.1 x 19.1)	1.50 x 1.50 (38.1 x 38.1)	6	
0.13 (3.2)	—	PSWMH-375	0.38 x 0.38 (9.5 x 9.5)	0.38 x 0.75 (9.5 x 19.1)	50	
		PSWMH-750	0.75 x 0.38 (19.1 x 9.5)	0.75 x 0.75 (19.1 x 19.1)	24	
		PSWMH-1500	1.50 x 0.38 (38.1 x 9.5)	1.50 x 0.75 (38.1 x 19.1)	12	
0.69 (17.5)	1.00 (25.4)	PSCC-3	1.00 x 0.75 (25.4 x 19.1)	1.00 x 3.00 (25.4 x 76.2)	3	
1.25 (31.8)	1.88 (47.6)	PSCC-5	1.00 x 1.00 (25.4 x 25.4)	1.00 x 5.00 (25.4 x 127.0)	3	

*Order number of cards required in multiples of Std. Pkg. Qty.

Miniature Markers

Material: GMT TEDLAR▲

- For smaller diameter wires
- Black legend on white background



Numbers

Legend	Part Number	Marker Size W X L In. (mm)	Max. Wire O.D. In. (mm)	Markers Per Card	Std. Pkg. Qty.*
0	PM-0	0.18 x 0.50 (4.6 x 12.7)	0.13 (3.2)	150	25 Cards
1	PM-1			150	
Thru	Thru				
25	PM-25			150	
0 Thru 49	PM-0-49			(3) ea.	
50 Thru 99	PM-50-99			(3) ea.	

Letters

Legend	Part Number	Marker Size W X L In. (mm)	Max. Wire O.D. In. (mm)	Markers Per Card	Std. Pkg. Qty.*
A Thru T	PM-A-Z	0.18 x 0.50 (4.6 x 12.7)	0.13 (3.2)	(6) ea.	25 Cards
U thru Z				(5) ea.	

*Order number of cards required in multiples of Std. Pkg. Qty.
▲TEDLAR is the registered trademark of E. I. DuPont Co.

Conductor Identification Labels

New

Material: GMY Polyester

- Identification of equipment terminals and terminations of certain designated conductors, ref. IEC 445:1988, DIN EN 60445, DIN 40009, DIN 40011, DIN 40012 and further developments
- Resistant to temperatures up to 275°F (135°C)

Style	Marker Diameter In. (mm)	Markers Per Card
A	0.49 (12.5)	20
B	0.63 (16.0)	20
C	0.79 (20.0)	10
D	0.98 (25.0)	10
E	1.24 (31.5)	10

Part Number					Identification of Conductor—Ends (ref. IEC445, DIN EN 60445)		Legend	Color (Legend/ Background)	Std. Pkg. Qty.*
Style A	Style B	Style C	Style D	Style E					
PESS-A-L1	PESS-B-L1	PESS-C-L1	PESS-D-L1	PESS-E-L1	Alternating Current	Outer conductor 1	L1	White/Black	10 cards
PESS-A-L2	PESS-B-L2	PESS-C-L2	PESS-D-L2	PESS-E-L2		Outer conductor 2	L2	White/Black	
PESS-A-L3	PESS-B-L3	PESS-C-L3	PESS-D-L3	PESS-E-L3		Outer conductor 3	L3	White/Black	
PESS-A-N	PESS-B-N	PESS-C-N	PESS-D-N	PESS-E-N		Neutral conductor	N	White/Blue	
PESS-A-L+	PESS-B-L+	PESS-C-L+	PESS-D-L+	PESS-E-L+	Direct Current	Positive	L+	White/Black	
PESS-A-L-	PESS-B-L-	PESS-C-L-	PESS-D-L-	PESS-E-L-		Negative	L-	White/Black	
PESS-A-M	PESS-B-M	PESS-C-M	PESS-D-M	PESS-E-M		Middle conductor	M	White/Blue	
PESS-A-PE	PESS-B-PE	PESS-C-PE	PESS-D-PE	PESS-E-PE	Protective conductor		PE	Black/Green and Yellow	
PESS-A-PU	PESS-B-PU	PESS-C-PU	PESS-D-PU	PESS-E-PU	Protective conductor no earth		PU		
PESS-A-PEN	PESS-B-PEN	PESS-C-PEN	PESS-D-PEN	PESS-E-PEN	Neutral conductor with protective-function (PEN conductor)		PEN		
PESS-A-E	PESS-B-E	PESS-C-E	PESS-D-E	PESS-E-E	Earth		E	White/Black	
PESS-A-TE	PESS-B-TE	PESS-C-TE	PESS-D-TE	PESS-E-TE	Parasitic current		TE		
PESS-A-MM	PESS-B-MM	PESS-C-MM	PESS-D-MM	PESS-E-MM	Ground		MM		
PESS-A-AQ	PESS-B-AQ	PESS-C-AQ	PESS-D-AQ	PESS-E-AQ	Equal Potential connection		CC		

Part Number					Machinery Materials Identification (ref. DIN 40011)	Legend	Color (Legend/ Background)	Std. Pkg. Qty.*
Style A	Style B	Style C	Style D	Style E				
PESS-A-PS	PESS-B-PS	PESS-C-PS	PESS-D-PS	PESS-E-PS	Direct current positive		Black/White	10 Cards
PESS-A-NS	PESS-B-NS	PESS-C-NS	PESS-D-NS	PESS-E-NS	Direct current negative			
PESS-A-SS	PESS-B-SS	PESS-C-SS	PESS-D-SS	PESS-E-SS	Safety function			
PESS-A-ES	PESS-B-ES	PESS-C-ES	PESS-D-ES	PESS-E-ES	Earth			
PESS-A-FS	PESS-B-FS	PESS-C-FS	PESS-D-FS	PESS-E-FS	Parasitic current			
PESS-A-SG	PESS-B-SG	PESS-C-SG	PESS-D-SG	PESS-E-SG	Ground			
PESS-A-SU	PESS-B-SU	PESS-C-SU	PESS-D-SU	PESS-E-SU	Protective isolation			
PESS-A-CE	PESS-B-CE	PESS-C-CE	PESS-D-CE	PESS-E-CE	Certified			

Part Number					Machinery Materials Identification (ref. DIN 40012)	Legend	Color (Legend/ Background)	Std. Pkg. Qty.*
Style A	Style B	Style C	Style D	Style E				
PESS-A-EX1	PESS-B-EX1	PESS-C-EX1	PESS-D-EX1	PESS-E-EX1	Explosion Protection		Black/White	10 Cards
PESS-A-EX2	PESS-B-EX2	PESS-C-EX2	PESS-D-EX2	PESS-E-EX2	Explosion Protection			
PESS-A-SCH	PESS-B-SCH	PESS-C-SCH	PESS-D-SCH	PESS-E-SCH	Firedamp Protection			

*Order number of cards required in multiples of Std. Pkg. Qty.

Marker Tape

Wire Marker Tape Dispenser
Material: GMM1 Polyester

EASY TO USE...
1. Open cover, pull out desired length of tape
2. Close cover and press firmly to cut tape

TO RELOAD TAPE...
1. Open cover, drop in tape

UNIQUE DESIGN DISPENSER...
- The tape is cut by depressing the cover and is not torn off by hand. This provides a clean cut-off, with no serrations and insures better adhesion.
- Holds 10 rolls of tape
- Legend is visible through cover window for fast selection
- Tough polypropylene construction, single piece design

Each Roll Features
Universal spool size makes tape usable in other dispenser systems.
The tape can be cut to any length so you only use what you actually need.
Tabbed end at the beginning of the roll for easier starting

Part Number	Legend	Roll Length	Rolls per Legend per Pkg.	Std. Pkg. Qty.*
DISPENSER				
PMD	(Empty Dispenser)	—	–	1
PMD-0-9	Dispenser filled, legend 0 thru 9	8 ft/ (2.4m)	1	1
PMD-NEMA	Dispenser filled, solid colors shown below			

*Order number of dispensers required in multiples of Std. Pkg. Qty.

TAPE				
PMDR-0-9 thru PMDR-90-99	0 thru 9 thru 90 thru 99	8 ft. (2.4m)	1	1 Pkg. (10 rolls)
PMDR-0 PMDR-1 thru PMDR-9	0 1 thru 9	8 ft. (2.4m)	10	10 Rolls
PMDR-A thru PMDR-Z	A thru Z	8 ft. (2.4m)	10	10 Rolls
PMDR-L1 PMDR-L2 PMDR-L3	L1 L2 L3	8 ft. (2.4m)	10	10 Rolls
PMDR-T1 PMDR-T2 PMDR-T3	T1 T2 T3	8 ft. (2.4m)	10	10 Rolls
PMDR-CYS PMDR-GRS PMDR-MIN PMDR-PLS	(Cycle Symbol) (Ground Symbol) (Minus Symbol) (Plus Symbol)	8 ft. (2.4m)	10	10 Rolls
PMDR-NEMA	One of each of the NEMA colors featured below	8 ft. (2.4m)	1	1 Pkg. (10 Rolls)
PMDR-BLK	(Black)	8 ft. (2.4m)	10	10 Rolls
PMDR-BL	(Light Blue)			
PMDR-BRN	(Brown)			
PMDR-GRY	(Gray)			
PMDR-GRN	(Light Green)			
PMDR-ORN	(Orange)			
PMDR-PUR	(Purple)			
PMDR-RED	(Red)			
PMDR-WHT	(White)			
PMDR-YEL	(Yellow)			
PMDR-YEL-GRN				

Legend Height: 1/8" (3.2mm)
*Order number of rolls required in multiples of Std. Pkg. Qty.

Self-Laminating Marker Dispenser
Material: GMV3 Self-Laminating Vinyl

- Dispenser made of tough polypropylene
- Rolls load easily into reusable dispenser
- Mark with Panduit Marking Pens found on page 137

Part Number	Description	Write-On Area Width x Length In. (mm)	Total Marker Width x Length In. (mm)	Markers Per Roll	Std. Pkg. Qty.*
DISPENSER KIT					
PLD-1	(1) Dispenser, (1) PLDR-1 Tape, (1) PFX-0 Pen	1.00 x 0.38 (25.4 x 9.5)	1.00 x 1.50 (25.4 x 38.1)	200	1 Kit
PLD-2	(1) Dispenser, (1) PLDR-2 Tape, (1) PFX-0 Pen	1.00 x 0.75 (25.4 x 19.1)	1.00 x 3.00 (25.4 x 76.2)	100	1 Kit
TAPE					
PLDR-1	For cable O.D. up to ¼" (6.3 mm); Flat cable up to ½" (12.7 mm) wide	1.00 x 0.38 (25.4 x 9.5)	1.00 x 1.50 (25.4 x 38.1)	200	1 Roll
PLDR-2	For cable O.D. up to $^{11}/_{16}$" (17.5 mm); Flat cable up to 1" (25.4 mm) wide	1.00 x 0.75 (25.4 x 19.1)	1.00 x 3.00 (25.4 x 76.2)	100	1 Roll

*Order number of kits or rolls required in multiples of Std. Pkg. Qty.
NOTE: Empty dispenser not sold separately

Slip-On Wire Markers

Material: GMV11 Vinyl Extrusion

- Fully encircle wires, ensuring permanent identification for wire marking applications
- Durable PVC material is impervious to most chemicals and solvents and can be used in most harsh environments
- Available with white or yellow background

Wire O.D. In. (mm)	0.05 - 0.12 (1.3 - 3.0)	0.10 - 0.20 (2.5 - 5.1)	0.16 - 0.39 (4.1 - 9.9)	0.32 - 0.63 (8.1 - 16.0)	0.55 - 0.98 (14.0 - 24.9)
AWG	22 - 16	16 - 10	10 - 4	6 - 00	0 - 350MCM

Standard Pack

Legend	Part Number†				
A	SM02W-A	SM1W-A	SM2W-A	SM3W-A	SM4W-A
B	SM02W-B	SM1W-B	SM2W-B	SM3W-B	SM4W-B
Thru	Thru	Thru	Thru	Thru	Thru
Z	SM02W-Z	SM1W-Z	SM2W-Z	SM3W-Z	SM4W-Z
A-J	SM02W-A-J	SM1W-A-J	SM2W-A-J	—	—
K-T	SM02W-K-T	SM1W-K-T	SM2W-K-T	—	—
U-Z, +, -, /, Blank	SM02W-U-Z	SM1W-U-Z	SM2W-U-Z	—	—
0	SM02W-0	SM1W-0	SM2W-0	SM3W-0	SM4W-0
1	SM02W-1	SM1W-1	SM2W-1	SM3W-1	SM4W-1
Thru	Thru	Thru	Thru	Thru	Thru
9	SM02W-9	SM1W-9	SM2W-9	SM3W-9	SM4W-9
0-9	SM02W-0-9	SM1W-0-9	SM2W-0-9	—	—
+	SM02W-PLS	SM1W-PLS	SM2W-PLS	SM3W-PLS	SM4W-PLS
–	SM02W-MNS	SM1W-MNS	SM2W-MNS	SM3W-MNS	SM4W-MNS
/	SM02W-SLH	SM1W-SLH	SM2W-SLH	SM3W-SLH	SM4W-SLH
(Ground Symbol)	SM02W-GND	SM1W-GND	SM2W-GND	SM3W-GND	SM4W-GND
Blank	SM02W-BLNK	SM1W-BLNK	SM2W-BLNK	SM3W-BLNK	SM4W-BLNK
Std. Pkg. Contents	10 strips of 25 markers	10 strips of 25 markers	10 strips of 25 markers	1 bag of 100 loose markers	1 bag of 20 loose markers
Std. Pkg. Qty.*	1 Pkg.	1 Pkg.	1 Pkg.	1 Pkg.	1 Pkg.

Bulk Pack

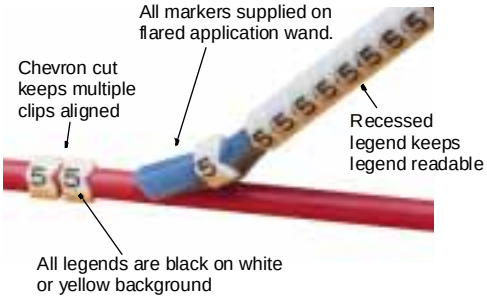
Legend	Part Number†				
A	SMB02W-A	SMB1W-A	SMB2W-A	SMB3W-A	SMB4W-A
B	SMB02W-B	SMB1W-B	SMB2W-B	SMB3W-B	SMB4W-B
Thru	Thru	Thru	Thru	Thru	Thru
Z	SMB02W-Z	SMB1W-Z	SMB2W-Z	SMB3W-Z	SMB4W-Z
0	SMB02W-0	SMB1W-0	SMB2W-0	SMB3W-0	SMB4W-0
1	SMB02W-1	SMB1W-1	SMB2W-1	SMB3W-1	SMB4W-1
Thru	Thru	Thru	Thru	Thru	Thru
9	SMB02W-9	SMB1W-9	SMB2W-9	SMB3W-9	SMB4W-9
+	SMB02W-PLS	SMB1W-PLS	SMB2W-PLS	SMB3W-PLS	SMB4W-PLS
–	SMB02W-MNS	SMB1W-MNS	SMB2W-MNS	SMB3W-MNS	SMB4W-MNS
/	SMB02W-SLH	SMB1W-SLH	SMB2W-SLH	SMB3W-SLH	SMB4W-SLH
(Ground Symbol)	SMB02W-GND	SMB1W-GND	SMB2W-GND	SMB3W-GND	SMB4W-GND
Blank	SMB02W-BLNK	SMB1W-BLNK	SMB2W-BLNK	SMB3W-BLNK	SMB4W-BLNK
Bulk Pkg. Contents	1 strip of 1000 markers	1 strip of 1000 markers	1 strip of 1000 markers	1 bag of 250 loose markers	5 bags of 20 loose markers
Bulk Pkg. Qty.*	1 Pkg.	1 Pkg.	1 Pkg.	1 Pkg.	1 Pkg.

*Order number of packages required in multiples of Std. Pkg. Qty.
†Part numbers shown have white background. To order yellow background replace "W" with "Y". For example, SM02Y-A has yellow background.

Clip-On Wire Markers

Clip-On Wire Markers
Material: GMACT Acetal

- Easy to install – markers snap on wire
- Can be removed and reused
- Exceed requirements of MIL-H-5606 and MIL-L-7808
- Available with white or yellow background



Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used wire and cable.

Wire O.D. In. (mm)	0.08 - 0.10 (2.0 - 2.5)	0.11 - 0.13 (2.8 - 3.3)	0.13 - 0.15 (3.3 - 3.8)	0.19 - 0.23 (4.8 - 5.8)	0.23 - 0.37 (5.8 - 9.4)	0.23 - 0.37 (5.8 - 9.4)	0.36 - 0.45 (9.1 - 11.4)	0.45 - 0.62 (11.4 - 15.7)

Legend	Part Number†							
A	PCA07-A	PCA11-A	PCA13-A	PCA18-A	PCA23-A	–	PCA36-A	PCA45-A
B	PCA07-B	PCA11-B	PCA13-B	PCA18-B	PCA23-B	–	PCA36-B	PCA45-B
Thru	Thru	Thru	Thru	Thru	Thru	–	Thru	Thru
Z	PCA07-Z	PCA11-Z	PCA13-Z	PCA18-Z	PCA23-Z	–	PCA36-Z	PCA45-Z
A-J	PCA07-A-J	PCA11-A-J	PCA13-A-J	PCA18-A-J	–	–	–	–
K-T	PCA07-K-T	PCA11-K-T	PCA13-K-T	PCA18-K-T	–	–	–	–
U-Z	PCA07-U-Z	PCA11-U-Z	PCA13-U-Z	PCA18-U-Z	–	–	–	–
A-D	–	–	–	–		PCA23-A-D	PCA36-A-D	PCA45-A-D
E-H	–	–	–	–		PCA23-E-H	PCA36-E-H	PCA45-E-H
I-L	–	–	–	–		PCA23-I-L	PCA36-I-L	PCA45-I-L
M-P	–	–	–	–		PCA23-M-P	PCA36-M-P	PCA45-M-P
Q-T	–	–	–	–		PCA23-Q-T	PCA36-Q-T	PCA45-Q-T
U-X	–	–	–	–		PCA23-U-X	PCA36-U-X	PCA45-U-X
Y-Z	–	–	–	–		PCA23-Y-Z	PCA36-Y-Z	PCA45-Y-Z
0	PCA07-0	PCA11-0	PCA13-0	PCA18-0	PCA23-0	–	PCA36-0	PCA45-0
1	PCA07-1	PCA11-1	PCA13-1	PCA18-1	PCA23-1	–	PCA36-1	PCA45-1
Thru	Thru	Thru	Thru	Thru	Thru	–	Thru	Thru
9	PCA07-9	PCA11-9	PCA13-9	PCA18-9	PCA23-9	–	PCA36-9	PCA45-9
0-9	PCA07-0-9	PCA11-0-9	PCA13-0-9	PCA18-0-9	–	–	–	–
0-3	–	–	–	–	–	PCA23-0-3	PCA36-0-3	PCA45-0-3
4-7	–	–	–	–	–	PCA23-4-7	PCA36-4-7	PCA45-4-7
8, 9, +, -	–	–	–	–	–	PCA23-8-9	PCA36-8-9	PCA45-8-9
+	PCA07-PLS	PCA11-PLS	PCA13-PLS	PCA18-PLS	PCA23-PLS		PCA36-PLS	PCA45-PLS
–	PCA07-MIN	PCA11-MIN	PCA13-MIN	PCA18-MIN	PCA23-MIN		PCA36-MIN	PCA45-MIN
	30 Clips per application wand = 300 Clips total/pkg.				20 Clips per wand = 60 clips total/pkg.	20 Clips per wand = 80 clips total/pkg.	15 Clips per wand = 60 clips total/pkg.	
	10 Wands/Pkg.				3 Wands/Pkg.	4 Wands/Pkg.	4 Wands/Pkg.	
	Std. Pkg. Qty.* = 1 pkg.							

*Order number of packages required in multiples of Std. Pkg. Qty.
†**Part numbers shown have white background. To order yellow background replace "PCA" with "PCAY". For example, PCAY07-A has yellow background.**

Cable Marking Products

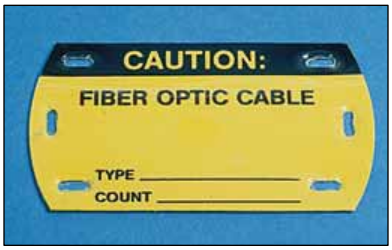
Selection of Styles

Self-Laminating Cable Marker Holders Page 152

Durable tag to mark large cables and cable bundles. Holders can be used with labels printed on any printer, or legend can be hand-written directly onto holder. Clear overlaminate protects legend.

Clear Heat Shrink Tubing Page 153

Clear heat shrink is applied over label to protect legends on wires and cables. Available for diameters from 0.19" - 2.00" (4.8 mm - 50.8 mm).



Fiber Optic Cable Marker Tags Page 154

Self-laminating tag for marking fiber optic cable in manhole and indoor environments. Clear overlaminate protects legend.

Ground Warning Tags Page 154

UV resistant tags provide ground clamp warning.

Fiber Optic Conduit Markers Page 155

Durable markers available in adhesive and snap-on styles.

Underground Hazard Tape Page 155

Used to warn of buried cable lines, these non-adhesive tapes will not biodegrade. Available in detectable aluminum foil laminate and polyethylene materials in a variety of legends, colors and sizes.

Self-Laminating Cable Marker Holders for Large Cables and Bundles

- Durable tag to mark a wide range of cables and cable bundles
- Can be used with printer generated labels or hand-written
- Attaches easily with Panduit intermediate or standard cross-section nylon cable ties or Panduit ***TAK-TY***™ Hook and Loop Cable Ties
- Ideal for use with Panduit hand-held printers, such as the LS3E, LS5 and LS5E
- Clear overlaminate protects legend
- Can be applied as a wrap-around marker (parallel to cable) or flag marker (45° or 90° to cable)
- Available in white, yellow, orange, gray and brown
- Large label area provides ample room for complex labeling schemes

Marker Holders

Part Number	Color	Size In. (mm)	Holders Per Pkg.	Std. Pkg. Qty.*
SLCT-WH	White	3.00 x 1.31 (76.2 x 33.3)	25	1 Pkg.
SLCT-YL	Yellow			
SLCT-OR	Orange			
SLCT-IG	Gray			
SLCT-BR	Brown			

*Order number of packages required in multiples of Std. Pkg. Qty.

Recommended Labels

Part Number	Printer Used	Size In. (mm)	Color	Std. Pkg. Qty.*
L3PL3WH	Panduit LS3E	2.00 x 1.00 (50.8 x 25.4)	White	1 Roll (100 Labels)
L3PL3CL			Clear	
LS5-33	Panduit LS5 / LS5E	1.00 x 40 ft. (25.4 x 12.2 m)	Black/White	1 Cartridge
LS5-30			Black/Clear	
PLL-17-Y2-1	Laser	1.88 x 0.83 (47.6 x 21.1)	White	1000 Labels
JL41PO-0.5	Ink Jet	2.00 x 0.90 (50.8 x 22.9)	White	500 Labels
PDL-301	Dot-Matrix	2.00 x 0.90 (50.8 x 22.9)	White	1000 Labels

* For LS3E Labels, order number of rolls required in multiples of Std. Pkg. Qty.
For LS5 Cartridges, order number of cartridges required in multiples of Std. Pkg. Qty.
For Laser, Ink Jet and Dot-Matrix Labels, order number of labels required in multiples of Std. Pkg. Qty.

Cable Ties

Part Number	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Std. Pkg. Qty.*
***PAN-TY*® Nylon Self-Locking Cable Ties**			
PLT1.5I-C	1.38 (35)	40 (178)	100
PLT2I-C	2.00 (51)		
PLT3I-C	3.00 (76)		
PLT4I-C	4.00 (102)		
PLT2S-C	1.88 (48)	50 (222)	100
PLT3S-C	3.00 (76)		
PLT4S-C	4.00 (102)		
PLT5S-C	5.00 (127)		
***TAK-TY*® Hook and Loop Cable Ties**			
HLT2I-X0†	1.90 (48)	40 (178)	10
HLT3I-X0†	3.20 (81)		
***TAK-TY*® Hook and Loop Continuous 15 Ft. Roll**			
HLM-15R0†	N/A	18 (80)	1 Roll

*Order number of ties required in multiples of Std. Pkg. Qty.
†***TAK-TY*** parts shown are black, contact factory for part number information on other colors

Create Custom Cable Markers Quickly and Easily — On-Site!

1. Print label with the LS3E Hand-Held Dot-Matrix Printer or print label on any other printer.
When a printer is not available, legend can also be written directly on marker holder.

2. Apply label to marker holder.

3. Remove liner on overlaminate flap to expose adhesive.

4. Fold down overlaminate flap to protect label.

5. Attach to cable bundle with Panduit cable ties.

Clear Heat Shrink Tubing for Protected Wire and Cable Marking

- Use with any label to provide protected legends for harsh environments
- Use with Panduit Heat Shrink Tools and Accessories shown on page 123

- Available in 3 package sizes
- Material: Clear 2:1 Polyolefin
- Temperature Range: -67°F to 275°F (-55°C to 135°C)
- Mil Spec: MIL-I 23053/5 Class 2
- Shrink Temperature: 248°F (120°C)

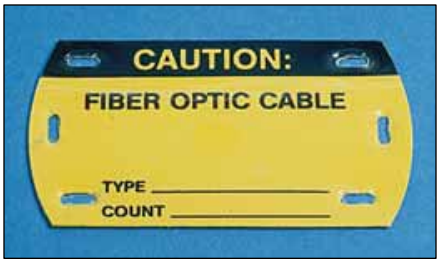
Heat Shrink Tubing					Suggested Labels			
Part Number	Nominal Cable O.D.▪ In. (mm)	Length	Pieces Per Pkg.	Std. Pkg. Qty.*	Printer Used	Panduit Label Part Number	Label Width x Length In. (mm)	Label Std. Pkg. Qty.*
HSTT38-YC	0.19 - 0.38 (4.8 - 9.5)	6" (152 mm)	12	1 Pkg.	Ink Jet Thermal Transfer Dot-Matrix	JL412PO-1 TTC4T-10 PDL-189	1.38 x 0.19 (34.9 x 4.8) 0.65 x 0.20 (16.5 x 5.1) 0.65 x 0.20 (16.5 x 5.1)	1000 Labels 10,000 Labels 5000 Labels
HSTT38-48-QC		4' (1.2 m) Piece	25	25 Pieces				
HSTT38-QC		25' (7.5 m) Reel	1	1 Reel				
HSTT50-YC	0.25 - 0.50 (6.4 - 12.7)	6" (152 mm)	10	1 Pkg.	LS3E Laser Ink Jet Thermal Transfer Dot-Matrix	LC-7 PLL-14-PO-5 JL412PO-1 TTC6T-10 PDL-190	1.00 x 0.28 (25.4 x 7.0) 1.50 x 0.25 (38.1 x 6.4) 1.38 x 0.19 (34.9 x 4.8) 0.90 x 0.25 (22.9 x 6.4) 0.75 x 0.25 (19.1 x 6.4)	1 Roll (500 Labels) 5000 Labels 1000 Labels 10,000 Labels 5000 Labels
HSTT50-48-5C		4' (1.2 m) Piece	5	5 Pieces				
HSTT50-QC		25' (7.5 m) Reel	1	1 Reel				
HSTT75-YC	0.38 - 0.75 (9.5 - 19.1)	6" (152 mm)	8	1 Pkg.	LS3E Laser Ink Jet Thermal Transfer Dot-Matrix	LC-9 PLL-8-PO-10 JL412PO-1 TTC6T-10 PDL-132	1.00 x 0.40 (25.4 x 10.2) 1.00 x 0.38 (25.4 x 9.5) 1.38 x 0.19 (34.9 x 4.8) 0.90 x 0.25 (22.9 x 6.4) 1.25 x 0.38 (31.8 x 9.5)	1 Roll (500 Labels) 10,000 Labels 1000 Labels 10,000 Labels 5000 Labels
HSTT75-48-5C		4' (1.2 m) Piece	5	5 Pieces				
HSTT75-QC		25' (7.5 m) Reel	1	1 Reel				
HSTT100-YC	0.50 - 1.00 (12.7 - 25.4)	6" (152 mm)	6	1 Pkg.	LS3E Laser Ink Jet Thermal Transfer Dot-Matrix	LC-10 PLL-8-PO-10 JL33PO-2.5 TTC8T-10 PDL-188	1.00 x 0.50 (25.4 x 12.7) 1.00 x 0.38 (25.4 x 9.5) 1.44 x 0.50 (36.5 x 12.7) 1.00 x 0.50 (25.4 x 12.7) 1.00 x 0.50 (25.4 x 12.7)	1 Roll (500 Labels) 10,000 Labels 2500 Labels 10,000 Labels 5000 Labels
HSTT100-48-5C		4' (1.2 m) Piece	5	5 Pieces				
HSTT100-CC		100' (30.5 m) Reel	1	1 Reel				
HSTT150-48-5C	0.75 - 1.50 (19.1 - 38.1)	4' (1.2 m) Piece	5	5 Pieces	LS3E Laser Ink Jet Thermal Transfer Dot-Matrix	LC-4 PLL-10-PO-5 JL33PO-2.5 TTC8T-10 PDL-188	1.00 x 0.75 (25.4 x 19.1) 1.00 x 0.75 (25.4 x 19.1) 1.44 x 0.50 (36.5 x 12.7) 1.00 x 0.50 (25.4 x 12.7) 1.00 x 0.50 (25.4 x 12.7)	1 Roll (500 Labels) 5000 Labels 2500 Labels 10,000 Labels 5000 Labels
HSTT150-CC		100' (30.5 m) Reel	1	1 Reel				
HSTT200-48-5C	1.00 - 2.00 (25.4 - 50.8)	4' (1.2 m) Piece	5	5 Pieces	LS3E Laser Ink Jet Thermal Transfer Dot-Matrix	LC-2 PLL-10-PO-5 JL33PO-2.5 TTC8T-10 PDL-188	1.00 x 1.00 (25.4 x 25.4) 1.00 x 0.75 (25.4 x 19.1) 1.44 x 0.50 (36.5 x 12.7) 1.00 x 0.50 (25.4 x 12.7) 1.00 x 0.50 (25.4 x 12.7)	1 Roll (250 Labels) 5000 Labels 2500 Labels 10,000 Labels 5000 Labels
HSTT200-LC		50' (15.2 m) Reel	1	1 Reel				

Heat Shrink Data Label Kits

- Fast and easy way to produce subsurface printed custom labels with any dot-matrix printer
- Each kit contains 1000 pre-cut clear heat shrink tubes, 1.50" (38.1 mm) long and 1000 dot-matrix labels listed

Part Number	Nominal Cable O.D.▪ In. (mm)	Labels Included	Label Size Width x Length In. (mm)	Std Pkg. Qty.*
HSDL9-12-94	0.06 - 0.13 (1.6 - 3.2)	PDL-94	0.90 x 0.25 (22.9 x 6.3)	1000 Kits
HSDL9-12-285		PDL-285	0.90 x 0.25 (22.9 x 6.3)	1000 Kits
HSDL9-25-94	0.13 - 0.25 (3.2 - 6.4)	PDL-94	0.90 x 0.25 (22.9 x 6.3)	1000 Kits
HSDL9-25-285		PDL-285	0.90 x 0.25 (22.9 x 6.3)	1000 Kits
HSDL9-37-31	0.18 - 0.35(4.4 - 8.9)	PDL-31	1.00 x 0.38 (25.4 x 9.5)	1000 Kits
HSDL9-50-31	0.25 - 0.50 (6.4 - 12.7)	PDL-31	1.00 x 0.38 (25.4 x 9.5)	1000 Kits
HSDL9-75-20	0.38 - 0.75 (9.5 - 19.1)	PDL-20	1.00 x 0.38 (25.4 x 9.5)	1000 Kits
HSDL9-100-293	0.50 - 1.00 (12.7 - 25.4)	PDL-293	1.00 x 0.38 (25.4 x 9.5)	1000 Kits

▪ Refer to Wire Size Selection Guide on page 196 to review diameters of commonly used cables
*Order number required in multiples of Std. Pkg. Qty.



(6) slots: 0.31" x 0.13" (7.9 x 3.2 mm)

Self-Laminating Fiber Optic Cable Marker Tags

- Durable tag for marking fiber optic cable in manhole and indoor environments
- Clear overlaminate protects legend
- Can be marked with Panduit Permanent Marker Pens (see pg. 137)
- Can be installed as a wrap or flag with Panduit Intermediate Cable Ties shown below

Part Number	Material	Size Width x Length In. (mm)	Legend / Background Color	Legend	Tags Per Pkg.	Std. Pkg. Qty.*
PST-FO†	GMV4 Self-Laminating Rigid Vinyl	3.50 x 2.00 (88.9 x 50.8)	Black/Yellow	CAUTION FIBER OPTIC CABLE TYPE_____ COUNT_____	5 Tags	1 Pkg.
PST-FOBLNK			Yellow	Blank		

†Also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese
*Order number of packages required in multiples of Std. Pkg. Qty.

(1) slot: 0.13" x 0.63" (3.2 x 15.9 mm)

Ground Warning Tags

- U.V. resistant legend is printed on both sides
- Install with Panduit Intermediate Cable Ties shown below
- PT-BLNK tag can be marked with Panduit Permanent Marker Pens (see pg. 137) for indoor use

Part Number	Material	Size Width x Length In. (mm)	Legend / Background Color	Legend	Tags Per Pkg.	Std. Pkg. Qty.*
PT-CGND†	GMPE3 Semi-Rigid Polyethylene	2.75 x 1.38 (69.9 x 34.9)	Black/Yellow	WARNING…CABLE TV CO. REPAIR SERVICE	100 Tags	1 Pkg.
PT-EGND†				WARNING…ELECTRICAL CO. REPAIR SERVICE		
PT-TGND†				WARNING…TELEPHONE CO. REPAIR SERVICE		
PT-GND†				WARNING, GROUND WIRE, DO NOT REMOVE		
PT-BLNK			—	(Blank)		

†Also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese
*Order number of packages required in multiples of Std. Pkg. Qty.

Intermediate Cross Section Cable Ties

- For use with Panduit Cable Markers
- Available in two styles
  - ***DOME-TOP*® *BARB-TY*®** Cable Ties have a metal barb
  - ***PAN-TY*®** Cable Ties are an all plastic, one-piece construction
- Sizes to accommodate up to 4.00" (101.5 mm) bundles
- Indoor and Outdoor materials available

Part Number	Max. Bundle Diameter In. (mm)	Length In. (mm)	Width In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Material†	Std. Pkg. Qty.*
DOME-TOP BARB-TY **Cable Ties**						
BT1.5I-C	1.50 (38.1)	6.1 (155)	0.14 (3.6)	40 (178)	Natural Nylon 6.6 (Indoor)	100
BT2I-C	2.00 (50.8)	8.0 (203)				
BT3I-C	3.00 (76.2)	11.1 (282)				
BT4I-C	4.00 (101.6)	14.3 (363)				
PAN-TY **Cable Ties**						
PLT1.5I-C	1.38 (34.9)	5.6 (142)	0.14 (3.6)	40 (178)	Natural Nylon 6.6 (Indoor)	100
PLT2I-C	2.00 (50.8)	8.0 (203)				
PLT2.5I-C	2.50 (63.5)	9.7 (246)				
PLT3I-C	3.00 (76.2)	11.4 (290)				
PLT4I-C	4.00 (101.6)	14.6 (371)				

*Order number of pieces required in multiples of Std. Pkg. Qty.
†Ties also available in Black Weather Resistant Nylon 6.6. To order, add "0" to part number, i.e. BT1.5I-C0.

Fiber Optic Conduit Markers

- Durable markers available in adhesive or snap-on styles

Style	Pipe / Conduit O.D. In. (mm)	Marker Size Width x Length In. (mm)	Markers Per Card	Std. Pkg. Qty.*
Adhesive Marker Cards				
A	3.00 (76.2) and Over	9.00 x 2.25 (228.6 x 57.2)	1	5 Cards
B	1.25 - 3.00 (31.8 - 76.2)	4.50 x 1.19 (114.3 x 28.6)	4	
C	1.25 (31.8) and Under	2.25 x 0.50 (57.1 x 12.7)	18	
Snap-On Markers (Non-Adhesive)				
M	2.25 - 6.00 (57.2 - 152.4)	14.00 x 23.00 (355.6 x 584.2)	1	1 Marker
R	0.75 - 2.25 (19.1 - 57.2)	8.00 x 8.00 (203.2 x 203.2)	1	

***** For Styles A, B and C, order number of cards required in multiples of Std. Pkg. Qty.; for Styles M and R, order number of markers required in multiples of Std. Pkg. Qty.

Part Numbers					Legend	Color (Legend/ Background)
Style A	Style B	Style C	Style M	Style R		
PCV-FOA†	**PCV-FOB†**	**PCV-FOC†**	**PCV-FOM**	**PCV-FOR**	Fiber Optic	Black/Orange
PCV-FOCA	**PCV-FOCB**	**PCV-FOCC**	**PCV-FOCM**	**PCV-FOCR**	Fiber Optic Cable	
PCV-FOSA	**PCV-FOSB**	**PCV-FOSC**	—	—	(Fiber Optic Symbol)	

†Also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese

Underground Hazard Tape

- Used to warn of buried cable lines
- Non-adhesive tape will not biodegrade
- Available in detectable aluminum foil laminate and polyethylene materials

Legend	Background Color	Detectable Tape Part Number			Polyethylene Tape Part Number		Std. Pkg. Qty.*
		2" x 1000 ft. (51 mm x 305 m)	3" x 1000 ft. (76 mm x 305 m)	6" x 1000 ft. (152 mm x 305 m)	3" x 2000 ft. (76 mm x 610 m)	6" x 1000 ft. (152 mm x 305 m)	
CAUTION CAUTION CAUTION CABLE T.V. LINE BURIED BELOW	Orange	**HTDU2O-TV**	**HTDU3O-TV**	**HTDU6O-TV**	—	**HTU6O-TV†**	1 Roll
	Green	—	—	—	**HTU3G-TV†**	**HTU6G-TV†**	
CAUTION CAUTION CAUTION ELECTRIC LINE BURIED BELOW	Red	**HTDU2R-E**	**HTDU3R-E**	**HTDU6R-E**	**HTU3R-E†**	**HTU6R-E†**	
	Yellow	—	—	—	**HTU3Y-E†**	**HTU6Y-E†**	
CAUTION CAUTION CAUTION TELEPHONE LINE BURIED BELOW	Orange	**HTDU2O-T**	**HTDU3O-T**	**HTDU6O-T**	**HTU3O-T†**	**HTU6O-T**	
	Green	—	—	—	**HTU3G-T†**	**HTU6G-T†**	
CAUTION CAUTION CAUTION BURIED FIBER OPTIC CABLE	Orange	**HTDU2O-FO**	**HTDU3O-FO**	**HTDU6O-FO**	**HTU3O-FO†**	**HTU6O-FO†**	

†Also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese
*Order number of rolls required in multiples of Std. Pkg. Qty.

Voltage and Fiber Optic Markers

Available in two styles:

Adhesive Marker Cards

- Durable GMV1 Indoor Vinyl Material
- Available in 3 sizes

Snap-On Markers (Non-Adhesive)

- Pre-coiled, sub-surface printed markers for indoor use
- Available in 2 sizes

Style	Type	Pipe / Conduit O.D. In. (mm)	Marker Size Width x Length In. (mm)	Markers Per Card	Std. Pkg. Qty.*
A	Adhesive Marker Cards	3.00 (76.2) and Over	9.00 x 2.25 (228.6 x 57.1)	1	5 Cards
B		1.25 - 3.00 (31.7 - 76.2)	4.50 x 1.13 (114.3 x 28.6)	4	
C		1.25 (31.7) and Under	2.25 x 0.50 (57.1 x 12.7)	18	
M	Snap-On Markers (Non-Adhesive)	2.25 - 6.00 (57.2 - 152.4)	14.00 x 23.00 (355.6 x 584.2)	1	1 Marker
R		0.75 - 2.25 (19.1 x 57.2)	8.00 x 8.00 (203.2 x 203.2)	1	

*For Styles A, B, and C, order number of cards required in multiples of Std. Pkg. Qty; for Styles M and R, order number of markers required in multiples of Std. Pkg. Qty.

Part Number†					Legend	Color (Legend/Bkrnd)
Style A	Style B	Style C	Style M	Style R		
PCV-VOLTSA	PCV-VOLTSB	PCV-VOLTSC	—	—	_____VOLTS	Black/Orange
PCV-110A	PCV-110B	PCV-110C	—	—	110 Volts	
PCV-115A	PCV-115B	PCV-115C	—	—	115 Volts	
PCV-120A	PCV-120B	PCV-120C	PCV-120M	PCV-120R	120 Volts	
PCV-208A	PCV-208B	PCV-208C	PCV-208M	PCV-208R	208 Volts	
PCV-220A	PCV-220B	PCV-220C	—	—	220 Volts	
PCV-230A	PCV-230B	PCV-230C	—	—	230 Volts	
PCV-240A	PCV-240B	PCV-240C	—	—	240 Volts	
PCV-250A	PCV-250B	PCV-250C	—	—	250 Volts	
PCV-277A	PCV-277B	PCV-277C	—	—	277 Volts	
PCV-380A	PCV-380B	PCV-380C	—	—	380 Volts	
PCV-415A	PCV-415B	PCV-415C	—	—	415 Volts	
PCV-440A	PCV-440B	PCV-440C	—	—	440 Volts	
PCV-460A	PCV-460B	PCV-460C	—	—	460 Volts	
PCV-480A	PCV-480B	PCV-480C	PCV-480M	PCV-480R	480 Volts	
PCV-550A	PCV-550B	PCV-550C	—	—	550 Volts	
PCV-600A	PCV-600B	PCV-600C	PCV-600M	PCV-600R	600 Volts	
PCV-2200A	PCV-2200B	—	—	—	2200 Volts	
PCV-2300A	PCV-2300B	PCV-2300C	—	—	2300 Volts	
PCV-2400A	PCV-2400B	PCV-2400C	—	—	2400 Volts	
PCV-4160A	PCV-4160B	PCV-4160C	PCV-4160M	—	4160 Volts	
PCV-4800A	PCV-4800B	—	—	—	4800 Volts	
PCV-5000A	PCV-5000B	—	—	—	5000 Volts	
PCV-6900A	PCV-6900B	—	—	—	6900 Volts	
PCV-7200A	PCV-7200B	—	—	—	7200 Volts	
PCV-12000A	PCV-12000B	PCV-12000C	—	—	12000 Volts	
PCV-12470A	PCV-12470B	PCV-12470C	—	—	12470 Volts	
PCV-13000A	PCV-13000B	—	—	—	13000 Volts	
PCV-13200A	PCV-13200B	PCV-13200C	—	—	13200 Volts	
PCV-13800A	PCV-13800B	PCV-13800C	—	—	13800 Volts	

†Most legends also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese

More legends shown on the following page.

Voltage and Fiber Optic Markers (cont.)

Part Number†					Legend	Color (Legend/Bkrnd)
Style A	Style B	Style C	Style M	Style R		
PCV-120/208A	PCV-120/208B	PCV-120/208C	PCV-120/208M	PCV-120/208R	120/208 Volts	Black/Orange
PCV-240/480A	PCV-240/480B	PCV-240/480C	—	—	240/480 Volts	Black/Orange
PCV-277/480A	PCV-277/480B	PCV-277/480C	—	—	277/480 Volts	Black/Orange
PCV-ACA	PCV-ACB	PCV-ACC	—	—	AC	Black/Orange
PCV-DCA	PCV-DCB	PCV-DCC	—	—	DC	Black/Orange
PCV-A/CA	PCV-A/CB	PCV-A/CC	—	—	Air Cond.	Black/Orange
PCV-BLANKA	PCV-BLANKB	PCV-BLANKC	—	—	Blank-No Legend	Black/Orange
PCV-CHTA	PCV-CHTB	PCV-CHTC	PCV-CHTM	PCV-CHTR	Caution-Heat Traced	Black/Orange
PCV-CNA	PCV-CNB	PCV-CNC	—	—	Circuit #	Black/Orange
PCV-CBA	PCV-CBB	PCV-CBC	—	—	Circuit Breaker	Black/Orange
PCV-EOOSA	PCV-EOOSB	PCV-EOOSC	—	—	Electric Out of Service	Black/Orange
PCV-ESA	PCV-ESB	PCV-ESC	—	—	Emergency Service	Black/Orange
PCV-EXLTSA	PCV-EXLTSB	PCV-EXLTSC	—	—	Exit Lights	Black/Orange
PCV-FAA	PCV-FAB	PCV-FAC	—	—	Fire Alarm	Black/Orange
PCV-FOA	PCV-FOB	PCV-FOC	PCV-FOM	PCV-FOR	Fiber Optic	Black/Orange
PCV-FOCA	PCV-FOCB	PCV-FOCC	PCV-FOCM	PCV-FOCR	Fiber Optic Cable	Black/Orange
PCV-FOSA	PCV-FOSB	PCV-FOSC	—	—	✷— (Fiber Optic Symbol)	Black/Orange
PCV-FBOXA	PCV-FBOXB	PCV-FBOXC	—	—	Fuse Box	Black/Orange
PCV-HTCRTA	PCV-HTCRTB	PCV-HTCRTC	—	—	Heating Circuit	Black/Orange
PCV-INSAA	PCV-INSAB	PCV-INSAC	—	—	Intrinsically Safe	Black/Orange
PCV-INTRA	PCV-INTRB	PCV-INTRC	—	—	Intrinsic Safety Wiring	Black/Orange
PCV-LTSA	PCV-LTSB	PCV-LTSC	—	—	Lights	Black/Orange
PCV-L/PA	PCV-L/PB	PCV-L/PC	—	—	Light & Power	Black/Orange
PCV-MAINA	PCV-MAINB	PCV-MAINC	—	—	Main	Black/Orange
PCV-OOA	PCV-OOB	PCV-OOC	—	—	On/Off	Black/Orange
PCV-PWRA	PCV-PWRB	PCV-PWRC	—	—	Power	Black/Orange
PCV-1PHA	PCV-1PHB	PCV-1PHC	—	—	Single Phase	Black/Orange
PCV-SPAREA	PCV-SPAREB	PCV-SPAREC	—	—	Spare	Black/Orange
PCV-TELEA	PCV-TELEB	PCV-TELEC	—	—	Telephone	Black/Orange
PCV-3PHA	PCV-3PHB	PCV-3PHC	—	—	Three Phase	Black/Orange

†Most legends also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese

Voltage and Ampere Markers

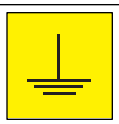
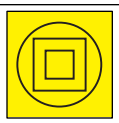
- Durable vinyl cloth markers
- Black legend on yellow background

Style	Marker Size Width x Length In. (mm)	Markers Per Card
A	8.98 x 2.24 (228.0 x 57.0)	1
B	4.49 x 1.02 (114.0 x 26.0)	4
C	2.24 x 0.51 (57.0 x 13.0)	18
D	1.12 x 0.51 (28.5 x 13.0)	36
F	0.75 x 0.35 (19.0 x 9.0)	48

Part Number					Legend	Color (Legend/Bkrnd)	Material	Std. Pkg. Qty.*
Style A	Style B	Style C	Style D	Style F				
PESC-A-5V	PESC-B-5V	PESC-C-5V	PESC-D-5V	—	5 Volt	Black/Yellow	GMC1 Vinyl Cloth	5 Cards
PESC-A-6V	PESC-B-6V	PESC-C-6V	PESC-D-6V	—	6 Volt			
PESC-A-12V	PESC-B-12V	PESC-C-12V	PESC-D-12V	—	12 Volt			
PESC-A-24V	PESC-B-24V	PESC-C-24V	PESC-D-24V	—	24 Volt			
PESC-A-48V	PESC-B-48V	PESC-C-48V	PESC-D-48V	—	48 Volt			
PESC-A-60V	PESC-B-60V	PESC-C-60V	PESC-D-60V	—	60 Volt			
PESC-A-110V	PESC-B-110V	PESC-C-110V	PESC-D-110V	—	110 Volt			
PESC-A-220V	PESC-B-220V	PESC-C-220V	PESC-D-220V	—	220 Volt			
PESC-A-230V	PESC-B-230V	PESC-C-230V	PESC-D-230V	—	230 Volt			
PESC-A-240V	PESC-B-240V	PESC-C-240V	PESC-D-240V	—	240 Volt			
PESC-A-380V	PESC-B-380V	PESC-C-380V	PESC-D-380V	—	380 Volt			
PESC-A-400V	PESC-B-400V	PESC-C-400V	PESC-D-400V	—	400 Volt			
PESC-A-440V	PESC-B-440V	PESC-C-440V	PESC-D-440V	—	440 Volt			
PESC-A-500V	PESC-B-500V	PESC-C-500V	PESC-D-500V	—	500 Volt			
PESC-A-600V	PESC-B-600V	PESC-C-600V	PESC-D-600V	—	600 Volt			
—	—	—	—	PESC-F-L1	L1			
—	—	—	—	PESC-F-L2	L2			
—	—	—	—	PESC-F-L3	L3			
—	—	—	—	PESC-F-N	N			
—	—	—	—	PESC-F-LPLS	L+			
—	—	—	—	PESC-F-LMIN	L-			
—	—	—	—	PESC-F-M	M			
—	—	—	—	PESC-F-AC	AC			
—	—	—	—	PESC-F-DC	DC			
—	—	—	—	PESC-F-ON	On			
—	—	—	—	PESC-F-OFF	Off			
—	—	—	—	PESC-F-VOLT	Volt			
—	—	—	—	PESC-F-2A	2A			
—	—	—	—	PESC-F-4A	4A			
—	—	—	—	PESC-F-6A	6A			
—	—	—	—	PESC-F-10A	10A			
—	—	—	—	PESC-F-16A	16A			
—	—	—	—	PESC-F-25A	25A			
—	—	—	—	PESC-F-35A	35A			
—	—	—	—	PESC-F-50A	50A			
—	—	—	—	PESC-F-63A	63A			
—	—	—	—	PESC-F-75A	75A			

*Order number of cards required in multiples of Std. Pkg. Qty.

Electrical Symbols

Part Number	Legend	Description	Marker Size Width x Length In. (mm)	Markers Per Card	Color (Legend/ Background)	Material	Std. Pkg. Qty.*
PESC-H-PE PESC-J-PE		Protective Conductor	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36	Black/Yellow	GMC1 Vinyl Cloth	10 Cards
PESC-H-PU PESC-J-PU		Protective Conductor No Earth	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-PEN PESC-J-PEN		Neutral Conductor with Protective-Function (PEN conductor)	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-N PESC-J-N		Neutral Conductor	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-EC PESC-J-EC		Safety Function	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-E PESC-J-E		Earth (Ground)	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-DT PESC-J-DT		Splash Proof Against Splashes from All Directions (per DIN 40050 Part 2)	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-AT PESC-J-AT		Warning of Dangerous Electrical Voltage	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-LT PESC-J-LT		Warning of Laser Beam	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-HT PESC-J-HT		Static Sensitive Device; Handling Precautions Required	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-BT PESC-J-BT		Warning of Battery Hazards	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			
PESC-H-SI PESC-J-SI		Protective Isolation	0.51 x 0.51 (13.0 x 13.0) 0.75 x 0.75 (19.0 x 19.0)	60 36			

*Order number of cards required in multiples of Std. Pkg. Qty.

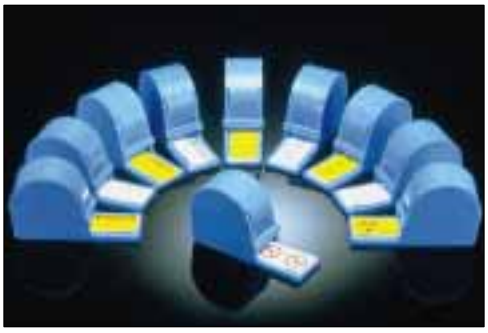
Warning Labels

- Pre-titled labels used for industrial and electrical applications on product, packages or facilities to warn or inform
- Eliminate hazardous situations and create safe work environments

Choose the legend and style that suits your informational needs:

Individual Labels in Packages and Roll Mounted Labels

- Available in paper and indoor/outdoor vinyl materials
- Choose from a wide variety of stock legends
- Sold by the package or roll



PLD Dispenser Labels

- Packaged in a dispenser for label protection and your convenience
- Made of durable indoor vinyl film
- Choose from a wide variety of stock legends
- Sold by the dispenser

Warning Label Material Selection Guide

Material Code	Material	Temperature Range	Description	Color	Outdoor	Hazardous Environment	UL Rec.	CSA
—	Litho Paper	-65°F to 200°F (-54°C to 93°C)	Economical paper labels for indoor and temporary marking	White	No	No	No	No
GMM	Laminated Polyester	-40°F to 275°F (-40°C to 135°C)	Laminated material protects legend from abrasion and chemicals	White	Yes	Yes	No	No
GMP1	Destructible Paper	-65°F to 200°F (-54°C to 93°C)	Label will destruct upon removal; for permanent and tamper resistant labeling applications	White	No	No	No	No
GMV	Vinyl	-0°F to 170°F (-18°C to 77°C)	High quality indoor vinyl film; resists oil, water and solvents	White	No	No	Yes	Yes
GMV1	Vinyl	-40°F to 176°F (-40°C to 80°C)	Long lasting, general purpose vinyl film for indoor and outdoor marking	White	Yes (2 yrs)	No	No	No
GMV1OL	Laminated Vinyl	-40°F to 225°F (-40°C to 107°C)	Laminated vinyl film for indoor/outdoor use; laminate protects legend from abrasion and chemicals	White, Yellow	Yes	Yes	No	No
GMV10	Destructible Vinyl	-65°F to 200°F (-54°C to 93°C)	Label will destruct upon removal; for permanent and tamper resistant labeling applications	White	Yes	No	No	No
GMY	Polyester	-40°F to 311°F (-40°C to 154°C)	Provides durability, high temperature resistance, and dimensional stability	White	Yes	Yes	Yes	Yes

Static Awareness Labels

WL1

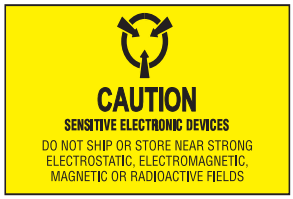
WL3

Rolls

Part Number	Material	Legend	Color (Legend/Background)	Label Size Width x Length In. (mm)	Labels per Roll	Std. Pkg. Qty.*
WL1	Litho Paper	Static Awareness Warning	Black/Yellow	2.00 x 2.00 (50.8 x 50.8)	500	1 Roll
WL3	Litho Paper	Static Awareness Warning	Black/Yellow	2.00 x 2.00 (50.8 x 50.8)	500	

*Order number of rolls required in multiples of Std. Pkg. Qty.

PLD-49



PLD-58
MIL STD. 129J

PLD-33

PLD-60
EIA STD. 471

PLD-59
MIL and EIA

PLD Dispenser

Part Number	Material	Legend	Color (Legend/Background)	Label Size Width x Length In. (mm)	Labels per Dispenser	Std. Pkg. Qty.*
PLD-49	GMM Polyester	Anti-Static	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-58	GMM Polyester	Static Awareness (MIL STD 129J)	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-60	GMM Polyester	Static Awareness (EIA STD 471)	Black/Yellow	3.00 x 1.00 (76.2 x 25.4)	100	1 Disp.
PLD-59	GMM Polyester	Static Awareness (MIL STD and EIA)	Black/Yellow	3.00 x 1.00 (76.2 x 25.4)	100	
PLD-33	GMM Polyester	Caution Static Eliminators	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	

*Order number of dispensers required in multiples of Std. Pkg. Qty.

Electrical Labels

WL25

WL32
ISO 3864

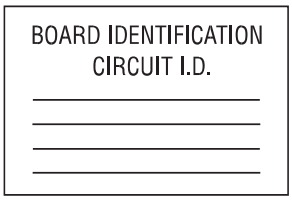
WL33
ISO 3864

Individual Labels in Packages

Part Number	Material	Legend	Color (Legend/Background)	Label Size Width x Length In. (mm)	Labels per Pkg.	Std. Pkg. Qty.*
WL25	GMY Polyester	Warning....Lift & Lock	Black/Yellow	3.50 x 1.50 (88.9 x 38.1)	50	
WL32	GMV1OL Vinyl	Caution Risk Of Electrical Shock Sym.	Black/Yellow	1.50 (38.1) Triangle	50	1 Pkg.
WL33	GMV1OL Vinyl	Caution Risk Of Electrical Shock Sym.	Black/Yellow	4.50 (114.3) Triangle	50	

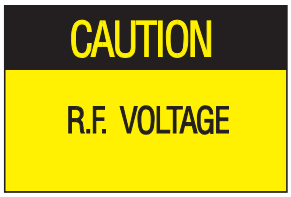
*Order number of packages required in multiples of Std. Pkg. Qty.

PLD-52
ISO 3864



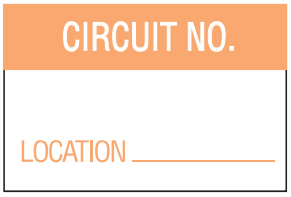
PLD-82
NEC 210-4(d)

PLD-36 Caution 120V
PLD-44 Caution 208V
PLD-37 Caution 220V
PLD-45 Caution 230V
PLD-38 Caution 240V
PLD-46 Caution 277V
PLD-47 Caution 277/480V
PLD-48 Caution 380V
PLD-39 Caution 440V
PLD-40 Caution 460V



PLD-32

PLD-76
NEC 110.22



PLD-12

PLD-43

PLD Dispensers

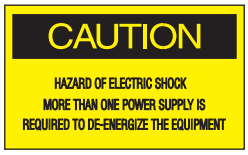
Part Number	Material	Legend	Color (Legend/Background)	Label Size Width x Length In. (mm)	Labels per Dispenser	Std. Pkg. Qty.*
PLD-52	GMM Polyester	Attention Symbol	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-82	GMM Polyester	Board Identification Circuit I.D.	Black/White	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-36	GMM Polyester	Caution 120V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-44	GMM Polyester	Caution 208V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-37	GMM Polyester	Caution 220V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-45	GMM Polyester	Caution 230V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-38	GMM Polyester	Caution 240V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-46	GMM Polyester	Caution 277V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-47	GMM Polyester	Caution 277/480V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	1 Disp.
PLD-48	GMM Polyester	Caution 380V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-39	GMM Polyester	Caution 440V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-40	GMM Polyester	Caution 460V	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-32	GMM Polyester	Caution R.F. Voltage	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-76	GMM Polyester	Caution Series Rated System	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-12	GMM Polyester	Circuit No.	Orange/White	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-43	GMM Polyester	Danger High Voltage	Red & Black/White	1.50 x 1.00 (38.1 x 25.4)	200	

*Order number of dispensers required in multiples of Std. Pkg. Qty.

Electrical Labels (cont.)

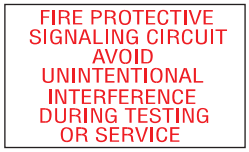
PLD-67
NEC 110-31

PLD-75
NEC 800



PLD-74

PLD-73
NEC 700.9A



PLD-79
NEC 760.4

PLD-70
NEC 210.8

PLD-57
ISO 3864

PLD-56
ISO 3864

PLD-80
NEC 504.80(b)

PLD-71
NEC 240.53

PLD-81
NEC 230.70(b)

PLD-69
NEC 210

PLD-54

PLD-53

PLD Dispensers (cont.))

Part Number	Material	Legend	Color (Legend/Background)	Label Size Width x Length In. (mm)	Labels per Dispenser	Std. Pkg. Qty.*
PLD-67	GMM Polyester	Danger High Voltage	Red/White	1.00 x 1.50 (25.4 x 38.1)	200	
PLD-75	GMM Polyester	Electrical Hazard	Red/White	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-74	GMM Polyester	Electrical Shock Caution	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-73	GMM Polyester	Emergency Systems	Red/White	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-79	GMM Polyester	Fire Protective Signaling	Red/White	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-70	GMM Polyester	Ground Fault Protected	Black/Clear	1.00 x 0.38 (25.4 x 9.5)	800	
PLD-57	GMM Polyester	N.E.C. Ground Symbol	Green/White	0.75 (19.1) Diameter	300	1 Disp.
PLD-56	GMM Polyester	International High Voltage Symbol	Black/Yellow	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-80	GMM Polyester	Intrinsically Safe Wiring	Light Blue/White	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-71	GMM Polyester	Warning For Continued Protection…Use Same Fuse	White/Black	2.00 x 1.00 (50.8 x 25.4)	150	
PLD-81	GMM Polyester	Service Disconnect	Black/White	1.50 x 1.00 (38.1 x 25.4)	200	
PLD-69	GMM Polyester	This Outlet Controlled By Wall Switch	Black/Clear	1.00 x 0.38 (25.4 x 9.5)	800	
FRENCH						
PLD-54	GMM Polyester	Danger Haute Tension	Red & Black/White	1.50 x 1.00 (38.1 x 25.4)	200	1 Disp.
SPANISH						
PLD-53	GMM Polyester	Peligro Alto Voltaje	Red & Black/White	1.50 x 1.00 (38.1 x 25.4)	200	1 Disp.

*Order number of dispensers required in multiples of Std. Pkg. Qty.

Hot Surface Warning Labels

WL35

WL36

Individual Labels in Packages

Part Number	Material	Legend	Color (Legend/Background)	Label Size Width x Length In. (mm)	Labels per Pkg	Std. Pkg. Qty.*
WL35	GMV1OL Vinyl	Caution Hot Surface Warning Symbol	Black/Yellow	2.00 (50.8) Triangle	50	1 Pkg
WL36	GMV1OL Vinyl	Warning Hot Surface Warning Symbol	Black/Yellow	2.00 (50.8) Triangle	50	1 Pkg

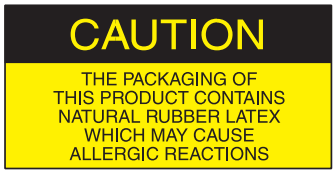
*Order number of packages required in multiples of Std. Pkg. Qty.

Packaging / Shipping Labels

New

PLD-83

PLD-84



PLD-85

PLD-86

PLD Dispensers

Part Number	Material	Legend	Color (Legend/Background)	Label Size Width x Length In. (mm)	Labels per Dispenser	Std. Pkg. Qty.*
PLD-83	GMM Polyester	Product Contains Natural Rubber	Black/Yellow	2.00 x 1.00 (50.8 x 25.4)	150	1 Disp.
PLD-84	GMM Polyester	Product Contains Dry Natural Rubber	Black/Yellow	2.00 x 1.00 (50.8 x 25.4)	150	
PLD-85	GMM Polyester	Packaging Contains Natural Rubber	Black/Yellow	2.00 x 1.00 (50.8 x 25.4)	150	
PLD-86	GMM Polyester	Packaging Contains Dry Natural Rubber	Black/Yellow	2.00 x 1.00 (50.8 x 25.4)	150	

*Order number of dispensers required in multiples of Std. Pkg. Qty.

ISO Labels — Warning Symbols

- The International Organization for Standardization (ISO) has established a system to communicate safety information without the use of words. This is accepted in most countries worldwide. Colors and shapes recognizable worldwide are prescribed.

  ISO symbology for "Caution" or "Risk of Danger" is a triangle (using black and yellow as its primary colors) to denote "WARNING." The 11 symbols below are those generally accepted as usable without supplementary signs to explain the essence of the message.
- Ref. ISO 3864 (DIN 40008, DIN 4844)

Part Number	Legend	Description	Triangular Length In. (mm)	Markers Per Card	Material	Std. Pkg. Qty.*
PESW-A-1 PESW-B-1 PESW-C-1 PESW-D-1 PESW-E-1		Warning of dangerous electrical voltage	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1	GMV1OL Laminated Vinyl	10 Cards
PESW-A-2 PESW-B-2 PESW-C-2 PESW-D-2 PESW-E-2		Warning of flammable materials	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-3 PESW-B-3 PESW-C-3 PESW-D-3 PESW-E-3		Warning of explosive materials	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-4 PESW-B-4 PESW-C-4 PESW-D-4 PESW-E-4		Warning of toxic materials	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-5 PESW-B-5 PESW-C-5 PESW-D-5 PESW-E-5		Warning of acids	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-6 PESW-B-6 PESW-C-6 PESW-D-6 PESW-E-6		Warning of radio-active materials or ionizing rays	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-7 PESW-B-7 PESW-C-7 PESW-D-7 PESW-E-7		Warning of battery hazards	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-8 PESW-B-8 PESW-C-8 PESW-D-8 PESW-E-8		Warning of laser-beam	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-9 PESW-B-9 PESW-C-9 PESW-D-9 PESW-E-9		Warning of hazardous area	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-10 PESW-B-10 PESW-C-10 PESW-D-10 PESW-E-10		Warning of explosive atmosphere	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		
PESW-A-11 PESW-B-11 PESW-C-11 PESW-D-11 PESW-E-11		Warning of static sensitive device	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	10 10 10 3 1		

*Order number of cards required in multiples of Std. Pkg. Qty.

ISO Labels — Prohibition Signs

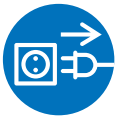
- The circle denotes a prohibition or mandatory action. The following symbols in red, white and black prohibit certain behavior.
- Ref. ISO 3864 (DIN 40008, DIN 4844)

Part Number	Symbol	Description	Marker Diameter In. (mm)	Markers Per Card	Material	Std. Pkg. Qty.*
PESV-C-1 PESV-D-1 PESV-E-1		Do not throw switch	1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	5 1 1	GMV1OL Laminated Vinyl	10 Cards
PESV-C-2 PESV-D-2 PESV-E-2		Do not touch	1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	5 1 1		
PESV-C-3 PESV-D-3 PESV-E-3		No smoking	1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	5 1 1		
PESV-C-4 PESV-D-4 PESV-E-4		No fires or open flames	1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	5 1 1		
PESV-C-5 PESV-D-5 PESV-E-5		Pedestrians prohibited	1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	5 1 1		
PESV-C-6 PESV-D-6 PESV-E-6		No admittance	1.97 (50.0) 3.94 (100.0) 7.87 (200.0)	5 1 1		

*Order number of cards required in multiples of Std. Pkg. Qty.

ISO Labels — Mandatory Labels

- The below symbol denotes a mandatory action without the use of words. The most common mandatory action in the Electrical Industry is to insure the electrical supply is switched off.
- Ref. ISO3864 (DIN 40008 and Further Developments)

Part Number	Symbol	Description	Marker Diameter In. (mm)	Markers Per Card	Material	Std. Pkg. Qty.*
PESG-A-1 PESG-B-1 PESG-C-1 PESG-D-1		Switch off electrical supply before working on equipment	0.49 (12.5) 0.98 (25.0) 1.97 (50.0) 3.94 (100.0)	10 10 5 1	GMV1OL Laminated Vinyl	10 Cards

*Order number of cards required in multiples of Std. Pkg. Qty.

Quality / Inspection / Production Control Labels and Tags

Calibration Labels

- Easy write-on surface
- Available in card, book and roll format
- Self-laminating markers available to provide legend protection

Quality Assurance Labels and Tags

- Easy write-on surface
- Available in card and dispenser format
- Wide variety of legends and sizes
- Fluorescent material available for high visibility

Inspection Labels and Tags

- Offered in a variety of legends for recording inspections, services of eye wash stations, fire extinguishers and machinery
- Dated inspection plates and DIN 40010 symbol signs available
- Inspection arrows and marker dots in a variety of colors

Production Control Tags

- For organizing inventory, quality control, OEM and maintenance applications
- Economical card stock tags for indoor or temporary use
- Also available in fluorescent card stock material for high visibility

Material Selection Guide

Material Code	Material Type	Temperature Range	Key Features	Color	Outdoor Rated	Hazardous Environment	UL Rec	CSA
GMC1	Vinyl Cloth	-40°F to 180°F (-40°C to 82°C)	General purpose wire marker material; resists oil and abrasion; can be removed and reused	White Yellow	No	No	No	No
GMP1	Destructible Paper	-65°F to 200°F (-54°C to 93°C)	Litho paper with destructible adhesive for permanent applications	White	No	No	No	No
GMM	Laminated Polyester	-40°F to 275°F (-40°C to 135°C)	Laminated material protects legend from abrasion and chemicals	White	Yes	Yes	No	No
GMV	Vinyl Film	0°F to170°F (-18°C to 77°C)	Indoor vinyl film with write-on surface	White Yellow	No	No	Yes	Yes
GMV1	Vinyl Film	-40°F to176°F (-40°C to 80°C)	General purpose indoor/outdoor vinyl film	White	Yes (2 years)	No	No	No
GMV5	Semi-Rigid Vinyl	-40°F to150°F (-40°C to 66°C)	Non-adhesive vinyl tag stock with easy write-on surface	White Yellow	Yes (2 years)	No	No	No
GMV10	Destructible Vinyl	-65°F to200°F (-54°C to 93°C)	Vinyl film with destructible adhesive for permanent application; breaks into pieces upon removal	White	Yes	No	No	No
GMY	Polyester	-40°F to 311°F (-40°C to 154°C)	Provides durability, high temperature resistance, and dimensional stability	White	Yes	Yes	Yes	Yes

Calibration Labels

New

- Mounted on cards for easy application and control of unused labels
- Easy write-on surface
- Durable indoor vinyl material resists oil and solvents and has permanent acrylic adhesive
- Ideal for small tools, gauges, etc.

Part Number	Material	Marker Size Width x Length In. (mm)	Markers Per Card	Std. Pkg. Qty.*
QL-*	GMV1 Vinyl	2.00 x 0.50 (50.8 x 12.7)	18	25 Cards

*Order number of cards required in multiples of Std. Pkg. Qty.

ACCEPTED / ACEPTADO
BY / POR _____ DATE / FECHA _____
QL-17

CALIBRATE BEFORE EACH USE
QL-8

CALIBRATE DAILY
QL-6

CALIBRATE MONTHLY
QL-3

CALIBRATE WEEKLY
QL-9

CALIBRATION / CALIBRACION
BY/POR _____ DATE/FECHA _____
DUE/VENUE _____ ID#/NO. ID. _____
QL-19RED†

CALIBRATION NOT REQUIRED
QL-4

CALIBRATION NOT REQUIRED
NO REQUIRE CALIBRACION
QL-18

DEFECTIVE DO NOT USE
QL-13

DO NOT REMOVE FROM QC AREA
QL-11

INACTIVE
BY _____ DATE _____
QL-16

INVENTORY	
NO	DATE
COUNT	BY

QL-2

NOT IN CALIBRATION SYSTEM
QL-7

OUT OF CALIBRATION DO NOT USE
QL-10

OUT OF CALIBRATION DO NOT USE
SIN CALIBRAR NO USAR
QL-20

PREVENTIVE MAINTENANCE
BY _____ DATE _____
NEXT MAINT. DATE _____
QL-15RED†

STANDARDIZE BEFORE EACH USE
QL-5

TOOL NO.	
	DEPT.

QL-12RED†

VERIFICATION
BY _____ DATE _____
DUE _____ I.D.# _____
QL-14RED†

†Other background colors available. To order, replace 'RED" with "YEL" for yellow, "ORNG" for orange, "GRN" for green, "LTBLU" for light blue and "LTGRN" for light green.

Self-Laminating Calibration Labels

New

- Work well on small instruments
- Durable indoor vinyl material, with clear overlaminate provides easy write-on surface and protects the legend
- Permanent acrylic adhesive
- Choose from a variety of colors for multiple department or personnel identification

Marker Cards

Part Number	Legend	Write-On Area Color (Legend/ Background)	Write-On Area Size W X L In. (mm)	Total Marker Size W X L In. (mm)	Markers Per Card	Material	Std. Pkg. Qty.*
QL-21WHT	CAL ID# _____ BY_____ DATE_____ DUE_____	Black/White	2.25 x 0.38 (57.1 x 9.5)	5.25 x 0.38 (133.4 x 9.5)	25	GMV3 Self-Lam Vinyl	10 Cards
QL-21YEL		Black/Yellow					
QL-21RED		Black/Red					
QL-21ORNG		Black/Orange					
QL-21GRN		Black/Green					
QL-21LTBLU		Black/Light Blue					
QL-21LTGRN		Black/Light Green					

*Order number of cards required in multiples of Std. Pkg. Qty.

Marker Books

Part Number	Legend	Write-On Area Color (Legend/ Background)	Write-On Area Size W X L In. (mm)	Total Marker Size W X L In. (mm)	Markers Per Page	Pages Per Book	Material	Std. Pkg. Qty.*
PSCB-3CAL	CALIBRATED NO: BY: DATE: DUE:	Green/White	1.00 x 0.75 (25.4 x 19.1)	1.00 x 3.00 (25.4 x 76.2)	6	10	GMV3 Self-Lam Vinyl	1 Book
PSCB-6CAL		Green/White	1.00 x 1.00 (25.4 x 25.4)	1.00 x 6.00 (25.4 x 152.4)	3			

*Order number of books required in multiples of Std. Pkg. Qty.

Calibration Dots

New

- Ideal for small instruments used in hard to reach areas
- Durable indoor vinyl material provides easy write-on surface
- Permanent acrylic adhesive
- Used for quality control

Part Number	Legend	Color (Legend/Background)	Marker Diameter In. (mm)	Labels Per Roll	Material	Std. Pkg. Qty.*
QL-1WHT	CAL ID# _____ DATE _____ DUE _____ BY_____	Black/White	0.75 (19.1)	500	GMV1 Vinyl	1 Roll
QL-1YEL		Black/Yellow				
QL-1RED		Black/Red				
QL-1ORNG		Black/Orange				
QL-1GRN		Black/Green				
QL-1LTBLU		Black/Light Blue				
QL-1LTGRN		Black/Light Green				

*Order number of rolls required in multiples of Std. Pkg. Qty.

Write-On Labels on Cards

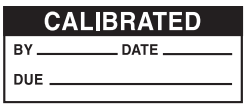
- For quality control, OEM, maintenance and field service applications
- Available in two sizes
- Mark with ball point pen or Panduit Marking Pens (see pg. 137)

Part Number	Material	Marker Size Width x Length In. (mm)	Markers Per Card	Std. Pkg. Qty.*
PCWL-*	GMC1 Vinyl Cloth	1.50 x 0.63 (38.1 x 15.9)	14	25 Cards
PCWLL-*	GMC1 Vinyl Cloth	2.25 x 1.00 (57.2 x 25.4)	9	25 Cards

*Order number of cards required in multiples of Std. Pkg. Qty.

PCWL-ACC
PCWLL-ACC

PCWL-BN



PCWL-CALD
PCWLL-CALD

PCWL-CAL
PCWLL-CAL

PCWL-VCAL

PCWL-ICAL

PCWL-CALN
PCWLL-CALN

PCWL-CAU

PCWL-CER
PCWLL-CER

PCWL-DI

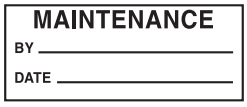
PCWL-DNU
PCWLL-DNU

PCWL-DFI

PCWL-HLD

PCWL-HFI

PCWL-INS
PCWLL-INS



PCWL-MAIN
PCWLL-MAIN

PCWL-QA
PCWLL-QA

PCWL-REJ
PCWLL-REJ

PCWL-RTV

PCWL-RW

Part Number	Color
PCWLL-BL	White
PCWLL-BLB	Blue
PCWLL-BLG	Green
PCWLL-BLO	Orange
PCWLL-BLR	Red
PCWLL-BLY	Yellow

Part Number	Month	Color
PCWL-CAL-JAN	JAN	Orange
PCWL-CAL-FEB	FEB	Black
PCWL-CAL-MAR	MAR	Light Blue
PCWL-CAL-APR	APR	Pink
PCWL-CAL-MAY	MAY	Gold
PCWL-CAL-JUN	JUN	Yellow
PCWL-CAL-JUL	JUL	Light Green
PCWL-CAL-AUG	AUG	Red
PCWL-CAL-SEP	SEP	Dark Blue
PCWL-CAL-OCT	OCT	Tan
PCWL-CAL-NOV	NOV	Dark Green
PCWL-CAL-DEC	DEC	Gray

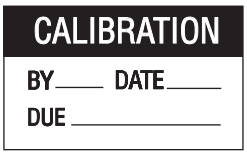
Write-on Quality Labels in Dispenser

- Packaged in a dispenser for label protection and your convenience
- Made of durable laminated polyester film
- Other legends available — Static Awareness (see page 162) and Electrical (see page 163)

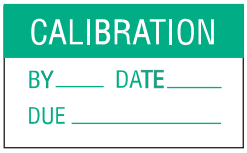
Part Number	Material	Marker Size Width x Length In. (mm)	Markers Per Dispenser	Std. Pkg, Qty,*
PLD-*	GMM Laminated Polyester	1.50 x 1.00 (38.1 x 25.4)	200	1 Disp.

*Order number of dispensers required in multiples of Std. Pkg. qty.

PLD-4



PLD-22



PLD-3

PLD-30

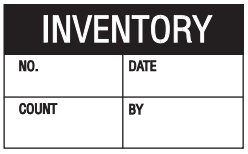
PLD-31

PLD-11

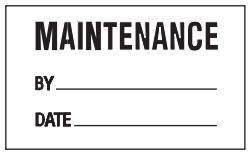
PLD-42

PLD-5

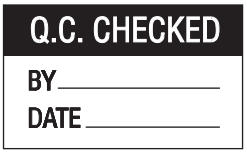
PLD-21



PLD-26

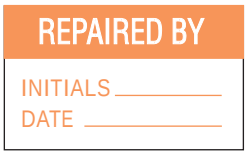


PLD-29

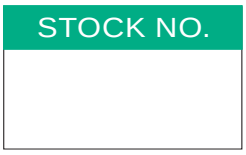


PLD-55

PLD-8

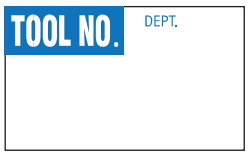


PLD-16



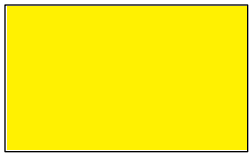
PLD-6

PLD-7



PLD-20

PLD-17


PLD-18

Fluorescent Paper Write-On Quality Labels

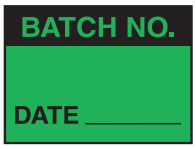
New

- Bright colors draw immediate attention and make sure important information is noticed
- Write-on surface can be marked with pencil, pen, or Panduit Permanent Marker Pens (see pg. 137)

Part Number	Material	Marker Size Width x Length In. (mm)	Markers Per Sheet	Std. Pkg. Qty.*
QLF-*	GMP1 Paper	2.00 x 1.50 (50.8 x 38.1)	28	500

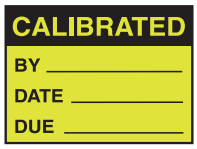
*Order number of markers required in multiples of Std. Pkg. Qty.

QLF-ACC

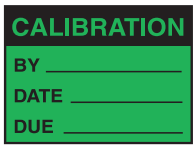


QLF-BATCH

QLF-BIN



QLF-CALD



QLF-CALN

QLF-CNR

QLF-CAU

QLF-CERT

QLF-CHK

QLF-DATE

QLF-DNU

QLF-DUE

QLF-HBC

QLF-HOLD

QLF-INS

QLF-INV

QLF-MAIN

QLF-PACK

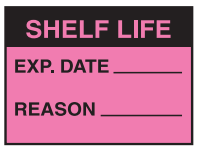
QLF-QA

QLF-RE

QLF-REJ

QLF-REP

QLF-SER



QLF-SHELF

QLF-STOCK

QLF-TEST

QLF-BLANK

Quality Control Action Tags

New

Attach tag to indicate action to be taken

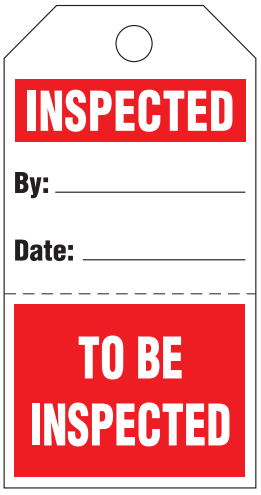
Sign tag and tear at perforation once the status has changed

- Unique labels and tags identify the “before and after” of eight common workplace actions
- Ideal for documents, machinery, small parts, bins and more
- Tags feature a perforation so user can tear off the lower portion of the tag once the status has been changed
- Economical card stock tags for indoor or temporary use
- Package consists of 25 tags and 25 Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)

Part Number	Size W X L In. (mm)	Tags Per Pkg.	Std. Pkg. Qty.*
PCT-***-Q	5.75 x 3.00 (146.1 x 76.2)	25	1 Pkg.

*Order number of packages required in multiples of Std. Pkg. Qty.

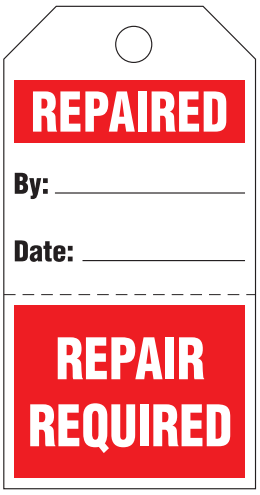
PCT-211-Q



PCT-205-Q

PCT-208-Q

PCT-204-Q

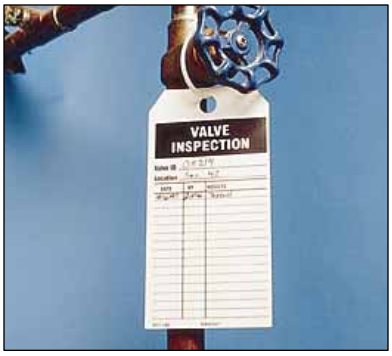


PCT-207-Q

PCT-206-Q

Inspection Labels and Tags

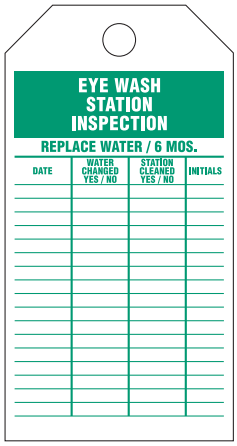
New



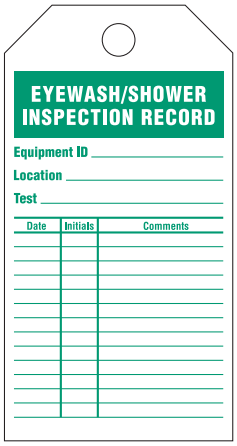
- Ideal for recording inspections, services of eye wash stations, fire extinguishers and machinery
- Tags are made of economical card stock material for indoor use and are supplied with Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)
- Labels are made of self-adhesive paper for easy application

Part Number	Type	Material	Size Width x Length In. (mm)	Qty. Per Package	Std. Pkg. Qty.*
PCT-***-Q	Tag	GMV5 Rigid Plastic	3.00 x 5.75 (76.2 x 146.05)	25	1 Pkg.
PES-**-Q	Label	Paper	3.00 x 5.00 (76.2 x 127.0)	25	1 Pkg.

*Order number of packages required in multiples of Std. Pkg. Qty.

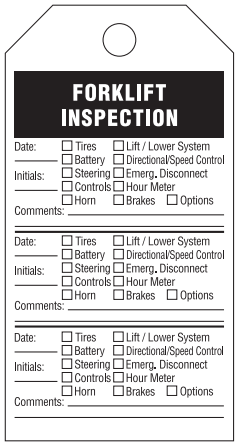


PCT-126-Q
PES-L1-Q

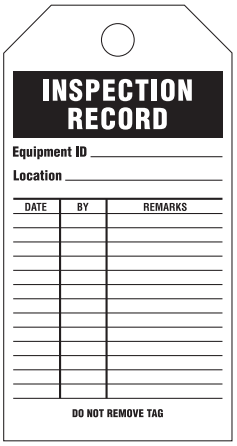


PCT-141-Q

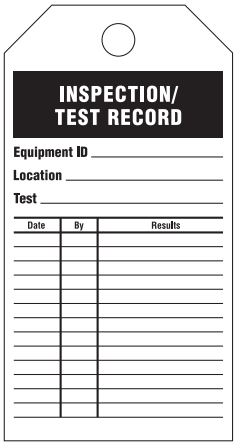
PCT-127-Q
PES-L7-Q



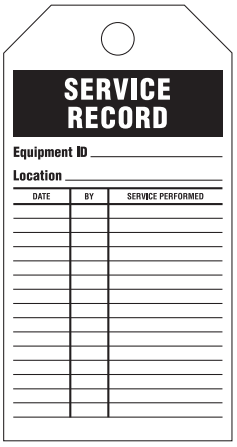
PCT-144-Q
PES-L5-Q



PCT-128-Q
PES-L2-Q

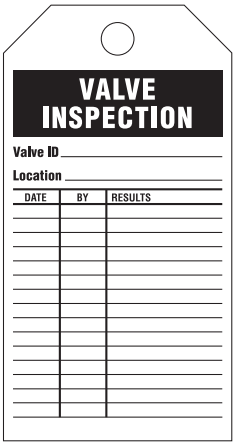


PCT-216-Q
PES-L3-Q



PCT-143-Q
PES-L6-Q

PCT-217-Q
PES-L4-Q

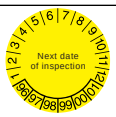


PCT-142-Q

Inspection Plates

New

- The ideal system for fast recognition of inspection intervals and maintenance dates for safety testing
- Label is destroyed upon removal
- Available for different years and in 7 languages where text is included

Part Number	Legend	Year	Color (Legend/Background)	Marker Diameter In. (mm)	Markers Per Card	Material	Std. Pkg. Qty.*
PEIP-A-00 PEIP-A-01 PEIP-A-02 PEIP-A-03 PEIP-A-04		00 01 02 03 04	White/Violet White/Green White/Blue White/Red White/Brown	0.59 (15.0)	10	GMV10 Destructible Vinyl	10 Cards
PEIP-A-BL PEIP-A-BR PEIP-A-GR PEIP-A-OR PEIP-A-VI PEIP-A-YL		—	White/Blue White/Brown White/Green White/Orange White/Violet White/Yellow	0.59 (15.0)	10		
PEIP-C-03† PEIP-C-04†		98 thru 03 99 thru 04	Black/Yellow	1.18 (30.0)	5		
PEIP-C-03-2† PEIP-C-04-2†		98 thru 03 99 thru 04	Black/Yellow	1.18 (30.0)	5		
PEIP-D-00 PEIP-D-01 PEIP-D-02 PEIP-D-03 PEIP-D-04		00 01 02 03 04	White/Violet White/Green White/Blue White/Red White/Brown	1.38 (35.0)	5		

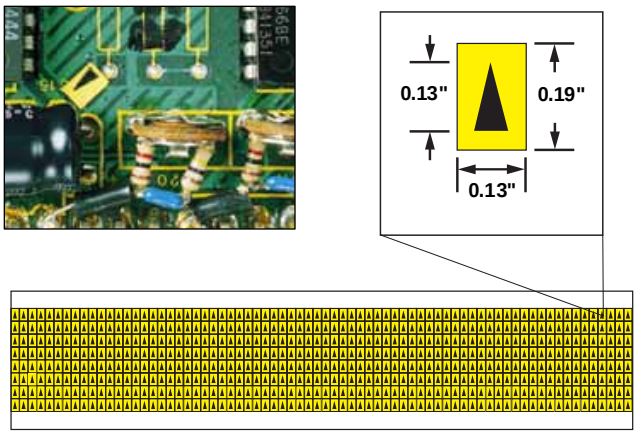
*Order number of cards required in multiples of Std. Pkg. Qty.
†Also available in German, French, Italian, Dutch, Spanish, and Portuguese. Contact factory for part numbers.

Inspection Signs

- Ref. DIN 40010

Part Number	Legend	Description	Color (Legend/Background)	Marker Height In. (mm)	Markers Per Card	Material	Std. Pkg. Qty.*
PESS-A-VDE1 PESS-B-VDE1 PESS-C-VDE1 PESS-D-VDE1 PESS-E-VDE1		VDE-Sign	Black/White	0.49 (12.5) 0.63 (16.0) 0.79 (20.0) 0.98 (25.0) 1.24 (31.5)	20 20 10 10 10	Polyester	10 Cards
PESS-A-VDE2 PESS-B-VDE2 PESS-C-VDE2 PESS-D-VDE2 PESS-E-VDE2		VDE-Spark Protection Sign	Black/White	0.49 (12.5) 0.63 (16.0) 0.79 (20.0) 0.98 (25.0) 1.24 (31.5)	20 20 10 10 10		
PESS-A-VDE3 PESS-B-VDE3 PESS-C-VDE3 PESS-D-VDE3 PESS-E-VDE3		VDE-Electronic certificate	Black/White	0.49 (12.5) 0.63 (16.0) 0.79 (20.0) 0.98 (25.0) 1.24 (31.5)	20 20 10 10 10		
PESS-A-CECC PESS-B-CECC PESS-C-CECC PESS-D-CECC PESS-E-CECC		CEE certificate	Black/White	0.49 (12.5) 0.63 (16.0) 0.79 (20.0) 0.98 (25.0) 1.24 (31.5)	20 20 10 10 10		
PESS-A-GS1 PESS-B-GS1 PESS-C-GS1 PESS-D-GS1 PESS-E-GS1		VDE-GS-Symbol	Black/White	0.49 (12.5) 0.63 (16.0) 0.79 (20.0) 0.98 (25.0) 1.24 (31.5)	20 20 10 10 10		
PESS-A-GS2 PESS-B-GS2 PESS-C-GS2 PESS-D-GS2 PESS-E-GS2		VDE-GS-Symbol	Black/White	0.49 (12.5) 0.63 (16.0) 0.79 (20.0) 0.98 (25.0) 1.24 (31.5)	20 20 10 10 10		

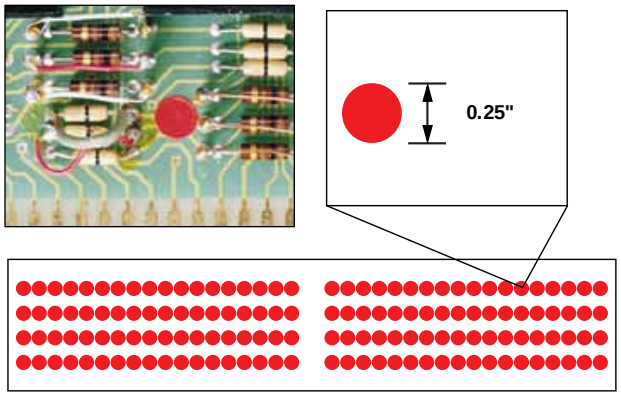
*Order number of cards required in multiples of Std. Pkg. Qty.



Inspection Arrows

Part Number	Color (Legend/ Background)	Marker Size W X L In. (mm)	Material	Markers Per Card	Std. Pkg. Qty.*
PARW125-RED	Black/Red	0.13 x 0.19 (3.2 x 4.7)	GMC1 Vinyl Cloth	576	25 Cards
PARW125-YEL	Black/Yellow				
PARW125-WHT	Black/White				

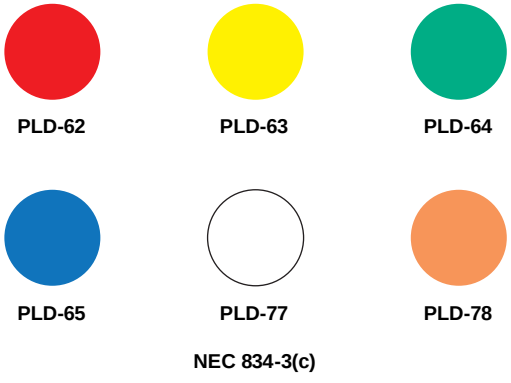
*Order number of cards required in multiples of Std. Pkg. Qty.



Marker Dots on Cards

Part Number	NEMA Color	Marker Diameter In. (mm)	Material	Markers Per Card	Std. Pkg. Qty.*
PDOT25-BLK	Black	0.25 (6.4)	GMV1 Vinyl	144	25 Cards
PDOT25-BLU	Blue				
PDOT25-DGN	Dark Green				
PDOT25-GRY	Gray				
PDOT25-LGN	Light Green				
PDOT25-ORN	Orange				
PDOT25-RED	Red				
PDOT25-WHT	White				
PDOT25-YEL	Yellow				

*Order number of cards required in multiples of Std. Pkg. Qty.



NEC 834-3(c)

Marker Dots in Dispenser

- Packaged in a dispenser for label protection and your convenience
- Made of durable laminated polyester film

Part Number	Material	Marker Diameter In. (mm)	Markers Per Dispenser	Std. Pkg, Qty,*
PLD-*	GMM Laminated Polyester	0.75 (19.1)	300	1 Disp.

*Order number of dispensers required in multiples of Std. Pkg. qty.

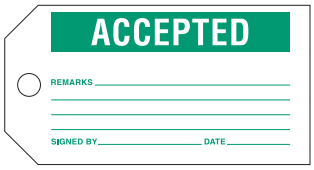
Production Control Tags

New

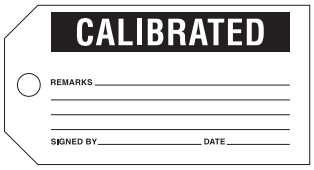
- For organizing inventory, quality control, OEM, and maintenance applications
- Economical card stock tags for indoor or temporary use
- Package consists of 25 tags and 25 Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)

Part Number	Size W X L In. (mm)	Tags Per Pkg.	Std. Pkg. Qty.*
PCT-***-Q	5.75 x 3.00(146.1 x 76.2)	25	1 Pkg.

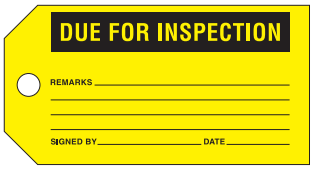
*Order number of packages required in multiples of Std. Pkg. Qty.



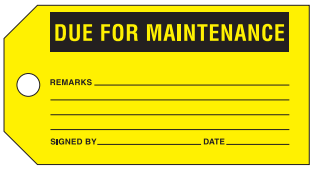
PCT-183-Q



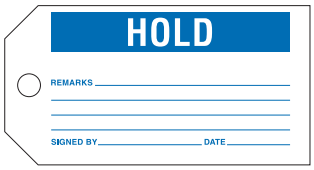
PCT-184-Q



PCT-185-Q



PCT-186-Q

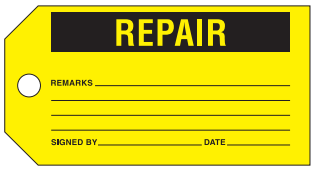


PCT-187-Q

PCT-188-Q

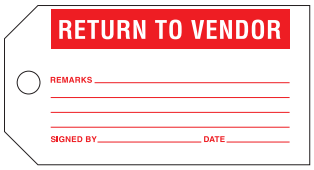
PCT-189-Q

PCT-190-Q

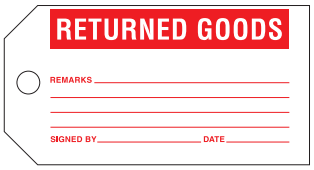


PCT-191-Q

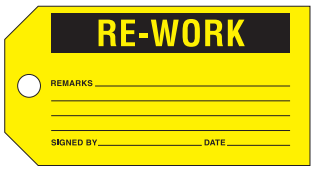
PCT-192-Q



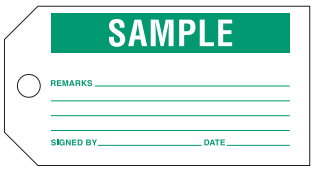
PCT-193-Q



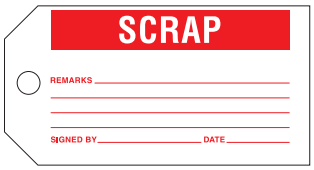
PCT-83-Q



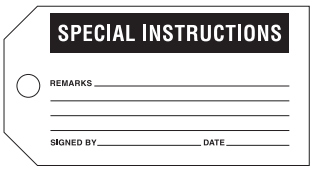
PCT-194-Q



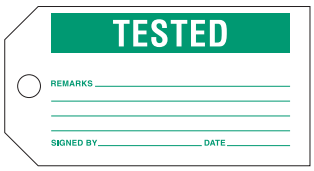
PCT-195-Q



PCT-196-Q



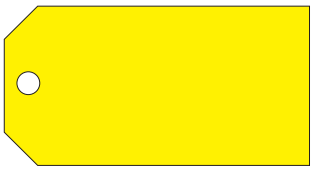
PCT-197-Q



PCT-75-Q

PCT-91-Q

PCT-94-Q


PCT-95-Q

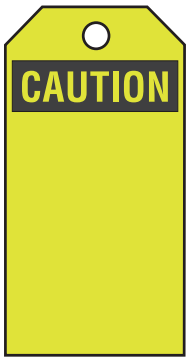
Fluorescent Tags

New

- Eye-catching colors draw immediate attention
- Communicate a variety of information quickly and effectively
- Economical card stock tags for indoor or temporary use
- Package consists of 25 tags and 25 Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)

Part Number	Size W X L In. (mm)	Tags Per Pkg.	Std. Pkg. Qty.*
PCT-***-Q	5.75 x 3.00(146.1 x 76.2)	25	1 Pkg.

*Order number of packages required in multiples of Std. Pkg. Qty.



PCT-174F-Q

PCT-172F-Q

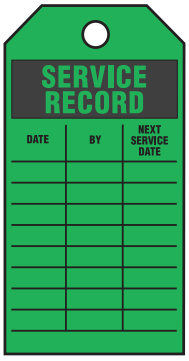
PCT-173F-Q

PCT-175F-Q

PCT-170F-Q

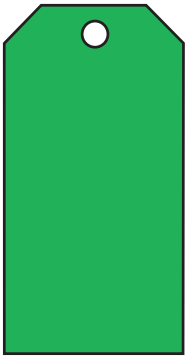
PCT-169F-Q

PCT-171F-Q

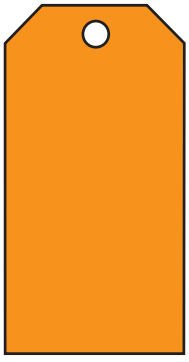


PCT-168F-Q

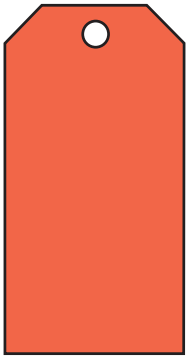
PCT-178F-Q



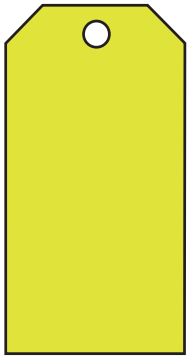
PCT-182F-Q



PCT-180F-Q



PCT-179F-Q



PCT-95F-Q

Blank Labels by Size

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Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
0.20 x 0.65 (5.1 x 16.5)	Polyester	White	IJ	JL32Y-10	55
0.20 x 0.65 (5.1 x 16.5)	Vinyl Cloth	White	IJ	JL32C-10	55
0.25 x 0.25 (6.4 x 6.4)	Polyester	White	L	PLL-30-Y2-10	75
0.25 x 0.25 (6.4 x 6.4)	Polyester	White	TT	TTC1Y-10	42
0.25 x 0.65 (6.4 x 16.5)	Polyester	White	IJ	JL4Y-10	55
0.25 x 0.75 (6.4 x 19.1)	Polyester	White	IJ	JL274Y-10	55
0.25 x 0.80 (6.4 x 20.3)	Polyester	White	IJ	JL5Y-10	55
0.25 x 0.90 (6.4 x 22.9)	Polyester	White	IJ	JL287Y-10	55
0.25 x 1.00 (6.4 x 25.4)	Destructible Paper	White	IJ	JL7P-10	55
0.25 x 1.00 (6.4 x 25.4)	Polyester	White	IJ	JL7Y-10	55
0.25 x 1.00 (6.4 x 25.4)	Polyolefin	White	IJ	JL7PO-10	55
0.25 x 1.44 (6.4 x 36.6)	Polyester	White	DM	PDL-177	112
0.25 x 1.44 (6.4 x 36.6)	TEDLAR▲	White	DM	PDL-179	112
0.25 x 1.44 (6.4 x 36.6)	Vinyl	White	DM	PDL-178	112
0.25 x 1.44 (6.4 x 36.6)	Vinyl Cloth	White	DM	PDL-176	112
0.25 x 1.50 (6.4 x 38.1)	Polyester	White	IJ	JL14Y-10	55
0.25 x 1.50 (6.4 x 38.1)	Polyolefin	White	IJ	JL14PO-10	55
0.25 x 1.50 (6.4 x 38.1)	Vinyl Cloth	White	IJ	JL14C-10	55
0.25 x 1.88 (6.4 x 47.6)	Polyester	White	IJ	JL15Y-10	55
0.28 x 0.25 (7.11 x 6.4)	Vinyl Cloth	White	DM	PDL-347	112
0.30 x 0.20 (7.6 x 5.1)	TEDLAR	White	DM	PDL-7966-10	112
0.30 x 0.25 (7.6 x 6.4)	Polyester	White	L	PLL-1-Y2-10	75
0.30 x 0.25 (7.6 x 6.4)	Polyester	Yellow	L	PLL-1-Y2Y-10	75
0.30 x 0.30 (7.6 x 7.6)	Polyester	White	DM	PDL-253	112
0.30 x 0.30 (7.6 x 7.6)	Polyester	White	DM	PDL-253-10	112
0.30 x 0.30 (7.6 x 7.6)	Polyimide	Amber	DM	PDL-252	112
0.30 x 0.30 (7.6 x 7.6)	Polyimide	Amber	DM	PDL-252-10	112
0.30 x 0.75 (7.6 x 19.1)	TEDLAR	White	DM	PDL-256	112
0.30 x 0.75 (7.6 x 19.1)	Vinyl Cloth	White	DM	PDL-254	112
0.30 x 0.94 (7.6 x 23.8)	TEDLAR	White	DM	PDL-259	112
0.30 x 0.94 (7.6 x 23.8)	Vinyl Cloth	White	DM	PDL-257	112
0.30 x 2.90 (7.6 x 73.7)	Polyolefin	White	IJ	JLEFPD-1	55
0.31 x 0.38 (7.87 x 9.5)	Vinyl Cloth	White	DM	PDL-351	112
0.31 x 0.50 (7.87 x 12.7)	Vinyl Cloth	White	DM	PDL-353	112
0.31 x 700 (7.87 x 17780)	Vinyl Cloth	White	DM	PDL-349	112
0.35 x 0.59 (9.0 x 15.0)	Polyester	Yellow	L	PEL-25-Y2Y-10	76
0.38 x 0.38 (9.5 x 9.5)	Destructible Vinyl	White	DM	PDL-263	112
0.38 x 0.38 (9.5 x 9.5)	Polyester	White	DM	PDL-264	112
0.38 x 0.38 (9.5 x 9.5)	Polyester	White	DM	PDL-264-10	112
0.38 x 0.38 (9.5 x 9.5)	Polyester	White	IJ	JL2Y-10	55
0.38 x 0.38 (9.5 x 9.5)	Polyester	White	L	PLL-2-Y2-10	72
0.38 x 0.38 (9.5 x 9.5)	Polyester	White	TT	TTC2Y-10	42
0.38 x 0.38 (9.5 x 9.5)	Polyester	Yellow	L	PLL-2-Y2Y-10	72
0.38 x 0.38 (9.5 x 9.5)	Polyimide	Amber	DM	PDL-262	112
0.38 x 0.38 (9.5 x 9.5)	Polyimide	Amber	DM	PDL-262-10	112
0.38 x 0.38 (9.5 x 9.5)	Vinyl Cloth	White	DM	PDL-260	112
0.38 x 1.00 (9.5 x 25.4)	Destructible Paper	White	IJ	JL8P-10	55
0.38 x 1.00 (9.5 x 25.4)	Polyester	White	IJ	JL8Y-10	55
0.38 x 1.00 (9.5 x 25.4)	Polyolefin	White	IJ	JL8PO-10	55
0.38 x 1.00 (9.5 x 25.4)	Vinyl Cloth	White	IJ	JL8C-10	55
0.38 x 1.44 (9.5 x 36.6)	Polyester	White	DM	PDL-181	112
0.38 x 1.44 (9.5 x 36.6)	TEDLAR	White	DM	PDL-183	112
0.38 x 1.44 (9.5 x 36.6)	Vinyl	White	DM	PDL-182	112
0.38 x 1.44 (9.5 x 36.6)	Vinyl Cloth	White	DM	PDL-180	112
0.38 x 1.88 (9.5 x 47.6)	Polyolefin	White	IJ	JL16PO-2.5	55
0.38 x 1.88 (9.5 x 47.6)	Polyester	White	IJ	JL16Y-5	55
0.38 x 2.00 (9.5 x 50.8)	Polyester	White	IJ	JL111Y-5	55
0.38 x 2.00 (9.5 x 50.8)	Vinyl Cloth	White	IJ	JL111C-5	55
0.38 x 3.00 (9.5 x 76.2)	Polyolefin	White	IJ	JL19PO-1	55
0.38 x 3.00 (9.5 x 76.2)	Polyester	White	IJ	JL19Y-2.5	55
0.38 x 700 (9.5 x 17780)	Vinyl Cloth	White	DM	PDL-355	112
0.43 x 0.75 (11.0 x 19.1)	Polyester	Yellow	L	PEL-26-Y2Y-5	76
0.43 x 1.50 (11.0 x 38.1)	Polyester	Yellow	L	PEL-27-Y2Y-5	76
0.44 x 2.56 (11.1 x 65.0)	Polyester	White	DM	PDL-101	112
0.44 x 2.56 (11.1 x 65.0)	TEDLAR	White	DM	PDL-100	112
0.44 x 2.56 (11.1 x 65.0)	Vinyl	White	DM	PDL-103	112
0.44 x 2.56 (11.1 x 65.0)	Vinyl Cloth	White	DM	PDL-102	112
0.44 x 3.63 (11.1 x 92.1)	Polyester	White	DM	PDL-105	113
0.44 x 3.63 (11.1 x 92.1)	TEDLAR	White	DM	PDL-104	113
0.44 x 3.63 (11.1 x 92.1)	Vinyl	White	DM	PDL-107	113
0.44 x 3.63 (11.1 x 92.1)	Vinyl Cloth	White	DM	PDL-106	113
0.44 x 3.63 (11.1 x 92.1)	Vinyl Cloth	White	DM	PDL-106-1	113
0.44 x 3.63 (11.1 x 92.1)	Vinyl Cloth	White	DM	PDL-106-10	113
0.50 x 0.44 (12.7 x 11.1)	Destructible Vinyl	White	DM	PDL-46	113
0.50 x 0.44 (12.7 x 11.1)	Polyester	Silver	DM	PDL-48	113
0.50 x 0.44 (12.7 x 11.1)	Polyester	Silver	DM	PDL-48-1	113
0.50 x 0.44 (12.7 x 11.1)	Polyester	Silver	DM	PDL-48-10	113
0.50 x 0.44 (12.7 x 11.1)	Polyester	Silver	TT	TTC3YS-10	42
0.50 x 0.44 (12.7 x 11.1)	Polyester	White	DM	PDL-47	113
0.50 x 0.44 (12.7 x 11.1)	Polyester	White	DM	PDL-47-10	113
0.50 x 0.44 (12.7 x 11.1)	Polyester	White	L	PLL-31-Y2-10	72
0.50 x 0.44 (12.7 x 11.1)	Polyester	White	TT	TTC3Y-10	42
0.50 x 0.44 (12.7 x 11.1)	Removable Paper	White	DM	PDL-91	113
0.50 x 0.44 (12.7 x 11.1)	Removable Polyolefin	White	L	PLL-31-POR-10	72
0.50 x 0.44 (12.7 x 11.1)	Tamp. Evid. Polyester	Silver	TT	TTC3YST-10	42
0.50 x 0.44 (12.7 x 11.1)	Vinyl Cloth	White	DM	PDL-45	113
0.50 x 0.44 (12.7 x 11.1)	Vinyl Cloth	White	DM	PDL-45-1	113
0.50 x 0.44 (12.7 x 11.1)	Vinyl Cloth	White	DM	PDL-45-10	113
0.50 x 0.50 (12.7 x 12.7)	Polyester	Silver	L	PEL-9-Y1-10	76
0.50 x 0.50 (12.7 x 12.7)	Polyester	White	L	PEL-9-Y2-10	76
0.50 x 0.50 (12.7 x 12.7)	Tamp. Evid. Polyester	Silver	L	PEL-9-Y1C-10	76
0.50 x 0.75 (12.7 x 19.1)	Destructible Paper	White	DM	PDL-122	113
0.50 x 0.75 (12.7 x 19.1)	Destructible Paper	White	DM	PDL-89	113
0.50 x 0.75 (12.7 x 19.1)	Polyester	White	DM	PDL-121	113
0.50 x 0.75 (12.7 x 19.1)	Polyester	White	DM	PDL-90	113
0.50 x 0.75 (12.7 x 19.1)	Polyester	White	TT	TTC45Y-1	42
0.50 x 0.75 (12.7 x 19.1)	TEDLAR	White	DM	PDL-120	113
0.50 x 0.75 (12.7 x 19.1)	TEDLAR	White	DM	PDL-120-10	113
0.50 x 0.75 (12.7 x 19.1)	TEDLAR	White	DM	PDL-44	113
0.50 x 0.75 (12.7 x 19.1)	Vinyl Cloth	White	DM	PDL-119	113
0.50 x 0.75 (12.7 x 19.1)	Vinyl Cloth	White	DM	PDL-43	113
0.50 x 0.75 (12.7 x 19.1)	Vinyl Cloth	White	DM	PDL-43-10	113

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
0.50 x 0.80 (12.7 x 20.3)	Destructible Paper	White	IJ	JL172P-10	55
0.50 x 0.80 (12.7 x 20.3)	Polyester	White	IJ	JL172Y-10	55
0.50 x 0.94 (12.7 x 23.8)	TEDLAR ▲	White	DM	PDL-267	113
0.50 x 0.94 (12.7 x 23.8)	Vinyl Cloth	White	DM	PDL-269	113
0.50 x 1.00 (12.7 x 25.4)	Destructible Paper	White	IJ	JL9P-10	55
0.50 x 1.00 (12.7 x 25.4)	Polyester	White	IJ	JL9Y-10	55
0.50 x 1.00 (12.7 x 25.4)	Polyolefin	White	IJ	JL9PO-10	55
0.50 x 1.00 (12.7 x 25.4)	Vinyl Cloth	White	IJ	JL9C-10	55
0.50 x 1.44 (12.7 x 36.5)	Polyester	White	DM	PDL-14	113
0.50 x 1.44 (12.7 x 36.5)	Polyester	White	DM	PDL-14-10	113
0.50 x 1.44 (12.7 x 36.5)	Polyester	White	DM	PDL-185	113
0.50 x 1.44 (12.7 x 36.5)	TEDLAR	White	DM	PDL-187	113
0.50 x 1.44 (12.7 x 36.5)	Vinyl	White	DM	PDL-15	113
0.50 x 1.44 (12.7 x 36.5)	Vinyl	White	DM	PDL-186	113
0.50 x 1.44 (12.7 x 36.5)	Vinyl Cloth	White	DM	PDL-13	113
0.50 x 1.44 (12.7 x 36.5)	Vinyl Cloth	White	DM	PDL-13-1	113
0.50 x 1.44 (12.7 x 36.5)	Vinyl Cloth	White	DM	PDL-13-10	113
0.50 x 1.44 (12.7 x 36.5)	Vinyl Cloth	White	DM	PDL-184	113
0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	Destructible Paper	White	DM	PDL-138	114
0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	Polyester	White	DM	PDL-136	114
0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	TEDLAR	White	DM	PDL-137	114
0.50 x 1.44 (12.7 x 36.5) With Horizontal Slit	Vinyl Cloth	White	DM	PDL-135	114
0.50 x 1.50 (12.7 x 38.1)	Destructible Paper	White	IJ	JL12P-5	55
0.50 x 1.50 (12.7 x 38.1)	Polyester	White	IJ	JL12Y-5	55
0.50 x 1.50 (12.7 x 38.1)	Polyolefin	White	L	PLL-33-PO-5	72
0.50 x 7.88 (12.7 x 200.0)	Polyester	White	TT	TTC-DS110-1	42
0.56 x 0.19 (14.3 x 4.8)	Polyolefin	White	IJ	JL24PO-5	55
0.56 x 0.19 (14.3 x 4.8)	Polyester	Clear	DM	PDL-402-10	114
0.56 x 0.19 (14.3 x 4.8)	Polyester	Clear	DM	PDL-402-D	114
0.56 x 0.19 (14.3 x 4.8)	Polyester	Clear	L	PLL-24-Y3-1	72
0.56 x 0.19 (14.3 x 4.8)	Polyester	Clear	L	PLL-24-Y3-5	72
0.56 x 0.19 (14.3 x 4.8)	Polyester	White	DM	PDL-405-10	114
0.56 x 0.19 (14.3 x 4.8)	Polyester	White	DM	PDL-405-D	114
0.56 x 0.19 (14.3 x 4.8)	Polyester	White	L	PLL-24-Y2-1	72
0.56 x 0.19 (14.3 x 4.8)	Polyester	White	L	PLL-24-Y2-5	72
0.56 x 0.25 (14.3 x 6.4)	Polyester	Clear	L	PEL-29-Y3M-10	76
0.56 x 0.25 (14.3 x 6.4)	Polyester	White	L	PEL-29-Y2-10	76
0.56 x 0.56 (14.3 x 14.3)	Polyester	Clear	L	PEL-28-Y3M-5	76
0.56 x 0.56 (14.3 x 14.3)	Polyester	White	L	PEL-28-Y2-5	76
0.56 x 0.56 (14.3 x 14.3)	Polyester	Clear	DM	PDL-401	114
0.56 x 0.56 (14.3 x 14.3)	Polyester	Clear	DM	PDL-401-10	114
0.56 x 0.56 (14.3 x 14.3)	Polyester	Clear	DM	PDL-401-D	114
0.56 x 0.56 (14.3 x 14.3)	Polyester	Clear	L	PLL-23-Y3-1	72
0.56 x 0.56 (14.3 x 14.3)	Polyester	Clear	L	PLL-23-Y3-5	72
0.56 x 0.56 (14.3 x 14.3)	Polyester	Electrical Ivory	DM	PDL-400	114
0.56 x 0.56 (14.3 x 14.3)	Polyester	White	DM	PDL-406-10	114
0.56 x 0.56 (14.3 x 14.3)	Polyester	White	DM	PDL-406-D	114

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
0.56 x 0.56 (14.3 x 14.3)	Polyester	White	L	PLL-23-Y2-1	72
0.56 x 0.56 (14.3 x 14.3)	Polyester	White	L	PLL-23-Y2-5	72
0.56 x 0.56 (14.3 x 14.3)	Polyolefin	White	IJ	JL23PO-1	55
0.59 x 0.35 (15.0 x 9.0)	Vinyl Cloth	White	DM	PDL-194	114
0.59 x 0.35 (15.0 x 9.0)	Vinyl Cloth	Yellow	DM	PDL-193	114
0.61 x 0.33 (15.5 x 8.4)	Polyolefin	White	IJ	JLCPL-1	55
0.65 x 0.20 (16.5 x 5.1)	TEDLAR	White	TT	TTC4T-10	114
0.65 x 0.20 (16.5 x 5.1)	Destructible Paper	White	DM	PDL-82	114
0.65 x 0.20 (16.5 x 5.1)	Destructible Vinyl	White	DM	PDL-35	114
0.65 x 0.20 (16.5 x 5.1)	Destructible Vinyl	White	DM	PDL-35-1	114
0.65 x 0.20 (16.5 x 5.1)	Destructible Vinyl	White	DM	PDL-35-10	114
0.65 x 0.20 (16.5 x 5.1)	Polyester	Silver	DM	PDL-234	114
0.65 x 0.20 (16.5 x 5.1)	Polyester	Silver	DM	PDL-234-10	114
0.65 x 0.20 (16.5 x 5.1)	Polyester	White	DM	PDL-36	114
0.65 x 0.20 (16.5 x 5.1)	Polyester	White	DM	PDL-36-10	72
0.65 x 0.20 (16.5 x 5.1)	Polyester	White	L	PLL-32-Y2-10	42
0.65 x 0.20 (16.5 x 5.1)	Polyester	White	TT	TTC4Y-10	72
0.65 x 0.20 (16.5 x 5.1)	Polyester	Yellow	L	PLL-32-Y2Y-10	114
0.65 x 0.20 (16.5 x 5.1)	Polyimide	Amber	DM	PDL-233	114
0.65 x 0.20 (16.5 x 5.1)	Polyimide	Amber	DM	PDL-233-10	42
0.65 x 0.20 (16.5 x 5.1)	Tamp. Evid. Polyester	Silver	TT	TTC4YST-10	114
0.65 x 0.20 (16.5 x 5.1)	TEDLAR	White	DM	PDL-83	114
0.65 x 0.20 (16.5 x 5.1)	TEDLAR	White	DM	PDL-83-10	42
0.65 x 0.20 (16.5 x 5.1)	Vinyl	White	DM	PDL-189	114
0.65 x 0.20 (16.5 x 5.1)	Vinyl Cloth	White	DM	PDL-34	114
0.65 x 0.20 (16.5 x 5.1)	Vinyl Cloth	White	DM	PDL-34-1	114
0.65 x 0.20 (16.5 x 5.1)	Vinyl Cloth	White	DM	PDL-34-10	114
0.65 x 0.20 (16.5 x 5.1) With Tamper Resistant Slits	Polyester	White	DM	PDL-269	114
0.65 x 0.25 (16.5 x 6.4)	Polyester	White	L	PLL-4-Y2-10	72
0.65 x 0.25 (16.5 x 6.4)	Polyester	Yellow	L	PLL-4-Y2Y-10	72
0.70 x 0.25 (17.8 x 6.4)	Polyester	Silver	L	PEL-1-Y1-10	76
0.70 x 0.25 (17.8 x 6.4)	Polyester	White	L	PEL-1-Y2-10	76
0.70 x 0.33 (17.8 x 8.5)	Polyester	Silver	L	PEL-4-Y1-10	76
0.70 x 0.33 (17.8 x 8.5)	Polyester	White	L	PEL-4-Y2-10	76
0.70 x 0.33 (17.8 x 8.5)	Polyester	Yellow	L	PEL-4-Y2Y-10	76
0.70 x 0.33 (17.8 x 8.5)	Tamp. Evid. Polyester	Silver	L	PEL-4-Y1C-10	76
0.70 x 0.50 (17.8 x 12.7)	Polyester	Matte Clear	L	PEL-10-Y3M-5	76
0.70 x 0.50 (17.8 x 12.7)	Polyester	Silver	L	PEL-10-Y1-5	76
0.70 x 0.50 (17.8 x 12.7)	Polyester	White	L	PEL-10-Y2-5	76
0.70 x 0.50 (17.8 x 12.7)	Polyester	Yellow	L	PEL-10-Y2Y-5	76
0.75 x 0.25 (19.1 x 6.4)	Destructible Paper	White	DM	PDL-85	115
0.75 x 0.25 (19.1 x 6.4)	Destructible Vinyl	White	DM	PDL-273	115
0.75 x 0.25 (19.1 x 6.4)	Destructible Vinyl	White	DM	PDL-38	115
0.75 x 0.25 (19.1 x 6.4)	Destructible Vinyl	White	DM	PDL-38-10	115
0.75 x 0.25 (19.1 x 6.4)	Polyester	Silver	DM	PDL-236	115
0.75 x 0.25 (19.1 x 6.4)	Polyester	Silver	DM	PDL-236-10	115

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
0.75 x 0.25 (19.1 x 6.4)	Polyester	Silver	DM	PDL-275	115
0.75 x 0.25 (19.1 x 6.4)	Polyester	Silver	TT	TTC5YS-10	42
0.75 x 0.25 (19.1 x 6.4)	Polyester	White	DM	PDL-274	115
0.75 x 0.25 (19.1 x 6.4)	Polyester	White	DM	PDL-274-10	115
0.75 x 0.25 (19.1 x 6.4)	Polyester	White	DM	PDL-39	115
0.75 x 0.25 (19.1 x 6.4)	Polyester	White	DM	PDL-39-10	115
0.75 x 0.25 (19.1 x 6.4)	Polyester	White	TT	TTC5Y-10	42
0.75 x 0.25 (19.1 x 6.4)	Polyimide	Amber	DM	PDL-235	115
0.75 x 0.25 (19.1 x 6.4)	Polyimide	Amber	DM	PDL-235-10	115
0.75 x 0.25 (19.1 x 6.4)	Polyimide	Amber	DM	PDL-272	115
0.75 x 0.25 (19.1 x 6.4)	Tamp. Evid. Polyester	Silver	TT	TTC5YST-10	42
0.75 x 0.25 (19.1 x 6.4)	TEDLAR ▲	White	DM	PDL-84	115
0.75 x 0.25 (19.1 x 6.4)	TEDLAR	White	TT	TTC5T-10	42
0.75 x 0.25 (19.1 x 6.4)	Vinyl	White	DM	PDL-190	115
0.75 x 0.25 (19.1 x 6.4)	Vinyl Cloth	White	DM	PDL-270	115
0.75 x 0.25 (19.1 x 6.4)	Vinyl Cloth	White	DM	PDL-37	115
0.75 x 0.25 (19.1 x 6.4)	Vinyl Cloth	White	DM	PDL-37-1	115
0.75 x 0.25 (19.1 x 6.4)	Vinyl Cloth	White	DM	PDL-37-10	115
0.75 x 0.25 (19.1 x 6.4)	Vinyl Cloth	White	DM	PDL-37-50	115
0.75 x 0.25 (19.1 x 6.4) With Tamper Resistant Slits	Polyester	White	DM	PDL-277	115
0.75 x 0.25 (19.1 x 6.4) With Tamper Resistant Slits	Polyester	White	DM	PDL-277-10	115
0.75 x 0.25 (19.1 x 6.4) With Tamper Resistant Slits	Polyimide	Amber	DM	PDL-276	115
0.75 x 0.50 (19.1 x 12.7)	Polyester	White	IJ	JL3Y-10	55
0.75 x 0.50 (19.1 x 12.7)	Vinyl Cloth	White	IJ	JL3C-10	55
0.75 x 1.00 (19.1 x 25.4)	Destructible Paper	White	IJ	JL10P-5	55
0.75 x 1.00 (19.1 x 25.4)	Polyester	White	IJ	JL10Y-5	55
0.75 x 1.00 (19.1 x 25.4)	Vinyl Cloth	White	IJ	JL10C-5	55
0.75 x 1.25 (19.1 x 31.8)	Polyester	White	IJ	JL901Y-5	55
0.75 x 1.25 (19.1 x 31.8)	Polyolefin	White	IJ	JL901PO-5	55
0.75 x 1.25 (19.1 x 31.8)	Vinyl Cloth	White	IJ	JL901C-5	55
0.75 x 1.50 (19.1 x 38.1)	Destructible Paper	White	IJ	JL35P-2.5	55
0.75 x 1.50 (19.1 x 38.1)	Polyester	White	IJ	JL35Y-2.5	55
0.75 x 1.50 (19.1 x 38.1)	Polyolefin	White	IJ	JL35PO-2.5	55
0.75 x 1.50 (19.1 x 38.1)	Vinyl Cloth	White	IJ	JL35C-2.5	55
0.79 x 0.31 (20.0 x 8.0)	Polyester	Yellow	L	PEL-24-Y2Y-10	76
0.79 x 0.32 (20.0 x 8.0)	Vinyl Cloth	White	DM	PDL-192	115
0.79 x 0.32 (20.0 x 8.0)	Vinyl Cloth	Yellow	DM	PDL-191	115
0.80 x 0.20 (20.3 x 5.1)	Polyester	White	DM	PDL-279	115
0.80 x 0.20 (20.3 x 5.1)	Polyester	White	DM	PDL-279-10	115
0.80 x 0.20 (20.3 x 5.1)	Polyester	White	L	PLL-20-Y2-10	72
0.80 x 0.20 (20.3 x 5.1)	Polyester	Yellow	L	PLL-20-Y2Y-10	72
0.80 x 0.20 (20.3 x 5.1)	Polyimide	Amber	DM	PDL-278	115
0.80 x 0.25 (20.3 x 6.4)	Destructible Paper	White	DM	PDL-167	115
0.80 x 0.25 (20.3 x 6.4)	Polyester	White	L	PLL-5-Y2-10	72
0.80 x 0.25 (20.3 x 6.4)	Polyester	Yellow	L	PLL-5-Y2Y-10	72
0.80 x 0.33 (20.3 x 8.5)	Polyester	Silver	L	PEL-5-Y1-10	76
0.80 x 0.33 (20.3 x 8.5)	Polyester	White	L	PEL-5-Y2-10	76
0.80 x 0.33 (20.3 x 8.5)	Polyester	Yellow	L	PEL-5-Y2Y-10	76
0.80 x 0.50 (20.3 x 12.7)	Destructible Paper	White	DM	PDL-174	115

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
0.80 x 0.50 (20.3 x 12.7)	Polyester	White	DM	PDL-172	115
0.80 x 0.50 (20.3 x 12.7)	Polyester	White	DM	PDL-172-10	115
0.80 x 0.50 (20.3 x 12.7)	Polyester	White	L	PLL-6-Y2-10	72
0.80 x 0.50 (20.3 x 12.7)	Polyester	White	L	PLL-6-Y2-5	72
0.80 x 0.50 (20.3 x 12.7)	Polyester	Yellow	L	PLL-6-Y2Y-10	72
0.80 x 0.50 (20.3 x 12.7)	Polyester	Yellow	L	PLL-6-Y2Y-5	72
0.80 x 0.50 (20.3 x 12.7)	Polyimide	Amber	DM	PDL-173	
0.80 x 0.50 (20.3 x 12.7)	Removable Paper	White	DM	PDL-170	115
0.80 x 0.50 (20.3 x 12.7)	Removable Paper	White	DM	PDL-170-10	115
0.80 x 0.50 (20.3 x 12.7)	Vinyl	White	DM	PDL-171	115
0.80 x 0.50 (20.3 x 12.7)	Polyester	White	DM	PDL-172R	115
0.80 x 0.94 (20.3 x 23.8)	TEDLAR	White	DM	PDL-282	116
0.80 x 0.94 (20.3 x 23.8)	Vinyl Cloth	White	DM	PDL-280	116
0.80 x 0.94 (20.3 x 23.8)	Vinyl Cloth	White	DM	PDL-280-10	116
0.80 x 1.44 (20.3 x 36.5)	TEDLAR	White	DM	PDL-10	116
0.80 x 1.44 (20.3 x 36.5)	TEDLAR	White	DM	PDL-10-1	116
0.80 x 1.44 (20.3 x 36.5)	Vinyl	White	DM	PDL-11	116
0.80 x 1.44 (20.3 x 36.5)	Vinyl Cloth	White	DM	PDL-9	116
0.80 x 1.44 (20.3 x 36.5)	Vinyl Cloth	White	DM	PDL-9-10	116
0.80 x 1.44 (20.3 x 36.5)	Vinyl Cloth	White	DM	PDL-9-10T	116
0.80 x 1.50 (20.3 x 38.1)	Polyolefin	White	IJ	JL42PO-1	56
0.81 x 0.50 (20.7 x 12.7)	Polyester	Silver	DM	PDL-175	116
0.83 x 1.88 (21.2 x 47.6)	Destructible Paper	White	IJ	JL17P-2.5	56
0.83 x 1.88 (21.2 x 47.6)	Polyester	White	IJ	JL17Y-2.5	56
0.83 x 1.88 (21.2 x 47.6)	Polyolefin	White	IJ	JL17PO-1	56
0.83 x 1.88 (21.2 x 47.6)	Polyolefin	White	IJ	JL17PO-2.5	56
0.90 x 0.25 (22.9 x 6.4)	Destructible Paper	White	DM	PDL-67	116
0.90 x 0.25 (22.9 x 6.4)	Destructible Paper	White	DM	PDL-92	116
0.90 x 0.25 (22.9 x 6.4)	Polyester	Silver	DM	PDL-68	116
0.90 x 0.25 (22.9 x 6.4)	Polyester	White	DM	PDL-285	116
0.90 x 0.25 (22.9 x 6.4)	Polyester	White	DM	PDL-94	116
0.90 x 0.25 (22.9 x 6.4)	Polyester	White	DM	PDL-94-1	116
0.90 x 0.25 (22.9 x 6.4)	Polyester	White	DM	PDL-94-10	116
0.90 x 0.25 (22.9 x 6.4)	Polyester	White	TT	TTC6Y-10	42
0.90 x 0.25 (22.9 x 6.4)	Polyimide	Amber	DM	PDL-283	116
0.90 x 0.25 (22.9 x 6.4)	Polyimide	Amber	DM	PDL-50	116
0.90 x 0.25 (22.9 x 6.4)	Polyimide	Amber	DM	PDL-50-10	116
0.90 x 0.25 (22.9 x 6.4)	TEDLAR	White	DM	PDL-23	116
0.90 x 0.25 (22.9 x 6.4)	TEDLAR	White	DM	PDL-23-1	116
0.90 x 0.25 (22.9 x 6.4)	TEDLAR	White	DM	PDL-23-10	116
0.90 x 0.25 (22.9 x 6.4)	TEDLAR	White	DM	PDL-284	116
0.90 x 0.25 (22.9 x 6.4)	TEDLAR	White	DM	PDL-49	116
0.90 x 0.25 (22.9 x 6.4)	TEDLAR	White	DM	PDL-49-10	116
0.90 x 0.25 (22.9 x 6.4)	TEDLAR	White	TT	TTC6T-10	42
0.90 x 0.25 (22.9 x 6.4)	Vinyl Cloth	White	DM	PDL-66	116
0.90 x 0.25 (22.9 x 6.4)	Vinyl Cloth	White	DM	PDL-93	116
0.90 x 0.25 (22.9 x 6.4) With Tamper Resistant Slits	Polyester	White	DM	PDL-287	116
0.90 x 0.25 (22.9 x 6.4) With Tamper Resistant Slits	Polyimide	Amber	DM	PDL-286	116
0.98 x 0.59 (25.0 x 15.0)	TEDLAR	White	DM	PDL-4565-1	116

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
1.00 x 0.25 (25.4 x 6.4)	Polyester	Matte Clear	L	PEL-2-Y3M-10	76
1.00 x 0.25 (25.4 x 6.4)	Polyester	Silver	L	PEL-2-Y1-10	76
1.00 x 0.25 (25.4 x 6.4)	Polyester	White	L	PEL-2-Y2-10	76
1.00 x 0.25 (25.4 x 6.4)	Polyester	White	L	PLL-7-Y2-10	72
1.00 x 0.25 (25.4 x 6.4)	Polyester	Yellow	L	PEL-2-Y2Y-10	76
1.00 x 0.25 (25.4 x 6.4)	Polyester	Yellow	L	PLL-7-Y2Y-10	76
1.00 x 0.33 (25.4 x 8.5)	Polyester	Silver	L	PEL-6-Y1-5	76
1.00 x 0.33 (25.4 x 8.5)	Polyester	White	L	PEL-6-Y2-5	76
1.00 x 0.33 (25.4 x 8.5)	Tamp. Evid. Polyester	Silver	L	PEL-6-Y1C-5	76
1.00 x 0.38 (25.4 x 9.5)	Destructible Paper	White	DM	PDL-74	116
1.00 x 0.38 (25.4 x 9.5)	Polyester	Silver	TT	TTC7YS-10	42
1.00 x 0.38 (25.4 x 9.5)	Polyester	White	DM	PDL-31	116
1.00 x 0.38 (25.4 x 9.5)	Polyester	White	DM	PDL-31-10	116
1.00 x 0.38 (25.4 x 9.5)	Polyester	White	L	PLL-8-Y2-10	72
1.00 x 0.38 (25.4 x 9.5)	Polyester	White	L	PLL-8-Y2-5	72
1.00 x 0.38 (25.4 x 9.5)	Polyester	White	TT	TTC7Y-10	42
1.00 x 0.38 (25.4 x 9.5)	Polyester	Yellow	L	PLL-8-Y2Y-10	72
1.00 x 0.38 (25.4 x 9.5)	Polyester	Yellow	L	PLL-8-Y2Y-5	72
1.00 x 0.38 (25.4 x 9.5)	Polyolefin	White	L	PLL-8-PO-10	72
1.00 x 0.38 (25.4 x 9.5)	TEDLAR ▲	White	DM	PDL-75	116
1.00 x 0.38 (25.4 x 9.5)	Vinyl Cloth	White	DM	PDL-30	116
1.00 x 0.38 (25.4 x 9.5)	Vinyl Cloth	White	DM	PDL-30-1	116
1.00 x 0.38 (25.4 x 9.5)	Vinyl Cloth	White	DM	PDL-30-10	116
1.00 x 0.50 (25.4 x 12.7)	Aluminum	Silver	DM	PDL-97	117
1.00 x 0.50 (25.4 x 12.7)	Destructible Polyethylene	White	TT	TTC8ET-10	42
1.00 x 0.50 (25.4 x 12.7)	Destructible Vinyl	White	DM	PDL-21	117
1.00 x 0.50 (25.4 x 12.7)	Destructible Vinyl	White	DM	PDL-21-1	117
1.00 x 0.50 (25.4 x 12.7)	Destructible Vinyl	White	DM	PDL-21-10	117
1.00 x 0.50 (25.4 x 12.7)	Destructible Vinyl	White	DM	PDL-7294-1	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	Clear	DM	PDL-363	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	Clear	L	PLL-9-Y3C-5	73
1.00 x 0.50 (25.4 x 12.7)	Polyester	Clear	TT	TTC8YC-10	42
1.00 x 0.50 (25.4 x 12.7)	Polyester	Silver	DM	PDL-158	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	Silver	DM	PDL-22	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	Silver	DM	PDL-22-1	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	Silver	DM	PDL-22-10	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	Silver	L	PEL-11-Y1-5	76
1.00 x 0.50 (25.4 x 12.7)	Polyester	Silver	L	PLL-9-Y2S-10	73
1.00 x 0.50 (25.4 x 12.7)	Polyester	Silver	TT	TTC8YS-10	42
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	DM	PDL-157	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	DM	PDL-20	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	DM	PDL-20-1	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	DM	PDL-20-10	117
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	L	PEL-11-Y2-5	76
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	L	PLL-9-Y2-10	73
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	L	PLL-9-Y2-5	73
1.00 x 0.50 (25.4 x 12.7)	Polyester	White	TT	TTC8Y-10	42

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
1.00 x 0.50 (25.4 x 12.7)	Polyester	Yellow	L	PLL-9-Y2Y-10	73
1.00 x 0.50 (25.4 x 12.7)	Polyester	Yellow	L	PLL-9-Y2Y-5	73
1.00 x 0.50 (25.4 x 12.7)	Polyester	Yellow	L	PEL-11-Y2Y-5	76
1.00 x 0.50 (25.4 x 12.7)	Polyimide	Amber	DM	PDL-98	117
1.00 x 0.50 (25.4 x 12.7)	Removable Paper	White	DM	PDL-65	117
1.00 x 0.50 (25.4 x 12.7)	Removable Polyolefin	White	L	PLL-9-POR-10	73
1.00 x 0.50 (25.4 x 12.7)	Tamp. Evid. Polyester	Silver	L	PEL-11-Y1C-5	76
1.00 x 0.50 (25.4 x 12.7)	Tamp. Evid. Polyester	Silver	TT	TTC8YST-10	42
1.00 x 0.50 (25.4 x 12.7)	TEDLAR	White	DM	PDL-99	117
1.00 x 0.50 (25.4 x 12.7)	TEDLAR	White	DM	PDL-99-10	117
1.00 x 0.50 (25.4 x 12.7)	TEDLAR	White	TT	TTC8T-10	42
1.00 x 0.50 (25.4 x 12.7)	TEDLAR	Yellow	DM	PDL-230	117
1.00 x 0.50 (25.4 x 12.7)	Vinyl	White	DM	PDL-188	117
1.00 x 0.50 (25.4 x 12.7)	Vinyl Cloth	White	DM	PDL-19	117
1.00 x 0.50 (25.4 x 12.7)	Vinyl Cloth	White	DM	PDL-19-1	117
1.00 x 0.50 (25.4 x 12.7)	Vinyl Cloth	White	DM	PDL-19-10	117
1.00 x 0.75 (25.4 x 19.1)	Polyester	Clear	L	PLL-10-Y3C-2.5	73
1.00 x 0.75 (25.4 x 19.1)	Polyester	White	L	PLL-10-Y2-2.5	73
1.00 x 0.75 (25.4 x 19.1)	Polyolefin	White	L	PLL-10-PO-5	73
1.00 x 0.75 (25.4 x 19.1)	TEDLAR	White	DM	PDL-290	117
1.00 x 0.75 (25.4 x 19.1)	TEDLAR	White	DM	PDL-290-1	117
1.00 x 0.75 (25.4 x 19.1)	Vinyl Cloth	White	DM	PDL-288	117
1.00 x 0.94 (25.4 x 23.8)	Litho Paper	White	DM	PL115-12	105
1.00 x 0.94 (25.4 x 23.8)	TEDLAR	White	DM	PDL-293	117
1.00 x 0.94 (25.4 x 23.8)	Vinyl Cloth	White	DM	PDL-291	117
1.00 x 1.00 (25.4 x 25.4)	Polyester	Clear	L	PLL-11-Y3C-2.5	73
1.00 x 1.00 (25.4 x 25.4)	Polyester	White	L	PLL-11-Y2-2.5	73
1.00 x 1.33 (25.4 x 33.8)	Polyester	White	L	PLL-12-Y2-1	73
1.00 x 1.33 (25.4 x 33.8)	Polyester	White	L	PLL-12-Y2-2.5	73
1.00 x 1.44 (25.4 x 36.5) With Horizontal Perforation	TEDLAR	White	DM	PDL-296	117
1.00 x 1.44 (25.4 x 36.5) With Horizontal Perforation	Vinyl Cloth	White	DM	PDL-294	117
1.00 x 1.75 (25.4 x 44.5)	Destructible Paper	White	IJ	JL902P-2.5	56
1.00 x 1.75 (25.4 x 44.5)	Polyester	White	IJ	JL902Y-2.5	56
1.13 x 0.53 (28.6 x 13.5)	TEDLAR	White	DM	PDL-4674-3	117
1.13 x 0.53 (28.6 x 13.5)	Vinyl Cloth	White	DM	PDL-4674-1	117
1.18 x 0.37 (30.0 x 9.5)	TEDLAR	White	DM	PDL-4565-2	117
1.25 x 0.25 (31.8 x 6.4)	Polyester	White	TT	TTC9Y-10	42
1.25 x 0.38 (31.8 x 9.5)	Destructible Paper	White	DM	PDL-370	118
1.25 x 0.38 (31.8 x 9.5)	Destructible Paper	White	DM	PDL-70	118
1.25 x 0.38 (31.8 x 9.5)	Polyester	White	DM	PDL-131	118
1.25 x 0.38 (31.8 x 9.5)	Polyester	White	DM	PDL-71	118
1.25 x 0.38 (31.8 x 9.5)	Polyester	White	L	PLL-34-Y2-10	73
1.25 x 0.38 (31.8 x 9.5)	Polyester	White	TT	TTC10Y-10	42
1.25 x 0.38 (31.8 x 9.5)	Polyester	White / Red	DM	PDL-5712-2	118
1.25 x 0.38 (31.8 x 9.5)	Polyester	Yellow	L	PLL-34-Y2Y-10	73
1.25 x 0.38 (31.8 x 9.5)	Removable Polyolefin	White	L	PLL-34-POR-10	73

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
1.25 x 0.38 (31.8 x 9.5)	TEDLAR ▲	Gray	DM	PDL-129	118
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	Silver	DM	PDL-26	118
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	White	DM	PDL-128	118
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	White	DM	PDL-128-10	118
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	White	DM	PDL-25	118
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	White	DM	PDL-25-10	118
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	White	TT	TTC10T-10	42
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	Yellow	DM	PDL-127	118
1.25 x 0.38 (31.8 x 9.5)	TEDLAR	Yellow	DM	PDL-24	118
1.25 x 0.38 (31.8 x 9.5)	Vinyl	White	DM	PDL-132	118
1.25 x 0.38 (31.8 x 9.5)	Vinyl	White	DM	PDL-132-10	118
1.25 x 0.38 (31.8 x 9.5)	Vinyl Cloth	White	DM	PDL-130	118
1.25 x 0.38 (31.8 x 9.5)	Vinyl Cloth	White	DM	PDL-69	118
1.38 x 0.19 (34.9 x 4.8)	Polyester	Clear	TT	TTC-MJ-5	42
1.38 x 0.19 (34.9 x 4.8)	Polyolefin	White	IJ	JL412PO-1	56
1.38 x 0.28 (34.9 x 7.1)	Polyester	Clear	DM	PDL-407-1	118
1.38 x 0.28 (34.9 x 7.1)	Polyester	White	DM	PDL-409-1	118
1.40 x 0.25 (35.6 x 6.4)	Polyester	Silver	L	PEL-3-Y1-5	77
1.40 x 0.25 (35.6 x 6.4)	Polyester	White	L	PEL-3-Y2-5	77
1.40 x 0.25 (35.6 x 6.4)	Tamp. Evid. Polyester	Silver	L	PEL-3-Y1C-5	77
1.44 x 0.50 (36.5 x 12.7)	Polyester	White	IJ	JL33Y-5	56
1.44 x 0.50 (36.5 x 12.7)	Polyolefin	White	IJ	JL33PO-2.5	56
1.44 x 0.50 (36.5 x 12.7)	Vinyl Cloth	White	IJ	JL33C-5	56
1.44 x 0.80 (36.5 x 20.3)	Vinyl Cloth	White	IJ	JL900C-2.5	56
1.50 x 0.25 (38.1 x 6.4)	Polyester	Silver	DM	PDL-7542-10	118
1.50 x 0.25 (38.1 x 6.4)	Polyester	White	DM	PDL-358	118
1.50 x 0.25 (38.1 x 6.4)	Polyester	White	L	PLL-14-Y2-10	73
1.50 x 0.25 (38.1 x 6.4)	Polyester	White	L	PLL-14-Y2-5	73
1.50 x 0.25 (38.1 x 6.4)	Polyester	White	TT	TTC11Y-10	42
1.50 x 0.25 (38.1 x 6.4)	Polyester	Yellow	L	PLL-14-Y2Y-5	73
1.50 x 0.25 (38.1 x 6.4)	Polyimide	Amber	DM	PDL-357	118
1.50 x 0.25 (38.1 x 6.4)	Polyolefin	White	L	PLL-14-PO-5	73
1.50 x 0.25 (38.1 x 6.4)	Removable Polyolefin	White	L	PLL-14-POR-5	73
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Polyester	White	DM	PDL-87	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Polyester	White	DM	PDL-87-10	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Removable Paper	White	DM	PDL-359-10	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Removable Paper	White	DM	PDL-40	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Removable Paper	White	DM	PDL-40-10	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	TEDLAR	White	DM	PDL-86	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Vinyl	White	DM	PDL-629	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Vinyl Cloth	White	DM	PDL-360-10	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Vinyl Cloth	White	DM	PDL-41	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Vinyl Cloth	White	DM	PDL-41-1	118
1.50 x 0.25 (38.1 x 6.4) With Vertical Perforation	Vinyl Cloth	White	DM	PDL-41-10	118

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
1.50 x 0.33 (38.1 x 8.5)	Polyester	Matte Clear	L	PEL-7-Y3M-5	77
1.50 x 0.33 (38.1 x 8.5)	Polyester	Silver	L	PEL-7-Y1-5	77
1.50 x 0.33 (38.1 x 8.5)	Polyester	White	L	PEL-7-Y2-5	77
1.50 x 0.33 (38.1 x 8.5)	Polyester	Yellow	L	PEL-7-Y2Y-5	77
1.50 x 0.50 (38.1 x 12.7)	Polyester	Silver	L	PEL-12-Y1-2.5	77
1.50 x 0.50 (38.1 x 12.7)	Polyester	White	L	PEL-12-Y2-2.5	77
1.50 x 0.50 (38.1 x 12.7)	Polyester	White	TT	TTC12Y-10	42
1.50 x 0.50 (38.1 x 12.7)	Polyester	Yellow	L	PEL-12-Y2Y-2.5	77
1.50 x 0.75 (38.1 x 19.1)	Destructible Paper	White	DM	PDL-73	119
1.50 x 0.75 (38.1 x 19.1)	Destructible Paper	White	DM	PDL-73-10	119
1.50 x 0.75 (38.1 x 19.1)	Polyester	Silver	DM	PDL-29	119
1.50 x 0.75 (38.1 x 19.1)	Polyester	Silver	DM	PDL-29-1	119
1.50 x 0.75 (38.1 x 19.1)	Polyester	Silver	DM	PDL-29-10	119
1.50 x 0.75 (38.1 x 19.1)	Polyester	Silver	L	PLL-35-Y2S-2.5	73
1.50 x 0.75 (38.1 x 19.1)	Polyester	Silver	TT	TTC13YS-10	42
1.50 x 0.75 (38.1 x 19.1)	Polyester	White	DM	PDL-231	119
1.50 x 0.75 (38.1 x 19.1)	Polyester	White	DM	PDL-231-10	119
1.50 x 0.75 (38.1 x 19.1)	Polyester	White	TT	TTC13Y-10	42
1.50 x 0.75 (38.1 x 19.1)	Polyolefin	White	L	PLL-35-PO-2.5	73
1.50 x 0.75 (38.1 x 19.1)	Removable Polyolefin	White	L	PLL-35-POR-2.5	73
1.50 x 0.75 (38.1 x 19.1)	TEDLAR	White	DM	PDL-27	119
1.50 x 0.75 (38.1 x 19.1)	TEDLAR	White	DM	PDL-27-10	119
1.50 x 0.75 (38.1 x 19.1)	TEDLAR	Yellow	DM	PDL-28	119
1.50 x 0.75 (38.1 x 19.1)	Vinyl Cloth	White	DM	PDL-72	119
1.50 x 0.81 (38.1 x 20.6)	Polyester	White	TT	TTC14Y-2.5	42
1.50 x 0.90 (38.1 x 22.9)	Vinyl Cloth	White	DM	PDL-298	119
1.50 x 0.90 (38.1 x 22.9)	Vinyl Cloth	Yellow	DM	PDL-297	119
1.50 x 1.00 (38.1 x 25.4)	Paper	White	TT	TTC15P-2.5	42
1.50 x 1.00 (38.1 x 25.4)	Polyester	White	TT	TTC15Y-2.5	42
1.50 x 1.13 (38.1 x 28.6)	Polyester	White	TT	TTC16Y-2.5	42
1.63 x 0.38 (41.3 x 9.5)	Polyester	Silver	DM	PDL-7572-10R	119
1.63 x 0.38 (41.3 x 9.5)	Polyester	Silver	DM	PDL-7572-1R	119
1.63 x 1.25 (41.3 x 31.8)	Polyester	White	TT	TTC17Y-2.5	42
1.80 x 0.38 (45.7 x 9.5)	Polyester	White	TT	TTC-EFPL-1	42
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Blue	DM/L	EFPL-BU-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Gray	DM/L	EFPL-IG-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Green	DM/L	EFPL-GR-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Ivory	DM/L	EFPL-EI-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Orange	DM/L	EFPL-OR-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Red	DM/L	EFPL-RD-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Violet	DM/L	EFPL-VL-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	White	DM/L	EFPL-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	Yellow	DM/L	EFPL-YL-1	100
1.80 x 0.38 (45.7 x 9.5)	Polyolefin	White	IJ	JLEFPS-1	56
1.80 x 0.38 (45.7 x 9.5)	Semi-Rigid Vinyl	White	DM/L	EFPT-1	69
1.88 x 0.25 (47.6 x 6.4)	Polyester	White	L	PLL-15-Y2-5	73
1.88 x 0.25 (47.6 x 6.4)	Polyester	White	L	PLL-15-Y2-10	73
1.88 x 0.25 (47.6 x 6.4)	Polyester	Yellow	L	PLL-15-Y2Y-5	73
1.88 x 0.38 (47.6 x 9.5)	Polyester	White	L	PLL-16-Y2-2.5	73
1.88 x 0.38 (47.6 x 9.5)	Polyester	White	L	PLL-16-Y2-5	73

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Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
1.88 x 0.38 (47.6 x 9.5)	Polyester	Yellow	L	PLL-16-Y2Y-2.5	73
1.88 x 0.38 (47.6 x 9.5)	Polyester	Yellow	L	PLL-16-Y2Y-5	73
1.88 x 0.38 (47.6 x 9.5)	Polyolefin	White	L	PLL-16-PO-2.5	73
1.88 x 0.83 (47.6 x 21.2)	Polyester	White	L	PLL-17-Y2-1	73
1.88 x 0.83 (47.6 x 21.2)	Polyester	White	L	PLL-17-Y2-2.5	73
1.88 x 0.83 (47.6 x 21.2)	Polyester	Yellow	L	PLL-17-Y2Y-2.5	73
1.88 x 0.83 (47.6 x 21.2)	Polyolefin	White	L	PLL-17-PO-2.5	73
1.88 x 1.33 (47.6 x 33.8)	Polyester	White	L	PLL-18-Y2-1	74
1.88 x 1.33 (47.6 x 33.8)	Polyester	White	L	PLL-18-Y2-1.5	74
1.88 x 1.33 (47.6 x 33.8)	Polyester	Yellow	L	PLL-18-Y2Y-1	74
1.88 x 1.33 (47.6 x 33.8)	Polyester	Yellow	L	PLL-18-Y2Y-1.5	74
1.88 x 1.33 (47.6 x 33.8)	Polyolefin	White	IJ	JL18PO-1	56
1.95 x 0.40 (49.5 x 10.2)	Semi-Rigid Vinyl	White	DM	PDL-408-TL	119
2.00 x 0.25 (50.8 x 6.4)	Polyester	White	TT	TTC18Y-2.5	42
2.00 x 0.33 (50.8 x 8.5)	Polyester	Silver	L	PEL-8-Y1-2.5	77
2.00 x 0.33 (50.8 x 8.5)	Polyester	White	L	PEL-8-Y2-2.5	77
2.00 x 0.33 (50.8 x 8.5)	Tamp. Evid. Polyester	Silver	L	PEL-8-Y1C-2.5	77
2.00 x 0.38 (50.8 x 9.5)	Destructible Paper	White	DM	PDL-112	119
2.00 x 0.38 (50.8 x 9.5)	Destructible Paper	White	DM	PDL-78	119
2.00 x 0.38 (50.8 x 9.5)	Polyester	Clear	DM	PDL110G5	119
2.00 x 0.38 (50.8 x 9.5)	Polyester	Silver	DM	PDL-7517	119
2.00 x 0.38 (50.8 x 9.5)	Polyester	White	DM	PDL-111	119
2.00 x 0.38 (50.8 x 9.5)	Polyester	White	DM	PDL-111-1	119
2.00 x 0.38 (50.8 x 9.5)	Polyester	White	DM	PDL-77	119
2.00 x 0.38 (50.8 x 9.5)	Polyimide	Amber	DM	PDL-237	119
2.00 x 0.38 (50.8 x 9.5)	TEDLAR ▲	White	DM	PDL-110	119
2.00 x 0.38 (50.8 x 9.5)	TEDLAR	White	DM	PDL-110-1	119
2.00 x 0.38 (50.8 x 9.5)	TEDLAR	White	DM	PDL-76	119
2.00 x 0.38 (50.8 x 9.5)	Vinyl	White	DM	PDL-113	119
2.00 x 0.38 (50.8 x 9.5)	Vinyl Cloth	White	DM	PDL-114	119
2.00 x 0.38 (50.8 x 9.5)	Vinyl Cloth	White	DM	PDL-32	119
2.00 x 0.38 (50.8 x 9.5)	Vinyl Cloth	White	DM	PDL-32-1	119
2.00 x 0.38 (50.8 x 9.5)	Vinyl Cloth	White	DM	PDL-32-10	119
2.00 x 0.50 (50.8 x 12.7)	Polyester	Silver	L	PEL-13-Y1-2.5	77
2.00 x 0.50 (50.8 x 12.7)	Polyester	White	L	PEL-13-Y2-2.5	77
2.00 x 0.50 (50.8 x 12.7)	Polyester	White	TT	TTC19Y-2.5	42
2.00 x 0.83 (50.8 x 21.2)	Polyester	Silver	L	PEL-14-Y1-1	77
2.00 x 0.83 (50.8 x 21.2)	Polyester	White	L	PEL-14-Y2-1	77
2.00 x 0.90 (50.8 x 22.9)	Destructible Paper	White	DM	PDL-300	119
2.00 x 0.90 (50.8 x 22.9)	Polyester	Silver	DM	PDL-302	119
2.00 x 0.90 (50.8 x 22.9)	Polyester	White	DM	PDL-301	119
2.00 x 0.90 (50.8 x 22.9)	Polyolefin	White	IJ	JL41PO-0.5	56
2.00 x 0.90 (50.8 x 22.9)	Removable Paper	White	DM	PDL-299	119
2.00 x 1.00 (50.8 x 25.4)	Paper	White	TT	TTC20P-2.5	42
2.00 x 1.00 (50.8 x 25.4)	Polyester	Clear	TT	TTC20YC-2.5	42
2.00 x 1.00 (50.8 x 25.4)	Polyester	Silver	L	PEL-15-Y1-1	77
2.00 x 1.00 (50.8 x 25.4)	Polyester	Silver	TT	TTC20YS-2.5	42
2.00 x 1.00 (50.8 x 25.4)	Polyester	White	L	PEL-15-Y2-1	77
2.00 x 1.00 (50.8 x 25.4)	Polyester	White	TT	TTC20Y-2.5	42
2.00 x 1.00 (50.8 x 25.4)	Polyester	Yellow	L	PEL-15-Y2Y-1	77

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
2.00 x 1.00 (50.8 x 25.4)	Tamp. Evid. Polyester	Silver	L	PEL-15-Y1C-1	77
2.00 x 1.00 (50.8 x 25.4)	Tamp. Evid. Polyester	Silver	TT	TTC20YST-2.5	42
2.00 x 1.25 (50.8 x 31.8)	Aluminum	Silver	DM	PDL-148	119
2.00 x 1.25 (50.8 x 31.8)	Destructible Paper	White	DM	PDL-149	119
2.00 x 1.25 (50.8 x 31.8)	Paper	White	TT	TTC21P-2.5	42
2.00 x 1.25 (50.8 x 31.8)	Polyester	Silver	DM	PDL-145	119
2.00 x 1.25 (50.8 x 31.8)	Polyester	White	DM	PDL-150	119
2.00 x 1.25 (50.8 x 31.8)	Vinyl	White	DM	PDL-146	119
2.00 x 1.25 (50.8 x 31.8)	Vinyl Cloth	White	DM	PDL-147	119
2.00 x 1.44 (50.8 x 36.5)	Destructible Paper	White	DM	PDL-304	120
2.00 x 1.44 (50.8 x 36.5)	Polyester	Silver	DM	PDL-306	120
2.00 x 1.44 (50.8 x 36.5)	Polyester	White	DM	PDL-305	120
2.00 x 1.44 (50.8 x 36.5)	Polyester	White	DM	PDL-305-10	120
2.00 x 1.44 (50.8 x 36.5)	Removable Paper	White	DM	PDL-303	120
2.50 x 0.94 (63.5 x 23.8)	Litho Paper	White	DM	PL2515-1	103
2.50 x 0.94 (63.5 x 23.8)	Litho Paper	White	DM	PL2515-2	103
2.50 x 0.94 (63.5 x 23.8)	Litho Paper	White	DM	PL2515-3	103
2.50 x 0.94 (63.5 x 23.8)	Litho Paper	White	DM	PL2515-4	103
2.50 x 0.94 (63.5 x 23.8)	Litho Paper	White	DM	PL2515-5	103
2.50 x 1.00 (63.5 x 25.4)	Polyester	Silver	L	PLL-36-Y2S-1	74
2.50 x 1.00 (63.5 x 25.4)	Polyester	White	L	PLL-36-Y2-1	74
2.50 x 1.00 (63.5 x 25.4)	Polyolefin	White	L	PLL-36-PO-1	74
2.50 x 1.00 (63.5 x 25.4)	Removable Polyolefin	White	L	PLL-36-POR-1	74
2.50 x 1.33 (63.5 x 33.9)	Polyester	Silver	L	PEL-16-Y1-0.5	77
2.50 x 1.33 (63.5 x 33.9)	Polyester	White	L	PEL-16-Y2-0.5	77
2.50 x 1.33 (63.5 x 33.9)	Tamp. Evid. Polyester	Silver	L	PEL-16-Y1C-0.5	77
2.50 x 4.25 (63.5 x 108.0)	TEDLAR	White	DM	PDL-7557-1	120
2.75 x 0.44 (69.9 x 11.1)	Litho Paper	White	DM	PL2757-1	103
2.75 x 0.44 (69.9 x 11.1)	Litho Paper	White	DM	PL2757-4	103
2.75 x 0.94 (69.9 x 23.8)	Litho Paper	White	DM	PL27515-1	103
2.75 x 0.94 (69.9 x 23.8)	Litho Paper	White	DM	PL27515-3	103
2.75 x 0.94 (69.9 x 23.8)	Litho Paper	White	DM	PL27515-4	103
2.75 x 1.25 (69.9 x 31.8)	Paper	White	TT	TTC22P-2.5	43
2.75 x 1.25 (69.9 x 31.8)	Polyester	Silver	TT	TTC22YS-2.5	43
2.75 x 1.25 (69.9 x 31.8)	Polyester	White	TT	TTC22Y-2.5	43
2.75 x 1.44 (69.9 x 36.5)	Litho Paper	White	DM	PL27517-1	103
2.75 x 1.94 (69.9 x 49.2)	Litho Paper	White	DM	PL275115-1	103
2.75 x 2.75 (69.9 x 69.9)	Destructible Paper	White	IJ	JL903P-0.5	56
2.80 x 1.00 (71.1 x 25.4)	Destructible Paper	White	DM	PDL-163	120
2.80 x 1.00 (71.1 x 25.4)	Vinyl Cloth	White	DM	PDL-164	120
2.80 x 1.50 (71.1 x 38.1)	Destructible Paper	White	DM	PDL-165	120
2.80 x 1.50 (71.1 x 38.1)	Vinyl Cloth	White	DM	PDL-166	120
2.83 x 1.00 (72.0 x 25.4)	Litho Paper	White	L	LL2561-100	75
2.83 x 1.00 (72.0 x 25.4)	Litho Paper	White	L	LL2561-100G	75
2.83 x 1.00 (72.0 x 25.4)	Litho Paper	White	L	LL2561-250	75
2.83 x 1.00 (72.0 x 25.4)	Litho Paper	White	L	LL2561-500	75

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
2.83 x 1.00 (72.0 x 25.4)	Polyester	White	L	PLL-26-Y2-1	74
2.83 x 1.38 (72.0 x 34.9)	Litho Paper	White	L	LL256138-100	75
2.83 x 1.38 (72.0 x 34.9)	Polyester	White	L	PLL-27-Y2-1	74
2.83 x 1.50 (72.0 x 38.1)	Litho Paper	White	L	LL25615-100G	75
2.83 x 1.50 (72.0 x 38.1)	Polyester	White	L	PLL-28-Y2-1	74
2.90 x 0.30 (73.7 x 7.6)	Polyester	White	TT	TTC-EFPL10-1	43
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Blue	DM/L	EFPL10-BU-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Gray	DM/L	EFPL10-IG-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Green	DM/L	EFPL10-GR-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Ivory	DM/L	EFPL10-EI-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Orange	DM/L	EFPL10-OR-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Red	DM/L	EFPL10-RD-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Violet	DM/L	EFPL10-VL-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	White	DM/L	EFPL10-1	100
2.90 x 0.30 (73.7 x 7.6)	Polyolefin	Yellow	DM/L	EFPL10-YL-1	100
2.90 x 0.30 (73.7 x 7.6)	Semi-Rigid Vinyl	White	DM/L	EFPT10-1	69
2.90 x 0.94 (73.7 x 23.8)	Litho Paper	White	DM	PL2915-4	103
3.00 x 0.25 (76.2 x 6.4)	Polyester	White	TT	TTC23Y-2.5	43
3.00 x 0.33 (76.2 x 8.5)	Semi-Rigid Vinyl	White	DM	PDL-410-TL	120
3.00 x 0.38 (76.2 x 9.5)	Destructible Paper	White	DM	PDL-81	120
3.00 x 0.38 (76.2 x 9.5)	Polyester	White	DM	PDL-80	120
3.00 x 0.38 (76.2 x 9.5)	Polyester	White	L	PLL-19-Y2-1	74
3.00 x 0.38 (76.2 x 9.5)	Polyester	White	L	PLL-19-Y2-2.5	74
3.00 x 0.38 (76.2 x 9.5)	Polyester	Yellow	L	PLL-19-Y2Y-1	74
3.00 x 0.38 (76.2 x 9.5)	Polyester	Yellow	L	PLL-19-Y2Y-2.5	74
3.00 x 0.38 (76.2 x 9.5)	Polyimide	Amber	DM	PDL-232	120
3.00 x 0.38 (76.2 x 9.5)	Removable Polyolefin	White	L	PLL-19-POR-2.5	74
3.00 x 0.38 (76.2 x 9.5)	TEDLAR ▲	White	DM	PDL-79	120
3.00 x 0.38 (76.2 x 9.5)	Vinyl Cloth	White	DM	PDL-33	120
3.00 x 0.90 (76.2 x 22.9)	Destructible Paper	White	DM	PDL-310	120
3.00 x 0.90 (76.2 x 22.9)	Destructible Paper	White	TT	TTC46P-5	43
3.00 x 0.90 (76.2 x 22.9)	Polyester	Silver	DM	PDL-312	120
3.00 x 0.90 (76.2 x 22.9)	Polyester	White	DM	PDL-311	120
3.00 x 0.90 (76.2 x 22.9)	Removable Paper	White	DM	PDL-309	120
3.00 x 0.90 (76.2 x 22.9)	Vinyl Cloth	White	DM	PDL-308	120
3.00 x 0.90 (76.2 x 22.9)	Vinyl Cloth	Yellow	DM	PDL-307	120
3.00 x 0.94 (76.2 x 23.8)	Litho Paper	White	DM	PL315-1	103
3.00 x 0.94 (76.2 x 23.8)	Litho Paper	White	DM	PL315-4	103
3.00 x 1.00 (76.2 x 25.4)	Paper	White	TT	TTC24P-2.5	43
3.00 x 1.00 (76.2 x 25.4)	Polyester	Clear	TT	TTC24YC-2.5	43
3.00 x 1.00 (76.2 x 25.4)	Polyester	Silver	TT	TTC24YS-2.5	43
3.00 x 1.00 (76.2 x 25.4)	Polyester	White	TT	TTC24Y-2.5	43
3.00 x 1.00 (76.2 x 25.4)	Tamp. Evid. Polyester	Silver	TT	TTC24YST-2.5	43
3.00 x 1.44 (76.2 x 36.5)	Destructible Paper	White	DM	PDL-314	120
3.00 x 1.44 (76.2 x 36.5)	Polyester	Silver	DM	PDL-316	120
3.00 x 1.44 (76.2 x 36.5)	Polyester	White	DM	PDL-315	120
3.00 x 1.44 (76.2 x 36.5)	Removable Paper	White	DM	PDL-313	120

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
3.00 x 1.90 (76.2 x 48.3)	Destructible Paper	White	DM	PDL-318	120
3.00 x 1.90 (76.2 x 48.3)	Polyester	Silver	DM	PDL-320	120
3.00 x 1.90 (76.2 x 48.3)	Polyester	White	DM	PDL-319	120
3.00 x 1.90 (76.2 x 48.3)	Removable Paper	White	DM	PDL-317	120
3.00 x 2.00 (76.2 x 50.8)	Aluminum	Silver	DM	PDL-143	120
3.00 x 2.00 (76.2 x 50.8)	Destructible Paper	White	DM	PDL-141	120
3.00 x 2.00 (76.2 x 50.8)	Paper	White	TT	TTC25P-1	43
3.00 x 2.00 (76.2 x 50.8)	Polyester	Clear	TT	TTC25YC-1	43
3.00 x 2.00 (76.2 x 50.8)	Polyester	Silver	DM	PDL-139	120
3.00 x 2.00 (76.2 x 50.8)	Polyester	Silver	TT	TTC25YS-1	43
3.00 x 2.00 (76.2 x 50.8)	Polyester	White	DM	PDL-144	120
3.00 x 2.00 (76.2 x 50.8)	Polyester	White	TT	TTC25Y-1	43
3.00 x 2.00 (76.2 x 50.8)	Tamp. Evid. Polyester	Silver	TT	TTC25YST-1	43
3.00 x 2.00 (76.2 x 50.8)	Vinyl	White	DM	PDL-140	120
3.00 x 2.00 (76.2 x 50.8)	Vinyl Cloth	White	DM	PDL-142	120
3.00 x 5.00 (76.2 x 127.0)	Paper	White	TT	TTC26P-1	43
3.20 x 0.90 (81.3 x 22.9)	Litho Paper	White	DM	PL3278-4	104
3.20 x 0.90 (81.3 x 22.9)	Litho Paper	White	DM	PL329-4	104
3.20 x 0.94 (81.3 x 23.8)	Litho Paper	White	DM	PL3215-4	103
3.25 x 0.31 (82.6 x 7.92)	Polyester	White	TT	TTC27Y-10	43
3.25 x 0.50 (82.6 x 12.7)	Polyester	White	TT	TTC28Y-10	43
3.25 x 0.63 (82.6 x 15.9)	Polyester	White	TT	TTC29Y-5	43
3.25 x 0.81 (82.6 x 20.6)	Polyester	White	TT	TTC30Y-2.5	43
3.25 x 1.25 (82.6 x 31.8)	Aluminum	Silver	DM	PDL-154	120
3.25 x 1.25 (82.6 x 31.8)	Destructible Paper	White	DM	PDL-155	120
3.25 x 1.25 (82.6 x 31.8)	Polyester	Silver	DM	PDL-151	120
3.25 x 1.25 (82.6 x 31.8)	Polyester	White	DM	PDL-156	120
3.25 x 1.25 (82.6 x 31.8)	Vinyl	White	DM	PDL-152	120
3.25 x 1.25 (82.6 x 31.8)	Vinyl Cloth	White	DM	PDL-153	120
3.30 x 0.94 (83.8 x 23.8)	Litho Paper	White	DM	PL3315-4	103
3.50 x 0.44 (88.9 x 11.1)	Litho Paper	White	DM	PL357-1	103
3.50 x 0.44 (88.9 x 11.1)	Litho Paper	White	DM	PL357-2	103
3.50 x 0.44 (88.9 x 11.1)	Litho Paper	White	DM	PL357-3	103
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Blue	DM	PL3510-1FB	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Brown	DM	PL3510-1FBR	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Green	DM	PL3510-1FG	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Orange	DM	PL3510-1FO	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Pink	DM	PL3510-1FP	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Purple	DM	PL3510-1FPU	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Red	DM	PL3510-1FR	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	White	DM	PL3510-1F	104
3.50 x 0.64 (88.9 x 16.1)	Litho Paper	Yellow	DM	PL3510-1FY	104
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	White	DM	PL3515-1	103
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	White	DM	PL3515-2	103
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	White	DM	PL3515-3	103
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	White	DM	PL3515-4	103
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	Blue	DM	PL3515-1TB	104
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	Green	DM	PL3515-1TG	104
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	Pink	DM	PL3515-1TP	104
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	Tan	DM	PL3515-1TT	104
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	Yellow	DM	PL3515-1TY	104

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Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
3.50 x 0.94 (88.9 x 23.8)	Litho Paper	White	DM	PL3515-1TRL	105
3.50 x 0.94 (88.9 x 23.8)	Removable Litho Paper	White	DM	PL3515-1R	105
3.50 x 0.94 (88.9 x 23.8)	Removable Litho Paper	White	DM	PL3515-3R	105
3.50 x 1.00 (88.9 x 25.4)	Paper	White	TT	TTC31P-1	43
3.50 x 1.00 (88.9 x 25.4)	Polyester	White	TT	TTC31Y-1	43
3.50 x 1.44 (88.9 x 36.5)	Litho Paper	White	DM	PL3517-TRL	105
3.50 x 1.44 (88.9 x 36.5)	Litho Paper	White	DM	PL3517-1	103
3.50 x 1.44 (88.9 x 36.5)	Litho Paper	White	DM	PL3517-3	103
3.50 x 1.94 (88.9 x 49.2)	Litho Paper	White	DM	PL35115-1	103
3.50 x 1.94 (88.9 x 49.2)	Litho Paper	White	DM	PL35115-3	103
3.50 x 8.00 (88.9 x 203.2)	Paper	White	TT	TTC32P-1	43
3.50 x 8.00 (88.9 x 203.2)	Polyester	White	TT	TTC32Y-1	43
3.63 x 1.00 (92.1 x 25.4)	Destructible Paper	White	DM	PDL-159	121
3.63 x 1.00 (92.1 x 25.4)	Vinyl Cloth	White	DM	PDL-160	121
3.63 x 1.50 (92.1 x 38.1)	Destructible Paper	White	DM	PDL-161	121
3.63 x 1.50 (92.1 x 38.1)	Vinyl Cloth	White	DM	PDL-162	121
3.63 x 4.22 (92.1 x 107.1)	Paper	White	TT	TTC34P-.5	43
3.63 x 5.79 (92.1 x 147.1)	Paper	White	TT	TTC33P-.5	43
3.88 x 1.44 (98.4 x 36.5)	Litho Paper	White	DM	PL3817-1TRL	105
3.88 x 1.75 (98.4 x 44.5)	Litho Paper	White	DM	PL38175-1TRL	105
3.90 x 0.90 (99.1 x 22.9)	Vinyl Cloth	White	DM	PDL-322	121
3.90 x 0.90 (99.1 x 22.9)	Vinyl Cloth	Yellow	DM	PDL-321	121
3.90 x 1.44 (99.1 x 36.5)	Destructible Paper	White	DM	PDL-326	121
3.90 x 1.44 (99.1 x 36.5)	Polyester	Silver	DM	PDL-328	121
3.90 x 1.44 (99.1 x 36.5)	Polyester	White	DM	PDL-327	121
3.90 x 1.44 (99.1 x 36.5)	Removable Paper	White	DM	PDL-325	121
3.90 x 1.44 (99.1 x 36.5)	Vinyl Cloth	White	DM	PDL-324	121
3.90 x 1.44 (99.1 x 36.5)	Vinyl Cloth	Yellow	DM	PDL-323	121
3.90 x 2.90 (99.1 x 73.7)	Vinyl Cloth	White	DM	PDL-330	121
3.90 x 2.90 (99.1 x 73.7)	Vinyl Cloth	Yellow	DM	PDL-329	121
4.00 x 0.44 (101.6 x 11.1)	Litho Paper	White	DM	PL47-1	103
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	Blue	DM	PL417-1TB	104
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	Green	DM	PL417-1TG	104
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	Pink	DM	PL417-1TP	104
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	Tan	DM	PL417-1TT	104
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	White	DM	PL415-1	103
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	White	DM	PL415-2	103
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	White	DM	PL415-3	103
4.00 x 0.94 (101.6 x 23.8)	Litho Paper	Yellow	DM	PL417-1TY	104
4.00 x 0.94 (101.6 x 23.8)	Removable Litho Paper	White	DM	PL417-1R	105
4.00 x 1.00 (101.6 x 25.4)	Paper	White	TT	TTC35P-2.5	43
4.00 x 1.00 (101.6 x 25.4)	Polyester	White	TT	TTC35Y-2.5	43
4.00 x 1.44 (101.6 x 36.5)	Litho Paper	White	DM	PL417-1	103
4.00 x 1.44 (101.6 x 36.5)	Litho Paper	White	DM	PL417-1TRL	104
4.00 x 1.44 (101.6 x 36.5)	Litho Paper	White	DM	PL417-2	103
4.00 x 1.44 (101.6 x 36.5)	Litho Paper	White	DM	PL417-3	103
4.00 x 1.75 (101.6 x 44.5)	Litho Paper	White	DM	PL4175-1TRL	105
4.00 x 1.94 (101.6 x 49.2)	Litho Paper	White	DM	PL4115-1	103
4.00 x 1.94 (101.6 x 49.2)	Litho Paper	White	DM	PL4115-3	103

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
4.00 x 2.00 (101.6 x 50.8)	Paper	White	TT	TTC36P-1	43
4.00 x 2.00 (101.6 x 50.8)	Polyester	Silver	TT	TTC36YS-1	43
4.00 x 2.00 (101.6 x 50.8)	Polyester	White	TT	TTC36Y-1	43
4.00 x 2.44 (101.6 x 61.9)	Litho Paper	White	DM	PL427-1	103
4.00 x 2.94 (101.6 x 74.6)	Litho Paper	White	DM	PL4215-1	103
4.00 x 2.94 (101.6 x 74.6)	Litho Paper	White	DM	PL4215-3	103
4.00 x 3.00 (101.6 x 76.2)	Paper	White	TT	TTC37P-1	43
4.00 x 3.00 (101.6 x 76.2)	Polyester	White	TT	TTC37Y-1	43
4.00 x 4.00 (101.6 x 101.6)	Paper	White	TT	TTC38P-1	43
4.00 x 4.00 (101.6 x 101.6)	Polyester	White	TT	TTC38Y-1	43
4.00 x 5.00 (101.6 x 127.0)	Paper	White	TT	TTC39P-1	43
4.00 x 5.00 (101.6 x 127.0)	Polyester	White	TT	TTC39Y-1	43
4.00 x 6.00 (101.6 x 152.4)	Paper	White	TT	TTC40P-1	43
4.00 x 6.50 (101.6 x 165.1)	Paper	White	TT	TTC41P-1	43
4.00 x 6.50 (101.6 x 165.1)	Polyester	White	TT	TTC41Y-1	43
4.00 x 12.88 (101.6 x 327.0)	Paper	White	TT	TTC42P-.5	43
4.00 x 12.88 (101.6 x 327.0)	Polyester	White	TT	TTC42Y-.5	43
4.25 x 2.00 (108.0 x 50.8)	Litho Paper	White	L	LL4252-100G	75
4.25 x 2.00 (108.0 x 50.8)	Litho Paper	White	L	LL425275-250	75
4.25 x 2.00 (108.0 x 50.8)	Polyester	White	L	PLL-29-Y2-1	74
4.25 x 2.94 (108.0 x 74.6)	Litho Paper	White	DM	PL425215-1	103
4.25 x 13.00 (108.0 x 330.2)	Litho Paper	White	L	LL42513-100G	75
5.00 x 0.44 (127.0 x 11.1)	Litho Paper	White	DM	PL57-1	103
5.00 x 0.94 (127.0 x 23.8)	Litho Paper	White	DM	PL515-1	103
5.00 x 0.94 (127.0 x 23.8)	Litho Paper	White	DM	PL515-2	103
5.00 x 1.44 (127.0 x 36.5)	Litho Paper	White	DM	PL517-1	103
5.00 x 1.94 (127.0 x 49.2)	Litho Paper	White	DM	PL5115-1	103
5.00 x 2.94 (127.0 x 74.6)	Litho Paper	White	DM	PL5215-1	103
5.00 x 2.94 (127.0 x 74.6)	Litho Paper	White	DM	PL5215-2	103
5.00 x 3.94 (127.0 x 100.0)	Litho Paper	White	DM	PL5315-1	103
5.00 x 3.94 (127.0 x 100.0)	Litho Paper	White	DM	PL5315-2	103
5.00 x 4.00 (127.0 x 101.6)	Paper	White	TT	TTC43P-1	44
5.00 x 4.00 (127.0 x 101.6)	Polyester	White	TT	TTC43Y-1	44
5.75 x 2.94 (146.1 x 74.6)	Litho Paper	White	DM	PL575215-1	103
6.00 x 0.90 (152.4 x 22.9)	Vinyl Cloth	White	DM	PDL-332	121
6.00 x 0.90 (152.4 x 22.9)	Vinyl Cloth	Yellow	DM	PDL-331	121
6.00 x 1.44 (152.4 x 36.6)	Vinyl Cloth	White	DM	PDL-334	121
6.00 x 1.44 (152.4 x 36.6)	Vinyl Cloth	Yellow	DM	PDL-333	121
6.00 x 1.90 (152.4 x 48.3)	Vinyl Cloth	White	DM	PDL-336	121
6.00 x 1.90 (152.4 x 48.3)	Vinyl Cloth	Yellow	DM	PDL-335	121
6.00 x 2.90 (152.4 x 73.7)	Vinyl Cloth	White	DM	PDL-338	121
6.00 x 2.90 (152.4 x 73.7)	Vinyl Cloth	Yellow	DM	PDL-337	121
6.00 x 3.94 (152.4 x 100.0)	Destructible Paper	White	DM	PDL-340	121
6.00 x 3.94 (152.4 x 100.0)	Removable Paper	White	DM	PDL-339	121
6.00 x 3.98 (152.4 x 100.0)	Litho Paper	White	DM	PL6315-1	105
6.00 x 3.98 (152.4 x 100.0)	Litho Paper	White	DM	PL6315-2	105
6.00 x 3.98 (152.4 x 100.0)	Litho Paper	White	DM	PL65315-2	105
6.00 x 4.00 (152.4 x 101.6)	Paper	White	TT	TTC44P-1	44
6.00 x 4.00 (152.4 x 101.6)	Polyester	White	TT	TTC44Y-1	44
7.50 x 0.50 (190.5 x 12.7)	Polyester	Clear	DM	PDL-404-1	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Clear	DM	PDL-404-2.5	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	White	DM	PDL-403-1	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Blue	DM	PDL-403-1B	121

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer

Blank Labels by Size (cont.)

Label Size Width x Length In. (mm)	Material	Color	Print Method*	Part Number	Page No.
7.50 x 0.50 (190.5 x 12.7)	Polyester	Brown	DM	PDL-403-1BR	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Green	DM	PDL-403-1G	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Gray	DM	PDL-403-1GR	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Orange	DM	PDL-403-1OR	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Purple	DM	PDL-403-1PR	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Red	DM	PDL-403-1R	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	Yellow	DM	PDL-403-1Y	121
7.50 x 0.50 (190.5 x 12.7)	Polyester	White	DM	PDL-403-2.5	121
7.75 x 0.44 (196.9 x 11.1)	Litho Paper	White	DM	PL7757-1	103
7.75 x 0.94 (196.9 x 23.8)	Litho Paper	White	DM	PL77515-1	103
7.88 x 0.50 (200.0 x 12.7)	Polyester	Clear	L	PLL-22-Y3-1	74
7.88 x 0.50 (200.0 x 12.7)	Polyester	White	L	PLL-22-Y2-1	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Blue	L	PLL-22-PO-1B	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Brown	L	PLL-22-PO-1BR	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Gray	L	PLL-22-PO-1GR	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Green	L	PLL-22-PO-1G	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Orange	L	PLL-22-PO-1OR	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Purple	L	PLL-22-PO-1PR	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Red	L	PLL-22-PO-1R	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	White	IJ	JL22PO-1	56
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	White	L	PLL-22-PO-1	74
7.88 x 0.50 (200.0 x 12.7)	Polyolefin	Yellow	L	PLL-22-PO-1Y	74
8.00 x 1.44 (203.2 x 36.5)	Vinyl Cloth	White	DM	PDL-342	121
8.00 x 1.44 (203.2 x 36.5)	Vinyl Cloth	Yellow	DM	PDL-341	121
8.27 x 11.69 (210.0 x 297.0)	Polyester	Clear	L	PEL-A4-Y3-25	77
8.27 x 11.69 (210.0 x 297.0)	Polyester	Matte Clear	L	PEL-A4-Y3M-25	77
8.27 x 11.69 (210.0 x 297.0)	Polyester	Silver	L	PEL-A4-Y1-25	77
8.27 x 11.69 (210.0 x 297.0)	Polyester	White	L	PEL-A4-Y2-25	77
8.27 x 11.69 (210.0 x 297.0)	Polyester	Yellow	L	PEL-A4-Y2Y-25	77
8.27 x 11.69 (210.0 x 297.0)	Tamp. Evid. Polyester	Silver	L	PEL-A4-Y1C-25	77
8.50 x 11.00 (215.9 x 279.4)	Destructible Paper	White	IJ	JL25P-SH	56
8.50 x 11.00 (215.9 x 279.4)	Litho Paper	White	L	LL8511-100	75
8.50 x 11.00 (215.9 x 279.4)	Polyester	Clear	L	PLL-25-Y3C-SH	74
8.50 x 11.00 (215.9 x 279.4)	Polyester	Silver	L	PLL-25-Y2S-SH	74
8.50 x 11.00 (215.9 x 279.4)	Polyester	White	IJ	JL25Y-SH	56
8.50 x 11.00 (215.9 x 279.4)	Polyester	White	L	PLL-25-Y2-SH	74
8.50 x 11.00 (215.9 x 279.4)	Polyester	Yellow	L	PLL-25-Y2Y-SH	74
8.50 x 11.00 (215.9 x 279.4)	Polyolefin	White	L	PLL-25-PO-SH	74
8.50 x 11.00 (215.9 x 279.4)	Removable Polyolefin	White	L	PLL-25-POR-SH	74
12.00 x 1.90 (304.8 x 48.3)	Vinyl Cloth	White	DM	PDL-344	121
12.00 x 1.90 (304.8 x 48.3)	Vinyl Cloth	Yellow	DM	PDL-343	121
12.00 x 2.90 (304.8 x 73.7)	Vinyl Cloth	White	DM	PDL-346	121
12.00 x 2.90 (304.8 x 73.7)	Vinyl Cloth	Yellow	DM	PDL-345	121
13.00 x 3.94 (304.8 x 100.0)	Litho Paper	White	DM	PL130315-2	105

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer

Self-Laminating Labels by Size

Label Size Width x Length In. (mm)	Print-On Area Size Width x Length In. (mm)	Material	Print-On Area Color	Print Method*	Part Number	Page No.
0.30 x 0.75 (7.6 x 19.1)	**0.30 x 0.38 (7.6 x 9.5)**	Self-Laminating Polyolefin	White	DM	PDL-239VF	106
0.30 x 0.75 (7.6 x 19.1)	**0.30 x 0.38 (7.6 x 9.5)**	Self-Laminating TEDLAR ▲	White	DM	PDL-238	106
0.30 x 0.75 (7.6 x 19.1)	**0.30 x 0.38 (7.6 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-239	106
0.30 x 0.94 (7.6 x 23.8)	**0.30 x 0.38 (7.6 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-240	106
0.30 x 0.94 (7.6 x 23.8)	**0.30 x 0.38 (7.6 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-241	106
0.36 x 0.94 (9.1 x 23.8)	**0.36 x 0.38 (9.1 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-169	106
0.36 x 0.94 (9.1 x 23.8)	**0.36 x 0.38 (9.1 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-168	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.34 (12.7 x 8.6)**	Self-Laminating Polyester	White	L	PLL-3-Y3-5	70
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-118	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-118-1	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-118-10	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-88	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-117	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-42	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-42-10	106
0.50 x 0.75 (12.7 x 19.1)	**0.50 x 0.41 (12.7 x 10.4)**	Self-Laminating Vinyl	White	TT	TTSL8VC3-10	44
0.50 x 0.94 (12.7 x 23.8)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-242	106
0.50 x 0.94 (12.7 x 23.8)	**0.50 x 0.38 (12.7 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-243	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	White	DM	PDL-53-10	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	White	DM	PDL-53	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Blue/White	DM	PDL-53B	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Brown/White	DM	PDL-53BR	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Green/White	DM	PDL-53G	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Gray/White	DM	PDL-53GR	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Orange/White	DM	PDL-53OR	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Purple/White	DM	PDL-53PR	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Red/White	DM	PDL-53R	106
0.50 x 1.38 (12.7 x 34.9)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	Yellow/White	DM	PDL-53Y	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Polyolefin	White	DM	PDL-1VF	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating TEDLAR	White	DM	PDL-61	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-1-1	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-1-10	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-1	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Blue/White	DM	PDL-1B	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Brown/White	DM	PDL-1BR	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Green/White	DM	PDL-1G	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Gray/White	DM	PDL-1GR	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Orange/White	DM	PDL-1OR	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Purple/White	DM	PDL-1PR	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Red/White	DM	PDL-1R	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	Yellow/white	DM	PDL-1Y	106
0.50 x 1.44 (12.7 x 36.5)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-12	106
0.50 x 1.50 (12.7 x 38.1)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Polyester	White	L	PLL-33-Y3-5	70
0.50 x 1.50 (12.7 x 38.1)	**0.50 x 0.50 (12.7 x 12.7)**	Self-Laminating Vinyl	White	TT	TTSL1VC3-10	44
0.50 x 2.00 (12.7 x 50.8)	**0.50 x 1.00 (12.7 x 25.4)**	Self-Laminating Vinyl	White	TT	TTSL10VC3-5	44
0.60 x 1.44 (15.2 x 36.5)	**0.60 x 0.50 (15.2 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-6556-2	106
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	White	L	PEL-17-Y3-2.5	71
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Blue	L	PEL-17-Y3-BLU-2.5	71
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Brown	L	PEL-17-Y3-BRN-2.5	71
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Green	L	PEL-17-Y3-GRN-2.5	71
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Gray	L	PEL-17-Y3-GRY-2.5	71
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Orange	L	PEL-17-Y3-ORN-2.5	71
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Purple	L	PEL-17-Y3-PUR-2.5	71
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Red	L	PEL-17-Y3-RED-2.5	71

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Self-Laminating Labels by Size (cont.)

Label Size Width x Length In. (mm)	Print-On Area Size Width x Length In. (mm)	Material	Print-On Area Color	Print Method*	Part Number	Page No.
0.70 x 1.33 (17.8 x 33.9)	**0.70 x 0.33 (17.8 x 8.5)**	Self-Laminating Polyester	Yellow	L	PEL-17-Y3-YEL-2.5	71
0.75 x 1.75 (19.1 x 44.5)	**0.75 x 0.50 (19.1 x 12.7)**	Self-Laminating TEDLAR ▲	White	DM	PDL-244	107
0.75 x 1.75 (19.1 x 44.5)	**0.75 x 0.50 (19.1 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-245	107
0.75 x 1.75 (19.1 x 44.5)	**0.75 x 0.50 (19.1 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-245-1	107
0.75 x 1.75 (19.1 x 44.5)	**0.75 x 0.50 (19.1 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-245-10	107
0.80 x 0.94 (20.3x 23.9)	**0.80 x 0.38 (20.3 x 9.6)**	Self-Laminating Vinyl	White	TT	TTSL247VC3-10	44
0.80 x 0.94 (20.3 x 23.8)	**0.80 x 0.38 (20.3 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-246	107
0.80 x 0.94 (20.3 x 23.8)	**0.80 x 0.38 (20.3 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-247	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Polyolefin	White	DM	PDL-8VF	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	White	DM	PDL-60	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Blue/White	DM	PDL-60B	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Brown/White	DM	PDL-60BR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Green/White	DM	PDL-60G	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Gray/White	DM	PDL-60GR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Orange/White	DM	PDL-60OR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Purple/White	DM	PDL-60PR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Red/White	DM	PDL-60R	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating TEDLAR	Yellow/White	DM	PDL-60Y	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-8-1	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-8-10	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	White	DM	PDL-8	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Blue/White	DM	PDL-8B	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Brown/White	DM	PDL-8BR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Green/White	DM	PDL-8G	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Gray/White	DM	PDL-8GR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Orange/White	DM	PDL-8OR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Purple/White	DM	PDL-8PR	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Red/White	DM	PDL-8R	107
0.80 x 1.44 (20.3 x 36.5)	**0.80 x 0.50 (20.3 x 12.7)**	Self-Laminating Vinyl	Yellow/White	DM	PDL-8Y	107
0.82 x 2.00 (20.8 x 50.8)	**0.82 x 0.63 (20.8 x 15.9)**	Self-Laminating Vinyl	White	DM	PDL-5859-2	107
0.82 x 2.00 (20.8 x 50.8)	**0.82 x 0.63 (20.8 x 15.9)**	Self-Laminating Vinyl	Yellow	DM	PDL-5859-4	107
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	White	L	PEL-18-Y3-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Blue	L	PEL-18-Y3-BLU-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Brown	L	PEL-18-Y3-BRN-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Green	L	PEL-18-Y3-GRN-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Gray	L	PEL-18-Y3-GRY-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Orange	L	PEL-18-Y3-ORN-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Purple	L	PEL-18-Y3-PUR-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Red	L	PEL-18-Y3-RED-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyester	Yellow	L	PEL-18-Y3-YEL-1	71
0.90 x 2.17 (22.9 x 55.0)	**0.90 x 0.50 (22.9 x 12.7)**	Self-Laminating Polyolefin	White	L	PEL-18-PO3-1	71
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.34 (25.4 x 8.6)**	Self-Laminating Polyester	White	L	PLL-10-Y3-2.5	70
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.34 (25.4 x 8.6)**	Self-Laminating Polyester	White	L	PLL-10-Y3-5	70
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.35 (25.4 x 8.9)**	Self-Laminating Vinyl	White	TT	TTSL-9VC3-10	44
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.38 (25.4 x 9.5)**	Self-Laminating Polyolefin	White	DM	PDL-249VF	107
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.38 (25.4 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-248	107
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.38 (25.4 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-249	107
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.38 (25.4 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-249-1	107
1.00 x 0.75 (25.4 x 19.1)	**1.00 x 0.38 (25.4 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-249-10	107
1.00 x 0.94 (25.4 x 23.8)	**1.00 x 0.38 (25.4 x 9.5)**	Self-Laminating TEDLAR	White	DM	PDL-250	107
1.00 x 0.94 (25.4 x 23.8)	**1.00 x 0.38 (25.4 x 9.5)**	Self-Laminating Vinyl	White	DM	PDL-251	107
1.00 x 1.00 (25.4 x 25.4)	**1.00 x 0.34 (25.4 x 8.6)**	Self-Laminating Polyester	White	L	PLL-11-Y3-2.5	70
1.00 x 1.00 (25.4 x 25.4)	**1.00 x 0.34 (25.4 x 8.6)**	Self-Laminating Polyester	Blue	L	PLL-11-Y3B-2.5	70
1.00 x 1.00 (25.4 x 25.4)	**1.00 x 0.34 (25.4 x 8.6)**	Self-Laminating Polyester	Brown	L	PLL-11-YBR3-2.5	70

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Self-Laminating Labels by Size (cont.)

Label Size Width x Length In. (mm)	Print-On Area Size Width x Length In. (mm)	Material	Print-On Area Color	Print Method*	Part Number	Page No.
1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.6)	Self-Laminating Polyester	Green	L	PLL-11-Y3G-2.5	70
1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.6)	Self-Laminating Polyester	Gray	L	PLL-11-Y3IG-2.5	70
1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.6)	Self-Laminating Polyester	Orange	L	PLL-11-Y3OR-2.5	70
1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.6)	Self-Laminating Polyester	Purple	L	PLL-11-Y3PR-2.5	70
1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.6)	Self-Laminating Polyester	Red	L	PLL-11-Y3RD-2.5	70
1.00 x 1.00 (25.4 x 25.4)	1.00 x 0.34 (25.4 x 8.6)	Self-Laminating Polyester	Yellow	L	PLL-11-Y3YL-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	White	L	PLL-12-Y3-1	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	White	L	PLL-12-Y3-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Blue	L	PLL-12-Y3-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Brown	L	PLL-12-Y3B-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Green	L	PLL-12-YBR3-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Gray	L	PLL-12-Y3G-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Orange	L	PLL-12-Y3IG-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Purple	L	PLL-12-Y3OR-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Red	L	PLL-12-Y3PR-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	Yellow	L	PLL-12-Y3RD-2.5	70
1.00 x 1.33 (25.4 x 33.8)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyester	White	L	PLL-39-Y3-1	70
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR ▲	White	DM	PDL-54	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Blue/White	DM	PDL-54B	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Brown/White	DM	PDL-54BR	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Green/White	DM	PDL-54G	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Gray/White	DM	PDL-54GR	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Orange/White	DM	PDL-54OR	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Purple/White	DM	PDL-54PR	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Red/White	DM	PDL-54R	108
1.00 x 1.38 (25.4 x 34.9)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating TEDLAR	Yellow/White	DM	PDL-54Y	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Polyolefin	White	DM	PDL-2VF	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	White	DM	PDL-2-1	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	White	DM	PDL-2-10	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	White	DM	PDL-2	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Blue/White	DM	PDL-2B	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Brown/White	DM	PDL-2BR	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Green/White	DM	PDL-2G	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Gray/White	DM	PDL-2GR	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Orange/White	DM	PDL-2OR	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Purple/White	DM	PDL-2PR	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Red/White	DM	PDL-2R	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	Yellow/White	DM	PDL-2Y	108
1.00 x 1.44 (25.4 x 36.5)	1.00 x 0.62 (25.4 x 15.8)	Self-Laminating Vinyl	White	DM	PDL-9025-10	108
1.00 x 1.50 (25.4 x 38.1)	1.00 x 0.50 (25.4 x 12.7)	Self-Laminating Vinyl	White	TT	TTSL2VC3-10	44
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Polyolefin	White	DM	PDL-4VF	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	White	DM	PDL-56	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Blue/White	DM	PDL-56B	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Brown/White	DM	PDL-56BR	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Green/White	DM	PDL-56G	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Gray/White	DM	PDL-56GR	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Orange/White	DM	PDL-56OR	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Purple/White	DM	PDL-56PR	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Red/White	DM	PDL-56R	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating TEDLAR	Yellow/White	DM	PDL-56Y	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-4-10	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-4	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Blue/White	DM	PDL-4B	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Brown/White	DM	PDL-4BR	108

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▲TEDLAR is a registered trademark of E.I DuPont Co.

Self-Laminating Labels by Size (cont.)

Label Size Width x Length In. (mm)	Print-On Area Size Width x Length In. (mm)	Material	Print-On Area Color	Print Method*	Part Number	Page No.
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Green/White	DM	PDL-4G	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Gray/White	DM	PDL-4GR	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Orange/White	DM	PDL-4OR	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Purple/White	DM	PDL-4PR	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Red/White	DM	PDL-4R	108
1.00 x 2.44 (25.4 x 61.9)	1.00 x 0.75 (25.4 x 19.1)	Self-Laminating Vinyl	Yellow/White	DM	PDL-4Y	108
1.00 x 2.44 (25.4 x 62.0)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	White	TT	TTSL4VC3-5	44
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	White	L	PEL-19-Y3-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Blue	L	PEL-19-Y3-BLU-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Brown	L	PEL-19-Y3-BRN-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Green	L	PEL-19-Y3-GRN-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Gray	L	PEL-19-Y3-GRY-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Orange	L	PEL-19-Y3-ORN-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Purple	L	PEL-19-Y3-PUR-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Red	L	PEL-19-Y3-RED-1	71
1.00 x 2.67 (25.4 x 67.7)	1.00 x 0.67 (25.4 x 16.9)	Self-Laminating Polyester	Yellow	L	PEL-19-Y3-YEL-1	71
1.00 x 3.17 (25.4 x 80.5)	1.00 x 0.97 (25.4 x 24.6)	Self-Laminating Polyester	White	L	PLL-13-Y3-1	70
1.00 x 3.17 (25.4 x 80.5)	1.00 x 0.97 (25.4 x 24.6)	Self-Laminating Polyester	White	L	PLL-13-Y3-D	70
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR ▲	White	DM	PDL-58	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Blue/White	DM	PDL-58B	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Brown/White	DM	PDL-58BR	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Green/White	DM	PDL-58G	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Gray/White	DM	PDL-58GR	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Orange/White	DM	PDL-58OR	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Purple/White	DM	PDL-58PR	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Red/White	DM	PDL-58R	109
1.00 x 3.87 (25.4 x 98.3)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating TEDLAR	Yellow/White	DM	PDL-58Y	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Polyolefin	White	DM	PDL-6VF	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	White	DM	PDL-6-10	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	White	DM	PDL-6-2.5	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	White	DM	PDL-6	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Blue/White	DM	PDL-6B	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Brown/White	DM	PDL-6BR	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Green/White	DM	PDL-6G	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Gray/White	DM	PDL-6GR	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Orange/White	DM	PDL-6OR	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Purple/White	DM	PDL-6PR	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Red/White	DM	PDL-6R	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	Yellow/White	DM	PDL-6Y	109
1.00 x 3.94 (25.4 x 100.1)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Vinyl	White	TT	TTSL6V3-2.5	44
1.00 x 5.45 (25.4 x 138.4)	1.00 x 1.00 (25.4 x 25.4)	Self-Laminating Polyester	White	L	PLL-38-Y3-1	70
1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-123	109
1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-95	109
1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-124	109
1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-124-10	109
1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-124-2.5	109
1.00 x 5.94 (25.4 x 150.9)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-51	109
1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-125	109
1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-96	109
1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-126	109
1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-126-10	109
1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-52	109
1.00 x 7.44 (25.4 x 189.0)	1.00 x 1.50 (25.4 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-52-2.5	109
1.13 x 3.75 (28.6 x 95.3)	1.13 x 1.25 (28.6 x 31.8)	Self-Laminating Vinyl	White	DM	PDL-5859-1	109

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▲TEDLAR is a registered trademark of E.I DuPont Co.

Self-Laminating Labels by Size (cont.)

Label Size Width x Length In. (mm)	Print-On Area Size Width x Length In. (mm)	Material	Print-On Area Color	Print Method*	Part Number	Page No.
1.13 x 3.75 (28.6 x 95.3)	1.13 x 1.25 (28.6 x 31.8)	Self-Laminating Vinyl	Yellow	DM	PDL-5859-3	109
1.17 x 3.00 (29.6 x 76.2)	1.17 x 0.83 (29.6 x 21.2)	Self-Laminating Vinyl	White	DM	CCS-WHT	109
1.17 x 3.00 (29.6 x 76.2)	1.17 x 0.83 (29.6 x 21.2)	Self-Laminating Vinyl	Yellow	DM	CCS-YEL	109
1.20 x 2.25 (30.5 x 57.2)	1.20 x 0.60 (30.5 x 15.2)	Self-Laminating Vinyl	White	DM	PDL-6626-10	109
1.20 x 2.67 (30.5 x 67.7)	1.20 x 0.83 (30.5 x 21.2)	Self-Laminating Polyester	White	L	PEL-20-Y3-1	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	White	L	PEL-21-Y3-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Blue	L	PEL-21-Y3-BLU-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Brown	L	PEL-21-Y3-BRN-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Green	L	PEL-21-Y3-GRN-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Gray	L	PEL-21-Y3-GRY-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Orange	L	PEL-21-Y3-ORN-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Purple	L	PEL-21-Y3-PUR-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Red	L	PEL-21-Y3-RED-0.5	71
1.40 x 3.67 (35.6 x 93.1)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	Yellow	L	PEL-21-Y3-YEL-0.5	71
1.40 x 5.50 (35.6 x 140.0)	1.40 x 1.00 (35.6 x 25.4)	Self-Laminating Polyester	White	L	PEL-22-Y3-0.5	71
1.50 x 2.25 (38.1 x 57.2)	1.50 x 0.50 (38.1 x 12.7)	Self-Laminating Vinyl	White	DM	PDL-3523-1	109
1.50 x 3.63 (38.1 x 92.1)	1.50 x 0.80 (38.1 x 20.3)	Self-Laminating Vinyl	White	DM	PDL-361-1	109
1.80 x 5.50 (45.7 x 140.0)	1.80 x 1.17 (45.7 x 29.6)	Self-Laminating Polyester	White	L	PEL-23-Y3-0.5	71
1.88 x 3.17 (47.6 x 80.5)	1.88 x 0.97 (47.6 x 24.6)	Self-Laminating Polyester	White	L	PLL-37-Y3-1	70
1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	Self-Laminating TEDLAR ▲	White	DM	PDL-108	110
1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	Self-Laminating TEDLAR	White	DM	PDL-64	110
1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-109	110
1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-109-2.5	110
1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-18	110
1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-18-10	110
1.90 x 3.19 (48.3 x 81.0)	1.90 x 0.75 (48.3 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-18-2.5	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	White	DM	PDL-55	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Blue/White	DM	PDL-55B	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Brown/White	DM	PDL-55BR	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Green/White	DM	PDL-55G	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Gray/White	DM	PDL-55GR	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Orange/White	DM	PDL-55OR	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Purple/White	DM	PDL-55PR	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Red/White	DM	PDL-55R	110
2.00 x 1.38 (50.8 x 34.9)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating TEDLAR	Yellow/White	DM	PDL-55Y	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Polyolefin	White	DM	PDL-3VF	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	White	DM	PDL-3-1	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	White	DM	PDL-3-10	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	White	DM	PDL-3	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Blue/White	DM	PDL-3B	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Brown/White	DM	PDL-3BR	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Green/White	DM	PDL-3G	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Gray/White	DM	PDL-3GR	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Orange/White	DM	PDL-3OR	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Purple/White	DM	PDL-3PR	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Red/White	DM	PDL-3R	110
2.00 x 1.44 (50.8 x 36.5)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	Yellow/White	DM	PDL-3Y	110
2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Polyester	White	L	PLL-40-Y3-1	70
2.00 x 1.50 (50.8 x 38.1)	2.00 x 0.50 (50.8 x 12.7)	Self-Laminating Vinyl	White	TT	TTSL3VC3-1	44
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Polyolefin	White	DM	PDL-5VF-10	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	White	DM	PDL-57	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	Blue/White	DM	PDL-57B	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	Brown/White	DM	PDL-57BR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	Green/White	DM	PDL-57G	110

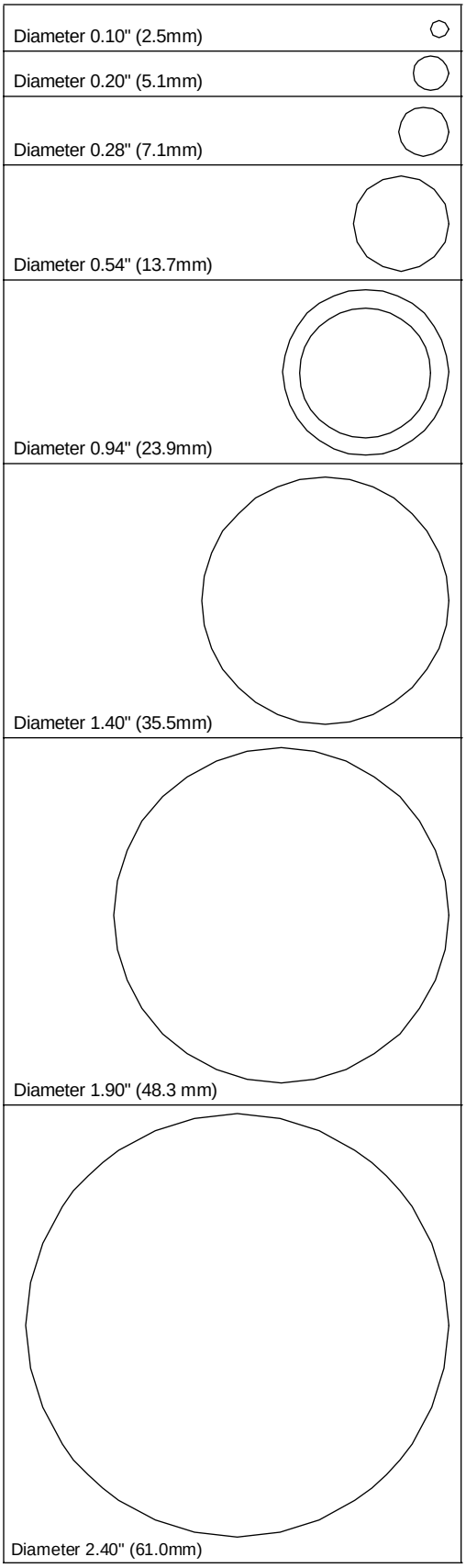
* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

Self-Laminating Labels by Size (cont.)

Label Size Width x Length In. (mm)	Print-On Area Size Width x Length In. (mm)	Material	Print-On Area Color	Print Method*	Part Number	Page No.
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR ▲	Gray/White	DM	PDL-57GR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	Orange/White	DM	PDL-57OR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	Purple/White	DM	PDL-57PR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	Red/White	DM	PDL-57R	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating TEDLAR	Yellow/White	DM	PDL-57Y	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-5-10	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-5-2.5	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	White	DM	PDL-5	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Blue/White	DM	PDL-5B	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Brown/White	DM	PDL-5BR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Green/White	DM	PDL-5G	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Gray/White	DM	PDL-5GR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Orange/White	DM	PDL-5OR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Purple/White	DM	PDL-5PR	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Red/White	DM	PDL-5R	110
2.00 x 2.44 (50.8 x 61.9)	2.00 x 0.75 (50.8 x 19.1)	Self-Laminating Vinyl	Yellow/White	DM	PDL-5Y	110
2.00 x 3.17 (50.8 x 80.5)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Polyester	White	L	PLL-21-Y3-1	70
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	White	DM	PDL-59-10	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	White	DM	PDL-59	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Blue/White	DM	PDL-59B	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Brown/White	DM	PDL-59BR	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Green/White	DM	PDL-59G	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Gray/White	DM	PDL-59GR	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Orange/White	DM	PDL-59OR	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Purple/White	DM	PDL-59PR	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Red/White	DM	PDL-59R	111
2.00 x 3.87 (50.8 x 98.3)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating TEDLAR	Yellow/White	DM	PDL-59Y	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Polyolefin	White	DM	PDL-7VF	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	White	DM	PDL-7-10	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	White	DM	PDL-7-2.5	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	White	DM	PDL-7	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	Blue/White	DM	PDL-7B	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	Green/White	DM	PDL-7G	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	Red/White	DM	PDL-7R	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	Yellow/White	DM	PDL-7Y	111
2.00 x 3.94 (50.8 x 100.1)	2.00 x 1.00 (50.8 x 25.4)	Self-Laminating Vinyl	White	TT	TTSL7VC3-1	44
2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-134	111
2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-62	111
2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-133	111
2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-16	111
2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-16-10	111
2.00 x 5.94 (50.8 x 150.9)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-16-2.5	111
2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-116	111
2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating TEDLAR	White	DM	PDL-63	111
2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-115	111
2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-115-2.5	111
2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-17	111
2.00 x 7.44 (50.8 x 189.0)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-17-2.5	111
2.00 x 9.00 (50.8 x 228.6)	2.00 x 1.50 (50.8 x 38.1)	Self-Laminating Vinyl	White	DM	PDL-362-1	111

* DM = Dot-Matrix, IJ = Ink Jet, L = Laser, TT = Thermal Transfer
▲TEDLAR is a registered trademark of E.I DuPont Co.

To use this guide, place your wire or cable in the appropriate circle to determine wire outside diameter



The charts below indicate the approximate cable outside diameter of various electrical and communication cables.

Electrical Cables

	Approx. Wire Outside Diameter In. (mm)			
Size	**TF**	**THW**	**TW**	**TFN / THHN / THWN**
18 AWG	0.11 (2.8)	0.11 (2.8)	0.11 (2.8)	0.09 (2.3)
16 AWG	0.12 (3.0)	0.12 (3.0)	0.12 (3.0)	0.10 (2.5)
14 AWG	0.13 (3.3)	0.16 (4.1)	0.16 (4.1)	0.10 (2.5)
12 AWG	0.15 (3.8)	0.18 (4.6)	0.18 (4.6)	0.12 (3.0)
10 AWG	0.17 (4.3)	0.20 (5.1)	0.20 (5.1)	0.15 (3.8)
8 AWG	0.24 (6.1)	0.28 (7.1)	0.28 (7.1)	0.22 (5.6)
6 AWG	0.32 (8.1)	0.32 (8.1)	0.32 (8.1)	0.26 (6.6)
4 AWG	0.37 (9.4)	0.37 (9.4)	0.37 (9.4)	0.33 (8.4)
3 AWG	0.40 (10.2)	0.40 (10.2)	0.40 (10.2)	0.36 (9.1)
2 AWG	0.43 (10.9)	0.43 (10.9)	0.43 (10.9)	0.39 (9.9)
1 AWG	0.51 (12.9)	0.51 (12.9)	0.51 (12.9)	0.45 (11.4)
1/0	0.55 (14.0)	0.55 (14.0)	0.55 (14.0)	0.49 (12.4)
2/0	0.59 (15.0)	0.59 (15.0)	0.59 (15.0)	0.54 (13.7)
3/0	0.65 (16.5)	0.65 (16.5)	0.65 (16.5)	0.59 (15.0)
4/0	0.70 (17.8)	0.70 (17.8)	0.70 (17.8)	0.65 (16.5)
250 MCM	0.79 (20.1)	0.79 (20.1)	0.79 (20.1)	0.72 (18.3)
300 MCM	0.84 (21.3)	0.84 (21.3)	0.84 (21.3)	0.77 (19.6)
350 MCM	0.89 (22.6)	0.89 (22.6)	0.89 (22.6)	0.82 (20.8)
400 MCM	0.94 (23.9)	0.94 (23.9)	0.94 (23.9)	0.87 (22.1)
500 MCM	1.03 (26.2)	1.03 (26.2)	1.03 (26.2)	0.95 (24.1)
600 MCM	1.14 (29.0)	1.14 (29.0)	1.14 (29.0)	1.06 (26.9)
700 MCM	1.21 (30.7)	1.21 (30.7)	1.21 (30.7)	1.13 (28.7)
750 MCM	1.25 (31.8)	1.25 (31.8)	1.25 (31.8)	1.16 (29.5)
800 MCM	1.28 (32.5)	1.28 (32.5)	1.28 (32.5)	1.20 (30.5)
900 MCM	1.34 (34.0)	1.34 (34.0)	1.34 (34.0)	1.26 (32.0)
1000 MCM	1.40 (35.6)	1.40 (35.6)	1.40 (35.6)	1.32 (33.5)
1250 MCM	1.58 (40.1)	1.58 (40.1)	1.58 (40.1)	
1500 MCM	1.70 (43.2)	1.70 (43.2)	1.70 (43.2)	
1750 MCM	1.82 (46.2)	1.82 (46.2)	1.82 (46.2)	
2000 MCM	1.92 (48.8)	1.92 (48.8)	1.92 (48.8)	

Category 3 and Category 5 Cable

	Category 3	Category 5			
Size	**Voice Grade 24 AWG UTP**	**Data Grade 24 AWG UTP**	**Data Grade 24 AWG STP**	**Data Grade 22 AWG UTP**	**Data Grade 22 AWG STP**
2 Pair	0.12 (3.0)				
3 Pair	0.15 (3.8)				
4 Pair	0.19 (4.8)	0.22 (5.6)	0.25 (6.3)	0.23 (5.8)	0.29 (7.4)
25 Pair		0.42 (10.7)	0.51 (12.9)	0.54 (13.7)	0.63 (16.0)
50 Pair	0.46 (11.7)	0.66 (16.8)			
100 Pair	0.63 (16.0)	0.96 (24.4)			
300 Pair	1.07 (27.2)				

Coaxial Cable

Size	Coax
RG58/u	0.19 (4.8)
RG59/u	0.24 (6.1)
RG62A/u	0.24 (6.1)
RG6/u	0.27 (6.8)
RG11/u	0.40 (10.2)

Fiber Optic Distribution (62.5/125)

Size	Non-Plenum	Plenum
6 Strand	0.26 (6.6)	0.18 (4.6)
8 Strand	0.27 (6.9)	0.18 (4.6)
12 Strand	0.28 (7.1)	0.21 (5.3)
18 Strand	0.49 (12.4)	0.47 (11.9)
24 Strand	0.54 (13.7)	0.52 (13.2)
36 Strand	0.54 (13.7)	0.52 (13.2)
48 Strand	0.59 (15.0)	0.56 (14.2)
72 Strand	0.72 (18.3)	0.71 (18.0)

Part Number	Page
BT1.5I-C through BT4I-C	154
CCS-WHT	109
CCS-YEL	109
CORD-S	8
CPPLF-5	68
CPPLF-5*	68
DS110	67
DS110-*	67
EFPL-1	100
EFPL-*-1	100
EFPL10-1	100
EFPL10-*-1	100
EFPT-1	69
EFPT10-1	69
HLT2I-X0 through HLT3I-X0	152
HLM-15R0	152
HSDL9-*	122
HSG-***	123
HSTT-**	153
HTDU-**	155
HTU-**	155
JL2Y-10	55
JL3C-10	55
JL3Y-10	55
JL4Y-10	55
JL5Y-10	55
JL7P-10	55
JL7PO-10	55
JL7Y-10	55
JL8C-10	55
JL8P-10	55
JL8PO-10	55
JL8Y-10	55
JL9C-10	55
JL9P-10	55
JL9PO-10	55
JL9Y-10	55
JL10C-5	55
JL10P-5	55
JL10Y-5	55
JL12P-5	55
JL12Y-5	55
JL14C-10	55
JL14PO-10	55
JL14Y-10	55
JL15Y-10	55
JL16PO-2.5	55
JL16Y-5	55
JL17P-2.5	56
JL17PO-1	56
JL17PO-2.5	56
JL17Y-2.5	56
JL18PO-1	56
JL19PO-1	55
JL19Y-2.5	55
JL22PO-1	56
JL23PO-1	55
JL24PO-5	55
JL25P-SH	56
JL25Y-SH	56
JL32C-10	55
JL32Y-10	55
JL33C-5	56
JL33PO-2.5	56
JL33Y-5	56
JL35C-2.5	55
JL35P-2.5	55
JL35PO-2.5	55
JL35Y-2.5	55
JL41PO-0.5	56
JL42PO-1	56
JL111C-5	55
JL111Y-5	55
JL172P-10	55
JL172Y-10	55
JL274Y-10	55
JL287Y-10	55
JL412PO-1	56
JL900C-2.5	56
JL901C-5	55
JL901PO-5	55
JL901Y-5	55
JL902P-2.5	56
JL902Y-2.5	56
JL903P-0.5	56
JLCPL-1	55
JLEFPD-1	55
JLEFPS-1	56
JSL***	54
JT1	54
JT500	54
JT600	54
JTK	54
L3PCM**	8
L3PL3CL through WH	152
LC-1 through LC-11	10
LC-14 through LC-15	11
LC-38 through LC-41	11
LHS12W*	45
LHS12Y*	45
LHS18W*	45
LHS18Y*	45
LHS25W*	45
LHS25Y*	45
LHS50W*	45
LHS50Y*	45
LHS100W*	45
LHS100Y*	45
LHSW-*	10
LHSY-*	10
LL2561-***	75
LL256138-100	75
LL25615-100G	75
LL42513-100G	75
LL4252-100G	75
LL425275-250	75
LL8511-100	75
LS3-BS	8
LS3-CASE	8
LS3-RIB	7
LS3E	7
LS3EA	8
LS3EACS	7
LS3EAK-S	7
LS3EAP	7
LS3EC-S	7
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For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

The *PAN-WAY*™ Line

The universal non-metallic surface raceway and surface mount outlet box line that accommodates communication outlets made by most manufacturers and that also accommodates all standard U.S. Electrical outlets and a number of international electrical outlets.

The method of choice for Data-Com installations!

Non-metallic surface raceway has become the method of choice for Data-Com installations because of its many advantages:

- Low installed cost
- High density of outlets
- Accessibility
- Ease of modifications and additions
- Bend radius control
- Good appearance

Applications Include *(but not limited to)*:

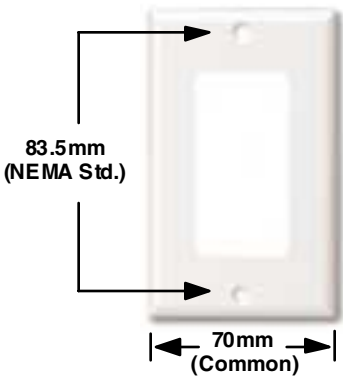
- schools and universities
- office environments
- laboratories
- training centers
- libraries
- customer service areas
- manufacturing facilities

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Solutions for "total flexibility"

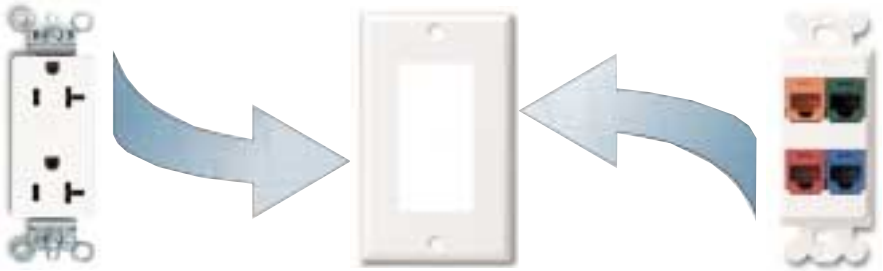
Other raceway systems use non-standard faceplates or frames designed to tie in a specific proprietary connectivity solution, limiting your connectivity choice. Panduit Raceway Systems are designed around NEMA (70mm) Standard Faceplates, the same faceplates used for in-wall applications. This provides you "total flexibility" when making your connectivity choice.

NEMA Standard Solutions



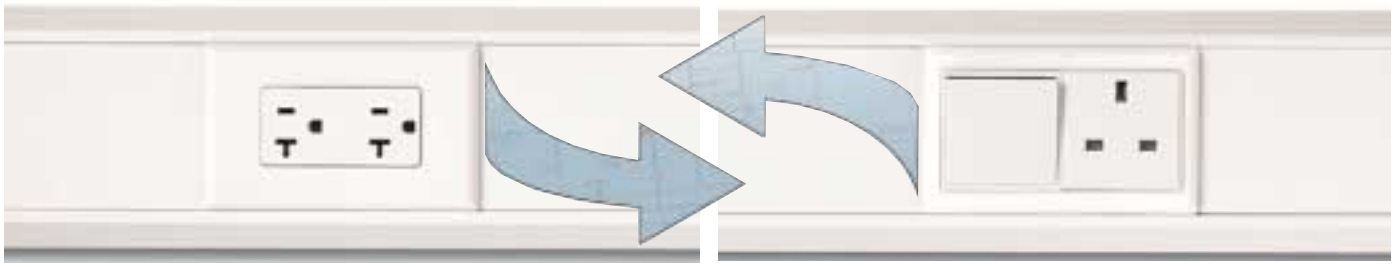
Standard solutions use electrical and communication outlets and faceplates that meet the required NEMA (70mm) standard. They are universal because every U.S. Manufacturer must meet this standard to provide in-wall outlets and faceplates.

U.S. Electrical faceplates have been made to NEMA (70mm) specifications for years. Data-Com faceplates for the U.S. typically match the U.S. Electrical faceplates in size and appearance. In addition, most Data-Com manufacturers provide module frames which adapt standard NEMA (70mm) electrical faceplates to mount their communications modules.



Global Electrical Outlet Solutions

Data-Com is common worldwide, however, electrical outlets and faceplates are not (i.e. standards vary). This problem has been solved by the ***PAN-WAY***™ line which provides international electrical outlets in faceplates that match the U.S. Electrical and Data-Com faceplates in size and appearance. The result is that the ***PAN-WAY*** line is universal in the U.S. and internationally. (Note: A ***WORKSTATION OUTLET CENTER***™ offset box is required for German outlets). It can also be used for the installation of Data-Com modules from virtually any source.



U.S. Style

International Style (UK shown)

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Faceplates

Various ***PAN-WAY***™ surface raceways and surface mount outlet boxes and ***PAN-POLE***™ Outlet Poles accommodate the following faceplates:

1. *PAN-WAY* Snap-On Electrical/Communication Faceplates

These match standard NEMA (70mm) faceplates, however, they snap-on instead of screw-on.

The electrical faceplates accommodate standard NEMA (70mm) 106 and rectangular duplex electrical outlets.

These same faceplates accommodate communication outlets made by most manufacturers when used in conjunction with module frames which they provide to adapt their communication outlets to standard faceplates.

The module frame is screw mounted to the box or raceway mounting frame and this faceplate is snapped over it.

PAN-WAY Snap-On Faceplates	***PAN-WAY*** Electrical Outlets	Communication Module Frames
See *page A3*	See *page A4*	See *page vii* for list of compatible frames

2. *PAN-WAY* Snap-On Communication Faceplates with Screw Holes to Mount a Module Frame

These are identical to ***PAN-WAY*** Snap-On Electrical/Communication faceplates, however, they have screw holes to mount any manufacturers' module frames to these faceplates which eliminates the need for mounting frames for certain raceway applications such as T-70 and Twin-70.

PAN-WAY Snap-On Faceplates	Communication Module Frames
with Screw Holes	
See *page A3*	See *page vii* for list of compatible frames

3. U.S. Standard Screw-On Electrical/Communication Faceplates

Standard electrical/communication faceplates match standard NEMA (70mm) faceplates. These accommodate all the same electrical and/or communication outlets and module frames as ***PAN-WAY*** Snap-On Faceplates.

Some ***PAN-WAY*** surface mount outlet boxes accommodate only screw-on faceplates. ***PAN-WAY*** screw-on electrical/communication faceplates match ***PAN-WAY*** Snap-On electrical/communication faceplates in appearance and are recommended for such applications.

Most Data-Com manufacturers supply NEMA (70mm) standard screw-on faceplates and they can be used anywhere ***PAN-WAY*** snap-on or screw-on electrical/communication faceplates are used.

PAN-WAY Screw-On Faceplates	***PAN-WAY*** Electrical Outlets	Communication Module Frames
See *page A3*	See *page A4*	See *page vii* for list of compatible frames

4. U.S. Standard Screw-On Communication Faceplates

Standard communication faceplates that match standard NEMA (70mm) faceplates are supplied by any manufacturer for their communication modules. These include ***PAN-NET*** ™ and ***PAN-WAY*** ™ Communication Products Screw-On communication faceplates made by Panduit.

PAN-WAY **Screw-On Communication Faceplates for Panduit** ***PAN-NET*** **Modules**

Other styles available

5. Panduit® Snap-On Communication Faceplates

PAN-NET style snap-on faceplates accommodate communication modules made by Panduit without the need for module frames.

PAN-WAY Communication Products style snap-on faceplates accommodate communication modules made by Panduit without the need for module frames.

Snap-On Communications Faceplates for Panduit ***PAN-NET*** and ***PAN-WAY*** **Communication Modules**

NOTE: Refer to ***PAN-NET*** Communication Catalog (SA101N152E-OP) for information on our complete line of ***PAN-NET*** Faceplates and Modules.
PAN-WAY General Purpose Standard "Keystone" Communication Modules and Faceplates (SA101N435-OP—Available 4th Quarter 1999).

6. International Faceplates

In addition to the above, Panduit provides:
Electrical faceplates and international electrical outlets that match the NEMA (70mm) faceplates in size and appearance and mount on various ***PAN-WAY*** surface raceways and surface mount outlet boxes.

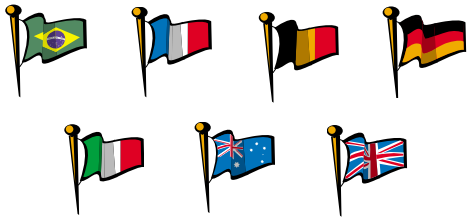
PAN-WAY **International Faceplates**

Brazil **France** **Italy** **UK** **Australia** **Germany**

See *page A5* **thru** *A7*

Faceplates

Various ***PAN-WAY***™ surface raceways, surface mount outlet boxes and ***PAN-POLE***™ Outlet Poles accommodate the following faceplates:

Faceplate	Description	Works With	
PAN-WAY **Snap-On Electrical/Communication Faceplates**			
1	• Accommodate electrical/communication outlets • Snap over outlet or module frame when mounted to a raceway channel or a ***FAST-SNAP***™ Surface Mount Outlet Box	**Most Mfg. Standard Electrical Outlets**	**Most Mfg. Communication Module Frames** **See Column A or B next page**
PAN-WAY **Snap-On Communication Faceplates (with screw holes to mount a module frame)**			
2	• Accommodate communication outlets • Outlet attaches **directly** to faceplate which snaps on a raceway channel or on a ***FAST-SNAP*** Surface Mount Outlet Box	**Most Manufacturers' Communication Module Frames** **See Column A or B next page**	
PAN-WAY **U.S. Standard Screw-On Electrical/Communication Faceplates**			
3	• Accommodate electrical/communication outlets • Screw mount over outlet or module frame when mounted to a surface mount outlet box or raceway mounting bracket or box	**Most Mfg. Standard Electrical Outlets**	**Most Mfg. Communication Module Frames** **See Column A or B next page**
U.S. Standard Screw-On Communication Faceplates			
4	• Standard communication faceplates that match standard NEMA (70mm) Faceplates supplied by any manufacturer for their communication modules • These include ***PAN-NET*** and ***PAN-WAY***™ Screw-On Communication Faceplates made by Panduit	**Standard Manufacturers' Faceplate & Modules**	
PAN-WAY **International Electrical Faceplates**			
	• Electrical faceplates and international electrical outlets that match the NEMA (70mm) Faceplates in size and appearance and mount on various ***PAN-WAY*** Surface Raceways and Surface Mount Outlet Boxes	 **See *page A5* thru *A7***	

NOTE: See the "configuration pages" in each section of this catalog for detailed information on how to complete a termination using the solutions shown above.

Communication Module Frames Compatible with *PAN-WAY*™ Electrical/Communication Faceplates for *PAN-WAY* Surface Raceway and *PAN-POLE*™ Outlet Poles

Panduit® and Other Manufacturers' Module Frame Part Numbers

MANUFACTURER	A Module Frames for use with **106 Style** Electrical/Communication Faceplates	B Module Frames for use with **Rectangular** Electrical/Communication Faceplates
Panduit *PAN-NET*	CF1064**	CFG1**, CFG2**, CFG4**
Lucent Technologies	M106FR2, M106FR4	M108FR3
Amp	558302-*	558321-*
Hubbell	106 DUPLEX SERIES: BR106*, BR106***	STYLINE SERIES: FSL244*, FSL244**, FSL344*, FSL344**
Krone	6644 1 106-** 6644 1 107-**	N/A
Leviton	41070-***, 41071-***, 41072-***, 41087-***	40850**, 41642-*, 41666-*, 41688-*, 41658-*, 41668-*
Mod-Tap	11.B008, 11.B029	11.B034, 11.B030
Nordx/CDT	MDVO 106 Adapters: NXMAA2-0* (AX10030*) NXMAA4-0* (AX10031*)	MDVO Deco Adapter: QNE4AG(10*)(A040965*)
Ortronics	OR-62850001-**, OR-62850002-**, up to OR-62850024-**	OR-63650001-**, OR-63650002-**, up to OR-63650024-**
Siemon	MX-E2A-**, MX-E2F-**, MX-E4A-**, MX-E4F-**	MX-D1-**, MX-D2-**, MX-D4-**

Contact Panduit for other manufacturers not shown above.
"*" Designates a color option.

PAN-WAY Electrical/Communication Faceplates are compatible with the current design of all of the frames listed; however, it is the customer's responsibility to confirm the current suitability of any particular faceplate/frame combination.

The *PAN-POLE*™ Outlet Pole Line

Accepts the same 70mm cover as surface raceway. Aluminum Outlet Poles for power and communications in an open office environment. These accommodate the same power and communication outlets and faceplates as the ***PAN-WAY***™ line, however, compliance with local specifications must be checked for international installations.

The *FIBER-DUCT*™ Routing System

For routing cabling to and from racks and other cable managers within the closet, Panduit features the ***FIBER-DUCT*** Routing System. The system has two sizes, 2" x 2" and 4" x 4" with fittings that maintain a minimum 2" bend radius. The product is available in a number of colors to code the type of cable being routed. There is a full line of mounting brackets available.

Tips for Selecting a Surface Raceway

How to select a *PAN-WAY*™ Surface Raceway:

1. Determine the cabling systems to be routed: Data Only, Power Only or Both Power & Data

Low Voltage (Data) Raceway Systems	Power Rated Raceway Systems	Multichannel Raceway Systems (Route Power & Data)
Any ***PAN-WAY*** Surface Raceway System can be used for routing low voltage cabling, however if some cables have bend radius limitations the proper raceway fittings must be used.	LDP, LD2P, LDS, PD, Twin-70, T-70, T105, T130, T170, T3, TE70	LD2P, Twin-70, T-70, T105, T130, T170, T3, TE70

2. Consider the special requirements of the cable type used:

UTP Category 5 cabling: Per the TIA/EIA specification, UTP Category 5 cabling must maintain a cable bend radius of 1" (4 times the cable outside diameter.)

Raceway Systems with 1" Bend Radius Fittings
Twin-70, T-70, any LD Profile raceway using 1" Bend Radius Fittings

The symbol at left is used throughout this catalog to indicate a system fitting that maintains the minimum 1" bend radius for Category 5 and fiber optic cabling.

Fiber Optic Cabling: For the special handling requirements of Fiber Optic Cabling see the explanation on the next page.

The Panduit ***PAN-WAY*** Surface Raceway Systems listed are part of the ***FIBER-SPEC***™ System optimized for routing fiber optic cabling:

- Twin-70 Raceway System
- T-70 Raceway System
- LDP Raceway System
- LD2P Raceway System

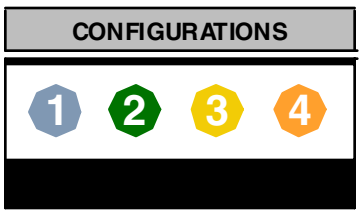
3. Compare the cable diameter (s) and number of cables to be routed with the raceway fill capacity tables provided:

These tables are located in the back of each raceway section in this catalog.
SPEC: Use this number when specifying a new surface raceway system.
MAX: The maximum number of cables that can be accommodated within the specified raceway channel.

(T-70 Cat5 fills)

Data Grade Cables			
24 AWG UTP CM			
25 pr		**Cat. 5** 4 pr	
DIA.=0.422		DIA.=0.217	
FILL		FILL	
SPEC	MAX	SPEC	MAX
15	22	56	84

4. Find a Termination Configuration to meet your requirements:



Each section contains a configuration section which calls out the components required to terminate each of the solutions shown in the chart on page vi. Look for the color coded numbers to quickly identify the solution.

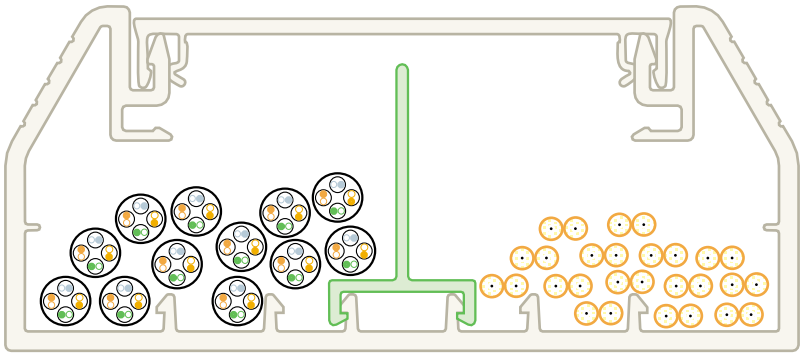
Fiber Optic Cabling

Panduit has identified the following criteria, based on the TIA/EIA standards and good cabling practices, which should be taken into consideration when selecting a raceway system to route fiber optic cabling:

FIBER-SPEC™

- **Must provide security and segregation**
- **Must provide bend radius protection for the cabling**
- **Must provide the installer with access to 1 meter of fiber optic cabling**

Must provide security and segregation

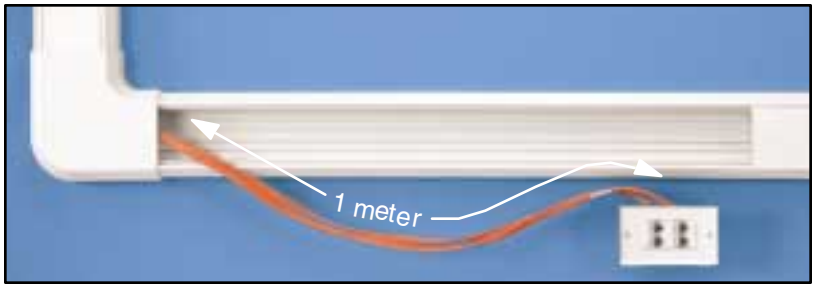


- Installation of divider wall maintains separated security for fiber cables.

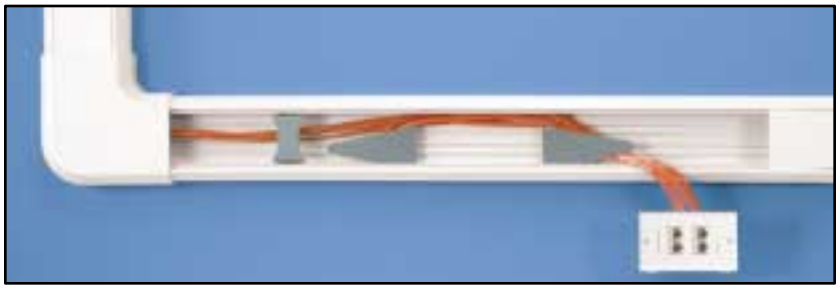
Must provide bend radius protection for the cabling

- Panduit ***FIBER-SPEC***™ Raceway Systems all maintain minimum 1" bend radius control throughout system.

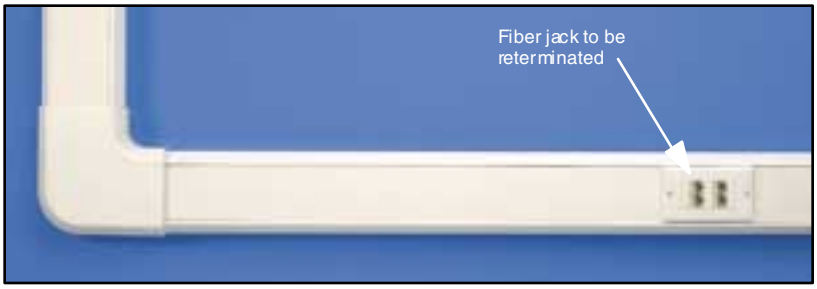
Must provide the installer with access to 1 meter of fiber optic cabling



When cover is not installed, length of cable in raceway is removed to provide access.



If additional length of cable is desired, bend radius controlled storage loop is installed on base of raceway (see *page B20*).



Raceway cover and faceplate are snapped on providing security and segregation.

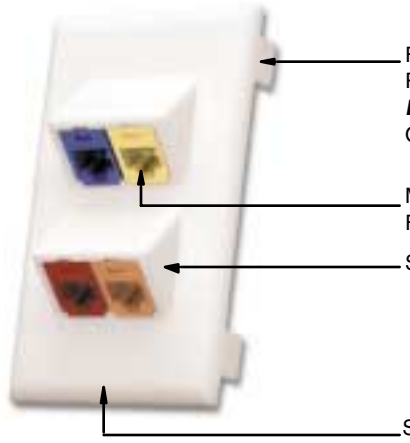
NEW

THE PREFERRED OPTIONS

Available Only From Panduit ®

Integral Snap-On Faceplates

SNAP-ON to ***PAN-WAY***™ Surface Raceway and ***FAST-SNAP***™ Surface Mount Outlet Boxes. Communication modules snap directly into faceplate. Available for Panduit ***PAN-NET***™ and ***PAN-WAY*** Communication Modules.



THE ADVANTAGES

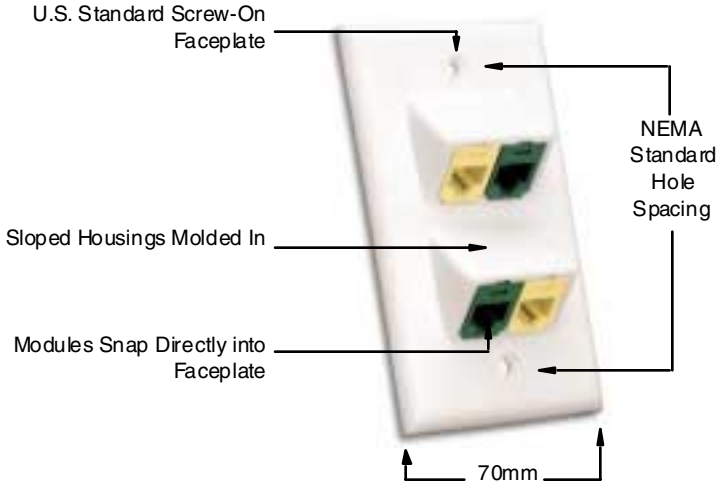
- **INSERTS ARE NOT REQUIRED**
- **MODULE FRAMES ARE NOT REQUIRED***
- **SCREWS ARE NOT REQUIRED**
- **VERSIONS TO ACCEPT *PAN-NET* OR *NEW PAN-WAY* COMMUNICATION MODULES**

Integral Screw-On Faceplates

THE ADVANTAGES

- **INSERTS ARE NOT REQUIRED**
- **MODULE FRAMES ARE NOT REQUIRED***
- **NEMA STANDARD** — **NEMA STANDARD HOLE SPACING AND 70mm WIDTH**
- **VERSIONS TO ACCEPT *PAN-NET* OR *NEW PAN-WAY* COMMUNICATION MODULES**

SCREW-ON to ***PAN-WAY*** Surface Raceway and ***FAST-SNAP*** Surface Mount Outlet Boxes. Communication modules snap directly into faceplate. Available for Panduit ***PAN-NET*** and ***PAN-WAY*** Communication Modules.



	SEE CATALOG
Panduit ***PAN-WAY*** General Purpose Standard "Keystone" Communication Modules and Faceplates (Available 4th quarter)	SA101N435-OP
Panduit ***PAN-NET*** Specification Grade Communication Modules and Faceplates	SA101N152E-OP

*NOTE: Module frames are available for Panduit ***PAN-NET*** communication modules, however, they are not recommended. Integral snap-on faceplates which are available for these communication modules are a superior solution because no module frame is required and all screws are eliminated.

NOTES

Surface Raceway Products

PAN-WAY™ Faceplates and Electrical Outlets

PAN-WAY Faceplates and Electrical Outlets are available to mount, conceal and terminate power and communications with **PAN-WAY** Plastic Surface Raceway and surface mount outlet boxes.

All are available in colors to match and complement the raceway and surface mount outlet boxes.

Faceplates

- U.S. Standard Screw-On Electrical/Communication Faceplates
- New **PAN-WAY** Snap-On Faceplates available for electrical/communication applications
- All electrical/communication faceplates are UL 5A Listed to 600V and CSA Certified to 300V
- Available in 4 standard colors
- Select styles available in up to 7 colors

Electrical Outlets

- Standard electrical devices
- Available styles:
  20A 106 Duplex
  20A Rectangular
  TVSS Rectangular
  GFCI Rectangular
- New 20A Low Profile Surface Mount Outlet Boxes include box and 20A outlet
- Available in 2 colors

INTERNATIONAL OUTLET SOLUTIONS
See *page A5* thru *A7*

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Electrical/Communication Faceplates
(with screw holes for module frames) A3

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PAN-WAY Duplex Screw-On Faceplates A3
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PAN-WAY Electrical Outlets & Low Profile Outlet Boxes

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TVSS Surge Suppression Outlet. A4
GFCI Ground Fault Outlet A4
20A Low Profile, 106 Duplex and Rectangular A4
International Outlets A5-A7

PAN-WAY™ Snap-On Electrical/Communication Faceplates

T70P

T70PG

T70PSIW

T70PGSIW

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang 106 Duplex Electrical/Communication Snap-On Faceplate				
T70PIW	Snap-on faceplate covers one NEMA standard 106 duplex electrical outlet. In communication applications covers one standard 106 communication module frame. *No mounting screws required to install faceplate.*	Off White	1 pc.	10 pcs.
Single Gang Rectangular Electrical/Communication Snap-On Faceplate				
T70PGIW	Snap-on faceplate covers one NEMA standard rectangular electrical outlet. In communication applications covers one rectangular communication module frame. *No mounting screws required to install faceplate.*	Off White	1 pc.	10 pcs.
Single Gang 106 Duplex Communication Snap-On Faceplate* ***(with screw holes to mount a module frame)***				
T70PSIW	Snap-on faceplate covers one NEMA standard 106 duplex module frame. Module frame screw mounts directly to underside of snap-on faceplate. No device bracket needed. Supplied with one mounting screw.	Off White	1 pc.	10 pcs.
Single Gang Rectangular Communication Snap-On Faceplate* ***(with screw holes to mount a module frame)***				
T70PGSIW	Snap-on faceplate covers one NEMA standard rectangular communication module frame. Module frame screw mounts directly to underside of snap-on faceplate. No device bracket needed. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

*Not for use with electrical devices

PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

NEW!

CP106

CP106**-2G

CPG

CPG**-2G

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang 106 Duplex Screw-On Faceplate				
CP106IW	Covers one NEMA standard 106 duplex electrical outlet. In communication applications, covers one standard 106 communication module frame. Supplied with one mounting screw.	Off White	1 pc.	10 pcs.
Double Gang 106 Duplex Screw-On Faceplate				
CP106IW-2G	Covers two NEMA standard 106 duplex electrical outlets. In communication applications, covers two standard 106 communication module frames. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Single Gang Rectangular Screw-On Faceplate				
CPGIW	Covers one NEMA standard rectangular electrical outlet. In communication applications, covers one standard rectangular communication module frame. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Double Gang Rectangular Screw-On Faceplate				
CPGIW-2G	Covers two NEMA standard rectangular electrical outlets. In communication applications, covers two standard rectangular communication module frames. Supplied with four mounting screws.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), RD (Red), BR (Brown) and BL (Black). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

PAN-WAY™ Stainless Steel U.S. Standard Screw-On Electrical/Communication Faceplates

WPS-20

WPS-202

Part Number	Description	Color	Std. Pkg Qty.	Std. Ctn. Qty.
Single Gang 106 Duplex Stainless Steel Faceplate				
WPS-20	Covers one NEMA standard 106 duplex electrical outlet. In communication applications covers one standard 106 communication module frame. Supplied with one mounting screw.	—	1 pc.	10 pcs.
Double Gang 106 Duplex Stainless Steel Faceplate				
WPS-202	Covers two NEMA standard 106 duplex electrical outlets. In communications applications covers two standard 106 module frames. Supplied with two mounting screws.	—	1 pc.	10 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY U.S. Standard Electrical Outlets

Compatible with all PAN-WAY Surface Raceway and Surface Mount Outlet Boxes

NEW!

EDU20**-X

NEW!

ERU20**-X

NEW!

ETU20IW-X

NEW!

EGU20IW-X

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
106 Duplex Electrical Outlet				
EDU20IW-X	20A U.S. style 106 duplex outlet. Supplied with two mounting screws.	Off White	10 pc.	100 pcs.
Rectangular Electrical Outlet				
ERU20IW-X	20A U.S. style rectangular outlet. Supplied with two mounting screws.	Off White	10 pc.	100 pcs.
Rectangular Transient Voltage Surge Suppression Electrical Outlet				
ETU20IW-X	20A TVSS rectangular outlet. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Rectangular Ground Fault Circuit Interrupt Electrical Outlet				
EGU20IW-X	20A GFCI rectangular outlet. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.

106 duplex and rectangular style outlets fit into surface mount outlet boxes, and are compatible with all PAN-WAY Surface Raceways.

◆ All parts listed in Off White color (IW). For Electrical Ivory substitute (EI).

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY™ Surface Mount Outlet Box with 20A Electrical Outlet

NEW!

JBP1MR20

NEW!

JBP1MD20

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Surface Mount Outlet Box with 20A Rectangular Electrical Outlet				
JBP1MR20IW	Two-piece power rated Low Profile Surface Mount Outlet Box. Supplied with 20A U.S. style rectangular electrical outlet.	Off White	1 pc.	10 pcs.
Surface Mount Outlet Box with 20A 106 Duplex Electrical Outlet				
JBP1MD20IW	Two-piece power rated Low Profile Surface Mount Outlet Box. Supplied with 20A U.S. style 106 duplex electrical outlet.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White color (IW). For Electrical Ivory substitute (EI).

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page F6 for detailed information on specific usage with raceways.

PAN-WAY™ Brazilian Standard Electrical Faceplates

NEW!

T70PB

FP1B

FP2BB

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang Snap-On Electrical Faceplate				
T70PBIW	Covers one Brazilian electrical outlet. No screws required to mount faceplate.	Off White	1 pc.	10 pcs.
Single Gang Screw-On Electrical Faceplate				
FP1BIW	Covers one Brazilian electrical outlet. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.
Double Gang Screw-On Electrical Faceplate				
FP2BBIW	Covers two Brazilian electrical outlets. Supplied with two mounting screws.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY French Standard 45X45 Snap-On Faceplate

T70BL2

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
45X45mm Snap-On Electrical/Communication Faceplate (accepts 45X45 modules)				
T70BL2IW	Single gang snap-on electrical/communication faceplate accepts two (2) 45x45mm French power outlet modules or four (4) half size modules.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY™ German Schuko and French/Belgium Electrical Outlets and Faceplates

EID16 EIF16 ESD10

FCFP1P

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
German Schuko Style Electrical Outlet				
EID16AW-X	16A Schuko style outlet. 55mm x 55mm.	Arctic White	10 pcs.	100 pcs.
French/Belgium Style Electrical Outlet				
EIF16AW-X	16A French/Belgium style outlet. 55mm x 55mm.	Arctic White	10 pcs.	100 pcs.
Double Pole Switch				
ESD10AW-X	10A double pole switch	Arctic White	10 pcs.	100 pcs.
Single Gang Faceplate for German Schuko and French/Belgium Standard Electrical Outlets				
FCFP1PAW-X	Single gang faceplate for 55mm x 55mm electrical outlet or switch.	Arctic White	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY DIN Standard Two-Piece Surface Mount Outlet Box

DJBX

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Two-Piece DIN Box				
DJBXAW	Single gang DIN box — base and cover. Conduit breakouts: 25mm, 19mm, 13mm.	Arctic White	1 pc.	10 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY Faceplates and Brackets for Italian Type Electrical Outlets

For T-70, Twin-70, TE-70

T70MDB-X

T70PM

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Mounting Bracket for Italian Type Outlets (for T-70/Twin-70/TE-70 Raceway)*				
T70MDB-X	Bracket accepts VIMAR products (Italy) of the "idea" series. Mounts directly to T-70, Twin-70 or TE-70 raceway.	Gray	10 pcs.	100 pcs.
Italian Type Snap-On Electrical Faceplate*				
T70PMAW-X	Faceplate snaps over bracket frame to mount to T-70, Twin-70 or TE-70 raceway or ***FAST-SNAP***™ Surface Mount Outlet Boxes.	Arctic White	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.
*Contact Panduit for availability and product offering.

PAN-WAY™ Australian Type Screw-On Electrical Outlet

EJA15

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Australian Type Electrical Outlet*				
EJA15AW-X	15A two gang Australian standard outlet.	Arctic White	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

*Contact Panduit for availability and product offering.

PAN-WAY UK Style Electrical Modules and Faceplates

EMG13

ETG16
ESG16

EBG

T70UMB

T70GB

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Electrical Modular Outlet				
EMG13AW-X	13A full size UK outlet module.	Arctic White	10 pcs.	100 pcs.
Two-Way Modular Switch				
ETG16AW-X	16A two-way full module switch.	Arctic White	10 pcs.	100 pcs.
Double Pole Modular Switch				
ESG16AW-X	16A double pole full module switch.	Arctic White	10 pcs.	100 pcs.
Blank Module				
EBGAW-X	Full size blank module fits UK T70BU2 faceplate.	Arctic White	10 pcs.	100 pcs.
Snap-On Electrical Faceplate (for T-70/Twin-70/TE-70 Raceway)				
T70UMBAW-X	Two gang faceplate accepts two full size modules. Snaps onto T-70, Twin-70 or TE-70 raceway channel. For use with EMG13, ETG16, ESG16 and EBG modules.	Arctic White	10pcs.	100pcs.
Hanging Box (for T-70/Twin-70/TE-70 Raceway)				
T70GB-X	Box snaps into raceway channel to contain wiring in multi-channel applications.	Gray	10 pcs.	100 pcs.

◆ All parts listed in Arctic White (AW) color. To order other colors substitute IW (Off White) or IG (Light Gray). Contact factory for details.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

NOTES

PAN-WAY™ T-70 & Twin-70 Non-Metallic Surface Raceways

for Power and Communications Cabling (including Fiber Optic Cables)

PAN-WAY T-70 and Twin-70 plastic surface raceways are aesthetically designed multichannel systems. These systems can be used to route, conceal and protect power and data cables inside one raceway.

Fittings and terminations are designed to maintain the TIA/EIA required 1" minimum bend radius of high performance copper and Fiber-Optic cabling throughout the entire system. The two systems are tamper resistant yet allow the qualified installer access for moves, adds and changes.

T-70 Surface Raceway

NEW! 8 & 10 Foot Lengths

pg. B7

- Compact design with capacity for routing power and/or communication cables to workstations
- Inline or Offset termination configurations available
- NEMA Standard Devices and 70mm Faceplates can be flush mounted within the channel

Twin-70 Surface Raceway

NEW! 8 & 10 Foot Lengths

pg. B15

- Two totally separate channels within one raceway with maximum capacity for trunking and routing power and communication cables to workstations
- NEMA Standard Devices and 70mm Faceplates can be flush mounted within the channel
- Independent access to power and communications cabling for added user safety
- No boxes are required for mounting devices

Panduit *PAN-WAY* T-70 & Twin-70 Raceways provide the following common benefits:

- Attractive and complementary profiles for seamless transitions between systems
- Power Rated to 600V (UL) **meets new UL5A standards**, 300V (CSA) meets CSA 22.2 No. 62-93 standards
- Both raceways are part of the ***FIBER-SPEC***™ System and are optimized for Fiber-Optic cabling
- Fittings maintain the minimum 1" bend radius required under TIA/EIA 568-A and 569-A for high performance copper and Fiber Optic cabling systems
- Covers and fittings are extremely tamper resistant
- New! Snap-On Faceplates require less hardware for quick terminations and lower installed cost
- Both systems use common components for installer convenience
- Four standard colors available to complement any surrounding decor

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

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Raceway Base & Cover B7
Fill Capacities B9-B11

PAN-WAY T-70
Fittings B7-B8

PAN-WAY T-70
WORKSTATION OUTLET CENTER™ Offset Box B8

PAN-WAY Twin-70
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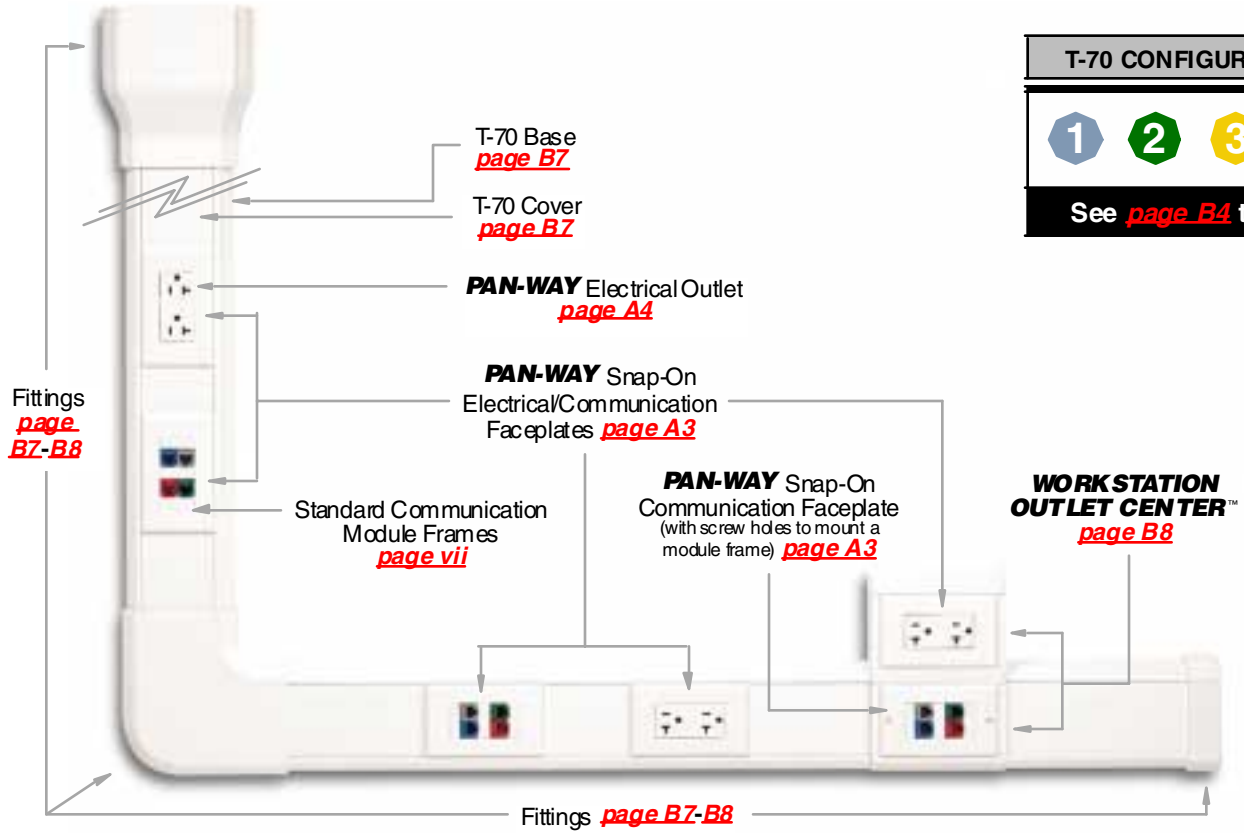
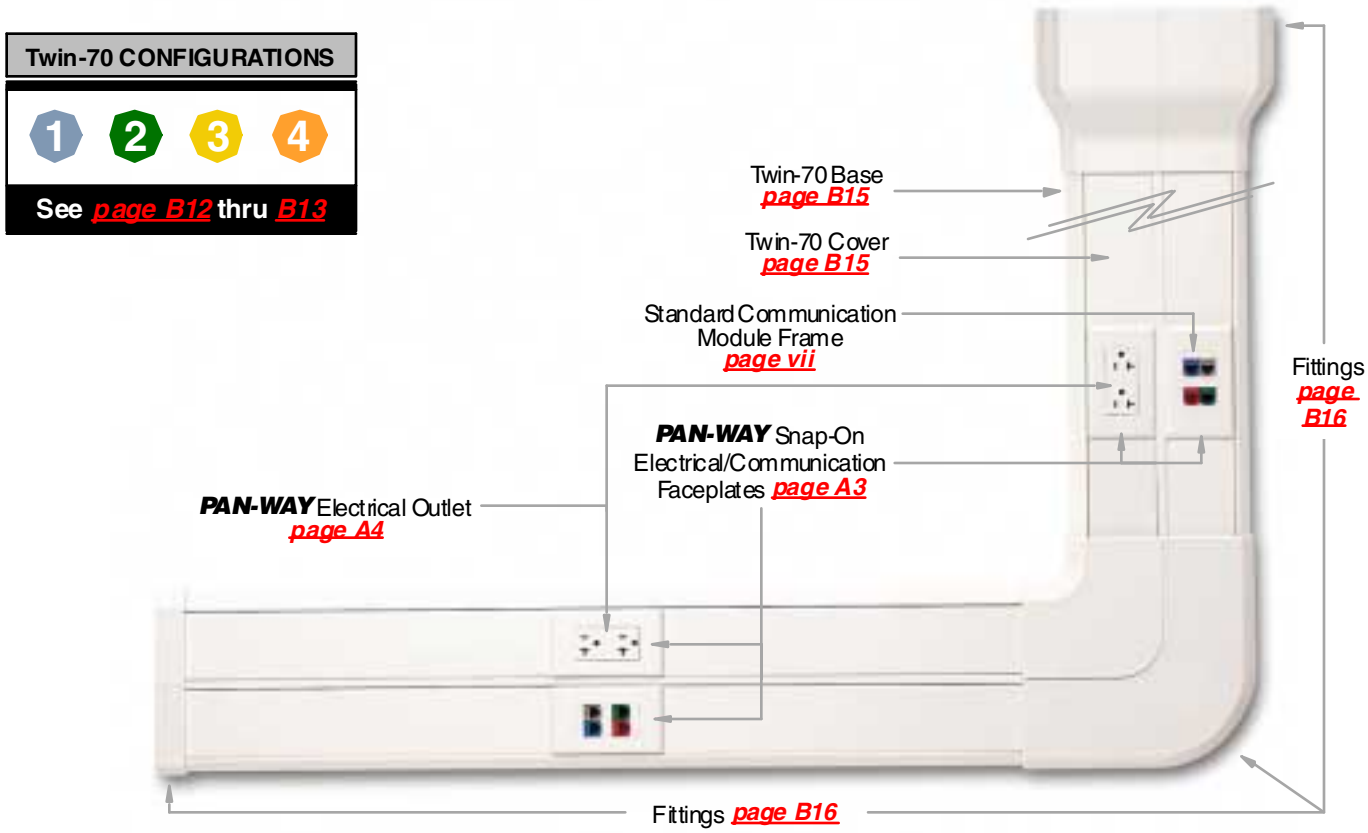
PAN-WAY T-70 & Twin-70
Accessories B20
T-70 Snap-On Fiber Spool Bracket B20

PAN-WAY™ T-70 Raceway System



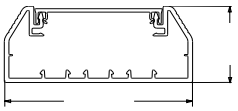
PAN-WAY Twin-70 Raceway System



For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

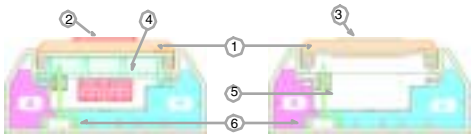
PAN-WAY™ T-70 Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

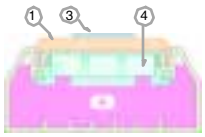


Base: pg. B7
Cover: pg. B7
Fittings: pg. B7-B8

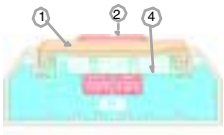
1 PAN-WAY Snap-On Electrical/Communication Faceplates



Inline Data & Power



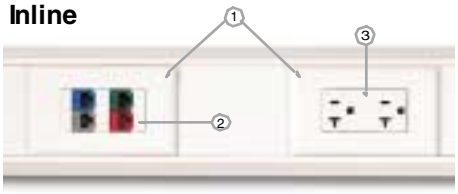
Power Only



Data Only

- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on page vii)

Inline

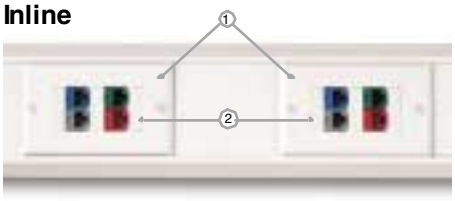


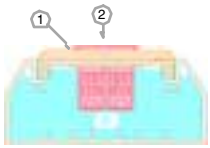
Areas (in²)	A	B
Inline Data & Power	.84	1.75
Data Only	—	3.37
Power Only	3.76	—

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	Snap-On Electrical/Comm. Faceplate(s) (T70PG shown)	X	X	X	A3
2.	Standard Communication Module Frame	X		X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	B20
5.	Hanging Box (T70HB3-X shown)			X	B20
6.	Divider Wall (T70DW shown)			X	B7

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)

Inline





Inline Data Only

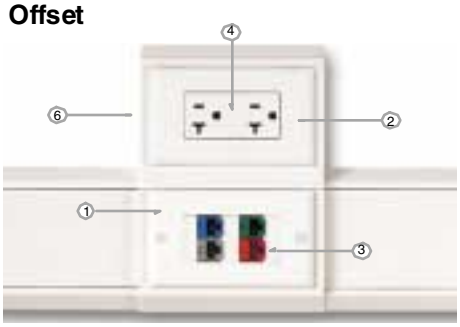
- Faceplate requires no device mounting bracket or hanging box
- Can use most manufacturers' communication module frames (see chart on page vii)

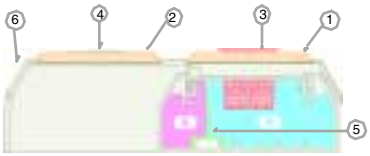
Areas (in²)	A	B
Data Only	—	3.89

	Components Required	Data Only		See Page
1.	Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X		A3
2.	Standard Communications Module Frame	X		vii

Note: For power and data applications use with configuration #1 above or with configuration #3 shown on next page

Offset





Offset Data & Power

- Offset configuration adds data capacity
- Can use most manufacturers' communication module frames (see chart on page vii)

Areas (in²)	A	B
Offset Data & Power	1.10	3.04

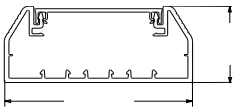
	Components Required	Data & Power	See Page
1.	Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X	A3
2.	Snap-On Electrical/Communication Faceplate (T70PG shown)	X	A3
3.	Standard Communication Module Frame	X	vii
4.	PAN-WAY Electrical Outlet (ERU20 shown)	X	A4
5.	Divider Wall (T70DW shown)	X	B7
6.	WORKSTATION OUTLET CENTER™ Offset Box (T70WC2)	X	B8

Note: Snap-On Faceplate Offset configuration shown requires Snap-On Electrical/Communication Faceplate from Configuration #1 for power as noted in offset configuration (component #2)

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

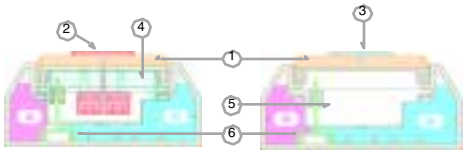
PAN-WAY™ T-70 Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

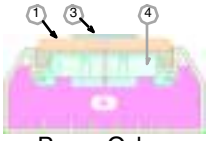


Base: pg. B7
Cover: pg. B7
Fittings: pg. B7-B8

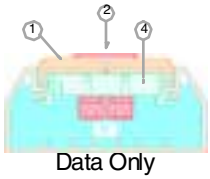
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



Inline Data & Power



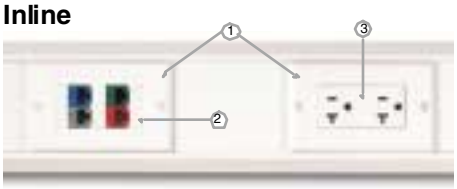
Power Only



Data Only

- U.S. Standard Screw-On Electrical Faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)

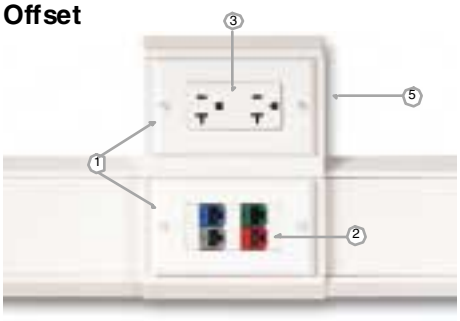
Inline

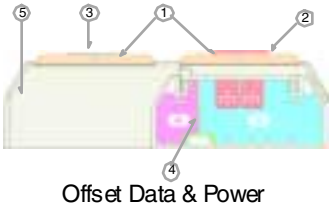


Areas (in²)	A	B
Inline Data & Power	.84	1.75
Data Only	—	3.37
Power Only	3.76	—

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	A3
2.	Standard Communication Module Frame	X		X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	B20
5.	Hanging Box (T70HB3-X shown)			X	B20
6.	Divider Wall (T70DW shown)			X	B7

Offset





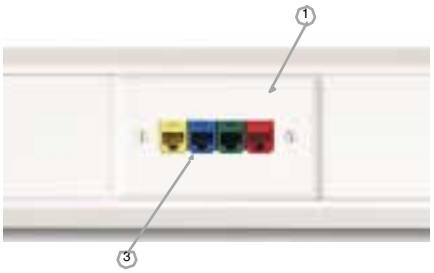
Offset Data & Power

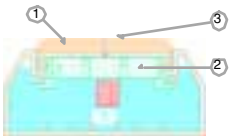
- Offset configuration adds data capacity
- Can use most manufacturers' communication module frames (see chart on page vii)

Areas (in²)	A	B
Offset Data & Power	1.10	3.04

	Components Required	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	A3
2.	Standard Communication Module Frame	X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)	X	A4
4.	Divider Wall (T70DW shown)	X	B7
5.	WORKSTATION OUTLET CENTER™ Offset Box (T70WC shown)	X	B8

4 U.S. Standard Screw-On Communication Faceplates





Data Only

- Uses most manufacturers' NEMA standard 70mm communication faceplates
- Panduit® Styles available, for more information refer to page xii

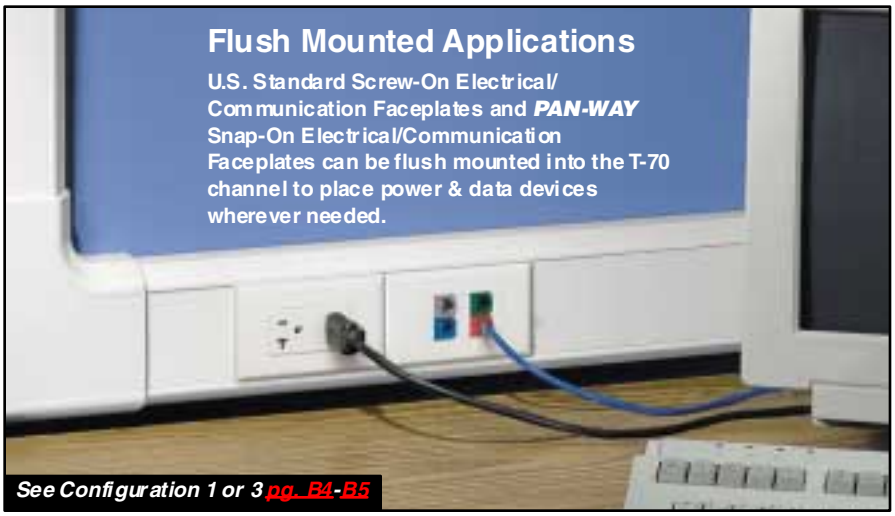
Areas (in²)	A	B
Data Only	—	3.74

	Components Required	Data Only		See Page
1.	U.S. Standard Screw-On Communication Faceplates	X		—
2.	Device Mounting Bracket (T70DB-X shown)	X		B20
3.	Manufacturers' inserts and/or communication modules	X		—

Note: For power and data applications use with configuration #3 above or with configuration #1 shown on previous page

PAN-WAY™ T-70 Surface Raceway System Features

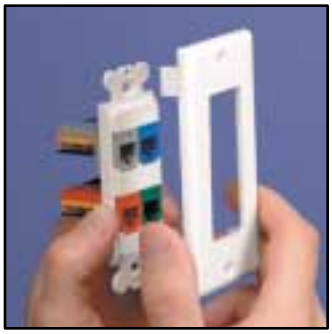
T-70 has adequate capacity for trunking applications



Solution #2 — Example Installation

2

Using the PAN-WAY Snap-On Communication Faceplate (with screw holes to mount a module frame)



Place module frame behind faceplate...

Screw module frame and faceplate together...

Snap faceplate to channel...

Done!

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ T-70 Surface Raceway Base & Cover

PAN-WAY Type T-70 Surface Raceway is an aesthetically designed, multi-channel system to route, protect and conceal data, voice, video, fiber-optic and power cabling.

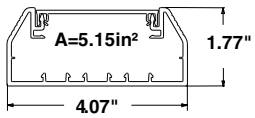
Compatible with:
— **PAN-WAY** Snap-On Faceplates
— Any U.S. Standard Screw-On Electrical/Communication Faceplate(s)

T-70 System Benefits:

- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Fittings maintain the TIA/EIA required 1" bend radius for Fiber-Optic and Category 5 cabling systems
- Supplied with pre-punched mounting holes
- Extremely tamper resistant

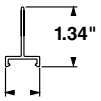
NEW Lengths!

T70B



T70C

T70DW



Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
T-70 Raceway Base				
8 ft. lengths		**10 ft. lengths**		
T70BIW8	48 ft.	T70BIW10	60 ft.	Off White
T-70 raceway base in 8 or 10 ft. lengths. Supplied with pre-punched mounting holes every 8".				
T-70 Raceway Cover				
T70CIW8	96 ft.	T70CIW10	120 ft.	Off White
T-70 raceway cover in 8 or 10 ft. lengths.				
T-70 Raceway Divider Wall				
T70DW8	96 ft.	T70DW10	120 ft.	Gray ONLY
Snaps onto rails in raceway base to create separate channels. Must use with wire retainers to ensure channel separation per UL/CSA.				

NOTE: Order raceway base and cover separately.
◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type T-70 Fittings

T70BC**-X

T70CC**-X

T70IC

T70OC

T70RA

T70EC

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T70BCIW-X	Base Coupler Fitting	Off White	10 pcs.	100pcs.
T70CCIW-X	Cover Coupler Fitting	Off White	10 pcs	100pcs.
T70ICIW	Inside Corner Fitting	Off White	1 pcs.	10 pcs.
T70OCIW	Outside Corner Fitting	Off White	1 pc.	10 pcs.
T70RAIW	Right Angle Fitting	Off White	1 pc.	10 pcs.
T70ECIW	End Cap Fitting Conduit breakouts: ½"	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

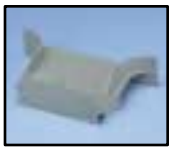
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Type T-70 Fittings (cont'd)

T70T


T70TDT
T70TDC
T70TDB

T70EE

T70TR
T70TRC

T70TRI

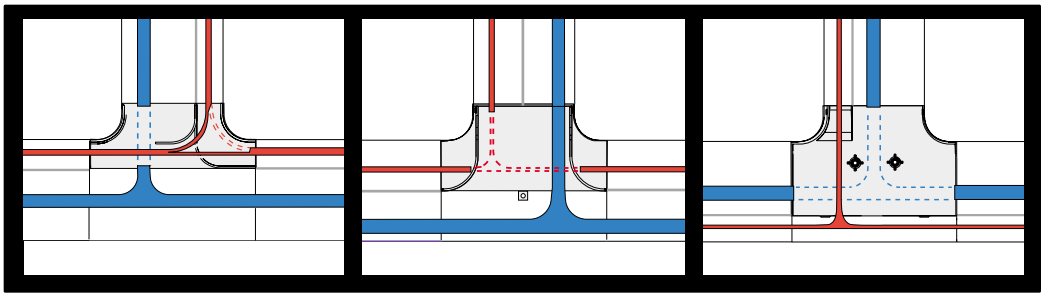
Part Number	Description	Std. Pkg. Qty.	Colors◆	Std. Ctn. Qty.
T70TIW	Tee Fitting	1 pc.	Off White	10 pcs.
T70TDT (Top Position) T70TDC (Center Position) T70TDB (Bottom Position)	T-70 Raceway Divider Inserts (Power & Data Applications). Separate power and data within Tee Fitting when divider wall placed in top, center or bottom position	1 pc.	Gray ONLY	10 pcs.
T70EEIW	Entrance End Fitting Conduit breakouts: ½", ¾", 1", 1¼" Entry from ceiling or wall.	1 pc.	Off White	10 pcs.
T70TRIW	Transition Fitting to any LD Profile Raceway. Includes fitting for bend radius control. Maintains channel separation within T-70 raceway — Base & Cover	1 pc.	Off White	10 pcs.
T70TRCIW	Transition Fitting to any LD Profile Raceway — Cover Only	1 pc.	Off White	10 pcs.
T70TRI	Divided insert for T70 to LD2P10. Maintains channel separation within T70TR Fitting	1 pc.	Gray ONLY	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

T-70 Raceway Accessories available on page B20

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

Tee Insert Configurations


T70TDT T70TDC T70TDB

— KEY —
Data Cabling
Power Cabling
Tee Insert
Divider Wall

Divided Tee Inserts are used to separate power and data cabling for various tee configurations. Maintains 1" bend radius of data cables.

PAN-WAY WORKSTATION OUTLET CENTER™ Offset Box for T-70 Raceway

NEW!

T70WC

NEW!

T70WC2

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
WORKSTATION OUTLET CENTER Offset Box — For U.S. Standard Screw-On Electrical/Communication Faceplates				
T70WCIW	Two-piece box & bracket accept any NEMA standard 70mm faceplate with mounting hole widths of 3.28" (83.5mm).	Off White	1 pc.	10 pcs.
WORKSTATION OUTLET CENTER Offset Box — For PAN-WAY Snap-On Electrical/Communication Faceplates				
T70WC2IW	Two-piece box & bracket accept any standard electrical outlet. Accepts any PAN-WAY Snap-On Electrical/Communication Faceplates.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

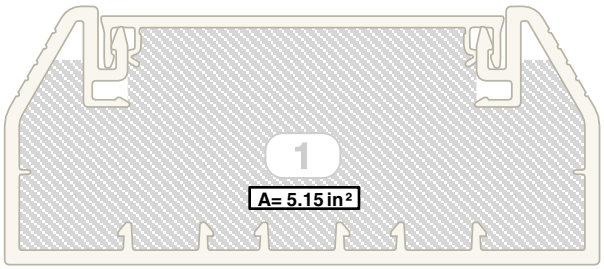
The **WORKSTATION OUTLET CENTER** offset box places electrical and communications devices into a common area while maximizing the cabling capacity of the raceway channel.

The **WORKSTATION OUTLET CENTER** offset box Snap-On Faceplate version provides the lowest installed cost by reducing hardware and labor.

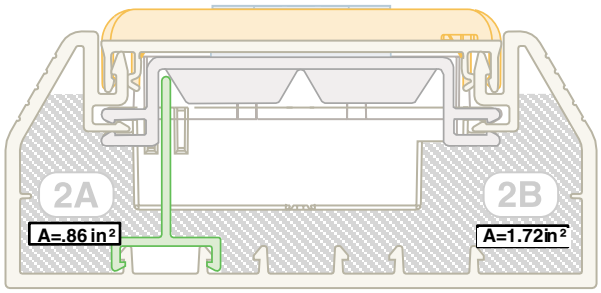
For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Fill Capacities for T-70 Raceway

Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.



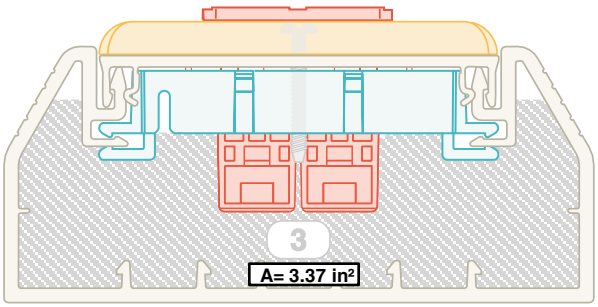
Wirefill #1: T-70 Raceway with no devices



Wirefill #2: Power & Data using Three Sided Hanging Box and Device Bracket

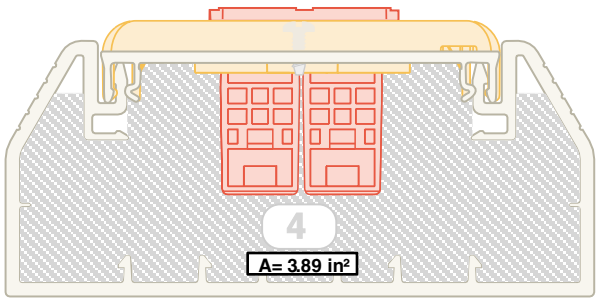
Includes: Three sided Hanging Box, Divider Wall, Wire Retainer, Snap-On Electrical/Communication Faceplate.

Not shown for clarity: U.S. Standard Electrical Outlet, Standard Communication Module Frame and Communication Modules.



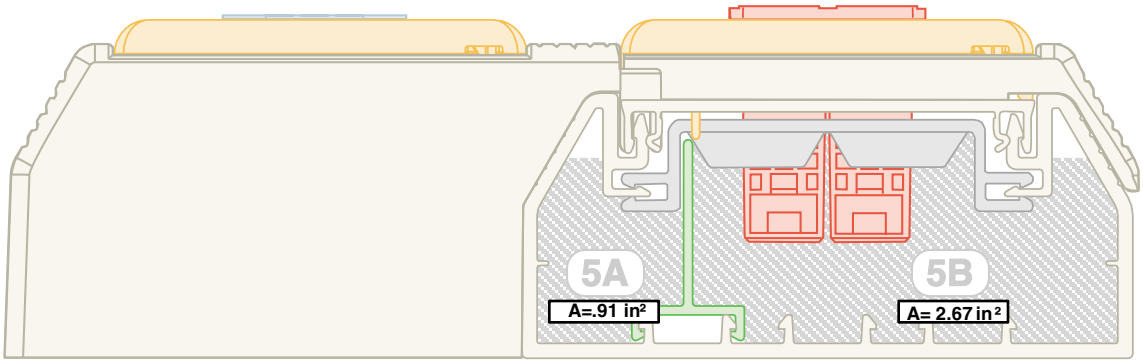
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/Communication Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/ Communication Faceplate, Standard Communication Module Frame and Communication Modules.



Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules



Wirefill #5: Power & Data using the *WORKSTATION OUTLET CENTER*™ Offset Box

Includes: WORKSTATION OUTLET CENTER Offset Box, Divider Wall, Wire Retainer, Snap-On Electrical/ Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules.

Fill Capacities for T-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B9.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Wirefill Configurations	See Fill #	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		Cat. 5 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	24	20	5	182	273	117	175	73	109	15	22	56	84
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	14	11	7	30	46	19	29	12	18	2	4	9	14
	2B	**	**	**	61	91	39	58	24	36	5	7	19	28
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	**	**	**	119	178	76	114	47	71	9	14	36	54
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	**	**	**	137	206	87	131	54	82	11	16	42	63
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** ™ Offset Box	5A	14	11	7	32	48	20	31	12	19	2	3	9	14
	5B	**	**	**	94	141	60	90	37	56	7	11	28	43

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Wirefill Configurations	See Fill #	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	10	15	42	63	9	13	48	72	7	10	32	48	14	21
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	2	3	7	11	1	2	8	12	1	2	5	8	2	4
	2B	3	5	14	21	3	4	16	24	2	3	11	11	5	7
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	6	9	27	41	5	8	31	46	4	6	20	31	9	13
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	7	11	31	47	6	10	36	54	4	7	24	36	10	16
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** Offset Box	5A	1	2	7	11	1	2	8	12	1	1	5	8	2	3
	5B	5	7	21	32	4	6	24	37	3	5	16	24	7	11

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacities for T-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B9.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for: ·Coax Cables

Raceway Channel Wirefill Configurations	See Fill #	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	36	54	16	24	70	106	45	67	45	67
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	6	9	3	4	12	18	7	11	7	11
	2B	12	18	5	8	24	35	15	22	15	22
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	23	35	10	15	46	69	29	43	29	43
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	27	40	12	18	53	79	33	50	33	50
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** Offset Box	5A	6	9	2	4	12	18	7	11	7	11
	5B	18	28	8	12	36	54	23	34	23	34

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Wirefill Configurations	See Fill #	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T70 with No Devices	1	86	129	86	129	60	89	602	904	602	904	1050	1575	1355	2033
Wirefill #2: Power & Data using Three Sided Hanging Box & Device Bracket	2A	14	21	14	21	10	15	140	210	140	210	175	263	226	340
	2B	29	43	29	43	20	30	279	419	279	419	351	526	453	679
Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/ Communication Faceplates	3	55	83	55	83	38	58	393	590	527	791	685	1028	885	1328
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount module frames)	4	64	96	64	96	44	67	454	681	609	913	791	1187	1022	1533
Wirefill #5: Power & Data using the ***WORKSTATION OUTLET CENTER*** Offset Box	5A	15	22	15	22	10	15	106	160	143	214	186	279	240	360
	5B	44	66	44	66	30	46	312	468	418	628	544	816	702	1054

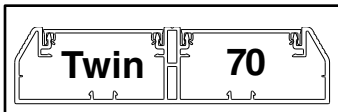
NOTE: See page xiv-xv for further explanation of wirefill data.

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T;.090" thickness,.125" kerf.*

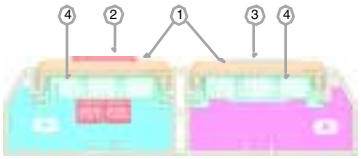
PAN-WAY™ Twin-70 Raceway Configurations

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

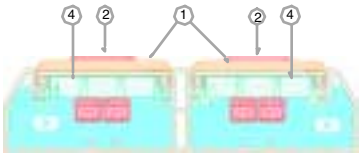


Base: pg. B15
Cover: pg. B15
Fittings: pg. B16

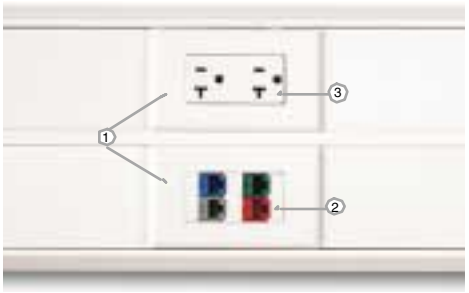
1 PAN-WAY Snap-On Electrical/Communication Faceplates



Data & Power



Data Only

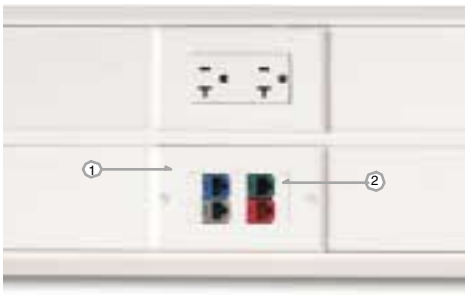


Areas (in²)	A	B
Data & Power	3.32	2.80
Data Only	—	2.80(x2)

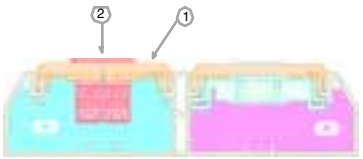
- Snap-On Faceplates provide a superior appearance (No screws required).
- Can use most manufacturers' communication module frames (see chart on page vii)

Components Required	Data Only	Power Only	Data & Power	See Page
1. Snap-On Electrical/Communication Faceplate(s) (T70PG shown)	X	X	X	A3
2. Standard Communication Module Frame	X		X	vii
3. PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4. Device Mounting Bracket (T70DB-X shown)	X	X	X	B20

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)



Areas (in²)	A	B
Data Only	3.32	3.32



Data & Power

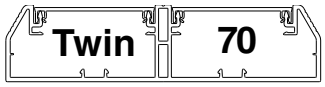
- Faceplate requires no device mounting bracket or hanging box
- Can use most manufacturers' communication module frames (see chart on page vii)

Components Required	Data Only		See Page
1. Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X		A3
2. Standard Communication Module Frame	X		vii

Note: For power application shown add the power only components from configuration #1

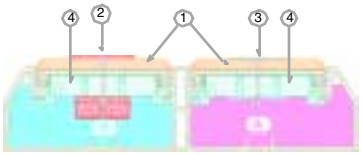
PAN-WAY™ Twin-70 Raceway Configurations

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

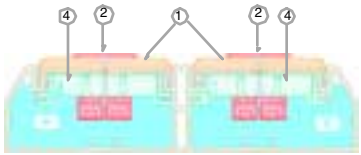


Base: pg. B15
Cover: pg. B15
Fittings: pg. B16

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

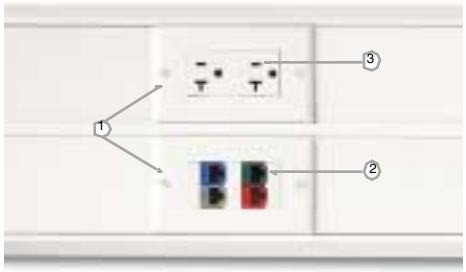


Data & Power



Data Only

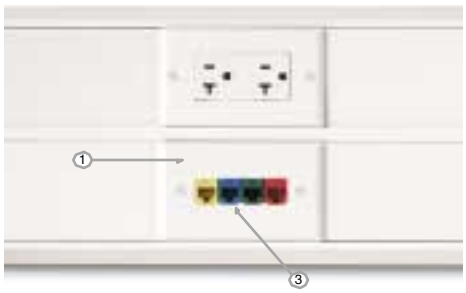
- U.S. Standard Screw-On Electrical Faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)



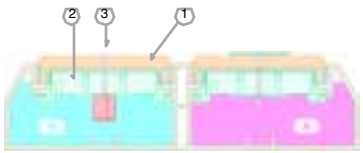
Areas (in²)	A	B
Data & Power	3.32	2.80
Data Only	—	2.80 (x2)

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	A3
2.	Standard Communication Module Frame	X		X	vii
3.	PAN-WAY Electrical Outlet (ERU20 shown)		X	X	A4
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	B20

4 U.S. Standard Screw-On Communication Faceplates



Areas (in²)	A	B
Data Only	3.32	3.17



Data & Power

- Uses most manufacturers' NEMA standard 70mm communication faceplates (see chart on page vii)
- Panduit® Styles available, for more information refer to page xii

	Components Required	Data Only		See Page
1.	U.S. Standard Screw-On Communication Faceplates	X		A3
2.	Device Mounting Bracket (T70DB-X shown)	X		B20
3.	Manufacturers' inserts and/or modules	X		—

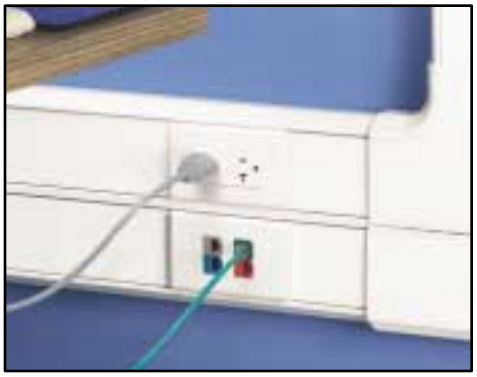
Note: For power application shown add the power only components from configuration #3

PAN-WAY™ Twin-70 Surface Raceway System Features

Extreme tamper-resistance with a large capacity makes Twin-70 raceway ideal for routing and maintaining power and data into computing intense environments such as media centers and computer labs.

NEW!

Enter the raceway from a ceiling drop or "thru-wall" with the Entrance End Fitting



Maximizes safety by maintaining total separation of data and power cabling throughout the entire raceway system.

Both U.S. Standard Screw-On Faceplates and ***PAN-WAY*** Snap-On Electrical/ Communication Faceplates are flush mounted into the Twin-70 channel to place power & data devices wherever needed.

Twin-70 has added capacity for trunking applications

PAN-WAY™ Twin-70 Surface Raceway Base & Cover

PAN-WAY Type Twin-70 Surface Raceway is an aesthetically designed system featuring two separate dedicated channels that can form up to four total channels to route, protect and conceal data, voice, video, fiber-optic and power cabling.

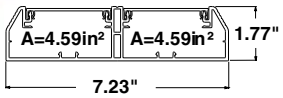
Compatible with:
—**PAN-WAY** Snap-On Faceplates
—Any U.S. Standard Screw-On Electrical/Communication Faceplate(s)

Twin-70 System Benefits:

- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Separate channels allow independent access to power and communication cabling throughout the entire system
- Fittings maintain the TIA/EIA required 1" bend radius for Fiber-Optic and Category 5 cabling systems
- Extremely tamper resistant
- Supplied with pre-punched mounting holes

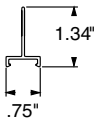
NEW Lengths!

T702B



T70C

T70DW



Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
Twin-70 Raceway Base				
8 ft. lengths		**10 ft. lengths**		
T702BIW8	24 ft.	**T702BIW10**	30 ft.	Off White
Twin-70 raceway base in 8 or 10 ft. lengths. Supplied with pre-punched mounting holes every 8".				
T-70 Raceway Cover				
T70CIW8	96 ft.	**T70CIW10**	120 ft.	Off White
T-70 or Twin-70 raceway tamper resistant cover in 8 or 10 ft. lengths. **NOTE: Two feet of cover needed for every foot of base.**				
T-70 Raceway Divider Wall				
T70DW8	96 ft.	**T70DW10**	120 ft.	Gray ONLY
Snaps onto rails in raceway base to create separate channels. Must use with wire retainers to ensure channel separation per UL/CSA.				

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

NOTE: Order raceway base and cover separately.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type Twin-70 Fittings

T702BC**-X

T70CC**-X

T702OC

T702IC

T702RA

T702TR

T702TRL

T702TRI

T702T

T702EE

T702EC

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T702BCIW-X	Base Coupler Fitting	Off White	10 pcs.	100pcs.
T70CCIW-X	Cover Coupler Fitting	Off White	10 pcs.	100pcs.
T702ICIW	Inside Corner Fitting	Off White	1 pcs.	10 pcs.
T702OCIW	Outside Corner Fitting	Off White	1 pc.	10 pcs.
T702RAIW	Right Angle Fitting	Off White	1 pc.	10 pcs.
T702TRIW	Transition Fitting — To T-70 Raceway	Off White	1 pc.	5 pcs.
T702TRLIW	Transition Fitting — To any LD Profile Raceway	Off White	1 pc.	5 pcs.
T702TRI	Divided Insert for T702 to T70 or T702 to LD profile. Maintains channel separation within T702TR or T702TRL fitting.	Gray ONLY	1 pc.	5 pcs.
T702TIW	Tee Fitting	Off White	1 pc.	5 pcs.
T702EEIW	Entrance End Fitting Conduit breakouts: ½",¾", 1", 1¼" Entry from ceiling or wall.	Off White	1 pc.	5 pcs.
T702ECIW	End Cap Fitting Conduit breakouts: ½"	Off White	1 pc.	10 pcs.

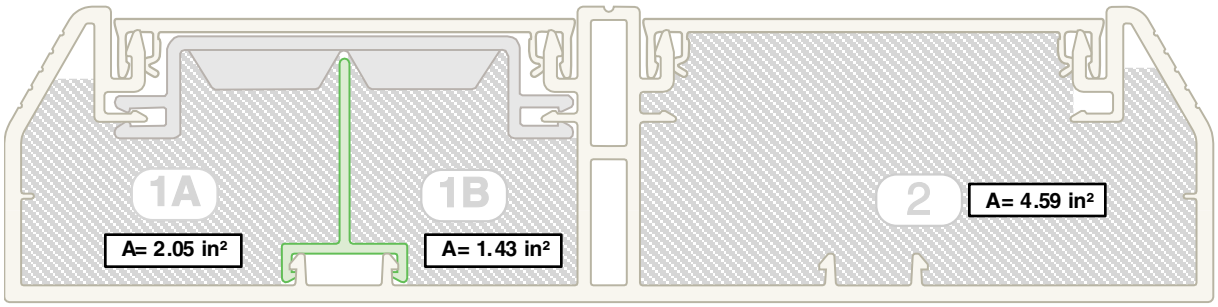
◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

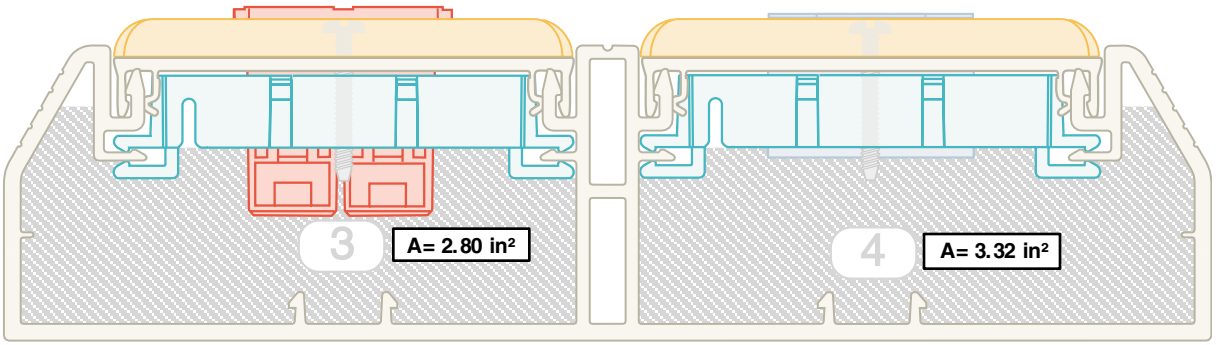
Fill Capacities for Twin-70 Raceway

Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.



Wirefill #1: Power & Data with No Terminations

Wirefill #2: One Twin-70 Channel with No Devices

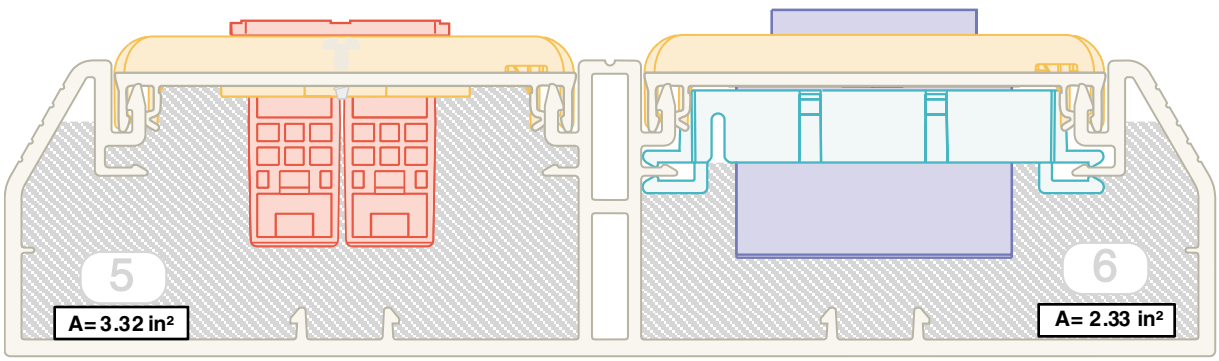


Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/Communication Faceplate, Standard Communication Module Frame and Communication Modules

Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/Communication Faceplate and U.S. Standard Electrical Outlet



Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules

Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/ Communication Faceplate

Includes: Device Bracket, Snap-On Electrical/ Communication Faceplate and 20A TVSS Rectangular Outlet

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Fill Capacities for Twin-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B17.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Wirefill Configurations	See Fill #	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		Cat. 5 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data with No Terminations	1A	n/a	n/a	n/a	73	109	46	70	29	43	6	9	22	33
	1B	16	16	15	51	76	32	49	20	30	4	6	15	23
Wirefill #2: One Twin-70 Channel with No Devices	2	n/a	n/a	n/a	162	244	104	156	65	97	13	20	50	75
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	**	**	**	99	148	63	95	39	59	8	12	30	45
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	15	13	13	117	176	75	113	47	70	9	14	36	54
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	**	**	**	117	176	75	113	47	70	9	14	36	54
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	16	16	14	82	124	53	79	33	49	7	10	25	38

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Wirefill Configurations	See Fill #	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286			
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data No Terminations	1A	4	6	17	25	4	5	19	29	3	4	13	19	6	8
	1B	3	4	12	17	2	4	13	20	2	3	9	13	4	6
Wirefill #2: One Twin-70 Channel with No Devices	2	9	13	37	56	8	12	43	64	6	9	29	43	13	19
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	5	8	22	34	4	7	26	39	3	5	17	26	7	11
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	6	10	27	41	6	9	31	46	4	6	21	31	9	14
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	6	10	27	41	6	9	31	46	4	6	21	31	9	14
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	5	7	19	28	4	6	22	33	3	4	15	22	6	10

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacities for Twin-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page B17.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—based on useful internal area and cable areas

Fill Capacity Table for:
·Coax Cables

Raceway Channel Wirefill Configurations	See Fill #	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data No Terminations	1A	14	21	6	10	28	42	18	27	18	27
	1B	10	15	4	7	20	29	12	19	12	19
Wirefill #2: One Twin-70 Channel with No Devices	2	32	48	14	21	63	94	40	60	40	60
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	19	29	8	13	38	57	24	36	24	36
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	23	35	10	15	45	68	29	43	29	43
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	23	35	10	15	45	68	29	43	29	43
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	16	24	7	11	32	48	20	30	20	30

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for:
·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Wirefill Configurations	See Fill #	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: Power & Data No Terminations	1A	34	51	34	51	24	36	240	360	322	482	418	627	540	809
	1B	24	36	24	36	17	25	167	251	224	336	291	437	376	565
Wirefill #2: One Twin-70 Channel with No Devices	2	76	115	76	115	53	80	537	805	720	1080	936	1403	1208	1812
Wirefill #3: Data Only using Device Bracket & U.S. Standard Screw-On Faceplates	3	46	69	46	69	32	48	327	491	438	658	570	855	736	1104
Wirefill #4: Power using Device Bracket & U.S. Standard Screw-On Faceplates	4	55	83	55	83	38	58	388	583	521	781	677	1015	874	1311
Wirefill #5: Data Only using Snap-On Electrical/Communication Faceplates (with screw holes to mount a module frame)	5	55	83	55	83	38	58	388	583	521	781	677	1015	874	1311
Wirefill #6: 20A TVSS Rectangular Outlet using Device Bracket & Snap-On Electrical/Communication faceplate Faceplate	6	39	58	39	58	27	40	273	409	365	548	475	712	613	920

NOTE: See page xiv-xv for further explanation of wirefill data.

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T; .090" thickness, .125" kerf.*

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Type T-70 & Twin-70 Raceway Accessories

T70DB-X

T70HB-X

T70HB3-X

T70WR-X

T70S-X

Part Number	Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Device Mounting Bracket				
T70DB-X	Used to mount NEMA standard single gang electrical outlets and communication devices with either screw-on or snap-on single gang faceplates.	Gray	10 pcs.	100 pcs.
Hanging Box				
T70HB-X	Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway.	Gray	10 pcs.	100 pcs.
Three Sided Hanging Box				
T70HB3-X	Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway. No break-outs are required. Low profile increases capacity in raceway. For use with T70 raceway only.	Gray	10 pcs.	100 pcs.
Wire Retainer				
T70WR-X	Holds wires in place. Will not interfere with cover installation.	Gray	10 pcs.	100 pcs.
Surface Mount Box Spacer Plate				
T70S-X	Spacer plate is used to mount a CBX4 Surface Mount Box onto the Device Bracket or Hanging Box shown above.	—	10 pcs.	100 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Using the spacer plate a CBX4 box can be mounted onto Twin-70 or T-70 raceway.

The CBX4 box features a fiber spool for managing fiber optic cable slack.

Note: Fiber spool optional. Not necessary for T-70 or Twin-70 raceway.

T-70 Snap-On Fiber Spool Bracket

NEW!

T70SFB

- Brackets are adjustable for slack length
- Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

Part Number	Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
T-70 Snap-On Fiber Spool Bracket				
T70FSB	Fiber spool bracket that snaps onto base of T-70. Provides method to contain 1m or more of fiber slack and provides strain relief. Maintains 1" bend radius for fiber optic cabling. Bracket distance can be adjusted to fit the length of slack required.	Gray	2 pcs.	50 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.
NOTE: Can only be used with T-70 base.
Contact Panduit for availability.

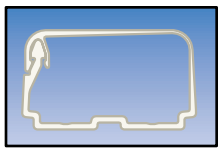
Use the T70FSB with T-70 raceway to contain 1m or more of fiber slack and maintain a 1" cable bend radius.

PAN-WAY™ LD Profile Raceways

PAN-WAY LD Profile Surface Raceways provide a complete system for routing and protecting premise cabling systems.

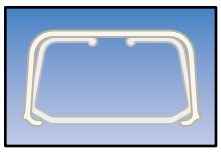
The five different LD profile raceway types have unique features that will match the raceway to the specific needs of many different power and/or communications cabling applications.

A choice of standard low voltage, TIA/EIA 1" bend radius control, power rated and multi-channel fittings are available.



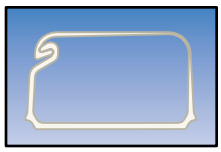
Type LDP

- Extremely tamper resistant latch design for power & fiber-optic applications
- Excellent for school/university applications
- Hinge provides exceptional strength during impact & cutting



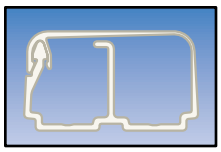
Type CD

- Two piece design—base & cover
- Two base styles:
  –Adhesive Backed (smooth surfaces)
  –Screw Mounted Metal Bases (irregular surfaces)



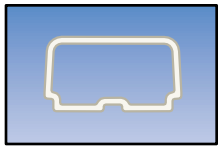
Type LD

- Wires are laid in instead of pulled through for quick & easy installations
- Hinge provides exceptional strength during impact & cutting
- Fast & easy installations
- New! 8 & 10 foot lengths for select styles of LD profile raceways



Type LD2P

- Multi-channel raceway routes power & data together
- Excellent for office environments
- Extremely tamper-resistant
- Full complement of fittings, boxes & faceplates



Type LDS

- Non-latching design is economical with unmatched tamper resistance
- Excellent for safety sensitive devices such as pay phones or security systems
- Bendable in low voltage applications to route around and over obstructions

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Additional Related Products

PAN-WAY Electrical Outlets A4

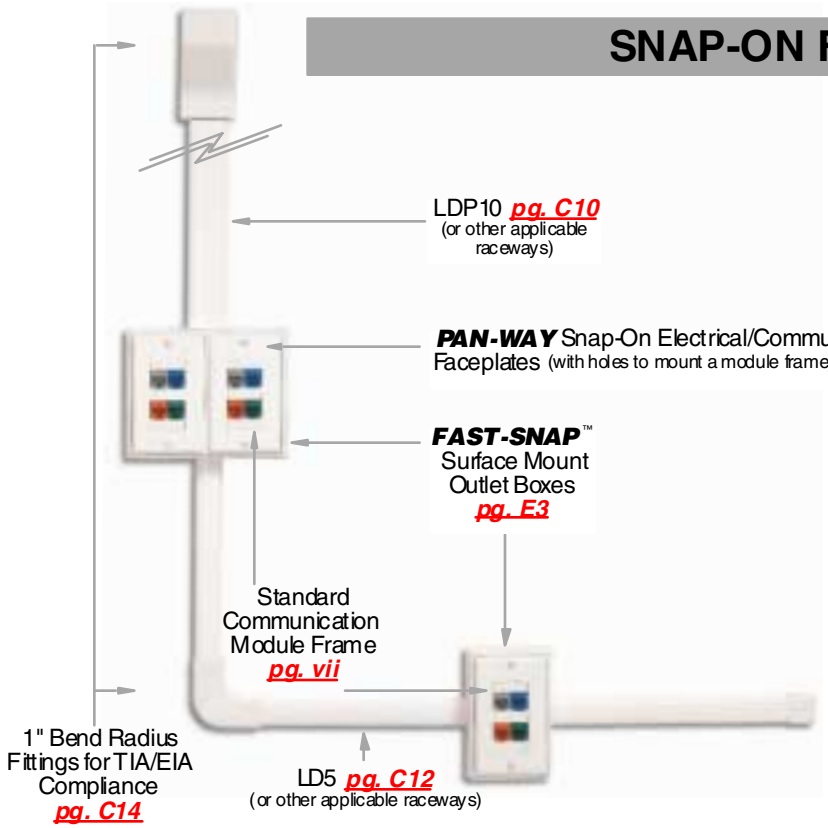
PAN-WAY Faceplates A3-A4

PAN-WAY Surface Mount Outlet Boxes E3-E5

PAN-WAY Accessories H1

PAN-WAY™ LD Profile Non-Metallic Raceways Data Only—Roadmap

SNAP-ON FACEPLATES



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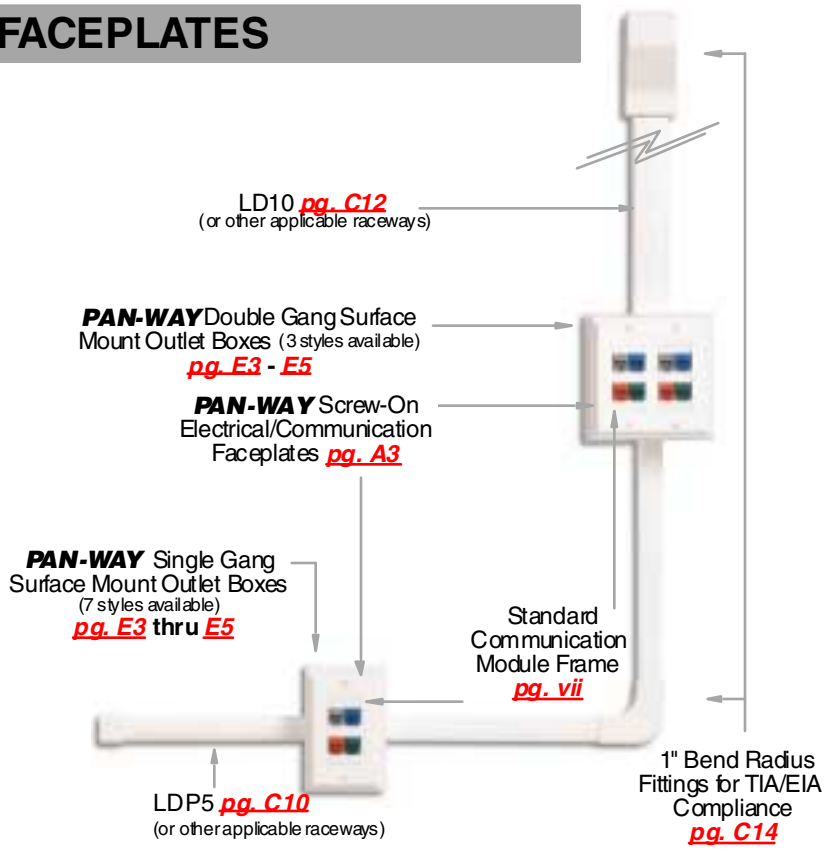
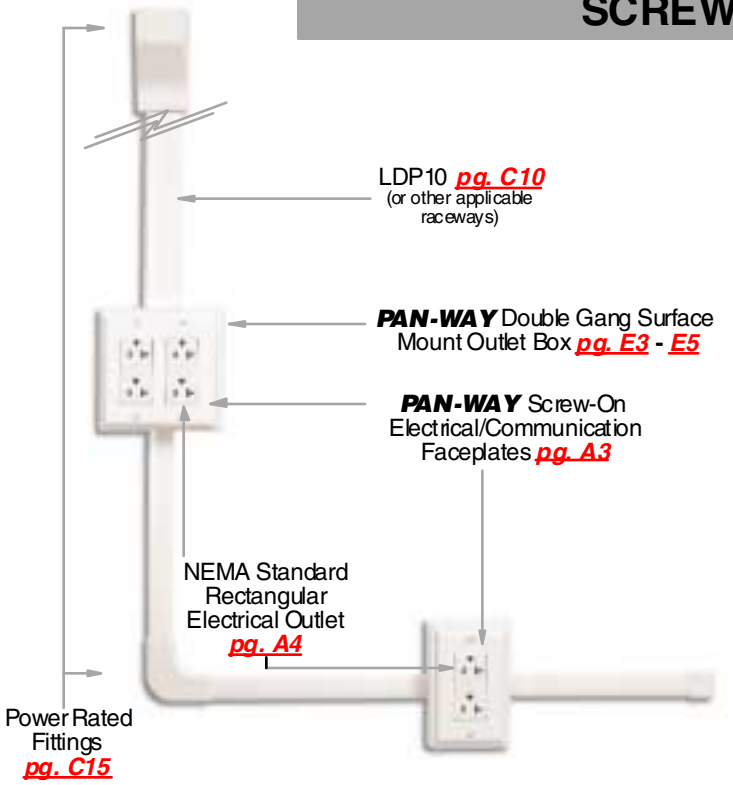


For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ LD Profile Non-Metallic Raceways
Power Only—Roadmap

SCREW-ON FACEPLATES



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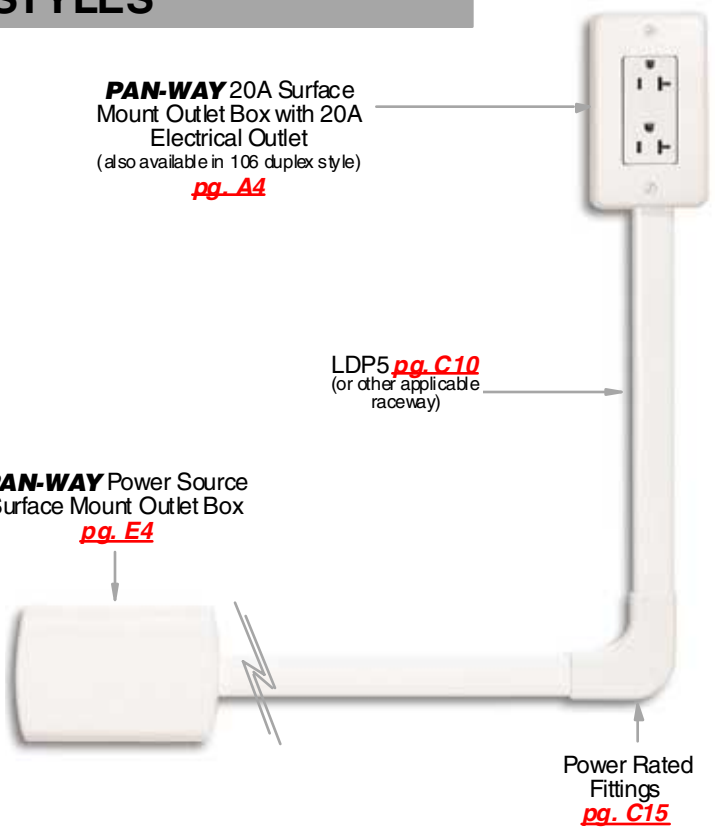
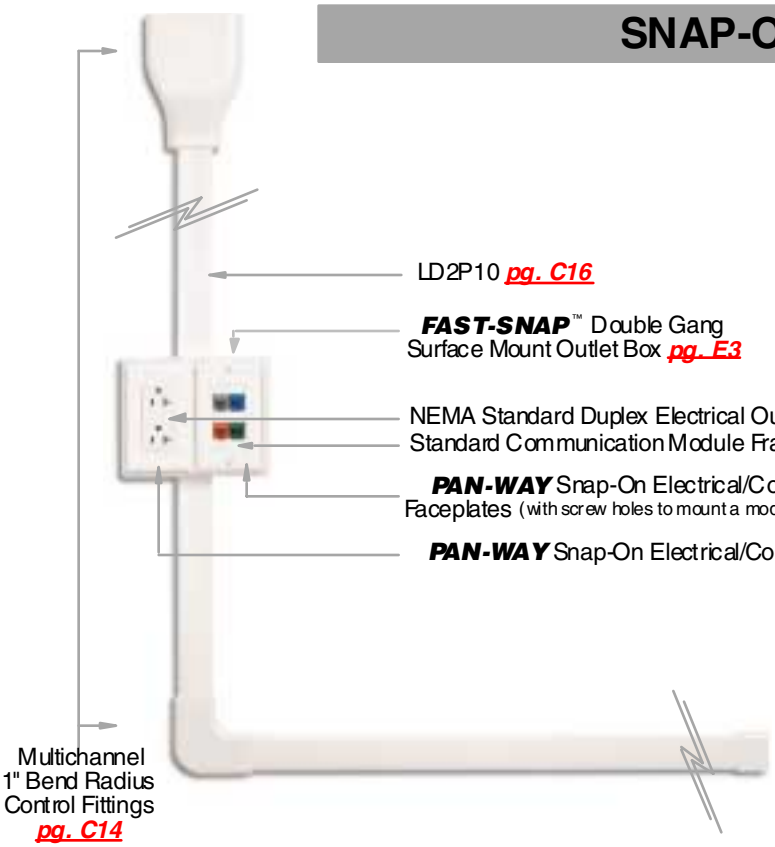
OPTIONAL BOX STYLES



PAN-WAY™ LD Profile Non-Metallic Raceways
Data & Power—Roadmap

SNAP-ON FACEPLATES



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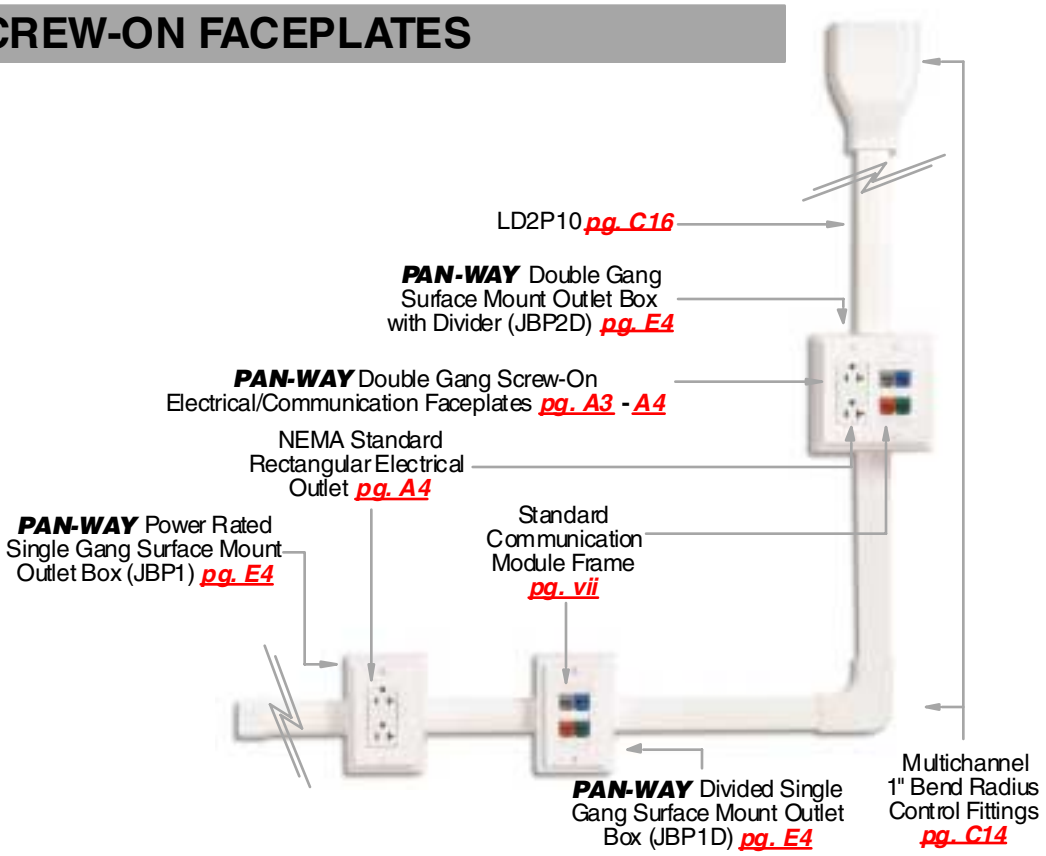
3 4

See page C6 thru C7

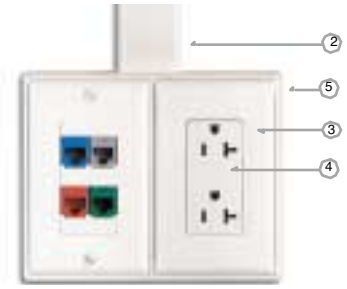


For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

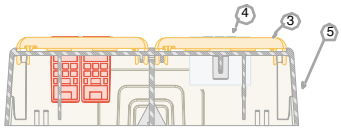
PAN-WAY™ LD Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

1 PAN-WAY Snap-On Electrical/Communications Faceplates



Data & Power
(Must be used with LD2P10 raceway)



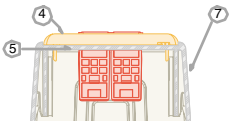
Data & Power

- Snap-On Faceplates provide a superior appearance
- **FAST-SNAP**™ Boxes snap together for quick installation
- Data and Power box is divided to maintain separation

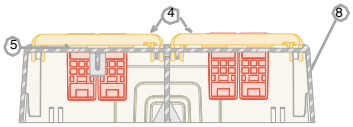
Components Required		Data (A) Data (B)	Data & Power	See Page
1.	LDP/LD/LDS or CD Raceway	X X		C10-C13
2.	LD2P10 Multichannel Raceway		X	C16
3.	Snap-On Electrical/Communication Faceplate(s)		X	A3
4.	NEMA Standard Duplex Outlet		X	A4
5.	Double Gang **FAST-SNAP** Outlet Box	X	X	E3

Note: For data area(s) and fill capacity information see page C17-C18

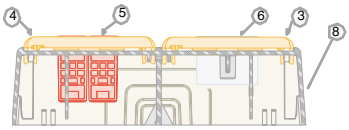
2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)



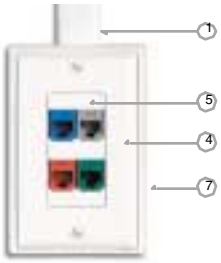
Data Only (A)



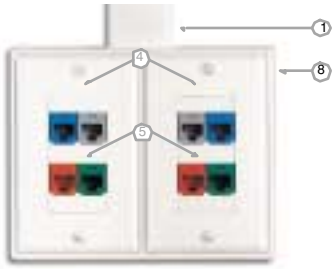
Data Only (B)



Data & Power



Data Only (A)



Data Only (B)

Data & Power
(Must be used with LD2P10 raceway)

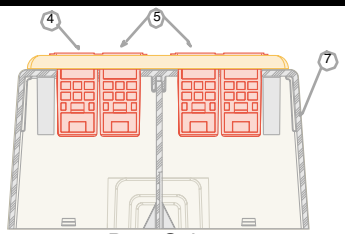
- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on page vii)
- **FAST-SNAP**™ Boxes snap together for quick installation
- Data and Power box is divided to maintain separation

Components Required		Data (A) Data (B)	Data & Power	See Page
1.	LDP/LD/LDS or CD Raceway	X X		C10C13
2.	LD2P10 Multichannel Raceway		X	C16
3.	Snap-On Electrical/Communication Faceplate(s)		X	A3
4.	Snap-On Electrical/Communication Faceplate(s) (with screw holes to mount a module frame)	X X	X	A3
5.	Standard Communication Module Frame(s)	X X	X	vii
6.	NEMA Standard Duplex Outlet		X	A4
7.	Single Gang **FAST-SNAP** Outlet Box	X		E3
8.	Double Gang **FAST-SNAP** Outlet Box	X	X	E3

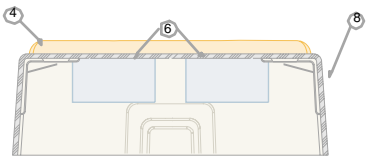
Note: For data area(s) and fill capacity information see page C17-C18

PAN-WAY™ LD Raceway Configurations Cont'd

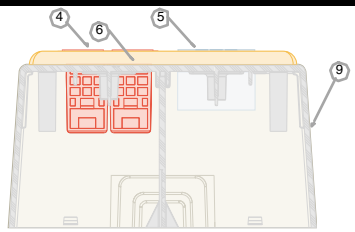
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



Data Only



Power Only

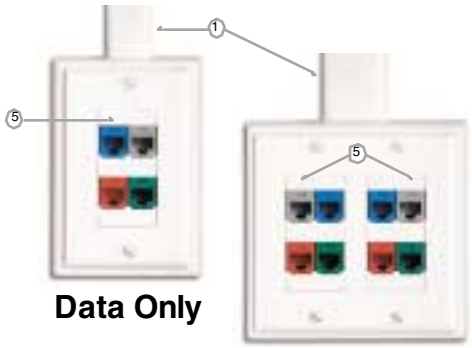


Data & Power

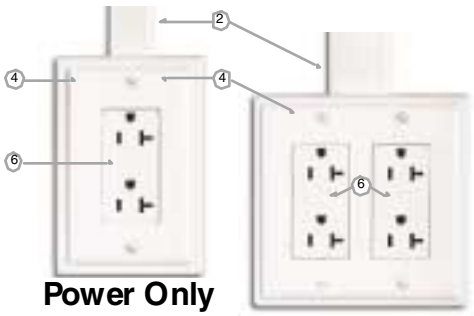
- Standard US screw-on electrical faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)

Components Required	Data Only	Power Only	Data & Power	See Page
1. LDP/LD/LDS or CD Raceway	X			C10-C13
2. LDP or LDS Raceway		X		C10-C11
3. LD2P10 Multichannel Raceway			X	C16
4. U.S. Standard Screw-On Electrical/Communication Faceplate(s) (single or double gang available)	X	X	X	A3
5. Standard Communication Module Frame(s)	X		X	vii
6. NEMA Standard Rectangular Outlet(s)		X	X	A4
7. Low Voltage Surface Mount Outlet Boxes (7 styles to choose from)	X			E3
8. Power Rated Surface Mount Outlet Boxes (5 styles to choose from)		X		E4
9. Divided Power Rated Surface Mount Outlet Boxes (3 styles to choose from)			X	E5

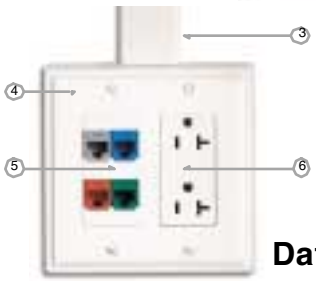
Note: For data area(s) and fill capacity information see page C17-C18



Data Only



Power Only



Data & Power

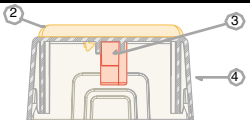
NEW!

Optional for Power

- Surface Mount Outlet Box includes box, 20A outlet and cover in duplex rectangular or 106 styles

Components Required	Power Only		See Page
1. LDP or LDS Raceway	X		C10-C11
2. 20A Low Profile Rectangular or 106 Style Surface Mount Outlet Boxes (include box, 20A outlet & self cover)	X		A4

4 U.S. Standard Screw-On Communication Faceplates



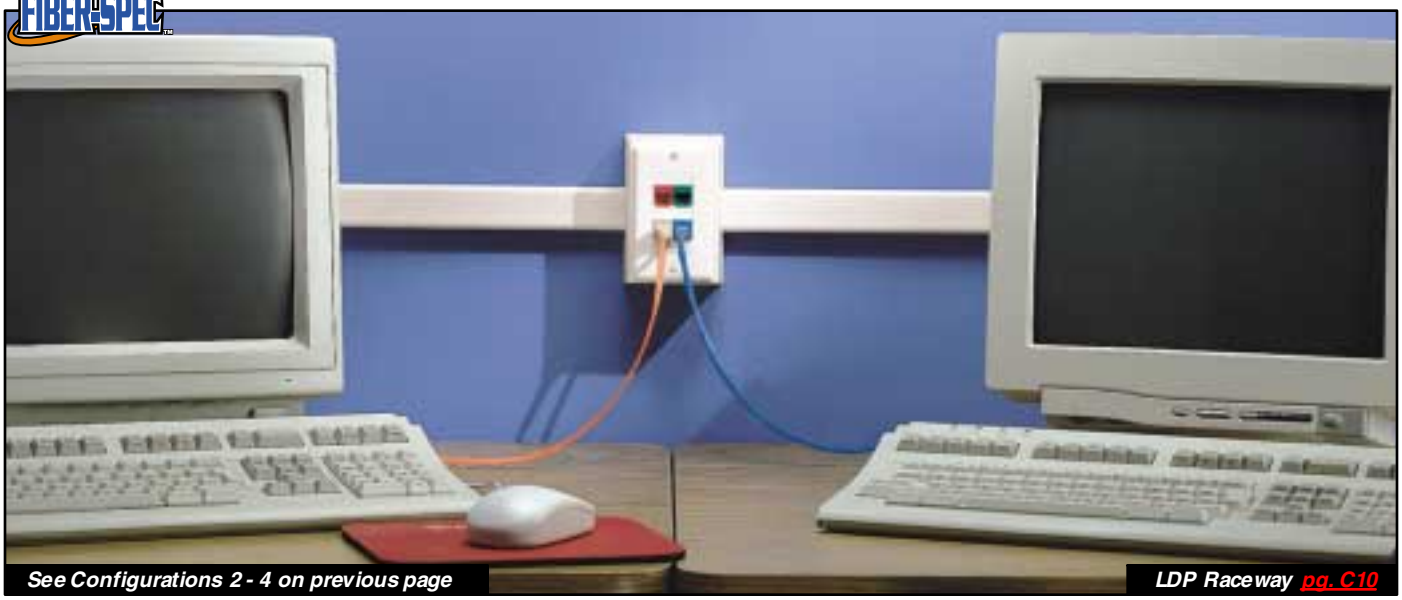
- Uses selected manufacturers' standard communication faceplates
- Panduit® Styles available, for more information refer to page xii

Components Required	Data Only		See Page
1. LDP/LD/LDS or CD Raceway	X		C10-C13
2. Most Mfg. U.S. Screw-On Standard Communication Faceplates (see page listed for Panduit styles)	X		—
3. Manufacturers' inserts and/or modules	X		—
4. Low Voltage Surface Mount Outlet Box (7 styles to choose from)	X		E3

Note: For data area(s) and fill capacity information see page C17-C18

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ LD Profile Raceways—System Features



LDP raceway is part of our ***FIBER-SPEC***™ raceway family. ***FIBER-SPEC*** raceways are designed specifically for high performance structured cabling systems. They provide the TIA/EIA required bend radius, security/tamper resistance, and access to the required one meter of fiber slack.

The standard depth power surface mount outlet box provides a durable, secure way of mounting electrical devices and faceplates.

The deep one-piece surface mount outlet box provides the extra space needed to maintain the TIA/EIA required bend radius.

The unique right angle entrance end fitting allows cables to enter through the wall into the raceway, while maintaining the TIA/EIA required bend radius.

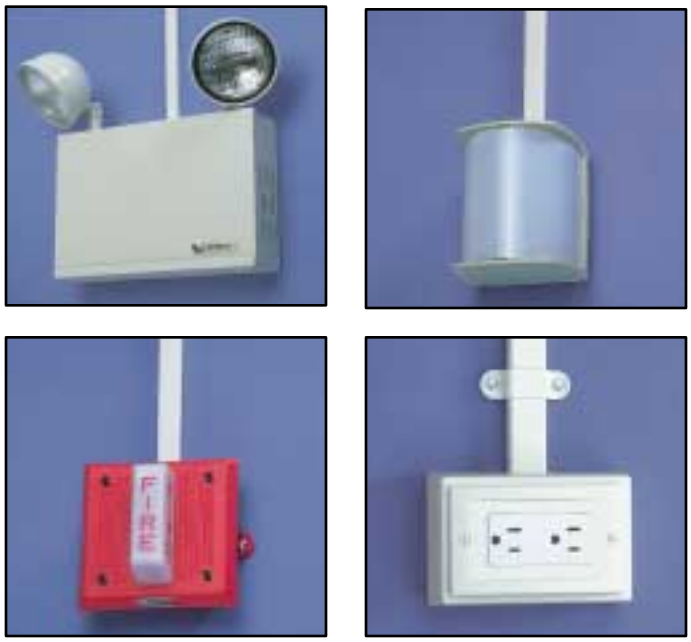
New! multichannel LD2P10 is a convenient way to route both power and data cables to a computer work station. It provides lowest installed cost by eliminating the need for multiple boxes and faceplates.

The New! Double Gang Divided Surface Mount Outlet Boxes when used with module frames place data & power outlets at the same convenient location.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ LD Profile Raceways—System Features

The Drop Ceiling/Entrance End fitting allows for a transition out of the ceiling and into any LD Profile raceway (LDS5 shown) without having to cut the metal ceiling support.

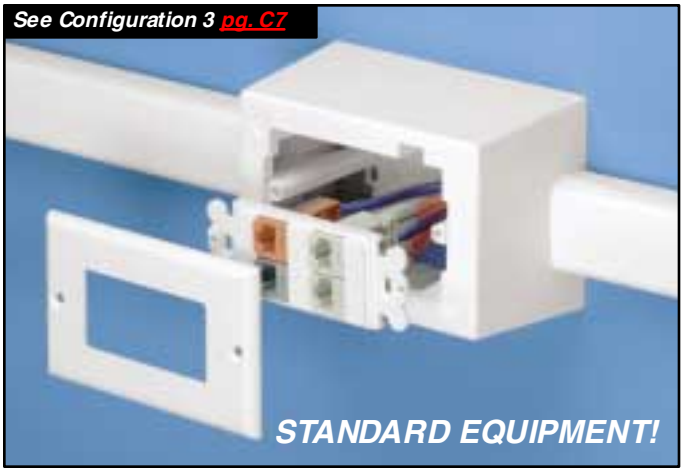


LD Profile raceways may be used in a variety of applications including fire alarms, security, emergency lighting and power. (LDS3 & LDS5 raceway shown)

The LDS can be transitioned to and from LDP (as shown above) to get around obstacles on the wall.

The one-piece Type LDS raceway is **bendable** and allows you to get around obstacles such as conduit, existing raceway, mouldings, and offsets in the wall (in low voltage applications.)

LDS has the same external dimensions as all the LD Profile raceways and works with the same fittings. This allows for the transition to LDS, bend around the object, then transition back to LD, LDP, or CD.



As with all Panduit Raceways standard devices and faceplates are readily accepted.

Our New ***FAST-SNAP***™ Surface Mount Outlet Boxes accept ***PAN-WAY*** Snap-On Faceplates to provide lowest installed cost.

PAN-WAY™ Type LDP Surface Raceway

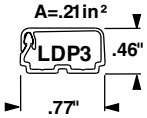
PAN-WAY Type LDP Surface Raceway is a single channel raceway designed to route, protect and conceal data, voice, video, fiber-optic or power cabling.

Type LDP Raceway Benefits:

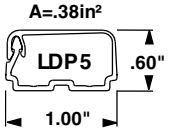
- Power rated to 600V(UL), 300V(CSA). Meets **New! UL5A** and CSA 22.2 No. 62-93 standards
- Extremely tamper resistant latch for School & University applications
- One-piece hinged design allows cables to be laid in
- Factory applied adhesive backing speeds installation
- NEW! Now FT-4 Rated for Canada

NEW Sizes!

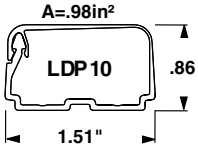
LDP3



LDP5



LDP10



Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors[u]
8 ft. lengths		**10 ft. lengths**		
LDP3—Surface Raceway				
LDP3IW8-A	160ft.	LDP3IW10-A	200ft.	Off White
LDP5—Surface Raceway				
LDP5IW8-A	160ft.	LDP5IW10-A	200ft.	Off White
LDP10—Surface Raceway				
LDP10IW8-A	160ft.	LDP10IW10-A	200ft.	Off White
Tamper resistant one-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.				

NOTE: LDP Raceway requires screw mounting if it is being used for power cabling applications.

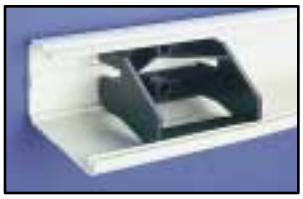
[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). Contact factory for details.

ORDING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See page C14-C15 for fittings

NEW!

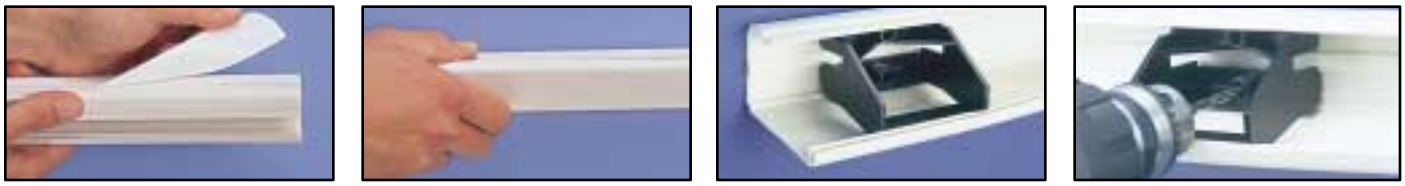
LD/LDP/LD2P Raceway Installation Tool



Part Number	Description		Std. Pkg. Qty.	Std. Ctn. Qty.
LDP Raceway Installation Tool				
LDW3-V	Optional installation tool for use with Type LD3/LDP3 raceways.	Serves as guide for drill bit in screw mount applications. Holds LD/LDP/LD2P raceway cover open during installation	5 pcs.	50 pcs.
LDW5-V	Optional installation tool for use with Type LD5/LDP5 raceways.		5 pcs.	50 pcs.
LDW10-V	Optional installation tool for use with Type LD10/LDP10/LD2P10 raceways.		5 pcs.	50 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Optional Mounting Method



Raceway mounts easily to smooth, clean interior surfaces, however, not all surfaces are suitable for adhesive mounting. In these applications, use the foam tape as a temporary mounting means. Insert the raceway installation tool to facilitate screw installation.

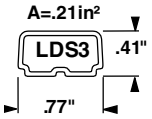
PAN-WAY™ Type LDS Surface Raceway

PAN-WAY Type LDS Surface Raceway is a single channel, solid one-piece, economical raceway designed to route, protect and conceal data, voice, video or power cabling.

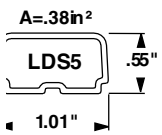
Type LDS Raceway Benefits:

- Power rated to 600V(UL), 300V(CSA). Meets **New! UL5A** and CSA 22.2 No. 62-93 standards
- NEW! Now FT-4 Rated for Canada
- Type LDS is **the only non-metallic raceway that is bendable** in low voltage applications to route around and over obstructions
- Extreme tamper resistance
- Factory applied adhesive backing speeds installation

LDS3



LDS5



Part Number	Description	Std. Ctn. Qty.	Colors[u]
	10 ft. lengths		
LDS3—Surface Raceway			
LDS3IW10-A	Tamper resistant one-piece surface raceway. Supplied with pre-applied adhesive backed tape.	200 ft.	Off White
LDS5—Surface Raceway			
LDS5IW10-A	Tamper resistant one-piece surface raceway. Supplied with pre-applied adhesive backed tape.	200 ft.	Off White

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

NOTE: LDS Raceway requires screw mounting using the LMD Mounting Straps if it is being used for power cabling applications.

NOTE 2: LMD Mounting Straps are recommended in low voltage applications for use near a bend in Type LDS raceway.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See *page C14-C15* for fittings

Method for Bending Type LDS Raceway (Low Voltage Applications)

Step 1: Slide 18 to 30" section of LDS Raceway into PVC pipe heating blanket.* (Recommend blanket designed for bending 1/2" to 1 1/2" PVC conduit.)

*Heating blanket not provided by Panduit®

Step 2: Allow section to heat approximately 2-3 minutes. Raceway will be soft and pliable but should not stretch. (Time will vary with blanket temperature and raceway size.)

Step 3: Remove raceway section from blanket and hold in desired position until the raceway cools. Install mounting straps immediately.

Accessories — Mounting Straps

- Straps are made of 94V-0 impact resistant ABS/polycarbonate material
- Wide enough to be used as coupler between raceway sections

Part Number	Used with LDS & LDP Size	Description	Colors[u]	Std. Pkg Qty.	Std. Ctn. Qty.
LMD—Mounting Straps					
LMD3IW-Q	Size 3	Mounted to raceway when running power cables to provide complete tamper resistance and comply with UL listing requirements.	Off White	25 pcs.	100 pcs.
LMD5IW-Q	Size 5		Off White	25 pcs.	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-WAY™ Type LD Surface Raceway

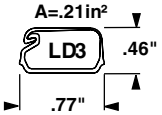
PAN-WAY Type LD Surface Raceway is a single channel raceway designed to route, protect and conceal data, voice and video cabling.

Type LD Raceway Benefits:

- One-piece hinged design allows cables to be laid in
- NEW! Now FT-4 Rated for Canada
- Factory applied adhesive backing speeds installation

NEW Sizes!

LD3

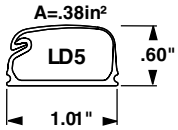


LD3—Surface Raceway

6 ft. lengths		8 ft. lengths		10 ft. lengths		
LD3IW6-A	120 ft.	LD3IW8-A	160 ft.	LD3IW10-A	200 ft.	Off White
One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.						

u All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray). WH (White), and BR (Brown). Contact factory for details.

LD5

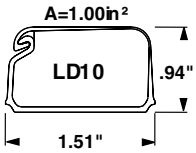


LD5—Surface Raceway

6 ft. lengths		8 ft. lengths		10 ft. lengths		
LD5IW6-A	120 ft.	LD5IW8-A	160 ft.	LD5IW10-A	200 ft.	Off White
One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.						

u All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray). WH (White), BR (Brown), and BL (Black). Contact factory for details.

LD10



LD10—Surface Raceway

6 ft. lengths		8 ft. lengths		10 ft. lengths		
LD10IW6-A	120 ft.	LD10IW8-A	160 ft.	LD10IW10-A	200 ft.	Off White
One-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.						

u All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray). WH (White), and BR (Brown). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See *page C14-C15* for fittings

PAN-WAY™ Type CD Surface Raceway

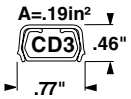
PAN-WAY Type CD Surface Raceway is a single channel, two-piece raceway, designed to route, protect and conceal data, voice and video cabling.

Type CD Raceway Benefits:

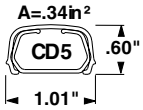
- Unique base design allows wires to be laid in
- Factory applied adhesive backing on base speeds installation
- NEW! Now FT-4 Rated for Canada

CD Surface Raceway Cover—6 ft Lengths

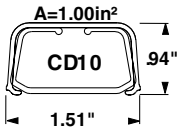
CD3



CD5



CD10



Part Number	Description	Colors[u]	Std. Length	Std. Ctn. Qty.
CD—Raceway Cover				
CD3IW6	Cover of two-piece raceway. Covers snap onto adhesive backed bases.	Off White	6 ft.	120ft.
CD5IW6	Cover of two-piece raceway. Covers snap onto adhesive backed bases. This size also snaps onto screw mounted metal base below.	Off White	6 ft.	120ft.
CD10IW6	Cover of two-piece raceway. Covers snap onto adhesive backed bases. This size also snaps onto screw mounted metal base below.	Off White	6 ft.	120ft.

[u] All parts listed in Off White (IW) color. To order Electrical Ivory substitute EI for IW in above part numbers. Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

CD Surface Raceway Base—6 ft Lengths, Short Pieces & Metal Base Clips

CDB

CDC

Part Number	Used with Raceway Cover	Description	Std. Length	Std. Ctn. Qty.
CD—6' Lengths Adhesive Backed Base (for mounting on smooth surfaces)				
CDB36-A **CDB56-A** **CDB106-A**	CD3 CD5 CD10	For increased adhesion and impact resistance. Cables are laid into base prior to the cover being snapped on.	6 ft.	120ft.
CD—Short Pieces Adhesive Backed Base				
CDB3S-A-L **CDB5S-A-L** **CDB10S-A-L**	CD3 CD5 CD10	For lighter loads. Cables are laid into base prior to the cover being snapped on. Recommended minimum of 4 pieces for each 6 feet of cover.	1.5 in. 2.0 in. 2.0 in.	50 pcs.
CD—Screw Mounted Metal Base Clips (For mounting on uneven surfaces)				
CDC5-L **CDC10-L**	CD5 CD10	Cables are laid into base clips prior to the cover being snapped on. Recommended minimum of 4 pieces per each 6 feet of cover. *Recommend #6 or #8 screw*	—	50 pcs.

ORDERING INFORMATION:
Order number of feet/pieces required in multiples of Standard Length Increment or Standard Carton Quantity.

See *page C14-C15* for fittings

Standard Fittings for Low Voltage Applications

CF

ICF

OCF

RAF

ECF

TF

DCF

RF

Description	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors[u]	Std. Ctn. Qty.
	Size 3		Size 5		Size 10			
Coupler Fitting	CF3IW-E	20 pcs.	CF5IW-E	20 pcs.	CF10IW-X	10 pcs.	Off White	100 pcs.
Inside Corner Fitting	ICF3IW-E	20 pcs.	ICF5IW-E	20 pcs.	ICF10IW-X	10 pcs.	Off White	100 pcs.
Outside Corner Fitting	OCF3IW-E	20 pcs.	OCF5IW-E	20 pcs.	OCF10IW-X	10 pcs.	Off White	100 pcs.
Right Angle Fitting	RAF3IW-E	20 pcs.	RAF5IW-E	20 pcs.	RAF10IW-X	10 pcs.	Off White	100 pcs.
End Cap Fitting	ECF3IW-E	20 pcs.	ECF5IW-E	20 pcs.	ECF10IW-X	10 pcs.	Off White	100 pcs.
Tee Fitting	TF3IW-E	20 pcs.	TF5IW-E	20 pcs.	TF10IW-X	10 pcs.	Off White	100 pcs.
Drop Ceiling/ Entrance End	DCF3IW-X	10 pcs.	DCF5IW-X	10 pcs.	DCF10IW-X	10 pcs.	Off White	100 pcs.
Reducer Fitting	RF5X3IW-E	20 pcs.	RF10X5IW-X	10 pcs.	RF10X3IW-X	10 pcs.	Off White	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in Size 5 ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

1" Bend Radius Fittings for TIA/EIA Compliance

CFX

OCFX

ICFC

RAFC

ECFX

TFC

DCEFX

RFX

RAEFX

Description	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors[u]	Std. Ctn. Qty.
	Size 3		Size 5		Size 10			
Coupler Fitting	CFX3IW-X	10 pcs.	CFX5IW-X	10 pcs.	CFX10IW-X	10 pcs.	Off White	100 pcs.
Inside Corner Fitting	ICFC3IW-X	10 pcs.	ICFC5IW-X	10 pcs.	ICFC10IW-X	10 pcs.	Off White	100 pcs.
Outside Corner Fitting	OCFX3IW-X	10 pcs.	OCFX5IW-X	10 pcs.	OCFX10IW-X	10 pcs.	Off White	100 pcs.
Right Angle Fitting	RAFC3IW-X	10 pcs.	RAFC5IW-X	10 pcs.	RAFC10IW-X	10 pcs.	Off White	100 pcs.
End Cap Fitting	ECFX3IW-X	10 pcs.	ECFX5IW-X	10 pcs.	ECFX10IW-X	10 pcs.	Off White	100 pcs.
Tee Fitting	TFC3IW-X	10 pcs.	TFC5IW-X	10 pcs.	TFC10IW-X	10 pcs.	Off White	100 pcs.
Drop Ceiling/ Entrance End	DCEFXIW-X	10 pcs.	DCEFXIW-X	10 pcs.	DCEFXIW-X	10 pcs.	Off White	100 pcs.
Right Angle Entrance End	RAEFXIW-X	10 pcs.	RAEFXIW-X	10 pcs.	RAEFXIW-X	10 pcs.	Off White	100 pcs.
Reducer Fitting	RFX53IW-X	10 pcs.	RFX105IW-X	10 pcs.	RFX103IW-X	10 pcs.	Off White	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in select Size 5 Fittings ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Power Rated Fittings for Power to 600V

CFX

OCFC

ICFX

RAFX

ECFX

TFX

DCEFX

RFX

RAEFX

Description	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors[u]	Std. Ctn. Qty.
	Size 3		Size 5		Size 10			
Coupler Fitting	**CFX3IW-X**	10 pcs.	**CFX5IW-X**	10 pcs.	**CFX10IW-X**	10 pcs.	Off White	100 pcs.
Inside Corner Fitting	**ICFX3IW-X**	10 pcs.	**ICFX5IW-X**	10 pcs.	**ICFX10IW-X**	10 pcs.	Off White	100 pcs.
Outside Corner Fitting	**OCFC3IW-X**	10 pcs.	**OCFC5IW-X**	10 pcs.	**OCFC10IW-X**	10 pcs.	Off White	100 pcs.
Right Angle Fitting	**RAFX3IW-X**	10 pcs.	**RAFX5IW-X**	10 pcs.	**RAFX10IW-X**	10 pcs.	Off White	100 pcs.
End Cap Fitting	**ECFX3IW-X**	10 pcs.	**ECFX5IW-X**	10 pcs.	**ECFX10IW-X**	10 pcs.	Off White	100 pcs.
Tee Fitting	**TFX3IW-X**	10 pcs.	**TFX5IW-X**	10 pcs.	**TFX10IW-X**	10 pcs.	Off White	100 pcs.
Drop Ceiling/ Entrance End	**DCEFXIW-X**	10 pcs.	**DCEFXIW-X**	10 pcs.	**DCEFXIW-X**	10 pcs.	Off White	100 pcs.
Right Angle Entrance End	**RAEFXIW-X**	10 pcs.	**RAEFXIW-X**	10 pcs.	**RAEFXIW-X**	10 pcs.	Off White	100 pcs.
Reducer Fitting	**RFX53IW-X**	10 pcs.	**RFX105IW-X**	10 pcs.	**RFX103IW-X**	10 pcs.	Off White	100 pcs.

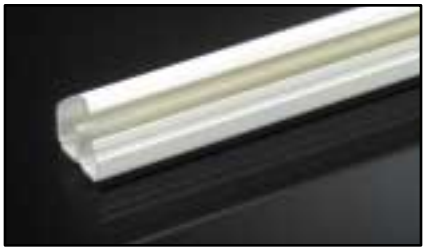
[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in select Size 5 Fittings ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

PAN-WAY™ Type LD2P Multi-Channel Surface Raceway

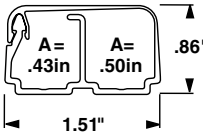
PAN-WAY Type LD2P Surface Raceway is a two channel raceway designed to route, protect and conceal data, voice, video, fiber-optic **and** power cabling.



Type LD2P Raceway Benefits:

- Power rated to 600V(UL), 300V(CSA). Meets **New! UL5A** and CSA 22.2 No. 62-93 standards
- NEW! Now FT-4 Rated for Canada
- Routes Power & Data together!
- Extremely tamper resistant latch for School & University applications
- One-piece hinged design allows cables to be laid in
- Factory applied adhesive backing speeds installation

LD2P10



NEW!

Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors[u]
LD2P10—Surface Raceway				
8 ft. lengths		**10 ft. lengths**		
LD2P10IW8-A	160ft.	**LD2P10IW10-A**	200ft.	Off White
Two channel tamper resistant one-piece latching surface raceway. Supplied with pre-applied adhesive backed tape.				

NOTE: LD2P Raceway requires screw mounting if it is being used for power cabling applications

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

See page C10 for LDW10-V Installation Tool.

Multi-Channel Fittings for Multi-Channel Power & Low Voltage Applications

NEW!

EEFX

Part Number	Description	Colors[u]	Std. Pkg. Qty.	Std. Ctn. Qty.
CFX10IW-X	Coupler Fitting	Off White	10 pcs.	100 pcs.
ICFX10IW-X	Inside Corner Fitting	Off White	10 pcs.	100 pcs.
OCFX10IW-X	Outside Corner Fitting	Off White	10 pcs.	100 pcs.
RAFX10IW-X	Right Angle Fitting	Off White	10 pcs.	100 pcs.
ECFX10IW-X	End Cap Fitting	Off White	10 pcs.	100 pcs.
TFXD10IW-X	Tee Fitting with Divided Insert	Off White	10 pcs.	100 pcs.
EEFXIW	Entrance End Fitting	Off White	1 pc.	10 pcs.

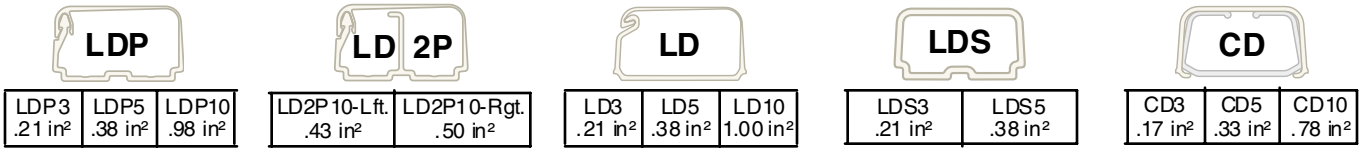
[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Maintains TIA/EIA 568-A and 569-A minimum 1" cable bend radius

Fill Capacities for LD Profile Raceways

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.



SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)*

Fill Capacity Table for: ·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Type	Electrical Cables			Voice Grade Cables						Data Grade Cables			
	14	12	10	24 AWG UTP CM/CMR						24 AWG/UTP CM			
	THHN/T90			2 pr		3 pr		4 pr		25 pr		**Cat. 5** 4 pr	
	0.105	0.122	0.153	DIA.=0.120		DIA.=0.150		DIA.=0.190		DIA.=0.422		DIA.=0.217	
	FILL			FILL		FILL		FILL		FILL		FILL	
	MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	•	•	•	7	11	4	7	2	4	—	—	2	3
LD5	•	•	•	13	20	8	12	5	8	1	1	4	6
LD10	•	•	•	35	53	22	33	14	21	2	4	10	16
LDP3	9	6	4	7	11	4	7	2	4	—	—	2	3
LDP5	10	8	5	13	20	8	12	5	8	1	1	4	6
LDP10*	12	7	5	34	51	22	13	14	20	2	4	10	15
LD2P10-Left Channel	14	11	8	15	22	9	14	6	9	1	1	4	6
LD2P10-Rgt. Channel	**	**	**	17	26	11	16	7	10	1	2	5	8
LDS3	9	6	4	7	11	4	7	2	4	—	—	2	3
LDS5	10	8	5	13	20	8	12	5	8	1	1	4	6
CD3	•	•	•	6	9	3	5	2	3	—	—	1	2
CD5	•	•	•	11	17	7	11	4	6	—	1	3	5
CD10	•	•	•	27	41	17	20	11	16	2	3	8	12

* LDP10 raceway not approved for use with T90 wire; NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration; • Not power rated

Fill Capacity Table for: ·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·Type 1A STP

Raceway Type	Data Grade Cables													
	24 AWG				22 AWG								Type 1A 22 AWG STP CM	
	STP CM				UTP CM				STP CM					
	25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
	DIA.=0.512		DIA.=0.250		DIA.=0.544		DIA.=0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	—	—	1	2	—	—	1	2	—	—	1	1	—	—
LD5	—	1	2	4	—	—	3	5	—	—	2	3	1	1
LD10	1	2	8	12	1	2	9	13	1	1	6	9	2	4
LDP3	—	—	1	2	—	—	1	2	—	—	1	1	—	—
LDP5	—	1	2	4	—	—	3	5	—	—	2	3	1	1
LDP10*	1	2	7	11	1	2	9	13	1	1	6	9	2	3
LD2P10-Left Channel	—	1	3	5	—	2	3	5	—	—	2	4	1	1
LD2P10-Rgt. Channel	—	1	4	6	—	1	4	6	—	—	3	4	1	2
LDS3	—	—	1	2	—	—	1	2	—	—	—	1	—	—
LDS5	—	1	2	4	—	—	3	5	—	—	2	3	—	—
CD3	—	—	1	2	—	—	1	2	—	—	1	1	—	—
CD5	—	—	2	4	—	—	3	4	—	—	2	3	—	1
CD10	1	2	6	9	1	2	7	10	—	1	4	7	2	3

NOTE: See page xiv-xv for further explanation of wirefill data.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Fill Capacities for LD Profile Raceways

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

LDP3 .21 in²	LDP5 .38 in²	LDP10 .98 in²

LD2P10-Lft. .43 in²	LD2P10-Rgt. .50 in²

LD3 .21 in²	LD5 .38 in²	LD10 1.00 in²

LDS3 .21 in²	LDS5 .38 in²

CD3 .17 in²	CD5 .33 in²	CD10 .78 in²

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)

Fill Capacity Table for: ·Coax Cables

Raceway Type	Coax Cables									
	RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
	DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
	FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	1	2	—	—	2	4	1	2	2	3
LD5	2	3	1	1	5	7	3	4	3	5
LD10	6	10	3	4	13	20	8	13	9	13
LDP3	1	2	—	—	2	4	1	2	2	3
LDP5	3	4	1	1	5	7	3	4	3	5
LDP10*	6	10	3	4	13	20	8	12	9	13
LD2P10-Left Channel	3	4	1	1	5	8	3	5	4	6
LD2P10-Rgt. Channel	3	5	1	2	6	10	4	6	4	7
LDS3	1	2	—	—	2	4	1	2	2	3
LDS5	2	3	1	1	5	7	3	4	3	5
CD3	1	1	—	—	2	3	1	2	2	3
CD5	2	3	1	1	4	6	2	4	4	5
CD10	5	8	2	3	10	15	6	10	9	13

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Type	Fiber Optic Cables (62.5/125mm)						Signal Cables							
	2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
	DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
	FILL		FILL		FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
LD3	3	5	4	5	2	3	24	36	32	49	42	64	55	82
LD5	6	9	6	9	4	6	44	66	59	89	77	116	99	149
LD10	16	24	16	24	11	17	6	175	156	235	203	305	263	394
LDP3	3	5	3	5	2	3	25	37	32	49	42	64	55	82
LDP5	6	9	6	9	4	6	44	67	59	89	77	116	99	149
LDP10	16	24	16	16	11	16	114	171	153	270	199	299	257	386
LD2P10-Left Channel	7	10	7	11	4	7	50	75	67	101	87	131	113	169
LD2P10-Rgt. Channel	8	12	8	12	5	8	58	87	78	117	101	152	131	197
LDS3	3	5	3	5	2	3	24	36	32	49	42	64	55	82
LDS5	6	9	6	9	4	6	44	66	59	89	77	116	99	149
CD3	2	4	4	6	1	2	19	29	26	39	34	51	44	67
CD5	5	8	7	10	3	5	38	57	51	77	67	100	86	130
CD10	12	19	17	25	9	13	91	136	122	183	158	238	205	307

NOTE: See page xiv-xv for further explanation of wirefill data.

PAN-WAY™ Type PD Surface Raceways

Type PD for Power or Communications Cabling

PAN-WAY Type PD Surface Raceway provides a complete system for routing and protecting either power or communication cabling.

Type PD Raceway is a two piece, low profile, single channel raceway system.

Type PD Raceway offers exceptional tamper resistance.

Panduit *PAN-WAY* Type PD Raceway provides the following key benefits:

- UL-5A Listed to 600 V and CSA 22.2 No. 62-93 Listed to 300 V
- Superior tamper resistance, ideal for school and university applications
- Extremely impact resistant
- 2 sizes to meet your application requirements
- Four standard colors available to blend with surrounding decor
- Selection of fittings to speed installation
- Available in 6', 8' and 10' lengths

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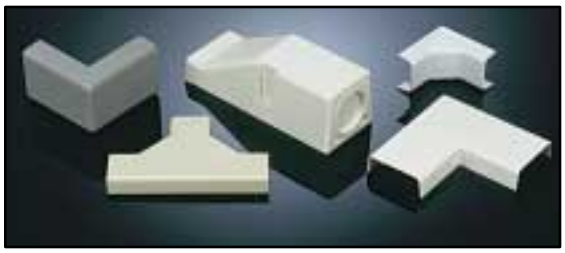
Surface Raceway D7
1 2 3 4 Configurations D4-D5



PAN-WAY Type PD
Fittings D8

Fill Capacity Information D9-D10

Additional Related Products

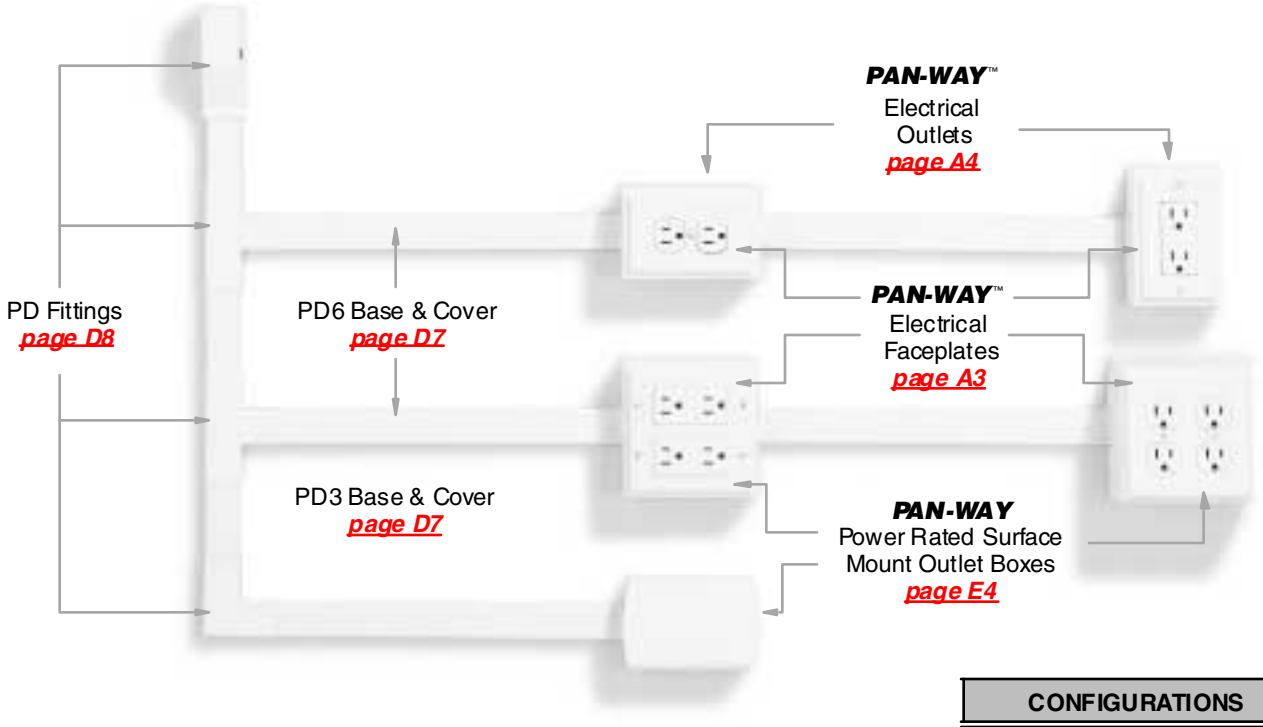
PAN-WAY Faceplates A3

PAN-WAY Surface Mount Outlet Boxes E3-E5

PAN-WAY Accessories H1

PAN-WAY™ Type PD Raceways—Roadmap

Power ONLY Applications

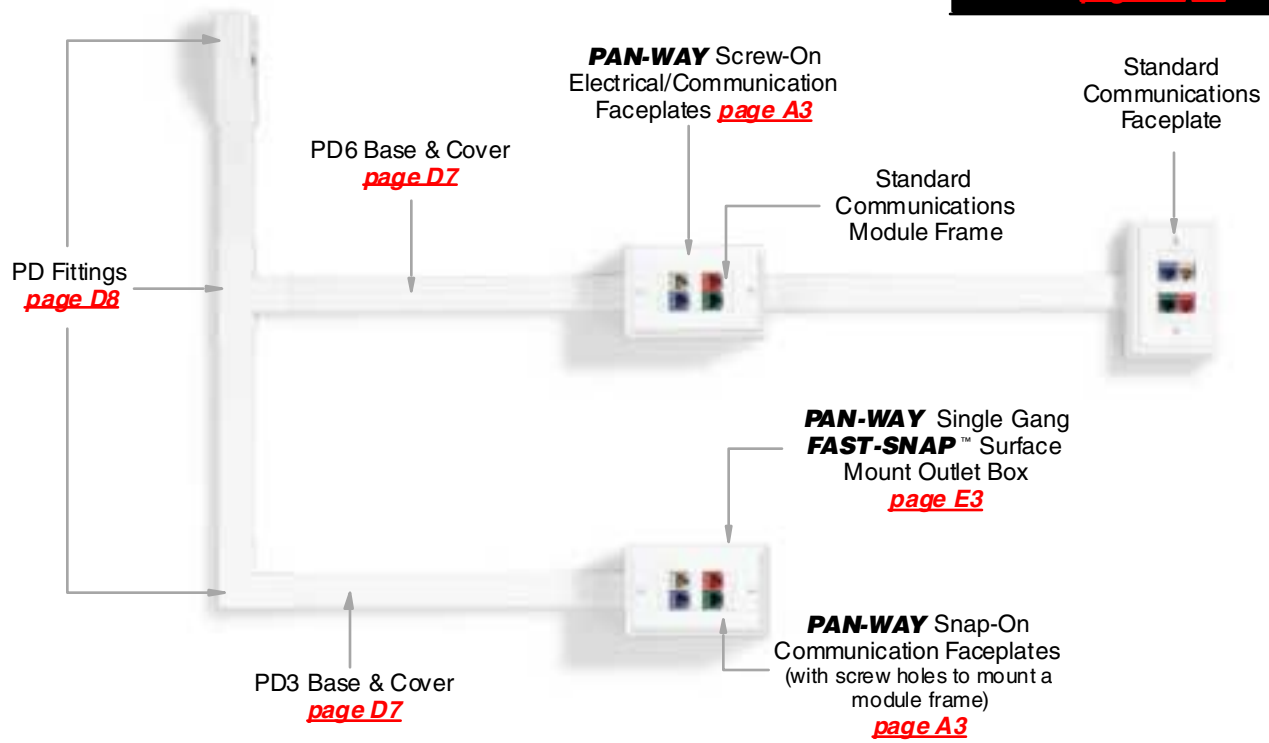


CONFIGURATIONS

1 2 3 4

See page D4-E5

Data ONLY Applications



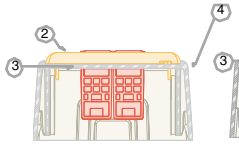
PAN-WAY™ PD Raceway Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

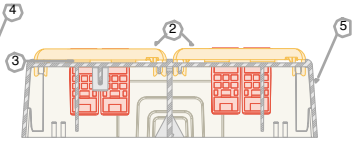
1 PAN-WAY Snap-On Electrical/Communications Faceplates

Configurations for this faceplate style not currently available.

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)



Data Only (A)

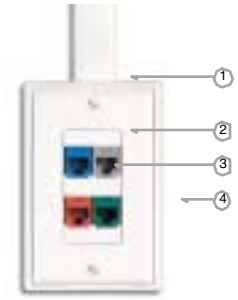


Data Only (B)

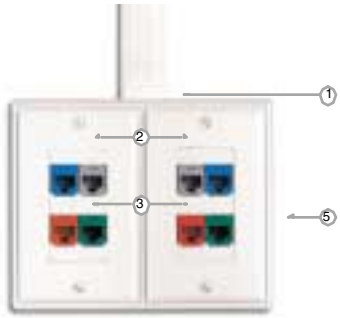
- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on **page vii**)
- ***FAST-SNAP***™ Boxes snap together for quick installation
- Data and Power box is divided to maintain separation

	Components Required	Data (A)	Data (B)	See Page
1.	PD3 or PD6 Raceway	X	X	D7
2.	Snap-On Electrical/Communication Faceplate(s) (with screw holes to mount a module frame)	X	X	A3
3.	Standard Communication Module Frame(s)	X	X	vii
4.	Single Gang ***FAST-SNAP*** Outlet Box	X		E3
5.	Double Gang ***FAST-SNAP*** Outlet Box		X	E3
6.	Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X	X	E5

Note: For data area(s) and fill capacity information see page D9-D10



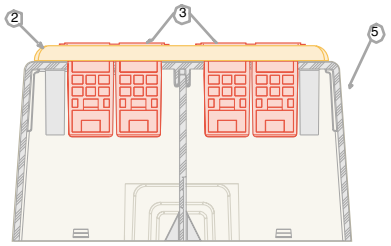
Data Only (A)



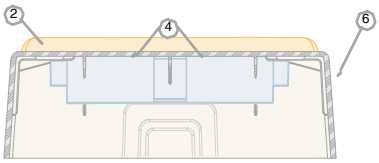
Data Only (B)

PAN-WAY™ PD Raceway Configurations Cont'd

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

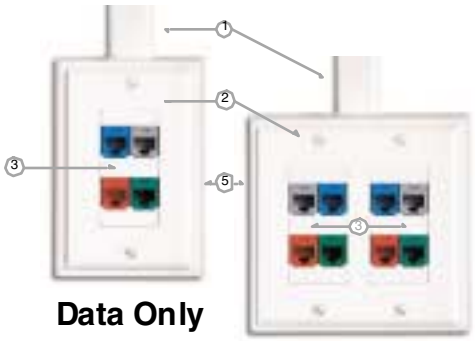


Data Only



Power Only

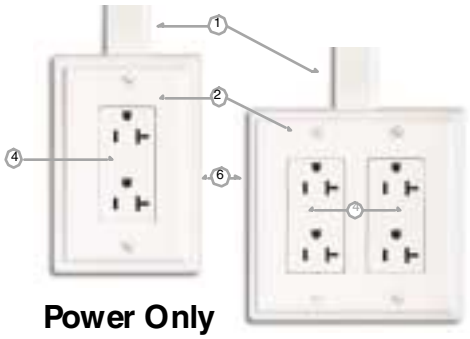
- U.S. Standard Screw-On Electrical Faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)



Data Only

Components Required	Data Only	Power Only		See Page
1. PD3 or PD6 Raceway	X	X		D7
2. U.S. Standard Screw-On Electrical/Communication Faceplate(s) (single or double gang available)	X	X		A3
3. Standard Communication Module Frame(s)	X			vii
4. PAN-WAY Electrical Outlet(s) (ERU20 shown)		X		A4
5. Low Voltage Surface Mount Outlet Boxes (7 styles to choose from)	X			E3
6. Power Rated Surface Mount Outlet Boxes (5 styles to choose from)		X		E4
7. Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X	X		E5

Note: For data area(s) and fill capacity information see page D9-D10



Power Only

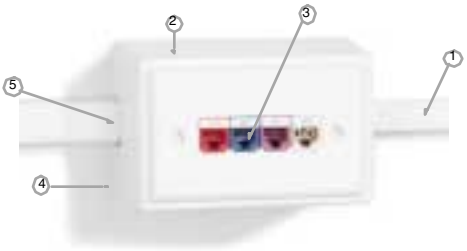
NEW!

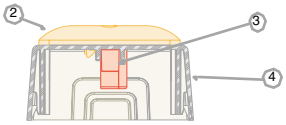
Optional for Power

- 20A Low Profile Surface Mount Outlet Box includes box, 20A outlet and cover in duplex rectangular or 106 styles

Components Required	Power Only		See Page
1. PD3 or PD6 Raceway	X		D7
2. 20A Low Profile Rectangular or 106 Style Surface Mount Outlet Boxes (include box, 20A outlet & self cover)	X		A4
3. Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X		E5

4 U.S. Standard Screw-On Communication Faceplates





- Uses selected manufacturers' standard communication faceplates
- Panduit® Styles available, for more information refer to **page xii**

Components Required	Data Only		See Page
1. PD3 or PD6 Raceway	X		D7
2. Most Mfg. U.S. Screw-On Standard Communication Faceplates (see page listed for Panduit styles)	X		—
3. Manufacturers' inserts and/or modules	X		—
4. Low Voltage Surface Mount Outlet Box (7 styles to choose from)	X		E3
5. Raceway Adapter (BA3 or BA6) to adapt PD to LD10 box breakout	X		E5

Note: For data area(s) and fill capacity information see page D9-D10

PAN-WAY™ Surface Raceway Applications

PAN-WAY **Type PD Surface Raceway is ideal for power or low voltage cabling applications. It can be used anywhere power or low voltage cabling is required including offices, factories, schools, universities, etc.**

NEMA Standard Faceplates can be mounted to surface mount outlet boxes for use with Type PD Raceway in network cabling applications.

The "Flexible" fitting can be used to route Type PD Raceway installation around or over obstacles. (See page D8)

Type PD Raceway can be connected directly to conduit with the "Entrance End" fitting. (See page D8)

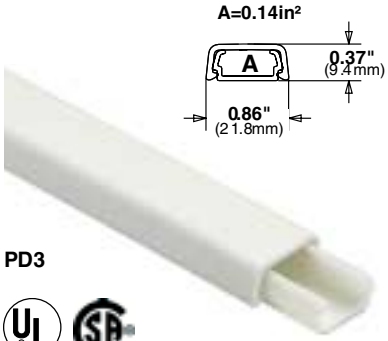
PAN-WAY™ Type PD Surface Raceway

PAN-WAY Type PD Surface Raceway is a single channel raceway system to route, protect and conceal power, data, voice, or video cabling.

PD System Benefits:

- **UL-5A Listed** to 600 V and CSA 22.2 No. 62-93 Listed to 300 V
- NEW! Now FT-4 Rated for Canada
- Extremely tamper resistant for School & University applications

Type PD Raceway Bases and Covers



PD3

5A LISTED

PD6

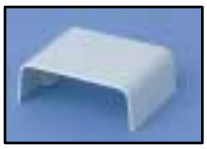
5A LISTED

6 ft. Part Number	Std. Ctn. Qty.	8 ft. Part Number	Std. Ctn. Qty.	10 ft. Part Number	Std. Ctn. Qty.	Color[u]
Type PD3 Raceway Base and Cover						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD3IW6	120 ft.	**PD3IW8**	160 ft.	**PD3IW10**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base without adhesive backing. Cover Dimensions: .86(21.8mm)x.37(9.4mm)						
Type PD3 Raceway Base and Cover - Adhesive Backed						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD3IW6-A	120 ft.	**PD3IW8-A**	160 ft.	**PD3IW10-A**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base with pre-applied adhesive backing to speed installation.						
Type PD6 Raceway Base and Cover						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD6IW6	**120 ft.**	**PD6IW8**	160 ft.	**PD6IW10**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base without adhesive backing. Cover Dimensions: 1.33(33.8mm)x.46(11.6mm)						
Type PD6 Raceway Base and Cover - Adhesive Backed						
6 ft. lengths		**8 ft. lengths**		**10 ft. lengths**		
PD6IW6-A	120 ft.	**PD6IW8-A**	160 ft.	**PD6IW10-A**	200 ft.	Off White
Raceway Base and Cover packaged together. Raceway Base with pre-applied adhesive backing to speed installation.						

[u] All parts listed in Off White (IW) color. To order Electrical Ivory substitute EI for IW in above part numbers. Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.
NOTE: Type PD Raceway Base requires screw mounting if it is being used for power cabling applications.

PAN-WAY Type PD Raceway Fittings

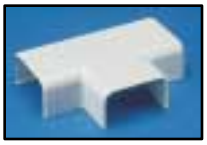

Coupler Fitting

Inside Corner Fitting

Right Angle Fitting

Entrance End Fitting
Breakout for 1/2" conduit

Outside Corner Fitting


Tee Fitting

Flexible Fittings

Flexible Fittings

End Cap Fitting

Wire Retainer
For use with PD6 Raceway

Part Number	Description	Color[u]	Std. Pkg. Qty.	Std. Ctn. Qty.
PCF3IW-X	Type PD3 – Coupler Fitting	Off White	10 pcs.	100 pcs.
PCF6IW-X	Type PD6 – Coupler Fitting	Off White	10 pcs.	100 pcs.
PICF3IW-X	Type PD3 – Inside Corner Fitting	Off White	10 pcs..	100 pcs.
PICF6IW-X	Type PD6 – Inside Corner Fitting	Off White	10 pcs.	100 pcs.
PRAF3IW-X	Type PD3 – Right Angle Fitting	Off White	10 pcs.	100 pcs.
PRAF6IW-X	Type PD6 – Right Angle Fitting	Off White	10 pcs.	100 pcs.
PEEF36IW-X	Type PD3 and PD6 – Entrance End Fitting	Off White	10 pcs.	100 pcs.
POCF3IW-X	Type PD3 – Outside Corner Fitting	Off White	10 pcs.	100 pcs.
POCF6IW-X	Type PD6 – Outside Corner Fitting	Off White	10 pcs.	100 pcs.
PTF3IW-X	Type PD3 – Tee Fitting	Off White	10 pcs.	100 pcs.
PTF6IW-X	Type PD6 – Tee Fitting	Off White	10 pcs.	100 pcs.
PFF36EI18	Type PD3 and PD6 – Flexible Fitting for “Raceway to Raceway”	Elec. Ivory	1 pc.	10 pcs.
PFBC36EI18	Type PD3 and PD6 – Flexible Fitting for “Raceway to Conduit Junction Box”	Elec. Ivory	1 pc.	10 pcs.
PECF3IW-X	Type PD3 – End Cap Fitting	Off White	10 pcs.	100 pcs
PECF6IW-X	Type PD6 – End Cap Fitting	Off White	10 pcs.	100 pcs.
PWR6-X	PD6 Wire Retainer	Natural	10 pcs.	100 pcs.

[u] All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

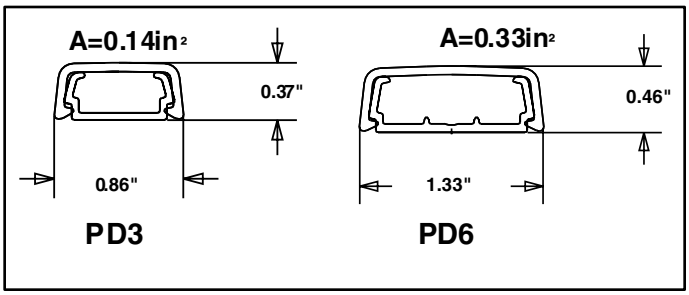
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Fill Capacities for Type PD Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temperature rise test for electrical*



Fill Capacity Table for:

·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Configurations	Electrical Cables AWG 14 THHN/T90 0.105 MAX	Electrical Cables AWG 12 THHN/T90 0.122 MAX	Electrical Cables AWG 10 THHN/T90 0.153 MAX	Voice Grade Cables 24 AWG UTP CM/CMR 2 pr DIA.= 0.120 FILL SPEC	2 pr FILL MAX	3 pr DIA.= 0.150 FILL SPEC	3 pr FILL MAX	4 pr DIA.= 0.190 FILL SPEC	4 pr FILL MAX	Data Grade Cables 24 AWG UTP CM 25 pr DIA.=0.422 FILL SPEC	25 pr FILL MAX	Cat. 5 4 pr DIA.=0.217 FILL SPEC	Cat. 5 4 pr FILL MAX
PD3	5	4	—	5	7	3	5	2	3	—	—	2	2
PD6	10	7	5	12	18	7	11	5	7	—	—	4	5
PD6 with retainer	10	7	5	7	11	5	7	3	4	—	—	2	3

NOTE: See page xiv-xv for further explanation of the wirefill data.

Fill Capacity Table for:

·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·Type 1A STP

Raceway Channel Configurations	Data Grade Cables 24 AWG STP CM 25 pr DIA.=0.512 FILL SPEC	25 pr FILL MAX	4 pr DIA.=0.250 FILL SPEC	4 pr FILL MAX	22 AWG UTP CM 25 pr DIA.= 0.544 FILL SPEC	25 pr FILL MAX	4 pr DIA.= 0.234 FILL SPEC	4 pr FILL MAX	22 AWG STP CM 25 pr DIA.=0.635 FILL SPEC	25 pr FILL MAX	4 pr DIA.=0.286 FILL SPEC	4 pr FILL MAX	1A 22 AWG STP CM DIA.=0.430 FILL SPEC	1A FILL MAX
PD3	—	—	1	2	—	—	1	2	—	—	—	—	—	—
PD6	—	—	3	4	—	—	3	5	—	—	2	3	—	—
PD6 with retainer	—	—	—	—	—	—	—	—	—	—	—	—	—	—

NOTE: See page xiv-xv for further explanation of the wirefill data.

Fill Capacities for Type PD Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temperature rise test for electrical*

Fill Capacity Table for:
·Coax Cables

Raceway Channel Configurations	Coax Cables									
	RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
	DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
	FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PD3	—	—	—	—	2	3	1	2	1	2
PD6	2	3	—	—	5	7	3	4	3	4
PD6 with retainer	—	—	—	—	3	4	—	—	—	—

NOTE: See *page xiv-xv* for further explanation of the wirefill data.

Fill Capacity Table for:
·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Configurations	Fiber Optic Cables (62.5/125mm)						Signal Cables							
	2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
	DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
	FILL		FILL		FILL		FILL		FILL		FILL		FILL	
	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PD3	2	3	2	3	2	2	16	25	22	33	29	43	37	55
PD6	5	8	5	8	4	6	39	58	52	78	67	101	87	130
PD6 with retainer	3	5	3	5	2	4	25	37	33	49	43	64	55	83

NOTE: See *page xiv-xv* for further explanation of the wirefill data.

Raceway Cutting Instructions:

·For Type PD Raceway, use Panduit Cutting Tool, Part No. SRT found on *page H1*.

Alternative method: For small quantities, use a fine tooth handsaw. For larger quantities, a fine tooth saw (10" dia., high speed steel, 1/16" thick, hollow ground to 2" collar diameter, 300 tooth, alternate top bevel, 14", no set blade) will produce good results.

PAN-WAY™ Surface Mount Outlet Boxes

PAN-WAY Surface Mount Outlet Boxes are available to mount, conceal and terminate power and communication cables with **PAN-WAY** Plastic Surface Raceway.

All are available in colors to match or complement the raceway.

Surface Mount Outlet Boxes

- One-gang and two-gang styles for fiber optic, low voltage and power applications
- New **FAST-SNAP**™ boxes and faceplates provide screwless installations
- Provide access to length of cable to facilitate termination
- Compatible with LD Profile or PD Raceways
- Power rated boxes UL 5A Listed to 600V and CSA Certified to 300V
- Select styles available in 6 colors
- **FAST-SNAP** boxes available in 4 colors

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For Power and Communications Cabling E3

PAN-WAY Low Voltage Surface Mount Outlet Boxes
For Communications Cabling E3

PAN-WAY Power Rated Surface Mount Outlet Boxes
For Power or Communications Cabling. E4

PAN-WAY Divided Surface Mount Outlet Boxes
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Raceway Adapters E5
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PAN-WAY™ FAST-SNAP™ Surface Mount Outlet Boxes

NEW! Communication Only!

JB1FS**-A

Accept *Snap-On* Faceplates!

NEW! Power & Communication!

JBP2FS

Accept *Snap-On* Faceplates!

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Single Gang *FAST-SNAP* Low Voltage Surface Mount Outlet Box				
JB1FSIW-A	Single gang snap-together cover and base with adhesive backing. Accepts ***PAN-WAY*** Snap-On Faceplates for data applications. L=5.00" W=3.26" H=1.62" Conduit breakouts: 1", ¾", ½" For use with single channel raceways.	Off White	1 pc.	10 pcs.
Double Gang *FAST-SNAP* Power Rated Surface Mount Outlet Box				
JBP2FSIW	Double gang snap-together cover and base. Accepts ***PAN-WAY*** Snap-On Faceplates for power and data applications. L=5.00" W=6.14" H=1.62" Conduit breakouts: 1", ¾", ½" For use with multi-channel raceways.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

PAN-WAY Low Voltage Surface Mount Outlet Boxes

NEW!

JBX3510**-A

New Improved Design!

JB1**-A

JB1D**-A

NEW!

JBP2

NEW!

JBP2D

RJBX3510

JBA-X

Part Number	Description	Color◆	Std. Pkg Qty.	Std. Ctn. Qty.
Single Gang Two-Piece Snap-Together Box				
JBX3510IW-A	Two-Piece box with adhesive backing. L=5.02" W=3.27" H=1.62" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Single Gang One-Piece Box				
JB1IW-A	One-Piece Box with adhesive backing. L=5.09" W=3.34" H=1.75" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Single Gang One-Piece Deep Box				
JB1DIW-A	One Piece Deep Box with adhesive backing. L=5.23" W=3.48" H=2.75" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Double Gang Two-Piece Box				
JBP2IW	Double Gang Box base & cover (screws included). L=5.05" W=5.05" H=1.62" Conduit breakouts: ¾", ½"	Off White	1 pc.	10 pcs.
Double Gang Two-Piece Deep Box				
JBP2DIW	Double Gang Deep Box base, cover and divider wall (screws included). L=5.14" W=5.18" H=2.75" Conduit breakouts: 1", ¾", ½"	Off White	1 pc.	10 pcs.
Round Two-Piece Box				
RJBX3510IW	Round Box base & cover (screws not included). DIA: 5.25" H=1.05" Conduit breakouts: 1", ¾"	Off White	1 pc.	10 pcs.
Round Box Adapter				
JBA-X	Adapts single gang surface mount outlet boxes to in-wall conduit boxes.		1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), BR (Brown) and BL (Black). Contact factory for details for availability of specific styles and colors

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

PAN-WAY™ Power Rated Surface Mount Outlet Boxes

NEW!

JBP1E

Low Profile Box

JBP1

JBP1I

NEW!

JBP1D

JBP2

NEW!

JBP2D

PSJBX

PRJBX36

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Power Rated Single Gang Two-Piece Low Profile Box				
JBP1EIW	Single Gang Low Profile Box—base and cover. L= 4.99" W=3.30" H=1.00" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Single Gang Two-Piece Box				
JBP1IW	Single Gang Box—base and cover. L= 5.19 W=3.45" H=1.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Single Gang Two-Piece Intermediate Box				
JBP1IIW	Single Gang Intermediate Box—base and cover. L= 5.12" W=3.38" H=2.27" Conduit breakouts: ½", ¾"	Off White	1 pc.	10 pcs.
Power Rated Single Gang Two-Piece Deep Box				
JBP1DIW	Single Gang Deep Box—base and cover. L= 5.19" W=3.26" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Double Gang Two-Piece Box				
JBP2IW	Double Gang Box—base & cover (screws included). L= 5.05" W=5.05" H=1.62" Conduit breakouts: ½", ¾"	Off White	1 pc.	10 pcs.
Power Rated Double Gang Two-Piece Deep Box				
JBP2DIW	Double Gang Deep Box—base, cover and divider wall (screws included). L= 5.19" W=5.19" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Two-Piece Power Source Box				
PSJBXIW	Power Source Box—base & cover (screws not included). L= 5.02" W=3.27" H=1.31" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Power Rated Two-Piece Round Box				
PRJBX36IW	Round Outlet Box—base & cover (screws not included). Dia: 5.25" H=1.05" Conduit breakouts: ¾", 1"	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), BR (Brown) and BL (Black). Contact factory for details for availability of specific styles and colors.

ORDERING INFORMATION:

Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

PAN-WAY™ Divided Surface Mount Outlet Boxes

JBP1D

JBD1

JBP2S

JBP2D

JBD2

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Power Rated Single Gang Two-Piece Deep Box				
JBP1DIW	Single Gang Deep Box—base and cover. L=5.19" W=3.26" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Single Gang Pass Through Divider for LD2P10 Raceway				
JBD1	Pass through divider allows power & communications outlets to be routed in series. Used with JBP1D box. Must use with LD2P10 Raceway.	—	1 pc.	10 pcs.
Power Rated Double Gang Three-Piece Divided Box				
JBP2SIW	Double Gang Box—base, cover and divider wall for power and data applications (screws included). L=5.05" W=5.05" H=1.62" Conduit breakouts: ½", ¾"	Off White	1 pc.	10 pcs.
Power Rated Double Gang Two-Piece Deep Box				
JBP2DIW	Double Gang Deep Box—base, cover and divider wall (screws included) L=5.19" W=5.19" H=2.75" Conduit breakouts: ½", ¾", 1"	Off White	1 pc.	10 pcs.
Double Gang Pass Through and Divider for LD2P10 Raceway				
JBD2	Pass through divider allows power & communications outlets to be routed in series. Used with JBP2D box. Must use with LD2P10 Raceway.	—	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), BR (Brown) and BL (Black). Contact factory for details for availability of specific styles and colors.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

Raceway Adapters

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Raceway Adapters for LD Profile Raceways				
CA3IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use with Types LDP3, LD3, and LDS3 raceways.	Off White	10 pcs.	100 pcs.
CA5IW-X	Fits into universal breakout of DCEFX or RAEFX fittings. For use with Types LDP5, LD5, and LDS5 raceways.	Off White	10 pcs.	100 pcs.
Raceway Adapters for PD Raceways				
BA3IW-X	Fits into LD10 breakout of most ***PAN-WAY*** Surface Mount Outlet Boxes. For use with Type PD3 raceway.	Off White	10 pcs.	100 pcs.
BA6IW-X	Fits into LD10 breakout of most ***PAN-WAY*** Surface Mount Outlet Boxes. For use with Type PD3 raceway.	Off White	10 pcs.	100 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), WH (White), and BR (Brown). BL (Black) is also available in select Size 5 Fittings ONLY. Contact factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

NOTE: See Selection Chart on page E6 for detailed information on specific usage with raceways.

SELECTION CHART

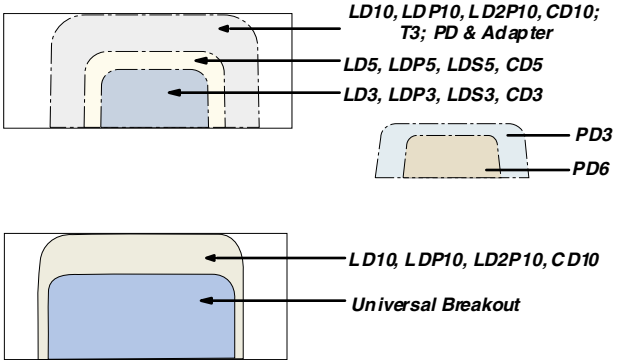
Selection Chart for using PAN-WAY™ Plastic Surface Raceways with PAN-WAY Surface Mount Outlet Boxes

How to use this chart:

1) Locate the desired PAN-WAY Raceway in the left column.
2) Locate the desired box in the top row.
3) Locate the intersecting space to see if they can be used together.
4) Color indicates proper box breakout (or adapter for PD raceway.)

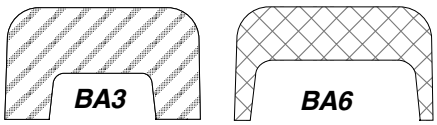
	PAN-WAY Outlet Boxes									PAN-WAY Fittings
	Low Voltage ONLY		Power or Low Voltage							
	JB1, JB1D, JB1FS, JBX3510	RJBX3510	JBP1	JBP1D	JBP1E	JBP1I, JBP2	JBP2S, JBP2D, JBP2FS	PRJBX36	PSJBX	T3TRANS, RAEFX, DCEFX
Type LD (Low Voltage ONLY)										
LD3	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA3
LD5	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA5
LD10	Y	Y	Y	Y	N	Y	Y	N	Y	Y
Type LDP (Power or Low Voltage)										
LDP3	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA3
LDP5	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA5
LDP10	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
Type LDS (Power or Low Voltage)										
LDS3	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA3
LDS5	Y	Y	Y	Y	Y	Y	Y	N	Y	Y w/CA5
Type LD2P10 (Power and Low Voltage)										
LD2P10	N	N	N	Y w/JBD1	N	N	Y	N	N	N
Type CD (Low Voltage ONLY)										
CD3	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA3
CD5	Y	Y	Y	Y	N	Y	Y	N	Y	Y w/CA5
CD10	Y	Y	Y	Y	N	Y	Y	N	Y	Y
Type PD (Power or Low Voltage)										
PD3	Y w/BA3	N	Y w/BA3	Y w/BA3	Y w/BA3	Y w/BA3	Y w/BA3	Y	N	N
PD6	Y w/BA6	N	Y w/BA6	Y w/BA6	Y w/BA6	Y w/BA6	Y w/BA6	Y	N	N
Type T3 Transition Fitting (Power or Low Voltage)										
T3 Transition Fitting	Y	N	Y	Y	Y	Y	Y	N	Y	N

Breakout Schemes



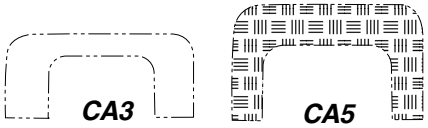
Adapters

PD Adapters



BA3 & BA6 adapters found on page E5.
Adapters fit LD10 Breakout.

LD Adapters



CA3 & CA6 adapters found on page E5.
Adapters fit Universal Breakout.

NEW! PAN-WAY™ TE-70 Non-Metallic Surface Raceway
for Power and Communications Cabling

PAN-WAY TE-70 Surface Raceway provides a complete system for routing, protecting and terminating both your communications and power cabling systems.

The multi-channel design keeps electrical and communication cables separated. This gives you the flexibility to install power cables first, then easily add communication cables later.

Type TE-70 Raceway is tamper-resistant while also allowing you access for moves, adds and changes.

Panduit *PAN-WAY* TE-70 Raceway provides the following key benefits:

- Large Capacity for power and communication applications
- Power Rated to 600V (UL) **meets new UL5A standards**, 300V (CSA) meets CSA 22.2 No. 62-93 standards
- Covers and fittings are extremely tamper resistant
- **New!** Snap-On Electrical/Communication Faceplates require less hardware for quick terminations and lower installed cost
- Four standard colors available to complement any surrounding decor

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Fill Capacities F8-F10

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PAN-WAY TE-70

Accessories F7

PAN-WAY Snap-On Faceplates

Electrical/Communication Faceplates A3
Electrical/Communication Faceplates
(with screw holes to mount a module frame) A3

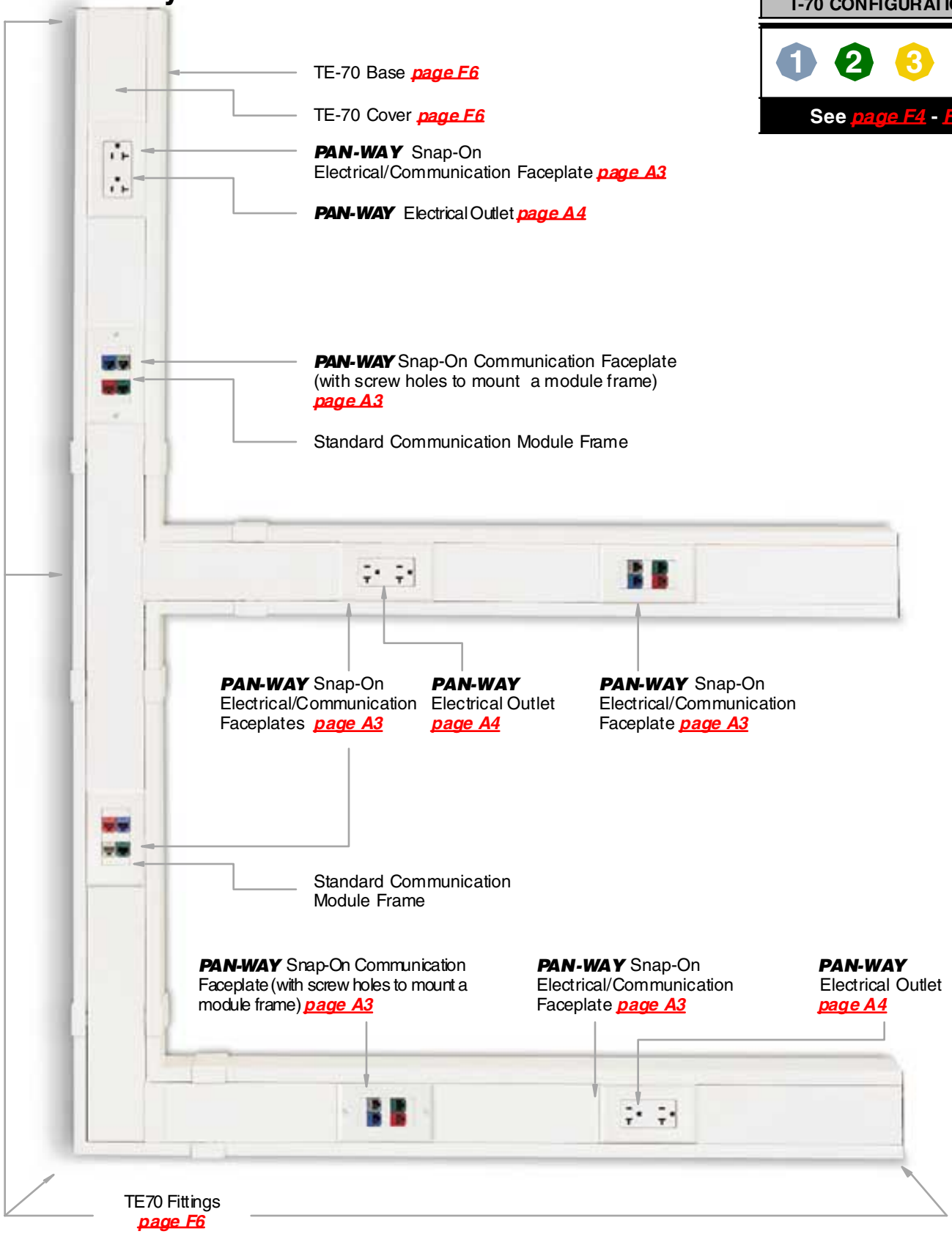
PAN-WAY™ TE-70 Non-Metallic Raceway—Roadmap

TE-70 System

T-70 CONFIGURATIONS

1 2 3 4

See page F4 - F5

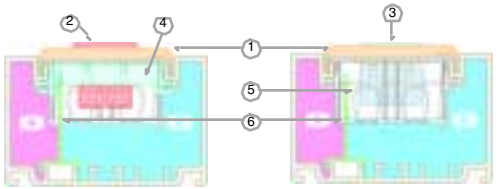


PAN-WAY™ TE-70 Raceway Configurations

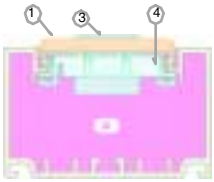
Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

Base: page F6
Cover: page F6
Fittings: page F6

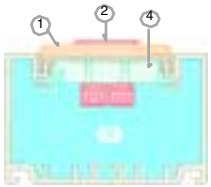
1 PAN-WAY Snap-On Electrical/Communications Faceplates



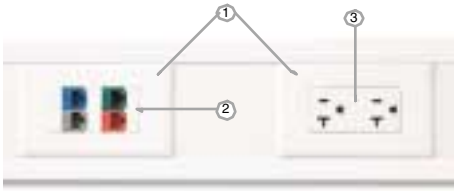
Data & Power



Power Only



Data Only

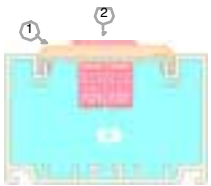


- Snap-On Faceplates provide a superior appearance
- Can use most manufacturers' communication module frames (see chart on page vii)

Areas (in²)	A	B
Data & Power	1.65	3.66
Data Only	—	6.80
Power Only	7.20	—

Components Required	Data Only	Power Only	Data & Power	See Page
1. Snap-On Electrical/Comm. Faceplate(s) (T70PG shown)	X	X	X	A3
2. Standard Communication Module Frame	X		X	vii
3. PAN-WAY Electrical Outlet (ERU20)		X	X	A4
4. Device Mounting Bracket (T70DB-X shown)	X	X	X	F7
5. Hanging Box (TE70HB shown)			X	F7
6. Divider Wall (TE70DW shown)			X	F6

2 PAN-WAY Snap-On Communication Faceplates (with screw holes for module frames)



Data Only

- Faceplate requires no mounting bracket or hanging box
- Can use most manufacturers' communication module frames (see chart on page vii)

Areas (in²)	A	B
Data Only	—	7.33

Components Required	Data Only		See Page
1. Snap-On Communication Faceplate (with screw holes for mounting module frame) (T70PGS shown)	X		A3
2. Standard Communications Module Frame	X		vii

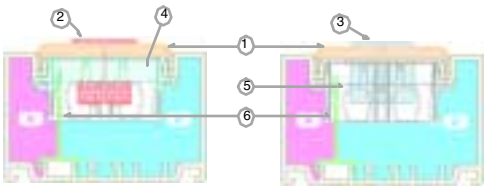
Note: For power and data applications use with configuration #1 above or with configuration #3 shown on next page

PAN-WAY™ TE-70 Raceway Configurations Cont'd

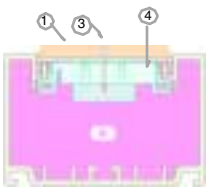
Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V) in horizontal applications.

Base: page F6
Cover: page F6
Fittings: page F6

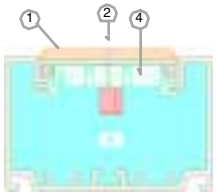
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



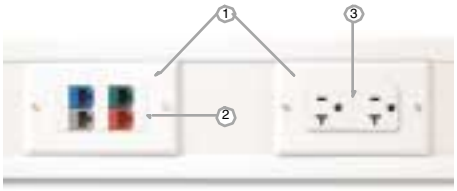
Data & Power



Power Only



Data Only

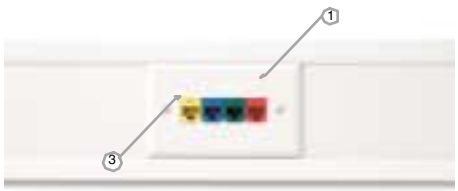


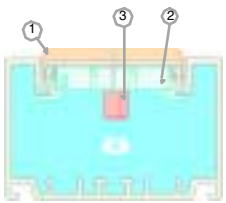
Areas (in²)	A	B
Data & Power	1.65	3.66
Data Only	—	6.80
Power Only	7.20	—

- U.S. Standard screw-on electrical faceplate is used
- Can use most manufacturers' communication module frames (see chart on page vii)

	Components Required	Data Only	Power Only	Data & Power	See Page
1.	U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	A3-A4
2.	Standard Communication Module Frame	X		X	vii
3.	PAN-WAY Electrical Outlet (ERU20)		X	X	A4
4.	Device Mounting Bracket (T70DB-X shown)	X	X	X	F7
5.	Hanging Box (TE70HB shown)			X	F7
6.	Divider Wall (TE70DW shown)			X	F6

4 U.S. Standard Screw-On Communication Faceplates





Data Only

- Uses most manufacturers' communication faceplates
- Panduit® Styles available, for more information refer to page xii

Areas (in²)	A	B
Data Only	—	7.18

	Components Required	Data Only		See Page
1.	Most Mfg. U.S. Screw-On Standard Comm. Faceplate	X		—
2.	Device Mounting Bracket (T70DB-X shown)	X		F7
3.	Manufacturers' inserts and/or modules	X		—

Note: For power and data applications use with configuration #3 above or with configuration #1 shown on previous page

Type TE-70 Surface Raceway Base & Cover

PAN-WAY Type TE-70 Surface Raceway is a large capacity, multi-channel system used to route, protect, and conceal data, voice, video and power cabling systems.

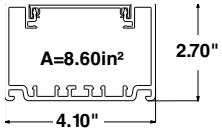
Type TE-70 System Benefits:

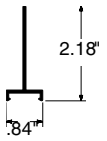
- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Extremely tamper resistant
- Compatible with:
  - —***PAN-WAY*** Snap-On Faceplates
  - —Any U.S. Standard Screw-On Electrical/Communication Faceplates

TE70B

TE70C

TE70DW





NEW!

Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
Type TE-70 Raceway Base				
8 ft. lengths		**10 ft. lengths**		
TE70BIW8	32 ft.	**TE70BIW10**	40 ft.	Off White
TE-70 Raceway Base in 8 or 10 ft lengths supplied with pre-punched mounting holes.				
Type T-70 Raceway Cover				
T70CIW8	96 ft.	**T70CIW10**	120 ft.	Off White
TE-70 Raceway tamper resistant cover in 8 or 10 ft lengths.				
Type TE-70 Divider Wall				
TE70DW8	64 ft.	**TE70DW10**	80 ft.	Lt. Gray

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type TE Raceway Fittings

TE70CFB

TE70CC

TE70IFC

TE70TF

TE70TD

TE70OCB

TE70OCC

TE70RAF

TEC105

Part Number	Description	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
TE70CFBIW-X	Base Coupler Fitting (2 halves = 1 piece)	Off White	10 pcs.	100pcs.
TE70CCIW-X	Cover Coupler Fitting	Off White	10 pcs	100pcs.
TE70ICFIW	Inside Corner Fitting	Off White	1 pc.	10 pcs.
TE70TFIW	Tee Fitting	Off White	1 pc.	10 pcs.
TE70TD	Raceway Divider Insert (power and data applications) Separates power and data cabling within tee fitting	Gray	1 pc.	10 pcs.
TE70OCBIW	Outside Corner Base Fitting	Off White	1 pc.	10 pcs.
TE70OCCIW	Outside Corner Cover Fitting	Off White	1 pc.	10 pcs.
TE70RAFIW	Right Angle Fitting	Off White	1 pc.	10 pcs.
TEC105IW	End Cap Fitting Concentric conduit breakouts: ¾", ½"	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

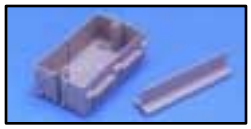
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Type TE-70 Raceway Accessories

TMB105-X

T70DB-X


TE70HB

T70WR-X

Part Number	Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Mounting Bracket				
TMB105-X	Brackets are attached to wall. TE-70 raceway is then snapped onto brackets.	—	10 pcs.	100 pcs.
Device Mounting Bracket				
T70DB-X	Used to mount NEMA standard single gang electrical outlets and communication devices with either screw-on or snap-on single gang faceplates.	Gray	10 pcs.	100 pcs.
Hanging Box				
TE70HB	Used to mount NEMA standard single gang electrical outlets or devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway.	Gray	1 pc.	10 pcs.
Wire Retainer				
T70WR-X	Holds wires in place. Will not interfere with cover installation.	Gray	10 pcs.	100 pcs.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

PAN-WAY™ Snap-On Faceplates
for use with TE-70 Raceway

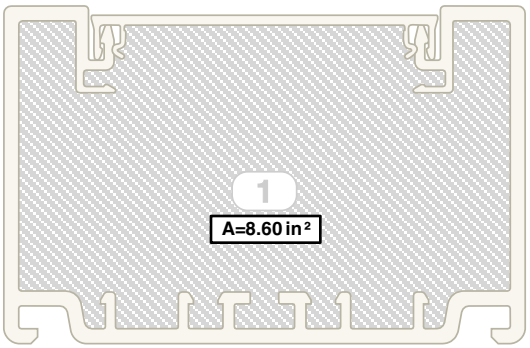
- TE-70 is fully compatible with ***PAN-WAY*** Snap-On Faceplates
- Available for Communication and Electrical Applications

PAN-WAY **Snap-On Faceplates**

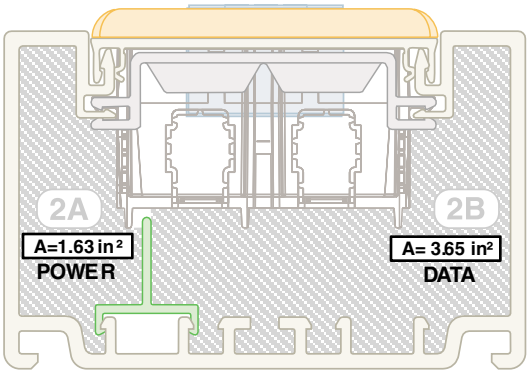
Electrical/Communication Faceplates A3
Electrical/Communication Faceplates
(with screw holes to mount a module frame) . A3

Fill Capacities for TE-70 Raceway

Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

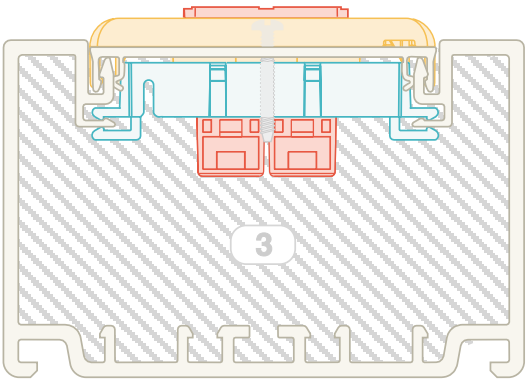


Wirefill #1: TE-70 Raceway with no devices



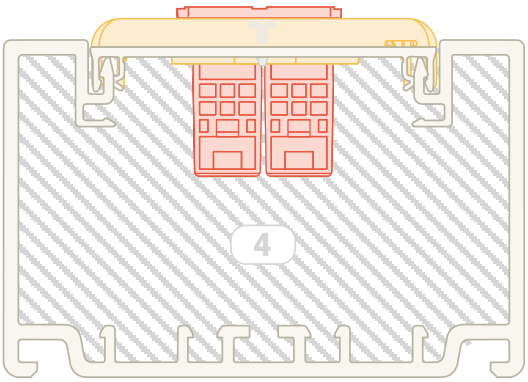
Wirefill #2: Power & Data using Hanging Box and Device Bracket

Includes: Hanging Box, Divider Wall, Wire Retainer, T70P Faceplate, Snap-On Electrical/Communication Faceplate, Not shown for clarity: U.S. Standard Electrical Outlet, Standard Communication Module Frame and Communication Modules.



Wirefill #3: Data Only using U.S. Standard Screw-On Electrical/Communication Faceplates

Includes: Device Bracket, U.S. Standard Screw-On Electrical/Communication Faceplate, Standard Communication Module Frame, and Communication Modules



Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame, and Communication Modules

Fill Capacities for TE-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page F8.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Wirefill Configurations	See Fill #	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		**Cat. 5** 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	**1**	28	24	20	304	456	195	292	121	182	25	37	93	140
Wirefill #2: Power & Data using Hanging Box & Device Bracket	**2A**	17	14	14	58	87	37	55	23	35	5	7	18	26
	2B	**	**	**	129	194	83	124	52	77	10	16	39	59
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	**3**	**	**	**	252	378	161	242	100	151	20	31	77	116
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	**4**	**	**	**	293	439	187	281	117	175	24	35	89	134

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Wirefill Configurations	See Fill #	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	**1**	17	25	70	105	15	22	80	120	11	16	54	80	24	36
Wirefill #2: Power & Data using Hanging Box & Device Bracket	**2A**	3	5	13	20	3	4	15	23	2	3	10	15	4	7
	2B	7	11	30	45	6	9	34	51	5	7	23	34	10	15
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	**3**	14	21	58	87	12	18	66	99	9	13	44	67	20	29
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	**4**	16	24	67	101	14	21	77	115	10	16	52	77	23	34

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacities for TE-70 Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference wirefill configurations on page F8.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)

Fill Capacity Table for: ·Coax Cables

Raceway Channel Wirefill Configurations	See Fill #	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	1	60	90	27	40	118	176	75	112	75	112
Wirefill #2: Power & Data using Hanging Box & Device Bracket	2A	11	17	5	8	22	33	14	21	14	21
	2B	26	38	11	17	50	75	32	48	32	48
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	3	50	75	22	33	97	146	62	93	62	93
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	4	58	87	26	39	113	170	72	108	72	108

NOTE: See page xiv-xv for further explanation of wirefill data.

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Wirefill Configurations	See Fill #	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: TE-70 with No Devices	1	143	215	143	215	99	149	1006	1509	1349	2023	1753	2629	2264	3395
Wirefill #2: Power & Data using Hanging Box & Device Bracket	2A	27	41	27	41	19	28	191	286	256	383	332	498	429	644
	2B	61	91	61	91	42	63	427	640	572	859	744	1116	961	1441
Wirefill #3: Data Only using U.S. Standard Screw-On Faceplates (see page F8)	3	118	178	118	178	82	123	833	1249	1117	1675	1451	2177	1874	2811
Wirefill #4: Data Only using Snap-On Communication Faceplates (with screw holes to mount a module frame) (see page F8)	4	138	206	138	206	96	143	967	1451	1297	1946	1686	2528	2177	3265

NOTE: See page xiv-xv for further explanation of wirefill data.

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T; .090" thickness, .125" kerf.*

PAN-WAY™ T Surface Raceway

Type T for Power and Communications Cabling (including Fiber Optic Cables)

PAN-WAY Type T Surface Raceway provides a complete system for routing, protecting and terminating both your communications and power cabling systems. The multi-channel design keeps electrical and communications cables separated. This gives you the flexibility to install power cables first, then easily add communication cables later. Type T Raceway is tamper-resistant while also allowing you access for moves, adds and changes.

Panduit *PAN-WAY* T Raceway provides the following key benefits:

- Large capacity multi-channel raceway for power and communications applications
- Superior tamper resistance, ideal for school and university applications
- Two sizes to match your application needs
- Power Rated to 600V (UL) **meets new UL5A standards**, 300V (CSA) meets CSA 22.2 No. 62-93 standards
- Wide selection of fittings to speed installation
- A selection of molded covers for power and/or communications cabling

Compatible with:

- Standard communication module frames used with ***PAN-WAY*** faceplates
- ***PAN-WAY*** Snap-On Faceplates for communications cabling
- Most manufacturers' standard faceplates
- A selection of Pre-cut Covers are available for mounting standard NEMA electrical outlets and faceplates (for T130 only)

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

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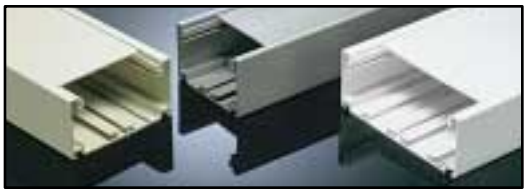

PAN-WAY™ Type T Raceway Page

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Configurations G4-G7
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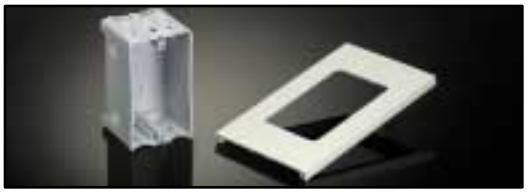
PAN-WAY Type T Raceway

Raceway Accessories G9

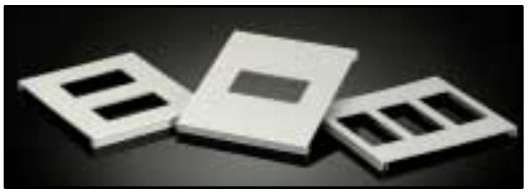
PAN-WAY Type T Raceway

Type T130 & T170 Fittings G10



PAN-WAY Type T Box & Pre-Cut Covers for NEMA Faceplates

Type T Box G10
Pre-Cut Covers. G10



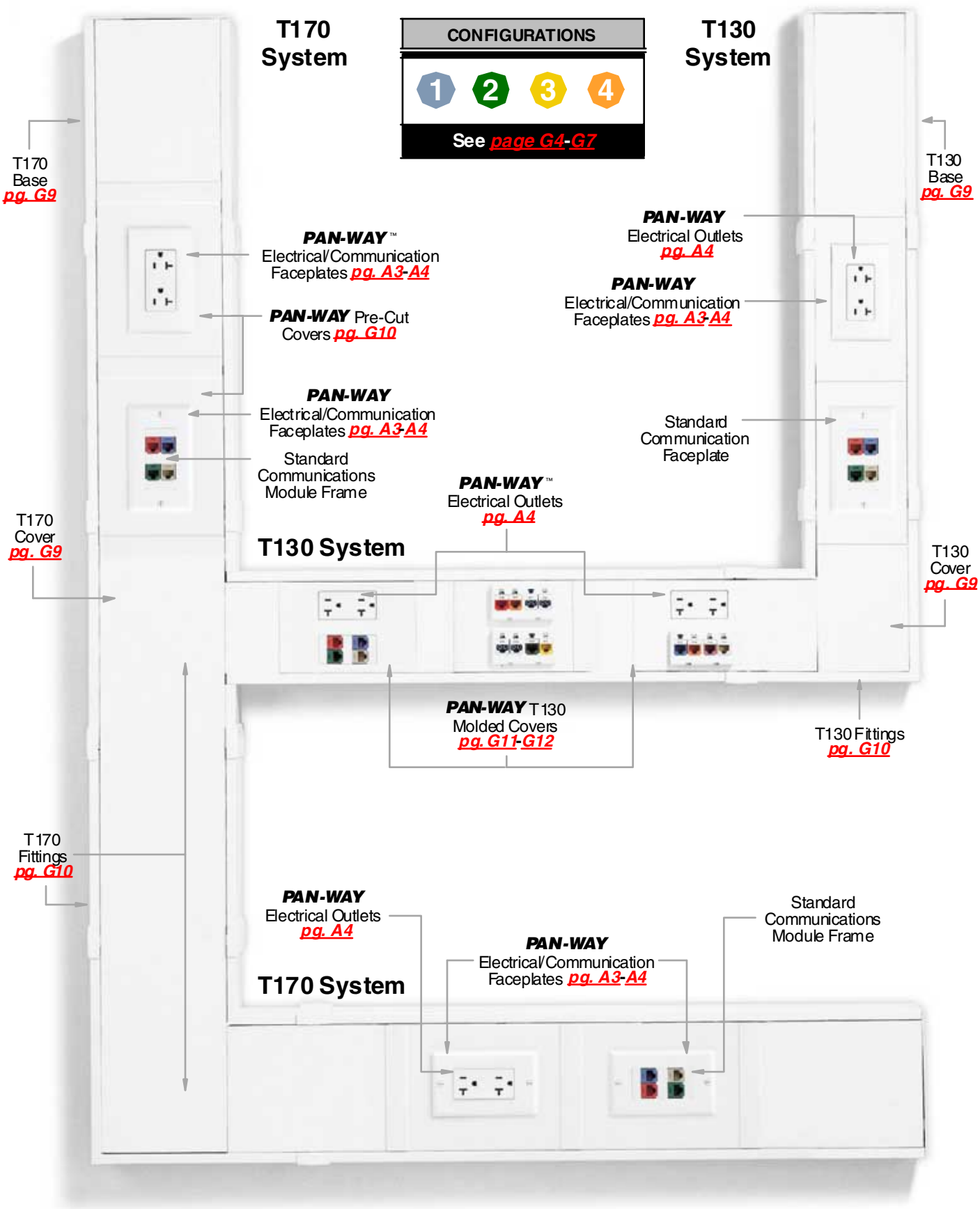
PAN-WAY Type T Snap-On Modular Furniture Faceplate Pre-Cut Covers

Pre-Cut Covers. G11

PAN-WAY Type T130 Hanging Device Bracket & Molded Covers

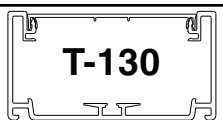
Device Bracket G11
Molded Covers G12

PAN-WAY™ Type T Raceway Roadmap



PAN-WAY™ Type T130 Raceway Configurations

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).



Base: page G9
Cover: page G9
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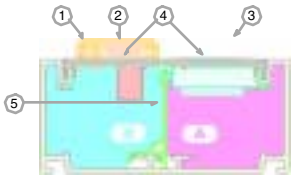
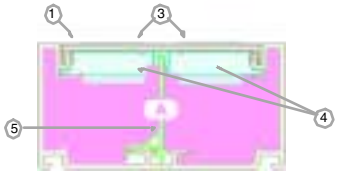
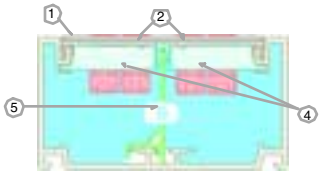
1 *Alternative* — T130 Snap-On Electrical/Communications Faceplates



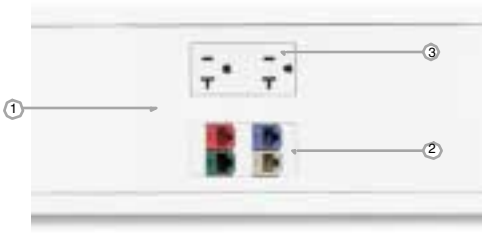
Data & Power



Power Only



Data Only



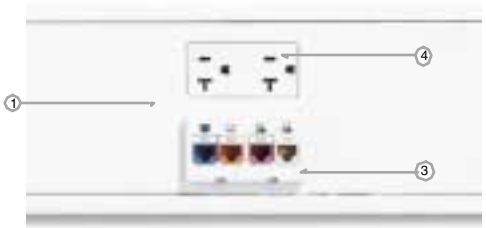
Data & Power Shown

Areas (in²)	A	B
Data & Power	3.94	3.30
Data Only	—	6.82
Power Only	7.67	—

- Snap-On Faceplates provide a superior appearance (no screws required)
- Can use most manufacturers' communication module frames (see chart on *page vii*)

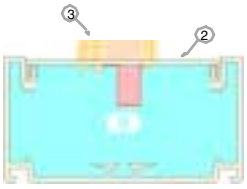
Components Required	Data Only	Power Only	Data & Power	See Page
1. T130 Snap-On Electrical/Communication Faceplate(s) (T130RMC2 shown)	X	X	X	G11-G12
2. Standard Communication Module Frame	X		X	vii
3. ***PAN-WAY*** Electrical Outlet (ERU20 shown)		X	X	A4
4. (2) Gangable Device Mounting Brackets (T130DBD shown)	X	X	X	G12
5. Divider Wall (TD688 shown)	X	X	X	G9

2 *Alternative* — T130 Snap-On Covers for Modular Furniture Faceplates



Areas (in²)	A	B
Data & Power	4.00	4.55
Data Only	—	10.34

Data & Power



Data Only

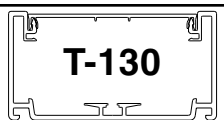
- Compatible with modular furniture faceplates with a cutout dimension 2.42" x 4.06"
- Panduit® Styles available, for more information refer to bottom of *page xii*

Components Required	Data Only		Data & Power	See Page
1. T130 Snap-On Electrical/Communication Faceplate (for modular furniture faceplates) (T130TRMC shown)			X	G11
2. T130 Punched Cover (T130K1 shown)	X			G11
3. Most manufacturers' modular furniture faceplates	X		X	—
4. ***PAN-WAY*** Electrical Outlet (ERU20 shown)			X	A4
5. Hanging Device Bracket (T130DB-X shown)			X	G11
6. Divider Wall (TD688 shown)			X	G9
7. Cover Couplers (TCFC130 shown)	X			G10

Note: For power only applications see configuration #1 above or configuration #3 shown on next page

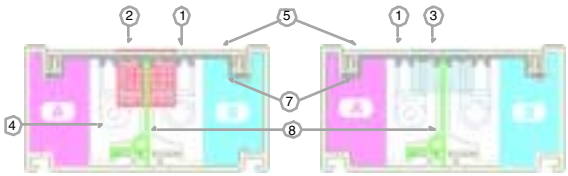
PAN-WAY™ T130 Raceway Configurations Cont'd

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).

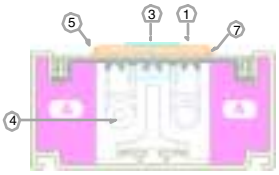


Base: page G9
Cover: page G9
Fittings: page G10

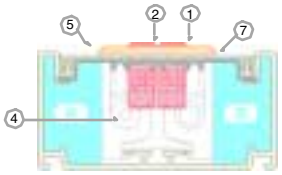
3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates



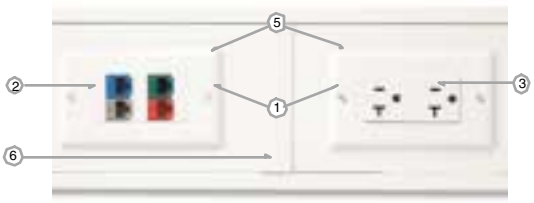
Data & Power



Power Only



Data Only

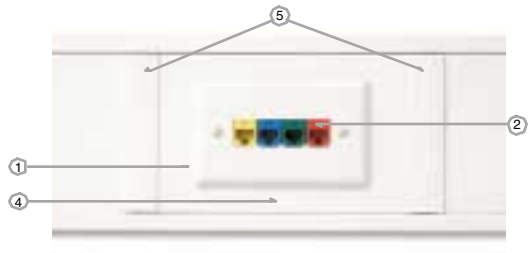


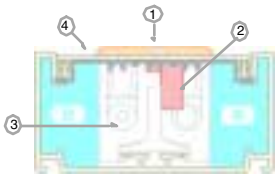
Areas (in²)	A	B
Data & Power	2.56	2.56
Data Only	—	2.56(x2)
Power Only	2.56(x2)	—

- U.S. standard screw-on electrical faceplate is used
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Components Required	Data Only	Power Only	Data & Power	See Page
1. U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	*A3*
2. Standard Communication Module Frame	X		X	*vii*
3. PAN-WAY Electrical Outlet (ERU20 shown)		X	X	*A4*
4. Type T Box (TB5883 shown)	X	X	X	*G10*
5. Pre-cut cover (T130G shown)	X	X	X	*G10*
6. T130 cover coupler fitting (TCFC130 shown)	X	X	X	*G10*
7. Wire retainer (TWR130 shown)			X	*G9*
8. Divider Wall (TD688 shown)			X	*G9*

4 U.S. Standard Screw-On Communication Faceplates





Data Only

- Uses most manufacturers' communication faceplates
- Panduit® Styles available, for more information refer to *page xii*

Areas (in²)	A	B
Data Only	—	2.56(x2)

Components Required	Data Only		See Page
1. Most Mfg. U.S. Standard Screw-On Comm. Faceplate(s)	X		—
2. Manufacturers' inserts and/or modules	X		—
3. Type T Box (TB5883 shown)	X		*G10*
4. Pre-cut cover (T130G shown)	X		*G10*
5. T130 cover coupler fitting (TCFC130 shown)	X		*G10*

Note: For power only or power and data applications use power components from configuration #3 above.

PAN-WAY™ Type T170 Raceway Configurations

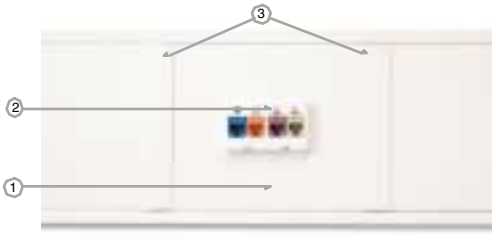
Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).

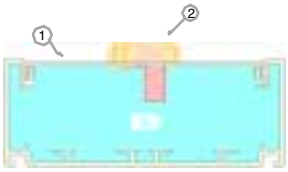
Base: *page G9*
Cover: *page G9*
Fittings: *page G10*

1 *Alternative* — T170 Snap-On Electrical/Communications Faceplates

This solution is not available for T170

2 *Alternative* — T170 Snap-On Covers for Modular Furniture Faceplates





Data Only

- Compatible with modular furniture faceplates with a cutout dimension = 1.375" x 2.71"
- Panduit® Styles available, for more information refer to bottom of *page xii*

Areas (in²)	A	B
Data Only	—	13.66

Components Required	Data Only	Data & Power	See Page
1. T170 Punched Cover (T170K1 shown)	X		G11
2. Most manufacturers' modular furniture faceplates	X	X	—
3. Cover Couplers (TCFC170 shown)	X		G10

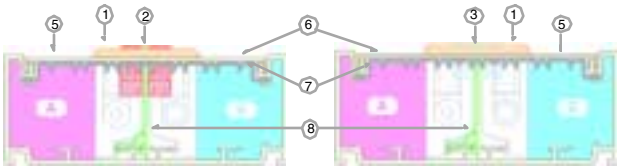
Note: For power only applications see configuration #3 shown on next page

PAN-WAY™ T170 Raceway Configurations Cont'd

Application: Routing communication cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax, or any low voltage cable; power cables (up to 600V).

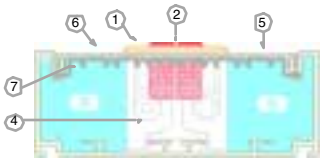
Base: page G9
Cover: page G9
Fittings: page G10

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates

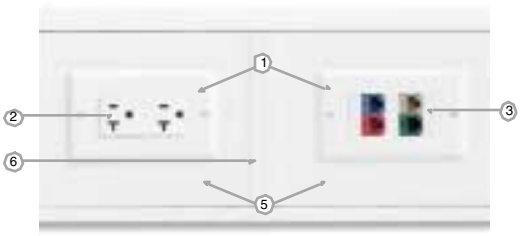


Data & Power

Power Only



Data Only

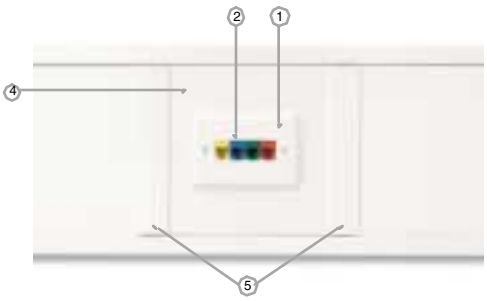


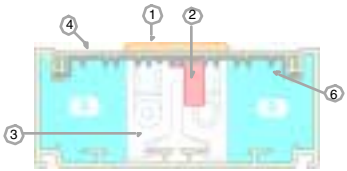
- U.S. Standard Screw-On Electrical/Communication faceplate is used
- Can use most manufacturers' communication module frames (see chart on ~~page vii~~)

Areas (in²)	A	B
Data & Power	4.25	4.25
Data Only	—	4.25(x2)
Power Only	4.25(x2)	—

Components Required	Data Only	Power Only	Data & Power	See Page
1. U.S. Standard Screw-On Electrical/Comm. Faceplate(s) (CPG shown)	X	X	X	~~A3-A4~~
2. Standard Communication Module Frame	X		X	~~vii~~
3. PAN-WAY Electrical Outlet (ERU20 shown)		X	X	~~A4~~
4. Type T Box (TB5583 shown)	X	X	X	~~G10~~
5. Pre-cut cover (T170G shown)	X	X	X	~~G10~~
6. T170 cover coupler fitting (TCFC170 shown)	X	X	X	~~G10~~
7. Wire retainer (TWR170 shown)			X	~~G9~~
8. Divider Wall (TD388 shown)			X	~~G9~~

4 U.S. Standard Screw-On Communication Faceplates





Data Only

- Panduit® Styles available, for more information refer to ~~page xii~~

Areas (in²)	A	B
Data Only	—	4.25(x2)

Components Required	Data Only		See Page
1. Most Mfg. U.S. Standard Screw-On Comm. Faceplate	X		—
2. Manufacturers' inserts and/or modules	X		—
3. Type T Box (TB5883 shown)	X		~~G10~~
4. Pre-cut cover (T170G shown)	X		~~G10~~
5. T170 cover coupler fitting (TCFC170 shown)	X		~~G10~~
6. Wire retainer (TWR170 shown)	X		~~G9~~

Note: For power only or power and data applications use power components from configuration #3 above.

PAN-WAY™ Surface Raceway Applications

With a large capacity and multichannel capability, ***PAN-WAY*** Type T Surface Raceway can integrate both power and communication cabling systems while maintaining a neat and professional appearance throughout a testing lab.

A wide selection of fittings and device covers are available to speed installation and terminations.

To further organize cables, use Type T Raceway in conjunction with ***PANDUCT***® Type G Wiring Duct to route and conceal device cable slack.

PAN-WAY Type T Surface Raceway, with it's durable construction, can be used in industrial as well as office applications.

Type T Raceway allows you to run both communications and electrical cables anywhere they are needed on the production floor.

The new Type T130 Molded Covers cover 106 or rectangular outlets and will accept communications module frames (106 or rectangular frame) for multichannel applications

PAN-WAY™ Type T Surface Raceway

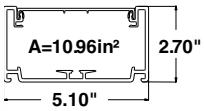
PAN-WAY Type T Surface Raceway is a large capacity, multi-channel system used to route, protect, and conceal data, voice, video and power cabling systems.

Type T System Benefits:

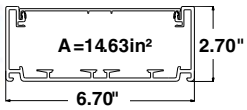
- Power rated to 600V(UL), 300V(CSA) **meets new UL5A standard** and CSA 22.2 No. 62-93 standards
- Superior tamper resistance for School & University applications
- Modular divider wall keeps power and data cables separated

NEW Sizes!

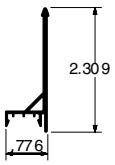
TB130



TB170



TD688



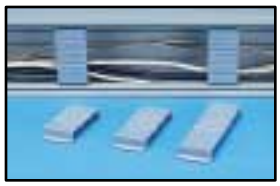
Part Number	Std. Ctn. Qty.	Part Number	Std. Ctn. Qty.	Colors◆
8 ft. lengths		**10 ft. lengths**		
Type T130 Raceway Base				
TB130IW8	32ft.	TB130IW10	40ft.	Off White
Type T130 Raceway Cover				
TC130IW8	64ft.	TC130IW10	80ft.	Off White
Type T170 Raceway Base				
TB170IW8	32ft.	TB170IW10	20ft.	Off White
Type T170 Raceway Cover				
TC170IW8	64ft.	TC170IW10	60ft.	Off White
Divider Wall				
TD688	64ft.	TD6810	80ft.	Gray ONLY

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

Type T Raceway Accessories

TMB



TWR

Part Number	Description	Used with Raceway	Std. Pkg. Qty.	Std. Ctn. Qty.
Mounting Bracket				
TMB130-X	Brackets are attached to wall. Type T raceway is then snapped onto brackets. Can be used as required anywhere along the raceway.	T130	10 pcs.	100 pcs.
TMB170-X		T170	10 pcs.	100 pcs.
Wire Retainer				
TWR130-X	Holds wires in place. Will not interfere with cover installation. To add cables, simply remove cover and loosen one side of the retainer.	T130	10 pcs.	100 pcs.
TWR170-X		T170	10 pcs.	100 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Type T Raceway Fittings

TCFB (at right)
TCFC (at left)

TIC

TOCB

TRA

TOCC

TT

TEC

TR

TEE130

Part Number	Part Number	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T130	**T170**			
Base Couplers				
TCFB3070IW-X	TCFB3070IW-X	Off White	10 pcs.	100 pcs.
Cover Couplers				
TCFC130IW-X	TCFC170IW-X	Off White	10 pcs.	100 pcs.
Inside Corner Fitting				
TIC130IW	TIC170IW	Off White	1 pc.	10 pcs.
Outside Corner Fitting Base				
TOCB130IW	TOCB170IW	Off White	1 pc.	10 pcs.
Outside Corner Fitting Cover				
TOCC130IW	TOCC170IW	Off White	1 pc.	10 pcs.
Right Angle Fitting				
TRA130IW	TRA170IW	Off White	1 pc.	100 pcs.
Tee Fitting				
TT130IW	TT170IW	Off White	1 pc.	10 pcs.
End Cap Fitting				
TEC130IW	TEC170IW	Off White	1 pc.	10 pcs.
Reducer Fitting				
T170 to T130				
TR170X130IW		Off White	1 pc.	10 pcs.
T130				
Entrance End				
TEE130IW		Off White	1 pc.	10 pcs.

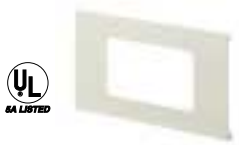
◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

PAN-WAY™ Type T Box and Pre-Cut Cover (for Mounting Standard NEMA Faceplates)

TB5583-V

TBSR-Q



Pre-Cut Cover for Type T Box & NEMA Faceplates

- Cover Length = 7.05" (179mm)
- Cutout Dimension = 2.42" x 4.06" (61.5 x 103mm)

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Type T Box			
TB5583-V	3.28" (83.5mm) mounting holes, 2.17" (55mm) deep. For use with single gang NEMA standard electrical devices and faceplates. This box is used with U.S. electrical outlets.	5 pcs.	60 pcs.
Raceway Box Strain Relief			
TBSR-Q	Snaps onto TB5583-V Type T Box. Required to support cable connections in vertically mounted raceway applications.	25 pcs.	—

Part Number	Part Number	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T130	**T170**			
Pre-Cut Cover for Type T Box & NEMA Faceplates				
T130GIW	T170GIW	Off White	1 pc.	10 pcs.
Used with all standard NEMA electrical faceplates. Use with 2 Cover Couplers.				

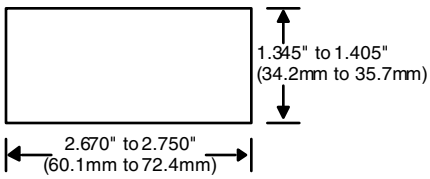
◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

Snap-On Faceplate Pre-Cut Covers (for Snap-On Modular Furniture Faceplates)

Cutout Dimensions:



Maximum Panel Thickness: .090" (2.29mm)

Part Number	Part Number	Colors◆	Std. Pkg. Qty.	Std. Ctn. Qty.
T130	**T170**			
Pre-Cut Cover for One Snap-On Modular Furniture Faceplate				
T130K1IW	T170K1IW	Off White	1 pc.	10 pcs.
Pre-Cut Cover for Two Snap-On Modular Furniture Faceplates				
T130K2IW	T170K2IW	Off White	1 pc.	10 pcs.
Pre-Cut Cover for Three Snap-On Modular Furniture Faceplates				
	T170K3IW	Off White	10 pc.	1 pcs.
Pre-cut cover for use with Snap-On Modular Furniture Faceplates. Use with two Cover Couplers shown on page G10.				

Cover Lengths = 4.92" (125mm)

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

T130 Hanging Device Bracket & Molded Covers (for T130 Size Raceway ONLY)

T130DB-X

NEW!

T130DBD-X

NEW!

T130DMC

T130DMC2

NEW!

NEW!

T130RMC

T130RMC2

NOTE: Can also be used for Communication Module Frames

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Hanging Device Bracket				
T130DB-X	Used to quickly mount NEMA standard electrical receptacles (including GFCI) in T130 Raceway. Must be used with appropriate T130 Molded Cover.	Lt. Gray ONLY	10 pcs.	100 pcs.
"Gangable" Device Bracket				
T130DBD-X	Two (2) "Gangable" Device Brackets can be interlocked to mount multiple electrical and/or data devices in T130 base in multi-channel applications.	Lt. Gray ONLY	10 pcs.	100 pcs.
Duplex Electrical Device Molded Cover				
T130DMCIW	Covers NEMA standard 106 duplex electrical devices. Replaces faceplate and pre-cut raceway cover.	Off White	1 pc.	10 pcs.
Double Duplex Electrical Device Molded Cover				
T130DMC2IW	Covers 2 NEMA standard 106 duplex electrical devices. Replaces faceplate and pre-cut raceway cover.	Off White	1 pc.	10 pcs.
Rectangular Electrical Device Molded Cover				
T130RMCIW	Covers NEMA standard rectangular electrical devices. Replaces faceplate and pre-cut raceway cover. For use with T130DBD-X and TD688 divider wall.	Off White	1 pc.	10 pcs.
Double Rectangular Electrical Device Molded Cover				
T130RMC2IW	Covers 2 NEMA standard rectangular electrical devices. Replaces faceplate and pre-cut raceway cover. For use with T130DBD-X and TD688 divider wall.	Off White	1 pc.	10 pcs.

◆ All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

T130 Hanging Device Bracket & Molded Covers (cont.) (for T130 Size Raceway ONLY)

T130LMC

T130TMC

T130TDMC

T130TRMC

NEW!

T130FFMC

45x45 Modules (French) shown in T130FFMC.*

Part Number	Description	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
Twist Lock Electrical Device Molded Cover				
T130LMCIW	Covers NEMA standard twist lock electrical devices. Replaces faceplate and pre-cut raceway cover.	Off White	1 pc.	10 pcs.
Communications Device Molded Cover				
T130TMCIW	Provides proper sized opening to accept Snap-On Modular Furniture Faceplates.	Off White	1 pcs.	10 pcs.
Communications and Duplex Electrical Device Molded Cover				
T130TDMCIW	Covers NEMA standard duplex electrical devices and provides proper sized opening to accept Snap-On Modular Furniture Faceplates.	Off White	1 pc.	10 pcs.
Communications and Rectangular Electrical Device Molded Cover				
T130TRMCIW	Covers NEMA standard rectangular electrical devices and provides proper sized opening to accept Snap-On Modular Furniture Faceplates.	Off White	1 pc.	10 pcs.
45X45 Device Cover (Accepts standard 45X45 modules*)				
T130FFMCIW	Four 45X45mm devices snap into cover.	Off White	1 pc.	10 pcs.

◆All parts listed in Off White (IW) color. To order other colors substitute EI (Electric Ivory), IG (Light Gray), and WH (White). Contact factory for details.

ORDERING INFORMATION:

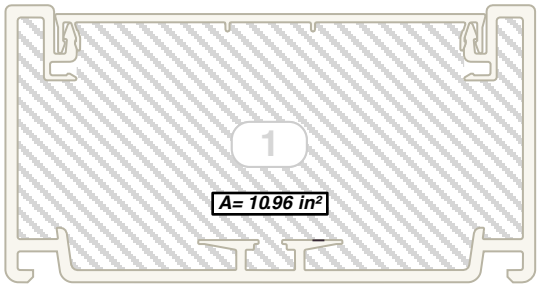
Order number of feet required, in multiples of Standard Length Increment.

* Modules are not available from Panduit.

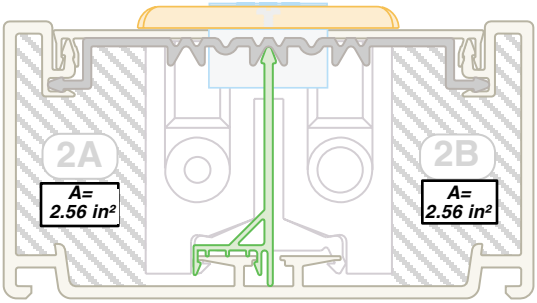
Fill Capacities for T Raceway

Use the wirefill configurations below, along with the wirefill information contained in the following pages, as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

T130 Raceway

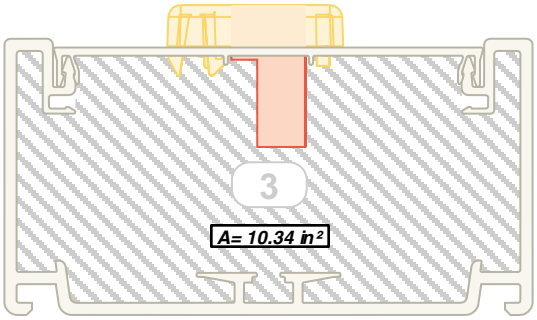


Wirefill #1: T130 Raceway with no devices



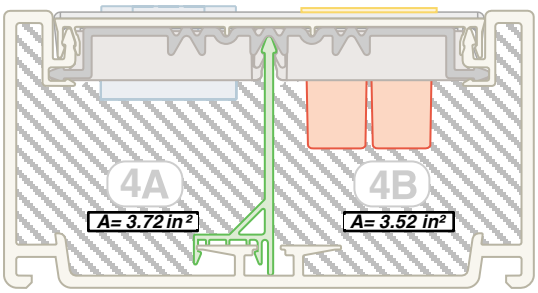
Wirefill #2: T130 Raceway—Power & Data using T Box & U.S. Standard Screw-On Electrical/Communication Faceplates

Includes: TB5583-V Box, Divider Wall, Wire Retainer, U.S. Standard Screw-On Electrical/Communication Faceplate; Data faceplate, communication module frame and modules (not shown)



Wirefill #3: T130 Raceway—Data Only using Most Manufacturers' Modular Furniture Faceplates

Includes: Most Manufacturers's Modular Furniture Faceplate, T130K1 Punched Cover and modules



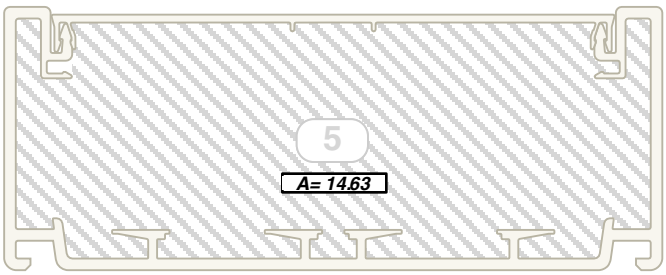
Wirefill #4: T130 Raceway—Power & Data using T130RMC2 Molded Cover

Includes: T130RMC2 Molded Cover, Divider Wall, Wire Retainer, Gangable Device Bracket, U.S. Standard Electrical Outlet, Standard Communication Module Frame & Modules

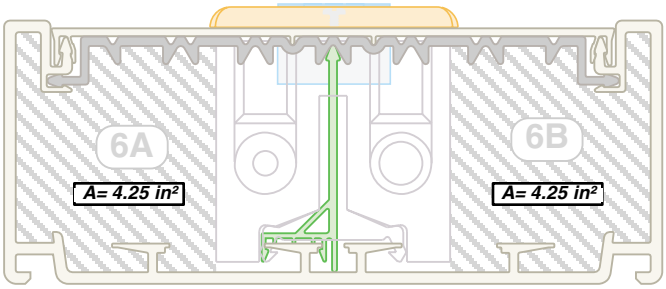
Fill Capacities for T Raceway

Use the wirefill configurations below, along with the wirefill information contained in the following pages, as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

T170 Raceway

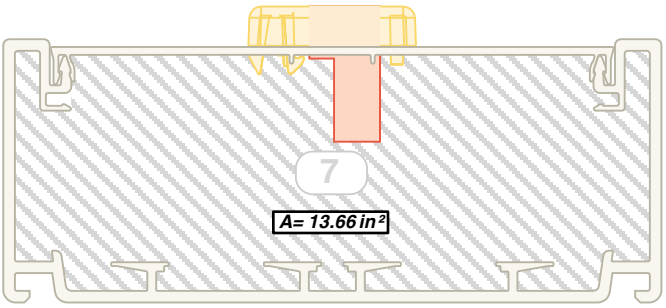


Wirefill #5: T170 Raceway with no devices



Wirefill #6: T170 Raceway—Power & Data using T Box & U.S. Standard Screw-On Electrical/ Communication Faceplates

Includes: TB5583-V Box, Divider Wall, Wire Retainer, U.S. Standard Screw-On Electrical/Communication Faceplate; Data faceplate (not shown)



Wirefill #7: T170 Raceway—Data Only using Most Manufacturers' Modular Furniture Faceplates

Includes: Most Manufacturers' Modular Furniture Faceplates, T170K1 Punched Cover and modules

Raceway Cutting Instructions:

For small quantities, use a fine tooth handsaw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: *Carbide 80T or 100T; .090" thickness, .125" kerf.*

Fill Capacities for T Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference configurations on page G13 thru G14.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)*

Fill Capacity Table for: ·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Raceway Channel Configurations	See Fig.	Electrical Cables			Voice Grade Cables						Data Grade Cables			
		AWG			24 AWG UTP CM/CMR						24 AWG UTP CM			
		14	12	10	2 pr		3 pr		4 pr		25 pr		Cat. 5 4 pr	
		THHN/T90			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.105	0.122	0.153	FILL		FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	31	28	26	388	582	248	372	155	232	31	47	119	178
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	17	15	14	91	136	58	87	36	54	7	11	28	42
	2B	—	—	—	91	136	58	87	36	54	7	11	28	42
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	—	—	—	353	530	226	339	141	211	29	43	108	162
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	20	16	17	131	197	84	126	52	78	10	15	40	60
	4B	—	—	—	124	186	79	119	49	74	10	15	38	57
Wirefill #5: T170 with No Devices	5	31	28	26	518	777	331	497	207	310	42	63	158	237
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	20	18	16	150	226	96	144	60	90	12	18	46	69
	6B	—	—	—	150	226	96	144	60	90	12	18	46	69
Wirefill #7: T170 with Modular Furniture Faceplate	7	—	—	—	483	725	309	464	193	289	39	59	148	222

Fill Capacity Table for: ·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP ·1A STP

Raceway Channel Configurations	See Fig.	Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	21	32	89	134	19	28	102	153	14	21	68	102	30	45
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	5	7	21	31	4	7	24	36	3	5	16	24	7	11
	2B	5	7	21	31	4	7	24	36	3	5	16	24	7	11
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	19	29	81	122	17	26	93	139	13	19	62	93	28	41
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	7	10	30	45	6	9	34	51	4	7	23	34	10	15
	4B	6	10	28	43	6	9	32	49	4	6	23	32	9	14
Wirefill #5: T170 with No Devices	5	28	43	119	179	25	38	136	204	18	28	91	137	40	60
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	8	12	35	52	7	11	40	59	5	8	26	40	12	18
	6B	8	12	35	52	7	11	40	59	5	8	26	40	12	18
Wirefill #7: T170 with Modular Furniture Faceplate	7	27	40	111	167	24	35	127	191	17	26	85	128	38	56

NOTE: See page xiv-xv for further explanation of the wirefill data.

Fill Capacities for T Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc. Reference configurations on page G13 thru G14.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temp. rise test (electrical)*

Fill Capacity Table for: ·Coax Cables

Raceway Channel Configurations	See Fig.	Coax Cables									
		RG6/u		RG11/u		RG58/u		RG59/u		RG62A/u	
		DIA.=0.270		DIA.=0.405		DIA.=0.193		DIA.=0.242		DIA.=0.242	
		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	77	115	34	51	150	225	95	143	95	143
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	18	27	8	12	35	53	22	33	22	33
	2B	18	27	8	12	35	53	22	33	22	33
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	70	105	31	47	137	205	87	130	87	130
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	28	41	12	18	54	81	34	52	34	52
	4B	34	50	15	22	66	98	42	63	42	63
Wirefill #5: T170 with No Devices	5	102	153	45	68	200	300	127	191	127	191
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	30	45	13	20	58	87	37	55	37	55
	6B	30	45	13	20	58	87	37	55	37	55
Wirefill #7: T170 with Modular Furniture Faceplate	7	95	143	42	64	187	280	119	178	119	178

Fill Capacity Table for: ·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Raceway Channel Configurations	See Fig.	Fiber Optic Cables (62.5/125mm)						Signal Cables							
		2 Strand		4 Strand		6 Strand		18AWG		20 AWG		22 AWG		24 AWG	
		DIA.=0.175		DIA.=0.175		DIA.=0.210		DIA.=0.066		DIA.=0.057		DIA.=0.050		DIA.=0.044	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
Wirefill #1: T130 with No Devices	1	182	274	182	274	127	190	1282	1923	1719	2578	2234	3351	2885	4327
Wirefill #2: T130 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	2A	43	64	43	64	30	44	299	449	401	602	522	783	674	1011
	2B	43	64	43	64	30	44	299	449	401	602	522	783	674	1011
Wirefill #3: T130 Data Only using Modular Furniture Faceplates	3	166	249	166	249	115	173	1167	1751	1565	2348	2034	3051	2627	3940
Wirefill #4: Power & Data using the T130TRMC2 Molded Cover	4A	66	99	66	99	46	68	462	693	619	929	805	1208	1040	1559
	4B	80	120	80	120	55	83	561	842	753	1129	978	1468	1263	1895
Wirefill #5: T170 with No Devices	5	243	365	243	365	169	254	1711	2567	2294	3442	2982	4473	3851	5776
Wirefill #6: T170 Power & Data using T-Box & U.S. Standard Screw-On Electrical/Communication Faceplates	6A	71	106	71	106	49	74	497	746	667	1000	866	1299	1119	1678
	6B	71	106	71	106	49	74	497	746	667	1000	866	1299	1119	1678
Wirefill #7: T170 with Modular Furniture Faceplate	7	227	341	227	341	158	237	1598	2397	2142	3214	2784	4176	3595	5393

NOTE: See page xiv-xv for further explanation of the wirefill data.

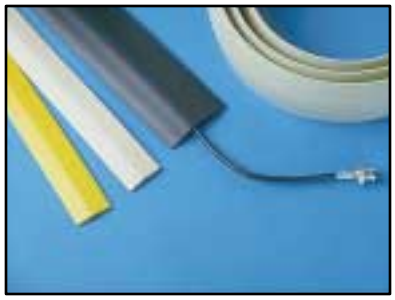
PAN-WAY™ Surface Raceway Cutting Tool

- Rugged, ratchet-action tool cuts surface raceway

Part Number	Description	Std. Pkg. Qty.
Surface Raceway Cutting Tool		
SRT	Used to easily cut all sizes of Types LDP, LD2P, LD, LDS, CD and PD raceway. Leaves a clean, burr-free end on raceway. Can also be used to cut plastic conduit.	1 pc.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Floor Guard



- Routes cabling over carpet, concrete or tile to prevent tripping
- Flexible vinyl material can be easily cut to length
- Cables slip into slit on base
- Adhesive mounting tape is supplied

Part Number	Length	Overall Size W x H	Wire Slot Size W x H	Color	Std. Pkg. Qty.
FG1 – For single, twisted pair cables					
FG1EI6-A	6 ft.	1.25" x .27" (31.8 x 6.9)	.25" x .27" (6.4 x 4.3)	Elec. Ivory	6 ft.
FG1BR6-A	6 ft.			Brown	6 ft.
FG1YL6-A	6 ft.			Safety Yellow	6 ft.
FG1BL6-A	6 ft.			Black	6 ft.
FG1EI50-A	50 ft.			Elec. Ivory	50 ft.
FG1BR50-A	50 ft.			Brown	50 ft.
FG1YL50-A	50 ft.			Safety Yellow	50 ft.
FG1BL50-A	50 ft.			Black	50 ft.
FG3 – For multiple or larger cables					
FG3EI6S-A	6 ft.	2.44" x .47" (62.0 x 12.0)	.68" x .28" (17.2 x 7.1)	Elec. Ivory	30 ft.
FG3BR6S-A	6 ft.			Brown	30 ft.
FG3YL6S-A	6 ft.			Safety Yellow	30 ft.
FG3BL6S-A	6 ft.			Black	30 ft.
FG3EI50-A	50 ft.			Elec. Ivory	50 ft.
FG3BR50-A	50 ft.			Brown	50 ft.
FG3YL50-A	50 ft.			Safety Yellow	50 ft.
FG3BL50-A	50 ft.			Black	50 ft.

ORDERING INFORMATION:
Order number of feet required, in multiples Standard Package Quantity.
Note: Mounting tape is pre-applied only to FG3 in 6 ft. lengths.

Magnet Strip

- Mounts adhesive backed raceway to metal surfaces such as desks, cabinets, modular furniture, etc.
- Flexible material can be easily cut to length

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FG3 – For multiple or larger cables			
FMS75X6	6 ft. roll x .75" wide for use with PD3, LDP3, LD3, CD3, CD5 Raceway	1 pc.	10 pcs.
FMS100X6	6 ft. roll x 1.00" wide for use with PD6, LDP5, LDP10, LD5, LD10, CD10 Raceway	1 pc.	10 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Open Office Products

PAN-POLE™ Aluminum Outlet Pole

PAN-POLE Aluminum Outlet Pole is an aesthetically pleasing dual channel pole for both power and communications outlets. The entrance fitting has been engineered to maintain the TIA/EIA required 1" bend radius for Category 5 and Fiber Optic Cabling. The ***PAN-POLE*** is tamper resistant to the end user, yet allows easy access to the installer for moves, adds, and changes.

PAN-POLE Aluminum Outlet Pole provides a totally integrated horizontal cabling solution for High Performance Copper, UTP, ScTP, Coax, Fiber Optic and Power Cabling Systems.

Entry end bend radius fitting maintains 1" bend radius control of communication cable

PAN-WAY Snap-On Faceplates (with screw holes to mount a module frame) speed installation, lowering overall installed cost.

Panduit *PAN-POLE* provides the following key benefits:

- Entry end bend radius control fitting, maintains the minimum 1" bend radius required under TIA/EIA 568-A and 569-A for high performance copper and fiber optic cabling systems
- UL-5 Listed and CSA Certified
- Tamper resistant plastic cover allows for customized placement of data outlets and is easy for the installer to cut and modify, reducing overall installation costs and costs associated with moves, adds, and changes
- Dual channel aluminum pole provides complete separation of power and data eliminating the need for two separate poles
- 2 colors available to complement surrounding decor

Table of Contents

Power & Communication Pole

Communication Pole

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Communication Only Pole I6
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Accessories
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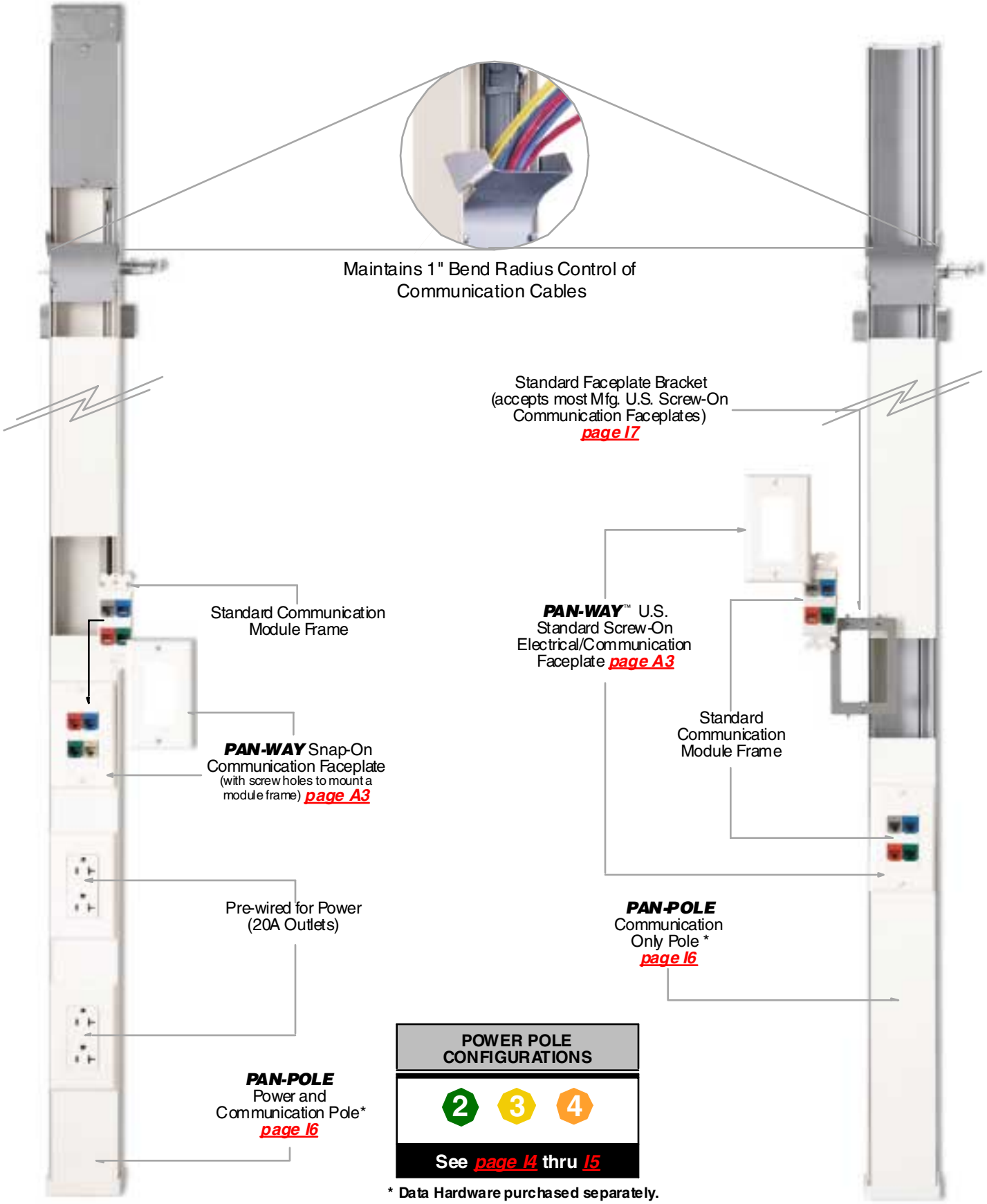
Standard Included Mounting Hardware I7

Data Installation Instructions I8
Fill Capacity Information. I9-I11

PAN-WAY™ Snap-On Faceplates
Electrical/Communication Faceplates A3
Electrical/Communication Faceplates
(with screw holes for module frames) A3

PAN-POLE™ Aluminum Outlet Pole—Roadmap



* Data Hardware purchased separately.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

PAN-POLE™ Aluminum Outlet Pole Configurations

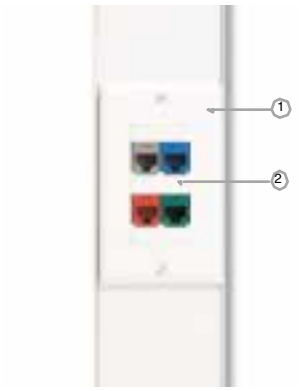
Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

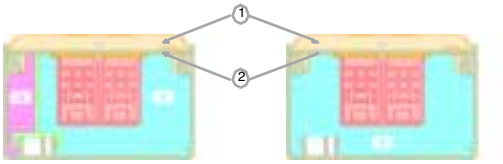
Components: pg. I6
Accessories: pg. I7

1 PAN-WAY™ Snap-On Electrical/Communication Faceplates

Configurations for this faceplate style not currently available

2 PAN-WAY Snap-On Communication Faceplates (with screw holes to mount a module frame)





Power & Communication Pole

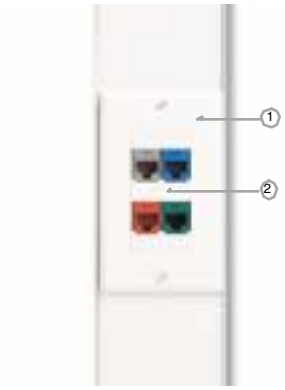
Communication Only Pole

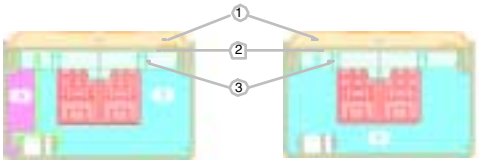
- Faceplate requires no device mounting bracket
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Areas (in²)	A	B
Data & Power	.47	2.00
Data Only	—	2.70

	Components Required	Power & Comm. Pole	Comm. Only Pole	See Page
1.	Snap-On Communication Faceplate (with screw holes to mount a module frame) (T70PGS shown)	X	X	*A3*
2.	Standard Communication Module Frame	X	X	*vii*

3 PAN-WAY U.S. Standard Screw-On Electrical/Communication Faceplates





Power & Communication Pole

Communication Only Pole

- U.S. Standard screw-on faceplate is used
- Can use most manufacturers' communication module frames (see chart on *page vii*)

Areas (in²)	A	B
Data & Power	.43	1.82
Data Only	—	2.46

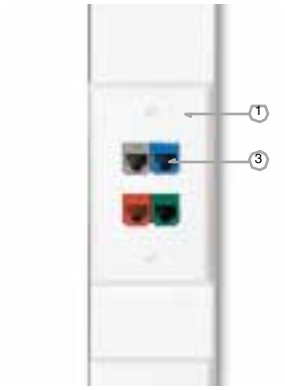
	Components Required	Power & Comm. Pole	Comm. Only Pole	See Page
1.	U.S. Standard Screw-On Electrical/Communication Faceplate(s) (CPG shown)	X	X	*A3*
2.	Standard Communication Module Frame	X	X	*vii*
3.	Device Mounting Bracket (T70SDB-X shown)	X	X	*I7*

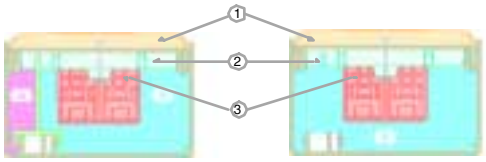
PAN-POLE™ Aluminum Outlet Pole Configurations

Application: Routing low voltage cables and/or power cabling: Fiber Optic, Category 5, UTP, ScTP, Coax or any other low voltage cable; power cables (up to 600V).

Components: pg. I6
Accessories: pg. I7

4 U.S. Standard Screw-On Communication Faceplates





Power & Communication Pole

Communication Only Pole

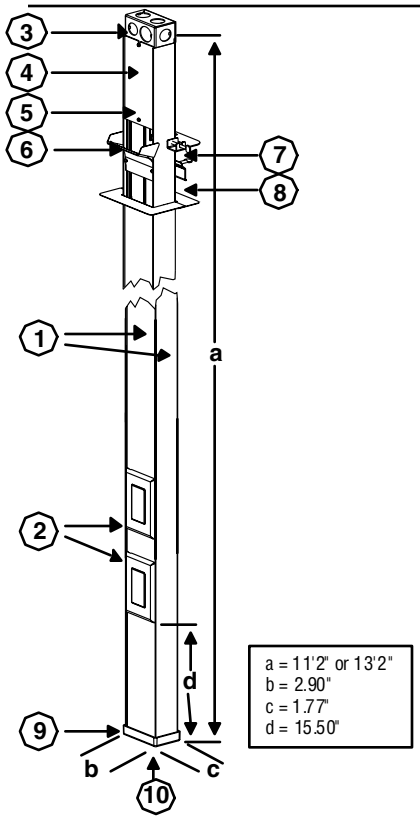
- Uses most manufacturers' NEMA standard 70mm communication faceplates
- Panduit® Styles available, for more information refer to *page xii*

Areas (in²)	A	B
Data Only	.43	1.82
Data Only	—	2.46

	Components Required	Power & Comm. Pole	Comm. Only Pole	See Page
1.	U.S. Standard Screw-On Communication Faceplate(s)	X	X	—
2.	Device Mounting Bracket (T70SDB-X shown)	X	X	I7
3.	Manufacturers' inserts and/or communication modules	X	X	—

PAN-POLE™ Aluminum Outlet Pole Components

PAN-POLE Power and Communication Pole



PAN-POLE Power and Communication Pole is a dual-channel aluminum pole for routing both power and communications cabling.

Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors
11 ft. lengths		**13 ft. lengths**		
PAN-POLE Power & Communications Pole				
PCPA11R20IW	1	PCPA13R20IW	1	Off White
PCPA11R20EI	1	PCPA13R20EI	1	Elec. Ivory

PAN-POLE Pole Assembly is supplied in 11 and 13 foot lengths for maximum ceiling heights of 10 or 12 feet.

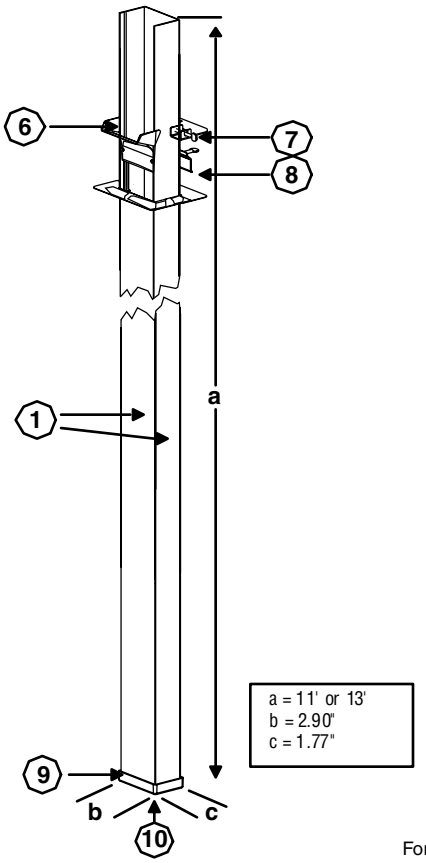
Standard furnished factory assembled pole configurations include the following:
1. Aluminum extruded base with blank plastic cover
2. Two (2) 20A factory wired rectangular outlets with wiring fed through power channel to base of power entry box
3. Power entry box with 1/2", 3/4", and 1" conduit breakouts
4. 8" removable plate for power wiring connections
5. Ground screw pre-mounted behind removable plate

Standard furnished mounting hardware includes:
6. Entry end bend radius fitting for communication cabling (two mounting screws included)
7. Ceiling T-bar bracket (two mounting screws included)
8. Two (2) ceiling tile trim plates
9. End cap with two pre-drilled holes
10. End cap floor grip pad

Data hardware sold separately

ORDERING INFORMATION:
Order number of **PAN-POLE** Aluminum Outlet Poles required.

PAN-POLE Communication Only Pole



PAN-POLE Communication Only Pole is a single-channel aluminum pole for routing communication cabling.

Part Number	Std. Pkg. Qty.	Part Number	Std. Pkg. Qty.	Colors
11 ft. lengths		**13 ft. lengths**		
PAN-POLE Communication Only Pole				
PCPA11IW	1	PCPA13IW	1	Off White
PCPA11EI	1	PCPA13EI	1	Elec. Ivory

PAN-POLE Pole Assembly is supplied in 11 and 13 foot lengths for maximum ceiling heights of 10 or 12 feet.

Standard furnished factory assembled pole configuration include the following:
1. Aluminum extruded base with blank plastic cover

Standard furnished mounting hardware includes:
6. Entry end bend radius fitting for communication cabling (two mounting screws included)
7. Ceiling T-bar bracket (two mounting screws included)
8. Two (2) ceiling tile trim plates
9. End cap with two pre-drilled holes
10. End cap floor grip pad

Data hardware sold separately

ORDERING INFORMATION:
Order number of **PAN-POLE** Aluminum Outlet Poles required.

PAN-POLE Accessories

T70SDB-X

Part Number	Description	Colors	Std. Pkg. Qty.	Std. Ctn. Qty.
Standard Faceplate Bracket (for Data)				
T70SDB-X	Used to mount NEMA standard single gang screw-on communication faceplates (not for use with snap-on faceplates).	Gray ONLY	1 pc.	10 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Standard Included Mounting Hardware

Ceiling T-bar bracket attaches ***PAN-POLE*** to drop ceiling T-bar (supplied with two thumb screws).

Entry End Bend Radius Control Fitting protects the integrity of communication cabling (supplied with two mounting screws).

Two ceiling tile trim plates provide an aesthetically pleasing appearance.

End Cap Fitting with pre-drilled screw holes provides sturdy base (screws not included).

End cap with supplied adhesive backed grip pad applied provides sturdy base for easy-to-move carpet mount applications.

2 Installing PAN-WAY™ Snap-On Faceplates into the PAN-POLE™ Aluminum Outlet Pole

Remove cover from Power and Communication or Communication Only Pole.

Cut cover to desired size.

Terminate jacks and snap into module frame.

Screw module frame and faceplate together.

Snap faceplate to channel.

Finished product.

3 Installing Standard Screw-On Communication Faceplates into the PAN-POLE™ Aluminum Outlet Pole

Remove cover from Power and Communication or Communication Only Pole.

Cut cover to desired size.

Snap-On standard faceplate bracket.

Terminate jacks, snap jacks into module frame and screw module frame to faceplate bracket.

Install faceplate over module frame.

Finished product.

4 Installing U.S. Standard Screw-On Communication Faceplates into the PAN-POLE™ Aluminum Outlet Pole

Remove cover from Power and Communication or Communication Only Pole.

Cut cover to desired size.

Snap-On standard faceplate bracket.

Terminate jacks and snap jacks into faceplate.

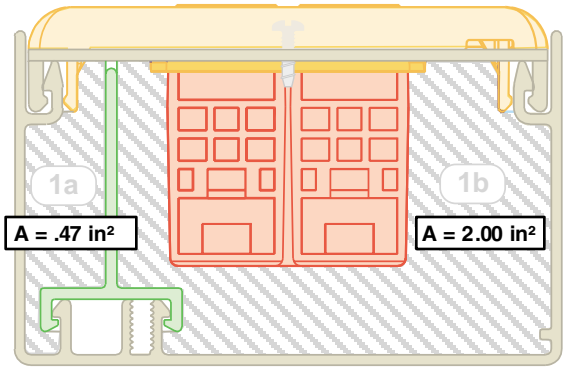
Install faceplate over bracket.

Finished product.

Fill Capacities for PAN-POLE™ Aluminum Outlet Poles

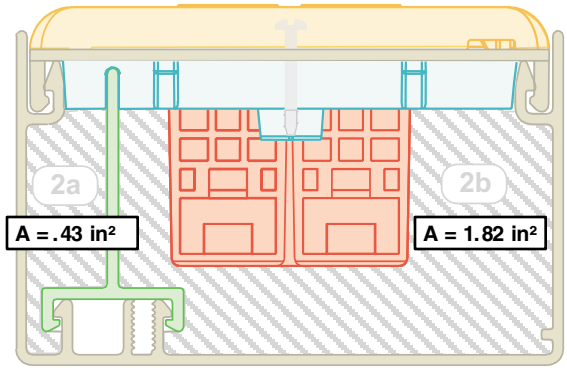
Use the wirefill configurations below along with the wirefill information contained on the next two pages as a guide in selecting the proper size raceway. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

PAN-POLE Power and Communication Pole



Wirefill #1: Data using Snap-On Communication Faceplates (with screw holes to mount a module frame)

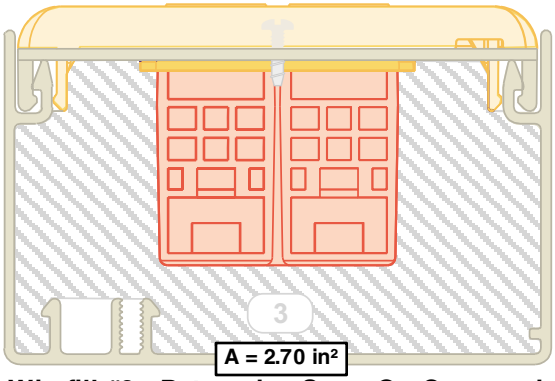
Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules.



Wirefill #2: Data using U.S. Standard Screw-On Communication Faceplate and Standard Faceplate Bracket

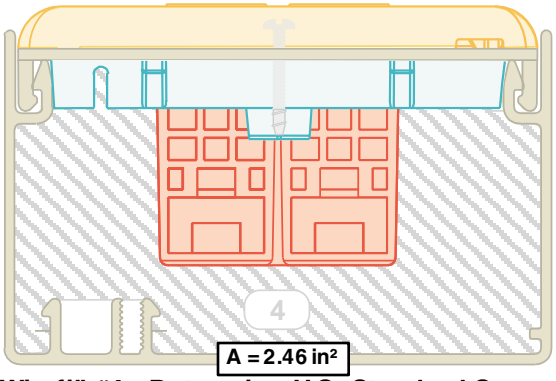
Includes: U.S. Standard Screw-On Communication Faceplate, Standard Faceplate Bracket, Sloped Insert, and Communication Modules

PAN-POLE Communication Only Pole



Wirefill #3: Data using Snap-On Communication Faceplates (with screw holes to mount a module frame)

Includes: Snap-On Communication Faceplate (with screw holes to mount a module frame), Standard Communication Module Frame and Communication Modules.



Wirefill #4: Data using U.S. Standard Screw-On Communication Faceplate and Standard Faceplate Bracket

Includes: U.S. Standard Screw-On Communication Faceplate, Standard Faceplate Bracket, Sloped Insert, and Communication Modules

Fill Capacities for *PAN-POLE*™ Aluminum Outlet Poles

This information is to be used as a guide in selecting the proper configuration. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on minimal cable interweaving and ideal packing factors (Electrical fill capacity based on UL temperature rise testing)

Fill Capacity Table for:
·Electrical ·Voice Grade 24 AWG UTP ·Data Grade 24 AWG UTP

Pole Channel Configurations		Electrical Cables	Voice Grade Cables						Data Grade Cables			
		AWG	24 AWG UTP CM/CMR						24 AWG UTP CM			
		12	2 pr		3 pr		4 pr		25 pr		**Cat. 5** 4 pr	
			DIA.= 0.120		DIA.= 0.150		DIA.= 0.190		DIA.=0.422		DIA.=0.217	
		0.122	FILL		FILL		FILL		FILL		FILL	
		MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	***PAN-POLE*** Power & Communications Pole	11	**	**	**	**	**	**	**	**	**	**
1b	***PAN-POLE*** Power & Communications Pole	**	70	106	45	67	200	42	5	8	21	32
2a	***PAN-POLE*** Power & Communications Pole	11	**	**	**	**	**	**	**	**	**	**
2b	***PAN-POLE*** Power & Communications Pole	**	64	96	41	61	25	38	5	7	19	29
3	***PAN-POLE*** Communications Only Pole	**	95	142	60	91	37	56	7	11	29	43
4	***PAN-POLE*** Communications Only Pole	**	87	130	55	83	34	51	7	10	26	39

NOTE: See *page xiv-xv* for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Data Grade 22 AWG UTP ·Data Grade 24, 22 AWG STP · 1A STP

Pole Channel Configurations		Data Grade Cables													
		24 AWG STP CM				22 AWG UTP CM				22 AWG STP CM				1A 22 AWG STP CM	
		25 pr		4 pr		25 pr		4 pr		25 pr		4 pr			
		DIA.=0.512		DIA.=0.250		DIA.= 0.544		DIA.= 0.234		DIA.=0.635		DIA.=0.286		DIA.=0.430	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	***PAN-POLE*** Power & Communications Pole	**	**	**	**	**	**	**	**	**	**	**	**	**	**
1b	***PAN-POLE*** Power & Communications Pole	3	5	16	24	3	5	18	27	2	3	12	18	5	8
2a	***PAN-POLE*** Power & Communications Pole	**	**	**	**	**	**	**	**	**	**	**	**	**	**
2b	***PAN-POLE*** Power & Communications Pole	3	5	14	22	3	4	25	37	2	3	11	16	5	7
3	***PAN-POLE*** Communications Only Pole	5	7	21	32	4	6	22	34	3	5	16	25	7	11
4	***PAN-POLE*** Communications Only Pole	4	7	20	30	4	6	22	34	3	4	15	22	6	10

NOTE: See *page xiv-xv* for further explanation of wirefill data.
** Not power configuration

Fill Capacities for PAN-POLE™ Aluminum Outlet Pole

This information is to be used as a guide in selecting the proper configuration. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—the recommended design in cable capacity. Leaves room for future moves, adds and changes

MAX=60% wirefill—the maximum cable quantity based on minimal cable interweaving and ideal packing factors (Electrical fill capacity based on UL temperature rise testing)

Fill Capacity Table for:
·Coax Cables

Pole Channel Configurations		Coax Cables									
		RG6/u DIA.=0.270 FILL		RG11/u DIA.=0.405 FILL		RG58/u DIA.=0.193 FILL		RG59/u DIA.=0.242 FILL		RG62A/u DIA.=0.242 FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**	**	**	**	**
1b	PAN-POLE Power & Communication Pole	13	20	6	9	27	40	17	25	17	25
2a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**	**	**	**	**
2b	PAN-POLE Power & Communication Pole	12	19	5	8	24	37	15	23	15	23
3	PAN-POLE Communication Only Pole	18	28	8	12	36	55	23	35	23	35
4	PAN-POLE Communication Only Pole	17	25	7	11	33	50	21	32	21	32

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Fill Capacity Table for:
·Fiber Optic Cable (62.5/125mm) ·Signal Cables

Pole Channel Configurations		Fiber Optic Cables (62.5/125mm)					
		2 Strand DIA.=0.175 FILL		4 Strand DIA.=0.175 FILL		6 Strand DIA.=0.210 FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX
1a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**
1b	PAN-POLE Power & Communication Pole	33	49	33	49	23	34
2a	PAN-POLE Power & Communication Pole	**	**	**	**	**	**
2b	PAN-POLE Power & Communication Pole	30	45	30	45	20	31
3	PAN-POLE Communication Only Pole	44	67	44	67	31	46
4	PAN-POLE Communication Only Pole	40	61	40	61	28	42

NOTE: See page xiv-xv for further explanation of wirefill data.
** Not power configuration

Telecommunication Equipment Room Products

FIBER-DUCT™ Routing System

NEC Compliant/UL Listed

The ***FIBER-DUCT*** Routing System provides a complete solution for routing and protecting your fiber optic cables. This system can also be used for Category 5, UTP, ScTP, and Coax cabling applications as well. The fittings are designed to maintain a minimum 2" cable bend radius which protects against signal loss due to excessive bending of cables. A full selection of fittings is available to speed the installation.

Additional features include:

UL Listed for general use

- UL94V-0 Flammability rating on all PVC fittings and PVC duct
- Snap on non-slip covers
- Two sizes: 2" X 2" and 4" X 4"
- Minimum 2" bend radius fittings
- Available in Orange, Light Gray, Black and Yellow (Duct—PVC; Fittings—ABS material)
- Available in clear (Polycarbonate material)
- Manufactured in an ISO 9001 registered facility

Excellent for use in:

- Telecommunications Closets
- Central Offices
- Equipment rooms
- Entrance facilities
- Appropriate floor and ceiling spaces

Panduit *FIBER-DUCT*™ Routing System provides the following key benefits:

Compliant with NEC Articles 770 & 800

- Protects against signal loss due to excessive bending
- Easy and secure installation—completely enclosed to protect cables
- Allows for distribution of large amounts of fiber cable
- Identifies Fiber Optic Cable (Orange = Multi-mode; Yellow = Single-Mode)
- Provides a totally integrated cabling solution
- ISO 9001 assures highest quality and reliability

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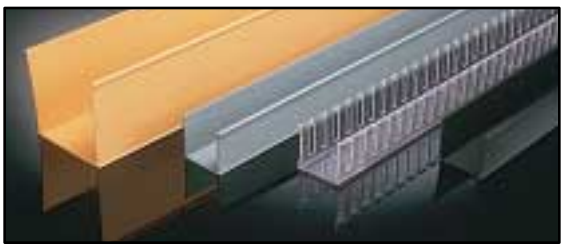
Fittings J3-J4
Mounting Brackets J4-J5

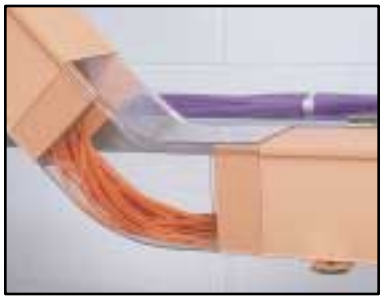


PANDUCT® Types E and S
Fiber Duct J3

Fill Capacity Information J6

FIBER-DUCT Routing System Applications

FIBER-DUCT **Routing System can be used with a cable management system when routing fiber optic or category 5 cables to telecommunications racks or enclosures.**

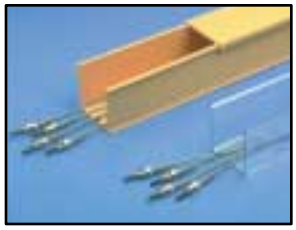


Both duct and fittings are available in clear for low smoke applications. The clear polycarbonate material allows cable color to show through for easy identification.

Both duct and fittings are available in orange (multi-mode) and yellow (single-mode) to clearly identify fiber optic cable.

All fittings in this system are designed with a minimum 2" bend radius to protect fiber optic cables. ***FIBER-DUCT*** **System includes a complete line of mounting hardware for a variety of applications.**

PANDUCT® Solid and Slotted Wall Wiring Duct



Duct Part Number	Nominal Duct Size Width (in)	Nominal Duct Size Height (in)	Cover Part Number	Color◆	Material	Std. Length	Duct Std. Ctn. Qty.	Cover Std. Ctn. Qty.
Types S and PS Solid Wall Wiring Duct								
S2X2OR6NM **PS2X2CL6NM**	2.00 (50.8mm)	2.00 (50.8mm)	**C2OR6** **PC2CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft
S4X4OR6NM **PS4X4CL6NM**	4.00 (101.6mm)	4.00 (101.6mm)	**C4OR6** **PC4CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft

NOTE: Available with mounting holes. To order delete NM from the Part Number.

Types E and PE Slotted Wall Wiring Duct

E2X2OR6 **PE2X2CL6**	2.00 (50.8mm)	2.00 (50.8mm)	**C2OR6** **PC2CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft
E4X4OR6 **PE4X4CL6**	4.00 (101.6mm)	4.00 (101.6mm)	**C4OR6** **PC4CL6**	Orange Clear	PVC Polycarbonate	6 ft 6 ft	120 ft 120 ft	120 ft 120 ft

NOTE: Available without mounting holes. To order add NM to the end of the Part Number.

◆ PVC material parts listed in Orange (OR) color. To order other colors in PVC material substitute Yellow (YL), BL (Black), and Light Gray (LG). Contact Factory for details.

ORDERING INFORMATION:
Order number of feet required, in multiples of Standard Length Increment.

FIBER-DUCT™ System Fittings

FCF2X2
FCF4X4

FEC2X2
FEC4X4

FFWC2X2
FFWC4X4

FIVRA2X2
FIVRA4X4

FOVRA2X2
FOVRA4X4

FIV452X2
FIV454X4

FOV452X2
FOV454X4

Part Number	Description	Material	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
FCF2X2OR **PFCF2X2CL**	Coupler Fitting — 2 x 2 Size Used to join two sections of duct together	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FCF4X4OR **PFCF4X4CL**	Coupler Fitting – 4 x 4 Size Used to join two sections of duct together	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FEC2X2OR **PFEC2X2CL**	End Cap Fitting — 2 x 2 Size Closes the end of the duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FEC4X4OR **PFEC4X4CL**	End Cap Fitting — 4 x 4 Size Closes the end of the duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FFWC2X2OR **PFFWC2X2CL**	Four Way Cross Fitting — 2 x 2 Size Used to join duct at four way cross intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FFWC4X4OR **PFFWC4X4CL**	Four Way Cross Fitting — 4 x 4 Size Used to join duct at four way cross intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIVRA2X2OR **PFIVRA2X2CL**	Inside Vertical Right Angle Fitting — 2 x 2 Size Used to join duct at 90° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIVRA4X4OR **PFIVRA4X4CL**	Inside Vertical Right Angle Fitting — 4 x 4 Size Used to join duct at 90° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOVRA2X2OR **PFOVRA2X2CL**	Outside Vertical Right Angle Fitting — 2 x 2 Size Used to join duct at 90° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOVRA4X4OR **PFOVRA4X4CL**	Outside Vertical Right Angle Fitting — 4 x 4 Size Used to join duct at 90° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIV452X2OR **PFIV452X2CL**	Inside Vertical 45° Fitting — 2 x 2 Size Used to join duct at 45° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FIV454X4OR **PFIV454X4CL**	Inside Vertical 45° Fitting — 4 x 4 Size Used to join duct at 45° inside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOV452X2OR **PFOV452X2CL**	Outside Vertical 45° Fitting — 2 x 2 Size Used to join duct at 45° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FOV454X4OR **PFOV454X4CL**	Outside Vertical 45° Fitting — 4 x 4 Size Used to join duct at 45° outside corners	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.

◆ ABS material parts listed in Orange (OR) color. To order other colors in ABS material substitute Yellow (YL), BL (Black), and Light Gray (LG). Contact Factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

FIBER-DUCT™ System Fittings (cont.)

FVT2X2
FVT4X4

FRA2X2
FRA4X4

FT2X2
FT4X4

FRF42

Part Number	Description	Material	Color◆	Std. Pkg. Qty.	Std. Ctn. Qty.
FVT2X2OR PFVT2X2CL	Vertical Tee Fitting — 2 x 2 Size Used to join vertical and horizontal sections of duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FVT4X4OR PFVT4X4CL	Vertical Tee Fitting — 4 x 4 Size Used to join vertical and horizontal sections of duct	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FRA2X2OR PFRA2X2CL	Right Angle Fitting — 2 x 2 Size Used to join duct at 90° flat junctions	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FRA4X4OR PFRA4X4CL	Right Angle Fitting — 4 x 4 Size Used to join duct at 90° flat junctions	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FT2X2OR PFT2X2CL	Tee Fitting — 2 x 2 Size Used to join duct at tee intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FT4X4OR PFT4X4CL	Tee Fitting — 4 x 4 size Used to join duct at tee intersections	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.
FRF42OR PFRF42CL	Reduces 4 x 4 size duct to 2 x 2 size.	ABS Polycarbonate	Orange Clear	1 pc. 1 pc.	5 pcs. 5 pcs.

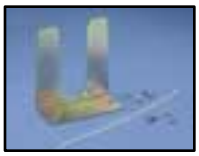
◆ ABS material parts listed in Orange (OR) color. To order other colors in ABS material substitute Yellow (YL), BL (Black), and Light Gray (LG). Contact Factory for details.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

FIBER-DUCT™ Innerduct Transition Fittings

FITF2X2M

FITF4X4AM



FITF4X4BM

Attaches to the end of ***PANDUCT***® Type E and Type S Duct. It can also be attached anywhere along the side walls of the duct provided the duct fingers or side walls are removed.

Part Number	Description	Material	Std. Pkg. Qty.	Std. Ctn. Qty.
Innerduct Transition Fitting – 2 x 2 Size				
FITF2X2	Provides transition from 2 x 2 duct to 3/4" to 1" innerduct.	Metal**	1 pc.	10 pcs.
Innerduct Transition Fitting – 4 x 4 Size				
FITF4X4A	Transition from 4 x 4 duct to 1-2 pcs. 1" innerduct.	Metal**	1 pc.	10 pcs.
FITF4X4B	Transition from 4 x 4 duct to 1-2 pcs. 1 1/4" innerduct.	Metal**	1 pc.	10 pcs.

** Commercial grade cold rolled steel with zinc chromate finish.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

FIBER-DUCT™ Mounting Brackets

FTRB12

FTRBE12
FTRBE58

FTRBN12
FTRBN58

FLRB

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FTRB12	Bracket attaches to UNISTRUT® Metal Framing. Accepts 1/2" threaded rod (not included). Contains bracket and hardware for attaching to metal framing.	1 pc.	10 pcs.
FTRBE12	Bracket attaches to existing 1/2" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FTRBE58	Bracket attaches to existing 5/8" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FTRBN12	Bracket attaches to new 1/2" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FTRBN58	Bracket attaches to new 5/8" threaded rod (not included). Contains bracket and hardware for attaching to threaded rods.	1 pc.	10 pcs.
FLRB	Bracket attaches to 3/8" X 1-1/2" or 3/8" X 2" ladder rack rails. Contains hardware for attaching bracket to ladder rack. Also contains hardware for attaching duct/fittings to bracket.	1 pc.	10 pcs.

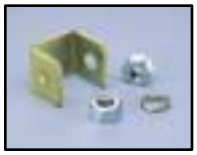
UNISTRUT® is a registered trademark of UNISTRUT Corporation

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

For Technical Assistance, call: **888-506-5400, Ext. 8287** (outside the U.S., see inside back cover for International Directory)

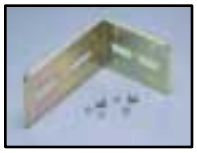
FIBER-DUCT™ Mounting Brackets (cont.)

FZBA1.5X4



FLB12X15
FLB12X20
FLB58X15
FLB58X20

FUSB



FLB

FMRB

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
FZBA1.5X4	Aluminum bracket used to offset duct from mounting surface, adjustable from 1½" to 4".	1 pc.	10 pcs.
FLB12X15	Bracket attaches to 1-1/2" ladder rack rail. Bracket accepts 1/2" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FLB12X20	Bracket attaches to 2" ladder rack rail. Bracket accepts 1/2" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FLB58X15	Bracket attaches to 1-1/2" ladder rack rail. Bracket accepts 5/8" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FLB58X20	Bracket attaches to 2" ladder rack rail. Bracket accepts 5/8" threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1 pc.	10 pcs.
FUSB	Bracket attaches to under-floor support pedestal (not included). Contains bracket and hardware for attaching bracket to pedestal. Also contains hardware for attaching duct/fittings to "L" Bracket.	1 pc.	10 pcs.
FLB	"L" Bracket attaches to walls. User supplies appropriate mounting hardware for attaching "L" Bracket to walls. Contains bracket and hardware for attaching duct/fittings to "L" Bracket.	1 pc.	10 pcs.
FMRB	"L" Bracket attaches to top rail of rack for added support. Contains bracket and hardware for attaching "L" Bracket to rack and bracket to duct.	1 pc.	10 pcs.

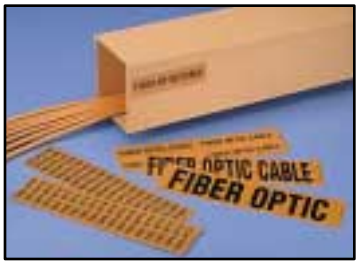
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

FIBER-DUCT™ Accessories

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
NR2WH-L	Optional snap rivet fastens duct and fittings together for added strength and rigidity. Fastener mounts flush to duct surfaces. 2" X 2" rivet white color.	50 pcs.	500 pcs.
NR4BL-L	Optional snap rivet fastens duct and fitting together for added strength and rigidity. Fastener mounts flush to duct surfaces. 4" X 4" rivet black color.	50 pcs.	500 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Fiber Optic Adhesive Markers



- Durable markers available in pressure sensitive card
- Legend: Black
- Background: Orange

Part Number	Legend	Part Number	Legend	Marker Size W X L In. (mm)	Markers Per Card	Std. Pkg. Qty.
Adhesive Marker Cards						
PCV-FOA	Fiber Optic	PCV-FOCA	Fiber Optic Cable	9.00 X 2.25 (228.6 X 57.2)	1	5 Cards
PCV-FOB	Fiber Optic	PCV-FOCB	Fiber Optic Cable	4.50 X 1.19 (114.3 X 28.6)	4	
PCV-FOC	Fiber Optic	PCV-FOCC	Fiber Optic Cable	2.25 X 0.50 (57.1 X 12.7)	18	

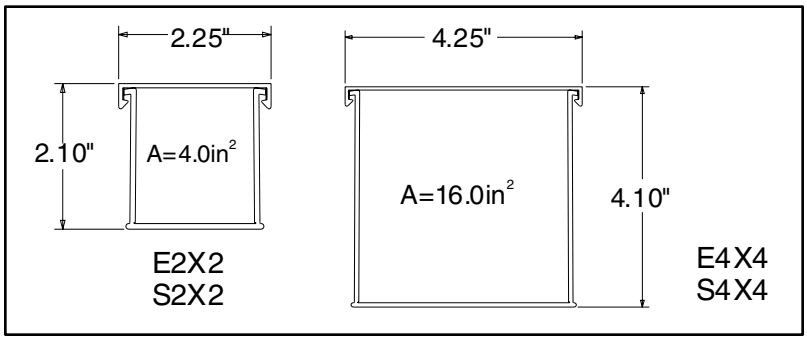
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package.

Fill Capacities for *PANDUCT*® Type E or Type S

This information is to be used as a guide in selecting the proper size duct. The maximum amounts may vary according to the wire installation methods, straightness of wires, etc.

SPEC=40% wirefill—*the recommended design in cable capacity. Leaves room for future moves, adds and changes*

MAX=60% wirefill—*the maximum cable quantity based on cable interweaving and packing factors or UL temperature rise test for electrical*



Fill Capacity Table for:

·Fiber Optic Cable (62.5/125mm) ·Data Grade 24 AWG UTP

Duct Type	Size	Fiber Optic Cables (62.5/125mm)														Data Grade Cables			
		2 Strand		4 Strand		6 Strand		12 Strand		24 Strand		36 Strand		72 Strand		24 AWG UTP CM			
		DIA.=0.24		DIA.=0.26		DIA.=0.27		DIA.=0.34		DIA.=0.55		DIA.=0.67		DIA.=0.89		25 pr. DIA=0.422		**Cat.5** 4 pr. DIA=0.217	
		FILL		FILL		FILL		FILL		FILL		FILL		FILL		FILL		FILL	
		SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
PANDUCT Type E or S	2"X2"	35	53	30	45	28	42	18	26	7	10	5	7	3	4	11	17	43	65
PANDUCT Type E or S	4"X4"	142	212	121	181	112	168	71	106	27	40	18	27	10	15	46	69	173	260

NOTE: See page xiv-xv for further explanation of the wirefill data.

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UL 569-A - Commercial Building Standard for Telecommunications Pathways and Spaces

The purpose of this standard is to standardize specific design and construction practices (in support of telecommunications media and equipment) within and between commercial buildings. Standards are given for rooms or areas and pathways into and through which telecommunications equipment and media are installed.

The key requirements for surface raceways are as follows:

Section 4.7 of 569-A describes perimeter pathways and it is here that surface raceway requirements are found. Surface raceways are horizontal pathways for the installation of media from the telecommunications closet to the work area.

Section 4.7 perimeter pathways — Key Points Summary:

- Perimeter pathways serve work areas where telecommunication devices can be reached from walls at convenient levels.
- Divided or multichannel raceways may include telecommunication and power cabling and outlets as needed.

4.7.1 also states that perimeter pathways shall comply with clause 10.3.

10.3 Horizontal pathway separation from EMI sources states:

1) Co-installation of telecommunications cable and power cable is governed by the applicable electrical code for safety. Article 800-52 of ANSI/NFPA 70 shall be applied, for example:
   a) separation from power conductors
   b) separation and barriers within raceway
   c) separation within outlet boxes or compartments

Article 800-52 requires a physical barrier between power and telecommunication cables. *(Non-metallic divider walls are suitable physical barriers.)* No minimum separation distance is required.

4.7.2.1 Surface raceway - Surface raceway consists of base, cover and related fittings that mount directly on walls at appropriate work levels to provide a continuous perimeter pathway. Telecommunication outlets are located along the raceway and may be moved or added after initial installation if desired.

4.7.2.4 Multi-Channel raceway - Multichannel raceway provides a perimeter pathway for different systems in combination, such as telecommunication and each channel is maintained for each system throughout the building.

4.7.3.2 Pathway Sizing - Currently states that practical raceway capacity for telecommunication cabling ranges from 20-40% depending on cable-bending radius. It further notes that pathway fill is under study. As a participant in that study, Panduit and other surface raceway manufactures have found that fill capacities of surface raceway can be up to 60% when appropriate bend radius is provided. Factors that affect fill capacity are discussed on the following page:

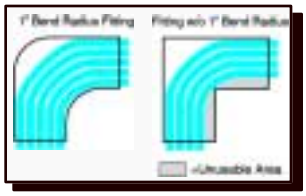
UL 569-A - Commercial Building Standard for Telecommunications Pathways and Spaces (cont'd)

Initially one may think... $\frac{\text{RACEWAY AREA}}{\text{CABLE(S) AREA}}$ = # of Cables that fit into the Channel

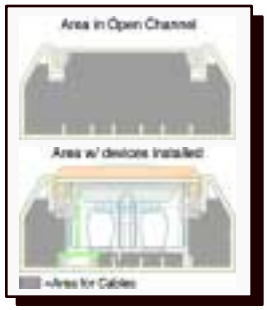
But in reality this is impossible..... Why?

Consider this...

- Cables placed into the channel leave some unusable area depending on the diameter of the cable and shape of the raceway channel. Commonly referred to as the "packing factor".



- If the cables being routed require a 1" bend radius and the fittings have a smaller radius even less internal area is available for cables.



- Termination devices placed within the surface raceway also reduce the available internal area within the channel.†
- Add in other real world considerations, such as, interweaved/crossed cables and the usable area becomes even less.

4.7.3.2 Pathway Sizing (cont'd) -

Anticipated changes to the existing fill capacity suggestions from 569-A have led Panduit to provide the following wirefill quantities for specifying ***PAN-WAY***™ Surface Raceway Systems:

$$\textbf{SPEC} = \frac{\text{Raceway Internal Area}}{\text{Cable Area}} \times 40\%$$

SPEC: The cable quantity to be used when specifying a new raceway. This quantity leaves room for adding cabling in the future.

$$\textbf{MAX} = \frac{\text{Raceway Internal Area}}{\text{Cable Area}} \times 60\%$$

MAX: The maximum cable quantity that will fit into the raceway (considering factors previously mentioned).^

^If the bend radius of the cable can not be realized with the fittings of the system this value cannot be attained.

Example: *Find the SPEC and MAX cable quantities for LDP3 (internal area= .21in²) when routing Category 5 UTP cabling (dia= .217")*

1. Determine Cable Area:

CABLE AREA $=\pi r^2$
$=(3.14)(.217/2)^2$
$=$**.03695in²**

2. Determine SPEC Quantity:

SPEC $=.21in^2/.03695in^2 \times .40$
$=2.27$ or
$=$**2 Cables**

3. Determine MAX Quantity:

MAX $=.21in^2/.03695in^2 \times .60$
$=3.40$ or
$=$**3 Cables**

Note 1: Per TIA/EIA TR41.8.3 Committee investigations new installations of perimeter raceway systems should be sized using a cable fill based on 40% of the raceway cross-sectional area. A maximum cable fill based on 60% of the raceway cross-sectional area may be attained if the pathway provides the appropriate bend radius for the radius of the cable being routed.

Note 2: Power cabling fill capacities of non-metallic raceways are determined by the UL-5A Temperature Test (See UL-5A Brief Explanation on following page.) The MAX value listed in wirefill capacity tables indicates the maximum number of power conductors that can be placed into the raceway channel or indicated channel area.

4.7.3.3 Physical Limitations - Use surface raceway in dry locations

4.7.3.4 Perimeter raceways should follow the bend radius requirements of the cable. (1" for category 5 UTP)

†Panduit wirefills reference only the usable area for each configuration of each system.
NOTE: The information provided above is intended for use only as a guideline. Please refer to the specified document for detailed test descriptions or standards information.

UL-5A Brief Explanation

(Standard for Safety of Non-metallic Surface Raceways and Fittings)

The UL Listing mark found on Panduit non-metallic surface raceway systems assures that the raceway components have been evaluated in accordance with the UL-5A standard. Our systems meet or exceed the requirements of **ALL** (not just some) of the tests outlined within UL-5A. This assures the end user of a quality product which will perform in a safe manner when installed as recommended.

A product bearing UL-5A listing complies with tests that include the following:

- Utilizes a UL RECOGNIZED material which meets specific UL property requirements. (such as volume resistivity, hot wire ignition, high current ARC ignition, dielectric strength and heat deflection temperature.)
- FLAMMABILITY: The system material has a flammability rating of 94V-0. The finished part has a flammability rating of 94-5VA. Both the raceway and associated fittings will not ignite combustible materials in its vicinity or support a flame longer than 60 seconds following the final test flame application.
- LOW TEMPERATURE HANDLING AT -32°C: This test assures that the raceway integrity will remain intact under typical conditions encountered during shipment and handling in a hostile subzero temperature.
- COLD TEMPERATURE IMPACT AT 0°C: A 1.18 lb. steel sphere is dropped from a height of 51inches to produce an impact of 5 ft./lbs. This test simulates the impact resistance of the product when subjected to a cold temperature extreme following installation, such as cold storage or an area without heat.
- CRUSHING: Both the raceway and fittings are subjected to a compressive load of 300 lbs. which is maintained for one minute. This load is twice the average weight of an average person. Following the removal of the load, both the raceway and fittings remain intact and show no signs of permanent deformation.
- TEST FOR MOLD STRESS: During the cooling process stresses may be frozen in the raceway or fitting. This test conditions the product in an air circulating oven for seven (7) hours at the maximum intended useful temperature of the system. After cooling to room temperature the raceway system with cover remains intact and secure.
- TEMPERATURE TEST: The raceway undergoes a four (4) hour test to determine the safe number of ELECTRICAL conductors with which to operate the system. This assures the end user that the POWER conductor and raceway will not exceed their respective temperature rating during their intended operation.
- TRIAL INSTALLATION: This is conducted to verify that the recommended installation instructions and MOUNTING HARDWARE are effective and that the system maintains a complete and safe enclosure of conductors.
- RECEPTACLE SECURENESS: Assures that a receptacle shall remain secure in the raceway when a power cord attachment plug is inserted and a 25 lb. weight is applied for 60 seconds. This test is conducted with the receptacle positioned horizontally to the ground and then repeated with receptacle face at a 30° angle to the power cord.
- SECURITY OF KNOCKOUT AND BREAKAWAY TAB: A knockout or break-away tab shall remain intact following a force application of 10 lbs. for 60 seconds. Following the removal of the tab no sharp edges shall be left which could cause the removal of the conductor insulation. This test assures that the tab can resist an applied force but can be removed easily per recommended instructions.

NOTE: The information provided above is intended for use only as a guideline. Please refer to the specified document for detailed test descriptions or standards information.

CSA 22.2 No. 62-93 Brief Explanation

(Surface Raceway Systems)

The CSA (Canadian Standards Association) Listing mark found on Panduit non-metallic surface raceway systems assures that the raceway components have been evaluated in accordance with the CSA 22.2 No. 62-93 standard. Our systems meet or exceed the requirements of **ALL** (not just some) of the tests outlined within CSA 22.2. This assures the end user of a quality product which will perform in a safe manner when installed as recommended.

These tests parallel the tests outlined on the previous page for UL listing and are not listed here (consult CSA22.2 No. 62-93 for specific test information.)

NEC Article 352B Brief Explanation

(Non-Metallic Surface Raceways)

Non-metallic surface raceways are addressed under section 352B of the National Electric Code, please reference this section of the NEC for specific information regarding non-metallic surface raceway.
352B applies to a type of non-metallic surface raceway and fittings of suitable nonmetallic material that is resistant to moisture and chemical atmospheres. It shall also be flame retardant, resistant to impact and crushing, resistant to distortion from heat under conditions likely to be encountered in service, and resistant to low-temperature effects.

Section 352B includes the following:

352-22. Use

The use of non-metallic surface raceways shall be permitted in dry locations. They shall not be used where concealed

352-26. Combination Raceways.

Where combination non-metallic surface raceways are used both for signaling and for lighting and power circuits, the different systems shall be run in separate compartments, identified by printed legend or by sharply contrasting colors of the interior finish, and the same relative position of compartments shall be maintained throughout the premises.

352-27. General.

Non-metallic surface raceways shall be of such construction as will distinguish them from other raceways. Non-metallic surface raceways and their elbows, couplings, and similar fittings shall be so designed that the sections can be mechanically coupled together and installed without subjecting the wires to abrasion.

352-28. Extension Through Walls and Floors.

Non-metallic surface raceways shall be permitted to pass transversely through dry walls, dry partitions, and dry floors if the length passing through is unbroken. Access to the conductors shall be maintained on both sides of the wall, partition, or floor.

352-29. Splices and Taps.

Splices and taps shall be permitted in non-metallic surface raceways having a removable cover that is accessible after installation. The conductors, including splices and taps, shall not fill the raceway to more than 75 percent of its area at that point. Splices and taps in non-metallic surface raceways without removable covers shall be made only in junction boxes. All splices and taps shall be made by approved methods.

NOTE: The information provided above is intended for use only as a guideline. Please refer to the specified document for detailed test descriptions or standards information.

Mounting Guidelines

Low Voltage (Data) Installations

Data only (low voltage <48V) raceway can be mounted with factory applied adhesive backing for permanent or temporary installation. The mounting surface must be smooth and clean for adhesive to work properly. *Caution - Adhesive attachment is permanent!* Removal may cause damage to mounting surface (i.e. may remove paper from drywall etc.).

Power Installations

Power rated single channel and multi-channel raceway must be mechanically fastened to the mounting surface (screwed onto) as required by the NEC. UL requires the mounting fasteners to be appropriate for mounting surface, meaning use a masonry fastener for attaching to brick; a wood screw for attaching to studs etc.
Fastener heads should be the “panhead” type to reduce the possibility of damaging the cable’s insulation. Fasteners are spaced every 16 inches and within 1½" of each end of the raceway. Panduit instruction sheets provide recommended spacing requirements for specific products.

Flammability

This test method measures the comparative burning characteristics of solid plastic materials‡.

UL Vertical Burning Test

Test samples measure 125mm by 13mm by the minimum thickness of the end product. Tests are conducted utilizing unaged samples (as manufactured) and aged samples (7 days @ 70°C, 158°F.) A standard test flame is applied for two 10 second applications to the unsupported end of a vertically clamped sample. The afterflame time is recorded following the first flame application. Both afterflame and afterglow times are recorded following the second flame application. Also observed and documented is if the sample drips flaming particles that ignite the cotton layer below.

Materials Classed 94V-0 (Criteria)

- Afterflame for each sample does not exceed 10 seconds following the removal of each flame application
- Total afterflame time for a set of five samples following both flame applications is not greater than 50 seconds
- Afterflame plus afterglow time for each sample does not exceed 30 seconds following the second flame application
- A sample does not exhibit afterflame or afterglow up to the holding clamp
- The cotton indicator below the sample does not ignite from flaming particles or droplets from the test sample

‡ This test is conducted under controlled laboratory conditions. It does not represent the material response under actual fire conditions.

Physical Properties

PROPERTIES	UNITS	TEST METHOD	PVC	ABS	POLY-STYRENE	ABS/PVC	POLYCARB.
GENERAL							
Specific Gravity	g/cc	ASTM D 792	1.38	1.22	1.18	1.19	1.21
Heat Deflection Temperature @264 psi	°F	ASTM D 648	163	160	185	203	270
Thermal Expansion 10^{-5}in/in/°F	°F	ASTM D 696	3.7	N/A	N/A	3.9	N/A
Thermal Conductivity	°F	ASTM C 177	1.3	N/A	N/A	N/A	N/A
Compressive Yield Strength	psi	ASTM D 695	8,100	N/A	N/A	N/A	12,500
BURNING CHARACTERISTICS							
Flammability Class	—	UL94	V-0	V-0	V-0	V-0	N/A
Smoke Density—ASTM	—	ASTM E 662	538	N/A	N/A	N/A	120
Limited Oxygen Index (LOI)	—	ASTM D 2863	40-49	N/A	N/A	30	37.8
HARDNESS							
Durometer Hardness	"D"	ASTM D 2240	78	N/A	N/A	N/A	N/A
Rockwell Hardness	"R"	ASTM D 785	111	N/A	N/A	122	118
TENSILE							
Strength at Yield	psi	ASTM D 638	6,200	5,800	4,000	8,700	9,000
Modulus	psi	ASTM D 638	390,000	300,000	N/A	380,000	N/A
FLEXURAL							
Strength at Yield	psi	ASTM D 790	11,000	9,500	4,700	13,800	13,200
Modulus	psi	ASTM D 790	350,000	300,000	280,000	390,000	325,000
IMPACT STRENGTH							
Notched Izod (.125") at:		ASTM D 256					
23°C (73°F)	ft-lb/in		17.0	3.0	1.7	14.0	12.0
0°C (32°F)	ft-lb/in		1.6	N/A	N/A	N/A	N/A
-18°C (0°F)	ft-lb/in		1.1	N/A	N/A	N/A	N/A
Unnotched Modified Izod at:		ASTM D 256					
23°C (73°F)	ft-lb/in		64.0+	N/A	N/A	N/A	60.0
0°C (32°F)	ft-lb/in		64.0+	N/A	N/A	N/A	N/A
-18°C (0°F)	ft-lb/in		42.0+	N/A	N/A	N/A	N/A
ELECTRICAL PROPERTIES							
Power Factor:		ASTM D 150					
60 Hz @30°C (86°F)	—		2.90	N/A	N/A	N/A	N/A
1 MHz @30°C (86°F)	—		4.00	N/A	N/A	N/A	N/A
Dielectric Constant:		ASTM D 150					
60 Hz @30°C (86°F)	—		3.90	N/A	N/A	N/A	3.01
1 MHz @30°C (86°F)	—		3.30	N/A	N/A	N/A	2.96
Dielectric Strength:		ASTM D 149					
Normal	volts/mil		690	N/A	N/A	760	425
Moist	volts/mil		700	N/A	N/A	N/A	N/A

NOTE: To the best of our knowledge the above information is accurate, is based upon accepted technical practices and is believed to be reliable. Panduit assumes no liability for the accuracy or completeness of this information.

Raceway Typical Specifications

FIBER-DUCT™ ROUTING SYSTEM:

The ***FIBER-DUCT*** non-metallic system shall be used to route, protect and conceal fiber optic, Category 5 UTP, ScTP and coaxial cables in communication closets. ***FIBER-DUCT*** solid and slotted wiring raceways shall have non-slip snap-on covers as well as a full complement of fittings. The system shall be manufactured in yellow, orange, black and gray colors from impact-resistant PVC with a flammability rating of U.L. 94V-0. In addition, a clear polycarbonate version for low smoke/halogen applications shall be available. 2" x 2" and 4" x 4" sizes shall be available along with fittings that have a 2" bend radius and mounting brackets. The ***FIBER-DUCT*** Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode.

PAN-WAY™ TYPE LDP SURFACE RACEWAY:

Type LDP non-metallic single channel, one-piece tamper resistant latch design, adhesive backed, hinged cover, surface raceway, shall be used to route, protect and conceal data, voice, video, fiber optic or power cabling. The surface raceway shall be listed as suitable for use in applications having up to 600V between conductors by Underwriters Laboratories, Inc. per standard 5A and LDP10 rated up to 300V by Canadian Standards Association per 22.2 No. 62-93, when installed per instructions. The raceway will include a full complement of power bend radius control (BRC), and standard fittings consisting of, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, entrance fittings, reducer fittings, tee fittings and an optional raceway installation tool. The BRC fittings shall incorporate a minimum 1" bend radius as recommended for Category 5 UTP and fiber optic cables in TIA/EIA 568-A. Type LDP surface raceway will be manufactured in 3 different lengths from impact-resistant material with a flammability rating of UL94V-0. Type LDP Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type LDP Raceway shall be available in 3 sizes, five standard colors and shall be optimized for use with the ***PANDUIT*®** ***PAN-NET***™ Network Cabling System.

PAN-WAY™ LD2P10 SURFACE RACEWAY:

Type LD2P10 non- metallic, two channel, one piece tamper resistant latch design, adhesive backed, hinged cover, surface raceway shall be used to route, protect, and conceal data, voice, fiber optic, and power cabling. The surface raceway shall be listed as suitable for use in applications having up to 600V between conductors by Underwriters Laboratories, Inc. Standard 5A, and rated up to 300V by Canadian Standards Association Standard 22.2 No. 62-93, when screw secured and installed per instructions. The raceway will include a full complement of fittings which maintain a 1" minimum bend radius, complaint with TIA/EIA Standards 568-A, as well as junction boxes which allow termination of both power and communications cabling. Type LD2P10 raceway will be manufactured from impact-resistant material with flammability rating of UL94V-0. Type LD2P10 raceway finish shall be pure color and will resist scratches and dents, and will not peel or corrode. Type LD2P10 raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT*** ***PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE LD SURFACE RACEWAY:

Type LD non-metallic single channel, a one-piece design, adhesive backed, hinged cover surface raceway, shall be used to route, protect and conceal low voltage data, voice, and video cabling. The raceway will include a full complement of bend radius control (BRC) and standard fittings consisting of, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, entrance fittings, reducer fittings, and tee fittings. The BRC fittings shall incorporate a minimum 1" bend radius as recommended for Category 5 UTP and fiber optic cables in TIA/EIA 568-A. Type LD raceway will be manufactured in 3 different lengths from impact-resistant material with a flammability rating of UL94V-0. Type LD Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type LD Raceway shall be available in 3 sizes and five standard colors and shall be optimized for use with the ***PANDUIT*** ***PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE LDS SURFACE RACEWAY:

Type LDS non-metallic surface raceway will be a one piece, solid raceway used to route, protect, and conceal data network, voice, or power cabling. The raceway shall be listed as suitable for use in applications having up

Raceway Typical Specifications (cont'd)

top 600 volts between conductors by Underwriters Laboratories, Inc. per standard 5A when screw secured with mounting straps and per installation instructions. The raceway shall be manufactured from impact resistant material with a flammability rating of UL94V-0. A full complement of power, 1" bend radius control (BRC), and standard snap-on fittings must be available. All fittings and boxes shall be tamper resistant to prevent unauthorized access to cables. Type LDS Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. It shall be optimized for use with the ***PANDUIT® PAN-NET™*** Network Cabling System.

PAN-WAY™ TYPE CD SURFACE RACEWAY:

Type CD non-metallic single channel surface raceway, shall be used to route, protect and conceal low voltage data, voice, and video cabling. The raceway shall be available in 3 sizes and shall include a full complement of bend radius control and standard fittings including, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, and tee fittings. The BRC fittings shall incorporate a minimum 1" bend radius as recommended for Category 5 UTP and fiber optic cables in TIA/EIA 568-A. The raceway shall consist of an adhesive backed base and separate cover. Screw mounted metal base pieces shall be available to mount the raceway to irregular mounting surfaces and to masonry surfaces. Type CD raceway must be manufactured from impact-resistant material with a flammability rating of UL94V-0. Type CD Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type CD Raceway shall be available in five standard colors and shall be optimized for use with the ***PANDUIT PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE PD SURFACE RACEWAY:

Type PD, a two-piece single channel non-metallic surface raceway, shall be used to route, protect and conceal data, voice, video, or power cabling. The surface raceway shall be listed as suitable for use in applications having up to 600V between conductors by Underwriters Laboratories, Inc. per standard 5A and up to 300V by Canadian Standards Association per 22.2 No. 62-93, when screw-secured and installed per instructions. The single-channel raceway shall include a full complement of power rated fittings including, but not limited to: elbows (internal and external), couplings for joining raceway sections, blank end fittings for closing open ends of the raceway, wire retainers, tee fitting and flexible fittings for raceway to raceway applications. The raceway shall consist of an adhesive backed base and cover. Type PD raceway must be tamper-resistant and must be manufactured from impact-resistant material with a flammability rating of UL94V-0. Type PD Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type PD Raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT PAN-NET*** Network Cabling System.

PAN-WAY™ TYPE T-70 SURFACE RACEWAY:

Type T-70 non-metallic multi-channel capable surface raceway shall be used to route, protect, and conceal data, voice, video, fiber optic and power cabling. The raceway shall be listed as suitable for use in applications up to 600 volts between conductors by Underwriters Laboratories, Inc. per standard 5A, and up to 300 volts by Canadian Standards Association, Inc. per 22.2 no. 62-93, when screw secured and installed per instructions. A full complement of fittings with a 1" minimum bend radius complaint with TIA/EIA 568-A, must be available as well as device brackets and internal junction boxes to install a variety of communication and electrical devices. Divider walls must be available to form separate channels in the multi-channel raceway. "Snap-on" faceplates for data and power terminations shall be available. An offset box shall be available, with versions for "snap-on" as well as "screw mount" faceplates, for mounting the power receptacle outside of the raceway channel. Type T-70 raceway will be manufactured from impact-resistant material with flammability rating of 94V-0. Type T-70 raceway must be tamper resistant yet also allow access for moves, adds and changes. Type T-70 Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type T-70 Raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT® PAN-NET™*** Network Cabling System.

PAN-WAY™ TWIN 70 SURFACE RACEWAY:

Twin 70 non-metallic, multi-channel surface raceway shall be used to route, protect, and conceal data, voice, fiber optic, and power cabling. The raceway shall be listed as suitable for use in applications up to 600V between

Raceway Typical Specifications (cont'd)

conductors by Underwriters Laboratories, Inc. standards 5A, and up to 300V by Canadian Standards Association, Inc. per standard 22.2 no. 62-93, when screw - secured and installed per instructions. A full complement of fittings which maintain a 1" minimum bend radius, compliant with TIA/EIA Standards 568-A, must be available as well as device brackets to install a variety of communication and electrical devices. The raceway shall provide two separate covers to maintain total separation of power and low voltage cabling. "Snap-on" faceplates for data and power terminations shall be available. Twin 70 raceway must be tampered resistant yet also allow access for moves, adds, and changes. Twin 70 shall be manufactured from impact-resistant material with a flammability rating of UL 94V-0. Twin 70 raceway finish shall be pure color and will resist scratches and dents, and will not peel or corrode. Twin 70 raceway shall be available in four standard colors and shall be optimized for use with the ***PANDUIT®*** ***PAN-NET™*** Network Cabling System.

PAN-WAY™ TYPE T SURFACE RACEWAY

Type T non-metallic multi-channel surface raceway shall be used to route, protect and conceal power and/or communications cabling. The raceway shall be listed as suitable for use in applications up to 600V between conductors by Underwriters Laboratories, Inc. per standard 5A, and up to 300V by Canadian Standards Association, Inc. per 22.2 No. 62-93, when screw-secured and installed per instructions. A full complement of power rated fittings, must be available as well as device brackets to install a variety of communication and electrical devices. Divider wall must be available to form up to 2 separate channels in the multi-channel raceway. Type T raceway must be tamper-resistant yet also allow access for moves, adds and changes and must be manufactured from impact-resistant material with a flammability rating of U.L. 94V-0. Type T Raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. Type T Raceway mounting brackets shall be available to mount to irregular mounting surfaces. Type T Raceway shall be available in three sizes and four standard colors and shall be optimized for use with the ***PANDUIT PAN-NET*** Network Cabling System.

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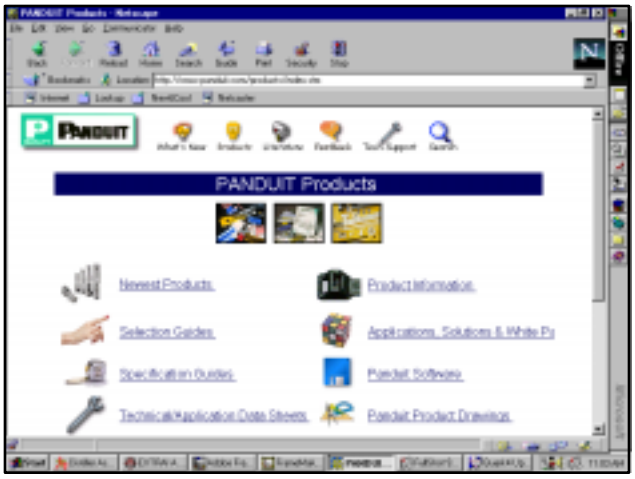
Support Resources

In addition to our complete product offering, Panduit also has a variety of support resources available:

Web Site

Visit us at www.panduit.com for the latest information on
- New Product Announcements
- Selection Guides
- Product Information
- Application Solutions
- Software Demo Downloads
- Product Drawings
- On-line Catalogs
- Installation Instructions
- Promotions and more!



On-Site Support

Our dedicated salesforce is ready to assist you on-site to provide
- Informational seminars on Lockout/Tagout Regulations and compliance
- Lockout/Tagout Device Consolidation Consultations
- Printer and Software Demonstrations
- Facility Identification Assessment

To reach your local salesperson, refer to the Sales Office listing on the back cover.

Toll-Free Product Selection Assistance

Our large, knowledgeable Customer Service staff is available 12½ hours a day to answer questions, provide distributor referrals, and check stock at 888-506-5400.

We also have many in-house experts available to provide suggestions and guide you to the best solution for your particular application. Just call our Product Management Department at 888-506-5400, ext. 7337 (outside the U.S., refer to our international listings on the back inside cover).

Software and Accessories

Three software packages designed for on-demand safety and facility printing:

- ***SAFETY EASE***™ Safety Sign is designed for printing signs and tags
- ***SAFETY EASE***™ Marker and Tag is designed for printing electrical and pipe markers and tags
- ***PAN-MARK***™ Labeling Software for applications that require custom formatting

Choose the system for your labeling application:

Software	Formatting Options	Type of Printer Used	Type of Products Produced			See Page
			Signs	Tags	Markers	
SAFETY EASE **Safety Sign**	Pre-formatted	Laser or Ink Jet	Indoor	Indoor	—	1
SAFETY EASE **Marker and Tag**	Pre-formatted	Laser or Ink Jet	—	Indoor	Indoor	4
		PTR2 Thermal Transfer Printer	Indoor / Outdoor	—	Indoor / Outdoor	
PAN-MARK **Labeling Software**	Bar Coding, Text and Graphic Import, Custom Layout	Laser, Ink Jet, Thermal Transfer	—	—	Indoor / Outdoor	8

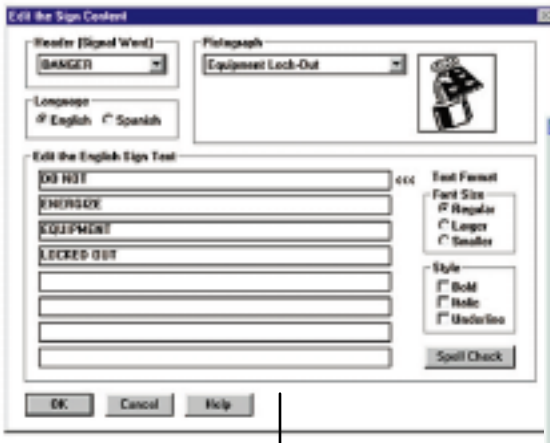
SAFETY EASE Safety Sign Software and Accessories

NEW

Create lockout, operational and electrical signs and tags in minutes!

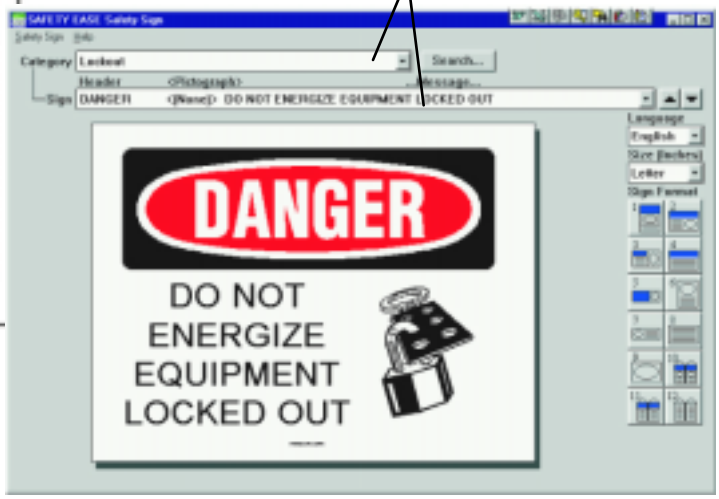
- Create cost-effective English and Spanish signs and tags on your ink jet or laser printer
- Select from over 2,000 pre-defined safety and general facility legends or create your own custom legend
- Pictographs and spell check included
- System Requirements: WINDOWS^ 3.1 or higher, 386 processor or higher, 4 Mb RAM for WINDOWS 3.1 and 3.11, 8 Mb RAM for WINDOWS 95, 3 Mb hard drive space (CD-ROM), 5 Mb RAM hard drive space (diskette)

Part Number	Description	Format	Std. Pkg.*
SEZ-SN	***SAFETY EASE*** Safety Sign Software	(2) 3.5" Diskettes	1
SEZ-SN-CD		(1) Compact Disk	1



Pop Up Edit Screen allows the user to quickly edit text, change headers and add pictographs

Convenient Category and Message Pull Down Menus allow user to choose from over 2,000 legends



^WINDOWS is a registered trademark of Microsoft Corp.

*Order number of software packages required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Adhesive Laser Printable Signs

- Indoor pressure sensitive signs with square corners on stay flat liner

Part Number	Header	Color (Legend/Background)	Size In. (mm)	Material	Signs/ Pkg.	Std. Pkg.*
SEZ-1DLL	DANGER	Red and Black/White	8.5 x 11.0 (216 x 279)	GMPO Polyolefin	25	1 Pkg.
SEZ-1CLL	CAUTION	Black/Yellow				
SEZ-1NLL	NOTICE	Blue/White				
SEZ-1WLL	WARNING	Black/Orange				
SEZ-1YLL	No Header	Yellow				
PLL-25-PO-SH	No Header	White				

Self-Laminating Adhesive Sign Carriers

- Convert paper to adhesive indoor signs
- For clean and dry surfaces

Part Number	Carrier Size In. (mm)	Maximum Label Size In. (mm)	Material	Carriers/ Pkg.	Std. Pkg.*
SEZ-SNC4	7.0 x 6.0 (178 x 152)	6.0 x 5.0 (152 x 127)	GMV4 Self-Laminating Plastic	5	1 Pkg.
SEZ-SNC2	10.5 x 7.0 (267 x 178)	9.5 x 6.0 (241 x 152)			
SEZ-SNC3	12.0 x 6.0 (305 x 152)	11.0 x 5.0 (279 x 127)			
SEZ-SNC1	12.0 x 9.5 (305 x 241)	11.0 x 8.5 (279 x 216)			

Print paper marker using a laser or ink jet printer and cut out with scissors.

Place marker between the two pieces of self-adhesive laminate liner.

Remove top adhesive liner by peeling and press firmly onto top of marker.

Remove liner on back of carrier and adhere to clean, dry surface.

Self-Laminating Rigid Sign Carriers

- Convert paper to rigid indoor signs
- Cut out paper sign and insert into the self-laminating carrier

Part Number	Carrier Size In. (mm)	Maximum Label Size In. (mm)	Material	Carriers/ Pkg.	Std. Pkg.*
SEZ-RSC1	7.0 x 6.0 (178 x 152)	6.0 x 5.0 (152 x 127)	GMV4 Self-Laminating Plastic	5	1 Pkg.
SEZ-RSC2	10.5 x 7.0 (267 x 178)	9.5 x 6.0 (241 x 152)			
SEZ-RSC4	12.0 x 6.0 (305 x 152)	11.0 x 5.0 (279 x 127)			
SEZ-RSC3	12.0 x 9.5 (305 x 241)	11.0 x 8.5 (279 x 216)			

*Order number of Std. Pkg's required.
Most commonly used parts appear in **BOLD**.

Indoor Rigid Vinyl Safety Tag Carriers for Laser or Ink Jet Printers

- Create your own rigid indoor tags with protected legends in minutes!
- Using the PST Tag carrier allows tags to be resistant to mild chemicals and acids
- Sturdy brass grommet provides extra durability
- Panduit PLT2S (7.4") nylon ties included for quick and easy installation
- Meet OSHA Standard 1910.147 for lockout tag 50 lb. pull force requirement

Part Number	Size In. (mm)	Lamination	Carriers and Ties/Pkg.	Material	Std. Pkg.*
PST-4	3.50 x 5.75 (89 x 146)	Front Only	25	GMV4 Self-Laminating Plastic	1 Pkg.
PST-6			100		
PST-5		Front and Back	25		
PST-7			100		

Print paper tag using a laser or ink jet printer. Use scissors to cut out tag.

Place tag between self-adhesive laminate liner and rigid vinyl backing. Fasten tag with Panduit Cable Tie.

Economical Card Stock Tags for Ink Jet Printers

- Economical solution for temporary, indoor tags

Part Number	Tag Size In. (mm)	Color	Material	Tags/ Sheet	Sheets/ Pkg.	Std. Pkg.*
SEZ-TAGWH	3.00 x 5.00 (76 x 146)	White	PCT Card Stock	4	25	1 Pkg.
SEZ-TAGOR		Orange				
SEZ-TAGY		Yellow				
SEZ-TAGRD		Red				
SEZ-TAGGR		Green				
SEZ-TAGBL		Blue				

Print sheet of tag stock using an ink jet printer. Tear tags apart on perforation.

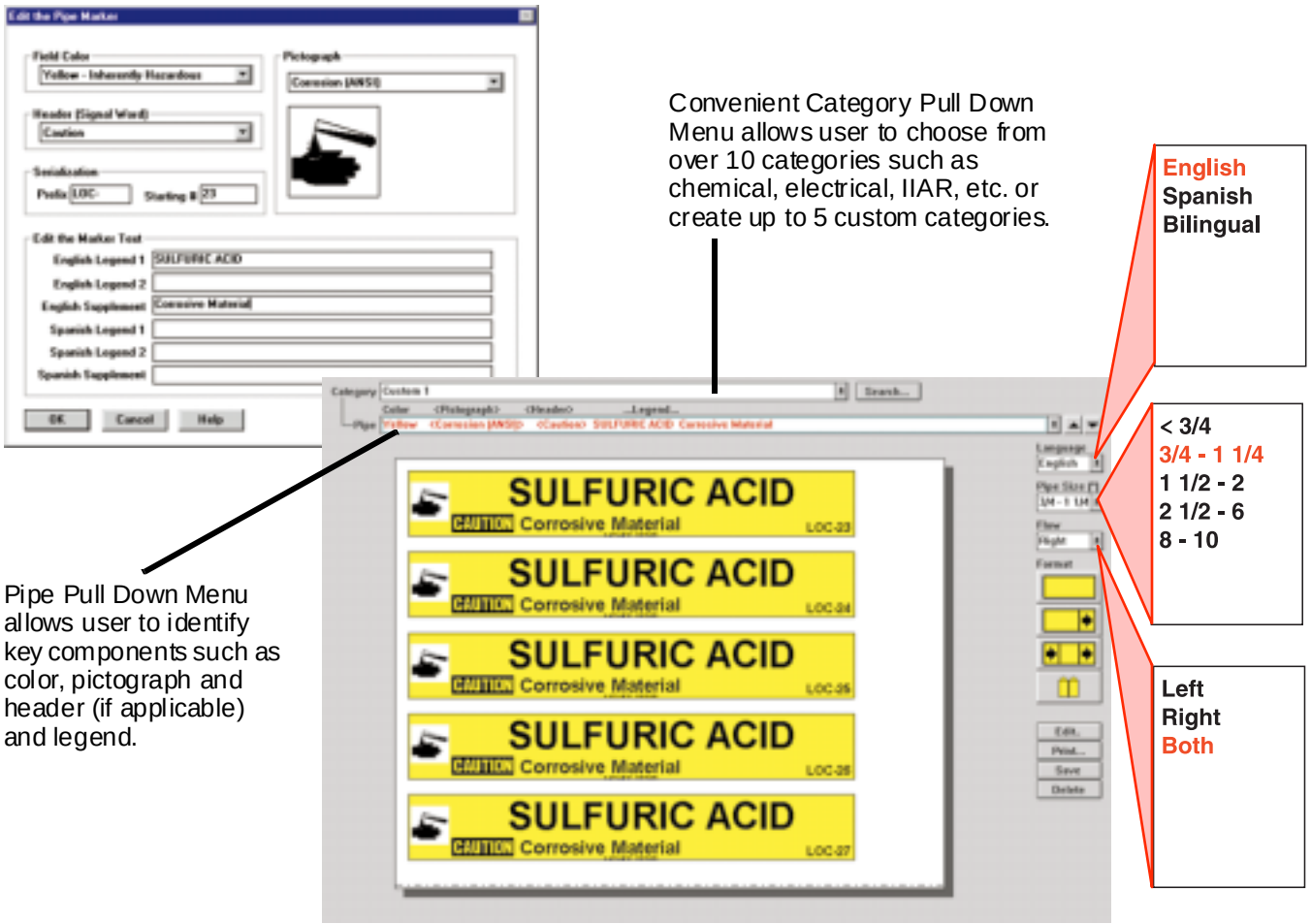
*Order number of Std. Pkg's required.
Most commonly used parts appear in **BOLD**.

SAFETY EASE Marker and Tag Software and Accessories

NEW

Create Electrical Markers, Pipe Markers and Tags — Just In Time!

- Produce English, Spanish and Bilingual electrical markers, tags and pipe markers with your own computer
- Select from over 500 defined ANSI, IIAR (Ammonia Refrigeration) and Medical Gas pipe marker legends or create your own custom legends in minutes!
- Pictographs, serialization and the ability to add additional information greatly enhance workplace safety, communication and training
- System Requirements: WINDOWS^ 3.1 or higher, 386 processor or higher, 4 Mb RAM for WINDOWS 3.1 and 3.11, 8 Mb RAM for WINDOWS 95, 3 Mb hard drive space (CD-ROM), 5 Mb RAM hard drive space (diskette)



Choose the system for your labeling application:

Printer Used	Type of Markers Produced			
	Pipe Markers	Electrical Markers	Tags	Signs
DURA-MARK™ PTR2 Printer	Indoor and Outdoor	Indoor and Outdoor	—	Indoor and Outdoor
Ink-Jet or Laser	Indoor	Indoor	Indoor	—

^WINDOWS is a registered trademark of Microsoft Corp.

SAFETY EASE / DURA-MARK PTR2 System:

Site licensing available.

Use the Panduit *DURA-MARK* PTR2 Thermal Transfer Printer to produce vivid indoor/outdoor adhesive vinyl markers and signs

- Clear over-laminate available to provide extra chemical and weather resistance
- Accessories available to convert adhesive markers to non-adhesive wrap-around markers, strap-on markers and signs
- Order supplies individually or in kits as listed below

Part Number	Description	Std. Pkg.*
PTR2	***DURA-MARK*** **Thermal Transfer Printer**	1
SEZ-PM	***SAFETY EASE*** **Software**	1

* Order number required in multiples of Std. Pkg.

PTR2 Supplies Sold Individually

Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Std. Pkg.*
TTP2-CLR	TTP Polyester Thermal Transfer Roll	2.00 (51)	100 (30)	Clear	1
TTV2-WHT	TTV Vinyl Thermal Transfer Roll	2.00 (51)	100 (30)	White	1
TTV2-YEL				Yellow	
TTV2-RED				Red	
TTV2-GRN				Green	
TTV2-BLU				Blue	
TTV2-ORG				Orange	
TTPA2-WHT	TTPA Paper Thermal Transfer Roll	2.00 (51)	125 (38)	White	1
TTR2-BL	Thermal Transfer Ribbon	2.50 (64)	280 (85)	Black	1
TTR2-WH			262 (80)	White	1
TTP2-LAM	TTP Polyester Overlaminate Roll	2.25 (57)	100 (30)	Clear	1
TTP4-CLR	TTP Polyester Thermal Transfer Roll	4.00 (102)	100 (30)	Clear	1
TTV4-WHT	TTV Vinyl Thermal Transfer Roll	4.00 (102)	100 (30)	White	1
TTV4-YEL				Yellow	
TTV4-RED				Red	
TTV4-GRN				Green	
TTV4-BLU				Blue	
TTV4-ORG				Orange	
TTPA4-WHT	TTPA Paper Thermal Transfer Roll	4.00 (102)	125 (38)	White	1
TTR-BL	Thermal Transfer Ribbon	4.33 (110)	280 (85)	Black	1
TTR-WH			262 (80)	White	1
TTP4-LAM	TTP Polyester Overlaminate Roll	4.25 (108)	100 (30)	Clear	1

Rolls are on 1.00" (25 mm) cores
*Order number of rolls required in multiples of Std. Pkg.

SAFETY EASE Electrical Marker and Tag Kit

- To create tags and 2" (51 mm) high yellow and orange markers

Part Number	Contents	Std. Pkg.*
SEZ-ELECKIT	(1) PTR2 ***DURA-MARK*** Printer	1 Kit
	(1) SEZ-PM ***SAFETY EASE*** Software	
	(1) TTV2-YEL 2" x 100' (51 mm x 30 m) Yellow Thermal Transfer Roll	
	(1) TTV2-ORG 2" x 100' (51 mm x 30 m) Orange Thermal Transfer Roll	
	(1) TTR2-BL 2.50" x 280' (64 mm x 85 m) Black PTR2 Ribbon	
	(25 tags & ties) PST-4 3.50" x 5.75" (89 x 146 mm) Self-laminating Tag with 0.38" (10 mm) Brass Grommet; Nylon ties included for each tag‡	

* Order number of kits required
‡ For use with laser or ink-jet printers

SAFETY EASE™ Pipe Marker and Tag Kit

- To create tags and 2" (51 mm) high yellow and green markers

Part Number	Contents	Std. Pkg.*
SEZ-PIPEKIT1	(1) PTR2 ***DURA-MARK*** Printer	1 Kit
	(1) SEZ-PM ***SAFETY EASE*** Software	
	(1) TTV2-YEL 2" x 100' (51 mm x 30 m) Yellow Thermal Transfer Roll	
	(1) TTV2-GRN 2" x 100' (51 mm x 30 m) Green Thermal Transfer Roll	
	(1) TTR2-WH 2.50" x 280' (64 mm x 85 m) White PTR2 Ribbon	
	(1) TTR2-BL 2.50" x 280' (64 mm x 85 m) Black PTR2 Ribbon	
	(25 tags & ties) PST-4 3.50" x 5.75" (89 x 146 mm) Self-laminating Tag with 0.38" (10 mm) Brass Grommet; Nylon ties included for each tag‡	

* Order number of kits required
*For use with laser or ink-jet printers

Create your own Wrap-Around and Strap-On Markers!

GMPET Rigid polyester carriers for marking surfaces where adhesive markers will not adhere. Select from wrap-around carriers for pipe outside diameters up to 2.0" (51 mm) or strap-on carriers for pipes with outside diameters over 2.5" (64 mm).

Wrap-Around and Strap-On Pipe Marker Carriers

Part Number	Style	Maximum Marker Length In. (mm)	Pipe Outside Diameter In. (mm)	Std. Pkg.*
SEZ-WRAP1	Flat Wrap-Around	13.0 (330)	0.75 - 1.25 (19 - 32)	1 Pkg. (5 pcs)
SEZ-WRAP2		17.0 (432)	1.25 - 2.00 (32 - 51)	
SEZ-STRAP6	Strap-On (5 ties required for installation)	24.0 (610)	2.50 - 6.00 (64 - 152)	
SEZ-STRAP8		38.0 (965)	8.00 and Over (203)	

*Order number of Std. Pkg's required.
NOTE: Panduit standard pressure-sensitive pipe markers can be used with the above carriers. Carrier outdoor life expectancy= Approximately 2 years for carrier only.

Pipe Marker Ties for Strap-On Carriers

Part Number	Maximum Pipe O.D. In. (mm)	Application	Std. Pkg.*
PLT7LH-L0	7.0 (178)	Indoor/Outdoor	50 ties
SLT10LH-L0	10.0 (254)		
SLT14H-L	14.0 (356)	Indoor	
SLT18H-L	18.0 (457)		

* Order number of ties required in multiples of Std. Pkg.

Wrap-Around:

Take adhesive backed marker and adhere marker to the top of the carrier.

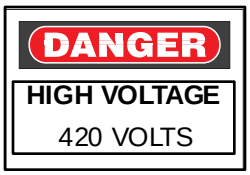
Wrap carrier around the pipe and adhere the adhesive strip onto the edge of the carrier. Carrier is now secure.

Carrier stays secure around pipe and marker identifies content and directional flow.
NOTE: Pre-coiled clear snap-on carriers are shown on page 65

Strap-On:

Apply adhesive backed marker to top of carrier. Secure carrier to pipe with pipe marker ties.

Create your own Safety Signs!



- Create your own legend using the Panduit ***DURA-MARK***™ PTR2 Printer in conjunction with your computer and clear polyester supply tapes shown on page 5
- Print legend on clear TTP Polyester tape and adhere marker to any of the pressure sensitive or rigid safety signs shown on page 19

SAFETY EASE / Laser or Ink-Jet Printer System:

Use your own computer and laser or ink-jet printer and Panduit **SAFETY EASE** software to create and print indoor electrical markers, tags and pipe markers.

- Print paper markers and tags on your printer
- Choose from the following accessories to convert paper to adhesive or non-adhesive markers and tags

Create your own Adhesive Electrical and Pipe Markers!

Indoor Polyester Adhesive Pipe Marker Carriers

- For clean and dry surfaces
- Insert the paper marker into the self-laminating adhesive carrier

Part Number	Maximum Marker Size In. (mm)	Pipe Outside Diameter In. (mm)	Carriers/ Pkg	Std. Pkg.*
SEZ-PMC.75	9.0 x 1.5 (229 x 38)	Less than 0.75 (19)	5	1 Pkg.
SEZ-PMC1	12.0 x 2.0 (305 x 51)	0.75 - 1.25 (19 - 32)		
SEZ-PMC2	16.0 x 3.0 (406 x 76)	1.50 - 2.00 (38 - 51)		
SEZ-PMC6	23.0 x 4.0 (584 x 102)	2.50 - 6.00 (64 - 152)		
SEZ-PMC8	32.0 x 9.0 (813 x 229)	8.00 (203) and above		

*Order number of Std. Pkg's required
NOTE: Panduit **DURA-MARK**™ PTR2 printed pressure-sensitive pipe markers can be used with the above carriers for added protection.

Print paper marker using a laser or ink-jet printer and cut out with scissors. Place marker between the two pieces of self-adhesive laminate liners.

Remove top adhesive liner by peeling and press firmly onto top of marker.

Marker is now ready to be applied to the pipe. Remove liner on back of the carrier and adhere to pipe.

Carrier stays secure around pipe and identifies content and directional flow.

Create your own Wrap-Around and Strap-On Markers!

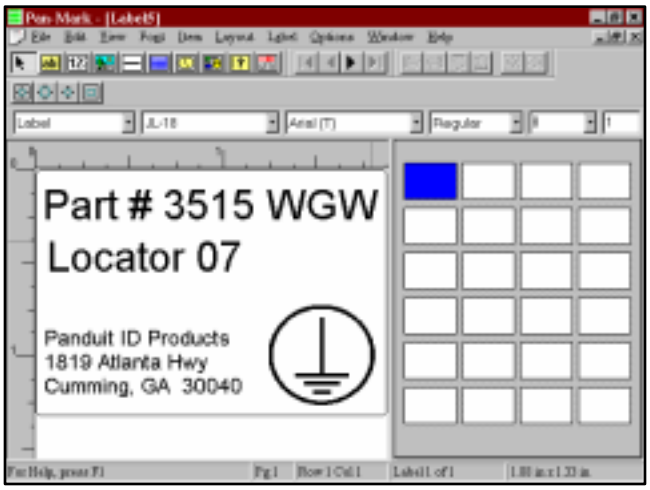
Create you own Wrap-Around and Strap-On markers designed for marking surfaces where adhesive markers will not adhere. After printing paper marker on laser or ink-jet printer and placing in Adhesive Marker Carrier, apply carrier to appropriate Wrap-Around or Strap-On Carrier. Then apply carrier to your marking surface.

Part number listing for Wrap-Around or Strap-On Carriers on *page 6*.

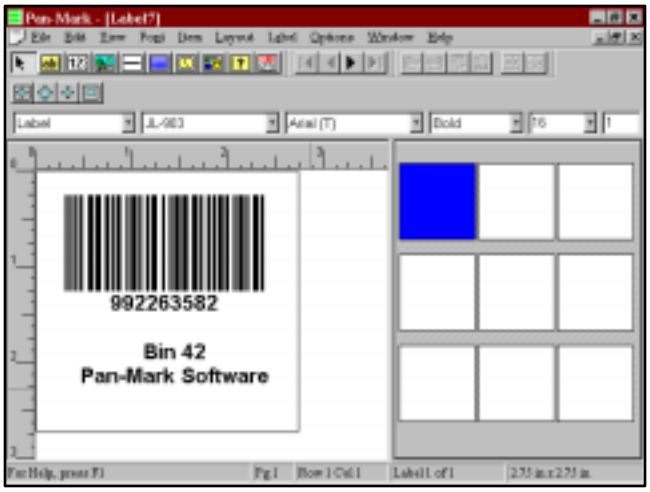
Create your own Tags!

Create you own rigid tags with protected legends or card stock tags for temporary applications on your own laser or ink jet printer. Part number listing on *page 3*.

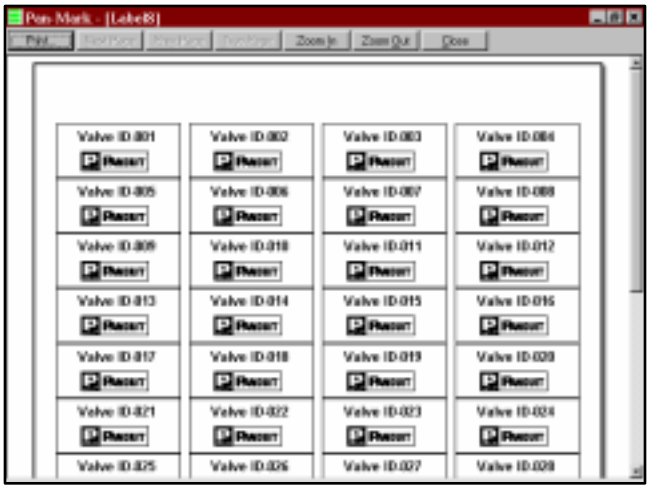
PAN-MARK™ for WINDOWS^ 2.5 Labeling Software



Import images from library of common electrical symbols



Bar coding and data import functions make even complex labels seem simple



Easy serialization and graphic import options

For applications using bar codes, imported graphics, and information from existing databases

- Easy to enter different text on each label — simply type the text and press Page Down for the next label!
- Includes all of the latest label formats for Panduit Thermal Transfer, Ink Jet, and Laser Labels
- Ability to create spreadsheets and databases within the program for data import and information storage
- Import data from most Microsoft databases such as EXCEL^ and ACCESS^
- 21 Resident Bar Code Symbologies
- Easy to install
- Available on CD-ROM

Software Features

- Uses all WINDOWS printer drivers and can be used to drive Panduit PTR2 and LS5E Printers
- Supplied with 3.5" disks or CD
- ODBC (Open Data-Base Connectivity) allows importing of information from electronic databases such as EXCEL^ and ACCESS^ directly onto the label formats
- Tool menu allows user to add to favorite WINDOWS tools
- Uses a full range of WINDOWS fonts including TrueType* fonts
- Print from 2 pt. to 300 pt. + on the same label
- Panduit label formats ready to use
- Create custom label formats
- Pipe Marker designs
- Image and text scaling
- Date, time, series, graphic and data import fields
- Format and label previews
- Print preview
- Multiple print range selection
- Text rotation and alignment

^ WINDOWS, EXCEL and ACCESS are registered trademarks of Microsoft Corp.
* TrueType is a registered trademark of Apple Computing, Inc.

Edit Functions

- Standard copy, cut and paste
- Copy multiple labels
- Remove, Insert and Find a label

Serialization

- Alpha, numeric, octal, hexidecimal and combinations
- Multiple serialized strings in same file
- Easy text and serialization combination
- Insert constants in an existing file

Bar Code Features

- Easily create certified bar codes
- Resident Bar Code Symbologies
- -Codabar
- -Code 128 (A, Auto, B, C)
- -Code 39 (Standard, Extended)
- -Code 93 (Standard, Extended)
- -EAN/JAN 13
- -EAN/JAN 8
- -HIBC/HIBC-LIC
- -Interleaved 2 of 5
- -MSI Plessey
- -PDF 417
- -UCC 128
- -UPC (A, E: 11 Digit, System 0, System 1)
- -Zip+4 Postal Codes

Image Functions

- Import Bitmap (.BMP) graphic images into a label — add you own company logo to labels!
- Copy image from one label to others
- Image library of common electrical and datacomm symbols includes these symbols and more!

System Recommendations

- WINDOWS^ 3.1, 3.11, WINDOWS 95, 98 and NT
- Mouse or keyboard driven
- Recommend 486 processor, min. 8 Mb of RAM
- 30 Mb of hard drive space

Part Number	Format	Std. Pkg.*
PROG-WIN2	3.5" Disks	1
PROG-WIN2CD	CD-ROM	1

*Order number of software packages required in multiples of Std. Pkg.
^ WINDOWS is a registered trademark of Microsoft Corp.

Printer Selection Matrix

Features	Printers			
	PTR2 (Pg. 11)	LS5/LS5E (Pg. 13)	LS3E (Pg. 15)	LS4M (Pg. 18)
Label Options				
Heat Shrink Markers	Yes	Yes	Yes	No
Component Markers	Yes	Yes	Yes	No
Industrial Laminated Tape	No	Yes	No	Yes
Commercial Non-Laminated Tape	Yes	Yes	No	Yes
Mechanical Specifications				
Type	Desktop	Hand-Held	Hand-Held	Portable
Print Method	Thermal Transfer	Thermal Transfer	9-Pin Dot-Matrix	Thermal Transfer
Volume	Medium to High	Low	Low	Low
Label Widths	Up to 4.10" (104 mm)	0.50" - 1.00" (13 - 25 mm)	0.25" - 1.50" (6 - 38 mm)	0.50" (13 mm)
Weight	4 lbs. (1.8 kg)	4.7 lbs. (2.1 kg)	2.7 lbs. (1.2 kg)	3.5 lbs. (1.6 kg)
Power Supply	AC	Batteries or AC	Battery Pack or AC	Batteries or AC
PC Interface Required	Yes	No	No	No
Optical Registration for Exact Print Registration	Yes	Yes	Yes	N/A
Memory	N/A	LS5 - 16Kb, LS5E - 450Kb	20 Kb	No
RS232 Port	Computer Interface	Yes	No	No
Cutter	No	Yes	No	Yes
Print Options				
Print Sizes	0.06" - 3.50" (2 - 89 mm)	6 point to 72 point	Small, Compressed, Normal, Large	6 point to 24 point
Lines of Variable Print	Dependent on software	6	47	4
Upper and Lower Case	Yes	Yes	Yes	Yes
Underline / Rotated / Bold Text	Yes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes	Yes
Bar Codes	Yes	Yes	No	Yes (with optional font card)

DURA-MARK™ PTR2 Thermal Transfer Printer And Accessories

Create your own custom electrical and pipe markers, bin markers or other large labels

- Versatile — Produce labels for many safety and MRO applications, on-site!
- Prints labels for a wide variety of Panduit Sign Panels (see page 19)
- Print legends up to 3.5" (89 mm) high
- Works with most standard PC's and label printing software including **SAFETY EASE**™ Marker and Tag Software (Part Number: SEZ-PM shown on page 4) and **PAN-MARK**™ **for WINDOWS**^ Labeling Software (Part Number: PROG-WIN2 shown on page 8)

Mechanical Information

Print Method:	Thermal transfer and direct thermal printing		
Size:	Height:	5.3"	(135 mm)
	Width:	7.9"	(200 mm)
	Depth:	8.9"	(226 mm)
	Weight:	4 lbs.	(1.8 kg)
Print Speed:	Select constant print speeds of 1", 1.5" or 2" (25, 38, or 51 mm) per second		
Media:	Roll Width:	1.1" - 4.6"	(28 mm - 118 mm)
	Max. Roll Diameter:	3.8"	(96 mm)
	Core Diameter:	1.0"	(25 mm)
	Use PTR2-RS Roll Stand for rolls with a core diameter > 1.0" (25 mm)		
Memory:	128 Kb Standard		
Double Buffer:	Contains a double buffer which makes the printer capable of printing continuously from WINDOWS		
Sensors:	See through sensor designed for die-cut labels and tag registration		
Graphics Resolution:	Up to 203 dpi		

Print Information

- Fonts can be printed in four directions: 0°, 90°,180° and 270°
- Capable of reverse print, bar coding and graphics
- Prints up to 32.0" length x 3.5" high (813 x 89 mm) characters
- 4.1" (104 mm) maximum print width
- Capable of horizontal and vertical print

Part Number	Description	Std. Pkg.*
PTR2	Thermal Transfer Printer	1
PTR2-RS	External Label Roll Stand *Used to rear feed labels that are not supplied on 1.0" (25 mm) cores*	1

*Order number required in multiples of Std. Pkg.

^WINDOWS is a trademark of Microsoft Corp.

PTR2 Thermal Transfer Ribbons

Part Number	Material	Size Width x Length	Use	Color	Std. Pkg.*
TTR-BL	Resin	4.33" x 280' (110.mm x 85 m)	Vinyl and Polyester Applications	Black	1
TTR2-BL	Resin	2.50" x 280' (64 mm x 85 m)	Vinyl and Polyester Applications	Black	1
TTR-WH	Resin	4.33" x 262' (110 mm x 80 m)	Vinyl and Polyester Applications	White	1
TTR2-WH	Resin	2.50" x 262' (64 mm x 80 m)	Vinyl and Polyester Applications	White	1
TTRW-BL	Wax	4.33" x 280' (110 mm x 85 m)	Paper and Heat Shrink Applications	Black	1
TTRW2-BL	Wax	2.50" x 280' (64 mm x 85 m)	Paper and Heat Shrink Applications	Black	1

*Order number of ribbons required in multiples of Std. Pkg.

2" (51 mm) Wide Rolls

Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Std. Pkg.*
TTP2-CLR	TTP Polyester Thermal Transfer Roll	2.00 (51)	100 (30)	Clear	1
TTV2-WHT	TTV Vinyl Thermal Transfer Roll	2.00 (51)	100 (30)	White	1
TTV2-YEL				Yellow	
TTV2-RED				Red	
TTV2-GRN				Green	
TTV2-BLU				Blue	
TTV2-ORG				Orange	
TTPA2-WHT	TTPA Paper Thermal Transfer Roll	2.00 (51)	125 (38)	White	1
TTP2-LAM	TTP Polyester Overlaminate Roll	2.25 (57)	100 (30)	Clear	1

Rolls are on 1.00" (25 mm) cores
*Order number of rolls required in multiples of Std. Pkg.

4" (102 mm) Wide Rolls

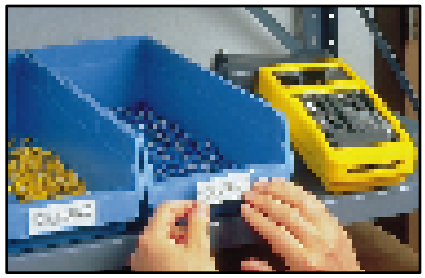
Part Number	Description	Roll Width In. (mm)	Roll Length Ft. (m)	Color	Std. Pkg.*
TTP4-CLR	TTP Polyester Thermal Transfer Roll	4.00 (102)	100 (30)	Clear	1
TTV4-WHT	TTV Vinyl Thermal Transfer Roll	4.00 (102)	100 (30)	White	1
TTV4-YEL				Yellow	
TTV4-RED				Red	
TTV4-GRN				Green	
TTV4-BLU				Blue	
TTV4-ORG				Orange	
TTPA4-WHT	TTPA Paper Thermal Transfer Roll	4.00 (102)	125 (38)	White	1
TTP4-LAM	TTP Polyester Overlaminate Roll	4.25 (108)	100 (30)	Clear	1

Rolls are on 1.00" (25 mm) cores
*Order number of rolls required in multiples of Std. Pkg.

LS5 and LS5E Industrial Labeling Systems

Hand-held, portable labeling systems designed to meet the rugged demands of industrial labeling applications

- Produce laminated and non-laminated tape, regular and tamper-evident labels and heat shrink markers
- Print up to 6 lines of text from 6 point to 72 point, plus bar coding
- Automatic alpha and numeric serialization, legend repeat and file storage memory to save time producing labels



Choose the System which best suits your application:

Mechanical Information

Print Method: Thermal transfer printing

Size:

Height:	4.5"	(114 mm)
Width:	6.0"	(152 mm)
Depth:	11.5"	(292 mm)
Weight:	4.7 lbs.	(2.1 kg) with batteries

Graphics Resolution: 203 dpi

Communications: RS232 serial communication port

Display: Two-line x 16 character display

Operating Temperature: 32° to 104°F (0° to 40°C)

Power Source: 6 C-Cell Ni-Cad batteries (Included)
UL Listed, CSA Approved Power Adapter (Optional)

Print Information

	LS5 Printer Part Number: LS5-KIT	LS5E Enhanced Printer Part Number: LS5E
Usable Memory	16K	450K
Inherent Bar Codes	Code 39, Code 128, Codabar, I 2 of 5, EAN 8, EAN 13, UPC A, UPC E	Code 39, Code 128, Codabar, I 2 of 5, EAN 8, EAN 13, UPC A, UPC E, PDF417, MSI Plessey
Enhanced Printer Features	—	Time and Date Clock Tape Feed Control Annunciator
Prompting Languages	English, Spanish, French, German, Portuguese, Italian	English, Spanish, French, German, Portuguese, Italian, Swedish, Danish, Dutch, Norwegian, Finish
Print Styles	Outline, Shadow, Underline, Bold, Frame, Italic, Mirror, Rotated	Underline, Bold, Frame, Italic, Mirror, Rotated
Edit Feature	Yes	Yes
Alpha/Numeric Sequencing	Yes	Yes
Repeat 999 times	Yes	Yes
Left/Right/Center Justification	Yes	Yes
Scaling	Yes	Yes
Up to 6 Lines of Text	Yes	Yes

Printer and Accessories

Part Number	Description	Std. Pkg.*
LS5-KIT	Industrial Labeling System Kit (Includes LS5 Printer, 6 C-Cell Ni-Cad Batteries, Ni-Cad Battery Charger, one LS5-33 Laminated 1" Industrial Tape Cartridge, 8 resident bar code fonts)	1
LS5E	Enhanced Industrial Labeling System Kit (Includes LS5E Printer, 6 C-Cell Ni-Cad Batteries, Ni-Cad Battery Charger, one LS5-33 Laminated 1" Industrial Tape Cartridge, one 9 pin null modem cable, 10 resident bar code fonts)	1
LS5-1	Replacement Battery Charger	1
LS5-2	Soft Sided Carrying Case (Optional)	1
LS5-3	Hand Strap (Optional)	1
LS5-60	AC Power Supply (Optional)	1
LS5-D	WINDOWS^ Driver Disk (Optional) For WINDOWS 3.1, 3.11 and 95	1

*Order number of pieces required in multiples of Std. Pkg.
^ WINDOWS is a registered trademark of Microsoft Corporation

Selecting the Correct Font Size

The charts below show the Font Point Size to use based on the tape or tubing used and lines of text desired:

Tape Width In. (mm)	Lines of Text					
	1 Line	2 Lines	3 Lines	4 Lines	5 Lines	6 Lines
0.50 (13)	30 pt	14 pt	8 pt	6 pt	—	—
0.80 (20)	55 pt	24 pt	16 pt	12 pt	9 pt	7 pt
1.00 (25)	72 pt	33 pt	21 pt	16 pt	12 pt	10 pt

Tubing Diameter In. (mm)	Lines of Text					
	1 Line	2 Lines	3 Lines	4 Lines	5 Lines	6 Lines
0.25 (6)	24 pt	10 pt	6 pt	—	—	—
0.38 (10)	36 pt	16 pt	10 pt	8 pt	6 pt	—
0.50 (13)	46 pt	20 pt	13 pt	10 pt	7 pt	6 pt

Laminated Industrial Tape Cartridges

- For tough jobs and can withstand extremes of heat and cold, resist abrasion, UV light exposure, and the most commonly used chemicals and solvent.

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg.*
LS5-530	0.50 (13)	40 (12)	Black/Clear	1
LS5-533			Black/White	1
LS5-535			Red/White	1
LS5-537			Black/Red	1
LS5-538			Black/Yellow	1
LS5-544			White/Black	1
LS5-547			White/Blue	1
LS5-548			White/Red	1
LS5-70	0.80 (20)	40 (12)	Black/Clear	1
LS5-72			Red/Clear	1
LS5-73			Black/White	1
LS5-74			Blue/White	1
LS5-75			Red/White	1
LS5-77			Black/Red	1
LS5-78			Black/Yellow	1
LS5-79			Black/Green	1
LS5-82			White/Clear	1
LS5-87			White/Blue	1
LS5-88			White/Red	1
LS5-89			White/Green	1
LS5-90			Black/Orange	1
LS5-30	1.00 (25)	40 (12)	Black/Clear	1
LS5-32			Red/Clear	1
LS5-33			Black/White	1
LS5-34			Blue/White	1
LS5-35			Red/White	1
LS5-37			Black/Red	1
LS5-38			Black/Yellow	1
LS5-39			Black/Green	1
LS5-42			White/Clear	1
LS5-44			White/Black	1
LS5-47			White/Blue	1
LS5-48			White/Red	1
LS5-49			White/Green	1
LS5-50			Black/Orange	1

Laminated Tamper-Evident Tape Cartridge

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg.*
LS5-33T	1.00 (25)	40 (12)	Black/White	1

Non-Laminated Commercial Tape Cartridge

- For indoor applications where abrasion and chemical resistance are not required

Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Legend/ Background Color	Std. Pkg.*
LS5-30C	1.00 (25)	4.00 (12)	Black/Clear	1
LS5-33C			Black/White	1
LS5-35C			Red/White	1
LS5-38C			Black/Yellow	1

White Die-Cut Label Cartridges

Part Number	Material	Label Size Width x Length In. (mm)	Labels/ Cartridge	Std. Pkg.*
LS5-17	Polyester	0.50 x 1.00 (13 x 25)	174	1
LS5-18	Polyester	0.66 x 3.44 (17 x 87) File Folder Size	92	1
LS5-19	Synthetic Paper	0.66 x 3.44 (17 x 87) File Folder Size	92	1
LS5-20	Synthetic Paper	1.00 x 4.00 (25 x 102)	82	1

3:1 Flattened Polyolefin Heat Shrink Tubing Supply Cartridges

Part Number	Diameter In. (mm)	Color	Length In. (mm)	Std. Pkg.*
LS5-HS3	0.25 (6)	Black/White	100 (2540)	1
LS5-HS4	0.38 (10)			1
LS5-HS5	0.50 (13)			1
LS5-HS8	0.25 (6)	Black/Yellow	100 (2540)	1
LS5-HS9	0.38 (10)			1
LS5-HS10	0.50 (13)			1

*Order number of cartridges required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Pan-Quik™ LS3E Hand-Held Dot-Matrix Printer and Accessories

Mechanical Information

NEW

Print Method: 9 pin dot-matrix print head

Size:

Height:	3.6"	(92 mm)
Width:	4.2"	(108 mm)
Length:	13.2"	(337 mm)
Weight:	2.7 lbs.	(1.2 kg)

Display: 2 line x 16 character liquid crystal display

Keyboard: 49 color coded keys with ergonomically designed keypad

Power Source: 12 VDC, 1200 mAh rechargeable Ni-Cad Battery Pack (Included)

Printer

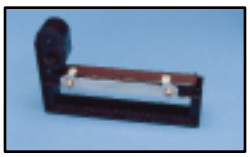
Part Number	Description	Plug Type	Operator's Manual Language	Std. Pkg.*
LS3E†	Includes Printer, Battery Pack, Battery Charger, Printer Ribbon, Wrist Strap and Operator's Manual	North American 120	English	1
LS3E-PS			Portuguese	
LS3E-ES			Spanish	

† Also available with Euro 230, U.K. 240 and Australian 240 Plugs and Operator's Manual in Chinese, Dutch, French, German, Italian and Japanese. Contact factory for complete part number information.
* Order number of printers required in multiples of Std. Pkg.

Printer Replacement Parts

Part Number	Description	Std. Pkg.*
LS3-RIB	Replacement Printer Ribbon	1
LS3E-BP	Replacement Battery Pack	1
LS3EC-S	Replacement North American 120 Battery Charger *Used only to charge LS3E battery.* *Cannot be used to power LS3E directly from Power Outlet.*	1
LS3E-MAN-A†	Replacement Operator's Manual - English	1

† To order Operator's Manual in other languages, replace -A with -C for Chinese, -N for Dutch, -F for French,- D for German, -I for Italian, -J for Japanese, -P for Portuguese, and -E for Spanish.
* Order number of replacement parts required in multiples of Std. Pkg.



LS3-RIB

LS3E-BP

LS3EC-S

LS3E-MAN-A

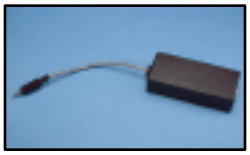
Optional Accessories

Part Number	Description	Plug Type	Std. Pkg.*
LS3EACS†	1 each: Universal AC Adapter (LS3EA), Battery Charging Pack (LS3E-CP) and Power Cord Listed (CORD-S) *Power LS3E directly from Power Outlet and charge LS3E Battery Pack at the same time*	North American 120	1
LS3EAK-S†	1 each: Universal AC Adapter (LS3EA) and Power Cord Listed (CORD-S) *Power LS3E directly from Power Outlet*	North American 120	1
LS3ECAP	1 each: Battery Charging Pack (LS3E-CP) and Auto Plug (LS3EAP) *Power LS3E directly from Auto Cigarette Lighter and charge LS3E Battery Pack at the same time*	—	1
LS3EAP	Replacement Auto Plug *Power LS3E directly from Auto Cigarette Lighter*	—	1
LS3E-CP	Replacement Battery Charging Pack *Power LS3E directly from AC Power Source and charge LS3E Battery Pack at the same time (Must be used with Universal AC Adapter and Power Cord - not included)*	—	1
LS3EA	Universal AC Adapter	—	1
CORD-S†	Replacement Power Cord	North American 120	1
LS3-CASE	Carrying Case	—	1
LS3-BS	Printer Belt Holster	—	1

† Also available with Euro 230, U.K. 240 and Australian 240 Plugs. Contact factory for complete part number information.
* Order number of accessories required in multiples of Std. Pkg.

LS3EACS

LS3ECAP


LS3E-CP

CORD-S

LS3-BS

LS3EAK-S

LS3EAP

LS3EA

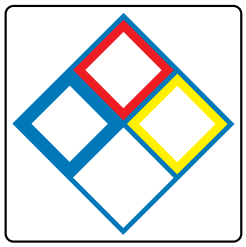
LS3-CASE

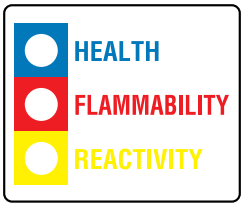
LS3E Labels

The label codes shown in each of the following charts are distinct codes used to tell the LS3E printer the size of the label.

Right-To-Know Labels

- Meet your OSHA Right-To-Know Labeling needs quickly and easily
- Label secondary containers of chemicals
- For increased protection, labels can be overlaminated with Clear Overlaminate Labels shown below


L3RTK-D
NFPA Diamond



L3RTK-B
Color Bar Format

Part Number	Label Code	Label Size In. (mm)	Material	Color (Legend/Background)	Labels/ Roll	Std. Pkg.*
L3RTK-D	3838	1.50 x 1.50 (38 x 38)	GMP1 Paper	Red, Blue and Yellow/ White	250	1 Roll
L3RTK-B	3232	1.50 x 1.25 (38 x 32)				

* Order number of rolls required in multiples of Std. Pkg.

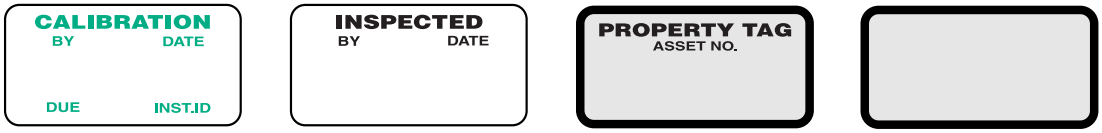
Clear Overlaminate Labels

- Apply on top of Right-To-Know labels, or other LS3E labels, to provide added abrasion and chemical resistance
- Labels are not imprintable

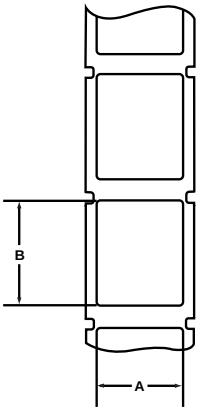
Part Number	Label Size In. (mm)	Material	Color	Labels/ Roll	Std. Pkg.*
L3RTK-LAM	1.75 x 1.75 (44 x 44)	Polyester	Clear	250	1 Roll

* Order number of rolls required in multiples of Std. Pkg.

Asset and Quality Labels



LC-39 LC-40 LC-38 LC-41

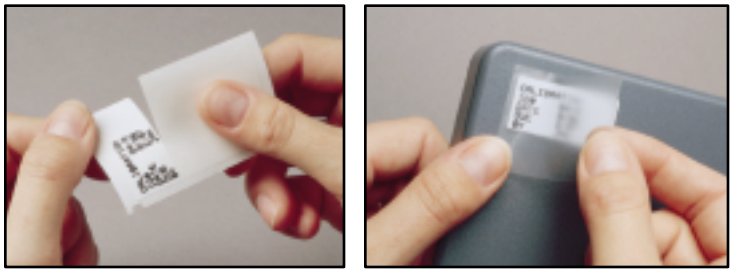


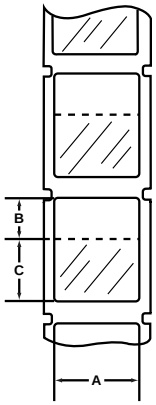
Part Number	Label Code	Label Size A x B In. (mm)	Material	Color (Legend/ Background)	Labels/ Roll	Std. Pkg.*
LC-39	3811	1.50 x 0.75 (38 x 19)	GMC Vinyl Cloth	Green/White	250	1 Roll
LC-40	3813	1.50 x 0.75 (38 x 19)	GMC Vinyl Cloth	Black/White	250	
LC-38	3611	1.50 x 0.75 (38 x 19)	GMY Polyester	Black/Silver	250	
LC-41	3617	1.50 x 0.75 (38 x 19)	GMY Polyester	Black/Silver	250	

*Order number of rolls required in multiples of Std. Pkg.

Laminated Label

- Print and apply top white label and overlaminate with clear bottom label
- Material: GMV3 Vinyl





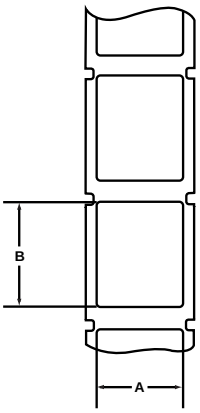
Part Number	Label Code	Print-On Label Size A x B In. (mm)	Overlaminate Label Size A x C In. (mm)	Normal Text‡		Labels/ Roll	Std. Pkg.*
				Lines Per Label	Characters Per Line		
LWS-11P	3819	1.50 x 0.75 (38 x 19)	1.50 x 1.75 (38 x 25)	5	16	100	1 Roll

‡ Similar information using other text sizes available in LS3E Manual
*Order number of rolls required in multiples of Std. Pkg.

Component Labels

- Available in a wide range of sizes
- Material: GMC5-W White Vinyl Cloth

Part Number	Label Code	Label Size A x B In. (mm)	Normal Text‡		Labels/ Roll	Std. Pkg.*
			Lines Per Label	Characters Per Line		
LC-6	1307	0.50 x 0.28 (13 x 7)	1	4	500	1 Roll
LC-3	1313	0.50 x 0.50 (13 x 13)	3	4	500	
LC-7	2507	1.00 x 0.28 (25 x 7)	1	10	500	
LC-9	2510	1.00 x 0.40 (25 x 10)	2	10	500	
LC-10	2513	1.00 x 0.50 (25 x 13)	3	10	500	
LC-4	2519	1.00 x 0.75 (25 x 19)	5	10	250	
LC-2	2525	1.00 x 1.00 (25 x 25)	7	10	250	
LC-8	3807	1.50 x 0.28 (38 x 7)	1	16	500	
LC-11	3813	1.50 x 0.50 (38 x 13)	3	16	500	
LC-5	3819	1.50 x 0.75 (38 x 19)	5	16	250	
LC-1	3832	1.50 x 1.25 (38 x 32)	9	16	250	



‡ Similar information using other text sizes available in LS3E Manual
*Order number of rolls required in multiples of Std. Pkg.

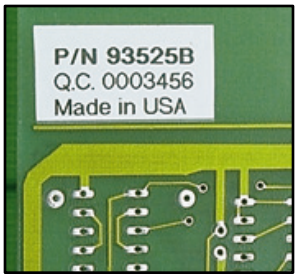
LS4M Multiple Line Portable Labeling System

High performance, self-contained labeling system that prints up to four lines of text on 0.50" (13 mm) wide adhesive tape

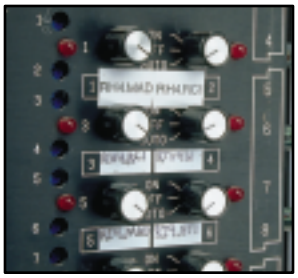
- Laminated, adhesive backed polyester tape is heat and scratch resistant, supplied in convenient cartridges
- Label cartridges feature built-in thermal transfer ribbon, overlaminate and cutter for trouble-free performance
- Indestructible polyester laminate insures no loss of readability
- Compact, portable size allows usage anywhere
- Use with AC Power Adapter (included) or four Ni-Cad batteries (not included)

Printer Features

- Prints in 3 standard font sizes 6, 8, and 12 point Helvetica
- Prints in bold, outline, vertical, negative image, mirror image, shadow and underline
- Prints marker either horizontally or vertically
- Automatic alpha and numeric sequencing
- Prints up to 15 characters per second
- Text may be scaled 2X for larger more legible print
- 16-character display screen allows text verification prior to printing
- Prints from 1-4 lines on single strip of tape



Circuit board labeling



Label switches, relays and other devices

Telecommunications labeling

Inventory and bin-marking

Printer and Accessories

Part Number	Description	Std. Pkg.*
LS4M	Multiple Line Labeling System (Includes AC Power Adapter, batteries not included)	1
LS4-60	Replacement 115 VAC Power Adapter	1
LS4-53	Ni-Cad Battery Charger (Optional)	1
LS4-54	3 of 9 Bar Code Font Card (Optional)	1
LS4-57	6 point Helvetica Regular Font Card (Optional)	1
LS4-58	18 point Helvetica Regular Font Card (Optional)	1
LS4-59	36 point Helvetica Regular Font Card (Optional)	1
LS4H-7	Black Carrying Case (Optional)	1

LS4M Industrial Labeling Tape (Heavy duty, outdoor)

- Withstand extremes of heat and cold, resist abrasion, UV light exposure, and the most commonly used chemicals and solvents.

Part Number	Width In. (mm)	Length Ft. (m)	Color	Std. Pkg.*
LS4-30I	0.50 (13)	50 (15)	Black/Clear	1
LS4-33I			Black/White	1
LS4-38I			Black/Yellow	1
LS4-42I			White/Clear	1
LS4-44I			White/Black	1

Standard Labeling Tapes

- Designed for indoor applications where abrasion and chemical resistance are not required

Part Number	Width In. (mm)	Length Ft. (m)	Color	Std. Pkg.*
LS4-30	0.50 (13)	50 (15)	Black/Clear	1
LS4-31			Blue/Clear	1
LS4-32			Red/Clear	1
LS4-33			Black/White	1
LS4-34			Blue/White	1
LS4-35			Red/White	1
LS4-36			Black/Blue	1
LS4-37			Black/Red	1
LS4-38			Black/Yellow	1
LS4-39			Black/Green	1
LS4-42			White/Clear	1
LS4-43			Green/White	1
LS4-44			White/Black	1
LS4-45			Black/Silver	1
LS4-46			Black/Gold	1
LS4-47			White/Blue	1
LS4-48			White/Red	1
LS4-49			White/Green	1
LS4-50			Black/Orange	1

*Order number of Std. Pkgs. required
Most commonly used parts appear in **BOLD**.

Sign Panels - Blank Space for Special Messages

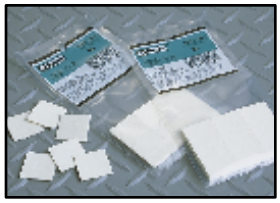
- Can be used with ***DURA-MARK***™ PTR2 Printer and ***SAFETY EASE***™ Marker and Tag Software shown on page 5 to create your own custom signs
  - Print your own legend on clear Polyester tape with the PTR2 Printer and adhere label to adhesive or non-adhesive Sign Panel
  - Order part number TTP2-CLR for 2" x 100' roll, or TTP4-CLR for 4" x 100' roll
- Can also be used with ***PAN-ALIGN***™ Die Cut Letter and Numbers shown on following page

Header	Color Legend/Background	Size In. (mm)	GMM Polyester (Self-Adhesive) Part Number	GMPE1 Polyethylene (Non-Adhesive) Part Number
CAUTION	Black/Yellow	7 x 10 (178 x 254)	**PPS0710C442**	**PRS0710C442**
		10 x 14 (254 x 356)	**PPS1014C442**	**PRS1014C442**
		14 x 20 (356 x 508)	**PPS1420C442**	**PRS1420C442**
DANGER	Red and Black/White	7 x 10 (178 x 254)	**PPS0710D440**	**PRS0710D440**
		10 x 14 (254 x 356)	**PPS1014D440**	**PRS1014D440**
		14 x 20 (356 x 508)	**PPS1420D440**	**PRS1420D440**
NOTICE	Black and Blue/White	7 x 10 (178 x 254)	**PPS0710N443**	**PRS0710N443**
		10 x 14 (254 x 356)	**PPS1014N443**	**PRS1014N443**
		14 x 20 (356 x 508)	**PPS1420N443**	**PRS1420N443**
BLANK	White	7 x 10 (178 x 254)	**PPS0710BWHT**	**PRS0710BWHT**
		10 x 14 (254 x 356)	**PPS1014BWHT**	**PRS1014BWHT**
		14 x 20 (356 x 508)	**PPS1420BWHT**	**PRS1420BWHT**
BLANK	Yellow	7 x 10 (178 x 254)	**PPS0710BYEL**	**PRS0710BYEL**
		10 x 14 (254 x 356)	**PPS1014BYEL**	**PRS1014BYEL**
		14 x 20 (356 x 508)	**PPS1420BYEL**	**PRS1420BYEL**

Sign Panel - Header Only

Header	Color Legend/Background	Size In. (mm)	GMV1 Vinyl (Self-Adhesive) Part Number
CAUTION	Yellow/Black	2.25 x 9.00 (57 x 229)	**PVS0209C446**
		5.00 x 14.00 (127 x 356)	**PVS0514C446**
DANGER	Red and Black/White	2.25 x 9.00 (57 x 229)	**PVS0209D445**
		5.00 x 14.00 (127 x 356)	**PVS0514D445**

Std. Pkg = 1 sign. Order number of signs needed in multiples of Std. Pkg.



Foam Mounting Tape - Precut Squares

- Can be used to mount Panduit Rigid Polyethylene signs

Rubber Adhesive Part Number	Acrylic Adhesive Part Number	Thickness In. (mm)	Size In. (mm)	Pieces/ Pkg.	Std. Pkg.*
P32W2R1-1X1-24	**P32W2A2-1X1-24**	0.03 (0.8)	1 x 1 (25 x 25)	24	1 Pkg.
P63W2R1-1X1-24	**P63W2A2-1X1-24**	0.06 (1.6)			

*Order number of Std. Pkg's required

PAN-ALIGN™ Letters and Numbers

- Use with Sign Panels shown on previous page
- Provide quick, attractive custom identification
- Self-spacing, self-adhesive
- Can be used for indoor/outdoor applications
- Easy-to-read gothic style typeface
- Available individually and in kits
- Resist UV light deterioration

Legend	Part Number 1" (25 mm) Height	Part Number 2" (51 mm) Height	Std. Pkg.*
Kits			
(20) ea. A, E, I, L, N, O, R, S, T (10) ea. All other letters (20) ea. 0 through 9 (5) ea. $, &, PUNC	**PD100-KIT**	**PD200-KIT**	1 Kit
Individually Packaged Numbers and Letters			
A thru Z	**PD100-A thru PD100-Z**	**PD200-A thru PD200-Z**	10 Markers
0 thru 9	**PD100-0 thru PD100-9**	**PD200-0 thru PD200-9**	10 Markers
& $ /-,. ◗	**PD100-AMPR PD100-DOLR PD100-PUNC PD100-AROS**	**PD200-AMPR PD200-DOLR PD200-PUNC PD200-AROS**	10 Markers

*For kits, order the number of kits required in multiples of Std. Pkg. For individual packages, order the number of markers required in multiples of Std. Pkg.

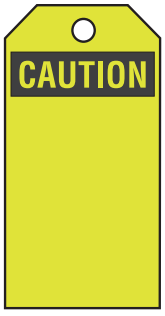
Do-It-Yourself Tags

- Can be written on with Panduit Permanent Marker Pens shown on the following page
- Package consists of 25 tags and 25 cable ties

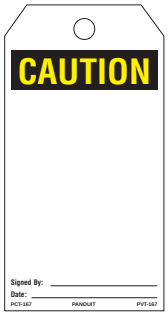
Part Number	Description	Size In. (mm)	Tags and Ties/Pkg.	Std. Pkg.*
PCT-*-Q**	Economical card stock for indoor or temporary use	3.00 x 5.75 (76 x 146)	25	1 Pkg.
PVT-*-Q**	GMV5 Semi-rigid plastic tags with 0.38" (10 mm) brass grommet for greater strength and increased durability			

*Order number of Std. Pkg's required

Blank Tags with Preprinted Headers



PCT-113-Q
PVT-113-Q
PCT-174F-Q



Front

Back

PCT-167-Q
PVT-167-Q

PCT-118-Q
PVT-118-Q

Front

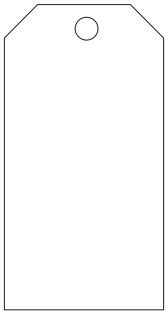
Back

PCT-166-Q
PVT-166-Q

PCT-140-Q
PVT-140-Q

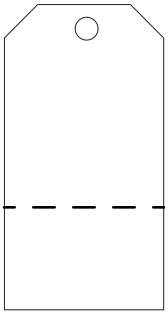
Do-It-Yourself Tags (cont.)

Blank Tags

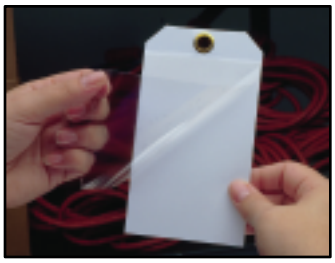


Color	Card Stock Tag Part Number	Rigid Plastic Tag Part Number
Blue	**PCT-232-Q**	**PVT-232-Q**
Green	**PCT-182-Q**	**PVT-182-Q**
Orange	**PCT-180-Q**	**PVT-180-Q**
Red	**PCT-179-Q**	**PVT-179-Q**
White	**PCT-94-Q**	**PVT-94-Q**
Yellow	**PCT-95-Q**	**PVT-95-Q**
Fluor. Green	**PCT-182F-Q**	—
Fluor. Orange	**PCT-180F-Q**	—
Fluor. Red	**PCT-179F-Q**	—
Fluor. Yellow	**PCT-95F-Q**	—

Perforated Tags



Color	Card Stock Tag Part Number
White	**PCT-228-Q**
Yellow	**PCT-229-Q**
Fluor. Red	**PCT-230F-Q**
Fluor. Yellow	**PCT-231F-Q**



Self-Laminating Tags

- Can be written on with Panduit Permanent Marker Pens shown below or used with Panduit ***SAFETY EASE***™ Software (see *page 1*)
- Durable polyester overlaminate protects legend
- Available with lamination on one side or both sides
- Package includes one cable tie for each tag

Part Number	Size In. (mm)	Lamination	Tags and Ties Per Pkg.	Std. Pkg.*
PST-1	3.00 x 2.00 (76 x 51)	Front Side Only	10	1 Pkg.
PST-2	3.25 x 5.00 (83 x 127)	Front Side Only	5	
PST-4	3.50 x 5.75 (89 x 146)	Front Side Only	25	
PST-6	3.50 x 5.75 (89 x 146)	Front Side Only	100	
PST-5	3.50 x 5.75 (89 x 146)	Front and Back Sides	25	
PST-7	3.50 x 5.75 (89 x 146)	Front and Back Sides	100	

*Order number of Std. Pkg's required

Permanent Marking Pens

- Permanent, fast-drying ink

Part Number	Description	Ink Color	Std. Pkg.*
PFX-0	Fine Tip Pen	Black	12
PFX-2		Red	12
PX-10	Regular Tip Pen	White	12
PX-0		Black	12
PX-2		Red	12

*Order the number of pens required in multiples of Std. Pkg.

Lockout Regulations Training Video and Handbooks

Updated

"A Life Is on the Line" Lockout/Tagout Training Program (English or Spanish)

This training program is designed to protect your employees and helps put you into compliance with OSHA Lockout/Tagout general training requirements quickly, easily and at low cost.

This complete package includes:
- Lockout/Tagout Regulations Video
- 10 Participant Guides with Quizzes
- 10 Certificate of Completion Cards
- Leader's Guide complete with Quiz Key
- Training Log
- Lockout/Tagout samples
- OSHA Publication 3120 - Control of Hazardous Energy
- Panduit Lockout/Tagout Bulletin

Part Number	Description	No. Guides and Cards Included	Std. Pkg.*
PSL-LTP	Complete English Program - VHS Format Video	10	1
PSL-LTPA	Complete English Program - PAL Format Video	10	1
PSL-LTM	Replacement English Participant Guides and Completion Cards	10	1
PSL-LTPS	Complete Spanish Program - VHS Format Video	10	1
PSL-LTMS	Replacement Spanish Participant Guides and English Completion Cards	10	1

Group Lockout Video

NEW

"Your Lock is Your Key to Life" Training Program provides thorough instruction on OSHA recommended safety practices and procedures for group lockout — multi-craft / multi-shift lockout operations.

This complete package includes:
- Group Lockout / Tagout Video
- Leader's Guide with Quiz Key
- Training Log
- 25 Lockout Steps Wallet Cards
- 10 Participant Guides with Quizzes
- 10 Certificate of Completion Cards
- Lockout/Tagout samples
- OSHA Publication 3120 - Control of Hazardous Energy
- Panduit Lockout/Tagout Bulletin

Part Number	Description	No. Guides and Cards Included	Std. Pkg.*
PSL-LTPGP	Complete English Program - VHS Format Video	10	1
PSL-LTMGP	Replacement English Participant Guides and Completion Cards	10	1

CD-ROM Interactive Lockout/Tagout Regulations Training Program

NEW

Increase employee retention of critical lockout/tagout requirements and related safe work practices with the "A Life Is On The Line" interactive CD-ROM Training Course. The Panduit "A Life Is On The Line" video is featured along with audio, text and graphics to provide a time and cost effective method of lockout/tagout training.

At their own pace, employees will learn:

- General Lockout/Tagout Requirements
- Proper Shutdown and Startup Procedures
- Lockout and Tagout Device Requirements and Applications
- Proper Installation of Common Lockout Devices

- Correct test answers and rationale are featured immediately after an incorrect response
- Post test evaluation identifies subject areas associated with incorrect responses to allow trainer to focus on individual follow up training
- Create and print Certificates of Completion and maintain training and test records for OSHA compliance
- Approximate course completion time: 30 to 60 minutes
- English only

This self-instructive program includes:

- CD-ROM interactive training program
- 25 PSL-STEPS Lockout Steps Wallet Cards
- Quick Start Trainer and Trainee Guide
- OSHA Publication 3120-Control of Hazardous Energy
- Panduit Lockout/Tagout Products Bulletin
- Lockout/Tagout Samples

Minimum System Requirements:

- 486 processor
- WINDOWS 95, 98, or NT 4.0 or higher
- 4 Mb RAM
- 10 Mb free hard disk space
- 2X speed CD-ROM drive (4X speed recommended)
- WINDOWS compatible sound card compatible mouse
- 640 x 480 monitor (800 x 600 recommended)
- 256 color VGA display (SVGA recommended)

Part Number	Description	Std. Pkg.*
PSL-LTPCD	CD-ROM Interactive Lockout/Tagout Training Program	1

OSHA Compliance Manual

The Lockout Compliance Manual takes you step-by-step through the process of bringing your company into compliance with OSHA Standard 29CFR 1910.147.

Topics covered:

- Background, scope and purpose of the regulation
- Process of developing a lockout/tagout plan
- How to write your company's lockout/tagout policy
- Establishing lockout/tagout procedures for equipment in your plant
- Implementing a lockout/tagout training program

Also included:

- Forms to administer your program
- Sample programs and procedures
- OSHA Publication 3120 - Control of Hazardous Energy

Part Number	Description	Std. Pkg.*
PSL-LCM	OSHA Compliance Manual	1

*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Lockout Steps / Calendar Wallet Card

NEW

- Provide those employees responsible for lockout/tagout procedures with a constant reminder of the OSHA recommended steps for shutdown and startup
- Semi-rigid card fits easily in wallet
- Current year calendar is printed on back side

Part Number	Description	Size In. (mm)	Std. Pkg.*
PSL-STEPS	Lockout Steps / Calendar Wallet Card	2.13 x 3.38 (54 x 86)	1 Pkg. (25 cards)

*Order number of packages required in multiples of Std. Pkg

Universal Circuit Breaker Lockout

Individual circuit breakers can be locked in off position without locking out the entire panel

- Accommodates breaker handles with 0.30" - 0.60" (8 x 15 mm) high and 0.25" - 0.44" (6 x 11 mm) thick switches
- Compact, universal design fits wide range of single, double and triple handle circuit breakers
- Easily attached with no modifications to panel or circuit breaker
- Does not require hole in circuit breaker handle

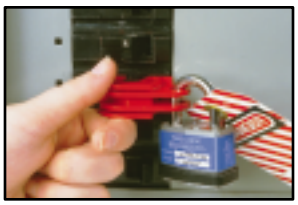
Part Number	Description	Std. Pkg.*
PSL-CB	Universal Circuit Breaker Lockout	1

*Order number of pieces required in multiples of Std. Pkg.

Turn switch to off position. Place lockout over desired switch.

Tighten set screw securely with standard screwdriver.

Attach padlock and tag.



Verify that the lockout device secures the disconnect in a safe or off position.

To lockout mini circuit breakers, see PSL-WS on *page 30*.

Molded Case / Enclosed Systems Circuit Breaker Lockout

NEW

- Accommodates breaker handle dimensions up to 0.80" thick x 3.00" wide (20 x 76 mm)
- Secures and prevents re-engaging of the breaker handle
- Easy installation — no installation tools required
- Accepts Panduit PSL-3, PSL-4, PSL-5 and PSL-11 Lock Series (see pages 34-35)
- Rugged stainless steel/nylon construction offers great strength, durability, added security and corrosion resistance

Part Number	Description	Std. Pkg.*
PSL-CBL	Molded Case / Enclosed Systems Circuit Breaker Lockout	1

Designed to lockout a wide range of 3 phase circuit breakers (277V and above)

Verify circuit breaker is de-energized. Place PSL-CBL lockout device over breaker with the handle centered in lockout opening.

Turn the toggle set screw knob and tighten firmly against breaker handle.

Rotate and flip toggle set screw towards breaker handle.

Install lock and tag and test for security. Verify that the lockout device secures the disconnect in a safe or off position.

NOTICE

Panduit has a highly trained salesforce ready to conduct informational Lockout/Tagout Regulations seminars *at your facility.*

Call your nearest Panduit Sales Office today to set up an appointment!

(See back cover for sales office listing)

*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Lockout Warning Strip Labels

NEW

- Write-on area for adding your own warning message
- Label removes easily after repairs are completed
- Features the international prohibition symbol for "Do Not Throw Switch"

Part Number	Material	Marker Size In. (mm)	Markers/ Book	Std. Pkg.*
PSL-CBWL	GMC1 Vinyl Cloth	4.84 x 0.54 (123 x 14)	60	1

Designed as a warning device to prohibit tampering with push buttons during lockout operations.

NOTE: This is not a lockout device.

Multiple Lockout Device

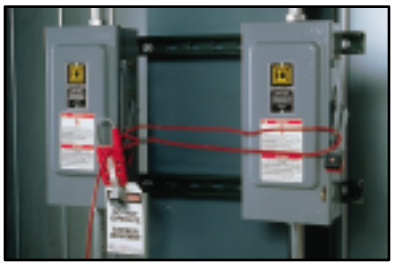
NEW

- Rugged stainless steel/nylon construction offers great durability, strength, added security and corrosion resistance
- Compact and easy to install
- One six foot vinyl coated galvanized steel cable with loophole **free** with every lockout!

Only one device needed to perform a variety of lockout functions:

Part Number	Description	Std. Pkg.*
PSL-MLD	Multiple Lockout Device; includes lockout hasp and cable	1
PSL-MLDC	6 ft. (1.8 m) vinyl coated galvanized steel cable with loophole, 0.19" (4.8 mm) diameter. Combine several cables to extend cable length.	1
PSL-MLDC200	200 ft. (61.0 m) vinyl coated galvanized steel cable on roll, no loophole, 0.19" (4.8 mm) diameter	1
PSL-MLDH-X	PSL-MLD Lockout Hasps without cable	10

Lockout Single or Multiple Disconnects



Gate Valve Lockout Device

Immobilize Large or Cumbersome Devices

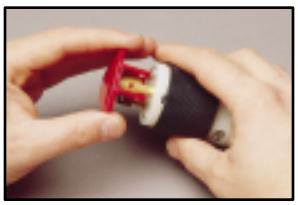
*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Plug Lockout

Prevents a plug from being plugged in

- Lockout device for a wide range of 120 Volt AC and industrial plug connector applications
- Requires a hole in a blade of the plug
- Should be used with locks that have a minimum shackle length of 1.5" (38 mm)

Part Number	Description	Std. Pkg.*
PSL-P	Plug Lockout	1



Place PSL-P Lockout through the hole in blade of plug.

Insert padlock shackle through both holes in the lockout and lock padlock.

Verify that lockout cannot be removed from plug and that plug blades cannot be inserted into a receptacle. Add safety tag.

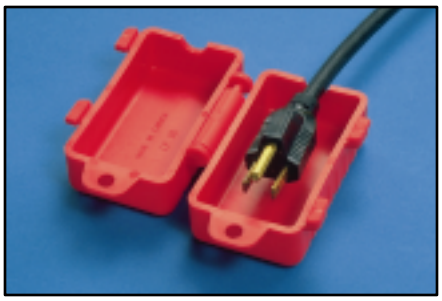
NOTICE

Do your employees need training on proper installation of Lockout/ Tagout devices?
Our salespeople can help!

Call your nearest Panduit Sales Office today to find out more.

(See back cover for sales office listing)

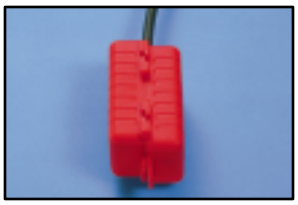
Cord Lockouts



Prevents a plug from being plugged in

- Two sizes for 120 Volt AC cords and 250-480 Volt AC cords
- Locks must have 0.38" (10 mm) or smaller shackle diameter

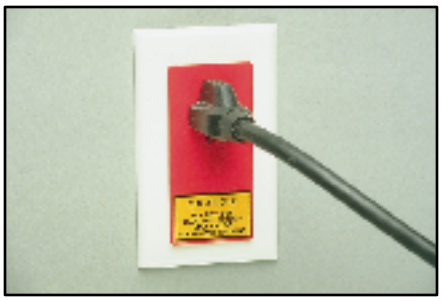
Part Number	Description	Inside Dimension In. (mm)	Std. Pkg.*
PSL-CL110	Lockout for 120 Volt AC Cord	2.00 x 2.00 x 3.50 (51 x 51 x 89)	1
PSL-CL480	Lockout for 240-480 Volt AC Cord	3.25 x 3.25 x 3.50 (83 x 83 x 89)	1



Insert plug and snap bayonet lock together.

Attach padlock and tag.

Receptacle Blockout



Used to prevent use of an open electrical receptacle

- Prevent overloading the circuit, which may cause damage to equipment plugged into the other receptacle
- Prevent use of the open receptacle for devices which may induce electrical interference in computer equipment, causing data transmission problems or damage of computer controlled equipment

Part Number	Description	Std. Pkg.*
PSL-ERB	Blockout for open electrical receptacles	1

Place PSL-ERB blockout device over outlet so that the hole pattern in the blockout lines up with the 3 holes in the receptacle to be used.

Insert plug into the receptacle. The blockout is now held firmly in place by the plug and the second receptacle is blocked out.

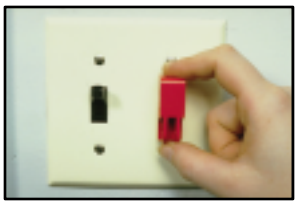
Toggle Switch Lockout

- Compact, secure design fits most toggle switches and some small circuit breakers
- Easily attached without removal of face plate or screws
- Quick installation with standard screwdriver

Part Number	Description	Accommodates Switches with Dimensions			Std. Pkg.*
		Height	Width	Thickness	
PSL-WS	Toggle Switch Lockout	0.45" - 0.78" (12 - 20 mm)	0.25" - 0.38" (6 - 10 mm)	0.25" - 0.40" (6 - 10 mm)	1

For locking out electrical supply controlled by ordinary toggle switches

Lock out toggle switches without removing faceplates screws



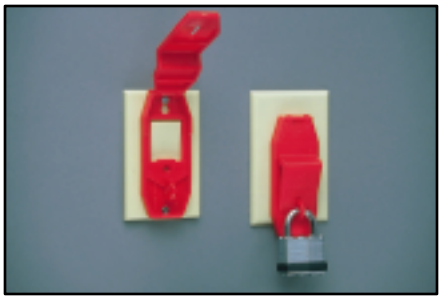
Turn switch to desired position. Place lockout over switch.

Tighten set screw securely with a standard screwdriver.

Attach padlock and tag. Test to insure secure lockout.

Lock out mini circuit breakers

Toggle / Rocker Switch Lockout



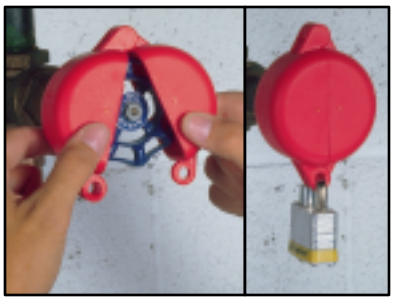
- Versatile design allows lockout of both toggle and rocker switches
- Install device using faceplate screws

Part Number	Description	Std. Pkg.*
PSL-WS1A	Wall Switch Lockout for standard toggle or rocker switches	1

For locking out electrical supply controlled by toggle or rocker switches

*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Gate Valve Lockouts



Prevents valve handle from being turned. Slip lockout over valve handle and attach padlock.

- Four colors in five sizes to fit valve handles up to 13" (330 mm)
- Fast and easy to apply
- Locks must have a 0.3" (8 mm) or smaller shackle diameter with a 1.0" (25 mm) minimum shackle clearance

Part Number				Valve Handle Size In. (mm)	Std. Pkg.*
RED	BLUE	GREEN	YELLOW		
PSL-V2	PSL-V2BLU	PSL-V2GRN	PSL-V2YEL	1.0 - 2.5 (25 - 64)	1
PSL-V4	PSL-V4BLU	PSL-V4GRN	PSL-V4YEL	2.5 - 5.0 (64 - 127)	1
PSL-V6	PSL-V6BLU	PSL-V6GRN	PSL-V6YEL	5.0 - 6.5 (127 - 165)	1
PSL-V9	PSL-V9BLU	PSL-V9GRN	PSL-V9YEL	6.5 - 10.0 (165 - 254)	1
PSL-V13	PSL-V13BLU	PSL-V13GRN	PSL-V13YEL	10.0 - 13.0 (254 - 330)	1

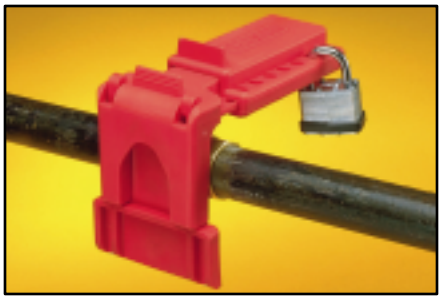
PSL-V2BLU

PSL-V4YEL

PSL-V6GRN

PSL-V9

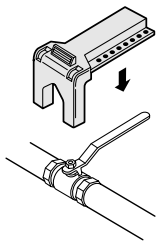
Ball Valve Lockouts



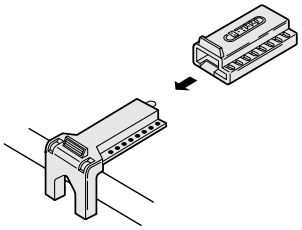
Prevents valve handle from being turned

- Two sizes for ball valves up to 3" (76 mm)
- PSL-BV1 (only) may be attached with valve in open or closed position
- Locks must have a 0.3" (8 mm) or smaller shackle diameter with a 1.0" (25 mm) minimum shackle clearance

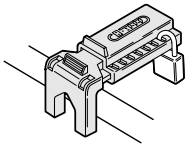
Part Number	Valve Size In. (mm)	Std. Pkg.*
PSL-BV1	0.25 - 1.00 (13 - 25)	1
PSL-BV2	1.25 - 3.00 (32 - 76)	1



Cover valve handle with cover.



Slide multiple lock piece over cover.



Attach padlock(s).

Electrician's Lockout Kit

For the individual electrician to lockout a variety of electrical sources

Part Number	Contents	Std. Pkg.*
PSL-PK-EA	(1) Screwdriver (1) Lockout Regulations Booklet (1) PSL-PK Pouch (1) PSL-5RED-LS Long Shackle Padlock w/Red Label (1) PSL-MLD Multiple Lockout Device (1) PSL-WS Wall Switch Lockout (1) PSL-CB Circuit Breaker Lockout (1) PSL-P Plug Lockout (5 Tags) PVT-30 Electricians Blocking Tags	1

Power and Panel Distribution Lockout Kit

NEW

For locking out circuit breakers and disconnect switches in a variety of pole sizes, amperages and voltages

Part Number	Contents	Std. Pkg.*
PSL-KT-PWR	(1) Screwdriver (1) Lockout Regulations Booklet (1) PSL-STATION Metal Wall Mount Cabinet (2) PSL-5RED-LS Long Shackle Padlocks w/Red Labels (1) PSL-MLD Multiple Lockout Device (2) PSL-CB Circuit Breaker Lockouts (2) PSL-CBL Molded Case / Enclosed Systems Circuit Breaker Lockouts (1) PSL-P Plug Lockout (25 Tags) PVT-23-Q "DO NOT OPERATE ELECTRICIANS AT WORK" Tags	1

Metal Wall Mount Cabinet

Part Number	Description	Dimensions In. (mm)	Std. Pkg.*
PSL-STATION	Can be purchased separately and filled with your own variety of lockout devices and tags (Non-lockable)	14.75 x 10.25 x 4.63 (375 x 260 x 117) with two 0.38 (9) mounting holes	1

Mount close to power and distribution panels

Station is equipped with a stop hinge door so lockout devices won't fall out

Durable steel case is also portable

*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Contractor Lockout Kit

For the Electrical Contractor to identify personnel working on a project required to be locked out and provide lockout capability for many projects

Part Number	Contents	Std. Pkg.*
PSL-KT-CONA	(1) Screwdriver (1) Lockout Regulations Booklet (1) PSL-KT Carrying Case (3) PSL-5RED-LS Long Shackle Padlocks w/Red Labels (3) PSL-5RED Standard Shackle Padlocks w/Red Labels (1) PSL-1A Lockout Hasp - 1.0" (25 mm) Jaw Diameter (1) PSL-MLD Multiple Lockout Device (3) PSL-WS Wall Switch Lockouts (3 PSL-CB Circuit Breaker Lockouts (3) PSL-P Plug Lockouts (15 Tags) PVT-98 "EQUIPMENT LOCKED OUT BY..." Safety Tags	1

MRO Lockout Kit

For Maintenance Departments who must lockout a variety of electrical and mechanical energy sources for departmental work

Part Number	Contents	Std. Pkg.*
PSL-KT-MROA	(1) Screwdriver (1) Lockout Regulations Booklet (1) PSL-BX Carrying Case (3) PSL-5RED-LS Long Shackle Padlocks w/Red Labels (1) PSL-MLD Multiple Lockout Device (2) PSL-WS Wall Switch Lockouts (2) PSL-CB Circuit Breaker Lockouts (2) PSL-P Plug Lockouts (1) PSL-V4RED Gate Valve Lockout - 5.0" (127 mm) (1) PSL-V2RED Gate Valve Lockout - 2.5" (64 mm) (1) PSL-BV2 Ball Valve Lockout - 3.0" (76 mm) (1) PSL-CL110 110V Plug Lockout (10 Tags) PVT-44 "DO NOT OPERATE" Maintenance Tags	1

Lockout Stations

- Convenient way to store departmental or personal lockouts
- Durable rigid base with plastic hanging hooks for locks

Part Number	Description	Size In. (mm)	Std. Pkg.*
PSL-20SWC	Departmental Lockout Station. Components include: 20 PSL-3RED padlocks (keyed differently) 25 PVT-98 safety tags 25 PVT-41 safety tags 6 PSL-1.5 lockout hasps	24.0 x 19.0 (610 x 483)	1
PSL-20S	Station Only		
PSL-10SWC	Ten Lock Station Components include: 10 PSL-3RED padlocks (keyed differently) 15 PVT-98 safety tags 10 PVT-41 safety tags 3 PSL-1.5 lockout hasps	12.0 x 19.0 (305 x 483)	1
PSL-10S	Station Only		
PSL-4SWC	Personal Lockout Station Components include: 4 PSL-3RED padlocks (keyed differently) 15 PVT-98 safety tags 3 PSL-1.5 lockout hasps	12.0 x 9.5 (305 x 241)	1
PSL-4S	Station Only		

*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Safety Lockout Padlocks

NEW

Each lock keyed differently and supplied with 1 key and 2 padlock labels

NOTE: These locks can be master keyed or keyed alike. These locks can also be custom engraved. See Custom Lock Options on page 35 or contact factory for details.

- Rugged, lightweight Xenoy† plastic body with non-hardened steel shackle
- Short body: 1.50" x 1.75" (38 x 44 mm)
- Long body: 1.50" x 3.00" (38 x 76 mm), allows for identification from greater distances
- Shackle: 0.25" (6 mm) diameter x 1.50" (38 mm) length

Part Number		Description	Std. Pkg.*
Short Body	Long Body		
PSL-4BLU	**PSL-4BLU-LB**	Blue Lock	6
PSL-4BLK	**PSL-4BLK-LB**	Black Lock	6
PSL-4GRN	**PSL-4GRN-LB**	Green Lock	6
PSL-4ORG	**PSL-4ORG-LB**	Orange Lock	6
PSL-4PRP	**PSL-4PRP-LB**	Purple Lock	6
PSL-4RED	**PSL-4RED-LB**	Red Lock	6
PSL-4TEL	**PSL-4TEL-LB**	Teal Lock	6
PSL-4YEL	**PSL-4YEL-LB**	Yellow Lock	6

†Xenoy is a registered trademark of General Electric

High Security Padlocks with Color Coded Lock Body

Each lock keyed differently and supplied with 2 keys

NOTE: These locks can be master keyed or keyed alike. These locks can also be custom engraved. See Custom Lock Options on page 35 or contact factory for details.

- Anodized aluminum padlock with hardened steel shackles and cover-plates
- Special shaped pins to counter picking
- 30% lighter than laminated steel with better corrosion resistance
- 0.25" (6 mm) diameter shackle

Part Number		Description	Std. Pkg.*
1" (25 mm) Shackle	3" (76 mm) Shackle		
PSL-11BLU	**PSL-11BLU-LS**	Blue Lock	6
PSL-11BLK	**PSL-11BLK-LS**	Black Lock	6
PSL-11BRN	**PSL-11BRN-LS**	Brown Lock	6
PSL-11GLD	**PSL-11GLD-LS**	Gold Lock	6
PSL-11GRN	**PSL-11GRN-LS**	Green Lock	6
PSL-11ORNG	**PSL-11ORNG-LS**	Orange Lock	6
PSL-11PRPL	**PSL-11PRPL-LS**	Purple Lock	6
PSL-11RED	**PSL-11RED-LS**	Red Lock	6

Laminated Steel Padlocks with Color Coded Bumper

Each lock keyed differently and supplied with 2 keys

NOTE: These locks can be master keyed or keyed alike. See Custom Lock Options on page 35 or contact factory for details. These locks not suitable for custom engraving.

- Laminated steel, pin tumbler lock
- Double-locking, case-hardened steel shackle
- Bumper color identifies the department or an individual depending on the operation size
- 0.28" (7 mm) diameter shackle

Part Number		Description	Std. Pkg.*
¾" (19 mm) Shackle	2" (51 mm) Shackle		
PSL-3BLUE	**PSL-3BLUE-LS**	Lock with Blue Bumper	6
PSL-3BLACK	**PSL-3BLACK-LS**	Lock with Black Bumper	6
PSL-3GREEN	**PSL-3GREEN-LS**	Lock with Green Bumper	6
PSL-3RED	**PSL-3RED-LS**	Lock with Red Bumper	6
PSL-3WHITE	**PSL-3WHITE-LS**	Lock with White Bumper	6
PSL-3YELLOW	**PSL-3YELLOW-LS**	Lock with Yellow Bumper	6

*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Keyed Alike Laminated Steel Padlocks

- Ready to ship sets of PSL-3 series locks keyed alike. To order keyed alike locks for other styles or master keyed locks, see the Custom Lock Options at the bottom of this page.

Part Number						Locks/ Set	Std. Pkg.*
Blue Bumper	Black Bumper	Green Bumper	Red Bumper	White Bumper	Yellow Bumper		
PSL-3BLU-KA2	**PSL-3BLK-KA2**	**PSL-3GRN-KA2**	**PSL-3RED-KA2**	**PSL-3WHT-KA2**	**PSL-3YEL-KA2**	2	1
PSL-3BLU-KA3	**PSL-3BLK-KA3**	**PSL-3GRN-KA3**	**PSL-3RED-KA3**	**PSL-3WHT-KA3**	**PSL-3YEL-KA3**	3	1
PSL-3BLU-KA4	**PSL-3BLK-KA4**	**PSL-3GRN-KA4**	**PSL-3RED-KA4**	**PSL-3WHT-KA4**	**PSL-3YEL-KA4**	4	1
PSL-3BLU-KA5	**PSL-3BLK-KA5**	**PSL-3GRN-KA5**	**PSL-3RED-KA5**	**PSL-3WHT-KA5**	**PSL-3YEL-KA5**	5	1
PSL-3BLU-KA6	**PSL-3BLK-KA6**	**PSL-3GRN-KA6**	**PSL-3RED-KA6**	**PSL-3WHT-KA6**	**PSL-3YEL-KA6**	6	1
PSL-3BLU-KA7	**PSL-3BLK-KA7**	**PSL-3GRN-KA7**	**PSL-3RED-KA7**	**PSL-3WHT-KA7**	**PSL-3YEL-KA7**	7	1
PSL-3BLU-KA8	**PSL-3BLK-KA8**	**PSL-3GRN-KA8**	**PSL-3RED-KA8**	**PSL-3WHT-KA8**	**PSL-3YEL-KA8**	8	1
PSL-3BLU-KA9	**PSL-3BLK-KA9**	**PSL-3GRN-KA9**	**PSL-3RED-KA9**	**PSL-3WHT-KA9**	**PSL-3YEL-KA9**	9	1
PSL-3BLU-KA10	**PSL-3BLK-KA10**	**PSL-3GRN-KA10**	**PSL-3RED-KA10**	**PSL-3WHT-KA10**	**PSL-3YEL-KA10**	10	1
PSL-3BLU-KA11	**PSL-3BLK-KA11**	**PSL-3GRN-KA11**	**PSL-3RED-KA11**	**PSL-3WHT-KA11**	**PSL-3YEL-KA11**	11	1
PSL-3BLU-KA12	**PSL-3BLK-KA12**	**PSL-3GRN-KA12**	**PSL-3RED-KA12**	**PSL-3WHT-KA12**	**PSL-3YEL-KA12**	12	1

*Order number of sets required in multiples of Std. Pkg.

Value Line Padlocks with Color Coded Labels

Each lock keyed differently and supplied with 2 keys and colored padlock label

NOTE: These locks not suitable for custom engraving and cannot be master keyed or keyed alike.

- Economical padlock has laminated steel body with case hardened, corrosion resistant steel shackle and double steel ball locking system
- All locks have black bumpers and are supplied with color coded self-laminating padlock labels. Labels are designed with blank write-on area for name and department designation and can be marked with pencil or Panduit Marking Pens found on page 21. Labels sold separately, found on page 39.
- 0.25" (6 mm) shackle diameter

Part Number		Description	Std. Pkg.*
¾" (19 mm) Shackle	2" (51 mm) Shackle		
PSL-5BLU	—	Lock with Blue Padlock Label	6
PSL-5BLK	—	Lock with Black Padlock Label	6
PSL-5GRN	—	Lock with Green Padlock Label	6
PSL-5RED	**PSL-5RED-LS**	Lock with Red Padlock Label	6
PSL-5WHT	—	Lock with White Padlock Label	6
PSL-5YEL	—	Lock with Yellow Padlock Label	6

*Order number required in multiples of Std. Pkg.

Custom Lock Options

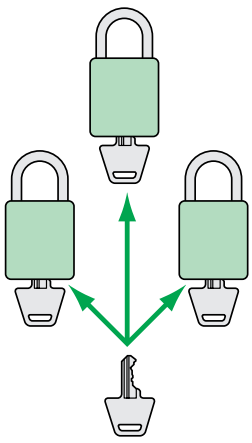
Padlocks are available with the following common lock options:

- Master keying
- Keyed-alike locks
- Variety of lock sizes and shackle lengths
- Available in brass for harsh environments
- Engraving available on PSL-4 Safety Lockout and PSL-11 High Security Padlocks

Contact your Local Distributor for details.

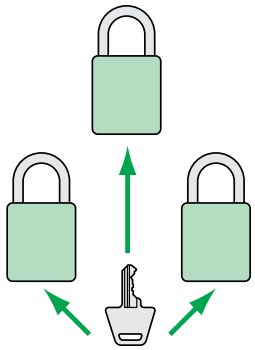
Note: Excludes PSL-5 Value Line Padlocks
Custom locks are non-returnable

INDIVIDUALLY KEYED



MASTER KEY

KEYED-ALIKE SYSTEMS



Panduit Corp. Generic Lock Order Form

One Form per Generic Lock Option

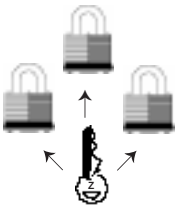
Fax orders to Panduit Corp. - Identification Products Division, Attn. Customer Service (770-889-9264).
Generic Locks are Non-Returnable

Date: _____
From: _____
Telephone #: _____
End-User: _____
_____
_____
Telephone #: _____
Account #: _____

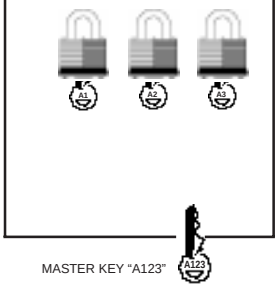
Panduit Sales Rep: _____
Distributor: _____
_____
_____
_____
Distributor Contact: _____
Telephone #/Fax #: _____
Account #: _____

Generic Padlock Options

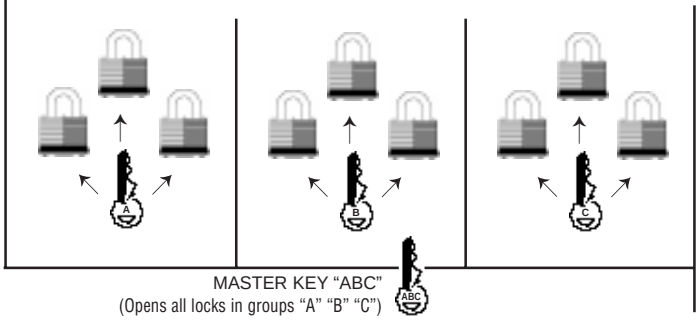
KEYED ALIKE SYSTEM



INDIVIDUALLY KEYED AND MASTER KEYED



KEYED ALIKE AND MASTER KEYED



Generic Lock Part Number	Description	Qty Min. 6/Lock Series	Notes (Colors, Key Numbers, Set Description)

PSL-3 Laminated Steel Padlocks: **(Select from red, yellow, blue, black, green or white bumper colors)**

GPSL-3KA	Keyed Alike Padlock - 3/4" Shackle		
GPSL-3LSKA	Keyed Alike Padlock - 2" Shackle		
GPSL-3MK	Master Keyed Padlock - 3/4" Shackle		
GPSL-3LSMK	Master Keyed Padlock - 2" Shackle		
GPSL-3MKEY	Master Key for a PSL-3 Master Keyed Padlock		
GPSL-3KAMK	Keyed Alike and Master Keyed Padlock - 3/4" Shackle		
GPSL-3LSKAMK	Keyed Alike and Master Keyed Padlock - 2" Shackle		

PSL-4 Safety Lockout Padlocks: **(Select from red, yellow, blue, black, green, purple, orange or teal body colors)**

GPSL-4KA	Keyed Alike Padlock		
GPSL-4LBKA	Keyed Alike Padlock - Long Body		
GPSL-4MK	Master Keyed Padlock		
GPSL-4LBMK	Master Keyed Padlock - Long Body		
GPSL-4MKEY	Master Key for a PSL-4 Master Keyed Padlock		
GPSL-4KAMK	Keyed Alike and Master Keyed Padlock		
GPSL-4LBKAMK	Keyed Alike and Master Keyed Padlock - Long Body		

*Both regular and long body PSL-4 padlocks feature a 1 1/2" shackle.

PSL-11 Anodized Aluminum Padlocks: **(Select from red, gold, blue, black, green, purple, orange or brown body colors)**

GPSL-11KA	Keyed Alike Padlock - 1" Shackle		
GPSL-11LSKA	Keyed Alike Padlock - 3" Shackle		
GPSL-11MK	Master Keyed Padlock - 1" Shackle		
GPSL-11LSMK	Master Keyed Padlock - 3" Shackle		
GPSL-11MKEY	Master Key for a PSL-11 Master Keyed Padlock		
GPSL-11KAMK	Keyed Alike and Master Keyed Padlock - 1" Shackle		
GPSL-11LSKAMK	Keyed Alike and Master Keyed Padlock - 3" Shackle		

For Pricing and Lead Time Information, Contact Customer Service at 888-506-5400, ext. 1777.

Custom Engraved Lock / Tag Order Form

PANDUIT®

Photocopy this form to obtain a quote.

All Panduit Metal Products (ties, marker plates, tags) and PSL-11 High Security Anodized Aluminum Locks* can be custom marked by one of two computer controlled systems:

• Embosser **• Laser Marking System**

There is a minimum release of 100 pieces for all custom marked ties, plates, and tags (minimum release quantity of 20 for custom marked locks).

Use the form below to obtain a quotation for custom marked stainless steel, brass, and aluminum marker plates and tags. Contact factory for custom marked anodized aluminum lock information. Upon receipt of this request for quote, PANDUIT will supply a quotation, product drawing or sample.

Please provide the following:

Company:_____

Address:_____

City_____ State_____ Zip _____

Contact Person:_____

Phone:_____

Fax:_____

(1)	(2)		(3)	(4)		(5)
Panduit Part Number	Marking Style E	Marking Style L	Quantity	Bar Coding Y	Bar Coding N	

Instructions:

1. List Panduit part number of the product to be marked.
2. Indicate the marking style by listing the character size under E, or L.

Marking Style Character Sizes

E = Embossing 1/8", 3/16"

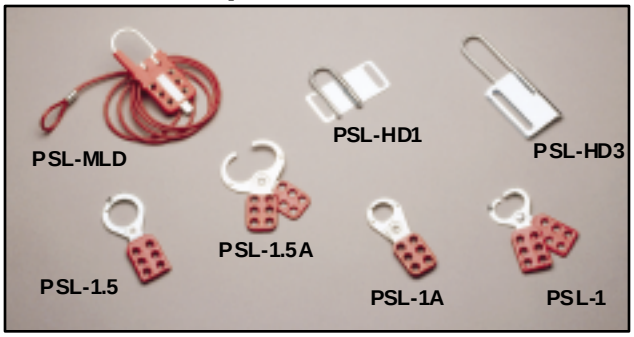
L = Laser 1/8", 3/16", 1/4", 5/16", 1/2"

3. Indicate the quantity required per legend.
4. Indicate if bar coding is needed. (Available on color tags only with Laser Marking.)
5. Indicate legend. Use multiple lines if you need more than one line of text per part number. Sequential numbering is available... simply list the starting and ending numbers, inclusive. Actual number of characters per line will vary depending on the metal product chosen and the character size chosen.

When completed, fax to:
PANDUIT CORPORATION
Custom Marking Coordinator
(815) 485-5839

*PSL-11 High Security Anodized Aluminum Locks can be marked on laser systems only.

Lockout Hasps



More than one worker can lockout the same energy source for added safety. Heavy duty hasps have tamper-proof design to eliminate vandalism.

Part Number	Description	Max. No. Locks	Std. Pkg.*
PSL-MLD	Multiple Lockout Device; includes lockout hasp and cable	6	1
PSL-MLDH-X	PSL-MLD Lockout Hasps without cable	6	10
PSL-1	Hasp with 1.0" (25 mm) Diameter Jaw and Overlapping Tabs	6	12
PSL-1.5	Hasp with 1.5" (38 mm) Diameter Jaw and Overlapping Tabs	6	12
PSL-1A	Hasp with 1.0" (25 mm) Diameter Jaw	6	12
PSL-1.5A	Hasp with 1.5" (38 mm) Diameter Jaw	6	12
PSL-HD1	Heavy Duty Hasp with 1.0" x 1.0" (25 x 25 mm) Clearance	5	12
PSL-HD3	Heavy Duty Hasp with 1.0" x 3.0" (25 x 76 mm) Clearance	7	12

Metal I.D. Tags and Collars

PSL-TG1

PSL-SC

MTB1D-Q

MT172W38-C

Part Number	Description	Std. Pkg.*
PSL-TG1	Brass identification tag	12
PSL-SC	Shackle Collar for attaching tags to padlocks	12
MTB1D-Q	Brass identification tag 1.00" (25 mm) diameter	25
MT172W38-C	Stainless steel tag 1.72" x 0.38" (44 x 9 mm)	100

Fixturing for all brass and stainless steel tags is available for use with the Manual Indenter Marking Press. Consult factory.

Padlock Eyes

- These padlock eyes can help bring you into compliance with OSHA standards, which require that equipment be modified to accept locks and lockout devices
- Surface mounted eyes are made of 0.13" (3 mm) hard wrought steel
- Tamper resistant inside mounting eyes - 2.50" (64 mm) wide, accept shackle diameters up to 0.63" (16 mm)

Part Number	Description	Std. Pkg.*
PSL-PE1	Padlock eyes, angled (Metal mounting screws included)	1
PSL-PE2	Padlock eyes, straight (Wood mounting screws included)	1

Chain Attachment

- Optional 9.0" (229 mm) chain for permanently attaching lockouts at pre-designed locations.

Part Number	Description	Std. Pkg.*
PSL-PC	Heavy duty zinc plated steel chain with chain holder attached	1

*Order number required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Group Lock Box

- Used when there are multiple employees and energy sources involved in a lockout procedure. Once all energy sources have been locked out, all keys are placed in the lock box. The leader places a lock on lock box until job is finished and all group members are cleared from work area.

Part Number	Description	Dimensions In. (mm)	Std. Pkg.*
PSL-GLB	Lock box for group lockouts	10.00 x 6.00 x 4.00 (254 x 152 x 102)	1

*Order number required in multiples of Std. Pkg.

Self-Laminating Padlock Labels

- Used to identify employees' locks. Employees sign the label, attach it to the padlock, and overwrap with the clear vinyl to protect the legend.
- Available in six colors for departmental coding
- One piece design is easy to use

Part Number	Description	Size In. (mm)	Std. Pkg.*
PSL-PL1BLU	Blue Padlock Label	10.00 x 0.75 (254 x 19)	25
PSL-PL1BLK	Black Padlock Label	10.00 x 0.75 (254 x 19)	25
PSL-PL1GRN	Green Padlock Label	10.00 x 0.75 (254 x 19)	25
PSL-PL1RED	Red Padlock Label	10.00 x 0.75 (254 x 19)	25
PSL-PL1WHT	White Padlock Label	10.00 x 0.75 (254 x 19)	25
PSL-PL1YEL	Yellow Padlock Label	10.00 x 0.75 (254 x 19)	25

*Order number required in multiples of Std. Pkg.

Write-on Safety Tags

All tags have a write-on surface that accepts pen, pencil or marker pens. Can be permanently marked with Panduit Marker Pens shown on page 21.

Available in 2 styles:

PVT Lockout Tags

- Meet OSHA Standard 1910.147 requirements for tagout applications
- Semi-rigid plastic tags with a 0.38" (9 mm) brass grommet for greater strength and increased durability
- Tags can be attached with a lockout device or with a Panduit PLT2S nylon tie (50 lb. loop tensile strength) supplied with each tag
- PVT-*-Q Package consists of 25 tags and 25 PLT2S cable ties
- PVT-* Package consists of 5 tags and 5 PLT2S cable ties

PCT Lockout Tags

NEW

- Economical card stock tags for indoor or temporary use
- Package consists of 25 tags and 25 PLT1.5I cable ties (do not meet 50 lb. loop tensile strength requirement)

Part Number	Material	Size In. (mm)	Tags & Ties/ Pkg.	Std. Pkg.*
PVT-*	GMV5 Semi-Rigid Plastic	3.00 x 5.75 (76 x 146)	5	1 Pkg.
PVT-*-Q	GMV5 Semi-Rigid Plastic	3.00 x 5.75 (76 x 146)	25	1 Pkg.
PCT-*-Q	Card Stock	3.00 x 5.75 (76 x 146)	25	1 Pkg.

*Order number of packages required in multiples of Std. Pkg.

Write-on Safety Tags (cont.)

Front Side of Tags (Back side is indicated by Style A, B or C under part number and shown in box below).

PVT-97
PVT-97-Q
PCT-97-Q
Style B

PVT-40-Q
PCT-40-Q
Style A

PVT-227-Q
PCT-227-Q
Style A

PVT-146-Q
PCT-146-Q
Style A

PVT-147-Q
PCT-147-Q
Style A

PVT-148-Q
PCT-148-Q
Style A

PVT-149-Q
PCT-149-Q
Style A

PVT-150-Q
PCT-150-Q
Style A

PVT-41
PVT-152-Q
PCT-152-Q
Style A

PVT-153-Q
PCT-153-Q
Style A

PVT-15
PVT-15-Q
PCT-15-Q
Style C

PVT-42-Q
PCT-42-Q
Style A

PVT-43
PVT-43-Q
PCT-43-Q
Style A

PVT-23
PVT-23-Q
PCT-23-Q
Style C

PVT-99
PVT-99-Q
PCT-99-Q
Style B

PVT-44
PVT-44-Q
PCT-44-Q
Style A

Back Side of Tags

Style A

Style B

Style C

Order number or packages required in multiples of Std. Pkg. See page 39 for quantity per package.
Most commonly used parts appear in **BOLD**.

Write-on Safety Tags (cont.)

Front Side of Tags (Back side is indicated by Style A, B or C under part number and shown in box below).

PVT-45-Q
PCT-45-Q
Style A

PVT-155-Q
PCT-155-Q
Style A

PVT-157-Q
PCT-157-Q
Style A

PVT-48-Q
Style A

PVT-156
PVT-156-Q
PCT-156-Q
Style A

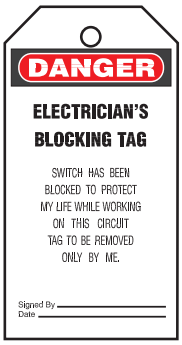
PVT-49-Q
Style A

PVT-51-Q
PCT-51-Q
Style A

PVT-52-Q
PCT-52-Q
Style A

PVT-158-Q
PCT-158-Q
Style A

PVT-2-Q
PCT-2-Q
Style C



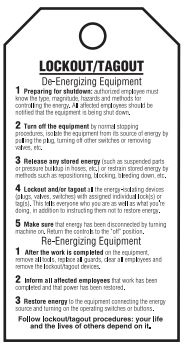
Front

Back

PVT-30
PVT-30-Q
PCT-30-Q

PVT-96
PVT-96-Q
PCT-96-Q
Style B

Front



Back

PVT-160-Q
PCT-160-Q

PVT-57-Q
PCT-57-Q
Style A

Back Side of Tags

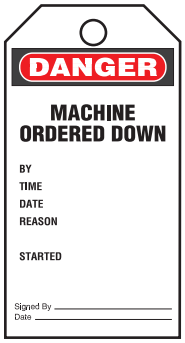
Style A

Style B

Style C

Write-on Safety Tags (cont.)

Front Side of Tags (Back side is indicated by Style A, B or C under part number and shown in box below).



PVT-27-Q
PCT-27-Q
Style C

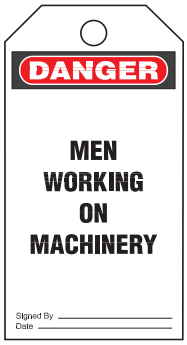
PVT-31-Q
Style C

PVT-60-Q
PCT-60-Q
Style A

PVT-7-Q
Style C

PVT-26-Q
PCT-26-Q
Style C

PVT-59-Q
PCT-59-Q
Style A



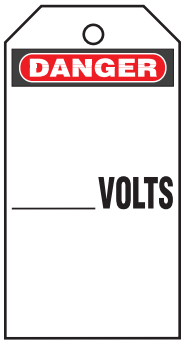
PVT-9-Q
PCT-9-Q
Style C

Front

Back

PVT-98
PVT-98-Q
PCT-98-Q

PVT-62-Q
PCT-62-Q
Style A



PVT-238-Q
PCT-238-Q
Style A

Back Side of Tags

Style A

Style B

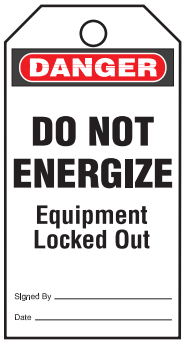
Style C

Bilingual Write-on Safety Tags

Front

Back

PVT-97S-Q



Front

Back

PVT-165-Q
PCT-165-Q

Order number or packages required in multiples of Std. Pkg. See page 39 for quantity per package.
Most commonly used parts appear in **BOLD**.

Bilingual and Spanish Write-on Safety Tags (cont.)

Front **Back** **Front** **Back** **Front** **Back**

PVT-161-Q
PCT-161-Q

PVT-162-Q
PCT-162-Q

PVT-163-Q
PCT-163-Q

ISO Symbol Safety Tags

NEW

Part Number	Language	Tags & Ties/Pkg	Std. Pkg.*
PVT-* **	English	5	1 Pkg.
PVT-*-NL**	Dutch		
PVT-*-F**	French		
PVT-*-D**	German		
PVT-*-I**	Italian		
PVT-*-N**	Norwegian		
PVT-*-P**	Portuguese		
PVT-*-E**	Spanish		

*Order number of packages required in multiples of Std. Pkg.

- The International Organization for Standardization (ISO) has established a system to communicate safety information without the use of words
- Package consists of 5 tags and 5 PLT2S (50lb. loop tensile strength) nylon cable ties
- GMV5 Semi-rigid plastic tags have write-on surface and are 3.00" x 5.75" (76 x 146 mm)
- Available in 8 languages

Front **Back** **Front** **Back** **Front** **Back**

PVT-110
(Do Not Throw Switch)

PVT-111
(Prohibition)

PVT-112
(Warning of Dangerous Electrical Voltage)

Self Laminating Photo Tags

- GMV4 Semi-rigid plastic with polyester laminate to protect photo and other written data
- Package includes one PLT2S (50lb. loop tensile strength) nylon cable tie for each tag
- Tags have write-on surface and are 3.00" x 5.75" (76 x 146 mm)
- Available in 8 languages

Part Number	Language	Tags Ties/ Pkg.	Std. Pkg.*
PST-3	English	5	1 Pkg.
PST-3-Q	English	25	
PST-10	English	5	
PST-10-NL	Dutch	5	
PST-10-F	French	5	
PST-10-D	German	5	
PST-10-I	Italian	5	
PST-10-N	Norwegian	5	
PST-10-P	Portuguese	5	
PST-10-E	Spanish	5	

*Order number of packages required in multiples of Std. Pkg.

Front Back Front Back

PST-3
PST-3-Q

PST-10

Replacement Nylon Ties

- In addition to the PLT1.5I and PLT2S nylon ties supplied with our lockout tags, Panduit offers other ties in different sizes, colors and materials which can be used with tags. Contact factory for details.

Part Number	Material	Approximate Length In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Std. Pkg.*
PLT1.5I-C	Natural Nylon 6.6 (Indoor)	5.6 (142)	40 (178)	100
PLT2S-C†		7.4 (188)	50 (222)	100
PLT1.5I-C0	Weather Resistant Nylon 6.6	5.6 (142)	40 (178)	100
PLT2S-C0†		7.4 (188)	50 (222)	100

*Order number of ties required in multiples of Std. Pkg.
†PLT2S ties meet OSHA's 50 lb. tensile strength tag attachment requirement

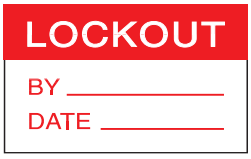
Label Dispensers

- Self-adhesive labels with write-on surface in handy dispenser

Part Number	Material	Size In. (mm)	Labels/ Dispenser	Std. Pkg.*
PLD-*	GMM Subsurface Printed Polyester	1.50 x 1.00 (38 x 25)	200	1 disp.

*Order number of dispensers required in multiples of Std. Pkg.

Panduit offers other standard label dispensers to meet many labeling requirements. Contact factory for details.



PLD-68

PLD-72

Circuit Breaker Directory Sign

NEW

- Eliminate the guesswork when identifying power sources — a must for lockout/tagout compliance
- Adhesive paper sign designed to provide clear identification of circuit breaker connections, list up to 40 circuits

Part Number	Description	Size In. (mm)	Std. Pkg.*
PES-S1	Circuit Breaker Directory Sign	13.00 x 5.50 (330 x 140)	1 Pkg. (5 signs)

*Order number of packages required in multiples of Std. Pkg.

Standout (3D) Lockout Sign

NEW

- Rigid acrylic standout sign will identify the location of locks, lockout devices and tags from any vantage point on the plant floor
- Stands out 4.00" (102 mm) from the wall
- Pre-drilled holes as well as self-adhesive mounting pads and mounting screws and washers are provided for quick and easy installation

Part Number	Description	Size In. (mm)	Std. Pkg.*
PAS-LOTO	Standout (3D) Lockout Sign	6.00 x 8.75 (152 x 222)	1

*Order number of signs required in multiples of Std. Pkg.

Lockout Signs

GMV1 Indoor Adhesive Vinyl (Type PVS)

- Economical, general purpose signs for use in most environments
- Very good adhesive properties when applied to a clean surface

GMM Indoor/Outdoor Sub-Surface Printed Adhesive Polyester (Type PPS)

- High quality signs for use indoors and outdoors
- Excellent resistance to UV light, chemical atmosphere, and abrasion
- Excellent life and adhesion properties
- Printed graphics are protected by clear polyester laminate

GMPE1 Indoor/Outdoor Rigid Polyethylene (Type PRS)

- Rugged signs for indoors and outdoors
- Abrasion resistant
- Used where adhesives will not work

Part Number Prefix			Width x Height In. (mm)	Signs/ Card	Std. Pkg.*
Adhesive Vinyl	Adhesive Polyester	Rigid Polyethylene			
PVS0204	—	—	2.25 x 4.50 (57 x 114)	2	5 Cards
PVS0305	**PPS0305**	—	3.50 x 5.00 (89 x 127)	2	5 Cards
PVS0503	—	—	5.00 x 3.50 (127 x 89)	—	5 Signs
PVS0505	**PPS0505**	—	5.00 x 5.00 (127 x 127)	—	5 Signs
PVS0507	—	—	5.00 x 7.00 (127 x 178)	—	5 Signs
PVS0705	—	—	7.00 x 5.00 (178 x 127)	—	5 Signs
PVS0710	**PPS0710**	**PRS0710**	7.00 x 10.00 (178 x 254)	—	1 Sign
PVS1007	—	**PRS1007**	10.00 x 7.00 (254 x 178)	—	1 Sign
—	—	**PRS1014**	10.00 x 14.00 (254 x 356)	—	1 Sign
—	—	**PRS2014**	20.00 x 14.00 (508 x 356)	—	1 Sign

*Order number required in multiples of Std. Pkg.

Lockout / Tagout Safety Signs

See page 45 for information on part number sizes and materials.

PVS0204C531

PVS0710C180
PRS0710C180

PRS0710D83

PVS0204C523

PVS0204C176

PVS0204C175
PVS0507C175

PVS0204C171
PVS0710C171

PVS0204C177

PVS0204W172
PVS0710W172

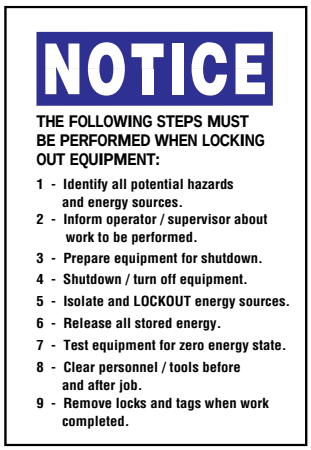
PVS0204C179

PVS0204C529

PVS0204C501

PVS0204C526

PVS0710C173
PRS0710C173



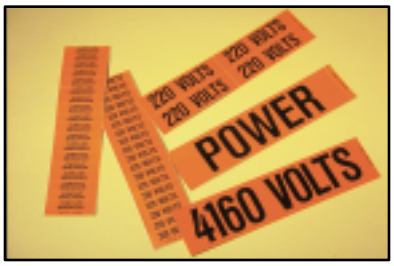
PVS0503N458
PVS0705N458
PVS1007N458
PRS1007N458

PRS2014N182

PVS0204C524

PVS0204C525

Voltage and Fiber Optic Markers - Two styles:



Adhesive Marker Cards

- Durable GMV1 Indoor Vinyl Material
- Available in 3 sizes

Snap-On Markers (Non-Adhesive)

- Pre-coiled, sub-surface printed markers for indoor use
- Available in 3 sizes
- GMPET Polyester

Style	Type	Pipe / Conduit Outside Diameter In. (mm)	Marker Size In. (mm)	Markers/ Card	Color	Std. Pkg.*
A	Adhesive Marker Cards	3.00 (76) and Over	9.00 x 2.25 (229 x 57)	1	Black on Orange	5 Cards
B		1.25 - 3.00 (32 - 76)	4.50 x 1.13 (114 x 29)	4		
C		1.25 (32) and Under	2.25 x 0.50 (57 x 13)	18		
M	Snap-On Markers (Non-Adhesive)	2.25 - 6.00 (57 - 152)	14.00 x 23.00 (356 x 584)	1		1 Marker
R		0.75 - 2.25 (19 - 57)	8.00 x 8.00 (203 x 203)	1		
L		0.50 - 0.75 (13 - 19)	3.00 x 4.00 (76 x 102)	1		

*For Styles A, B, and C, order number of cards required in multiples of Std. Pkg.; for Styles M, R and L, order number of markers required in multiples of Std. Pkg.

Part Number†						Legend
Style A	Style B	Style C	Style M	Style R	Style L	
PCV-VOLTSA	PCV-VOLTSB	PCV-VOLTSC	—	—	—	_____Volts
PCV-110A	PCV-110B	**PCV-110C**	—	—	—	110 Volts
PCV-115A	**PCV-115B**	**PCV-115C**	—	—	—	115 Volts
PCV-120A	**PCV-120B**	**PCV-120C**	PCV-120M	PCV-120R	—	120 Volts
PCV-120/208A	**PCV-120/208B**	**PCV-120/208C**	PCV-120/208M	PCV-120/208R	—	120/208 Volts
PCV-208A	**PCV-208B**	**PCV-208C**	PCV-208M	PCV-208R	—	208 Volts
PCV-220A	**PCV-220B**	**PCV-220C**	—	—	—	220 Volts
PCV-230A	**PCV-230B**	**PCV-230C**	—	—	—	230 Volts
PCV-240A	**PCV-240B**	**PCV-240C**	—	—	—	240 Volts
PCV-240/480A	PCV-240/480B	PCV-240/480C	—	—	—	240/480 Volts
PCV-250A	PCV-250B	PCV-250C	—	—	—	250 Volts
PCV-277A	**PCV-277B**	**PCV-277C**	—	—	—	277 Volts
PCV-277/480A	**PCV-277/480B**	**PCV-277/480C**	—	—	—	277/480 Volts
PCV-380A	**PCV-380B**	PCV-380C	—	—	—	380 Volts
PCV-415A	PCV-415B	PCV-415C	—	—	—	415 Volts
PCV-440A	**PCV-440B**	**PCV-440C**	—	—	—	440 Volts
PCV-460A	**PCV-460B**	**PCV-460C**	—	—	—	460 Volts
PCV-480A	**PCV-480B**	PCV-480C	PCV-480M	PCV-480R	—	480 Volts
PCV-550A	PCV-550B	PCV-550C	—	—	—	550 Volts
PCV-600A	PCV-600B	PCV-600C	PCV-600M	PCV-600R	—	600 Volts
PCV-2200A	PCV-2200B	—	—	—	—	2200 Volts
PCV-2300A	PCV-2300B	PCV-2300C	—	—	—	2300 Volts
PCV-2400A	PCV-2400B	PCV-2400C	—	—	—	2400 Volts
PCV-4160A	**PCV-4160B**	PCV-4160C	PCV-4160M	—	—	4160 Volts
PCV-4800A	PCV-4800B	—	—	—	—	4800 Volts
PCV-5000A	PCV-5000B	—	—	—	—	5000 Volts
PCV-6900A	PCV-6900B	—	—	—	—	6900 Volts
PCV-7200A	PCV-7200B	—	—	—	—	7200 Volts
PCV-12000A	PCV-12000B	PCV-12000C	—	—	—	12000 Volts
PCV-12470A	PCV-12470B	PCV-12470C	—	—	—	12470 Volts

†Most legends also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese

More legends shown on the following page.

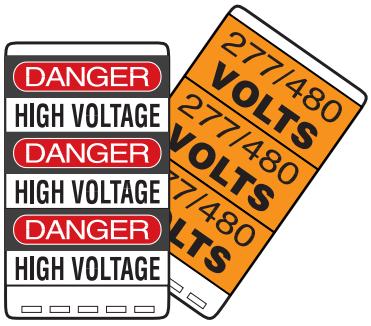
Voltage and Fiber Optic Markers (cont.)

Part Number†						Legend
Style A	Style B	Style C	Style M	Style R	Style L	
PCV-13000A	PCV-13000B	—	—	—	—	13000 Volts
PCV-13200A	PCV-13200B	PCV-13200C	—	—	—	13200 Volts
PCV-13800A	PCV-13800B	PCV-13800C	—	—	—	13800 Volts
PCV-ACA	PCV-ACB	PCV-ACC	—	—	—	AC
PCV-DCA	PCV-DCB	PCV-DCC	—	—	—	DC
PCV-A/CA	PCV-A/CB	PCV-A/CC	—	—	—	Air Cond.
PCV-BLANKA	PCV-BLANKB	PCV-BLANKC	—	—	—	Blank-No Legend
PCV-CHTA	PCV-CHTB	PCV-CHTC	PCV-CHTM	PCV-CHTR	—	Caution-Heat Traced
PCV-CNA	PCV-CNB	PCV-CNC	—	—	—	Circuit #
PCV-CBA	PCV-CBB	PCV-CBC	—	—	—	Circuit Breaker
PCV-EOOSA	PCV-EOOSB	PCV-EOOSC	—	—	—	Electric Out of Service
PCV-ESA	PCV-ESB	PCV-ESC	—	—	—	Emergency Service
PCV-EXLTSA	PCV-EXLTSB	PCV-EXLTSC	—	—	—	Exit Lights
PCV-FAA	PCV-FAB	PCV-FAC	—	—	—	Fire Alarm
PCV-FOA	**PCV-FOB**	**PCV-FOC**	PCV-FOM	**PCV-FOR**	PCV-FOL	Fiber Optic
PCV-FOA-A	PCV-FOB-A	PCV-FOC-A	—	—	—	Fibre Optic
PCV-FOCA	PCV-FOCB	PCV-FOCC	PCV-FOCM	PCV-FOCR	—	Fiber Optic Cable
PCV-FOSA	PCV-FOSB	PCV-FOSC	—	—	—	(Fiber Optic Symbol)
PCV-FBOXA	PCV-FBOXB	PCV-FBOXC	—	—	—	Fuse Box
PCV-HTCRTA	PCV-HTCRTB	PCV-HTCRTC	—	—	—	Heating Circuit
PCV-INSAA	PCV-INSAB	PCV-INSAC	—	—	—	Intrinsically Safe
PCV-INTRA	PCV-INTRB	PCV-INTRC	—	—	—	Intrinsic Safety Wiring
PCV-LTSA	PCV-LTSB	PCV-LTSC	—	—	—	Lights
PCV-L/PA	PCV-L/PB	PCV-L/PC	—	—	—	Light & Power
PCV-MAINA	PCV-MAINB	PCV-MAINC	—	—	—	Main
PCV-OOA	PCV-OOB	PCV-OOC	—	—	—	On/Off
PCV-PWRA	PCV-PWRB	PCV-PWRC	—	—	—	Power
PCV-1PHA	**PCV-1PHB**	**PCV-1PHC**	—	—	—	Single Phase
PCV-SPAREA	PCV-SPAREB	PCV-SPAREC	—	—	—	Spare
PCV-TELEA	PCV-TELEB	PCV-TELEC	—	—	—	Telephone
PCV-3PHA	**PCV-3PHB**	**PCV-3PHC**	—	—	—	Three Phase

†Most legends also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese

Marker Books

GMV1 Vinyl



Marker Size:
1.50" x 3.25" (38 x 82 mm)

Part Number	Legend	Markers/ Page	Markers/ Book	Std. Pkg.*
Voltage Markers				
PCVB-110	110 Volts	3	30	1 Book
PCVB-220	220 Volts			
PCVB-277	277 Volts			
PCVB-277/480	277/480 Volts			
PCVB-440	440 Volts			
PCVB-480	480 Volts			
PCVB-550	550 Volts			
PCVB-4160	4160 Volts			
Safety Signs				
PSSB-13	Danger High Voltage	3	30	1 Book

*Order number of books required in multiples of Std. Pkg.

Voltage and Ampere Markers

- Durable GMC1 vinyl cloth markers
- Black legend on yellow background

Style	Marker Size In. (mm)	Markers/ Card
PESC-A-**	8.98 x 2.24 (228 x 57)	1
PESC-B-**	4.49 x 1.02 (114 x 26)	4
PESC-C-**	2.24 x 0.51 (57 x 13)	18
PESC-D-**	1.12 x 0.51 (28 x 13)	36
PESC-F-**	0.75 x 0.35 (19 x 9)	48

Part Number					Legend	Color (Legend/ Bkgrnd)	Material	Std. Pkg.*
Style A	Style B	Style C	Style D	Style F				
PESC-A-5V	**PESC-B-5V**	**PESC-C-5V**	**PESC-D-5V**	—	5 Volt	Black/Yellow	GMC1 Vinyl Cloth	5 Cards
PESC-A-6V	**PESC-B-6V**	**PESC-C-6V**	**PESC-D-6V**	—	6 Volt			
PESC-A-12V	**PESC-B-12V**	**PESC-C-12V**	**PESC-D-12V**	—	12 Volt			
PESC-A-24V	**PESC-B-24V**	**PESC-C-24V**	**PESC-D-24V**	—	24 Volt			
PESC-A-48V	**PESC-B-48V**	**PESC-C-48V**	**PESC-D-48V**	—	48 Volt			
PESC-A-60V	**PESC-B-60V**	**PESC-C-60V**	**PESC-D-60V**	—	60 Volt			
PESC-A-110V	**PESC-B-110V**	**PESC-C-110V**	**PESC-D-110V**	—	110 Volt			
PESC-A-220V	**PESC-B-220V**	**PESC-C-220V**	**PESC-D-220V**	—	220 Volt			
PESC-A-230V	**PESC-B-230V**	**PESC-C-230V**	**PESC-D-230V**	—	230 Volt			
PESC-A-240V	**PESC-B-240V**	**PESC-C-240V**	**PESC-D-240V**	—	240 Volt			
PESC-A-380V	**PESC-B-380V**	**PESC-C-380V**	**PESC-D-380V**	—	380 Volt			
PESC-A-400V	**PESC-B-400V**	**PESC-C-400V**	**PESC-D-400V**	—	400 Volt			
PESC-A-440V	**PESC-B-440V**	**PESC-C-440V**	**PESC-D-440V**	—	440 Volt			
PESC-A-500V	**PESC-B-500V**	**PESC-C-500V**	**PESC-D-500V**	—	500 Volt			
PESC-A-600V	**PESC-B-600V**	**PESC-C-600V**	**PESC-D-600V**	—	600 Volt			
—	—	—	—	**PESC-F-L1**	L1			
—	—	—	—	**PESC-F-L2**	L2			
—	—	—	—	**PESC-F-L3**	L3			
—	—	—	—	**PESC-F-N**	N			
—	—	—	—	**PESC-F-LPLS**	L+			
—	—	—	—	**PESC-F-LMIN**	L-			
—	—	—	—	**PESC-F-M**	M			
—	—	—	—	**PESC-F-AC**	AC			
—	—	—	—	**PESC-F-DC**	DC			
—	—	—	—	**PESC-F-ON**	On			
—	—	—	—	**PESC-F-OFF**	Off			
—	—	—	—	**PESC-F-VOLT**	Volt			
—	—	—	—	**PESC-F-2A**	2A			
—	—	—	—	**PESC-F-4A**	4A			
—	—	—	—	**PESC-F-6A**	6A			
—	—	—	—	**PESC-F-10A**	10A			
—	—	—	—	**PESC-F-16A**	16A			
—	—	—	—	**PESC-F-25A**	25A			
—	—	—	—	**PESC-F-35A**	35A			
—	—	—	—	**PESC-F-50A**	50A			
—	—	—	—	**PESC-F-63A**	63A			
—	—	—	—	**PESC-F-75A**	75A			

*Order number of cards required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Panduit Corp. Generic Conduit and Voltage Marker Order Form

One Form per Generic Marker Option

Fax orders to Panduit Corp. - Identification Products Division, Attn. Customer Service (770-889-9264).

Generic Markers are Non-Returnable

Date: _____
From: _____
Telephone #: _____
End-User: _____
_____
_____
Telephone #: _____
Account #: _____

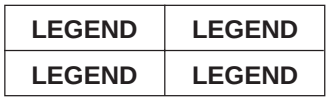
Panduit Sales Rep: _____
Distributor: _____
_____
_____
_____
Distributor Contact: _____
Telephone #/Fax #: _____
Account #: _____

Generic Conduit and Voltage Marker Options

Pressure Sensitive Adhesive GMV1 Vinyl Conduit and Voltage Markers

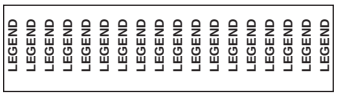
STYLE A

Marker size: 2.25" x 9" - 1 marker per card
Character height: 1.75"



STYLE B

Marker size: 1.125" x 4.5" - 4 markers per card
Character height: .75"



STYLE C

Marker size: .50" x 2.25" - 18 markers per card
Legend on one line - Character height: .3125"

Minimum Order Quantity: 10 cards per legend per size and in multiples of 5 cards.

Part Desired ✔	Quantity of Cards	Part Number	Legend Color	Backgrnd Color	Style	Markers/ Card
		GPCV-AO	BLACK	ORANGE	A	1
		GPCV-BO	BLACK	ORANGE	B	4
		GPCV-CO	BLACK	ORANGE	C	18
		GPCV-AY	BLACK	YELLOW	A	1
		GPCV-BY	BLACK	YELLOW	B	4
		GPCV-CY	BLACK	YELLOW	C	18

Print Legend Required
Legend to fit on one line. Max. 17 characters including spaces.

*Note: In Style B and C, if you want several different legends on a card, draw the lines to signify label division on the legend area. Write in the different legends needed.

Semi-Rigid Snap-On GMPET Polyester Conduit and Voltage Markers

-Protected graphics
-6 Reversible legends per marker
Character height: Size M - .50"
Size R - .75"

Minimum Order Quantity: 10 markers per legend per size

Part Desired ✔	Quantity of Markers	Part Number	Legend Color	Backgrnd Color	Style	Length of Marker	Conduit O.D. Range
		GPCV-RO	BLACK	ORANGE	R	8"	3/4" - 2 1/4"
		GPCV-MO	BLACK	ORANGE	M	14"	2 1/2" - 6"
		GPCV-RY	BLACK	YELLOW	R	8"	3/4" - 2 1/4"
		GPCV-MY	BLACK	YELLOW	M	14"	2 1/2" - 6"

Print Legend Required
Legend to fit on one line. Max. 19 characters including spaces.

For Pricing and Lead Time Information, Contact Customer Service at 888-506-5400, ext. 1777.

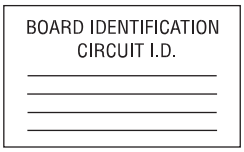
Form: ID-0165 **Approved by MD** ____ **3MAR99** **Property of Panduit Corp.**

Electrical Labels in Dispenser

- Packaged in a dispenser for label protection and your convenience
- Made of durable, write-on material
- Other legends available for Quality Applications (see page 96)

Part Number	Material	Label Size In. (mm)	Labels/ Dispenser	Std. Pkg.*
PLD-*	GMM Polyester	1.50 x 1.00 (38 x 25)	200	1 Disp.

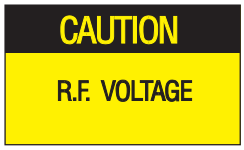
PLD-52
ISO 3864



PLD-82
NEC 210-4(d)

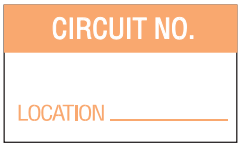
PLD-36 120V
PLD-44 208V

PLD-37 220V
PLD-45 230V
PLD-38 240V
PLD-46 277V
PLD-47 277V/480V
PLD-48 380V
PLD-39 440V
PLD-40 460V



PLD-32

PLD-76
NEC 110.22

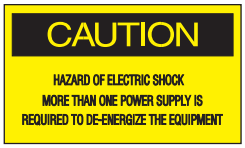


PLD-12

PLD-43

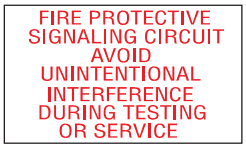
PLD-67
NEC 110-31

PLD-75
NEC 800



PLD-74

PLD-73
NEC 700.9A



PLD-79
NEC 760.4

PLD-56
ISO 3864

PLD-80
NEC 504.80(b)

PLD-81
NEC 230.70(b)

PLD-54

PLD-53

Part Number	Material	Label Size In. (mm)	Labels/ Dispenser	Std. Pkg.*
PLD-57	GMM Polyester	0.75 (19)	300	1 Disp.
PLD-70	GMM Polyester	1.00 x 0.38 (25 x 10)	800	
PLD-69	GMM Polyester	1.00 x 0.38 (25 x 10)	800	
PLD-71	GMM Polyester	2.00 x 1.00 (51 x 25)	150	

PLD-57
ISO 3864

PLD-70
NEC 210.8

PLD-69
NEC 210

PLD-71
NEC 240.53

*Order number of dispensers required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Electrical Symbols on Cards

Part Number Prefix	Marker Size In. (mm)	Markers/ Card	Material	Std. Pkg.*
PESC-H-*	0.51 x 0.51 (13 x 13)	60	GMC1 Vinyl Cloth	10 Cards
PESC-J-*	0.75 x 0.75 (19 x 19)	36		

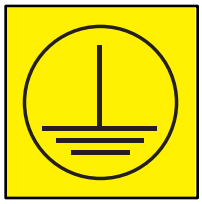
*Order number of cards required in multiples of Std. Pkg.

PESC-*-PE
Protective conductor

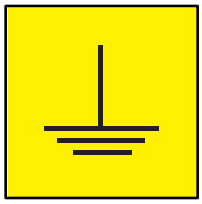
PESC-*-PU
Protective conductor - no earth

PESC*-PEN
Neutral conductor with protective function (PEN conductor)

PESC-*-N
Neutral conductor

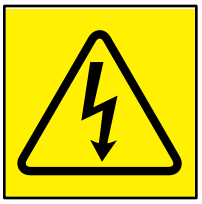


PESC-*-EC
Safety function



PESC-*-E
Earth (ground)

PESC-*-DT
Splash proof against splashes from all directions (per DIN 40050 Part 2)

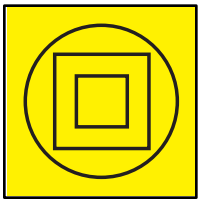


PESC-*-AT
Warning of dangerous electrical voltage

PESC-*-LT
Warning of laser beam

PESC-*-HT
Static sensitive device - handling precautions required

PESC-*-BT
Warning of battery hazards



PESC-*-SI
Protective isolation

Electrical Labels

Part Number	Material	Label Size In. (mm)	Labels/ Pkg.	Std. Pkg.*
WL25	GMY Polyester	3.50 x 1.50 (89 x 38)	50	1 Pkg.
WL32	GMV1OL Vinyl	1.50 (38) Triangle	50	
WL33	GMV1OL Vinyl	4.50 (114) Triangle	50	

*Order number of packages required in multiples of Std. Pkg.

WL25

WL32
ISO 3864

WL33
ISO 3864

Safety Signs

GMV1 Indoor Adhesive Vinyl (Type PVS)

- Economical, general purpose signs for use in most environments
- Very good adhesive properties when applied to a clean surface

GMM Indoor/Outdoor Sub-Surface Printed Adhesive Polyester (Type PPS)

- High quality signs for use indoors and outdoors
- Excellent resistance to UV light, chemical atmosphere, and abrasion
- Excellent life and adhesion properties
- Printed graphics are protected by clear polyester laminate

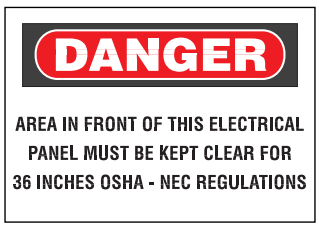
GMPE1 Indoor/Outdoor Rigid Polyethylene (Type PRS)

- Rugged signs for indoors and outdoors
- Abrasion resistant
- Used where adhesives will not work

Part Number Prefix			Width x Height In. (mm)	Signs/ Card	Std. Pkg.*
Adhesive Vinyl	Adhesive Polyester	Rigid Polyethylene			
—	PPS0202	—	2.25 x 2.25 (57 x 57)	4	5 Cards
PVS0204	—	—	2.25 x 4.50 (57 x 114)	2	5 Cards
PVS0305	PPS0305	—	3.50 x 5.00 (89 x 127)	2	5 Cards
PVS0505	PPS0505	—	5.00 x 5.00 (127 x 127)	—	5 Signs
—	—	PRS0507	5.00 x 7.00 (127 x 178)	—	5 Signs
PVS0705	—	—	7.00 x 5.00 (178 x 127)	—	5 Signs
PVS0710	PPS0710	PRS0710	7.00 x 10.00 (178 x 254)	—	1 Sign
—	—	PRS0910	9.00 x 10.00 (229 x 254)	—	1 Sign
—	—	PRS1007	10.00 x 7.00 (254 x 178)	—	1 Sign
—	PPS1014	PRS1014	10.00 x 14.00 (254 x 356)	—	1 Sign
—	—	PRS1420	14.00 x 20.00 (356 x 508)	—	1 Sign

*Order number required in multiples of Std. Pkg.

PPS0710D72S



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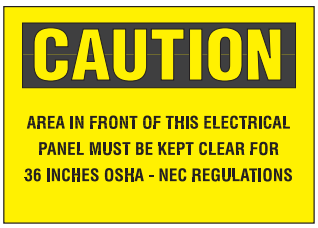

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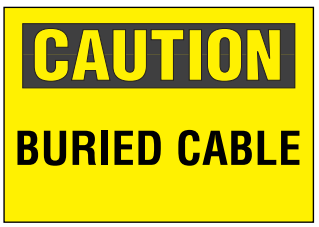


PRS0507C143

PPS0710D68
PRS0710D68

PRS0710B361

PRS0710B360

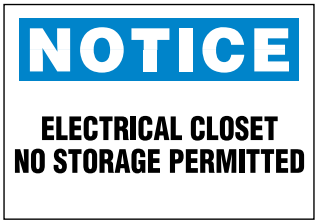
PVS0509B364
PVS0710B364
PPS0509B364
PPS0710B364
PRS0710B364
PRS1014B364

Electrical Hazard Safety Signs

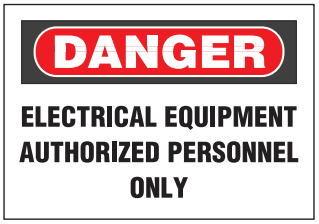
Seee page 53 for information on part number sizes and materials.

PPS0514B363

PRS1014D71



PPS0710N203



PPS0710D70
PRS1014D70

PPS0305D77
PPS0710D77

PVS0204D72
PVS0710D72
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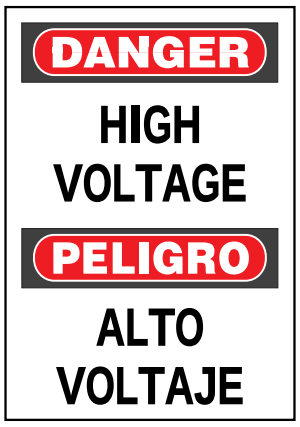
PRS1007D72
PRS1014D72
PRS1420D72



PPS1007D72SE

PRS1014D79

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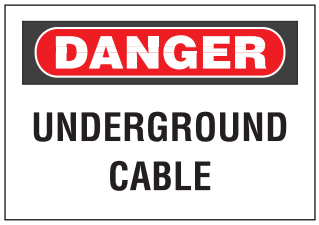
PPS0710D73
PPS1014D73
PRS1014D73
PRS1420D73

PRS1420D74

PPS0305D75
PPS0710D75
PPS1014D75
PRS1420D75

PRS0910D453

PRS1014D26

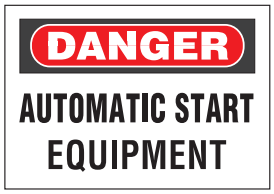


PRS1014D27

PPS0710D28
PRS0710D28
PRS1014D28

Machine and Operational Safety Signs

See page 53 for information on part number sizes and materials.



PPS0710D24

PPS0710C119
PRS0710C119

PPS0202B494
(Cut/Sever)

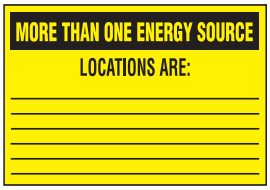
PRS1014N191

PVS0204C533

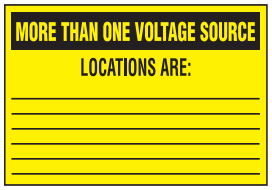
PRS1014D84

PPS0202B521

PRS1014C122



PVS0710C519



PVS0710C518

PPS0202B493
(Pinch Point)

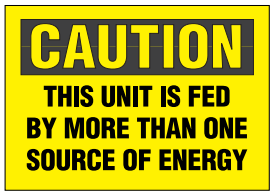
PVS0204D100

PVS0204C522

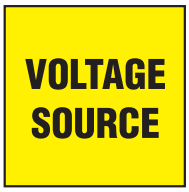
PVS0204C178

PPS0710D101
PRS0710D101
PRS1014D101

PVS0705C181



PVS0305C174
PVS0505C174
PPS0305C174
PPS0505C174



PPS0202B520

PPS0710D102

See page 46 for Lockout/Tagout legends and page 83-84 for Facility Identification legends.
To order custom legend signs, refer to Custom Sign Order Forms on pages 56-57.

Panduit Corp. Generic Adhesive PPS Safety Sign Order Form

One Form per Generic Sign Option

Fax orders to Panduit Corp. - Identification Products Division, Attn. Customer Service (770-889-9264).

Generic Signs are Non-Returnable

Date: _____

From: _____

Telephone #: _____

End-User: _____

_____

_____

Telephone #: _____

Account #: _____

Panduit Sales Rep: _____

Distributor: _____

_____

_____

_____

Distributor Contact: _____

Telephone #/Fax #: _____

Account #: _____

Generic PPS Sign Options

Select the Generic Polyester Sign Part Number and Quantity:

Size	DANGER Black on Wht	CAUTION Black on Yell	NOTICE Black on Wht	SAFETY FIRST Black on Wht	WARNING Black on Org	"no header" Black on Org	"no header" Black on Wht	"no header" Black on Yell
3" x 5"	GPPS0305D	GPPS0305C	GPPS0305N	GPPS0305SF	GPPS0305W	GPPS0305B-BO	GPPS0305B-BW	GPPS0305B-BY
7" x 10"	GPPS0710D	GPPS0710C	GPPS0710N	GPPS0710SF	GPPS0710W	GPPS0710B-BO	GPPS0710B-BW	GPPS0710B-BY
10" x 14"	GPPS1014D	GPPS1014C	GPPS1014N	GPPS1014SF	GPPS1014W	GPPS1014B-BO	GPPS1014B-BW	GPPS1014B-BY

Quantity Per Legend Per Size (min. of 10): _____ **Part Number:** _____

Print Legend in the Format Required:

Include logos and/or pictograms

Check Applicable Order Requirements:

_____ **Pictogram (type** _____**)**

_____ **Logo Required (**camera ready artwork must accompany order form)

_____ **Character Height** (legend will be formatted to fit the size of the sign unless otherwise specified): _____

_____ **ARTWORK APPROVAL** (Panduit reserves the right to assign artwork approval when necessary)

Notes: _____

_____

_____

For Pricing and Lead Time Information, Contact Customer Service at 888-506-5400, ext. 1777.

Form: ID-0298 **Approved by MD ___.___** **3MAR99** **Property of Panduit Corp.**

Panduit Corp. Generic Semi-Rigid PRS Safety Sign Order Form

One Form per Generic Sign Option

Fax orders to Panduit Corp. - Identification Products Division, Attn. Customer Service (770-889-9264).
Generic Signs are Non-Returnable

Date: _____
From: _____
Telephone #: _____
End-User: _____
_____
_____
Telephone #: _____
Account #: _____

Panduit Sales Rep: _____
Distributor: _____
_____
_____
_____
Distributor Contact: _____
Telephone #/Fax #: _____
Account #: _____

Generic PRS Sign Options

Select the Generic Semi-Rigid GMPE1 Polyethylene Sign Part Number and Quantity:

Size	DANGER Black on Wht	CAUTION Black on Yell	NOTICE Black on Wht	SAFETY FIRST Black on Wht	WARNING Black on Org	"no header" Black on Org	"no header" Black on Wht	"no header" Black on Yell
7" x 10"	GPRS0710D	GPRS0710C	GPRS0710N	GPRS0710SF	GPRS0710W	GPRS0710B-BO	GPRS0710B-BW	GPRS0710B-BY
10" x 14"	GPRS1014D	GPRS1014C	GPRS1014N	GPRS1014SF	GPRS1014W	GPRS1014B-BO	GPRS1014B-BW	GPRS1014B-BY
14" x 20"	GPRS1420D	GPRS1420C	GPRS1420N	GPRS1420SF	GPRS1420W	GPRS1420B-BO	GPRS1420B-BW	GPRS1420B-BY

Quantity Per Legend Per Size (min. of 10): _____ **Part Number:** _____

Print Legend in the Format Required:

Include logos and/or pictograms

Each sign will have (1) .1875" hole in each corner and .375" radius corners.

Check Applicable Order Requirements:

____ **Pictogram** (type _____)
____ **Logo Required (**camera ready artwork must accompany order form)
____ **Character Height** (legend will be formatted to fit the size of the sign unless otherwise specified): _____

____ **ARTWORK APPROVAL** (Panduit reserves the right to assign artwork approval when necessary)

Notes: _____
_____
_____

For Pricing and Lead Time Information, Contact Customer Service at 888-506-5400, ext. 1777.

Machine and Operational Safety Tags

All tags have a write-on surface that accepts pen, pencil or marker pens. Package consists of 25 tags and 25 PLT1.5I cable ties (5.6" / 142 mm length). Available in 2 styles:

- PVT Tags: Semi-rigid plastic tags with a 0.38" (9 mm) brass grommet for greater strength and durability
- PCT Tags: Economical card stock tags for indoor or temporary use

(Unless legend for back side of tag is shown, it is indicated below tag part numbers. Legends for Style A, B or C backs are shown at bottom of page).

Part Number	Material	Size In. (mm)	Tags/ Pkg.	Std. Pkg.*
PVT-*-Q	GMV5 Semi-Rigid Plastic	3.00 x 5.75 (76 x 146)	25	1 Pkg.
PCT-*-Q	Card Stock			

*Order number of packages required in multiples of Std. Pkg.

PVT-37-Q
PCT-37-Q
Style A

PVT-115-Q
PCT-115-Q
SEE OTHER SIDE

PVT-124-Q
PCT-124-Q
Style A

PVT-39-Q
PCT-39-Q
Style A

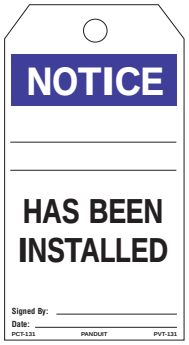
PVT-47-Q
PCT-47-Q
Style A

PVT-67-Q
Same as Front

PVT-1-Q
Style C

PVT-130-Q
PCT-130-Q
Blank

PVT-120-Q
PCT-120-Q
Style A

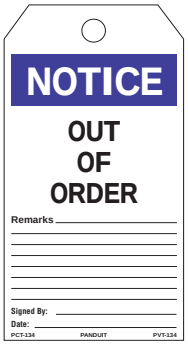


PVT-131-Q
PCT-131-Q
Blank

PVT-133-Q
PCT-133-Q
Blank

PVT-58-Q
Style A

PVT-8-Q
Style C



PVT-134-Q
PCT-134-Q
Blank

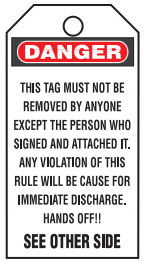
Front

Back

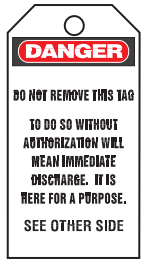
PVT-29-Q
PCT-28-Q

Back Side of Tags

Style A



Style B



Style C

Machine and Operational Safety Tags (cont.)

See page 58 for information on part number sizes and materials.

PVT-34-Q
Style A

PVT-61-Q
Style A

PVT-63-Q
Style A

PVT-64-Q
PCT-64-Q
Style A

Front

Back

PVT-164-Q
PCT-164-Q

See pages 39-44 for Lockout/Tagout legends and pages 85-86 for Facility Identification legends.
To order custom legend tags, refer to Custom Tag Order Forms on pages 60-61.

Panduit Corp. Generic PCT Cardstock Tag Order Form

One Form per Generic Tag Option

Fax orders to Panduit Corp. - Identification Products Division, Attn. Customer Service (770-889-9264).
Generic Tags are Non-Returnable

Date: _____ Panduit Sales Rep: _____

From: _____ Distributor: _____

Telephone #: _____

End-User: _____

_____

_____ Distributor Contact: _____

Telephone #: _____ Telephone #/Fax #: _____

Account #: _____ Account #: _____

Select the Generic Cardstock Tag Part Number and Quantity:

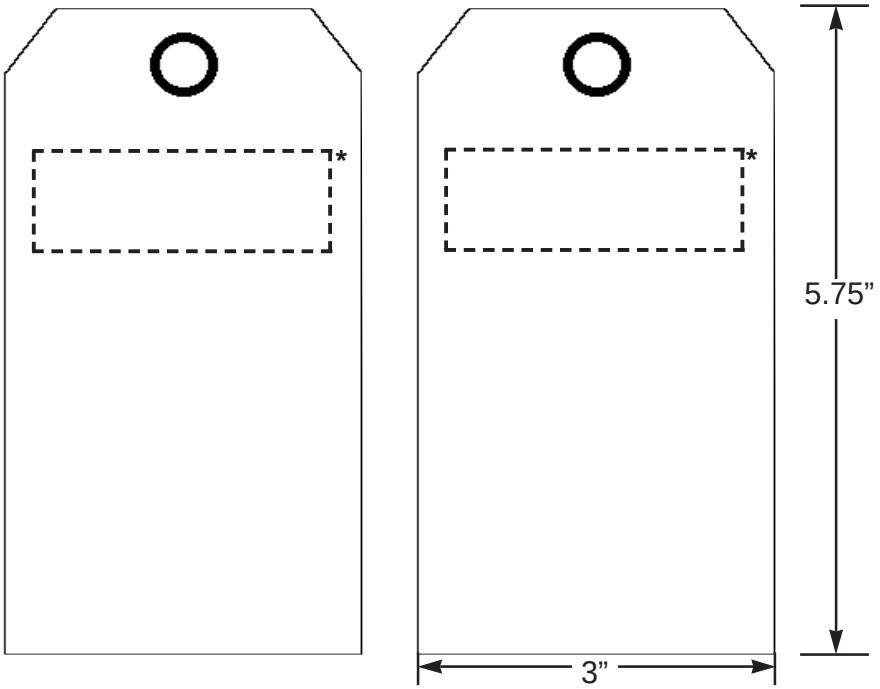
Number of Sides Printed	DANGER Black on Wht	CAUTION Black on Yell	NOTICE Black on Wht	"no header" Black on Wht	"no header" Black on Yell	"no header" Black on Red	"no header" Black on Green
1	GPCT-D1-1	GPCT-C1-1	GPCT-N1-1	GPCT-W1-1	GPCT-Y1-1	GPCT-R1-1	GPCT-G1-1
2	GPCT-D1-2	GPCT-C1-2	GPCT-N1-2	GPCT-W1-2	GPCT-Y1-2	GPCT-R1-2	GPCT-G1-2

Fluorescent Tagstock:

Number of Sides Printed	CAUTION Black on Yell	"no header" Black on Fl. Yell	"no header" Black on Fl. Org	"no header" Black on Fl. Red	"no header" Black on Fl. Green
1	GPCT-FC1-1	GPCT-FY1-1	GPCT-FO1-1	GPCT-FR1-1	GPCT-FG1-1
2	GPCT-FC1-2	GPCT-FY1-2	GPCT-FO1-2	GPCT-FR1-2	GPCT-FG1-2

Quantity in Packs (min. of 4 packs, 25 tags & ties / pack): _____ Part Number: _____

Use this space to create a rough sketch of your tag.
Please indicate colors and legend. Please print.
Attach an additional page or customer sketch if needed.



FRONT OF TAG **BACK OF TAG**

Check Applicable Order Requirements:

____ **Pictogram (type _____)**
____ **Logo Required (**camera ready artwork must accompany the order form).
____ **Char. Ht** (legend will be formatted to fit the size of the tag unless otherwise specified): _____
____ **ARTWORK APPROVAL** (Panduit reserves the right to assign artwork approval when necessary)

*Normal position of header. Hole size = .406" without grommet.
(1) Panduit tie is included per tag.

For Pricing and Lead Time Information, Contact Customer Service at 888-506-5400, ext. 1777.

Panduit Corp. Generic PVT Vinyl Tag Order Form

One Form per Generic Tag Option

Fax orders to Panduit Corp. - Identification Products Division, Attn. Customer Service (770-889-9264).
Generic Tags are Non-Returnable

Date: _____
From: _____
Telephone #: _____
End-User: _____
_____
_____
Telephone #: _____
Account #: _____

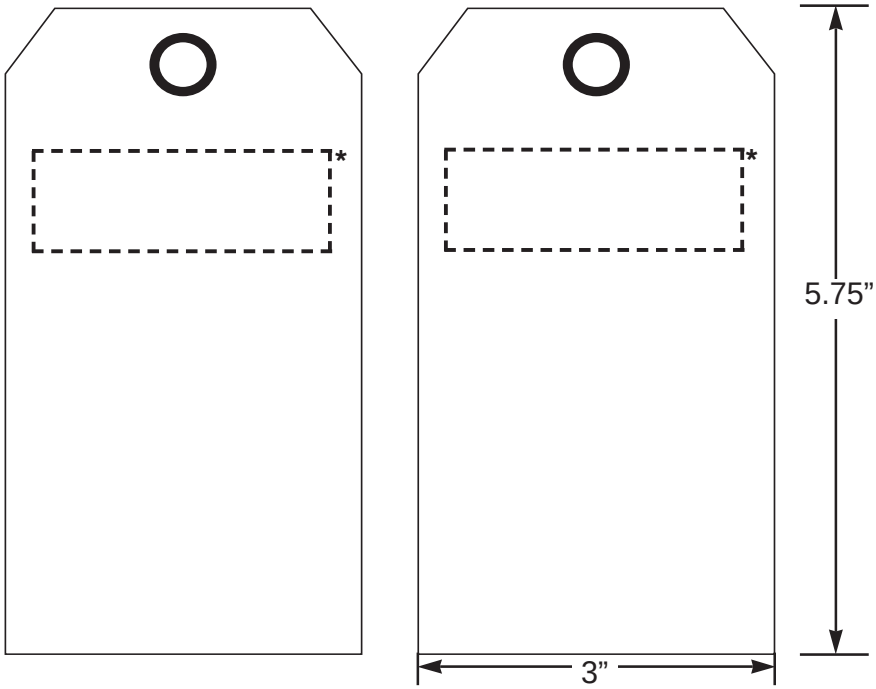
Panduit Sales Rep: _____
Distributor: _____
_____
_____
_____
Distributor Contact: _____
Telephone #/Fax #: _____
Account #: _____

Select the Generic Vinyl Tag Part Number and Quantity:

Number of Sides Printed	DANGER Black on Wht	CAUTION Black on Yell	NOTICE Black on Wht	"no header" Black on Wht	"no header" Black on Yell	"no header" Black on Red	"no header" Black on Green
1	GPVT-RBW-1	GPVT-BY-1	GPVT-BBW1	GPVT-W1-1	GPVT-Y1-1	GPVT-R1-1	GPVT-G1-1
2	GPVT-RBW-2	GPVT-BY-2	GPVT-BBW2	GPVT-W1-2	GPVT-Y1-2	GPVT-R1-2	GPVT-G1-2

Quantity in Packs (min. of 4 packs, 25 tags & ties / pack): _____ **Part Number:** _____

Use this space to create a rough sketch of your tag.
Please indicate colors and legend. Please print.
Attach an additional page or customer sketch if needed.



FRONT OF TAG **BACK OF TAG**

Check Applicable Order Requirements:

____ **Pictogram (type _____)**
____ **Logo Required (**camera ready artwork must accompany the order form).
____ **Char. Ht** (legend will be formatted to fit the size of the tag unless otherwise specified): _____
____ **ARTWORK APPROVAL** (Panduit reserves the right to assign artwork approval when necessary)

*Normal position of header. Hole size = .375" w/grommet.
(1) Panduit tie is included per tag.

For Pricing and Lead Time Information, Contact Customer Service at 888-506-5400, ext. 1777.

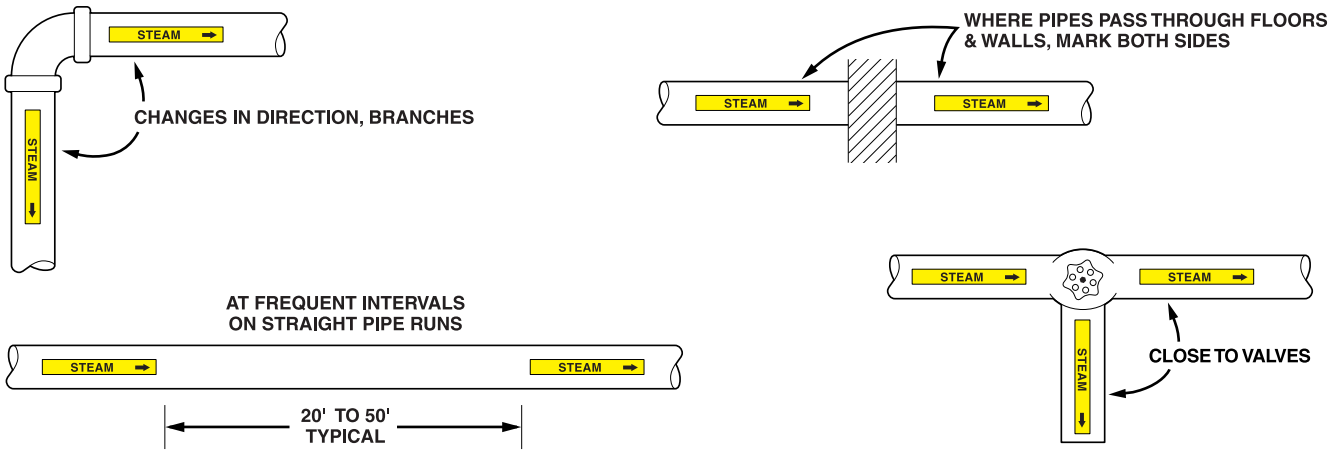
ANSI A13.1

"The Scheme for the Identification of Pipe Systems" ANSI A13.1 is the recognized standard for the identification of piping systems.

This standard is designed to standardize the identification of all materials conveyed through piping systems in order to make a facility safer and a more efficient place in which to work. *All of Panduit Pipe Marking Systems comply with ANSI A13.1.*

ANSI recommends the size of legend letters, color combinations and marker placement. Below is a brief recap of ANSI A13.1.

ANSI Recommendations for Marker Placement



ANSI Recommendations for Size of Legend Letters

Outside Diameter of Pipe or Covering In. (mm)	Minimum Length of Color Field (A) In. (mm)	Minimum Size of Letters (B) In. (mm)
0.75 - 1.25 (19 - 32)	8.0 (203)	0.50 (13)
1.50 - 2.00 (38 - 51)	8.0 (203)	0.75 (19)
2.50 - 6.00 (64 - 150)	12.0 (305)	1.25 (32)
8.00 - 10.00 (200 - 250)	24.0 (610)	2.50 (64)
Over 10.00 (250)	32.0 (813)	3.50 (89)

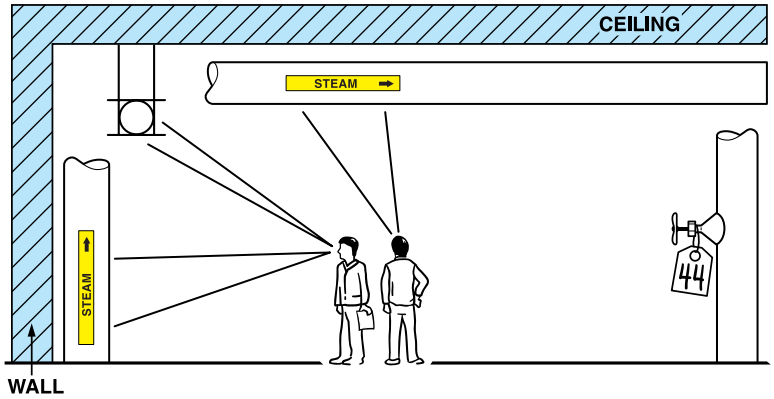
ANSI Color Recommendations

Pipe Contents	Classification	Background Color Scheme	Legend Color Scheme	Color Code for Arrow and Banding Tape
Materials Inherently Hazardous	Flammable or Explosive Chemically Active or Toxic Extreme Temperatures or Pressures Radioactive	Yellow Yellow Yellow Yellow	Black Black Black Black	Yellow Yellow Yellow Yellow
Materials of Inherently Low Hazard	Liquid or Liquid Admixture Gas or Gaseous Admixture	Green Blue	White White	Green Blue
Fire Quenching Materials	Water, Foam, Carbon Dioxide, Halon, etc.	Red	White	Red

Location Principle

Pipe markers should be placed as follows:

- Where they will not be obscured by other pipe markers, signs, tanks or piping systems
- So that they are easily visible from main traffic ways within the facility
- To insure the proper direction of flow indicated on the piping system
- At least 7' (2.1 m) above floor level for appropriate eye contact (if possible)
- For pipe lines located above or below normal line of vision, markers should be placed below or above the horizontal centerline of the pipe



Pipe Marker Application Guide

In order to select the appropriate pipe marker system, determine the evaluation criteria most relevant for your marking environment and compare each system. All Panduit Pipe Marker Systems offer long lasting identification under multiple conditions. However, if your marking environment demonstrates extreme exposure to the performance criteria below, the comparative ranking of pipe marker systems will be beneficial in determining the system that best suits your needs.

Performance Data

	PMSH	PMPC	PMU
Pipe Marker System	**High Performance Snap-On for Harsh Environments** Non-adhesive pre-coiled markers with sub-surface printed graphics • Designed for alkaline conditions • Excellent UV, chemical and abrasion resistance • Use on wet, dirty, rusty or dusty piping surfaces • Designed for quick and efficient installation, provide 360° visibility	**High Performance Strap-On for Harsh Environments** Non-adhesive, flat, rigid markers with sub-surface printed graphics • Designed for extreme alkaline and humid conditions • Excellent UV, chemical and abrasion resistance • Use on wet, dirty, rusty or dusty piping surfaces • Easily installed with Panduit Stainless Steel Pipe Marker Ties found on page 75	**Pressure Sensitive Markers for Clean Environments** Adhesive markers with sub-surface printed graphics • Designed for economical pipe marking • Good chemical and UV resistance • Includes directional arrows on marker

Chemical Data - Each pipe marker system is ranked according to estimated longevity: 1=Greatest Performance

Exposure to Mild Acids	1	1	2
Exposure to Bases	1	1	2
Exposure to Solvents	2	1	3
Exposure to Oils	1	1	2
Exposure to Salt Water	1	1	2

Environmental Data

Outdoor Life Expectancy	5 to 8 Years	5 to 8 Years	5 to 8 Years
UV Resistance	Yes	Yes	Yes
Temperature Range	-40°F to 225°F (-40°C to 107°C)	-40°F to 230°F (-40°C to 110°C)	-40°F to 176°F (-40°C to 80°C)
Humidity Resistance 50% - 70% RH	Excellent	Excellent	Moderate

For specific technical data contact factory for details.

How to Order Standard Legend Pipe Markers

1. Take into account the following to determine which pipe marker system is needed:
   A) Surface of the pipe (wet, dry, rough, dirty, clean, etc.)
   B) Marking environment (indoor/outdoor, chemical, UV, humidity exposure)
   C) Temperature
   D) Durability and ease of installation
   E) Pipe maintenance
2. Determine the flow direction of pipe contents. (All PMPC Pipe Markers have directional flow arrows pointing only to the right. If you require a left directional arrow, order a custom legend pipe marker. See page 74 or contact factory for details.)
3. Determine the outside pipe diameter (including any insulation).
4. Locate the correct part number for the desired legend by referencing the appropriate pipe diameter column in the part number listing for the pipe marker system needed. See pages 66 to 73.
   For custom legends, use Custom Pipe Marker Order Form on page 74.
5. Remember to order additional products designed for the specific system you are using. For example: Order ties for strap-on markers, banding tape for pressure sensitive markers or valve tag accessories when ordering valve tags.
6. Contact your local Panduit Distributor to place your order.

Pre-Coiled Clear Snap-On Markers

NEW

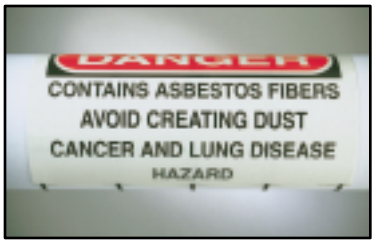
- Use to increase durability of PMU Style Adhesive Markers
- Excellent resistance to oils, bases, detergents, solvents, salt water and mild acids
- Estimated outdoor life expectancy = 3 years

Apply clear snap-on marker on top of PMU Adhesive markers to increase durability

Apply PMU Adhesive markers to clear snap-on marker and then apply to pipe

Part Number	Marker Length In. (mm)	Pipe O.D. Range In. (mm)	Use with PMU Marker	Material	Markers/ Pkg.	Std. Pkg.*
PMSCLL	3.0 (76)	0.50 - 0.75 (13 - 19)	Style C	GMPET Polyester	5	1 Pkg.
PMSCLP	13.0 (330)	0.75 - 2.25 (19 - 57)	Style B			
PMSCLN	17.0 (432)	2.25 - 3.25 (57 - 83)	Style A			
PMSCLM	17.0 (432)	3.25 - 6.00 (83 - 152)	Style A			

*Order number of packages required in multiples of Std. Pkg.



Asbestos Warning Pipe Markers

NEW

		Snap-On	Strap-On	
		3.25" - 6.00" Pipe O.D.	2.25" - 6.00" Pipe O.D.	6.00" - 10.00" Pipe O.D.
ASBESTOS FREE	White/Blue	**PMS138M**	—	—
ASBESTOS INSULATION	Black/Yellow	**PMS139M**	—	**PMR139G**
DANGER (Header) CONTAINS ASBESTOS FIBERS AVOID CREATING DUST CANCER AND LUNG DISEASE HAZARD	Red and Black/ White	**PMS988M**	**PMR988A**	**PMR988G**

Std. Pkg. = 1 marker. Order number of markers required in multiples of Std. Pkg.

PMSH Snap-On Pipe Markers

Pipe Outside Diameter Range In. (mm)	Marker Style	Letter Height In. (mm)	Length of Color Field In. (mm)
0.50 - 2.25 (13 - 57)	Snap-On Style P	0.75 (19)	8.0 (203)
2.25 - 4.00 (57 - 102)	Snap-On Style N	1.25 (32)	12.0 (305)
2.25 - 8.00 (57 - 203)	Snap-On Style M	1.25 (32)	12.0 (305)

Std. Pkg. = One marker. Order the number of markers required in multiples of Std. Pkg.
NOTE: For 0.5" diameter pipe applications, it is important to use the adhesive strip for secure marker conformity against pipes.

PMPC Strap-On Markers

Pipe Outside Diameter Range In. (mm)	Marker Style	Letter Height In. (mm)	Length of Color Field In. (mm)
Over 8.00 (203)	Strap-On Style H	3.50 (89)	32.0 (813)

Std. Pkg. = One marker. Order the number of markers required in multiples of Std. Pkg.
*Recommended number of stainless steel pipe marker ties = 3 ties. Ordered separately, see page 87 for ordering information.

PMU Pressure Sensitive Pipe Markers

Pipe Outside Diameter Range In. (mm)	Marker Style	Letter Height In. (mm)	Marker Size In. (mm)	Markers/ Card	No. of Arrows
Less than 0.75 (19)	C	0.38 (10)	2.00 x 2.25 (51 x 57)	7-14**	14
0.75 - 2.25 (19 - 57)	B	0.75 (19)	1.25 x 10.00 (32 x 254)	1	1
2.75 - 6.00 (70 - 152)	A	1.25 (32)	2.00 x 14.00 (51 x 356)	1	1
Over 6.00 (152)	G	3.50 (89)	4.50 x 32.00 (114 x 813)	1	2

Std. Pkg. = 5 cards. Order number of cards required in multiples of Std. Pkg.
**Choose from minimum quantity of 7 markers per card or a maximum quantity of 14 (1″ x 2¼″) markers per card depending on where the marker is perforated and torn.

Pipe Markers by Legend

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
____LB. STEAM	Yellow		PMU887B						
____PSI	Yellow		PMU888B						
15# STEAM	Yellow					PMSH457P		PMSH457M	PMPC457H
50# STEAM	Yellow			PMU459A					
150# STEAM	Yellow							PMSH462M	
200# STEAM	Yellow								PMPC634H
ABANDONED (No Arrows)	Yellow							PMSH108M	
ACETONE	Yellow		PMU109B	PMU109A					
ACETYLENE GAS	Yellow		PMU110B	PMU110A					
ACID	Yellow	PMU113C	PMU113B	PMU113A	PMU113G				
ACID VENT	Yellow			PMU819A					
AIR	Blue	PMU118C	PMU118B	PMU118A	PMU118G	PMSH118P		PMSH118M	
AIR	Green	PMU643C	PMU643B	PMU643A		PMSH643P		PMSH643M	
AIR	Yellow	PMU644C	PMU644B	PMU644A					

*Yellow and orange markers have a black legend, all other markers have a white legend

Pipe Markers by Legend (cont.)

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
AIR RETURN	White			PMU822A					
AIR SUPPLY	Blue		PMU124B						
ALCOHOL	Yellow		PMU125B	PMU125A					
ALUM	Yellow		PMU1B						
AMMONIA	Yellow	PMU129C	PMU129B	PMU129A				PMSH129M	PMPC129H
ARGON	Blue	PMU107C	PMU107B	PMU107A	PMU107G				
ARGON	Green	PMU543C	PMU543B						
ASBESTOS INSULATION (No Arrows)	Yellow		PMU139B	PMU139A	PMU139G				
ASBESTOS FREE (No Arrows)	Blue					PMSH138P		PMSH138M	
ASBESTOS-FREE INSULATION	Blue		PMU990B	PMU990A	PMU990G				
BACKWASH	Green			PMU544A					
(Blank - No Arrows)†	Orange	PMU803C	PMU803B	PMU803A	PMU803G				
(Blank - No Arrows)†	Blue	PMU804C	PMU804B	PMU804A					
(Blank - No Arrows)†	Gray		PMU825B	PMU825A	PMU825G				
(Blank - No Arrows)†	Purple		PMU826B	PMU826A	PMU826G				
(Blank - No Arrows)†	Yellow	PMU54C	PMU54B	PMU54A	PMU54G				
(Blank - No Arrows)†	Green	PMU55C	PMU55B	PMU55A	PMU55G				
(Blank - No Arrows)†	Red	PMU56C	PMU56B	PMU56A	PMU55G				
(Blank - No Arrows)†	White	PMU57C	PMU57B	PMU57A	PMU57G				
BLEACH LIQUOR	Yellow	PMU3C							
BLOW-OFF WATER	Yellow		PMU542B						
BLOWDOWN	Yellow		PMU541B	PMU541A					
BLOWER AIR	Blue			PMU154A					
BLOWER AIR	Green		PMU827B	PMU827A					
BOILER BLOWDOWN	Yellow		PMU157B	PMU157A					
BOILER CONT. BLOWDOWN	Blue		PMU158B						
BOILER DRAIN	Green		PMU159B						
BOILER FEED	Green		PMU161B	PMU161A					
BOILER FEED	Yellow		PMU545B	PMU545A					
BOILER FEED WATER	Yellow		PMU162B	PMU162A				PMSH162M	PMPC162H
BOILER TREATMENT	Yellow		PMU163B						
BOILER WTR TREAT	Green			PMU165A					
BREATHING AIR	Blue		PMU169B	PMU169A					
BRINE	Green			PMU170A	PMU170G				
BROWN STOCK	Yellow			PMU6A					
CARBON DIOXIDE	Yellow	PMU173C	PMU173B			PMSH173P			
CARBON DIOXIDE	Red	PMU546C	PMU546B	PMU546A					
CARBON DIOXIDE	Gray	PMU948C	PMU948B						
CARBON TETRAFLUORIDE	Yellow	PMU904C							
CAUSTIC	Yellow	PMU7C	PMU7B	PMU7A	PMU7G	PMSH7P		PMSH7M	PMPC7H
CAUSTIC SODA	Yellow		PMU8B	PMU8A		PMSH8P	PMSH8N	PMSH8M	
CHEMICAL	Yellow		PMU196B	PMU196A					
CHEMICAL FEED	Yellow	PMU197C	PMU197B						
CHILLED WATER	Green	PMU58C	PMU58B	PMU58A	PMU58G			PMSH58M	
CHILLED WATER RETURN	Green		PMU202B	PMU202A	PMU202G	PMSH202P	PMSH202N	PMSH202M	PMPC202H

*Yellow and orange markers have a black legend, all other markers have a white legend
†Create legend with Die-Cut Letters and Numbers shown on page 77 or permanent marking pen

Pipe Markers by Legend (cont.)

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
CHILLED WATER SUPPLY	Green		PMU203B	PMU203A	PMU203G	PMSH203P	PMSH203N	PMSH203M	PMPC203H
CHLORINE	Yellow	PMU89C	PMU89B	PMU89A	PMU89G		PMSH89N		
CHLORINE GAS	Yellow		PMU11B						
CHLORINE LIQUID	Yellow		PMU204B						
CHLORINE SOLUTION	Yellow		PMU205B						
CHLORINE WATER	Yellow			PMU12A					
CIRCULATING WATER	Green		PMU13B	PMU13A	PMU13G	PMSH13P		PMSH13M	
CITY GAS	Yellow		PMU206B	PMU206A					
CITY WATER	Green	PMU69C	PMU69B	PMU69A	PMU69G	PMSH69P	PMSH69N	PMSH69M	
CLEAN DRY AIR	Yellow	PMU907C							
COLD WATER	Green	PMU60C	PMU60B	PMU60A	PMU60G	PMSH60P		PMSH60M	PMPC60H
COLD WATER RETURN	Green		PMU213B	PMU213A	PMU213G				
COLD WATER SUPPLY	Green	PMU214C	PMU214B	PMU214A	PMU214G	PMSH214P	PMSH214N		
COMPRESSED AIR	Yellow	PMU547C	PMU547B	PMU547A	PMU547G	PMSH547P		PMSH547M	
COMPRESSED AIR	Blue	PMU65C	PMU65B	PMU65A	PMU65G	PMSH65P	PMSH65N	PMSH65M	
COMPRESSED AIR	Green	PMU805C	PMU805B	PMU805A					
COND.PUMP DISCHARGE	Yellow		PMU218B						
CONDENSATE	Yellow	PMU67C	PMU67B	PMU67A	PMU67G			PMSH67M	PMPC67H
CONDENSATE DRAIN	Yellow		PMU215B						
CONDENSATE DRAIN	Green		PMU830B	PMU830A					
CONDENSATE RETURN	Yellow		PMU219B	PMU219A				PMSH219M	
CONDENSATE SUPPLY	Yellow		PMU220B	PMU220A					
CONDENSER WATER	Green		PMU221B	PMU221A	PMU221G				
CONDENSER WATER RETURN	Green		PMU222B	PMU222B	PMU222G				
CONDENSER WATER SUPPLY	Green		PMU223B	PMU223A	PMU223G				
COOLING WATER	Green	PMU83C	PMU83B	PMU83A	PMU83G	PMSH83P		PMSH83M	PMPC83H
COOLING WATER RETURN	Green	PMU226C	PMU226B	PMU226A	PMU226G				
COOLING WATER SUPPLY	Green		PMU227B	PMU227A					
CRUDE OIL	Yellow			PMU230A					
DEIONIZED WATER	Green	PMU233C	PMU233B	PMU233A		PMSH233P		PMSH233M	
DEMINERALIZED WATER	Green							PMSH90M	
DIBORANE	Yellow	PMU694C							
DICHLOROSILANE	Yellow	PMU698C							
DIESEL FUEL	Yellow		PMU994B	PMU994A					
DIGESTED SLUDGE	Yellow			PMU548A	PMU548G				
DIGESTED SLUDGE	Brown		PMU832B	PMU832A					
DIGESTER GAS	Yellow			PMU243A	PMU243G				
DISCHARGE	Yellow		PMU245B	PMU245A					
DISCHARGE	Green		PMU549B						
DISTILLED WATER	Green		PMU248B	PMU248A					
DOM. COLD WATER RETURN	Yellow		PMU251B						
DOM. COLD WATER SUPPLY	Yellow		PMU252B	PMU252A					
DOM. HOT WATER RETURN	Yellow		PMU253B	PMU253A					

*Yellow and orange markers have a black legend, all other markers have a white legend

See page 66 for marker size, material and packaging information.
Most commonly used parts appear in **BOLD**.

Pipe Markers by Legend (cont.)

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
DOM. HOT WATER SUPPLY	Yellow		PMU254B	PMU254A					
DOMESTIC COLD WATER	Green		PMU250B	PMU250A		PMSH250P	PMSH250N	PMSH250M	PMPC250H
DOMESTIC HOT WATER	Yellow		PMU255B	PMU255A		PMSH255P	PMSH255N		
DRAIN	Green	PMU256C	PMU256B	PMU256A		PMSH256P		PMSH256M	
DRAIN	Yellow	PMU550C	PMU550B	PMU550A		PMSH550P		PMSH550M	PMPC550H
DRAIN WATER	Green	PMU257C		PMU257A					
DRINKING WATER	Green		PMU259B	PMU259A					
EFFLUENT	Yellow			PMU551A	PMU551G			PMSH551M	
ELECTRIC TRACED	Yellow		PMU262B	PMU262A					
ENGINE OIL	Yellow		PMU263B						
EXHAUST	Yellow	PMU268C	PMU268B	PMU268A	PMU268G				
EXHAUST AIR	Blue			PMU269A					
EXHAUST AIR	Yellow		PMU996B	PMU996A					
EXHAUST STEAM	Yellow		PMU271B						
FEED	Green			PMU272A	PMU272G				
FILTERED WATER	Green		PMU16B	PMU16A		PMSH16P	PMSH16N	PMSH16M	PMPC16H
FIRE AUTO SPRINKLERS	Red								PMPC713H
FIRE DRY STANDPIPE	Red		PMU274B	PMU274A					
FIRE MAIN	Red		PMU275B	PMU275A	PMU275G				
FIRE PROTECTION	Red		PMU276B	PMU276A				PMSH276M	
FIRE PROTECTION WATER	Red	PMU71C	PMU71B	PMU71A	PMU71G	PMSH71P	PMSH71N	PMSH71M	PMPC71H
FIRE WATER	Red		PMU85B					PMSH85M	
FLOOR DRAIN	Green		PMU277B						
FREON	Green	PMU806C	PMU806B						
FREON GAS	Yellow	PMU280C							
FREON LIQUID	Yellow	PMU281C							
FRESH WATER	Green		PMU17B						
FUEL GAS	Yellow	PMU282C	PMU282B	PMU282A					
FUEL OIL	Yellow		PMU81B	PMU81A	PMU81G	PMSH81P	PMSH81N	PMSH81M	PMPC81H
FUEL OIL #2	Yellow			PMU283A					
FUEL OIL RETURN	Yellow	PMU285C	PMU285B						
FUEL OIL SUPPLY	Yellow	PMU287C	PMU287B						
FUEL OIL VENT	Yellow		PMU288B						
GAS	Yellow	PMU289C	PMU289B	PMU289A	PMU289G	PMSH289P	PMSH289N	PMSH289M	
GASOLINE	Yellow		PMU78B	PMU78A	PMU78G	PMSH78P	PMSH78N		
GLYCOL	Yellow		PMU291B	PMU291A					
GLYCOL RETURN	Yellow		PMU292B	PMU292A	PMU292G				
GLYCOL SUPPLY	Yellow		PMU293B	PMU293A	PMU293G				
GREEN LIQUOR	Yellow		PMU18B						
HALON	Red		PMU296B	PMU296A					
HALON SYSTEMS	Red		PMU297B						
HEATING RETURN	Yellow		PMU301B	PMU301A					
HEATING STEAM	Yellow		PMU302B	PMU302A					
HEATING SUPPLY	Yellow		PMU303B	PMU303A					
HEATING WATER	Yellow			PMU304A					
HEATING WATER RETURN	Yellow		PMU305B	PMU305A	PMU305G	PMSH305P	PMSH305N	PMSH305M	PMPC305H

*Yellow and orange markers have a black legend, all other markers have a white legend

Pipe Markers by Legend (cont.)

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
HEATING WATER SUPPLY	Yellow		PMU306B	PMU306A	PMU306G	PMSH306P	PMSH306N	PMSH306M	PMPC306H
HELIUM	Blue	PMU307C	PMU307B						
HELIUM	Green	PMU807C	PMU807B						
HELIUM	Brown	PMU950C	PMU950B						
HIGH PRESSURE	Yellow	PMU308C	PMU308B						
HIGH PRESSURE AIR	Yellow	PMU309C	PMU309B	PMU309A	PMU309G				
HIGH PRESSURE GAS	Yellow		PMU310B	PMU310A					
HIGH PRESSURE NATURAL GAS	Yellow		PMU311B						
HIGH PRESSURE NITROGEN	Yellow		PMU312B						
HIGH PRESSURE STEAM	Yellow		PMU87B	PMU87A	PMU87G	PMSH87P	PMSH87N	PMSH87M	PMPC87H
HIGH PRESSURE WATER	Yellow			PMU315A					
HIGH TEMP. HOT WATER	Yellow		PMU316B						
HOT	Yellow	PMU318C	PMU318B	PMU318A					
HOT GAS	Yellow		PMU323B	PMU323A					
HOT WATER	Yellow	PMU59C	PMU59B	PMU59A	PMU59G	PMSH59P	PMSH59N	PMSH59M	PMPC59H
HOT WATER RECIRCULATION	Yellow		PMU808B						
HOT WATER RETURN	Yellow		PMU73B	PMU73A	PMU73G			PMSH73M	
HOT WATER SUPPLY	Yellow		PMU72B	PMU72A	PMU72G	PMSH72P	PMSH72N	PMSH72M	
HVAC SUPPLY	Yellow			PMU840A					
HYDRAULIC LINE	Yellow		PMU328B						
HYDRAULIC OIL	Yellow					PMSH329P			
HYDRAULIC RETURN	Yellow		PMU330B	PMU330A					
HYDRAULIC SUPPLY	Yellow		PMU331B	PMU331A					
HYDROCHLORIC ACID	Yellow			PMU19A					
HYDROGEN	Yellow	PMU102C	PMU102B	PMU102A		PMSH102P			
HYDROGEN CHLORIDE	Yellow	PMU723C							
INDUSTRIAL WASTE	Green		PMU334B	PMU334A					
INDUSTRIAL WATER	Green	PMU337C	PMU337B	PMU337A					
INERT GAS	Blue		PMU338B						
INLET	Green		PMU339B						
INLET	Yellow		PMU844B	PMU844A					
INSTRUMENT AIR	Blue	PMU91C	PMU91B	PMU91A	PMU91G	PMSH91P			
INSTRUMENT AIR	Yellow	PMU845C	PMU845B	PMU845A		PMSH845P	PMSH845N		
INSTRUMENT AIR	Green	PMU846C	PMU846B	PMU846A					
KEROSENE	Yellow			PMU342A					
LIME	Green		PMU343B						
LIQUID NITROGEN	Yellow	PMU345C	PMU345B						
LOW PRESS. CONDENSATE	Yellow		PMU349B						
LOW PRESS. NATURAL GAS	Yellow			PMU351A					
LOW PRESSURE	Green		PMU348B	PMU348A					
LOW PRESSURE GAS	Yellow		PMU350B	PMU350A					
LOW PRESSURE STEAM	Yellow		PMU353B	PMU353A	PMU353G	PMSH353P		PMSH353M	PMPC353H
LUBE OIL	Yellow		PMU82B	PMU82A					
MAKE-UP WATER	Green		PMU24B	PMU24A	PMU24G				

*Yellow and orange markers have a black legend, all other markers have a white legend

See page 66 for marker size, material and packaging information.
Most commonly used parts appear in **BOLD**.

Pipe Markers by Legend (cont.)

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
MEDICAL AIR	Yellow	PMU951C	PMU951B	PMU951A					
MEDICAL VACUUM	Blue	PMU367C	PMU367B	PMU367A					
MEDICAL VACUUM	White	PMU952C	PMU952B	PMU952A					
MEDIUM PRESSURE STEAM	Yellow		PMU373B	PMU373A	PMU373G				
METHANE GAS	Yellow	PMU601C							
METHANOL	Yellow		PMU374B						
MILL WATER	Green		PMU26B					PMSH26M	
MIXED GAS	Yellow		PMU852B						
NATURAL GAS	Yellow	PMU66C	PMU66B	PMU66A	PMU66G	PMSH66P	PMSH66N	PMSH66M	
NITRIC ACID	Yellow		PMU97B						
NITROGEN	Blue	PMU70C	PMU70B	PMU70A	PMU70G	PMSH70P			
NITROGEN	Green	PMU750C	PMU750B	PMU750A		PMSH750P			
NITROGEN	Yellow		PMU751B	PMU751A		PMSH751P		PMSH751M	
NITROGEN	Black	PMU953C	PMU953B						
NITROGEN TRIFLUORIDE	Yellow	PMU755C							
NITROUS OXIDE	Yellow	PMU809C							
NITROUS OXIDE	Blue	PMU854C	PMU854B						
NON-POTABLE WATER	Yellow	PMU75C	PMU75B	PMU75A	PMU75G			PMSH75M	
OIL	Yellow	PMU79C	PMU79B	PMU79A	PMU79G	PMSH79P			
OUTLET	Green		PMU382B						
OUTLET	Yellow		PMU855B	PMU855A					
OVERFLOW	Green		PMU384B	PMU384A					
OVERFLOW	Yellow		PMU760B	PMU760A					
OXYGEN	Green	PMU857C	PMU857B	PMU857A					
OXYGEN	Yellow	PMU96C	PMU96B						
PEROXIDE	Yellow		PMU28B	PMU28A					
PHOSPHINE	Yellow	PMU919C							
PLANT AIR	Blue	PMU101C	PMU101B	PMU101A	PMU101G	PMSH101P		PMSH101M	
PLANT WATER	Green		PMU388B						
PLUMBING VENT	Green		PMU389B						
POLYMER	Yellow		PMU561B	PMU561A					
POLYMER	White		PMU858B						
POLYMER SOLUTION	Yellow		PMU859B						
POTABLE WATER	Green	PMU76C	PMU76B	PMU76A		PMSH76P		PMSH76M	
PRIMARY	Yellow		PMU395B						
PRIMARY	Green		PMU860B						
PRIMARY SLUDGE	Yellow			PMU396A	PMU396G				
PROCESS	Yellow		PMU397B	PMU397A					
PROCESS SEWER	Green			PMU402A					
PROCESS WATER	Green		PMU30B	PMU30A	PMU30G			PMSH30M	PMPC30H
PROCESS WATER	Yellow		PMU811B	PMU811A					
PROPANE GAS	Yellow	PMU404C	PMU404B						
PUMP	Yellow		PMU405B						
R-12 REFRIGERANT	Yellow		PMU412B	PMU412A					
R-22 REFRIGERANT	Yellow		PMU413B						
RAIN WATER	Green		PMU812B						
RAW WATER	Green			PMU32A					
RECIRCULATED	Yellow		PMU407B						
REFRIGERANT	Yellow			PMU411A					

*Yellow and orange markers have a black legend, all other markers have a white legend

Pipe Markers by Legend (cont.)

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
REFRIGERANT DISCHARGE	Yellow			PMU414A					
REFRIGERANT LIQUID	Yellow	PMU415C							
REFRIGERANT SUCTION	Yellow		PMU416B	PMU416A					
REFRIGERATION	Green		PMU418B						
RELIEF	Yellow		PMU863B						
RETURN	Green	PMU63C	PMU63B	PMU63A	PMU63G	PMSH63P	PMSH63N	PMSH63M	PMPC63H
RETURN	Yellow	PMU64C	PMU64B	PMU64A	PMU64G	PMSH64P			
RETURN	Blue		PMU423B	PMU423A					
RETURN	Red		PMU865B	PMU865A					
RETURN ACTIVATED SLUDGE	Yellow			PMU889A	PMU889G				
RIVER WATER	Green		PMU425B						
ROOF DRAIN	Green		PMU426B	PMU426A	PMU426G	PMSH426P	PMSH426N	PMSH426M	PMPC426H
SALT WATER	Green		PMU866B						
SANITARY DRAIN	Green		PMU427B	PMU427A					
SANITARY SEWER	Green		PMU428B	PMU428A	PMU428G	PMSH428P	PMSH428N	PMSH428M	
SCUM	Yellow			PMU868A	PMU868G				
SCUM	Gray		PMU867B						
SEAL WATER	Green		PMU34B						
SECONDARY	Green		PMU435B						
SECONDARY	Yellow		PMU869B						
SERVICE AIR	Blue		PMU436B	PMU436A					
SEWAGE	Green		PMU438B	PMU438A					
SEWAGE	Yellow		PMU871B	PMU871A					
SEWER	Green		PMU439B						
SLUDGE	Yellow		PMU872B	PMU872A	PMU872G				
SLURRY	Green			PMU442A					
SOFT WATER	Green		PMU449B	PMU449A					
SOFTENED WATER	Green		PMU527B						
SOLVENT	Yellow	PMU450C		PMU450A					
SPRINKLER	Red	PMU454C	PMU454B	PMU454A					
SPRINKLER FIRE	Red		PMU455B	PMU455A					
SPRINKLER WATER	Red		PMU74B	PMU74A	PMU74G			PMSH74M	
STEAM	Yellow	PMU68C	PMU68B	PMU68A	PMU68G			PMSH68M	PMPC68H
STEAM CONDENSATE	Yellow							PMSH94M	
STEAM RETURN	Yellow		PMU472B	PMU472A					
STEAM SUPPLY	Yellow		PMU93B	PMU93A				PMSH93M	
STOCK	Green		PMU474B						
STORM DRAIN	Green			PMU475A	PMU475G				
SUCTION	Green		PMU479B						
SULFURIC ACID	Yellow		PMU42B	PMU42A	PMU42G	PMSH42P	PMSH42N	PMSH42M	PMPC42H
SULFUR DIOXIDE GAS	Yellow		PMU876B						
SULFUR DIOXIDE LIQUID	Yellow		PMU877B						
SULFUR DIOXIDE SOLUTION	Yellow		PMU878B						
SULFUR HEXAFLUORIDE	Yellow	PMU928C							
SUMP PUMP DISCHARGE	Green		PMU482B	PMU482A					
SUPERNATANT	Yellow		PMU879B						

*Yellow and orange markers have a black legend, all other markers have a white legend

See page 66 for marker size, material and packaging information.
Most commonly used parts appear in **BOLD**.

Pipe Markers by Legend (cont.)

Legend	Back-ground Color*	PMU Pressure Sensitive				PMSH Snap-On			PMPC Strap-On
		Size C 0.75" or Less Pipe O.D.	Size B 0.75" - 2.50" Pipe O.D.	Size A 2.50" - 8.00" Pipe O.D.	Size G 6.00" + Pipe O.D.	Size P 0.50" - 2.25" Pipe O.D.	Size N 2.25" - 4.00" Pipe O.D.	Size M 4.00" - 8.00" Pipe O.D.	Size H 8.00" + Pipe O.D.
SUPPLY	Green	PMU61C	PMU61B	PMU61A	PMU61G	PMSH61P	PMSH61N	PMSH61M	PMPC61H
SUPPLY	Yellow	PMU62C	PMU62B	PMU62A	PMU62G	PMSH62P			
SUPPLY	Blue		PMU880B	PMU880A					
SUPPLY	Red		PMU881B	PMU881A					
TANK DRAIN	Green		PMU484B						
TEMPERED WATER	Green		PMU485B						
TETRAFLUOROMETHANE	Yellow	PMU929C							
THICKENED ACTIVATED SLUDGE	Yellow			PMU890A	PMU890G				
TOULENE	Yellow		PMU553B						
TOWER WATER	Green		PMU486B	PMU486A	PMU486G				
TOWER WATER RETURN	Green		PMU487B	PMU487A	PMU487G				
TOWER WATER SUPPLY	Green		PMU488B	PMU488A	PMU488G				
TRANSFER	Yellow			PMU891A	PMU891G				
TREATED WATER	Green		PMU44B	PMU44A	PMU44G				
TRICHLOROETHYLENE	Yellow		PMU554B						
TRICHLORSILANE	Yellow	PMU792C							
TUNGSTEN	Yellow	PMU932C							
UNBLEACHED STOCK	Yellow		PMU45B						
VACUUM	Yellow	PMU88C	PMU88B	PMU88A	PMU88G	PMSH88P	PMSH88N	PMSH88M	PMPC88H
VACUUM	Green	PMU814C	PMU814B	PMU814A			PMSH814N		
VAPOR	Yellow			PMU884A					
VENT	Green	PMU555C	PMU555B	PMU555A	PMU555G	PMSH555P	PMSH555N	PMSH555M	PMPC555H
VENT	Blue		PMU506B						
VENT	Yellow	PMU556C	PMU556B	PMU556A		PMSH556P	PMSH556N	PMSH556M	PMPC556H
WARM WATER	Green			PMU47A					
WASTE	Green		PMU508B	PMU508A					
WASTE	Yellow	PMU815C	PMU815B	PMU815A					
WASTE ACTIVATED SLUDGE	Yellow			PMU885A	PMU885G				
WASTE WATER	Yellow			PMU48A					
WASTE WATER	Green		PMU816B	PMU816A					
WATER	Green	PMU84C	PMU84B	PMU84A	PMU84G	PMSH84P	PMSH84N	PMSH84M	PMPC84H
WATER	Yellow	PMU798C	PMU798B	PMU798A					
WEAK BLACK LIQUOR	Yellow		PMU49B						
WELL WATER	Green		PMU535B	PMU535A					
WHITE WATER	Yellow	PMU53C	PMU53B						

*Yellow and orange markers have a black legend, all other markers have a white legend

See page 66 for marker size, material and packaging information.
Most commonly used parts appear in **BOLD**.

Panduit Corp. Generic Pipe Marker Order Form

One Form per Generic Marker Option

Fax orders to Panduit Corp. - Identification Products Division, Attn. Customer Service (770-889-9264).
Generic Markers are Non-Returnable

Date: _____
From: _____
Telephone #: _____
End-User: _____
_____
_____
Telephone #: _____
Account #: _____

Panduit Sales Rep: _____
Distributor: _____
_____
_____
_____
Distributor Contact: _____
Telephone #/Fax #: _____
Account #: _____

Generic PMU, PMSH and PMPC Pipe Marker Options

PMU SIZE A

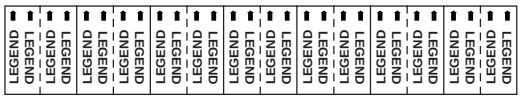
PMU SIZE G

PMSH SERIES

PMPC SERIES

PMU SIZE B

PMU SIZE C



Select the Generic Pipe Marker Part Number and Quantity:

Color Combin.	PMU Series Adhesive Size C 3/4" or Less Pipe OD	Size B 3/4" - 2 1/2" Pipe OD	Size A 2 1/2" - 6" Pipe OD	Size G 6" + Pipe OD
Blk on Yell	GPMU-CY	GPMU-BY	GPMU-AY	GPMU-GY
Wht on Grn	GPMU-CG	GPMU-BG	GPMU-AG	GPMU-GG
Wht on Blue	GPMU-CB	GPMU-BB	GPMU-AB	GPMU-GB
Wht on Red	GPMU-CR	GPMU-BR	GPMU-AR	GPMU-GR
Blk on Org	GPMU-CO	GPMU-BO	GPMU-AO	GPMU-GO
Blk on Wht	---	---	---	---

GPMU parts must be ordered in multiples of 5

PMSH Series Snap-on Size P 1/2" - 2 1/4" Pipe OD	Size N 2 1/4" - 4" Pipe OD	Size M 2 1/2" - 8" Pipe OD	PMPC Series Strap-on Size H 8" + Pipe OD
GPMSH-PY	GPMSH-NY	GPMSH-MY	GPMPC-HY
GPMSH-PG	GPMSH-NG	GPMSH-MG	GPMPC-HG
GPMSH-PB	GPMSH-NB	GPMSH-MB	GPMPC-HB
GPMSH-PR	GPMSH-NR	GPMSH-MR	GPMPC-HR
GPMSH-PO	GPMSH-NO	GPMSH-MO	GPMPC-HO
GPMSH-PW	GPMSH-NW	GPMSH-MW	GPMPC-HW

GPMSH & GPMPC* parts ordered by the piece

Quantity Per Legend Per Size (min. of 10): _____ **Part Number:** _____

Print Legend Required:

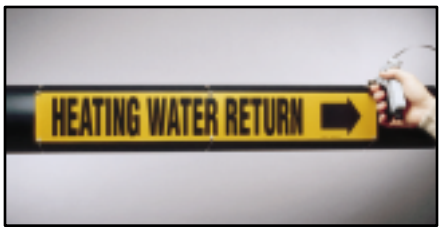
Legend to fit on one line. Max 19 characters (including spaces)

All generic pipe markers conform to ANSI A13.1 - 1981 color, size and character height specifications.

____ **Artwork approval required (**Panduit reserves the right to assign approval when necessary)
____ Use double arrow for directional flow.

For Pricing and Lead Time Information, Contact Customer Service at 888-506-5400, ext. 1777.

Form: ID-0167 **Approved by MD** ____ **3MAR99** **Property of Panduit Corp.**



PAN-STEEL™ Self Locking Stainless Steel Ties

- Designed for superior comfort and safety when handling due to their fully radiused sides and smooth surfaces
- Can be used in virtually all indoor and outdoor applications including most severe environments. The **PAN-STEEL** system is available in natural stainless steel.
- A complete line of tension controlled tools for proper tensioning and cut-off of all Panduit Stainless Steel Ties is available (see below)
- All Panduit Stainless Steel Ties are non-magnetic

Part Number	Pipe Outside Diameter In. (mm)	Tie Width In. (mm)	Approx. Length In. (mm)	Tension Controlled Tool Setting (GS4MT)	Std. Pkg.*
MLT8S-CP	Up to 8 (203)	0.18 (4.4)	27 (680)	Std,	100
MLT10S-CP	8 - 10 (203 - 254)	0.18 (4.6)	33 (838)	Std.	100
MLT15S-CP	8 - 15 (203 - 381)	0.18 (4.6)	50 (1270)	Std.	25

*Order the number of ties required in multiples of Std. Pkg.
AISI 316 Stainless Steel Ties also available. Contact factory for details.

Custom Length Steel Banding System

- Stainless Steel Banding System provides ties for any size pipe diameter
- To use, extract as much banding as needed, cut off with Panduit GS4MT tool and CAMT accessory (or with shears) and install with MTHS (self locking head)

Part Number	Description	Tension Controlled Tool Setting	Std. Pkg.*
Continuous Banding			
MBS-TLR	0.18" (4.4 mm) wide banding supplied on reels	Std.	250′ (76 m)
Self-Locking Heads			
MTHS-C	Individual Locking Heads	Std.	100 heads

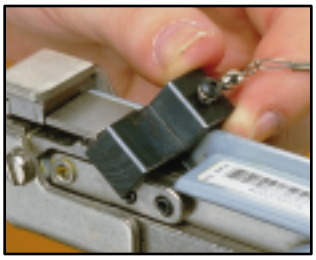
MBS-TLR Banding - Std. Pkg. = 250ft. reel. Order the number of reels required.
MTHS-C Heads - Std. Pkg. = 100 pcs. Order the number of pcs. required in multiples of Std. Pkg.
AISI 316 Stainless Steel Banding also available. Contact factory for details.

Installation Tooling for PAN-STEEL Stainless Steel Ties and Custom Length Steel Banding System

sgs4mt

GS4MT

- Automatically tensions and cuts off tie flush when predetermined tension is reached
- One hand operation, lightweight
- Easy removal of excess tie tail
- Installs both standard and heavy cross section ties



CAMT

- This accessory is used with the GS4MT tool to cut continuous banding system (MBS). This accessory drops into the tool for use. Attaches to the tool with supplied lanyard.

ST2MT

- Economical
- Plier type design provides a mechanical advantage
- Tensioning is controlled by the installer
- Flush cut is made by twisting the tool
- Installs both standard and heavy cross section ties

HTMT

- Very economical
- Coiled band end, which remains after tensioning, assures a safe end
- Specially adapted screwdriver type tool is used to tension standard and heavy cross section ties
- Manual tension, no cut-off

ANSI Color Coded Arrow Tape

Liner Mounted Tape

- Made from durable AT Outdoor Polyethylene to meet the requirements of CONEG January 1, 1992

2" (51 mm) Width Part Number	4" (102 mm) Width Part Number	Color (Arrow/Background)	Roll Length	Std. Pkg.*
AT2Y	**AT4Y**	Black/Yellow	30 Yards (27 m)	1 Roll
AT2B	**AT4B**	White/Blue		
AT2R	**AT4R**	White/Red		
AT2G	**AT4G**	White/Green		

*Order number of rolls required in multiples of Std. Pkg.

Self-Wound Tape

- Made of durable GMV6 Vinyl for indoor use

2" (51 mm) Width Part Number	Color (Arrow/Background)	Roll Length	Std. Pkg.*
HT2A-BLK-YEL	Black/Yellow	18 Yards (16 m)	1 Roll
HT2A-WHT-BLU	White/Blue		
HT2A-WHT-RED	White/Red		
HT2A-WHT-GRN	White/Green		

*Order number of rolls required in multiples of Std. Pkg.

Pressure Sensitive Arrow Markers

- Identify directional flow of pipe contents
- Made from heavy duty material for indoor/outdoor applications
- Match the size and color of the legends for a standardized pipe marking system

Pipe Outside Diameter Range In. (mm)	Arrow Height In. (mm)	Marker Size In. (mm)	Mkrs/ Card	ANSI Background Color			
				Yellow	Green	Blue	Red
0.75 - 2.13 (19 - 54)	0.75 (19)	1.13 x 7.00 (28 x 178)	4	**PMUY-SARO-B**	**PMUG-SARO-B**	**PMUB-SARO-B**	**PMUR-SARO-B**
2.25 - 6.00 (57 - 152)	2.00 (51)	2.25 x 14.00 (57 x 356)	1	**PMUY-SARO-A**	**PMUG-SARO-A**	**PMUB-SARO-A**	**PMUR-SARO-A**

Std. Pkg. = 5 Cards. Order the number of cards required in multiples of Std. Pkg.

ANSI Color Coded Banding Tape - Solid Color

Liner Mounted Tape

- Made from durable BT Outdoor Polyethylene to meet the requirements of CONEG January 1, 1992

2″ (51 mm) Width Part Number	4″ (102 mm) Width Part Number	Background Color	Roll Length	Std. Pkg.*
BT2Y	**BT4Y**	Yellow	30 Yards (27 m)	1 Roll
BT2B	**BT4B**	Blue		
BT2R	**BT4R**	Red		
BT2G	**BT4G**	Green		
BT2O	**BT4O**	Orange		

*Order number of rolls required in multiples of Std. Pkg.

Tape Requirement Guide for 30 Yard (27 m) Rolls

Pipe Outside Diameter In. (mm)	Maximum Number of Wraps Per Roll
1 (25)	327
2 (51)	164
3 (76)	109
4 (102)	82
5 (127)	65

Pipe Outside Diameter In. (mm)	Maximum Number of Wraps Per Roll
6 (152)	55
7 (178)	47
8 (203)	41
9 (229)	36
10 (254)	33

Create Your Own Pipe Markers

- Use ***PAN-ALIGN*** ™ Die Cut Numbers, Letters and Directional Arrows on *page 20* to create your own custom pipe markers
- Choose the blank background marker to meet your specific color and identification requirements

Pipe Marker Background Color	For Pipe O.D. Range			
	Under 0.75 (19)	0.75 - 2.25 (19 - 57)	2.50 - 6.00 (64 - 152)	Over 6.00 (152)
Blue	**PMU804C**	**PMU804B**	**PMU804A**	—
Gray	—	**PMU825B**	**PMU825A**	**PMU825G**
Green	**PMU55C**	**PMU55B**	**PMU55A**	**PMU55G**
Orange	**PMU803C**	**PMU803B**	**PMU803A**	**PMU803G**
Purple	—	**PMU826B**	**PMU826A**	**PMU826G**
Red	**PMU56C**	**PMU56B**	**PMU56A**	**PMU56G**
Yellow	**PMU54C**	**PMU54B**	**PMU54A**	**PMU54G**
White	**PMU57C**	**PMU57B**	**PMU57A**	**PMU57G**
Markers/Card	7	4	1	1

Std. Pkg. = One card. Order the number of cards required.

To Use:

1. Select the size of the PMU marker.
2. Select part number of the blank marker-ANSI background color required.
3. Select the kit or markers on *page 20* to be used. (Letters, Numbers and Arrows)

How to Install Snap-On Pipe Markers

1.Spring open desired pipe marker.

2.Wrap marker around the pipe. The marker will completely encircle the pipe for 360° visibility. Be sure the directional flow arrows are pointed in the proper direction.

3.Finish by peeling off the adhesive liner from the clear tape and secure the tape to the marker.

How to Install Strap-On Pipe Markers

1.Thread tie over the edge and thru the hole of the marker. Proceed threading under the marker, thru the opposite hole, then over the edge of the marker.

2.Place the marker against the pipe. Be sure the directional flow arrows are pointed in the proper direction.

3.Secure strap snugly around the pipe, tension and cut the tie using Panduit recommended tool.

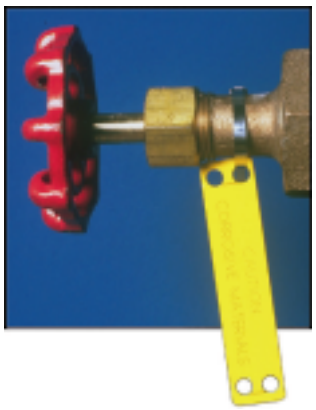
How to Install Pressure Sensitive Pipe Markers

1.Clean the pipe with an appropriate cleaner and allow to dry.

2.Separate the pipe marker from the liner.

3.Apply the marker to the pre-cleaned area of the pipe.

Marker Plates, Marker Tags and Valve Tags



- Designed to meet ANSI A13.1 Sect. 3.1 for identification of materials in pipes of less than 0.75" (19 mm) in diameter and for valve and fitting identification. Marker plates and tags can be marked by hand with an electric pencil engraver or indented or embossed to provide permanent identification for harsh environments. Contact factory.
- Stainless steel, brass, aluminum, anodized aluminum and colored stainless steel are available.
- Fasten to valve with ***PAN-STEEL***™ Stainless Steel Ties, brass "S" hook, jack chain or beaded chain found on page 81.
- See pages 81 and 82 for a variety of Panduit Marking Systems designed to identify all Panduit Stainless Steel, Brass or Aluminum products featured in this catalog.
- All metal products can be custom marked by Panduit on one of three computer controlled systems. See page 81 for details.
- Panduit stainless steel, brass, aluminum marker plates and tags are used to tag equipment and identify cables, pipes, hoses and conduit.

Stainless Steel Marker Plates

Part Number	W x L In. (mm)	Material	Std. Pkg.*
MMP350-C	0.75 x 3.50 (19 x 89)	304 Stainless	100 Pieces
MMP350-C316	0.75 x 3.50 (19 x 89)	316 Stainless	
MMP350W38-C	0.38 x 3.50 (10 x 89)	304 Stainless	
MMP350W38-C316	0.38 x 3.50 (10 x 89)	316 Stainless	
MMP172-C	0.75 x 1.72 (19 x 44)	304 Stainless	
MMP172-C316	0.75 x 1.72 (19 x 44)	316 Stainless	
MMP172W38-C	0.38 x 1.72 (10 x 44)	304 Stainless	
MMP172W38-C316	0.38 x 1.72 (10 x 44)	316 Stainless	

*Order the number of pieces required in multiples of Std. Pkg.

Color-coated stainless steel plates in 8 colors are used to tag equipment, identify cables, bundles and tags.

Color-Coated Stainless Steel Marker Plates

Part Number	W x L In. (mm)	Material*	Color	Std. Pkg.*
MT350-Q0	0.75 x 3.50 (19 x 89)	304 Stainless w/powder coating	Black	25 Pieces
MT350-Q1			Brown	
MT350-Q2			Red	
MT350-Q4			Yellow	
MT350-Q5			Green	
MT350-Q6			Blue	
MT350-Q10			White	
MT350-Q49			Gold	

*Order the number of pieces required in multiples of Std. Pkg.
-316 Stainless Steel available, contact factory for details on minimum order quantities.
Above tags are provided with 0.25" (6.4 mm) hole.

Anodized Aluminum Marker Plates

Part Number	W x L In. (mm)	Material	Color	Std. Pkg.*
AP350W06-Q0	1.06 x 3.50 (27 x 89)	Anodized Aluminum	Black	25 Pieces
AP350W06-Q1			Brown	
AP350W06-Q2			Red	
AP350W06-Q5			Green	
AP350W06-Q6			Blue	
AP350W06-Q49			Gold	

*Order the number of pieces required in multiples of Std. Pkg.

Stainless Steel and Brass Valve Tags

- Used with ***PAN-STEEL***™ Stainless Steel Cable Ties. Refer to ***PAN-STEEL*** System Catalog SA101N16G for additional product listings.

MT350-C

MT338W21-Q

MMP338W21-Q

MT125B-Q

MT1D-Q

MT1S-Q

MT206W119A-Q

AP350HW86-C

Part Number	W x L In. (mm)	Material	Std. Pkg.*
MT350-C	0.75 x 3.50 (19 x 89)	304 Stainless	100
MT350-C316		316 Stainless	100
MT172-C	0.75 x 1.72 (19 x 44)	304 Stainless	100
MT172-C316		316 Stainless	100
MT172W38-C	0.38 x 1.72 (10 x 44)	304 Stainless	100
MT172W38-C316		316 Stainless	100
MT350W38-C	0.38 x 3.50 (10 x 89)	304 Stainless	100
MT350W38-C316		316 Stainless	100
MT338W21-Q	2.13 x 3.38 (54 x 86)	304 Stainless	25
MTB338W21-Q		Brass	25
MT350W17-Q	1.73 (44) x 3.50 (88.9)	304 Stainless	25
MTB350W17-Q		Brass	25
MMP338W21-Q	2.13 (54) x 3.38 (86)	304 Stainless	25
MMPB338W21-Q		Brass	25
MMP350W17-Q	1.73 x 3.50 (44 x 89)	304 Stainless	25
MMPB350W17-Q		Brass	25
MT125B-Q	1.25 (32) Octagon	304 Stainless	25
MTB125B-Q		Brass	25
MT150B-Q	1.50 (38) Octagon	304 Stainless	25
MTB150B-Q		Brass	25
MT1D-Q	1.00 (25) Circular	304 Stainless	25
MTB1D-Q		Brass	25
MT150D-Q	1.50 (38) Circular	304 Stainless	25
MTB150D-Q		Brass	25
MT213D-Q	2.13 (54) Circular	304 Stainless	25
MTB213D-Q		Brass	25
MT1S-Q	1.00 x 1.00 (25 x 25) Square	304 Stainless	25
MTB1S-Q		Brass	25
MT125S-Q	1.25 x 1.25 (32 x 32) Square	304 Stainless	25
MTB125S-Q		Brass	25
MTB136S-Q	1.36 x 1.36 (34 x 34) Square	Brass	25
MT206W119A-Q	1.19 x 2.06 (30 x 52) Dog Tag	304 Stainless	25
MTB206W119A-Q		Brass	25
AP350HW86-C	0.86 x 35.0 (22 x 89)	Aluminum	100

*Order the number of pieces required in multiples of Std. Pkg.
All above tags except AP350HW86-C are designed with (1) 0.25" (6.4mm) diameter hole.

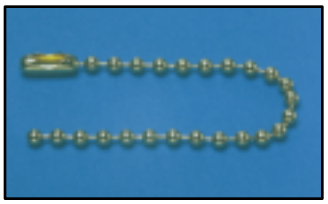
Valve Tag Accessories

"S" Hook

Part Number	Overall Length In. (mm)	Wire Diameter In. (mm)	Std. Pkg.*
MSH162-C	1.63 (41)	0.10 (2.7)	100
MSH150-C	1.50 (38)	0.10 (2.7)	100
MSH125-C	1.25 (32)	0.12 (2.7)	100

*Order the number of hooks required in multiples of Std. Pkg.

Valve Tag Accessories (cont.)



Beaded Chain

Part Number	Description	Material	Std. Pkg.*
MCB4-C	Extremely flexible 4.50" (114 mm) bead chain with locking link; Chain is #6, 1/8" (3.2 mm) bead diameter	Solid Brass	100
MCN4-C		Nickel Plated Steel	100

Order the number of chains required in multiples of Std. Pkg.

Computer Controlled Custom Marking Service

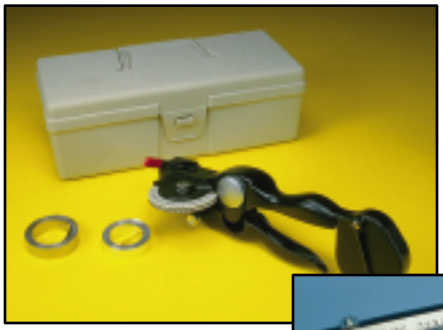
All Panduit Metal Products and PSL-11 High Security Anodized Aluminum Locks* found on *page 34* can be custom marked by one of two computer controlled systems.

- Sharp, crisp high quality legends
- Sequential numbers for serialization
- Bar coding capability on selected colored tags. (Laser System Only)
- Computer controlled Embosser and Laser Marking Systems
- See *page 37* for custom marking order form
- Contact factory for further details

*Anodized Aluminum Locks cannot be embossed

Marking Systems

Panduit offers a variety of marking systems to accommodate all of your identification needs. From low to high volume marking, these systems provide versatility and convenience.



MEHT Embosser

- Embosses 0.19" (5 mm) characters onto rolls of stainless steel or aluminum tape
- Kit includes hand operated embosser, roll of stainless steel and aluminum tape, and carrying case
- Tool punches a single 0.19" (5 mm) diameter hole (for std. cross section tie) or a series of holes for wider cross-section sizes
- Can be used with ***PAN-STEEL***™ ties as a flag or a marker

Part Number	Description	Std. Pkg.*
MEHT	Tool Kit	1 Kit
META-X	0.50" x 16' (13 mm x 5 m) aluminum	10 Rolls
METS3-X	0.50" x 21' (13 mm x 6 m) 316 stainless steel tape	
METS4-X	0.50" x 21' (13 mm x 6 m) 430 stainless steel tape	

*MEHT: Order the number of kits required
META-X, MET3S-X and METS4-X: Order the number of rolls required in multiples of Std. Pkg.

Marking Systems (cont.)

Electric Engraver

- Ideal for on the spot permanent identifications
- For use with all Panduit metal tags, ties and marker plates in this catalog

Part Number	Description	Std. Pkg.*
MET	Plug in engraving tool, requires 110 volts, 60 cycle	1
MET-DT	Diamond tip accessory for MET engraving tool	

*Order the number of tools required

STK12 Marker Stamp Kit

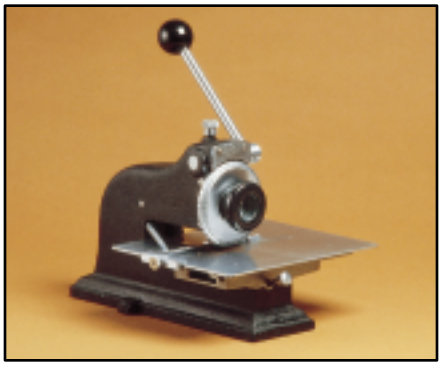
- 1/8" (3.2 mm) character height
- Contains 100 character stamps
- Holder takes up to 9 characters
- Holder and carrying case included
- The impression is made by hitting with a hammer

Characters include:

A	A	A	B	B	C	C	D	D	E	E	E	E	F	F	G	G	H	H	I
I	I	J	J	K	K	L	L	L	M	M	N	N	N	O	O	O	P	P	Q
R	R	R	S	S	S	T	T	U	U	U	V	W	W	X	X	Y	Z	&	/
/	-	-	.	.	,	,	1	1	1	1	2	2	2	2	3	3	3	4	4
4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	0	0	0

Part Number	Description	Std. Pkg.*
STK12	Marker Stamp Kit; Characters include:	1 Kit

*Order number of kits required



IMP Manual Indenter Marking Press

- With the unique interchangeable wheel feature, one press and three wheel sizes add versatility to your marking requirements
- Standard fixture holds MMP350 Series Marker Plates, MLT Series Cable Ties, and MS Series Strapping. Special fixtures may be required to position other items. Contact factory for details.
- Interchangeable wheels for 3/32" (2.4mm), 1/8" (3.2mm) or 3/16" (4.8mm) character height are available

Part Number	Description	Std. Pkg.*
IMP094	Indenter Press with 3/32" (2.4mm) wheel	1 Press
IMP125	Indenter Press with 1/8" (3.2mm) wheel	
IMP187	Indenter Press with 3/16" (4.8mm) wheel	

*Order the number of presses required (includes press, character wheel, and fixturing)

Characters include:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z & 1 2 3 4 5 6 7 8 9 0 . - /

Standout (3D) Signs

NEW

- Rigid acrylic standout sign will identify the location of locks, lockout devices and tags from any vantage point on the plant floor
- Pre-drilled holes as well as self-adhesive mounting pads and mounting screws and washers are provided for quick and easy installation

Part Number	Legend	Size In. (mm)	Color	Std. Pkg.*
PAS-EXIT	EXIT	8.75 x 15.00 (222 x 381)	Red on White	1
PAS-FIREAL	FIRE ALARM	6.00 x 8.75 (152 x 222)		
PAS-FIREEX	FIRE EXTINGUISHER			
PAS-LOTO	LOCKOUT SAFETY CENTER			

*Order number of signs required in multiples of Std. Pkg.

Facility Signs

GMM Indoor/Outdoor Sub-Surface Printed Adhesive Polyester (Type PPS)

- High quality signs for use indoors and outdoors
- Excellent resistance to UV light, chemical atmosphere, and abrasion
- Excellent life and adhesion properties
- Printed graphics are protected by clear polyester laminate

GMPE1 Indoor/Outdoor Rigid Polyethylene (Type PRS)

- Rugged signs for indoors and outdoors
- Abrasion resistant
- Used where adhesives will not work

Adhesive Polyester Part Number	Rigid Polyethylene Part Number	Width x Height In. (mm)	Signs/ Card	Std. Pkg.*
PPS0202	—	2.25 x 2.25 (57 x 57)	4	5 Cards
PPS0305	—	3.50 x 5.00 (89 x 127)	2	5 Cards
PPS0310	**PRS0310**	3.50 x 10.00 (89 x 254)	—	5 Signs
PPS0505	—	5.00 x 5.00 (127 x 127)	—	5 Signs
PPS0514	—	5.00 x 14.00 (127 x 356)	—	5 Signs
PPS0710	**PRS0710**	7.00 x 10.00 (178 x 254)	—	1 Sign
PPS1014	**PRS1014**	10.00 x 14.00 (254 x 356)	—	1 Sign
PPS1209	**PRS1209**	12.00 x 9.00 (305 x 229)	—	1 Sign
—	**PRS1420**	20.00 x 14.00 (355 x 508)	—	1 Sign

*Order number required in multiples of Std. Pkg.

PPS0710B335
PRS1014B335

PPS0710N190

PPS1014D462
PRS1014D462

PRS0710D59

PPS0710C130

PPS0710D82

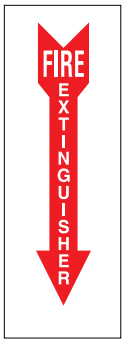
PPS0710B430
PRS0710B430

PPS0202B496

Facility Signs (cont.)

PRS1209B307

PPS1209B317
PRS1209B317



PPS0310F319
PRS0310F319

PPS0710D47

PPS0202B507

PPS0514B265

PRS1014B268

PRS1420B436

PPS0710B380
PRS0710B380

PPS0505B464

PRS1014B388

PPS0202B498

PRS1014B282

PPS0710C133

See page 46 for Lockout/Tagout legends and pages 53-55 for Electrical legends.

To order custom legend signs, refer to Custom Sign Order Forms on pages 56-57.

All tags have a write-on surface that accepts pen, pencil or marker pens. Package consists of 25 tags and 25 PLT1.5I cable ties (5.6" / 142 mm length). Available in 2 styles:

- PVT Tags: Semi-rigid plastic tags with a 0.38" (9 mm) brass grommet for greater strength and durability
- PCT Tags: Economical card stock tags for indoor or temporary use

(Unless legend for back side of tag is shown, it is indicated below tag part numbers. Legends for Style A, B or C backs are shown at bottom of page).

Part Number	Material	Size In. (mm)	Tags & Ties/ Pkg.	Std. Pkg.*
PVT-*-Q	GMV5 Semi-Rigid Plastic	3.00 x 5.75 (76 x 146)	25	1 Pkg.
PCT-*-Q	Card Stock			

*Order number of packages required in multiples of Std. Pkg.

Facility Identification Tags

PVT-38-Q
PCT-38-Q
Style A

PVT-3-Q
PCT-3-Q
Style C

PVT-199-Q
PCT-199-Q
PCT-199F-Q
Blank

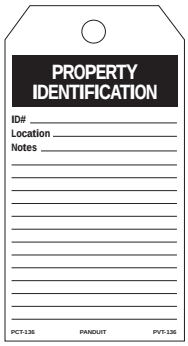
PVT-200-Q
PCT-200-Q
PCT-200F-Q
Blank

PVT-234-Q
PCT-234-Q
SEE OTHER SIDE

PVT-235-Q
PCT-235-Q
SEE OTHER SIDE

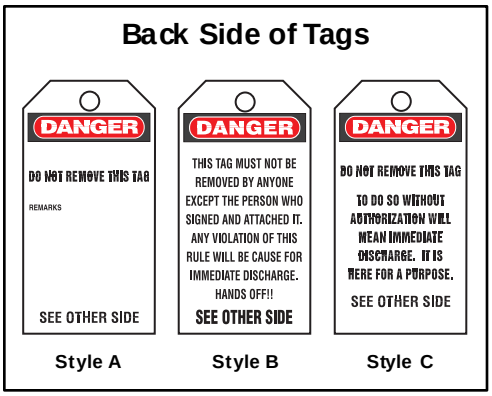
PVT-102-Q
Same as Front

PVT-101-Q
Same as Front



PVT-136-Q
PCT-136-Q
Blank

Back Side of Tags



Style A **Style B** **Style C**

Health and Safety Tags

PVT-36-Q
Style A

PCT-145-Q
PCT-145F-Q
Same as Front

PVT-18-Q
Style C

PVT-16-Q
Style C

PVT-4-Q
Style C

PVT-53-Q
Style A

Health and Safety Tags (cont.)

See page 85 for information on part number sizes and materials. Unless legend for back side of tag is shown, it is indicated below tag part numbers. Legends for Style A, B or C backs are shown on page 85.

PVT-33-Q
Style C

PVT-55-Q
PCT-55-Q
Style A

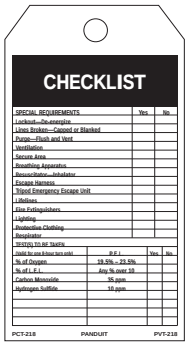
PVT-56-Q
PCT-56-Q
Style A

PVT-11-Q
Style C

PCT-215F-Q
Same as Front

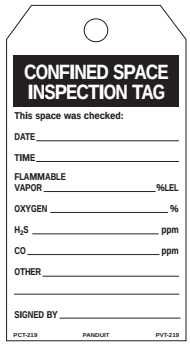
Regulatory Safety Tags

See page 85 for information on part number sizes and materials.



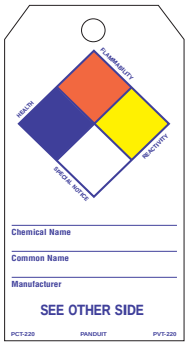
Front **Back**

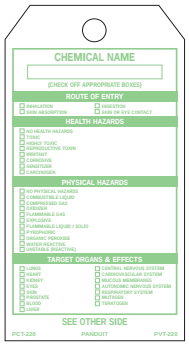
PVT-218-Q
PCT-218-Q



Front **Back**

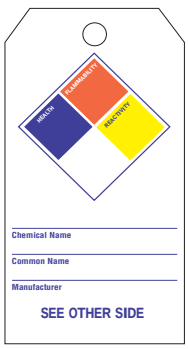
PVT-219-Q
PCT-219-Q

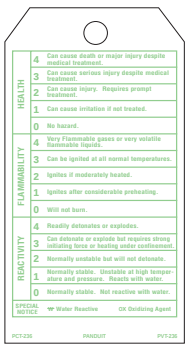




Front **Back**

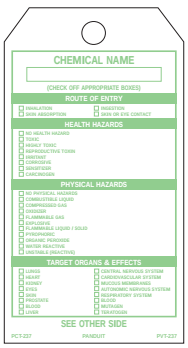
PVT-220-Q
PCT-220-Q





Front **Back**

PVT-236-Q
PCT-236-Q



Front **Back**

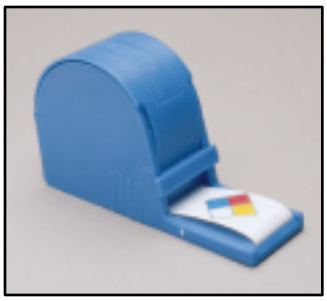
PVT-237-Q
PCT-237-Q

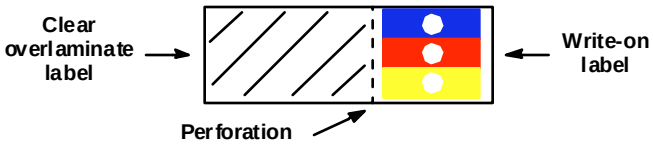
See pages 39-44 for Lockout/Tagout legends and pages 58-61 for Electrical legends.

To order custom legend tags, refer to Custom Tag Order Forms on pages 60-61.

Laminated Write-On Regulatory Labels in Dispenser

NEW





- Convenient design allows you to create custom laminated Right-To-Know labels:
  1. Write legend desired on write-on label area
  2. Remove entire label from liner
  3. Tear on perforation to separate write-on label from overlaminate label
  4. Apply write-on label to desired location
  5. Apply clear overlaminate label on top of write-on label to protect legend

Part Number	Legend	Color	Material	Write-On Label Size In. (mm)	Overlaminate Label Size In. (mm)	Label Sets/ Disp.	Std. Pkg.*
PLD-89	NFPA Diamond	Blue, Red and Yellow on White	GMV Vinyl	1.50 x 1.00 (38 x 25)	1.75 x 1.00 (44 x 25)	100	1 disp.
PLD-90	Color Bar Format						

*Order number of dispensers required in multiples of Std. Pkg.

Letters and Numbers

Choosing Letter/Number Size According to ANSI

ANSI has guidelines which specify legend height based on visibility required for readability. Use the following chart to help choose Panduit Letters and Numbers:

Character Height	Maximum Readability Distance
1" (25 mm)	40' (12 m)
2" (51 mm)	75' (23 m)
3" (76 mm)	105' (32 m)
4" (102 mm)	150' (45 m)
6" (152 mm)	300' (91 m)

Outdoor Vinyl Letters and Numbers

GMV2 Vinyl

- Designed for indoor and outdoor applications
- Available in 2 sizes

Legend	Part Number			Legend Height In. (mm)	Marker Size In. (mm	Markers/ Card	Std. Pkg.*
	Black Legend on Yellow	Black Legend on Orange	Yellow Legend on Black				
0 1 Thru 9	**PVL100BY-0 PVL100BY-1 thru PVL100BY-9**	**PVL100BO-0 PVL100BO-1 thru PVL100BO-9**	**PVL100YB-0 PVL100YB-1 thru PVL100YB-9**	1.00 (25)	0.88 x 1.50 (22 x 38)	10	25 Cards
A Thru z	**PVL100BY-A thru PVL100BY-Z**	**PVL100BO-A thru PVL100Bo-Z**	**PVL100YB-A thru PVL100YB-Z**				
—(Dash)	**PVL100BY-DSH**	**PVL100BO-DSH**	**PVL100YB-DSH**				
0 1 Thru 9	**PVL200BY-0 PVL200BY-1 thru PVL200BY-9**	**PVL200BO-0 PVL200BO-1 thru PVL200BO-9**	**PVL200YB-0 PVL200YB-1 thru PVL200YB-9**	2.00 (51)	0.88 x 2.25 (22 x 57)	10	25 Cards
A Thru z	**PVL200BY-A thru PVL200BY-Z**	**PVL200BO-A thru PVL200BO-Z**	**PVL200YB-A thru PVL200YB-Z**				
—(Dash)	**PVL200BY-DSH**	**PVL200BO-DSH**	**PVL200YB-DSH**				

*Order the number of cards required, in multiples of Std. Pkg.

Vinyl Cloth Letter and Number Marker Cards

GMC1 Vinyl Cloth

- Identify shelving, cable tray, racks, etc.
- Designed for indoor and outdoor marking

PCL025

PCL037

PCL062

PCL100

PCL200

PCL300

PCL400

PCL600

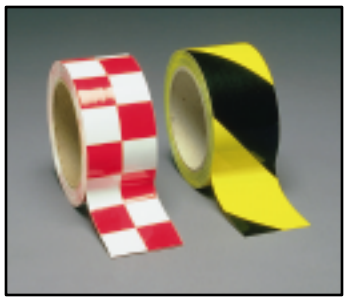
Part Number Prefix	Legend Height In. (mm)	Marker Size In. (mm)	Markers/ Card
PCL025	0.25 (6)	0.25 x 0.38 (6 x 10)	144
PCL037	0.38 (10)	0.34 x 0.75 (9 x 19)	78
PCL062	0.63 (16)	0.56 x 0.75 (14 x 19)	32
PCL100	1.00 (25)	0.88 x 1.50 (22 x 38)	10

Part Number Prefix	Legend Height In. (mm)	Marker Size In. (mm)	Markers/ Card
PCL200	2.00 (51)	0.88 x 2.25 (22 x 57)	10
PCL300	3.00 (76)	1.50 x 3.50 (38 x 89)	6
PCL400	4.00 (102)	1.75 x 5.00 (44 x 127)	5
PCL600	6.00 (152)	5.00 x 9.00 (127 x 229)	1

Legend	Part Number					Std. Pkg.*
	0.25" (6 mm) Legend	0.38" (10 mm) Legend	0.63" (16 mm) Legend	1.00" (25 mm) Legend	2.00" (51 mm) Legend	
0 1 Thru 9	**PCL025-0** **PCL025-1** **Thru** **PCL025-9**	**PCL037-0** **PCL037-1** **Thru** **PCL037-9**	**PCL062-0** **PCL062-1** **Thru** **PCL062-9**	**PCL100-0** **PCL100-1** **Thru** **PCL100-9**	**PCL200-0** **PCL200-1** **Thru** **PCL200-9**	25 Cards
0-9 3 cards ea: 1 Thru 5 2 cards ea: 6 Thru 0	**PCLCP025-0-9**	**PCLCP037-0-9**	**PCLCP062-0-9**	**PCLCP100-0-9**	**PCLCP200-0-9**	1 Pkg. (25 Cards)
–(Dash)	**PCL025-DSH**	**PCL037-DSH**	**PCL062-DSH**	**PCL100-DSH**	**PCL200-DSH**	25 Cards
Consecutive Numbers	**PCL025-0-9** **(16) ea. 0 Thru 5** **(12) ea. 6 Thru 9**	**PCL037-0-9** **(9) ea. 0 Thru 5** **(6) ea. 6 Thru 9**	**PCL062-0-9** **(4) ea. 0 & 1** **3 ea. 2 Thru 9**	**PCL100-0-9** **(1) ea. 0 Thru 9**	**PCL200-0-9** **(1) ea. 0 Thru 9**	25 Cards
A B Thru Z	**PCL025-A** **PCL025-B** **Thru** **PCL025-Z**	**PCL037-A** **PCL037-B** **Thru** **PCL037-Z**	**PCL062-A** **PCL062-B** **Thru** **PCL062-Z**	**PCL100-A** **PCL100-B** **Thru** **PCL100-Z**	**PCL200-A** **PCL200-B** **Thru** **PCL200-Z**	25 Cards
A-Z 1 Card ea: A Thru Z	**PCLCP025-A-Z**	**PCLCP037-A-Z**	**PCLCP062-A-Z**	**PCLCP100-A-Z**	**PCLCP200-A-Z**	1 Pkg. (25 Cards)
Consecutive Letters				**PCL100-A-J** **(1) ea. A Thru J**	**PCL200-A-J** **(1) ea. A Thru J**	25 Cards
				PCL100-K-T **(1) ea. K Thru J**	**PCL200-K-T** **(1) ea. K Thru t**	25 Cards
				PCL100-U-Z **(2) ea. U Thru X** **(1) ea. Y & Z**	**PCL200-U-Z** **(2) ea. U Thru X** **(1) ea. Y & Z**	25 Cards

Legend	Part Number			Std. Pkg.*
	3.00" (76 mm) Legend	4.00" (102 mm) Legend	6.00" (152 mm) Legend	
0 1 Thru 9	**PCL300-0** **PCL300-1** **Thru** **PCL300-9**	**PCL400-0** **PCL400-1** **Thru** **PCL400-9**	**PCL600-0** **PCL600-1** **Thru** **PCL600-9**	25 Cards
0-9 3 cards ea: 1 Thru 5 2 cards ea: 6 Thru 0	**PCLCP300-0-9**	**PCLCP400-0-9**	**PCLCP600-0-9**	1 Pkg. (25 Cards)
–(Dash)	**PCL300-DSH**	—	—	25 Cards
A B Thru Z	**PCL300A** **PCL300-B** **Thru** **PCL300-Z**	**PCL400-A** **PCL400-B** **Thru** **PCL400-Z**	**PCL600-A** **PCL600-B** **Thru** **PCL600-Z**	25 Cards
A-Z 1 Card ea: A Thru Z	**PCLCP300-A-Z**	**PCLCP400-A-Z**	**PCLCP600-A-Z**	1 Pkg. (25 Cards)

*Order the number of cards required, in multiples of Std. Pkg.



Hazard Tape

Self-Wound Tape

- Self-Adhesive Striped and Checkered Warning /Hazard Tape
- Patterns make tape more visible
- Color coded for quick identification
- Can be used in place of paint

2" (51 mm) Width Part Number	3" (76 mm) Width Part Number	Pattern	Colors	Roll Length Yd. (m)	Std. Pkg.*
HT2S-BLK-YEL	**HT3S-BLK-YEL**	Stripe	Black/Yellow	18 (16)	1 Roll
HT2P-BLK-YEL	HT3P-BLK-YEL	Check			
HT2S-RED-WHT	HT3S-RED-WHT	Stripe	Red/White		
HT2P-RED-WHT	HT3P-RED-WHT	Check			
HT2S-BLK-WHT	HT3S-BLK-WHT	Stripe	Black/White		
HT2P-BLK-WHT	HT3P-BLK-WHT	Check			
HT2S-MGA-YEL	HT3S-MGA-YEL	Stripe	Magenta/Yellow		
HT2P-MGA-YEL	HT3P-MGA-YEL	Check			

*Order number of rolls required in multiples of Std. Pkg.

Self-Adhesive Floor Dots

- Used to mark traffic lanes or off limit areas indoors
- Less mess than paint

Part Number			Dot Diameter In. (mm)	Dots/ Roll	Std. Pkg.*
Red	Yellow	White			
FD2-RED	**FD2-YEL**	**FD2-WHT**	2 (51)	500	1 Roll
FD3-RED	**FD3-YEL**	**FD3-WHT**	3 (76)		
FD4-RED	**FD4-YEL**	**FD4-WHT**	4 (102)		
FD5-RED	**FD5-YEL**	**FD5-WHT**	5 (127)		

*Order number of rolls required in multiples of Std. Pkg.

Self-Adhesive Solid Color Warning Tape

Self-Wound Tape

- Used to identify hazards, traffic lanes, etc.
- Installs faster and lasts longer than paint
- Durable GMV6 Vinyl tape for indoor use

2" (51 mm) Width Part Number	3" (76 mm) Width Part Number	Color	General Use Description	Roll Length Yd. (m)	Std. Pkg.*
HT2-RED	HT3-RED	Red	Danger and fire protection equipment	60 (55)	1 Roll
HT2-ORN	HT3-ORN	Orange	Electrical hazards		
HT2-YEL	HT3-YEL	Yellow	Designating caution		
HT2-GRN	HT3-GRN	Green	Safety and first aid equipment location		
HT2-BLU	HT3-BLU	Blue	Warning against starting equipment		
HT2-PUR	HT3-PUR	Purple	Housekeeping and traffic markings		
HT2-BLK	HT3-BLK	Black			
HT2-GRY	HT3-GRY	Gray			
HT2-BRN	HT3-BRN	Brown			
HT2-WHT	HT3-WHT	White	Used in combination with other colors		

*Order number of rolls required in multiples of Std. Pkg.

PANDUIT® International Pictograms (ISO)

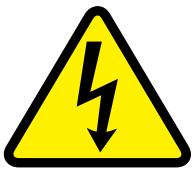
- The International Organization for Standardization (ISO) has established a system to communicate safety information without the use of words. This is accepted in most countries worldwide. Colors and shapes recognizable worldwide are prescribed. Ref. ISO 3864 (DIN 40008, DIN 4844)

Warning Symbols

- ISO symbology for "Caution" or "Risk of Danger" is a triangle (using black and yellow as its primary colors) to denote "WARNING"

Part Number Prefix	Triangle Width In. (mm)	Markers/ Card	Material	Std. Pkg.*
PESW-A-*	0.5 (13)	10	GMV1OL Vinyl	10 Cards
PESW-B-*	1.0 (25)	10		
PESW-C-*	2.0 (50)	10		
PESW-D-*	3.9 (100)	3		
PESW-E-*	7.9 (200)	1		

*Order number of cards required in multiples of Std. Pkg.



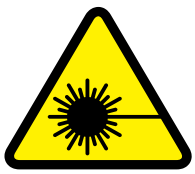
PESW-*-1
Caution - risk of electric shock

PESW-*-2
Caution - risk of fire

PESW-*-3
Caution - risk of explosion

PESW-*-4
Caution - toxic hazard

PESW-*-5
Caution - corrosive substance



PESW-*-8
Caution - laser beam

PESW-*-9
Caution - general warning, risk of danger

PESW-*-14
Caution - industrial trucks

PESW-*-15
Caution - oxidizing materials

PESW-*-24
Caution - low temperature

PESW-*-25
Caution - slippery surface

PESW-*-26
Caution - trip hazard

PESW-*-27
Caution - drop

Hot Surface Warning Labels

Part Number	Triangle Width In. (mm)	Material	Std. Pkg.*
WL35	2.0 (50)	GMV1OL Vinyl	1 Pkg. (50 Labels)
WL36			

*Order number of packages required in multiples of Std. Pkg.

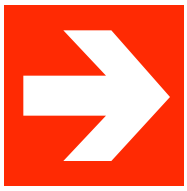
WL35

WL36

Most commonly used parts appear in **BOLD**.

Fire Equipment Symbols

Part Number Prefix	Marker Size In. (mm)	Markers/ Card	Material	Std. Pkg.*
PESF-D-*	3.9 x 3.9 (100 x 100)	1	GMV1OL Vinyl	10 Cards
PESF-E-*	7.9 x 7.9 (200 x 200)	1		



PESF-*-1
Directional Arrow

PESF-*-2
Fire Hose

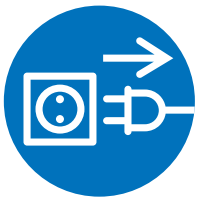
PESF-*-3
Fire Extinguisher

PESF-*-4
Emergency Fire Telephone

Mandatory Symbols

- Symbols denote a mandatory action without the use of words

Part Number Prefix	Marker Diameter In. (mm)	Markers/ Card	Material	Std. Pkg.*
PESG-C-*	2.0 x 2.0 (50 x 50)	5	GMV1OL Vinyl	10 Cards
PESG-D-*	3.9 x 3.9 (100 x 100)	1		
PESG-E-*	7.9 x 7.9 (200 x 200)	1		



PESG-*-1
Switch off electrical supply before working on equipment

PESG-*-2
Eye protection must be worn

PESG-*-3
Head protection must be worn

PESG-*-4
Hearing protection must be worn

PESG-*-5
Respiratory protection must be worn

PESG-*-6
Head / Respiratory protection must be worn

PESG-*-8
Head / Eye protection must be worn

PESG-*-9
Foot protection must be worn

PESG-*-10
Hand protection must be worn

PESG-*-11
Pedestrians must use this route

PESG-*-14
Hand / Hearing / Eye protection must be worn

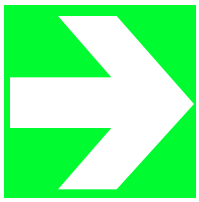
PESG-*-15
Wear face shield

PESG-*-20
Wash hands

PESG-*-22
Wear safety harness / belt

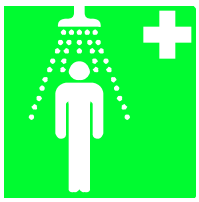
Safe Procedure Symbols

Part Number	Marker Size In. (mm)	Markers/ Card	Material	Std. Pkg.*
PESH-D-1 thru -6	3.9 x 3.9 (100 x 100)	1	GMV1OL Vinyl	10 Cards
PESH-D-9 thru -12	11.7 x 5.8 (297 x 148)	1		
PESH-E-1 thru -6	7.9 x 7.9 (200 x 200)	1		
PESH-E-9 thru -12	15.7 x 7.9 (400 x 200)	1		



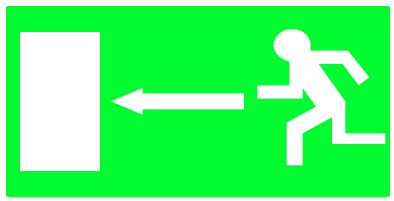
PESH-*-1
Directional arrow

PESH-*-2
First aid

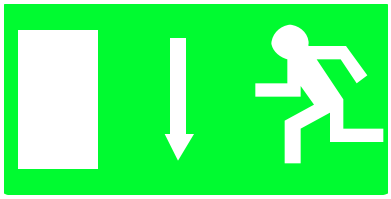


PESH-*-5
Safety shower

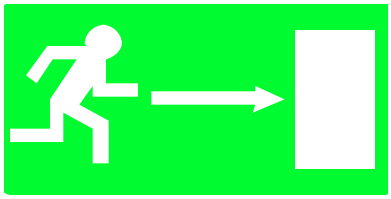
PESH-*-6
Eye wash



PESH-*-9
Emergency exit / escape route left



PESH-*-10
Emergency exit / escape route down



PESH-*-11
Emergency exit / escape route right

PESH-*-12
Emergency exit / escape route up

Prohibition Symbols

- The circle denotes a prohibition or mandatory action. The following symbols in red, white and black prohibit certain behavior

Part Number Prefix	Marker Diameter In. (mm)	Markers/ Card	Material	Std. Pkg.*
PESV-C-*	2.0 (50)	5	GMV1OL Vinyl	10 Cards
PESV-D-*	3.9 (100)	1		
PESV-E-*	7.9 (200)	1		

PESV-*-1
Do not throw switch

PESV-*-2
Do not touch

PESV-*-3
No smoking

PESV-*-4
Smoking and naked flames forbidden

PESV-*-5
No thoroughfare

PESV-*-6
No access for unauthorized persons

PESV-*-9
Do not extinguish with water

PESV-*-10
Not drinking water

PESV-*-11
Do not touch

PESV-*-12
No access for industrial vehicles

*Order number of cards required in multiples of Std. Pkg.
Most commonly used parts appear in **BOLD**.

Calibration Labels

NEW

- Mounted on cards for easy application and control of unused labels
- Easy write-on surface
- Durable indoor vinyl material resists oil and solvents and has permanent acrylic adhesive
- Ideal for small tools, gauges, etc.

Part Number	Material	Marker Size In. (mm)	Markers/ Card	Std. Pkg.*
QL-*	GMV1 Vinyl	2.0 x 0.5 (51 x 13)	18	25 Cards

*Order number of cards required in multiples of Std. Pkg.

ACCEPTED / ACEPTADO
BY / POR _____ DATE / FECHA _____
QL-17

CALIBRATE BEFORE EACH USE
QL-8

CALIBRATE DAILY
QL-6

CALIBRATE MONTHLY
QL-3

CALIBRATE WEEKLY
QL-9

CALIBRATION / CALIBRACION
BY/POR _____ DATE/FECHA _____
DUE/VENUE _____ ID#/NO. ID. _____
QL-19RED†

CALIBRATION NOT REQUIRED
QL-4

CALIBRATION NOT REQUIRED
NO REQUIRE CALIBRACION
QL-18

DEFECTIVE DO NOT USE
QL-13

DO NOT REMOVE FROM QC AREA
QL-11

INACTIVE
BY _____ DATE _____
QL-16

INVENTORY	
NO	DATE
COUNT	BY

QL-2

NOT IN CALIBRATION SYSTEM
QL-7

OUT OF CALIBRATION DO NOT USE
QL-10

OUT OF CALIBRATION
DO NOT USE
SIN CALIBRAR NO USAR
QL-20

PREVENTIVE MAINTENANCE
BY _____ DATE _____
NEXT MAINT. DATE _____
QL-15RED†

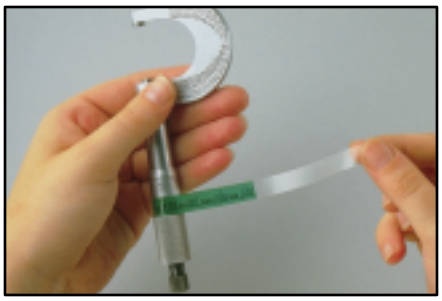
STANDARDIZE BEFORE EACH USE
QL-5

TOOL NO.	
	DEPT.

QL-12RED†

VERIFICATION
BY _____ DATE _____
DUE _____ I.D.# _____
QL-14RED†

†Other background colors available. To order, replace "RED" with "YEL" for yellow, "ORNG" for orange, "GRN" for green, "LTBLU" for light blue and "LTGRN" for light green.



Self-Laminating Calibration Labels

NEW

- Work well on small instruments
- Durable indoor vinyl material, with clear overlaminate provides easy write-on surface and protects the legend
- Permanent acrylic adhesive
- Choose from a variety of colors for multiple department or personnel identification
- Material: GMV3 Self-Laminating Vinyl

Marker Cards

Part Number	Legend	Write-On Area Color (Legend/ Background)	Write-On Area Size In. (mm)	Total Marker Size In. (mm)	Markers/ Card	Std. Pkg.*
QL-21WHT	CAL ID#____ BY____ DATE____ DUE____	Black/White	2.25 x 0.38 (57 x 10)	5.25 x 0.38 (133 x 10)	25	10 Cards
QL-21YEL		Black/Yellow				
QL-21RED		Black/Red				
QL-21ORNG		Black/Orange				
QL-21GRN		Black/Green				
QL-21LTBLU		Black/Light Blue				
QL-21LTGRN		Black/Light Green				

*Order number of cards required in multiples of Std. Pkg.

Marker Books

Part Number	Legend	Write-On Area Color (Legend/ Background)	Write-On Area Size In. (mm)	Total Marker Size In. (mm)	Markers/ Page	Pages/ Book	Std. Pkg.*
PSCB-3CAL	CALIBRATED NO: BY: DATE: DUE:	Green/White	1.00 x 0.75 (25 x 19)	1.00 x 3.00 (25 x 76)	6	10	1 Book
PSCB-6CAL		Green/White	1.00 x 1.00 (25 x 25)	1.00 x 6.00 (25 x 152)	3		

*Order number of books required in multiples of Std. Pkg.

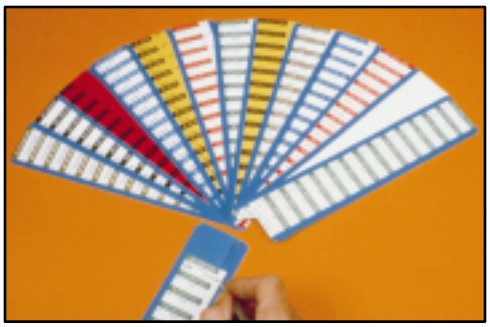
Calibration Dots

NEW

- Ideal for small instruments used in hard to reach areas
- Durable indoor vinyl material provides easy write-on surface
- Permanent acrylic adhesive
- Used for quality control

Part Number	Legend	Color (Legend/Background)	Marker Diameter In. (mm)	Labels/ Roll	Material	Std. Pkg.*
QL-1WHT	CAL ID#_____ DATE_____ DUE_____ BY_____	Black/White	0.75 (19)	500	GMV1 Vinyl	1 Roll
QL-1YEL		Black/Yellow				
QL-1RED		Black/Red				
QL-1ORNG		Black/Orange				
QL-1GRN		Black/Green				
QL-1LTBLU		Black/Light Blue				
QL-1LTGRN		Black/Light Green				

*Order number of rolls required in multiples of Std. Pkg.



Write-On Labels on Cards

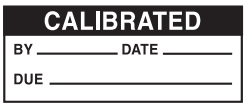
- For quality control, OEM, maintenance and field service applications
- Available in two sizes
- Mark with ball point pen or Panduit Marking Pens (see pg. 21)

Part Number	Material	Marker Size In. (mm)	Markers/ Card	Std. Pkg.*
PCWL-*	GMC1 Vinyl Cloth	1.50 x 0.63 (38 x 16)	14	25 Cards
PCWLL-*		2.25 x 1.00 (57 x 25)	9	25 Cards

*Order number of cards required in multiples of Std. Pkg.

PCWL-ACC
PCWLL-ACC

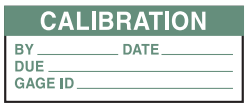
PCWL-BN



PCWL-CALD
PCWLL-CALD

PCWL-CAL
PCWLL-CAL

PCWL-VCAL



PCWL-ICAL

PCWL-CALN
PCWLL-CALN

PCWL-CAU

PCWL-CER
PCWLL-CER

PCWL-DI

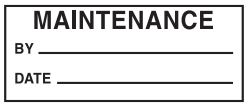
PCWL-DNU
PCWLL-DNU

PCWL-DFI

PCWL-HLD

PCWL-HFI

PCWL-INS
PCWLL-INS



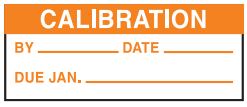
PCWL-MAIN
PCWLL-MAIN

PCWL-QA
PCWLL-QA

PCWL-REJ
PCWLL-REJ

PCWL-RTV

PCWL-RW



Part Number	Month	Color
PCWL-CAL-JAN	JAN	Orange
PCWL-CAL-FEB	FEB	Black
PCWL-CAL-MAR	MAR	Light Blue
PCWL-CAL-APR	APR	Pink
PCWL-CAL-MAY	MAY	Gold
PCWL-CAL-JUN	JUN	Yellow
PCWL-CAL-JUL	JUL	Light Green
PCWL-CAL-AUG	AUG	Red
PCWL-CAL-SEP	SEP	Dark Blue
PCWL-CAL-OCT	OCT	Tan
PCWL-CAL-NOV	NOV	Dark Green
PCWL-CAL-DEC	DEC	Gray

Blank Markers

Part Number	Color
PCWL-BL	White
PCWLL-BL	White
PCWLL-BLB	Blue
PCWLL-BLG	Green
PCWLL-BLO	Orange
PCWLL-BLR	Red
PCWLL-BLY	Yellow

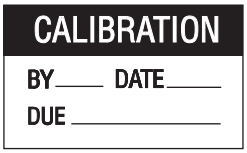
Write-on Quality Labels in Dispenser

- Packaged in a dispenser for label protection and your convenience
- Made of durable laminated polyester film
- Other legends available for Electrical Applications (see page 51)

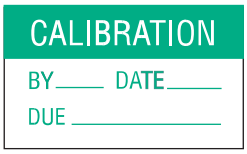
Part Number	Material	Label Size In. (mm)	Labels/ Dispenser	Std. Pkg.*
PLD-*	GMM Laminated Polyester	1.50 x 1.00 (38 x 24)	200	1 Disp.

*Order number of dispensers required in multiples of Std. Pkg.

PLD-4



PLD-22



PLD-3

PLD-30

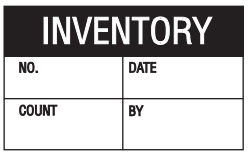
PLD-31

PLD-11

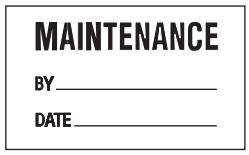
PLD-42

PLD-5

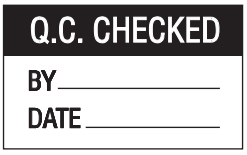
PLD-21



PLD-26



PLD-29



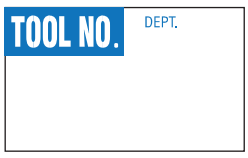
PLD-55

PLD-8

PLD-16

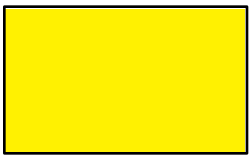
PLD-6

PLD-7



PLD-20

PLD-17



PLD-18

Fluorescent Paper Write-On Quality Labels

NEW

- Bright colors draw immediate attention and make sure important information is noticed
- Write-on surface can be marked with pencil, pen, or Panduit Permanent Marker Pens (see pg. 21)

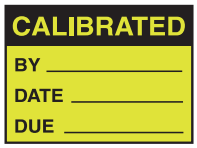
Part Number	Material	Marker Size In. (mm)	Markers/ Sheet	Std. Pkg.*
QLF-*	GMP1 Paper	2.00 x 1.50 (51 x 38)	28	500

*Order number of markers required in multiples of Std. Pkg.

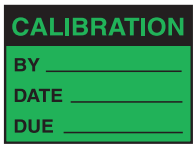
QLF-ACC

QLF-BATCH

QLF-BIN



QLF-CALD

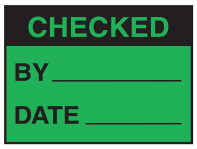


QLF-CALN

QLF-CNR

QLF-CAU

QLF-CERT



QLF-CHK

QLF-DATE

QLF-DNU

QLF-DUE

QLF-HBC

QLF-HOLD

QLF-INS

QLF-INV

QLF-MAIN

QLF-PACK

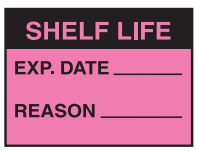
QLF-QA

QLF-RE

QLF-REJ

QLF-REP

QLF-SER



QLF-SHELF

QLF-STOCK

QLF-TEST

QLF-BLANK

Quality Control Action Tags

NEW

Attach tag to indicate action to be taken

- Unique labels and tags identify the “before and after” of eight common workplace actions
- Ideal for documents, machinery, small parts, bins and more
- Tags feature a perforation so user can tear off the lower portion of the tag once the status has been changed
- Economical card stock tags for indoor or temporary use
- Package consists of 25 tags and 25 Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)

Part Number	Size In. (mm)	Tags/ Pkg.	Std. Pkg.*
PCT-*-Q**	5.75 x 3.00 (146 x 76)	25	1 Pkg.

*Order number of packages required in multiples of Std. Pkg.

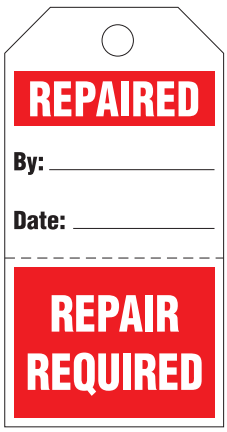
Sign tag and tear at perforation once the status has changed

PCT-211-Q

PCT-205-Q

PCT-208-Q

PCT-204-Q



PCT-207-Q

PCT-206-Q

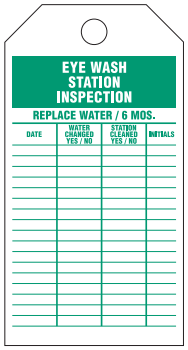
Inspection Labels and Tags

NEW

- Ideal for recording inspections, services of eye wash stations, fire extinguishers and machinery
- Tags have same legend on front and back unless otherwise indicated and are supplied with Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)
- Labels are made of self-adhesive paper for easy application

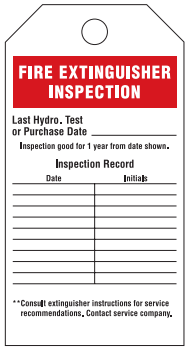
Part Number	Type	Material	Size In. (mm)	Tags/ Pkg.	Std. Pkg.*
PCT-***-Q	Tag	Card Stock	3.00 x 5.75 (76 x 146)	25	1 Pkg.
PVT-***-Q	Tag	GMV5 Rigid Plastic	3.00 x 5.75 (76 x 146)	25	1 Pkg.
PES-**-Q	Label	Paper	3.00 x 5.00 (76 x 127)	25	1 Pkg.

*Order number of packages required in multiples of Std. Pkg.

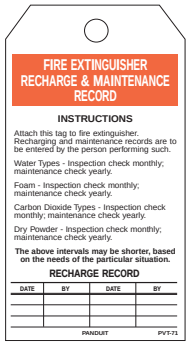


PCT-126-Q
PES-L1-Q

PCT-141-Q



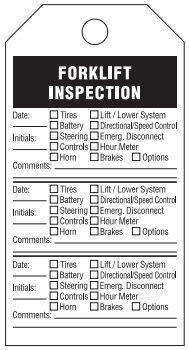
PCT-127-Q
PES-L7-Q



Front

Back

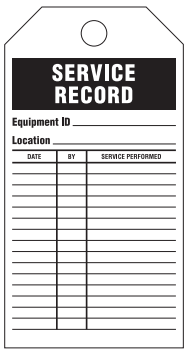
PVT-71-Q



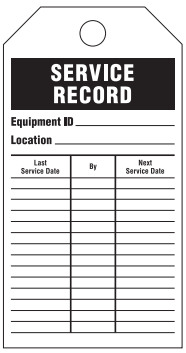
PCT-144-Q
PES-L5-Q

PCT-128-Q
PES-L2-Q

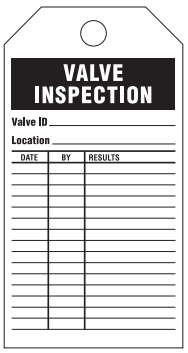
PCT-216-Q
PES-L3-Q



PCT-143-Q
PES-L6-Q



PCT-217-Q
PES-L4-Q



PCT-142-Q

Inspection Plates

NEW

- The ideal system for fast recognition of inspection intervals and maintenance dates for safety testing
- Label is destroyed upon removal
- Available for different years and in 7 languages where text is included

Part Number	Legend	Year	Color (Legend/Background)	Marker Diameter In. (mm)	Markers/ Card	Material	Std. Pkg.*
PEIP-A-99 **PEIP-A-00** **PEIP-A-01** **PEIP-A-02**		99 00 01 02	White/Orange White/Violet White/Green White/Blue	0.59 (15)	10	GMV10 Destructible Vinyl	10 Cards
PEIP-A-BL **PEIP-A-BR** **PEIP-A-GR** **PEIP-A-OR** **PEIP-A-VI** **PEIP-A-YL**		—	White/Blue White/Brown White/Green White/Orange White/Violet White/Yellow	0.59 (15)	10		
PEIP-C-04†		99 thru 04	Black/Yellow	1.18 (30)	5		
PEIP-C-04-2†		99 thru 04	Black/Yellow	1.18 (30)	5		
PEIP-D-00 **PEIP-D-01** **PEIP-D-02** **PEIP-D-03** **PEIP-D-04**		99 00 01 02	White/Violet White/Green White/Blue White/Red White/Brown	1.38 (35)	5		

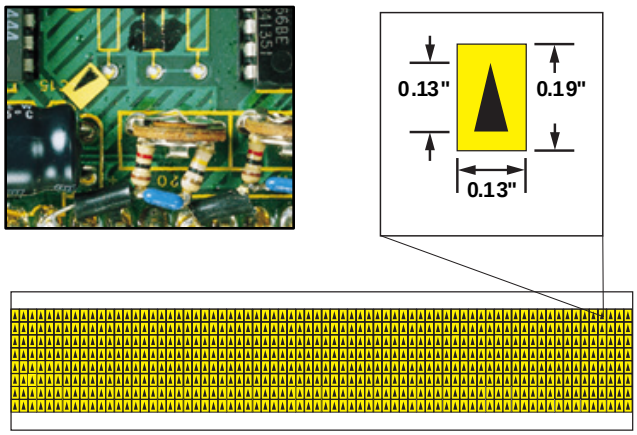
*Order number of cards required in multiples of Std. Pkg.
†Also available in German, French, Italian, Dutch, Spanish, and Portuguese. Contact factory for part numbers.

Inspection Signs

- Ref. DIN 40010

Part Number	Legend	Description	Color (Legend/ Background)	Marker Height In. (mm)	Markers/ Card	Material	Std. Pkg.*
PESS-A-VDE1 **PESS-B-VDE1** **PESS-C-VDE1** **PESS-D-VDE1** **PESS-E-VDE1**		VDE-Sign	Black/White	0.49 (13) 0.63 (16) 0.79 (20) 0.98 (25) 1.24 (32)	20 20 10 10 10	Polyester	10 Cards
PESS-A-VDE2 **PESS-B-VDE2** **PESS-C-VDE2** **PESS-D-VDE2** **PESS-E-VDE2**		VDE-Spark Protection Sign	Black/White	0.49 (13) 0.63 (16) 0.79 (20) 0.98 (25) 1.24 (32)	20 20 10 10 10		
PESS-A-VDE3 **PESS-B-VDE3** **PESS-C-VDE3** **PESS-D-VDE3** **PESS-E-VDE3**		VDE-Electronic certificate	Black/White	0.49 (13) 0.63 (16) 0.79 (20) 0.98 (25) 1.24 (32)	20 20 10 10 10		
PESS-A-CECC **PESS-B-CECC** **PESS-C-CECC** **PESS-D-CECC** **PESS-E-CECC**		CEE certificate	Black/White	0.49 (13) 0.63 (16) 0.79 (20) 0.98 (25) 1.24 (32)	20 20 10 10 10		
PESS-A-GS1 **PESS-B-GS1** **PESS-C-GS1** **PESS-D-GS1** **PESS-E-GS1**		VDE-GS-Symbol	Black/White	0.49 (13) 0.63 (16) 0.79 (20) 0.98 (25) 1.24 (32)	20 20 10 10 10		
PESS-A-GS2 **PESS-B-GS2** **PESS-C-GS2** **PESS-D-GS2** **PESS-E-GS2**		VDE-GS-Symbol	Black/White	0.49 (13) 0.63 (16) 0.79 (20) 0.98 (25) 1.24 (32)	20 20 10 10 10		

*Order number of cards required in multiples of Std. Pkg.

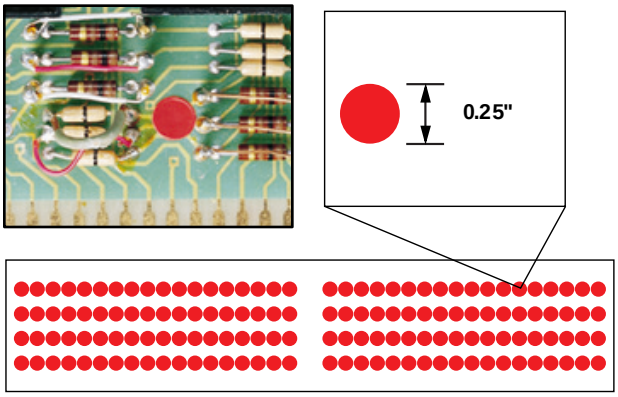


Inspection Arrows

- Material: GMC1 Vinyl Cloth

Part Number	Color (Legend/ Background)	Marker Size In. (mm)	Markers/ Card	Std. Pkg.*
PARW125-RED	Black/Red	0.13 x 0.19 (3 x 5)	576	25 Cards
PARW125-YEL	Black/Yellow			
PARW125-WHT	Black/White			

*Order number of cards required in multiples of Std. Pkg.

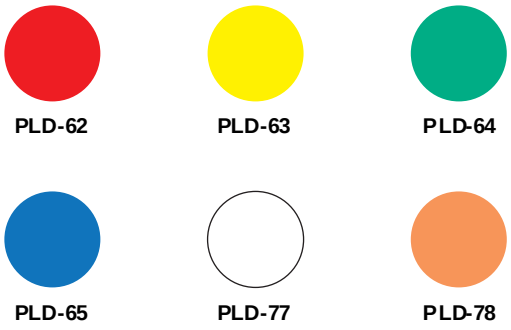


Marker Dots on Cards

- Material: GMV1 Vinyl

Part Number	NEMA† Color	Marker Diameter In. (mm)	Markers/ Card	Std. Pkg.*
PDOT25-BLK	Black	0.25 (6)	144	25 Cards
PDOT25-BLU	Blue			
PDOT25-DGN	Dark Green			
PDOT25-GRY	Gray			
PDOT25-LGN	Light Green			
PDOT25-ORN	Orange			
PDOT25-RED	Red			
PDOT25-WHT	White			
PDOT25-YEL	Yellow			

† U.S. National Electrical Manufacturers Association
*Order number of cards required in multiples of Std. Pkg.



Marker Dots in Dispenser

- Packaged in a dispenser for label protection and your convenience
- Made of durable laminated polyester film

Part Number	Material	Marker Diameter In. (mm)	Markers/ Dispenser	Std. Pkg.*
PLD-*	GMM Laminated Polyester	0.75 (19)	300	1 Disp.

*Order number of dispensers required in multiples of Std. Pkg.

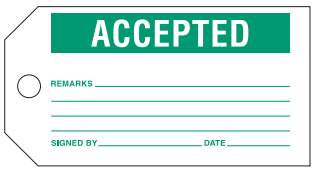
Production Control Tags

NEW

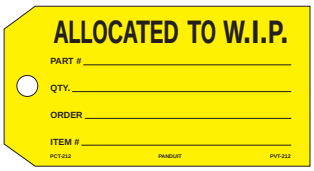
- For organizing inventory, quality control, OEM, and maintenance applications
- Economical card stock tags for indoor or temporary use
- Package consists of 25 tags and 25 Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)

Part Number	Size In. (mm)	Tags & Ties/ Pkg.	Std. Pkg.*
PCT-***-Q	5.75 x 3.00 (146 x 76)	25	1 Pkg.

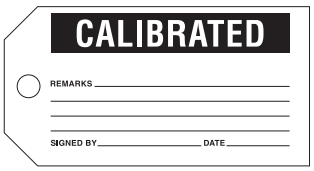
*Order number of packages required in multiples of Std. Pkg.



PCT-183-Q

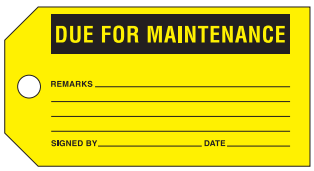


PCT-212-Q

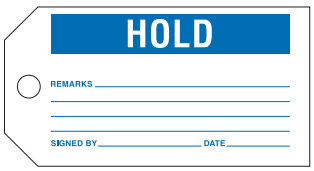


PCT-184-Q

PCT-185-Q



PCT-186-Q

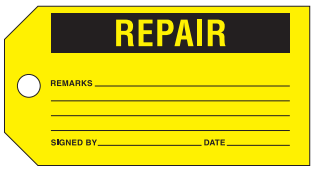


PCT-187-Q

PCT-188-Q

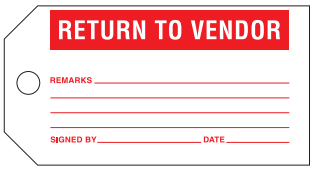
PCT-189-Q

PCT-190-Q

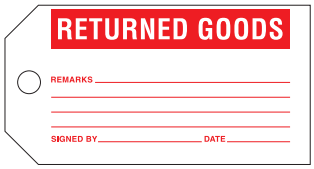


PCT-191-Q

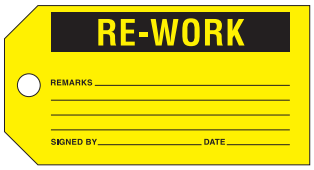
PCT-192-Q



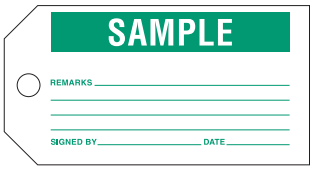
PCT-193-Q



PCT-83-Q

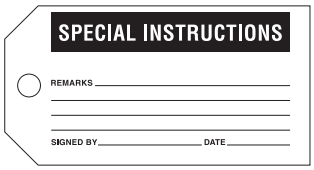


PCT-194-Q

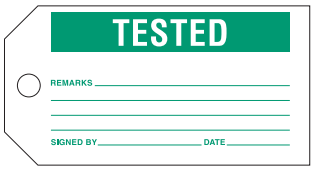


PCT-195-Q

PCT-196-Q



PCT-197-Q



PCT-75-Q

PCT-91-Q

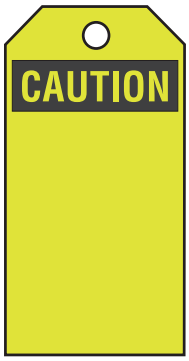
Fluorescent Tags

NEW

- Eye-catching colors draw immediate attention
- Communicate a variety of information quickly and effectively
- Economical card stock tags for indoor or temporary use
- Package consists of 25 tags and 25 Panduit PLT1.5I Cable Ties (5.6" / 142 mm length)

Part Number	Size In. (mm)	Tags & Ties /Pkg.	Std. Pkg.*
PCT-*-Q**	5.75 x 3.00 (146 x 76)	25	1 Pkg.

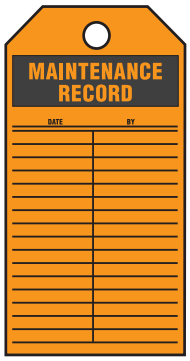
*Order number of packages required in multiples of Std. Pkg.



PCT-174F-Q

PCT-172F-Q

PCT-173F-Q

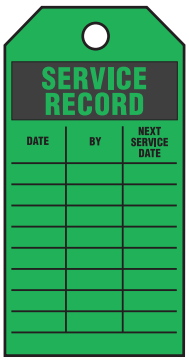


PCT-175F-Q

PCT-170F-Q

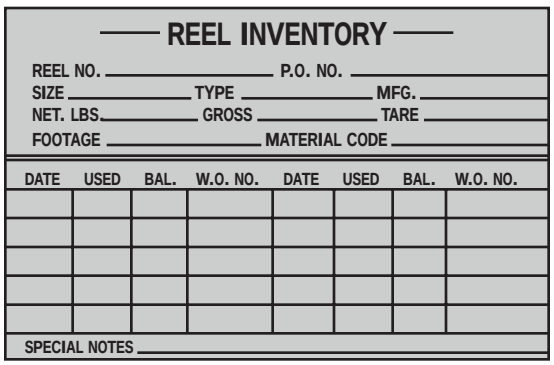
PCT-169F-Q

PCT-171F-Q



PCT-168F-Q

PCT-178F-Q



Reel Inventory Marker

- Use to track usage of reel mounted materials
- Aluminum material

Part Number	Size In. (mm)	Material	Std. Pkg.*
PAWL-REEL	6.0 x 4.0 (152 x 102)	GMA1 Aluminum	25 Markers

*Order number of markers required in multiples of Std. Pkg.

Underground Hazard Tape (non-adhesive)

- Used to warn of buried utility lines
- Made of polyethylene film designed for direct burial – Will not biodegrade

Part Number Prefix	Roll Width In. (mm)	Roll Length Ft. (m)	Material	Std. Pkg.*
HTU3	3.0 (76)	2000 (609)	GMPE2 Polyethylene Tape	1 Roll
HTU6	6.0 (152)	1000 (305)		
HTDU2	2.0 (51)	1000 (305)	GMDU4 Detectable Laminated Aluminum Tape	
HTDU3	3.0 (76)	1000 (305)		
HTDU6	6.0 (152)	1000 (305)		

*Order number of rolls required in multiples of Std. Pkg.

Legend	Color	Part Number 2" (51 mm) Width	3" (76 mm) Width	6" (152 mm) Width
CAUTION CAUTION CAUTION CABLE T.V. LINE BURIED BELOW	Green	—	**HTU3G-TV**	**HTU6G-TV**
	Orange ▪	—	**HTU3O-TV**	**HTU6O-TV**
		HTDU2O-TV	**HTDU3O-TV**	**HTDU6O-TV**
CAUTION CAUTION CAUTION ELECTRIC LINE BURIED BELOW	Yellow	—	**HTU3Y-E**	HTU6Y-E
	Red▪	—	**HTU3R-E**	HTU6R-E
		HTDU2R-E	**HTDU3R-E**	HTDU6R-E
CAUTION CAUTION CAUTIN GAS LINE BURIED BELOW	Orange	—	**HTU3O-G**	**HTU6O-G**
		—	**HTDU3O-G**	—
	Yellow ▪	—	**HTU3Y-G**	**HTU6Y-G**
		HTDU2Y-G	**HTDU3Y-G**	**HTDU6Y-G**
CAUTION CAUTION CAUTION SEWER LINE BURIED BELOW	Green ▪	—	**HTU3G-S**	**HTU6G-S**
		HTDU2G-S	**HTDU3G-S**	**HTDU6G-S**
CAUTION CAUTION CAUTION TELEPHONE LINE BURIED BELOW	Green	—	**HTU3G-T**	**HTU6G-T**
	Orange ▪	—	**HTU3O-T**	**HTU6O-T**
		HTDU2O-T	**HTDU3O-T**	**HTDU6O-T**
CAUTION CAUTION CAUTION WATER LINE BURIED BELOW	Blue ▪	—	—	**HTU6B-W**
		HTDU2B-W	**HTDU3B-W**	**HTDU6B-W**
CAUTION CAUTION CAUTION BURIED FIBER OPTIC CABLE	Orange ▪	—	**HTU3O-FO**	**HTU6O-FO**
		HTDU2O-FO	**HTDU3O-FO**	**HTDU6O-FO**

▪ APWA (American Public Works Association) Recommended Background Color Code

Barricade Tape (non-adhesive)

- Used to warn of temporary hazards
- Attaches easily to posts, walls, etc.
- Highly visible 2" (51 mm) black legends on yellow background
- Material: GMPE2 Polyethylene

Part Number	Legend	Roll Size	Std. Pkg.*
HTB2-C †	CAUTION CAUTION CAUTION	3.0" x 200' (76 mm x 61 m)	1 Roll
HTB2-MW†	CAUTION - MEN WORKING		
HTB3-APO	CAUTION - AUTHORIZED PERSONNEL ONLY		
HTB3-CA	CAUTION - CONSTRUCTION AREA		
HTB3-CS	CONFINED SPACE - DO NOT ENTER		
HTB3-DNE	CAUTION - DO NOT ENTER		
HTB3-FL	FIRE LINE DO NOT CROSS		
HTB3-HV	CAUTION - HIGH VOLTAGE		
HTB3-MWO	MEN WORKING OVERHEAD		
HTB3-OT	CAUTION - OPEN TRENCH		
HTB3-WF	CAUTION - WET FLOOR		

†Also available with legends in Spanish and Portuguese. To order, add suffix "-E" for Spanish or "-P" for Portuguese
*Order number of rolls required in multiples of Std. Pkg.

Low Temperature Reflective Letters and Numbers

- Ideal for low temperature applications; may be applied as low as -10°F (-23°C)
- Highly reflective for visibility at night or in dark places
- Available in packages of individual markers or in convenient, economical kits
- Markers supplied on slit backing
- Material: GMV8 Reflective Vinyl
- Legend Size: 1.00” (25 mm)
- Marker Size: 1.00” x 1.63" (25 x 421 mm)

Individual Letters and Numbers

Legend	Part Number				Std. Pkg.*
	Black on Orange	Black on Yellow	Yellow on Black	Black on Silver	
0 1 thru 9	**PRL100BO-0 PRL100BO-1 thru PRL100BO-9**	**PRL100BY-0 PRL100BY-1 thru PRL100BY-9**	**PRL100YB-0 PRL100YB-1 thru PRL100YB-9**	**PRL100BS-0 PRL100BS-1 thru PRL100BS-9**	1 Pkg. (25 Markers)
A thru Z	**PRL100BO-A thru PRL100BO-Z**	**PRL100BY-A thru PRL100BY-Z**	**PRL100YB-A thru PRL100YB-Z**	**PRL100BS-A thru PRL100BS-Z**	
— (Dash)	**PRL100BO-DSH**	**PRL100BY-DSH**	**PRL100YB-DSH**	**PRL100BS-DSH**	
(Blank)	**PRL100BO-BLNK**	**PRL100BY-BLNK**	**PRL100YB-BLNK**	**PRL100BS-BLNK**	

*Order number of packages required

Kits

- Keep kits up to full capacity by re-ordering just the parts you need

Legend	Part Number				Std. Pkg.*
	Black on Orange	Black on Yellow	Yellow on Black	Black on Silver	
(50) each: 0 thru 9, A thru D, L, P, R, S	**PRL100BO-18KIT**	**PRL100BY-18KIT**	**PRL100YB-18KIT**	**PRL100BS-18KIT**	1 Kit (900 Markers)
(25) each: 0 thru 9, A thru Z, Dash, Blank	**PRL100BO-36KIT**	**PRL100BY-36KIT**	**PRL100YB-36KIT**	**PRL100BS-36KIT**	1 Kit (950 Markers)

*Order number of kits required

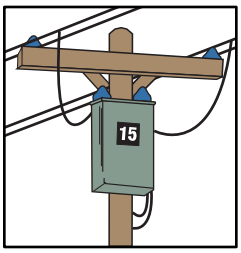
Indoor/Outdoor Reflective Letters and Numbers

- Highly reflective for visibility at night or in dark places
- Markers supplied on slit backing
- Material: GMV7 Reflective Vinyl

Part Number Prefix	Legend Height In. (mm)	Marker Size In. (mm)	Color	Markers/ Pkg.
PRL150YB	1.5 (38)	1.38 x 1.88 (35 x 48)	Yellow on Black	25
PRL200BS	2.0 (51)	1.44 x 2.25 (36 x 57)	Black on Silver	10
PRL250YB	2.5 (64)	1.75 x 2.88 (44 x 73)	Yellow on Black	25
PRL250BY	2.5 (64)	1.75 x 2.88 (44 x 73)	Black on Yellow	25

Legend	Part Number				Std. Pkg.*
	1.5" (38 mm) Legend Yellow on Black	2.0” (51 mm) Legend Black on Silver	2.5" (64 mm) Legend Yellow on Black	2.5" (64 mm) Legend Black on Yellow	
0 thru 9	**PRL150YB-0 thru PRL150YB-9**	**PRL200BS-0 thru PRL200BS-9**	**PRL250YB-0 thru PRL250YB-9**	**PRL250BY-0 thru PRL250BY-9**	1 Pkg.
A thru Z	**PRL150YB-A thru PRL150YB-Z**	**PRL200BS-A thru PRL200BS-Z**	**PRL250YB-A thru PRL250YB-Z**	**PRL250BY-A thru PRL250BY-Z**	1 Pkg.
— (Dash)	**PRL150YB-DSH**	**PRL200BS-DSH**	**PRL250YB-DSH**	**PRL250BY-DSH**	1 Pkg.

*Order number of packages required



- Mark transformers and electric generators indoors/outdoors with KVA legends
- Material: GMV7 Reflective Vinyl

Reflective Transformer Markers

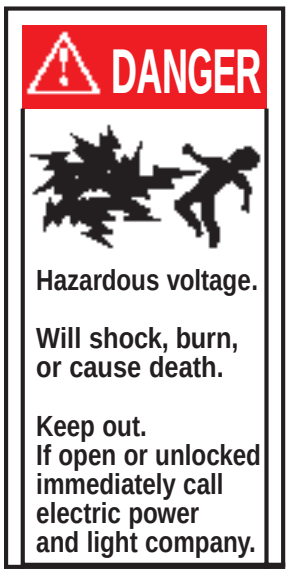
Part Number	KVA Legend	Color	Legend Height In. (mm)	Marker Size In. (mm)	Std. Pkg.*
PRTM-7 **PRTM-15** **PRTM-25** **PRTM-50** **PRTM-75**	7 1/2 15 25 50 75	Yellow on Black	2.5 (64)	3.25 x 2.88 (83 x 73)	1 Pkg. (25 Markers)
PRTM-37 **PRTM-100** **PRTM-150** **PRTM-167** **PRTM-500**	37 1/2 100 150 167 500	Yellow on Black	2.5 (64)	4.75 x 2.88 (121 x 73)	1 Pkg. (25 Markers)

*Order number of packages required in multiples of Std. Pkg.

"Mr. Ouch" Transformer Markers

- Used to warn children to stay away from transformers and other outdoor pad mounted equipment
- Meet NEMA requirements and UL 969 performance requirements
- Material: GMV2 Indoor/Outdoor Vinyl

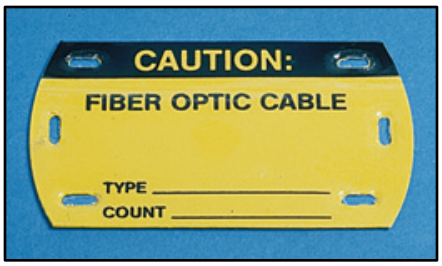
PUS0408B0001



PUS0408B0002

Part Number	Marker Size In. (mm)	Std. Pkg.*
PUS0408B0001	4 x 8 (102 x 203)	1
PUS0408B0002		

*Order number of markers required in multiples of Std. Pkg.



(6) slots: 0.31" x 0.13" (8 x 3 mm)

Self-Laminating Fiber Optic Cable Marker Tags

- Durable tag for marking fiber optic cable in manhole and indoor environments
- Clear overlaminate protects legend
- Can be marked with Panduit Permanent Marker Pens (see pg. 21)
- Can be installed as a wrap or flag with Panduit Intermediate Cable Ties shown on page 44

Part Number	Material	Size In. (mm)	Legend / Background Color	Legend	Tags/ Pkg.	Std. Pkg.*
PST-FO†	GMV4 Self-Laminating Rigid Vinyl	3.5 x 2.0 (89 x 51)	Black/Yellow	CAUTION FIBER OPTIC CABLE TYPE_____ COUNT_____	5 Tags	1 Pkg.
PST-FOBLNK			Yellow	Blank		

†Also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese
*Order number of packages required

(1) slot: 0.13" x 0.63" (3 x 16 mm)

Ground Warning Tags

- U.V. resistant legend is printed on both sides
- Install with Panduit Intermediate Cable Ties shown on page 44
- PT-BLNK tag can be marked with Panduit Permanent Marker Pens (see pg. 21) for indoor use

Part Number	Material	Size In. (mm)	Legend / Background Color	Legend	Tags/ Pkg.	Std. Pkg.*
PT-CGND†	GMPE3 Semi-Rigid Polyethylene	2.75 x 1.38 (70 x 35)	Black/Yellow	WARNING...CABLE TV CO. REPAIR SERVICE	100 Tags	1 Pkg.
PT-EGND†				WARNING...ELECTRICAL CO. REPAIR SERVICE		
PT-TGND†				WARNING...TELEPHONE CO. REPAIR SERVICE		
PT-GND†				WARNING, GROUND WIRE, DO NOT REMOVE		
PT-BLNK				(Blank)		

†Also available in Spanish and Portuguese. To order, add part number suffix -E for Spanish or -P for Portuguese
*Order number of packages required

Material Code / Part Number Prefix	Description	Temperature Range	Use	Estimated Outdoor Life Expectancy (Years)
AT	Outdoor Polyethylene	-40° to 200°F (-40° to 93°C)	Indoor / Outdoor	4-5
BT	Outdoor Polyethylene	-40° to 200°F (-40° to 93°C)	Indoor / Outdoor	4-5
FD	Vinyl	-20° to 175°F (-29° to 79°C)	Indoor / Outdoor	2
GMA1	Aluminum	-40° to 300°F (-40° to 149°C)	Indoor / Outdoor	5
GMC	Vinyl Cloth	-50° to 170°F (-46° to 77°C)	Indoor	—
GMC1	Vinyl Cloth	-50° to 170°F (-46° to 77°C)	Indoor	—
GMDU4	Laminated Aluminum	-40° to 180°F (-40° to 82°C)	Indoor / Outdoor	5
GMM	Polyester	-40° to 250°F (-40° to 121°C)	Indoor / Outdoor	2
GMP1	Paper	-65° to 200°F (-54° to 93°C)	Indoor	—
GMPE1	Rigid Polyethylene	-30° to 250°F (-34° to 121°C)	Indoor / Outdoor	5
GMPE2	Polyethylene	-40° to 180°F (-40° to 82°C)	Indoor / Outdoor	10
GMPE3	Polyethylene	-30° to 250°F (-34° to 121°C)	Indoor / Outdoor	5
GMPET	Rigid Polyester	-40° to 250°F (-40° to 121°C)	Indoor / Outdoor	1
GMPO	Polyolefin	-50° to 120°F (-46° to 49°C)	Indoor	—
GMV	Vinyl	0° to 170°F (-18° to 77°C)	Indoor	—
GMV1	Vinyl	-40° to 176°F (-40° to 80°C)	Indoor / Outdoor	2
GMV10	Destructible Vinyl	-65° to 200°F (-54° to 93°C)	Indoor / Outdoor	5
GMV1OL	Laminated Vinyl	-40° to 225°F (-40° to 107°C)	Indoor / Outdoor	2
GMv2	Vinyl	-50° to 225°F (-46° to 107°C)	Indoor / Outdoor	5
GMV3	Self-Laminating Vinyl	-40° to 150°F (-40° to 66°C)	Indoor	—
GMV4	Self-Laminating Plastic	-40° to 150°F (-40° to 66°C)	Indoor / Outdoor	2
GMV5	Semi-Rigid Plastic	-40° to 150°F (-40° to 66°C)	Indoor / Outdoor	2
GMV6	Vinyl	-20° to 175°F (-29° to 79°C)	Indoor / Outdoor	2
GMV7	Reflective Vinyl	-30° to 200°F (-34° to 93°C)	Indoor / Outdoor	7-8
GMV8	Reflective Vinyl	-30° to 200°F (-34° to 93°C)	Indoor / Outdoor	5-8
GMY	Polyester	-40° to 311°F (-40° to 154°C)	Indoor / Outdoor	2
HT	Vinyl	-20° to 175°F (-29° to 79°C)	Indoor / Outdoor	2
PCT	Card Stock	-40° to 180°F (-40° to 82°C)	Indoor	—
PD	Vinyl	-50° to 225°F (-46° to 107°C)	Indoor / Outdoor	5
PMPC	Rigid Strap-On Material	-40° to 230°F (-40° to 110°C)	Indoor / Outdoor	5-8
PMSH	Snap-On Material	-40° to 225°F (-40° to 107°C)	Indoor / Outdoor	5-8
PMU	Vinyl	-40° to 176°F (-40° to 80°C)	Indoor / Outdoor	5-8
PST-FO	Self-Laminating Plastic	-50° to 200°F (-46° to 93°C)	Indoor / Outdoor	2-3
TTP	Polyester	0° to 225°F (-18° to 135°C)	Indoor / Outdoor	2
TTPA	Paper	-65° to 160°F (-54° to 71°C)	Indoor	—
TTV	Vinyl	-40° to 176°F (-40° to 80°C)	Indoor / Outdoor	2

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‡ KYNAR is a registered trademark of Elf Atochem North America

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ISO 9001 REGISTERED FIRM

TRADEMARKS AND EXPLANATIONS

PAN-TERM® . . . Panduit Terminals, Disconnects, Wire Joints, and Splices. Designed for Quality Compression Style Termination.

P-CONN™ . . . . . Fin Style, Wing Style and Nut Style Twist-On Pressure Type Wire Connectors.

DISCO-GRIP™ . . Fully Insulated Female and Male Disconnects of Premium Grade Nylon Construction to Provide Double Crimp and Superior Insulation Strain Relief.

SUPRA-GRIP™ . Nylon Fully Insulated Female Disconnect with Integrated Metal Insulation Grip.

DISCO-LOK™ . . . Positive Locking Female Disconnect. Nylon Fully Insulated with Integrated Metal Insulation Grip.

Our products are warranted to be free from defects in material and workmanship at the time of sale but our obligation under this warranty is limited to the replacement of any product proved to be defective within 6 months (for product) or 90 days (for tools) from the date of delivery. Tool warranty is void if Panduit tools are modified, altered or misused in any way. Use of Panduit tooling with any product other than the specified Panduit products for which the tool was designed, constitutes misuse. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability whatsoever in connection therewith.

This warranty is made in lieu of and excludes all other warranties, expressed or implied. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE ARE SPECIFICALLY EXCLUDED. Neither seller nor manufacturer shall be liable for any other injury, loss or damage, whether direct or consequential, arising out of the use of, or the inability to use, the product.

The information contained in this literature is based on our experience to date and is believed to be reliable. It is intended as a guide for use by persons having technical skill at their own discretion and risk. We do not guarantee favorable results or assume any liability in connection with its use. Dimensions contained herein are for reference purposes only. For specific dimensional requirements consult the factory. This publication is not to be taken as a license to operate under, or a recommendation to infringe any existing patents. This supersedes and voids all previous literature, etc.

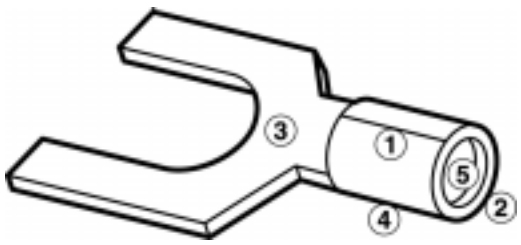
Features and Benefits of PAN-TERM® Terminals

- All PANDUIT Terminals feature High Quality Materials made with electrolytically refined copper for high conductivity and are tin plated for corrosion resistance.

NON-INSULATED TERMINALS - Brazed Seam (Part Number *P* series)

LISTED
FILE E52164

CERTIFIED
FILE LR31212



1. **BRAZED BARREL SEAM -** assures crimp reliability
2. **INTERNALLY BEVELLED BARREL -** easy wire entry, saves time
3. **PRODUCT MARKINGS -** easy identification of wire size
4. **EXTENDED BARREL LENGTH -** assures a good quality crimp and makes crimping easier for the operator
5. **INTERNAL WIRE BARREL SERRATIONS -** assure good wire contact and maximum tensile strength

RATED—up to 2000V and 90°C (194°F) operating temperature

—343°C (650°F) for high temperature ring terminals

NON-INSULATED TERMINALS - Seamless Tubular Ring (Part Number *S* series)

LISTED
FILE E52164

CERTIFIED
FILE LR31212

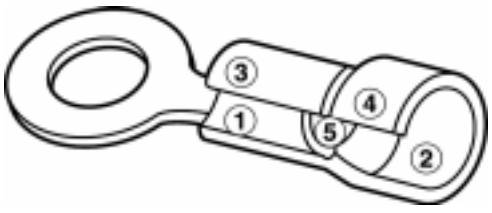
1. **SEAMLESS TUBULAR BARREL -** consistent, quality crimps because the barrel has no seams
2. **INTERNALLY BEVELLED BARREL -** easy wire entry, saves time
3. **PRODUCT MARKINGS -** easy identification of terminal and wire size
4. **INSPECTION HOLE -** allows for visual inspection for proper wire insertion
5. **DOUBLE THICK TONGUE -** provides a strong ring tongue

RATED—up to 2000V and 90°C (194°F) operating temperature

VINYL INSULATED TERMINALS WITH INSULATION SUPPORT - Funnel Entry Type (Part Number *PV* series)

LISTED
FILE E52164

CERTIFIED
FILE LR31212



1. **BRAZED BARREL SEAM -** assures crimp reliability
2. **FUNNEL ENTRY -** speeds wire insertion for faster assembly and lower installed cost
3. **COLOR CODED -** identifies wire range and proper tooling
4. **INSULATION CRIMP -** provides insulation support strain relief when vibration is a concern
5. **INTERNAL WIRE BARREL SERRATIONS -** assure good wire contact and maximum tensile strength

RATED—at 600V and 105° C (221° F) operating temperature

NYLON INSULATED TERMINALS WITH INSULATION GRIP SLEEVE - Funnel & Non-Funnel Entry Types (Part Number *PNF* or *PN* series)

LISTED
FILE E52164

CERTIFIED
FILE LR31212

1. **SLEEVED BARREL -** assures crimp reliability
2. **PNF -** funnel-entry styles available
3. **COLOR CODED -** identifies wire range and proper tooling
4. **METAL INSULATION CRIMP -** provides DOUBLE CRIMP wire insulation grip sleeve for high vibration or conductor strain environments
5. **INTERNAL WIRE BARREL SERRATIONS -** assure good wire contact and maximum tensile strength

RATED—at 600V and 105° C (221° F) operating temperature

 Applicable *PAN-TERM* terminals meet the requirements of Military Specification MIL-T-7928G and Military Standards MS25036 or MS20659.

Features and Benefits of *PAN-TERM*® Terminals (continued)

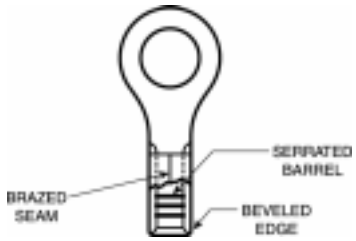
TERMINALS INCLUDE: Rings, Forks, Flanged Forks, Locking Forks and Short Locking Forks.

TOOLING - PANDUIT has a wide assortment of manual, controlled cycle, pneumatic and battery operated hydraulic crimping tools which gives you reliable connections at a lower installed cost. *See Page 43 - Page 49* for Panduit's full line of tools.

CRIMP STRENGTH DETERMINANTS - The optimal compression (crimp) type connection is an air tight connection between the terminal barrel and the conductor. This connection provides maximum joint conductivity, exceptional wire pullout values, and resistance to corrosion of the crimped connection. *See Page 50* for Panduit's crimping guidelines.

Suggested Specifications for Copper Conductor Connections (COMPRESSION TYPE)

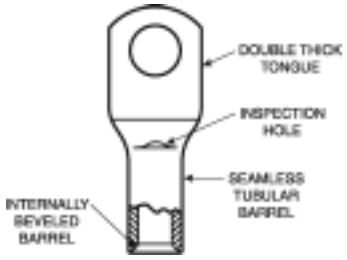
NON-INSULATED TERMINALS



Where specifications require installation of a non-insulated compression type terminal, the #26 AWG to #2 AWG wire shall be terminated with PANDUIT ***PAN-TERM*** terminals. The terminal shall be tin plated copper, fully annealed, with a brazed seam* and stamped markings on the tongue. PANDUIT recommended tooling shall be used for installation.

*In short locking forks, a butted seam shall be used.

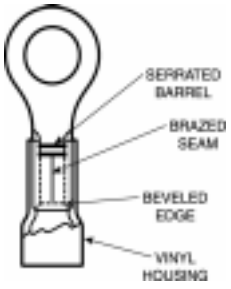
NON-INSULATED TERMINALS - Seamless Tubular Ring



Where specifications require installation of a seamless barrel non-insulated compression type terminal, the #8 AWG to 250 MCM wire shall be terminated with PANDUIT ***PAN-TERM*** terminals. The terminal shall be manufactured using seamless tubular copper, tin plated and stamped markings on the tongue*. PANDUIT recommended tooling shall be used for installation.

*In custom Tubular Terminals, no tongue markings will be stamped.

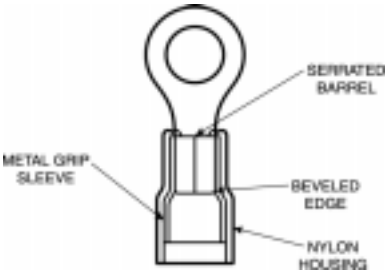
VINYL INSULATED TERMINALS



Where specifications require installation of a vinyl insulated compression type terminal, the #22 AWG to #10 AWG wire shall be terminated with PANDUIT *PV* series terminals. The terminal shall be tin plated copper, fully annealed, with a brazed seam* and stamped markings on the tongue. The barrel shall be insulated with a vinyl, funnel entry type insulator. PANDUIT recommended tooling shall be used for installation.

*In short locking forks, a butted seam shall be used.

NYLON INSULATED TERMINALS



Where specifications require installation of a nylon insulated compression type terminal, the #22 AWG to #10 AWG wire shall be terminated with PANDUIT *PN* or *PNF* series terminals. The terminal shall be tin plated copper with a permanently attached tin plated brass sleeve. The barrel shall be fully annealed with stamped markings on the tongue. The barrel shall be nylon insulated. PANDUIT recommended tooling shall be used for installation.

Design Features for Ring and Fork Terminals

(See separate Design Features for Disconnects — Page 20 - Page 21 .)

RINGS

Provide a secure and reliable connection.

FORKS

Fast and easy to install. Allow assembly without completely removing the screw.

FLANGED FORKS

Have the installation benefits of a fork, with a flanged tongue to provide a more secure connection.

LOCKING FORKS

Have the installation benefits of a fork, with a "locking" tongue to provide the most secure "fork type" connection.

SHORT LOCKING FORKS

All of the benefits of a locking fork, with a shortened tongue for tight space applications.

MULTIPLE STUD TERMINALS

"Teardrop" shaped tongue allows use with three different stud sizes.

Performance Requirements

	Wire Size (AWG)								
	#26	#24	#22	#20	#18	#16	#14	#12	#10
MIL-T-7928G (RING TERMINALS)									
Test Current (Amps)	3	4.5	9	11	16	22	32	41	55
Min. Tensile Strength* (Lbs.)	7	10	15	19	38	50	70	110	150
U.L. 486A (TERMINALS), UL310 (MALE BLADE ADAPTERS)									
Test Current for Max. 50°C Rise (Amps)	3.5	7	9	12	17	18	30	35	50
Min. Tensile Strength* (Lbs.)	3	5	8	13	20	30	50	70	80
U.L. 486C (SPLICES)									
Test Current for Max. 50°C Rise (Amps)	5.5	7	9	12	17	18	30	35	50
Min. Tensile Strength* (Lbs.)	3	5	8	10	10	15	25	35	40

*Pull-out force of the crimped terminal

Applicable *PAN-TERM* products meet or exceed the following test specifications:

- UL486A (Terminals)
- UL486C (Splices)
- UL310 (Blade Adapters)
- CSA C22.2 No. 65 (all designs)
- MIL-T-7928G (ring terminals, MS25036, MS20659)

MIL-T-7928G standard products are listed on Page 7 and Page 9.

UL and CSA listed products are shown with the applicable logos in the product section.

UL file #E52164, CSA File #LR31212

Part Number System (Example)

P	N	14	—	4	R	X	C

TYPE:
PAN-TERM
P = Seamed Barrel
S = Seamless Tubular Barrel

INSULATION
K = KYNAR▲ Insulated
N = Nylon Insulated
NF = Nylon Insulated Funnel Entry
V = Vinyl Insulated
= Non-Ins. (leave blank)

WIRE RANGE
22 = #26-22
18 = #22-18
14 = #16-14
12 = #16-12
10 = #12-10
8 = #8
6 = #6
4 = #4
2 = #2
1 = #1
1/0 = 1/0
2/0 = 2/0
3/0 = 3/0
4/0 = 4/0
250 = 250MCM

STUD SIZE
2 = #2
4 = #4
5 = #5
6 = #6
8 = #8
10 = #10
14 = 1/4"
56 = 5/16"
38 = 3/8"
76 = 7/16"
12 = 1/2"

TONGUE CONFIGURATION
R = Ring
HDR = Heavy Duty Ring
F = Fork
FF = Flanged Fork
LF = Locking Fork
SLF = Short Locking Fork
P = Pin

SPECIAL CONFIGURATION
N = Narrow Tongue
W = Wide Tongue
X = Expanded Insulation
= Non-Expanded Insulation (leave blank)
HT6 = High Temperature

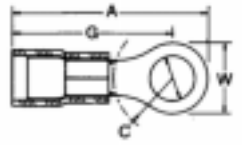
PACKAGE SIZE
5 = 5
X = 10
E = 20
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

 ▲KYNAR is a registered trademark of Elf Atochem North America.

RING TERMINALS

Nylon Insulated

- Insulation Grip Sleeve



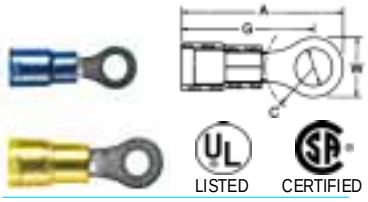
LISTED* CERTIFIED*

*EXCEPT #26-22 SIZES

Applicable sizes meet the requirements of Military Specification MIL-T-7928G and Military Standard MS25036. Applicable sizes Class 1 and/or Class 2 approved.

Nylon Insulated - Expanded Insulation

- Insulation Grip Sleeve
- For Large Wire Insulation O.D.



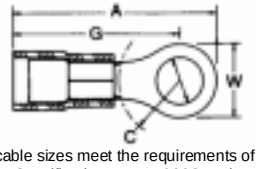
LISTED CERTIFIED

Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve

LISTED

CERTIFIED



Applicable sizes meet the requirements of Military Specification MIL-T-7928G and Military Standard MS25036. Applicable sizes Class 2 approved.

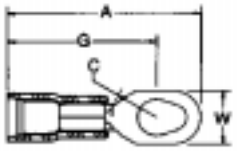
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Mil. Std. Part Number	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PN22-2R-C	26-22 .02 Stock	Yellow	.090	#2	.69	.20	.18	.59	—	100	1000	1000	6000
PN22-4R-C		Yellow	.090	#4	.69	.20	.18	.59	—	100	1000	1000	6000
PN22-6R-C		Yellow	.090	#6	.69	.20	.18	.59	—	100	1000	1000	6000
PN22-8R-C		Yellow	.090	#8	.78	.26	.26	.65	—	100	1000	1000	6000
PN22-10R-C		Yellow	.090	#10	.78	.31	.24	.62	—	100	1000	1000	6000
PN18-4RN-C	22-18 .03 Stock	Red	.145	#4	.74	.22	.18	.63	MS25036-148	100	500	1000	6000
PN18-4R-C		Red	.145	#4	.80	.25	.22	.67	—	100	500	1000	6000
PN18-6RN-C		Red	.145	#6	.77	.22	.18	.63	MS25036-101	100	500	1000	6000
PN18-6R-C		Red	.145	#6	.80	.25	.22	.67	MS25036-102	100	500	1000	6000
PN18-8R-C		Red	.145	#8	.86	.31	.25	.70	MS25036-149	100	500	1000	6000
PN18-10R-C		Red	.145	#10	.88	.31	.25	.70	MS25036-103	100	500	1000	6000
PN18-14R-C		Red	.145	1/4"	1.09	.45	.38	.80	MS25036-150	100	500	1000	6000
PN18-56R-C		Red	.145	5/16"	1.09	.46	.38	.84	MS25036-104	100	500	1000	6000
PN18-38R-C		Red	.145	3/8"	1.17	.53	.43	.91	MS25036-105	100	500	1000	6000
PN14-4R-C	16-14 .03 Stock	Blue	.162	#4	.78	.25	.20	.66	MS25036-152	100	500	1000	6000
PN14-6RN-C		Blue	.162	#6	.76	.25	.20	.63	MS25036-106	100	500	1000	6000
PN14-6R-C		Blue	.162	#6	.85	.31	.25	.71	MS25036-107	100	500	1000	6000
PN14-8R-C		Blue	.162	#8	.85	.31	.25	.68	MS25036-153	100	500	1000	6000
PN14-10R-C		Blue	.162	#10	.85	.31	.25	.68	MS25036-108	100	500	1000	6000
PN14-14R-C		Blue	.162	1/4"	1.05	.46	.38	.82	MS25036-154	100	500	1000	6000
PN14-56R-C		Blue	.162	5/16"	1.05	.46	.38	.82	MS25036-109	100	500	1000	6000
PN14-38R-L		Blue	.162	3/8"	1.14	.53	.43	.86	MS25036-110	50	500	1000	6000
PN10-6R-L	12-10 .04 Stock	Yellow	.225	#6	1.08	.37	.31	.90	MS25036-111	50	500	500	3000
PN10-8R-L		Yellow	.225	#8	1.08	.37	.31	.90	MS25036-156	50	500	500	3000
PN10-10R-L		Yellow	.225	#10	1.08	.38	.31	.90	MS25036-112	50	500	500	3000
PN10-14R-L		Yellow	.225	1/4"	1.26	.52	.38	.97	MS25036-157	50	500	500	3000
PN10-56R-L		Yellow	.225	5/16"	1.23	.52	.38	.97	MS25036-113	50	500	500	3000
PN10-38R-L		Yellow	.225	3/8"	1.33	.58	.43	1.02	MS25036-114	50	500	500	3000
PN14-4RX-C	16-14 .03 Stock	Blue	.200	#4	.84	.25	.20	.71	—	100	500	1000	6000
PN14-6RX-C		Blue	.200	#6	.93	.31	.25	.77	—	100	500	1000	6000
PN14-8RX-C		Blue	.200	#8	.93	.31	.25	.77	—	100	500	1000	6000
PN14-10RX-C		Blue	.200	#10	.93	.31	.25	.77	—	100	500	1000	6000
PN14-14RX-C		Blue	.200	1/4"	1.13	.46	.38	.90	—	100	500	1000	6000
PN14-56RX-C		Blue	.200	5/16"	1.13	.46	.38	.90	—	100	500	1000	6000
PN14-38RX-L		Blue	.200	3/8"	1.22	.53	.43	.95	—	50	500	1000	6000
PN10-6RX-L	12-10 .04 Stock	Yellow	.265	#6	1.13	.37	.33	.94	—	50	500	500	3000
PN10-8RX-L		Yellow	.265	#8	1.13	.37	.33	.94	—	50	500	500	3000
PN10-10RX-L		Yellow	.265	#10	1.13	.37	.33	.94	—	50	500	500	3000
PN10-14RX-L		Yellow	.265	1/4"	1.27	.52	.42	1.01	—	50	500	500	3000
PN10-56RX-L		Yellow	.265	5/16"	1.27	.52	.42	1.01	—	50	500	500	3000
PN10-38RX-L		Yellow	.265	3/8"	1.35	.58	.46	1.06	—	50	500	500	3000
PNF18-4R-C	22-18 .03 Stock	Red	.136	#4	.77	.25	.20	.65	—	100	500	1000	6000
PNF18-6RN-C		Red	.136	#6	.76	.22	.18	.65	MS25036-101	100	500	1000	6000
PNF18-6R-C		Red	.136	#6	.77	.25	.20	.63	MS25036-102	100	500	1000	6000
PNF18-8R-C		Red	.136	#8	.87	.31	.24	.72	MS25036-149	100	500	1000	6000
PNF18-10R-C		Red	.136	#10	.87	.32	.25	.72	MS25036-103	100	500	1000	6000
PNF18-14R-C		Red	.136	1/4"	1.08	.46	.38	.85	MS25036-150	100	500	1000	6000
PNF18-56R-C		Red	.136	5/16"	1.08	.46	.39	.85	MS25036-104	100	500	1000	6000
PNF18-38R-C		Red	.136	3/8"	1.16	.53	.41	.90	MS25036-105	100	500	1000	6000
PNF14-4R-C	16-14 .03 Stock	Blue	.162	#4	.78	.25	.18	.66	MS25036-152	100	500	1000	6000
PNF14-6RN-C		Blue	.162	#6	.78	.25	.18	.63	MS25036-106	100	500	1000	6000
PNF14-6R-C		Blue	.162	#6	.87	.31	.24	.71	MS25036-107	100	500	1000	6000
PNF14-8R-C		Blue	.162	#8	.87	.31	.25	.71	MS25036-153	100	500	1000	6000
PNF14-10R-C		Blue	.162	#10	.85	.31	.29	.71	MS25036-108	100	500	1000	6000
PNF14-14R-C		Blue	.162	1/4"	1.06	.46	.40	.85	MS25036-154	100	500	1000	6000
PNF14-56R-C		Blue	.162	5/16"	1.06	.46	.40	.85	MS25036-109	100	500	1000	6000
PNF14-38R-L		Blue	.162	3/8"	1.14	.53	.45	.89	MS25036-110	50	500	1000	6000
PNF10-6R-L	12-10 .04 Stock	Yellow	.225	#6	1.12	.37	.31	.91	MS25036-111	50	500	500	3000
PNF10-8R-L		Yellow	.225	#8	1.12	.37	.31	.91	MS25036-156	50	500	500	3000
PNF10-10R-L		Yellow	.225	#10	1.10	.37	.31	.89	MS25036-112	50	500	500	3000
PNF10-14R-L		Yellow	.225	1/4"	1.25	.52	.38	.98	MS25036-157	50	500	500	3000
PNF10-56R-L		Yellow	.225	5/16"	1.21	.52	.38	.98	MS25036-113	50	500	500	3000
PNF10-38R-L		Yellow	.225	3/8"	1.35	.58	.43	1.04	MS25036-114	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities. L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

MULTI-STUD TERMINALS

Nylon Insulated - Multiple Stud

- Insulation Grip Sleeve
- Single Terminal for #6, #8 and #10 Size Studs

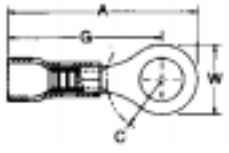


LISTED CERTIFIED

RING TERMINALS

Vinyl Insulated - Funnel Entry

- Insulation Support
- Brazed Seam

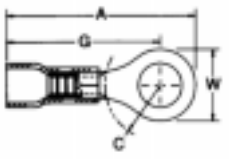


LISTED CERTIFIED*

*Except #26-22 Sizes

Vinyl Insulated - Expanded Insulation

- For Large Wire Insulation O.D.
- Insulation Support
- Brazed Seam



LISTED CERTIFIED

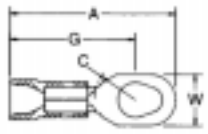
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PN18-610R-C	22-18	Red	.145	6,8,10	.95	.31	.25	.70	100	500	1000	6000
PN14-610R-C	16-14	Blue	.162	6,8,10	.95	.31	.25	.70	100	500	1000	6000
PN10-610R-L	12-10	Yellow	.225	6,8,10	1.15	.37	.31	.87	50	500	500	3000
PV22-2R-C	26-22 .02 Stock	Yellow	.110	#2	.68	.21	.18	.58	100	1000	1000	6000
PV22-4R-C		Yellow	.110	#4	.68	.21	.18	.58	100	1000	1000	6000
PV22-6R-C		Yellow	.110	#6	.68	.21	.18	.58	100	1000	1000	6000
PV22-8R-C		Yellow	.110	#8	.78	.26	.26	.65	100	1000	1000	6000
PV22-10R-C		Yellow	.110	#10	.78	.32	.24	.62	100	1000	1000	6000
PV18-4R-C	22-18 .03 Stock	Red	.150	#4	.84	.25	.22	.69	100	500	1000	6000
PV18-6R-C		Red	.150	#6	.86	.25	.22	.70	100	500	1000	6000
PV18-8R-C		Red	.150	#8	.91	.31	.26	.78	100	500	1000	6000
PV18-10R-C		Red	.150	#10	.94	.31	.27	.78	100	500	1000	6000
PV18-14R-C		Red	.150	1/4"	1.11	.46	.37	.88	100	500	1000	6000
PV18-56R-C		Red	.150	5/16"	1.11	.46	.39	.88	100	500	1000	6000
PV18-38R-C		Red	.150	3/8"	1.19	.53	.42	.96	100	500	1000	6000
PV14-4R-C	16-14 .03 Stock	Blue	.170	#4	.84	.25	.19	.71	100	500	1000	6000
PV14-6RN-C		Blue	.170	#6	.84	.25	.19	.71	100	500	1000	6000
PV14-6R-C		Blue	.170	#6	.92	.31	.25	.76	100	500	1000	6000
PV14-8R-C		Blue	.170	#8	.92	.31	.25	.76	100	500	1000	6000
PV14-10R-C		Blue	.170	#10	.92	.31	.25	.76	100	500	1000	6000
PV14-14R-C		Blue	.170	1/4"	1.12	.46	.38	.89	100	500	1000	6000
PV14-56R-C		Blue	.170	5/16"	1.12	.46	.38	.89	100	500	1000	6000
PV14-38R-L		Blue	.170	3/8"	1.21	.53	.43	.94	50	500	1000	6000
PV10-6R-L	12-10 .04 Stock	Yellow	.225	#6	1.05	.31	.31	.89	50	500	500	3000
PV10-8R-L		Yellow	.225	#8	1.05	.31	.31	.89	50	500	500	3000
PV10-10R-L		Yellow	.225	#10	1.05	.31	.31	.89	50	500	500	3000
PV10-14R-L		Yellow	.225	1/4"	1.23	.52	.38	.97	50	500	500	3000
PV10-56R-L		Yellow	.225	5/16"	1.23	.52	.38	.97	50	500	500	3000
PV10-38R-L		Yellow	.225	3/8"	1.31	.58	.41	1.02	50	500	500	3000
PV18-4RX-C	22-18 .03 Stock	Red	.170	#4	.88	.25	.22	.76	100	500	1000	6000
PV18-6RX-C		Red	.170	#6	.89	.25	.22	.76	100	500	1000	6000
PV18-8RX-C		Red	.170	#8	.97	.31	.27	.81	100	500	1000	6000
PV18-10RX-C		Red	.170	#10	.96	.31	.27	.80	100	500	1000	6000
PV18-14RX-C		Red	.170	1/4"	1.17	.46	.40	.92	100	500	1000	6000
PV18-56RX-C		Red	.170	5/16"	1.17	.46	.40	.92	100	500	1000	6000
PV18-38RX-C		Red	.170	3/8"	1.25	.53	.45	.95	100	500	1000	6000
PV14-4RX-C	16-14 .03 Stock	Blue	.200	#4	.87	.25	.19	.75	100	500	1000	6000
PV14-6RX-C		Blue	.200	#6	.96	.31	.25	.81	100	500	1000	6000
PV14-8RX-C		Blue	.200	#8	.96	.31	.25	.81	100	500	1000	6000
PV14-10RX-C		Blue	.200	#10	.96	.31	.25	.81	100	500	1000	6000
PV14-14RX-C		Blue	.200	1/4"	1.16	.46	.37	.95	100	500	1000	6000
PV14-56RX-C		Blue	.200	5/16"	1.16	.46	.37	.95	100	500	1000	6000
PV14-38RX-L		Blue	.200	3/8"	1.25	.53	.42	.99	50	500	1000	6000
PV10-6RX-L	12-10 .04 Stock	Yellow	.250	#6	1.10	.31	.30	.93	50	500	500	3000
PV10-8RX-L		Yellow	.250	#8	1.10	.31	.30	.93	50	500	500	3000
PV10-10RX-L		Yellow	.250	#10	1.10	.31	.30	.93	50	500	500	3000
PV10-14RX-L		Yellow	.250	1/4"	1.29	.52	.39	1.00	50	500	500	3000
PV10-56RX-L		Yellow	.250	5/16"	1.29	.52	.42	1.00	50	500	500	3000
PV10-38RX-L		Yellow	.250	3/8"	1.39	.58	.46	1.08	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

MULTIPLE STUD TERMINALS

Vinyl Insulated - Funnel Entry, Multiple Stud

- Insulation Support



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CERTIFIED

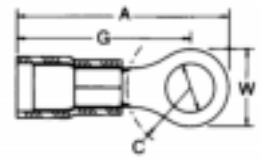
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PV18-610R-C	22-18	Red	.150	6,8,10	1.00	.31	.25	.75	100	500	1000	6000
PV14-610R-C	16-14	Blue	.170	6,8,10	1.00	.31	.25	.75	100	500	1000	6000
PV10-610R-L	12-10	Yellow	.225	6,8,10	1.17	.37	.31	.89	50	500	500	3000

RING TERMINALS

KYNAR‡ Insulated

- Insulation Grip Sleeve
- For Nuclear Containment Areas and High Temperature (to 150°C) Applications
- Color Code: White with One Color Stripe

LISTED



‡ KYNAR is a registered trademark of Elf Atochem North America.

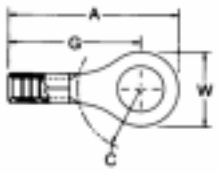
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PK18-4R-C	22-18 .03 Stock	Red	.145	#4	.75	.25	.22	.63	100	500	1000	6000
PK18-6R-C		Red	.145	#6	.78	.25	.22	.63	100	500	1000	6000
PK18-8R-C		Red	.145	#8	.84	.31	.29	.69	100	500	1000	6000
PK18-10R-C		Red	.145	#10	.84	.31	.29	.69	100	500	1000	6000
PK18-14R-C		Red	.145	1/4"	1.05	.46	.40	.82	100	500	1000	6000
PK18-56R-C		Red	.145	5/16"	1.05	.46	.40	.82	100	500	1000	6000
PK18-38R-C		Red	.145	3/8"	1.13	.53	.45	.87	100	500	1000	6000
PK14-4R-C	16-14 .03 Stock	Blue	.162	#4	.75	.25	.22	.63	100	500	1000	6000
PK14-6R-C		Blue	.162	#6	.84	.31	.29	.68	100	500	1000	6000
PK14-8R-C		Blue	.162	#8	.84	.31	.29	.68	100	500	1000	6000
PK14-10R-C		Blue	.162	#10	.84	.31	.29	.68	100	500	1000	6000
PK14-14R-C		Blue	.162	1/4"	1.05	.46	.40	.82	100	500	1000	6000
PK14-56R-C		Blue	.162	5/16"	1.05	.46	.40	.82	100	500	1000	6000
PK14-38R-C		Blue	.162	3/8"	1.13	.53	.45	.86	100	500	1000	6000
PK10-6R-L	12-10 .04 Stock	Yellow	.225	#6	1.03	.37	.33	.84	50	500	500	3000
PK10-8R-L		Yellow	.225	#8	1.03	.37	.33	.84	50	500	500	3000
PK10-10R-L		Yellow	.225	#10	1.03	.37	.33	.84	50	500	500	3000
PK10-14R-L		Yellow	.225	1/4"	1.18	.52	.42	.92	50	500	500	3000
PK10-56R-L		Yellow	.225	5/16"	1.18	.52	.42	.92	50	500	500	3000
PK10-38R-L		Yellow	.225	3/8"	1.26	.58	.46	.97	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

RING TERMINALS

Non-Insulated

- Brazed Seam
- Beveled Wire Lead-In



LISTED* CERTIFIED*

*Except #26-22 Sizes

Applicable sizes meet the requirements of Military Specification MIL-T-7928G and Military Standard MS20659. Applicable sizes Class 1 and/or Class 2 approved.

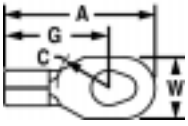
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Mil. Std. Part Number	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
P22-2R-C	26-22 .02 Stock	—	—	#2	.52	.20	.16	.42	—	100	1000	1000	10,000
P22-4R-C		—	—	#4	.52	.20	.16	.42	—	100	1000	1000	10,000
P22-6R-C		—	—	#6	.52	.20	.16	.42	—	100	1000	1000	10,000
P22-8R-C		—	—	#8	.63	.26	.25	.50	—	100	1000	1000	10,000
P22-10R-C		—	—	#10	.63	.31	.22	.47	—	100	1000	1000	10,000
P18-4R-C	22-18 .03 Stock	—	—	#4	.62	.25	.21	.50	—	100	1000	1000	10,000
P18-6RN-C		—	—	#6	.60	.22	.19	.49	—	100	1000	1000	10,000
P18-6R-C		—	—	#6	.62	.25	.21	.50	—	100	1000	1000	10,000
P18-8R-C		—	—	#8	.71	.31	.25	.55	—	100	1000	1000	10,000
P18-10R-C		—	—	#10	.71	.31	.25	.55	—	100	1000	1000	10,000
P18-14R-C		—	—	1/4"	.91	.46	.38	.68	—	100	1000	1000	10,000
P18-56R-C		—	—	5/16"	.91	.46	.38	.68	—	100	1000	1000	10,000
P18-38R-C		—	—	3/8"	1.00	.53	.43	.73	—	100	1000	1000	10,000
P14-4R-C	16-14 .03 Stock	—	—	#4	.62	.25	.20	.50	—	100	1000	1000	10,000
P14-6R-C		—	—	#6	.62	.25	.20	.50	—	100	1000	1000	10,000
P14-8R-C		—	—	#8	.71	.31	.25	.55	—	100	1000	1000	10,000
P14-10R-C		—	—	#10	.71	.31	.25	.55	—	100	1000	1000	10,000
P14-14R-C		—	—	1/4"	.91	.46	.38	.68	—	100	1000	1000	10,000
P14-56R-C		—	—	5/16"	.91	.46	.38	.68	—	100	1000	1000	10,000
P14-38R-C		—	—	3/8"	1.00	.53	.43	.73	—	100	1000	1000	10,000
P10-6R-L	12-10 .04 Stock	—	—	#6	.78	.31	.31	.62	MS20659-165	50	500	500	5000
P10-8R-L		—	—	#8	.78	.31	.31	.62	—	50	500	500	5000
P10-10R-L		—	—	#10	.81	.38	.31	.62	MS20659-105	50	500	500	5000
P10-14R-L		—	—	1/4"	.96	.52	.38	.70	—	50	500	500	5000
P10-56R-L		—	—	5/16"	.95	.52	.38	.70	MS20659-106	50	500	500	5000
P10-38R-L		—	—	3/8"	1.05	.58	.44	.75	MS20659-128	50	500	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

MULTI-STUD TERMINALS

Non-Insulated - Multiple Stud

- Brazed Seam
- Single Terminal for #6, #8, and #10 Size Studs



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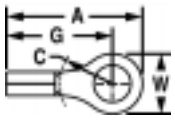
CERTIFIED

Part Number	Wire Range	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
P18-610R-C	22-18	6,8,10	.80	.31	.25	.55	100	500	1000	10,000
P14-610R-C	16-14	6,8,10	.80	.31	.25	.55	100	500	1000	10,000
P10-610R-L	12-10	6,8,10	.90	.37	.31	.62	50	500	500	3000

RING TERMINALS

Non-Insulated - High Temperature

- Brazed Seam
- Beveled Wire Lead-In
- For Temperatures up to 650°F (343°C)
- Material: Nickel Plated Copper



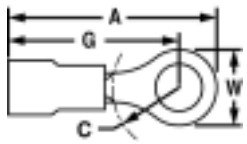
Part Number	Wire Range	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
P18-6RHT6-C	22-18 .03 Stock	#6	.62	.25	.21	.50	100	1000	1000	10,000
P18-8RHT6-C		#8	.71	.31	.25	.55	100	1000	1000	10,000
P18-10RHT6-C		#10	.71	.31	.25	.55	100	1000	1000	10,000
P14-6RHT6-C	16-14 .03 Stock	#6	.62	.25	.20	.50	100	1000	1000	10,000
P14-8RHT6-C		#8	.71	.31	.25	.55	100	1000	1000	10,000
P14-10RHT6-C		#10	.71	.31	.25	.55	100	1000	1000	10,000
P10-6RHT6-L	12-10 .04 Stock	#6	.78	.31	.35	.62	50	500	500	5000
P10-8RHT6-L		#8	.78	.31	.35	.62	50	500	500	5000
P10-10RHT6-L		#10	.81	.38	.33	.62	50	500	500	5000
P10-14RHT6-L		1/4"	.96	.53	.42	.70	50	500	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

RING TERMINALS HEAVY DUTY

Nylon Insulated

- Insulation Grip Sleeve
- Manufactured from stock 56% thicker than a standard #16-14 AWG terminal
- Designed for use in demanding applications such as off-the-road equipment and electric utilities
- Expanded Insulation for Large Wire Insulation O.D.



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CERTIFIED

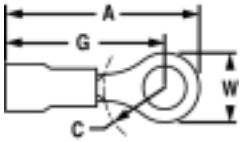
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PN12-6HDR-L	16-12 .05 Stock	Yellow	.225	#6	1.06	.31	.35	.91	50	500	500	3000
PN12-8HDR-L		Yellow	.225	#8	1.06	.31	.35	.90	50	500	500	3000
PN12-10HDR-L		Yellow	.225	#10	1.09	.37	.33	.89	50	500	500	3000
PN12-14HDR-L		Yellow	.225	1/4"	1.24	.52	.42	.98	50	500	500	3000
PN12-56HDR-L		Yellow	.225	5/16"	1.24	.52	.42	.98	50	500	500	3000
PN12-38HDR-L		Yellow	.225	3/8"	1.30	.58	.46	1.02	50	500	500	3000
EXPANDED INSULATION												
PN12-6HDRX-L	16-12 .05 Stock	Yellow	.265	#6	1.04	.31	.33	.94	50	500	500	3000
PN12-8HDRX-L		Yellow	.265	#8	1.10	.37	.33	.94	50	500	500	3000
PN12-10HDRX-L		Yellow	.265	#10	1.13	.37	.31	.94	50	500	500	3000
PN12-14HDRX-L		Yellow	.265	1/4"	1.27	.52	.40	1.01	50	500	500	3000
PN12-56HDRX-L		Yellow	.265	5/16"	1.27	.52	.40	1.01	50	500	500	3000
PN12-38HDRX-L		Yellow	.265	3/8"	1.35	.58	.44	1.06	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., D = 500 pcs., and M = 1000 pcs.

RING TERMINALS HEAVY DUTY

Vinyl Insulated - Funnel Entry

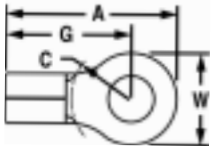
- Insulation Support
- Brazed Seam



LISTED CERTIFIED

Non-Insulated

- Brazed Seam
- Beveled Wire Lead-In



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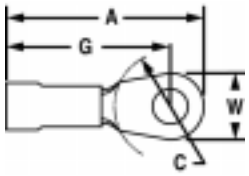
RING TERMINALS LARGE WIRE

Vinyl Insulated

- Insulation Support
- Brazed Seam
- #8 through #2 AWG wire sizes. Heavy duty construction for demanding applications



LISTED CERTIFIED

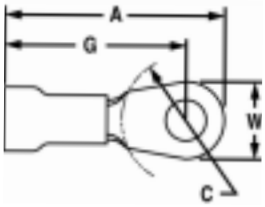
Part Number	Wire Range	Color code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PV12-6HDR-L	16-12 .05 Stock	Yellow	.225	#6	1.05	.31	.35	.89	50	500	500	3000
PV12-8HDR-L		Yellow	.225	#8	1.05	.31	.35	.89	50	500	500	3000
PV12-10HDR-L		Yellow	.225	#10	1.08	.37	.33	.89	50	500	500	3000
PV12-14HDR-L		Yellow	.225	1/4"	1.23	.52	.42	.97	50	500	500	3000
PV12-56HDR-L		Yellow	.225	5/16"	1.23	.52	.42	.97	50	500	500	3000
PV12-38HDR-L		Yellow	.225	3/8"	1.31	.58	.46	1.02	50	500	500	3000
EXPANDED INSULATION												
PV12-6HDRX-L	16-12 .05 Stock	Yellow	.250	#6	1.08	.31	.33	.95	50	500	500	3000
PV12-8HDRX-L		Yellow	.250	#8	1.08	.31	.33	.95	50	500	500	3000
PV12-10HDRX-L		Yellow	.250	#10	1.15	.37	.31	.95	50	500	500	3000
PV12-14HDRX-L		Yellow	.250	1/4"	1.30	.52	.40	1.03	50	500	500	3000
PV12-56HDRX-L		Yellow	.250	5/16"	1.30	.52	.40	1.03	50	500	500	3000
PV12-38HDRX-L		Yellow	.250	3/8"	1.38	.58	.44	1.10	50	500	500	3000
P12-6HDR-L	16-12 .05 Stock	—	—	#6	.78	.31	.36	.62	50	500	500	5000
P12-8HDR-L		—	—	#8	.78	.31	.36	.62	50	500	500	5000
P12-10HDR-L		—	—	#10	.81	.37	.36	.62	50	500	500	5000
P12-14HDR-L		—	—	1/4"	.96	.52	.43	.70	50	500	500	5000
P12-56HDR-L		—	—	5/6"	.96	.52	.43	.70	50	500	500	5000
P12-38HDR-L		—	—	3/8"	1.04	.58	.48	.75	50	500	500	5000
PV8-8R-Q	8 .040 Stock	Red	.280	#8	1.51	.42	.43	1.29	25	250	200	1200
PV8-10R-Q		Red	.280	#10	1.53	.47	.43	1.29	25	250	200	1200
PV8-14R-Q		Red	.280	1/4"	1.53	.47	.43	1.29	25	250	200	1200
PV8-56R-Q		Red	.280	5/16"	1.64	.59	.49	1.34	25	250	200	1200
PV8-38R-Q		Red	.280	3/8"	1.64	.59	.51	1.34	25	250	200	1200
PV8-12R-Q		Red	.280	1/2"	1.74	.82	.54	1.34	25	250	200	1200
PV6-8R-E	6 .045 Stock	Blue	.340	#8	1.61	.47	.43	1.38	20	200	200	1200
PV6-10R-E		Blue	.340	#10	1.62	.47	.43	1.38	20	200	200	1200
PV6-14R-E		Blue	.340	1/4"	1.65	.47	.48	1.38	20	200	200	1200
PV6-56R-E		Blue	.340	5/16"	1.74	.62	.53	1.44	20	200	200	1200
PV6-38R-E		Blue	.340	3/8"	1.74	.62	.51	1.44	20	200	200	1200
PV6-12R-E		Blue	.340	1/2"	1.84	.82	.51	1.44	20	200	200	1200
PV4-10R-E	4 .050 Stock	Yellow	.450	#10	1.88	.55	.50	1.61	20	200	200	1200
PV4-14R-E		Yellow	.450	1/4"	1.88	.55	.50	1.61	20	200	200	1200
PV4-56R-E		Yellow	.450	5/16"	1.95	.68	.50	1.61	20	200	200	1200
PV4-38R-E		Yellow	.450	3/8"	1.95	.68	.50	1.61	20	200	200	1200
PV4-12R-E		Yellow	.450	1/2"	2.04	.86	.50	1.61	20	200	200	1200
PV2-10R-X	2 .060 Stock	Red	.560	#10	1.96	.68	.58	1.62	10	100	200	1200
PV2-14R-X		Red	.560	1/4"	1.96	.68	.58	1.62	10	100	200	1200
PV2-56R-X		Red	.560	5/16"	1.96	.68	.58	1.62	10	100	200	1200
PV2-38R-X		Red	.560	3/8"	1.96	.68	.58	1.62	10	100	200	1200
PV2-12R-X		Red	.560	1/2"	2.05	.86	.58	1.62	10	100	200	1200

Order the number of pieces required in multiples of standard package quantities.
X = 10 pcs., E = 20 pcs., Q = 25 pcs., L = 50 pcs., T = 200 pcs., and D = 500 pcs.

RING TERMINALS LARGE WIRE

Vinyl Expanded Insulation

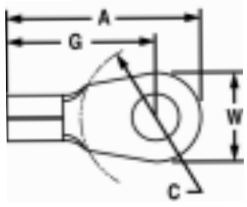
- For Large Wire Insulation O.D.
- Insulation Support
- Brazed Seam



LISTED CERTIFIED

Non-Insulated

- Brazed Seam
- Beveled Wire Lead-In

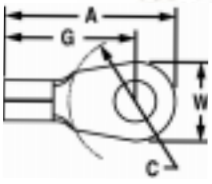


LISTED CERTIFIED

HEAVY DUTY - LARGE WIRE

Non-Insulated

- Brazed Seam
- Extra Thick Tongue for High Strength Applications
- Tin Plated Copper
- UL Listed and CSA Certified for 302°F (150° C) Maximum Operating Temperature



LISTED CERTIFIED

Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Ctn. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PV8-8RX-Q	8 .040 Stock	Red	.360	#8	1.50	.42	.43	1.29	25	250	200	1200
PV8-10RX-Q		Red	.360	#10	1.52	.47	.43	1.29	25	250	200	1200
PV8-14RX-Q		Red	.360	1/4"	1.52	.47	.43	1.29	25	250	200	1200
PV8-56RX-Q		Red	.360	5/16"	1.62	.59	.51	1.33	25	250	200	1200
PV8-38RX-Q		Red	.360	3/8"	1.62	.59	.51	1.33	25	250	200	1200
PV8-12RX-Q		Red	.360	1/2"	1.74	.82	.51	1.33	25	250	200	1200
PV6-8RX-E	6 .045 Stock	Blue	.436	#8	1.61	.47	.43	1.37	20	200	200	1200
PV6-10RX-E		Blue	.436	#10	1.61	.47	.43	1.37	20	200	200	1200
PV6-14RX-E		Blue	.436	1/4"	1.61	.47	.43	1.37	20	200	200	1200
PV6-56RX-E		Blue	.436	5/16"	1.73	.62	.51	1.42	20	200	200	1200
PV6-38RX-E		Blue	.436	3/8"	1.73	.62	.53	1.42	20	200	200	1200
PV6-12RX-E		Blue	.436	1/2"	1.83	.82	.53	1.42	20	200	200	1200
PV4-10RX-E	4 .050 Stock	Yellow	.515	#10	1.87	.55	.53	1.60	20	200	200	1200
PV4-14RX-E		Yellow	.515	1/4"	1.87	.55	.53	1.60	20	200	200	1200
PV4-56RX-E		Yellow	.515	5/16"	1.94	.68	.53	1.60	20	200	200	1200
PV4-38RX-E		Yellow	.515	3/8"	1.94	.68	.53	1.60	20	200	200	1200
PV4-12RX-E		Yellow	.515	1/2"	2.03	.86	.53	1.60	20	200	200	1200
PV2-10RX-X	2 .060 Stock	Red	.610	#10	1.95	.68	.57	1.61	10	100	200	1200
PV2-14RX-X		Red	.610	1/4"	1.93	.68	.57	1.61	10	100	200	1200
PV2-56RX-X		Red	.610	5/16"	1.93	.68	.57	1.61	10	100	200	1200
PV2-38RX-X		Red	.610	3/8"	1.94	.69	.57	1.61	10	100	200	1200
PV2-12RX-X		Red	.610	1/2"	2.20	.86	.57	1.61	10	100	200	1200
P8-8R-Q	8 .040 Stock	—	—	#8	1.12	.42	.43	.91	25	250	200	2000
P8-10R-Q		—	—	#10	1.14	.47	.43	.91	25	250	200	2000
P8-14R-Q		—	—	1/4"	1.14	.47	.43	.91	25	250	200	2000
P8-56R-Q		—	—	5/16"	1.25	.59	.51	.95	25	250	200	2000
P8-38R-Q		—	—	3/8"	1.25	.59	.51	.95	25	250	200	2000
P8-12R-Q		—	—	1/2"	1.36	.82	.51	.95	25	250	200	2000
P6-8R-E	6 .045 Stock	—	—	#8	1.21	.47	.43	.97	20	200	200	2000
P6-10R-E		—	—	#10	1.21	.47	.43	.97	20	200	200	2000
P6-14R-E		—	—	1/4"	1.21	.47	.43	.97	20	200	200	2000
P6-56R-E		—	—	5/16"	1.33	.62	.51	1.02	20	200	200	2000
P6-38R-E		—	—	3/8"	1.33	.62	.51	1.02	20	200	200	2000
P6-12R-E		—	—	1/2"	1.43	.82	.51	1.02	20	200	200	2000
P4-10R-E	4 .050 Stock	—	—	#10	1.40	.55	.50	1.12	20	200	200	2000
P4-14R-E		—	—	1/4"	1.40	.55	.50	1.12	20	200	200	2000
P4-56R-E		—	—	5/16"	1.46	.68	.50	1.12	20	200	200	2000
P4-38R-E		—	—	3/8"	1.46	.68	.50	1.12	20	200	200	2000
P4-12R-E		—	—	1/2"	1.55	.86	.53	1.12	20	200	200	2000
P2-10R-X	2 .060 Stock	—	—	#10	1.46	.68	.58	1.12	10	100	200	2000
P2-14R-X		—	—	1/4"	1.46	.68	.58	1.12	10	100	200	2000
P2-56R-X		—	—	5/16"	1.46	.68	.58	1.12	10	100	200	2000
P2-38R-X		—	—	3/8"	1.46	.68	.58	1.12	10	100	200	2000
P2-12R-X		—	—	1/2"	1.55	.86	.58	1.12	10	100	200	2000
P8-8HDR-Q	8 .065 Stock	—	—	#8	1.12	.42	.43	.91	25	250	200	2000
P8-10HDR-Q		—	—	#10	1.14	.47	.43	.91	25	250	200	2000
P8-14HDR-Q		—	—	1/4"	1.14	.47	.43	.91	25	250	200	2000
P8-56HDR-Q		—	—	5/16"	1.25	.59	.51	.95	25	250	200	2000
P8-38HDR-Q		—	—	3/8"	1.25	.59	.51	.95	25	250	200	2000
P8-12HDR-Q		—	—	1/2"	1.36	.82	.51	.95	25	250	200	2000
P6-8HDR-E	6 .065 Stock	—	—	#8	1.21	.47	.43	.97	20	100	200	2000
P6-10HDR-E		—	—	#10	1.21	.47	.43	.97	20	100	200	2000
P6-14HDR-E		—	—	1/4"	1.21	.47	.43	.97	20	100	200	2000
P6-56HDR-E		—	—	5/16"	1.33	.62	.51	1.02	20	100	200	2000
P6-38HDR-E		—	—	3/8"	1.33	.62	.51	1.02	20	100	200	2000
P6-12HDR-E		—	—	1/2"	1.43	.82	.51	1.02	20	100	200	2000
P4-10HDR-E	4 .070 Stock	—	—	#10	1.40	.55	.50	1.12	20	100	200	2000
P4-14HDR-E		—	—	1/4"	1.40	.55	.50	1.12	20	100	200	2000
P4-56HDR-E		—	—	5/16"	1.46	.68	.50	1.12	20	100	200	2000
P4-38HDR-E		—	—	3/8"	1.46	.68	.50	1.12	20	100	200	2000
P4-12HDR-E		—	—	1/2"	1.55	.86	.53	1.12	20	100	200	2000

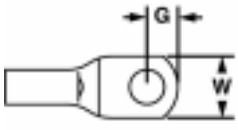
Order the number of pieces required in multiples of standard package quantities.
X = 10 pcs., E = 20 pcs., Q = 25 pcs., C = 100 pcs., T = 200 pcs., D = 500 pcs. and M = 1000 pcs.

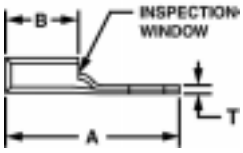
TUBULAR RING TERMINALS

NEW!

Non-Insulated

- Seamless Tubular Barrel
- Beveled Wire Lead-In
- Double Thick Tongue





LISTED

CERTIFIED

Part Number	Wire Range	Stud Hole	Dimensions in Inches							Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
			Barrel										
			ID	OD	A	B	G	T	W				
S8-10R-Q	8	#10	.18	.27	1.08	.40	.20	.06	.41	25	250	200	800
S8-14R-Q		1/4"	.18	.27	1.16	.40	.28	.06	.46	25	250	200	800
S8-56R-Q		5/16"	.18	.27	1.22	.40	.28	.06	.57	25	250	200	800
S8-38R-Q		3/8"	.18	.27	1.28	.40	.28	.06	.57	25	250	200	800
S6-10R-E	6	#10	.22	.31	1.25	.48	.24	.06	.48	20	200	200	800
S6-14R-E		1/4"	.22	.31	1.28	.48	.24	.06	.48	20	200	200	800
S6-56R-E		5/16"	.22	.31	1.34	.48	.30	.06	.60	20	200	200	800
S6-38R-E		3/8"	.22	.31	1.40	.48	.30	.06	.60	20	200	200	800
S4-10R-E	4	#10	.28	.38	1.39	.48	.28	.07	.55	20	200	200	800
S4-14R-E		1/4"	.28	.38	1.35	.48	.28	.07	.55	20	200	200	800
S4-56R-E		5/16"	.28	.38	1.36	.48	.31	.07	.63	20	200	200	800
S4-38R-E		3/8"	.28	.38	1.38	.48	.31	.07	.63	20	200	200	800
S2-10R-X	2&1	#10	.36	.47	1.68	.59	.35	.08	.69	10	100	200	800
S2-14R-X		1/4"	.36	.47	1.68	.59	.35	.08	.69	10	100	200	800
S2-56R-X		5/16"	.36	.47	1.66	.59	.35	.08	.69	10	100	200	800
S2-38R-X		3/8"	.36	.47	1.66	.59	.35	.08	.69	10	100	200	800
S2-12R-X		1/2"	.36	.47	1.84	.59	.39	.08	.77	10	100	200	800
S1/0-14R-X	1/0	1/4"	.39	.52	1.83	.58	.38	.10	.76	10	100	100	400
S1/0-56R-X		5/16"	.39	.52	1.83	.58	.38	.10	.76	10	100	100	400
S1/0-38R-X		3/8"	.39	.52	1.83	.58	.38	.10	.76	10	100	100	400
S1/0-12R-X		1/2"	.39	.52	1.97	.58	.41	.10	.81	10	100	100	400
S2/0-14R-X	2/0	1/4"	.45	.58	1.93	.66	.42	.10	.83	10	100	100	400
S2/0-56R-X		5/16"	.45	.58	1.95	.66	.42	.10	.83	10	100	100	400
S2/0-38R-X		3/8"	.45	.58	2.02	.66	.42	.10	.83	10	100	100	400
S2/0-76R-X		7/16"	.45	.58	2.08	.66	.44	.10	.88	10	100	100	400
S2/0-12R-X		1/2"	.45	.58	2.08	.66	.44	.10	.88	10	100	100	400
S3/0-14R-5	3/0	1/4"	.51	.64	2.11	.83	.47	.10	.94	5	50	100	400
S3/0-56R-5		5/16"	.51	.64	2.09	.83	.47	.10	.94	5	50	100	400
S3/0-38R-5		3/8"	.51	.64	2.16	.83	.47	.10	.94	5	50	100	400
S3/0-76R-5		7/16"	.51	.64	2.17	.83	.47	.10	.94	5	50	100	400
S3/0-12R-5		1/2"	.51	.64	2.17	.83	.47	.10	.94	5	50	100	400
S4/0-56R-5	4/0	5/16"	.57	.71	2.37	.91	.52	.11	1.03	5	50	100	400
S4/0-38R-5		3/8"	.57	.71	2.37	.91	.52	.11	1.03	5	50	100	400
S4/0-76R-5		7/16"	.57	.71	2.40	.91	.52	.11	1.03	5	50	100	400
S4/0-12R-5		1/2"	.57	.71	2.40	.91	.52	.11	1.03	5	50	100	400
S250-56R-5	250	5/16"	.63	.77	2.61	1.01	.56	.12	1.12	5	50	100	—
S250-38R-5		3/8"	.63	.77	2.63	1.01	.56	.12	1.12	5	50	100	—
S250-76R-5		7/16"	.63	.77	2.74	1.01	.56	.12	1.12	5	50	100	—
S250-12R-5		1/2"	.63	.77	2.74	1.01	.56	.12	1.12	5	50	100	—

Order the number of pieces required in multiples of standard package quantities. 5 = 5 pcs., X = 10 pcs. E = 20 pcs., Q = 25 pcs., C = 100 pcs., and T = 200 pcs.

Selection Guide for Tubular Ring Terminal Tools & Dies

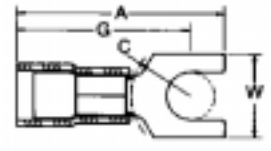
Installation Tools and Dies shown on *Page 49*.

PANDUIT Part Number	S8-10R-Q S8-14R-Q S8-56R-Q S8-38R-Q	S6-10R-E S6-14R-E S6-56R-E S6-38R-E	S4-10R-E S4-14R-E S4-56R-E S4-38R-E	S2-10R-X S2-14R-X S2-56R-X S2-38R-X S2-12R-X	S1/0-14R-X S1/0-56R-X S1/0-38R-X S1/0-12R-X	S2/0-14R-X S2/0-56R-X S2/0-38R-X S2/0-76R-X S2/0-12R-X	S3/0-14R-5 S3/0-56R-5 S3/0-38R-5 S3/0-76R-5 S3/0-12R-5	S4/0-38R-5 S4/0-76R-5 S4/0-12R-5	S250-56R-5 S250-38R-5 S250-76R-5 S250-12R-5
	PANDUIT Die Part Number Die Index Number (Number of Crimps)								
CT-700	CD-700-8-2 21 (2)	CD-700-8-2 24 (2)	CD-700-8-2 29 (2)	CD-700-1-1/0 37 (3)	CD-700-1-1/0 42 (3)	—	—	—	—
CT-720	CD-720-1 21 (1)	CD-720-1 24 (1)	CD-720-1 29 (1)	CD-720-2 37 (1)	CD-720-2 42 (1)	CD-720-2 45 (2)	CD-720-2 50 (2)	CD-720-3 54 (2)	CD-720-3 62 (2)
CT-930, CT-930CH CT-920, CT-920CH CT-2920, CT-940CH	CD-920-8 21 (1)	CD-920-6 24 (1)	CD-920-4 29 (1)	CD-920-1 37 (1)	CD-920-1/0 42 (1)	CD-920-2/0 45 (1)	CD-920-3/0 50 (1)	CD-920-4/0 54 (1)	CD-920-250 62 (1)
CT-980, CT-980CH CT-2950, CT-2980	—	—	STD (1)	STD (1)	STD (1)	STD (1)	STD (1)	STD (1)	STD (1)
CT-2001	CD-2001-8 21 (1)	CD-2001-6 24 (1)	CD-2001-4 29 (1)	CD-2001-1 37 (1)	CD-2001-1/0 42 (1)	CD-2001-2/0 45 (2)	CD-2001-3/0 50 (2)	CD-2001-4/0 54 (2)	CD-2001-250 62 (2)

FORK TERMINALS

Nylon Insulated

- Insulation Grip Sleeve

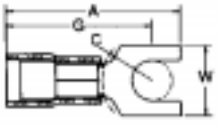


LISTED* CERTIFIED*

*Except #26-22 sizes

Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve



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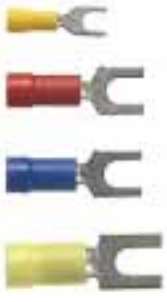
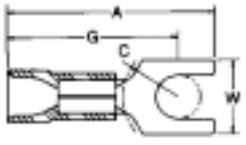
Vinyl Insulated - Funnel Entry

- Insulation Support
- Brazed Seam





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*Except #26-22 sizes

Vinyl Insulated - Expanded Insulation

- For Large Wire Insulation O.D.
- Insulation Support

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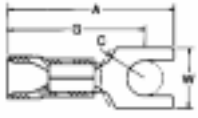


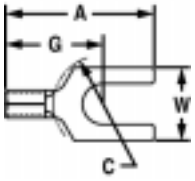
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PN22-2F-C	26-22 .02 Stock	Yellow	.090	#2	.66	.20	.19	.56	100	1000	1000	6000
PN22-4F-C		Yellow	.090	#4	.67	.20	.21	.57	100	1000	1000	6000
PN22-6F-C		Yellow	.090	#6	.77	.25	.26	.63	100	1000	1000	6000
PN18-6FN-C	22-18 .03 Stock	Red	.145	#6	.78	.24	.20	.64	100	500	1000	6000
PN18-6F-C		Red	.145	#6	.78	.30	.20	.64	100	500	1000	6000
PN18-8F-C		Red	.145	#8	.85	.32	.23	.68	100	500	1000	6000
PN18-10FN-C		Red	.145	#10	.86	.31	.25	.70	100	500	1000	6000
PN18-10F-C		Red	.145	#10	.86	.35	.25	.70	100	500	1000	6000
PN18-14F-C		Red	.145	1/4"	1.03	.44	.33	.78	100	500	1000	6000
PN14-6FN-C	16-14 .03 Stock	Blue	.162	#6	.79	.24	.19	.65	100	500	1000	6000
PN14-6F-C		Blue	.162	#6	.79	.28	.19	.65	100	500	1000	6000
PN14-8F-C		Blue	.162	#8	.85	.31	.23	.67	100	500	1000	6000
PN14-10FN-C		Blue	.162	#10	.87	.31	.24	.71	100	500	1000	6000
PN14-10F-C		Blue	.162	#10	.87	.34	.24	.71	100	500	1000	6000
PN14-14F-C		Blue	.162	1/4"	1.02	.44	.32	.77	100	500	1000	6000
PN10-6F-L	12-10 .04 Stock	Yellow	.225	#6	1.02	.31	.22	.82	50	500	500	3000
PN10-8F-L		Yellow	.225	#8	1.05	.37	.22	.81	50	500	500	3000
PN10-10F-L		Yellow	.225	#10	1.05	.37	.22	.81	50	500	500	3000
PN10-14F-L		Yellow	.225	1/4"	1.16	.49	.30	.89	50	500	500	3000
PNF18-6F-C	22-18 .03 Stock	Red	.145	#6	.80	.30	.22	.66	100	500	1000	6000
PNF18-8F-C		Red	.145	#8	.86	.31	.25	.69	100	500	1000	6000
PNF18-10F-C		Red	.145	#10	.87	.34	.26	.68	100	500	1000	6000
PNF18-14F-C		Red	.145	1/4"	1.05	.44	.32	.80	100	500	1000	6000
PNF14-6F-C	16-14 .03 Stock	Blue	.162	#6	.80	.28	.22	.66	100	500	1000	6000
PNF14-8F-C		Blue	.162	#8	.85	.31	.25	.69	100	500	1000	6000
PNF14-10F-C		Blue	.162	#10	.87	.34	.26	.71	100	500	1000	6000
PNF14-14F-C		Blue	.162	1/4"	1.05	.44	.35	.80	100	500	1000	6000
PNF10-6F-L	12-10 .04 Stock	Yellow	.225	#6	1.00	.31	.24	.83	50	500	500	3000
PNF10-8F-L		Yellow	.225	#8	1.08	.37	.24	.83	50	500	500	3000
PNF10-10F-L		Yellow	.225	#10	1.08	.37	.24	.83	50	500	500	3000
PNF10-14F-L		Yellow	.225	1/4"	1.18	.50	.31	.92	50	500	500	3000
PV22-2F-C	26-22 .02 Stock	Yellow	.110	#2	.65	.21	.18	.56	100	1000	1000	6000
PV22-4F-C		Yellow	.110	#4	.67	.20	.21	.56	100	1000	1000	6000
PV22-6F-C		Yellow	.110	#6	.76	.25	.26	.62	100	1000	1000	6000
PV18-6FN-C	22-18 .03 Stock	Red	.158	#6	.86	.24	.21	.69	100	500	1000	6000
PV18-6F-C		Red	.158	#6	.85	.30	.21	.69	100	500	1000	6000
PV18-8F-C		Red	.158	#8	.93	.32	.25	.73	100	500	1000	6000
PV18-10FN-C		Red	.158	#10	.93	.31	.25	.75	100	500	1000	6000
PV18-10F-C		Red	.158	#10	.93	.35	.25	.75	100	500	1000	6000
PV14-6FN-C	16-14 .03 Stock	Blue	.170	#6	.84	.24	.20	.70	100	500	1000	6000
PV14-6F-C		Blue	.170	#6	.84	.28	.20	.71	100	500	1000	6000
PV14-8F-C		Blue	.170	#8	.90	.31	.23	.74	100	500	1000	6000
PV14-10FN-C		Blue	.170	#10	.92	.31	.25	.75	100	500	1000	6000
PV14-10F-C		Blue	.170	#10	.92	.34	.25	.77	100	500	1000	6000
PV14-14F-C		Blue	.170	1/4"	1.09	.44	.32	.84	100	500	1000	6000
PV10-6F-L	12-10 .04 Stock	Yellow	.225	#6	1.01	.31	.25	.81	50	500	500	3000
PV10-8F-L		Yellow	.225	#8	1.04	.37	.25	.81	50	500	500	3000
PV10-10F-L		Yellow	.225	#10	1.04	.37	.25	.81	50	500	500	3000
PV10-14F-L		Yellow	.225	1/4"	1.14	.49	.32	.88	50	500	500	3000
PV18-6FX-C	22-18 .03 Stock	Red	.163	#6	.90	.30	.20	.76	100	500	1000	6000
PV18-8FX-C		Red	.163	#8	.97	.32	.23	.80	100	500	1000	6000
PV18-10FX-C		Red	.163	#10	.97	.35	.25	.81	100	500	1000	6000
PV14-6FX-C	16-14 .03 Stock	Blue	.200	#6	.89	.28	.16	.75	100	500	1000	6000
PV14-8FX-C		Blue	.200	#8	.96	.31	.20	.79	100	500	1000	6000
PV14-10FX-C		Blue	.200	#10	.97	.34	.22	.80	100	500	1000	6000
PV10-8FX-L	12-10 .04 Stock	Yellow	.250	#8	1.11	.37	.24	.88	50	500	500	3000
PV10-10FX-L		Yellow	.250	#10	1.11	.37	.24	.88	50	500	500	3000
PV10-14FX-L		Yellow	.250	1/4"	1.22	.50	.32	.97	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

FORK TERMINALS

Non-Insulated

- Brazed Seam
- Beveled Wire Lead-In



LISTED* CERTIFIED*

*Except #26-22 sizes

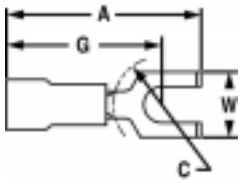
FLANGED FORK TERMINALS

LISTED

CERTIFIED

Nylon Insulated

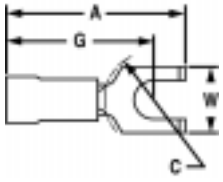
- Insulation Grip Sleeve
- For Use in Vibration Applications



Vinyl Insulated - Funnel Entry

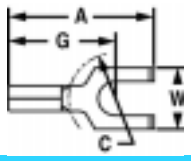
- Insulation Support
- Brazed Seam

LISTED CERTIFIED



Non-Insulated

- Brazed Seam
- Beveled Wire Lead-In



LISTED

CERTIFIED

Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
P22-2F-C	26-22 .02 Stock	—	—	#2	.49	.20	.19	.39	100	1000	1000	10,000
P22-4F-C		—	—	#4	.49	.19	.20	.39	100	1000	1000	10,000
P22-6F-C		—	—	#6	.59	.25	.26	.47	100	1000	1000	10,000
P18-6FN-C	22-18 .03 Stock	—	—	#6	.63	.24	.21	.49	100	1000	1000	10,000
P18-6F-C		—	—	#6	.63	.30	.19	.49	100	1000	1000	10,000
P18-8F-C		—	—	#8	.69	.32	.25	.53	100	1000	1000	10,000
P18-10FN-C		—	—	#10	.71	.31	.25	.55	100	1000	1000	10,000
P18-10F-C		—	—	#10	.71	.35	.25	.55	100	1000	1000	10,000
P18-14F-C		—	—	1/4"	.88	.44	.33	.63	100	1000	1000	10,000
P14-6FN-C	16-14 .03 Stock	—	—	#6	.63	.24	.20	.49	100	1000	1000	10,000
P14-6F-C		—	—	#6	.63	.28	.20	.49	100	1000	1000	10,000
P14-8F-C		—	—	#8	.69	.31	.23	.53	100	1000	1000	10,000
P14-10FN-C		—	—	#10	.71	.31	.25	.55	100	1000	1000	10,000
P14-10F-C		—	—	#10	.71	.34	.25	.55	100	1000	1000	10,000
P14-14F-C		—	—	1/4"	.88	.44	.33	.63	100	1000	1000	10,000
P10-6F-L	12-10 .04 Stock	—	—	#6	.75	.31	.22	.55	50	500	500	5000
P10-8F-L		—	—	#8	.78	.37	.22	.55	50	500	500	5000
P10-10F-L		—	—	#10	.78	.37	.23	.55	50	500	500	5000
P10-14F-L		—	—	1/4"	.89	.50	.30	.60	50	500	500	5000
PN18-6FF-C	22-18 .03 Stock	Red	.136	#6	.81	.28	.20	.65	100	500	1000	6000
PN18-8FF-C		Red	.136	#8	.88	.31	.23	.66	100	500	1000	6000
PN18-10FF-C		Red	.136	#10	.86	.35	.23	.66	100	500	1000	6000
PN14-6FF-C	16-14 .03 Stock	Blue	.162	#6	.79	.28	.20	.63	100	500	1000	6000
PN14-8FF-C		Blue	.162	#8	.86	.31	.23	.67	100	500	1000	6000
PN14-10FF-C		Blue	.162	#10	.86	.36	.23	.67	100	500	1000	6000
PN10-8FF-L	12-10 .04 Stock	Yellow	.225	#8	1.05	.37	.28	.78	50	500	500	3000
PN10-10FF-L		Yellow	.225	#10	1.05	.37	.28	.78	50	500	500	3000
PV18-6FF-C	22-18 .03 Stock	Red	.140	#6	.87	.28	.19	.71	100	500	1000	6000
PV18-8FF-C		Red	.140	#8	.94	.31	.23	.75	100	500	1000	6000
PV18-10FF-C		Red	.140	#10	.93	.35	.23	.75	100	500	1000	6000
PV14-6FF-C	16-14 .03 Stock	Blue	.165	#6	.88	.28	.19	.72	100	500	1000	6000
PV14-8FF-C		Blue	.165	#8	.94	.31	.23	.76	100	500	1000	6000
PV14-10FF-C		Blue	.165	#10	.94	.35	.23	.76	100	500	1000	6000
PV10-8FF-L	12-10 .04 Stock	Yellow	.225	#8	1.03	.37	.22	.78	50	500	500	3000
PV10-10FF-L		Yellow	.225	#10	1.03	.37	.22	.78	50	500	500	3000
P18-8FF-C	22-18 .03 Stock	—	—	#8	.72	.31	.25	.52	100	500	1000	10,000
P14-6FF-C	16-14 .03 Stock	—	—	#6	.65	.28	.20	.49	100	500	1000	10,000
P14-8FF-C		—	—	#8	.72	.31	.23	.53	100	500	1000	10,000
P10-10FF-L	12-10 .04 Stock	—	—	#10	.80	.38	.26	.55	50	500	500	5000

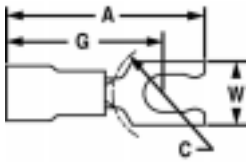
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

LOCKING FORK TERMINALS

Nylon Insulated

- Insulation Grip Sleeve
- Installs Like a Fork, But Holds Like a Ring

LISTED
CERTIFIED



Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve

LISTED
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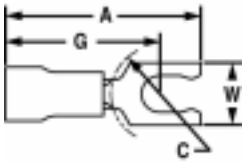

Vinyl Insulated - Funnel Entry

- Insulation Support
- Brazed Seam

LISTED
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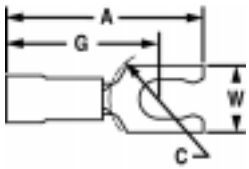
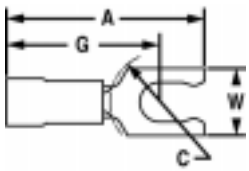


Vinyl Insulated - Expanded Insulation

- Insulation Support
- For Large Wire Insulation O.D.
- Brazed Seam

LISTED
CERTIFIED



Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.)				Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Ctn. Qty.	Bulk Ctn. Qty.
					A	W	C	G				
PN18-6LF-C	22-18 .03 Stock	Red	.145	#6	.82	.27	.22	.63	100	500	1000	6000
PN18-6LFW-C		Red	.145	#6	.85	.29	.22	.64	100	500	1000	6000
PN18-8LF-C		Red	.145	#8	.89	.29	.25	.68	100	500	1000	6000
PN18-10LF-C		Red	.145	#10	.89	.33	.25	.68	100	500	1000	6000
PN18-10LFN-C		Red	.145	#10	.91	.29	.25	.73	100	500	1000	6000
PN14-6LF-C	16-14 .03 Stock	Blue	.162	#6	.86	.25	.22	.62	100	500	1000	6000
PN14-6LFW-C		Blue	.162	#6	.84	.29	.22	.62	100	500	1000	6000
PN14-8LF-C		Blue	.162	#8	.92	.29	.25	.67	100	500	1000	6000
PN14-10LF-C		Blue	.162	#10	.91	.33	.25	.67	100	500	1000	6000
PN14-10LFN-C		Blue	.162	#10	.91	.28	.25	.67	100	500	1000	6000
PN10-6LF-L	12-10 .04 Stock	Yellow	.225	#6	1.03	.30	.23	.79	50	500	500	3000
PN10-8LF-L		Yellow	.225	#8	1.05	.30	.23	.79	50	500	500	3000
PN10-10LF-L		Yellow	.225	#10	1.05	.34	.23	.79	50	500	500	3000
PN10-14LF-L		Yellow	.225	1/4"	1.19	.46	.32	.91	50	500	500	3000
PNF18-6LF-C	22-18 .03 Stock	Red	.145	#6	.82	.27	.20	.63	100	1000	1000	6000
PNF18-6LFW-C		Red	.145	#6	.85	.29	.20	.63	100	1000	1000	6000
PNF18-8LF-C		Red	.145	#8	.89	.29	.26	.68	100	1000	1000	6000
PNF18-10LF-C		Red	.145	#10	.89	.33	.25	.68	100	1000	1000	6000
PNF14-6LF-C	16-14 .03 Stock	Blue	.162	#6	.87	.25	.20	.65	100	1000	1000	6000
PNF14-6LFW-C		Blue	.162	#6	.84	.29	.20	.65	100	1000	1000	6000
PNF14-8LF-C		Blue	.162	#8	.93	.29	.25	.70	100	1000	1000	6000
PNF14-10LF-C		Blue	.162	#10	.93	.33	.25	.70	100	1000	1000	6000
PNF10-6LF-L	12-10 .04 Stock	Yellow	.225	#6	1.06	.30	.20	.82	50	500	500	3000
PNF10-8LF-L		Yellow	.225	#8	1.08	.30	.20	.82	50	500	500	3000
PNF10-10LF-L		Yellow	.225	#10	1.08	.34	.22	.82	50	500	500	3000
PNF10-14LF-L		Yellow	.225	1/4"	1.21	.46	.33	.92	50	500	500	3000
PV18-6LF-C	22-18 .03 Stock	Red	.158	#6	.90	.27	.22	.68	100	500	1000	6000
PV18-6LFW-C		Red	.158	#6	.90	.29	.22	.68	100	500	1000	6000
PV18-8LF-C		Red	.158	#8	.97	.29	.25	.73	100	500	1000	6000
PV18-10LF-C		Red	.158	#10	.97	.33	.25	.73	100	500	1000	6000
PV18-10LFN-C		Red	.158	#10	.97	.29	.25	.73	100	500	1000	6000
PV14-6LF-C	16-14 .03 Stock	Blue	.170	#6	.90	.25	.22	.68	100	500	1000	6000
PV14-6LFW-C		Blue	.170	#6	.90	.29	.22	.68	100	500	1000	6000
PV14-8LF-C		Blue	.170	#8	.97	.29	.25	.73	100	500	1000	6000
PV14-10LF-C		Blue	.170	#10	.97	.33	.25	.73	100	500	1000	6000
PV14-10LFN-C		Blue	.170	#10	.97	.29	.25	.73	100	500	1000	6000
PV10-6LF-L	12-10 .04 Stock	Yellow	.225	#6	1.03	.30	.23	.80	50	500	500	3000
PV10-8LF-L		Yellow	.225	#8	1.05	.30	.23	.80	50	500	500	3000
PV10-10LF-L		Yellow	.225	#10	1.04	.34	.23	.80	50	500	500	3000
PV10-14LF-L		Yellow	.225	1/4"	1.19	.46	.36	.90	50	500	500	3000
PV18-6LFX-C	22-18 .03 Stock	Red	.170	#6	.95	.27	.20	.76	100	500	1000	6000
PV18-8LFX-C		Red	.170	#8	1.00	.29	.20	.80	100	500	1000	6000
PV18-10LFX-C		Red	.170	#10	1.04	.33	.23	.78	100	500	1000	6000
PV14-6LFX-C	16-14 .03 Stock	Blue	.200	#6	.95	.25	.20	.74	100	500	1000	6000
PV14-8LFX-C		Blue	.200	#8	1.01	.29	.23	.78	100	500	1000	6000
PV14-10LFX-C		Blue	.200	#10	1.01	.33	.23	.78	100	500	1000	6000
PV10-6LFX-L	12-10 .04 Stock	Yellow	.250	#6	1.09	.30	.23	.85	50	500	500	3000
PV10-8LFX-L		Yellow	.250	#8	1.12	.30	.23	.86	50	500	500	3000
PV10-10LFX-L		Yellow	.250	#10	1.12	.34	.23	.86	50	500	500	3000
PV10-14LFX-L		Yellow	.250	1/4"	1.25	.46	.35	.97	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

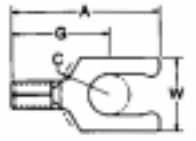
LOCKING FORK TERMINALS

Non-Insulated

- Brazed Seam
- Beveled Wire Lead-In

LISTED

CERTIFIED



Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
P18-6LF-C	22-18 .03 Stock	—	—	#6	.68	.27	.22	.48	100	500	1000	10,000
P18-6LFW-C		—	—	#6	.70	.29	.22	.48	100	500	1000	10,000
P18-8LF-C		—	—	#8	.74	.29	.23	.53	100	500	1000	10,000
P18-10LFN-C		—	—	#10	.74	.28	.23	.53	100	500	1000	10,000
P18-10LF-C		—	—	#10	.74	.33	.23	.53	100	500	1000	10,000
P14-6LF-C	16-14 .03 Stock	—	—	#6	.70	.25	.22	.48	100	500	1000	10,000
P14-6LFW-C		—	—	#6	.70	.29	.22	.48	100	500	1000	10,000
P14-8LF-C		—	—	#8	.77	.29	.27	.53	100	500	1000	10,000
P14-10LFN-C		—	—	#10	.77	.29	.27	.53	100	500	1000	10,000
P14-10LF-C		—	—	#10	.77	.33	.27	.53	100	500	1000	10,000
P10-6LF-L	12-10 .04 Stock	—	—	#6	.77	.30	.23	.53	50	500	500	5000
P10-8LF-L		—	—	#8	.79	.30	.23	.53	50	500	500	5000
P10-10LF-L		—	—	#10	.79	.34	.23	.53	50	500	500	5000
P10-14LF-L		—	—	1/4"	.92	.46	.33	.63	50	500	500	5000

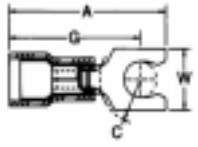
SHORT LOCKING FORK TERMINALS

Nylon Insulated

- Insulation Grip Sleeve

LISTED

CERTIFIED



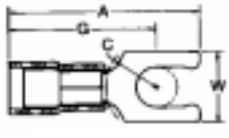
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PN18-5SLF-C	22-18 .03 Stock	Red	.145	#5	.75	.26	.19	.63	100	500	1000	6000
PN18-6SLF-C		Red	.145	#6	.75	.27	.19	.63	100	500	1000	6000
PN18-8SLF-C		Red	.145	#8	.80	.29	.23	.68	100	500	1000	6000
PN18-10SLF-C		Red	.145	#10	.81	.33	.23	.68	100	500	1000	6000
PN14-5SLF-C	16-14 .03 Stock	Blue	.162	#5	.75	.25	.19	.64	100	500	1000	6000
PN14-6SLF-C		Blue	.162	#6	.75	.25	.19	.64	100	500	1000	6000
PN14-8SLF-C		Blue	.162	#8	.80	.29	.23	.68	100	500	1000	6000
PN14-10SLF-C		Blue	.162	#10	.81	.33	.23	.68	100	500	1000	6000
PN14-14SLF-C		Blue	.162	1/4"	.90	.44	.28	.74	100	500	1000	6000
PN10-5SLF-L	12-10 .04 Stock	Yellow	.225	#5	.84	.25	.22	.72	50	500	500	3000
PN10-6SLF-L		Yellow	.225	#6	.84	.25	.22	.72	50	500	500	3000
PN10-8SLF-L		Yellow	.225	#8	.89	.29	.26	.77	50	500	500	3000
PN10-10SLF-L		Yellow	.225	#10	.90	.33	.26	.77	50	500	500	3000
PN10-14SLF-L		Yellow	.225	1/4"	.99	.45	.33	.83	50	500	500	3000

Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve

LISTED

CERTIFIED



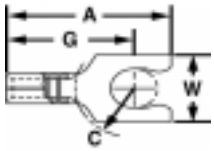
Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PNF18-5SLF-C	22-18 .03 Stock	Red	.145	#5	.75	.26	.19	.63	100	1000	1000	6000
PNF18-6SLF-C		Red	.145	#6	.75	.27	.19	.63	100	1000	1000	6000
PNF18-8SLF-C		Red	.145	#8	.80	.29	.23	.68	100	1000	1000	6000
PNF18-10SLF-C		Red	.145	#10	.81	.33	.23	.68	100	1000	1000	6000
PNF14-5SLF-C	16-14 .03 Stock	Blue	.162	#5	.75	.25	.22	.65	100	1000	1000	6000
PNF14-6SLF-C		Blue	.162	#6	.75	.25	.22	.65	100	1000	1000	6000
PNF14-8SLF-C		Blue	.162	#8	.82	.29	.26	.70	100	1000	1000	6000
PNF14-10SLF-C		Blue	.162	#10	.81	.33	.25	.70	100	1000	1000	6000
PNF14-14SLF-C		Blue	.162	1/4"	.91	.44	.30	.75	100	1000	1000	6000
PNF10-5SLF-L	12-10 .04 Stock	Yellow	.225	#5	.90	.25	.17	.79	50	500	500	3000
PNF10-6SLF-L		Yellow	.225	#6	.90	.25	.17	.79	50	500	500	3000
PNF10-8SLF-L		Yellow	.225	#8	.95	.29	.22	.83	50	500	500	3000
PNF10-10SLF-L		Yellow	.225	#10	.96	.33	.22	.83	50	500	500	3000
PNF10-14SLF-L		Yellow	.225	1/4"	1.06	.45	.28	.89	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

SHORT LOCKING FORK TERMINALS

Vinyl Insulated - Funnel Entry

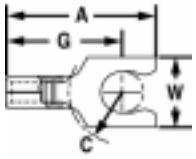
- Insulation Support
- Butted Seam



LISTED CERTIFIED

Non-Insulated

- Butted Seam
- Beveled Wire Lead-In



LISTED CERTIFIED

Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PV18-5SLF-C	22-18 .03 Stock	Red	.150	#5	.82	.26	.19	.70	100	1000	1000	6000
PV18-6SLF-C		Red	.150	#6	.82	.27	.19	.70	100	1000	1000	6000
PV18-8SLF-C		Red	.150	#8	.87	.29	.23	.75	100	1000	1000	6000
PV18-10SLF-C		Red	.150	#10	.88	.33	.23	.74	100	1000	1000	6000
PV14-5SLF-C	16-14 .03 Stock	Blue	.170	#5	.82	.25	.20	.71	100	1000	1000	6000
PV14-6SLF-C		Blue	.170	#6	.82	.25	.20	.71	100	1000	1000	6000
PV14-8SLF-C		Blue	.170	#8	.89	.29	.23	.76	100	1000	1000	6000
PV14-10SLF-C		Blue	.170	#10	.89	.33	.23	.76	100	1000	1000	6000
PV14-14SLF-C		Blue	.170	1/4"	.97	.44	.33	.80	100	1000	1000	6000
PV10-5SLF-L	12-10 .04 Stock	Yellow	.225	#5	.86	.25	.22	.77	50	500	500	3000
PV10-6SLF-L		Yellow	.225	#6	.87	.25	.22	.77	50	500	500	3000
PV10-8SLF-L		Yellow	.225	#8	.92	.29	.26	.81	50	500	500	3000
PV10-10SLF-L		Yellow	.225	#10	.92	.33	.26	.81	50	500	500	3000
PV10-14SLF-L		Yellow	.225	1/4"	1.02	.45	.33	.86	50	500	500	3000
P18-5SLF-C	22-18 .03 Stock	—	—	#5	.51	.25	.22	.39	100	1000	1000	10,000
P18-6SLF-C		—	—	#6	.51	.25	.22	.39	100	1000	1000	10,000
P18-8SLF-C		—	—	#8	.56	.29	.25	.44	100	1000	1000	10,000
P18-10SLF-C		—	—	#10	.57	.33	.25	.44	100	1000	1000	10,000
P14-5SLF-C	16-14 .03 Stock	—	—	#5	.60	.25	.20	.49	100	1000	1000	10,000
P14-6SLF-C		—	—	#6	.60	.25	.20	.49	100	1000	1000	10,000
P14-8SLF-C		—	—	#8	.65	.29	.23	.53	100	1000	1000	10,000
P14-10SLF-C		—	—	#10	.67	.33	.23	.53	100	1000	1000	10,000
P14-14SLF-C		—	—	1/4"	.76	.44	.33	.59	100	1000	1000	10,000
P10-5SLF-L	12-10 .04 Stock	—	—	#5	.60	.25	.19	.48	50	500	500	5000
P10-6SLF-L		—	—	#6	.60	.25	.19	.48	50	500	500	5000
P10-8SLF-L		—	—	#8	.66	.29	.23	.53	50	500	500	5000
P10-10SLF-L		—	—	#10	.67	.33	.23	.53	50	500	500	5000
P10-14SLF-L		—	—	1/4"	.76	.45	.28	.59	50	500	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

PANDUIT® Terminals Provide Fast, High-Quality Terminations to Speed Assembly and Lower Installed Cost

- Complete line of ***PAN-TERM*** terminals, disconnects, splices and wire joints for #26 through #2 AWG wire
- Funnel entry speeds assembly; available on most terminals and disconnects
- Applicable sizes are UL listed and CSA certified; meet MIL specs

Designed and precision-made to function as a reliable method of making quick, slip-on interconnections

- Funnel entry types speed installation.
- All are made of quality materials to provide low resistance, high conductive electrical properties.
- Available sizes from #22 to #10 AWG. Applicable sizes are UL Listed and CSA Certified.
- Wide assortment of manual, controlled cycle, pneumatic and battery powered hydraulic crimping tools gives you reliable connections at a lower installed cost.

ISO 9001 REGISTERED FIRM

UL LISTED OR RECOGNIZED AND CSA CERTIFIED

For Technical Assistance, call: 888-506-5400, Ext. 2241

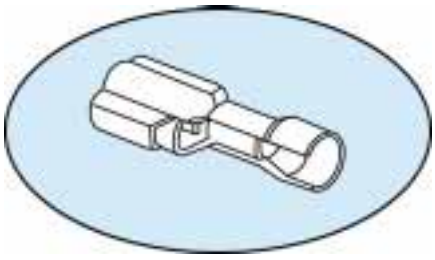
(outside the U.S., see current Worldwide Locations on our home page)

Features and Benefits of *PAN-TERM* Disconnects

Panduit *PAN-TERM* Disconnects are designed and precision-made to function as a reliable method of making quick, slip-on interconnections. Available with nylon or vinyl insulation, or non-insulated, *PAN-TERM* Female Disconnects are fabricated from brass and are electro-tin plated for long, corrosion resistant operating life.

***PAN-TERM* Disconnects are available in configurations designed to satisfy varying application requirements. The features of these configurations are detailed below:**

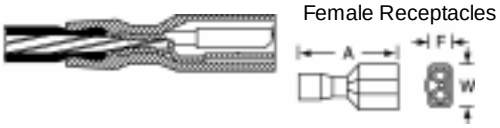
STANDARD NYLON FULLY INSULATED FEMALE RECEPTACLES AND MALE TABS



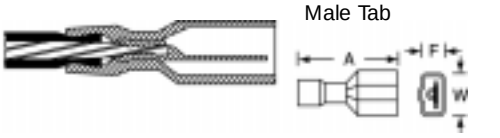
- **FULLY INSULATED DESIGN -** provides excellent protection from shorting and shocks
- **INSULATION SUPPORT -** for normal strain requirements
- **FUNNEL ENTRY -** speeds wire insertion
- **EXPANDED WIRE ENTRY -** on select sizes, allows wires with large insulation or multiple wires to be installed. Available in both males and females.
- **FEMALES -** available in standard coupler configurations to mate with .110", .187", .205" or .250" and right angle styles to mate with .187", .205" or .250" wide male tabs
- **MALES -** available in .250" width in both standard and oversized housing configurations. Oversized housings will mate with virtually all manufacturers' female disconnects.
- **RATED** at 600 volts and 125°C (257°F) operating temperature

DISCO-GRIP™ PREMIUM NYLON FULLY INSULATED FEMALE RECEPTACLES AND MALE TABS

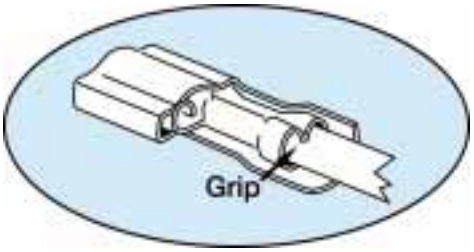
- **FULLY INSULATED DESIGN -** provides excellent protection from shorting and shocks
- **INSULATION GRIP -** provides a superior insulation crimp for high vibration and high strain relief
- **FUNNEL ENTRY -** speeds wire insertion
- **FEMALES -** available in standard coupler configurations. Sizes available to mate with .110", .187", .205", or .250" wide male tabs.
- **MALES -** available in .250" width in both standard and oversized housing configurations. Oversized housings will mate with virtually all manufacturers' female disconnects.
- **RATED** at 600 volts and designed for up to 105°C (221°F) operating temperature



Cross Section of *DISCO-GRIP* Crimp Showing Insulation Crimp of the Wire Insulation



SUPRA-GRIP™ NYLON FULLY INSULATED FEMALE DISCONNECTS

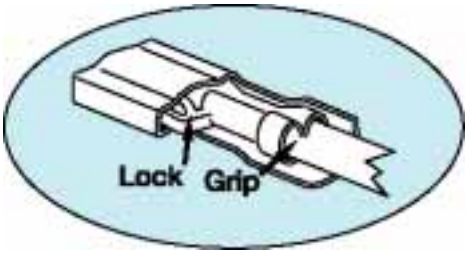


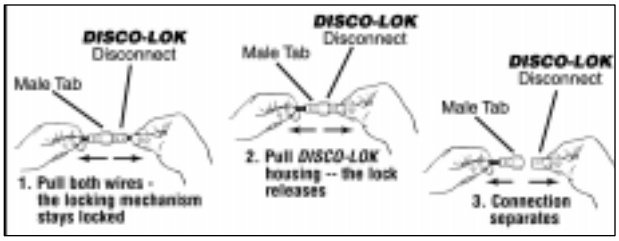
- **FULLY INSULATED DESIGN -** provides excellent protection from shorting and shocks
- **INTEGRATED METAL INSULATION GRIP -** provides DOUBLE CRIMP insulation grip for high vibration or conductor strain environments
- **FUNNEL ENTRY -** speeds wire insertion
- **FEMALES -** available in standard coupler configurations. Sizes available to mate with .187" or .250" wide male tabs.
- **RATED** 600 volts and designed for up to 105°C(221°F) operating temperature

Features and Benefits of PAN-TERM Disconnects (continued)

DISCO-LOK™ NYLON FULLY INSULATED LOCKING FEMALE DISCONNECTS

- **DISCO-LOK POSITIVE LOCKING MECHANISM -** design allows for lower insertion force and locking withdrawal force. Separation occurs only when intended
- **FULLY INSULATED DESIGN -** provides excellent protection from shorting and shocks
- **INTEGRATED METAL INSULATION GRIP -** provides DOUBLE CRIMP insulation grip for high vibration or conductor strain environments
- **FUNNEL ENTRY -** speeds wire insertion
- **FEMALES -** available in configurations to mate with .250" wide male tabs
- **RATED** at 300 volts and designed for up to 105°C (221°F) operating temperature



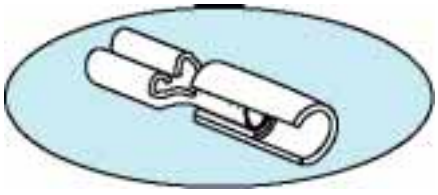


NYLON BARREL INSULATED FEMALE RECEPTACLES AND MALE TABS

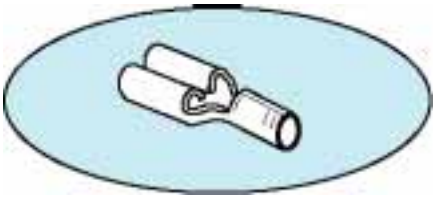
- **METAL INSULATION GRIP SLEEVE -** provides additional support to the wire and helps to prevent failure from shock or vibration
- **FUNNEL ENTRY** - speeds wire insertion
- **FEMALES -** available in .110", .187", .205" or .250" sizes
- **MALES -** available in .250" width tabs
- **RATED** at 600 volts and designed for up to 90°C (194°F)

VINYL BARREL INSULATED FEMALE RECEPTACLES AND MALE TABS

- **INSULATION SUPPORT -** for normal strain requirements
- **FEMALES -** available in .187", .205", and .250" sizes
- **MALES -** available in .250" width tabs
- **RATED: DV Series -** 600 volts and 105°C (221°F)
  DVF Series - 300 volts and 90°C (194°F)



NON-INSULATED FEMALE RECEPTACLES AND MALE TABS



Available in:

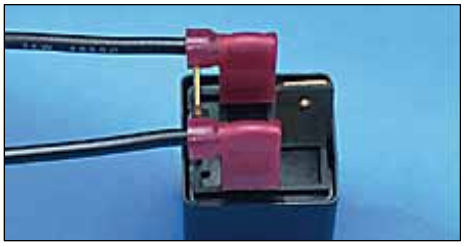
- **SLEEVED BARREL -** provides excellent wire retention

-or-

- **BUTTED SEAM -** offers an economical solution for less demanding applications
- **FEMALES -** available in .187", .205", and .250" sizes
- **MALES -** available in .250" width tabs
- **RATED** up to 150°C (302°F)

Features and Benefits of PAN-TERM Disconnects (continued)

Typical Applications using PAN-TERM Disconnects



Performance Requirements

	Wire Size (AWG)						
	#22	#20	#18	#16	#14	#12	#10
UL310 (DISCONNECTS)							
Continuous Test Current for Max. 30°C Rise (Amps) (for .187", .205", .250" tab widths)	3	4	7	10	15	20	24
Continuous Test Current for Max. 30°C Rise (Amps) (for .110" tab width)	2	3	4	5	Not Applicable		
Min. Tensile Strength* (Lbs.)	8	13	20	30	50	70	80

*Pull-out force of the crimped disconnect

Applicable PAN-TERM products meet or exceed the following test specifications:

- UL310 (Disconnects)
- CSA C22.2 No. 153 (all designs)

U.L. and CSA listed products are shown with the applicable logos in the product section.

U.L. file #E78522. CSA file #LR31212.

Part Number System for PAN-TERM Disconnects

Disconnects

DNF14-250FIB-M

Insulation Designation
- N = Nylon
- NF = Nylon, Funnel Entry
- NFR = Nylon, Funnel Entry, Right Angle
- NG = Nylon, Funnel Entry, Metal Insulation Grip
- PF = Premium Grade Nylon, Funnel Entry
- R = Non-Insulated, Right-Angle
- V = Vinyl
- = Non-insulated (leave blank)

Wire Range
- 18 = #22-18
- 14 = #16-14
- 10 = #12-10

Size & Type
- 110 = .110 x .032 Tab Size
- 111 = .110 x .020 Tab Size
- 145 = .145 x .032 Tab Size
- 187 = .187 x .032 Tab Size
- 188 = .187 x .020 Tab Size
- 205 = .187/.205 x .032 Tab Size
- 206 = .187/.205 x .020 Tab Size
- 250 = .250 x .032 Tab Size

.187/.205: Expandable receptacle will accept male tabs from .187" to .205" widths in .032" or .020" thick styles. Fully reliable connection through all widths.

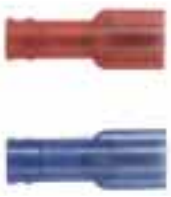
Special Configuration
- A = Adapter
- B = Butted Seam
- FB = ***SUPRA-GRIP***™ Metal Insulation Grip,Female
- FI = Fully Insulated, Female
- FIB = Fully Insulated, Butted Seam, Female
- FIMB = Fully Insulated, Male with Oversized Housing
- FL = ***DISCO-LOK***™, Locking, Metal Insulation Grip, Female
- LPB = Low Profile, Fully Insulated, Butted Seam Female
- M = Male
- = Female (leave blank)
- P = Piggyback

Package Designation
- L = 50
- C = 100
- D = 500
- M = 1000

SUPRA-GRIP™ Female Disconnects

Nylon Fully Pre-Insulated

- Funnel Entry
- Integrated Metal Insulation Grip to meet double crimp requirements
- Color Coded Insulation
- Internal Wire Barrel Serrations for maximum wire tensile strength
- Tab size clearly marked on insulation housing
- Tin Plated Brass Stamping
- Wire Stop



PANDUIT's patented ***SUPRA-GRIP*** fully pre-insulated disconnects offer a funnel entry metal insulation grip.

Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	W	F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DNG18-187FB-C	22-18	Red	.128	.89	.29	.22	.187x.032 (4.7x.8)	100	1000	1000	6000
DNG18-188FB-C		Red	.128	.89	.29	.22	.187x.020 (4.7x.5)	100	1000	1000	6000
DNG18-250FB-C		Red	.126	.93	.35	.22	.250x.032 (6.3x.8)	100	1000	1000	6000
DNG14-187FB-C	16-14	Blue	.128	.89	.29	.22	.187x.032 (4.7x.8)	100	1000	1000	6000
DNG14-188FB-C		Blue	.128	.89	.29	.25	.187x.020 (4.7x.5)	100	1000	1000	6000
DNG14-250FB-C		Blue	.153	.93	.35	.25	.250x.032 (6.3x.8)	100	1000	1000	6000

Order the number of pieces required in multiples of standard package quantities.
C = 100 pcs. and M = 1000 pcs.

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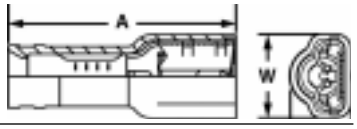


DISCO-LOK™ Female Disconnects

Nylon Fully Pre-Insulated

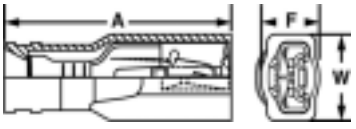
- Positive Locking Mechanism: Design allows for Low Insertion Force (mating) and Locking Withdrawal Force (separation)
- Plus, all of the following features:
  - Fully Pre-Insulated (color coded)
  - Integrated Funnel Entry Insulation Grip
  - Tab Size Markings
  - Tin Plated Brass Stamping
  - Internal Wire Barrel Serrations

DISCO-LOK is the world's first fully pre-insulated positive locking disconnect receptacle. Ideal for high vibration applications where ease of insertion is important and security of connection is mandatory. This patented locking feature provides benefits to all markets.

Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	W	F	Tab Size In. (mm)	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DNG18-250FL-C	22-18	Red	.126	.97	.36	.24	.250 x .032 (6.3x.8)	100	1000	1000	6000
DNG14-250FL-C	16-14	Blue	.150	.97	.36	.25	.250 x .032 (6.3x.8)	100	1000	1000	6000

Order the number of pieces required in multiples of standard package quantities.
C = 100 pcs. and M = 1000 pcs.

RECOGNIZED CERTIFIED

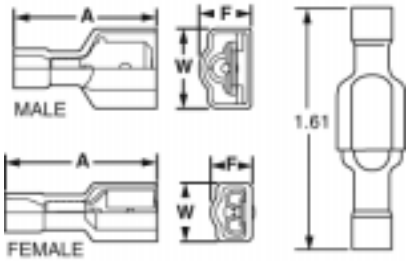


Male/Female Couplers

Nylon Fully Pre-Insulated - Funnel Entry

- Insulation Support
- Internal Wire Stop

Forms in-line disconnectable splice. Helps prevent shorting or shocks when disconnecting live circuits. Keyed for proper orientation. Each can be used alone as a fully pre-insulated disconnect.



Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	W	F	Tab Size	Type	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DNF18-250FIM-C	22-18	Red	.136	.90	.42	.27	.250 x .032	Male	100	1000	1000	6000
DNF18-250FIB-C		Red	.136	.84	.35	.22	.250 x .032	Female	100	1000	1000	6000
DNF14-250FIM-C	16-14	Blue	.160	.90	.42	.27	.250 x .032	Male	100	1000	1000	6000
DNF14-250FIB-C		Blue	.160	.84	.35	.22	.250 x .032	Female	100	1000	1000	6000

Order the number of pieces required in multiples of standard package quantities.
C = 100 pcs. and M = 1000 pcs.

	Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	W	F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
*	DNF18-250FIMB-L	22-18	Red	.136	.91	.45	.35	.250 x .032	50	500	500	3000
*	DNF14-250FIMB-L	16-14	Blue	.160	.91	.45	.34	.250 x .032	50	500	500	3000

*Oversized housing design will mate with receptacles up to .390" wide and .235" high (.285" high for parts with orientation bump).
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., D = 500 pcs., and M = 1000 pcs.

LISTED CERTIFIED

Female Disconnects

Nylon Fully Pre-Insulated Funnel Entry

- Insulation Support
- Internal Wire Stop

LISTED CERTIFIED

Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	W	F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DNF18-110FIB-C	22-18	Red	.136	.71	.19	.16	.110x.032	100	1000	1000	6000
DNF18-111FIB-C		Red	.136	.71	.19	.16	.110x.020	100	1000	1000	6000
DNF18-187FIB-C		Red	.136	.78	.29	.16	.187x.032	100	1000	1000	6000
DNF18-188FIB-C		Red	.136	.78	.29	.16	.187x.020	100	1000	1000	6000
DNF18-205FIB-C		Red	.136	.78	.31	.22	.205x.032	100	1000	1000	6000
DNF18-206FIB-C		Red	.136	.78	.31	.22	.205x.020	100	1000	1000	6000
DNF18-250FIB-C		Red	.136	.84	.35	.22	.250x.032	100	1000	1000	6000
DNF14-187FIB-C	16-14	Blue	.160	.78	.29	.18	.187x.032	100	1000	1000	6000
DNF14-188FIB-C		Blue	.160	.78	.29	.18	.187x.020	100	1000	1000	6000
DNF14-205FIB-C		Blue	.160	.78	.31	.22	.205x.032	100	1000	1000	6000
DNF14-206FIB-C		Blue	.160	.78	.31	.22	.205x.020	100	1000	1000	6000
DNF14-250FIB-C		Blue	.160	.84	.35	.22	.250x.032	100	1000	1000	6000
DNF10-250FI-L	12-10	Yellow	.230	.95	.36	.27	.250x.032	50	500	500	3000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

DISCO-GRIP™ Insulation Crimp Male Disconnects

Premium Nylon Fully Insulated - Funnel Entry

- Insulation Grip
- Internal Wire Stop

LISTED

	Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	W	F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
	DPF18-250FIM-C	22-18	Red	.133	.90	.41	.29	.250 x .032	100	1000	1000	6000
	DPF14-250FIM-C	16-14	Blue	.156	.90	.41	.29	.250 x .032	100	1000	1000	6000
*	DPF18-250FIMB-L	22-18	Red	.133	.92	.46	.34	.250 x .032	50	500	500	3000
*	DPF14-250FIMB-L	16-14	Blue	.156	.92	.46	.34	.250 x .032	50	500	500	3000

*Oversized housing design will mate with receptacles up to .390" wide and .235" (.285" high for parts with orientation bump).
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs

DISCO-GRIP™ Insulation Crimp Female Disconnects

Premium Nylon Fully Insulated - Funnel Entry

- Insulation Grip
- Internal Wire Stop

LISTED CERTIFIED*

Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	W	F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DPF18-110FIB-C	22-18	Red	.133	.71	.19	.16	.110 x .032	100	1000	1000	6000
DPF18-111FIB-C		Red	.133	.71	.19	.16	.110 x .020	100	1000	1000	6000
DPF18-187FIB-C		Red	.136	.78	.29	.16	.187x.032	100	1000	1000	6000
DPF18-188FIB-C		Red	.136	.78	.29	.16	.187x.020	100	1000	1000	6000
DPF18-205FIB-C		Red	.133	.78	.31	.22	.205/.187 x .032	100	1000	1000	6000
DPF18-206FIB-C		Red	.133	.78	.31	.22	.205/.187 x .020	100	1000	1000	6000
DPF18-250FIB-C		Red	.133	.84	.35	.22	.250 x .032	100	1000	1000	6000
DPF14-187FIB-C	16-14	Blue	.160	.78	.29	.18	.187x.032	100	1000	1000	6000
DPF14-188FIB-C		Blue	.160	.78	.29	.18	.187x.020	100	1000	1000	6000
DPF14-205FIB-C		Blue	.156	.78	.31	.22	.205/.187 x .032	100	1000	1000	6000
DPF14-206FIB-C		Blue	.156	.78	.31	.22	.205/.187 x .020	100	1000	1000	6000
DPF14-250FIB-C		Blue	.156	.84	.35	.22	.250 x .032	100	1000	1000	6000
DPF10-250FI-L	12-10	Yellow	.218	.95	.36	.27	.250 x .032	50	500	500	3000

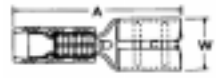
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

SECTION VIEW OF CRIMPED DISCONNECT

FEMALE DISCONNECTS

Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve

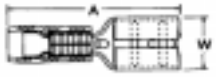


LISTED CERTIFIED

*Except DNF14-110 and DNF14-111

Vinyl Insulated - Funnel Entry

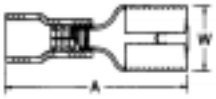
- Insulation Grip Sleeve



LISTED CERTIFIED

Vinyl Insulated

- Butted Seam



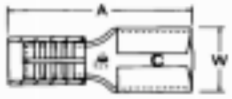
LISTED CERTIFIED

▲RECOGNIZED

*Sleeved Barrel

Non-Insulated

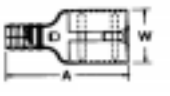
- Sleeved Barrel



LISTED CERTIFIED ▲RECOGNIZED

Non-Insulated

- Butted Seam



CERTIFIED

	Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	Dim. (In.) W	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
	DNF18-110-C	22-18	Red	.100	.69	.15	.110 x .032	100	500	1000	6000
	DNF18-111-C		Red	.100	.69	.15	.110 x .020	100	500	1000	6000
	DNF18-187-C		Red	.137	.76	.23	.187 x .032	100	500	1000	6000
	DNF18-188-C		Red	.137	.76	.23	.187 x .020	100	500	1000	6000
	DNF18-205-C		Red	.137	.76	.25	.205/.187 x .032	100	500	1000	6000
	DNF18-206-C		Red	.137	.76	.25	.205/.187 x .020	100	500	1000	6000
	DNF18-250-C		Red	.138	.81	.29	.250 x .032	100	500	1000	6000
*	DNF14-110-C	16-14	Blue	.162	.75	.15	.110 x .032	100	500	1000	6000
*	DNF14-111-C		Blue	.162	.75	.15	.110 x .020	100	500	1000	6000
	DNF14-187-C		Blue	.162	.76	.23	.187 x .032	100	500	1000	6000
	DNF14-188-C		Blue	.162	.76	.23	.187 x .020	100	500	1000	6000
	DNF14-205-C		Blue	.162	.76	.25	.205/.187 x .032	100	500	1000	6000
	DNF14-206-C		Blue	.162	.76	.25	.205/.187 x .020	100	500	1000	6000
	DNF14-250-C		Blue	.162	.83	.29	.250 x .032	100	500	1000	6000
	DVF18-187-C	22-18	Red	.137	.76	.23	.187 x .032	100	500	1000	6000
	DVF18-188-C		Red	.137	.76	.23	.187 x .020	100	500	1000	6000
	DVF18-205-C		Red	.137	.76	.25	.205 x .032	100	500	1000	6000
	DVF18-206-C		Red	.137	.76	.25	.205 x .020	100	500	1000	6000
	DVF18-250-C		Red	.137	.81	.29	.250 x .032	100	500	1000	6000
	DVF14-187-C	16-14	Blue	.162	.76	.23	.187 x .032	100	500	1000	6000
	DVF14-188-C		Blue	.162	.76	.23	.187 x .020	100	500	1000	6000
	DVF14-205-C		Blue	.162	.76	.25	.205 x .032	100	500	1000	6000
	DVF14-206-C		Blue	.162	.76	.25	.205 x .020	100	500	1000	6000
	DVF14-250-C		Blue	.162	.81	.29	.250 x .032	100	500	1000	6000
	DV18-187B-C	22-18	Red	.150	.75	.23	.187 x .032	100	500	1000	6000
	DV18-188B-C		Red	.150	.79	.23	.187 x .020	100	500	1000	6000
	DV18-205B-C		Red	.150	.75	.23	.205 x .032	100	500	1000	6000
	DV18-206B-C		Red	.150	.75	.23	.205 x .020	100	500	1000	6000
	DV18-250B-C		Red	.150	.81	.29	.250 x .032	100	500	1000	6000
▲	DV14-187B-C	16-14	Blue	.175	.75	.23	.187 x .032	100	500	1000	6000
▲	DV14-188B-C		Blue	.175	.79	.23	.187 x .020	100	500	1000	6000
▲	DV14-205B-C		Blue	.170	.75	.23	.205 x .032	100	500	1000	6000
▲	DV14-206B-C		Blue	.170	.75	.23	.205 x .020	100	500	1000	6000
▲	DV14-250B-C		Blue	.170	.81	.29	.250 x .032	100	500	1000	6000
*▲	DV10-250-L	12-10	Yellow	.229	1.03	.30	.250 x .032	50	500	500	3000
	D18-187-C	22-18	—	—	.58	.23	.187 x .032	100	500	1000	10,000
	D18-188-C		—	—	.58	.23	.187 x .020	100	500	1000	10,000
	D18-250-C		—	—	.66	.30	.250 x .032	100	500	1000	10,000
▲	D14-187-C	16-14	—	—	.58	.23	.187 x .032	100	500	1000	10,000
▲	D14-188-C		—	—	.58	.23	.187x .020	100	500	1000	10,000
	D14-250-C		—	—	.66	.30	.250 x .032	100	500	1000	10,000
	D10-250-L	12-10	—	—	.72	.30	.250 x .032	50	500	500	5000
	D18-188B-C	22-18	—	—	.56	.23	.187 x .020	100	500	1000	10,000
	D18-250B-C		—	—	.63	.30	.250 x .032	100	500	1000	10,000
	D14-188B-C	16-14	—	—	.56	.23	.187 x .020	100	500	1000	10,000
	D14-250B-C		—	—	.63	.30	.250 x .032	100	500	1000	10,000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

RIGHT ANGLE FEMALE DISCONNECTS

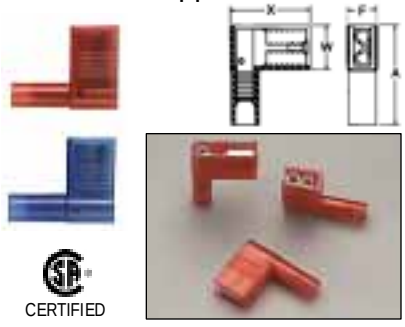
Nylon Fully Insulated - Funnel Entry

- Insulation Support
- Used in Limited Space Applications
- Use CT-300-1 Crimping Tool. *See Page 46*

LISTED CERTIFIED

Nylon Insulated - Funnel Entry

- Insulation Support



CERTIFIED

Non-Insulated

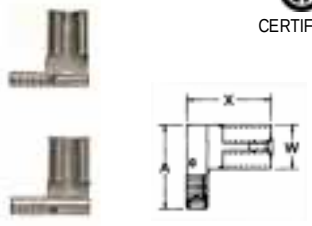
- Sleeved Barrel

LISTED CERTIFIED RECOGNIZED▲

Non-Insulated

- Butted Seam

CERTIFIED*



Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	F	W	X	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DNFR18-205FIB-C	22-18	Red	.178	.58	.21	.37	.60	.205/.187 x .032	100	1000	1000	6000
DNFR18-206FIB-C		Red	.178	.58	.21	.37	.60	.205/.187 x .020	100	1000	1000	6000
DNFR18-250FIB-C		Red	.178	.58	.21	.37	.60	.250 x .032	100	1000	1000	6000
DNFR14-205FIB-C	16-14	Blue	.178	.58	.21	.37	.60	.205/.187 x .032	100	1000	1000	6000
DNFR14-206FIB-C		Blue	.178	.58	.21	.37	.60	.205/.187 x .020	100	1000	1000	6000
DNFR14-250FIB-C		Blue	.178	.58	.21	.37	.60	.250 x .032	100	1000	1000	6000
DNFR18-205B-C	22-18	Red	.130	.78	.36	.20	.62	.205/.187 x .032	100	1000	1000	6000
DNFR18-206B-C		Red	.130	.78	.36	.20	.62	.205/.187 x .020	100	1000	1000	6000
DNFR18-250B-C		Red	.130	.78	.36	.20	.62	.250 x .032	100	1000	1000	6000
DNFR14-205B-C	16-14	Blue	.155	.78	.36	.20	.63	.205/.187 x .032	100	1000	1000	6000
DNFR14-206B-C		Blue	.155	.78	.36	.20	.63	.205/.187 x .020	100	1000	1000	6000
DNFR14-250B-C		Blue	.155	.78	.36	.20	.63	.250 x .032	100	1000	1000	6000
DR18-205-C	22-18	—	—	.53	—	.25	.54	.205/.187 x .032	100	1000	1000	10,000
DR18-206-C		—	—	.53	—	.25	.54	.205/.187 x .020	100	1000	1000	10,000
DR18-250-C		—	—	.57	—	.30	.54	.250 x .032	100	1000	1000	10,000
DR14-205-C	16-14	—	—	.55	—	.25	.54	.205/.187 x .032	100	1000	1000	10,000
DR14-206-C				.55		.25	.54	.205/.187 x .020	100	1000	1000	10,000
▲ **DR14-250-C**		—	—	.57	—	.30	.55	.250 x .032	100	1000	1000	10,000
DR10-250-L	12-10	—	—	.61	—	.30	.57	.250 x .032	50	500	500	5000
* **DR18-205B-C**	22-18	—	—	.54	—	.25	.53	.205/.187 x .032	100	1000	1000	10,000
* **DR18-206B-C**		—	—	.54	—	.25	.53	.205/.187 x .020	100	1000	1000	10,000
DR18-250B-C		—	—	.55	—	.30	.53	.250 x .032	100	1000	1000	10,000
DR14-205B-C	16-14	—	—	.54	—	.25	.55	.205/.187 x .032	100	1000	1000	10,000
DR14-206B-C		—	—	.54	—	.25	.55	.205/.187 x .020	100	1000	1000	10,000
DR14-250B-C		—	—	.55	—	.30	.55	.250 x .032	100	1000	1000	10,000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

PIGGYBACK DISCONNECTS

Vinyl Insulated

- Insulation Grip Sleeve
- Female and male tabs combined in one disconnect
- Allows additional circuits to be added to existing equipment or ability to add future circuits—no costly rework or product changes needed

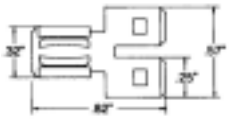
Part Number	Wire Range	Color code	Max. Ins.	Dim. (In.) A	Dim. (In.) W	Dim. (In.) F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DV18-250P-C	22-18	Red	.130	.88	.29	.25	.250 x .032	100	1000	1000	6000
DV14-250P-C	16-14	Blue	.160	.88	.29	.25	.250 x .032	100	1000	1000	6000
D-250A-C	—	—	—	See drawing			.250 x .032	100	1000	1000	10,000

Order the number of pieces required in multiples of standard package quantities.
C = 100 pcs. and M = 1000 pcs.

DISCONNECT ADAPTER

Non-Insulated

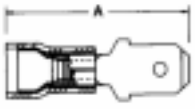
- Couples two female disconnects to one male disconnect (all .250 x .032)



MALE DISCONNECTS

Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve

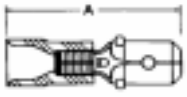


CERTIFIED
*Except DNF10-250M

RECOGNIZED

Vinyl Insulated — Funnel Entry

- Butted Seam

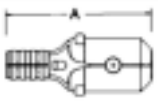


CERTIFIED

RECOGNIZED

Non-Insulated

- Butted Seam



CERTIFIED

RECOGNIZED

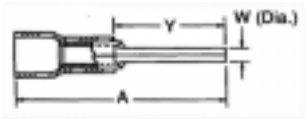
	Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
*	DNF18-250M-C	22-18	Red	.136	.90	.250 x .032	100	1000	1000	6000
*	DNF14-250M-C	16-14	Blue	.162	.90	.250 x .032	100	1000	1000	6000
*	DNF10-250M-L	12-10	Yellow	.225	.95	.250 x .032	50	500	500	3000
	DV18-250MB-C	22-18	Red	.154	.98	.250 x .032	100	500	1000	6000
	DV14-250MB-C	16-14	Blue	.180	.96	.250 x .032	100	500	1000	6000
▲	DV10-250M-L	12-10	Yellow	.235	.98	.250 x .032	50	500	500	3000
	D18-250MB-C	22-18	—	—	.69	.250 x .032	100	500	1000	10,000
	D14-250MB-C	16-14	—	—	.69	.250 x .032	100	500	1000	10,000
▲	D10-250M-L	12-10	—	—	.72	.250 x .032	50	500	500	5000

▲ = Brazed Seam
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

PIN TERMINALS

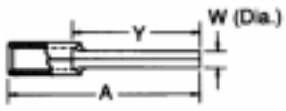
Vinyl Insulated

- Insulation Support
- Brazed Seam
- For Pin-Type Terminal Blocks



Non-Insulated

- Brazed Seam
- Beveled Wire Lead-In
- For Pin-Type Terminal Blocks



Part Number	Wire Range	Color Code	Max. Ins.	Dimensions (In.)			Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
				A	Y	W				
PV18-P47-C	22-18	Red	.150	.83	.47	.08	100	1000	1000	6000
PV14-P47-C	16-14	Blue	.170	.83	.47	.08	100	1000	1000	6000
PV10-P55-L	12-10	Yellow	.250	1.10	.55	.11	50	500	500	3000
P18-P47-C	22-18	—	—	.67	.47	.08	100	1000	1000	10,000
P14-P47-C	16-14	—	—	.67	.47	.08	100	1000	1000	10,000
P10-P55-L	12-10	—	—	.79	.55	.11	50	500	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

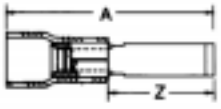
MALE BLADE ADAPTERS

Vinyl Insulated

- Brazed Seam
- For Blade-Type Terminal Blocks

CERTIFIED

RECOGNIZED

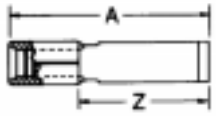


Non-Insulated

- Brazed Seam
- For Blade-Type Terminal Blocks

CERTIFIED

RECOGNIZED

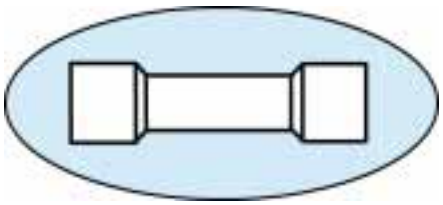


Part Number	Wire Range	Color Code	Max. Ins.	Dimensions (In.)		Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
				A	Z					
DV18-145M-C	22-18	Red	.140	.97	.42	.145 x .032	100	500	1000	6000
DV14-145M-C	16-14	Blue	.170	.97	.42	.145 x .032	100	500	1000	6000
D18-145M-C	22-18	—	—	.75	.42	.145 x .032	100	1000	1000	10,000
D14-145M-C	16-14	—	—	.75	.42	.145 x .032	100	1000	1000	10,000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

Features & Benefits of Splices, Wire Joints, and *P-CONN* Wire Connectors

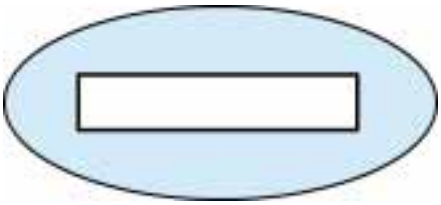
BUTT SPLICES



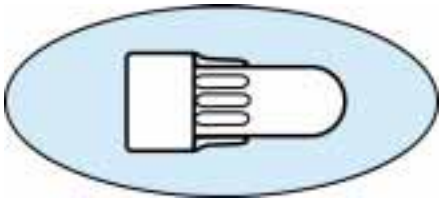
- **IDEAL FOR -** all in-line applications, including motor lead applications
- **AVAILABLE IN -** nylon and non-insulated designs from #26 AWG - #10 AWG. Also available with expanded wire entry, with a vinyl insulation, from #22 AWG - #10 AWG
- **RATED** at 600V and up to 105°C (221°F) for insulated and 90°C (194°F) for non-insulated designs

PARALLEL SPLICES

- **IDEAL FOR -** in-line, single crimp splice applications
- **AVAILABLE IN -** nylon and non-insulated designs
- **RATED** at 300V and up to 105°C (221°F) for nylon insulated and 90°C (194°F) for non-insulated designs



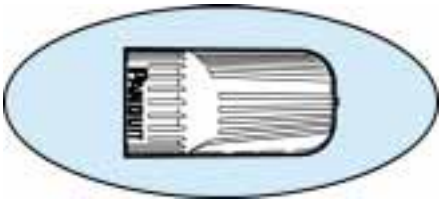
WIRE JOINTS



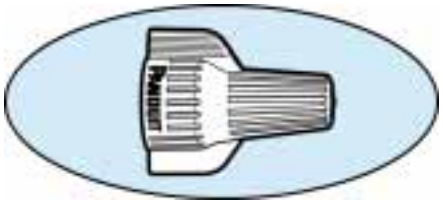
- **PROVIDES -** a permanent connection for groups of wires that enter the splice from a single direction
- **ACCOMMODATES -** a variety of wire combinations
- **RATED** at 600V and up to 105°C (221°F) for insulated designs and 90°C (194°F) for non-insulated designs

P-CONN SHARK™ FIN STYLE SCREW-ON WIRE CONNECTOR

- **PROVIDES -** an excellent solution for reusable or permanent connections with a wide variety of wire sizes
- **OFFSET FINS -** provide a large gripping surface for comfort and greater torque capability
- **FUNNEL ENTRY -** for easier wire insertion
- **RATED** at 600V and up to 105°C (221°F)



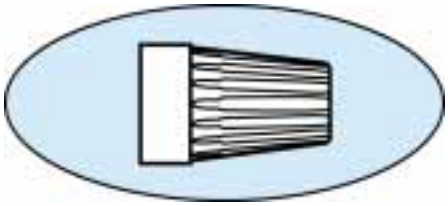
P-CONN HAWK™ WING STYLE SCREW-ON WIRE CONNECTOR



- **PROVIDES -** an excellent solution for reusable or permanent connections with a wide variety of wire sizes
- **OFFSET WINGS -** provide a large gripping surface for comfort and greater torque capability
- **FUNNEL ENTRY -** for easier wire insertion
- **RATED** at 600V and up to 105°C (221°F)

P-CONN PYTHON™ NUT STYLE SCREW-ON WIRE CONNECTOR

- **PROVIDES -** optimal performance in a variety of applications
- **FUNNEL ENTRY -** for easier wire insertion
- **AVAILABLE -** in standard and high temperature designs
- **RATED** up to 105°C (221°F) for the standard design and 150°C (302°F) for the high temperature design



Part Number System for PAN-TERM Splices

Type:
BS = Butt Splice
PS = Parallel Splice

Insulation:
N = Nylon
V = Vinyl

Special Configuration:
X = Expanded Insulation

BSV18X-C

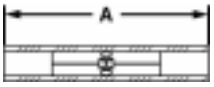
Wire Range:
22 = #26-22
18 = #22-18
14 = #16-14
12 = #18-12
10 = #12-10

Package Size:
X = 10
Q = 25
L = 50
C = 100
T = 200
D= 500
M= 1000

Butt Splices

Nylon Insulated

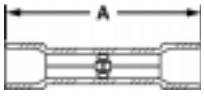
- Brazed Seam
- Internal Wire Stops assure proper insertion length



LISTED
CERTIFIED

Vinyl Insulated

- Expanded Insulation
- Insulation Support
- Internal Wire Stops



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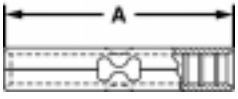
Non-Insulated

- Brazed Seam
- Internal Wire Stops



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Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
BSN22-C	26-22	Yellow	.080	.79	100	1000	1000	6000
BSN18-C	22-18	Red	.115	1.15	100	1000	1000	6000
BSN14-C	16-14	Blue	.148	1.15	100	1000	1000	6000
BSN10-L	12-10	Yellow	.210	1.21	50	500	500	3000
BSV18X-C	22-18	Red	.183	1.03	100	1000	1000	6000
BSV14X-C	16-14	Blue	.211	1.04	100	1000	1000	6000
BSV10X-L	12-10	Yellow	.260	1.27	50	500	500	3000
BS22-C	26-22	—	—	.47	100	1000	1000	10,000
BS18-C	22-18	—	—	.62	100	1000	1000	10,000
BS14-C	16-14	—	—	.62	100	1000	1000	10,000
BS10-L	12-10	—	—	.72	50	500	500	5000

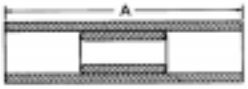
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

Parallel Splices

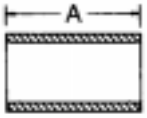
Nylon Insulated

- Only one crimp is needed to complete the splice

CERTIFIED



Non-Insulated



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Part Number	Wire Range	Color Code	Max. Ins.	Dim. (In.) A	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PSN18-C	22-18	Red	.129	.75	100	500	1000	6000
PSN16-C	20-16	Blue	.150	.75	100	500	1000	6000
PSN12-L	14-12	Yellow	.204	.83	50	500	500	3000
PS18-C	22-18	—	—	.29	100	500	1000	10,000
PS16-C	20-16	—	—	.29	100	500	1000	10,000
PS12-L	14-12	—	—	.38	50	500	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

Part Number System for PAN-TERM Wire Joints

Type
J = Wire Joint (Non-Insulated)
JN = Wire Joint (Nylon Insulated)

JN418-212-C

Package Size
X = 10
L = 50
C = 100
T = 200
D = 500
M = 1000

Wire Range:

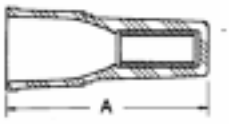
J Types:
214-312 = two #14 or three #12
318-412 = three #18 or four #12
216-410 = two #16 or four #10

JN Types:
224-318 = two #24 or three #18
218-216 = two #18 or two #16
418-212 = four #18 or two #12
314-412 = three #14 or four #12

WIRE JOINTS

Wire joints are used to crimp groups of wires. They can be used in applications subject to severe vibration.

Nylon Insulated



LISTED*

CERTIFIED*

*Except JN314-412

Non-Insulated

LISTED*

CERTIFIED*

*Except J216-410

Part Number	Min/Max Wire Range	Color Code	CMA Range Min.	CMA Range Max.	Dim. (In.) A	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
JN224-318-C	2 #24-2 #16	Red	808	5160	.78	100	1000	1000	6000
JN218-216-C	2 #22-2 #16	Clear	1284	5160	.78	100	1000	1000	6000
JN418-212-C	4 #18-2 #12	Clear	6480	14750	.93	100	1000	500	3000
JN314-412-C	3 #14-4 #12	Clear	10320	26120	.97	100	1000	1000	6000
J214-312-T	2 #14-3 #12	—	5760	19590	.37	200	2000	2000	20,000
J318-412-T	3 #18-4 #12	—	4860	27330	.37	200	2000	2000	20,000
J216-410-L	2 #16-4 #10	—	5160	41600	.62	50	500	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., T = 200 pcs., D = 500 pcs., M = 1000 pcs. and 2M = 2000 pcs.

Panduit's NEW Fin Style Screw-On Wire Connector Provides the Pullout Protection You Need

Check out these outstanding features:

- Easy-on-the-fingers design makes installation a breeze
- Funnel entry guides wire into connector
- Secure bite and hold "live" spring
- Three sizes cover full range of wire sizes and combinations

Whatever wire connector style you prefer, Panduit has it!

P-CONN™ SHARK™ Fin Style Wire Connector

P-CONN™ HAWK™ Wing Style Wire Connector

P-CONN™ PYTHON™ Nut Style Wire connector

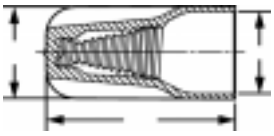
LISTED CERTIFIED

P-CONN SHARK™ Screw-On Fin Style Wire Connectors

- Nylon Insulated
- Contoured Fin improves gripping ability and comfort
- Deep Skirt protects against flashover and shorts

Part Number	Min/Max Wire Range	Color Code	CMA Range		Dimensions (In.)			Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
			Min.	Max.	B	C	E				
PF1-C	(3)#22 (3)#12	Yellow	1,920	19,590	.41	.48	.96	100	1000	500	5000
PF2-C	(3)#22 (5)#12	Red	1,920	32,650	.51	.58	1.15	100	1000	500	5000
PF4-L	(1)#14 & (1)#12 (1)#6 & (2)#8	Blue	10,640	59,290	.65	.75	1.50	50	500	250	2500

Order the number of pieces required in multiples of standard package quantities. L = 50 pcs., C = 100 pcs., TL = 250 pcs., and D = 500 pcs.



Fin Style Wire Combination Chart

Wire Combination	3 - #22	5 - #22	2 - #18	1 - #12 1 - #14	4 - #14	2 - #12 1 - #14	3 - #12	4 - #12	2 - #8	3 - #12 1 - #8	4 - #10	3 - #12 3 - #10	2 - #6 1 - #10
PF1													
PF2													
PF4													
Circular Mil Area	1,920	3,200	3,240	10,640	16,440	17,170	19,590	26,120	33,020	36,100	41,280	50,550	62,860

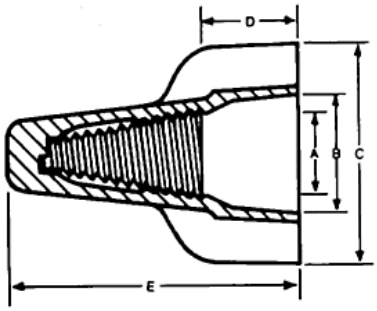
LISTED CERTIFIED

P-CONN HAWK™ Screw-On Wing Style Wire Connectors

- Nylon Insulated
- Expanding Square Wire Spring assures low resistance
- Offset Wings offer large gripping surface

Part Number	Min/Max Wire Range	Color Code	CMA Range		Dimensions (In.)					Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
			Min.	Max.	A	B	C	D	E				
P1-C	(3)#22 (3) #12	Yellow	1,920	19,590	.17	.41	.77	.36	.95	100	1000	500	5000
P2-C	(3) #22 (3)#12 & (1)#8	Red	1,920	36,100	.24	.52	.93	.44	1.20	100	1000	500	5000
P4-L	(1)#12 & (1)#14 (2)#6 & (1)#10	Blue	10,640	62,860	.37	.61	1.15	.49	1.50	50	500	250	2500

Order the number of pieces required in multiples of standard package quantities. L = 50 pcs., C = 100 pcs., TL = 250 pcs., and D = 500 pcs.



Wing Style Wire Combination Chart

Wire Combination	3-#22	5-#22	2-#18	1-#12 1-#14	4-#14	2-#12 1-#14	3-#12	4-#12	2-#8	3-#12 1-#8	4-#10	3-#12 3-#10	2-#6 1-#10
P1													
P2													
P4													
Circular Mil Area	1,920	3,200	3,240	10,640	16,440	17,170	19,590	26,120	33,020	36,100	41,280	50,550	62,860

LISTED CERTIFIED

P-CONN Screw-On Wing Style Grounding Wire Connectors

Part Number	Min/Max Wire Range	Color Code	CMA Range		Dimensions (In.)					Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
			Min.	Max.	A	B	C	D	E				
P2G-C	(2)#14 (5)#12	Green	8,220	32,650	.27	.46	.88	.44	1.20	100	1000	500	5000

Standard Junction Box Application

Order the number of pieces required in multiples of standard package quantities. C = 100 pcs. and D = 500 pcs.

How it is typically used ...

A. System grounding wire

B. System grounding wire

C. "Through" wire between device and box ground

(NOTE: For non-metallic box applications, "A WIRE" or "B WIRE" may act as "through" wire to device.)

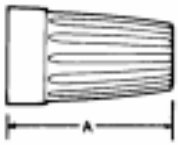
LISTED
File No. E136227

CERTIFIED
File No. LR31212

P-CONN PYTHON™ Screw-On Nut Style Wire Connectors Nylon

Insulated

- Expanded Wire Range Capability
- For applications up to 105°C (221°F)



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CERTIFIED

Part Number	Min/ Max Wire Range	Color Code	CMA Range Min.	CMA Range Max.	Dim. (In.) A	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.	Keg Pkg. Qty.
P72-C	(2)#22 (3)#16	Blue	1,280	7,740	.70	100	1000	500	2000	10,000
P73-C	(3)#20 (4)#16	Orange	3,060	10,320	.85	100	1000	500	2000	10,000
P74-C	(2)#18 (3)#12	Yellow	3,240	19,590	.92	100	1000	500	2000	10,000
P76-C	(4)#18 (4)#12	Red	6,480	26,120	1.03	100	1000	250	1000	5000

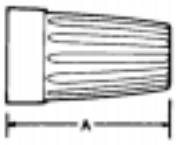
Order the number of pieces required in multiples of standard package quantities.
C = 100 pcs., TL = 250 pcs., D = 500 pcs., and 10M = 10,000 pcs.

NUT STYLE WIRE COMBINATION CHART

Wire Combination	2-#22	3-#20	2-#18	4-#18	2-#16 2-#20	3-#16	4-#16	1-#14 1-#12	3-#18 4-#16	3-#12	4-#12
P72, P72HT											
P73, P73HT											
P74, P74HT											
P76, P76HT											
Circular Mil Area	1,280	3,060	3,240	6,480	7,280	7,740	10,320	10,640	15,180	19,590	26,120

P-CONN PYTHON Screw-On Nut Style High Temperature Wire Connectors

- For high temperature applications up to 150°C (302°F)



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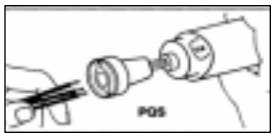
CERTIFIED

Part Number	Min./ Max. Wire Range	Color Code	CMA Range Min.	CMA Range Max.	Dim. (In.) A	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.	Keg Pkg. Qty.
P72HT-D	(2)#22 (3)#16	Black	1,280	7,740	.70	—	—	500	10,000	10,000
P73HT-D	(3)#20 (4)#16		3,060	10,320	.85	—	—	500	10,000	10,000
P74HT-D	(2)#18 (3)#12		3,240	19,590	.92	—	—	500	10,000	10,000
P76HT-TL	(4)#18 (4)#12		6,480	26,120	1.03	—	—	250	2500	5000

Order the number of pieces required in multiples of standard package quantities.
TL = 250 pcs., D = 500 pcs., 5M = 5000 pcs., and 10M = 10,000 pcs.

P-CONN "QUICK-SPIN" Installation Tools



Part Number	Description	Std. Pkg. Qty.
PQS1	**"Quick Spin" tool - Fits ¼" drill for P1 & P2**	**1**
PQS2	"Quick Spin" tool - Fits ¼" drill for P72 & P73	1
PQS3	"Quick Spin" tool - Fits ¼" drill for P74 & P76	1

Order number of pieces required in multiples of standard package quantities.
1 = 1 pc.

PICK A P-CONN Kit Boxes

KP-305 & KP-305S KIT BOXES

Part Number	Description	Pkg. Qty.
KP-305	Includes 100 ea. P1 & P73; 75 ea. P2; 15 ea. P4; 1 ea. PQS1 and PQS2	1
KP-305S	Includes 100 ea. PF1 & P73; 75 ea. PF2; 15 ea. PF4; 1 ea. PQS1 and PQS2	1

Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

WIRE STRIPPERS

Part Number	Description	Pkg. Qty.
CST101	"V" Notch Stripper for 10-20 AWG Solid Wire	1
CST115	Plier Nose Stripper for 10-20 AWG Solid Wire	1

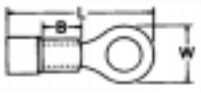
Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

HEAT SHRINK INSULATED TERMINALS, SPLICES AND DISCONNECTS

- Form a protective barrier that provides environmentally sealed terminations
- Provide excellent strain relief for improved crimp integrity
- After crimping, heat shrink insulation is activated with a standard heat gun or an open flame
- Adhesive lined heat shrink

Heat shrink insulated terminals, butt splices and disconnects are both air and water tight.

HEAT SHRINK RING TERMINALS



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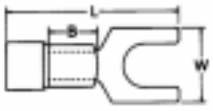
HEAT SHRINK FORK TERMINALS



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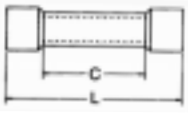
HEAT SHRINK BUTT SPLICES



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CERTIFIED

Part Number	Wire Range	Color Code	Max. Ins.	Stud Size	Dimensions (In.) B	W	L	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PH18-6R-Q	22-18	Red	.170	#6	.25	.25	1.05	25	125	500	2000
PH18-8R-Q		Red	.170	#8	.25	.31	1.08	25	125	500	2000
PH18-10R-Q		Red	.170	#10	.25	.31	1.08	25	125	500	2000
PH18-14R-Q		Red	.170	1/4"	.25	.47	1.30	25	125	500	2000
PH14-6R-Q	16-14	Blue	.190	#6	.25	.31	1.06	25	125	500	2000
PH14-8R-Q		Blue	.190	#8	.25	.31	1.03	25	125	500	2000
PH14-10R-Q		Blue	.190	#10	.25	.31	1.12	25	125	500	2000
PH14-14R-Q		Blue	.190	1/4"	.25	.46	1.24	25	125	500	2000
PH14-56R-Q		Blue	.190	5/16"	.25	.46	1.27	25	125	500	2000
PH14-38R-Q		Blue	.190	3/8"	.25	.53	1.26	25	125	500	2000
PH10-8R-E	12-10	Yellow	.240	#8	.25	.37	1.22	20	100	200	800
PH10-10R-E		Yellow	.240	#10	.25	.37	1.20	20	100	200	800
PH10-14R-E		Yellow	.240	1/4"	.25	.52	1.41	20	100	200	800
PH10-38R-E		Yellow	.240	3/8"	.25	.59	1.45	20	100	200	800
PH10-12R-E		Yellow	.240	1/2"	.25	.72	1.54	20	100	200	800
PH18-6F-Q	22-18	Red	.170	#6	.25	.32	1.04	25	125	500	2000
PH18-8F-Q		Red	.170	#8	.25	.32	1.04	25	125	500	2000
PH18-10F-Q		Red	.170	#10	.25	.32	1.04	25	125	500	2000
PH14-6F-Q	16-14	Blue	.190	#6	.25	.38	1.14	25	125	500	2000
PH14-8F-Q		Blue	.190	#8	.25	.38	1.04	25	125	500	2000
PH14-10F-Q		Blue	.190	#10	.25	.38	1.07	25	125	500	2000
PH10-8F-E	12-10	Yellow	.240	#8	.25	.38	1.15	20	100	200	800
PH10-10F-E		Yellow	.240	#10	.25	.38	1.15	20	100	200	800
					Dimensions (In.) C		L				
BSH18-Q	22-18	Red	.170	—	.58	—	1.45	25	125	500	2000
BSH14-Q	16-14	Blue	.190	—	.58	—	1.45	25	125	500	2000
BSH10-E	12-10	Yellow	.240	—	.74	—	1.64	20	100	200	800

Crimp Tool: use CT-310 for all Heat Shrink Insulated Terminals, Splices and Disconnects.
See Page 46
Order the number of pieces required in multiples of standard package quantities.
E = 20 pcs., Q = 25 pcs., T = 200 pcs., and D = 500 pcs.

HEAT SHRINK DISCONNECTS

Part Number	Wire Range	Color Code	Max. Ins.	Dimensions (In.) A	W	H	L	Type	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DNH18-250FIM-Q	22-18	Red	.133	.90	.41	.31	1.50	Male	25	125	500	2000
DNH18-250FIB-Q		Red	.132	.84	.35	.22	1.44	Female	25	125	500	2000
DNH14-250FIM-Q	16-14	Blue	.158	.90	.41	.31	1.50	Male	25	125	500	2000
DNH14-250FIB-Q		Blue	.156	.84	.35	.22	1.44	Female	25	125	500	2000
DNH10-250FI-E	12-10	Yellow	.230	.96	.35	.27	1.44	Female	20	100	200	800

Crimp Tool: use CT-310 for all Heat Shrink Insulated Terminals, Splices and Disconnects. *See Page 46*..
Order the number of pieces required in multiples of standard package quantities.
E = 20 pcs., Q = 25 pcs., T = 200 pcs., and D = 500 pcs.

Part Number System for PAN-TERM Metric Terminals

PM V 1 - 3 R B - C

Type:
PAN-TERM
Metric

Insulation
N = Nylon
NF = Nylon Funnel Entry
V = Vinyl
= Non-Insulated (leave blank)

Wire Range
1 = 0,5-1,0mm²
2 = 1,5-2,5mm²
6 = 4,0-6,0mm²

Stud Size
3 = M3
4 = M4
5 = M5
6 = M6
8 = M8

Tongue Configuration
R = Ring
F = Fork
P = Pin

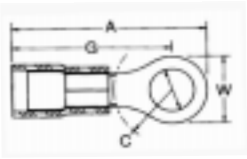
Special Configuration
B = Butted Seam

Package Quantity
X = 10
E = 20
Q = 25
L = 50
C = 100
T = 200
M = 1000

Metric Ring Terminals

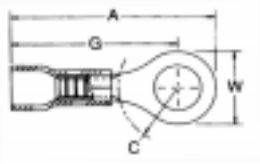
Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve



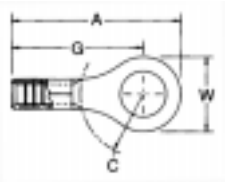
Vinyl Insulated - Funnel Entry

- Insulation Support



Non-Insulated

- Brazed Seam



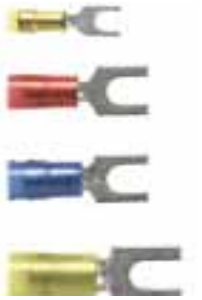
Part Number	Wire Range (mm²)	Color Code	Max. Ins.	Stud Size	Dimensions (mm) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PMNF1-3R-C	0,5-1,0	Red	4,01	M3	19,7	5,9	5,2	16,5	100	500	1000	6000
PMNF1-4R-C		Red	4,01	M4	21,5	7,9	6,4	18,0	100	500	1000	6000
PMNF1-5R-C		Red	4,01	M5	22,1	8,9	6,4	18,0	100	500	1000	6000
PMNF1-6R-C		Red	4,01	M6	26,3	10,9	9,7	21,5	100	500	1000	6000
PMNF2-3R-C	1,5-2,5	Blue	4,27	M3	19,2	5,9	5,1	16,2	100	500	1000	6000
PMNF2-4R-C		Blue	4,27	M4	21,7	7,9	6,5	18,0	100	500	1000	6000
PMNF2-5R-C		Blue	4,27	M5	22,2	8,9	6,5	18,0	100	500	1000	6000
PMNF2-6R-C		Blue	4,27	M6	26,5	10,9	9,7	21,2	100	500	1000	6000
PMNF6-3R-L	4,0-6,0	Yellow	5,84	M3	26,1	6,0	7,8	23,5	50	500	500	3000
PMNF6-4R-L		Yellow	5,84	M4	27,1	8,0	7,8	23,5	50	500	500	3000
PMNF6-5R-L		Yellow	5,84	M5	27,9	9,5	7,8	23,5	50	500	500	3000
PMNF6-6R-L		Yellow	5,84	M6	30,0	10,9	9,7	25,5	50	500	500	3000
PMNF6-8R-L		Yellow	5,84	M8	32,0	13,3	9,7	25,5	50	500	500	3000
PMV1-3RB-C	0,5-1,0	Red	3,91	M3	21,3	5,9	5,2	18,5	100	500	1000	6000
PMV1-4RB-C		Red	3,91	M4	23,6	7,9	6,4	20,0	100	500	1000	6000
PMV1-5RB-C		Red	3,91	M5	24,0	8,9	6,4	20,0	100	500	1000	6000
PMV1-6RB-C		Red	3,91	M6	28,8	10,9	9,7	23,5	100	500	1000	6000
PMV2-3RB-C	1,5-2,5	Blue	4,47	M3	20,5	5,9	5,1	17,5	100	500	1000	6000
PMV2-4RB-C		Blue	4,,47	M4	23,2	7,9	6,5	19,5	100	500	1000	6000
PMV2-5RB-C		Blue	4,47	M5	23,8	8,9	6,5	19,5	100	500	1000	6000
PMV2-6RB-C		Blue	4,47	M6	27,8	10,9	9,7	23,0	100	500	1000	6000
PMV6-3R-L	4,0-6,0	Yellow	5,97	M3	26,0	6,0	7,8	23,0	50	500	500	3000
PMV6-4R-L		Yellow	5,97	M4	26,4	8,0	7,8	22,5	50	500	500	3000
PMV6-5R-L		Yellow	5,97	M5	27,3	9,5	7,8	22,5	50	500	500	3000
PMV6-6R-L		Yellow	5,97	M6	30,1	10,9	9,7	25,0	50	500	500	3000
PMV6-8R-L		Yellow	5,97	M8	31,4	13,3	9,7	25,0	50	500	500	3000
PM1-3R-C	0,5-1,0	—	—	M3	15,4	5,9	5,2	12,7	100	500	1000	10,000
PM1-4R-C		—	—	M4	17,9	7,9	6,4	14,0	100	500	1000	10,000
PM1-5R-C		—	—	M5	18,9	8,9	6,4	14,0	100	500	1000	10,000
PM1-6R-C		—	—	M6	22,7	10,9	9,7	17,3	100	500	1000	10,000
PM2-3R-C	1,5-2,5	—	—	M3	15,4	5,9	5,1	12,4	100	500	1000	10,000
PM2-4R-C		—	—	M4	17,9	7,9	6,5	14,0	100	500	1000	10,000
PM2-5R-C		—	—	M5	18,4	8,9	6,5	14,0	100	500	1000	10,000
PM2-6R-C		—	—	M6	22,7	10,9	9,7	17,3	100	500	1000	10,000
PM6-3R-L	4,0-6,0	—	—	M3	18,8	6,0	7,8	15,7	50	500	500	5000
PM6-4R-L		—	—	M4	19,8	8,0	7,8	15,7	50	500	500	5000
PM6-5R-L		—	—	M5	20,5	9,5	7,8	15,7	50	500	500	5000
PM6-6R-L		—	—	M6	23,1	10,9	9,7	17,6	50	500	500	5000
PM6-8R-L		—	—	M8	24,2	13,3	9,7	17,6	50	500	500	5000

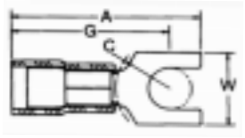
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

Metric Fork Terminals

Nylon Insulated - Funnel Entry

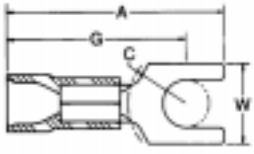
- Insulation Grip Sleeve





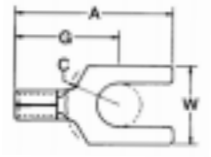
Vinyl Insulated - Funnel Entry

- Insulation Support



Non-Insulated

- Brazed Seam

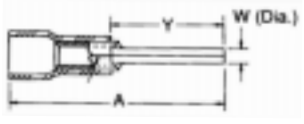


Part Number	Wire Range (mm^2)	Color Code	Max. Ins.	Stud Size	Dimensions (mm) A	W	C	G	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PMNF1-3F-C	0,5-1,0	Red	3,71	M3	20,0	5,9	4,9	17,9	100	500	1000	6000
PMNF1-4F-C		Red	3,71	M4	21,3	8,2	5,8	19,0	100	500	1000	6000
PMNF1-5F-C		Red	3,71	M5	21,8	8,9	6,3	19,7	100	500	1000	6000
PMNF1-6F-C		Red	3,71	M6	25,8	11,2	8,4	22,1	100	500	1000	6000
PMNF2-3F-C	1,5-2,5	Blue	4,11	M3	19,6	5,9	4,9	17,9	100	500	1000	6000
PMNF2-4F-C		Blue	4,11	M4	21,6	7,9	5,8	18,6	100	500	1000	6000
PMNF2-5F-C		Blue	4,11	M5	22,0	8,6	6,4	19,2	100	500	1000	6000
PMNF2-6F-C		Blue	4,11	M6	26,5	11,2	8,4	21,5	100	500	1000	6000
PMNF6-4F-L	4,0-6,0	Yellow	5,94	M4	27,5	7,9	6,2	20,9	50	500	500	3000
PMNF6-5F-L		Yellow	5,94	M5	27,5	9,5	6,2	20,9	50	500	500	3000
PMNF6-6F-L		Yellow	5,94	M6	30,2	11,0	8,2	22,8	50	500	500	3000
PMV1-3FB-C	0,5-1,0	Red	4,01	M3	21,8	5,9	4,9	17,9	100	500	1000	6000
PMV1-4FB-C		Red	4,01	M4	23,7	8,2	5,8	19,0	100	500	1000	6000
PMV1-5FB-C		Red	4,01	M5	23,7	8,9	6,3	19,7	100	500	1000	6000
PMV1-6FB-C		Red	4,01	M6	28,5	11,2	8,4	22,1	100	500	1000	6000
PMV2-3FB-C	1,5-2,5	Blue	4,70	M3	21,6	5,9	4,9	17,9	100	500	1000	6000
PMV2-4FB-C		Blue	4,70	M4	23,0	8,2	5,8	18,6	100	500	1000	6000
PMV2-5FB-C		Blue	4,70	M5	23,3	8,6	6,4	19,2	100	500	1000	6000
PMV2-6FB-C		Blue	4,70	M6	28,2	11,2	8,4	21,5	100	500	1000	6000
PMV6-4F-L	4,0-6,0	Yellow	6,10	M4	26,7	7,9	6,2	20,9	50	500	500	3000
PMV6-5F-L		Yellow	6,10	M5	26,7	9,5	6,2	20,9	50	500	500	3000
PMV6-6F-L		Yellow	6,10	M6	29,3	11,0	6,2	22,8	50	500	500	3000
PM1-3F-C	0,5-1,0	—	—	M3	16,2	5,9	4,9	12,7	100	500	1000	10,000
PM1-4F-C		—	—	M4	17,8	8,2	5,8	13,4	100	500	1000	10,000
PM1-5F-C		—	—	M5	18,3	8,9	6,3	14,2	100	500	1000	10,000
PM1-6F-C		—	—	M6	22,3	11,2	8,4	16,0	100	500	1000	10,000
PM2-3F-C	1,5-2,5	—	—	M3	16,2	5,9	4,9	12,7	100	500	1000	10,000
PM2-4F-C		—	—	M4	17,8	7,9	6,0	13,3	100	500	1000	10,000
PM2-5F-C		—	—	M5	18,0	8,6	6,4	14,2	100	500	1000	10,000
PM2-6F-C		—	—	M6	22,4	11,2	8,4	15,8	100	500	1000	10,000
PM6-4F-L	4,0-6,0	—	—	M4	19,4	7,9	6,2	13,6	50	500	500	5000
PM6-5F-L		—	—	M5	19,4	9,5	6,2	13,6	50	500	500	5000
PM6-6F-L		—	—	M6	22,7	11,0	8,2	16,3	50	500	500	5000

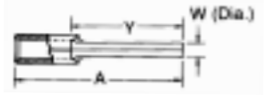
Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

Metric Pin Terminals

Vinyl Insulated



Non-Insulated



Part Number	Wire Range (mm^2)	Color Code	Max. Ins.	Dimensions (mm) A	Y	W	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
PMV1-P10-C	0,5-1,0	Red	4,06	21,3	11,9	2,0	100	500	1000	6000
PMV2-P10-C	1,5-2,5	Blue	4,44	21,3	11,9	2,0	100	500	1000	6000
PMV6-P10-L	4,0-6,0	Yellow	6,48	28,4	14,0	2,7	50	250	500	3000
PM1-P10-C	0,5-1,0	—	—	17,5	11,9	2,0	100	500	1000	10,000
PM2-P10-C	1,5-2,5	—	—	17,5	11,9	2,0	100	500	1000	10,000
PM6-P10-L	4,0-6,0	—	—	20,3	14,0	2,7	50	250	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

Part Number System for PAN-TERM Metric Disconnects

DMNF1-285FIB-C

Type
DM = *PAN-TERM* Metric Disconnect

Insulation
N = Nylon
NF = Nylon-Funnel Entry
V = Vinyl
= Non-Insulated (leave blank)

Wire Range
1 = 0,5-1,0mm²
2 = 1,5-2,5mm²
6 = 4,0-6,0mm²

Size & Type
285 = 2,8mm x 0,5mm
288 = 2,8mm x 0,8mm
488 = 4,8mm x 0,8mm
63 = 6,3mm x 0,8mm

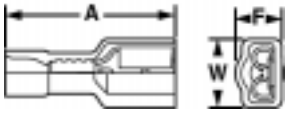
Special Configuration
B = Butted Seam
FI = Fully Insulated
FIB = Fully Insulated Butted Seam Female
FIM = Fully Insulated Male
M = Male
MB = Butted Seam Male

Package Quantity
X = 10
E = 20
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

METRIC FEMALE DISCONNECTS

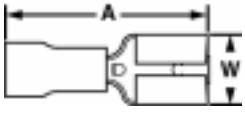
Fully Insulated Nylon - Funnel Entry

- Insulation Support
- Internal Wire Stop



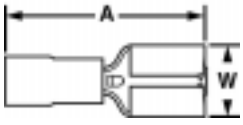
Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve



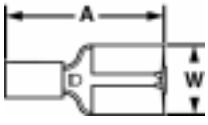
Vinyl Insulated

- Sleeved Barrel



Non-Insulated

- Sleeved Barrel



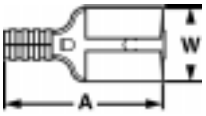
Part Number	Wire Range (mm²)	Color Code	Max. Ins.	Dimensions (mm) A	W	F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DMNF1-285FIB-C	0,5-1,0	Red	3,45	18,0	4,8	4,0	2,8 x 0,5	100	500	1000	6000
DMNF1-288FIB-C		Red	3,45	18,0	4,8	4,0	2,8 x 0,8	100	500	1000	6000
DMNF1-488FIB-C		Red	3,45	19,8	7,9	5,5	4,8 x 0,8	100	500	1000	6000
DMNF1-63FIB-C		Red	3,45	21,3	8,9	5,5	6,3 x 0,8	100	500	1000	6000
DMNF2-488FIB-C	1,5-2,5	Blue	4,06	19,8	7,9	5,5	4,8 x 0,8	100	500	1000	6000
DMNF2-63FIB-C		Blue	4,06	21,3	8,9	5,5	6,3 x 0,8	100	500	1000	6000
DMNF6-63FI-L	4,0-6,0	Yellow	5,84	24,1	9,1	6,9	6,3 x 0,8	50	500	500	3000
DMNF1-285-C	0,5-1,0	Red	2,54	17,8	3,8	—	2,8 x 0,5	100	500	1000	6000
DMNF1-288-C		Red	2,54	17,8	3,8	—	2,8 x 0,8	100	500	1000	6000
DMNF1-488-C		Red	3,30	19,3	5,8	—	4,8 x 0,8	100	500	1000	6000
DMNF1-63-C		Red	3,30	20,8	7,4	—	6,3 x 0,8	100	500	1000	6000
DMNF2-488-C	1,5-2,5	Blue	4,06	19,3	5,8	—	4,8 x 0,8	100	1000	1000	6000
DMNF2-63-C		Blue	4,06	20,8	7,4	—	6,3 x 0,8	100	1000	1000	6000
DMV6-63-L	4,0-6,0	Yellow	6,22	26,4	7,4	—	6,3 x 0,8	50	500	500	3000
DM1-488-C	0,5-1,0	—	—	15,2	5,8	—	4,8 x 0,8	100	500	1000	10,000
DM1-63-C		—	—	16,8	7,4	—	6,3 x 0,8	100	500	1000	10,000
DM2-488-C	1,5-2,5	—	—	15,2	5,8	—	4,8 x 0,8	100	500	1000	10,000
DM2-63-C		—	—	16,8	7,4	—	6,3 x 0,8	100	500	1000	10,000
DM6-63-L	4,0-6,0	—	—	19,3	7,4	—	6,3 x 0,8	50	500	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs, C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

FEMALE DISCONNECTS

Non-Insulated

- Butted Seam



MALE DISCONNECTS

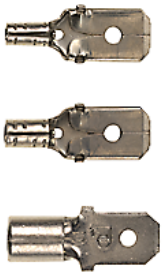
Fully Insulated Nylon - Funnel Entry

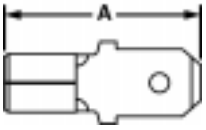
- Insulation Support

Nylon Insulated - Funnel Entry

- Insulation Grip Sleeve

Non-Insulated





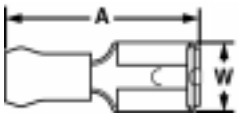
PIGGYBACK DISCONNECTS

Vinyl Insulated

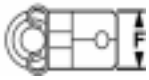
- Insulation Grip Sleeve

Part Number	Wire Range (mm^2)	Color Code	Max. Ins.	Dimensions (mm) A	W	F	Tab Size	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
DM1-285B-C	0,5-1,0	—	—	13,2	3,8	—	2,8 x 0,5	100	500	1000	10,000
DM1-288B-C		—	—	13,2	3,8	—	2,8 x 0,8	100	500	1000	10,000
DMNF1-63FIM-C	0,5-1,0	Red	3,45	23,1	10,7	7,9	6,3 x 0,8	100	500	1000	6000
DMNF2-63FIM-C	1,5-2,5	Blue	4,06	23,1	10,7	7,5	6,3 x 0,8	100	500	1000	6000
DMNF1-63M-C	0,5-1,0	Red	3,94	22,9	—	—	6,3 x 0,8	100	500	1000	6000
DMNF2-63M-C	1,5-2,5	Blue	4,32	22,9	—	—	6,3 x 0,8	100	500	1000	6000
DMNF6-63M-L	4,0-6,0	Yellow	5,84	26,2	—	—	6,3 x 0,8	50	250	500	3000
DM1-63MB-C	0,5-1,0	—	—	17,3	—	—	6,3 x 0,8	100	500	1000	10,000
DM2-63MB-C	1,5-2,5	—	—	17,3	—	—	6,3 x 0,8	100	500	1000	10,000
DM6-63M-L	4,0-6,0	—	—	18,3	—	—	6,3 x 0,8	50	250	500	5000
DMV1-63P-C	0,5-1,0	Red	3,68	22,3	7,6	6,3	6,3 x 0,8	100	500	1000	6000
DMV2-63P-C	1,5-2,5	Blue	4,06	22,3	7,6	6,3	6,3 x 0,8	100	500	1000	6000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.



Female Tab



Male Tab

Part Number System for PAN-TERM Metric Splices and Wire Joints

BSM V 1 BX - C

Type
BSM = Metric Butt Splice
JM = Metric Wire Joint

Insulation
N = Nylon
V = Vinyl
= Non-Insulated (leave blank)

Wire Range
1 = 0,5-1,0mm²
2 = 1,5-2,5mm²
6 = 4,0-6,0mm²

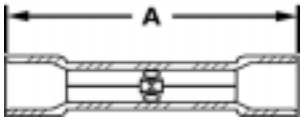
Special Configuration
B = Butted Seam
X = Expanded Insulation

Package Quantity
X = 10
E = 20
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

BUTT SPLICES

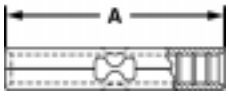
Vinyl Insulated

- Expanded Insulation
- Insulation Support
- Internal Wire Stops



Non-Insulated

- Brazed Seam
- Internal Wire Stops



Part Number	Wire Range (mm²)	Color Code	Max. Ins.	Dim. (mm) A	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
BSMV1BX-C	0,5-1,0	Red	4,44	26,7	100	500	1000	6000
BSMV2BX-C	1,5-2,5	Blue	5,08	26,7	100	500	1000	6000
BSMV6X-L	4,0-6,0	Yellow	6,35	32,5	50	250	500	3000
BSM1-C	0,5-1,0	—	—	15,7	100	500	1000	10,000
BSM2-C	1,5-2,5	—	—	15,7	100	500	1000	10,000
BSM6-L	4,0-6,0	—	—	18,0	50	250	500	5000

Order the number of pieces required in multiples of standard package quantities.
L = 50 pcs., C = 100 pcs., D = 500 pcs., and M = 1000 pcs.

WIRE JOINTS

Nylon Insulated

Part Number	Min./Max. Wire Range	Color Code	CMA Range Min.	CMA Range Max.	Dim. (mm) A	Std. Pkg. Qty.	Std. Ctn. Qty.	Bulk Pkg. Qty.	Bulk Ctn. Qty.
JMN2-C	0,5-2,5	Clear	1284	5160	19,9	100	500	1000	6000
JMN6-C	0,75-6,0	Clear	6480	14750	23,9	100	500	1000	6000

Order the number of pieces required in multiples of standard package quantities.
C = 100 pcs., and M = 1000 pcs.

Plastic Terminal Kits

- Ideal for Maintenance and Construction Wiring
- Rugged Plastic Construction

KP-1075

KP-1165

Steel Terminal Kits

- Steel Terminal Kit Boxes fit into the 2, 4, or 6 Drawer Slide Racks. ***See Page 42***

K-1102

Part Number	Description	Std. Pkg. Qty.
KP-1075	Terminal kit without crimping tool. Insulated rings, forks, splices, disconnects, wire joints. Kit has hanging tab for easy storage. Includes the following: (20) Each: PV18-8R, PV18-6F, PV14-8F, PV14-10R (10) Each: PV10-8R, PV10-10R, DNF14-250, DNF18-250 (10) Each: BSV18X, BSV14X, BSV10X (5) Each: JN418-212	**1**
KP-1000	Empty Plastic Box • Positive latch prevents accidental opening • Once top is closed, terminals remain in their compartments • Lightweight, portable • Measures 11" (279.4) wide x 6 3/4" (171.5) deep x 1 3/4" (44.5) high.	1
KP-1165	Includes the following: (18) Each: PV18-8R, PV14-10R, P18-6F, P14-8F (10) Each: PV10-8R, PV10-10R, BSV18X, BSV14X (10) Each: BSV10X, DV18-250B, DV14-188B (5) Each: JN418-212 (1) Each: CT-160 Tool, KP-1000 Box	1
KP-1166	Includes the following: (18) Each: P18-8R, P14-10R, P18-6F, P14-8F (10) Each: P10-8R, P10-10R, BS18, BS14 (10) Each: BS10, D18-250, D14-188 (5) Each: JN218-216 (1) Each: CT-160 Tool, KP-1000 Box	1
K-1000	Empty Steel Box • Latch prevents accidental opening • Once lid is closed, terminals remain in their compartments • Handle for portability—or as drawer pull when used in rack • Drop-in label area on front • Measures 13 3/4" (349.3) wide x 9 3/4" (247.7) deep x 2 1/8" (54.0) high	1
K-1100	Steel Box and CT-100 Crimping Tool	1
K-1102	Includes the following: (100 Each): PV18-6LF, PV18-8LF, PV14-8LF, PV14-10LF, BSV18X, BSV14X (50) Each: PV10-10LF, BSV10X (1) Each: CT-100 Tool, K-1000 Box	1
K-1103	Includes the following: (100) Each: DV18-250B, DV14-250B, DV14-250MB, D18-250, D14-250 (50) Each: DV10-250, D10-250 (1) Each: CT-100 Tool, K-1000 Box	1
K-1104	Includes the following: (50) Each: PN18-10R, PN14-6R, PN14-10R, PN18-6F, PN14-6F, PN14-10F (25) Each: PN10-10R, PN10-56R, PN10-10F, BSN14, BSN10, JN418-212 (1) Each: CT-100 Tool, K-1000 Box	1

Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

Steel Terminal Kit Systems

Consists of steel boxes, storage slide racks and base, which can be combined for neat, organized storage of terminals.

- Rugged and durable steel construction
- Empty boxes, full kits, slide racks and base are purchased according to your application needs

Part Number	Description	Std. Pkg. Qty.
SR2	Two-Drawer Slide Rack • Each rack is designed to hold (2) K-1000 boxes (sold separately) which become pull-out drawers. • Box drops into place; slides stop, preventing box from accidentally coming out of rack. • Mounting holes on top and bottom for attaching to benches, under or on shelves, or on SRB base. • Measures 6.25" high by 15.25" wide by 11.75" deep.	1
SR4	Four-Drawer Slide Rack • Each rack is designed to hold (4) K-1000 boxes (sold separately) which become pull-out drawers. • Box drops into place; slides stop, preventing box from accidentally coming out of rack. • Mounting holes on top and bottom for attaching to benches, under or on shelves, or on SRB base. • Measures 11.25" high by 15.25" wide by 11.75" deep.	1
SR6	Six-Drawer Slide Rack • Each rack is designed to hold (6) K-1000 boxes (sold separately) which become pull-out drawers. • Box drops into place; slides stop, preventing box from accidentally coming out of rack. • Mounting holes on top and bottom for attaching to benches, under or on shelves, or on SRB base. • Measures 16.375" high by 15.25" wide by 11.75" deep.	1
SRB	Base • Accommodates SR2, SR4 and SR6 Slide racks. • Measures 15.125" high.	1

Base and slide racks are sold separately.
Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

Slide racks will accommodate the following PANDUIT kits:

K-1000	K1-PVKIT
K-1001	K2-PVKIT
K-1100	K-503
K-1102	K-504
K-1103	
K-1104	

Industrial Maintenance Kits

K1-PNKIT

K2-PVKIT

K-205

Part Number	Description	Std. Pkg. Qty.
K1-PNKIT	Contains Terminals, Cable Ties, Marking System, and Installation Tool: (1) K-1001 Steel Kit Box (1) CT-260 Installation Tool (1) PMD-0-9 Marking Dispenser & Tape (100) PLT2S Cable Ties (100) PN14-610R Multistud Terminals (100) PN18-610R Multistud Terminals (100) PN18-6LF Locking Fork Terminals (100) PN14-8LF Locking Fork Terminals (50) PN10-10LF Locking Fork Terminals (100) PN18-8F Fork Terminals (100) PN14-10R Ring Terminals (100) DNF18-250 Disconnects (100) DNF14-250 Disconnects (100) MP150 Marker Tags (50) DV10-250 Disconnects (50) BSN18 Butt Splices (50) BSN14 Butt Splices (50) PN10-10R Ring Terminals (25) BSN10 Butt Splices (1) PX-0 Marker	1
K2-PVKIT	Contains Terminals, Cable Ties, Marking System, and Installation Tool: (1) K-1001 Steel Kit Box (1) CT-260 Installation Tool (1) PMD-0-9 Marking Dispenser and Tape (100) DV18-250B Disconnects (100) PV18-6LF Locking Fork Terminals (100) PV18-8F Fork Terminals (100) PV14-10R Ring Terminals (100) PV14-8LF Locking Fork Terminals (100) DV14-250B Disconnects (50) PV10-10LF Locking Fork Terminals (100) PLT2S Cable Ties (50) DV10-250 Disconnects (50) BSV18X Butt Splices (50) BSV14X Butt Splices (50) PV10-10R Ring Terminals (30) P1 P-Conn Wing Style Connectors (30) P73 P-Conn Nut Style Connectors (25) BSV10X Butt Splices (20) P2 P-Conn Wing Style Connectors	1
K-1001	Empty Steel Kit Box	1
K-205*	Contains 300 Cable Ties, 600 Terminals and 2 Installation Tools: (1) K-200 Steel Kit Box (1) GS2B Cable Tie Installation Tool (1) CT-100 Crimping Tool (100) PV18-6LF-C Terminals (100) PV14-10LF-C Terminals (100) PV14-8LF-C Terminals (100) BSV18X-C Splices (100) BSV-14X-C Splices (100) PLT1M-C Cable Ties (100) PLT1.5IC Cable Ties (100) PLT2S-C Cable Ties (50) BSV10X-C Splices (50) PV10-10LF-C Terminals	1

*The K-205 does not fit into the SR2, SR4, or SR6.
Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

PAN-TERM® Crimping Tools

PANDUIT has a wide assortment of battery operated hydraulic, pneumatic, controlled cycle, and manual crimping tools which gives you quality connections at a lower installed cost.

For Technical Assistance, call: 888-506-5400, Ext. 2241

(outside the U.S., see current Worldwide Locations on our home page)

CT-600 PNEUMATIC CRIMPING TOOL SYSTEM

Quickly crimps a variety of loose piece terminals in a variety of wire sizes for medium volume production.

- Versatile—Interchangeable crimping heads let you switch terminal types quickly to meet changing production requirements. This tool, when used with only 4 crimp heads, can crimp a full range of #26 thru #10 AWG insulated and non-insulated terminal products.
- Portable—The small size, ease of bench mounting and quick pneumatic connection allow the tool to be moved from one work station to another or to the work itself.
- Uniform Crimping—Controlled-cycle action insures uniform tooling controlled crimps every time.

Part Number	Description	Pkg. Qty.
CT-600	Pneumatic tool, 6 ft. air hose and carrying case. Does not include crimping heads (ordered separately).	1
CT-500CH	Crimping head for most #22-14 insulated terminals, splices and disconnects.	1
CT-520CH	Crimping head for most #22-14 insulated butted seam disconnects and #26-22 insulated terminals.	1
CT-550CH	Crimping head for most #22-10 insulated terminals and splices.	1
CT-570CH	Crimping head for #22-10 non-insulated terminals, splices and disconnects.	1
PD-600	Positioning Device (for bench mounting of CT-600)	1
FPC-600	Foot Actuator Operating Air Pressure: 80-100 psi, .233 SCFM Type of Air: Lubricated. Recommend using Norgren (Brand) #FLR222-012-043008 filter, lubricator, regulator For high speed, high production crimping presses, see PANDUIT'S ***REEL SMART***™ Catalog, SA101N20C NOTE: For proper crimp head selection, see the Tool Selection Guide on ***Page 52 - Page 54***.	1

Order the number of pieces required in multiples of standard package quantities. 1 = 1 pc.
Reference crimping guidelines for ***PAN-TERM*** Terminals, Disconnects, and Splices on ***Page 50*** .

CT-2400 BATTERY OPERATED HYDRAULIC CRIMPING TOOL

CT-2400

Crimp Heads

Metal Carrying Case

Part Number	Description	Pkg. Qty.
CT-2400	A battery operated hydraulic crimping tool for the ultimate in ergonomics. • One finger crimp • Portable • Quick change heads for PANDUIT #26 to #10 AWG insulated and non-insulated terminals, disconnects, splices • Includes two rechargeable batteries, battery charger, shoulder strap and carrying case. Crimping heads sold separately. • Output: 2 metric tons (4409 lbs.)—Weight: 4.4 lbs. with CT-2400BC battery—Length: 12.5 inches—Height: 9.5 inches—Width: 2.5 inches	1
CT-2400TL	Tool only	1
CT-2400BC	Spare rechargeable battery	1
CT-2400CHR	Spare battery charger	1
CT-2455CH	Crimping head for most PANDUIT #22-#10 AWG nylon and vinyl insulated terminals and splices. Crimps specific PANDUIT #22-#10 AWG nylon and vinyl insulated disconnects.	1
CT-2457CH	Crimping head for most PANDUIT #22-#10 AWG non-insulated terminals and disconnects. Crimps specific PANDUIT #22-#10 AWG non-insulated splices.	1

Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

NOTE: For proper crimp head selection, see the Tool Selection Guide on ***Page 52 - Page 54***

CONTOUR CRIMP™ Terminal Crimping Tool Features

Ergonomically Designed to Dramatically Reduce Stress in Hand and Wrist

- Specifically Designed for the Installation of **PAN-TERM** Terminals, Disconnects and Splices
- Superior Crimp Performance
- Low Handle Effort - Increases Productivity
- Reliable - Backed by a Two Year Warranty

Take A Closer Look!

An Array of Special Features Helps **CONTOUR CRIMP** Tools Reduce the Force Needed to Make Terminal Crimps by Up to 50%

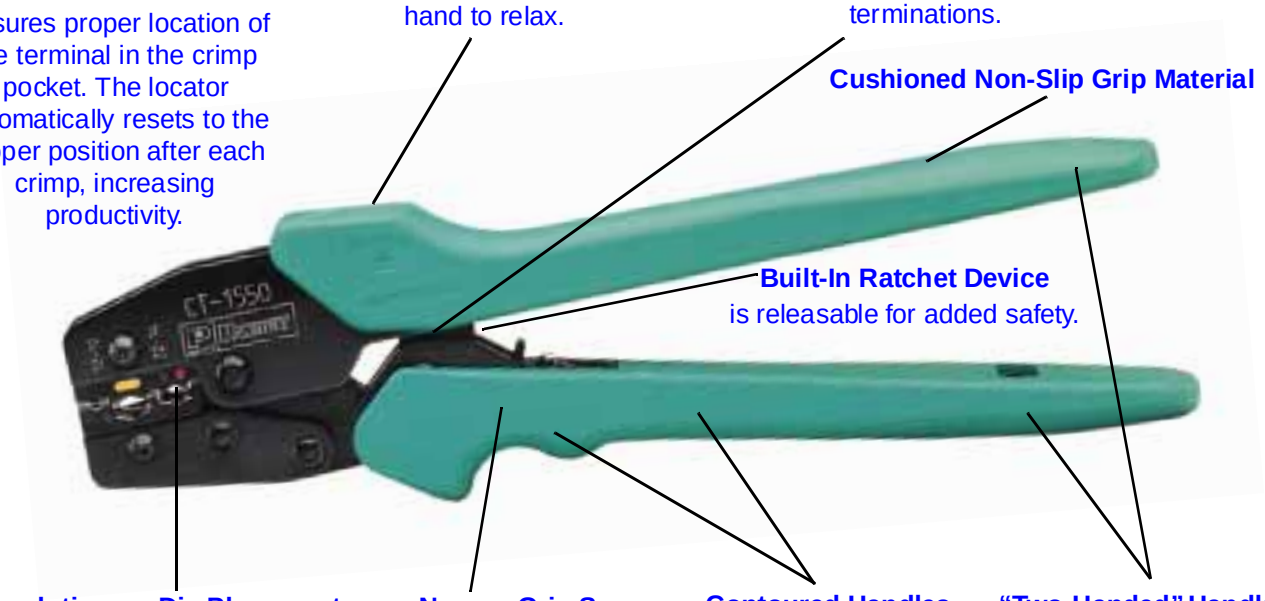
Superior Locator
ensures proper location of the terminal in the crimp pocket. The locator automatically resets to the proper position after each crimp, increasing productivity.

Superior Balance
facilitates ease of use and reduces stress by allowing the hand to relax.

Controlled Cycle Mechanism
ensures a complete crimp cycle every time, for high quality terminations.

Cushioned Non-Slip Grip Material

Built-In Ratchet Device
is releasable for added safety.



Revolutionary Die Placement
allows you to select a tool with the lowest possible handle effort for the wire range you use most.

Narrow Grip Span
accommodates smaller hands, reduces operator complaints and fatigue.

Contoured Handles
and finger grips

"Two-Handed" Handle Design
comfortably facilitates two-handed crimping.

The Bottom Line:

These ergonomically engineered crimping tools promote operator comfort and safety which lead to greater productivity. And this means an improved bottom line to you.

CONTOUR CRIMP™ CONTROLLED-CYCLE TOOLS

CT-1550

CT-1551

CT-1570

CT-1014

CT-1015

CT-300-1

HEAVY DUTY CRIMPING TOOL

CT-720

(Shown with Controlled Cycle Mechanism)

- Available with or without control cycle feature
- Develops 6 tons of crimping force
- Cushioned grips
- Fast die change-over uses single retention screw
- Color coded
- Embosses die index number on properly installed crimps (except CD-720PV8-2)

Part Number	Description	Pkg. Qty.
CT-1525	Crimps PANDUIT #26-#22 AWG insulated terminals and splices, #22-#10 AWG fully insulated disconnects, and insulated parallel splices. Crimps specific PANDUIT #22-#14 AWG barrel insulated disconnects.	1
CT-1550	Crimps most PANDUIT #22-#10 AWG nylon and vinyl insulated terminals and splices. Crimps specific PANDUIT #22-#10 AWG nylon and vinyl insulated disconnects. The CT-1550 has the red/blue pocket closest to the pivot which provides a reduced crimp effort advantage for those who make mostly red/blue terminations.	1
CT-1551	Crimps most PANDUIT #22-#10 AWG nylon and vinyl insulated terminals and splices. Crimps specific PANDUIT #22-#10 AWG nylon and vinyl insulated disconnects. The CT-1551 has the yellow pocket closest to the pivot which provides a reduced crimp effort advantage for those who make mostly yellow terminations.	1
CT-1551M	Crimps most PANDUIT 0,5-6,0 mm nylon and vinyl insulated terminals and splices. Crimps specific PANDUIT 0,5-6,0 mm nylon and vinyl insulated disconnects.	1
CT-1570	Crimps most PANDUIT #22-#10 AWG and 0,5-6,0 mm non-insulated terminals and disconnects. Crimps specific PANDUIT #22-#10 AWG and 0,5-6,0 mm non-insulated splices.	1
	SPECIALTY *CONTOUR CRIMP* TOOLS	
CT-1700	Crimps PANDUIT #8-#2 AWG non-insulated tubular terminals *(S series)*. Includes 5 position rotating die.	1
CT-1701	Crimps PANDUIT #10-#2 AWG non-insulated large gauge ring terminal *(P series)*. Includes 5 position rotating die.	1
CT-1014	Crimps PANDUIT #22-#14 AWG loose piece ***DISCO-LOK***™ disconnects.	1
CT-1015	Crimps PANDUIT #22-#14 AWG loose piece ***SUPRA-GRIP***™ disconnects.	1
	SPECIALTY CRIMPING TOOLS	
CT-300-1	Crimps PANDUIT #22-#14 AWG fully insulated right angle disconnects. (DNFR-FIB Series)	1
CT-310	Crimps PANDUIT #22-#10 AWG heat shrink insulated terminals, disconnects and splices.	1
CT-720	For installing #8 AWG thru 500 MCM copper (#6 AWG thru 350 MCM aluminum) compression connectors and #8 thru #2 AWG vinyl insulated PANDUIT terminals. Has seven interchangeable dies which are ordered separately.	1
CT-720-7	Basic Tool Kit with 7 dies. Includes: • 7 dies (CD-720-1 thru -7) for installing #8 AWG thru 500 MCM copper compression connectors • Carrying/Storage Case (C-720)	1
CT-720-7CC	Controlled Cycle Tool Kit with 7 dies. Controlled cycle mechanism factory installed on crimp tool.	1
CT-720-3	Basic Tool Kit with 3 dies. Includes: • 3 dies (CD-720-1 thru -3) for installing #8 AWG thru 250 MCM copper compression connectors • Carrying/Storage Case (C-720)	1
CT-720-3CC	Controlled Cycle Tool Kit with 3 dies. Controlled cycle mechanism factory installed on crimp tool.	1
C-720	Carrying Case • Carrying/Storage Case	1
CC-720	Optional Control-Cycle Mechanism only	1

Dies for CT-720	Used to install PANDUIT compression connector sizes: Copper	Aluminum	Pkg. Qty.
CD-720-1	#8-#2 AWG	#6 AWG	1
CD-720-2	#1-#3/0 AWG	#4-#1/0 AWG	1
CD-720-3	#4/0-250 MCM	#2/0-#3/0 AWG	1
CD-720-4	300 MCM	#4/0 AWG	1
CD-720-5	350 MCM	250 MCM	1
CD-720-6	400 MCM	300 MCM	1
CD-720-7	500 MCM	350 MCM	1
CD-720PV8-2	#8-#2 Vinyl Insulated ***PAN-TERM*** Terminals		1

Order the number of pieces required in multiples of standard package quantities. 1 = 1 pc.
Reference crimping guidelines for ***PAN-TERM*** Terminals, Disconnects, and Splices on *Page 50*.

CONTROLLED CYCLE CRIMPING TOOL

CT-700

- Crimp mechanism assures a full crimp cycle for reliable connections
- Compact, lightweight—yet durable and reliable

SPECIALTY CONTROLLED-CYCLE CRIMPING TOOLS

CT-400 and CT-460

Military Specialty Tools

Helps Meet Military and Nuclear Test Requirements

- In-line crimp action—for greater dielectric strength with uniform insulation compression
- Calibration—recalibration is possible for maintaining exact crimp dimensions

HAND OPERATED PLIER TYPE TOOL

CT-100 Crimping Tool

- General Purpose
- Rugged
- Economical
- Versatile

CT-160 Crimping Tool

CT-200 Crimping Tool

CT-260 Crimping Tool

Part Number	Description	Pkg. Qty.
CT-700	For installing PANDUIT #8-#1/0 AWG copper (#6-#2 AWG aluminum) compression connectors and PANDUIT #8-#2 AWG non-insulated terminals. Has three interchangeable dies which are ordered separately.	1
Dies for CT-700	Used to install PANDUIT compression connector sizes:	
CD-700-8-2	Copper: #8-#2 AWG; Aluminum: #6 AWG	1
CD-700-1-1/0	Copper: #1-#1/0 AWG; Aluminum: #4-#2 AWG	1
CD-700P-8-2	#8-#2 Non-insulated ***PAN-TERM*** terminals	1
CT-400	Crimps #22-#14 PANDUIT insulated terminals, disconnects and splices. Comes complete with carrying/storage case which includes tools for calibration. Has adjustable pre-load and emergency ratchet. Helps meet military and nuclear requirements.	1
CT-460	Crimps #16-#10 PANDUIT insulated terminals, disconnects and splices. Has same features as CT-400 above.	1
CT-100	Crimps most PANDUIT #26-#10 AWG insulated and non-insulated terminals, disconnects and splices. Cuts #4, #6, #8 and #10 screw sizes. Cuts and strips wire. Excellent all-around application tool of heat treated, finished steel with comfortable cushioned plastic grip handles.	1
CT-160	Crimps most PANDUIT #26-#10 AWG insulated and non-insulated terminals, disconnects and splices. Cuts 3 U.S. and 3 Metric screw sizes. Cuts and strips wire. Has insulation closure pocket.	1
CT-200	Forged Steel Tool. Crimps most PANDUIT #26-#10 AWG non-insulated terminals, disconnects and splices. Cuts wire.	1
CT-260	Forged Steel Tool. Crimps most PANDUIT #26-#10 AWG insulated and non-insulated terminals, disconnects and splices. Cuts wire.	1

Order the number of pieces required in multiples of standard package quantities. 1 = 1 pc.

Reference crimping guidelines for ***PAN-TERM*** Terminals, Disconnects, and Splices on ***Page 50*** .

NOTE: Refer to Tool Selection Chart for specific crimp tool selection ***Page 52 - Page 54***.

CONTROLLED-CYCLE, HYDRAULIC TOOLS

CT-901HP

Part Number	Description	Pkg. Qty.
CT-920	12-ton tool. Installs #8 thru 250 MCM tubular terminals, #8 thru 750 MCM lugs (thru 400 MCM splices)	1
CT-920CH	12-ton crimp head (Used with CT-901HP pump)	1
CT-930	14-ton tool. Installs #8 thru 250 MCM tubular terminals, #8 thru 750 MCM lugs and splices	1
CT-930CH	14-ton crimp head (Used with CT-901HP pump)	1
CT-980	6.2 ton dieless tool. Installs #4 thru 250 MCM tubular terminals, #4 thru 750 MCM lugs and splices, #6 thru 500 MCM aluminum lugs and splices	1
CT-980CH	6.2 ton dieless crimp head (Used with CT-901HP pump)	1
CT-901HP	10,000 PSI hydraulic pump	1
CT-900HPH	10 ft. Hose for hydraulic pump	1
CG-920	Compression gauge for hydraulic pump	1
CT-900-BPC	Field replaceable bi-pass cartridge for CT-920 and CT-930	1

Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

NOTE: Refer to ***PAN-TERM*** Tubular Ring Terminal Installation Tool and Die selection guide ***Page 13***.

CT-920CH

CT-980CH

CT-930CH

CT-930

CT-920

CT-980

Dies for CT-920, CT-920CH, CT-2920, CT-930 and CT-930CH Tools

- Color coded 2-piece die sets
- Circular crimp configuration
- Embosses die index number on properly installed crimps
- Interchangeable on CT-920, CT-930, CT-920CH, and CT-930CH

Part Number	Dies used to install Panduit tubular terminals and compression connector sizes:				Std. Pkg. Qty.
	Copper		Aluminum		
	Conductor Size	Die Color & No.	Conductor Size	Die Color & No.	
CD-920-8	#8 AWG	Red 21	—	—	1
CD-920-6	#6 AWG	Blue 24	—	—	1
CD-920-4	#4 AWG	Gray 29	#6 AWG	Gray 29	1
CD-920-2	#2 AWG	Brown 33	—	—	1
CD-920-1	#1 AWG	Green 37	#4 AWG	Green 37	1
CD-920-1/0	#1/0 AWG	Pink 42	#2 AWG	Pink 42	1
CD-920-2/0	#2/0 AWG	Black 45	#1 AWG	—	1
CD-920-3/0	#3/0 AWG	Orange 50	#1/0 AWG	Tan 50	1
CD-920-4/0	#4/0 AWG	Purple 54	#2/0 AWG	Olive 54	1
CD-920-250	250 MCM	Yellow 62	#3/0 AWG	Ruby 60	1

For Crimp Dies above 250 MCM, see Panduit's POWER CONNECTOR Catalog, SA101N15C-NL

Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

NOTE: Refer to ***PAN-TERM*** Tubular Ring Terminal Installation Tool and Die selection guide ***Page 13***.

TUBULAR RING TERMINAL INSTALLATION TOOLS

Battery Operated, Hydraulic Tools

Part Number	Description	Pkg. Qty.
CT-2001	Crimps #8 AWG-250 MCM tubular terminals, #8 AWG-500 MCM copper lugs and splices, #6 AWG-300 MCM aluminum lugs and splices, copper C-TAPS to #2 AWG and aluminum H-TAPS to #4/0 AWG. Uses CD-2001 Dies.	1
CT-2901	Crimps with CT-920CH, CT-930CH, CT-940CH and CT-980CH Remote Crimping Heads* (see Page 48)	1
CT-2920	Crimps #8 AWG-250 MCM tubular terminals, #8 AWG-750 MCM copper lugs (400 MCM copper splices) and #6 AWG-600 MCM aluminum lugs (400 MCM aluminum splices), copper C-TAPS to #4/0 AWG and aluminum H-TAPS to 500 MCM. Uses CD-920 Dies.	1
CT-2950 *UNI-DIE*™ Dieless	Crimps #4 AWG-250 MCM tubular terminals, #4 AWG-500 MCM copper lugs and #6 AWG-300 MCM aluminum lugs.	1
CT-2980 *UNI-DIE* Dieless	Crimps #4 AWG-250 MCM tubular terminals, #4 AWG-750 MCM copper lugs (250 MCM copper splices) and #6 AWG-500 MCM aluminum lugs (2/0 MCM aluminum splices).	1

Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.
*Purchased separately.

CT-2001

CT-2901

CT-2920

UNI-DIE™ CT-2950 & CT-2980 Dieless Tools

CT-2950

CT-2980

Dies for CT-2001 Tool

Part Number	Description	Used to Install PANDUIT Tubular Terminal Sizes: Copper	Used to Install PANDUIT Tubular Terminal Sizes: Aluminum	Die Index Number and Color (Copper)	Die Index Number and Color (Aluminum)	Std. Pkg. Qty.
CD-2001-8	Compression Dies For CT-2001 Tool	#8 AWG	—	Red 21	Red 21	1
CD-2001-6		#6 AWG	—	Blue 24	Blue 24	1
CD-2001-4		#4 AWG	#6 AWG	Gray 29	Gray 29	1
CD-2001-2		#2 AWG	—	Brown 33	Brown 33	1
CD-2001-1		#1 AWG	#4 AWG	Green 37	Green 37	1
CD-2001-1/0		#1/0 AWG	#2 AWG	Pink 42	Pink 42	1
CD-2001-2/0		#2/0 AWG	#1 AWG	Black 45	Gold 45	1
CD-2001-3/0		#3/0 AWG	#1/0 AWG HTAP2-8	Orange 50	Tan 50	1
CD-2001-4/0		#4/0 AWG	#2/0 AWG	Purple 54	Olive 54	1
CD-2001-250		250 MCM	#3/0 AWG	Yellow 62	Ruby 62	1

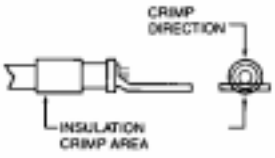
For Crimp Dies above 250 MCM, see Panduit's POWER CONNECTOR Catalog, SA101N15C-NL

Order the number of pieces required in multiples of standard package quantities.
1 = 1 pc.

Dies for CT-2920 Tool

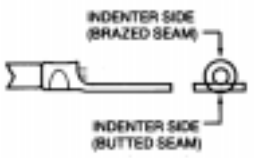
For complete selection, see Page 48.

Crimping Guidelines for *PAN-TERM* Terminals and Disconnects



Insulated Terminals and Disconnects

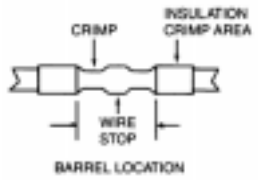
1. Locate terminal in proper size crimp die with edge of die 1/16" from the tongue end of the insulation sleeve *(See Note 1 below)*. Insure that crimp is perpendicular to the plane of the terminal tongue, as shown.
2. Insert properly stripped wire into terminal until a minimum of 1/32" of conductor extends beyond the terminal barrel.
3. Squeeze tool handles firmly *(See Note 2 below).*
4. Provide second crimp in the insulation crimp area to close the insulation *(See Note 3 below).*



Non-Insulated Terminals and Disconnects

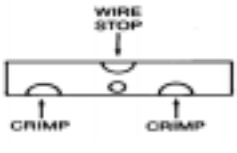
1. Locate terminal in proper crimp die with indenter centered on brazed barrel seam (for short locking forks, locate indenter opposite butted barrel seam). Insure that crimp is perpendicular to the plane of the terminal tongue, as shown *(See Note 1 below).*
2. Insert properly stripped wire into terminal until a minimum of 1/32" of conductor extends beyond the terminal barrel.
3. Squeeze tool handles firmly *(See Note 2 below).*

Crimping Guidelines for *PAN-TERM* Splices



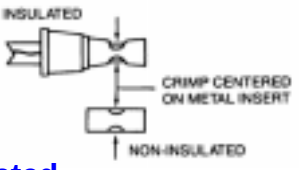
Insulated Butt Splices

1. Locate butt splice in proper size crimp die and position crimp pocket halfway between the wire stop (center of splice) and the wire stop end of the insulation crimp area, as shown *(See Note 4 below).*
2. Insert properly stripped wire into one end of butt splice.
3. Squeeze tool handles firmly *(See Note 2 below).*
4. Provide second crimp in the insulation crimp area to close the insulation *(See Note 3 below).*
5. Repeat steps 1–4 for opposite end of butt splice.



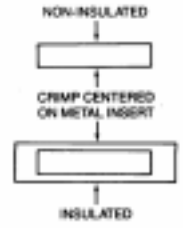
Non-Insulated Butt Splices

1. Locate butt splice in proper size crimp die and position crimp pocket halfway between the wire stop and the butt splice end, as shown.
2. Insert properly stripped wire into one end of the butt splice.
3. Squeeze tool handles firmly. *(See Note 2 below).*
4. Repeat 1–3 for opposite end of butt splice.



Insulated and Non-Insulated Wire Joints

1. Properly strip wires, twist stripped wire ends together, and insert wires into wire joint.
2. Locate wire joint in proper crimp die and position crimp pocket in the center of the metal insert.
3. Squeeze tool handles firmly (*See Note 2 below*).



Insulated and Non-Insulated Parallel Splices

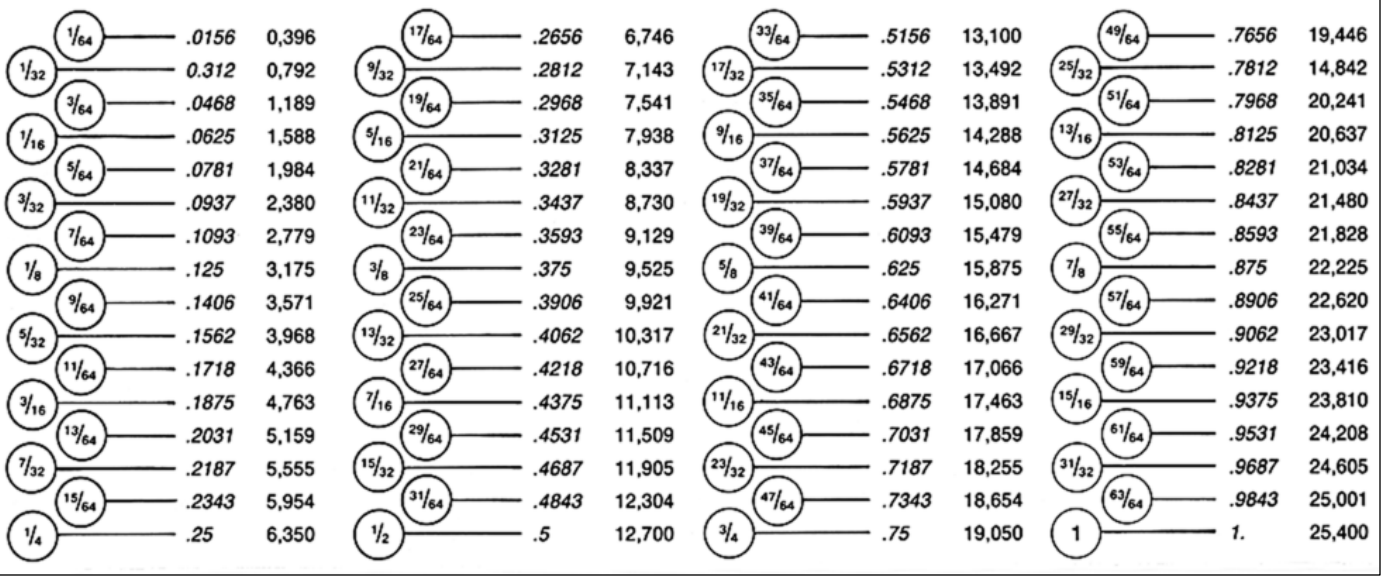
1. Locate parallel splice in proper crimp die and position crimp pocket on the center of the metal insert.
2. Insert properly stripped wires into opposite ends of the splice so that the stripped portions of the wire overlap inside the metal insert.
3. Squeeze tool handles firmly *(See Note 2 below).*

NOTES for Crimping with Hand Operated Controlled Cycle Crimping Tools:

1. PANDUIT controlled cycle crimping tools properly locate rings, forks, barrel insulated and non-insulated disconnects, pins, and blades. No further positioning is required.
2. Once a crimp has been started, the ratchet device of controlled cycle tools will not release until the crimp is complete, independent of operator expertise.
3. Controlled cycle tools provide the electrical crimp and the insulation closure in a single cycle of the tool.
4. When using controlled cycle tooling, insulated butt splices must be inserted from the back of the tool to ensure that the electrical and insulation closure crimp pockets are properly aligned with the splice.

Equivalent Tables

Decimal/inches/mm



Stud Sizes

Standard Stud Size U.S. (metric)		Stud Diameter in. (mm)	Terminal Hole Dia. in. (mm)	PAN-TERM Stud Size Part No. Designation
	#2 M2	.086 (2,18)	.090 (2,29)	2
	#4 (M2,5)	.112 (2,84)	.118 (3,00)	4
	#5 (M3)	.125 (3,18)	.127 (3,23)	5
	#6 (M3,5)	.138 (3,51)	.146 (3,71)	6
	#8 (M4)	.164 (4,17)	.173 (4,39)	8
	#10 (M5)	.190 (4,83)	.204 (5,18)	10
	1/4" (M6)	.250 (6,35)	.270 (6,86)	14
	5/16" (M8)	.312 (7,92)	.343 (8,71)	56

Standard Stud Size U.S. (metric)		Stud Diameter in. (mm)	Terminal Hole Dia. in. (mm)	PAN-TERM Stud Size Part No. Designation
	3/8" (M10)	.375 (9,53)	.385 (9,78)	38
	1/2" (M12)	.500 (12,7)	.531 (13,49)	12
	5/8" (M16)	.625 (15,88)	.656 (16,66)	58
	3/4" (M18)	.750 (19,05)	.810 (20,57)	34

Common Conductor Size Chart (Stranded Wire)

Size	No. of Strands	Individual Strand Size Inches (mm)	Conductor Size Inches (mm)	Conductor Size Circl. Mil Area (mm²)
22 AWG	7	.0096 (0,24)	.029 (0,74)	640 (0,324)
20 AWG	10	.0100 (0,25)	.038 (0,97)	1020 (0,519)
18 AWG	16	.0100 (0,25)	.048 (1,22)	1620 (0,823)
16 AWG	26	.0100 (0,25)	.060 (1,52)	2580 (1,310)
14 AWG	7	.0242 (0,61)	.073 (1,85)	4110 (2,080)
12 AWG	7	.0305 (0,77)	.092 (2,34)	6530 (3,310)
10 AWG	7	.0385 (0,98)	.116 (2,95)	10,380 (5,261)
8 AWG	7	.0486 (1,23)	.146 (3,71)	16,510 (8,367)
6 AWG	7	.0612 (1,55)	.184 (4,67)	26,240 (13,30)
4 AWG	7	.0772 (1,96)	.232 (5,89)	41,740 (21,15)
2 AWG	7	.0974 (2,47)	.292 (7,42)	66,360 (33,62)
1 AWG	19	.0664 (1,69)	.332 (8,43)	83,690 (42,41)
1/0 AWG	19	.0745 (1,89)	.373 (9,47)	105,600 (53,49)

Size	No. of Strands	Individual Strand Size Inches (mm)	Conductor Size Inches (mm)	Conductor Size Circl. Mil Area (mm²)
2/0 AWG	19	.0837 (2,13)	.418 (10,62)	133,100 (67,43)
3/0 AWG	19	.0940 (2,39)	.470 (11,94)	167,800 (85,01)
4/0 AWG	19	.1055 (2,68)	.528 (13,41)	211,600 (107,2)
250 MCM	37	.0822 (2,09)	.575 (14,61)	250,000 (127)
300 MCM	37	.0900 (2,29)	.630 (16,00)	300,000 (152)
350 MCM	37	.0973 (2,47)	.681 (17,29)	350,000 (177)
400 MCM	37	.1040 (2,64)	.728 (18,49)	400,000 (203)
500 MCM	37	.1162 (2,95)	.813 (20,65)	500,000 (253)
600 MCM	61	.0992 (2,52)	.893 (22,68)	600,000 (304)
750 MCM	61	.1109 (2,82)	.998 (25,35)	750,000 (380)
800 MCM	61	.1145 (2,91)	1.031 (26,19)	800,000 (405)
1000 MCM	61	.1280 (3,25)	1.152 (29,26)	1,000,000 (507)

PANDUIT STRIP LENGTH & TOOL SELECTION GUIDE

This Selection Guide is to be used for reference only. See product package or contact factory for UL/CSA approved tooling/product combinations.

Panduit Terminal Series	Terminal Description	Wire Range	Expanded Wire Range	Wire Strip Length	Plier Tools				Controlled Cycle Hand Tools															Pneumatic CT-600 Crimp Heads				CT-2400 Crimp Heads		Mechanical	
		Standard Wire Range (AWG)	(With Controlled Cycle Tool Only)	(+1/32,-0) (IN.)	CT-100	CT-160	CT-200	CT-260	CT-3001	CT-3110	CT-4001	CT-4601	CT-5001	CT-5101	CT-5201	CT-5501	CT-5701	CT-11525	CT-11550	CT-11551	CT-11570	CT-11014	CT-11015	CT-500CH	CT-520CH	CT-550CH	CT-570CH	CT-2455 CH	CT-2457 CH	CT-700	CT-720
BS	Non-Insulated Butt Splices	26-22 22-18 16-14 12-10	— 22-16 18-14 14-10	1/4 9/32 9/32 9/32	X X X X	X X X X	 X X X	 X X X									X X X				X X X						X X X		X X X			
BSN	Nylon Insulated Butt Splices	26-22 22-18 16-14 — 12-10	— — 18-14 14-10 —	1/4 7/32 7/32 9/32 9/32	X X X X	 X X	 	 X X X			X X	 X X X	X X		X		X X X	X		X X X X	X X X X				X X	X	 X X		X X X			
BSV	Vinyl Insulated Butt Splices	22-18 16-14 — 12-10	22-16 18-14 14-10 —	5/16 5/16 5/16 5/16	X X X	X X X	 	X X X			X X	 X X X	X X			X X X X			X X X	X X X				X X		X X X X		X X X			
D **DR**	Non-Insulated Sleeved Barrel Disconnects (Includes Right Angle Disc)	22-18 16-14 12-10		9/32 9/32 9/32	X X X	X X X	X X X	X X X									X X X				X X X					X X X		X X X			
D-B	Non-Insulated Butted Seam Female Disconnects	22-18 16-14		9/32 9/32	X X		X																									
DR-B **D-MB**	Non-Insulated Right Angle Female Disc. & Non-Insulated Male Butted Seam Disc.	22-18 16-14		9/32 9/32	X X		X X																									
D-M	Non-Insulated Male Blade Adapters	22-18 16-14		9/32 9/32	X X	X X	X X	X X									X X										X X					
D-M	Non-Insulated Male Disc.	12-10		9/32	X		X	X									X										X					
DNF	Nylon Funnel Entry, Barrel Insulated Disc.(not .110/.111)	22-18 16-14		9/32 9/32		X X		X X			X X	X	X X			X			X	X				X X		X		X				
DNF-110 **DNF-111**	Nylon, Funnel Entry Barrel Insulated Disconnect .110/.111 Tab Size	22-18 16-14		7/32 9/32	X	 X							X		X			X							X							
DNF-FI	Nylon, Fully Ins. Disc.	12-10		3/8	X	X		X				X				X			X	X						X		X				
DPF-FI	Premium Nylon, Fully Ins. Disc.	12-10		3/8	X	X		X				X				X			X	X						X		X				
DNF-FIB **DNF-FIM** **DNF-FIMB** **DPF-FIB** **DPF-FIM** **DPF-FIMB** **DNF-LPB** **DPF-LPB**	Nylon & Premium Grade Nylon, Fully Insulated, Funnel Entry, Male/Female Couplers (not .110/.111)	22-18 16-14		9/32 9/32	X X										X X			X X							X X							
DNF-FIB **DPF-FIB**	Nylon & Premium Grade Nylon, Fully Insulated, Funnel Entry, Disc—.110/.111 Tab Size	22-18		7/32	X										X			X							X							
DNF-FIBX	Nylon, Expanded Wire Entry Fully Insulated	22-18 16-14		9/32 9/32	X X																											
DNG-FL	Disco-Lok Nylon, Fully Insulated Disconnect	22-18 16-14		1/4 1/4																		X X										

X = DENOTES TOOL IS PANDUIT APPROVED TO CRIMP SPECIFIED PRODUCTS.

PANDUIT STRIP LENGTH & TOOL SELECTION GUIDE

This Selection Guide is to be used for reference only. See product package or contact factory for UL/CSA approved tooling/product combinations.

Panduit Terminal Series	Terminal Description	Wire Range	Expanded Wire Range	Wire Strip Length	Plier Tools				Controlled Cycle Hand Tools																Pneumatic CT-600 Crimp Heads				Battery Operated Hydraulic CT-2400 Crimp Heads		Mechanical	
		Standard Wire Range (AWG)	(With Controlled Cycle Tool Only)	(+1/32,-0) (in.)	CT-1100	CT-1160	CT-2200	CT-2260	CT-3000-1	CT-3110	CT-4400	CT-4460	CT-5000	CT-5100	CT-5220	CT-5550	CT-5570	CT-15225	CT-15550	CT-15551	CT-15570	CT-10114	CT-10115	CT-500CH	CT-520CH	CT-550CH	CT-570CH	CT-2455 CH	CT-2457 CH	CT-700	CT-720
DNG-FB	Supra Grip Nylon, Fully Insulated Disconnect	22-18 16-14		1/4 1/4																		X X									
DNF-M	Nylon Insulated, Funnel Entry, Barrel Insulated, Male Disconnects	22-18 16-14 12-10		9/32 9/32 9/32	X X	X X		X X X				X	X X			X X X			X X X	X X X				X X		X X X		X X X			
DNFR-FIB	Nylon Butted Seam, Right Angle Disconnects	22-18 16-14		9/32 9/32					X X																						
DNFR-B	Nylon Pre-insulated, Right Angle Disconnects	22-18 16-14		9/32 9/32	X X										X X			X X													
DV-B	Vinyl Insulated, Butted Seam Disconnects	22-18 16-14		1/4 1/4	X X										X X			X X							X X						
DV	Vinyl Barrel Ins. Sleeved Disc.	12-10		9/32	X											X			X	X						X		X			
DV-M	Vinyl Insulated, Male Blade Adapters	22-18 16-14		9/32 9/32	X X	X X		X X			X X	X	X X			X X			X X	X X				X X		X X		X X			
DV-MB	Vinyl Insulated, Butted Seam Male Disconnects	22-18 16-14		9/32 9/32	X X	X X		X X			X X	X	X X			X X			X X	X X				X X		X X		X X			
DV-M	Vinyl Insulated Male Disc.	12-10		9/32	X			X								X										X					
DV-P	Vinyl Insulated Piggyback Disconnects	22-18 16-14		1/4 1/4	X X	X X		X X					X X			X X			X X	X X				X X		X X		X X			
J	Non-Insulated Wire Joints J214-312 J318-412 J216-410	14-12 18-12 16-10		1/2 1/2 3/4	X X		X X X																									
JN	Nylon Insulated Wire Joints JN224-318 JN218-216 JN418-212 JN314-412	24-18 18-16 18-12 14-12		7/16 7/16 1/2 5/8	X X X	X X X X		X			X X	X	X X			X X X			X X X	X X X				X X		X X X		X X X			
P-R **P-F** **P-LF** **P-SLF** **P-FF**	Non-Insulated Rings, Forks, Locking Forks, Short Locking Forks, Flanged Forks	26-22 22-18 16-14 12-10	22-16 18-14 14-10	3/16 9/32 9/32 9/32	X X X X	X X X	X X X X	X X X X									X X X				X X X					X X X		X X X			
P-RHT6	High Temperature Rings	22-18 16-14 12-10	22-16 18-14 14-10	9/32 9/32 9/32	X X X	X X X	X X X	X X X									X X X				X X X					X X X		X X X			
P-HDR	Non-Ins. Heavy Duty Rings	16-12		9/32	X		X	X									X				X						X		X			
P-P	Non-Insulated, Pin Terminals	22-18 16-14 12-10		9/32 9/32 9/32	X X X	X X X	X X X	X X X									X X X				X X X					X X X		X X X			
P-R	Non-Insulated Large Ring Terminals	8 6 4 2		3/8 7/16 1/2 1/2																						USE DIE CD-700P-8-2 { X X X X				

X = DENOTES TOOL IS PANDUIT APPROVED TO CRIMP SPECIFIED PRODUCTS.

PANDUIT STRIP LENGTH & TOOL SELECTION GUIDE

This Selection Guide is to be used for reference only. See product package or contact factory for UL/CSA approved tooling/product combinations.

Panduit Terminal Series	Terminal Description	Wire Range	Expanded Wire Range	Wire Strip Length	Plier Tools				Controlled Cycle Hand Tools														Pneumatic CT-600 Crimp Heads				CT-2400 Crimp Heads		Mechanical	
		Standard Wire Range (AWG)	(With Controlled Cycle Tool Only)	(+1/32,-0) (in.)	CT-100	CT-160	CT-200	CT-260	CT-3001-1	CT-310	CT-400	CT-460	CT-500	CT-510	CT-520	CT-550	CT-570	CT-1525	CT-1550	CT-1551	CT-1570	CT-1014	CT-1015	CT-500CH	CT-520CH	CT-550CH	CT-570CH	CT-2455 CH	CT-2457 CH	CT-700	CT-720
PN-R PN-F PN-LF PN-FF PNF-R PNF-F PNF-LF	Nylon and Nylon Funnel Entry Forks Locking Forks Flanged Forks (includes Expanded Insulation)	26-22 22-18 16-14 — 12-10	— 22-16 18-14 14-10 —	3/16 7/32 732 9/32 9/32	X X X X						X X	 X X	X X		X	X X X X		X	X X X	X X X				X X		X X X X		X X X			
PK-R	KYNAR▲ Rings	22-18 16-14 12-10		7/32 7/32 9/32							X X	 X X	X X			X X X			X X X	X X X				X X		X X X		X X X			
PN-HDR PN-HDRX	Nylon Ins. Heavy Duty & Nylon Expanded Ins. Hvy. Duty Rings	16-12		9/32								X				X			X	X										
PN-RX	Nylon Insulated Rings (Expanded Insulation)	16-14 — 12-10	18-14 14-10 —	7/32 9/32 9/32	X X	X X										X X X			X X	X X						X X X		X X			
PN-SLF PNF-SLF	Nylon Insulated Short Locking Forks	22-18 16-14 12-10		7/32 7/32 9/32							X X	 X X	X X	X X		X X X			X X X	X X X						X X X		X X X			
PS	Non-Insulated Parallel Splice	22-18 20-16 14-12		5/16 5/16 7/16	X X X		X X X	X X X																							
PSN	Nylon Insulated Parallel Splice	22-18 20-16 14-12		5/16 5/16 7/16	X	X		X							X X	 X		X X X							X X		 X					
PV-R PV-F PV-FF PV-RX PV-FX	Vinyl Insulated Rings and Forks (Includes Expanded Insul.)	26-22 22-18 16-14 — 12-10	— 22-16 18-14 14-10 —	3/16 5/16 5/16 5/16 5/16	X X X X	X X X		X X X			X X	 X X	X X		X	X X X		X	X X X	X X X				X X		X X X		X X X			
PV-LF PV-LFX	Vinyl Insulated Locking Forks (Includes Expanded Insul.)	22-18 16-14 — 12-10	22-16 18-14 14-10 —	5/16 5/16 5/16 5/16	X X X	X X 	 X 	X 			X X	 X X X	X X			X X X X			X X X	X X X						 X X		 X			
PV-HDR PV-HDRX	Vinyl Ins. Heavy Duty Rings	16-12		5/16							X																				
PV-P	Vinyl Insulated Pin Terminals	22-18 16-14 12-10		9/32 9/32 9/32	X X X	X X X		X X X					X X			X X X			X X X	X X X				X X		X X X		X X X			
PV-SLF	Vinyl Insulated Short Locking Forks	22-18 16-14 12-10		5/16 5/16 5/16							X X	 X X		X X		X X X			X X X	X X X						X X X		X X X			
PV-R PV-RX	Vinyl Insulated Large Ring Terminals	8 6 4 2		3/8 7/16 1/2 1/2																								USE DIE CD-720PV8-2 { X X X X			
PH BSH	Heat Shrink Terminals and Splices	22-18 16-14 12-10		5/16 5/16 5/16						X X X																					
DNH	Heat Shrink Disconnects	22-18 16-14 12-10		9/32 9/32 3/8						X X X																					

▲KYNAR is a registered trademark of Elf Atochem North America

X = DENOTES TOOL IS PANDUIT APPROVED TO CRIMP SPECIFIED PRODUCTS.

PANDUIT METRIC TERMINALS STRIP LENGTH & TOOL SELECTION GUIDE

This Selection Guide is to be used for reference only.

Panduit Terminal Series	Terminal Description	Wire Range (mm^2)	Wire Strip Length (mm^2)	Controlled Cycle Hand Tools		
				CT-1551M	CT-1570	CT-1525
BSM	Non-Insulated, Butt Splices	0,5-1,0 1,5-2,5 4,0-6,0	7,1 7,1 7,1		X X X	
BSMV	Vinyl Insulated, Butt Splices	0,5-1,0 1,5-2,5 4,0-6,0	7,9 7,9 7,9	X X X		
DM	Non-Insulated, Female Disconnects (except DM1-28AB & DM1-28BB)	0,5-1,0 1,5-2,5 4,0-6,0	7,1 7,1 7,1		X X X	
DM-M	Non-Insulated Male Disconnects	0,5-1,0 1,5-2,5 4,0-6,0	7,1 7,1 7,1		X X X	
DMNF	Nylon, Barrel Insulated, Insulation Grip Sleeve, Female Disconnects (except 2,8 Tab Size)	0,5-1,0 1,5-2,5	7,1 7,1	X		X
DMNF1-26A **DMNF1-26B**	Nylon, Barrel Insulated, Insulation Grip Sleeve, Female Disconnects (2,8 Tab Size)	0,5-1,0	5,6			X
DMNF-FIB **DMNF-FIM**	Nylon, Fully Insulated, Funnel Entry, Male/Female Disconnects (2,8 Tab Size)	0,5-1,0 1,5-2,5	7,1 7,1			X X
DMNF1-26AFIB **DMNF1-26BFIB**	Nylon, Fully Insulated, Funnel Entry, Female Disconnects (2,8 Tab Size)	0,5-1,0	5,6			X
DMNF-F1	Nylon, Fully Insulated, Funnel Entry, Female Disconnects	4,0-6,0	9,5	X		
DMNF-M	Nylon, Barrel Insulated, Insulation Grip Sleeve, Male Disconnects	0,5-1,0 1,5-2,5 4,0-6,0	5,6 5,6 7,1	 X X		X
DMV	Vinyl Insulated Female Disconnects	2,5-6,0	7,1	X		
DMV-P	Vinyl Insulated Piggyback Disconnects	0,5-1,0 1,5-2,5	6,4 6,4	X X		
PM	Non-Insulated Ring, Fork, & Pin Terminals	0,5-1,0 1,5-2,5 4.0-6,0	7,1 7,1 7,1		X X X	
PMNF	Nylon Insulated, Insulation Grip Sleeve Ring & Fork Terminals	0,5-1,0 1,5-2,5 4,0-6,0	5,6 5,6 7,1	X X X		
PMV	Vinyl Insulated Ring, Fork, & Pin Terminals	0,5-1,0 1,5-2,5 4,0-6,0	7,9 7,9 7,9	X X X		
JMN2 **JMN8**	Nylon Insulated Wire Joints	0,5-2,5 0,75-6,0	12,7			X X

These installation tool recommendations are based on performance tests conducted using European, copper, metric wire as described in the table below.

PERFORMANCE TESTS

Wire Size (8q. mm)	Wire Type	# Strands
0,5	VDE–Hard (Untinned Stranded)	15
1,5	—	30
2,5	—	50
4,0	—	56
6,0	—	84

The dielectric withstand and wire pullout of the recommended terminal/tool combinations surpassed the minimum values shown in the IEC 352-2 & UL486 A&C test specifications.

Panduit Recommended Tubing Size for Common Wire Types

- Recommended Tubing Size for use with PANDUIT Terminals
- Recommended Part Number will cover both terminal and wire insulation

Part Number	Wire Range	Recommended Tubing Size
P22-Ring **P22-Fork** **BS22**	26-22	HSTT09-48Q
P18-Ring **P18-Fork** **BS18**	22-18	HSTT19-48-Q

Part Number	Wire Range	Recommended Tubing Size
P14-Ring **P14-Fork** **BS14**	16-14	HSTT19-48-Q
P10-Ring **P10-Fork** **BS10**	12-10	HSTT25-48-Q

B

BS10-L 30
BS14-C 30
BS18-C 30
BS22-C 30
BSH10-E 35
BSH14-Q 35
BSH18-Q 35
BSM1-C 40
BSM2-C 40
BSM6-L 40
BSMV1BX-C 40
BSMV2BX-C 40
BSMV6X-L 40
BSN10-L 30
BSN14-C 30
BSN18-C 30
BSN22-C 30
BSV10X-L 30
BSV14X-C 30
BSV18X-C 30

C

C-720 46
CC-720 46
CD-2001-1 49
CD-2001-1/0 49
CD-2001-2 49
CD-2001-2/0 49
CD-2001-250 49
CD-2001-3/0 49
CD-2001-4 49
CD-2001-4/0 49
CD-2001-6 49
CD-2001-8 49
CD-700-1-1/0 47
CD-700-8-2 47
CD-700P-8-2 47
CD-720-1 46
CD-720-2 46
CD-720-3 46
CD-720-4 46
CD-720-5 46
CD-720-6 46
CD-720-7 46
CD-720PV8-2 46
CD-920-1 48
CD-920-1/0 48
CD-920-2 48

CD...

CD-920-2/0 48
CD-920-250 48
CD-920-3/0 48
CD-920-4 48
CD-920-4/0 48
CD-920-6 48
CD-920-8 48
CG-920 48
CST101 34
CST115 34
CT-100 47
CT-1014 46
CT-1015 46
CT-1525 46
CT-1550 46
CT-1551 46
CT-1551M 46
CT-1570 46
CT-160 47
CT-1700 46
CT-1701 46
CT-200 47
CT-2001 49
CT-2400 44
CT-2400BC 44
CT-2400CHR 44
CT-2400TL 44
CT-2455CH 44
CT-2457CH 44
CT-260 47
CT-2901 49
CT-2920 49
CT-2950 49
CT-2980 49
CT-300-1 46
CT-310 46
CT-400 47
CT-460 47
CT-500CH 44
CT-520CH 44
CT-550CH 44
CT-570CH 44
CT-600 44
CT-700 47
CT-720 46
CT-720-3 46
CT-720-3CC 46

CT...

CT-720-7 46
CT-720-7CC 46
CT-900-BPC 48
CT-900HPH 48
CT-901HP 48
CT-920 48
CT-920CH 48
CT-930 48
CT-930CH 48
CT-980 48
CT-980CH 48

D

D10-250-L 25
D10-250M-L 27
D14-145M-C 28
D14-187-C 25
D14-188B-C 25
D14-188-C 25
D14-250B-C 25
D14-250-C 25
D14-250MB-C 27
D18-145M-C 28
D18-187-C 25
D18-188B-C 25
D18-188-C 25
D18-250B-C 25
D18-250-C 25
D18-250MB-C 27
D-250A-C 27
DM1-285B-C 39
DM1-288B-C 39
DM1-488-C 38
DM1-63-C 38
DM1-63MB-C 39
DM2-488-C 38
DM2-63-C 38
DM2-63MB-C 39
DM6-63-L 38
DM6-63M-L 39
DMNF1-285-C 38
DMNF1-285FIB-C 38
DMNF1-288-C 38
DMNF1-288FIB-C 38
DMNF1-488-C 38
DMNF1-488FIB-C 38
DMNF1-63-C 38
DMNF1-63FIB-C 38

DMN...

DMNF1-63FIM-C 39
DMNF1-63M-C 39
DMNF2-488-C 38
DMNF2-488FIB-C 38
DMNF2-63-C 38
DMNF2-63FIB-C 38
DMNF2-63FIM-C 39
DMNF2-63M-C 39
DMNF6-63FI-L 38
DMNF6-63M-L 39
DMV1-63P-C 39
DMV2-63P-C 39
DNF10-250FI-L 24
DNF10-250M-L 27
DNF14-110-C 25
DNF14-111-C 25
DNF14-187-C 25
DNF14-187FIB-C 24
DNF14-188-C 25
DNF14-188FIB-C 24
DNF14-205-C 25
DNF14-205FIB-C 24
DNF14-206-C 25
DNF14-206FIB-C 24
DNF14-250-C 25
DNF14-250FIB-C 23
DNF14-250FIB-C 24
DNF14-250FIMB-L 23
DNF14-250FIM-C 23
DNF14-250M-C 27
DNF18-110-C 25
DNF18-110FIB-C 24
DNF18-111-C 25
DNF18-111FIB-C 24
DNF18-187-C 25
DNF18-187FIB-C 24
DNF18-188-C 25
DNF18-188FIB-C 24
DNF18-205-C 25
DNF18-205FIB-C 24
DNF18-206-C 25
DNF18-206FIB-C 24
DNF18-250-C 25
DNF18-250FIB-C 23
DNF18-250FIB-C 24
DNF18-250FIMB-L 23
DNF18-250FIM-C 23

DNF..

DNF18-250M-C 27
DNFR14-205B-C 26
DNFR14-205FIB-C 26
DNFR14-206B-C 26
DNFR14-206FIB-C 26
DNFR14-250B-C 26
DNFR14-250FIB-C 26
DNFR18-205B-C 26
DNFR18-205FIB-C 26
DNFR18-206B-C 26
DNFR18-206FIB-C 26
DNFR18-250B-C 26
DNFR18-250FIB-C 26
DNG14-187FB-C 23
DNG14-187FB-C 23
DNG14-188FB-C 23
DNG14-188FB-C 23
DNG14-250FB-C 23
DNG14-250FB-C 23
DNG14-250FL-C 23
DNG18-187FB-C 23
DNG18-187FB-C 23
DNG18-188FB-C 23
DNG18-188FB-C 23
DNG18-250FB-C 23
DNG18-250FB-C 23
DNG18-250FL-C 23
DNH10-250FI-E 35
DNH14-250FIB-Q 35
DNH14-250FIM-Q 35
DNH18-250FIB-Q 35
DNH18-250FIM-Q 35
DPF10-250FI-L 24
DPF14-187FIB-C 24
DPF14-188FIB-C 24
DPF14-205FIB-C 24
DPF14-206FIB-C 24
DPF14-250FIB-C 24
DPF14-250FIMB-L 24
DPF14-250FIM-C 24
DPF18-110FIB-C 24
DPF18-111FIB-C 24
DPF18-187FIB-C 24
DPF18-188FIB-C 24
DPF18-205FIB-C 24
DPF18-206FIB-C 24
DPF18-250FIB-C 24

DPF...

DPF18-250FIMB-L 24
DPF18-250FIM-C 24
DR10-250-L 26
DR14-205B-C 26
DR14-205-C 26
DR14-206B-C 26
DR14-206-C 26
DR14-250B-C 26
DR14-250-C 26
DR18-205B-C 26
DR18-205-C 26
DR18-206B-C 26
DR18-206-C 26
DR18-250B-C 26
DR18-250-C 26
DV10-250-L 25
DV10-250M-L 27
DV14-145M-C 28
DV14-187B-C 25
DV14-188B-C 25
DV14-205B-C 25
DV14-206B-C 25
DV14-250B-C 25
DV14-250MB-C 27
DV18-145M-C 28
DV18-187B-C 25
DV18-188B-C 25
DV18-205B-C 25
DV18-206B-C 25
DV18-250B-C 25
DV18-250MB-C 27
DV18-250P-C 27
DVF14-187-C 25
DVF14-188-C 25
DVF14-205-C 25
DVF14-206-C 25
DVF14-250-C 25
DVF18-187-C 25
DVF18-188-C 25
DVF18-205-C 25
DVF18-206-C 25
DVF18-250-C 25

F- J

FPC-600 44
J214-312-T 31
J216-410-L 31
J318-412-T 31

JMN...

JMN2-C 40
JMN6-C 40
JN218-216-C 31
JN224-318-C 31
JN314-412-C 31
JN418-212-C 31

K

K-1000 41
K-1001 42
K-1100 41
K-1102 41
K-1103 41
K-1104 41
K1-PNKIT 42
K-205* 42
K2-PVKIT 42
KP-1000 41
KP-1075 41
KP-1165 41
KP-1166 41
KP-305 34
KP-305S 34

P

P10-10FF-L 15
P10-10F-L 15
P10-10LF-L 17
P10-10RHT6-L 10
P10-10R-L 9
P10-10SLF-L 18
P10-14F-L 15
P10-14LF-L 17
P10-14RHT6-L 10
P10-14R-L 9
P10-14SLF-L 18
P10-38R-L 9
P10-56R-L 9
P10-5SLF-L 18
P10-610R-L 10
P10-6F-L 15
P10-6LF-L 17
P10-6RHT6-L 10
P10-6R-L 9
P10-6SLF-L 18
P10-8F-L 15
P10-8LF-L 17
P10-8RHT6-L 10
P10-8R-L 9

P10..

P10-8SLF-L 18
P10-P55-L 28
P12-10HDR-L 11
P12-14HDR-L 11
P12-38HDR-L 11
P12-56HDR-L 11
P12-6HDR-L 11
P12-8HDR-L 11
P14-10F-C 15
P14-10FN-C 15
P14-10LF-C 17
P14-10LFN-C 17
P14-10R-C 9
P14-10RHT6-C 10
P14-10SLF-C 18
P14-14F-C 15
P14-14R-C 9
P14-14SLF-C 18
P14-38R-C 9
P14-4R-C 9
P14-56R-C 9
P14-5SLF-C 18
P14-610R-C 10
P14-6F-C 15
P14-6FF-C 15
P14-6FN-C 15
P14-6LF-C 17
P14-6LFW-C 17
P14-6R-C 9
P14-6RHT6-C 10
P14-6SLF-C 18
P14-8F-C 15
P14-8FF-C 15
P14-8LF-C 17
P14-8R-C 9
P14-8RHT6-C 10
P14-8SLF-C 18
P14-P47-C 28
P18-10F-C 15
P18-10FN-C 15
P18-10LF-C 17
P18-10LFN-C 17
P18-10R-C 9
P18-10RHT6-C 10
P18-10SLF-C 18
P18-14F-C 15
P18-14R-C 9

P18...

P18-38R-C 9
P18-4R-C 9
P18-56R-C 9
P18-5SLF-C 18
P18-610R-C 10
P18-6F-C 15
P18-6FN-C 15
P18-6LF-C 17
P18-6LFW-C 17
P18-6R-C 9
P18-6RHT6-C 10
P18-6RN-C 9
P18-6SLF-C 18
P18-8F-C 15
P18-8FF-C 15
P18-8LF-C 17
P18-8R-C 9
P18-8RHT6-C 10
P18-8SLF-C 18
P18-P47-C 28
P1-C 33
P2-10R-X 12
P2-12R-X 12
P2-14R-X 12
P22-10R-C 9
P22-2F-C 15
P22-2R-C 9
P22-4F-C 15
P22-4R-C 9
P22-6F-C 15
P22-6R-C 9
P22-8R-C 9
P2-38R-X 12
P2-56R-X 12
P2-C 33
P2G-C 33
P4-10HDR-E 12
P4-10R-E 12
P4-12HDR-E 12
P4-12R-E 12
P4-14HDR-E 12
P4-14R-E 12
P4-38HDR-E 12
P4-38R-E 12
P4-56HDR-E 12
P4-56R-E 12
P4-L 33

P6-10...

P6-10HDR-E 12
P6-10R-E 12
P6-12HDR-E 12
P6-12R-E 12
P6-14HDR-E 12
P6-14R-E 12
P6-38HDR-E 12
P6-38R-E 12
P6-56HDR-E 12
P6-56R-E 12
P6-8HDR-E 12
P6-8R-E 12
P72-C 34
P72HT-D 34
P73-C 34
P73HT-D 34
P74-C 34
P74HT-D 34
P76-C 34
P76HT-TL 34
P8-10HDR-Q 12
P8-10R-Q 12
P8-12HDR-Q 12
P8-12R-Q 12
P8-14HDR-Q 12
P8-14R-Q 12
P8-38HDR-Q 12
P8-38R-Q 12
P8-56HDR-Q 12
P8-56R-Q 12
P8-8HDR-Q 12
P8-8R-Q 12
PD-600 44
PF1-C 33
PF2-C 33
PF4-L 33
PH10-10F-E 35
PH10-10R-E 35
PH10-12R-E 35
PH10-14R-E 35
PH10-38R-E 35
PH10-8F-E 35
PH10-8R-E 35
PH14-10F-Q 35
PH14-10R-Q 35
PH14-14R-Q 35
PH14-38R-Q 35

PH14..

PH14-56R-Q 35
PH14-6F-Q 35
PH14-6R-Q 35
PH14-8F-Q 35
PH14-8R-Q 35
PH18-10F-Q 35
PH18-10R-Q 35
PH18-14R-Q 35
PH18-6F-Q 35
PH18-6R-Q 35
PH18-8F-Q 35
PH18-8R-Q 35
PK10-10R-L 9
PK10-14R-L 9
PK10-38R-L 9
PK10-56R-L 9
PK10-6R-L 9
PK10-8R-L 9
PK14-10R-C 9
PK14-14R-C 9
PK14-38R-C 9
PK14-4R-C 9
PK14-56R-C 9
PK14-6R-C 9
PK14-8R-C 9
PK18-10R-C 9
PK18-14R-C 9
PK18-38R-C 9
PK18-4R-C 9
PK18-56R-C 9
PK18-6R-C 9
PK18-8R-C 9
PM1-3F-C 37
PM1-3R-C 36
PM1-4F-C 37
PM1-4R-C 36
PM1-5F-C 37
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PM1-6R-C 36
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PM2-3F-C 37
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PM2-4F-C 37
PM2-4R-C 36
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PN10-38RX-L 7
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PN10-8RX-L 7
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PN12-10HDRX-L 10
PN12-14HDR-L 10

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PN22-6R-C 7
PN22-8R-C 7
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PNF10-6R-L 7

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PNF18-8SLF-C 17
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PQS3 34
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PS16-C 30
PS18-C 30
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PSN18-C 30
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PV12-10HDRX-L 11
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PV12-14HDRX-L 11
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PV12-38HDRX-L 11
PV12-56HDR-L 11
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PV12-6HDRX-L 11
PV12-8HDR-L 11
PV12-8HDRX-L 11
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PV14-8LFX-C 16

PV14...

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PV18-10RX-C 8
PV18-10SLF-C 18
PV18-14R-C 8
PV18-14RX-C 8
PV18-38R-C 8
PV18-38RX-C 8
PV18-4R-C 8
PV18-4RX-C 8
PV18-56R-C 8
PV18-56RX-C 8
PV18-5SLF-C 18
PV18-610R-C 9
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PV18-6FF-C 15
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PV18-6LFX-C 16
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PV18-6RX-C 8
PV18-6SLF-C 18
PV18-8F-C 14
PV18-8FF-C 15
PV18-8FX-C 14
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PV2-12R-X 11
PV2-12RX-X 12

PV2...

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PV22-2R-C 8
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PV4-38R-E 11
PV4-38RX-E 12
PV4-56R-E 11
PV4-56RX-E 12
PV6-10R-E 11
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PV6-14R-E 11
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PV6-56RX-E 12
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PV6-8RX-E 12
PV8-10R-Q 11
PV8-10RX-Q 12
PV8-12R-Q 11
PV8-12RX-Q 12
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PV8-8R-Q 11

PV8...

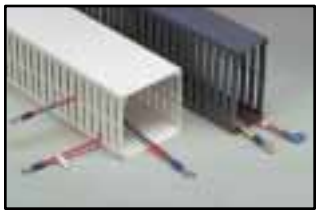
PV8-8RX-Q 12

S

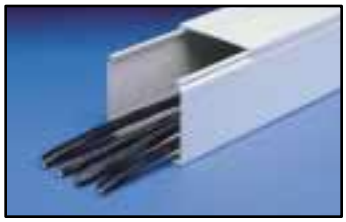
S1/0-12R-X 13
S1/0-14R-X 13
S1/0-38R-X 13
S1/0-56R-X 13
S2/0-12R-X 13
S2/0-14R-X 13
S2/0-38R-X 13
S2/0-56R-X 13
S2/0-76R-X 13
S2-10R-X 13
S2-12R-X 13
S2-14R-X 13
S2-38R-X 13
S250-12R-5 13
S250-38R-5 13
S250-56R-5 13
S250-76R-5 13
S2-56R-X 13
S3/0-12R-5 13
S3/0-14R-5 13
S3/0-38R-5 13
S3/0-56R-5 13
S3/0-76R-5 13
S4/0-12R-5 13
S4/0-38R-5 13
S4/0-56R-5 13
S4/0-76R-5 13
S4-10R-E 13
S4-14R-E 13
S4-38R-E 13
S4-56R-E 13
S6-10R-E 13
S6-14R-E 13
S6-38R-E 13
S6-56R-E 13
S8-10R-Q 13
S8-14R-Q 13
S8-38R-Q 13
S8-56R-Q 13
SR2 42
SR4 42
SR6 42
SRB 42

WIRING DUCT

Type G



Type F



Type FS

Type PE

Type PS

(File no. E147128)

(File no. 16446)

Panduit Wiring Duct is available in a selection of styles, sizes, colors and materials that can be used to protect, route and conceal cabling in general purpose applications from the work area to the communications closet.

Type G Slotted Wall Duct:

Sizes from 0.5" x 0.5" to 6" x 4". Wide finger width for larger diameter cables. Rigid PVC material; (UL flammability rating of V-0).

Type F Slotted Wall Duct:

Sizes from 0.5" x 0.5" to 4" x 5". High density finger and slot spacing. Rigid PVC material (UL flammability rating of V-0).

Type FS Solid Wall Duct:

Sizes from 0.5" x 0.5" to 6" x 4". Solid wall completely conceals and protects cabling. Rigid PVC material (UL flammability rating of V-0).

Type PE Slotted Wall Duct:

Sizes from 0.75" x 1.0" to 4" x 4". Special purpose polycarbonate material for use where low halogen and low smoke generation is critical. Wide finger width for larger diameter cables.

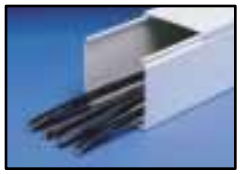
Type PS Solid Wall Duct:

Sizes from 0.75" x 1.0" to 4" x 4". Special purpose polycarbonate material for use where low halogen and low smoke generation is critical. Solid wall completely conceals and protects cabling.

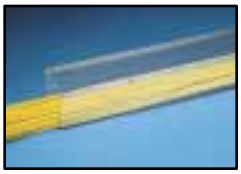
Wiring Duct

Type G Slotted Wall Duct

Type F Slotted Wall Duct


Type FS Solid Wall Duct
(Supplied without mounting hole)

Type PE Wiring Duct


Type PS Wiring Duct

G Duct Part Numbers ‡	F Duct Part Numbers ‡	FS Duct Part Numbers‡	Nominal Duct Size Width In. (mm)	Nominal Duct Size Height In. (mm)	Cover Part Number	Std. Length	Duct Std. Ctn. Qty.	Cover Std. Ctn. Qty.
G.5X.5LG6	**F.5X.5LG6**	**FS.5X.5LG6NM**	0.50 (12.7)	0.50(12.7)	**C.5LG6**	6 ft.	120 ft.	120 ft.
G.5X1LG6	**F.5X1LG6**	**FS.5X1LG6NM**		1.00 (25.4)			120 ft.	120 ft.
G.75X.75LG6	**F.75X.75LG6**	**FS.75X.75LG6NM**	0.75 (19.1)	0.75 (19.1)	**C.75LG6**	6 ft.	120 ft.	120 ft.
G.75X1LG6		**FS.75X1LG6NM**		1.00 (25.4)			120 ft.	120 ft.
G.75X1.5LG6	**F.75X1.5LG6**	**FS.75X1.5LG6NM**		1.50 (38.1)			120 ft.	120 ft.
G.75X2LG6		**FS.75X2LG6NM**		2.00 (50.8)			120 ft.	120 ft.
G1X1LG6	**F1X1LG6**	**FS1X1LG6NM**	1.00 (25.4)	1.00 (25.4)	**C1LG6**	6 ft.	120 ft.	120 ft.
G1X1.5LG6	**F1X1.5LG6**	**FS1X1.5LG6NM**		1.50 (38.1)			120 ft.	120 ft.
G1X2LG6	**F1X2LG6**	**FS1X2LG6NM**		2.00 (50.8)			120 ft.	120 ft.
G1X3LG6	**F1X3LG6**	**FS1X3LG6NM**		3.00 (76.2)			120 ft.	120 ft.
G1X4LG6		**FS1X4LG6NM**		4.00 (101.6)			120 ft.	120 ft.
G1.5X1LG6	**F1.5X1LG6**	**FS1.5X1LG6NM**	1.50 (38.1)	1.00 (25.4)	**C1.5LG6**	6 ft.	120 ft.	120 ft.
G1.5X1.5LG6	**F1.5X1.5LG6**	**FS1.5X1.5LG6NM**		1.50 (38.1)			120 ft.	120 ft.
G1.5X2LG6	**F1.5X2LG6**	**FS1.5X2LG6NM**		2.00 (50.8)			120 ft.	120 ft.
G1.5X3LG6	**F1.5X3LG6**	**FS1.5X3LG6NM**		3.00 (76.2)			120 ft.	120 ft.
G1.5X4LG6		**FS1.5X4LG6NM**		4.00 (101.6)			60 ft.	120 ft.
G2X1LG6	**F2X1LG6**	**FS2X1LG6NM**	2.00 (50.8)	1.00 (25.4)	**C2LG6**	6 ft.	120 ft.	120 ft.
G2X1.5LG6	**F2X1.5LG6**	**FS2X1.5LG6NM**		1.50 (38.1)			120 ft.	120 ft.
G2X2LG6	**F2X2LG6**	**FS2X2LG6NM**		2.00 (50.8)			120 ft.	120 ft.
G2X3LG6	**F2X3LG6**	**FS2X3LG6NM**		3.00 (76.2)			60 ft.	120 ft.
G2X4LG6		**FS2X4LG6NM**		4.00 (101.6)			60 ft.	120 ft.
G2X5LG6		**FS2X5LG6NM**		5.00 (127.0)			60 ft.	120 ft.
G2.5X3LG6		**FS2.5X3LG6NM**	2.50 (63.5)	3.00 (76.2)	**C2.5LG6**	6 ft.	120 ft.	120 ft.
G3X1LG6	**F3X1LG6**	**FS3X1LG6NM**	3.00 (76.2)	1.00 (25.4)	**C3LG6**	6 ft.	120 ft.	120 ft.
G3X2LG6	**F3X2LG6**	**FS3X2LG6NM**		2.00 (50.8)			120 ft.	120 ft.
G3X3LG6	**F3X3LG6**	**FS3X3LG6NM**		3.00 (76.2)			60 ft.	120 ft.
G3X4LG6		**FS3X4LG6NM**		4.00 (101.6)			60 ft.	120 ft.
G3X5LG6		**FS3X5LG6NM**		5.00 (127.0)			60 ft.	120 ft.
G4X1.5LG6		**FS4X1.5LG6NM**	4.00 (101.6)	1.50 (38.1)	**C4LG6**	6 ft.	60 ft.	120 ft.
G4X2LG6	**F4X2LG6**	**FS4X2LG6NM**		2.00 (50.8)			60 ft.	120 ft.
G4X3LG6	**F4X3LG6**	**FS4X3LG6NM**		3.00 (76.2)			60 ft.	120 ft.
G4X4LG6		**FS4X4LG6NM**		4.00 (101.6)			60 ft.	120 ft.
G4X5LG6		**FS4X5LG6NM**		5.00 (127.0)			60 ft.	120 ft.
G6X4LG6		**FS6X4LG6NM**	6.00 (152.4)	4.00 (101.6)	**C6LG6**	6 ft.	60 ft.	120 ft.

‡ All parts listed in LG (Light Gray) color. To order other colors substitute DG (Dark Gray) and WH (White). Contact Factory for details.

PE Duct Part Numbers	PS Duct Part Numbers	Nominal Duct Size Width In. (mm)	Nominal Duct Size Height In. (mm)	Cover Part Number	Std. Length	Duct Std. Ctn. Qty.	Cover Std. Ctn. Qty.
PE.75X1CL6	**PS.75X1CL6**	0.75 (19.1)	1.00 (25.4)	**PC.75CL6**	6 ft.	120 ft.	120 ft.
PE1X3CL6	**PS1X3CL6**	1.00 (25.4)	3.00 (76.2)	**PC1CL6**	6 ft.	120 ft.	120 ft.
PE1.5X1.5CL6	**PS1.5X1.5CL6**	1.50 (38.1)	1.50 (38.1)	**PC1.5CL6**	6 ft.	120 ft.	120 ft.
PE2X1.5CL6	**PS2X1.5CL6**	2.00 (50.8)	1.50 (38.1)	**PC2CL6**	6 ft.	120 ft.	120 ft.
PE2X2CL6	**PS2X2CL6**	2.00 (50.8)	2.00 (50.8)				
PE3X1.25CL6	**PS3X1.25CL6**	3.00 (76.2)	1.25 (31.8)	**PC3CL6**	6 ft.	120 ft.	120 ft.
PE4X4CL6	**PS4X4CL6**	4.00 (101.6)	4.00 (101.6)	**PC4CL6**	6 ft.	60 ft.	120 ft.

ORDERING INFORMATION:
Order number of feet required. (Must be in multiple of 6 ft.) —To order with pressure-sensitive adhesive mounting tape applied, add -A to the Part Number.
Adhesive tape is not CSA Certified.
Polycarbonate Duct (PE & PS Duct) is not UL Recognized or CSA Certified.

NOTE: Order duct and cover separately

Wiring Duct Tools

DCT

DNT-100

NEW!

TNR

DFCT

Part Number	Description	Std. Pkg. Qty.
Duct Cutting Tool		
DCT	Hand held Duct Cutting Tool (Steel Construction)	1
Duct Notching Tool		
DNT-100	Hand held Duct Notching Tool (Steel Construction)	1
Nylon Rivet Installation Tool		
TNR	Hand held Nylon Rivet Installation Tool (Aluminum & Acetal Construction)	1
Duct Finger Cutting Tool		
DFCT	Hand held Duct Finger Cutting Tool (Steel Construction)	1

NOTE: Always use approved safety goggles when using any tools.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Wiring Duct Accessories

- Wiring duct divider wall can be mounted inside any type of Panduit PVC wiring duct to create multiple channels within the wiring duct.
- Simply install the divider wall base when mounting the duct and snap the divider wall onto the mounting base.

Part Number	Fits Nominal Duct Height		Std. Length	Std. Ctn. Qty.
	In.	(mm)		
Divider Wall — For use with Type G, F, and FS Duct				
D1H6	1.00	(25.4)	6 ft.	120 ft.
D1.5H6	1.50	(38.1)		
D2H6	2.00	(50.8)		
D3H6	3.00	(76.2)		
D4H6	4.00	(101.6)		

NOTE: Must be used with Mounting Base (DB-C) which is sold separately, see below.

NEW!

- Both versions snap onto DB-C mounting base

Part Number	For Duct Height Inches (mm)	Std. Length	Std. Ctn. Qty.
***PANDUCT*® Slotted Divider Wall — Type G, F, FS, D Ducts**			
SD2H6	2.00 (50.8)	6 ft.	120 ft.
SD3H6	3.00 (76.2)	6 ft.	120 ft.
SD4H6	4.00 (101.6)	6 ft.	120 ft.

NOTE: Use of 4 mounting bases per every 6 feet of divider wall is recommended.

ORDERING INFORMATION:
Order number of feet required, in multiples of standard length increment.

- Used as a mounting base for divider wall shown above
- Also used as a screw shroud to protect wires from abrasion

Part Number	Used with Divider Wall	Used with Anchors	Std. Pkg. Qty.
Mounting Base — For use with Type G, F, and FS Duct			
DB-C	Mounting base for D1H6, D1.5H6, D2H6, D3H6 and D4H6	Panduit NR1 Rivets, #8 or #10 screws.	100 pcs.

NOTE: Use of 4 mounting bases per every 6 feet of divider wall is recommended.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

Wiring Duct Accessories (cont'd)

- Fast, lowest cost mounting method
- Installs quickly and easily using Panduit Rivet Installation Tool Part No. TNR.

Part Number	Material	Total Thickness (Panel & Duct) Inches (mm)	Panel Hole Dia. Needed	Std. Pkg. Qty.	Bulk Pkg. Qty.
Mounting Rivets — For use with Type G, F, FS, PE and PS Duct					
NR1-C	Nylon	.158" (4.0) -.187" (4.7)	.187" (4.7)	100 pcs.	—
		.188" (4.8) -.218" (5.5)	.193" (4.9)		
NR1-M		.219" (5.6) -.250" (6.4)	.203" (5.2)	—	1000 pcs.
		.251" (6.5) -.281 (7.1)	.213" (5.4)		

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

- May be snapped directly on top of the wiring duct divider wall

Part Number	Material	Length Inches (mm)	Std. Pkg. Qty.
Wire Retainer — For use with Wiring Duct Divider Wall			
T3WR-C	Nylon	1.05 (26.7)	100 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

NEW!

WR2-C
WR3-C

WR4-C
WR5-C

FWR-C

- FWR-C can also be used as a Labeling device

Part Number	For Duct Width Inches (mm)	Std. Pkg. Qty.
Wire Retainer — For use with Type G Duct		
WR2-C	2.00 (50.8) Except 2 X 5 duct size	100 pcs.
WR3-C	3.00 (76.2) Except 3 X 5 duct size	100 pcs.
WR4-C	4.00 (101.6) Except 4 X 5 duct size	100 pcs.
WR5-C	2.0 (50.8), 3.0 (76.2), 4.0 (101.6), 6.0 (152.4) For use with 5" height wire duct	100 pcs.
Wire Retainer — For use with Type F Duct		
FWR-C	1.50 (38.1) 2.00 (50.8) 3.00 (76.2) 4.00 (101.6)	100 pcs.

NOTE: Full length for use with 4" wide duct. For smaller widths, break off at scorelines.

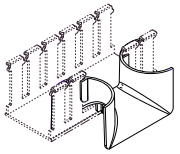
ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

NEW!

FIBER-DUCT™ Bend Radius Control Trumpet

TRC2BL

TRC4BL



Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
TRC2BL	Bend radius control trumpet for 2" x 2" system.	1 pc.	10 pcs.
TRC4BL	Bend radius control trumpet for 4" x 4" system.	1 pc.	10 pcs.

ORDERING INFORMATION:
Order number of pieces required, in multiples of Standard Package Quantity.

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Effective Date: March 23, 2001

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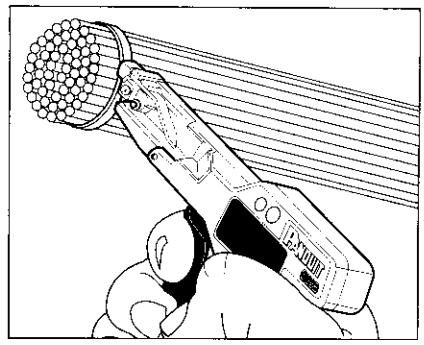
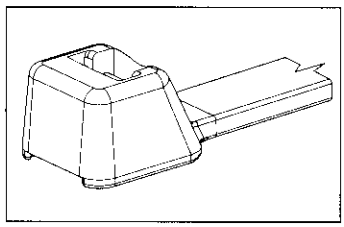
PANDUIT® Cable Ties and Installation Tooling

PANDUIT is the world's largest producer of cables ties, offering the most complete selection of sizes, styles and materials. *PANDUIT* also offers the largest selection of ergonomic cable tie installation tools. We continually provide new cable tie designs to meet the changing application challenges encountered by our customers while providing the lowest installed cost.

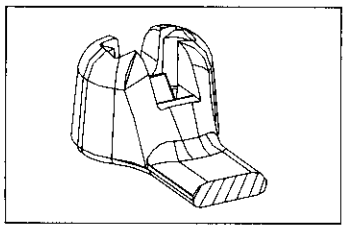
PANDUIT cable ties are designed and manufactured to meet applicable international, UL, military and customer standards. For technical information, call 866-405-6660.





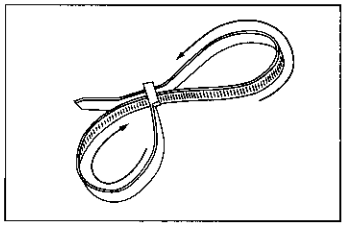
PAN-TY® Cable Ties

This line offers the largest selection of styles, materials and sizes. The ties are available in 6.6 nylon, nylon 12, polypropylene, HALAR* and TEFZEL* material. Available in sizes from .60" (15mm) maximum bundle diameter up to 13" (330mm) maximum bundle diameter. All are self-locking and many sizes are available in both releasable and non-releaseable types. ***PAN-TY*** Cable Ties are quickly installed by hand or with *PANDUIT* installation tools.



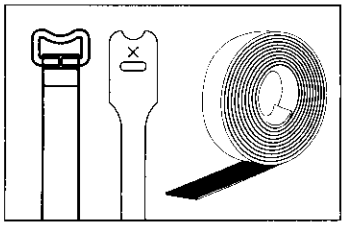
DOME-TOP™ Barb Ty Cable Ties

These cable ties provide consistent performance and reliability for those users who prefer a cable tie with a stainless steel locking barb. They are infinitely adjustable through their entire bundle range. On selected popular sizes, the additional length of Barb Ty Cable Ties provides an average of 30% more bundle area than other metal barb cable ties. Available in sizes from .90" (23mm) maximum bundle diameter up to 9.0" (229mm) maximum bundle diameter and may be installed by hand or with *PANDUIT* installation tools.



Specialty Ties

PANDUIT continually develops new products to help solve the unique application problems of our customers. One of these products is the double loop tie which typifies the design/manufacturing capability of *PANDUIT* to respond to these special needs.



TAK-TY™ Hook & Loop Cable Ties

These handy cable ties are very easy to release and reuse, making them ideal for applications where changes are anticipated or repeated access is required. These products are also great for applications where over-tightening is a concern and they will not pinch or abrade wires. *TAK-TY* Cable Ties are available in four different styles and ten different colors for easy identification. No installation tool is needed.

*The following trade names are used throughout this section:

TEFZEL is the registered trademark of El DuPont Co.
HALAR is the registered trademark of Ausimont Inc.

Part Number System (Example)

PLT — 2 — S — ____ — C — ____

PLT — **Part Description**
PANDUIT
Locking
Tie (etc.)

2 — **Size**
(Approximate
Max. Bundle
Diameter)

S — **Cross-Section**
SM = Subminiature
M = Miniature
I = Intermediate
S = Standard
LH = Light-Heavy
H = Heavy
EH = Extra-Heavy

Screw Hole Size
(Clamp Ties Only)
-S4 = #4 (M2.5)
-S6 = #6 (M3)
-S8 = #8 (M4)
-S10 = #10 (M5)
-S25 = 1/4 (M6)

C — **Package Size**
X = 10
Q = 25
L = 50
C = 100
TL = 250
D = 500
M = 1000

Color
(See Below)
Not all ties are
available in all colors.

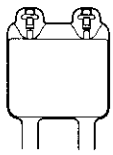
Color and Material

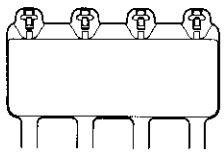
The following provides the color number for *PANDUIT* cable tie part numbers and U.S. military standard part numbers. Applies to cable ties in certain package sizes only.

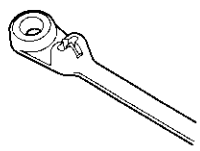
MATERIAL	6.6 NYLON																							NYLON 12	POLYPRO-PYLENE		TEFZEL*	HALAR*
Color	‡ Nat.	Black ⊷	‡ Black ⊷●	‡ Brown	‡ Red	‡ Orange	‡ Yellow	‡ Green	‡ Blue	‡ Purple	‡ Gray	White	Tele-phone Gray	Black **	Heat Stab. Black	Heat Stab. Nat.	FL. Orange	FL. Yellow	FL. Green	FL. Pink	Flame Retard Black	Flame Retard Ivory	Heat Stab Black ⊷	Black ⊷	Black ⊷	Green	Aqua Blue	Maroon
Panduit Part No. Suffix	NONE	0	00	1	2	3	4	5	6	7	8	10	14	20	30	39	53	54	55	59	60	69	300	120	100	109	76	702
AS3367 AS3368 AS17821 AS17822 Color Suffix	9	*	0	1	2	3	4	5	6	7	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AS18034 AS18035 Color Suffix	NN	*	BK	BR	R	OR	Y	GN	BL	P	GY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

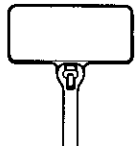
*Not applicable to military specified parts
**Pigmented black
⊷ Weather resistant—for greater resistance to ultraviolet light.
‡Meets AS33671 or AS3368 1 where applicable (specify AS number when ordering). All other parts meet dimensional and tensile strength requirements of AS33671 or AS33681 where applicable. (AS replaces the MS - Military Standard)
FL - 12Fluorescent Colors

PANDUIT® Cable Ties and Installation Tooling

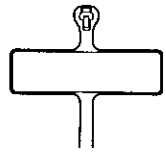

B2M2S
Marker Tie

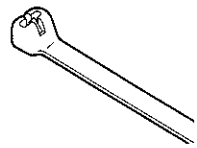

B4M2S
Marker Tie


BC
Clamp Ties


BF1M
Marker Tie

BM2S
Marker Tie


BM1M
Marker Tie


BT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
ABM2S-1L-A-C14	ADH MOUNT/CABLE TIE KIT, 100 EA, TEL GRY	100 PC	5000	1	100	500	C	$ 114.12	$ 88.34	$ 71.15
ABM2S-1L-A-C15	ADH MOUNT/CABLE TIE KIT, 100 EA, IVORY	100 PC	5000	1	100	500	C	114.12	88.34	71.15
B2M2S-L	MARKER TIE, STANDARD, NAT 8.0"	50 PC	500	1	50	500	C	146.38	114.42	91.41
B2M2S-L0	MARKER TIE, STANDARD, WR BLK 8.0"	50 PC	500	1	50	500	C	176.31	136.47	109.92
B3M2S-L	MARKER TIE, STANDARD, NAT 8.0"	50 PC	500	1	50	500	C	192.47	150.45	120.19
B3M2S-L0	MARKER TIE, STANDARD, WR BLK 8.0"	50 PC	500	1	50	500	C	249.87	193.42	155.78
B4M2S-L	MARKER TIE, STANDARD, NAT 8.0"	50 PC	500	1	50	500	C	246.88	192.98	154.17
B4M2S-L0	MARKER TIE, STANDARD, WR BLK 8.0"	50 PC	500	1	50	500	C	350.59	271.38	218.57
BC1M-S4-C	CLAMP TIE, MIN, #4 SCREW, NAT 4.6"	100 PC	1000	1	100	1000	C	26.93	21.05	16.82
BC1M-S4-C0	CLAMP TIE, MIN, #4 SCREW, WR BLK 4.6"	100 PC	1000	1	100	1000	C	47.54	36.80	29.64
BC1.5I-S8-C	CLAMP TIE, INT, #8 SCREW, NAT 6.6"	100 PC	1000	1	100	1000	C	27.34	21.37	17.07
BC1.5I-S8-C0	CLAMP TIE, INT, #8 SCREW, WR BLK 6.6"	100 PC	1000	1	100	1000	C	34.22	26.49	21.34
BC2M-S4-C	CLAMP TIE, MIN, #4 SCREW, NAT 8.3"	100 PC	1000	1	100	1000	C	31.69	24.77	19.79
BC2M-S4-C0	CLAMP TIE, MIN, #4 SCREW, WR BLK 8.3"	100 PC	1000	1	100	1000	C	51.89	40.16	32.35
BC2S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 8.5"	100 PC	1000	1	100	1000	C	29.48	23.02	18.44
BC2S-S10-C0	CLAMP TIE, STD, #10 SCREW, WR BLK 8.5"	100 PC	1000	1	100	1000	C	37.03	28.94	23.12
BC2S-S10-D30	CLAMP TIE, STD, #10 SCREW, HS BLK 8.5"	500 PC	10000	500			M	177.48		
BC3S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 12.5"	100 PC	1000	1	100	1000	C	68.11	53.18	42.61
BC3S-S10-C0	CLAMP TIE, STD, #10 SCREW, WR BLK 12.5"	100 PC	1000	1	100	1000	C	78.93	61.63	49.37
BC3S-S10-D30	CLAMP TIE, STD, #10 SCREW, HS BLK 12.5"	500 PC	5000	500			M	314.63		
BC4LH-S25-L	CLAMP TIE, LHEAVY, #25 SCREW, NAT 15.5"	50 PC	500	1	50	500	C	87.34	68.19	54.64
BC4LH-S25-L0	CLAMP TIE, LHEAVY, #25 SCREW, WR BLK 15.5"	50 PC	500	1	50	500	C	127.14	99.38	79.39
BC4LH-S25-TL30	CLAMP TIE, LT-HEAVY, #25 SCREW, HS BLK 15.5"	250 PC	2500	250			M	654.92		
BC4S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 15.6"	100 PC	1000	1	100	1000	C	74.79	58.40	46.79
BC4S-S10-C0	CLAMP TIE, STD, #10 SCREW, WR BLK 15.6"	100 PC	1000	1	100	1000	C	86.51	67.55	54.12
BC4S-S10-D30	CLAMP TIE, STD, #10 SCREW, HS BLK 15.6"	500 PC	5000	500			M	391.74		
BF1M-C	MARKER TIE, FLAG, MIN, NAT 4.6"	100 PC	1000	1	100	1000	C	28.34	22.13	17.73
BF1M-C0	MARKER TIE, FLAG, MIN, WR BLK 4.6"	100 PC	1000	1	100	1000	C	39.07	30.54	24.40
BF2M-C	MARKER TIE, FLAG, MIN, NAT 8.3"	100 PC	1000	1	100	1000	C	51.41	40.19	32.10
BF2M-C0	MARKER TIE, FLAG, MIN, WR BLK 8.3"	100 PC	1000	1	100	1000	C	66.09	51.66	41.27
BM1M-C	MARKER TIE, MIN, NAT 4.2"	100 PC	1000	1	100	1000	C	29.43	22.98	18.41
BM1M-C0	MARKER TIE, MIN, WR BLK 4.2"	100 PC	1000	1	100	1000	C	40.60	31.74	25.35
BM2M-C	MARKER TIE, MIN, NAT 7.9"	100 PC	1000	1	100	1000	C	42.14	32.94	26.31
BM2M-C0	MARKER TIE, MIN, WR BLK 7.9"	100 PC	1000	1	100	1000	C	50.50	39.09	31.48
BM2S-C	MARKER TIE, STANDARD, NAT 8.0"	100 PC	1000	1	100	1000	C	55.67	43.47	34.83
BM2S-C0	MARKER TIE, STANDARD, WR BLK 8.0"	100 PC	1000	1	100	1000	C	70.46	55.08	44.00
BM4S-C	MARKER TIE, STANDARD, NAT 15.1"	100 PC	1000	1	100	1000	C	79.07	61.81	49.38
BM4S-C0	MARKER TIE, STANDARD, WR BLK 15.1"	100 PC	1000	1	100	1000	C	105.52	81.68	65.78
BT1M-C	CABLE TIE, MINIATURE, NAT 4.0"	100 PC	1000	1	100	1000	C	12.99	10.14	8.12
BT1M-C0	CABLE TIE, MINIATURE, WR BLK 4.0"	100 PC	1000	1	100	1000	C	16.88	13.18	10.56
BT1M-C30	CABLE TIE, MINIATURE, HS BLK 4.0"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
BT1M-M1	CABLE TIE, MINIATURE, BRN 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M2	CABLE TIE, MINIATURE, RED 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M3	CABLE TIE, MINIATURE, ORN 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M4	CABLE TIE, MINIATURE, YEL 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M5	CABLE TIE, MINIATURE, GRN 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M6	CABLE TIE, MINIATURE, BLU 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M7	CABLE TIE, MINIATURE, PUR 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M8	CABLE TIE, MINIATURE, GRY 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M10	CABLE TIE, MINIATURE, WHT 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M14	CABLE TIE, MINIATURE, TEL GRY 4.0"	1000 PC	50000	1000			M	33.47		
BT1M-M39	CABLE TIE, MINIATURE, HS NAT 4.0"	1000 PC	50000	1000			M	49.40		
BT1.5I-C	CABLE TIE, INTERMEDIATE, NAT 6.1"	100 PC	1000	1	100	1000	C	15.05	11.75	9.41
BT1.5I-C0	CABLE TIE, INTERMEDIATE, WR BLK 6.1"	100 PC	1000	1	100	1000	C	18.51	14.45	11.58
BT1.5I-M1	CABLE TIE, INTERMEDIATE, BRN 6.1"	1000 PC	25000	1000			M	53.30		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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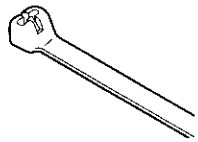

BT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
BT1.5I-M2	CABLE TIE, INTERMEDIATE, RED 6.1"	1000 PC	25000	1000			M	$ 53.30	$	$
BT1.5I-M3	CABLE TIE, INTERMEDIATE, ORN 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M4	CABLE TIE, INTERMEDIATE, YEL 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M5	CABLE TIE, INTERMEDIATE, GRN 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M6	CABLE TIE, INTERMEDIATE, BLU 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M7	CABLE TIE, INTERMEDIATE, PUR 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M8	CABLE TIE, INTERMEDIATE, GRY 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M10	CABLE TIE, INTERMEDIATE, WHT 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M14	CABLE TIE, INTERMEDIATE, TEL GRY 6.1"	1000 PC	25000	1000			M	53.30		
BT1.5I-M30	CABLE TIE, INTERMEDIATE, HS BLK 6.1"	1000 PC	25000	1000			M	53.81		
BT1.5I-M39	CABLE TIE, INTERMEDIATE, HS NAT 6.1"	1000 PC	25000	1000			M	67.02		
BT1.5M-C	CABLE TIE, MINIATURE, NAT 6.3"	100 PC	1000	1	100	1000	C	15.97	12.47	9.99
BT1.5M-C0	CABLE TIE, MINIATURE, WR BLK 6.3"	100 PC	1000	1	100	1000	C	18.37	14.35	11.49
BT1.5M-M1	CABLE TIE, MINIATURE, BRN 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M2	CABLE TIE, MINIATURE, RED 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M3	CABLE TIE, MINIATURE, ORN 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M4	CABLE TIE, MINIATURE, YEL 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M5	CABLE TIE, MINIATURE, GRN 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M6	CABLE TIE, MINIATURE, BLU 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M7	CABLE TIE, MINIATURE, PUR 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M8	CABLE TIE, MINIATURE, GRY 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M10	CABLE TIE, MINIATURE, WHT 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M14	CABLE TIE, MINIATURE, TEL GRY 6.3"	1000 PC	50000	1000			M	47.73		
BT1.5M-M30	CABLE TIE, MINIATURE, HS BLK 6.3"	1000 PC	50000	1000			M	46.01		
BT2I-C	CABLE TIE, INTERMEDIATE, NAT 8.0"	100 PC	1000	1	100	1000	C	22.47	17.54	14.06
BT2I-C0	CABLE TIE, INTERMEDIATE, WR BLK 8.0"	100 PC	1000	1	100	1000	C	27.00	21.08	16.89
BT2I-M30	CABLE TIE, INTERMEDIATE, HS BLK 8.0"	1000 PC	25000	1000			M	64.32		
BT2LH-L	CABLE TIE, LIGHT-HEAVY, NAT 8.7"	50 PC	500	1	50	500	C	46.60	36.43	29.10
BT2LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 8.7"	50 PC	500	1	50	500	C	50.65	39.59	31.63
BT2M-C	CABLE TIE, MINIATURE, NAT 7.9"	100 PC	1000	1	100	1000	C	17.94	14.00	11.22
BT2M-C0	CABLE TIE, MINIATURE, WR BLK 7.9"	100 PC	1000	1	100	1000	C	22.80	17.80	14.26
BT2M-M1	CABLE TIE, MINIATURE, BRN 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M2	CABLE TIE, MINIATURE, RED 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M3	CABLE TIE, MINIATURE, ORN 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M4	CABLE TIE, MINIATURE, YEL 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M5	CABLE TIE, MINIATURE, GRN 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M6	CABLE TIE, MINIATURE, BLU 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M7	CABLE TIE, MINIATURE, PUR 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M8	CABLE TIE, MINIATURE, GRY 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M10	CABLE TIE, MINIATURE, WHT 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M14	CABLE TIE, MINIATURE, TEL GRY 7.9"	1000 PC	25000	1000			M	49.42		
BT2M-M30	CABLE TIE, MINIATURE, HS BLK 7.9"	1000 PC	25000	1000			M	47.81		
BT2S-C	CABLE TIE, STANDARD, NAT 8.0"	100 PC	1000	1	100	1000	C	19.01	14.84	11.89
BT2S-C0	CABLE TIE, STANDARD, WR BLK 8.0"	100 PC	1000	1	100	1000	C	20.30	15.85	12.70
BT2S-M1	CABLE TIE, STANDARD, BRN 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M2	CABLE TIE, STANDARD, RED 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M3	CABLE TIE, STANDARD, ORN 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M4	CABLE TIE, STANDARD, YEL 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M5	CABLE TIE, STANDARD, GRN 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M6	CABLE TIE, STANDARD, BLU 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M7	CABLE TIE, STANDARD, PUR 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M8	CABLE TIE, STANDARD, GRY 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M10	CABLE TIE, STANDARD, WHT 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M14	CABLE TIE, STANDARD, TEL GRY 8.0"	1000 PC	10000	1000			M	69.40		
BT2S-M20	CABLE TIE, STANDARD, BLK 8.0"	1000 PC	10000	1000			M	69.40		

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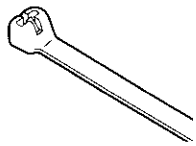

BT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
BT2S-M30	CABLE TIE, STANDARD, HS BLK 8.0"	1000 PC	10000	1000			M	$ 70.07	$	$
BT2S-M39	CABLE TIE, STANDARD, HS NAT 8.0"	1000 PC	10000	1000			M	88.67		
BT3I-C	CABLE TIE, INTERMEDIATE, NAT 11.1"	100 PC	1000	1	100	1000	C	27.97	21.84	17.49
BT3I-C0	CABLE TIE, INTERMEDIATE, WR BLK 11.1"	100 PC	1000	1	100	1000	C	37.36	29.17	23.37
BT3I-M14	CABLE TIE, INTERMEDIATE, TEL GRY 11.1"	1000 PC	10000	1000			M	142.97		
BT3I-M30	CABLE TIE, INTERMEDIATE, HS BLK 11.1"	1000 PC	10000	1000			M	142.97		
BT3LH-L	CABLE TIE, LIGHT-HEAVY, NAT 11.8"	50 PC	500	1	50	500	C	64.58	50.48	40.33
BT3LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 11.8"	50 PC	500	1	50	500	C	70.94	55.45	44.30
BT3S-C	CABLE TIE, STANDARD, NAT 12.0"	100 PC	1000	1	100	1000	C	38.39	29.98	24.02
BT3S-C0	CABLE TIE, STANDARD, WR BLK 12.0"	100 PC	1000	1	100	1000	C	41.15	32.13	25.74
BT3S-C2	CABLE TIE, STANDARD, RED 12.0"	100 PC	1000	1	100	1000	C	48.25	37.72	30.13
BT3S-M30	CABLE TIE, STANDARD, HS BLK 12.0"	1000 PC	10000	1000			M	181.23		
BT3S-M39	CABLE TIE, STANDARD, HS NAT 12.0"	1000 PC	10000	1000			M	199.34		
BT4I-C	CABLE TIE, INTERMEDIATE, NAT 14.3"	100 PC	1000	1	100	1000	C	39.07	30.51	24.44
BT4I-C0	CABLE TIE, INTERMEDIATE, WR BLK 14.3"	100 PC	1000	1	100	1000	C	46.89	36.61	29.33
BT4I-M14	CABLE TIE, INTERMEDIATE, TEL GRY 14.3"	1000 PC	10000	1000			M	206.24		
BT4LH-L	CABLE TIE, LIGHT-HEAVY, NAT 14.9"	50 PC	500	1	50	500	C	63.75	49.78	39.88
BT4LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 14.9"	50 PC	500	1	50	500	C	69.27	54.09	43.33
BT4LH-TL30	CABLE TIE, LIGHT-HEAVY, HS BLK 14.9"	250 PC	2500	250			M	423.05		
BT4LH-TL39	CABLE TIE, LIGHT-HEAVY, HS NAT 14.9"	250 PC	2500	250			M	457.60		
BT4M-C	CABLE TIE, MINIATURE, NAT 14.2"	100 PC	1000	1	100	1000	C	25.89	20.21	16.19
BT4M-C0	CABLE TIE, MINIATURE, WR BLK 14.2"	100 PC	1000	1	100	1000	C	32.41	25.31	20.28
BT4S-C	CABLE TIE, STANDARD, NAT 15.1"	100 PC	1000	1	100	1000	C	43.69	34.11	27.33
BT4S-C0	CABLE TIE, STANDARD, WR BLK 15.1"	100 PC	1000	1	100	1000	C	46.89	36.61	29.33
BT4S-C14	CABLE TIE, STANDARD, TEL GRY 15.1"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
BT4S-M1	CABLE TIE, STANDARD, BRN 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M2	CABLE TIE, STANDARD, RED 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M3	CABLE TIE, STANDARD, ORN 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M4	CABLE TIE, STANDARD, YEL 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M5	CABLE TIE, STANDARD, GRN 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M6	CABLE TIE, STANDARD, BLU 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M7	CABLE TIE, STANDARD, PUR 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M8	CABLE TIE, STANDARD, GRY 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M10	CABLE TIE, STANDARD, WHT 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M30	CABLE TIE, STANDARD, HS BLK 15.1"	1000 PC	5000	1000			M	204.20		
BT4S-M39	CABLE TIE, STANDARD, HS NAT 15.1"	1000 PC	5000	1000			M	240.41		
BT5LH-C	CABLE TIE, LIGHT-HEAVY, NAT 18.1"	100 PC	2000	100			M	397.07		
BT5LH-C0	CABLE TIE, LIGHT-HEAVY, WR BLK 18.1"	100 PC	2000	100			M	485.40		
BT5LH-L	CABLE TIE, LIGHT-HEAVY, NAT 18.1"	50 PC	500	1	50	500	C	74.04	57.82	46.32
BT5LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 18.1"	50 PC	500	1	50	500	C	84.97	66.35	53.16
BT6LH-L	CABLE TIE, LIGHT-HEAVY, NAT 21.2"	50 PC	500	1	50	500	C	96.55	75.47	60.29
BT6LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 21.2"	50 PC	500	1	50	500	C	110.90	86.69	69.25
BT7LH-L	CABLE TIE, LIGHT-HEAVY, NAT 24.4"	50 PC	500	1	50	500	C	104.13	81.39	65.02
BT7LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 24.4"	50 PC	500	1	50	500	C	120.57	94.24	75.29
BT8LH-L	CABLE TIE, LIGHT-HEAVY, NAT 27.5"	50 PC	500	1	50	500	C	131.01	102.29	81.95
BT8LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 27.5"	50 PC	500	1	50	500	C	152.16	118.81	95.19
BT9LH-L	CABLE TIE, LIGHT-HEAVY, NAT 30.7"	50 PC	500	1	50	500	C	135.74	105.99	84.91
BT9LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 30.7"	50 PC	500	1	50	500	C	167.92	129.98	104.69
BW1.5I-D	CABLE TIE, WING INTERMEDIATE, NAT 6.1"	500 PC	5000	500			M	162.81		
BW1.5I-D30	CABLE TIE, WING INTERMEDIATE, HS BLK 6.1"	500 PC	5000	500			M	195.39		
CM4S-L2	CABLE MARKER STRAP, RED 15.25"	50 PC	500	50			M	764.69		
CM4S-L8	CABLE MARKER STRAP, GRY 15.25"	50 PC	500	50			M	764.69		
DHC1.12X1.75-D0	DOUBLE HOSE CLAMP TIE, WR BLK 11.0"	500 PC	2500	500			M	737.64		
DT4EH-L0	CABLE TIE, DURA, EX-HEAVY, WR BLK 13.5"	50 PC	1000	1	50	500	C	149.05	116.38	93.24
DT8EH-Q0	CABLE TIE, DURA, EX-HEAVY, WR BLK 27"	25 PC	500	1	25	250	C	275.83	215.37	172.55

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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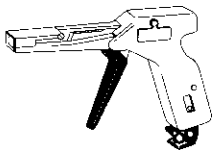
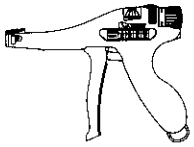
PANDUIT® Cable Ties and Installation Tooling



GS2B
Installation Tool



GTS
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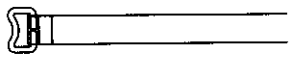

HLC
TAK-TY™ Cinch Ties

HLM/HLS
TAK-TY Roll Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities Qty 1	Qty 2	Qty 3	Price UOM	Suggested Trade Prices Price 1	Price 2	Price 3
DTHEH-Q0	CABLE TIE, DURA-TY HEADS	25 PC	500	1	25	250	C	$ 49.38	$ 38.56	$ 30.89
DTKEH-0	DURA-TY KIT - 25 DTHEH HEADS, 50' RL DTREH	1 KT	20	1	100	500	KT	105.21	81.44	65.59
DTREH-LR0	DURA-TY BANDING, EX-HEAVY, WR BLK, 50'	1 PC	20	1			RL	29.26		
GHH	CABLE TIE GUN TOOL HOLSTER	1 PC		1			PC	20.83		
GS2B	CABLE TIE TOOL, ADJ, M-S TIES	1 PC		1			PC	138.05		
GS2B-CR	CABLE TIE TOOL, ADJ, M-S TIES, MEDICAL	1 PC		1			PC	205.26		
GS2BL	CABLE TIE TOOL, ADJ, M-S TIES, SMALL HDL	1 PC		1			PC	140.51		
GS4EH	CABLE TIE TOOL, ADJ, H-EH TIES	1 PC		1			PC	329.77		
GS4H	CABLE TIE TOOL, ADJ, S-H TIES	1 PC		1			PC	268.71		
GS4H/B	CABLE TIE TOOL, ADJ, HIGH TENSION SLT	1 PC		1			PC	275.70		
GS4H121W	CABLE TIE TOOL, ADJ, HIGH TENSION	1 PC		1			PC	275.70		
GTS	CABLE TIE TOOL, ERGONOMIC, ADJ, M-S TIES	1 PC		1			PC	128.35		
HLC3S-X0	HOOK & LOOP TIE, CINCH, BLK 12.0"	10 PC	100	1	10	100	C	157.26	122.80	98.38
HLC5S-X0	HOOK & LOOP TIE, CINCH, BLK 18.0"	10 PC	100	1	10	100	C	192.70	150.46	120.55
HLM-15R0	HOOK & LOOP ROLL, .33 WIDE, BLK 15 FT	1 RL	10	1			RL	10.62		
HLM-15R2	HOOK & LOOP ROLL, .33 WIDE, RED 15 FT	1 RL	10	1			RL	10.62		
HLM-15R3	HOOK & LOOP ROLL, .33 WIDE, ORN 15 FT	1 RL	10	1			RL	10.62		
HLM-15R4	HOOK & LOOP ROLL, .33 WIDE, YEL 15 FT	1 RL	10	1			RL	10.62		
HLM-15R5	HOOK & LOOP ROLL, .33 WIDE, GRN 15 FT	1 RL	10	1			RL	10.62		
HLM-15R6	HOOK & LOOP ROLL, .33 WIDE, BLU 15 FT	1 RL	10	1			RL	10.62		
HLM-15R7	HOOK & LOOP ROLL, .33 WIDE, PUR 15 FT	1 RL	10	1			RL	10.62		
HLM-15R8	HOOK & LOOP ROLL, .33 WIDE, GRY 15 FT	1 RL	10	1			RL	10.62		
HLM-15R10	HOOK & LOOP ROLL, .33 WIDE, WHT 15 FT	1 RL	10	1			RL	10.62		
HLM-15R18	HOOK & LOOP ROLL, .33 WIDE, TAN 15 FT	1 RL	10	1			RL	10.62		
HLS-15R0	HOOK & LOOP ROLL, .75 WIDE, BLK 15 FT	1 RL	10	1			RL	14.57		
HLS-15R2	HOOK & LOOP ROLL, .75 WIDE, RED 15 FT	1 RL	10	1			RL	14.28		
HLS-15R3	HOOK & LOOP ROLL, .75 WIDE, ORN 15 FT	1 RL	10	1			RL	14.28		
HLS-15R4	HOOK & LOOP ROLL, .75 WIDE, YEL 15 FT	1 RL	10	1			RL	14.28		
HLS-15R5	HOOK & LOOP ROLL, .75 WIDE, GRN 15 FT	1 RL	10	1			RL	14.28		
HLS-15R6	HOOK & LOOP ROLL, .75 WIDE, BLU 15 FT	1 RL	10	1			RL	14.28		
HLS-15R7	HOOK & LOOP ROLL, .75 WIDE, PUR 15 FT	1 RL	10	1			RL	14.28		
HLS-15R8	HOOK & LOOP ROLL, .75 WIDE, GRY 15 FT	1 RL	10	1			RL	14.28		
HLS-15R10	HOOK & LOOP ROLL, .75 WIDE, WHT 15 FT	1 RL	10	1			RL	14.28		
HLS-15R18	HOOK & LOOP ROLL, .75 WIDE, TAN 15 FT	1 RL	10	1			RL	14.28		
HLS-75R0	HOOK & LOOP ROLL, .75 WIDE, BLK 75 FT	1 RL	10	1			RL	60.73		
HLS-75R2	HOOK & LOOP ROLL, .75 WIDE, RED 75 FT	1 RL	10	1			RL	60.73		
HLS-75R3	HOOK & LOOP ROLL, .75 WIDE, ORN 75 FT	1 RL	10	1			RL	60.73		
HLS-75R4	HOOK & LOOP ROLL, .75 WIDE, YEL 75 FT	1 RL	10	1			RL	60.73		
HLS-75R5	HOOK & LOOP ROLL, .75 WIDE, GRN 75 FT	1 RL	10	1			RL	60.73		
HLS-75R6	HOOK & LOOP ROLL, .75 WIDE, BLU 75 FT	1 RL	10	1			RL	60.73		
HLS-75R7	HOOK & LOOP ROLL, .75 WIDE, PUR 75 FT	1 RL	10	1			RL	60.73		
HLS-75R8	HOOK & LOOP ROLL, .75 WIDE, GRY 75 FT	1 RL	10	1			RL	60.73		
HLS-75R10	HOOK & LOOP ROLL, .75 WIDE, WHT 75 FT	1 RL	10	1			RL	60.73		
HLS-75R18	HOOK & LOOP ROLL, .75 WIDE, TAN 75 FT	1 RL	10	1			RL	60.73		
HLS1.5S-X0	HOOK & LOOP TIE, STRIP, BLK 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X2	HOOK & LOOP TIE, STRIP, RED 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X3	HOOK & LOOP TIE, STRIP, ORN 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X4	HOOK & LOOP TIE, STRIP, YEL 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X5	HOOK & LOOP TIE, STRIP, GRN 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X6	HOOK & LOOP TIE, STRIP, BLU 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X7	HOOK & LOOP TIE, STRIP, PUR 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X8	HOOK & LOOP TIE, STRIP, GRY 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X10	HOOK & LOOP TIE, STRIP, WHT 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS1.5S-X18	HOOK & LOOP TIE, STRIP, TAN 6.0"	10 PC	100	1	10	100	C	92.90	72.54	58.12
HLS3S-X0	HOOK & LOOP TIE, STRIP, BLK 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11

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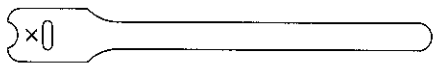
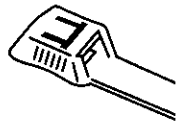
HLS
TAK-TY™ Cable Strip Ties



HLT
TAK-TY Cable Ties



ILT
BELT-TY™ Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HLS3S-X2	HOOK & LOOP TIE, STRIP, RED 12.0"	10 PC	100	1	10	100	C	$ 152.03	$ 118.71	$ 95.11
HLS3S-X3	HOOK & LOOP TIE, STRIP, ORN 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS3S-X4	HOOK & LOOP TIE, STRIP, YEL 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS3S-X5	HOOK & LOOP TIE, STRIP, GRN 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS3S-X6	HOOK & LOOP TIE, STRIP, BLU 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS3S-X7	HOOK & LOOP TIE, STRIP, PUR 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS3S-X8	HOOK & LOOP TIE, STRIP, GRY 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS3S-X10	HOOK & LOOP TIE, STRIP, WHT 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS3S-X18	HOOK & LOOP TIE, STRIP, TAN 12.0"	10 PC	100	1	10	100	C	152.03	118.71	95.11
HLS5S-X0	HOOK & LOOP TIE, STRIP, BLK 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X2	HOOK & LOOP TIE, STRIP, RED 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X3	HOOK & LOOP TIE, STRIP, ORN 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X4	HOOK & LOOP TIE, STRIP, YEL 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X5	HOOK & LOOP TIE, STRIP, GRN 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X6	HOOK & LOOP TIE, STRIP, BLU 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X7	HOOK & LOOP TIE, STRIP, PUR 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X8	HOOK & LOOP TIE, STRIP, GRY 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X10	HOOK & LOOP TIE, STRIP, WHT 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLS5S-X18	HOOK & LOOP TIE, STRIP, TAN 18.0"	10 PC	100	1	10	100	C	221.56	173.00	138.60
HLSP1.5S-X0	HOOK & LOOP TIE, PLENUM STRIP, BLK 6.0"	10 PC	100	1	10	100	C	112.76	88.05	70.54
HLSP3S-X0	HOOK & LOOP TIE, PLENUM STRIP, BLK 12.0"	10 PC	100	1	10	100	C	227.76	177.84	142.48
HLSP5S-X0	HOOK & LOOP TIE, PLENUM STRIP, BLK 18.0"	10 PC	100	1	10	100	C	284.70	222.30	178.10
HLT2I-X0	HOOK & LOOP TIE, LOOP, BLK 8.0"	10 PC	100	1	10	100	C	105.10	82.06	65.75
HLT2I-X2	HOOK & LOOP TIE, LOOP, RED 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X3	HOOK & LOOP TIE, LOOP, ORN 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X4	HOOK & LOOP TIE, LOOP, YEL 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X5	HOOK & LOOP TIE, LOOP, GRN 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X6	HOOK & LOOP TIE, LOOP, BLU 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X7	HOOK & LOOP TIE, LOOP, PUR 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X8	HOOK & LOOP TIE, LOOP, GRY 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X10	HOOK & LOOP TIE, LOOP, WHT 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT2I-X18	HOOK & LOOP TIE, LOOP, TAN 8.0"	10 PC	100	1	10	100	C	105.56	82.42	66.03
HLT3I-X0	HOOK & LOOP TIE, LOOP, BLK 12.0"	10 PC	100	1	10	100	C	136.55	106.62	85.42
HLT3I-X2	HOOK & LOOP TIE, LOOP, RED 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X3	HOOK & LOOP TIE, LOOP, ORN 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X4	HOOK & LOOP TIE, LOOP, YEL 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X5	HOOK & LOOP TIE, LOOP, GRN 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X6	HOOK & LOOP TIE, LOOP, BLU 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X7	HOOK & LOOP TIE, LOOP, PUR 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X8	HOOK & LOOP TIE, LOOP, GRY 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X10	HOOK & LOOP TIE, LOOP, WHT 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLT3I-X18	HOOK & LOOP TIE, LOOP, TAN 12.0"	10 PC	100	1	10	100	C	136.92	106.91	85.65
HLTP2I-X0	HOOK & LOOP TIE, PLENUM LOOP, BLK 8.0"	10 PC	100	1	10	100	C	130.61	101.98	81.71
HLTP3I-X0	HOOK & LOOP TIE, PLENUM LOOP, BLK 12.0"	10 PC	100	1	10	100	C	169.46	132.32	106.01
ILT1M-M	CABLE TIE, IN-LINE, MIN, NAT 4.8"	1000 PC	50000	1000			M	27.54		
ILT1M-M0	CABLE TIE, IN-LINE, MIN, WR BLK 4.8"	1000 PC	50000	1000			M	46.83		
ILT1M-M8	CABLE TIE, IN-LINE, MIN, GRY 4.8"	1000 PC	50000	1000			M	33.05		
ILT1.5I-M	CABLE TIE, IN-LINE, INT, NAT 5.4"	1000 PC	25000	1000			M	46.83		
ILT1.5I-M0	CABLE TIE, IN-LINE, INT, WR BLK 5.4"	1000 PC	25000	1000			M	62.84		
ILT1.5M-M	CABLE TIE, IN-LINE, MIN, NAT 6.3"	1000 PC	50000	1000			M	43.17		
ILT1.5M-M0	CABLE TIE, IN-LINE, MIN, WR BLK 6.3"	1000 PC	50000	1000			M	62.06		
ILT2M-M	CABLE TIE, IN-LINE, MIN, NAT 8.0"	1000 PC	25000	1000			M	44.88		
ILT2M-M0	CABLE TIE, IN-LINE, MIN, WR BLK 8.0"	1000 PC	25000	1000			M	63.81		
ILT2S-C	CABLE TIE, IN-LINE, STD, NAT 8.3"	100 PC	1000	1	100	1000	C	21.88	17.08	13.69
ILT2S-C0	CABLE TIE, IN-LINE, STD, WR BLK 8.3"	100 PC	1000	1	100	1000	C	24.29	18.96	15.19

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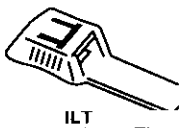
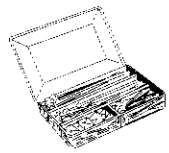
PANDUIT® Cable Ties and Installation Tooling



ILT
BELT-TY™ Cable Ties



KP-506A
Cable Tie and Accessory Kit

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
ILT3I-M	CABLE TIE, IN-LINE, INT, NAT 8.3"	1000 PC	10000	1000			M	$ 125.67	$	$
ILT3I-M0	CABLE TIE, IN-LINE, INT, WR BLK 8.3"	1000 PC	10000	1000			M	175.86		
ILT3S-C	CABLE TIE, IN-LINE, STD, NAT 11.5"	100 PC	1000	1	100	1000	C	44.17	34.49	27.63
ILT3S-C0	CABLE TIE, IN-LINE, STD, WR BLK 11.5"	100 PC	1000	1	100	1000	C	47.37	36.99	29.63
ILT4I-M	CABLE TIE, IN-LINE, INT, NAT 13.9"	1000 PC	10000	1000			M	186.33		
ILT4I-M0	CABLE TIE, IN-LINE, INT, WR BLK 13.9"	1000 PC	10000	1000			M	253.75		
ILT4LH-TL	CABLE TIE, IN-LINE, LT-HEAVY, NAT 14.8"	250 PC	2500	250			M	382.25		
ILT4LH-TL0	CABLE TIE, IN-LINE, LT-HEAVY, WR BLK 14.8"	250 PC	2500	250			M	438.81		
ILT4S-C	CABLE TIE, IN-LINE, STD, NAT 14.7"	100 PC	1000	1	100	1000	C	50.26	39.24	31.44
ILT4S-C0	CABLE TIE, IN-LINE, STD, WR BLK 14.7"	100 PC	1000	1	100	1000	C	51.71	40.37	32.35
ILT6LH-C	CABLE TIE, IN-LINE, LT-HEAVY, NAT 21.2"	100 PC	2000	100			M	581.26		
ILT6LH-C0	CABLE TIE, IN-LINE, LT-HEAVY, WR BLK 21.2"	100 PC	2000	100			M	708.20		
IT940-C0	CABLE TIE, IN-LINE, HEAVY, UV BLK 6.8"	100 PC	1000	100			M	319.45		
IT965-C0	CABLE TIE, IN-LINE, HEAVY, UV BLK 10.1"	100 PC	1000	100			M	372.78		
IT9100-C0	CABLE TIE, IN-LINE, HEAVY, UV BLK 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV2	CABLE TIE, IN-LINE, HEAVY, UV RED 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV4	CABLE TIE, IN-LINE, HEAVY, UV YEL 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV4A	CABLE TIE, IN-LINE, HEAVY, UV BUT 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV5A	CABLE TIE, IN-LINE, HEAVY, UV GRN 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV5B	CABLE TIE, IN-LINE, HEAVY, UV HUNT 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV6	CABLE TIE, IN-LINE, HEAVY, UV DBLU 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV6A	CABLE TIE, IN-LINE, HEAVY, UV LBLU 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV6B	CABLE TIE, IN-LINE, HEAVY, UV CBLU 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV7A	CABLE TIE, IN-LINE, HEAVY, UV PUR 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV8	CABLE TIE, IN-LINE, HEAVY, UV SIL 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV11	CABLE TIE, IN-LINE, HEAVY, UV TEAL 14.1"	100 PC	1000	100			M	437.82		
IT9100-CUV16B	CABLE TIE, IN-LINE, HEAVY, UV PINK 14.1"	100 PC	1000	100			M	437.82		
IT9115-C0	CABLE TIE, IN-LINE, HEAVY, UV BLK 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV2	CABLE TIE, IN-LINE, HEAVY, UV RED 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV4	CABLE TIE, IN-LINE, HEAVY, UV YEL 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV4A	CABLE TIE, IN-LINE, HEAVY, UV BUT 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV5A	CABLE TIE, IN-LINE, HEAVY, UV GRN 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV5B	CABLE TIE, IN-LINE, HEAVY, UV HUNT 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV6	CABLE TIE, IN-LINE, HEAVY, UV DBLU 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV6A	CABLE TIE, IN-LINE, HEAVY, UV LBLU 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV6B	CABLE TIE, IN-LINE, HEAVY, UV CBLU 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV7A	CABLE TIE, IN-LINE, HEAVY, UV PUR 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV8	CABLE TIE, IN-LINE, HEAVY, UV SIL 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV11	CABLE TIE, IN-LINE, HEAVY, UV TEAL 15.4"	100 PC	1000	100			M	547.91		
IT9115-CUV16B	CABLE TIE, IN-LINE, HEAVY, UV PINK 15.4"	100 PC	1000	100			M	547.91		
IT9150-C0	CABLE TIE, IN-LINE, HEAVY, UV BLK 20.4"	100 PC	1000	100			M	804.78		
IT9250-C0	CABLE TIE, IN-LINE, HEAVY, UV BLK 33.0"	100 PC	1000	100			M	1135.67		
K-205	CABLE TIES & TERMINALS KIT IN STEEL BOX	1 KT		1			KT	349.73		
K-504	CABLES TIES & ACC KIT IN STEEL BOX	1 KT	1	1			KT	206.32		
K2-BLD2	BLADE REP KIT FOR GS2B/BL/BW/B-CR & PPTS	1 KT		1			KT	24.05		
K4EH-BLD	BLADE REP KIT FOR GS4EH	1 PC		1			PC	35.80		
K4H-BLD	BLADE REP KIT FOR GS4H	1 KT		1			KT	23.37		
KB-550	CABLE TIE ASSORTMENT PACK, PLT TIES	1 KT	10	1			KT	15.57		
KB-551	CABLE TIE ASSORTMENT PACK, BT TIES	1 KT	10	1			KT	15.57		
KGTSBLD	BLADE REP KIT FOR GTS TOOL	1 PC		1			PC	23.48		
KGTSTL	LOCKING KIT FOR GTS TOOL	1 PC		1			PC	8.93		
KP-506A	CABLE TIE CONVENIENCE KIT, NAT	1 KT		1			KT	58.20		
KP-506A-0	CABLE TIE CONVENIENCE KIT, WR BLK	1 KT		1			KT	65.21		
KPTSG	GRIPPER REPLACEMENT KIT FOR PPTS	1 PC		1			PC	101.94		
PFX-0	MARKING PEN, FINE TIP, BLK	12 PC	144	1	12	48	PC	8.58	6.70	5.37

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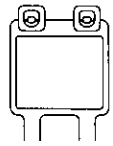
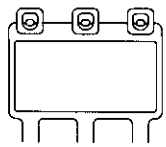


PL2M2S
Marker Tie



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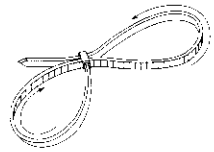
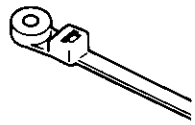


PLB
Double Loop Cable Ties



PLC
Clamp Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PFX-0-1	MARKING PEN, FINE TIP, BLK, IND PKG	1 PC	10	1	10	50	PC	$ 10.52	$ 8.14	$ 6.56
PFX-2	MARKING PEN, FINE TIP, RED	12 PC	144	1	12	48	PC	8.58	6.70	5.37
PFX-2-1	MARKING PEN, FINE TIP, RED, IND PKG	1 PC	10	1	10	50	PC	10.52	8.14	6.56
PL2M2S-D00	MARKER TIE, STANDARD, WR BLK 7.4"	500 PC	2500	500			M	916.09		
PL2M2S-D4	MARKER TIE, STANDARD, YEL 7.4"	500 PC	2500	500			M	902.42		
PL2M2S-D10	MARKER TIE, STANDARD, WHT 7.4"	500 PC	2500	500			M	902.42		
PL2M2S-L	MARKER TIE, STANDARD, NAT 7.4"	50 PC	500	1	50	500	C	146.38	114.42	91.41
PL2M2S-L0	MARKER TIE, STANDARD, WR BLK 7.4"	50 PC	500	1	50	500	C	176.31	136.47	109.92
PL3B5EH-C0	CABLE TIE, TRIPLE LOOP, EX-HEAVY 20"	100 PC	1000	100			M	1597.90		
PL3M2S-D00	MARKER TIE, STANDARD, WR BLK 7.4"	500 PC	2500	500			M	1404.90		
PL3M2S-D4	MARKER TIE, STANDARD, YEL 7.4"	500 PC	2500	500			M	1481.47		
PL3M2S-D5	MARKER TIE, STANDARD, GRN 7.4"	500 PC	2500	500			M	1481.47		
PL3M2S-L	MARKER TIE, STANDARD, NAT 7.4"	50 PC	500	1	50	500	C	192.47	150.45	120.19
PL3M2S-L0	MARKER TIE, STANDARD, WR BLK 7.4"	50 PC	500	1	50	500	C	249.87	193.42	155.78
PLA2S-A-Q	ADH MOUNT/CABLE TIE COMBO, 7.3 LOCK TIE	25 PC	250	1	25	250	C	145.12	113.43	90.62
PLB2S-C	DOUBLE LOOP TIE, STANDARD, NAT 7.6"	100 PC	1000	1	100	1000	C	42.00	32.83	26.23
PLB2S-C0	DOUBLE LOOP TIE, STANDARD, WR BLK 7.6"	100 PC	1000	1	100	1000	C	45.36	35.46	28.33
PLB2S-M30	DOUBLE LOOP TIE, STANDARD, HS BLK 7.6"	1000 PC	10000	1000			M	198.32		
PLB3S-C	DOUBLE LOOP TIE, STANDARD, NAT 11.8"	100 PC	1000	1	100	1000	C	46.92	36.68	29.30
PLB3S-C0	DOUBLE LOOP TIE, STANDARD, WR BLK 11.8"	100 PC	1000	1	100	1000	C	47.84	37.39	29.87
PLB3S-M30	DOUBLE LOOP TIE, STANDARD, HS BLK 11.8"	1000 PC	10000	1000			M	236.99		
PLB4H-TL	DOUBLE LOOP TIE, HEAVY, NAT 14.8"	250 PC	2500	250			M	477.75		
PLB4H-TL0	DOUBLE LOOP TIE, HEAVY, WR BLK 14.8"	250 PC	2500	250			M	549.41		
PLB4H-TL30	DOUBLE LOOP TIE, HEAVY, HS BLK 14.8"	250 PC	2500	250			M	576.88		
PLB4S-C	DOUBLE LOOP TIE, STANDARD, NAT 14.8"	100 PC	1000	1	100	1000	C	57.39	44.86	35.84
PLB4S-M0	DOUBLE LOOP TIE, STANDARD, WR BLK 14.8"	1000 PC	5000	1000			M	247.96		
PLB4S-M30	DOUBLE LOOP TIE, STANDARD, HS BLK 14.8"	1000 PC	5000	1000			M	254.73		
PLC1M-S4-C	CLAMP TIE, MIN, #4 SCREW, NAT 4.3"	100 PC	1000	1	100	1000	C	26.93	21.05	16.82
PLC1M-S4-C0	CLAMP TIE, MIN, #4 SCREW, WR BLK 4.3"	100 PC	1000	1	100	1000	C	36.40	28.18	22.69
PLC1M-S4-M30	CLAMP TIE, MIN, #4 SCREW, HS BLK 4.3"	1000 PC	50000	1000			M	181.94		
PLC1.5I-S8-C	CLAMP TIE, INT, #8 SCREW, NAT 6.1"	100 PC	1000	1	100	1000	C	27.37	21.39	17.09
PLC1.5I-S8-C0	CLAMP TIE, INT, #8 SCREW, WR BLK 6.1"	100 PC	1000	1	100	1000	C	34.22	26.49	21.34
PLC1.5I-S8-M8	CLAMP TIE, INT, #8 SCREW, GRY 6.1"	1000 PC	25000	1000			M	191.79		
PLC1.5I-S8-M30	CLAMP TIE, INT, #8 SCREW, HS BLK 6.1"	1000 PC	25000	1000			M	191.79		
PLC2H-S25-L	CLAMP TIE, HEAVY, #25 SCREW, NAT 9.0"	50 PC	500	1	50	500	C	74.46	58.14	46.58
PLC2H-S25-TL30	CLAMP TIE, HEAVY, #25 SCREW, HS BLK 9.0"	250 PC	2500	250			M	487.93		
PLC2S-S6-C	CLAMP TIE, STD, #6 SCREW, NAT 7.9"	100 PC	1000	1	100	1000	C	29.41	22.97	18.40
PLC2S-S6-C0	CLAMP TIE, STD, #6 SCREW, WR BLK 7.9"	100 PC	1000	1	100	1000	C	37.03	28.94	23.12
PLC2S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 7.9"	100 PC	1000	1	100	1000	C	29.48	23.02	18.44
PLC2S-S10-C0	CLAMP TIE, STD, #10 SCREW, WR BLK 7.9"	100 PC	1000	1	100	1000	C	37.03	28.94	23.12
PLC2S-S10-C14	CLAMP TIE, STD, #10 SCREW, TEL GRY 7.9"	100 PC	1000	1	100	1000	C	36.85	28.80	23.01
PLC2S-S10-M20	CLAMP TIE, STD, #10 SCREW, BLK 7.9"	1000 PC	10000	1000			M	188.13		
PLC2S-S10-M30	CLAMP TIE, STD, #10 SCREW, HS BLK 7.9"	1000 PC	10000	1000			M	188.13		
PLC2S-S10-M69	CLAMP TIE, STD, #10 SCREW, FL RET IVY 7.9"	1000 PC	10000	1000			M	440.45		
PLC3S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 12.0"	100 PC	1000	1	100	1000	C	68.11	53.18	42.61
PLC3S-S10-C0	CLAMP TIE, STD, #10 SCREW, WR BLK 12.0"	100 PC	1000	1	100	1000	C	78.93	61.63	49.37
PLC4H-S25-L	CLAMP TIE, HEAVY, #25 SCREW, NAT 15.1"	50 PC	500	1	50	500	C	87.34	68.19	54.64
PLC4H-S25-L0	CLAMP TIE, HEAVY, #25 SCREW, WR BLK 15.1"	50 PC	500	1	50	500	C	127.14	99.38	79.39
PLC4H-S25-TL30	CLAMP TIE, HEAVY, #25 SCREW, HS BLK 15.1"	250 PC	2500	250			M	654.92		
PLC4S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 15.0"	100 PC	1000	1	100	1000	C	74.79	58.40	46.79
PLC4S-S10-C0	CLAMP TIE, STD, #10 SCREW, WR BLK 15.0"	100 PC	1000	1	100	1000	C	86.51	67.55	54.12
PLC4S-S10-M30	CLAMP TIE, STD, #10 SCREW, HS BLK 15.0"	1000 PC	5000	1000			M	391.74		
PLF1M-C	MARKER TIE, FLAG, MIN, NAT 4.3"	100 PC	1000	1	100	1000	C	28.34	22.13	17.73
PLF1M-C0	MARKER TIE, FLAG, MIN, WR BLK 4.3"	100 PC	1000	1	100	1000	C	39.07	30.54	24.40
PLF1M-C3	MARKER TIE, FLAG, MIN, ORN 4.3"	100 PC	1000	1	100	1000	C	35.56	27.80	22.21

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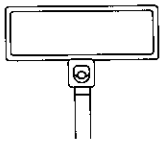
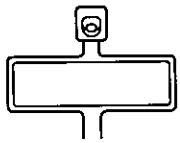
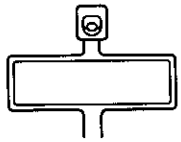
PLF1MA
Marker Tie



PLF1MB
Marker Tie



PLM1M
Marker Tie



PLM2M
Marker Tie

PLM2S
Marker Tie

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLF1M-C4	MARKER TIE, FLAG, MIN, YEL 4.3"	100 PC	1000	1	100	1000	C	$ 35.56	$ 27.80	$ 22.21
PLF1M-C10	MARKER TIE, FLAG, MIN, WHT 4.3"	100 PC	1000	1	100	1000	C	35.56	27.80	22.21
PLF1M-M2	MARKER TIE, FLAG, MIN, RED 4.3"	1000 PC	25000	1000			M	157.65		
PLF1M-M5	MARKER TIE, FLAG, MIN, GRN 4.3"	1000 PC	25000	1000			M	157.65		
PLF1M-M6	MARKER TIE, FLAG, MIN, BLU 4.3"	1000 PC	25000	1000			M	157.65		
PLF1M-M69	MARKER TIE, FLAG, MIN, FL RET IVY 4.3"	1000 PC	25000	1000			M	319.07		
PLF1MA-C	MARKER TIE, FLAG, MIN, NAT 5.1"	100 PC	1000	1	100	1000	C	48.11	37.24	29.99
PLF1MA-C0	MARKER TIE, FLAG, MIN, WR BLK 5.1"	100 PC	1000	1	100	1000	C	55.26	42.77	34.45
PLF1MA-C3	MARKER TIE, FLAG, MIN, ORN 5.1"	100 PC	1000	1	100	1000	C	57.69	44.66	35.97
PLF1MA-C4	MARKER TIE, FLAG, MIN, YEL 5.1"	100 PC	1000	1	100	1000	C	57.69	44.66	35.97
PLF1MA-C10	MARKER TIE, FLAG, MIN, WHT 5.1"	100 PC	1000	1	100	1000	C	57.69	44.66	35.97
PLF1MA-M2	MARKER TIE, FLAG, MIN, RED 5.1"	1000 PC	10000	1000			M	278.89		
PLF1MA-M5	MARKER TIE, FLAG, MIN, GRN 5.1"	1000 PC	10000	1000			M	278.89		
PLF1MA-M6	MARKER TIE, FLAG, MIN, BLU 5.1"	1000 PC	10000	1000			M	278.89		
PLF1MB-C	MARKER TIE, FLAG, MIN, NAT 4.0"	100 PC	1000	1	100	1000	C	48.11	37.24	29.99
PLM1M-C	MARKER TIE, MIN, NAT 3.9"	100 PC	1000	1	100	1000	C	29.43	22.98	18.41
PLM1M-C0	MARKER TIE, MIN, WR BLK 3.9"	100 PC	1000	1	100	1000	C	40.60	31.74	25.35
PLM1M-C3	MARKER TIE, MIN, ORN 3.9"	100 PC	1000	1	100	1000	C	36.94	28.87	23.07
PLM1M-C4	MARKER TIE, MIN, YEL 3.9"	100 PC	1000	1	100	1000	C	36.94	28.87	23.07
PLM1M-C10	MARKER TIE, MIN, WHT 3.9"	100 PC	1000	1	100	1000	C	36.94	28.87	23.07
PLM1M-M1	MARKER TIE, MIN, BRN 3.9"	1000 PC	25000	1000			M	157.65		
PLM1M-M2	MARKER TIE, MIN, RED 3.9"	1000 PC	25000	1000			M	157.65		
PLM1M-M5	MARKER TIE, MIN, GRN 3.9"	1000 PC	25000	1000			M	157.65		
PLM1M-M6	MARKER TIE, MIN, BLU 3.9"	1000 PC	25000	1000			M	157.65		
PLM1M-M7	MARKER TIE, MIN, PUR 3.9"	1000 PC	25000	1000			M	157.65		
PLM1M-M8	MARKER TIE, MIN, GRY 3.9"	1000 PC	25000	1000			M	345.17		
PLM1M-M69	MARKER TIE, MIN, FL RET IVY 3.9"	1000 PC	25000	1000			M	283.34		
PLM2M-C	MARKER TIE, MIN, NAT 8.0"	100 PC	1000	1	100	1000	C	42.14	32.94	26.31
PLM2M-M0	MARKER TIE, MIN, WR BLK 8.0"	1000 PC	25000	1000			M	271.86		
PLM2M-M2	MARKER TIE, MIN, RED 8.0"	1000 PC	25000	1000			M	271.86		
PLM2M-M3	MARKER TIE, MIN, ORN 8.0"	1000 PC	25000	1000			M	271.86		
PLM2M-M4	MARKER TIE, MIN, YEL 8.0"	1000 PC	25000	1000			M	271.86		
PLM2M-M5	MARKER TIE, MIN, GRN 8.0"	1000 PC	25000	1000			M	271.86		
PLM2M-M6	MARKER TIE, MIN, BLU 8.0"	1000 PC	25000	1000			M	271.86		
PLM2S-C	MARKER TIE, STANDARD, NAT 7.4"	100 PC	1000	1	100	1000	C	55.67	43.47	34.83
PLM2S-C0	MARKER TIE, STANDARD, WR BLK 7.4"	100 PC	1000	1	100	1000	C	73.30	57.30	45.77
PLM2S-C4	MARKER TIE, STANDARD, YEL 7.4"	100 PC	1000	1	100	1000	C	69.85	54.60	43.62
PLM2S-D2	MARKER TIE, STANDARD, RED 7.4"	500 PC	10000	500			M	294.36		
PLM2S-D3	MARKER TIE, STANDARD, ORN 7.4"	500 PC	10000	500			M	294.36		
PLM2S-D5	MARKER TIE, STANDARD, GRN 7.4"	500 PC	10000	500			M	294.36		
PLM2S-D6	MARKER TIE, STANDARD, BLU 7.4"	500 PC	10000	500			M	294.36		
PLM2S-D7	MARKER TIE, STANDARD, PUR 7.4"	500 PC	10000	500			M	294.36		
PLM2S-D8	MARKER TIE, STANDARD, GRY 7.4"	500 PC	10000	500			M	294.36		
PLM2S-D10	MARKER TIE, STANDARD, WHT 7.4"	500 PC	10000	500			M	294.36		
PLM2S-D30	MARKER TIE, STANDARD, HS BLK 7.4"	500 PC	10000	500			M	294.36		
PLM4S-C	MARKER TIE, STANDARD, NAT 14.6"	100 PC	1000	1	100	1000	C	79.07	61.81	49.38
PLM4S-C0	MARKER TIE, STANDARD, WR BLK 14.6"	100 PC	1000	1	100	1000	C	105.52	81.68	65.78
PLM4S-D2	MARKER TIE, STANDARD, RED 14.6"	500 PC	5000	500			M	531.57		
PLM4S-D3	MARKER TIE, STANDARD, ORN 14.6"	500 PC	5000	500			M	531.57		
PLM4S-D4	MARKER TIE, STANDARD, YEL 14.6"	500 PC	5000	500			M	531.57		
PLM4S-D5	MARKER TIE, STANDARD, GRN 14.6"	500 PC	5000	500			M	531.57		
PLM4S-D6	MARKER TIE, STANDARD, BLU 14.6"	500 PC	5000	500			M	531.57		
PLP1S-C	PUSH MOUNT TIE, STANDARD, NAT 5.3"	100 PC	1000	1	100	1000	C	30.69	23.75	19.13
PLP1S-C0	PUSH MOUNT TIE, STANDARD, WR BLK 5.3"	100 PC	1000	1	100	1000	C	35.35	27.36	22.04
PLP1S-M30	PUSH MOUNT TIE, STANDARD, HS BLK 5.3"	1000 PC	10000	1000			M	189.21		

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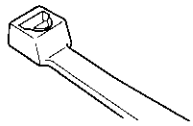

PLT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLP1.5I-C	PUSH MOUNT TIE, INTERMEDIATE, NAT 6.1"	100 PC	1000	1	100	1000	C	$ 29.27	$ 22.88	$ 18.28
PLP1.5I-M0	PUSH MOUNT TIE, INTERMEDIATE, WR BLK 6.1"	1000 PC	25000	1000			M	164.93		
PLP1.5I-M30	PUSH MOUNT TIE, INTERMEDIATE, HS BLK 6.1"	1000 PC	25000	1000			M	162.61		
PLP1.5S-M	PUSH MOUNT TIE, STANDARD, NAT 6.7"	1000 PC	10000	1000			M	159.52		
PLP2S-C	PUSH MOUNT TIE, STANDARD, NAT 7.9"	100 PC	1000	1	100	1000	C	33.89	26.49	21.16
PLP2S-C0	PUSH MOUNT TIE, STANDARD, WR BLK 7.9"	100 PC	1000	1	100	1000	C	40.85	31.62	25.46
PLP2S-M30	PUSH MOUNT TIE, STANDARD, HS BLK 7.9"	1000 PC	10000	1000			M	193.73		
PLST4HS25-TL300	STUD MT TIE, HEAVY, HS WR BLK 15.3"	250 PC	2500	250			M	695.42		
PLST30SC-D30	STUD MT TIE, CENTER, STANDARD, HS BLK 5.7"	500 PC	5000	500			M	210.96		
PLST50SC-D30	STUD MT TIE, CENTER, STANDARD, HS BLK 8.1"	500 PC	5000	500			M	243.60		
PLT.6SM-C	CABLE TIE, SUB-MINIATURE, NAT 2.8"	100 PC	1000	1	100	1000	C	11.56	9.03	7.23
PLT.6SM-C0	CABLE TIE, SUB-MINIATURE, WR BLK 2.8"	100 PC	1000	1	100	1000	C	15.89	12.30	9.91
PLT.6SM-M30	CABLE TIE, SUB-MINIATURE, HS BLK 2.8"	1000 PC	50000	1000			M	35.52		
PLT.7M-C	CABLE TIE, MINIATURE, NAT 3.1"	100 PC	1000	1	100	1000	C	12.09	9.45	7.55
PLT.7M-M30	CABLE TIE, MINIATURE, HS BLK 3.1"	1000 PC	50000	1000			M	33.82		
PLT1M-C	CABLE TIE, MINIATURE, NAT 3.9"	100 PC	1000	1	100	1000	C	12.99	10.14	8.12
PLT1M-C0	CABLE TIE, MINIATURE, WR BLK 3.9"	100 PC	1000	1	100	1000	C	16.88	13.18	10.56
PLT1M-C00	CABLE TIE, MINIATURE, WR BLK 3.9"	100 PC	1000	1	100	1000	C	20.46	15.84	12.75
PLT1M-C1	CABLE TIE, MINIATURE, BRN 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C2	CABLE TIE, MINIATURE, RED 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C3	CABLE TIE, MINIATURE, ORN 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C4	CABLE TIE, MINIATURE, YEL 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C5	CABLE TIE, MINIATURE, GRN 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C6	CABLE TIE, MINIATURE, BLU 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C7	CABLE TIE, MINIATURE, PUR 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C8	CABLE TIE, MINIATURE, GRY 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C10	CABLE TIE, MINIATURE, WHT 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C14	CABLE TIE, MINIATURE, TEL GRY 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C30	CABLE TIE, MINIATURE, HS BLK 3.9"	100 PC	1000	1	100	1000	C	17.11	13.25	10.67
PLT1M-C76	CABLE TIE, MINIATURE, TEFZEL* BLU 4.0"	100 PC	1000	1	100	1000	C	84.52	66.07	52.78
PLT1M-C702	CABLE TIE, MINIATURE, HALAR* MRN 4.0"	100 PC	1000	1	100	1000	C	80.97	62.68	50.48
PLT1M-M20	CABLE TIE, MINIATURE, BLK 3.9"	1000 PC	50000	1000			M	33.47		
PLT1M-M53	CABLE TIE, MINIATURE, FL ORN 3.9"	1000 PC	50000	1000			M	35.45		
PLT1M-M54	CABLE TIE, MINIATURE, FL YEL 3.9"	1000 PC	50000	1000			M	35.45		
PLT1M-M55	CABLE TIE, MINIATURE, FL GRN 3.9"	1000 PC	50000	1000			M	35.45		
PLT1M-M59	CABLE TIE, MINIATURE, FL PNK 3.9"	1000 PC	50000	1000			M	35.45		
PLT1M-M60	CABLE TIE, MINIATURE, FL RET BLK 3.9"	1000 PC	25000	1000			M	94.60		
PLT1M-M69	CABLE TIE, MINIATURE, FL RET NAT 3.9"	1000 PC	25000	1000			M	86.09		
PLT1M-M100	CABLE TIE, MINIATURE, WR POLY BLK 3.9"	1000 PC	50000	1000			M	53.44		
PLT1M-M109	CABLE TIE, MINIATURE, POLY GRN 3.9"	1000 PC	50000	1000			M	53.44		
PLT1M-M209	CABLE TIE, MINIATURE, NAT 3.9"	1000 PC	50000	1000			M	37.51		
PLT1M-M300	CABLE TIE, MINIATURE, HS WR BLK 3.9"	1000 PC	50000	1000			M	48.26		
PLT1S-C	CABLE TIE, STANDARD, NAT 4.8"	100 PC	1000	1	100	1000	C	19.51	15.25	12.18
PLT1S-C0	CABLE TIE, STANDARD, WR BLK 4.8"	100 PC	1000	1	100	1000	C	22.56	17.46	14.07
PLT1S-M30	CABLE TIE, STANDARD, HS BLK 4.8"	1000 PC	10000	1000			M	70.82		
PLT1S-M38	CABLE TIE, STANDARD, HS BRN 4.8"	1000 PC	10000	1000			M	77.89		
PLT1S-M300	CABLE TIE, STANDARD, HS WR BLK 4.8"	1000 PC	10000	1000			M	81.41		
PLT1.5I-C	CABLE TIE, INTERMEDIATE, NAT 5.6"	100 PC	1000	1	100	1000	C	15.05	11.75	9.41
PLT1.5I-C0	CABLE TIE, INTERMEDIATE, WR BLK 5.6"	100 PC	1000	1	100	1000	C	18.51	14.45	11.58
PLT1.5I-C00	CABLE TIE, INTERMEDIATE, WR BLK 5.6"	100 PC	1000	1	100	1000	C	22.44	17.37	13.99
PLT1.5I-C1	CABLE TIE, INTERMEDIATE, BRN 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C2	CABLE TIE, INTERMEDIATE, RED 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C3	CABLE TIE, INTERMEDIATE, ORN 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C4	CABLE TIE, INTERMEDIATE, YEL 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C5	CABLE TIE, INTERMEDIATE, GRN 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29

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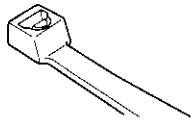

PLT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLT1.5I-C6	CABLE TIE, INTERMEDIATE, BLU 5.6"	100 PC	1000	1	100	1000	C	$ 19.72	$ 15.26	$ 12.29
PLT1.5I-C7	CABLE TIE, INTERMEDIATE, PUR 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C8	CABLE TIE, INTERMEDIATE, GRY 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C10	CABLE TIE, INTERMEDIATE, WHT 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C14	CABLE TIE, INTERMEDIATE, TEL GRY 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C20	CABLE TIE, INTERMEDIATE, BLK 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-C30	CABLE TIE, INTERMEDIATE, HS BLK 5.6"	100 PC	1000	1	100	1000	C	19.72	15.26	12.29
PLT1.5I-M4	CABLE TIE, INTERMEDIATE, YEL 5.6"	1000 PC	25000	1000			M	53.30		
PLT1.5I-M32	CABLE TIE, INTERMEDIATE, HS RED 5.6"	1000 PC	25000	1000			M	67.02		
PLT1.5I-M69	CABLE TIE, INTERMEDIATE, FL RET NAT 5.6"	1000 PC	25000	1000			M	115.73		
PLT1.5I-M100	CABLE TIE, INTERMEDIATE, WR PLY BLK 5.6"	1000 PC	25000	1000			M	76.11		
PLT1.5I-M109	CABLE TIE, INTERMEDIATE, POLY GRN 5.6"	1000 PC	25000	1000			M	77.58		
PLT1.5I-M120	CABLE TIE, INTERMEDIATE, WR 12 BLK 5.6"	1000 PC	25000	1000			M	95.13		
PLT1.5I-M300	CABLE TIE, INTERMEDIATE, HS WR BLK 5.6"	1000 PC	25000	1000			M	68.26		
PLT1.5M-C	CABLE TIE, MINIATURE, NAT 5.6"	100 PC	1000	1	100	1000	C	15.79	12.33	9.88
PLT1.5M-C0	CABLE TIE, MINIATURE, WR BLK 5.6"	100 PC	1000	1	100	1000	C	18.37	14.35	11.49
PLT1.5M-M00	CABLE TIE, MINIATURE, WR BLK 5.6"	1000 PC	50000	1000			M	62.92		
PLT1.5M-M1	CABLE TIE, MINIATURE, BRN 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M2	CABLE TIE, MINIATURE, RED 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M3	CABLE TIE, MINIATURE, ORN 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M4	CABLE TIE, MINIATURE, YEL 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M5	CABLE TIE, MINIATURE, GRN 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M6	CABLE TIE, MINIATURE, BLU 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M7	CABLE TIE, MINIATURE, PUR 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M8	CABLE TIE, MINIATURE, GRY 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M10	CABLE TIE, MINIATURE, WHT 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M14	CABLE TIE, MINIATURE, TEL GRY 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M20	CABLE TIE, MINIATURE, BLK 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5M-M30	CABLE TIE, MINIATURE, HS BLK 5.6"	1000 PC	50000	1000			M	48.77		
PLT1.5S-C	CABLE TIE, STANDARD, NAT 6.3"	100 PC	1000	1	100	1000	C	18.75	14.64	11.73
PLT1.5S-C0	CABLE TIE, STANDARD, WR BLK 6.3"	100 PC	1000	1	100	1000	C	21.00	16.40	13.14
PLT1.5S-M30	CABLE TIE, STANDARD, HS BLK 6.3"	1000 PC	10000	1000			M	71.41		
PLT2EH-C	CABLE TIE, EXTRA-HEAVY, NAT 9.0"	100 PC	1000	100			M	602.28		
PLT2EH-Q0	CABLE TIE, EXTRA-HEAVY, NAT 9.0"	25 PC	250	1	25	250	C	128.72	100.62	80.38
PLT2H-L	CABLE TIE, HEAVY, NAT 8.4"	50 PC	500	1	50	500	C	46.21	36.12	28.86
PLT2H-L0	CABLE TIE, HEAVY, WR BLK 8.4"	50 PC	500	1	50	500	C	50.59	39.54	31.59
PLT2H-TL2	CABLE TIE, HEAVY, RED 8.4"	250 PC	2500	250			M	319.43		
PLT2H-TL4	CABLE TIE, HEAVY, YEL 8.4"	250 PC	2500	250			M	319.43		
PLT2H-TL5	CABLE TIE, HEAVY, GRN 8.4"	250 PC	2500	250			M	319.43		
PLT2H-TL6	CABLE TIE, HEAVY, BLU 8.4"	250 PC	2500	250			M	319.43		
PLT2H-TL30	CABLE TIE, HEAVY, HS BLK 8.4"	250 PC	2500	250			M	319.43		
PLT2H-TL100	CABLE TIE, HEAVY, WR POLY BLK 8.4"	250 PC	2500	250			M	408.44		
PLT2H-TL109	CABLE TIE, HEAVY, POLY GRN 8.4"	250 PC	2500	250			M	408.44		
PLT2H-TL300	CABLE TIE, HEAVY, HS WR BLK 8.4"	250 PC	2500	250			M	354.79		
PLT2I-C	CABLE TIE, INTERMEDIATE, NAT 8.0"	100 PC	1000	1	100	1000	C	22.47	17.54	14.06
PLT2I-C0	CABLE TIE, INTERMEDIATE, WR BLK 8.0"	100 PC	1000	1	100	1000	C	27.02	21.10	16.91
PLT2I-C6	CABLE TIE, INTERMEDIATE, BLU 8.0"	100 PC	1000	1	100	1000	C	27.04	21.14	16.89
PLT2I-C14	CABLE TIE, INTERMEDIATE, TEL GRY 8.0"	100 PC	1000	1	100	1000	C	27.04	21.14	16.89
PLT2I-C30	CABLE TIE, INTERMEDIATE, HS BLK 8.0"	100 PC	1000	1	100	1000	C	27.04	21.14	16.89
PLT2I-C76	CABLE TIE, INTERMEDIATE, TEFZEL* BLU 8.0"	100 PC	1000	1	100	1000	C	160.90	125.77	100.47
PLT2I-M1	CABLE TIE, INTERMEDIATE, BRN 8.0"	1000 PC	25000	1000			M	64.32		
PLT2I-M2	CABLE TIE, INTERMEDIATE, RED 8.0"	1000 PC	25000	1000			M	64.32		
PLT2I-M3	CABLE TIE, INTERMEDIATE, ORN 8.0"	1000 PC	25000	1000			M	64.32		
PLT2I-M4	CABLE TIE, INTERMEDIATE, YEL 8.0"	1000 PC	25000	1000			M	64.32		
PLT2I-M5	CABLE TIE, INTERMEDIATE, GRN 8.0"	1000 PC	25000	1000			M	64.32		

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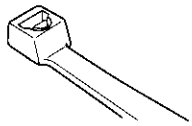

PLT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLT2I-M7	CABLE TIE, INTERMEDIATE, PUR 8.0"	1000 PC	25000	1000			M	$ 64.32	$	$
PLT2I-M8	CABLE TIE, INTERMEDIATE, GRY 8.0"	1000 PC	25000	1000			M	64.32		
PLT2I-M10	CABLE TIE, INTERMEDIATE, WHT 8.0"	1000 PC	25000	1000			M	64.32		
PLT2I-M20	CABLE TIE, INTERMEDIATE, BLK 8.0"	1000 PC	25000	1000			M	64.32		
PLT2I-M53	CABLE TIE, INTERMEDIATE, FL ORN 8.0"	1000 PC	25000	1000			M	68.04		
PLT2I-M54	CABLE TIE, INTERMEDIATE, FL YEL 8.0"	1000 PC	25000	1000			M	68.04		
PLT2I-M55	CABLE TIE, INTERMEDIATE, FL GRN 8.0"	1000 PC	25000	1000			M	68.04		
PLT2I-M59	CABLE TIE, INTERMEDIATE, FL PNK 8.0"	1000 PC	25000	1000			M	68.04		
PLT2I-M69	CABLE TIE, INTERMEDIATE, FL RET NAT 8.0"	1000 PC	25000	1000			M	151.97		
PLT2I-M300	CABLE TIE, MINIATURE, HS WR BLK 8.0"	1000 PC	25000	1000			M	87.99		
PLT2M-C	CABLE TIE, MINIATURE, NAT 8.0"	100 PC	1000	1	100	1000	C	17.94	14.00	11.22
PLT2M-C0	CABLE TIE, MINIATURE, WR BLK 8.0"	100 PC	1000	1	100	1000	C	23.84	18.63	14.89
PLT2M-M1	CABLE TIE, MINIATURE, BRN 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M2	CABLE TIE, MINIATURE, RED 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M3	CABLE TIE, MINIATURE, ORN 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M4	CABLE TIE, MINIATURE, YEL 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M5	CABLE TIE, MINIATURE, GRN 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M6	CABLE TIE, MINIATURE, BLU 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M7	CABLE TIE, MINIATURE, PUR 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M8	CABLE TIE, MINIATURE, GRY 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M10	CABLE TIE, MINIATURE, WHT 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M20	CABLE TIE, MINIATURE, BLK 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M30	CABLE TIE, MINIATURE, HS BLK 8.0"	1000 PC	25000	1000			M	50.67		
PLT2M-M60	CABLE TIE, MINIATURE, FL RET BLK 8.0"	1000 PC	25000	1000			M	132.07		
PLT2M-M69	CABLE TIE, MINIATURE, FL RET NAT 8.0"	1000 PC	25000	1000			M	120.16		
PLT2S-C	CABLE TIE, STANDARD, NAT 7.4"	100 PC	1000	1	100	1000	C	19.01	14.84	11.89
PLT2S-C0	CABLE TIE, STANDARD, WR BLK 7.4"	100 PC	1000	1	100	1000	C	20.30	15.85	12.70
PLT2S-C00	CABLE TIE, STANDARD, WR BLK 7.4"	100 PC	1000	1	100	1000	C	25.50	19.74	15.90
PLT2S-C1	CABLE TIE, STANDARD, BRN 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C2	CABLE TIE, STANDARD, RED 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C3	CABLE TIE, STANDARD, ORN 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C4	CABLE TIE, STANDARD, YEL 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C5	CABLE TIE, STANDARD, GRN 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C6	CABLE TIE, STANDARD, BLU 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C7	CABLE TIE, STANDARD, PUR 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C8	CABLE TIE, STANDARD, GRY 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C10	CABLE TIE, STANDARD, WHT 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C14	CABLE TIE, STANDARD, TEL GRY 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C20	CABLE TIE, STANDARD, BLK 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C30	CABLE TIE, STANDARD, HS BLK 7.4"	100 PC	1000	1	100	1000	C	24.88	19.26	15.51
PLT2S-C53	CABLE TIE, STANDARD, FL ORN 7.4"	100 PC	1000	1	100	1000	C	25.14	19.63	15.73
PLT2S-C54	CABLE TIE, STANDARD, FL YEL 7.4"	100 PC	1000	1	100	1000	C	25.14	19.63	15.73
PLT2S-C55	CABLE TIE, STANDARD, FL GRN 7.4"	100 PC	1000	1	100	1000	C	25.14	19.63	15.73
PLT2S-C59	CABLE TIE, STANDARD, FL PNK 7.4"	100 PC	1000	1	100	1000	C	25.14	19.63	15.73
PLT2S-C76	CABLE TIE, STANDARD, TEFZEL* BLU 7.4"	100 PC	1000	1	100	1000	C	184.69	144.36	115.33
PLT2S-C702	CABLE TIE, STANDARD, HALAR* MRN 7.4"	100 PC	1000	1	100	1000	C	169.80	132.73	106.03
PLT2S-M38	CABLE TIE, STANDARD, HS BRN 7.4"	1000 PC	10000	1000			M	76.35		
PLT2S-M39	CABLE TIE, STANDARD, HS NAT 7.4"	1000 PC	10000	1000			M	72.87		
PLT2S-M60	CABLE TIE, STANDARD, FL RET BLK 7.4"	1000 PC	10000	1000			M	215.43		
PLT2S-M69	CABLE TIE, STANDARD, FL RET NAT 7.4"	1000 PC	10000	1000			M	196.01		
PLT2S-M100	CABLE TIE, STANDARD, WR POLY BLK 7.4"	1000 PC	10000	1000			M	97.04		
PLT2S-M109	CABLE TIE, STANDARD, POLY GRN 7.4"	1000 PC	10000	1000			M	97.04		
PLT2S-M120	CABLE TIE, STANDARD, NYL 12 BLK 7.4"	1000 PC	10000	1000			M	112.76		
PLT2S-M209	CABLE TIE, STANDARD, WHT 7.4"	1000 PC	10000	1000			M	83.94		
PLT2S-M300	CABLE TIE, STANDARD, HS WR BLK 7.4"	1000 PC	10000	1000			M	85.27		

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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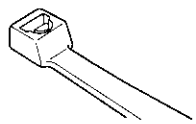
All prices subject to change without notice.



PLT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLT2.5H-L	CABLE TIE, HEAVY, NAT 9.8"	50 PC	500	1	50	500	C	$ 64.99	$ 50.80	$ 40.58
PLT2.5H-L0	CABLE TIE, HEAVY, WR BLK 9.8"	50 PC	500	1	50	500	C	72.82	56.92	45.47
PLT2.5I-C	CABLE TIE, INTERMEDIATE, NAT 9.7"	100 PC	1000	1	100	1000	C	30.09	23.52	18.79
PLT2.5I-C0	CABLE TIE, INTERMEDIATE, WR BLK 9.7"	100 PC	1000	1	100	1000	C	36.18	28.01	22.56
PLT2.5I-M20	CABLE TIE, INTERMEDIATE, BLK 9.7"	1000 PC	10000	1000			M	130.51		
PLT2.5S-C	CABLE TIE, STANDARD, NAT 9.8"	100 PC	1000	1	100	1000	C	38.38	30.00	23.97
PLT2.5S-C0	CABLE TIE, STANDARD, WR BLK 9.8"	100 PC	1000	1	100	1000	C	45.51	35.22	28.37
PLT2.5S-M30	CABLE TIE, STANDARD, HS BLK 9.8"	1000 PC	10000	1000			M	172.85		
PLT3EH-NB-C0	CABLE TIE, EX-HVY, NO BUCKLE, WR BLK 12.2"	100 PC	1000	100			M	923.14		
PLT3H-L	CABLE TIE, HEAVY, NAT 11.4"	50 PC	500	1	50	500	C	66.00	51.59	41.21
PLT3H-L0	CABLE TIE, HEAVY, WR BLK 11.4"	50 PC	500	1	50	500	C	70.94	55.45	44.30
PLT3H-L76	CABLE TIE, HEAVY, TEFZEL* BLU 11.4"	50 PC	500	1	50	500	C	445.81	345.08	277.93
PLT3H-TL30	CABLE TIE, HEAVY, HS BLK 11.4"	250 PC	2500	250			M	393.33		
PLT3H-TL76	CABLE TIE, HEAVY, TEFZEL* BLU 11.4"	250 PC	2500	250			M	2288.58		
PLT3H-TL100	CABLE TIE, HEAVY, WR POLY BLK 11.4"	250 PC	2500	250			M	425.07		
PLT3H-TL109	CABLE TIE, HEAVY, POLY GRN 11.4"	250 PC	2500	250			M	425.07		
PLT3I-C	CABLE TIE, INTERMEDIATE, NAT 11.4"	100 PC	1000	1	100	1000	C	27.97	21.84	17.49
PLT3I-C0	CABLE TIE, INTERMEDIATE, WR BLK 11.4"	100 PC	1000	1	100	1000	C	37.36	29.17	23.37
PLT3I-C14	CABLE TIE, INTERMEDIATE, TEL GRY 11.4"	100 PC	1000	1	100	1000	C	36.43	28.48	22.75
PLT3I-M2	CABLE TIE, INTERMEDIATE, RED 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M3	CABLE TIE, INTERMEDIATE, ORN 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M4	CABLE TIE, INTERMEDIATE, YEL 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M5	CABLE TIE, INTERMEDIATE, GRN 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M6	CABLE TIE, INTERMEDIATE, BLU 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M8	CABLE TIE, INTERMEDIATE, GRY 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M10	CABLE TIE, INTERMEDIATE, WHT 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M20	CABLE TIE, INTERMEDIATE, BLK 11.4"	1000 PC	10000	1000			M	142.97		
PLT3I-M30	CABLE TIE, INTERMEDIATE, HS BLK 11.4"	1000 PC	10000	1000			M	142.97		
PLT3S-C	CABLE TIE, STANDARD, NAT 11.5"	100 PC	1000	1	100	1000	C	38.39	29.98	24.02
PLT3S-C0	CABLE TIE, STANDARD, WR BLK 11.5"	100 PC	1000	1	100	1000	C	41.15	32.13	25.74
PLT3S-C00	CABLE TIE, STANDARD, WR BLK 11.5"	100 PC	1000	1	100	1000	C	47.36	37.02	29.57
PLT3S-C2	CABLE TIE, STANDARD, RED 11.5"	100 PC	1000	1	100	1000	C	48.25	37.72	30.13
PLT3S-C20	CABLE TIE, STANDARD, BLK 11.5"	100 PC	1000	1	100	1000	C	48.25	37.72	30.13
PLT3S-C30	CABLE TIE, STANDARD, HS BLK 11.5"	100 PC	1000	1	100	1000	C	48.25	37.72	30.13
PLT3S-C53	CABLE TIE, STANDARD, FL ORN 11.5"	100 PC	1000	1	100	1000	C	50.76	39.64	31.76
PLT3S-C54	CABLE TIE, STANDARD, FL YEL 11.5"	100 PC	1000	1	100	1000	C	50.76	39.64	31.76
PLT3S-C55	CABLE TIE, STANDARD, FL GRN 11.5"	100 PC	1000	1	100	1000	C	50.76	39.64	31.76
PLT3S-C59	CABLE TIE, STANDARD, FL PNK 11.5"	100 PC	1000	1	100	1000	C	50.76	39.64	31.76
PLT3S-C76	CABLE TIE, STANDARD, TEFZEL* BLU 11.5"	100 PC	1000	1	100	1000	C	273.61	213.87	170.86
PLT3S-C702	CABLE TIE, STANDARD, HALAR* MRN 11.5"	100 PC	1000	1	100	1000	C	255.63	199.82	159.63
PLT3S-M3	CABLE TIE, STANDARD, ORN 11.5"	1000 PC	10000	1000			M	181.23		
PLT3S-M4	CABLE TIE, STANDARD, YEL 11.5"	1000 PC	10000	1000			M	181.23		
PLT3S-M5	CABLE TIE, STANDARD, GRN 11.5"	1000 PC	10000	1000			M	181.23		
PLT3S-M6	CABLE TIE, STANDARD, BLU 11.5"	1000 PC	10000	1000			M	181.23		
PLT3S-M7	CABLE TIE, STANDARD, PUR 11.5"	1000 PC	10000	1000			M	181.23		
PLT3S-M8	CABLE TIE, STANDARD, GRY 11.5"	1000 PC	10000	1000			M	181.23		
PLT3S-M10	CABLE TIE, STANDARD, WHT 11.5"	1000 PC	10000	1000			M	181.23		
PLT3S-M69	CABLE TIE, STANDARD, FL RET NAT 11.5"	1000 PC	10000	1000			M	328.84		
PLT3S-M100	CABLE TIE, STANDARD, WR POLY BLK 11.5"	1000 PC	10000	1000			M	239.87		
PLT3S-M109	CABLE TIE, STANDARD, POLY GRN 11.5"	1000 PC	10000	1000			M	247.66		
PLT3S-M209	CABLE TIE, STANDARD, NAT 11.5"	1000 PC	10000	1000			M	210.09		
PLT4H-C	CABLE TIE, HEAVY, NAT 14.5"	100 PC	2500	1	100	500	C	67.23	52.04	41.91
PLT4H-C0	CABLE TIE, HEAVY, WR BLK 14.5"	100 PC	2500	1	100	500	C	76.10	59.48	47.52
PLT4H-L	CABLE TIE, HEAVY, NAT 14.5"	50 PC	500	1	50	500	C	63.71	49.74	39.85
PLT4H-L0	CABLE TIE, HEAVY, WR BLK 14.5"	50 PC	500	1	50	500	C	69.27	54.09	43.33

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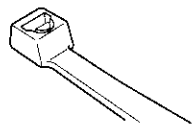

PLT
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLT4H-L00	CABLE TIE, HEAVY, WR BLK 14.5"	50 PC	500	1	50	500	C	$ 83.20	$ 64.40	$ 51.87
PLT4H-L76	CABLE TIE, HEAVY, TEFZEL* BLU 14.5"	50 PC	500	1	50	500	C	469.43	366.93	293.14
PLT4H-TL00	CABLE TIE, HEAVY, WR BLK 14.5"	250 PC	2500	250			M	431.06		
PLT4H-TL1	CABLE TIE, HEAVY, BRN 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL2	CABLE TIE, HEAVY, RED 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL3	CABLE TIE, HEAVY, ORN 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL4	CABLE TIE, HEAVY, YEL 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL5	CABLE TIE, HEAVY, GRN 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL6	CABLE TIE, HEAVY, BLU 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL8	CABLE TIE, HEAVY, GRY 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL10	CABLE TIE, HEAVY, WHT 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL20	CABLE TIE, HEAVY, BLK 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL30	CABLE TIE, HEAVY, HS BLK 14.5"	250 PC	2500	250			M	423.05		
PLT4H-TL69	CABLE TIE, HEAVY, FL RET NAT 14.5"	250 PC	2500	250			M	717.22		
PLT4H-TL100	CABLE TIE, HEAVY, WR POLY BLK 14.5"	250 PC	2500	250			M	547.27		
PLT4H-TL109	CABLE TIE, HEAVY, POLY GRN 14.5"	250 PC	2500	250			M	547.27		
PLT4H-TL120	CABLE TIE, HEAVY, NYL 12 BLK 14.5"	250 PC	2500	250			M	707.76		
PLT4H-TL300	CABLE TIE, HEAVY, HS WR BLK 14.5"	250 PC	2500	250			M	520.45		
PLT4I-C	CABLE TIE, INTERMEDIATE, NAT 14.6"	100 PC	1000	1	100	1000	C	39.07	30.51	24.44
PLT4I-C0	CABLE TIE, INTERMEDIATE, WR BLK 14.6"	100 PC	1000	1	100	1000	C	49.03	38.32	30.62
PLT4I-C14	CABLE TIE, INTERMEDIATE, TEL GRY 14.6"	100 PC	1000	1	100	1000	C	51.29	39.70	31.98
PLT4I-M2	CABLE TIE, INTERMEDIATE, RED 14.5"	1000 PC	10000	1000			M	206.24		
PLT4I-M5	CABLE TIE, INTERMEDIATE, GRN 14.5"	1000 PC	10000	1000			M	206.24		
PLT4I-M6	CABLE TIE, INTERMEDIATE, BLU 14.5"	1000 PC	10000	1000			M	206.24		
PLT4I-M20	CABLE TIE, INTERMEDIATE, BLK 14.5"	1000 PC	10000	1000			M	206.24		
PLT4I-M30	CABLE TIE, INTERMEDIATE, HS BLK 14.5"	1000 PC	10000	1000			M	206.24		
PLT4S-C	CABLE TIE, STANDARD, NAT 14.5"	100 PC	1000	1	100	1000	C	43.69	34.11	27.33
PLT4S-C0	CABLE TIE, STANDARD, WR BLK 14.5"	100 PC	1000	1	100	1000	C	44.96	35.11	28.13
PLT4S-C00	CABLE TIE, STANDARD, WR BLK 14.5"	100 PC	1000	1	100	1000	C	56.33	43.60	35.12
PLT4S-C2	CABLE TIE, STANDARD, RED 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C3	CABLE TIE, STANDARD, ORN 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C4	CABLE TIE, STANDARD, YEL 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C5	CABLE TIE, STANDARD, GRN 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C6	CABLE TIE, STANDARD, BLU 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C8	CABLE TIE, STANDARD, GRY 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C10	CABLE TIE, STANDARD, WHT 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C20	CABLE TIE, STANDARD, BLK 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C30	CABLE TIE, STANDARD, HS BLK 14.5"	100 PC	1000	1	100	1000	C	57.50	44.51	35.85
PLT4S-C76	CABLE TIE, STANDARD, TEFZEL* BLU 14.5"	100 PC	1000	1	100	1000	C	294.36	230.09	183.81
PLT4S-M7	CABLE TIE, STANDARD, PUR 14.5"	1000 PC	5000	1000			M	204.20		
PLT4S-M14	CABLE TIE, STANDARD, TEL GRY 14.5"	1000 PC	5000	1000			M	204.20		
PLT4S-M60	CABLE TIE, STANDARD, FL RET BLK 14.5"	1000 PC	5000	1000			M	424.26		
PLT4S-M69	CABLE TIE, STANDARD, FL RET NAT 14.5"	1000 PC	5000	1000			M	385.96		
PLT4S-M100	CABLE TIE, STANDARD, WR POLY BLK 14.5"	1000 PC	5000	1000			M	297.54		
PLT4S-M109	CABLE TIE, STANDARD, POLY GRN 14.5"	1000 PC	5000	1000			M	297.54		
PLT4S-M120	CABLE TIE, STANDARD, NYL 12 BLK 14.5"	1000 PC	5000	1000			M	348.52		
PLT4S-M300	CABLE TIE, STANDARD, HS WR BLK 14.5"	1000 PC	5000	1000			M	275.67		
PLT4.5S-C	CABLE TIE, STANDARD, NAT 15.5"	100 PC	1000	1	100	1000	C	56.88	44.46	35.52
PLT4.5S-C0	CABLE TIE, STANDARD, WR BLK 15.5"	100 PC	1000	1	100	1000	C	62.01	48.47	38.72
PLT4.5S-M30	CABLE TIE, STANDARD, HS BLK 15.5"	1000 PC	5000	1000			M	246.14		
PLT5EH-NB-C0	CABLE TIE, EX-HVY, NO BUCKLE, WR BLK 19.8"	100 PC	1000	100			M	1134.21		
PLT5EH-Q	CABLE TIE, EXTRA-HEAVY, NAT 20.1"	25 PC	250	1	25	250	C	188.01	146.96	117.40
PLT5EH-Q0	CABLE TIE, EXTRA-HEAVY, WR BLK 20.1"	25 PC	250	1	25	250	C	206.71	161.41	129.31
PLT5H-C30	CABLE TIE, HEAVY, HS BLK 17.7"	100 PC	2000	100			M	659.09		
PLT5H-L	CABLE TIE, HEAVY, NAT 17.7"	50 PC	500	1	50	500	C	102.05	79.69	63.84

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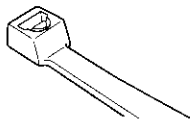
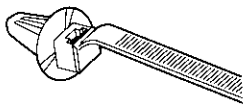
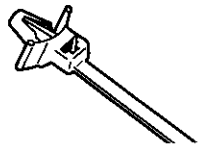


PLT
Cable Ties



PLUP
Umbrella Mount Cable Ties



PLWP
Winged Push Mount
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLT5H-L0	CABLE TIE, HEAVY, WR BLK 17.7"	50 PC	500	1	50	500	C	$ 134.17	$ 104.88	$ 83.78
PLT5S-C	CABLE TIE, STANDARD, NAT 17.5"	100 PC	500	1	100	500	C	65.56	51.25	40.94
PLT5S-C0	CABLE TIE, STANDARD, WR BLK 17.5"	100 PC	500	1	100	500	C	72.64	56.78	45.36
PLT5S-M2	CABLE TIE, STANDARD, RED 17.5"	1000 PC	5000	1000			M	288.36		
PLT5S-M3	CABLE TIE, STANDARD, ORN 17.5"	1000 PC	5000	1000			M	288.36		
PLT5S-M4	CABLE TIE, STANDARD, YEL 17.5"	1000 PC	5000	1000			M	288.36		
PLT5S-M5	CABLE TIE, STANDARD, GRN 17.5"	1000 PC	5000	1000			M	288.36		
PLT5S-M6	CABLE TIE, STANDARD, BLU 17.5"	1000 PC	5000	1000			M	288.36		
PLT5S-M8	CABLE TIE, STANDARD, GRY 17.5"	1000 PC	5000	1000			M	288.36		
PLT6EH-NB-C0	CABLE TIE, EX-HVY, NO BUCKLE, WR BLK 21.8"	100 PC	1000	100			M	1375.73		
PLT6EH-Q	CABLE TIE, EXTRA-HEAVY, NAT 22.2"	25 PC	250	1	25	250	C	208.92	163.30	130.46
PLT6EH-Q0	CABLE TIE, EXTRA-HEAVY, WR BLK 22.2"	25 PC	250	1	25	250	C	229.80	179.43	143.75
PLT6H-C30	CABLE TIE, HEAVY, HS BLK 20.9"	100 PC	2000	100			M	742.53		
PLT6H-L	CABLE TIE, HEAVY, NAT 20.9"	50 PC	500	1	50	500	C	113.51	88.63	71.01
PLT6H-L0	CABLE TIE, HEAVY, WR BLK 20.9"	50 PC	500	1	50	500	C	149.17	116.60	93.15
PLT6LH-L	CABLE TIE, LIGHT-HEAVY, NAT 21.9"	50 PC	500	1	50	500	C	96.55	75.47	60.29
PLT6LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 21.9"	50 PC	500	1	50	500	C	110.90	86.69	69.25
PLT7LH-C30	CABLE TIE, LIGHT-HEAVY, HS BLK 24.7"	100 PC	2000	100			M	659.63		
PLT7LH-L	CABLE TIE, LIGHT-HEAVY, NAT 24.7"	50 PC	500	1	50	500	C	104.13	81.39	65.02
PLT7LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 24.7"	50 PC	500	1	50	500	C	120.57	94.24	75.29
PLT8EH-C	CABLE TIE, EXTRA-HEAVY, NAT 28.3"	100 PC	1000	100			M	1634.36		
PLT8EH-Q0	CABLE TIE, EXTRA-HEAVY, NAT 28.3"	25 PC	250	1	25	250	C	334.43	261.41	208.84
PLT8H-C00	CABLE TIE, HEAVY, WR BLK 30.6"	100 PC	1500	100			M	1078.66		
PLT8H-C30	CABLE TIE, HEAVY, HS BLK 30.6"	100 PC	1500	100			M	1000.31		
PLT8H-L	CABLE TIE, HEAVY, NAT 30.6"	50 PC	500	1	50	500	C	146.97	114.76	91.94
PLT8H-L0	CABLE TIE, HEAVY, WR BLK 30.6"	50 PC	500	1	50	500	C	169.02	131.98	105.74
PLT8H-Q	CABLE TIE, HEAVY, NAT 30.6"	25 PC	500	1	25	500	C	165.22	127.89	103.00
PLT8H-Q0	CABLE TIE, HEAVY, WR BLK 30.6"	25 PC	500	1	25	500	C	190.01	147.08	118.46
PLT8LH-C00	CABLE TIE, LIGHT-HEAVY, WR BLK 27.6"	100 PC	2000	100			M	939.23		
PLT8LH-C120	CABLE TIE, LIGHT-HEAVY, NYL 12 BLK 27.6"	100 PC	2000	100			M	1115.64		
PLT8LH-L	CABLE TIE, LIGHT-HEAVY, NAT 27.6"	50 PC	500	1	50	500	C	131.01	102.29	81.95
PLT8LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 27.6"	50 PC	500	1	50	500	C	159.11	124.37	99.36
PLT8LH-Q0	CABLE TIE, LIGHT-HEAVY, WR BLK 27.6"	25 PC	500	1	25	500	C	184.41	142.75	114.97
PLT9LH-C30	CABLE TIE, LIGHT-HEAVY, HS BLK 30.5"	100 PC	1000	100			M	867.11		
PLT9LH-L	CABLE TIE, LIGHT-HEAVY, NAT 30.5"	50 PC	500	1	50	500	C	135.74	105.99	84.91
PLT9LH-L0	CABLE TIE, LIGHT-HEAVY, WR BLK 30.5"	50 PC	500	1	50	500	C	153.87	120.14	96.26
PLT10EH-C	CABLE TIE, EXTRA-HEAVY, NAT 34.2"	100 PC	500	100			M	1824.98		
PLT10EH-Q0	CABLE TIE, EXTRA-HEAVY, WR BLK 34.2"	25 PC	250	1	25	250	C	382.93	299.32	239.12
PLT10LH-L	CABLE TIE, LIGHT-HEAVY, NAT 34.3"	50 PC	1000	1	50	500	C	187.69	145.28	117.01
PLT12EH-C	CABLE TIE, EXTRA-HEAVY, NAT 40.1"	100 PC	500	100			M	1972.62		
PLT12EH-Q0	CABLE TIE, EXTRA-HEAVY, WR BLK 40.1"	25 PC	250	1	25	250	C	427.45	334.12	266.92
PLT13H-Q	CABLE TIE, HEAVY, NAT 43.3"	25 PC	500	1	25	250	C	235.82	184.13	147.52
PLT13H-Q0	CABLE TIE, HEAVY, WR BLK 43.3"	25 PC	500	1	25	250	C	323.58	250.47	201.73
PLT13H-Q3	CABLE TIE, HEAVY, ORN 43.3"	25 PC	500	1	25	250	C	339.83	263.05	211.86
PLUP40S-D	PUSH MT TIE, UMBRELLA, STANDARD, NAT 7.0"	500 PC	5000	500			M	202.84		
PLUP40S-D30	PUSH MT TIE, UMBRELLA, STANDARD, HS BLK 7.0"	500 PC	5000	500			M	278.28		
PLUP40SE-D	PUSH MT TIE, UMBRELLA, STANDARD, NAT 7.0"	500 PC	5000	500			M	202.84		
PLUP40SE-D30	PUSH MT TIE, UMBRELLA, STANDARD, HS BLK 7.0"	500 PC	5000	500			M	243.40		
PLWP1M-C	PUSH MT TIE, WINGED, MIN, NAT 4.3"	100 PC	1000	1	100	1000	C	28.01	21.68	17.46
PLWP1M-D0	PUSH MT TIE, WINGED, MIN, WR BLK 4.3"	500 PC	5000	500			M	184.89		
PLWP1M-D30	PUSH MT TIE, WINGED, MIN, HS BLK 4.3"	500 PC	5000	500			M	193.01		
PLWP1S-C	PUSH MT TIE, WINGED, STANDARD, NAT 5.2"	100 PC	1000	1	100	1000	C	33.60	26.01	20.95
PLWP1S-C0	PUSH MT TIE, WINGED, STANDARD, WR BLK 5.2"	100 PC	1000	1	100	1000	C	38.57	29.86	24.05
PLWP1S-D30	PUSH MT TIE, WINGED, STANDARD, HS BLK 5.2"	500 PC	5000	500			M	209.66		
PLWP1SA-D	PUSH MT TIE, WINGED, STANDARD, NAT 5.1"	500 PC	5000	500			M	174.71		

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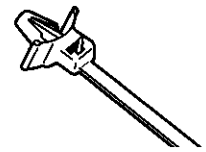
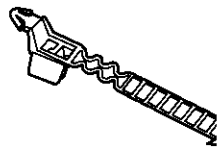
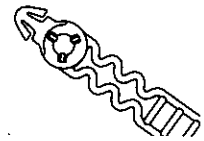
PANDUIT® Cable Ties and Installation Tooling



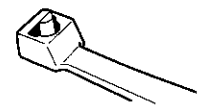
PLWP
Winged Push Mount Cable Ties



PRLWP
Releasable Winged Push Mount Cable Ties



PRST
Releasable Stud Mount Cable Ties



PRT
Releasable Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLWP1SB-D	PUSH MT TIE, WINGED, STANDARD, NAT 5.1"	500 PC	5000	500			M	$ 174.71	$	$
PLWP1.5I-C	PUSH MT TIE, WINGED, INTERMEDIATE, NAT 6.0"	100 PC	1000	1	100	1000	C	31.72	24.55	19.77
PLWP1.5I-D30	PUSH MT TIE, WINGED, INTERMEDIATE, HS BLK 6.0"	500 PC	5000	500			M	207.11		
PLWP1.5S-D	PUSH MT TIE, WINGED, STANDARD, NAT 6.8"	500 PC	5000	500			M	184.38		
PLWP1.5S-D30	PUSH MT TIE, WINGED, STANDARD, HS BLK 6.8"	500 PC	5000	500			M	221.26		
PLWP1.5SA-D	PUSH MT TIE, WINGED, STANDARD, NAT 6.7"	500 PC	5000	500			M	184.38		
PLWP2H-TL	PUSH MT TIE, WINGED, HEAVY, NAT 9.0"	250 PC	2500	250			M	532.96		
PLWP2H-TL0	PUSH MT TIE, WINGED, HEAVY, WR BLK 9.0"	250 PC	2500	250			M	612.92		
PLWP2H-TL30	PUSH MT TIE, WINGED, HEAVY, HS BLK 9.0"	250 PC	2500	250			M	639.55		
PLWP2S-C	PUSH MT TIE, WINGED, STANDARD, NAT 7.8"	100 PC	1000	1	100	1000	C	38.67	29.93	24.11
PLWP2S-C0	PUSH MT TIE, WINGED, STANDARD, WR BLK 7.8"	100 PC	1000	1	100	500	C	44.45	34.41	27.71
PLWP2S-D30	PUSH MT TIE, WINGED, STANDARD, HS BLK 7.8"	500 PC	5000	500			M	242.16		
PLWP2SA-D	PUSH MT TIE, WINGED, STANDARD, NAT 7.7"	500 PC	5000	500			M	201.80		
PLWP2SB-D	PUSH MT TIE, WINGED, STANDARD, NAT 7.7"	500 PC	5000	500			M	201.80		
PLWP3H-TL	PUSH MT TIE, WINGED, HEAVY, NAT 12.0"	250 PC	2500	250			M	618.90		
PLWP3H-TL0	PUSH MT TIE, WINGED, HEAVY, WR BLK 12.0"	250 PC	2500	250			M	783.15		
PLWP3H-TL30	PUSH MT TIE, WINGED, HEAVY, HS BLK 12.0"	250 PC	2500	250			M	742.65		
PLWP30SC-D30	PUSH MT TIE, CTR WINGED, HS BLK 5.8"	500 PC	5000	500			M	210.96		
PLWP40SC-D30	PUSH MT TIE, CTR WINGED, HS BLK 7.0"	500 PC	5000	500			M	222.63		
PLWP40SD-D30	PUSH MT TIE, CTR WINGED, HS BLK 7.0"	500 PC	5000	500			M	222.63		
PLWP50SC-D30	PUSH MT TIE, CTR WINGED, HS BLK 8.2"	500 PC	5000	500			M	243.60		
PLWP50SE-D30	PUSH MT TIE, CTR WINGED, HS BLK 8.2"	500 PC	5000	500			M	243.60		
PP5X50-X	EMPTY CABLE TIE POCKET POUCH	10 PC		1			PC	3.07		
PP5X50F	FILLED CABLE TIE POCKET POUCH	1 KT		1			KT	45.90		
PPC25X50	EMPTY CABLE TIE CANVAS PAN-POUCH	1 PC		1			PC	26.06		
PPC25X50F	FILLED CABLE TIE CANVAS PAN-POUCH	1 KT		1			KT	182.17		
PRA2S-A-Q	ADH MOUNT/CABLE TIE COMBO, 7.3 REL TIE	25 PC	250	1	25	250	C	158.93	124.23	99.24
PRLWP30S-D30	PUSH MT TIE, REL CTR WINGED, HS BLK 4.7"	500 PC	5000	500			M	226.85		
PRLWP50S-D30	PUSH MT TIE, REL CTR WINGED, HS BLK 7.1"	500 PC	5000	500			M	234.43		
PRST30S-S14-M30	STUD MT TIE, REL, STANDARD, HS BLK 5.2"	1000 PC	10000	1000			M	173.88		
PRST40SC-D30	STUD MT TIE, REL CTR, STANDARD, HS BLK 6.9"	500 PC	5000	500			M	333.95		
PRT1S-C	CABLE TIE, REL, STANDARD, NAT 4.8"	100 PC	1000	1	100	1000	C	29.24	22.86	18.26
PRT1S-C0	CABLE TIE, REL, STANDARD, WR BLK 4.8"	100 PC	1000	1	100	1000	C	33.82	26.18	21.08
PRT1.5S-C	CABLE TIE, REL, STANDARD, NAT 5.6"	100 PC	1000	1	100	1000	C	29.43	23.00	18.38
PRT1.5S-C0	CABLE TIE, REL, STANDARD, WR BLK 5.6"	100 PC	1000	1	100	1000	C	34.39	26.62	21.44
PRT1.5S-M2	CABLE TIE, REL, STANDARD, RED 5.6"	1000 PC	10000	1000			M	124.96		
PRT1.5S-M3	CABLE TIE, REL, STANDARD, ORN 5.6"	1000 PC	10000	1000			M	124.96		
PRT1.5S-M6	CABLE TIE, REL, STANDARD, BLU 5.6"	1000 PC	10000	1000			M	124.96		
PRT1.5S-M30	CABLE TIE, REL, STANDARD, HS BLK 5.6"	1000 PC	10000	1000			M	124.96		
PRT2EH-C	CABLE TIE, REL, EX-HEAVY, NAT 9.0"	100 PC	1000	100			M	602.28		
PRT2EH-C0	CABLE TIE, REL, EX-HEAVY, WR BLK 9.0"	100 PC	1000	100			M	692.58		
PRT2EH-C100	CABLE TIE, REL, EX-HEAVY, WR POLY BLK 9.0"	100 PC	1000	100			M	1056.13		
PRT2EH-C109	CABLE TIE, REL, EX-HEAVY, POLY GRN 9.0"	100 PC	1000	100			M	1056.13		
PRT2EH-Q0	CABLE TIE, REL, EX-HEAVY, WR BLK 9.0"	25 PC	250	1	25	250	C	128.72	100.62	80.38
PRT2H-L	CABLE TIE, REL, HEAVY, NAT 8.4"	50 PC	500	1	50	500	C	80.86	63.20	50.49
PRT2H-L0	CABLE TIE, REL, HEAVY, WR BLK 8.4"	50 PC	500	1	50	500	C	92.42	71.54	57.62
PRT2S-C	CABLE TIE, REL, STANDARD, NAT 7.4"	100 PC	1000	1	100	1000	C	33.30	26.03	20.79
PRT2S-C0	CABLE TIE, REL, STANDARD, WR BLK 7.4"	100 PC	1000	1	100	1000	C	36.62	28.62	22.87
PRT2S-M2	CABLE TIE, REL, STANDARD, RED 7.4"	1000 PC	10000	1000			M	122.92		
PRT2S-M3	CABLE TIE, REL, STANDARD, ORN 7.4"	1000 PC	10000	1000			M	122.92		
PRT2S-M4	CABLE TIE, REL, STANDARD, YEL 7.4"	1000 PC	10000	1000			M	122.92		
PRT2S-M6	CABLE TIE, REL, STANDARD, BLU 7.4"	1000 PC	10000	1000			M	122.92		
PRT2S-M7	CABLE TIE, REL, STANDARD, PUR 7.4"	1000 PC	10000	1000			M	122.92		
PRT2S-M10	CABLE TIE, REL, STANDARD, WHT 7.4"	1000 PC	10000	1000			M	122.92		
PRT2S-M20	CABLE TIE, REL, STANDARD, BLK 7.4"	1000 PC	10000	1000			M	122.92		

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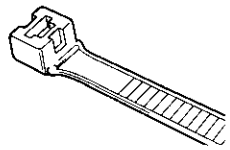
PRT
Releasable
Cable Ties



SLT
SUPERFLEX™ Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PRT2S-M30	CABLE TIE, REL, STANDARD, HS BLK 7.4"	1000 PC	10000	1000			M	$ 122.92	$	$
PRT3H-L	CABLE TIE, REL, HEAVY, NAT 11.4"	50 PC	500	1	50	500	C	103.30	79.96	64.40
PRT3H-L0	CABLE TIE, REL, HEAVY, WR BLK 11.4"	50 PC	500	1	50	500	C	111.06	85.97	69.24
PRT3S-C	CABLE TIE, REL, STANDARD, NAT 11.5"	100 PC	1000	1	100	1000	C	60.27	47.11	37.64
PRT3S-C0	CABLE TIE, REL, STANDARD, WR BLK 11.5"	100 PC	1000	1	100	1000	C	67.40	52.17	42.02
PRT4H-L	CABLE TIE, REL, HEAVY, NAT 14.5"	50 PC	500	1	50	500	C	100.03	78.19	62.46
PRT4H-L0	CABLE TIE, REL, HEAVY, WR BLK 14.5"	50 PC	500	1	50	500	C	113.50	87.86	70.76
PRT4S-C	CABLE TIE, REL, STANDARD, NAT 14.5"	100 PC	1000	1	100	1000	C	68.54	53.57	42.80
PRT4S-C0	CABLE TIE, REL, STANDARD, WR BLK 14.5"	100 PC	1000	1	100	1000	C	76.70	59.37	47.81
PRT4S-M2	CABLE TIE, REL, STANDARD, RED 14.5"	1000 PC	5000	1000			M	357.29		
PRT4S-M3	CABLE TIE, REL, STANDARD, ORN 14.5"	1000 PC	5000	1000			M	357.29		
PRT4S-M4	CABLE TIE, REL, STANDARD, YEL 14.5"	1000 PC	5000	1000			M	357.29		
PRT4S-M6	CABLE TIE, REL, STANDARD, BLU 14.5"	1000 PC	5000	1000			M	357.29		
PRT5EH-C100	CABLE TIE, REL, EX-HVY, WR POLY BLK 20.1"	100 PC	1000	100			M	1100.36		
PRT5EH-C109	CABLE TIE, REL, EX-HVY, POLY GRN 20.1"	100 PC	1000	100			M	1155.39		
PRT5EH-Q	CABLE TIE, REL, EX-HEAVY, NAT 20.1"	25 PC	250	1	25	250	C	188.01	146.96	117.40
PRT5EH-Q0	CABLE TIE, REL, EX-HEAVY, WR BLK 20.1"	25 PC	250	1	25	250	C	206.71	161.41	129.31
PRT6EH-C100	CABLE TIE, REL, EX-HVY, WR POLY BLK 22.2"	100 PC	1000	100			M	1401.48		
PRT6EH-C109	CABLE TIE, REL, EX-HVY, POLY GRN 22.2"	100 PC	1000	100			M	1401.48		
PRT6EH-Q	CABLE TIE, REL, EX-HEAVY, NAT 22.2"	25 PC	250	1	25	250	C	208.92	163.30	130.46
PRT6EH-Q0	CABLE TIE, REL, EX-HEAVY, WR BLK 22.2"	25 PC	250	1	25	250	C	229.80	179.43	143.75
PRT8EH-C	CABLE TIE, REL, EX-HEAVY, NAT 28.3"	100 PC	1000	100			M	1634.36		
PRT8EH-C100	CABLE TIE, REL, EX-HEAVY, WR POLY BLK 28.3"	100 PC	1000	100			M	1965.30		
PRT8EH-C109	CABLE TIE, REL, EX-HEAVY, POLY GRN 28.3"	100 PC	1000	100			M	1965.30		
PRT8EH-Q0	CABLE TIE, REL, EX-HEAVY, WR BLK 28.3"	25 PC	250	1	25	250	C	334.43	261.41	208.84
PRT10EH-C	CABLE TIE, REL, EX-HEAVY, NAT 34.2"	100 PC	500	100			M	1824.98		
PRT10EH-Q0	CABLE TIE, REL, EX-HEAVY, WR BLK 34.2"	25 PC	250	1	25	250	C	382.93	299.32	239.12
PRT12EH-C	CABLE TIE, REL, EX-HEAVY, NAT 40.1"	100 PC	500	100			M	1972.62		
PRT12EH-Q0	CABLE TIE, REL, EX-HEAVY, WR BLK 40.1"	25 PC	250	1	25	250	C	408.79	319.19	255.72
PRWP1S-C	PUSH MT TIE, WING REL, STD, NAT 5.2"	100 PC	1000	1	100	1000	C	50.36	38.98	31.39
PRWP1S-D0	PUSH MT TIE, WING REL, STD, WR BLK 5.2"	500 PC	5000	500			M	301.38		
PRWP1S-D20	PUSH MT TIE, WING REL, STD, BLK 5.2"	500 PC	5000	500			M	314.47		
PRWP1SA-D	PUSH MT TIE, WING REL, STD, NAT 5.1"	500 PC	5000	500			M	262.06		
PRWP1SB-D	PUSH MT TIE, WING REL, STD, NAT 5.2"	500 PC	5000	500			M	262.06		
PRWP1.5I-D	PUSH MT TIE, WING REL, INT, NAT 6.0"	500 PC	5000	500			M	258.88		
PRWP1.5S-D	PUSH MT TIE, WING REL, STD, NAT 6.8"	500 PC	5000	500			M	276.55		
PRWP1.5S-D0	PUSH MT TIE, WING REL, STD, WR BLK 6.8"	500 PC	5000	500			M	318.05		
PRWP1.5S-D20	PUSH MT TIE, WING REL, STD, BLK 6.8"	500 PC	5000	500			M	331.90		
PRWP1.5S-D30	PUSH MT TIE, WING REL, STD, HS BLK 6.8"	500 PC	5000	500			M	331.90		
PRWP2H-TL	PUSH MT TIE, WING REL, HVY, NAT 8.9"	250 PC	2500	250			M	799.46		
PRWP2S-D	PUSH MT TIE, WING REL, STD, NAT 7.8"	500 PC	5000	500			M	302.70		
PRWP2S-D0	PUSH MT TIE, WING REL, STD, WR BLK 7.8"	500 PC	5000	500			M	348.00		
PX-0	MARKING PEN, BROAD TIP, BLK	12 PC	144	1	12	48	PC	8.58	6.70	5.37
PX-0-1	MARKING PEN, BROAD TIP, BLK, IND PKG	1 PC	10	1	10	50	PC	10.52	8.14	6.56
PX-2	MARKING PEN, BROAD TIP, RED	12 PC	144	1	12	48	PC	8.58	6.70	5.37
PX-2-1	MARKING PEN, BROAD TIP, RED, IND PKG	1 PC	10	1	10	50	PC	10.52	8.14	6.56
PX-10	MARKING PEN, BROAD TIP, WHT	12 PC	300	1	12	48	PC	13.72	10.72	8.57
PX-10-1	MARKING PEN, BROAD TIP, WHT, IND PKG	1 PC	10	1	10	50	PC	15.44	11.95	9.63
SLT10LH-L	CABLE TIE, SUPERFLEX, NAT 34.8"	50 PC	1000	1	50	500	C	143.23	110.87	89.30
SLT18H-L	CABLE TIE, SUPERFLEX HEAVY, NAT 58.5"	50 PC	1000	1	50	500	C	346.65	268.32	216.11
SSB2S-C	DOUBLE LOOP TIE, STANDARD, NAT 6.7"	100 PC	1000	1	100	1000	C	64.34	49.80	40.11
SSB2S-M0	DOUBLE LOOP TIE, STANDARD, WR BLK 6.7"	1000 PC	10000	1000			M	308.62		
SSB2S-M30	DOUBLE LOOP TIE, STANDARD, HS BLK 6.7"	1000 PC	10000	1000			M	306.31		
SSC2S-S6-C	CLAMP TIE, STD, #6 SCREW, NAT 7.4"	100 PC	1000	1	100	1000	C	45.02	35.19	28.11
SSC2S-S6-C0	CLAMP TIE, STD, #6 SCREW, WR BLK 7.4"	100 PC	1000	1	100	1000	C	54.06	41.85	33.70

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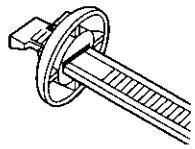
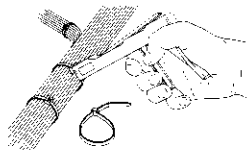


SSPM
Panel Mount
Cable Ties

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SSC2S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 7.4"	100 PC	1000	1	100	1000	C	$ 45.02	$ 35.19	$ 28.11
SSC2S-S10-C0	CLAMP TIE, STD, #10 SCREW, WR BLK 7.4"	100 PC	1000	1	100	1000	C	54.06	41.85	33.70
SSC2S-S10-M30	CLAMP TIE, STD, #10 SCREW, HS BLK 7.4"	1000 PC	10000	1000			M	269.89		
SSC4H-S25-D0	CLAMP TIE, HVY, #25, SCREW, WR BLK 15.5"	500 PC	2500	500			M	870.49		
SSC4H-S25-D30	CLAMP TIE, HVY, #25, SCREW, HS BLK 15.5"	500 PC	2500	500			M	937.72		
SSC4H-S25-L	CLAMP TIE, HVY, #25, SCREW, NAT 15.5"	50 PC	500	1	50	500	C	145.09	113.41	90.60
SSC4S-S10-C	CLAMP TIE, STD, #10 SCREW, NAT 15.6"	100 PC	500	1	100	1000	C	113.56	88.77	70.91
SSC4S-S10-M0	CLAMP TIE, STD, #10 SCREW, HS BLK 15.6"	1000 PC	5000	1000			M	579.47		
SSM2S-C	MARKER TIE, STANDARD, NAT 6.7"	100 PC	500	1	100	1000	C	86.56	67.66	54.05
SSM2S-D0	MARKER TIE, STANDARD, WR BLK 6.7"	500 PC	10000	500			M	479.97		
SSM4S-C	MARKER TIE, STANDARD, NAT 14.9"	100 PC	500	1	100	1000	C	221.33	173.00	138.21
SSPM2.5H-L300	PANEL MOUNT TIE W/O PILOT, HS WR BLK 10.1"	50 PC	2500	1	50	500	C	124.97	97.68	78.04
SSPM2.5HP-L300	PANEL MOUNT TIE W/ PILOT, HS WR BLK 10.1"	50 PC	2500	1	50	500	C	124.97	97.68	78.04
SSPM4H-L300	PANEL MOUNT TIE W/O PILOT, HS WR BLK 14.8"	50 PC	2500	1	50	500	C	153.36	119.88	95.77
SSPM4HLP-TL300	PANEL MOUNT W/LONG PILOT, HS WR BLK 14.8"	250 PC	2500	250			M	722.27		
SSPM4HP-L300	PANEL MOUNT TIE W/ PILOT, HS WR BLK 14.8"	50 PC	2500	1	50	500	C	153.36	119.88	95.77
SSPM25HLP-TL300	PANEL MOUNT W/ PILOT, HS WR BLK 10.1"	250 PC	2500	250			M	622.36		
SST1M-C	CABLE TIE, MINIATURE, NAT 4.0"	100 PC	1000	1	100	1000	C	20.06	15.68	12.53
SST1M-C0	CABLE TIE, MINIATURE, WR BLK 4.0"	100 PC	1000	1	100	1000	C	26.48	20.50	16.51
SST1M-M20	CABLE TIE, MINIATURE, BLK 4.0"	1000 PC	50000	1000			M	48.94		
SST1M-M30	CABLE TIE, MINIATURE, HS BLK 4.0"	1000 PC	50000	1000			M	48.94		
SST1.5I-C	CABLE TIE, INTERMEDIATE, NAT 5.3"	100 PC	1000	1	100	1000	C	22.85	17.86	14.27
SST1.5I-M0	CABLE TIE, INTERMEDIATE, WR BLK 5.3"	1000 PC	25000	1000			M	80.39		
SST1.5M-M0	CABLE TIE, MINIATURE, WR BLK 5.5"	1000 PC	50000	1000			M	75.80		
SST1.5M-M20	CABLE TIE, MINIATURE, BLK 5.5"	1000 PC	50000	1000			M	70.15		
SST1.5M-M30	CABLE TIE, MINIATURE, HS BLK 5.5"	1000 PC	50000	1000			M	70.15		
SST1.5S-C	CABLE TIE, STANDARD, NAT 5.7"	100 PC	1000	1	100	1000	C	29.70	23.22	18.55
SST1.5S-M0	CABLE TIE, STANDARD, WR BLK 5.7"	1000 PC	25000	1000			M	104.84		
SST2H-D	CABLE TIE, HEAVY, NAT 8.0"	500 PC	5000	500			M	362.78		
SST2H-D0	CABLE TIE, HEAVY, WR BLK 8.0"	500 PC	5000	500			M	417.23		
SST2H-D30	CABLE TIE, HEAVY, HS BLK 8.0"	500 PC	5000	500			M	449.46		
SST2I-C	CABLE TIE, INTERMEDIATE, NAT 8.1"	100 PC	1000	1	100	1000	C	32.22	25.19	20.12
SST2I-M0	CABLE TIE, INTERMEDIATE, WR BLK 8.1"	1000 PC	25000	1000			M	103.46		
SST2I-M20	CABLE TIE, INTERMEDIATE, BLK 8.1"	1000 PC	25000	1000			M	97.23		
SST2S-C	CABLE TIE, STANDARD, NAT 6.7"	100 PC	1000	1	100	1000	C	28.58	22.32	17.88
SST2S-C0	CABLE TIE, STANDARD, WR BLK 6.7"	100 PC	1000	1	100	1000	C	33.21	25.96	20.74
SST2S-C30	CABLE TIE, STANDARD, HS BLK 6.7"	100 PC	1000	1	100	1000	C	37.50	29.03	23.38
SST2S-M20	CABLE TIE, STANDARD, BLK 6.7"	1000 PC	15000	1000			M	102.51		
SST3I-C	CABLE TIE, INTERMEDIATE, NAT 11.0"	100 PC	1000	1	100	1000	C	47.77	37.34	29.83
SST3I-C0	CABLE TIE, INTERMEDIATE, WR BLK 11.0"	100 PC	1000	1	100	1000	C	60.75	47.03	37.88
SST3I-M20	CABLE TIE, INTERMEDIATE, BLK 11.0"	1000 PC	10000	1000			M	204.49		
SST3S-C	CABLE TIE, STANDARD, NAT 11.0"	100 PC	1000	1	100	1000	C	59.68	46.65	37.27
SST3S-C0	CABLE TIE, STANDARD, WR BLK 11.0"	100 PC	1000	1	100	1000	C	68.01	53.16	42.47
SST3S-M20	CABLE TIE, STANDARD, BLK 11.0"	1000 PC	10000	1000			M	261.44		
SST3S-M30	CABLE TIE, STANDARD, HS BLK 11.0"	1000 PC	10000	1000			M	261.44		
SST4H-D30	CABLE TIE, HEAVY, HS BLK 14.8"	500 PC	2500	500			M	587.19		
SST4H-L	CABLE TIE, HEAVY, NAT 14.8"	50 PC	500	1	50	500	C	99.07	77.44	61.86
SST4H-L0	CABLE TIE, HEAVY, WR BLK 14.8"	50 PC	500	1	50	500	C	107.58	84.09	67.18
SST4HH-D30	CABLE TIE, HEAVY HEAD, HS BLK 14.8"	500 PC	2500	500			M	627.14		
SST4I-C	CABLE TIE, INTERMEDIATE, NAT 14.7"	100 PC	1000	1	100	1000	C	63.43	49.58	39.61
SST4I-M0	CABLE TIE, INTERMEDIATE, WR BLK 14.7"	1000 PC	10000	1000			M	313.99		
SST4S-C	CABLE TIE, STANDARD, NAT 15.0"	100 PC	1000	1	100	1000	C	64.71	50.53	40.48
SST4S-C0	CABLE TIE, STANDARD, WR BLK 15.0"	100 PC	1000	1	100	1000	C	76.72	59.39	47.83
SST4S-M2	CABLE TIE, STANDARD, RED 15.0"	1000 PC	5000	1000			M	299.40		
SST4S-M30	CABLE TIE, STANDARD, HS BLK 15.0"	1000 PC	5000	1000			M	299.40		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Cable Ties and Installation Tooling



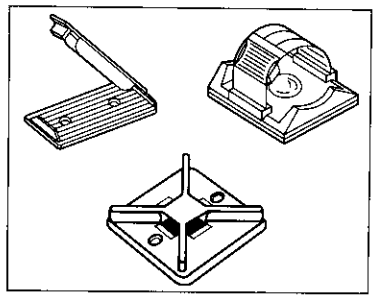
STS2
Installation Tool

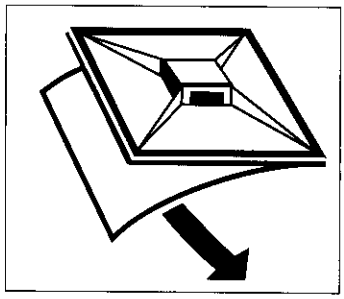
Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SST4S-M300	CABLE TIE, STANDARD, HS WR BLK 15.0"	1000 PC	5000	1000			M	$ 367.80	$	$
SST8H-D00	CABLE TIE, HEAVY, WR BLK 27.5"	500 PC	2000	500			M	1278.66		
SST8H-D30	CABLE TIE, HEAVY, HS BLK 27.5"	500 PC	2000	500			M	1363.15		
SST8H-L	CABLE TIE, HEAVY, NAT 27.5"	50 PC	500	1	50	500	C	192.09	150.15	119.95
SST8H-L0	CABLE TIE, HEAVY, WR BLK 27.5"	50 PC	500	1	50	500	C	223.07	174.36	139.30
ST2EH	CABLE TIE TOOL, LOW VOLUME, H-EH TIES	1 PC		1			PC	183.99		
STH2	CABLE TIE TOOL, LOW VOLUME, S-H TIES	1 PC		1			PC	28.77		
STHV	CABLE TIE TOOL, LOW VOLUME, LH-H TIES	1 PC		1			PC	54.01		
STS2	CABLE TIE TOOL, LOW VOLUME, M-S TIES	1 PC		1			PC	23.23		
TTLK3	TOOL TENSION LOCK KIT	1 PC		1			PC	3.08		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Wiring Accessories

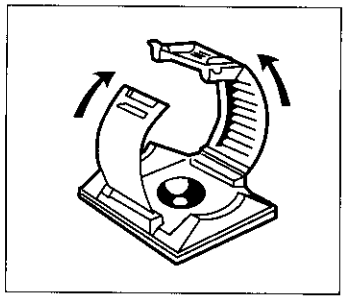
Wiring Accessories are an integral part of *PANDUIT*'s comprehensive selection of wire management products. These accessories help provide you with the lowest installed solution to controlling, mounting and protecting wire and cable. These products are manufactured in an environment committed to design innovation, high quality and knowledgeable service to our customers.





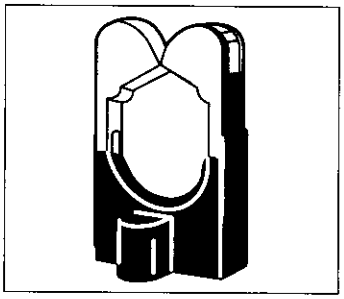
Cable Tie Accessories

These products are used with *PANDUIT* Cable Ties to speed and simplify the mounting of wires, cables and tubing. Installation methods include self-adhesive-backed, user applied adhesive, screws, rivets or through-panel mount designs.



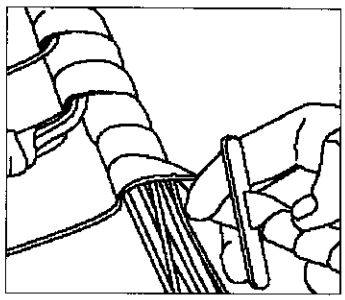
Wiring Accessories

These products—including fixed and adjustable diameter accessories—are used without cable ties. Mounting methods include self-adhesive-backed, user applied adhesive, screws, rivets or through-panel designs.



Harness Board Accessories

PANDUIT's unique selection of harness board accessories speeds the routing and forming of wire in harness fabrication. They hold wire at a uniform height above the board and are ideal for use with *PANDUIT* manual and automatic cable tie installation tooling.



Abrasion Protection Products

Spiral wrapping, braided expandable sleeving, PVC non-shrink tubing and corrugated tubing enclose wires, hoses and tubing to protect them from abrasion. They are available in a variety of sizes and materials to meet a broad range of indoor and outdoor applications.

Grommet edging provides abrasion protection on outside edges and holes cut through metal or plastic surfaces.

*The following trade names are used throughout this section:

▪TEFZEL is the Registered Trademark for E.I. DuPont Co. fluoropolymer.

▲HALAR is the Registered Trademark for Ausimont, Inc. fluoropolymer.

Physical Characteristics of Wiring Accessory Materials

Part Number System Example

TMEH — **S10** — **C** — **#**

Part Description
T = Tie
M = Mount
EH = Extra Heavy
*(Cable Tie Cross Section)

*Cable Tie Cross Section:
SM = Sub-Miniature
M = Miniature
I = Intermediate
S = Standard
LH = Light Heavy
H = Heavy
EH = Extra Heavy

Mounting Method
S10 = Screw Applied (#10 Screw)
A = Rubber Tape (most applications)
AT = Acrylic Tape (high temp. applications)
R = Rivet Applied

Package Size
X = 10
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

NOTE: Metric equivalent to screw sizes shown throughout catalog.
#2 = M2#6 = M3#10 = M5
#4 = M2.5#8 = M41/4 = M6
#5 = M3

Color/Material
Blank=Natural
0 = Weather Resistant Black
8 = Gray
14 = Telco Gray
15 = Ivory
20 = Pigmented Black
30 = Heat Stabilized Nylon (Black)
69 = Flame Retardant Nylon (Ivory)
76 = TEFZEL■ (Blue)
100 = Polypropylene Weather Resistant (Black)
120 = Weather Res. Nylon 12 (Black)
630 = Heat Stabilized Nylon 6 (Black)
639 = Heat Stabilized Nylon 6 (Natural)
702 = HALAR▲ (Maroon)

Note: The colors and materials shown for parts in this section are standard on some items. Consult factory for availability of other colors on special order basis.

Physical Properties and Color of Wiring Accessory Materials

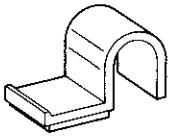
Design Criteria	Nylon 6.6				
	Natural	Weather Res.	Pigmented Blk.	Heat Stabilized	Flame Retardant
Color	Natural	Black	Black	Black	Ivory
Part No. Suffix	None	0	20	30	69
UL Flammability	94V-2	94V-2	94V-2	94V-2	94V-0
Gamma Radiation Resistance	1×10^6 Rads	1×10^6 Rads	1×10^6 Rads	1×10^6 Rads	1×10^6 Rads
Water Absorption (24 hours)	1.2%	1.2%	1.2%	1.2%	1.2%
UV Resistance	Poor	Good	Fair	Good	Poor
Max. Continuous Use Temperature	185°F (85°C)	185°F (85°C)	185°F (85°C)	221°F (104°C)	203°F (95°C)
Min. Continuous Use Temperature	-40°F (-40°C)	-40°F (-40°C)	-40°F (-40°C)	-40°F (-40°C)	-40°F (-40°C)

Physical Properties and Color of Wiring Accessory Materials

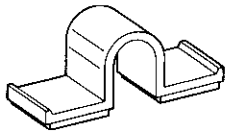
Design Criteria	Nylon 6		Nylon 12	TEFZEL	Polypropylene Weather Res.	HALAR	ABS	PVC
	Heat Stabilized	Heat Stabilized						
Color	Black	Natural	Black	Blue	Black	Maroon	White	Lt. Gray
Part No. Suffix	630	639	120	76	100	702	None	None
UL Flammability	HB	HB	N/R	94V-0	Poor	94V-0	HB	94V-0
Gamma Radiation Resistance	N/A	N/A	3.5×10^6 Rads	2×10^6 Rads	1×10^6 Rads	2×10^6 Rads	N/A	N/A
Water Absorption (24 hours)	<0.4%	<0.4%	0.3%	<0.03%	0.1%	<0.03%	0.3%	0.25%
UV Resistance	Fair	Poor	Good	Excellent	Good	Excellent	Poor	Poor
Max. Continuous Use Temperature	250°F (121°C)	250°F (121°C)	176°F (80°C)	302°F (150°C)	185°F (85°C)	284°F (140°C)	185°F (85°C)	122°F (50°C)
Min. Continuous Use Temperature	-40°F (-40°C)	-40°F (-40°C)	-40°F (-40°C)	-50°F (-46°C)	-40°F (-40°C)	-50°F (-46°C)	-40°F (-40°C)	N/A

■ TEFZEL is the Registered Trademark for E.I. DuPont Co. fluoropolymer.
▲ HALAR is the Registered Trademark for Ausimont, Inc. fluoropolymer.

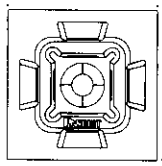
PANDUIT® Wiring Accessories



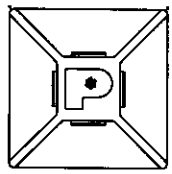
A1C
Adhesive Wire Clip



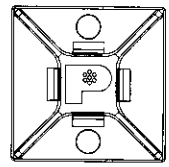
A2C
Adhesive Wire Clip



ABM100
Adhesive Cable Tie Mount



ABM1M/ABMM
Adhesive Cable Tie Mounts



ABM2S/ABM112/ABM3H/ABM4H
Adhesive Cable Tie Mounts

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
A1C12-A-C8	CORD CLIP, ADH, 0.12" BUNDLE, GRY	100 PC	1000	100			C	$ 20.33	$	$
A1C25-A-C8	CORD CLIP, ADH, 0.25" BUNDLE, GRY	100 PC	1000	100			C	25.06		
A1C38-A-C8	CORD CLIP, ADH, 0.38" BUNDLE, GRY	100 PC	1000	100			C	26.84		
A1C50-A-C8	CORD CLIP, ADH, 0.50" BUNDLE, GRY	100 PC	1000	100			C	29.66		
A2C12-A-C8	CORD CLIP, ADH, 0.12" BUNDLE, GRY	100 PC	1000	100			C	23.65		
A2C25-A-C8	CORD CLIP, ADH, 0.25" BUNDLE, GRY	100 PC	1000	100			C	29.31		
A2C38-A-C8	CORD CLIP, ADH, 0.38" BUNDLE, GRY	100 PC	1000	100			C	30.78		
A2C50-A-C8	CORD CLIP, ADH, 0.50" BUNDLE, GRY	100 PC	1000	100			C	33.26		
ABM1M-A-C	CABLE TIE MOUNT, ADH, 0.5", WHT	100 PC	500	1	100	500	C	52.84	41.26	33.06
ABM1M-A-Q	CABLE TIE MOUNT, ADH, 0.5", WHT	25 PC	250	25			C	54.49		
ABM1M-AT-C	CABLE TIE MOUNT, HI TMP ADH, 0.5", WHT	100 PC	500	1	100	500	C	58.03	45.36	36.24
ABM2S-A-C	CABLE TIE MOUNT, ADH, 1", WHT	100 PC	500	1	100	500	C	95.66	74.69	59.84
ABM2S-A-C14	CABLE TIE MOUNT, ADH, 1", GRY	100 PC	500	1	100	500	C	108.59	84.88	67.81
ABM2S-A-C15	CABLE TIE MOUNT, ADH, 1", IVY	100 PC	500	1	100	500	C	108.59	84.88	67.81
ABM2S-A-Q	CABLE TIE MOUNT, ADH, 1", WHT	25 PC	250	25			C	99.71		
ABM2S-A-X	CABLE TIE MOUNT, ADH, 1", WHT	10 PC	100	10			C	101.00		
ABM2S-AT-C	CABLE TIE MOUNT, HI TMP ADH, 1", WHT	100 PC	500	1	100	500	C	104.40	81.61	65.19
ABM2S-AT-C0	CABLE TIE MOUNT, HI TMP ADH, 1", WR BLK	100 PC	500	1	100	500	C	114.87	89.79	71.73
ABM2S-AT-X0	CABLE TIE MOUNT, HI TMP ADH, 1", WR BLK	10 PC	100	10			C	115.45		
ABM3H-A-L	CABLE TIE MOUNT, ADH, 1.5", WHT	50 PC	500	1	50	500	C	152.73	119.26	95.54
ABM3H-A-L14	CABLE TIE MOUNT, ADH, 1.5", GRY	50 PC	500	1	50	500	C	200.06	156.21	125.15
ABM3H-A-L20	CABLE TIE MOUNT, ADH, 1.5", BLK	50 PC	500	1	50	500	C	200.06	156.21	125.15
ABM3H-A-Q	CABLE TIE MOUNT, ADH, 1.5", WHT	25 PC	250	25			C	158.58		
ABM3H-AT-L	CABLE TIE MOUNT, HI TMP ADH, 1.5", WHT	50 PC	500	1	50	500	C	163.64	127.91	102.19
ABM3H-S6-T	CABLE TIE MOUNT, #6 SCR, 1.5", WHT	200 PC	2000	200			M	614.00		
ABM4H-A-L	CABLE TIE MOUNT, ADH, 2", WHT	50 PC	500	1	50	500	C	174.65	136.37	109.26
ABM4H-A-L20	CABLE TIE MOUNT, ADH, 2", BLK	50 PC	500	1	50	500	C	271.95	212.35	170.13
ABM4H-A-Q	CABLE TIE MOUNT, ADH, 2", WHT	25 PC	250	25			C	184.99		
ABM4H-AT-L	CABLE TIE MOUNT, HI TMP ADH, 2", WHT	50 PC	500	1	50	500	C	217.09	169.69	135.56
ABM4H-S6-T	CABLE TIE MOUNT, #6 SCR, 2", WHT	200 PC	1000	200			M	806.67		
ABM100-A-C	CABLE TIE MOUNT, ADH, 1", WHT	100 PC	1000	1	100	500	C	95.66	74.69	59.84
ABM100-A-C14	CABLE TIE MOUNT, ADH, 1", GRY	100 PC	1000	1	100	500	C	108.59	84.88	67.81
ABM100-A-C15	CABLE TIE MOUNT, ADH, 1", IVY	100 PC	1000	1	100	500	C	108.59	84.88	67.81
ABM100-A-Q	CABLE TIE MOUNT, ADH, 1", WHT	25 PC	250	25			C	99.71		
ABM100-A-X	CABLE TIE MOUNT, ADH, 1", WHT	10 PC	100	10			C	101.00		
ABM100-AT-C	CABLE TIE MOUNT, HI TMP ADH, 1", WHT	100 PC	1000	1	100	500	C	104.40	81.61	65.19
ABM100-AT-C0	CABLE TIE MOUNT, HI TMP ADH, 1", WR BLK	100 PC	1000	1	100	500	C	114.87	89.79	71.73
ABM100-S6-C	CABLE TIE MOUNT, #6 SCR, 1", WHT	100 PC	1000	1	100	500	C	85.28	66.01	53.16
ABM100-S6-C69	CABLE TIE MOUNT, #6 SCR FR, 1", CRM	100 PC	1000	1	100	500	C	139.48	107.97	86.96
ABM112-A-C	CABLE TIE MOUNT, ADH, 1.12", WHT	100 PC	500	1	100	1000	C	104.40	80.81	65.08
ABM112-A-C14	CABLE TIE MOUNT, ADH, 1.12", GRY	100 PC	500	1	100	1000	C	113.33	87.73	70.66
ABM112-A-C15	CABLE TIE MOUNT, ADH, 1.12", IVY	100 PC	500	1	100	1000	C	113.33	87.73	70.66
ABM112-A-Q	CABLE TIE MOUNT, ADH, 1.12", WHT	25 PC	250	25			C	99.71		
ABM112-A-X	CABLE TIE MOUNT, ADH, 1.12", WHT	10 PC	100	10			C	101.00		
ABM112-AT-C	CABLE TIE MOUNT, HI TMP ADH, 1.12", WHT	100 PC	1000	1	100	1000	C	108.96	84.34	67.93
ABM112-AT-C0	CABLE TIE MNT, HI TMP ADH, 1.12", WR BLK	100 PC	1000	1	100	1000	C	119.88	92.80	74.74
ABM112-AT-X0	CABLE TIE MNT, HI TMP ADH, 1.12", WR BLK	10 PC	100	10			C	115.45		
ABM112-S6-C	CABLE TIE MOUNT, #6 SCR, 1.12", WHT	100 PC	1000	1	100	1000	C	85.28	66.01	53.16
ABM112-S6-C69	CABLE TIE MOUNT, #6 SCR FR, 1.12", CRM	100 PC	500	1	100	1000	C	139.48	107.97	86.96
ABMM-A-C	CABLE TIE MOUNT, ADH, 0.75", WHT	100 PC	500	1	100	500	C	71.02	55.46	44.43
ABMM-A-Q	CABLE TIE MOUNT, ADH, 0.75", WHT	25 PC	250	25			C	75.32		
ABMM-A-X	CABLE TIE MOUNT, ADH, 0.75", WHT	10 PC	100	10			C	79.81		
ABMM-AT-C	CABLE TIE MOUNT, HI TMP ADH, 0.75", WHT	100 PC	500	1	100	500	C	79.60	62.22	49.71
ABMM-AT-C0	CABLE TIE MOUNT, HI TMP ADH,.75", WR BLK	100 PC	500	1	100	500	C	87.62	68.49	54.71
ABMM-D	CABLE TIE MOUNT, NON-ADH, 0.75", WHT	500 PC	5000	500			M	315.38		

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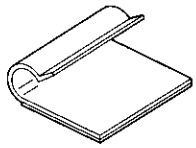
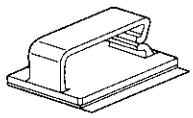
PANDUIT® Wiring Accessories

ARC.68-A Releasable Clamp

ACC Adhesive Backed Cord Clip



AJC Adhesive Backed Wire Clip



BEC Adhesive Backed Bevel Entry Wire Retainer

BR Bundle Retainer

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
ACC19-A-C	CORD CLIP, ADH, 0.19" BUNDLE, NAT	100 PC	500	1	100	1000	C	$ 55.51	$ 43.39	$ 34.66
ACC19-A-C20	CORD CLIP, ADH, 0.19" BUNDLE, BLK	100 PC	500	1	100	1000	C	63.72	49.32	39.72
ACC19-AT-C	CORD CLIP, HI TMP ADH, 0.19" BDL, NAT	100 PC	500	1	100	1000	C	66.63	51.58	41.54
ACC19-AT-C0	CORD CLIP, HI TMP ADH, 0.19" BDL, WR BLK	100 PC	500	1	100	1000	C	69.55	53.84	43.36
ACC38-A-C	CORD CLIP, ADH, 0.38" BUNDLE, NAT	100 PC	500	1	100	1000	C	65.13	50.91	40.67
ACC38-A-C20	CORD CLIP, ADH, 0.38" BUNDLE, BLK	100 PC	500	1	100	1000	C	74.76	57.87	46.61
ACC38-A-X	CORD CLIP, ADH, 0.38" BUNDLE, NAT	10 PC	100	10			C	71.24		
ACC38-AT-C	CORD CLIP, HI TMP ADH, 0.38" BDL, NAT	100 PC	500	1	100	1000	C	78.15	60.50	48.72
ACC38-AT-C0	CORD CLIP, HI TMP ADH, 0.38" BDL, WR BLK	100 PC	500	1	100	1000	C	81.57	63.14	50.85
ACC62-A-C	CORD CLIP, ADH, 0.62" BUNDLE, NAT	100 PC	500	1	100	1000	C	88.74	69.36	55.41
ACC62-A-C20	CORD CLIP, ADH, 0.62" BUNDLE, BLK	100 PC	500	1	100	1000	C	101.98	78.94	63.58
ACC62-AT-C	CORD CLIP, HI TMP ADH, 0.62" BDL, NAT	100 PC	500	1	100	1000	C	102.09	79.80	63.75
ACC62-AT-C0	CORD CLIP, HI TMP ADH, 0.62" BDL, WR BLK	100 PC	500	1	100	1000	C	111.21	86.08	69.33
ADCC31-AT-C10	CORD CLIP, HI TMP ADH, TWO BUNDLES, WHT	100 PC	500	1	100	500	C	62.07	48.04	38.70
AJC12-A-C	CORD CLIP, ADH, 0.12" BUNDLE, GRY	100 PC	1000	100			C	21.10		
AJC19-A-C	CORD CLIP, ADH, 0.19" BUNDLE, GRY	100 PC	1000	1	100	1000	C	32.43	25.35	20.25
AJC25-A-C	CORD CLIP, ADH, 0.25" BUNDLE, GRY	100 PC	1000	100			C	24.53		
AJC31-A-C	CORD CLIP, ADH, 0.31" BUNDLE, GRY	100 PC	1000	100			C	33.25		
AJC38-A-C	CORD CLIP, ADH, 0.38" BUNDLE, GRY	100 PC	1000	100			C	40.16		
AM2-C	CABLE TIE MOUNT, USER-APP ADH, LOW PROF	100 PC	500	1	100	500	C	82.12	64.19	51.28
AMC25-AT-C10	CORD CLIP, ADH, .22"-.28" BUNDLE, WHT	100 PC	1000	100			C	21.24		
ARC.68-A-Q	ADJ REL CLAMP, ADH, 0.69" BDL, WHT	25 PC	250	1	25	250	C	152.35	119.09	95.14
ARC.68-A-Q14	ADJ REL CLAMP, ADH, 0.69" BDL, GRY	25 PC	250	1	25	250	C	152.35	119.09	95.14
ARC.68-S6-Q	ADJ REL CLAMP, #6 SCREW, 0.69" BDL, WHT	25 PC	250	1	25	250	C	92.26	72.12	57.61
ARC.68-S6-Q14	ADJ REL CLAMP, #6 SCREW, 0.69" BDL, GRY	25 PC	250	1	25	250	C	92.26	72.12	57.61
ASMS-A-X	CABLE TIE MOUNT, SWIVEL, EPOXY, 1.13"	10 PC	100	1	10	50	PC	5.45	4.26	3.40
AST10-5-C100	AERIAL SUPPORT TIE, WR POLY, BLK 5.6"	100 PC	1000	100			M	632.12		
AST15-5-C100	AERIAL SUPPORT TIE, WR POLY, BLK 6.9"	100 PC	1000	100			M	702.83		
AST20-5-C100	AERIAL SUPPORT TIE, WR POLY, BLK 8.4"	100 PC	1000	100			M	704.03		
AST25-5-C100	AERIAL SUPPORT TIE, WR POLY, BLK 10.0"	100 PC	1000	100			M	768.66		
BEC38-A-L	CORD CLIP, ADH BEVEL, 0.38" BDL, NAT	50 PC	500	1	50	500	C	103.37	80.80	64.55
BEC38-A-L20	CORD CLIP, ADH BEVEL, 0.38" BDL, BLK	50 PC	500	1	50	500	C	112.60	88.01	70.31
BEC38-AT-L0	CORD CLIP, ADH BEVEL, 0.38" BDL, WR BLK	50 PC	500	1	50	500	C	130.74	102.19	81.64
BEC62-A-L	CORD CLIP, ADH BEVEL, 0.62" BDL, NAT	50 PC	500	1	50	500	C	139.25	108.85	86.96
BEC62-A-L20	CORD CLIP, ADH BEVEL, 0.62" BDL, BLK	50 PC	500	1	50	500	C	154.78	120.99	96.65
BEC62-AT-L0	CORD CLIP, ADH BEVEL, 0.62" BDL, WR BLK	50 PC	500	1	50	500	C	182.08	142.32	113.70
BEC75-A-L	CORD CLIP, ADH BEVEL, 0.75" BDL, NAT	50 PC	500	1	50	500	C	152.51	119.21	95.24
BEC75-A-L20	CORD CLIP, ADH BEVEL, 0.75" BDL, BLK	50 PC	500	1	50	500	C	166.14	129.86	103.75
BEC75-AT-L0	CORD CLIP, ADH BEVEL, 0.75" BDL, WR BLK	50 PC	500	1	50	500	C	192.93	150.81	120.48
BECP38H25-L	CORD CLIP, PUSH MT BEVEL, 0.38 BDL, WHT	50 PC	500	1	50	500	C	83.05	64.29	51.78
BECP38H25-L20	CORD CLIP, PUSH MT BEVEL, 0.38 BDL, BLK	50 PC	500	1	50	500	C	86.37	66.86	53.85
BECP75H25-L	CORD CLIP, PUSH MT BEVEL, 0.75 BDL, WHT	50 PC	500	1	50	500	C	122.58	94.89	76.42
BECP75H25-L20	CORD CLIP, PUSH MT BEVEL, 0.75 BDL, BLK	50 PC	500	1	50	500	C	142.59	110.37	88.89
BR.5-E6-C	BUNDLE RETAINER, 0.50" BDL, #6 SCR, BLK	100 PC	500	100			C	76.57		
BR.75-E6-C	BUNDLE RETAINER, 0.75" BDL, #6 SCR, BLK	100 PC	500	100			C	80.73		
BR2-1.3-A-6	BUNDLE RETAINER, 2" BDL, 1.3" POST, BLK	6 PC	30	1			PC	6.65		
BR2-1.3-A-X	BUNDLE RETAINER, 2" BDL, 1.5" POST, BLK	10 PC	100	1			C	631.66		
BR2-1.3-X	BUNDLE RETAINER, 2" BDL, 1.3" POST, BLK	10 PC		1			C	566.79		
BR2-1.5-X	BUNDLE RETAINER, 2" BDL, 1.5" POST, BLK	10 PC		10			C	613.67		
BR2-4-X	BUNDLE RETAINER, 2" BDL, 4.0" POST, BLK	10 PC		10			C	669.40		
BR2-6-X	BUNDLE RETAINER, 2" BDL, 6.0" POST, BLK	10 PC		10			C	727.83		
CBLS18-C	CIRCUIT BOARD LOCK SUPPORT, 0.19" POST	100 PC	500	1	100	1000	C	18.74	14.50	11.68
CBLS25-C	CIRCUIT BOARD LOCK SUPPORT, 0.25" POST	100 PC	500	1	100	1000	C	19.81	15.34	12.35
CBLS37-C	CIRCUIT BOARD LOCK SUPPORT, 0.38" POST	100 PC	500	1	100	1000	C	20.79	16.10	12.96
CBLS50-C	CIRCUIT BOARD LOCK SUPPORT, 0.50" POST	100 PC	500	1	100	1000	C	22.30	17.26	13.90

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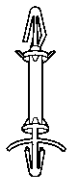
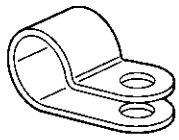
PANDUIT® Wiring Accessories

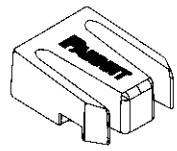


CBLS
Circuit Board Locking Support

CBP
Circuit Board Post



CCH/CCS
Fixed Diameter Clamps



CHW
Cable Hook Wedge

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CBLS62-C	CIRCUIT BOARD LOCK SUPPORT, 0.62" POST	100 PC	500	1	100	1000	C	$ 23.88	$ 18.48	$ 14.89
CBLS75-C	CIRCUIT BOARD LOCK SUPPORT, 0.75" POST	100 PC	500	1	100	1000	C	25.33	19.61	15.79
CBP12-C	CIRCUIT BOARD POST, 0.12" POST, NAT	100 PC	500	1	100	1000	C	20.94	16.21	13.05
CBP25-C	CIRCUIT BOARD POST, 0.25" POST, NAT	100 PC	500	1	100	1000	C	21.44	16.59	13.37
CBP31-C	CIRCUIT BOARD POST, 0.31" POST, NAT	100 PC	500	1	100	1000	C	21.65	16.76	13.50
CBP37-C	CIRCUIT BOARD POST, 0.38" POST, NAT	100 PC	500	1	100	1000	C	21.82	16.89	13.60
CBP50-C	CIRCUIT BOARD POST, 0.50" POST, NAT	100 PC	500	1	100	1000	C	22.23	17.21	13.86
CBP62-C	CIRCUIT BOARD POST, 0.62" POST, NAT	100 PC	500	1	100	1000	C	22.71	17.58	14.16
CBP75-C	CIRCUIT BOARD POST, 0.75" POST, NAT	100 PC	500	1	100	1000	C	23.88	18.48	14.89
CBP87-C	CIRCUIT BOARD POST, 0.88" POST, NAT	100 PC	500	1	100	1000	C	25.17	19.48	15.69
CBP100-C	CIRCUIT BOARD POST, 1.00" POST, NAT	100 PC	500	1	100	1000	C	25.67	19.87	16.00
CCH12-S10-C	FIXED DIA CLAMP, 0.12" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	14.84	11.49	9.25
CCH19-S10-C	FIXED DIA CLAMP, 0.19" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	14.87	11.51	9.27
CCH25-S10-C	FIXED DIA CLAMP, 0.25" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	15.51	12.01	9.67
CCH25-S10-Q0	FIXED DIA CLAMP, 0.25" BDL, #10 SCR, BLK	25 PC	250	25			C	16.34		
CCH31-S10-C	FIXED DIA CLAMP, 0.31" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	16.35	12.65	10.19
CCH38-S10-C	FIXED DIA CLAMP, 0.38" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	17.47	13.52	10.89
CCH38-S10-Q0	FIXED DIA CLAMP, 0.38" BDL, #10 SCR, BLK	25 PC	250	25			C	16.80		
CCH44-S10-C	FIXED DIA CLAMP, 0.44" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	17.73	13.73	11.06
CCH50-S10-C	FIXED DIA CLAMP, 0.50" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	17.90	13.86	11.16
CCH50-S10-Q0	FIXED DIA CLAMP, 0.50" BDL, #10 SCR, BLK	25 PC	250	25			C	17.22		
CCH56-S10-C	FIXED DIA CLAMP, 0.56" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	19.53	15.11	12.17
CCH62-S10-C	FIXED DIA CLAMP, 0.62" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	20.48	15.85	12.77
CCH69-S10-C	FIXED DIA CLAMP, 0.69" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	23.54	18.22	14.68
CCH75-S10-C	FIXED DIA CLAMP, 0.75" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	24.47	18.94	15.26
CCH81-S10-C	FIXED DIA CLAMP, 0.81" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	25.17	19.48	15.69
CCH87-S10-C	FIXED DIA CLAMP, 0.87" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	26.17	20.26	16.32
CCH100-S10-C	FIXED DIA CLAMP, 1.00" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	26.94	20.85	16.79
CCH112-S10-C	FIXED DIA CLAMP, 1.13" BDL, #10 SCR, WHT	100 PC	500	100			M	185.60		
CCH112-S10-C0	FIXED DIA CLAMP, 1.13" BDL, #10 SCR, BLK	100 PC	500	100			M	213.47		
CCH119-S10-C	FIXED DIA CLAMP, 1.19" BDL, #10 SCR, WHT	100 PC	500	100			M	191.81		
CCH119-S10-C0	FIXED DIA CLAMP, 1.19" BDL, #10 SCR, BLK	100 PC	500	100			M	220.61		
CCH125-S10-C	FIXED DIA CLAMP, 1.25" BDL, #10 SCR, WHT	100 PC	500	100			M	197.09		
CCH125-S10-C0	FIXED DIA CLAMP, 1.25" BDL, #10 SCR, BLK	100 PC	500	100			M	226.63		
CCH138-S10-C	FIXED DIA CLAMP, 1.38" BDL, #10 SCR, WHT	100 PC	500	100			M	201.65		
CCH138-S10-C0	FIXED DIA CLAMP, 1.38" BDL, #10 SCR, BLK	100 PC	500	100			M	231.92		
CCH150-S10-C	FIXED DIA CLAMP, 1.50" BDL, #10 SCR, WHT	100 PC	500	100			M	206.36		
CCH150-S10-C0	FIXED DIA CLAMP, 1.50" BDL, #10 SCR, BLK	100 PC	500	100			M	237.30		
CCS12-S8-C	FIXED DIA CLAMP, 0.12" BDL, #8 SCR, WHT	100 PC	500	1	100	1000	C	11.30	8.75	7.05
CCS19-S8-C	FIXED DIA CLAMP, 0.19" BDL, #8 SCR, WHT	100 PC	500	1	100	1000	C	11.33	8.77	7.06
CCS25-S8-C	FIXED DIA CLAMP, 0.25" BDL, #8 SCR, WHT	100 PC	500	1	100	1000	C	11.73	9.08	7.32
CCS25-S10-C	FIXED DIA CLAMP, 0.25" BDL, #10 SCR, WHT	100 PC	500	1	100	1000	C	11.73	9.08	7.32
CCS31-S8-C	FIXED DIA CLAMP, 0.31" BDL, #8 SCR, WHT	100 PC	500	1	100	1000	C	12.02	9.31	7.49
CCS38-S8-C	FIXED DIA CLAMP, 0.38" BDL, #8 SCR, WHT	100 PC	500	1	100	1000	C	12.69	9.82	7.91
CCS44-S8-C	FIXED DIA CLAMP, 0.44" BDL, #8 SCR, WHT	100 PC	500	1	100	1000	C	13.17	10.19	8.21
CCS50-S8-C	FIXED DIA CLAMP, 0.50" BDL, #8 SCR, WHT	100 PC	500	1	100	1000	C	13.48	10.43	8.40
CHW-C20	CABLE HOOK WEDGE FOR TELCO RACK, BLK	100 PC	500	1000			M	490.28		
CLT25F-C3	CORR TUBING SLIT, 0.25" X 100', ORN	1 RL		1			RL	35.76		
CLT25F-C20	CORR TUBING SLIT, 0.25" X 100', BLK	1 RL		1			RL	31.11		
CLT25N-C630	CORR TUBING SLIT, 0.25" X 100', HS BLK	1 RL		1			RL	43.47		
CLT35F-C3	CORR TUBING SLIT, 0.31" X 100', ORN	1 RL		1			RL	40.84		
CLT35F-C20	CORR TUBING SLIT, 0.31" X 100', BLK	1 RL		1			RL	35.50		
CLT35N-C630	CORR TUBING SLIT, 0.31" X 100', HS BLK	1 RL		1			RL	44.35		
CLT38F-C3	CORR TUBING SLIT, 0.38" X 100', ORN	1 RL		1			RL	42.24		
CLT38F-C20	CORR TUBING SLIT, 0.38" X 100', BLK	1 RL		1			RL	36.73		

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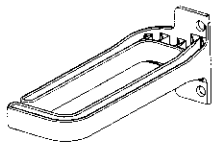
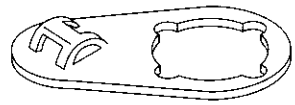
CLT
Corrugated Loom Tubing



CMVDR
Vertical D-Ring

CPH
High Corner Post



CPM
Control Panel Mount

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CLT38N-C630	CORR TUBING SLIT, 0.38" X 100', HS BLK	1 RL		1			RL	$ 46.92	$	$
CLT50F-C3	CORR TUBING SLIT, 0.50" X 100', ORN	1 RL		1			RL	44.77		
CLT50F-C20	CORR TUBING SLIT, 0.50" X 100', BLK	1 RL		1			RL	38.93		
CLT50N-C630	CORR TUBING SLIT, 0.50" X 100', HS BLK	1 RL		1			RL	57.47		
CLT62F-C3	CORR TUBING SLIT, 0.62" X 100', ORN	1 RL		1			RL	52.65		
CLT62F-C20	CORR TUBING SLIT, 0.62" X 100', BLK	1 RL		1			RL	45.77		
CLT62N-C630	CORR TUBING SLIT, 0.62" X 100', HS BLK	1 RL		1			RL	69.73		
CLT75F-C3	CORR TUBING SLIT, 0.75" X 100', ORN	1 RL		1			RL	64.39		
CLT75F-C20	CORR TUBING SLIT, 0.75" X 100', BLK	1 RL		1			RL	55.98		
CLT100F-C3	CORR TUBING SLIT, 1.00" X 100', ORN	1 RL		1			RL	83.04		
CLT100F-C20	CORR TUBING SLIT, 1.00" X 100', BLK	1 RL		1			RL	72.21		
CLT100N-C630	CORR TUBING SLIT, 1.00" X 100', HS BLK	1 RL		1			RL	144.47		
CLT125F-L3	CORR TUBING SLIT, 1.25" X 50', ORN	1 RL		1			RL	51.25		
CLT125F-L4	CORR TUBING SLIT, 1.25" X 50', YLW	1 RL		1			RL	51.25		
CLT125F-L20	CORR TUBING SLIT, 1.25" X 50', BLK	1 RL		1			RL	44.57		
CLT125N-L630	CORR TUBING SLIT, 1.25" X 50', HS BLK	1 RL		1			RL	86.59		
CLT150F-D3	CORR TUBING SLIT, 1.50" X 500', ORN	1 RL		1			RL	433.03		
CLT150F-D4	CORR TUBING SLIT, 1.50" X 500', YLW	1 RL		1			RL	433.03		
CLT150F-D20	CORR TUBING SLIT, 1.50" X 500', BLK	1 RL		1			RL	376.55		
CLT150N-D630	CORR TUBING SLIT, 1.50" X 500', HS BLK	1 RL		1			RL	440.83		
CLT188F-6C3	CORR TUBING SLIT, 1.88" X 600', ORN	1 RL		1			RL	893.09		
CLT188F-6C4	CORR TUBING SLIT, 1.88" X 600', YLW	1 RL		1			RL	893.09		
CLT188F-6C20	CORR TUBING SLIT, 1.88" X 600', BLK	1 RL		1			RL	776.61		
CLT188F-C3	CORR TUBING SLIT, 1.88" X 100', ORN	1 RL		1			RL	173.60		
CLT188F-C4	CORR TUBING SLIT, 1.88" X 100', YLW	1 RL		1			RL	173.60		
CLT188F-C20	CORR TUBING SLIT, 1.88" X 100', BLK	1 RL		1			RL	150.97		
CLTS25F-C	CORR TUBING SOLID, 0.25" X 100', BLK	1 RL		1			RL	31.11		
CLTS25F-C3	CORR TUBING SOLID, 0.25" X 100', ORN	1 RL		1			RL	35.76		
CLTS25N-C	CORR TUBING SOLID, 0.25" X 100', HS BLK	1 RL		1			RL	43.47		
CLTS35F-C	CORR TUBING SOLID, 0.31" X 100', BLK	1 RL		1			RL	35.50		
CLTS35F-C3	CORR TUBING SOLID, 0.31" X 100', ORN	1 RL		1			RL	40.84		
CLTS35N-C	CORR TUBING SOLID, 0.31" X 100', HS BLK	1 RL		1			RL	44.35		
CLTS38F-C	CORR TUBING SOLID, 0.38" X 100', BLK	1 RL		1			RL	36.73		
CLTS38F-C3	CORR TUBING SOLID, 0.38" X 100', ORN	1 RL		1			RL	42.24		
CLTS38N-C	CORR TUBING SOLID, 0.38" X 100', HS BLK	1 RL		1			RL	46.92		
CLTS50F-C	CORR TUBING SOLID, 0.50" X 100', BLK	1 RL		1			RL	38.93		
CLTS50F-C3	CORR TUBING SOLID, 0.50" X 100', ORN	1 RL		1			RL	44.77		
CLTS50N-C	CORR TUBING SOLID, 0.50" X 100', HS BLK	1 RL		1			RL	57.47		
CLTS62F-C	CORR TUBING SOLID, 0.62" X 100', BLK	1 RL		1			RL	45.77		
CLTS62F-C3	CORR TUBING SOLID, 0.62" X 100', ORN	1 RL		1			RL	52.65		
CLTS62N-C	CORR TUBING SOLID, 0.62" X 100', HS BLK	1 RL		1			RL	69.73		
CLTS75F-C	CORR TUBING SOLID, 0.75" X 100', BLK	1 RL		1			RL	55.98		
CLTS75F-C3	CORR TUBING SOLID, 0.75" X 100', ORN	1 RL		1			RL	64.39		
CLTS75N-C	CORR TUBING SOLID, 0.75" X 100', HS BLK	1 RL		1			RL	92.05		
CLTS100F-C	CORR TUBING SOLID, 1.00" X 100', BLK	1 RL		1			RL	72.21		
CLTS100F-C3	CORR TUBING SOLID, 1.00" X 100', ORN	1 RL		1			RL	83.04		
CLTS100N-C	CORR TUBING SOLID, 1.00" X 100', HS BLK	1 RL		1			RL	144.47		
CLTS125F-L	CORR TUBING SOLID, 1.25" X 50', BLK	1 RL		1			RL	44.57		
CLTS125F-L3	CORR TUBING SOLID, 1.25" X 50', ORN	1 RL		1			RL	51.25		
CLTS125N-L	CORR TUBING SOLID, 1.25" X 50', HS BLK	1 RL		1			RL	86.59		
CLTS150F-D	CORR TUBING SOLID, 1.50" X 500', BLK	1 RL		1			RL	376.55		
CLTS150F-D3	CORR TUBING SOLID, 1.50" X 500', ORN	1 RL		1			RL	433.03		
CLTS150N-D	CORR TUBING SOLID, 1.50" X 500', HS BLK	1 RL		1			RL	440.83		
CMVDR1	CABLE MANAGEMENT VERTICAL D-RING	1 PC	10	1	10	50	PC	15.64	12.23	9.77
CMVDR2	CABLE MANAGEMENT VERTICAL D-RING	1 PC	10	1	10	50	PC	17.61	13.77	11.00

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per Sheet.
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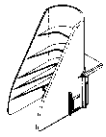
PANDUIT® Wiring Accessories

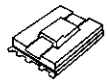
CMW-KIT Waterfall Kit

CMWB Waterfall Base



CMWW Waterfall Fitting

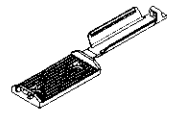
EMA Epoxy Cup



EMS-A Epoxy Applied Mount

ER Elastic Retainer

FCC Flat Cable Mount



FCM Flat Cable Holder

FCPI and FCBI Flat Cable Mounting Plate and Base

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CMVDR2S	CABLE MANAGEMENT VERTICAL D-RING,SHRT	1 PC	10	1	10	50	PC	$ 15.64	$ 12.23	$ 9.77
CMVDRC	CABLE MANAGEMENT VERTICAL D-RING, CNTR	1 PC	10	1	10	50	PC	20.86	16.31	13.03
CMW-KIT	CABLE MGT. WATERFALL KIT	1 KT	10	1			KT	29.60		
CMWB	CABLE MGT. WATERFALL BASE	1 PC	10	1	10	50	PC	25.12	19.64	15.69
CMWW	CABLE MGT. WATERFALL WING	1 PC	10	1	10	50	PC	13.58	10.61	8.48
CPH.75-S8-X	CORNER POST, 0.75" BDL, #8 SCR, HIGH	10 PC	100	10			PC	4.35		
CPL.75-S8-X	CORNER POST, 0.75" BDL, #8 SCR, LOW	10 PC	100	10			PC	3.97		
CPM87S-C	CABLE TIE MOUNT, CONTROL PANEL, 1.22" HL	100 PC	1000	100			C	54.21		
CPM122S-C	CABLE TIE MOUNT, CONTROL PANEL, 0.89" HL	100 PC	1000	100			C	65.80		
CR2-M	CABLE TIE MOUNT, CONNECTOR RING, NAT	1000 PC	10000	1000			M	139.85		
CR2-M0	CABLE TIE MOUNT, CONNECTOR RING, WR BLK	1000 PC	10000	1000			M	166.12		
CR4H-M	CABLE TIE MOUNT, CONNECTOR RING, NAT	1000 PC	10000	1000			M	206.08		
CR4H-M0	CABLE TIE MOUNT, CONNECTOR RING, WR BLK	1000 PC	10000	1000			M	244.73		
CROS-M	CABLE TIE MOUNT, OPEN CONN RING, NAT	1000 PC	5000	1000			M	268.55		
CRS1-X	CABLE RACK SPACER, 1 CAVITY, 0.8" DIA.	10 PC	100	10			C	257.21		
CRS4-125-X	CABLE RACK SPACER, 4 CAVITY, 1.25" DIA.	10 PC	100	10			C	658.08		
CRS6-X	CABLE RACK SPACER, 6 CAVITY, 0.8" DIA.	10 PC	100	10			C	658.08		
CSCS-M	CABLE TIE MOUNT, CABLE SPACER-CROSS, NAT	1000 PC	10000	1000			M	350.87		
CSH-D0	CABLE TIE MOUNT, CABLE SPACER, WR BLK	500 PC	2500	500			M	522.45		
CSH-D20	CABLE TIE MOUNT, CABLE SPACER, BLK	500 PC	2500	500			M	514.81		
EMA-X	EMA EPOXY ADHESIVE	10 PC		1	10	50	PC	5.04	3.94	3.15
EMS-A-C	CABLE TIE MOUNT, EPOXY APPLIED, NAT	100 PC	1000	1	100	500	C	98.26	76.81	61.36
EMS-A-C0	CABLE TIE MOUNT, EPOXY APPLIED, WR BLK	100 PC	1000	1	100	500	C	108.16	84.54	67.54
EMSK3-1-3-0	EPOXY MOUNTING KIT W/ 3 MOUNTS & TIES	1 PC	10	1			PC	6.70		
EMSK3-1-X0	EPOXY MOUNTING KIT W/ 3 MOUNTS	10 PC		1	10	50	PC	9.46	7.39	5.91
EMSK12-4-12-X0	EPOXY MOUNTING KIT W/ 12 MOUNTS & TIES	10 PC	10	1	10	50	PC	35.06	27.14	21.86
ER.5-E4-X	ELASTIC RETAINER, 0.50" BDL, #4 SCR	10 PC	100	10			PC	9.96		
ER1.25-E4-X	ELASTIC RETAINER, 1.25" BDL, #4 SCR	10 PC	100	10			PC	10.25		
FCBI1-A-C20	FLAT CABLE BASE, 1"W CABLE, ADH, BLK	100 PC	1000	1	100	500	C	42.21	32.67	26.31
FCBI1-S10-C20	FLAT CABLE BASE, 1"W CABLE, #10 SCR, BLK	100 PC	1000	1	100	500	C	40.44	31.61	25.25
FCBI2-A-C20	FLAT CABLE BASE, 2"W CABLE, ADH, BLK	100 PC	1000	1	100	500	C	47.37	36.67	29.53
FCBI2-S10-C20	FLAT CABLE BASE, 2"W CABLE, #10 SCR, BLK	100 PC	1000	1	100	500	C	45.39	35.48	28.34
FCBI3-A-C20	FLAT CABLE BASE, 3"W CABLE, ADH, BLK	100 PC	1000	1	100	500	C	59.68	46.19	37.21
FCBI3-S10-C20	FLAT CABLE BASE, 3"W CABLE, #10 SCR, BLK	100 PC	1000	1	100	500	C	57.18	44.70	35.71
FCC-A-C8	FLAT CABLE CLIP, ADH, ANY WIDTH	100 PC	1000	1	100	1000	C	41.08	32.11	25.65
FCC5-A-C8	FLAT CABLE CLIP, ADH, ANY WIDTH	100 PC	1000	1	100	1000	C	33.91	26.51	21.18
FCH2-A-C14	FLAT CABLE HOLDER, ADH, 2.00" W CABLE	100 PC	500	1	100	500	C	193.26	149.59	120.48
FCM1-A-C14	FLAT CABLE HOLDER, ADH, 1.00" W CABLE	100 PC	500	1	100	500	C	112.76	88.05	70.54
FCM1-S6-C14	FLAT CABLE HOLDER, #6 SCR, 1.00" W CABLE	100 PC	1000	1	100	500	C	107.42	83.97	67.08
FCM1.2-A-C14	FLAT CABLE HOLDER, ADH, 1.20" W CABLE	100 PC	1000	1	100	500	C	139.64	109.15	87.20
FCM1.2-S6-C14	FLAT CABLE HOLDER, #6 SCR, 1.20" W CABLE	100 PC	1000	1	100	500	C	115.28	90.11	71.99
FCM2-A-C14	FLAT CABLE HOLDER, ADH, 2.00" W CABLE	100 PC	500	1	100	500	C	125.44	97.95	78.47
FCM2-S6-C14	FLAT CABLE HOLDER, #6 SCR, 2.00" W CABLE	100 PC	1000	1	100	500	C	119.45	93.37	74.59
FCM3.25-A-L14	FLAT CABLE HOLDER, ADH, 3.25" W CABLE	50 PC	500	1	50	250	C	189.29	147.96	118.20
FCM3.25-S6-L14	FLAT CABLE HOLDER, #6 SCR, 3.25" W CABLE	50 PC	500	1	50	250	C	163.03	127.43	101.80
FCPI1-C20	FLAT CABLE PLATE, 1" W CABLE, BLK	100 PC	1000	1	100	500	C	28.88	22.57	18.03
FCPI2-C20	FLAT CABLE PLATE, 2" W CABLE, BLK	100 PC	1000	1	100	500	C	32.84	25.67	20.51
FCPI3-C20	FLAT CABLE PLATE, 3" W CABLE, BLK	100 PC	1000	1	100	500	C	43.37	33.90	27.08
FS156-C	FANNING STRIP, 12" LONG, UP TO 18 AWG	100 PC	1000	100			C	67.11		
FSH40-X	FANNING STRIP HOLDER, 0.62" HIGH	10 PC	100	10			PC	3.26		
FSHH-X	FANNING STRIP HOLDER, 1.38" HIGH	10 PC	100	10			PC	3.73		
GE52-C	GROMMET EDGING, SLOT STRIP, NYLON, NAT	100 PC	1000	100			C	70.19		
GE52-C69	GROMMET EDGING, SLOT STRIP, FR NYL, NAT	100 PC	1000	100			C	111.92		
GE85-C	GROMMET EDGING, SLOT STRIP, NYLON, NAT	100 PC	1000	100			C	77.83		
GE85-C69	GROMMET EDGING, SLOT STRIP, FR NYL, NAT	100 PC	1000	100			C	125.37		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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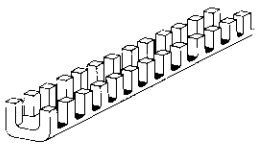
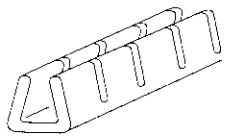
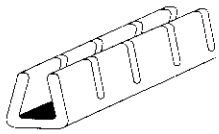


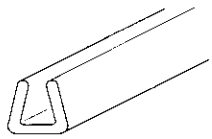
Style GE
Slotted Wall



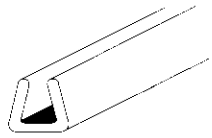
Style GEE
Slotted Wall



Style GEE
Adhesive Lined Slotted Wall



Style GES
Solid Wall



Style GES
Adhesive Lined Solid Wall

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
GE128-C	GROMMET EDGING, SLOT STRIP, NYLON, NAT	100 PC	1000	100			C	$ 85.38	$	$
GE128-C69	GROMMET EDGING, SLOT STRIP, FR NYL, NAT	100 PC	1000	100			C	139.78		
GE192-L	GROMMET EDGING, SLOT STRIP, NYLON, NAT	50 PC	500	50			C	115.88		
GE192-L69	GROMMET EDGING, SLOT STRIP, FR NYL, NAT	50 PC	500	50			C	169.99		
GE255-L	GROMMET EDGING, SLOT STRIP, NYLON, NAT	50 PC	500	50			C	176.61		
GE318-L	GROMMET EDGING, SLOT STRIP, NYLON, NAT	50 PC	500	50			C	213.95		
GE380-Q	GROMMET EDGING, SLOT STRIP, NYLON, NAT	25 PC	250	25			C	224.62		
GE510-Q	GROMMET EDGING, SLOT STRIP, NYLON, NAT	25 PC	250	25			C	241.56		
GEE36F-C	GROMMET EDGING, SLOT 100', POLY, NAT	1 RL		1			RL	28.41		
GEE36F-C0	GROMMET EDGING, SLOT 100', POLY, BLK	1 RL		1			RL	32.54		
GEE36FR-C	GROMMET EDGING, SLOT 100', FR POLY, NAT	1 RL		1			RL	38.90		
GEE47N-C	GROMMET EDGING, SLOT 100', NYLON, NAT	1 RL		1			RL	76.95		
GEE55N-C	GROMMET EDGING, SLOT 100', NYLON, NAT	1 RL		1			RL	78.09		
GEE62F-A-C	GROMMET EDGING, SLOT 100', ADH POLY, NAT	1 RL		1			RL	38.12		
GEE62F-A-C0	GROMMET EDGING, SLOT 100', ADH POLY, BLK	1 RL		1			RL	43.20		
GEE62F-C	GROMMET EDGING, SLOT 100', POLY, NAT	1 RL		1			RL	30.25		
GEE62F-C0	GROMMET EDGING, SLOT 100', POLY, BLK	1 RL		1			RL	34.27		
GEE62FR-C	GROMMET EDGING, SLOT 100', FR POLY, NAT	1 RL		1			RL	40.83		
GEE71N-C	GROMMET EDGING, SLOT 100', NYLON, NAT	1 RL		1			RL	79.86		
GEE98N-C	GROMMET EDGING, SLOT 100', NYLON, NAT	1 RL		1			RL	82.65		
GEE99F-A-C	GROMMET EDGING, SLOT 100', ADH POLY, NAT	1 RL		1			RL	43.63		
GEE99F-A-C0	GROMMET EDGING, SLOT 100', ADH POLY, BLK	1 RL		1			RL	47.77		
GEE99F-C	GROMMET EDGING, SLOT 100', POLY, NAT	1 RL		1			RL	34.62		
GEE99F-C0	GROMMET EDGING, SLOT 100', POLY, BLK	1 RL		1			RL	39.81		
GEE99FR-C	GROMMET EDGING, SLOT 100', FR POLY, NAT	1 RL		1			RL	51.94		
GEE134N-C	GROMMET EDGING, SLOT 100', NYLON, NAT	1 RL		1			RL	88.06		
GEE144F-A-C	GROMMET EDGING, SLOT 100', ADH POLY, NAT	1 RL		1			RL	49.30		
GEE144F-A-C0	GROMMET EDGING, SLOT 100', ADH POLY, BLK	1 RL		1			RL	53.99		
GEE144F-C	GROMMET EDGING, SLOT 100', POLY, NAT	1 RL		1			RL	39.10		
GEE144F-C0	GROMMET EDGING, SLOT 100', POLY, BLK	1 RL		1			RL	44.98		
GEE144FR-C	GROMMET EDGING, SLOT 100', FR POLY, NAT	1 RL		1			RL	58.67		
GES36F-C	GROMMET EDGING, SOLID 100', POLY, NAT	1 RL		1			RL	21.51		
GES36F-C0	GROMMET EDGING, SOLID 100', POLY, BLK	1 RL		1			RL	23.50		
GES36FR-C	GROMMET EDGING, SOLID 100', FR POLY, NAT	1 RL		1			RL	28.01		
GES62F-A-C	GROMMET EDGING, SOLID 100', AD POLY, NAT	1 RL		1			RL	26.64		
GES62F-A-C0	GROMMET EDGING, SOLID 100', AD POLY, BLK	1 RL		1			RL	29.34		
GES62F-C	GROMMET EDGING, SOLID 100', POLY, NAT	1 RL		1			RL	22.41		
GES62F-C0	GROMMET EDGING, SOLID 100', POLY, BLK	1 RL		1			RL	24.64		
GES62FR-C	GROMMET EDGING, SOLID 100', FR POLY, NAT	1 RL		1			RL	30.66		
GES99F-A-C	GROMMET EDGING, SOLID 100', AD POLY, NAT	1 RL		1			RL	30.62		
GES99F-A-C0	GROMMET EDGING, SOLID 100', AD POLY, BLK	1 RL		1			RL	34.11		
GES99F-C	GROMMET EDGING, SOLID 100', POLY, NAT	1 RL		1			RL	25.67		
GES99F-C0	GROMMET EDGING, SOLID 100', POLY, BLK	1 RL		1			RL	28.37		
GES99FR-C	GROMMET EDGING, SOLID 100', FR POLY, NAT	1 RL		1			RL	38.55		
GES144F-A-C	GROMMET EDGING, SOLID 100', AD POLY, NAT	1 RL		1			RL	34.36		
GES144F-A-C0	GROMMET EDGING, SOLID 100', AD POLY, BLK	1 RL		1			RL	37.95		
GES144F-C	GROMMET EDGING, SOLID 100', POLY, NAT	1 RL		1			RL	28.83		
GES144F-C0	GROMMET EDGING, SOLID 100', POLY, BLK	1 RL		1			RL	31.88		
GES144FR-C	GROMMET EDGING, SOLID 100', FR POLY, NAT	1 RL		1			RL	43.27		
GES189F-C	GROMMET EDGING, SOLID 100', POLY, NAT	1 RL		1			RL	36.81		
GES189F-C0	GROMMET EDGING, SOLID 100', POLY, BLK	1 RL		1			RL	40.01		
HB2SP19-X	HARNESS BOARD STANDOFF, 0.19" HOLE, 2"H	10 PC	100	10			PC	5.57		
HB2SP25-X	HARNESS BOARD STANDOFF, 0.25" HOLE, 2"H	10 PC	100	10			PC	5.57		
HB4SP19-X	HARNESS BOARD STANDOFF, 0.19" HOLE, 4"H	10 PC	100	10			PC	7.89		
HB4SP25-X	HARNESS BOARD STANDOFF, 0.25" HOLE, 4"H	10 PC	100	10			PC	7.89		

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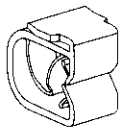
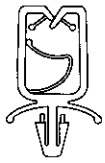
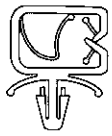
PANDUIT® Wiring Accessories



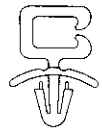
HCMEA
Edge Mount



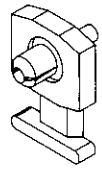
HCMPB
Vertical Harness Clip



HCMP06C
Horizontal Harness Clip



HWS
Horizontal Wire Saddle



KIMS
Knock-In Rivet

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HB6SP19-X	HARNESS BOARD STANDOFF, 0.19" HOLE, 6"H	10 PC	100	10			PC	$ 9.10	$	$
HBN.75-T	HARNESS BOARD NAIL, STANDARD, 0.8"	200 PC	1000	200			C	37.05		
HBN1-T	HARNESS BOARD NAIL, STANDARD, 1.0"	200 PC	1000	200			C	38.10		
HBN1.5-T	HARNESS BOARD NAIL, STANDARD, 1.5"	200 PC	1000	200			C	39.13		
HBN2-T	HARNESS BOARD NAIL, STANDARD, 2.0"	200 PC	1000	200			C	39.89		
HBN2.5-T	HARNESS BOARD NAIL, STANDARD, 2.5"	200 PC	1000	200			C	41.04		
HBN3-T	HARNESS BOARD NAIL, STANDARD, 3.0"	200 PC	1000	200			C	50.43		
HBN4-T	HARNESS BOARD NAIL, STANDARD, 4.0"	200 PC	1000	200			C	61.10		
HBP2AB-X	HARNESS BOARD PTR2 ADAPTER BASE	10 PC	100	10			PC	3.38		
HBUA-X	HARNESS BOARD UNIVERSAL ADAPTER	10 PC	100	10			PC	1.32		
HCME06A12-C130	HARNESS CLIP, EDGE MOUNT, .24"-.47" BDL	100 PC	500	1	100	1000	C	54.96	42.96	34.32
HCMP06B12-C20	HARNESS CLIP, VERTICAL, .24"-.47" BDL	100 PC	500	1	100	1000	C	54.96	42.96	34.32
HCMP06C12-C20	HARNESS CLIP, HORIZONTAL, .24"-.47" BDL	100 PC	500	1	100	1000	C	54.96	42.96	34.32
HSC.25-L	SIDING CLIP, HORIZ., 0.25" BDL, WHT	50 PC	500	1	50	500	C	49.83	38.95	31.12
HSC.25-L100	SIDING CLIP, HORIZ., 0.25" BDL, WR BLK	50 PC	500	1	50	500	C	45.30	35.41	28.29
HWS2819-C	WIRE SADDLE, HORIZ., 0.19" X 0.28" BDL	100 PC	500	1	100	1000	C	11.33	8.77	7.06
KIMS-H366-C2	CABLE TIE MOUNT, KNOCK-IN LOW PROF, RED	100 PC	1000	1	100	500	C	40.94	31.69	25.52
KIMS-H430-C6	CABLE TIE MOUNT, KNOCK-IN LOW PROF, BLU	100 PC	1000	1	100	500	C	40.94	31.69	25.52
KIMS-H500-C4	CABLE TIE MOUNT, KNOCK-IN LOW PROF, YEL	100 PC	1000	1	100	500	C	40.94	31.69	25.52
KP-507	FIX DIA CLAMP KIT	1 KT		1			KT	98.45		
KP-509	CABLE TIE AND ACCESSORIES DESIGNER'S KIT	1 KT		1			KT	132.72		
KP-512	DATA COMMUNICATIONS SAMPLE KIT	1 PC	5	1			KT	86.34		
LC3-A-C8	LATCHING CLIP, ADH, 0.20 SQ. IN. BDL	100 PC	1000	100			C	28.23		
LC5-A-C8	LATCHING CLIP, ADH, 0.36 SQ. IN. BDL	100 PC	1000	100			C	36.31		
LC10-A-L8	LATCHING CLIP, ADH, 0.93 SQ. IN. BDL	50 PC	500	50			C	50.74		
LHMS-S5-C	CABLE TIE MOUNT, LIGHTENING HOLE #5 SCR	100 PC	500	1	100	500	C	223.11	172.70	139.09
LHMS-S5-D	CABLE TIE MOUNT, LIGHTENING HOLE #5 SCR	500 PC	2500	500			M	958.47		
LHMS-S6-D	CABLE TIE MOUNT, LIGHTENING HOLE #6 SCR	500 PC	2500	500			M	958.47		
LHMS-S10-D	CABLE TIE MOUNT, LIGHTENING HOLE #10 SCR	500 PC	2500	500			M	958.47		
LPFCM14-A-C14	LOW PROF FLAT CABLE MOUNT, ADH, 1.4" W	100 PC	500	1	100	1000	C	78.87	61.65	49.25
LPFCM22-A-C14	LOW PROF FLAT CABLE MOUNT, ADH, 2.2" W	100 PC	500	1	100	1000	C	81.11	63.40	50.65
LPFCM34-A-C14	LOW PROF FLAT CABLE MOUNT, ADH, 3.4" W	100 PC	500	1	100	1000	C	84.04	65.69	52.48
LPMM-S2-C	CABLE TIE MOUNT, LOW PROFILE, #2 SCR	100 PC	1000	1	100	500	C	22.92	17.74	14.29
LPMM-S5-C	CABLE TIE MOUNT, LOW PROFILE, #5 SCR	100 PC	1000	1	100	500	C	22.92	17.74	14.29
LPMS-S8-C	CABLE TIE MOUNT, LOW PROFILE, #8 SCR	100 PC	1000	1	100	500	C	28.37	21.96	17.69
LWC19-A-C	CORD CLIP, ADH, 0.19" BUNDLE, NAT	100 PC	1000	1	100	1000	C	60.78	47.51	37.95
LWC19-A-C14	CORD CLIP, ADH, 0.19" BUNDLE, GRY	100 PC	1000	1	100	1000	C	60.78	47.51	37.95
LWC19-A-C20	CORD CLIP, ADH, 0.19" BUNDLE, BLK	100 PC	1000	1	100	1000	C	123.27	96.36	76.98
LWC19-H25-C	CORD CLIP, PUSH MOUNT, 0.19" BUNDLE, NAT	100 PC	1000	1	100	1000	C	38.86	30.38	24.27
LWC19-H25-C14	CORD CLIP, PUSH MOUNT, 0.19" BUNDLE, GRY	100 PC	1000	1	100	1000	C	38.79	30.32	24.22
LWC25-A-C	CORD CLIP, ADH, 0.25" BUNDLE, NAT	100 PC	1000	1	100	1000	C	69.02	53.95	43.10
LWC25-A-C14	CORD CLIP, ADH, 0.25" BUNDLE, GRY	100 PC	1000	1	100	1000	C	69.02	53.95	43.10
LWC25-A-C20	CORD CLIP, ADH, 0.25" BUNDLE, BLK	100 PC	1000	1	100	1000	C	130.62	102.10	81.57
LWC25-H25-C	CORD CLIP, PUSH MOUNT, 0.25" BUNDLE, NAT	100 PC	1000	1	100	1000	C	42.87	33.51	26.77
LWC25-H25-C14	CORD CLIP, PUSH MOUNT, 0.25" BUNDLE, GRY	100 PC	1000	1	100	1000	C	45.00	35.17	28.10
LWC25-H25-C20	CORD CLIP, PUSH MOUNT, 0.25" BUNDLE, BLK	100 PC	1000	1	100	1000	C	47.15	36.86	29.44
LWC38-A-C	CORD CLIP, ADH, 0.38" BUNDLE, NAT	100 PC	1000	1	100	1000	C	75.55	59.05	47.18
LWC38-A-C14	CORD CLIP, ADH, 0.38" BUNDLE, GRY	100 PC	1000	1	100	1000	C	75.55	59.05	47.18
LWC38-A-C20	CORD CLIP, ADH, 0.38" BUNDLE, BLK	100 PC	1000	1	100	1000	C	138.00	107.87	86.17
LWC38-H25-C	CORD CLIP, PUSH MOUNT, 0.38" BUNDLE, NAT	100 PC	1000	1	100	1000	C	47.43	37.07	29.62
LWC38-H25-C14	CORD CLIP, PUSH MOUNT, 0.38" BUNDLE, GRY	100 PC	1000	1	100	1000	C	47.43	37.07	29.62
LWC38-H25-C20	CORD CLIP, PUSH MOUNT, 0.38" BUNDLE, BLK	100 PC	1000	1	100	1000	C	52.17	40.78	32.58
LWC50-A-L	CORD CLIP, ADH, 0.50" BUNDLE, NAT	50 PC	500	1	50	500	C	125.24	97.90	78.21
LWC50-A-L14	CORD CLIP, ADH, 0.50" BUNDLE, GRY	50 PC	500	1	50	500	C	125.24	97.90	78.21
LWC50-A-L20	CORD CLIP, ADH, 0.50" BUNDLE, BLK	50 PC	500	1	50	500	C	145.35	113.61	90.76

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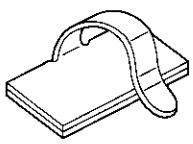
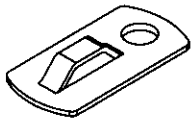
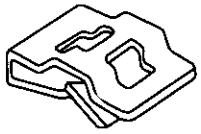
PANDUIT® Wiring Accessories



MACC
Metal Cord Clip



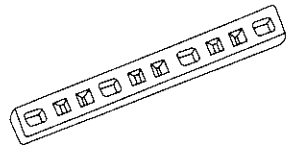
MBMS
Low Profile Metal Mount



MCMS
Metal Clip-On Mount

MPMS
Masonry Push Mount

MPMW
Masonry Push Mount



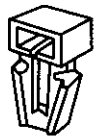
MTP
Multiple Tie Plate

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LWC50-H25-L	CORD CLIP, PUSH MOUNT, 0.50" BUNDLE, NAT	50 PC	500	1	50	500	C	$ 50.36	$ 39.36	$ 31.45
LWC50-H25-L14	CORD CLIP, PUSH MOUNT, 0.50" BUNDLE, GRY	50 PC	500	1	50	500	C	50.36	39.36	31.45
LWC50-H25-L20	CORD CLIP, PUSH MOUNT, 0.50" BUNDLE, BLK	50 PC	500	1	50	500	C	55.37	43.28	34.58
LWC75-A-C	CORD CLIP, ADH, 0.75" BUNDLE, NAT	100 PC	1000	1	100	1000	M	1642.48	1283.86	1025.65
LWC75-A-C14	CORD CLIP, ADH, 0.75" BUNDLE, GRY	100 PC	1000	1	100	1000	M	1642.48	1283.86	1025.65
LWC75-A-L	CORD CLIP, ADH, 0.75" BUNDLE, NAT	50 PC	500	1	50	500	C	239.74	187.40	149.71
LWC75-A-L14	CORD CLIP, ADH, 0.75" BUNDLE, GRY	50 PC	500	1	50	500	C	239.74	187.40	149.71
LWC75-A-L20	CORD CLIP, ADH, 0.75" BUNDLE, BLK	50 PC	500	1	50	500	C	249.34	194.90	155.70
LWC75-H25-C	CORD CLIP, PUSH MOUNT, 0.75" BUNDLE, NAT	100 PC	1000	1	100	1000	M	609.94	476.77	380.88
LWC75-H25-C14	CORD CLIP, PUSH MOUNT, 0.75" BUNDLE, GRY	100 PC	1000	1	100	1000	M	609.94	476.77	380.88
LWC75-H25-L	CORD CLIP, PUSH MOUNT, 0.75" BUNDLE, NAT	50 PC	500	1	50	500	C	91.49	71.51	57.13
LWC75-H25-L14	CORD CLIP, PUSH MOUNT, 0.75" BUNDLE, GRY	50 PC	500	1	50	500	C	91.49	71.51	57.13
LWC75-H25-L20	CORD CLIP, PUSH MOUNT, 0.75" BUNDLE, BLK	50 PC	500	1	50	500	C	185.81	145.24	116.03
LWC100-A-C	CORD CLIP, ADH, 1.00" BUNDLE, NAT	100 PC	1000	1	100	1000	M	1804.25	1410.31	1126.67
LWC100-A-C14	CORD CLIP, ADH, 1.00" BUNDLE, GRY	100 PC	1000	1	100	1000	M	1804.25	1410.31	1126.67
LWC100-A-L	CORD CLIP, ADH, 1.00" BUNDLE, NAT	50 PC	500	1	50	500	C	248.99	194.63	155.48
LWC100-A-L14	CORD CLIP, ADH, 1.00" BUNDLE, GRY	50 PC	500	1	50	500	C	248.99	194.63	155.48
LWC100-A-L20	CORD CLIP, ADH, 1.00" BUNDLE, BLK	50 PC	500	1	50	500	C	393.72	307.75	245.86
LWC100-H25-C	CORD CLIP, PUSH MOUNT, 1.00" BUNDLE, NAT	100 PC	1000	1	100	1000	M	1063.77	831.51	664.28
LWC100-H25-C14	CORD CLIP, PUSH MOUNT, 1.00" BUNDLE, GRY	100 PC	1000	1	100	1000	M	1063.77	831.51	664.28
LWC100-H25-L	CORD CLIP, PUSH MOUNT, 1.00" BUNDLE, NAT	50 PC	500	1	50	500	C	100.58	78.62	62.81
LWC100-H25-L14	CORD CLIP, PUSH MOUNT, 1.00" BUNDLE, GRY	50 PC	500	1	50	500	C	100.58	78.62	62.81
LWC100-H25-L20	CORD CLIP, PUSH MOUNT, 1.00" BUNDLE, BLK	50 PC	500	1	50	500	C	219.79	171.80	137.25
MACC25-A-C	CORD CLIP, METAL ADH, 0.25" BUNDLE	100 PC	1000	1	100	1000	C	55.23	43.17	34.49
MACC62-A-C	CORD CLIP, METAL ADH, 0.62" BUNDLE	100 PC	1000	1	100	1000	C	89.22	69.74	55.71
MBMS-S10-C	CABLE TIE MOUNT, METAL, #10 SCR	100 PC	1000	1	100	500	C	37.48	29.01	23.36
MCEH-S25-C0	LASHING TIE MOUNTING CLIP, 1/4" SCR	100 PC	1000	100			M	653.51		
MCMS12-P-C	CABLE TIE MOUNT, METAL CLIP-ON	100 PC	500	100			C	54.21		
MCMS25-P-C	CABLE TIE MOUNT, METAL CLIP-ON	100 PC	500	100			C	59.26		
MP150-C	MARKER PLATE, 1.50" X 0.75", WHT	100 PC	500	1	100	500	C	63.41	49.57	39.60
MP150-C0	MARKER PLATE, 1.50" X 0.75", WR BLK	100 PC	500	1	100	500	C	86.35	66.84	53.83
MP175-C	MARKER PLATE, 1.75" X 0.75", WHT	100 PC	500	1	100	500	C	64.78	50.64	40.45
MP175-C0	MARKER PLATE, 1.75" X 0.75", WR BLK	100 PC	500	1	100	500	C	89.77	69.49	55.96
MP200-C	MARKER PLATE, 2.00" X 0.75", WHT	100 PC	500	1	100	500	C	69.27	54.15	43.26
MP200-C0	MARKER PLATE, 2.00" X 0.75", WR BLK	100 PC	500	1	100	500	C	92.73	71.78	57.81
MP250-C	MARKER PLATE, 2.50" X 0.75", WHT	100 PC	500	1	100	500	C	74.59	58.30	46.58
MP250-C0	MARKER PLATE, 2.50" X 0.75", WR BLK	100 PC	500	1	100	500	C	102.44	79.29	63.86
MP250W175-C	MARKER PLATE, 2.50" X 1.75", WHT	100 PC	1000	1	100	500	C	131.61	102.87	82.18
MP350-C	MARKER PLATE, 3.50" X 0.75", WHT	100 PC	1000	1	100	500	C	85.17	66.57	53.18
MP350-C0	MARKER PLATE, 3.50" X 0.75", WR BLK	100 PC	1000	1	100	500	C	118.28	91.56	73.74
MPMH38-L0	MASONRY PUSH MOUNT,HEAVY,BLK,0.38" HL	50 PC	500	1	50	500	C	72.14	56.39	45.05
MPMS19-C0	MASONRY PUSH MOUNT,STD,BLK,0.19" HL	100 PC	500	1	100	500	C	54.00	42.21	33.72
MPMS25-C0	MASONRY PUSH MOUNT,STD,BLK,0.25" HL	100 PC	500	1	100	500	C	60.09	46.97	37.52
MPMWH32-L0	MASONRY PUSH MOUNT,HEAVY,BLK,0.31" HL	50 PC	500	1	50	500	C	84.02	65.68	52.47
MTP1H-E6-C	MULT TIE PLATE, 1 BDL, M-H TIES, #6 SCR	100 PC	1000	100			C	309.92		
MTP1H-E10-C	MULT TIE PLATE, 1 BDL, M-H TIES, #10 SCR	100 PC	1000	100			C	309.92		
MTP1S-E6-C	MULT TIE PLATE, 1 BDL, M-S TIES, #6 SCR	100 PC	1000	100			C	62.87		
MTP1S-E10-C	MULT TIE PLATE, 1 BDL, M-S TIES, #10 SCR	100 PC	1000	100			C	62.87		
MTP2H-E6-C	MULT TIE PLATE, 2 BDL, M-H TIES, #6 SCR	100 PC	1000	100			C	311.15		
MTP2H-E10-C	MULT TIE PLATE, 2 BDL, M-H TIES, #10 SCR	100 PC	1000	100			C	311.15		
MTP2S-E6-C	MULT TIE PLATE, 2 BDL, M-S TIES, #6 SCR	100 PC	1000	100			C	76.26		
MTP2S-E10-C	MULT TIE PLATE, 2 BDL, M-S TIES, #10 SCR	100 PC	1000	100			C	76.26		
MTP3H-E6-C	MULT TIE PLATE, 3 BDL, M-H TIES, #6 SCR	100 PC	1000	100			C	323.33		
MTP3H-E10-C	MULT TIE PLATE, 3 BDL, M-H TIES, #10 SCR	100 PC	1000	100			C	323.33		
MTP3S-E6-C	MULT TIE PLATE, 3 BDL, M-S TIES, #6 SCR	100 PC	1000	100			C	88.04		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per Sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Wiring Accessories

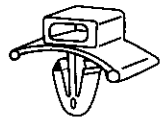
PMCC
Wing Push Mount



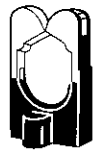
PM2H25
Push Mount

PPF2S
PAN-POST

PPF2SV
PAN-POST



PWMS-H25
Push
Mount



RER
Elastic
Retainer

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
MTP3S-E10-C	MULT TIE PLATE, 3 BDL, M-S TIES, #10 SCR	100 PC	1000	100			C	$ 88.04	$	$
MTP4H-E6-C	MULT TIE PLATE, 4 BDL, M-H TIES, #6 SCR	100 PC	1000	100			C	352.66		
MTP4H-E10-C	MULT TIE PLATE, 4 BDL, M-H TIES, #10 SCR	100 PC	1000	100			C	352.66		
MTP4S-E6-C	MULT TIE PLATE, 4 BDL, M-S TIES, #6 SCR	100 PC	1000	100			C	169.59		
MTP4S-E10-C	MULT TIE PLATE, 4 BDL, M-S TIES, #10 SCR	100 PC	1000	100			C	169.59		
MTP5H-E6-C	MULT TIE PLATE, 5 BDL, M-H TIES, #6 SCR	100 PC	1000	100			C	379.02		
MTP5H-E10-C	MULT TIE PLATE, 5 BDL, M-H TIES, #10 SCR	100 PC	1000	100			C	379.02		
MTP5S-E6-C	MULT TIE PLATE, 5 BDL, M-S TIES, #6 SCR	100 PC	1000	100			C	235.70		
MTP5S-E10-C	MULT TIE PLATE, 5 BDL, M-S TIES, #10 SCR	100 PC	1000	100			C	235.70		
MTP6H-E6-C	MULT TIE PLATE, 6 BDL, M-H TIES, #6 SCR	100 PC	1000	100			C	431.27		
MTP6H-E10-C	MULT TIE PLATE, 6 BDL, M-H TIES, #10 SCR	100 PC	1000	100			C	431.27		
PBMS-H25-C	CABLE TIE MOUNT, PUSH BUTTON, NAT	100 PC	1000	1	100	500	C	36.75	28.73	22.95
PBMS-H25-C14	CABLE TIE MOUNT, PUSH BUTTON, GRY	100 PC	1000	1	100	500	C	36.75	28.73	22.95
PBSC1-X	HARNESS BOARD SPRING WIRE BREAKOUT, 1"	10 PC	100	10			PC	2.20		
PBSC3-X	HARNESS BOARD SPRING WIRE BREAKOUT, 3"	10 PC	100	10			PC	3.34		
PBSC6-X	HARNESS BOARD SPRING WIRE BREAKOUT, 6"	10 PC	100	10			PC	4.45		
PBSC12-X	HARNESS BOARD SPRING WIRE BREAKOUT, 12"	10 PC	100	10			PC	5.96		
PM2H25-C	CABLE TIE MOUNT, PUSH MOUNT, NAT	100 PC	500	1	100	500	C	32.95	25.76	20.58
PMCC38H25-C	CORD CLIP, PUSH MOUNT, 0.38" BDL, NAT	100 PC	1000	1	100	1000	C	47.98	37.47	30.02
PP1S-S10-X	CABLE TIE MOUNT, STANDOFF, 2.0"H #10 SCR	10 PC	100	1	10	50	PC	1.53	1.20	0.96
PP1S-S12-X	CABLE TIE MOUNT, STANDOFF, 2.0"H #12 SCR	10 PC	100	1	10	50	PC	1.53	1.20	0.96
PP2S-S10-X	CABLE TIE MOUNT, STANDOFF, 4.6"H #10 SCR	10 PC	100	1	10	50	PC	1.99	1.56	1.24
PP2S-S12-X	CABLE TIE MOUNT, STANDOFF, 4.6"H #12 SCR	10 PC	100	1	10	50	PC	1.99	1.56	1.24
PPF2S-S25-V	FLAT PAN POST	5 PC	100	10			PC	1.72		
PPF2S-S25-V69	FLAT PAN POST, FLAME RTD.	5 PC	100	10			PC	2.58		
PPF2SV-S25-V	FLAT PAN POST, TAK-TY	5 PC	100	10			PC	1.90		
PPF2SV-S25-V69	FLAT PAN POST, TAK-TY, FLAME RTD.	5 PC	100	10			PC	2.87		
PWMS-H25-C	CABLE TIE MOUNT, WINGED PUSH MOUNT, NAT	100 PC	1000	1	100	500	C	37.98	29.40	23.68
RAFCBI1-S6-C20	CABLE TIE MOUNT, RIGHT ANGLE BASE, 1"H	100 PC	1000	1	100	500	C	107.29	83.86	67.00
RAFCBI2-S6-C20	CABLE TIE MOUNT, RIGHT ANGLE BASE, 2"H	100 PC	1000	1	100	500	C	125.45	98.06	78.34
RAFCBI3-S6-C20	CABLE TIE MOUNT, RIGHT ANGLE BASE, 3"H	100 PC	1000	1	100	500	C	134.58	105.20	84.04
RAMH-S6-D	CABLE TIE MOUNT, RIGHT ANGLE, #6 SCR	500 PC	5000	500			M	766.27		
RAMH-S10-D	CABLE TIE MOUNT, RIGHT ANGLE, #10 SCR	500 PC	5000	500			M	766.27		
RAMS-S3-M	CABLE TIE MOUNT, RIGHT ANGLE, #3 SCR	1000 PC	5000	1000			M	363.21		
RER.5-S6-X	ELASTIC RETAINER, REP, 0.50" BDL, #6 SCR	10 PC	50	10			PC	4.56		
RER.5E-X	REPLACEMENT ELASTIC FOR RER.5-S6-X	10 PC		10			PC	2.04		
RER.75-S6-X	ELASTIC RETAINER, REP, 0.75" BDL, #6 SCR	10 PC	50	10			PC	4.80		
RER.75E-X	REPLACEMENT ELASTIC FOR RER.75-S6-X	10 PC		10			PC	2.10		
RER1.25-S6-X	ELASTIC RETAINER, REP,1.25" BDL, #6 SCR	10 PC	50	10			PC	5.01		
RER1.25E-X	REPLACEMENT ELASTIC FOR RER1.25-S6-X	10 PC		10			PC	2.13		
SACS50-T100	STACKABLE TELCO CABLE SPACER, WR BLK	200 PC	2000	200			M	269.78		
SE12P-MR0	EXP SLEEVING, 1/8" (3.2MM), BLK	1 RL	2	1	2	3	RL	337.86	300.56	283.01
SE12P-MR8	EXP SLEEVING, 1/8" (3.2MM), GRY	1 RL	2	1	2	3	RL	337.86	300.56	283.01
SE12P-MR10	EXP SLEEVING, 1/8" (3.2MM), WHT	1 RL	2	1	2	3	RL	337.86	300.56	283.01
SE12P-TR0	EXP SLEEVING,1/8" (31.8MM),BLK	1 RL	4	1	4	20	RL	103.79	90.68	81.55
SE12P-TR8	EXP SLEEVING, 1/8" (31.8MM),GRY	1 RL	4	1	4	20	RL	103.79	90.68	81.55
SE12PFR-MR0	EXP SLEEVING, 1/8" (3.2MM), FL RET, BLK	1 RL	2	1	2	3	RL	466.33	414.85	390.62
SE12PFR-MR8	EXP SLEEVING, 1/8" (3.2MM), FL RET, GRY	1 RL	2	1	2	3	RL	466.33	414.85	390.62
SE12PFR-MR10	EXP SLEEVING,1/8" (3.2MM), FL RET, WHT	1 RL	2	1	2	3	RL	466.33	414.85	390.62
SE12PFR-TR0	EXP SLEEVING, 1/8" (31.8MM),FL RET, BLK	1 RL	4	1	4	20	RL	143.29	125.18	112.58
SE12PFR-TR8	EXP SLEEVING, 1/8" (31.8MM),FL RET, GRY	1 RL	4	1	4	20	RL	143.29	125.18	112.58
SE25P-MR0	EXP SLEEVING,1/4" (6.4MM),BLK	1 RL	2	1	2	3	RL	453.82	403.73	380.15
SE25P-MR8	EXP SLEEVING, 1/4" (6.4MM),GRY	1 RL	2	1	2	3	RL	453.82	403.73	380.15
SE25P-MR10	EXP SLEEVING, 1/4" (6.4MM),WHT	1 RL	2	1	2	3	RL	453.82	403.73	380.15
SE25P-TR0	EXP SLEEVING, 1/4" (6.4MM),BLK	1 RL	4	1	4	20	RL	139.45	121.83	109.57

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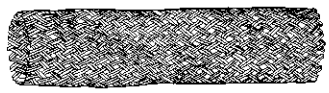

SE
Braided Expandable Sleeving

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SE25P-TR8	EXP SLEEVING, 1/4" (6.4MM),GRY	1 RL	4	1	4	20	RL	$ 139.45	$ 121.83	$ 109.57
SE25PFR-MR0	EXP SLEEVING, 1/4" (6.4MM),FL RET, BLK	1 RL	2	1	2	3	RL	626.27	557.14	524.60
SE25PFR-MR8	EXP SLEEVING, 1/4" (6.4MM), FL RET, GRY	1 RL	2	1	2	3	RL	626.27	557.14	524.60
SE25PFR-MR10	EXP SLEEVING, 1/4" (6.4MM), FL RET, WHT	1 RL	2	1	2	3	RL	626.27	557.14	524.60
SE25PFR-TR0	EXP SLEEVING, 1/4" (6.4MM),FL RET, BLK	1 RL	4	1	4	20	RL	192.41	168.09	151.18
SE25PFR-TR8	EXP SLEEVING, 1/4" (6.4MM),FL RET, GRY	1 RL	4	1	4	20	RL	192.41	168.09	151.18
SE38P-MR0	EXP SLEEVING, 3/8" (9.5MM),BLK	1 RL	2	1	2	3	RL	637.02	566.70	533.61
SE38P-MR8	EXP SLEEVING, 3/8" (9.5MM),GRY	1 RL	2	1	2	3	RL	637.02	566.70	533.61
SE38P-MR10	EXP SLEEVING, 3/8" (9.5MM),WHT	1 RL	2	1	2	3	RL	637.02	566.70	533.61
SE38P-TR0	EXP SLEEVING, 3/8" (9.5MM),BLK	1 RL	4	1	4	20	RL	195.69	170.96	153.75
SE38P-TR8	EXP SLEEVING, 3/8" (9.5MM),GRY	1 RL	4	1	4	20	RL	195.69	170.96	153.75
SE38PFR-MR0	EXP SLEEVING, 3/8" (9.5MM),FL RET, BLK	1 RL	2	1	2	3	RL	845.43	752.10	708.18
SE38PFR-MR8	EXP SLEEVING, 3/8" (9.5MM),FL RET, GRY	1 RL	2	1	2	3	RL	845.43	752.10	708.18
SE38PFR-MR10	EXP SLEEVING, 3/8" (9.5MM),FL RET, WHT	1 RL	2	1	2	3	RL	845.43	752.10	708.18
SE38PFR-TR0	EXP SLEEVING, 3/8" (9.5MM),FL RET, BLK	1 RL	4	1	4	20	RL	259.77	226.94	204.10
SE38PFR-TR8	EXP SLEEVING, 3/8" (9.5MM),FL RET, GRY	1 RL	4	1	4	20	RL	259.77	226.94	204.10
SE50P-CR0	EXP SLEEVING, 1/2" (12.7MM),BLK	1 RL	4	1	4	20	RL	131.48	114.86	103.30
SE50P-CR8	EXP SLEEVING, 1/2" (12.7MM),GRY	1 RL	4	1	4	20	RL	131.48	114.86	103.30
SE50P-DR0	EXP SLEEVING, 1/2" (12.7MM), BLK	1 RL	2	1	2	5	RL	428.09	380.83	358.59
SE50P-DR8	EXP SLEEVING, 1/2" (12.7MM), GRY	1 RL	2	1	2	5	RL	428.09	380.83	358.59
SE50P-DR10	EXP SLEEVING, 1/2" (12.7MM), WHT	1 RL	2	1	2	5	RL	428.09	380.83	358.59
SE50PFR-CR0	EXP SLEEVING, 1/2" (12.7MM),FL RET, BLK	1 RL	4	1	4	20	RL	181.51	158.57	142.61
SE50PFR-CR8	EXP SLEEVING, 1/2" (12.7MM),FL RET, GRY	1 RL	4	1	4	20	RL	181.51	158.57	142.61
SE50PFR-DR0	EXP SLEEVING, 1/2" (12.7MM), FL RET,BLK	1 RL	2	1	2	5	RL	590.74	525.53	494.84
SE50PFR-DR8	EXP SLEEVING, 1/2" (12.7MM), FL RET,GRY	1 RL	2	1	2	5	RL	590.74	525.53	494.84
SE50PFR-DR10	EXP SLEEVING, 1/2" (12.7MM), FL RET,WHT	1 RL	2	1	2	5	RL	590.74	525.53	494.84
SE75P-CR0	EXP SLEEVING, 3/4" (19.1MM),BLK	1 RL	4	1	4	20	RL	165.09	144.23	129.72
SE75P-CR8	EXP SLEEVING, 3/4" (19.1MM),GRY	1 RL	4	1	4	20	RL	165.09	144.23	129.72
SE75P-DR0	EXP SLEEVING, 3/4" (19.1MM),BLK	1 RL	2	1	2	5	RL	537.34	478.02	450.11
SE75P-DR8	EXP SLEEVING, 3/4" (19.1MM),GRY	1 RL	2	1	2	5	RL	537.34	478.02	450.11
SE75P-DR10	EXP SLEEVING, 3/4" (19.1MM),WHT	1 RL	2	1	2	5	RL	537.34	478.02	450.11
SE75PFR-CR0	EXP SLEEVING, 3/4" (19.1MM),FL RET, BLK	1 RL	4	1	4	20	RL	227.85	199.05	179.02
SE75PFR-CR8	EXP SLEEVING, 3/4" (19.1MM),FL RET, GRY	1 RL	4	1	4	20	RL	227.85	199.05	179.02
SE75PFR-DR0	EXP SLEEVING, 3/4" (19.1MM),FL RET, BLK	1 RL	2	1	2	5	RL	741.43	659.59	621.07
SE75PFR-DR8	EXP SLEEVING, 3/4" (19.1MM),FL RET, GRY	1 RL	2	1	2	5	RL	741.43	659.59	621.07
SE75PFR-DR10	EXP SLEEVING, 3/4" (19.1MM),FL RET, WHT	1 RL	2	1	2	5	RL	741.43	659.59	621.07
SE125P-LR0	EXP SLEEVING, 1.25" (31.8MM),BLK	1 RL	4	1	4	20	RL	99.32	86.77	78.04
SE125P-LR8	EXP SLEEVING, 1.25" (31.8MM),GRY	1 RL	4	1	4	20	RL	99.32	86.77	78.04
SE125P-TR0	EXP SLEEVING, 1.25" (31.8MM),BLK	1 RL	2	1	5	12	RL	258.58	230.04	216.60
SE125P-TR8	EXP SLEEVING, 1.25" (31.8MM),GRY	1 RL	2	1	5	12	RL	258.58	230.04	216.60
SE125P-TR10	EXP SLEEVING, 1.25" (31.8MM),WHT	1 RL	2	1	5	12	RL	258.58	230.04	216.60
SE125PFR-LR0	EXP SLEEVING, 1.25" (31.8MM),FL RET, BLK	1 RL	4	1	4	20	RL	137.05	119.73	107.68
SE125PFR-LR8	EXP SLEEVING, 1.25" (31.8MM),FL RET, GRY	1 RL	4	1	4	20	RL	137.05	119.73	107.68
SE125PFR-TR0	EXP SLEEVING, 1.25" (31.8MM),FL RET, BLK	1 RL	2	1	5	12	RL	356.85	317.46	298.92
SE125PFR-TR8	EXP SLEEVING, 1.25" (31.8MM),FL RET, GRY	1 RL	2	1	5	12	RL	356.85	317.46	298.92
SE125PFR-TR10	EXP SLEEVING, 1.25" (31.8MM),FL RET, WHT	1 RL	2	1	5	12	RL	356.85	317.46	298.92
SE150P-LR0	EXP SLEEVING, 1.50" (38.1MM),BLK	1 RL	4	1	4	20	RL	131.42	114.81	103.26
SE150P-LR8	EXP SLEEVING, 1.50" (38.1MM),GRY	1 RL	4	1	4	20	RL	131.42	114.81	103.26
SE150P-TR0	EXP SLEEVING, 1.50" (38.1MM),BLK	1 RL	2	1	5	12	RL	342.20	304.43	286.65
SE150P-TR8	EXP SLEEVING, 1.50" (38.1MM),GRY	1 RL	2	1	5	12	RL	342.20	304.43	286.65
SE150P-TR10	EXP SLEEVING, 1.50" (38.1MM),WHT	1 RL	2	1	5	12	RL	342.20	304.43	286.65
SE150PFR-LR0	EXP SLEEVING, 1.50" (38.1MM),FL RET, BLK	1 RL	4	1	4	20	RL	181.38	158.46	142.51
SE150PFR-LR8	EXP SLEEVING, 1.50" (38.1MM),FL RET, GRY	1 RL	4	1	4	20	RL	181.38	158.46	142.51
SE150PFR-TR0	EXP SLEEVING, 1.50" (38.1MM),FL RET, BLK	1 RL	2	1	5	12	RL	472.29	420.15	395.62
SE150PFR-TR8	EXP SLEEVING, 1.50" (38.1MM),FL RET, GRY	1 RL	2	1	5	12	RL	472.29	420.15	395.62

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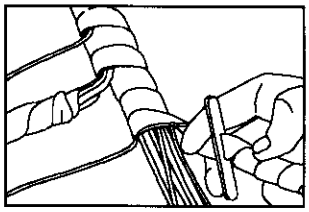
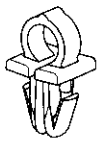
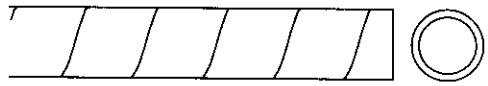
PANDUIT® Wiring Accessories





SICH
Cord Clip



Spiral Wrap

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SE150PFR-TR10	EXP SLEEVING, 1.50" (38.1MM),FL RET, WHT	1 RL	2	1	5	12	RL	$ 472.29	$ 420.15	$ 395.62
SE175P-TR0	EXP SLEEVING, 1.75" (44.5MM), BLK	1 RL	2	1	2	3	RL	406.58	361.69	340.57
SE175PFR-TR0	EXP SLEEVING, 1.75" (44.5MM), FL RET, BLK	1 RL	2	1	2	3	RL	541.48	481.71	453.58
SHH1-S8-X	HARNESS BOARD SPRING HOLDER FOR PBSC1	10 PC	100	10			PC	5.53		
SHH3-S8-X	HARNESS BOARD SPRING HOLDER FOR PBSC6	10 PC	100	10			PC	9.23		
SICH25-C	CORD CLIP, SNAP-IN, 0.25" BDL	100 PC	500	1	100	1000	C	15.58	12.06	9.71
SICH38-C	CORD CLIP, SNAP-IN, 0.38" BDL	100 PC	500	1	100	1000	C	16.92	13.10	10.55
SICH50-C	CORD CLIP, SNAP-IN, 0.50" BDL	100 PC	500	1	100	1000	C	20.79	16.10	12.96
SICH75-C	CORD CLIP, SNAP-IN, 0.75" BDL	100 PC	500	1	100	1000	C	24.81	19.20	15.47
SICH100-C	CORD CLIP, SNAP-IN, 1.00" BDL	100 PC	500	1	100	1000	C	28.44	22.02	17.73
SICH150-C	CORD CLIP, SNAP-IN, 1.50" BDL	100 PC	500	1	100	1000	C	32.12	24.86	20.03
SMS-A-C	CABLE TIE MOUNT, SNAP-IN, ADH, WHT	100 PC	500	1	100	500	C	167.54	130.96	104.62
SMS-A-C14	CABLE TIE MOUNT, SNAP-IN, ADH, GRY	100 PC	500	1	100	500	C	177.34	138.62	110.74
SMS-A-C15	CABLE TIE MOUNT, SNAP-IN, ADH, IVY	100 PC	500	1	100	500	C	177.34	138.62	110.74
SMS-S6-D	CABLE TIE MOUNT, SNAP-IN, #6 SCR, WHT	500 PC	5000	500			M	464.28		
SMS-S6-D15	CABLE TIE MOUNT, SNAP-IN, #6 SCR, IVY	500 PC	5000	500			M	492.17		
T12F-C	SPIRAL WRAP, 0.12" X 100', POLY, NAT	1 RL		1			RL	35.94		
T12F-C0	SPIRAL WRAP, 0.12" X 100', POLY, WR BLK	1 RL		1			RL	43.18		
T12FR-C	SPIRAL WRAP, 0.12" X 100', FR POLY, WHT	1 RL		1			RL	50.54		
T12FR-C20	SPIRAL WRAP, 0.12" X 100', FR POLY, BLK	1 RL		1			RL	57.93		
T12N-C	SPIRAL WRAP, 0.12" X 100', NYLON, NAT	1 RL		1			RL	64.59		
T12N-C0	SPIRAL WRAP, 0.12" X 100', NYLON, WR BLK	1 RL		1			RL	81.36		
T12R-C	SPIRAL WRAP, 0.12" X 100', FR POLY, WHT	1 RL		1			RL	45.88		
T12T-C	SPIRAL WRAP, 0.12" X 100', TEFLON, NAT	1 RL		1			RL	385.79		
T19F-C	SPIRAL WRAP, 0.19" X 100', POLY, NAT	1 RL		1			RL	42.37		
T19F-C0	SPIRAL WRAP, 0.19" X 100', POLY, WR BLK	1 RL		1			RL	53.81		
T19FR-C	SPIRAL WRAP, 0.19" X 100', FR POLY, WHT	1 RL		1			RL	70.12		
T19FR-C20	SPIRAL WRAP, 0.19" X 100', FR POLY, BLK	1 RL		1			RL	76.95		
T19N-C	SPIRAL WRAP, 0.19" X 100', NYLON, NAT	1 RL		1			RL	91.38		
T19N-C0	SPIRAL WRAP, 0.19" X 100', NYLON, WR BLK	1 RL		1			RL	114.51		
T19R-C	SPIRAL WRAP, 0.19" X 100', FR POLY, WHT	1 RL		1			RL	60.91		
T19T-C	SPIRAL WRAP, 0.19" X 100', TEFLON, NAT	1 RL		1			RL	522.61		
T25F-C	SPIRAL WRAP, 0.25" X 100', POLY, NAT	1 RL		1			RL	48.51		
T25F-C0	SPIRAL WRAP, 0.25" X 100', POLY, WR BLK	1 RL		1			RL	64.03		
T25F-C1	SPIRAL WRAP, 0.25" X 100', POLY, BRN	1 RL		1			RL	55.73		
T25F-C2	SPIRAL WRAP, 0.25" X 100', POLY, RED	1 RL		1			RL	55.73		
T25F-C3	SPIRAL WRAP, 0.25" X 100', POLY, ORN	1 RL		1			RL	55.73		
T25F-C4	SPIRAL WRAP, 0.25" X 100', POLY, YEL	1 RL		1			RL	55.73		
T25F-C5	SPIRAL WRAP, 0.25" X 100', POLY, GRN	1 RL		1			RL	55.73		
T25F-C6	SPIRAL WRAP, 0.25" X 100', POLY, BLU	1 RL		1			RL	55.73		
T25F-C7	SPIRAL WRAP, 0.25" X 100', POLY, PUR	1 RL		1			RL	55.73		
T25F-C8	SPIRAL WRAP, 0.25" X 100', POLY, GRY	1 RL		1			RL	55.73		
T25F-C10	SPIRAL WRAP, 0.25" X 100', POLY, WHT	1 RL		1			RL	55.73		
T25F-C16	SPIRAL WRAP, 0.25" X 100', POLY, PNK	1 RL		1			RL	55.73		
T25F-X	SPIRAL WRAP, 0.25" X 10', FR POLY, WHT	1 RL	10	1			RL	7.13		
T25F-X0	SPIRAL WRAP, 0.25" X 10', FR POLY, BLK	1 RL	10	1			RL	8.47		
T25FR-C	SPIRAL WRAP, 0.25" X 100', FR POLY, WHT	1 RL		1			RL	83.04		
T25FR-C20	SPIRAL WRAP, 0.25" X 100', FR POLY, BLK	1 RL		1			RL	95.22		
T25N-C	SPIRAL WRAP, 0.25" X 100', NYLON, NAT	1 RL		1			RL	117.46		
T25N-C0	SPIRAL WRAP, 0.25" X 100', NYLON, WR BLK	1 RL		1			RL	146.79		
T25R-C	SPIRAL WRAP, 0.25" X 100', FR POLY, WHT	1 RL		1			RL	75.48		
T25R-C20	SPIRAL WRAP, 0.25" X 100', FR POLY, BLK	1 RL		1			RL	86.55		
T25T-L	SPIRAL WRAP, 0.25" X 50', TEFLON, NAT	1 RL		1			RL	352.57		
T38F-C	SPIRAL WRAP, 0.38" X 100', POLY, NAT	1 RL		1			RL	87.53		
T38F-C0	SPIRAL WRAP, 0.38" X 100', POLY, WR BLK	1 RL		1			RL	109.46		

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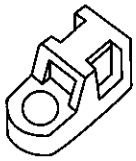
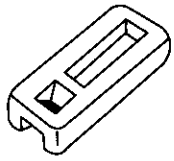
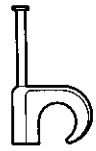


TA1
Tie Anchor



TA2
Tie Anchor



TC
Tack Clip

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
T38FR-C	SPIRAL WRAP, 0.38" X 100', FR POLY, WHT	1 RL		1			RL	$ 132.70	$	$
T38FR-C20	SPIRAL WRAP, 0.38" X 100', FR POLY, BLK	1 RL		1			RL	152.09		
T38N-C	SPIRAL WRAP, 0.38" X 100', NYLON, NAT	1 RL		1			RL	199.31		
T38N-C0	SPIRAL WRAP, 0.38" X 100', NYLON, WR BLK	1 RL		1			RL	219.25		
T38R-C	SPIRAL WRAP, 0.38" X 100', FR POLY, WHT	1 RL		1			RL	120.66		
T38T-L	SPIRAL WRAP, 0.38" X 50', TEFLON, NAT	1 RL		1			RL	526.22		
T50F-C	SPIRAL WRAP, 0.50" X 100', POLY, NAT	1 RL		1			RL	132.22		
T50F-C0	SPIRAL WRAP, 0.50" X 100', POLY, WR BLK	1 RL		1			RL	165.33		
T50F-C1	SPIRAL WRAP, 0.50" X 100', POLY, BRN	1 RL		1			RL	152.03		
T50F-C2	SPIRAL WRAP, 0.50" X 100', POLY, RED	1 RL		1			RL	152.03		
T50F-C3	SPIRAL WRAP, 0.50" X 100', POLY, ORN	1 RL		1			RL	152.03		
T50F-C4	SPIRAL WRAP, 0.50" X 100', POLY, YEL	1 RL		1			RL	152.03		
T50F-C5	SPIRAL WRAP, 0.50" X 100', POLY, GRN	1 RL		1			RL	152.03		
T50F-C6	SPIRAL WRAP, 0.50" X 100', POLY, BLU	1 RL		1			RL	152.03		
T50F-C7	SPIRAL WRAP, 0.50" X 100', POLY, PUR	1 RL		1			RL	152.03		
T50F-C8	SPIRAL WRAP, 0.50" X 100', POLY, GRY	1 RL		1			RL	152.03		
T50F-C10	SPIRAL WRAP, 0.50" X 100', POLY, WHT	1 RL		1			RL	152.03		
T50F-C16	SPIRAL WRAP, 0.50" X 100', POLY, PNK	1 RL		1			RL	* 152.03		
T50F-X	SPIRAL WRAP, 0.50" X 10', POLY, NAT	1 RL	10	1			RL	13.43		
T50F-X0	SPIRAL WRAP, 0.50" X 10', POLY, WR BLK	1 RL	10	1			RL	16.68		
T50FR-C	SPIRAL WRAP, 0.50" X 100', FR POLY, WHT	1 RL		1			RL	218.91		
T50FR-C20	SPIRAL WRAP, 0.50" X 100', FR POLY, BLK	1 RL		1			RL	250.87		
T50N-C	SPIRAL WRAP, 0.50" X 100', NYLON, NAT	1 RL		1			RL	346.22		
T50N-C0	SPIRAL WRAP, 0.50" X 100', NYLON, WR BLK	1 RL		1			RL	432.77		
T50R-C	SPIRAL WRAP, 0.50" X 100', FR POLY, WHT	1 RL		1			RL	197.41		
T50T-Q	SPIRAL WRAP, 0.50" X 25', TEFLON, NAT	1 RL		1			RL	367.15		
T62F-C	SPIRAL WRAP, 0.62" X 100', POLY, NAT	1 RL		1			RL	144.39		
T62F-C0	SPIRAL WRAP, 0.62" X 100', POLY, WR BLK	1 RL		1			RL	180.49		
T62FR-C	SPIRAL WRAP, 0.62" X 100', FR POLY, WHT	1 RL		1			RL	224.66		
T62FR-C20	SPIRAL WRAP, 0.62" X 100', FR POLY, BLK	1 RL		1			RL	257.44		
T62N-C	SPIRAL WRAP, 0.62" X 100', NYLON, NAT	1 RL		1			RL	486.46		
T62N-C0	SPIRAL WRAP, 0.62" X 100', NYLON, WR BLK	1 RL		1			RL	652.28		
T62R-C	SPIRAL WRAP, 0.62" X 100', FR POLY, WHT	1 RL		1			RL	202.45		
T62T-Q	SPIRAL WRAP, 0.62" X 25', TEFLON, NAT	1 RL		1			RL	432.51		
T75F-C	SPIRAL WRAP, 0.75" X 100', POLY, NAT	1 RL		1			RL	161.07		
T75F-C0	SPIRAL WRAP, 0.75" X 100', POLY, WR BLK	1 RL		1			RL	201.40		
T75FR-C	SPIRAL WRAP, 0.75" X 100', FR POLY, WHT	1 RL		1			RL	244.21		
T75FR-C20	SPIRAL WRAP, 0.75" X 100', FR POLY, BLK	1 RL		1			RL	279.88		
T75N-C	SPIRAL WRAP, 0.75" X 100', NYLON, NAT	1 RL		1			RL	605.51		
T75N-C0	SPIRAL WRAP, 0.75" X 100', NYLON, WR BLK	1 RL		1			RL	855.33		
T75R-C	SPIRAL WRAP, 0.75" X 100', FR POLY, WHT	1 RL		1			RL	222.05		
T75T-X	SPIRAL WRAP, 0.75" X 10', TEFLON, NAT	1 RL		1			RL	264.06		
T100F-C	SPIRAL WRAP, 1.00" X 100', POLY, NAT	1 RL		1			RL	185.32		
T100F-C0	SPIRAL WRAP, 1.00" X 100', POLY, WR BLK	1 RL		1			RL	231.14		
T100FR-C	SPIRAL WRAP, 1.00" X 100', FR POLY, WHT	1 RL		1			RL	278.26		
T100FR-C20	SPIRAL WRAP, 1.00" X 100', FR POLY, BLK	1 RL		1			RL	318.90		
T100N-C	SPIRAL WRAP, 1.00" X 100', NYLON, NAT	1 RL		1			RL	847.71		
T100N-C0	SPIRAL WRAP, 1.00" X 100', NYLON, WR BLK	1 RL		1			RL	1059.63		
T100R-C	SPIRAL WRAP, 1.00" X 100', FR POLY, WHT	1 RL		1			RL	255.39		
T100T-X	SPIRAL WRAP, 1.00" X 10', TEFLON, NAT	1 RL		1			RL	396.20		
TA1S8-C	CABLE TIE MOUNT, TIE ANCHOR, #8 SCR	100 PC	500	1	100	500	C	32.36	25.29	20.21
TA1S10-C	CABLE TIE MOUNT, TIE ANCHOR, #10 SCR	100 PC	500	1	100	500	C	33.00	25.79	20.61
TA2-C	CABLE TIE MOUNT, TIE ANCHOR, #10 SCR	100 PC	1000	1	100	500	C	50.98	39.46	31.78
TC3-5-C100	TACK CLIP, SGL, 0.13" BDL, WR POLY	100 PC	1000	100			C	4.67		
TC5-7-C100	TACK CLIP, SGL, 0.21" BDL, WR POLY	100 PC	1000	100			C	5.31		

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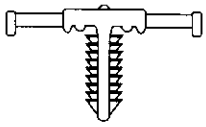
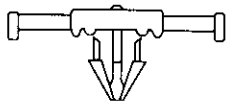
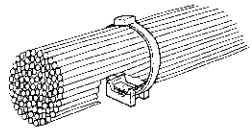


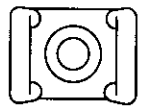
THMSC
Cable Tie Harness Mount



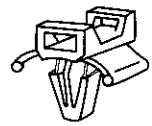
THMSP
Cable Tie Harness Mount



TM1
Tie Mount



TM3
Tie Mount



TM2PWH25
Push Mount

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TC5X8-C100	TACK CLIP, DBL, .20" X .30" BDL, WR POLY	100 PC	1000	100			C	$ 6.96	$	$
TC6X10-C100	TACK CLIP, DBL, .23" X .37" BDL, WR POLY	100 PC	1000	100			C	7.61		
TC7-10-C100	TACK CLIP, SGL, 0.26" BDL, WR POLY	100 PC	1000	100			C	7.21		
TC7X14-C100	TACK CLIP, DBL, .26" X .46" BDL, WR POLY	100 PC	1000	100			C	7.87		
TC9X18-C100	TACK CLIP, DBL, .38" X .65" BDL, WR POLY	100 PC	1000	100			C	9.07		
TC10-14-C100	TACK CLIP, SGL, 0.36" BDL, WR POLY	100 PC	1000	100			C	7.76		
TC14-20-C100	TACK CLIP, SGL, 0.49" BDL, WR POLY	100 PC	1000	100			C	12.30		
THAUF4-X	TIE HARNESS ANCHOR UNIVERSAL FIXTURE	10 PC	100	10			PC	11.97		
THM1SC-C	TIE HARNESS MOUNT, 1 TIE, NAT	100 PC	1000	1	100	1000	C	41.77	32.65	26.08
THM1SC-C30	TIE HARNESS MOUNT, 1 TIE, HS BLK	100 PC	1000	1	100	1000	C	54.23	42.39	33.86
THMF2-X	TIE HARNESS MOUNT FIXTURE, 2.1"H, #6 SCR	10 PC	50	10			PC	24.90		
THMF4-X	TIE HARNESS MOUNT FIXTURE, 4.1"H, #6 SCR	10 PC	50	10			PC	29.40		
THMF6-X	TIE HARNESS MOUNT FIXTURE, 6.1"H, #6 SCR	10 PC	50	10			PC	35.45		
THMSC35-C630	TIE HARNESS MOUNT, CLT, TREE, 0.46" BLK	100 PC	1000	1	100	1000	C	71.24	55.69	44.49
THMSC35-C639	TIE HARNESS MOUNT, CLT, TREE, 0.46" NAT	100 PC	1000	1	100	1000	C	71.24	55.69	44.49
THMSC35F-C630	TIE HARNESS MOUNT, FLAT, TREE, 0.46" BLK	100 PC	1000	1	100	1000	C	71.24	55.69	44.49
THMSC35F-C639	TIE HARNESS MOUNT, FLAT, TREE, 0.46" NAT	100 PC	1000	1	100	1000	C	71.24	55.69	44.49
THMSP20-C	TIE HARNESS MOUNT, CLT, PUSH, 0.47" NAT	100 PC	1000	1	100	1000	C	43.97	34.37	27.46
THMSP20-C30	TIE HARNESS MOUNT, CLT, PUSH, 0.47" BLK	100 PC	1000	1	100	1000	C	57.14	44.66	35.68
THMSP20F-C	TIE HARNESS MOUNT, FLAT, PUSH, 0.47" NAT	100 PC	1000	1	100	1000	C	43.97	34.37	27.46
THMSP20F-C30	TIE HARNESS MOUNT, FLAT, PUSH, 0.47" BLK	100 PC	1000	1	100	1000	C	57.14	44.66	35.68
THMSP25-C	TIE HARNESS MOUNT, CLT, PUSH, 0.54" NAT	100 PC	1000	1	100	1000	C	43.97	34.37	27.46
THMSP25-C30	TIE HARNESS MOUNT, CLT, PUSH, 0.54" BLK	100 PC	1000	1	100	1000	C	57.14	44.66	35.68
THMSP25F-C	TIE HARNESS MOUNT, FLAT, PUSH, 0.54" NAT	100 PC	1000	1	100	1000	C	43.97	34.37	27.46
THMSP25F-C30	TIE HARNESS MOUNT, FLAT, PUSH, 0.54" BLK	100 PC	1000	1	100	1000	C	57.14	44.66	35.68
TJF-X	TEE JUNCTION FIXTURE W/ INTEGRAL NAIL	10 PC	100	10			PC	6.94		
TM1A-C	CABLE TIE MOUNT, USER APP ADH, 0.51"W	100 PC	1000	1	100	500	C	28.66	22.18	17.87
TM1S4-C	CABLE TIE MOUNT, 0.51"W, #4 SCR, NYL	100 PC	500	1	100	500	C	23.24	18.17	14.51
TM1S4-C0	CABLE TIE MOUNT, 0.51"W, #4 SCR, WR NYL	100 PC	500	1	100	500	C	30.35	23.50	18.92
TM1S6-C	CABLE TIE MOUNT, 0.51"W, #6 SCR, NYL	100 PC	500	1	100	500	C	23.24	18.17	14.51
TM1S6-C0	CABLE TIE MOUNT, 0.51"W, #6 SCR, WR NYL	100 PC	500	1	100	500	C	30.35	23.50	18.92
TM2A-C	CABLE TIE MOUNT, USER APP ADH, 0.83"W	100 PC	500	1	100	500	C	38.77	30.01	24.17
TM2PWH25-C	CABLE TIE MOUNT, WINGED PUSH MOUNT, NAT	100 PC	500	1	100	500	C	72.25	56.47	45.12
TM2R6-C	CABLE TIE MOUNT, 0.63"W, #6 RIVET, NYL	100 PC	500	1	100	500	C	35.40	27.40	22.07
TM2S6-C	CABLE TIE MOUNT, 0.63"W, #6 SCR, NYL	100 PC	500	1	100	500	C	33.91	26.51	21.18
TM2S6-C0	CABLE TIE MOUNT, 0.63"W, #6 SCR, WR NYL	100 PC	500	1	100	500	C	42.59	32.97	26.55
TM2S8-C	CABLE TIE MOUNT, 0.63"W, #8 SCR, NYL	100 PC	500	1	100	500	C	33.91	26.51	21.18
TM2S8-C0	CABLE TIE MOUNT, 0.63"W, #8 SCR, WR NYL	100 PC	500	1	100	500	C	42.59	32.97	26.55
TM2S8-C100	CABLE TIE MOUNT, 0.58"W, #8 SCR, WR POLY	100 PC	500	1	100	500	C	47.39	36.69	29.55
TM3A-C	CABLE TIE MOUNT, USER APP ADH, 0.88"W	100 PC	500	1	100	500	C	66.51	51.49	41.47
TM3R6-C	CABLE TIE MOUNT, 0.88"W, #6 RIVET, NYL	100 PC	500	1	100	500	C	58.22	45.07	36.30
TM3S8-C	CABLE TIE MOUNT, 0.88"W, #8 SCR, NYL	100 PC	500	1	100	500	C	53.95	42.17	33.69
TM3S8-C0	CABLE TIE MOUNT, 0.88"W, #8 SCR, WR NYL	100 PC	500	1	100	500	C	72.82	56.37	45.40
TM3S8-C69	CABLE TIE MOUNT, 0.88"W, #8 SCR, FR NYL	100 PC	500	1	100	500	C	106.16	82.98	66.29
TM3S8-C76	CABLE TIE MOUNT, 0.88"W, #8 SCR, TEFZEL*	100 PC	500	1	100	500	C	146.06	114.17	91.21
TM3S8-C100	CABLE TIE MOUNT, 0.88"W, #8 SCR, WR POLY	100 PC	500	1	100	500	C	81.38	62.99	50.73
TM3S8-C702	CABLE TIE MOUNT, 0.88"W, #8 SCR, HALAR*	100 PC	500	1	100	500	C	146.06	114.17	91.21
TM3S10-C	CABLE TIE MOUNT, 0.88"W, #10 SCR, NYL	100 PC	500	1	100	500	C	55.78	43.60	34.83
TM3S10-C0	CABLE TIE MOUNT, 0.88"W, #10 SCR, WR NYL	100 PC	500	1	100	500	C	72.82	56.37	45.40
TM3S10-C69	CABLE TIE MOUNT, 0.88"W, #10 SCR, FR NYL	100 PC	500	1	100	500	C	106.16	82.98	66.29
TM3S10-C76	CABLE TIE MNT, 0.88"W, #10 SCR, TEFZEL*	100 PC	500	1	100	500	C	146.06	114.17	91.21
TM3S25-C	CABLE TIE MOUNT, 0.88"W, 1/4 SCR, NYL	100 PC	500	1	100	500	C	55.78	43.60	34.83
TM3S25-C0	CABLE TIE MOUNT, 0.88"W, 1/4 SCR, WR NYL	100 PC	500	1	100	500	C	72.82	56.37	45.40
TMEH-S8-Q0	CABLE TIE MOUNT, EX-HVY, #8 SCR, WR NYL	25 PC	250	1	25	250	C	145.99	114.11	91.16
TMEH-S10-Q0	CABLE TIE MOUNT, EX-HVY, #10 SCR, WR NYL	25 PC	250	1	25	250	C	145.99	114.11	91.16

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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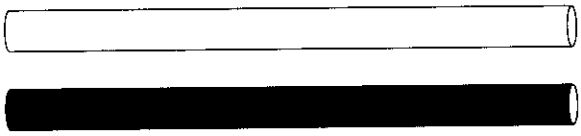
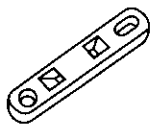


Type TV
Non-Shrink PVC Tubing



TP2
Tie Plate

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TMEH-S25-Q0	CABLE TIE MOUNT, EX-HVY, 1/4 SCR, WR NYL	25 PC	250	1	25	250	C	$ 145.99	$ 114.11	$ 91.16
TMSTHS13-C0	CABLE TIE MOUNT, 1/2" STUD, WR NYL, BLK	100 PC	1000	1	100	1000	C	189.74	146.87	118.29
TMSTHS16-C0	CABLE TIE MOUNT, 5/8" STUD, WR NYL, BLK	100 PC	1000	1	100	1000	C	189.74	146.87	118.29
TMSTHS19-C0	CABLE TIE MOUNT, 3/4" STUD, WR NYL, BLK	100 PC	1000	1	100	1000	C	189.74	146.87	118.29
TMSTLHS6-C0	CABLE TIE MOUNT, 1/4" STUD, WR NYL, BLK	100 PC	1000	1	100	1000	C	74.97	58.60	46.82
TMSTLHS8-C0	CABLE TIE MOUNT, 5/16" STUD, WR NYL, BLK	100 PC	1000	1	100	1000	C	74.97	58.60	46.82
TP2-C	CABLE TIE PLATE, #10 SCR, M-S TIES	100 PC	1000	1	100	500	C	36.85	28.53	22.98
TP4H-C	CABLE TIE PLATE, 1/4 SCR, M-H TIES	100 PC	1000	1	100	500	C	128.80	99.70	80.30
TPM-16-C	TWISTER PUSH MOUNT, 0.00" STANDOFF	100 PC	1000	1	100	1000	C	23.29	18.20	14.54
TPM5-16-C	TWISTER PUSH MOUNT, 0.20" STANDOFF	100 PC	1000	1	100	1000	C	25.37	19.83	15.84
TPM10-16-C	TWISTER PUSH MOUNT, 0.39" STANDOFF	100 PC	1000	1	100	1000	C	26.98	21.09	16.85
TPM15-16-C	TWISTER PUSH MOUNT, 0.59" STANDOFF	100 PC	1000	1	100	1000	C	29.13	22.77	18.19
TPM20-16-C	TWISTER PUSH MOUNT, 0.79" STANDOFF	100 PC	1000	1	100	1000	C	30.00	23.45	18.73
TPM25-16-C	TWISTER PUSH MOUNT, 0.98" STANDOFF	100 PC	1000	1	100	1000	C	30.66	23.97	19.15
TPM30-16-C	TWISTER PUSH MOUNT, 1.18" STANDOFF	100 PC	1000	1	100	1000	C	31.30	24.47	19.55
TV105-0TL	VINYL TUBING, 0 AWG (8.81MM), 300V, CLR	1 RL	2	1	10	40	RL	33.60	29.89	28.15
TV105-0TL20	VINYL TUBING, 0 AWG (8.81MM), 300V, BLK	1 RL	2	1	10	40	RL	33.60	29.89	28.15
TV105-.25TL	VINYL TUBING, 1/4" (6.73MM), 300V, CLR	1 RL	2	1	10	40	RL	25.86	23.00	21.66
TV105-.25TL20	VINYL TUBING, 1/4" (6.73MM), 300V, BLK	1 RL	2	1	10	40	RL	25.86	23.00	21.66
TV105-.31TL	VINYL TUBING, 5/16" (8.48MM), 600V, CLR	1 RL	2	1	10	40	RL	39.62	35.25	33.19
TV105-.31TL20	VINYL TUBING, 5/16" (8.48MM), 600V, BLK	1 RL	2	1	10	40	RL	39.62	35.25	33.19
TV105-.38TL	VINYL TUBING, 3/8" (10.13MM), 600V, CLR	1 RL	2	1	10	40	RL	47.03	41.84	39.40
TV105-.38TL20	VINYL TUBING, 3/8" (10.13MM), 600V, BLK	1 RL	2	1	10	40	RL	47.03	41.84	39.40
TV105-.44TL	VINYL TUBING, 7/16" (11.73MM), 600V, CLR	1 RL	2	1	10	40	RL	56.06	49.87	46.96
TV105-.44TL20	VINYL TUBING, 7/16" (11.73MM), 600V, BLK	1 RL	2	1	10	40	RL	56.06	49.87	46.96
TV105-.50TL	VINYL TUBING, 1/2" (13.30MM), 600V, CLR	1 RL	2	1	10	40	RL	63.09	56.13	52.85
TV105-.50TL20	VINYL TUBING, 1/2" (13.30MM), 600V, BLK	1 RL	2	1	10	40	RL	63.09	56.13	52.85
TV105-.56C	VINYL TUBING, 9/16" (14.85MM) 600V, CLR	1 RL	2	1	5	100	RL	33.46	29.77	28.03
TV105-.56C20	VINYL TUBING, 9/16" (14.85MM), 600V, BLK	1 RL	2	1	5	100	RL	33.46	29.77	28.03
TV105-.63C	VINYL TUBING, 5/8" (16.63MM), 600V, CLR	1 RL	2	1	5	100	RL	36.48	32.46	30.56
TV105-.63C20	VINYL TUBING, 5/8" (16.63MM), 600V, BLK	1 RL	2	1	5	100	RL	36.48	32.46	30.56
TV105-.75C	VINYL TUBING, 3/4" (19.96MM), 600V, CLR	1 RL	2	1	5	100	RL	62.55	55.65	52.40
TV105-.75C20	VINYL TUBING, 3/4" (19.96MM), 600V, BLK	1 RL	2	1	5	100	RL	62.55	55.65	52.40
TV105-.88C	VINYL TUBING, 7/8" (23.13MM), 600V, CLR	1 RL	2	1	5	100	RL	70.98	63.14	59.46
TV105-.88C20	VINYL TUBING, 7/8" (23.13MM), 600V, BLK	1 RL	2	1	5	100	RL	70.98	63.14	59.46
TV105-1.0L	VINYL TUBING, 1" (26.31MM), 600V, CLR	1 RL	2	1	100	200	RL	48.94	43.54	41.00
TV105-1.0L20	VINYL TUBING, 1" (26.31MM), 600V, BLK	1 RL	2	1	100	200	RL	48.94	43.54	41.00
TV105-1TL	VINYL TUBING, 1 AWG (8.81MM), 300V, CLR	1 RL	2	1	10	40	RL	30.18	26.85	25.28
TV105-1TL20	VINYL TUBING, 1 AWG (8.81MM), 300V, BLK	1 RL	2	1	10	40	RL	30.18	26.85	25.28
TV105-1.25L	VINYL TUBING, 1.25" (32.76MM), 600V, CLR	1 RL	2	1	100	200	RL	69.19	61.55	57.96
TV105-1.25L20	VINYL TUBING, 1.25" (32.76MM), 600V, BLK	1 RL	2	1	100	200	RL	69.19	61.55	57.96
TV105-1.50L	VINYL TUBING, 1.50" (39.37MM), 600V, CLR	1 RL	2	1	100	200	RL	92.46	82.25	77.45
TV105-1.50L20	VINYL TUBING, 1.50" (39.37MM), 600V, BLK	1 RL	2	1	100	200	RL	92.46	82.25	77.45
TV105-2TL	VINYL TUBING, 2 AWG (7.06MM), 300V, CLR	1 RL	2	1	10	40	RL	26.80	23.84	22.45
TV105-2TL20	VINYL TUBING, 2 AWG (7.06MM), 300V, BLK	1 RL	2	1	10	40	RL	26.80	23.84	22.45
TV105-3TL	VINYL TUBING, 3 AWG (6.32MM) 300V, CLR	1 RL	2	1	10	40	RL	24.18	21.51	20.25
TV105-3TL20	VINYL TUBING, 3 AWG (6.32MM), 300V, BLK	1 RL	2	1	10	40	RL	24.18	21.51	20.25
TV105-4TL	VINYL TUBING, 4 AWG (5.68MM), 300V, CLR	1 RL	2	1	10	40	RL	22.79	20.28	19.09
TV105-4TL20	VINYL TUBING, 4 AWG (5.68MM), 300V, BLK	1 RL	2	1	10	40	RL	22.79	20.28	19.09
TV105-5TL	VINYL TUBING, 5 AWG (5.02MM), 300V, CLR	1 RL	2	1	10	40	RL	21.47	19.10	17.98
TV105-5TL20	VINYL TUBING, 5 AWG (5.02MM), 300V, BLK	1 RL	2	1	10	40	RL	21.47	19.10	17.98
TV105-6TL	VINYL TUBING, 6 AWG (4.52MM), 300V, CLR	1 RL	2	1	10	40	RL	20.05	17.84	16.80
TV105-6TL20	VINYL TUBING, 6 AWG (4.52MM), 300V, BLK	1 RL	2	1	10	40	RL	20.05	17.84	16.80
TV105-7D	VINYL TUBING, 7 AWG (4.01MM), 300V, CLR	1 RL	2	1	8	20	RL	37.51	33.37	31.42
TV105-7D20	VINYL TUBING, 7 AWG (4.01MM), 300V, BLK	1 RL	2	1	8	20	RL	37.51	33.37	31.42

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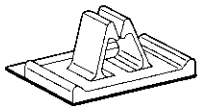
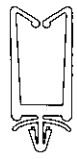
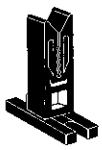
PANDUIT® Wiring Accessories



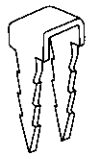
VCC
Vertical Cord Clip



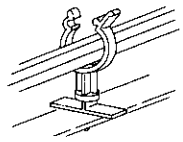
VWS
Wire Saddle



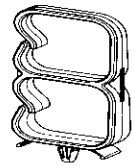
WEH
Wire End Holder



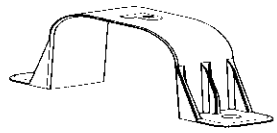
WPMH
Wood Push Mount



WS
Wire Standoff



VWSDC
Dual Fiber Saddle, Vertical



WBS6
Wire Bundle Strap

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TV105-8D	VINYL TUBING, 8 AWG (3.58MM), 300V, CLR	1 RL	2	1	8	20	RL	$ 33.70	$ 29.98	$ 28.23
TV105-8D20	VINYL TUBING, 8 AWG (3.58MM), 300V, BLK	1 RL	2	1	8	20	RL	33.70	29.98	28.23
TV105-9D	VINYL TUBING, 9 AWG (3.14MM), 300V, CLR	1 RL	2	1	8	20	RL	32.12	28.58	26.91
TV105-9D20	VINYL TUBING, 9 AWG (3.14MM), 300V, BLK	1 RL	2	1	8	20	RL	32.12	28.58	26.91
TV105-10D	VINYL TUBING, 10 AWG (2.84MM), 300V, CLR	1 RL	2	1	8	20	RL	26.66	23.71	22.33
TV105-10D20	VINYL TUBING, 10 AWG (2.84MM), 300V, BLK	1 RL	2	1	8	20	RL	26.66	23.71	22.33
TV105-11D	VINYL TUBING, 11 AWG (2.56MM), 300V, CLR	1 RL	2	1	8	20	RL	22.79	20.28	19.09
TV105-11D20	VINYL TUBING, 11 AWG (2.56MM), 300V, BLK	1 RL	2	1	8	20	RL	22.79	20.28	19.09
TV105-12D	VINYL TUBING, 12 AWG (2.26MM), 300V, CLR	1 RL	2	1	8	20	RL	22.65	20.15	18.98
TV105-12D20	VINYL TUBING, 12 AWG (2.26MM), 300V, BLK	1 RL	2	1	8	20	RL	22.65	20.15	18.98
TV105-13M	VINYL TUBING, 13 AWG (2.03MM), 300V, CLR	1 RL	2	1	4	10	RL	42.72	38.00	35.78
TV105-13M20	VINYL TUBING, 13 AWG (2.03MM), 300V, BLK	1 RL	2	1	4	10	RL	42.72	38.00	35.78
TV105-14M	VINYL TUBING, 14 AWG (1.82MM), 300V, CLR	1 RL	2	1	4	10	RL	42.52	37.83	35.62
TV105-14M20	VINYL TUBING, 14 AWG (1.82MM), 300V, BLK	1 RL	2	1	4	10	RL	42.52	37.83	35.62
TV105-15M	VINYL TUBING, 15 AWG (1.67MM), 300V, CLR	1 RL	2	1	4	10	RL	40.30	35.85	33.76
TV105-15M20	VINYL TUBING, 15 AWG (1.67MM), 300V, BLK	1 RL	2	1	4	10	RL	40.30	35.85	33.76
TV105-16M	VINYL TUBING, 16 AWG (1.54MM), 300V, CLR	1 RL	2	1	4	10	RL	40.13	35.70	33.62
TV105-16M20	VINYL TUBING, 16 AWG (1.54MM), 300V, BLK	1 RL	2	1	4	10	RL	40.13	35.70	33.62
TV105-17M	VINYL TUBING, 17 AWG (1.34MM), 300V, CLR	1 RL	2	1	4	10	RL	37.51	33.37	31.42
TV105-17M20	VINYL TUBING, 17 AWG (1.34MM), 300V, BLK	1 RL	2	1	4	10	RL	37.51	33.37	31.42
TV105-18M	VINYL TUBING, 18 AWG (1.24MM), 300V, CLR	1 RL	2	1	4	10	RL	37.33	33.21	31.27
TV105-18M20	VINYL TUBING, 18 AWG (1.24MM), 300V, BLK	1 RL	2	1	4	10	RL	37.33	33.21	31.27
TV105-19M	VINYL TUBING, 19 AWG (1.06MM), 300V, CLR	1 RL	2	1	4	10	RL	34.71	30.88	29.08
TV105-19M20	VINYL TUBING, 19 AWG (1.06MM), 300V, BLK	1 RL	2	1	4	10	RL	34.71	30.88	29.08
TV105-20M	VINYL TUBING, 20 AWG (0.99MM), 300V, CLR	1 RL	2	1	4	10	RL	34.50	30.69	28.90
TV105-20M20	VINYL TUBING, 20 AWG (0.99MM), 300V, BLK	1 RL	2	1	4	10	RL	34.50	30.69	28.90
TV105-222.5M	VINYL TUBING, 22 AWG (0.81MM), 300V, CLR	1 RL	2	1	2	4	RL	80.26	71.40	67.23
TV105-222.5M20	VINYL TUBING, 22 AWG (0.99MM), 300V, BLK	1 RL	2	1	2	4	RL	80.26	71.40	67.23
TV105-242.5M	VINYL TUBING, 24 AWG (0.68MM), 300V, CLR	1 RL	2	1	2	4	RL	79.76	70.95	66.81
TV105-242.5M20	VINYL TUBING, 24 AWG (0.68MM), 300V, BLK	1 RL	2	1	2	4	RL	79.76	70.95	66.81
TWR-C	TENSION WIRE RETAINER, 0.38" BDL, NAT	100 PC	500	1	100	1000	C	21.97	17.15	13.74
TWR-C0	TENSION WIRE RETAINER, 0.38" BDL, WR BLK	100 PC	500	1	100	1000	C	24.37	19.03	15.25
VCC25-A-C	VERT CORD CLIP, ADH, 0.25" BDL, NAT	100 PC	500	1	100	1000	C	42.98	33.60	26.84
VCC25-A-C0	VERT CORD CLIP, ADH, 0.25" BDL, WR BLK	100 PC	500	1	100	1000	C	47.31	36.98	29.54
VCC50-A-C	VERT CORD CLIP, ADH, 0.50" BDL, NAT	100 EA	500	1	100	1000	C	98.22	76.77	61.33
VSC.25-L	SIDING CLIP, VERTICAL, 0.25" BDL, WHT	50 PC	500	1	50	500	C	62.83	48.64	39.17
VSC.25-L100	SIDING CLIP, VERTICAL, 0.25" BDL, WR BLK	50 PC	500	1	50	500	C	54.78	42.82	34.21
VWS106-C	FIBER SADDLE, VERTICAL, 1.06" BDL, WHT	100 PC	500	1	100	500	C	37.76	29.23	23.54
VWS106-C20	FIBER SADDLE, VERTICAL, 1.06" BDL, BLK	100 PC	500	1	100	500	C	41.54	32.15	25.90
VWS4218-C	WIRE SADDLE, VERTICAL, 0.18" X 0.42" BDL	100 PC	500	1	100	1000	C	11.95	9.25	7.45
VWS4238-C	WIRE SADDLE, VERTICAL, 0.40" X 0.42" BDL	100 PC	500	1	100	1000	C	12.36	9.56	7.70
VWS4274-C	WIRE SADDLE, VERTICAL, 0.74" X 0.42" BDL	100 PC	500	1	100	1000	C	18.07	13.99	11.26
VWS42105-C	WIRE SADDLE, VERTICAL, 1.05" X 0.42" BDL	100 PC	1000	1	100	1000	C	19.55	15.13	12.19
VWSDC-C	FIBER SADDLE, VERT, DUAL, BARB 1.06" BDL, WHT	100 PC	1000	1	100	1000	C	56.64	43.85	35.31
WBS6-Q	WIRE BUNDLE STRAP, 6.0" BUNDLE RETAINING AREA	25 PC	125	1	25	250	PC	1.99	1.56	1.24
WEH-E8-C	WIRE END HOLDER, #28-#16 AWG, #8 SCR	100 PC	1000	100			C	37.58		
WPMH-C	WOOD PUSH MOUNT, HEAVY DUTY	100 PC		1	100	500	C	28.14	22.00	17.57
WS25-25-C	WIRE STANDOFF, PUSH, 0.25" BDL, 0.25" HT	100 PC	500	1	100	1000	C	30.71	23.77	19.15
WS25-50-C	WIRE STANDOFF, PUSH, 0.25" BDL, 0.50" HT	100 PC	500	1	100	1000	C	32.19	24.92	20.07
WS25-75-C	WIRE STANDOFF, PUSH, 0.25" BDL, 0.75" HT	100 PC	500	1	100	1000	C	33.84	26.20	21.10
WS35-25-C	WIRE STANDOFF, PUSH, 0.35" BDL, 0.35" HT	100 PC	500	1	100	1000	C	34.32	26.57	21.40
WS35-50-C	WIRE STANDOFF, PUSH, 0.35" BDL, 0.50" HT	100 PC	500	1	100	1000	C	36.14	27.97	22.53
WS35-75-C	WIRE STANDOFF, PUSH, 0.35" BDL, 0.75" HT	100 PC	500	1	100	1000	C	37.86	29.30	23.60
WS50-25-C	WIRE STANDOFF, PUSH, 0.50" BDL, 0.50" HT	100 PC	500	1	100	1000	C	35.73	27.66	22.28
WS50-50-C	WIRE STANDOFF, PUSH, 0.50" BDL, 0.50" HT	100 PC	500	1	100	1000	C	37.57	29.08	23.42

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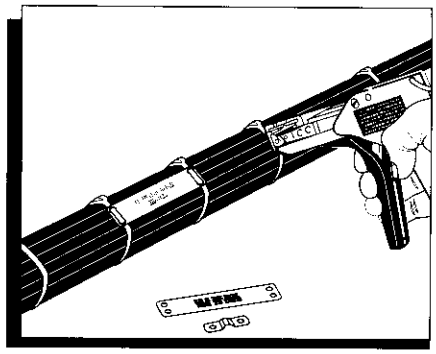
Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
WS50-75-C	WIRE STANDOFF, PUSH, 0.50" BDL, 0.75" HT	100 PC	500	1	100	1000	C	$ 39.46	$ 30.54	$ 24.60
WS75-25-C	WIRE STANDOFF, PUSH, 0.75" BDL, 0.75" HT	100 PC	500	1	100	1000	C	39.03	30.21	24.33
WS75-50-C	WIRE STANDOFF, PUSH, 0.75" BDL, 0.50" HT	100 PC	500	1	100	1000	C	41.01	31.75	25.57
WS75-75-C	WIRE STANDOFF, PUSH, 0.75" BDL, 0.75" HT	100 PC	500	1	100	1000	C	43.00	33.28	26.81

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per Sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Stainless Steel Products

The *PAN-STEEL*™ system provides a strong durable method of bundling, identifying and fastening cables, hoses or tubing. Can be used in virtually all indoor, outdoor and underground (including direct burial) applications, especially where severe environmental conditions exist.



Stainless Steel Systems and Explanations

METAL TIES

[redacted]

PAN-STEEL (MLT Series): Metal Locking Ties, Ball Lock Version in .18"(4.6mm) and .31"(7.9mm) widths

CUSTOM LENGTH BANDING SYSTEM: Ball Lock Version in Reels of 250 ft.(76m) and 1000 ft.(305m) and .18"(4.4mm) and .31"(7.9mm) widths

METAL STRAPS

[redacted]

STAINLESS STEEL STRAPS (MS Series): Fold-over Buckle Design in .375"(9.5mm) , .500"(12.7mm) and .625"(15.9mm) widths

CUSTOM LENGTH STRAPPING SYSTEM: Fold-over Buckle Design Provided in Reels of 200 ft.(61m) and .375"(9.5mm) , .500"(12.7mm) and .625"(15.9mm) widths

Approvals

Military Specification MIL-S-23190E

ISO 9001 REGISTERED FIRM

LISTED E56854

United States Coast Guard

ABS TYPE APPROVAL PROGRAM
ABS Programs Cert. 99CH18282-X

CE

Bureau Veritas

Det Norske Veritas

Lloyd's Register of Shipping

Germanischer Lloyd

RINA

PAN-STEEL™ Stainless Steel Ties

Part Number System Example

(Stock Size Tie)

MLT	6	S	—	CP	
Part Description Metal Locking Tie	**Bundle Diameter Reference** (Inches)	**Cross-Section** S = Standard H = Heavy		**Package Qty.** Q = 25 L† = 50 LP‡ = 50 CP = 100	**Material** (blank) = 304 316 = 316

†Standard Cross-Section Ties
‡Heavy Cross-Section Ties

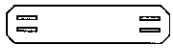
PAN-STEEL Stainless Steel Strapping

Part Number System Example

(Stock Size Straps)

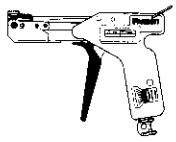
MS	8	X	375 X 15	—	L	S
Part Description Metal Strapping	**Bundle Diameter Reference** (Inches)		**Cross Section** 375 X 15 = .375" X .015" (9.5mm X 0.38mm) 500 X 15 = .500" X .015" (12.7mm X 0.38mm) 500 X 20 = .500" X .020" (12.7mm X 0.51mm) 625 X 15 = .625" X .015" (15.9mm X 0.38mm)		**Package Qty.** L = 50	**Material** S = 304 Stainless Steel

PANDUIT® Stainless Steel Products

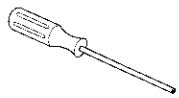


AP350
Marker Plate, Anodized Aluminum

BT2MS75
Installation Tool for Strapping (MS Series)



GS4MT
Installation Tool for Ties/Banding

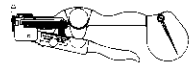


HTMT
Installation Tool for Steel Ties

IMP094
Indenter Press Marking Device

KP-515
Stainless Steel Maintenance Kit

MBH-MR
Custom Length Banding System



MEHT
Metal Embossing Tape System

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
AP350HW86-C	MKR PLATE, ALUM, 4 HL, 3.5" X 1.1"	100 PC	1000	100			C	$ 43.56	$	$
BT2MS75	STEEL STRAPPING INSTALLATION TOOL	1 PC		1			PC	569.85		
BT2N75	REPLACEMENT NOSE SECTION FOR BT2MS75	1 PC		1			PC	120.96		
CAMT	CUT-OFF ACCESSORY FOR GS4MT	1 PC		1			PC	102.37		
GS4MT	STL TIE TOOL, CONTL TENSION AND CUTOFF	1 PC					CONTACT FACTORY FOR PRICING			
HTMT	STEEL TIE TOOL, LT DUTY, HAND TENSION	1 PC		1			PC	17.69		
IMP-FIX	FIXTURE FOR HOLDING MARKER PLATES	1 PC		1			PC	1157.58		
IMP094	MANUAL INDENTER PRESS 3/32" CHAR HEIGHT	1 PC		1			PC	2651.97		
IMP125	MANUAL INDENTER PRESS 1/8" CHAR HEIGHT	1 PC		1			PC	2809.29		
IMP187	MANUAL INDENTER PRESS 3/16" CHAR HEIGHT	1 PC		1			PC	3054.14		
K4M-BLD	BLADE REPLACEMENT KIT FOR GS4MT	1 KT		1			KT	100.71		
K4MTG	GRIPPER REPLACEMENT KIT FOR GS4MT	1 KT		1			KT	183.58		
KP-515	STAINLESS STEEL MAINTENANCE KIT	1 PC		1			PC	234.69		
KT2MG	GRIPPER REPL KIT FOR BT2MS75 & ST2MT	1 PC		1			PC	76.80		
MBH-MR	CONTINUOUS BANDING, 304 STEEL, HVY 1000'	1 RL		1			RL	437.44		
MBH-MR316	CONTINUOUS BANDING, 316 STEEL, HVY 1000'	1 RL		1			RL	558.04		
MBH-TLR	CONTINUOUS BANDING, 304 STEEL, HVY 250'	1 RL		1			RL	138.64		
MBH-TLR316	CONTINUOUS BANDING, 316 STEEL, HVY 250'	1 RL		1			RL	170.38		
MBM-H25-Q	STEEL TIE MOUNT, PUSH BUTTON	25 PC	250	1	25	250	C	187.71	146.73	117.22
MBS-MR	CONTINUOUS BANDING, 304 STEEL, STD 1000'	1 RL		1			RL	373.57		
MBS-MR316	CONTINUOUS BANDING, 316 STEEL, STD 1000'	1 RL		1			RL	476.58		
MBS-TLR	CONTINUOUS BANDING, 304 STEEL, STD 250'	1 RL		1			RL	113.47		
MBS-TLR316	CONTINUOUS BANDING, 316 STEEL, STD 250'	1 RL		1			RL	139.44		
MCB4-C	BEADED CHAIN, #6 SOLID BRASS, 4.5"	100 PC	1000	100			C	30.51		
MCN4-C	BEADED CHAIN, #6 NICKEL PLTD STEEL 4.5"	100 PC	1000	100			C	29.33		
MEHT	METAL TAPE EMBOSSING TOOL	1 PC		1			PC	640.61		
MET	ELECTRIC ENGRAVING PENCIL, CARBIDE POINT	1 PC		1			PC	70.27		
MET-DT	DIAMOND TIP FOR MET ENGRAVING PENCIL	1 PC		1			PC	52.71		
META-X	EMBOSSING TAPE, ALUMINUM, 0.5" X 16'	10 RL	40	10			RL	6.02		
METS3-X	EMBOSSING TAPE, 316 STEEL, 0.5" X 21'	10 RL	40	10			RL	13.91		
METS4-X	EMBOSSING TAPE, 304 STEEL, 0.5" X 21'	10 RL	40	10			RL	10.64		
MLT1S-CP	STEEL TIE, AISI 304, STANDARD 5.2"	100 PC	500	100			M	688.92		
MLT1S-CP316	STEEL TIE, AISI 316, STANDARD 5.2"	100 PC	500	100			M	894.82		
MLT1S-X	STEEL TIE, AISI 304, STANDARD 5.2"	10 PC	100				C	97.27		
MLT2DH-L	STEEL TIE, DOUBLE WRAP, AISI 304, 18.5"	50 PC	250	50			M	1268.38		
MLT2H-LP	STEEL TIE, AISI 304, HEAVY 7.9"	50 PC	250	50			M	845.74		
MLT2H-LP316	STEEL TIE, AISI 316, HEAVY 7.9"	50 PC	250	50			M	1098.51		
MLT2H-LP321	STEEL TIE, AISI 321, HEAVY 7.9"	50 PC	250	50			M	1347.97		
MLT2H-TL	STEEL TIE, AISI 304, HEAVY 7.9"	250 PC	2500	250			M	820.36		
MLT2H-TL316	STEEL TIE, AISI 316, HEAVY 7.9"	250 PC	2500	250			M	1065.52		
MLT2H-X	STEEL TIE, AISI 304, HEAVY 7.9"	10 PC	100				C	125.51		
MLT2S-CP	STEEL TIE, AISI 304, STANDARD 7.9"	100 PC	500	100			M	704.78		
MLT2S-CP316	STEEL TIE, AISI 316, STANDARD 7.9"	100 PC	500	100			M	962.14		
MLT2S-CP321	STEEL TIE, AISI 321, STANDARD 7.9"	100 PC	500	100			M	1103.01		
MLT2S-D	STEEL TIE, AISI 304, STANDARD 7.9"	500 PC	5000	500			M	683.62		
MLT2S-D316	STEEL TIE, AISI 316, STANDARD 7.9"	500 PC	5000	500			M	887.90		
MLT2S-L	STEEL TIE, AISI 304, STANDARD 7.9"	50 PC	500	1	50	500	C	170.81	133.52	106.66
MLT2S-X	STEEL TIE, AISI 304, STANDARD 7.9"	10 PC	100				C	104.59		
MLT2.7H-LP	STEEL TIE, AISI 304, HEAVY 10.5"	50 PC	250	50			M	921.83		
MLT2.7S-CP	STEEL TIE, AISI 304, STANDARD 10.5"	100 PC	500	100			M	768.21		
MLT2.7WH-LP	STEEL TIE, WAVE-TY, AISI 304, HVY 10.5"	50 PC	250	50			M	984.47		
MLT2.7WH-LP316	STEEL TIE, WAVE-TY AISI 316, HVY 10.5"	50 PC	250	50			M	1141.99		
MLT2.7WH-TL	STEEL TIE, WAVE-TY, AISI 304, HVY 10.5"	250 PC	2500	250			M	955.79		
MLT4DH-L	STEEL TIE, DOUBLE WRAP, AISI 304, 28"	50 PC	250	50			M	1782.96		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
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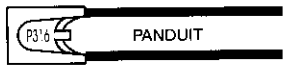
PANDUIT® Stainless Steel Products

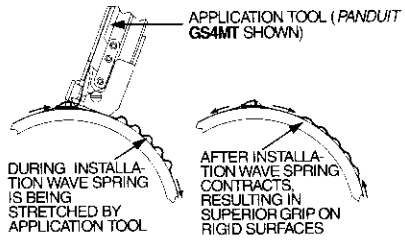
PAN-STEEL™ Ties

MLT-S, Standard Cross Section, .18" wide

MLT-H, Heavy Cross Section, .31" wide



MLT-C, Coated



MLT-WH, WAVE-TY

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
MLT4H-LP	STEEL TIE, AISI 304, HEAVY 14.2"	50 PC	250	50			M	$ 992.48	$	$
MLT4H-LP316	STEEL TIE, AISI 316, HEAVY 14.2"	50 PC	250	50			M	1289.07		
MLT4H-LP321	STEEL TIE, AISI 321, HEAVY 14.2"	50 PC	250	50			M	1581.84		
MLT4H-TL	STEEL TIE, AISI 304, HEAVY 14.2"	250 PC	2500	250			M	962.67		
MLT4H-TL316	STEEL TIE, AISI 316, HEAVY 14.2"	250 PC	2500	250			M	1250.34		
MLT4H-X	STEEL TIE, AISI 304, HEAVY 14.3"	10 PC	100				C	147.25		
MLT4S-CP	STEEL TIE, AISI 304, STANDARD 14.3"	100 PC	500	100			M	827.11		
MLT4S-CP316	STEEL TIE, AISI 316, STANDARD 14.3"	100 PC	500	100			M	1129.13		
MLT4S-D	STEEL TIE, AISI 304, STANDARD 14.3"	500 PC	5000	500			M	802.29		
MLT4S-D316	STEEL TIE, AISI 316, STANDARD 14.3"	500 PC	5000	500			M	1041.95		
MLT4S-L	STEEL TIE, AISI 304, STANDARD 14.2"	50 PC	500	1	50	500	C	200.49	156.71	125.20
MLT4S-X	STEEL TIE, AISI 304, STANDARD 14.2"	10 PC	100				C	122.70		
MLT4WH-LP	STEEL TIE, WAVE-TY, AISI 304, HVY 14.2"	50 PC	250	50			M	1059.93		
MLT4WH-LP316	STEEL TIE, WAVE-TY, AISI 316, HVY 14.2"	50 PC	250	50			M	1261.33		
MLT4WH-TL	STEEL TIE, WAVE-TY, AISI 304, HVY 14.2"	250 PC	2500	250			M	1028.14		
MLT4WH-X	STEEL TIE, WAVE-TY, AISI 304, HVY 14.2"	10 PC	100				C	161.97		
MLT5DH-L	STEEL TIE, DOUBLE WRAP, AISI 304, 34.0"	50 PC	250	50			M	2021.81		
MLT6DH-Q	STEEL TIE, DOUBLE WRAP, AISI 304, 40.0"	25 PC	250	25			M	2250.66		
MLT6H-LP	STEEL TIE, AISI 304, HEAVY 20.5"	50 PC	250	50			M	1486.18		
MLT6H-LP316	STEEL TIE, AISI 316, HEAVY 20.5"	50 PC	250	50			M	1874.59		
MLT6H-LP321	STEEL TIE, AISI 321, HEAVY 20.5"	50 PC	250	50			M	2188.49		
MLT6S-CP	STEEL TIE, AISI 304, STANDARD 20.5"	100 PC	500	100			M	1238.48		
MLT6S-CP316	STEEL TIE, AISI 316, STANDARD 20.5"	100 PC	500	100			M	1780.49		
MLT6WH-LP	STEEL TIE, WAVE-TY, AISI 304, HVY 20.5"	50 PC	250	50			M	1587.16		
MLT6WH-LP316	STEEL TIE, WAVE-TY, AISI 316, HVY 20.5"	50 PC	250	50			M	1888.72		
MLT6WH-TL	STEEL TIE, WAVE-TY, AISI 304, HVY 20.5"	250 PC	1500	250			M	1539.55		
MLT7DH-Q	STEEL TIE, DOUBLE WRAP, AISI 304, 46.5"	25 PC	250	25			M	2495.86		
MLT8DH-Q	STEEL TIE, DOUBLE WRAP, AISI 304, 53.0"	25 PC	250	25			M	2740.73		
MLT8H-LP	STEEL TIE, AISI 304, HEAVY 26.8"	50 PC	250	50			M	1917.01		
MLT8H-LP316	STEEL TIE, AISI 316, HEAVY 26.8"	50 PC	250	50			M	2417.92		
MLT8H-LP321	STEEL TIE, AISI 321, HEAVY 26.8"	50 PC	250	50			M	2822.76		
MLT8S-CP	STEEL TIE, AISI 304, STANDARD 26.8"	100 PC	500	100			M	1597.47		
MLT8S-CP316	STEEL TIE, AISI 316, STANDARD 26.8"	100 PC	500	100			M	2296.62		
MLT8WH-LP	STEEL TIE, WAVE-TY, AISI 304, HVY 26.8"	50 PC	250	50			M	2108.72		
MLT8WH-LP316	STEEL TIE, WAVE-TY, AISI 316, HVY 26.8"	50 PC	250	50			M	2509.37		
MLT9DH-Q	STEEL TIE, DOUBLE WRAP, AISI 304, 59.0"	25 PC	250	25			M	2994.03		
MLT10DH-Q	STEEL TIE, DOUBLE WRAP, AISI 304, 65.0"	25 PC	250	25			M	3387.13		
MLT10H-LP	STEEL TIE, AISI 304, HEAVY 33.0"	50 PC	250	50			M	2350.03		
MLT10H-LP316	STEEL TIE, AISI 316, HEAVY 33.0"	50 PC	250	50			M	3028.00		
MLT10H-LP321	STEEL TIE, AISI 321, HEAVY 33.0"	50 PC	250	50			M	3534.98		
MLT10S-CP	STEEL TIE, AISI 304, STANDARD 33.0"	100 PC	500	100			M	1996.84		
MLT10S-CP316	STEEL TIE, AISI 316, STANDARD 33.0"	100 PC	500	100			M	2868.80		
MLT10WH-LP	STEEL TIE, WAVE-TY, AISI 304, HVY 33.0"	50 PC	250	50			M	2509.74		
MLT10WH-LP316	STEEL TIE, WAVE-TY, AISI 316, HVY 33.0"	50 PC	250	50			M	2986.60		
MLT12H-Q	STEEL TIE, AISI 304, HEAVY 42.0"	25 PC	125	25			M	2880.89		
MLT12S-Q	STEEL TIE, AISI 304, STANDARD 42.0"	25 PC	125	25			M	2496.09		
MLT14H-Q	STEEL TIE, AISI 304, HEAVY 47.0"	25 PC	125	25			M	3543.49		
MLT14S-Q	STEEL TIE, AISI 304, STANDARD 47.0"	25 PC	125	25			M	3070.18		
MLT15S-Q	STEEL TIE, AISI 304, STANDARD 50.0"	25 PC	125	25			M	3438.63		
MLTC2H-LP316	STEEL TIE, COATED AISI 316, HEAVY 7.9"	50 PC	250	50			M	1710.09		
MLTC4H-LP316	STEEL TIE, COATED AISI 316, HEAVY 14.3"	50 PC	250	50			M	2176.72		
MLTC6H-LP316	STEEL TIE, COATED AISI 316, HEAVY 20.5"	50 PC	250	50			M	3035.29		
MLTC8H-LP316	STEEL TIE, COATED AISI 316, HEAVY 26.8"	50 PC	250	50			M	4041.54		
MLTC10H-LP316	STEEL TIE, COATED AISI 316, HEAVY 33.0"	50 PC	250	50			M	5115.58		
MMP172-C	MKR PLATE, 304 STEEL, 4 HL, 1.7" X 0.8"	100 PC	1000	100			C	42.36		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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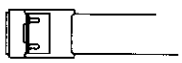
Effective Date: June 12, 2000

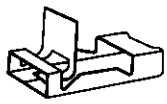
PANDUIT® Stainless Steel Products

MMP350 Stainless Marker Plate/Tag

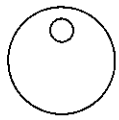


MS2X375X15 Stainless Steel Strapping

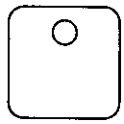
MS375X15 Continuous Strapping System



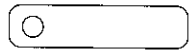
MSB Buckle for Continuous Strapping



MT1D-Q Stainless Marker Plate/Tag



MT1S-Q Stainless Marker Plate/Tag

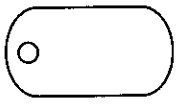


MT172 Stainless Marker Plate/Tag

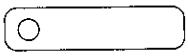
Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
MMP172-C316	MKR PLATE, 316 STEEL, 4 HL, 1.7" X 0.8"	100 PC	1000	100			C	$ 50.86	$	$
MMP172W38-C	MKR PLATE, 304 STEEL, 4 HL, 1.7" X 0.4"	100 PC	1000	100			C	34.95		
MMP172W38-C316	MKR PLATE, 316 STEEL, 4 HL, 1.7" X 0.4"	100 PC	1000	100			C	41.59		
MMP338W21-Q	MKR PLATE, 304 STEEL, 2 HL, 3.4" X 2.1"	25 PC	250	1	25	250	C	199.94	156.28	124.85
MMP350-C	MKR PLATE, 304 STEEL, 4 HL, 3.5" X 0.8"	100 PC	1000	100			C	53.48		
MMP350-X	MKR PLATE, 304 STEEL, 4 HL, 3.5" X 0.8"	10 PC	100				C	75.54		
MMP350-C316	MKR PLATE, 316 STEEL, 4 HL, 3.5" X 0.8"	100 PC	1000	100			C	64.27		
MMP350H-C	MKR PLATE, 304 STEEL, 4 HL, 3.5" X 0.8"	100 PC	1000	100			C	53.48		
MMP350H-X	MKR PLATE, 304 STEEL, 4 HL, 3.5" X 0.8"	10 PC	100				C	75.54		
MMP350H-C316	MKR PLATE, 316 STEEL, 4 HL, 3.5" X 0.8"	100 PC	1000	100			C	64.27		
MMP350W17-Q	MKR PLATE, 304 STEEL, 2 HL, 3.5" X 1.7"	25 PC	250	1	25	250	C	190.48	148.89	118.95
MMP350W38-C	MKR PLATE, 304 STEEL, 4 HL, 3.5" X 0.4"	100 PC	1000	100			C	40.10		
MMP350W38-C316	MKR PLATE, 316 STEEL, 4 HL, 3.5" X 0.4"	100 PC	1000	100			C	48.17		
MMPB338W21-Q	MKR PLATE, BRASS, 2 HOLE, 3.4" X 2.1"	25 PC	250	1	25	250	C	169.25	132.30	105.69
MPWM-H56-Q	STEEL PUSH WING MOUNT	25 PC	250	1	25	250	C	287.78	224.95	179.71
MS2X375X15-LS	STEEL STRAPPING, AISI 304, 0.38" X 10.5"	50 PC	250	50			M	1610.23		
MS4X375X15-LS	STEEL STRAPPING, AISI 304, 0.38" X 16.2"	50 PC	250	50			M	1853.02		
MS4X500X15-LS	STEEL STRAPPING, AISI 304, 0.50" X 16.2"	50 PC	250	50			M	1960.48		
MS4X500X20-LS	STEEL STRAPPING, AISI 304, 0.50" X 16.2"	50 PC	250	50			M	2117.32		
MS4X625X15-LS	STEEL STRAPPING, AISI 304, 0.63" X 16.2"	50 PC	250	50			M	2254.57		
MS6X375X15-LS	STEEL STRAPPING, AISI 304, 0.38" X 22.5"	50 PC	250	50			M	1965.06		
MS6X500X15-LS	STEEL STRAPPING, AISI 304, 0.50" X 22.5"	50 PC	250	50			M	2079.02		
MS6X500X20-LS	STEEL STRAPPING, AISI 304, 0.50" X 22.5"	50 PC	250	50			M	2286.91		
MS6X625X15-LS	STEEL STRAPPING, AISI 304, 0.63" X 22.5"	50 PC	250	50			M	2390.87		
MS8X375X15-LS	STEEL STRAPPING, AISI 304, 0.38" X 28.7"	50 PC	250	50			M	2105.03		
MS8X500X15-LS	STEEL STRAPPING, AISI 304, 0.50" X 28.7"	50 PC	250	50			M	2227.14		
MS8X500X20-LS	STEEL STRAPPING, AISI 304, 0.50" X 28.7"	50 PC	250	50			M	2472.11		
MS8X625X15-LS	STEEL STRAPPING, AISI 304, 0.63" X 28.7"	50 PC	250	50			M	2561.20		
MS10X375X15-LS	STEEL STRAPPING, AISI 304, 0.38" X 35.0"	50 PC	250	50			M	2553.98		
MS10X500X15-LS	STEEL STRAPPING, AISI 304, 0.50" X 35.0"	50 PC	250	50			M	2834.75		
MS10X500X20-LS	STEEL STRAPPING, AISI 304, 0.50" X 35.0"	50 PC	250	50			M	3203.27		
MS10X625X15-LS	STEEL STRAPPING, AISI 304, 0.63" X 35.0"	50 PC	250	50			M	3259.98		
MS375X15-TSR	STEEL STRAPPING, AISI 304, 0.38" X 200'	1 PC		1			PC	105.48		
MS500X15-TSR	STEEL STRAPPING, AISI 304, 0.50" X 200'	1 RL		1			RL	111.87		
MS500X20-TSR	STEEL STRAPPING, AISI 304, 0.50" X 200'	1 RL		1			RL	133.14		
MS625X15-TSR	STEEL STRAPPING, AISI 304, 0.63" X 200'	1 RL		1			RL	125.31		
MSB375-CS	LOOSE PIECE BUCKLES FOR 0.38" STRAPPING	100 PC	1000	100			C	29.82		
MSB500-CS	LOOSE PIECE BUCKLES FOR 0.50" STRAPPING	100 PC	1000	100			C	40.05		
MSB625-CS	LOOSE PIECE BUCKLES FOR 0.63" STRAPPING	100 PC	1000	100			C	46.05		
MSC2X375-LS1	STEEL STRAPPING, CTD 316, 0.38" X 10.5"	50 PC	250	50			M	3433.96		
MSC2X500-LS1	STEEL STRAPPING, CTD 316, 0.50" X 10.5"	50 PC	250	50			M	3828.97		
MSC2X625-LS1	STEEL STRAPPING, CTD 316, 0.63" X 10.5"	50 PC	250	50			M	3893.29		
MSC4X375-LS1	STEEL STRAPPING, CTD 316, 0.38" X 16.2"	50 PC	250	50			M	3814.29		
MSC4X500-LS1	STEEL STRAPPING, CTD 316, 0.50" X 16.2"	50 PC	250	50			M	4291.99		
MSC4X625-LS1	STEEL STRAPPING, CTD 316, 0.63" X 16.2"	50 PC	250	50			M	4332.41		
MSC6X375-LS1	STEEL STRAPPING, CTD 316, 0.38" X 22.5"	50 PC	250	50			M	4233.20		
MSC6X500-LS1	STEEL STRAPPING, CTD 316, 0.50" X 22.5"	50 PC	250	50			M	4821.14		
MSC6X625-LS1	STEEL STRAPPING, CTD 316, 0.63" X 22.5"	50 PC	250	50			M	4837.68		
MSC8X375-LS1	STEEL STRAPPING, CTD 316, 0.38" X 28.7"	50 PC	250	50			M	4613.53		
MSC8X500-LS1	STEEL STRAPPING, CTD 316, 0.50" X 28.7"	50 PC	250	50			M	5240.04		
MSC8X625-LS1	STEEL STRAPPING, CTD 316, 0.63" X 28.7"	50 PC	250	50			M	5302.52		
MSH125-C	S-HOOK, BRASS, 1.25"	100 PC	1000	100			C	37.74		
MSH150-C	S-HOOK, BRASS, 1.20"	100 PC	1000	100			C	41.11		
MT1D-Q	MKR TAG, 304 STEEL, CIRCLE, 1.00"	25 PC	250	1	25	250	C	94.92	74.20	59.27
MT1S-Q	MKR TAG, 304 STEEL, SQUARE, 1.00"	25 PC	250	1	25	250	C	112.44	87.89	70.21

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

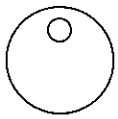
PANDUIT® Stainless Steel Products



MT206W119A Stainless Marker Plate/Tag



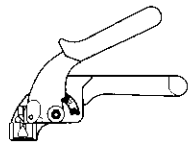
MT350-C316 Stainless Marker Plate/Tag



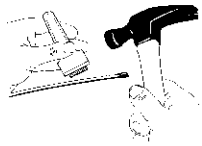
MTB1D-Q Brass Marker Plate/Tag

MTHS-C Banding Heads

PCSH-CR Vinyl Cushion Sleeve



ST2MT Installation Tool for Ties/Banding



STK12 Marker Stamp Kit

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
MT125B-Q	MKR TAG, 304 STEEL, OCTAGON, 1.25"	25 PC	250	1	25	250	C	$ 151.94	$ 118.77	$ 94.88
MT125S-Q	MKR TAG, 304 STEEL, SQUARE, 1.25"	25 PC	250	1	25	250	C	157.76	123.31	98.51
MT150B-Q	MKR TAG, 304 STEEL, OCTAGON, 1.50"	25 PC	250	1	25	250	C	172.07	134.50	107.45
MT150D-Q	MKR TAG, 304 STEEL, CIRCLE, 1.50"	25 PC	250	1	25	250	C	158.65	124.01	99.07
MT172-C	MKR TAG, 304 STEEL, RECT, 1.7" X 0.8"	100 PC	1000	100			C	42.36		
MT172-C316	MKR TAG, 316 STEEL, RECT, 1.7" X 0.8"	100 PC	1000	100			C	50.86		
MT172W38-C	MKR TAG, 304 STEEL, RECT, 1.7" X 0.4"	100 PC	1000	100			C	34.95		
MT172W38-X	MKR TAG, 304 STEEL, RECT, 1.7" X 0.4"	10 PC	100				C	49.33		
MT206W119A-Q	MKR TAG, 304 STEEL, DOG TAG, 2.1" X 1.2"	25 PC	250	1	25	250	C	133.39	104.27	83.30
MT213D-Q	MKR TAG, 304 STEEL, CIRCLE, 2.13"	25 PC	250	1	25	250	C	169.39	132.41	105.78
MT338W21-Q	MKR TAG, 304 STEEL, RECT, 3.4" X 2.1"	25 PC	250	1	25	250	C	199.94	156.28	124.85
MT350-C	MKR TAG, 304 STEEL, RECT, 3.5" X 0.8"	100 PC	1000	100			C	51.06		
MT350-C316	MKR TAG, 316 STEEL, RECT, 3.5" X 0.8"	100 PC	1000	100			C	61.33		
MT350W17-Q	MKR TAG, 304 STEEL, RECT, 3.5" X 1.7"	25 PC	250	1	25	250	C	190.48	148.89	118.95
MT350W38-C316	MKR TAG, 316 STEEL, RECT, 3.5" X 0.4"	100 PC	1000	100			C	45.98		
MTB1D-Q	MKR TAG, BRASS, CIRCLE, 1.00"	25 PC	250	1	25	250	C	62.68	48.99	39.14
MTB150B-Q	MKR TAG, BRASS, OCTAGON, 1.50"	25 PC	250	1	25	250	C	150.91	117.96	94.24
MTB150D-Q	MKR TAG, BRASS, CIRCLE, 1.50"	25 PC	250	1	25	250	C	108.20	84.58	67.57
MTB206W119A-Q	MKR TAG, BRASS, DOG TAG, 2.1" X 1.2"	25 PC	250	1	25	250	C	126.55	98.92	79.02
MTB213D-Q	MKR TAG, BRASS, CIRCLE, 2.13"	25 PC	250	1	25	250	C	141.18	110.35	88.16
MTB338W21-Q	MKR TAG, BRASS, RECT, 3.4" X 2.1"	25 PC	250	1	25	250	C	169.25	132.30	105.69
MTB350W17-Q	MKR TAG, BRASS, RECT, 3.5" X 1.7"	25 PC	250	1	25	250	C	153.91	120.31	96.11
MTHH-C	CONT BANDING TIE HEAD, AISI 304, HEAVY	100 PC	1000	100			M	451.05		
MTHH-C316	CONT BANDING TIE HEAD, AISI 316, HEAVY	100 PC	1000	100			M	538.56		
MTHS-C	CONT BANDING TIE HEAD, AISI 304, STD	100 PC	1000	100			M	369.19		
MTHS-C316	CONT BANDING TIE HEAD, AISI 316, STD	100 PC	1000	100			M	459.94		
MTM1H-C	STEEL TIE MOUNT, 1 HL FOLDOVER, #8 SCR	100 PC	1000	100			C	87.58		
MTM1H10-C	STEEL TIE MOUNT, 1 HL FOLDOVER, #10 SCR	100 PC	1000	100			C	87.58		
MTM1H25-C	STEEL TIE MOUNT, 1 HL FOLDOVER, .25" SCR	100 PC	1000	100			C	87.58		
MTM2H-Q	STEEL TIE MOUNT, 2 HOLE	25 PC	250	1	25	250	C	316.02	247.02	197.34
MTMBH-Q	STEEL TIE MOUNT, BULKHEAD	25 PC	250	1	25	250	C	168.68	131.85	105.33
MWK094	INDENTER PRESS WHEEL KIT, 0.09" CHAR	1 KT		1			KT	955.56		
MWK125	INDENTER PRESS WHEEL KIT, 0.13" CHAR	1 KT		1			KT	955.56		
MWK187	INDENTER PRESS WHEEL KIT, 0.25" CHAR	1 KT		1			KT	1109.60		
PCSH-B-CR	CUSION SLEEVING, HEAVY, 100'	1 RL		1			RL	205.92		
PCSH-CR	CUSHION SLEEVING, HEAVY, 100' TUBULAR	1 PC		1			RL	175.02		
PCSS-B-CR	CUSHION SLEEVING, STD, 100'	1 RL		1			RL	167.73		
PCSS-CR	CUSHION SLEEVING, STD, 100' TUBULAR	1 PC		1			RL	142.57		
ST2MT	STL TIE TOOL, MANUAL TENSION AND CUTOFF	1 PC					CONTACT FACTORY FOR PRICING			
STK12	MARKER STAMP KIT, 0.13" CHARACTERS	1 KT		1			KT	1008.05		

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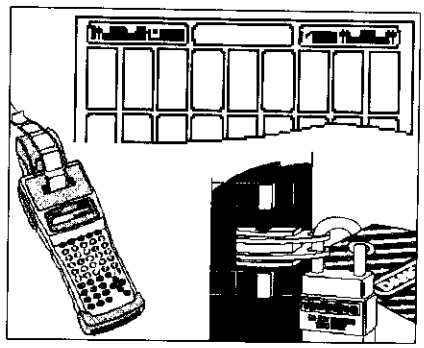
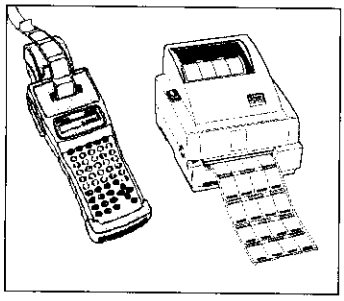
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Identification Products

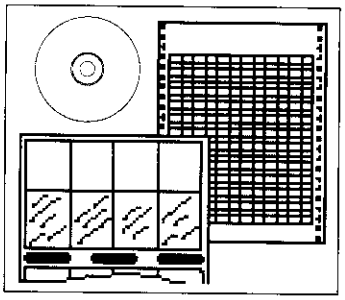
In today's world of complex industrial equipment and facilities the need to identify wires, cables and components is more important than ever. Often proper identification is the key to correct assembly of complicated equipment, troubleshooting and repair of automated systems and tracking production of high tech computer components. Labels and signs for warning of electrical hazards and lockout products are key factors in workplace safety. *Panduit*® offers a wide range of identification and safety products, in a variety of materials and sizes for use in almost any application environment.





Printers

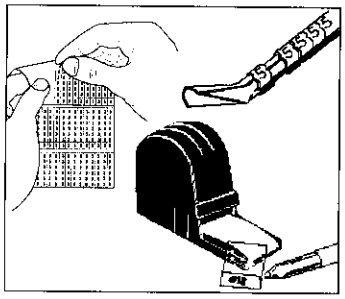
Panduit offers a variety of hand-held and desktop printers designed to produce high quality custom labels when you need them. Each printer has a complete line of label supplies and accessories to allow the flexibility to produce labels for a wide variety of applications. From the *PAN-QUIK*™ LS3E Hand-Held Printer for fast and easy on-site labeling, to the *DURA-MARK*™ PTR2E Thermal Transfer Desktop Printer for use with your computer and *PAN-MARK*™ Labeling Software, *Panduit* has the on-demand labeling solutions you need.



Computer Printable Labels and Software

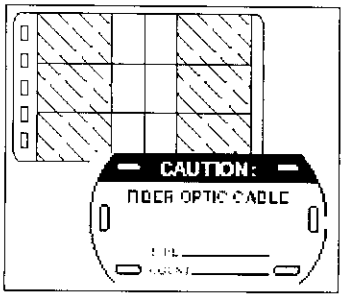
Labels are available for dot matrix, laser, ink jet and thermal transfer desktop printers for a wide range of applications. Self-laminating labels protect the legend with a clear overlaminate and are ideal for wire and cable marking. Blank labels are available in a variety of materials ranging from vinyl for general, indoor component marking use to polyimide for use in wave solder applications that require exposure to temperatures in excess of 300°F.

PAN-MARK Labeling Software lets you create labels quickly and economically for electrical, electronic and data-comm applications.



Write-On and Preprinted Wire Markers

Self-laminating wire markers are available in books, cards and handy roll dispensers to allow custom labeling on-site. The clear overlaminate protects the legend for long-lasting legibility. Preprinted adhesive markers are available in a wide range of legends in books, cards and convenient tape dispensers. Preprinted clip-on and slip-on markers are offered for a range of wire sizes and provide secure, non-adhesive identification.

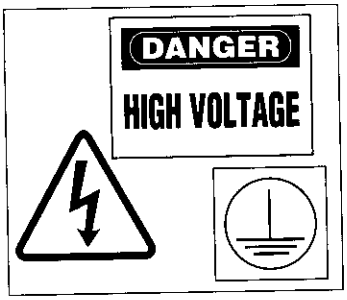


Cable Marking Products

Large cables and cable bundles can be identified with a variety of Panduit products. Self-laminating adhesive labels are available for large diameter cables. Tags and marker holders that attach with cable ties can be used to bundle and secure cables along with providing important information. Many of these products are also available in several colors to allow color-coding. Burial tapes are available for identification of underground cables.

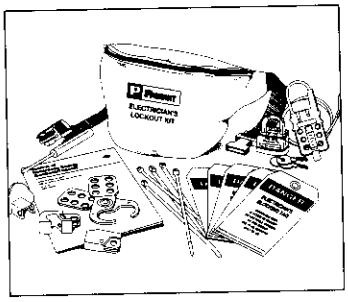
*The following trade names are used throughout this section:
TEDLAR is the registered trademark of EI DuPont Co.

PANDUIT® Identification Products



Electrical and Warning Labels

Increase workplace safety with labels to clearly communicate hazard risks and personal protection requirements. Proper identification keeps workers out of danger and on the job while helping you achieve OSHA compliance. Labels and signs are available in a variety of legends and materials.



Lockout / Tagout Products

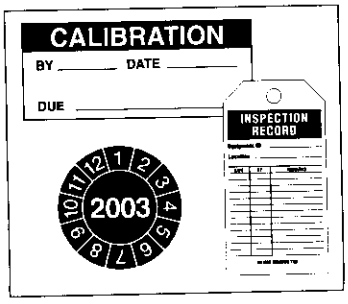
Protect your employees during equipment installation and repair with this complete line of safety products. *PANDUIT* has many unique, universal products such as the PSL-CB Circuit Breaker Lockout that combine superior performance with the flexibility to cover a wide range of applications. Meeting OSHA training requirements is easy with the video and CD training programs available. *PANDUIT* also offers a complete line of locks, hasps, tags and labels.

Facility Identification Products

Communicate important information within your facility or on the job site with *PANDUIT* products. Numbers and letters are available in several sizes and colors. Signs and tags are available in a wide range of legends. Pipe markers are offered in adhesive and non-adhesive styles to identify pipe contents and the direction of flow. Checkered and striped floor tape are ideal for marking off areas within your facility designated for specific uses.

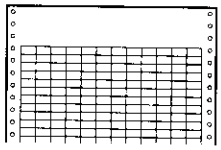
Utility and Construction Products

Durable, outdoor materials are used for *PANDUIT* identification products designed for utility and construction site marking. Reflective letters and numbers are available individually and in kits for labeling convenience. Underground and barricade tapes in a variety of legends can be used to warn of buried lines and hazards.

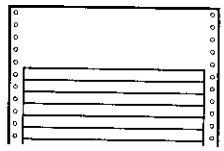


Quality Assurance, Inspection and Industrial Labels

PANDUIT offers a complete line of labels and tags for all of your quality assurance, inspection and production control needs. A wide range of legends is available in a variety of sizes and formats. All labels and tags have a write-on surface designed for easy marking with pencil or pen. Fluorescent materials are offered for high visibility marking.



CPPLF-5
Patch Panel / Furniture Faceplate Label



DS110
110 Block Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CCS-WHT	DM SELF-LAM, 1.17" X 3.00", VINYL, WHT	5000 PC		5000	30000	50000	M	$ 157.91	$ 127.96	$ 113.44
CCS-YEL	DM SELF-LAM, 1.17" X 3.00", VINYL, YEL	5000 PC		5000	30000	50000	M	157.91	127.96	113.44
CORD-A	LS3E REPLACEMENT POWER CORD, AUS 240 VAC	1 PC		1			PC	22.88		
CORD-E	LS3E REPLACEMENT POWER CORD, EURO 230 VAC	1 PC		1			PC	22.88		
CORD-S	LS3E REPLACEMENT POWER CORD, 120 VAC	1 PC		1			PC	22.88		
CORD-U	LS3E REPLACEMENT POWER CORD, U.K. 240 VAC	1 PC		1			PC	22.88		
CPLMOD-5	DM/LSR/IJ LABEL, 0.61" X 0.23", WHT	5000 PC		5000	30000	50000	M	32.22	26.11	23.15
CPPLF-5	PATCH PANEL/FURN FP LABEL, LASER/DM, WHT	5000 PC	50000	5000	30000	50000	M	32.22	26.11	23.15
CPPLF-5BU	PATCH PANEL/FURN FP LABEL, LASER/DM, BLU	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
CPPLF-5EI	PATCH PANEL/FURN FP LABEL, LASER/DM, IVY	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
CPPLF-5GR	PATCH PANEL/FURN FP LABEL, LASER/DM, GRN	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
CPPLF-5IG	PATCH PANEL/FURN FP LABEL, LASER/DM, GRY	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
CPPLF-5OR	PATCH PANEL/FURN FP LABEL, LASER/DM, ORN	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
CPPLF-5RD	PATCH PANEL/FURN FP LABEL, LASER/DM, RED	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
CPPLF-5VL	PATCH PANEL/FURN FP LABEL, LASER/DM, VIO	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
CPPLF-5YL	PATCH PANEL/FURN FP LABEL, LASER/DM, YEL	5000 PC	50000	5000	30000	50000	M	35.43	28.71	25.45
DS110	110 BLOCK LABEL, NON-ADH, LASER/DM, WHT	150 PC	1500	150	1500	4500	M	247.41	200.49	177.74
DS110-BR	110 BLOCK LABEL, NON-ADH, LASER/DM, BRN	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DS110-BU	110 BLOCK LABEL, NON-ADH, LASER/DM, BLU	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DS110-GR	110 BLOCK LABEL, NON-ADH, LASER/DM, GRN	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DS110-IG	110 BLOCK LABEL, NON-ADH, LASER/DM, GRY	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DS110-OR	110 BLOCK LABEL, NON-ADH, LASER/DM, ORN	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DS110-RD	110 BLOCK LABEL, NON-ADH, LASER/DM, RED	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DS110-VL	110 BLOCK LABEL, NON-ADH, LASER/DM, VIO	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DS110-YL	110 BLOCK LABEL, NON-ADH, LASER/DM, YEL	150 PC	1500	150	1500	4500	M	253.03	205.04	181.78
DSL110	110 BLOCK LABEL, NON-ADH, WRITE-ON, WHT	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110BR	110 BLOCK LABEL, NON-ADH, WRITE-ON, BRN	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110BU	110 BLOCK LABEL, NON-ADH, WRITE-ON, BLU	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110GR	110 BLOCK LABEL, NON-ADH, WRITE-ON, GRN	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110IG	110 BLOCK LABEL, NON-ADH, WRITE-ON, GRY	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110OR	110 BLOCK LABEL, NON-ADH, WRITE-ON, ORN	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110RD	110 BLOCK LABEL, NON-ADH, WRITE-ON, RED	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110VL	110 BLOCK LABEL, NON-ADH, WRITE-ON, VIO	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSL110YL	110 BLOCK LABEL, NON-ADH, WRITE-ON, YEL	1 PK	100	1	10	50	PK	3.41	2.76	2.45
DSLGP	GIGA PUNCH 6 LBL, NON-ADH, WRITE-ON, WHT	1 PK	10	1	10	50	PK	3.41	2.76	2.45
DSLGP-BR	110 BLOCK LABEL, NON-ADH, LASER/DM, BRN	1 PK	10	1	10	50	PK	3.74	3.03	2.69
DSLGP-BU	GIGA PUNCH 6 LBL, NON-ADH, WRITE-ON, BLU	1 PK	10	1	10	50	PK	3.41	2.76	2.45
DSLGP-GR	110 BLOCK LABEL, NON-ADH, LASER/DM, GRN	1 PK	10	1	10	50	PK	3.74	3.03	2.69
DSLGP-IG	110 BLOCK LABEL, NON-ADH, LASER/DM, GRY	1 PK	10	1	10	50	PK	3.74	3.03	2.69
DSLGP-OR	110 BLOCK LABEL, NON-ADH, LASER/DM, ORN	1 PK	10	1	10	50	PK	3.74	3.03	2.69
DSLGP-RD	GIGA PUNCH 6 LBL, NON-ADH, WRITE-ON, RED	1 PK	10	1	10	50	PK	3.41	2.76	2.45
DSLGP-VL	110 BLOCK LABEL, NON-ADH, LASER/DM, VIOL	1 PK	10	1	10	50	PK	3.74	3.03	2.69
DSLGP-YL	GIGA PUNCH 6 LBL, NON-ADH, WRITE-ON, YEL	1 PK	10	1	10	50	PK	3.41	2.76	2.45
DSLGP9	GIGA PUNCH 9 LBL, NON-ADH, WRITE-ON, WHT	1 PK	10	1	10	50	PK	3.41	2.76	2.45
DSLGP9-BU	GIGA PUNCH 9 LBL, NON-ADH, WRITE-ON, BLU	1 PK	10	1	10	50	PK	3.41	2.76	2.45
DSLGP9-RD	GIGA PUNCH 9 LBL, NON-ADH, WRITE-ON, RED	1 PK	10	1	10	50	PK	3.41	2.76	2.45
DSLGP9-YL	GIGA PUNCH 9 LBL, NON-ADH, WRITE-ON, YEL	1 PK	10	1	10	50	PK	3.41	2.76	2.45
EFPL-1	FACEPLATE LABEL, SGL GANG ADH, DM, WHT	1000 PC	10000	1000	5000	10000	M	81.95	66.41	58.88
EFPL-BU-1	FACEPLATE LABEL, SGL GANG ADH, DM, BLU	1000 PC	10000	1000	5000	10000	M	92.93	75.31	66.76
EFPL-EI-1	FACEPLATE LABEL, SGL GANG ADH, DM, IVY	1000 PC	10000	1000	5000	10000	M	92.93	75.31	66.76
EFPL-IG-1	FACEPLATE LABEL, SGL GANG ADH, DM, GRY	1000 PC	10000	1000	5000	10000	M	92.93	75.31	66.76
EFPL-RD-1	FACEPLATE LABEL, SGL GANG ADH, DM, RED	1000 PC	10000	1000	5000	10000	M	92.93	75.31	66.76
EFPL-YL-1	FACEPLATE LABEL, SGL GANG ADH, DM, YEL	1000 PC	10000	1000	5000	10000	M	92.93	75.31	66.76
EFPL10-1	FACEPLATE LABEL, DBL GANG ADH, DM, WHT	1000 PC	5000	1000	5000	10000	M	131.23	106.34	94.28
EFPT-1	FACEPLT LBL, SGL GANG NON-ADH, L/DM, WHT	1000 PC	10000	1000	5000	10000	M	61.28	49.66	44.03

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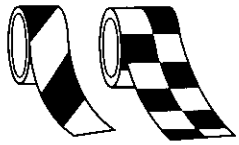
All prices subject to change without notice.

HSDL9
Heat Shrink / Data Label Kit

HT2
Hazard Tape



HT2S and HT2P
Hazard Tape

HTB2-C
Barricade Tape

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
EFPT10-1	FACEPLT LBL, DBL GANG NON-ADH, L/DM, WHT	1000 PC	10000	1000	5000	10000	M	$ 95.44	$ 77.34	$ 68.56
FD2-RED	FLOOR DOTS, 2" DIAM, RED, 500/RL	1 RL	6	1	5	25	RL	57.53	49.26	43.06
FD2-YEL	FLOOR DOTS, 2" DIAM, YEL, 500/RL	1 RL	6	1	5	25	RL	57.53	49.26	43.06
FD3-RED	FLOOR DOTS, 3" DIAM, RED, 500/RL	1 RL	6	1	5	25	RL	99.70	85.37	74.63
FD3-YEL	FLOOR DOTS, 3" DIAM, YEL, 500/RL	1 RL	6	1	5	25	RL	99.70	85.37	74.63
FOL-1	FIBER OPTIC WNG LBL, 2.0" X 1.5", 25/PK	25 PC	250	25	100	500	PC	1.19	1.10	1.04
FOL-2	LIGHT GUIDE CBL LBL, 3.5" X 1.5", 25/PK	25 PC	250	25	100	500	PC	1.19	1.10	1.04
FOL-3	RACK MOUNT ENC LBL, 16.5" X 1.5", 25/PK	25 PC	250	25	100	500	PC	3.07	2.86	2.69
FOL-4	RACK MOUNT ENC LBL, 16.5" X 1.5", 25/PK	25 PC	250	25	100	500	PC	3.07	2.86	2.69
HSDL9-12-94	DM HEAT SHRINK/DATA LABEL KIT, PDL-94	1000 PC		1000	5000	10000	M	184.32	149.36	132.41
HSDL9-12-285	DM HEAT SHRINK/DATA LABEL KIT, PDL-285	1000 PC		1000	5000	10000	M	184.32	149.36	132.41
HSDL9-25-94	DM HEAT SHRINK/DATA LABEL KIT, PDL-94	1000 PC		1000	5000	10000	M	278.05	225.32	199.75
HSDL9-25-285	DM HEAT SHRINK/DATA LABEL KIT, PDL-285	1000 PC		1000	5000	10000	M	278.05	225.32	199.75
HSDL9-37-31	DM HEAT SHRINK/DATA LABEL KIT, PDL-31	1000 PC		1000	5000	10000	M	299.78	242.93	215.36
HT2-BLK	HAZARD TAPE, ADH, 2" X 60YD, BLK	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2-BLU	HAZARD TAPE, ADH, 2" X 60YD, BLU	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2-GRN	HAZARD TAPE, ADH, 2" X 60YD, GRN	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2-ORN	HAZARD TAPE, ADH, 2" X 60YD, ORN	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2-PUR	HAZARD TAPE, ADH, 2" X 60YD, PUR	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2-RED	HAZARD TAPE, ADH, 2" X 60YD, RED	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2-WHT	HAZARD TAPE, ADH, 2" X 60YD, WHT	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2-YEL	HAZARD TAPE, ADH, 2" X 60YD, YEL	1 RL	5	1	5	25	RL	50.99	43.66	38.16
HT2P-BLK-YEL	HAZARD TAPE, ADH, 2" X 18YD, B/Y CHECK	1 RL	12	1	5	25	RL	30.14	25.81	22.56
HT2P-RED-WHT	HAZARD TAPE, ADH, 2" X 18YD, R/W CHECK	1 RL	12	1	5	25	RL	30.14	25.81	22.56
HT2S-BLK-YEL	HAZARD TAPE, ADH, 2" X 18YD, B/Y STRIPE	1 RL	12	1	5	25	RL	30.14	25.81	22.56
HT2S-MGA-YEL	HAZARD TAPE, ADH, 2" X 18YD, M/Y STRIPE	1 RL	12	1	5	25	RL	30.14	25.81	22.56
HT2S-RED-WHT	HAZARD TAPE, ADH, 2" X 18YD, R/W STRIPE	1 RL	12	1	5	25	RL	30.14	25.81	22.56
HT3-BLU	HAZARD TAPE, ADH, 3" X 60YD, BLU	1 RL	5	1	5	25	RL	74.97	64.19	56.11
HT3-GRN	HAZARD TAPE, ADH, 3" X 60YD, GRN	1 RL	5	1	5	25	RL	74.97	64.19	56.11
HT3-ORN	HAZARD TAPE, ADH, 3" X 60YD, ORN	1 RL	5	1	5	25	RL	74.97	64.19	56.11
HT3-RED	HAZARD TAPE, ADH, 3" X 60YD, RED	1 RL	5	1	5	25	RL	74.97	64.19	56.11
HT3-YEL	HAZARD TAPE, ADH, 3" X 60YD, YEL	1 RL	5	1	5	25	RL	74.97	64.19	56.11
HT3S-BLK-YEL	HAZARD TAPE, ADH, 3" X 18YD, B/Y STRIPE	1 RL	10	1	5	25	RL	44.32	37.95	33.18
HT3S-RED-WHT	HAZARD TAPE, ADH, 3" X 18YD, R/W STRIPE	1 RL	10	1	5	25	RL	44.32	37.95	33.18
HTB2-C	BARRICADE TAPE, 3", 'CAUTION'	1 RL	12	1	10	25	RL	22.61	20.99	18.35
HTB2-MW	BARRICADE TAPE, 3", 'MEN WORKING'	1 RL	12	1	10	25	RL	22.61	20.99	18.35
HTB3-APO	BARRICADE TAPE, 3", 'AUTH PERS ONLY'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-CA	BARRICADE TAPE, 3", 'CONSTRUCTION AREA'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-CS	BARRICADE TAPE, 3", 'CONFINED SPACE'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-DNE	BARRICADE TAPE, 3", 'DO NOT ENTER'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-FL	BARRICADE TAPE, 3", 'FIRE LINE'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-HV	BARRICADE TAPE, 3", 'HIGH VOLTAGE'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-MWO	BARRICADE TAPE, 3", 'MEN WORKING OVERHD'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-OT	BARRICADE TAPE, 3", 'OPEN TRENCH'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTB3-WF	BARRICADE TAPE, 3", 'WET FLOOR'	1 RL	12	1	10	25	RL	28.32	26.30	22.99
HTDU2B-W	DETECT UND TAPE, 2" X 1000', WATER	1 RL		1	10	25	RL	115.73	107.46	93.94
HTDU2O-FO	DETECT UND TAPE, 2" X 1000', FIBER OPTIC	1 RL		1	10	25	RL	115.73	107.46	93.94
HTDU2O-T	DETECT UND TAPE, 2" X 1000', TELEPHONE	1 RL		1	10	25	RL	115.73	107.46	93.94
HTDU2O-TV	DETECT UND TAPE, 2" X 1000', CABLE TV	1 RL		1	10	25	RL	115.73	107.46	93.94
HTDU2R-E	DETECT UND TAPE, 2" X 1000', ELECT	1 RL		1	10	25	RL	115.73	107.46	93.94
HTDU3O-FO	DETECT UND TAPE, 3" X 1000', FIBER OPTIC	1 RL		1	10	25	RL	167.15	155.21	135.68
HTDU3O-T	DETECT UND TAPE, 3" X 1000', TELEPHONE	1 RL		1	10	25	RL	167.15	155.21	135.68
HTDU3R-E	DETECT UND TAPE, 3" X 1000', ELECT	1 RL		1	10	25	RL	167.15	155.21	135.68
HTDU3Y-G	DETECT UND TAPE, 3" X 1000', GAS	1 RL		1	10	25	RL	167.15	155.21	135.68
HTDU6O-FO	DETECT UND TAPE, 6" X 1000', FIBER OPTIC	1 RL		1	10	25	RL	321.46	298.50	260.93

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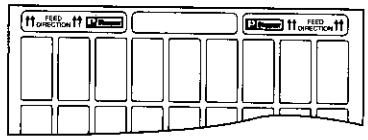
HTDU
Underground Hazard Tape



JL
Blank Ink Jet Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HTDU6O-T	DETECT UND TAPE, 6" X 1000', TELEPHONE	1 RL		1	10	25	RL	$ 321.46	$ 298.50	$ 260.93
HTDU6R-E	DETECT UND TAPE, 6" X 1000', ELECT	1 RL		1	10	25	RL	321.46	298.50	260.93
HTDU6Y-G	DETECT UND TAPE, 6" X 1000', GAS	1 RL		1	10	25	RL	321.46	298.50	260.93
HTU3G-T	UNDERGRND TAPE, 3" X 2000', TELEPHONE	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU3O-FO	UNDERGRND TAPE, 3" X 2000', FIBER OPTIC	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU3O-G	UNDERGRND TAPE, 3" X 2000', GAS	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU3O-T	UNDERGRND TAPE, 3" X 2000', TELEPHONE	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU3R-E	UNDERGRND TAPE, 3" X 2000', ELECTIC	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU3Y-E	UNDERGRND TAPE, 3" X 2000', ELECTRIC	1 RL	5	1	10	25	RL	82.19	76.32	66.71
HTU3Y-EF	UNDERGROUND TAPE, 3" X 2000', ENG/FRA	1 RL		1	5		RL	83.79	75.25	
HTU6B-W	UNDERGRND TAPE, 6" X 1000', WATER	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU6O-FO	UNDERGRND TAPE, 6" X 1000', FIBER OPTIC	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU6O-T	UNDERGRND TAPE, 6" X 1000', TELEPHONE	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU6O-TV	UNDERGRND TAPE, 6" X 1000', CABLE TV	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU6R-E	UNDERGRND TAPE, 6" X 1000', ELECTIC	1 RL	4	1	10	25	RL	82.19	76.32	66.71
HTU6Y-E	UNDERGRND TAPE, 6" X 1000', ELECTRIC	1 RL	4	1	10	25	RL	82.19	76.32	66.71
HTU6Y-EF	UNDERGROUND TAPE, 6" X 1000', ENG/FRA	1 RL		1	10	25	RL	82.19	76.32	66.71
HTU6Y-G	UNDERGRND TAPE, 6" X 1000', GAS	1 RL		1	10	25	RL	82.19	76.32	66.71
JL2Y-10	IJ LABEL, 0.38" X 0.38", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	12.02	9.74	8.64
JL3C-10	IJ LABEL, 0.75" X 0.50", VIN CLOTH, WHT	10000 PC	50000	10000	50000	100000	M	22.62	18.33	16.25
JL3Y-10	IJ LABEL, 0.50" X 0.75", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	24.73	20.04	17.76
JL4Y-10	IJ LABEL, 0.25" X 0.65", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	12.11	9.81	8.70
JL5Y-10	IJ LABEL, 0.25" X 0.80", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	16.72	13.55	12.01
JL7P-10	IJ LABEL, 0.25" X 1.00", DST PAPER, WHT	10000 PC	50000	10000	50000	100000	M	30.02	24.32	21.56
JL7PO-10	IJ LABEL, 0.25" X 1.00", POLYOLEFIN, WHT	10000 PC	50000	10000	50000	100000	M	28.68	23.24	20.60
JL7Y-10	IJ LABEL, 0.25" X 1.00", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	16.62	13.47	11.94
JL8C-10	IJ LABEL, 0.38" X 1.00", VIN CLOTH, WHT	10000 PC	50000	10000	50000	100000	M	29.09	23.58	20.90
JL8P-10	IJ LABEL, 0.38" X 1.00", DST PAPER, WHT	10000 PC	50000	10000	50000	100000	M	7.85	6.36	5.64
JL8PO-10	IJ LABEL, 0.38" X 1.00", POLYOLEFIN, WHT	10000 PC	50000	10000	50000	100000	M	31.63	25.63	22.73
JL8Y-10	IJ LABEL, 0.38" X 1.00", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	27.04	21.91	19.43
JL9C-10	IJ LABEL, 0.50" X 1.00", VIN CLOTH, WHT	10000 PC	50000	10000	50000	100000	M	30.95	25.08	22.24
JL9P-10	IJ LABEL, 0.50" X 1.00", DST PAPER, WHT	10000 PC	50000	10000	50000	100000	M	7.64	6.19	5.49
JL9PO-10	IJ LABEL, 0.50" X 1.00", POLYOLEFIN, WHT	10000 PC	50000	10000	50000	100000	M	28.68	23.24	20.60
JL9Y-10	IJ LABEL, 0.50" X 1.00", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	27.41	22.21	19.69
JL10C-5	IJ LABEL, 0.75" X 1.00", VIN CLOTH, WHT	5000 PC	25000	5000	30000	50000	M	44.91	36.39	32.26
JL10P-5	IJ LABEL, 0.75" X 1.00", DST PAPER, WHT	5000 PC	25000	5000	30000	50000	M	61.40	49.76	44.11
JL10Y-5	IJ LABEL, 0.75" X 1.00", POLYOLEFIN, WHT	5000 PC	25000	5000	30000	50000	M	46.77	37.90	33.60
JL12P-5	IJ LABEL, 0.50" X 1.50", DST PAPER, WHT	5000 PC	25000	5000	30000	50000	M	144.59	117.17	103.88
JL12Y-5	IJ LABEL, 0.50" X 1.50", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	59.06	47.86	42.43
JL14C-10	IJ LABEL, 0.25" X 1.50", VIN CLOTH, WHT	10000 PC	50000	10000	50000	100000	M	21.02	17.03	15.10
JL14PO-10	IJ LABEL, 0.25" X 1.50", POLYOLEFIN, WHT	10000 PC	50000	10000	50000	100000	M	30.07	24.36	21.60
JL14Y-10	IJ LABEL, 0.25" X 1.50", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	17.33	14.04	12.45
JL15Y-10	IJ LABEL, 1.88" X 0.25", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	19.71	15.98	14.16
JL16PO-2.5	IJ LABEL, 0.38" X 1.88", POLYOLEFIN, WHT	2500 PC	12500	2500	30000	50000	M	36.02	29.19	25.88
JL16Y-5	IJ LABEL, 0.38" X 1.88", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	34.28	27.78	24.63
JL17P-2.5	IJ LABEL, 0.83" X 1.88", DST PAPER, WHT	2500 PC	15000	2500	30000	50000	M	39.45	31.96	28.34
JL17PO-1	IJ LABEL, 0.83" X 1.88", POLYOLEFIN, WHT	1000 PC	5000	1000	5000	10000	M	119.54	96.87	85.88
JL17PO-2.5	IJ LABEL, 0.83" X 1.88", POLYOLEFIN, WHT	2500 PC	12500	2500	30000	50000	M	95.63	77.49	68.70
JL17Y-2.5	IJ LABEL, 0.83" X 1.88", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	61.27	49.65	44.01
JL18PO-1	IJ LABEL, 1.88" X 1.33", POLYOLEFIN, WHT	1000 PC	6000	1000	5000	10000	M	116.27	94.22	83.53
JL19PO-1	IJ LABEL, 0.38" X 3.00", POLYOLEFIN, WHT	1000 PC	5000	1000	5000	10000	M	105.18	85.23	75.56
JL19Y-2.5	IJ LABEL, 0.38" X 3.00", POLYESTER, WHT	2500 PC	12500	2500	30000	50000	M	51.80	41.98	37.21
JL22PO-1	IJ LABEL, 7.88" X 0.50", POLYOLEFIN, WHT	1000 PC	5000	1000	5000	10000	M	191.12	154.87	137.30
JL23PO-1	IJ LABEL, 0.56" X 0.56", POLYOLEFIN, WHT	1000 PC	5000	1000	5000	10000	M	103.67	84.01	74.48
JL24PO-1	IJ LABEL, 0.56" X 0.19", POLYOLEFIN, WHT	1000 PC	5000	1000	5000	10000	M	70.40	57.05	50.58

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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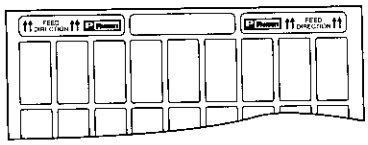
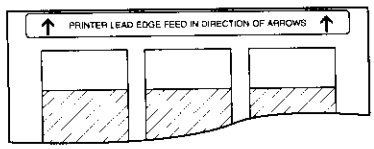


JL
Blank Ink Jet Labels



JSL
Self-Laminating Ink Jet Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
JL24PO-5	IJ LABEL, 0.56" X 0.19", POLYOLEFIN, WHT	5000 PC	25000	5000	30000	50000	M	$ 63.98	$ 51.85	$ 45.96
JL25P-SH	IJ LABEL, 8.50" X 11.00", DST PAPER, WHT	25 SH	125	25	100	500	C	198.52	160.87	142.61
JL25Y-SH	IJ LABEL, 8.50" X 11.00", POLYESTER, WHT	25 SH	125	25	100	500	C	348.63	282.51	250.45
JL32C-10	IJ LABEL, 0.20" X 0.65", VIN CLOTH, WHT	10000 PC	50000	10000	50000	100000	M	13.80	11.18	9.91
JL32Y-10	IJ LABEL, 0.20" X 0.65", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	12.11	9.81	8.70
JL33C-5	IJ LABEL, 1.44" X 0.50", VIN CLOTH, WHT	5000 PC	30000	5000	30000	50000	M	35.86	29.06	25.76
JL33PO-2.5	IJ LABEL, 1.44" X 0.50", POLYOLEFIN, WHT	2500 PC	12500	2500	30000	50000	M	87.00	70.50	62.50
JL33Y-5	IJ LABEL, 1.44" X 0.50", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	42.93	34.78	30.84
JL35C-2.5	IJ LABEL, 0.75" X 1.50", VIN CLOTH, WHT	2500 PC	12500	2500	30000	50000	M	59.35	48.10	42.64
JL35P-2.5	IJ LABEL, 0.75" X 1.50", DST PAPER, WHT	2500 PC	12500	2500	30000	50000	M	148.21	120.10	106.48
JL35PO-2.5	IJ LABEL, 0.75" X 1.50", POLYOLEFIN, WHT	2500 PC	12500	2500	30000	50000	M	62.19	50.39	44.68
JL35Y-2.5	IJ LABEL, 0.75" X 1.50", POLYESTER, WHT	2500 PC	12500	2500	30000	50000	M	58.97	47.78	42.36
JL41PO-0.5	IJ LABEL, 0.90" X 2.00", POLYOLEFIN, WHT	500 PK	2500	500	5000	10000	M	130.50	105.75	93.75
JL42PO-1	IJ LABEL, 0.80" X 1.50", POLYOLEFIN, WHT	1000 PC	5000	1000	5000	10000	M	75.32	61.04	54.11
JL43PO-1	IJ LABEL, 2.61" X 0.35", POLYOLEFIN, WHT	1000 PC	6000	1000	5000	10000	M	152.16	123.30	109.31
JL44PO-1	IJ LABEL, 3.70" X 0.34", POLYOLEFIN, WHT	1000 PC	6000	1000	5000	10000	M	114.53	92.81	82.28
JL111C-5	IJ LABEL, 0.38" X 2.00", VIN CLOTH, WHT	5000 PC	30000	5000	30000	50000	M	73.06	59.21	52.49
JL111Y-5	IJ LABEL, 0.38" X 2.00", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	47.40	38.41	34.05
JL172P-10	IJ LABEL, 0.50" X 0.80", DST PAPER, WHT	10000 PC	50000	10000	50000	100000	M	21.56	17.47	15.49
JL172Y-10	IJ LABEL, 0.50" X 0.80", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	24.55	19.90	17.64
JL274Y-10	IJ LABEL, 0.25" X 0.75", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	15.47	12.53	11.11
JL287Y-10	IJ LABEL, 0.25" X 0.90", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	16.62	13.47	11.94
JL412PO-1	IJ LABEL, 1.38" X 0.19", POLYOLEFIN, WHT	1000 PC	5000	1000	5000	10000	M	269.39	218.30	193.53
JL900C-2.5	IJ LABEL, 1.44" X 0.80", VIN CLOTH, WHT	2500 PC	12500	2500	30000	50000	M	54.84	44.44	39.40
JL901C-5	IJ LABEL, 0.75" X 1.25", VIN CLOTH, WHT	5000 PC	30000	5000	30000	50000	M	49.64	40.23	35.66
JL901PO-5	IJ LABEL, 0.75" X 1.25", POLYOLEFIN, WHT	5000 PC	25000	5000	30000	50000	M	62.47	50.62	44.88
JL901Y-5	IJ LABEL, 0.75" X 1.25", POLYESTER, WHT	5000 PC		5000	30000	50000	M	61.14	49.55	43.93
JL902P-2.5	IJ LABEL, 1.00" X 1.75", DST PAPER, WHT	2500 PC	12500	2500	30000	50000	M	68.57	55.57	49.26
JL902Y-2.5	IJ LABEL, 1.00" X 1.75", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	105.25	85.29	75.61
JL903P-0.5	IJ LABEL, 2.75" X 2.75", DST PAPER, WHT	500 PC	2500	500	5000	10000	M	111.99	90.75	80.45
JLCPL-1	PATCH PANEL/FURN FP LABEL, IJ, WHT	1000 PC	5000	1000	5000	10000	M	137.62	111.52	98.86
JLEFPD-1	FACEPLATE LABEL, DBL GANG ADH, IJ, WHT	1000 PC	5000	1000	5000	10000	M	135.42	109.74	97.29
JLEFPS-1	FACEPLATE LABEL, SGL GANG ADH, IJ, WHT	1000 PC	5000	1000	5000	10000	M	99.25	80.43	71.30
JSL1-V3-5	IJ SELF-LAM, 0.50" X 0.75", VINYL, WHT	5000 PC	30000	5000	30000	50000	M	33.88	27.45	24.34
JSL2-V3-5	IJ SELF-LAM, 0.50" X 1.50", VINYL, WHT	5000 PC	25000	5000	30000	50000	M	60.76	49.24	43.65
JSL3-V3-2.5	IJ SELF-LAM, 1.00" X 0.75", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	62.83	50.92	45.14
JSL4-V3-2.5	IJ SELF-LAM, 1.00" X 1.00", VINYL, WHT	2500 PC	15000	2500	30000	50000	M	75.39	61.10	54.16
JSL5-V3-1	IJ SELF-LAM, 1.00" X 1.33", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	69.44	56.27	49.89
JSL6-V3-1	IJ SELF-LAM, 1.00" X 3.17", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	248.25	201.16	178.34
JSL7-V3-1	IJ SELF-LAM, 2.00" X 1.50", VINYL, WHT	1000 PC	10000	1000	5000	10000	M	197.51	160.05	141.89
JSL8-V3-1	IJ SELF-LAM, 2.00" X 3.17", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	586.47	475.24	421.31
JSL9-V3-2.5	IJ SELF-LAM, 0.70" X 1.33", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	70.97	57.51	50.99
JSL10-V3-1	IJ SELF-LAM, 0.90" X 2.17", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	156.39	126.73	112.35
JSL11-V3-1	IJ SELF-LAM, 1.00" X 2.67", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	223.42	181.04	160.50
JSL12-V3-1	IJ SELF-LAM, 1.20" X 2.67", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	260.65	211.22	187.25
JSL13-V3-1	IJ SELF-LAM, 1.00" X 2.25", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	162.92	132.02	117.04
JSL14-V3-.5	IJ SELF-LAM, 1.40" X 5.50", VINYL, WHT	500 PC	2000	1000	5000	10000	M	625.56	506.92	449.40
JSL15-V3-.5	IJ SELF-LAM, 1.80" X 5.50", VINYL, WHT	500 PC	2000	500	5000	10000	M	781.96	633.65	561.75
JSL16-V3-1	IJ SELF-LAM, 2.00" X 2.25", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	439.85	356.43	315.99
JT1	SMEAR RESISTANT INK JET REFILL INK	1 PK		1	4	25	PK	57.87	46.90	41.58
JT500	SMEAR RESISTANT INK JET CART FOR HP500	1 PC		1	4	25	PC	123.63	100.18	88.81
JT600	SMEAR RESISTANT INK JET CART FOR HP600	1 PC		1	4	25	PC	123.63	100.18	88.81
JTK	SMEAR RESISTANT INK JET REFILL KIT	1 PC		1	4	25	PC	115.78	93.82	83.18
L3CBXCL	LS3E SURFACE MT BOX LABEL, CLR, 500/RL	1 RL	10	1			RL	75.46		
L3CBXWH	LS3E SURFACE MT BOX LABEL, WHT, 500/RL	1 RL	10	1			RL	85.76		

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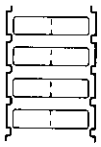
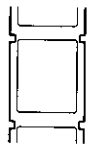


L3PCM
LS3E Marker Strips



LC
LS3E Component Labels

LC-40
LS3E Inspection Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
L3CPLFBR	LS3E 2 POS PATCH PANEL LBL, BRN, 500/RL	1 RL	10	1			RL	$ 78.37	$	$
L3CPLFBU	LS3E 2 POS PATCH PANEL LBL, BLU, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFCL	LS3E 2 POS PATCH PANEL LBL, CLR, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFGR	LS3E 2 POS PATCH PANEL LBL, GRN, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFIG	LS3E 2 POS PATCH PANEL LBL, GRY, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFOR	LS3E 2 POS PATCH PANEL LBL, ORN, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFPR	LS3E 2 POS PATCH PANEL LBL, PUR, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFRD	LS3E 2 POS PATCH PANEL LBL, RED, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFWH	LS3E 2 POS PATCH PANEL LBL, WHT, 500/RL	1 RL	10	1			RL	78.37		
L3CPLFYL	LS3E 2 POS PATCH PANEL LBL, YEL, 500/RL	1 RL	10	1			RL	78.37		
L3EFPL1WH	LS3E DBL GANG FP LABEL, ADH, WHT, 100/RL	1 RL	10	1			RL	16.62		
L3EFPL2WH	LS3E SGL GANG FP LABEL, ADH, WHT, 500/RL	1 RL	10	1			RL	62.12		
L3EFPN1WH	LS3E DBL GANG FP LABEL, N-A, WHT, 100/RL	1 RL	10	1			RL	43.04		
L3EFPN2WH	LS3E SGL GANG FP LABEL, N-A, WHT, 100/RL	1 RL	10	1			RL	28.71		
L3PCM18	LS3E MARKER STRIP, 0.50" X 0.50", 500/RL	1 RL	10	1			RL	45.78		
L3PCM25	LS3E MARKER STRIP, 1.50" X 0.36", 500/RL	1 RL	10	1			RL	39.15		
L3PCM36	LS3E MARKER STRIP, 1.50" X 0.25", 500/RL	1 RL	10	1			RL	32.51		
L3PJ1CL	LS3E WRAP-AROUND JACK LABEL, CLR, 500/RL	1 RL	10	1			RL	38.70		
L3PJ1WH	LS3E WRAP-AROUND JACK LABEL, WHT, 500/RL	1 RL	10	1			RL	38.70		
L3PL1WH	LS3E PATH LBL, 1.5" X 1.5", WHT, 250/RL	1 RL	10	1			RL	26.18		
L3PL2WH	LS3E PATH LBL, 1.5" X 0.9", WHT, 250/RL	1 RL	10	1			RL	21.08		
L3PL3CL	LS3E PATH LBL, 2.0" X 1.0", CLR, 100/RL	1 RL	10	1			RL	26.55		
L3PL3WH	LS3E PATH LBL, 2.0" X 1.0", WHT, 100/RL	1 RL	10	1			RL	26.55		
L3PP2BR	LS3E 6 POS PATCH PANEL LBL, BRN, 100/RL	1 RL	10	1			RL	16.45		
L3PP2BU	LS3E 6 POS PATCH PANEL LBL, BLU, 100/RL	1 RL	10	1			RL	16.45		
L3PP2GR	LS3E 6 POS PATCH PANEL LBL, GRN, 100/RL	1 RL	10	1			RL	16.45		
L3PP2IG	LS3E 6 POS PATCH PANEL LBL, GRY, 100/RL	1 RL	10	1			RL	16.45		
L3PP2OR	LS3E 6 POS PATCH PANEL LBL, ORN, 100/RL	1 RL	10	1			RL	16.45		
L3PP2PR	LS3E 6 POS PATCH PANEL LBL, PUR, 100/RL	1 RL	10	1			RL	16.14		
L3PP2RD	LS3E 6 POS PATCH PANEL LBL, RED, 100/RL	1 RL	10	1			RL	16.45		
L3PP2WH	LS3E 6 POS PATCH PANEL LBL, WHT, 100/RL	1 RL	10	1			RL	14.94		
L3PP2YL	LS3E 6 POS PATCH PANEL LBL, YEL, 100/RL	1 RL	10	1			RL	16.45		
LC-1	LS3E COMP LABEL, 1.50" X 1.25", 250/RL	1 RL	10	1			RL	32.00		
LC-2	LS3E COMP LABEL, 1.00" X 1.00", 250/RL	1 RL	10	1			RL	25.44		
LC-3	LS3E COMP LABEL, 0.50" X 0.50", 500/RL	1 RL	10	1			RL	30.80		
LC-4	LS3E COMP LABEL, 1.00" X 0.75", 250/RL	1 RL	10	1			RL	23.39		
LC-5	LS3E COMP LABEL, 1.50" X 0.75", 250/RL	1 RL	10	1			RL	27.98		
LC-6	LS3E COMP LABEL, 0.50" X 0.28", 500/RL	1 RL	10	1			RL	24.38		
LC-7	LS3E COMP LABEL, 1.00" X 0.28", 500/RL	1 RL	10	1			RL	27.98		
LC-8	LS3E COMP LABEL, 1.50" X 0.28", 500/RL	1 RL	10	1			RL	31.26		
LC-9	LS3E COMP LABEL, 1.00" X 0.40", 500/RL	1 RL	10	1			RL	34.85		
LC-10	LS3E COMP LABEL, 1.00" X 0.50", 500/RL	1 RL	10	1			RL	34.51		
LC-11	LS3E COMP LABEL, 1.50" X 0.50", 500/RL	1 RL	10	1			RL	39.18		
LC-14	LS3E TERM BLOCK LABEL, 0.31" X 35', 1/RL	1 RL	10	1			RL	27.23		
LC-15	LS3E TERM BLOCK LABEL, 0.38" X 35', 1/RL	1 RL	10	1			RL	27.38		
LC-38	LS3E INSPECTN LBL, 1.5" X 0.75", 250/RL	1 RL	10	1			RL	48.63		
LC-39	LS3E PROP TAG LBL, 1.5" X 0.75", 250/RL	1 RL	10	1			RL	48.63		
LC-40	LS3E CALIBRATN LBL, 1.5" X 0.75", 250/RL	1 RL	10	1			RL	48.63		
LC-41	LS3E ASSET LABEL, 1.5" X 0.75", 250/RL	1 RL	10	1			RL	32.42		
LHS12W1	HEAT SHRINK MARKER, 0.13"OD X 2.0"W, WHT	1 RL		1	5		RL	209.97	188.57	
LHS12W2	HEAT SHRINK MARKER, 0.13"OD X 1.0"W, WHT	1 RL		1	5		RL	220.46	197.99	
LHS12W4	HEAT SHRINK MARKER, 0.13"OD X 0.5"W, WHT	1 RL		1	5		RL	220.46	197.99	
LHS12Y1	HEAT SHRINK MARKER, 0.13"OD X 2.0"W, YEL	1 RL		1	5		RL	209.97	188.57	
LHS12Y2	HEAT SHRINK MARKER, 0.13"OD X 1.0"W, YEL	1 RL		1	5		RL	220.46	197.99	
LHS12Y4	HEAT SHRINK MARKER, 0.13"OD X 0.5"W, YEL	1 RL		1	5		RL	220.46	197.99	

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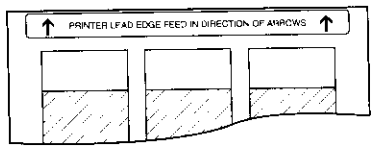
LHS
Heat Shrink Markers



LJSL
Self-Laminating Labels for Laser and Ink Jet

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities Qty 1	Qty 2	Qty 3	Price UOM	Suggested Trade Prices Price 1	Price 2	Price 3
LHS18W1	HEAT SHRINK MARKER, 0.19"OD X 2.0"W, WHT	1 RL	5	1	5		RL	$ 271.20	$ 243.56	$
LHS18W2	HEAT SHRINK MARKER, 0.19"OD X 1.0"W, WHT	1 RL	5	1	5		RL	284.75	255.73	
LHS18W4	HEAT SHRINK MARKER, 0.19"OD X 0.5"W, WHT	1 RL	5	1	5		RL	284.75	255.73	
LHS18Y1	HEAT SHRINK MARKER, 0.19"OD X 2.0"W, YEL	1 RL	5	1	5		RL	271.20	243.56	
LHS18Y2	HEAT SHRINK MARKER, 0.19"OD X 1.0"W, YEL	1 RL	5	1	5		RL	284.75	255.73	
LHS18Y4	HEAT SHRINK MARKER, 0.19"OD X 0.5"W, YEL	1 RL	5	1	5		RL	284.75	255.73	
LHS25W1	HEAT SHRINK MARKER, 0.25"OD X 2.0"W, WHT	1 RL		1	5		RL	332.46	298.58	
LHS25W2	HEAT SHRINK MARKER, 0.25"OD X 1.0"W, WHT	1 RL		1	5		RL	349.07	313.50	
LHS25W4	HEAT SHRINK MARKER, 0.25"OD X 0.5"W, WHT	1 RL		1	5		RL	349.07	313.50	
LHS25Y1	HEAT SHRINK MARKER, 0.25"OD X 2.0"W, YEL	1 RL		1	5		RL	332.46	298.58	
LHS25Y2	HEAT SHRINK MARKER, 0.25"OD X 1.0"W, YEL	1 RL		1	5		RL	349.07	313.50	
LHS25Y4	HEAT SHRINK MARKER, 0.25"OD X 0.5"W, YEL	1 RL		1	5		RL	349.07	313.50	
LHS50W1	HEAT SHRINK MARKER, 0.50"OD X 2.0"W, WHT	1 RL		1	5		RL	551.23	495.05	
LHS50W2	HEAT SHRINK MARKER, 0.50"OD X 1.0"W, WHT	1 RL		1	5		RL	578.78	519.80	
LHS50Y1	HEAT SHRINK MARKER, 0.50"OD X 2.0"W, YEL	1 RL		1	5		RL	551.23	495.05	
LHS50Y2	HEAT SHRINK MARKER, 0.50"OD X 1.0"W, YEL	1 RL		1	5		RL	578.78	519.80	
LHS100W1	HEAT SHRINK MARKER, 1.0"OD X 2.0"W, WHT	1 RL		1	5		RL	689.01	618.79	
LHS100W2	HEAT SHRINK MARKER, 1.0"OD X 1.0"W, WHT	1 RL		1	5		RL	723.49	649.76	
LHS100Y1	HEAT SHRINK MARKER, 1.0"OD X 2.0"W, YEL	1 RL		1	5		RL	689.01	618.79	
LHS100Y2	HEAT SHRINK MARKER, 1.0"OD X 1.0"W, YEL	1 RL		1	5		RL	723.49	649.76	
LHSW-1	LS3E HT SHRINK, .13"OD X .5"W, WH 200/RL	1 RL	10	1			RL	31.17		
LHSW-2	LS3E HT SHRINK, .13"OD X 1"W, WH 100/RL	1 RL	10	1			RL	33.29		
LHSW-3	LS3E HT SHRINK, .25"OD X .5"W, WH 200/RL	1 RL	10	1			RL	42.92		
LHSW-4	LS3E HT SHRINK, .25"OD X 1"W, WH 100/RL	1 RL	10	1			RL	47.22		
LHSW-5	LS3E HT SHRINK, .50"OD X 1"W, WH 100/RL	1 RL	10	1			RL	76.98		
LHSW-6	LS3E HT SHRINK, .19"OD X .5"W, WH 200/RL	1 RL	10	1			RL	34.94		
LHSW-7	LS3E HT SHRINK, .19"OD X 1"W, WH 100/RL	1 RL	10	1			RL	38.42		
LHSY-1	LS3E HT SHRINK, .13"OD X .5"W, YL 200/RL	1 RL	10	1			RL	31.17		
LHSY-2	LS3E HT SHRINK, .13"OD X 1"W, YL 100/RL	1 RL	10	1			RL	33.29		
LHSY-3	LS3E HT SHRINK, .25"OD X .5"W, YL 200/RL	1 RL	10	1			RL	42.92		
LHSY-4	LS3E HT SHRINK, .25"OD X 1"W, YL 100/RL	1 RL	10	1			RL	47.22		
LHSY-5	LS3E HT SHRINK, .50"OD X 1"W, YL 100/RL	1 RL	10	1			RL	76.98		
LHSY-6	LS3E HT SHRINK, .19"OD X .5"W, YL 200/RL	1 RL	10	1			RL	34.94		
LHSY-7	LS3E HT SHRINK, .19"OD X 1"W, YL 100/RL	1 RL	10	1			RL	38.42		
LJL-MJCL-1	1.25" X .15" LASER/INKJET	1000 PC	6000	1000	5000	10000	M	52.18	42.29	37.49
LJL-MJWH-1	1.25" X .15" LASER/INKJET	1000 PC	6000	1000	5000	10000	M	52.18	42.29	37.49
LJSL1-Y3-5	LSR IJ SELF-LAM, 0.50" X 0.75", VINYL, WHT	5000 PC	30000	5000	30000	50000	M	39.86	32.30	28.64
LJSL2-Y3-5	LSR IJ SELF-LAM, 0.50" X 1.50", VINYL, WHT	5000 PC	25000	5000	30000	50000	M	61.00	49.43	43.83
LJSL3-Y3-2.5	LSR IJ SELF-LAM, 1.00" X 0.75", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	54.20	43.92	38.94
LJSL3-Y3-5	LSR IJ SELF-LAM, 1.00" X 0.75", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	40.58	32.88	29.15
LJSL4-Y3-2.5	LSR IJ SELF-LAM, 1.00" X 1.00", VINYL, WHT	2500 PC	15000	2500	30000	50000	M	70.99	57.53	51.00
LJSL5-Y3-1	LSR IJ SELF-LAM, 1.00" X 1.33", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	102.21	82.82	73.43
LJSL5-Y3-2.5	LSR IJ SELF-LAM, 1.00" X 1.33", VINYL, WHT	2500 PC	15000	2500	30000	50000	M	82.96	67.23	59.60
LJSL6-Y3-1	LSR IJ SELF-LAM, 1.00" X 3.17", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	181.99	147.47	130.74
LJSL7-Y3-1	LSR IJ SELF-LAM, 2.00" X 1.50", VINYL, WHT	1000 PC	10000	1000	5000	10000	M	203.01	164.50	145.84
LJSL8-Y3-1	LSR IJ SELF-LAM, 2.00" X 3.17", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	406.05	329.04	291.70
LJSL9-Y3-2.5	LSR IJ SELF-LAM, 0.70" X 1.33", VINYL, WHT	2500 PC	15000	2500	30000	50000	M	63.53	51.48	45.64
LJSL10-Y3-1	LSR IJ SELF-LAM, 0.90" X 2.17", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	119.45	96.80	85.81
LJSL11-Y3-1	LSR IJ SELF-LAM, 1.00" X 2.67", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	134.05	108.63	96.30
LJSL12-Y3-1	LSR IJ SELF-LAM, 1.20" X 2.67", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	198.93	161.21	142.91
LL4252-100G	LSR LABEL, 4.25" X 2.00", PAPER, WHT	1 PK		1	4	25	PK	67.72	54.88	48.65
LL25615-100G	LSR LABEL, 2.83" X 1.50", PAPER, WHT	1 PK		1	4	25	PK	67.72	54.88	48.65
LL256138-100	LSR LABEL, 2.83" X 1.38", PAPER, WHT	1 PK		1	4	25	PK	67.72	54.88	48.65
LL425275-100	LSR LABEL, 4.25" X 2.00", PAPER, WHT	1 PK		1	4	25	PK	63.13	51.15	45.35
LS3-AC	LS3 BATTERY CHARGER	1 PC		1			PC	22.88		

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LS3E
Printer

LS4H
Printer

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LS3-BS	LS3E PRINTER BELT HOLSTER	1 PC		1			PC	$ 60.99	$	$
LS3-CASE	LS3E PLASTIC CARRYING CASE	1 PC		1			PC	58.65		
LS3-MAN	LS3 OPERATOR'S MANUAL, ENG	1 PC		1			PC	18.13		
LS3-RIB	LS3E RIBBON	1 PC		1			PC	16.78		
LS3E	HANDHELD DOT-MATRIX PRINTER, 120V, ENG	1 PC		1			PC	456.46		
LS3E-AA	HANDHELD DOT-MATRIX PRINTER, AUS. 240V, ENG	1 KT	10	1			KT	530.67		
LS3E-BP	LS3E BATTERY PACK	1 PC		1			PC	113.01		
LS3E-CA	HANDHELD DOT-MATRIX PRINTER, 240V, CHINESE	1 PC	10	1			PC	530.67		
LS3E-CP	LS3E CHARGING PACK	1 PC		1			PC	53.37		
LS3E-EE	HANDHELD DOT-MATRIX PRINTER, EURO 230V, SPA	1 PC	10	1			PC	530.67		
LS3E-ES	HANDHELD DOT-MATRIX PRINTER, 120V, ESP	1 KT	10	1			KT	530.67		
LS3E-JS	HANDHELD DOT-MATRIX PRINTER, 120V, JAPANESE	1 KT	10	1			KT	530.67		
LS3E-KIT	LS3E PRINTER, AC ADAPTER AND CASE	1 KT		1			KT	530.67		
LS3E-MAN-A	LS3E OPERATOR'S MANUAL, ENG	1 KT		1			KT	15.26		
LS3E-MAN-C	LS3E OPERATOR'S MANUAL, CHINESE	1 KT		1			KT	15.26		
LS3E-MAN-D	LS3E OPERATOR'S MANUAL, GERMAN	1 KT		1			KT	15.26		
LS3E-MAN-E	LS3E OPERATOR'S MANUAL, ESP	1 KT		1			KT	15.26		
LS3E-MAN-F	LS3E OPERATOR'S MANUAL, FRENCH	1 KT		1			KT	15.26		
LS3E-MAN-I	LS3E OPERATOR'S MANUAL, ITALIAN	1 KT		1			KT	15.26		
LS3E-MAN-J	LS3E OPERATOR'S MANUAL, JAPANESE	1 KT		1			KT	15.26		
LS3E-MAN-N	LS3E OPERATOR'S MANUAL, DUTCH	1 KT		1			KT	15.26		
LS3E-MAN-P	LS3E OPERATOR'S MANUAL, PRT	1 KT		1			KT	15.26		
LS3E-PE	HANDHELD DOT-MATRIX PRINTER, EURO 230V, POR	1 PC	10	1			PC	530.67		
LS3E-PS	HANDHELD DOT-MATRIX PRINTER, 120V, PRT	1 KT	10	1			KT	530.67		
LS3EA	LS3E UNIVERSAL AC ADAPTER	1 PC		1			PC	64.04		
LS3EACA	LS3E AC ADAPTER AND CHARGING PACK, AUS 240V	1 KT		1			KT	140.29		
LS3EACE	LS3E AC ADAPTER / CHARGING PACK, EURO 230V	1 KT		1			KT	140.29		
LS3EACS	LS3E AC ADAPTER AND CHARGING PACK, 120V	1 KT		1			KT	140.29		
LS3EACU	LS3E AC ADAPTER AND CHARGING PACK, U.K. 240V	1 KT		1			KT	140.29		
LS3EAK-A	LS3E AC ADAPTER, AUSTRALIAN 240V	1 KT		1			KT	86.92		
LS3EAK-E	LS3E AC ADAPTER, EURO 230V	1 KT		1			KT	86.92		
LS3EAK-S	LS3E AC ADAPTER, 120V	1 KT		1			KT	86.92		
LS3EAK-U	LS3E AC ADAPTER, U.K. 240V	1 KT		1			KT	86.92		
LS3EAP	LS3E AUTO PLUG	1 PC		1			PC	22.88		
LS3EC	LS3E REPLACEMENT 230V/240V BATT CHARGER	1 PC		1			PC	64.04		
LS3EC-S	LS3E BATTERY CHARGER, 120V	1 PC		1			PC	64.04		
LS3ECAP	LS3E AUTO PLUG AND CHARGING PACK	1 KT		1			KT	76.25		
LS3P	LS3E/LS3 CONVERSION PLUG	1 PC		1			PC	7.62		
LS4-30	LS4M STANDARD TAPE, 0.5" X 50', BLK/CLR	1 PC	10	1			PC	54.73		
LS4-30I	LS4M INDUSTR TAPE, 0.5" X 50', BLK/CLR	1 PC	10	1			PC	67.11		
LS4-33	LS4M STANDARD TAPE, 0.5" X 50', BLK/WHT	1 PC	10	1			PC	54.73		
LS4-33I	LS4M INDUSTR TAPE, 0.5" X 50', BLK/WHT	1 PC	10	1			PC	67.11		
LS4-35	LS4M STANDARD TAPE, 0.5" X 50', RED/WHT	1 PC	10	1			PC	54.73		
LS4-38	LS4M STANDARD TAPE, 0.5" X 50', BLK/YEL	1 PC	10	1			PC	54.73		
LS4-38I	LS4M INDUSTR TAPE, 0.5" X 50', BLK/YEL	1 PC	10	1			PC	67.11		
LS4-44	LS4M STANDARD TAPE, 0.5" X 50', WHT/BLK	1 PC	10	1			PC	54.73		
LS4-45I	LS4M INDUSTR TAPE, 0.5" X 50', BLK/SIL	1 PC	10	1			PC	67.11		
LS4-50	LS4M STANDARD TAPE, 0.5" X 50', BLK/ORN	1 PC	10	1			PC	54.73		
LS4-60	LS4H/LS4M AC POWER ADAPTER	1 PC	5	1			PC	89.89		
LS4H-1	LS4H HEAT SHRINK, 0.13"OD X 100" BLK/WHT	1 PC	10	1			PC	67.14		
LS4H-2	LS4H HEAT SHRINK, 0.19"OD X 100" BLK/WHT	1 PC	10	1			PC	67.14		
LS4H-3	LS4H HEAT SHRINK, 0.25"OD X 100" BLK/WHT	1 PC	10	1			PC	67.14		
LS4H-4	LS4H HEAT SHRINK, 0.13"OD X 100" BLK/YEL	1 PC	10	1			PC	67.14		
LS4H-5	LS4H HEAT SHRINK, 0.19"OD X 100" BLK/YEL	1 PC	10	1			PC	67.14		
LS4H-6	LS4H HEAT SHRINK, 0.25"OD X 100" BLK/YEL	1 PC	10	1			PC	67.14		

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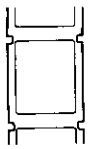
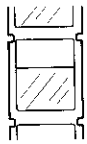


LW
LS3E Cloth Wire Markers



LWS
LS3E Self-Lam Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LS5-3	HAND STRAP FOR LS5 PRINTER	1 PC	10	1			PC	$ 13.07	$	$
LS5-4	LS5 OPERATOR'S MANUAL	1 PC	10	1			PC	8.74		
LS5-10	1" X 4 SELF-LAM VINYL	1 PC	10	1			PC	38.58		
LS5-11	1" X .75 SELF-LAM VINYL	1 PC	10	1			PC	38.58		
LS5-13	1" X 1.25 SELF-LAM VINYL	1 PC	10	1			PC	38.58		
LS5-15	1" X 2.5 SELF-LAM VINYL	1 PC	10	1			PC	38.58		
LS5-17	0.5" X 1.0 DIE CUT POLYESTER	1 PC	10	1			PC	83.19		
LS5-30	1" BLK ON CLR INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-33	1" BLK ON WHITE INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-34	1" BLUE ON WHITE INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-35	1" RED ON WHITE INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-37	1" BLK ON RED INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-38	1" BLK ON YEL INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-42	1" WHT ON CLR INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-44	1" WHT ON BLK INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-47	1" WHT ON BLU INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-48	1" WHT ON RED INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-49	1" WHT ON GRN INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-50	1" BLK ON ORG INDUST SPLY	1 PC	10	1			PC	83.19		
LS5-60	LS5 AC ADAPTOR	1 PC	7	1			PC	191.87		
LS5-70	.8" BLK ON CLR INDUST. SPLY	1 PC	10	1			PC	73.00		
LS5-73	.8" BLK ON WHT INDUST. SPLY	1 PC	10	1			PC	73.00		
LS5-78	.8" BLK ON YEL INDUST. SPLY	1 PC	10	1			PC	73.00		
LS5-530	0.5" X 40' INDUSTRIAL TAPE	1 PC	10	1			PC	70.07		
LS5-533	0.5" X 40' INDUSTRIAL TAPE	1 PC	10	1			PC	70.07		
LS5-538	0.5" X 40' INDUSTRIAL TAPE	1 PC	10	1			PC	70.07		
LS5-544	0.5" X 40' INDUSTRIAL TAPE	1 PC	10	1			PC	70.07		
LS5-833	8MM BLK ON WHT INDUST. SPLY	1 PC	10	1			PC	66.57		
LS5-HS3	1/4" HEATSHRINK TUBING	1 PC	10	1			PC	68.90		
LS5-HS4	3/8" HEATSHRINK TUBING	1 PC	10	1			PC	68.90		
LS5-HS5	1/2" HEATSHRINK TUBING	1 PC	10	1			PC	68.90		
LS5-HS8	1/4" HEATSHRINK TUBING	1 PC	10	1			PC	68.90		
LS5-HS9	3/8" HEATSHRINK TUBING	1 PC	10	1			PC	68.90		
LS5-HS10	1/2" HEATSHRINK TUBING	1 PC	10	1			PC	68.90		
LS5-KIT	INDUSTRIAL LABELING SYSTEM	1 KT		1			KT	837.90		
LW-1	LS3E WIRE MARKER, 0.50" X 1.25", 250/RL	1 RL	10	1			RL	22.90		
LW-2	LS3E WIRE MARKER, 1.00" X 1.25", 250/RL	1 RL	10	1			RL	27.12		
LW-3	LS3E WIRE MARKER, 0.50" X 1.00", 250/RL	1 RL	10	1			RL	21.08		
LW-4	LS3E WIRE MARKER, 0.50" X 0.75", 250/RL	1 RL	10	1			RL	19.51		
LW-5	LS3E WIRE MARKER, 0.50" X 1.25", 500/RL	1 RL	10	1			RL	32.16		
LW-6	LS3E WIRE MARKER, 0.50" X 0.75", 500/RL	1 RL	10	1			RL	28.29		
LWS-1	LS3E SELF-LAM, 0.50" X 1.25" VIN, 250/RL	1 RL	10	1			RL	18.30		
LWS-2	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	24.53		
LWS-2BR	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-2BU	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-2GR	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-2IG	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-2OR	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-2PR	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-2RD	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-2YL	LS3E SELF-LAM, 1.00" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.43		
LWS-3	LS3E SELF-LAM, 1.50" X 1.25" VIN, 250/RL	1 RL	10	1			RL	29.17		
LWS-4	LS3E SELF-LAM, 0.50" X 1.00" VIN, 250/RL	1 RL	10	1			RL	18.45		
LWS-5	LS3E SELF-LAM, 1.00" X 1.00" VIN, 250/RL	1 RL	10	1			RL	22.68		
LWS-6	LS3E SELF-LAM, 0.50" X 0.75" VIN, 250/RL	1 RL	10	1			RL	15.42		

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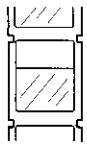
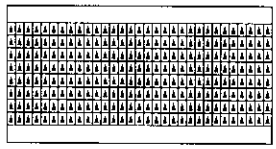
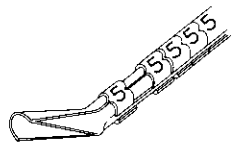


LWS
LS3E Self-Lam Wire Markers



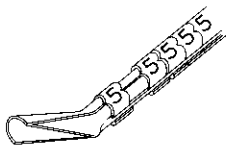
PARW
Inspection Arrows



PCA
Clip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LWS-7	LS3E SELF-LAM, 1.00" X 0.75" VIN, 250/RL	1 RL	10	1			RL	$ 20.54	$	$
LWS-8	LS3E SELF-LAM, 0.50" X 0.75" VIN, 500/RL	1 RL	10	1			RL	26.92		
LWS-9	LS3E SELF-LAM, 0.50" X 1.25" VIN, 500/RL	1 RL	10	1			RL	30.80		
LWS-10	LS3E SELF-LAM, 1.00" X 2.50" VIN, 100/RL	1 RL	10	1			RL	17.53		
LWS-11	LS3E SELF-LAM, 1.50" X 2.50" VIN, 100/RL	1 RL	10	1			RL	21.64		
LWS-11P	LS3E 2-PART LAMINATED LABEL, 100/RL	1 RL	10	1			RL	21.85		
LWS-12	LS3E SELF-LAM, 1.00" X 4.00" VIN, 100/RL	1 RL	10	1			RL	20.65		
LWS-13	LS3E SELF-LAM, 1.50" X 4.00" VIN, 100/RL	1 RL	10	1			RL	28.01		
LWS-14	LS3E SELF-LAM, 1.00" X 6.00" VIN, 50/RL	1 RL	10	1			RL	30.94		
LWS-54	LS3E SELF-LAM, 1.00" X 1.25" TED, 250/RL	1 RL	10	1			RL	31.17		
PARW125-RED	INSPECTION ARROW MKR, 0.13" X 0.19" RED	25 CG		25	100	500	C	177.83	144.10	127.75
PARW125-YEL	INSPECTION ARROW MKR, 0.13" X 0.19" YEL	25 CG	100	25	100	500	C	177.83	144.10	127.75
PAS-LOTO	3D SAFETY SIGN, WHT/RED, 'LOCKOUT SAFET'	1 PC		1	10	50	PC	30.01	27.87	24.36
PCA07-0	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-0-9	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-1	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-2	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-3	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-4	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-5	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-6	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-7	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-8	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-9	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-A	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-A-J	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-B	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-C	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-D	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-E	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-F	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-G	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-H	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-I	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-J	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-K	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-K-T	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-L	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-M	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-MIN	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-N	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-O	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-P	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-PLS	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-Q	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-R	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-S	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-T	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-U	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-U-Z	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-V	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-W	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-X	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-Y	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA07-Z	CLIP-ON WIRE MKRS, .08"-.10", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCA
Clip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCA11-0	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	$ 23.00	$ 20.66	$
PCA11-0-9	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-1	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-2	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-3	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-4	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-5	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-6	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-7	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-8	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-9	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-A	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-A-J	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-B	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-C	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-D	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-E	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-F	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-G	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-H	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-I	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-J	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-K	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-K-T	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-L	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-M	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-MIN	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-N	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-O	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-P	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-PLS	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-Q	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-R	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-S	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-T	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-U	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-U-Z	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-V	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-W	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-X	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-Y	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA11-Z	CLIP-ON WIRE MKRS, .11"-.13", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-0	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-0-9	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-1	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-2	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-3	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-4	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-5	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-6	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-7	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-8	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-9	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-A	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-A-J	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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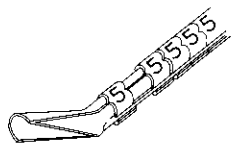
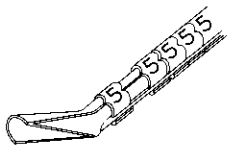


PCA
Clip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCA13-B	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	$ 23.00	$ 20.66	$
PCA13-C	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-D	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-E	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-F	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-G	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-H	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-I	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-J	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-K	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-K-T	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-L	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-M	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-MIN	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-N	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-O	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-P	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-PLS	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-Q	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-R	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-S	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-T	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-U	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-U-Z	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-V	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-W	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-X	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-Y	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA13-Z	CLIP-ON WIRE MKRS, .13"-.15", B/W 300 PC	1 PK	10	1	10		PK	23.00	20.66	
PCA18-0	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-0-9	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-1	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-2	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-3	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-4	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-5	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-6	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-7	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-8	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-9	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-A	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-A-J	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-B	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-C	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-D	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-E	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-F	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-G	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-H	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-I	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-J	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-K	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-K-T	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-L	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-M	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCA
Clip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCA18-MIN	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	$ 26.30	$ 23.62	$
PCA18-N	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-O	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-P	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-PLS	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-Q	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-R	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-S	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-T	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-U	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-U-Z	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-V	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-W	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-X	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-Y	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA18-Z	CLIP-ON WIRE MKRS, .19"-.23", B/W 300 PC	1 PK	10	1	10		PK	26.30	23.62	
PCA23-0	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-0-3	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-1	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-2	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-3	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-4	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-4-7	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-5	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-6	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-7	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-8	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-8-9	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-9	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-A	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-A-D	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-B	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-C	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-D	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-E	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-E-H	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-F	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-G	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-H	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-I	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-I-L	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-J	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-K	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-L	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-M	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-M-P	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-MIN	CLIP-ON WIRE MKRS, .23"-.37", B/W 60 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-N	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-O	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-P	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-PLS	CLIP-ON WIRE MKRS, .23"-.37", B/W 60 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-Q	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-Q-T	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-R	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-S	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	

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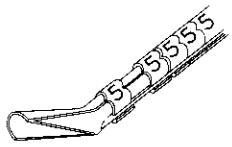
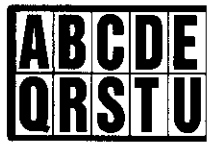
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCA
Clip-On Wire Markers



PCL Series
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCA23-T	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	$ 17.80	$ 15.99	$
PCA23-U	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-U-X	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-V	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-W	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-X	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-Y	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCA23-Y-Z	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	23.75	21.33	
PCA23-Z	CLIP-ON WIRE MKRS, .23"-.37", B/W 80 PC	1 PK	10	1	10		PK	17.80	15.99	
PCL025-0	CLOTH NUMBER, B/Y, 0.25"H LEG, '0'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-0-9	CLOTH NUMBER, B/Y, 0.25"H LEG, '0-9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-1	CLOTH NUMBER, B/Y, 0.25"H LEG, '1'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-2	CLOTH NUMBER, B/Y, 0.25"H LEG, '2'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-3	CLOTH NUMBER, B/Y, 0.25"H LEG, '3'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-4	CLOTH NUMBER, B/Y, 0.25"H LEG, '4'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-5	CLOTH NUMBER, B/Y, 0.25"H LEG, '5'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-6	CLOTH NUMBER, B/Y, 0.25"H LEG, '6'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-7	CLOTH NUMBER, B/Y, 0.25"H LEG, '7'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-8	CLOTH NUMBER, B/Y, 0.25"H LEG, '8'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-9	CLOTH NUMBER, B/Y, 0.25"H LEG, '9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL025-DSH	CLOTH LETTER, B/Y, 0.25"H LEG, '-'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-0	CLOTH NUMBER, B/Y, 0.38"H LEG, '0'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-0-9	CLOTH NUMBER, B/Y, 0.38"H LEG, '0-9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-1	CLOTH NUMBER, B/Y, 0.38"H LEG, '1'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-2	CLOTH NUMBER, B/Y, 0.38"H LEG, '2'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-3	CLOTH NUMBER, B/Y, 0.38"H LEG, '3'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-4	CLOTH NUMBER, B/Y, 0.38"H LEG, '4'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-5	CLOTH NUMBER, B/Y, 0.38"H LEG, '5'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-6	CLOTH NUMBER, B/Y, 0.38"H LEG, '6'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-7	CLOTH NUMBER, B/Y, 0.38"H LEG, '7'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-8	CLOTH NUMBER, B/Y, 0.38"H LEG, '8'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-9	CLOTH NUMBER, B/Y, 0.38"H LEG, '9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL037-DSH	CLOTH LETTER, B/Y, 0.38"H LEG, '-'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-0	CLOTH NUMBER, B/Y, 0.62"H LEG, '0'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-0-9	CLOTH NUMBER, B/Y, 0.62"H LEG, '0-9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-1	CLOTH NUMBER, B/Y, 0.62"H LEG, '1'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-2	CLOTH NUMBER, B/Y, 0.62"H LEG, '2'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-3	CLOTH NUMBER, B/Y, 0.62"H LEG, '3'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-4	CLOTH NUMBER, B/Y, 0.62"H LEG, '4'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-5	CLOTH NUMBER, B/Y, 0.62"H LEG, '5'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-6	CLOTH NUMBER, B/Y, 0.62"H LEG, '6'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-7	CLOTH NUMBER, B/Y, 0.62"H LEG, '7'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-8	CLOTH NUMBER, B/Y, 0.62"H LEG, '8'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-9	CLOTH NUMBER, B/Y, 0.62"H LEG, '9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-A	CLOTH NUMBER, B/Y, 0.62"H LEG, 'A'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-A-Z	CLOTH LETTER, B/Y, 0.62"H LEG, 'A-Z'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-B	CLOTH NUMBER, B/Y, 0.62"H LEG, 'B'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-C	CLOTH NUMBER, B/Y, 0.62"H LEG, 'C'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-D	CLOTH NUMBER, B/Y, 0.62"H LEG, 'D'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-DSH	CLOTH LETTER, B/Y, 0.62"H LEG, '-'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-E	CLOTH NUMBER, B/Y, 0.62"H LEG, 'E'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-F	CLOTH NUMBER, B/Y, 0.62"H LEG, 'F'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-G	CLOTH NUMBER, B/Y, 0.62"H LEG, 'G'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-H	CLOTH NUMBER, B/Y, 0.62"H LEG, 'H'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-I	CLOTH NUMBER, B/Y, 0.62"H LEG, 'I'	25 CG	100	1	25	100	C	167.90	116.47	100.59

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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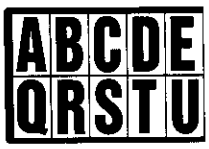
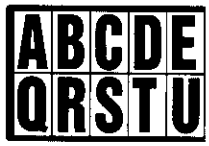
All prices subject to change without notice.



PCL Series
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCL062-J	CLOTH NUMBER, B/Y, 0.62"H LEG, 'J'	25 CG	100	1	25	100	C	$ 167.90	$ 116.47	$ 100.59
PCL062-K	CLOTH NUMBER, B/Y, 0.62"H LEG, 'K'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-L	CLOTH NUMBER, B/Y, 0.62"H LEG, 'L'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-M	CLOTH NUMBER, B/Y, 0.62"H LEG, 'M'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-N	CLOTH NUMBER, B/Y, 0.62"H LEG, 'N'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-O	CLOTH NUMBER, B/Y, 0.62"H LEG, 'O'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-P	CLOTH NUMBER, B/Y, 0.62"H LEG, 'P'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-Q	CLOTH NUMBER, B/Y, 0.62"H LEG, 'Q'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-R	CLOTH NUMBER, B/Y, 0.62"H LEG, 'R'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-S	CLOTH NUMBER, B/Y, 0.62"H LEG, 'S'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-T	CLOTH NUMBER, B/Y, 0.62"H LEG, 'T'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-U	CLOTH NUMBER, B/Y, 0.62"H LEG, 'U'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-V	CLOTH NUMBER, B/Y, 0.62"H LEG, 'V'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-W	CLOTH NUMBER, B/Y, 0.62"H LEG, 'W'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-X	CLOTH NUMBER, B/Y, 0.62"H LEG, 'X'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-Y	CLOTH NUMBER, B/Y, 0.62"H LEG, 'Y'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL062-Z	CLOTH NUMBER, B/Y, 0.62"H LEG, 'Z'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-0	CLOTH NUMBER, B/Y, 1.00"H LEG, '0'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-0-9	CLOTH NUMBER, B/Y, 1.00"H LEG, '0-9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-1	CLOTH NUMBER, B/Y, 1.00"H LEG, '1'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-2	CLOTH NUMBER, B/Y, 1.00"H LEG, '2'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-3	CLOTH NUMBER, B/Y, 1.00"H LEG, '3'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-4	CLOTH NUMBER, B/Y, 1.00"H LEG, '4'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-5	CLOTH NUMBER, B/Y, 1.00"H LEG, '5'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-6	CLOTH NUMBER, B/Y, 1.00"H LEG, '6'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-7	CLOTH NUMBER, B/Y, 1.00"H LEG, '7'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-8	CLOTH NUMBER, B/Y, 1.00"H LEG, '8'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-9	CLOTH NUMBER, B/Y, 1.00"H LEG, '9'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-A	CLOTH NUMBER, B/Y, 1.00"H LEG, 'A'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-A-J	CLOTH LETTER, B/Y, 1.00"H LEG, 'A-J'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-B	CLOTH NUMBER, B/Y, 1.00"H LEG, 'B'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-C	CLOTH NUMBER, B/Y, 1.00"H LEG, 'C'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-D	CLOTH NUMBER, B/Y, 1.00"H LEG, 'D'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-DSH	CLOTH LETTER, B/Y, 1.00"H LEG, '-'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-E	CLOTH NUMBER, B/Y, 1.00"H LEG, 'E'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-F	CLOTH NUMBER, B/Y, 1.00"H LEG, 'F'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-G	CLOTH NUMBER, B/Y, 1.00"H LEG, 'G'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-H	CLOTH NUMBER, B/Y, 1.00"H LEG, 'H'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-I	CLOTH NUMBER, B/Y, 1.00"H LEG, 'I'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-J	CLOTH NUMBER, B/Y, 1.00"H LEG, 'J'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-K	CLOTH NUMBER, B/Y, 1.00"H LEG, 'K'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-K-T	CLOTH LETTER, B/Y, 1.00"H LEG, 'K-T'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-L	CLOTH NUMBER, B/Y, 1.00"H LEG, 'L'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-M	CLOTH NUMBER, B/Y, 1.00"H LEG, 'M'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-N	CLOTH NUMBER, B/Y, 1.00"H LEG, 'N'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-O	CLOTH NUMBER, B/Y, 1.00"H LEG, 'O'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-P	CLOTH NUMBER, B/Y, 1.00"H LEG, 'P'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-Q	CLOTH NUMBER, B/Y, 1.00"H LEG, 'Q'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-R	CLOTH NUMBER, B/Y, 1.00"H LEG, 'R'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-S	CLOTH NUMBER, B/Y, 1.00"H LEG, 'S'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-T	CLOTH NUMBER, B/Y, 1.00"H LEG, 'T'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-U	CLOTH NUMBER, B/Y, 1.00"H LEG, 'U'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-U-Z	CLOTH LETTER, B/Y, 1.00"H LEG, 'U-Z'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-V	CLOTH NUMBER, B/Y, 1.00"H LEG, 'V'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-W	CLOTH NUMBER, B/Y, 1.00"H LEG, 'W'	25 CG	100	1	25	100	C	167.90	116.47	100.59

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCL Series
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCL100-X	CLOTH NUMBER, B/Y, 1.00"H LEG, 'X'	25 CG	100	1	25	100	C	$ 167.90	$ 116.47	$ 100.59
PCL100-Y	CLOTH NUMBER, B/Y, 1.00"H LEG, 'Y'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL100-Z	CLOTH NUMBER, B/Y, 1.00"H LEG, 'Z'	25 CG	100	1	25	100	C	167.90	116.47	100.59
PCL200-0	CLOTH NUMBER, B/Y, 2.00"H LEG, '0'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-0-9	CLOTH NUMBER, B/Y, 2.00"H LEG, '0-9'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-1	CLOTH NUMBER, B/Y, 2.00"H LEG, '1'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-2	CLOTH NUMBER, B/Y, 2.00"H LEG, '2'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-3	CLOTH NUMBER, B/Y, 2.00"H LEG, '3'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-4	CLOTH NUMBER, B/Y, 2.00"H LEG, '4'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-5	CLOTH NUMBER, B/Y, 2.00"H LEG, '5'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-6	CLOTH NUMBER, B/Y, 2.00"H LEG, '6'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-7	CLOTH NUMBER, B/Y, 2.00"H LEG, '7'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-8	CLOTH NUMBER, B/Y, 2.00"H LEG, '8'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-9	CLOTH NUMBER, B/Y, 2.00"H LEG, '9'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-A	CLOTH NUMBER, B/Y, 2.00"H LEG, 'A'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-A-J	CLOTH LETTER, B/Y, 2.00"H LEG, 'A-J'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-B	CLOTH NUMBER, B/Y, 2.00"H LEG, 'B'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-C	CLOTH NUMBER, B/Y, 2.00"H LEG, 'C'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-D	CLOTH NUMBER, B/Y, 2.00"H LEG, 'D'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-DSH	CLOTH LETTER, B/Y, 2.00"H LEG, '-'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-E	CLOTH NUMBER, B/Y, 2.00"H LEG, 'E'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-F	CLOTH NUMBER, B/Y, 2.00"H LEG, 'F'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-G	CLOTH NUMBER, B/Y, 2.00"H LEG, 'G'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-H	CLOTH NUMBER, B/Y, 2.00"H LEG, 'H'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-I	CLOTH NUMBER, B/Y, 2.00"H LEG, 'I'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-J	CLOTH NUMBER, B/Y, 2.00"H LEG, 'J'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-K	CLOTH NUMBER, B/Y, 2.00"H LEG, 'K'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-K-T	CLOTH LETTER, B/Y, 2.00"H LEG, 'K-T'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-L	CLOTH NUMBER, B/Y, 2.00"H LEG, 'L'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-M	CLOTH NUMBER, B/Y, 2.00"H LEG, 'L'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-N	CLOTH NUMBER, B/Y, 2.00"H LEG, 'N'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-O	CLOTH NUMBER, B/Y, 2.00"H LEG, 'O'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-P	CLOTH NUMBER, B/Y, 2.00"H LEG, 'P'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-Q	CLOTH NUMBER, B/Y, 2.00"H LEG, 'Q'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-R	CLOTH NUMBER, B/Y, 2.00"H LEG, 'R'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-S	CLOTH NUMBER, B/Y, 2.00"H LEG, 'S'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-T	CLOTH NUMBER, B/Y, 2.00"H LEG, 'T'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-U	CLOTH NUMBER, B/Y, 2.00"H LEG, 'U'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-U-Z	CLOTH LETTER, B/Y, 2.00"H LEG, 'U-Z'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-V	CLOTH LETTER, B/Y, 2.00"H LEG, 'V'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-W	CLOTH LETTER, B/Y, 2.00"H LEG, 'W'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-X	CLOTH LETTER, B/Y, 2.00"H LEG, 'X'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-Y	CLOTH LETTER, B/Y, 2.00"H LEG, 'Y'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL200-Z	CLOTH LETTER, B/Y, 2.00"H LEG, 'Z'	25 CG	100	1	25	100	C	249.02	172.74	149.19
PCL300-0	CLOTH LETTER, B/Y, 3.00"H LEG, '0'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-1	CLOTH LETTER, B/Y, 3.00"H LEG, '1'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-2	CLOTH LETTER, B/Y, 3.00"H LEG, '2'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-3	CLOTH LETTER, B/Y, 3.00"H LEG, '3'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-4	CLOTH LETTER, B/Y, 3.00"H LEG, '4'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-5	CLOTH LETTER, B/Y, 3.00"H LEG, '5'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-6	CLOTH LETTER, B/Y, 3.00"H LEG, '6'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-7	CLOTH LETTER, B/Y, 3.00"H LEG, '7'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-8	CLOTH LETTER, B/Y, 3.00"H LEG, '8'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-9	CLOTH LETTER, B/Y, 3.00"H LEG, '9'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-A	CLOTH LETTER, B/Y, 3.00"H LEG, 'A'	25 CG	100	1	25	100	C	387.30	268.67	232.03

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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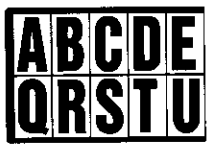
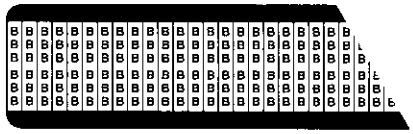


PCL Series
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCL300-B	CLOTH LETTER, B/Y, 3.00"H LEG, 'B'	25 CG	100	1	25	100	C	$ 387.30	$ 268.67	$ 232.03
PCL300-C	CLOTH LETTER, B/Y, 3.00"H LEG, 'C'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-D	CLOTH LETTER, B/Y, 3.00"H LEG, 'D'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-DSH	CLOTH LETTER, B/Y, 3.00"H LEG, '-'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-E	CLOTH LETTER, B/Y, 3.00"H LEG, 'E'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-F	CLOTH LETTER, B/Y, 3.00"H LEG, 'F'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-G	CLOTH LETTER, B/Y, 3.00"H LEG, 'G'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-H	CLOTH LETTER, B/Y, 3.00"H LEG, 'H'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-I	CLOTH LETTER, B/Y, 3.00"H LEG, 'I'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-J	CLOTH LETTER, B/Y, 3.00"H LEG, 'J'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-K	CLOTH LETTER, B/Y, 3.00"H LEG, 'K'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-L	CLOTH LETTER, B/Y, 3.00"H LEG, 'L'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-M	CLOTH LETTER, B/Y, 3.00"H LEG, 'M'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-N	CLOTH LETTER, B/Y, 3.00"H LEG, 'N'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-O	CLOTH LETTER, B/Y, 3.00"H LEG, 'O'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-P	CLOTH LETTER, B/Y, 3.00"H LEG, 'P'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-Q	CLOTH LETTER, B/Y, 3.00"H LEG, 'Q'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-R	CLOTH LETTER, B/Y, 3.00"H LEG, 'R'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-S	CLOTH LETTER, B/Y, 3.00"H LEG, 'S'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-T	CLOTH LETTER, B/Y, 3.00"H LEG, 'T'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-U	CLOTH LETTER, B/Y, 3.00"H LEG, 'U'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-V	CLOTH LETTER, B/Y, 3.00"H LEG, 'V'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-W	CLOTH LETTER, B/Y, 3.00"H LEG, 'W'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-X	CLOTH LETTER, B/Y, 3.00"H LEG, 'X'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-Y	CLOTH LETTER, B/Y, 3.00"H LEG, 'Y'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL300-Z	CLOTH LETTER, B/Y, 3.00"H LEG, '-'	25 CG	100	1	25	100	C	387.30	268.67	232.03
PCL400-0	CLOTH LETTER, B/Y, 4.00"H LEG, '0'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-1	CLOTH LETTER, B/Y, 4.00"H LEG, '1'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-2	CLOTH LETTER, B/Y, 4.00"H LEG, '2'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-3	CLOTH LETTER, B/Y, 4.00"H LEG, '3'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-4	CLOTH LETTER, B/Y, 4.00"H LEG, '4'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-5	CLOTH LETTER, B/Y, 4.00"H LEG, '5'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-6	CLOTH LETTER, B/Y, 4.00"H LEG, '6'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-7	CLOTH LETTER, B/Y, 4.00"H LEG, '7'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-8	CLOTH LETTER, B/Y, 4.00"H LEG, '8'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL400-9	CLOTH LETTER, B/Y, 4.00"H LEG, '9'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-0	CLOTH LETTER, B/Y, 6.00"H LEG, '0'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-1	CLOTH LETTER, B/Y, 6.00"H LEG, '1'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-2	CLOTH LETTER, B/Y, 6.00"H LEG, '2'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-3	CLOTH LETTER, B/Y, 6.00"H LEG, '3'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-4	CLOTH LETTER, B/Y, 6.00"H LEG, '4'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-5	CLOTH LETTER, B/Y, 6.00"H LEG, '5'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-6	CLOTH LETTER, B/Y, 6.00"H LEG, '6'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-7	CLOTH LETTER, B/Y, 6.00"H LEG, '7'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-8	CLOTH LETTER, B/Y, 6.00"H LEG, '8'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCL600-9	CLOTH LETTER, B/Y, 6.00"H LEG, '9'	25 CG	100	1	25	100	C	766.08	531.42	458.96
PCLCP025-0-9	PCL025 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK	50.99	35.37	30.55
PCLCP037-0-9	PCL037 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK	50.99	35.37	30.55
PCLCP062-0-9	PCL062 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK	50.99	35.37	30.55
PCLCP062-A-Z	PCL062 COMBO PKG, 1 CD EA 'A-Z'	1 PK	4	1	10	20	PK	50.99	35.37	30.55
PCLCP100-0-9	PCL100 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK	50.99	35.37	30.55
PCLCP100-A-Z	PCL100 COMBO PKG, 1 CD EA 'A-Z'	1 PK	4	1	10	20	PK	90.62	62.86	54.29
PCLCP200-0-9	PCL200 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK	90.62	62.86	54.29
PCLCP200-A-Z	PCL200 COMBO PKG, 1 CD EA 'A-Z'	1 PK	4	1	10	20	PK	127.96	88.77	76.66
PCLCP300-0-9	PCL300 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK			

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCLCP300-A-Z	PCL300 COMBO PKG, 1 CD EA 'A-Z'	1 PK	4	1	10	20	PK	$ 127.96	$ 88.77	$ 76.66
PCLCP400-0-9	PCL400 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK	192.43	133.49	115.28
PCLCP600-0-9	PCL600 COMBO PKG, 3 EA '1-5' 2 EA '6-0'	1 PK	4	1	10	20	PK	192.43	133.49	115.28
PCM-0	WIRE MARKER CARD, CLOTH, '0'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-00	WIRE MARKER CARD, CLOTH, '00'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-0-9	WIRE MARKER CARD, CLOTH, '0-9'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-00-09	WIRE MARKER CARD, CLOTH, '00-09'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-01	WIRE MARKER CARD, CLOTH, '01'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1	WIRE MARKER CARD, CLOTH, '1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-3	WIRE MARKER CARD, CLOTH, '1-3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-4	WIRE MARKER CARD, CLOTH, '1-4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-5	WIRE MARKER CARD, CLOTH, '1-5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-6	WIRE MARKER CARD, CLOTH, '1-6'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-8	WIRE MARKER CARD, CLOTH, '1-8'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-9	WIRE MARKER CARD, CLOTH, '1-9'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-10	WIRE MARKER CARD, CLOTH, '1-10'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-12	WIRE MARKER CARD, CLOTH, '1-12'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-16	WIRE MARKER CARD, CLOTH, '1-16'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-18	WIRE MARKER CARD, CLOTH, '1-18'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1-33	WIRE MARKER CARD, CLOTH, '1-33'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1L1	WIRE MARKER CARD, CLOTH, '1L1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1L2	WIRE MARKER CARD, CLOTH, '1L2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1L3	WIRE MARKER CARD, CLOTH, '1L3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1T1	WIRE MARKER CARD, CLOTH, '1T1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1T2	WIRE MARKER CARD, CLOTH, '1T2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-1T3	WIRE MARKER CARD, CLOTH, '1T3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-02	WIRE MARKER CARD, CLOTH, '02'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-2	WIRE MARKER CARD, CLOTH, '2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-2L1	WIRE MARKER CARD, CLOTH, '2L1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-2L2	WIRE MARKER CARD, CLOTH, '2L2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-2L3	WIRE MARKER CARD, CLOTH, '2L3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-2T1	WIRE MARKER CARD, CLOTH, '2T1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-2T2	WIRE MARKER CARD, CLOTH, '2T2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-2T3	WIRE MARKER CARD, CLOTH, '2T3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-03	WIRE MARKER CARD, CLOTH, '03'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-3	WIRE MARKER CARD, CLOTH, '3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-3L1	WIRE MARKER CARD, CLOTH, '3L1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-3L2	WIRE MARKER CARD, CLOTH, '3L2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-3L3	WIRE MARKER CARD, CLOTH, '3L3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-3T1	WIRE MARKER CARD, CLOTH, '3T1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-3T2	WIRE MARKER CARD, CLOTH, '3T2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-3T3	WIRE MARKER CARD, CLOTH, '3T3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-04	WIRE MARKER CARD, CLOTH, '04'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-4	WIRE MARKER CARD, CLOTH, '4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-4L1	WIRE MARKER CARD, CLOTH, '4L1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-4L2	WIRE MARKER CARD, CLOTH, '4L2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-4L3	WIRE MARKER CARD, CLOTH, '4L3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-05	WIRE MARKER CARD, CLOTH, '05'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-5	WIRE MARKER CARD, CLOTH, '5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-06	WIRE MARKER CARD, CLOTH, '06'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-6	WIRE MARKER CARD, CLOTH, '6'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-07	WIRE MARKER CARD, CLOTH, '07'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-7	WIRE MARKER CARD, CLOTH, '7'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-08	WIRE MARKER CARD, CLOTH, '08'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-8	WIRE MARKER CARD, CLOTH, '8'	25 CG	100	25	100	500	C	136.71	110.78	98.21

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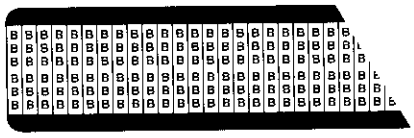

PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-09	WIRE MARKER CARD, CLOTH, '09'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-9	WIRE MARKER CARD, CLOTH, '9'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-10	WIRE MARKER CARD, CLOTH, '10'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-11	WIRE MARKER CARD, CLOTH, '11'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-12	WIRE MARKER CARD, CLOTH, '12'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-13	WIRE MARKER CARD, CLOTH, '13'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-14	WIRE MARKER CARD, CLOTH, '14'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-15	WIRE MARKER CARD, CLOTH, '15'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-16	WIRE MARKER CARD, CLOTH, '16'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-17	WIRE MARKER CARD, CLOTH, '17'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-18	WIRE MARKER CARD, CLOTH, '18'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-19	WIRE MARKER CARD, CLOTH, '19'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-19-36	WIRE MARKER CARD, CLOTH, '19-36'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-20	WIRE MARKER CARD, CLOTH, '20'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-21	WIRE MARKER CARD, CLOTH, '21'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-22	WIRE MARKER CARD, CLOTH, '22'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-23	WIRE MARKER CARD, CLOTH, '23'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-24	WIRE MARKER CARD, CLOTH, '24'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-25	WIRE MARKER CARD, CLOTH, '25'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-26	WIRE MARKER CARD, CLOTH, '26'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-27	WIRE MARKER CARD, CLOTH, '27'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-28	WIRE MARKER CARD, CLOTH, '28'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-29	WIRE MARKER CARD, CLOTH, '29'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-30	WIRE MARKER CARD, CLOTH, '30'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-31	WIRE MARKER CARD, CLOTH, '31'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-32	WIRE MARKER CARD, CLOTH, '32'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-33	WIRE MARKER CARD, CLOTH, '33'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-34	WIRE MARKER CARD, CLOTH, '34'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-34-66	WIRE MARKER CARD, CLOTH, '34-66'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-35	WIRE MARKER CARD, CLOTH, '35'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-36	WIRE MARKER CARD, CLOTH, '36'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-37	WIRE MARKER CARD, CLOTH, '37'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-38	WIRE MARKER CARD, CLOTH, '38'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-39	WIRE MARKER CARD, CLOTH, '39'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-40	WIRE MARKER CARD, CLOTH, '40'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-41	WIRE MARKER CARD, CLOTH, '41'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-42	WIRE MARKER CARD, CLOTH, '42'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-43	WIRE MARKER CARD, CLOTH, '43'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-44	WIRE MARKER CARD, CLOTH, '44'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-45	WIRE MARKER CARD, CLOTH, '45'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-46	WIRE MARKER CARD, CLOTH, '46'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-47	WIRE MARKER CARD, CLOTH, '47'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-48	WIRE MARKER CARD, CLOTH, '48'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-49	WIRE MARKER CARD, CLOTH, '49'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-50	WIRE MARKER CARD, CLOTH, '50'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-51	WIRE MARKER CARD, CLOTH, '51'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-52	WIRE MARKER CARD, CLOTH, '52'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-53	WIRE MARKER CARD, CLOTH, '53'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-54	WIRE MARKER CARD, CLOTH, '54'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-55	WIRE MARKER CARD, CLOTH, '55'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-56	WIRE MARKER CARD, CLOTH, '56'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-57	WIRE MARKER CARD, CLOTH, '57'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-58	WIRE MARKER CARD, CLOTH, '58'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-59	WIRE MARKER CARD, CLOTH, '59'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-60	WIRE MARKER CARD, CLOTH, '60'	25 CG	100	25	100	500	C	136.71	110.78	98.21

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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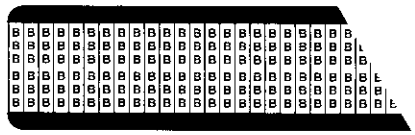
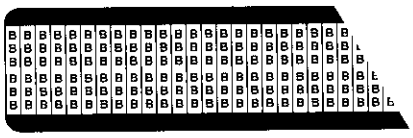


PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-61	WIRE MARKER CARD, CLOTH, '61'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-62	WIRE MARKER CARD, CLOTH, '62'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-63	WIRE MARKER CARD, CLOTH, '63'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-64	WIRE MARKER CARD, CLOTH, '64'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-65	WIRE MARKER CARD, CLOTH, '65'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-66	WIRE MARKER CARD, CLOTH, '66'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-67	WIRE MARKER CARD, CLOTH, '67'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-67-99	WIRE MARKER CARD, CLOTH, '67-99'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-68	WIRE MARKER CARD, CLOTH, '68'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-69	WIRE MARKER CARD, CLOTH, '69'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-70	WIRE MARKER CARD, CLOTH, '70'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-71	WIRE MARKER CARD, CLOTH, '71'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-72	WIRE MARKER CARD, CLOTH, '72'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-73	WIRE MARKER CARD, CLOTH, '73'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-74	WIRE MARKER CARD, CLOTH, '74'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-75	WIRE MARKER CARD, CLOTH, '75'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-76	WIRE MARKER CARD, CLOTH, '76'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-77	WIRE MARKER CARD, CLOTH, '77'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-78	WIRE MARKER CARD, CLOTH, '78'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-79	WIRE MARKER CARD, CLOTH, '79'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-80	WIRE MARKER CARD, CLOTH, '80'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-81	WIRE MARKER CARD, CLOTH, '81'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-82	WIRE MARKER CARD, CLOTH, '82'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-83	WIRE MARKER CARD, CLOTH, '83'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-84	WIRE MARKER CARD, CLOTH, '84'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-85	WIRE MARKER CARD, CLOTH, '85'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-86	WIRE MARKER CARD, CLOTH, '86'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-87	WIRE MARKER CARD, CLOTH, '87'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-88	WIRE MARKER CARD, CLOTH, '88'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-89	WIRE MARKER CARD, CLOTH, '89'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-90	WIRE MARKER CARD, CLOTH, '90'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-91	WIRE MARKER CARD, CLOTH, '91'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-92	WIRE MARKER CARD, CLOTH, '92'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-93	WIRE MARKER CARD, CLOTH, '93'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-94	WIRE MARKER CARD, CLOTH, '94'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-95	WIRE MARKER CARD, CLOTH, '95'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-96	WIRE MARKER CARD, CLOTH, '96'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-97	WIRE MARKER CARD, CLOTH, '97'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-98	WIRE MARKER CARD, CLOTH, '98'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-99	WIRE MARKER CARD, CLOTH, '99'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-100	WIRE MARKER CARD, CLOTH, '100'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-100-124	WIRE MARKER CARD, CLOTH, '100-124'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-101	WIRE MARKER CARD, CLOTH, '101'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-102	WIRE MARKER CARD, CLOTH, '102'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-103	WIRE MARKER CARD, CLOTH, '103'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-104	WIRE MARKER CARD, CLOTH, '104'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-105	WIRE MARKER CARD, CLOTH, '105'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-106	WIRE MARKER CARD, CLOTH, '106'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-107	WIRE MARKER CARD, CLOTH, '107'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-108	WIRE MARKER CARD, CLOTH, '108'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-109	WIRE MARKER CARD, CLOTH, '109'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-110	WIRE MARKER CARD, CLOTH, '110'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-111	WIRE MARKER CARD, CLOTH, '111'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-112	WIRE MARKER CARD, CLOTH, '112'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-113	WIRE MARKER CARD, CLOTH, '113'	25 CG	100	25	100	500	C	136.71	110.78	98.21

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-114	WIRE MARKER CARD, CLOTH, '114'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-115	WIRE MARKER CARD, CLOTH, '115'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-116	WIRE MARKER CARD, CLOTH, '116'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-117	WIRE MARKER CARD, CLOTH, '117'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-118	WIRE MARKER CARD, CLOTH, '118'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-119	WIRE MARKER CARD, CLOTH, '119'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-120	WIRE MARKER CARD, CLOTH, '120'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-121	WIRE MARKER CARD, CLOTH, '121'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-122	WIRE MARKER CARD, CLOTH, '122'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-123	WIRE MARKER CARD, CLOTH, '123'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-124	WIRE MARKER CARD, CLOTH, '124'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-125	WIRE MARKER CARD, CLOTH, '125'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-125-149	WIRE MARKER CARD, CLOTH, '125-149'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-126	WIRE MARKER CARD, CLOTH, '126'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-127	WIRE MARKER CARD, CLOTH, '127'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-128	WIRE MARKER CARD, CLOTH, '128'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-129	WIRE MARKER CARD, CLOTH, '129'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-130	WIRE MARKER CARD, CLOTH, '130'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-131	WIRE MARKER CARD, CLOTH, '131'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-132	WIRE MARKER CARD, CLOTH, '132'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-133	WIRE MARKER CARD, CLOTH, '133'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-134	WIRE MARKER CARD, CLOTH, '133'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-135	WIRE MARKER CARD, CLOTH, '135'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-136	WIRE MARKER CARD, CLOTH, '136'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-137	WIRE MARKER CARD, CLOTH, '137'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-138	WIRE MARKER CARD, CLOTH, '138'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-139	WIRE MARKER CARD, CLOTH, '139'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-140	WIRE MARKER CARD, CLOTH, '14'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-141	WIRE MARKER CARD, CLOTH, '141'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-142	WIRE MARKER CARD, CLOTH, '142'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-143	WIRE MARKER CARD, CLOTH, '143'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-144	WIRE MARKER CARD, CLOTH, '144'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-145	WIRE MARKER CARD, CLOTH, '145'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-146	WIRE MARKER CARD, CLOTH, '146'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-147	WIRE MARKER CARD, CLOTH, '147'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-148	WIRE MARKER CARD, CLOTH, '148'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-149	WIRE MARKER CARD, CLOTH, '149'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-150	WIRE MARKER CARD, CLOTH, '150'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-150-174	WIRE MARKER CARD, CLOTH, '150-174'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-151	WIRE MARKER CARD, CLOTH, '151'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-152	WIRE MARKER CARD, CLOTH, '152'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-153	WIRE MARKER CARD, CLOTH, '153'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-154	WIRE MARKER CARD, CLOTH, '154'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-155	WIRE MARKER CARD, CLOTH, '155'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-156	WIRE MARKER CARD, CLOTH, '156'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-157	WIRE MARKER CARD, CLOTH, '157'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-158	WIRE MARKER CARD, CLOTH, '158'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-159	WIRE MARKER CARD, CLOTH, '159'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-160	WIRE MARKER CARD, CLOTH, '160'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-161	WIRE MARKER CARD, CLOTH, '161'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-162	WIRE MARKER CARD, CLOTH, '162'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-163	WIRE MARKER CARD, CLOTH, '163'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-164	WIRE MARKER CARD, CLOTH, '164'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-165	WIRE MARKER CARD, CLOTH, '165'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-166	WIRE MARKER CARD, CLOTH, '166'	25 CG	100	25	100	500	C	136.71	110.78	98.21

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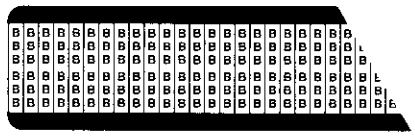
All prices subject to change without notice.



PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-167	WIRE MARKER CARD, CLOTH, '167'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-168	WIRE MARKER CARD, CLOTH, '168'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-169	WIRE MARKER CARD, CLOTH, '169'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-170	WIRE MARKER CARD, CLOTH, '170'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-171	WIRE MARKER CARD, CLOTH, '171'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-172	WIRE MARKER CARD, CLOTH, '171'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-173	WIRE MARKER CARD, CLOTH, '173'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-174	WIRE MARKER CARD, CLOTH, '174'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-175	WIRE MARKER CARD, CLOTH, '175'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-175-199	WIRE MARKER CARD, CLOTH, '175-199'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-176	WIRE MARKER CARD, CLOTH, '176'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-177	WIRE MARKER CARD, CLOTH, '177'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-178	WIRE MARKER CARD, CLOTH, '178'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-179	WIRE MARKER CARD, CLOTH, '179'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-180	WIRE MARKER CARD, CLOTH, '180'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-181	WIRE MARKER CARD, CLOTH, '181'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-182	WIRE MARKER CARD, CLOTH, '182'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-183	WIRE MARKER CARD, CLOTH, '183'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-184	WIRE MARKER CARD, CLOTH, '184'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-185	WIRE MARKER CARD, CLOTH, '185'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-186	WIRE MARKER CARD, CLOTH, '186'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-187	WIRE MARKER CARD, CLOTH, '187'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-188	WIRE MARKER CARD, CLOTH, '188'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-189	WIRE MARKER CARD, CLOTH, '189'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-190	WIRE MARKER CARD, CLOTH, '190'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-191	WIRE MARKER CARD, CLOTH, '191'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-192	WIRE MARKER CARD, CLOTH, '192'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-193	WIRE MARKER CARD, CLOTH, '193'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-194	WIRE MARKER CARD, CLOTH, '194'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-195	WIRE MARKER CARD, CLOTH, '195'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-196	WIRE MARKER CARD, CLOTH, '196'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-197	WIRE MARKER CARD, CLOTH, '197'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-198	WIRE MARKER CARD, CLOTH, '198'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-199	WIRE MARKER CARD, CLOTH, '199'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-200	WIRE MARKER CARD, CLOTH, '200'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-200-224	WIRE MARKER CARD, CLOTH, '200-224'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-201	WIRE MARKER CARD, CLOTH, '201'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-202	WIRE MARKER CARD, CLOTH, '202'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-203	WIRE MARKER CARD, CLOTH, '203'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-204	WIRE MARKER CARD, CLOTH, '204'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-205	WIRE MARKER CARD, CLOTH, '205'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-206	WIRE MARKER CARD, CLOTH, '206'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-207	WIRE MARKER CARD, CLOTH, '207'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-208	WIRE MARKER CARD, CLOTH, '208'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-209	WIRE MARKER CARD, CLOTH, '209'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-210	WIRE MARKER CARD, CLOTH, '210'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-211	WIRE MARKER CARD, CLOTH, '211'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-212	WIRE MARKER CARD, CLOTH, '212'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-213	WIRE MARKER CARD, CLOTH, '213'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-214	WIRE MARKER CARD, CLOTH, '214'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-215	WIRE MARKER CARD, CLOTH, '215'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-216	WIRE MARKER CARD, CLOTH, '216'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-217	WIRE MARKER CARD, CLOTH, '217'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-218	WIRE MARKER CARD, CLOTH, '218'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-219	WIRE MARKER CARD, CLOTH, '219'	25 CG	100	25	100	500	C	136.71	110.78	98.21

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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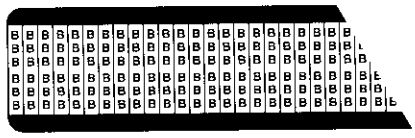
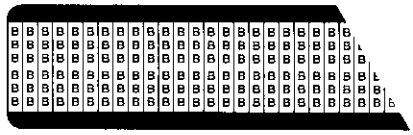


PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-220	WIRE MARKER CARD, CLOTH, '220'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-221	WIRE MARKER CARD, CLOTH, '221'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-222	WIRE MARKER CARD, CLOTH, '222'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-223	WIRE MARKER CARD, CLOTH, '223'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-224	WIRE MARKER CARD, CLOTH, '224'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-225	WIRE MARKER CARD, CLOTH, '225'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-225-249	WIRE MARKER CARD, CLOTH, '225-249'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-226	WIRE MARKER CARD, CLOTH, '226'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-227	WIRE MARKER CARD, CLOTH, '227'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-228	WIRE MARKER CARD, CLOTH, '228'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-229	WIRE MARKER CARD, CLOTH, '229'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-230	WIRE MARKER CARD, CLOTH, '230'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-231	WIRE MARKER CARD, CLOTH, '231'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-232	WIRE MARKER CARD, CLOTH, '232'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-233	WIRE MARKER CARD, CLOTH, '233'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-234	WIRE MARKER CARD, CLOTH, '234'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-235	WIRE MARKER CARD, CLOTH, '235'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-236	WIRE MARKER CARD, CLOTH, '236'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-237	WIRE MARKER CARD, CLOTH, '237'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-238	WIRE MARKER CARD, CLOTH, '238'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-239	WIRE MARKER CARD, CLOTH, '239'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-240	WIRE MARKER CARD, CLOTH, '240'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-241	WIRE MARKER CARD, CLOTH, '241'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-242	WIRE MARKER CARD, CLOTH, '242'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-243	WIRE MARKER CARD, CLOTH, '243'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-244	WIRE MARKER CARD, CLOTH, '244'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-245	WIRE MARKER CARD, CLOTH, '245'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-246	WIRE MARKER CARD, CLOTH, '246'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-247	WIRE MARKER CARD, CLOTH, '247'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-248	WIRE MARKER CARD, CLOTH, '248'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-249	WIRE MARKER CARD, CLOTH, '249'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-250	WIRE MARKER CARD, CLOTH, '250'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-250-274	WIRE MARKER CARD, CLOTH, '250-274'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-251	WIRE MARKER CARD, CLOTH, '251'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-252	WIRE MARKER CARD, CLOTH, '252'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-253	WIRE MARKER CARD, CLOTH, '253'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-254	WIRE MARKER CARD, CLOTH, '254'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-255	WIRE MARKER CARD, CLOTH, '255'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-256	WIRE MARKER CARD, CLOTH, '256'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-257	WIRE MARKER CARD, CLOTH, '257'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-258	WIRE MARKER CARD, CLOTH, '258'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-259	WIRE MARKER CARD, CLOTH, '259'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-260	WIRE MARKER CARD, CLOTH, '260'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-261	WIRE MARKER CARD, CLOTH, '261'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-262	WIRE MARKER CARD, CLOTH, '262'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-263	WIRE MARKER CARD, CLOTH, '263'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-264	WIRE MARKER CARD, CLOTH, '264'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-265	WIRE MARKER CARD, CLOTH, '265'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-266	WIRE MARKER CARD, CLOTH, '266'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-267	WIRE MARKER CARD, CLOTH, '267'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-268	WIRE MARKER CARD, CLOTH, '268'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-269	WIRE MARKER CARD, CLOTH, '269'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-270	WIRE MARKER CARD, CLOTH, '270'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-271	WIRE MARKER CARD, CLOTH, '271'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-272	WIRE MARKER CARD, CLOTH, '272'	25 CG	100	25	100	500	C	136.71	110.78	98.21

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-273	WIRE MARKER CARD, CLOTH, '273'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-274	WIRE MARKER CARD, CLOTH, '274'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-275	WIRE MARKER CARD, CLOTH, '275'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-275-299	WIRE MARKER CARD, CLOTH, '275-299'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-276	WIRE MARKER CARD, CLOTH, '276'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-277	WIRE MARKER CARD, CLOTH, '277'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-278	WIRE MARKER CARD, CLOTH, '278'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-279	WIRE MARKER CARD, CLOTH, '279'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-280	WIRE MARKER CARD, CLOTH, '280'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-281	WIRE MARKER CARD, CLOTH, '281'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-282	WIRE MARKER CARD, CLOTH, '282'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-283	WIRE MARKER CARD, CLOTH, '283'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-284	WIRE MARKER CARD, CLOTH, '284'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-285	WIRE MARKER CARD, CLOTH, '285'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-286	WIRE MARKER CARD, CLOTH, '286'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-287	WIRE MARKER CARD, CLOTH, '287'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-288	WIRE MARKER CARD, CLOTH, '288'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-289	WIRE MARKER CARD, CLOTH, '289'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-290	WIRE MARKER CARD, CLOTH, '290'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-291	WIRE MARKER CARD, CLOTH, '291'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-292	WIRE MARKER CARD, CLOTH, '292'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-293	WIRE MARKER CARD, CLOTH, '293'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-294	WIRE MARKER CARD, CLOTH, '294'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-295	WIRE MARKER CARD, CLOTH, '295'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-296	WIRE MARKER CARD, CLOTH, '296'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-297	WIRE MARKER CARD, CLOTH, '297'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-298	WIRE MARKER CARD, CLOTH, '298'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-299	WIRE MARKER CARD, CLOTH, '299'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-300	WIRE MARKER CARD, CLOTH, '300'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-300-324	WIRE MARKER CARD, CLOTH, '300-324'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-301	WIRE MARKER CARD, CLOTH, '301'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-302	WIRE MARKER CARD, CLOTH, '302'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-303	WIRE MARKER CARD, CLOTH, '303'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-304	WIRE MARKER CARD, CLOTH, '304'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-305	WIRE MARKER CARD, CLOTH, '305'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-306	WIRE MARKER CARD, CLOTH, '306'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-307	WIRE MARKER CARD, CLOTH, '307'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-308	WIRE MARKER CARD, CLOTH, '308'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-309	WIRE MARKER CARD, CLOTH, '309'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-310	WIRE MARKER CARD, CLOTH, '310'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-311	WIRE MARKER CARD, CLOTH, '311'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-312	WIRE MARKER CARD, CLOTH, '312'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-313	WIRE MARKER CARD, CLOTH, '313'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-314	WIRE MARKER CARD, CLOTH, '314'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-315	WIRE MARKER CARD, CLOTH, '315'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-316	WIRE MARKER CARD, CLOTH, '316'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-317	WIRE MARKER CARD, CLOTH, '317'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-318	WIRE MARKER CARD, CLOTH, '318'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-319	WIRE MARKER CARD, CLOTH, '319'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-320	WIRE MARKER CARD, CLOTH, '320'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-321	WIRE MARKER CARD, CLOTH, '321'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-322	WIRE MARKER CARD, CLOTH, '322'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-323	WIRE MARKER CARD, CLOTH, '323'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-324	WIRE MARKER CARD, CLOTH, '324'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-325	WIRE MARKER CARD, CLOTH, '325'	25 CG	100	25	100	500	C	136.71	110.78	98.21

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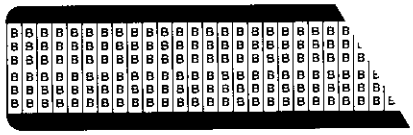
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-325-349	WIRE MARKER CARD, CLOTH, '325-349'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-326	WIRE MARKER CARD, CLOTH, '326'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-327	WIRE MARKER CARD, CLOTH, '327'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-328	WIRE MARKER CARD, CLOTH, '328'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-329	WIRE MARKER CARD, CLOTH, '329'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-330	WIRE MARKER CARD, CLOTH, '330'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-331	WIRE MARKER CARD, CLOTH, '331'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-332	WIRE MARKER CARD, CLOTH, '332'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-333	WIRE MARKER CARD, CLOTH, '333'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-334	WIRE MARKER CARD, CLOTH, '334'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-335	WIRE MARKER CARD, CLOTH, '335'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-336	WIRE MARKER CARD, CLOTH, '336'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-337	WIRE MARKER CARD, CLOTH, '337'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-338	WIRE MARKER CARD, CLOTH, '338'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-339	WIRE MARKER CARD, CLOTH, '339'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-340	WIRE MARKER CARD, CLOTH, '340'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-341	WIRE MARKER CARD, CLOTH, '341'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-342	WIRE MARKER CARD, CLOTH, '342'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-343	WIRE MARKER CARD, CLOTH, '343'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-344	WIRE MARKER CARD, CLOTH, '344'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-345	WIRE MARKER CARD, CLOTH, '345'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-346	WIRE MARKER CARD, CLOTH, '346'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-347	WIRE MARKER CARD, CLOTH, '347'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-348	WIRE MARKER CARD, CLOTH, '348'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-349	WIRE MARKER CARD, CLOTH, '349'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-350	WIRE MARKER CARD, CLOTH, '350'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-350-374	WIRE MARKER CARD, CLOTH, '350-374'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-351	WIRE MARKER CARD, CLOTH, '351'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-352	WIRE MARKER CARD, CLOTH, '352'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-353	WIRE MARKER CARD, CLOTH, '353'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-354	WIRE MARKER CARD, CLOTH, '354'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-355	WIRE MARKER CARD, CLOTH, '355'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-356	WIRE MARKER CARD, CLOTH, '356'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-357	WIRE MARKER CARD, CLOTH, '357'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-358	WIRE MARKER CARD, CLOTH, '358'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-359	WIRE MARKER CARD, CLOTH, '359'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-360	WIRE MARKER CARD, CLOTH, '360'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-361	WIRE MARKER CARD, CLOTH, '361'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-362	WIRE MARKER CARD, CLOTH, '362'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-363	WIRE MARKER CARD, CLOTH, '363'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-364	WIRE MARKER CARD, CLOTH, '364'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-365	WIRE MARKER CARD, CLOTH, '365'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-366	WIRE MARKER CARD, CLOTH, '366'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-367	WIRE MARKER CARD, CLOTH, '367'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-368	WIRE MARKER CARD, CLOTH, '368'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-369	WIRE MARKER CARD, CLOTH, '369'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-370	WIRE MARKER CARD, CLOTH, '370'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-371	WIRE MARKER CARD, CLOTH, '371'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-372	WIRE MARKER CARD, CLOTH, '372'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-373	WIRE MARKER CARD, CLOTH, '373'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-374	WIRE MARKER CARD, CLOTH, '374'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-375	WIRE MARKER CARD, CLOTH, '375'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-375-399	WIRE MARKER CARD, CLOTH, '375-399'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-376	WIRE MARKER CARD, CLOTH, '376'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-377	WIRE MARKER CARD, CLOTH, '377'	25 CG	100	25	100	500	C	136.71	110.78	98.21

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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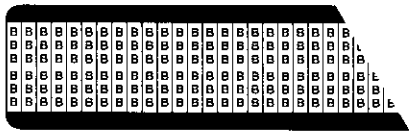

PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-378	WIRE MARKER CARD, CLOTH, '378'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-379	WIRE MARKER CARD, CLOTH, '379'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-380	WIRE MARKER CARD, CLOTH, '380'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-381	WIRE MARKER CARD, CLOTH, '381'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-382	WIRE MARKER CARD, CLOTH, '382'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-383	WIRE MARKER CARD, CLOTH, '383'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-384	WIRE MARKER CARD, CLOTH, '384'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-385	WIRE MARKER CARD, CLOTH, '385'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-386	WIRE MARKER CARD, CLOTH, '386'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-387	WIRE MARKER CARD, CLOTH, '387'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-388	WIRE MARKER CARD, CLOTH, '388'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-389	WIRE MARKER CARD, CLOTH, '389'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-390	WIRE MARKER CARD, CLOTH, '390'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-391	WIRE MARKER CARD, CLOTH, '391'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-392	WIRE MARKER CARD, CLOTH, '392'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-393	WIRE MARKER CARD, CLOTH, '393'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-394	WIRE MARKER CARD, CLOTH, '394'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-395	WIRE MARKER CARD, CLOTH, '395'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-396	WIRE MARKER CARD, CLOTH, '396'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-397	WIRE MARKER CARD, CLOTH, '397'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-398	WIRE MARKER CARD, CLOTH, '398'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-399	WIRE MARKER CARD, CLOTH, '399'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-400	WIRE MARKER CARD, CLOTH, '400'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-400-424	WIRE MARKER CARD, CLOTH, '400-424'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-425-449	WIRE MARKER CARD, CLOTH, '425-449'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-450-474	WIRE MARKER CARD, CLOTH, '450-474'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-475-499	WIRE MARKER CARD, CLOTH, '475-499'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-500-524	WIRE MARKER CARD, CLOTH, '500-524'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-525-549	WIRE MARKER CARD, CLOTH, '525-549'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-550-574	WIRE MARKER CARD, CLOTH, '550-574'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-575-599	WIRE MARKER CARD, CLOTH, '575-599'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-A	WIRE MARKER CARD, CLOTH, 'A'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-A-Z	WIRE MARKER CARD, CLOTH, 'A-Z'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-A-Z-0-9	WIRE MARKER CARD, CLOTH, 'A-Z-0-9'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-A1	WIRE MARKER CARD, CLOTH, 'A1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-A2	WIRE MARKER CARD, CLOTH, 'A2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-A3	WIRE MARKER CARD, CLOTH, 'A3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-A4	WIRE MARKER CARD, CLOTH, 'A4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-AC	WIRE MARKER CARD, CLOTH, 'AC'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-B	WIRE MARKER CARD, CLOTH, 'B'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-B1	WIRE MARKER CARD, CLOTH, 'B1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-B2	WIRE MARKER CARD, CLOTH, 'B2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-B3	WIRE MARKER CARD, CLOTH, 'B3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-B4	WIRE MARKER CARD, CLOTH, 'B4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-B5	WIRE MARKER CARD, CLOTH, 'B5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-BLK	WIRE MARKER CARD, CLOTH, BLACK	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-BRN	WIRE MARKER CARD, CLOTH, BROWN	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-C	WIRE MARKER CARD, CLOTH, 'C'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-C1	WIRE MARKER CARD, CLOTH, 'C1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-C2	WIRE MARKER CARD, CLOTH, 'C2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-C3	WIRE MARKER CARD, CLOTH, 'C3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-C4	WIRE MARKER CARD, CLOTH, 'C4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-COM	WIRE MARKER CARD, CLOTH, 'COM'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-D	WIRE MARKER CARD, CLOTH, 'D'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-DBL	WIRE MARKER CARD, CLOTH, DARK BLUE	25 CG	100	25	100	500	C	136.71	110.78	98.21

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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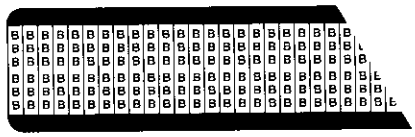
All prices subject to change without notice.



PCM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-DGN	WIRE MARKER CARD, CLOTH, DARK GREEN	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-E	WIRE MARKER CARD, CLOTH, 'E'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-E1	WIRE MARKER CARD, CLOTH, 'E1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-E2	WIRE MARKER CARD, CLOTH, 'E2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-E3	WIRE MARKER CARD, CLOTH, 'E3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-E4	WIRE MARKER CARD, CLOTH, 'E4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-E5	WIRE MARKER CARD, CLOTH, 'E5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-F	WIRE MARKER CARD, CLOTH, 'F'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-F1	WIRE MARKER CARD, CLOTH, 'F1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-F2	WIRE MARKER CARD, CLOTH, 'F2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-F3	WIRE MARKER CARD, CLOTH, 'F3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-F4	WIRE MARKER CARD, CLOTH, 'F4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-F5	WIRE MARKER CARD, CLOTH, 'F5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-G	WIRE MARKER CARD, CLOTH, 'G'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-GND	WIRE MARKER CARD, CLOTH, 'GND'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-GRD	WIRE MARKER CARD, CLOTH, 'GRD'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-GRS	WIRE MARKER CARD, CLOTH, GROUND SYM	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-GRY	WIRE MARKER CARD, CLOTH, GRAY	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-H	WIRE MARKER CARD, CLOTH, 'H'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-I	WIRE MARKER CARD, CLOTH, 'I'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-IGN	WIRE MARKER CARD, CLOTH, 'IGN'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-IN	WIRE MARKER CARD, CLOTH, 'IN'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-J	WIRE MARKER CARD, CLOTH, 'J'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-J1	WIRE MARKER CARD, CLOTH, 'J1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-J2	WIRE MARKER CARD, CLOTH, 'J2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-J3	WIRE MARKER CARD, CLOTH, 'J3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-J4	WIRE MARKER CARD, CLOTH, 'J4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-K	WIRE MARKER CARD, CLOTH, 'K'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-L	WIRE MARKER CARD, CLOTH, 'L'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-L1	WIRE MARKER CARD, CLOTH, 'L1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-L2	WIRE MARKER CARD, CLOTH, 'L2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-L3	WIRE MARKER CARD, CLOTH, 'L3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-L4	WIRE MARKER CARD, CLOTH, 'L4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-L5	WIRE MARKER CARD, CLOTH, 'L5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-LBL	WIRE MARKER CARD, CLOTH, LIGHT BLUE	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-LGN	WIRE MARKER CARD, CLOTH, LIGHT GREEN	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-LIN	WIRE MARKER CARD, CLOTH, 'LINE'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-M	WIRE MARKER CARD, CLOTH, 'M'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-M1	WIRE MARKER CARD, CLOTH, 'M1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-M2	WIRE MARKER CARD, CLOTH, 'M2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-M3	WIRE MARKER CARD, CLOTH, 'M3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-MIN	WIRE MARKER CARD, CLOTH, '-'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-N	WIRE MARKER CARD, CLOTH, 'N'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-NEG	WIRE MARKER CARD, CLOTH, 'NEG'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-NEUT	WIRE MARKER CARD, CLOTH, 'NEUT'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-O	WIRE MARKER CARD, CLOTH, 'O'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-ORN	WIRE MARKER CARD, CLOTH, ORANGE	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-OUT	WIRE MARKER CARD, CLOTH, 'OUT'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-P	WIRE MARKER CARD, CLOTH, 'P'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-P1	WIRE MARKER CARD, CLOTH, 'P1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-P2	WIRE MARKER CARD, CLOTH, 'P2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-P3	WIRE MARKER CARD, CLOTH, 'P3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-P4	WIRE MARKER CARD, CLOTH, 'P4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-PLM	WIRE MARKER CARD, CLOTH, '+-'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-PLS	WIRE MARKER CARD, CLOTH, '+'	25 CG	100	25	100	500	C	136.71	110.78	98.21

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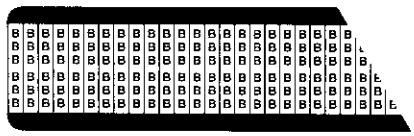
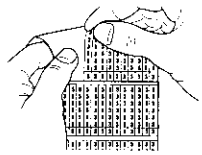


PCM
Wire Marker Cards



PCMB
Wire Marker Books

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCM-PNK	WIRE MARKER CARD, CLOTH, PINK	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCM-POS	WIRE MARKER CARD, CLOTH, 'POS'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-PUR	WIRE MARKER CARD, CLOTH, PURPLE	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-Q	WIRE MARKER CARD, CLOTH, 'Q'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-R	WIRE MARKER CARD, CLOTH, 'R'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-R1	WIRE MARKER CARD, CLOTH, 'R1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-R2	WIRE MARKER CARD, CLOTH, 'R2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-R3	WIRE MARKER CARD, CLOTH, 'R3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-R4	WIRE MARKER CARD, CLOTH, 'R4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-R5	WIRE MARKER CARD, CLOTH, 'R5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-RED	WIRE MARKER CARD, CLOTH, RED	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-S	WIRE MARKER CARD, CLOTH, 'S'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-S1	WIRE MARKER CARD, CLOTH, 'S1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-S2	WIRE MARKER CARD, CLOTH, 'S2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-S3	WIRE MARKER CARD, CLOTH, 'S3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-S4	WIRE MARKER CARD, CLOTH, 'S4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-S5	WIRE MARKER CARD, CLOTH, 'S5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-SPR	WIRE MARKER CARD, CLOTH, 'SPARE'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T	WIRE MARKER CARD, CLOTH, 'T'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T1	WIRE MARKER CARD, CLOTH, 'T1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T2	WIRE MARKER CARD, CLOTH, 'T2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T3	WIRE MARKER CARD, CLOTH, 'T3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T4	WIRE MARKER CARD, CLOTH, 'T4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T5	WIRE MARKER CARD, CLOTH, 'T5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T6	WIRE MARKER CARD, CLOTH, 'T6'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T7	WIRE MARKER CARD, CLOTH, 'T7'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T8	WIRE MARKER CARD, CLOTH, 'T8'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T9	WIRE MARKER CARD, CLOTH, 'T9'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-T10	WIRE MARKER CARD, CLOTH, 'T10'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-TAN	WIRE MARKER CARD, CLOTH, TAN	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-U	WIRE MARKER CARD, CLOTH, 'U'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-V	WIRE MARKER CARD, CLOTH, 'V'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-W	WIRE MARKER CARD, CLOTH, 'W'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-WHT	WIRE MARKER CARD, CLOTH, WHITE	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-X	WIRE MARKER CARD, CLOTH, 'X'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-X1	WIRE MARKER CARD, CLOTH, 'X1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-X2	WIRE MARKER CARD, CLOTH, 'X2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-X3	WIRE MARKER CARD, CLOTH, 'X3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-X4	WIRE MARKER CARD, CLOTH, 'X4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-Y	WIRE MARKER CARD, CLOTH, 'Y'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-YEL	WIRE MARKER CARD, CLOTH, YELLOW	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM-Z	WIRE MARKER CARD, CLOTH, 'Z'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCM18R-C	PTR1 WIRE MKR CARD, 18/CD B/W, 100 CD/RL	100 CG		100			C	121.01		
PCM20R-C	PTR1 WIRE MKR CARD, 20/CD B/W, 100 CD/RL	100 CG		100			C	121.01		
PCM25R-C	PTR1 WIRE MKR CARD, 25/CD B/W, 100 CD/RL	100 CG		100			C	121.01		
PCM36R-C	PTR1 WIRE MKR CARD, 36/CD B/W, 100 CD/RL	100 CG		100			C	121.01		
PCMB-1	WIRE MKR BOOK, '0-9', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-2	WIRE MKR BOOK, 'A-Z 0-15 + - /', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-3	WIRE MKR BOOK, '1-45', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-4	WIRE MKR BOOK, '1 2 3', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-5	WIRE MKR BOOK, 'A B C', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-6	WIRE MKR BOOK, 'T1-T3', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-7	WIRE MKR BOOK, 'L1-L3', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-8	WIRE MKR BOOK, '0-90 A-Z +-/ BLNK, 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-9	WIRE MKR BOOK, VAR NO & LET, 10 PG	1 BK	10	1	10		BK	17.18	15.43	

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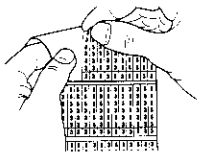
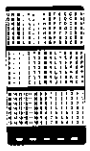
PANDUIT® Identification Products

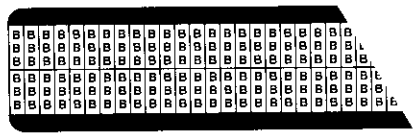


PCMB
Wire Marker Books



PCMBR
Book Replacement Pages

PCMCP
Combination Packs



PCMH
Half Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCMB-10	WIRE MKR BOOK, SOLID NEMA COLORS, 10 PG	1 BK	10	1	10		BK	$ 17.18	$ 15.43	$
PCMB-11	WIRE MKR BOOK, '1-30', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-12	WIRE MKR BOOK, 'A-Z + - BLANK', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-13	WIRE MKR BOOK, VAR SYMBOLS, 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-14	WIRE MKR BOOK, '46-90', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-15	WIRE MKR BOOK, '0-45 + -', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-16	WIRE MKR BOOK, VAR NO & LET, 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-25	WIRE MKR BOOK, '0-9 L1-L3 T1-T3', 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PCMB-LC	LOAD CENTER MARKER BOOK, 5 PG	1 BK	10	1	10		BK	10.33	9.28	
PCMBR-0	BOOK REPLACEMENT PAGES, '0', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-0-9	BOOK REPLACEMENT PAGES, '0-9', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-1	BOOK REPLACEMENT PAGES, '1', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-1-45	BOOK REPLACEMENT PAGES, '1-45', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-3	BOOK REPLACEMENT PAGES, '3', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-4	BOOK REPLACEMENT PAGES, '4', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-5	BOOK REPLACEMENT PAGES, '5', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-6	BOOK REPLACEMENT PAGES, '6', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-7	BOOK REPLACEMENT PAGES, '7', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-8	BOOK REPLACEMENT PAGES, '8', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-9	BOOK REPLACEMENT PAGES, '9', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-10	BOOK REPLACEMENT PAGES, '10', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-10-19	BOOK REPLACEMENT PAGES, '0', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-20-29	BOOK REPLACEMENT PAGES, '20-29', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-A-Z	BOOK REPLACEMENT PAGES, 'A-Z', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-L1-L3	BOOK REPLACEMENT PAGES, 'L1-L3', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMBR-T1-T3	BOOK REPLACEMENT PAGES, 'T1-T3', 10 PG	1 PK	10	1	10		PK	14.05	12.62	
PCMCP-1-25	PCM CARD COMBO PKG, 1 CARD EA '1-25'	1 PK	4	1	4		PK	39.08	35.09	
PCMCP-26-50	PCM CARD COMBO PKG, 1 CARD EA '26-50'	1 PK	4	1	4		PK	39.08	35.09	
PCMCP-51-75	PCM CARD COMBO PKG, 1 CARD EA '51-75'	1 PK	4	1	4		PK	39.08	35.09	
PCMCP-76-100	PCM CARD COMBO PKG, 1 CARD EA '76-100'	1 PK	4	1	4		PK	39.08	35.09	
PCMCP-101-125	PCM CARD COMBO PKG, 1 CARD EA '101-125'	1 PK	4	1	4		PK	39.08	35.09	
PCMCP-126-150	PCM CARD COMBO PKG, 1 CARD EA '126-150'	1 PK	4	1	4		PK	39.08	35.09	
PCMCP-A-Z	PCM CARD COMBO PKG, 1 CARD EA 'A-Z'	1 PK	4	1	4		PK	39.08	35.09	
PCMH-1	HALF WIRE MARKER CARD, CLOTH, '1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-2	HALF WIRE MARKER CARD, CLOTH, '2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-3	HALF WIRE MARKER CARD, CLOTH, '3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-4	HALF WIRE MARKER CARD, CLOTH, '4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-5	HALF WIRE MARKER CARD, CLOTH, '5'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-6	HALF WIRE MARKER CARD, CLOTH, '6'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-7	HALF WIRE MARKER CARD, CLOTH, '7'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-8	HALF WIRE MARKER CARD, CLOTH, '8'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-9	HALF WIRE MARKER CARD, CLOTH, '9'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-10	HALF WIRE MARKER CARD, CLOTH, '10'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-11	HALF WIRE MARKER CARD, CLOTH, '11'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-12	HALF WIRE MARKER CARD, CLOTH, '12'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-13	HALF WIRE MARKER CARD, CLOTH, '13'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-14	HALF WIRE MARKER CARD, CLOTH, '14'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-15	HALF WIRE MARKER CARD, CLOTH, '15'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-16	HALF WIRE MARKER CARD, CLOTH, '16'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-18	HALF WIRE MARKER CARD, CLOTH, '18'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-19	HALF WIRE MARKER CARD, CLOTH, '19'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-21	HALF WIRE MARKER CARD, CLOTH, '21'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-22	HALF WIRE MARKER CARD, CLOTH, '22'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-23	HALF WIRE MARKER CARD, CLOTH, '23'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-24	HALF WIRE MARKER CARD, CLOTH, '24'	25 CG	100	25	100	500	C	136.71	110.78	98.21

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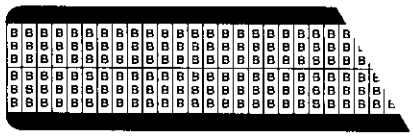
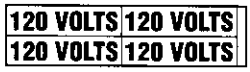


PCMH
Half Marker Cards

PCV Style A
Voltage Markers



PCV Style B
Voltage Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCMH-25	HALF WIRE MARKER CARD, CLOTH, '25'	25 CG	100	25	100	500	C	$ 136.71	$ 110.78	$ 98.21
PCMH-E1	WIRE MKR CARD, CLOTH, HALF, 'E1'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-E2	WIRE MKR CARD, CLOTH, HALF, 'E2'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-E3	WIRE MKR CARD, CLOTH, HALF, 'E3'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCMH-E4	WIRE MKR CARD, CLOTH, HALF, 'E4'	25 CG	100	25	100	500	C	136.71	110.78	98.21
PCV-1PHA	VOLT MKR, B/O 9.00" x 2.25", 'SINGLE PH'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-1PHB	VOLT MKR, B/O 4.50" x 1.13", 'SINGLE PH'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-1PHC	VOLT MKR, B/O 2.25" x 0.50", 'SINGLE PH'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-3PHA	VOLT MKR, B/O 9.00" x 2.25", 'THREE PHA'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-3PHB	VOLT MKR, B/O 4.50" x 1.13", 'THREE PHA'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-3PHC	VOLT MKR, B/O 2.25" x 0.50", 'THREE PHA'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-110A	VOLT MKR, B/O 9.00" x 2.25", '110 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-110B	VOLT MKR, B/O 4.50" x 1.13", '110 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-110C	VOLT MKR, B/O 2.25" x 0.50", '110 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-115B	VOLT MKR, B/O 4.50" x 1.13", '115 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-115C	VOLT MKR, B/O 2.25" x 0.50", '115 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-120/208A	VOLT MKR, B/O 9.00" x 2.25", '120/208 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-120/208B	VOLT MKR, B/O 4.50" x 1.13", '120/208 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-120/208C	VOLT MKR, B/O 2.25" x 0.50", '120/208 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-120A	VOLT MKR, B/O 9.00" x 2.25", '120 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-120A-E	VOLT MKR, B/O 9.00" X 2.25", '120 VOLTI'	5 CG		5	50	250	C	223.36	191.26	167.19
PCV-120B	VOLT MKR, B/O 4.50" x 1.13", '120 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-120C	VOLT MKR, B/O 2.25" x 0.50", '120 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-208A	VOLT MKR, B/O 9.00" x 2.25", '208 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-208B	VOLT MKR, B/O 4.50" x 1.13", '208 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-208C	VOLT MKR, B/O 2.25" x 0.50", '208 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-220A	VOLT MKR, B/O 9.00" x 2.25", '220 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-220A-E	VOLT MKR, B/O 9.00" X 2.25", '220 VOLTI'	5 CG		5	50	250	C	223.36	191.26	167.19
PCV-220B	VOLT MKR, B/O 4.50" x 1.13", '220 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-220C	VOLT MKR, B/O 2.25" x 0.50", '220 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-230A	VOLT MKR, B/O 9.00" x 2.25", '230 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-230B	VOLT MKR, B/O 4.50" x 1.13", '230 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-230C	VOLT MKR, B/O 2.25" x 0.50", '230 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-240A	VOLT MKR, B/O 9.00" x 2.25", '240 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-240B	VOLT MKR, B/O 4.50" x 1.13", '240 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-240C	VOLT MKR, B/O 2.25" x 0.50", '240 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-277/480A	VOLT MKR, B/O 9.00" x 2.25", '277/480 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-277/480B	VOLT MKR, B/O 4.50" x 1.13", '277/480 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-277/480C	VOLT MKR, B/O 2.25" x 0.50", '277/480 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-277A	VOLT MKR, B/O 9.00" x 2.25", '277 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-277B	VOLT MKR, B/O 4.50" x 1.13", '277 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-277C	VOLT MKR, B/O 2.25" x 0.50", '277 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-440A	VOLT MKR, B/O 9.00" x 2.25", '440 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-440B	VOLT MKR, B/O 4.50" x 1.13", '440 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-440C	VOLT MKR, B/O 2.25" x 0.50", '440 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-460A	VOLT MKR, B/O 9.00" x 2.25", '460 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-460B	VOLT MKR, B/O 4.50" x 1.13", '460 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-460C	VOLT MKR, B/O 2.25" x 0.50", '460 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-480A	VOLT MKR, B/O 9.00" x 2.25", '480 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-480B	VOLT MKR, B/O 4.50" x 1.13", '480 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-480C	VOLT MKR, B/O 2.25" x 0.50", '480 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-600B	VOLT MKR, B/O 4.50" x 1.13", '600 VOLTS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-12000A	VOLT MKR, B/O 9.00" x 2.25", '12000 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-12470A	VOLT MKR, B/O 9.00" x 2.25", '12470 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-13200A	VOLT MKR, B/O 9.00" x 2.25", '13200 V'	5 CG	50	5	50	250	C	223.36	191.26	167.19

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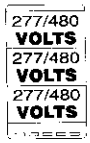
PCV Style A
Voltage Markers

PCV Style B
Voltage Markers



PCVB
Voltage Marker Books

PCWL-ACC
Write-On Label

PCWL-DFI

PD
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PCV-13800A	VOLT MKR, B/O 9.00" x 2.25", '13800 V'	5 CG	50	5	50	250	C	$ 223.36	$ 191.26	$ 167.19
PCV-BLANKA	VOLT MKR, B/O 9.00" X 2.25", BLANK	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-BLANKB	VOLT MKR, B/O 4.50" X 1.13", BLANK	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-BLANKC	VOLT MKR, B/O 2.25" X 0.50", BLANK	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-DCC	VOLT MKR, B/O 2.25" X 0.50", 'DC'	5 CG		5	50	250	C	223.36	191.26	167.19
PCV-ESA	VOLT MKR, B/O 9.00" X 2.25", 'EMER SYS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-ESB	VOLT MKR, B/O 4.50" X 1.13", 'EMER SYS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-ESC	VOLT MKR, B/O 2.25" X 0.50", 'EMER SYS'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FAB	VOLT MKR, B/O 4.50" X 1.13", 'FIRE ALAR'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FAC	VOLT MKR, B/O 2.25" X 0.50", 'FIRE ALAR'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FOA	VOLT MKR, B/O 9.00" X 2.25", 'FIBER OPT'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FOB	VOLT MKR, B/O 4.50" X 1.13", 'FIBER OPT'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FOC	VOLT MKR, B/O 2.25" X 0.50", 'FIBER OPT'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FOCA	VOLT MKR, B/O 9.00" X 2.25", 'FO CABLE'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FOCB	VOLT MKR, B/O 4.50" X 1.13", 'FO CABLE'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FOCC	VOLT MKR, B/O 2.25" X 0.50", 'FO CABLE'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCV-FOR	VOLT MKR, SNAP-ON R, B/0, 'FIBER OPTIC'	1 PC	25	1	50	250	PC	5.95	5.09	4.45
PCV-TELEB	VOLT MKR, B/O 4.50" X 1.13", 'TELEPHONE'	5 CG	50	5	50	250	C	223.36	191.26	167.19
PCVB-110	VOLTAGE MKR BOOK, '110 VOLTS', 10 PG	1 BK	10	1	10	50	BK	18.82	16.12	14.09
PCVB-220	VOLTAGE MKR BOOK, '220 VOLTS', 10 PG	1 BK	10	1	10	50	BK	18.82	16.12	14.09
PCVB-277	VOLTAGE MKR BOOK, '277 VOLTS', 10 PG	1 BK	10	1	10	50	BK	18.82	16.12	14.09
PCVB-277/480	VOLTAGE MKR BOOK, '277/480 VOLTS', 10 PG	1 BK	10	1	10	50	BK	18.82	16.12	14.09
PCVB-440	VOLTAGE MKR BOOK, '440 VOLTS', 10 PG	1 BK	10	1	10	50	BK	18.82	16.12	14.09
PCVB-480	VOLTAGE MKR BOOK, '480 VOLTS', 10 PG	1 BK	10	1	10	50	BK	18.82	16.12	14.09
PCWL-ACC	WRITE-ON LABEL, 'ACCEPTED', GRN/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-BL	WRITE-ON LABEL, BLANK, WHT	25 CG	100	1	25	100	C	339.02	235.17	203.10
PCWL-CAL	WRITE-ON LABEL, 'CALIBRATION', GRN/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-CALN	WRITE-ON LABEL, 'CALIBRATION', GRN/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-DFI	WRITE-ON LABEL, 'DUE FOR INSP', GLD/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-DI	WRITE-ON LABEL, 'DATE INSTALL', BLK/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-HFI	WRITE-ON LABEL, 'HOLD FOR INSP', BLU/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-HLD	WRITE-ON LABEL, 'HOLD', BLK/RED	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-ICAL	WRITE-ON LABEL, 'CALIBRATION', GRN/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-INS	WRITE-ON LABEL, 'INSPECTED', BLK/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-MAIN	WRITE-ON LABEL, 'MAIN', BLK/WHT	25 CG	100	1	25	100	C	322.88	223.98	193.44
PCWL-RW	WRITE-ON LABEL, 'RE-WORK', BLK/YEL	25 CG	100	1	25	100	C	322.88	223.98	193.44
PD200-0	DIE-CUT LETTER, 2" HIGH, BLK, '0'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-1	DIE-CUT LETTER, 2" HIGH, BLK, '1'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-2	DIE-CUT LETTER, 2" HIGH, BLK, '2'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-3	DIE-CUT LETTER, 2" HIGH, BLK, '3'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-4	DIE-CUT LETTER, 2" HIGH, BLK, '4'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-5	DIE-CUT LETTER, 2" HIGH, BLK, '5'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-6	DIE-CUT LETTER, 2" HIGH, BLK, '6'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-7	DIE-CUT LETTER, 2" HIGH, BLK, '7'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-8	DIE-CUT LETTER, 2" HIGH, BLK, '8'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-9	DIE-CUT LETTER, 2" HIGH, BLK, '9'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-A	DIE-CUT LETTER, 2"HIGH, BLK, 'A'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-AMPR	DIE-CUT LETTER, 2" HIGH, BLK, '&'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-AROS	DIE-CUT LETTER, 2" HIGH, BLK, ARROW	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-B	DIE-CUT LETTER, 2" HIGH, BLK, 'B'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-C	DIE-CUT LETTER, 2" HIGH, BLK, 'C'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-D	DIE-CUT LETTER, 2" HIGH, BLK, 'D'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-DOLR	DIE-CUT LETTER, 2" HIGH, BLK, '$'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-E	DIE-CUT LETTER, 2" HIGH, BLK, 'E'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-F	DIE-CUT LETTER, 2" HIGH, BLK, 'F'	10 PC		10	100	250	C	59.45	55.29	51.96

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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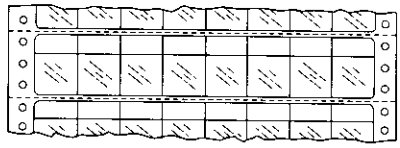
PD
Letters & Numbers



PDL
Self-Laminating Dot-Matrix Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PD200-G	DIE-CUT LETTER, 2" HIGH, BLK, 'G'	10 PC		10	100	250	C	$ 59.45	$ 55.29	$ 51.96
PD200-H	DIE-CUT LETTER, 2" HIGH, BLK, 'H'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-I	DIE-CUT LETTER, 2" HIGH, BLK, 'I'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-J	DIE-CUT LETTER, 2" HIGH, BLK, 'J'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-K	DIE-CUT LETTER, 2" HIGH, BLK, 'K'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-KIT	DIE-CUT LETTER & NO. KIT, 2" HIGH, BLK	1 KT		1	5	10	KT	352.52	301.86	263.86
PD200-L	DIE-CUT LETTER, 2" HIGH, BLK, 'L'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-M	DIE-CUT LETTER, 2" HIGH, BLK, 'M'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-N	DIE-CUT LETTER, 2" HIGH, BLK, 'N'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-O	DIE-CUT LETTER, 2" HIGH, BLK, 'O'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-P	DIE-CUT LETTER, 2" HIGH, BLK, 'P'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-PUNC	DIE-CUT LETTER, 2" HIGH, BLK, PUNC SYM	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-Q	DIE-CUT LETTER, 2" HIGH, BLK, 'Q'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-R	DIE-CUT LETTER, 2" HIGH, BLK, 'R'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-S	DIE-CUT LETTER, 2" HIGH, BLK, 'S'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-T	DIE-CUT LETTER, 2" HIGH, BLK, 'T'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-U	DIE-CUT LETTER, 2" HIGH, BLK, 'U'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-V	DIE-CUT LETTER, 2" HIGH, BLK, 'V'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-W	DIE-CUT LETTER, 2" HIGH, BLK, 'W'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-X	DIE-CUT LETTER, 2" HIGH, BLK, 'W'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-Y	DIE-CUT LETTER, 2" HIGH, BLK, 'X'	10 PC		10	100	250	C	59.45	55.29	51.96
PD200-Z	DIE-CUT LETTER, 2" HIGH, BLK, 'Y'	10 PC		10	100	250	C	59.45	55.29	51.96
PDL-1	DM SELF-LAM, 0.50" X 1.44", VINYL, WHT	5000 PC	20000	5000	30000	50000	M	29.48	23.89	21.18
PDL-1-1	DM SELF-LAM, 0.50" X 1.44", VINYL, WHT	1000 PC	10000	1000	5000	10000	M	29.28	23.73	21.04
PDL-1-10	DM SELF-LAM, 0.50" X 1.44", VINYL, WHT	10000 PC	20000	10000	50000	100000	M	21.14	17.13	15.19
PDL-1VF	DM SELF-LAM, 0.50" X 1.44", POLYO, WHT	5000 PC	20000	5000	30000	50000	M	29.61	24.00	21.28
PDL-2	DM SELF-LAM, 1.00" X 1.44", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	58.67	47.55	42.15
PDL-2-1	DM SELF-LAM, 1.00" X 1.44", VINYL, WHT	1000 PC	8000	1000	5000	10000	M	67.32	54.55	48.36
PDL-2-10	DM SELF-LAM, 1.00" X 1.44", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	45.59	36.94	32.75
PDL-2B	DM SELF-LAM, 1.00" X 1.44", VINYL, BU/W	5000 PC	10000	5000	30000	50000	M	66.22	53.66	47.58
PDL-2BR	DM SELF-LAM, 1.00" X 1.44", VINYL, BR/W	5000 PC	10000	5000	30000	50000	M	66.22	53.66	47.58
PDL-2G	DM SELF-LAM, 1.00" X 1.44", VINYL, GN/W	5000 PC	10000	5000	30000	50000	M	62.01	50.25	44.55
PDL-2GR	DM SELF-LAM, 1.00" X 1.44", VINYL, GY/W	5000 PC	10000	1000	5000	10000	M	66.22	53.66	47.58
PDL-2OR	DM SELF-LAM, 1.00" X 1.44", VINYL, OR/W	5000 PC	10000	5000	30000	50000	M	66.22	53.66	47.58
PDL-2PR	DM SELF-LAM, 1.00" X 1.44", VINYL, PR/W	5000 PC	10000	5000	30000	50000	M	66.22	53.66	47.58
PDL-2R	DM SELF-LAM, 1.00" X 1.44", VINYL, RD/W	5000 PC	10000	5000	30000	50000	M	66.22	53.66	47.58
PDL-2VF	DM SELF-LAM, 1.00" X 1.44", POLYO, WHT	5000 PC	10000	5000	30000	50000	M	58.92	47.74	42.33
PDL-2Y	DM SELF-LAM, 1.00" X 1.44", VINYL, YL/W	5000 PC	10000	5000	30000	50000	M	66.22	53.66	47.58
PDL-3	DM SELF-LAM, 2.00" X 1.44", VINYL, WHT	5000 PC	5000	5000	30000	50000	M	102.57	83.12	73.69
PDL-3-1	DM SELF-LAM, 2.00" X 1.44", VINYL, WHT	1000 PC	4000	1000	5000	10000	M	109.36	88.62	78.56
PDL-3-10	DM SELF-LAM, 2.00" X 1.44", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	79.27	64.24	56.95
PDL-4	DM SELF-LAM, 1.00" X 2.44", VINYL, WHT	1000 PC	4000	1000	5000	10000	M	94.08	76.24	67.59
PDL-4-10	DM SELF-LAM, 1.00" X 2.44", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	74.59	60.45	53.59
PDL-4R	DM SELF-LAM, 1.00" X 2.44", VINYL, RD/W	1000 PC	4000	1000	5000	10000	M	103.95	84.23	74.68
PDL-4VF	DM SELF-LAM, 1.00" X 2.44", POLYO, WHT	1000 PC	4000	1000	5000	10000	M	98.76	80.03	70.95
PDL-5	DM SELF-LAM, 2.00" X 2.44", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	213.71	173.18	153.53
PDL-5-2.5	DM SELF-LAM, 2.00" X 2.44", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	170.64	138.28	122.59
PDL-5-10	DM SELF-LAM, 2.00" X 2.44", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	161.68	131.02	116.15
PDL-5B	DM SELF-LAM, 2.00" X 2.44", VINYL, BU/W	1000 PC	2000	1000	5000	10000	M	272.00	220.41	195.40
PDL-5R	DM SELF-LAM, 2.00" X 2.44", VINYL, RD/W	1000 PC	2000	1000	5000	10000	M	272.00	220.41	195.40
PDL-5Y	DM SELF-LAM, 2.00" X 2.44", VINYL, YL/W	1000 PC	2000	1000	5000	10000	M	272.00	220.41	195.40
PDL-6	DM SELF-LAM, 1.00" X 3.94", VINYL, WHT	1000 PC	8000	1000	5000	10000	M	166.34	134.80	119.50
PDL-6-2.5	DM SELF-LAM, 1.00" X 3.94", VINYL, WHT	2500 PC	7500	2500	30000	50000	M	139.90	113.36	100.50
PDL-6-10	DM SELF-LAM, 1.00" X 3.94", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	116.60	94.48	83.76
PDL-6G	DM SELF-LAM, 1.00" X 3.94", VINYL, GN/W	1000 PC	8000	1000	5000	10000	M	211.36	171.27	151.84

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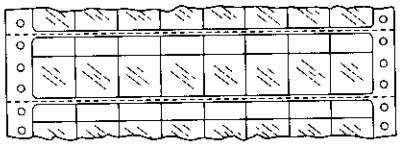
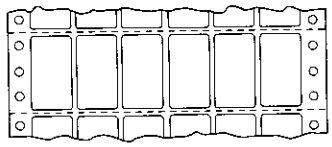


PDL
Self-Laminating Dot-Matrix Labels



PDL
Blank Dot-Matrix Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PDL-7	DM SELF-LAM, 2.00" X 3.94", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	$ 314.57	$ 254.91	$ 225.99
PDL-7-2.5	DM SELF-LAM, 2.00" X 3.94", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	223.16	180.83	160.31
PDL-7-10	DM SELF-LAM, 2.00" X 3.94", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	234.27	189.84	168.30
PDL-8	DM SELF-LAM, 0.80" X 1.44", VINYL, WHT	5000 PC	20000	5000	30000	50000	M	59.06	47.86	42.43
PDL-8-1	DM SELF-LAM, 0.80" X 1.44", VINYL, WHT	1000 PC	20000	1000	5000	10000	M	63.84	51.73	45.86
PDL-8-10	DM SELF-LAM, 0.80" X 1.44", VINYL, WHT	10000 PC	20000	10000	50000	100000	M	45.33	36.73	32.56
PDL-8B	DM SELF-LAM, 0.80" X 1.44", VINYL, BU/W	5000 PC	20000	5000	30000	50000	M	61.25	49.63	44.00
PDL-8R	DM SELF-LAM, 0.80" X 1.44", VINYL, RD/W	5000 PC	20000	5000	30000	50000	M	61.25	49.63	44.00
PDL-8Y	DM SELF-LAM, 0.80" X 1.44", VINYL, YL/W	5000 PC	20000	5000	30000	50000	M	61.25	49.63	44.00
PDL-9	DM LABEL, 0.80" X 1.44", VIN CLOTH, WHT	5000 PC	15000	5000	30000	50000	M	75.29	61.01	54.09
PDL-9-10	DM LABEL, 0.80" X 1.44", VIN CLOTH, WHT	10000 PC	10000	10000	50000	100000	M	55.77	45.19	40.06
PDL-10	DM LABEL, 0.80" X 1.44", TEDLAR*, WHT	5000 PC	10000	5000	30000	50000	M	63.39	51.37	45.54
PDL-11	DM LABEL, 0.80" X 1.44", VINYL, WHT	5000 PC	15000	5000	30000	50000	M	59.87	48.52	43.01
PDL-12	DM SELF-LAM, 0.50" X 1.44", VINYL, WHT	5000 PC	15000	5000	30000	50000	M	40.23	32.60	28.90
PDL-13	DM LABEL, 0.50" X 1.44", VIN CLOTH, WHT	5000 PC	10000	5000	30000	50000	M	42.79	34.67	30.74
PDL-13-10	DM LABEL, 0.50" X 1.44", VIN CLOTH, WHT	10000 PC	10000	10000	50000	100000	M	38.12	30.89	27.39
PDL-14	DM LABEL, 0.50" X 1.44", POLYESTER, WHT	5000 PC	15000	5000	30000	50000	M	34.77	28.17	24.98
PDL-16	DM SELF-LAM, 2.00" X 5.94", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	359.45	291.28	258.23
PDL-17	DM SELF-LAM, 2.00" X 7.44", VINYL, WHT	1000 PC	1000	1000	5000	10000	M	459.24	372.14	329.91
PDL-17-2.5	DM SELF-LAM, 2.00" X 7.44", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	380.94	308.69	273.66
PDL-18	DM SELF-LAM, 1.90" X 3.19", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	219.00	177.46	157.33
PDL-18-2.5	DM SELF-LAM, 1.90" X 3.19", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	180.19	146.02	129.45
PDL-18-10	DM SELF-LAM, 1.90" X 3.19", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	180.19	146.02	129.45
PDL-19	DM LABEL, 1.00" X 0.50", VIN CLOTH, WHT	5000 PC	15000	5000	30000	50000	M	40.96	33.19	29.43
PDL-19-1	DM LABEL, 1.00" X 0.50", VIN CLOTH, WHT	1000 PC	10000	1000	5000	10000	M	49.56	40.16	35.60
PDL-19-10	DM LABEL, 1.00" X 0.50", VIN CLOTH, WHT	10000 PC	20000	10000	50000	100000	M	33.79	27.38	24.28
PDL-20	DM LABEL, 1.00" X 0.50", POLYESTER, WHT	5000 PC	20000	5000	30000	50000	M	36.42	29.51	26.16
PDL-20-1	DM LABEL, 1.00" X 0.50", POLYESTER, WHT	1000 PC	10000	1000	5000	10000	M	45.40	36.79	32.61
PDL-20-10	DM LABEL, 1.00" X 0.50", POLYESTER, WHT	10000 PC	20000	10000	50000	100000	M	18.81	15.24	13.51
PDL-21	DM LABEL, 1.00" X 0.50", DST VINYL, WHT	5000 PC	20000	5000	30000	50000	M	43.45	35.21	31.21
PDL-21-1	DM LABEL, 1.00" X 0.50", DST VINYL, WHT	1000 PC	10000	1000	5000	10000	M	60.95	49.39	43.79
PDL-21-10	DM LABEL, 1.00" X 0.50", DST VINYL, WHT	10000 PC	20000	10000	50000	100000	M	43.03	34.87	30.91
PDL-22	DM LABEL, 1.00" X 0.50", POLYESTER, SIL	5000 PC	20000	5000	30000	50000	M	41.27	33.45	29.65
PDL-22-1	DM LABEL, 1.00" X 0.50", POLYESTER, SIL	1000 PC	10000	1000	5000	10000	M	59.79	48.45	42.95
PDL-22-10	DM LABEL, 1.00" X 0.50", POLYESTER, SIL	10000 PC	20000	10000	50000	100000	M	36.85	29.86	26.48
PDL-23	DM LABEL, 0.90" X 0.25", TEDLAR*, WHT	5000 PC	60000	5000	30000	50000	M	18.95	15.35	13.61
PDL-24	DM LABEL, 1.25" X 0.38", TEDLAR*, YEL	5000 PC	30000	5000	30000	50000	M	39.38	31.91	28.29
PDL-25	DM LABEL, 1.25" X 0.38", TEDLAR*, WHT	5000 PC	30000	5000	30000	50000	M	45.81	37.13	32.91
PDL-25-10	DM LABEL, 1.25" X 0.38", TEDLAR*, WHT	10000 PC	40000	10000	50000	100000	M	35.41	28.69	25.44
PDL-27	DM LABEL, 1.50" X 0.75", TEDLAR*, WHT	5000 PC	10000	5000	30000	50000	M	89.33	72.39	64.18
PDL-27-10	DM LABEL, 1.50" X 0.75", TEDLAR*, WHT	10000 PC	10000	10000	50000	100000	M	68.87	55.81	49.48
PDL-28	DM LABEL, 1.50" X 0.75", TEDLAR*, YEL	5000 PC	10000	5000	30000	50000	M	70.92	57.47	50.95
PDL-29	DM LABEL, 1.50" X 0.75", POLYESTER, SIL	5000 PC	10000	5000	30000	50000	M	89.33	72.39	64.18
PDL-29-1	DM LABEL, 1.50" X 0.75", POLYESTER, SIL	1000 PC	8000	1000	5000	10000	M	88.72	71.90	63.74
PDL-30	DM LABEL, 1.00" X 0.38", VIN CLOTH, WHT	5000 PC	20000	5000	30000	50000	M	35.55	28.81	25.54
PDL-30-1	DM LABEL, 1.00" X 0.38", VIN CLOTH, WHT	1000 PC	10000	1000	5000	10000	M	45.36	36.76	32.59
PDL-30-10	DM LABEL, 1.00" X 0.38", VIN CLOTH, WHT	10000 PC	20000	10000	50000	100000	M	27.44	22.24	19.71
PDL-31	DM LABEL, 1.00" X 0.38", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	33.90	27.47	24.35
PDL-31-10	DM LABEL, 1.00" X 0.38", POLYESTER, WHT	10000 PC	30000	10000	50000	100000	M	23.14	18.75	16.63
PDL-32	DM LABEL, 2.00" X 0.38", VIN CLOTH, WHT	5000 PC	10000	5000	30000	50000	M	55.35	44.85	39.76
PDL-32-1	DM LABEL, 2.00" X 0.38", VIN CLOTH, WHT	1000 PC	10000	1000	5000	10000	M	68.71	55.68	49.36
PDL-32-10	DM LABEL, 2.00" X 0.38", VIN CLOTH, WHT	10000 PC	10000	10000	50000	100000	M	45.61	36.96	32.76
PDL-33	DM LABEL, 3.00" X 0.38", VIN CLOTH, WHT	5000 PC	5000	5000	30000	50000	M	78.56	63.66	56.44
PDL-34	DM LABEL, 0.65" X 0.20", VIN CLOTH, WHT	5000 PC	30000	5000	30000	50000	M	19.63	15.90	14.10
PDL-34-1	DM LABEL, 0.65" X 0.20", VIN CLOTH, WHT	1000 PC	20000	1000	5000	10000	M	22.97	18.61	16.50

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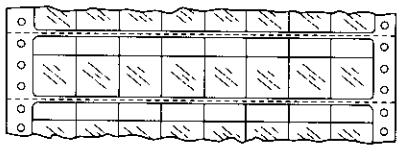
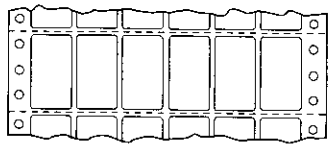
Effective Date: March 23, 2001



PDL
Self-Laminating Dot-Matrix Labels



PDL
Blank Dot-Matrix Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PDL-34-10	DM LABEL, 0.65" X 0.20", VIN CLOTH, WHT	10000 PC	40000	10000	50000	100000	M	$ 15.36	$ 12.45	$ 11.04
PDL-35	DM LABEL, 0.65" X 0.20", DST VINYL, WHT	5000 PC	50000	5000	30000	50000	M	21.94	17.78	15.76
PDL-35-1	DM LABEL, 0.65" X 0.20", DST VINYL, WHT	1000 PC	50000	1000	5000	10000	M	25.65	20.78	18.43
PDL-35-10	DM LABEL, 0.65" X 0.20", DST VINYL, WHT	10000 PC	50000	10000	50000	100000	M	17.03	13.80	12.24
PDL-36	DM LABEL, 0.65" X 0.20", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	17.02	13.79	12.23
PDL-36-10	DM LABEL, 0.65" X 0.20", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	14.06	11.39	10.10
PDL-37	DM LABEL, 0.75" X 0.25", VIN CLOTH, WHT	5000 PC	25000	5000	30000	50000	M	24.66	19.98	17.71
PDL-37-10	DM LABEL, 0.75" X 0.25", VIN CLOTH, WHT	10000 PC	30000	10000	50000	100000	M	18.06	14.64	12.98
PDL-38	DM LABEL, 0.75" X 0.25", DST VINYL, WHT	5000 PC	40000	5000	30000	50000	M	25.89	20.98	18.60
PDL-38-10	DM LABEL, 0.75" X 0.25", DST VINYL, WHT	10000 PC	50000	10000	50000	100000	M	20.24	16.40	14.54
PDL-39	DM LABEL, 0.75" X 0.25", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	21.65	17.54	15.55
PDL-39-10	DM LABEL, 0.75" X 0.25", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	15.64	12.68	11.24
PDL-40	DM LABEL, 1.50" X 0.25", REM PAPER, WHT	5000 PC	25000	5000	30000	50000	M	20.55	16.65	14.76
PDL-40-10	DM LABEL, 1.50" X 0.25", REM PAPER, WHT	10000 PC	30000	10000	50000	100000	M	16.11	13.06	11.58
PDL-41	DM LABEL, 1.50" X 0.25", VIN CLOTH, WHT	5000 PC	15000	5000	30000	50000	M	37.79	30.63	27.15
PDL-41-10	DM LABEL, 1.50" X 0.25", VIN CLOTH, WHT	10000 PC	20000	10000	50000	100000	M	35.44	28.72	25.46
PDL-42	DM SELF-LAM, 0.50" X 0.75", VINYL, WHT	5000 PC	25000	5000	30000	50000	M	27.18	22.02	19.53
PDL-42-10	DM SELF-LAM, 0.50" X 0.75", VINYL, WHT	10000 PC	20000	10000	50000	100000	M	22.36	18.12	16.06
PDL-43	DM LABEL, 0.50" X 0.75", VIN CLOTH, WHT	5000 PC	25000	5000	30000	50000	M	24.60	19.94	17.68
PDL-43-10	DM LABEL, 0.50" X 0.75", VIN CLOTH, WHT	10000 PC	20000	10000	50000	100000	M	24.41	19.78	17.54
PDL-44	DM LABEL, 0.50" X 0.75", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	26.19	21.22	18.81
PDL-45	DM LABEL, 0.50" X 0.44", VIN CLOTH, WHT	5000 PC	35000	5000	30000	50000	M	18.53	15.02	13.31
PDL-45-10	DM LABEL, 0.50" X 0.44", VIN CLOTH, WHT	10000 PC	40000	10000	50000	100000	M	14.44	11.70	10.38
PDL-46	DM LABEL, 0.50" X 0.44", DST VINYL, WHT	5000 PC	40000	5000	30000	50000	M	16.08	13.03	11.55
PDL-47	DM LABEL, 0.50" X 0.44", POLYESTER, WHT	5000 PC	50000	5000	30000	50000	M	19.09	15.47	13.71
PDL-47-10	DM LABEL, 0.50" X 0.44", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	12.53	10.15	9.00
PDL-48	DM LABEL, 0.50" X 0.44", POLYESTER, SIL	5000 PC	40000	5000	30000	50000	M	20.46	16.58	14.70
PDL-49	DM LABEL, 0.90" X 0.25", TEDLAR*, WHT	5000 PC	40000	5000	30000	50000	M	24.48	19.84	17.59
PDL-49-10	DM LABEL, 0.90" X 0.25", TEDLAR*, WHT	10000 PC	40000	10000	50000	100000	M	18.95	15.35	13.61
PDL-51	DM SELF-LAM, 1.00" X 5.94", VINYL, WHT	1000 PC	3000	1000	5000	10000	M	198.62	160.95	142.69
PDL-52	DM SELF-LAM, 1.00" X 7.44", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	329.14	266.72	236.45
PDL-52-2.5	DM SELF-LAM, 1.00" X 7.44", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	241.69	195.85	173.63
PDL-53	DM SELF-LAM, 0.50" X 1.38", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	34.47	27.93	24.76
PDL-53-10	DM SELF-LAM, 0.50" X 1.38", TEDLAR*, WHT	10000 PC	20000	10000	50000	100000	M	28.22	22.87	20.28
PDL-54	DM SELF-LAM, 1.00" X 1.38", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	59.04	47.84	42.41
PDL-54B	DM SELF-LAM, 1.00" X 1.38", TEDLAR* BU/W	5000 PC	15000	5000	30000	50000	M	81.22	65.82	58.35
PDL-54BR	DM SELF-LAM, 1.00" X 1.38", TEDLAR* BR/W	5000 PC	15000	5000	30000	50000	M	81.22	65.82	58.35
PDL-54G	DM SELF-LAM, 1.00" X 1.38", TEDLAR* GN/W	5000 PC	15000	5000	30000	50000	M	81.22	65.82	58.35
PDL-54OR	DM SELF-LAM, 1.00" X 1.38", TEDLAR* OR/W	5000 PC	15000	5000	30000	50000	M	81.22	65.82	58.35
PDL-54PR	DM SELF-LAM, 1.00" X 1.38", TEDLAR* PR/W	5000 PC	15000	5000	30000	50000	M	81.22	65.82	58.35
PDL-54R	DM SELF-LAM, 1.00" X 1.38", TEDLAR* RD/W	5000 PC	15000	5000	30000	50000	M	81.22	65.82	58.35
PDL-54Y	DM SELF-LAM, 1.00" X 1.38", TEDLAR* YL/W	5000 PC	15000	5000	30000	50000	M	81.22	65.82	58.35
PDL-55	DM SELF-LAM, 2.00" X 1.38", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	187.43	151.89	134.65
PDL-55Y	DM SELF-LAM, 2.00" X 1.38", TEDLAR* YL/W	5000 PC	15000	5000	30000	50000	M	208.26	168.76	149.61
PDL-56	DM SELF-LAM, 1.00" X 2.44", TEDLAR*, WHT	1000 PC	8000	1000	5000	10000	M	155.83	126.28	111.95
PDL-57	DM SELF-LAM, 2.00" X 2.44", TEDLAR*, WHT	1000 PC	4000	1000	5000	10000	M	317.60	257.37	228.16
PDL-58	DM SELF-LAM, 1.00" X 3.87", TEDLAR* WHT	1000 PC	4000	1000	5000	10000	M	256.41	207.78	184.20
PDL-59	DM SELF-LAM, 2.00" X 3.87", TEDLAR* WHT	1000 PC	3000	1000	5000	10000	M	507.71	411.42	364.74
PDL-59-10	DM SELF-LAM, 2.00" X 3.87", TEDLAR* WHT	10000 PC	20000	10000	50000	100000	M	360.21	291.90	258.78
PDL-60	DM SELF-LAM, 0.80" X 1.44", TEDLAR* WHT	5000 PC	25000	5000	30000	50000	M	58.90	47.73	42.31
PDL-61	DM SELF-LAM, 0.50" X 1.44", TEDLAR* WHT	5000 PC	15000	5000	30000	50000	M	46.60	37.76	33.48
PDL-62	DM SELF-LAM, 2.00" X 5.94", TEDLAR* WHT	1000 PC	3000	1000	5000	10000	M	773.20	626.56	555.46
PDL-63	DM SELF-LAM, 2.00" X 7.44", TEDLAR* WHT	1000 PC	1000	1000	5000	10000	M	880.47	713.49	632.53
PDL-64	DM SELF-LAM, 1.90" X 3.19", TEDLAR* WHT	1000 PC	3000	1000	5000	10000	M	394.41	319.60	283.34
PDL-65	DM LABEL, 1.00" X 0.50", REM PAPER, WHT	5000 PC	20000	5000	30000	50000	M	12.35	10.01	8.88

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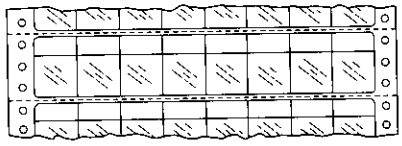
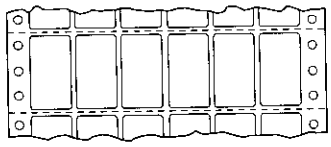


PDL
Self-Laminating Dot-Matrix Labels



PDL
Blank Dot-Matrix Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PDL-66	DM LABEL, 0.90" X 0.25", VIN CLOTH, WHT	5000 PC	40000	5000	30000	50000	M	$ 21.61	$ 17.51	$ 15.53
PDL-67	DM LABEL, 0.90" X 0.25", DST PAPER, WHT	5000 PC	50000	5000	30000	50000	M	6.11	4.95	4.39
PDL-68	DM LABEL, 0.90" X 0.25", POLYESTER, SIL	5000 PC	50000	5000	30000	50000	M	20.46	16.58	14.70
PDL-69	DM LABEL, 1.25" X 0.38", VIN CLOTH, WHT	5000 PC	20000	5000	30000	50000	M	55.77	45.19	40.06
PDL-70	DM LABEL, 1.25" X 0.38", DST PAPER, WHT	5000 PC	30000	5000	30000	50000	M	11.87	9.62	8.53
PDL-71	DM LABEL, 1.25" X 0.38", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	33.18	26.89	23.84
PDL-72	DM LABEL, 1.50" X 0.75", VIN CLOTH, WHT	5000 PC	5000	5000	30000	50000	M	97.77	79.23	70.24
PDL-73	DM LABEL, 1.50" X 0.75", DST PAPER, WHT	5000 PC	10000	5000	30000	50000	M	27.93	22.63	20.06
PDL-73-10	DM LABEL, 1.50" X 0.75", DST PAPER, WHT	10000 PC	10000	10000	50000	100000	M	22.32	18.09	16.04
PDL-74	DM LABEL, 1.00" X 0.38", DST PAPER, WHT	5000 PC	25000	5000	30000	50000	M	9.80	7.94	7.04
PDL-75	DM LABEL, 1.00" X 0.38", TEDLAR*, WHT	5000 PC	25000	5000	30000	50000	M	32.85	26.62	23.60
PDL-76	DM LABEL, 2.00" X 0.38", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	65.72	53.26	47.21
PDL-77	DM LABEL, 2.00" X 0.38", POLYESTER, WHT	5000 PC	15000	5000	30000	50000	M	40.72	32.99	29.25
PDL-78	DM LABEL, 2.00" X 0.38", DST PAPER, WHT	5000 PC	15000	5000	30000	50000	M	18.72	15.17	13.45
PDL-79	DM LABEL, 3.00" X 0.38", TEDLAR*, WHT	5000 PC	10000	5000	30000	50000	M	103.22	83.64	74.15
PDL-80	DM LABEL, 3.00" X 0.38", POLYESTER, WHT	5000 PC	10000	5000	30000	50000	M	60.97	49.41	43.80
PDL-81	DM LABEL, 3.00" X 0.38", DST PAPER, WHT	5000 PC	10000	5000	30000	50000	M	34.33	27.82	24.66
PDL-82	DM LABEL, 0.65" X 0.20", DST PAPER, WHT	5000 PC	50000	5000	30000	50000	M	13.19	10.69	9.48
PDL-82-10	DM LABEL, 0.65" X 0.20", DST PAPER, WHT	10000 PC	80000	10000	50000	100000	M	9.99	8.09	7.18
PDL-83	DM LABEL, 0.65" X 0.20", TEDLAR*, WHT	5000 PC	50000	5000	30000	50000	M	13.87	11.24	9.96
PDL-83-10	DM LABEL, 0.65" X 0.20", TEDLAR*, WHT	10000 PC	50000	10000	50000	100000	M	10.39	8.42	7.46
PDL-84	DM LABEL, 0.75" X 0.25", TEDLAR*, WHT	5000 PC	25000	5000	30000	50000	M	12.35	10.01	8.88
PDL-85	DM LABEL, 0.75" X 0.25", DST PAPER, WHT	5000 PC	40000	5000	30000	50000	M	5.59	4.53	4.01
PDL-86	DM LABEL, 1.50" X 0.25", TEDLAR , WHT	5000 PC	20000	5000	30000	50000	M	39.92	32.35	28.68
PDL-87	DM LABEL, 1.50" X 0.25", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	34.40	27.88	24.71
PDL-88	DM SELF-LAM, 0.50" X 0.75", TEDLAR*, WHT	5000 PC	25000	5000	30000	50000	M	32.85	26.62	23.60
PDL-89	DM LABEL, 0.50" X 0.75", DST PAPER, WHT	5000 PC	25000	5000	30000	50000	M	10.94	8.87	7.86
PDL-90	DM LABEL, 0.50" X 0.75", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	31.29	25.35	22.48
PDL-91	DM LABEL, 0.50" X 0.44", REM PAPER, WHT	5000 PC	50000	5000	30000	50000	M	5.25	4.26	3.78
PDL-92	DM LABEL, 0.90" X 0.25", DST PAPER, WHT	5000 PC	40000	5000	30000	50000	M	7.15	5.80	5.14
PDL-93	DM LABEL, 0.90" X 0.25", VIN CLOTH, WHT	5000 PC	25000	5000	30000	50000	M	24.39	19.77	17.53
PDL-94	DM LABEL, 0.90" X 0.25", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	23.09	18.71	16.59
PDL-94-1	DM LABEL, 0.90" X 0.25", POLYESTER, WHT	1000 PC	20000	1000	5000	10000	M	25.44	20.61	18.28
PDL-94-10	DM LABEL, 0.90" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	16.27	13.18	11.69
PDL-95	DM SELF-LAM, 1.00" X 5.94", TEDLAR*, WHT	1000 PC	3000	1000	5000	10000	M	538.30	436.21	386.71
PDL-96	DM SELF-LAM, 1.00" X 7.44", TEDLAR*, WHT	1000 PC	2000	1000	5000	10000	M	674.30	546.42	484.41
PDL-97	DM LABEL, 1.00" X 0.50", ALUMINUM, SIL	5000 PC	20000	5000	30000	50000	M	29.06	23.55	20.88
PDL-99	DM LABEL, 1.00" X 0.50", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	43.01	34.86	30.90
PDL-99-10	DM LABEL, 1.00" X 0.50", TEDLAR*, WHT	10000 PC	20000	10000	50000	100000	M	35.01	28.37	25.15
PDL-100	DM LABEL, 0.44" X 2.56", TEDLAR*, WHT	5000 PC	10000	5000	30000	50000	M	102.38	82.96	73.55
PDL-103	DM LABEL, 0.44" X 2.56", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	111.53	90.38	80.13
PDL-105	DM LABEL, 0.44" X 3.63", POLYESTER, WHT	5000 PC	10000	5000	30000	50000	M	114.49	92.78	82.25
PDL-108	DM SELF-LAM, 1.90" X 3.19", TEDLAR*, WHT	1000 PC	2000	1000	5000	10000	M	394.41	319.60	283.34
PDL-109	DM SELF-LAM, 1.90" X 3.19", VINYL, WHT	1000 PC	1000	1000	5000	10000	M	210.73	170.77	151.39
PDL-109-2.5	DM SELF-LAM, 1.90" X 3.19", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	168.59	136.61	121.11
PDL-110	DM LABEL, 2.00" X 0.38", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	68.83	55.78	49.45
PDL-111	DM LABEL, 2.00" X 0.38", POLYESTER, WHT	5000 PC	15000	5000	30000	50000	M	46.70	37.84	33.55
PDL-112	DM LABEL, 2.00" X 0.38", DST PAPER, WHT	5000 PC	15000	5000	30000	50000	M	38.89	31.51	27.94
PDL-113	DM LABEL, 2.00" X 0.38", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	44.18	35.80	31.74
PDL-114	DM LABEL, 2.00" X 0.38", VIN CLOTH, WHT	5000 PC	10000	5000	30000	50000	M	60.43	48.97	43.41
PDL-115	DM SELF-LAM, 2.00" X 7.44", VINYL, WHT	1000 PC	1000	1000	5000	10000	M	466.08	377.68	334.83
PDL-115-2.5	DM SELF-LAM, 2.00" X 7.44", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	380.94	308.69	273.66
PDL-116	DM SELF-LAM, 2.00" X 7.44", TEDLAR*, WHT	1000 PC	1000	1000	5000	10000	M	738.07	598.09	530.23
PDL-117	DM SELF-LAM, 0.50" X 0.75", VINYL, WHT	5000 PC	20000	5000	30000	50000	M	24.93	20.21	17.91
PDL-118	DM SELF-LAM, 0.50" X 0.75", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	36.78	29.81	26.43

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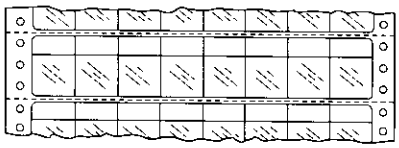
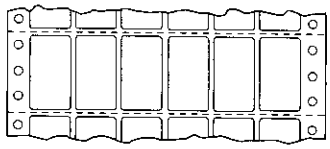


PDL
Self-Laminating Dot-Matrix Labels



PDL
Blank Dot-Matrix Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PDL-118-1	DM SELF-LAM, 0.50" X 0.75", TEDLAR*, WHT	1000 PC	10000	1000	5000	10000	M	$ 44.87	$ 36.36	$ 32.24
PDL-118-10	DM SELF-LAM, 0.50" X 0.75", TEDLAR*, WHT	10000 PC	30000	10000	50000	100000	M	30.87	25.01	22.18
PDL-119	DM LABEL, 0.50" X 0.75", VIN CLOTH, WHT	5000 PC	15000	5000	30000	50000	M	25.51	20.67	18.33
PDL-121	DM LABEL, 0.50" X 0.75", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	36.21	29.34	26.01
PDL-122	DM LABEL, 0.50" X 0.75", DST PAPER, WHT	5000 PC	25000	5000	30000	50000	M	14.60	11.83	10.49
PDL-123	DM SELF-LAM, 1.00" X 5.94", TEDLAR*, WHT	1000 PC	2000	1000	5000	10000	M	386.61	313.29	277.74
PDL-124	DM SELF-LAM, 1.00" X 5.94", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	286.63	232.27	205.91
PDL-124-2.5	DM SELF-LAM, 1.00" X 5.94", VINYL, WHT	2500 PC	2500	2500	30000	50000	M	212.05	171.84	152.34
PDL-124-10	DM SELF-LAM, 1.00" X 5.94", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	203.34	164.77	146.08
PDL-125	DM SELF-LAM, 1.00" X 7.44", TEDLAR*, WHT	1000 PC	3000	1000	5000	10000	M	484.24	392.40	347.88
PDL-126	DM SELF-LAM, 1.00" X 7.44", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	329.14	266.72	236.45
PDL-126-10	DM SELF-LAM, 1.00" X 7.44", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	265.66	215.28	190.85
PDL-127	DM LABEL, 1.25" X 0.38", TEDLAR*, YEL	5000 PC	25000	5000	30000	50000	M	43.29	35.08	31.10
PDL-128	DM LABEL, 1.25" X 0.38", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	43.29	35.08	31.10
PDL-128-10	DM LABEL, 1.25" X 0.38", TEDLAR*, WHT	10000 PC	20000	10000	50000	100000	M	37.15	30.10	26.69
PDL-129	DM LABEL, 1.25" X 0.38", TEDLAR*, GRY	5000 PC	20000	5000	30000	50000	M	52.62	42.64	37.80
PDL-130	DM LABEL, 1.25" X 0.38", VIN CLOTH, WHT	5000 PC	15000	5000	30000	50000	M	45.19	36.62	32.46
PDL-131	DM LABEL, 1.25" X 0.38", POLYESTER, WHT	5000 PC	20000	5000	30000	50000	M	33.18	26.89	23.84
PDL-132	DM LABEL, 1.25" X 0.38", VINYL, WHT	5000 PC	20000	5000	30000	50000	M	29.96	24.28	21.53
PDL-132-10	DM LABEL, 1.25" X 0.38", VINYL, WHT	10000 PC	20000	10000	50000	100000	M	24.10	19.53	17.31
PDL-133	DM SELF-LAM, 2.00" X 5.94", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	298.01	241.49	214.09
PDL-134	DM SELF-LAM, 2.00" X 5.94", TEDLAR*, WHT	1000 PC	2000	1000	5000	10000	M	773.20	626.56	555.46
PDL-135	DM LABEL, 0.50" X 1.44", VIN CLOTH, WHT	5000 PC	10000	5000	30000	50000	M	46.77	37.90	33.60
PDL-139	DM LABEL, 3.00" X 2.00", POLYESTER, SIL	1000 PC	1000	1000	5000	10000	M	513.79	416.34	369.10
PDL-141	DM LABEL, 3.00" X 2.00", DST PAPER, WHT	1000 PC	2000	1000	5000	10000	M	204.52	165.73	146.93
PDL-143	DM LABEL, 3.00" X 2.00", ALUMINUM, SIL	1000 PC	2000	1000	5000	10000	M	463.92	375.93	333.28
PDL-144	DM LABEL, 3.00" X 2.00", POLYESTER, WHT	1000 PC	2000	1000	5000	10000	M	430.60	348.93	309.34
PDL-145	DM LABEL, 2.00" X 1.25", POLYESTER, SIL	1000 PC	6000	1000	5000	10000	M	453.11	367.18	325.51
PDL-146	DM LABEL, 2.00" X 1.25", VINYL, WHT	1000 PC	3000	1000	5000	10000	M	203.30	164.74	146.05
PDL-148	DM LABEL, 2.00" X 1.25", ALUMINUM, SIL	1000 PC	6000	1000	5000	10000	M	202.40	164.01	145.40
PDL-149	DM LABEL, 2.00" X 1.25", DST PAPER, WHT	1000 PC	4000	1000	5000	10000	M	71.41	57.87	51.30
PDL-150	DM LABEL, 2.00" X 1.25", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	184.91	149.84	132.84
PDL-151	DM LABEL, 3.25" X 1.25", POLYESTER, SIL	1000 PC	3000	1000	5000	10000	M	393.62	318.97	282.78
PDL-152	DM LABEL, 3.25" X 1.25", VINYL, WHT	1000 PC	2000	1000	5000	10000	M	239.22	193.85	171.85
PDL-153	DM LABEL, 3.25" X 1.25", VIN CLOTH, WHT	1000 PC	2000	1000	5000	10000	M	383.74	310.96	275.68
PDL-154	DM LABEL, 3.25" X 1.25", ALUMINUM, SIL	1000 PC	3000	1000	5000	10000	M	393.62	318.97	282.78
PDL-155	DM LABEL, 3.25" X 1.25", DST PAPER, WHT	1000 PC	3000	1000	5000	10000	M	123.42	100.01	88.66
PDL-157	DM LABEL, 1.00" X 0.50", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	51.85	42.02	37.25
PDL-158	DM LABEL, 1.00" X 0.50", POLYESTER, SIL	5000 PC	20000	5000	30000	50000	M	45.94	37.22	33.00
PDL-159	DM LABEL, 3.63" X 1.00", DST PAPER, WHT	5000 PC	5000	5000	30000	50000	M	73.39	59.47	52.73
PDL-160	DM LABEL, 3.63" X 1.00", VIN CLOTH, WHT	5000 PC	5000	5000	30000	50000	M	257.69	208.82	185.13
PDL-161	DM LABEL, 3.63" X 1.50", DST PAPER, WHT	5000 PC	5000	5000	30000	50000	M	83.35	67.54	59.88
PDL-163	DM LABEL, 2.80" X 1.00", DST PAPER, WHT	1000 PC	4000	1000	5000	10000	M	43.60	35.33	31.33
PDL-164	DM LABEL, 2.80" X 1.00", VIN CLOTH, WHT	1000 PC	3000	1000	5000	10000	M	182.23	147.67	130.91
PDL-165	DM LABEL, 2.80" X 1.50", DST PAPER, WHT	1000 PC	4000	1000	5000	10000	M	36.14	29.29	25.96
PDL-166	DM LABEL, 2.80" X 1.50", VIN CLOTH, WHT	1000 PC	3000	1000	5000	10000	M	273.34	221.50	196.36
PDL-168	DM SELF-LAM, 0.36" X 0.94", VINYL, WHT	5000 PC	25000	5000	30000	50000	M	27.89	22.60	20.04
PDL-169	DM SELF-LAM, 0.36" X 0.94", TEDLAR*, WHT	5000 PC	25000	5000	30000	50000	M	30.80	24.96	22.13
PDL-170	DM LABEL, 0.80" X 0.50", REM PAPER, WHT	5000 PC	25000	5000	30000	50000	M	17.92	14.52	12.88
PDL-171	DM LABEL, 0.80" X 0.50", VINYL, WHT	5000 PC	25000	5000	30000	50000	M	33.62	27.24	24.15
PDL-172	DM LABEL, 0.80" X 0.50", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	44.11	35.74	31.69
PDL-174	DM LABEL, 0.80" X 0.50", DST PAPER, WHT	5000 PC	25000	5000	30000	50000	M	14.69	11.90	10.55
PDL-175	DM LABEL, 0.81" X 0.50", POLYESTER, SIL	5000 PC	25000	5000	30000	50000	M	38.99	31.60	28.01
PDL-176	DM LABEL, 0.25" X 1.44", VIN CLOTH, WHT	5000 PC	25000	5000	30000	50000	M	26.50	21.47	19.04
PDL-177	DM LABEL, 0.25" X 1.44", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	34.24	27.75	24.60

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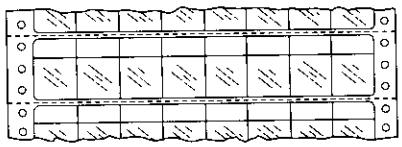
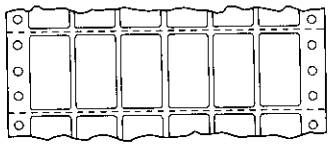


PDL
Self-Laminating Dot-Matrix Labels



PDL
Blank Dot-Matrix Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PDL-180	DM LABEL, 0.38" X 1.44", VIN CLOTH, WHT	5000 PC	20000	5000	30000	50000	M	$ 40.63	$ 32.92	$ 29.19
PDL-182	DM LABEL, 0.38" X 1.44", VINYL, WHT	5000 PC	40000	5000	30000	50000	M	38.91	31.53	27.95
PDL-185	DM LABEL, 0.50" X 1.44", POLYESTER, WHT	5000 PC	20000	5000	30000	50000	M	45.19	36.62	32.46
PDL-188	DM LABEL, 1.00" X 0.50", VINYL, WHT	5000 PC	20000	5000	30000	50000	M	50.08	40.58	35.98
PDL-189	DM LABEL, 0.65" X 0.20", VINYL, WHT	5000 PC	40000	5000	30000	50000	M	20.62	16.71	14.81
PDL-190	DM LABEL, 0.75" X 0.25", VINYL, WHT	5000 PC	40000	5000	30000	50000	M	24.36	19.74	17.50
PDL-191	DM LABEL, 0.79" X 0.32", VIN CLOTH, YEL	5000 PC	20000	5000	30000	50000	M	30.90	25.04	22.20
PDL-192	DM LABEL, 0.79" X 0.32", VIN CLOTH, WHT	5000 PC	20000	5000	30000	50000	M	30.90	25.04	22.20
PDL-193	DM LABEL, 0.59" X 0.35", VIN CLOTH, YEL	5000 PC	25000	5000	30000	50000	M	23.66	19.18	17.00
PDL-194	DM LABEL, 0.59" X 0.35", VIN CLOTH, WHT	5000 PC	25000	5000	30000	50000	M	23.66	19.18	17.00
PDL-230	DM LABEL, 1.00" X 0.50", TEDLAR*, YEL	5000 PC	20000	5000	30000	50000	M	58.10	47.08	41.74
PDL-231	DM LABEL, 1.50" X 0.75", POLYESTER, WHT	5000 PC	10000	5000	30000	50000	M	75.67	61.32	54.36
PDL-231-10	DM LABEL, 1.50" X 0.75", POLYESTER, WHT	10000 PC	10000	10000	50000	100000	M	64.55	52.31	46.38
PDL-234	DM LABEL, 0.65" X 0.20", POLYESTER, SIL	5000 PC	50000	5000	30000	50000	M	30.78	24.94	22.11
PDL-238	DM SELF-LAM, 0.30" X 0.75", TEDLAR*, WHT	5000 PC	50000	5000	30000	50000	M	44.54	36.10	32.00
PDL-239	DM SELF-LAM, 0.30" X 0.75", VINYL, WHT	5000 PC	50000	5000	30000	50000	M	14.42	11.69	10.36
PDL-241	DM SELF-LAM, 0.30" X 0.94", VINYL, WHT	5000 PC	50000	5000	30000	50000	M	18.04	14.62	12.96
PDL-242	DM SELF-LAM, 0.50" X 0.94", TEDLAR*, WHT	5000 PC	30000	5000	30000	50000	M	54.04	43.79	38.83
PDL-243	DM SELF-LAM, 0.50" X 0.94", VINYL, WHT	5000 PC	20000	5000	30000	50000	M	24.60	19.94	17.68
PDL-244	DM SELF-LAM, 0.75" X 1.75", TEDLAR*, WHT	5000 PC	10000	5000	30000	50000	M	192.20	155.75	138.08
PDL-245	DM SELF-LAM, 0.75" X 1.75", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	79.17	64.16	56.88
PDL-245-1	DM SELF-LAM, 0.75" X 1.75", VINYL, WHT	1000 PC	5000	1000	5000	10000	M	80.86	65.52	58.09
PDL-245-10	DM SELF-LAM, 0.75" X 1.75", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	57.28	46.42	41.15
PDL-246	DM SELF-LAM, 0.80" X 0.94", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	86.48	70.08	62.13
PDL-247	DM SELF-LAM, 0.80" X 0.94", VINYL, WHT	5000 PC	15000	5000	30000	50000	M	28.71	23.27	20.63
PDL-248	DM SELF-LAM, 1.00" X 0.75", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	108.12	87.62	77.68
PDL-249	DM SELF-LAM, 1.00" X 0.75", VINYL, WHT	5000 PC	15000	5000	30000	50000	M	42.51	34.45	30.54
PDL-249-1	DM SELF-LAM, 1.00" X 0.75", VINYL, WHT	1000 PC	8000	1000	5000	10000	M	55.28	44.80	39.71
PDL-249-10	DM SELF-LAM, 1.00" X 0.75", VINYL, WHT	10000 PC	20000	10000	50000	100000	M	31.84	25.80	22.88
PDL-250	DM SELF-LAM, 1.00" X 0.94", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	108.12	87.62	77.68
PDL-251	DM SELF-LAM, 1.00" X 0.94", VINYL, WHT	5000 PC	15000	5000	30000	50000	M	40.87	33.12	29.36
PDL-253	DM LABEL, 0.30" X 0.30", POLYESTER, WHT	5000 PC	90000	5000	30000	50000	M	16.90	13.69	12.14
PDL-253-10	DM LABEL, 0.30" X 0.30", POLYESTER, WHT	10000 PC	50000	10000	50000	100000	M	13.61	11.03	9.78
PDL-254	DM LABEL, 0.30" X 0.75", VIN CLOTH, WHT	5000 PC	40000	5000	30000	50000	M	19.92	16.14	14.31
PDL-257	DM LABEL, 0.30" X 0.94", VIN CLOTH, WHT	5000 PC	40000	5000	30000	50000	M	20.91	16.95	15.03
PDL-260	DM LABEL, 0.38" X 0.38", VIN CLOTH, WHT	5000 PC	40000	5000	30000	50000	M	15.16	12.28	10.89
PDL-264	DM LABEL, 0.38" X 0.38", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	16.72	13.55	12.01
PDL-264-10	DM LABEL, 0.38" X 0.38", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	13.03	10.56	9.36
PDL-265	DM LABEL, 0.50" X 0.94", VIN CLOTH, WHT	5000 PC	20000	5000	30000	50000	M	26.85	21.76	19.29
PDL-273	DM LABEL, 0.75" X 0.25", DST VINYL, WHT	5000 PC	40000	5000	30000	50000	M	24.26	19.66	17.43
PDL-279	DM LABEL, 0.80" X 0.20", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	20.25	16.41	14.55
PDL-279-10	DM LABEL, 0.80" X 0.20", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	17.28	14.00	12.41
PDL-280	DM LABEL, 0.80" X 0.94", VIN CLOTH, WHT	5000 PC	10000	5000	30000	50000	M	54.01	43.77	38.80
PDL-280-10	DM LABEL, 0.80" X 0.94", VIN CLOTH, WHT	10000 PC	10000	10000	50000	100000	M	42.09	34.11	30.24
PDL-282	DM LABEL, 0.80" X 0.94", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	42.87	34.74	30.80
PDL-285	DM LABEL, 0.90" X 0.25", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	17.59	14.26	12.64
PDL-287	DM LABEL, 0.90" X 0.25", POLYESTER, WHT	5000 PC	40000	5000	30000	50000	M	16.03	12.99	11.51
PDL-288	DM LABEL, 1.00" X 0.75", VIN CLOTH, WHT	5000 PC	20000	5000	30000	50000	M	49.80	40.35	35.78
PDL-291	DM LABEL, 1.00" X 0.94", VIN CLOTH, WHT	5000 PC	20000	5000	30000	50000	M	49.80	40.35	35.78
PDL-293	DM LABEL, 1.00" X 0.94", TEDLAR*, WHT	5000 PC	15000	5000	30000	50000	M	61.56	49.89	44.23
PDL-294	DM LABEL, 1.00" X 1.44", VIN CLOTH, WHT	5000 PC	15000	5000	30000	50000	M	76.32	61.84	54.83
PDL-300	DM LABEL, 2.00" X 0.90", DST PAPER, WHT	1000 PC	8000	1000	5000	10000	M	37.17	30.12	26.70
PDL-301	DM LABEL, 2.00" X 0.90", POLYESTER, WHT	1000 PC	5000	1000	5000	10000	M	91.47	74.12	65.71
PDL-302	DM LABEL, 2.00" X 0.90", POLYESTER, SIL	1000 PC	5000	1000	5000	10000	M	97.84	79.28	70.29
PDL-305	DM LABEL, 2.00" X 1.44", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	158.17	128.17	113.63

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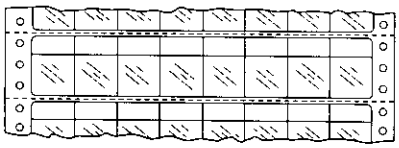
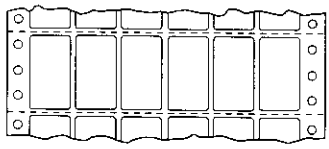
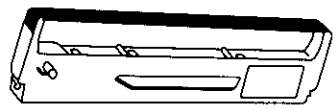


PDL
Self-Laminating Dot-Matrix Labels



PDL
Blank Dot-Matrix Labels



PDLR
Dot-Matrix Indelible Ink Ribbons

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PDL-306	DM LABEL, 2.00" X 1.44", POLYESTER, SIL	1000 PC	4000	1000	5000	10000	M	$ 144.42	$ 117.03	$ 103.75
PDL-308	DM LABEL, 3.00" X 0.90", VIN CLOTH, WHT	1000 PC	3000	1000	5000	10000	M	135.32	109.66	97.21
PDL-310	DM LABEL, 3.00" X 0.90", DST PAPER, WHT	1000 PC	5000	1000	5000	10000	M	68.63	55.61	49.30
PDL-311	DM LABEL, 3.00" X 0.90", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	128.78	104.35	92.51
PDL-315	DM LABEL, 3.00" X 1.44", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	189.90	153.89	136.43
PDL-316	DM LABEL, 3.00" X 1.44", POLYESTER, SIL	1000 PC	4000	1000	5000	10000	M	197.84	160.32	142.13
PDL-318	DM LABEL, 3.00" X 1.90", DST PAPER, WHT	1000 PC	4000	1000	5000	10000	M	109.22	88.51	78.46
PDL-320	DM LABEL, 3.00" X 1.90", POLYESTER, SIL	1000 PC	2000	1000	5000	10000	M	265.85	215.43	190.99
PDL-327	DM LABEL, 3.90" X 1.44", POLYESTER, WHT	1000 PC	3000	1000	5000	10000	M	233.11	188.90	167.46
PDL-340	DM LABEL, 6.00" X 3.94", DST PAPER, WHT	1000 PC	1000	1000	5000	10000	M	560.40	454.12	402.59
PDL-349	DM LABEL, 0.31" X 700", VIN CLOTH, WHT	1 RL		1	5	25	RL	273.63	221.74	196.58
PDL-355	DM LABEL, 0.38" X 700", VIN CLOTH, WHT	1 RL		1	5	25	RL	273.63	221.74	196.58
PDL-358	DM LABEL, 1.50" X 0.25", POLYESTER, WHT	5000 PC	25000	5000	30000	50000	M	18.77	15.21	13.49
PDL-361-1	DM SELF-LAM, 1.50" X 3.63", VINYL, WHT	1000 PC	3000	1000	5000	10000	M	206.89	167.65	148.63
PDL-362-1	DM SELF-LAM, 2.00" X 9.00", VINYL, WHT	1000 PC	1000	1000	5000	10000	M	402.36	326.05	289.05
PDL-363	DM LABEL, 1.00" X 0.50", POLYESTER, CLR	5000 PC	15000	5000	30000	50000	M	30.42	24.65	21.85
PDL-400	DM LABEL, 0.56" X 0.56", POLYESTER, IVY	5000 PC	25000	5000	30000	50000	M	74.61	60.46	53.60
PDL-401	DM LABEL, 0.56" X 0.56", POLYESTER, CLR	5000 PC	25000	5000	30000	50000	M	74.61	60.46	53.60
PDL-401-D	DM LABEL, 0.56" X 0.56", POLYESTER, CLR	500 PC	5000	500	5000	10000	M	134.33	108.85	96.50
PDL-403-1	DM LABEL, 7.50" X 0.50", POLYESTER, WHT	1000 PC		1000	5000	10000	M	327.31	265.24	235.14
PDL-403-1R	DM LABEL, 7.50" X 0.50", POLYESTER, RED	1000 PC		1000	5000	10000	M	391.33	317.11	281.13
PDL-405-D	DM LABEL, 0.56" X 0.19", POLYESTER, WHT	500 PC	10000	1000	5000	10000	M	61.18	49.58	43.95
PDL-408-TL	DM LABEL, 1.95" X 0.40", RIGID VIN, WHT	1 RL		1	4	25	RL	55.14	44.68	39.61
PDL-411-1	MINI-JACK/OPTI-JACK LABEL, DM, CLR	1000 PC	10000	1000	5000	10000	M	59.46	48.18	42.71
PDL-411-1BU	MINI-JACK/OPTI-JACK LABEL, DM, BLU	1000 PC	10000	1000	5000	10000	M	61.09	49.51	43.89
PDL-411-1EI	MINI-JACK/OPTI-JACK LABEL, DM, IVY	1000 PC	10000	1000	5000	10000	M	61.09	49.51	43.89
PDL-411-1GR	MINI-JACK/OPTI-JACK LABEL, DM, GRN	1000 PC	10000	1000	5000	10000	M	61.09	49.51	43.89
PDL-411-1OR	MINI-JACK/OPTI-JACK LABEL, DM, ORN	1000 PC	10000	1000	5000	10000	M	61.09	49.51	43.89
PDL-411-1RD	MINI-JACK/OPTI-JACK LABEL, DM, RED	1000 PC	10000	1000	5000	10000	M	61.09	49.51	43.89
PDL-411-1YL	MINI-JACK/OPTI-JACK LABEL, DM, YEL	1000 PC	10000	1000	5000	10000	M	61.09	49.51	43.89
PDL-412	MINI-JACK/OPTI-JACK LABEL, DM, WHT	1000 PC	10000	1000	5000	10000	M	59.46	48.18	42.71
PDL-500	DM LABEL, NON-ADH RAG TAG, WHT, 1800/RL	1 RL		1	4	25	RL	178.11	144.33	127.95
PDL-501	DM LABEL, NON-ADH RAG TAG, BLU, 1800/RL	1 RL		1	4	25	RL	190.48	154.35	136.84
PDL-629	DM LABEL, 1.50" X 0.25", VINYL, WHT	5000 PC	15000	5000	30000	50000	M	68.76	55.72	49.40
PDL-3523-1	DM SELF-LAM, 1.50" X 2.25", VINYL, WHT	1000 PC	3000	1000	5000	10000	M	100.71	81.61	72.35
PDL-4565-2	DM LABEL, 1.18" X 0.37", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	72.85	59.04	52.34
PDL-4674-1	DM LABEL, 1.13" X 0.53", VIN CLOTH, WHT	20000 PC	20000	20000	40000	100000	M	89.98	72.91	64.64
PDL-5859-1	DM SELF-LAM, 1.13" X 3.75", VINYL, WHT	5000 PC	5000	5000	30000	50000	M	152.60	123.66	109.63
PDL-5859-2	DM SELF-LAM, 0.82" X 2.00", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	78.40	63.53	56.33
PDL-6556-2	DM SELF-LAM, 0.60" X 1.44", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	47.14	38.20	33.86
PDL-6626-10	DM SELF-LAM, 1.20" X 2.25", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	74.59	60.45	53.59
PDL-7572-10R	DM LABEL, 1.63" X 0.38", POLYESTER, SIL	10000 PC		10000	50000	100000	M	43.50	35.25	31.25
PDL-7590	DM SELF-LAM, 2.00" X 4.00", POLY, WHT	1000 PC		1000	5000	10000	M	558.45	452.54	401.19
PDL-7966-10	DM LABEL, 0.30" X 0.20", TEDLAR*, WHT	10000 PC	80000	10000	50000	100000	M	17.47	14.16	12.55
PDL-9025-10	DM SELF-LAM, 1.00" X 1.44", VINYL, WHT	10000 PC	10000	10000	50000	100000	M	48.53	39.32	34.86
PDL-PROG-LT	LABELING SOFTWARE, DOS, LOW VOL APPLIC	1 PC	5	1			PC	132.29		
PDLR-13	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	97.88	79.31	70.31
PDLR-17	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	105.93	85.84	76.10
PDLR-109	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	103.30	83.71	74.21
PDLR-113	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	105.93	85.84	76.10
PDLR-261	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	89.02	72.14	63.95
PDLR-279	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	123.49	100.07	88.71
PDLR-297	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	126.52	102.52	90.89
PDLR-298	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	93.23	75.55	66.98
PDLR-302	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	103.88	84.18	74.63

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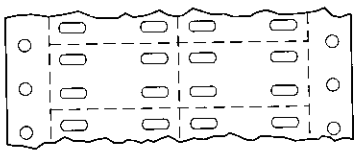

PDP
Dot-Matrix Data Plates

PEIP-A-BL
Inspection Plate

PEIP-D-03
Inspection Plate

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PDLR-339	DOT-MATRIX INDELIBLE INK PRINTER RIBBON	1 PC		1	4	25	PC	$ 143.74	$ 116.48	$ 103.26
PDP-5	DATA PLATE, 2.00" X 0.75", GMH1, 500/RL	1 RL		1	4	25	RL	93.46	75.73	67.14
PDP-6	DATA PLATE, 2.00" X 0.50", GMH1, 500/RL	1 RL		1	4	25	RL	122.86	99.56	88.26
PDP-16	DATA PLATE, 1.75" X 0.75", GMY1, 500/RL	1 RL		1	4	25	RL	77.62	62.90	55.76
PDP-18	DATA PLATE, 2.00" X 0.50", GMY1, 500/RL	1 RL		1	4	25	RL	63.72	51.63	45.78
PDP-19	DATA PLATE, 2.50" X 0.75", GMY1, 500/RL	1 RL		1	4	25	RL	93.44	75.72	67.13
PDP-21	DATA PLATE, 3.00" X 1.00", GMY1, 500/RL	1 RL		1	4	25	RL	89.11	72.21	64.01
PDP-29	DATA PLATE, 2.00" X 0.75", GMV9, 500/RL	1 RL		1	4	25	RL	54.69	44.32	39.29
PDP-30	DATA PLATE, 2.00" X 0.50", GMV9, 500/RL	1 RL		1	4	25	RL	45.38	36.77	32.60
PDP-31	DATA PLATE, 2.50" X 0.75", GMV9, 500/RL	1 RL		1	4	25	RL	60.24	48.81	43.28
PECWL-3-D	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-4-D	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-4-E	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-5-D	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-5-F	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-7-D	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-9	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-9-D	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-10	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-10-D	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-10-E	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWL-12-D	38.1MM X 15.9MM 14 LBL/CD	25 CG	100	1	25	100	C	480.01	332.98	287.57
PECWMS-820	DM LABEL, 0.79" X 0.31", CLOTH, YEL	25 SH	100	25	100		C	594.23	533.67	
PECWMS-820B	DM LABEL, 0.79" X 0.31", CLOTH, BLK/YEL	25 SH	100	25	100		C	716.69	643.65	
PECWMS-915	DM LABEL, 0.59" X 0.35", CLOTH, YEL	25 SH	100	25	100		C	594.23	533.67	
PECWMS-915B	DM LABEL, 0.59" X 0.35", CLOTH, BLK/YEL	25 SH	100	25	100		C	716.69	643.65	
PECWMS-1065BW	DM LABEL, 2.56" X 0.39", CLOTH, BLK/WHT	25 SH	100	25	100		C	698.67	627.46	
PECWMS-1119	DM LABEL, 0.75" X 0.43", CLOTH, YEL	25 SH	100	25	100		C	594.23	533.67	
PECWMS-1119B	DM LABEL, 0.75" X 0.43", CLOTH, BLK/YEL	25 SH	100	25	100		C	716.69	643.65	
PECWMS-1119BW	DM LABEL, 0.75" X 0.43", CLOTH, BLK/WHT	25 SH	100	25	100		C	698.67	627.46	
PECWMS-1138	DM LABEL, 1.50" X 0.43", CLOTH, YEL	25 SH	100	25	100		C	594.23	533.67	
PECWMS-1138B	DM LABEL, 1.50" X 0.43", CLOTH, BLK/YEL	25 SH	100	25	100		C	716.69	643.65	
PECWMS-1138BW	DM LABEL, 1.50" X 0.43", CLOTH, BLK/WHT	25 SH	100	25	100		C	698.67	627.46	
PECWMS-1442BW	DM LABEL, 1.65" X 0.55", CLOTH, BLK/WHT	25 SH	100	25	100		C	698.67	627.46	
PECWMS-2256B	DM LABEL, 2.20" X 0.87", CLOTH, BLK/YEL	25 SH	100	25	100		C	716.69	643.65	
PECWMS-2256BW	DM LABEL, 2.20" X 0.87", CLOTH, BLK/WHT	25 SH	100	25	100		C	698.67	627.46	
PECWMS-3560B	DM LABEL, 2.36" X 1.38", CLOTH, BLK/YEL	25 SH	100	25	100		C	716.69	643.65	
PEDL-820	DM LABEL, 0.79" X 0.31", CLOTH, YEL	5000 PC		5000	30000	50000	M	57.56	46.64	41.35
PEDL-915	DM LABEL, 0.59" X 0.35", CLOTH, YEL	5000 PC		5000	30000	50000	M	43.03	34.87	30.91
PEDL-1119	DM LABEL, 0.75" X 0.43", CLOTH, YEL	5000 PC	15000	5000	30000	50000	M	76.79	62.22	55.16
PEDL-1138	DM LABEL, 1.50" X 0.43", CLOTH, YEL	5000 PC		5000	30000	50000	M	138.23	112.01	99.30
PEDL-2256	DM LABEL, 2.20" X 0.87", CLOTH, YEL	1000 PC		1000	5000	10000	M	323.00	261.74	232.04
PEIP-A-01	INSPECTION PLATE, 15MM, YEAR=01, WHT/GRN	10 CG	200	10	50	100	C	482.30	334.57	288.94
PEIP-A-02	INSPECTION PLATE, 15MM, YEAR=02, WHT/BLU	10 CG	100	10	50	100	C	482.30	334.57	288.94
PEIP-A-03	INSPECTION PLATE, 15MM, YEAR=03, WHT/RED	10 CG	100	10	50	100	C	482.30	334.57	288.94
PEIP-A-04	INSPECTION PLATE, 15MM, YEAR=04, WHT/BRN	10 CG	100	10	50	100	C	482.30	334.57	288.94
PEIP-A-BL	INSPECTION PLATE, 15MM, WHT/BLU	10 CG	100	10	50	100	C	506.40	351.29	303.39
PEIP-A-OR	INSPECTION PLATE, 15MM, WHT/ORN	10 CG	100	10	50	100	C	506.40	351.29	303.39
PEIP-A-YE	INSPECTION PLATE, 15MM, WHT/YEL	10 CG	100	10	50	100	C	506.40	351.29	303.39
PEIP-D-01	INSPECTION PLATE, 35MM, YEAR=01, WHT/GRN	10 CG	100	10	50	100	C	501.34	347.78	300.35
PEIP-D-02	INSPECTION PLATE, 35MM, YEAR=02, WHT/BLU	10 CG	100	10	50	100	C	501.34	347.78	300.35
PEIP-D-03	INSPECTION PLATE, 35MM, YEAR=03, WHT/RED	10 CG	100	10	50	100	C	501.34	347.78	300.35
PEIP-D-04	INSPECTION PLATE, 35MM, YEAR=04, WHT/BRN	10 CG	100	10	50	100	C	501.34	347.78	300.35
PEIP-S-D-1	INSPECTION PLATE BASE, 40MM X 92MM, B/W	10 CG	200	10	50	100	C	246.11	170.72	147.44
PEIP-S-D-2	INSPECTION PLATE BASE, 40MM X 92MM, B/W	10 CG	200	10	50	100	C	246.11	170.72	147.44

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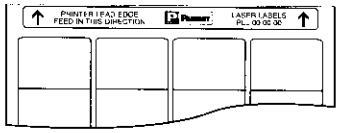
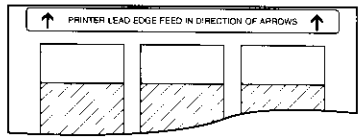
Effective Date: March 23, 2001



PEL
Blank Laser Labels



PEL
Self-Laminating Laser Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PEL-1-ORN-10	LSR LABEL, 0.70" X 0.25", POLYESTER, ORN	10000 PC	60000	10000	50000	100000	M	$ 18.43	$ 14.93	$ 13.24
PEL-1-Y1-10	LSR LABEL, 0.70" X 0.25", POLYESTER, SIL	10000 PC	60000	10000	50000	100000	M	16.76	13.58	12.04
PEL-1-Y2-10	LSR LABEL, 0.70" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	13.02	10.55	9.35
PEL-2-Y1-10	LSR LABEL, 1.00" X 0.25", POLYESTER, SIL	10000 PC	60000	10000	50000	100000	M	26.69	21.63	19.18
PEL-2-Y2-10	LSR LABEL, 1.00" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	16.16	13.10	11.61
PEL-2-Y2Y-10	LSR LABEL, 1.00" X 0.25", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	20.83	16.88	14.96
PEL-2-Y3M-10	LSR LABEL, 1.00" X 0.25", POLYESTER, CLR	10000 PC	60000	10000	50000	100000	M	25.70	20.83	18.46
PEL-3-Y1-5	LSR LABEL, 1.40" X 0.25", POLYESTER, SIL	5000 PC	30000	5000	30000	50000	M	36.92	29.92	26.53
PEL-3-Y2-5	LSR LABEL, 1.40" X 0.25", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	20.86	16.91	14.99
PEL-4-ORN-10	LSR LABEL, 0.70" X 0.33", POLYESTER, ORN	10000 PC	60000	10000	50000	100000	M	25.21	20.43	18.11
PEL-4-Y1-10	LSR LABEL, 0.70" X 0.33", POLYESTER, SIL	10000 PC	60000	10000	50000	100000	M	26.00	21.07	18.68
PEL-4-Y1C-10	LSR LABEL, 0.70" X 0.33", TE POLY, SIL	10000 PC	60000	10000	50000	100000	M	30.50	24.72	21.91
PEL-4-Y2-10	LSR LABEL, 0.70" X 0.33", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	13.02	10.55	9.35
PEL-4-Y2Y-10	LSR LABEL, 0.70" X 0.33", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	26.47	21.45	19.01
PEL-5-Y1-10	LSR LABEL, 0.80" X 0.33", POLYESTER, SIL	10000 PC	60000	10000	50000	100000	M	28.22	22.87	20.28
PEL-5-Y2-10	LSR LABEL, 0.80" X 0.33", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	22.83	18.50	16.40
PEL-5-Y2Y-10	LSR LABEL, 0.80" X 0.33", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	25.11	20.35	18.04
PEL-6-Y1-5	LSR LABEL, 1.00" X 0.33", POLYESTER, SIL	5000 PC	30000	5000	30000	50000	M	35.51	28.78	25.51
PEL-6-Y1C-5	LSR LABEL, 1.00" X 0.33", TE POLY, SIL	5000 PC	30000	5000	30000	50000	M	41.78	33.85	30.01
PEL-6-Y2-5	LSR LABEL, 1.00" X 0.33", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	34.50	27.96	24.79
PEL-7-Y1-5	LSR LABEL, 1.50" X 0.33", POLYESTER, SIL	5000 PC	30000	5000	30000	50000	M	51.92	42.07	37.30
PEL-7-Y2-5	LSR LABEL, 1.50" X 0.33", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	17.73	14.37	12.74
PEL-7-Y2Y-5	LSR LABEL, 1.50" X 0.33", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	28.12	22.79	20.20
PEL-7-Y3M-5	LSR LABEL, 1.50" X 0.33", POLYESTER, CLR	5000 PC	30000	5000	30000	50000	M	49.97	40.50	35.90
PEL-8-Y1-2.5	LSR LABEL, 2.00" X 0.33", POLYESTER, SIL	2500 PC	15000	2500	30000	50000	M	99.63	80.74	71.58
PEL-8-Y1C-2.5	LSR LABEL, 2.00" X 0.33", TE POLY, SIL	2500 PC	15000	2500	30000	50000	M	72.00	58.35	51.73
PEL-8-Y2-2.5	LSR LABEL, 2.00" X 0.33", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	69.50	56.32	49.93
PEL-9-Y1-10	LSR LABEL, 0.50" X 0.50", POLYESTER, SIL	10000 PC	60000	10000	50000	100000	M	22.74	18.43	16.34
PEL-9-Y1C-10	LSR LABEL, 0.50" X 0.50", TE POLY, SIL	10000 PC	60000	10000	50000	100000	M	38.96	31.57	27.99
PEL-9-Y2-10	LSR LABEL, 0.50" X 0.50", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	22.06	17.88	15.85
PEL-10-Y1-5	LSR LABEL, 0.70" X 0.50", POLYESTER, SIL	5000 PC	30000	5000	30000	50000	M	30.82	24.97	22.14
PEL-10-Y2-5	LSR LABEL, 0.70" X 0.50", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	32.99	26.73	23.70
PEL-10-Y2Y-5	LSR LABEL, 0.70" X 0.50", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	37.71	30.55	27.09
PEL-10-Y3M-5	LSR LABEL, 0.70" X 0.50", POLYESTER, CLR	5000 PC	30000	5000	30000	50000	M	35.64	28.88	25.60
PEL-11-Y1-5	LSR LABEL, 1.00" X 0.50", POLYESTER, SIL	5000 PC	30000	5000	30000	50000	M	33.81	27.40	24.29
PEL-11-Y1C-5	LSR LABEL, 1.00" X 0.50", TE POLY, SIL	5000 PC	30000	5000	30000	50000	M	56.08	45.44	40.29
PEL-11-Y2-5	LSR LABEL, 1.00" X 0.50", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	27.00	21.88	19.40
PEL-11-Y2Y-5	LSR LABEL, 1.00" X 0.50", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	39.34	31.88	28.26
PEL-12-Y1-2.5	LSR LABEL, 1.50" X 0.50", POLYESTER, SIL	2500 PC	15000	2500	30000	50000	M	102.66	83.19	73.75
PEL-12-Y2-2.5	LSR LABEL, 1.50" X 0.50", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	59.89	48.53	43.03
PEL-12-Y2Y-2.5	LSR LABEL, 1.50" X 0.50", POLYESTER, YEL	2500 PC	15000	2500	30000	50000	M	75.41	61.11	54.18
PEL-13-Y1-2.5	LSR LABEL, 2.00" X 0.50", POLYESTER, SIL	2500 PC	15000	2500	30000	50000	M	125.09	101.36	89.86
PEL-13-Y2-2.5	LSR LABEL, 2.00" X 0.50", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	101.34	82.12	72.80
PEL-14-Y1-1	LSR LABEL, 2.00" X 0.83", POLYESTER, SIL	1000 PC	6000	1000	5000	10000	M	188.77	152.97	135.61
PEL-14-Y2-1	LSR LABEL, 2.00" X 0.83", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	182.79	148.12	131.31
PEL-15-Y1-1	LSR LABEL, 2.00" X 1.00", POLYESTER, SIL	1000 PC	6000	1000	5000	10000	M	216.39	175.35	155.45
PEL-15-Y1C-1	LSR LABEL, 2.00" X 1.00", TE POLY, SIL	1000 PC	6000	1000	5000	10000	M	254.27	206.04	182.66
PEL-15-Y2-1	LSR LABEL, 2.00" X 1.00", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	177.95	144.20	127.84
PEL-15-Y2Y-1	LSR LABEL, 2.00" X 1.00", POLYESTER, YEL	1000 PC	6000	1000	5000	10000	M	195.75	158.63	140.63
PEL-16-Y1-0.5	LSR LABEL, 2.50" X 1.33", POLYESTER, SIL	500 PC	3000	500	5000	10000	M	284.61	230.63	204.46
PEL-16-Y1C-0.5	LSR LABEL, 2.50" X 1.33", TE POLY, SIL	500 PC	3000	500	5000	10000	M	335.32	271.72	240.89
PEL-16-Y2-0.5	LSR LABEL, 2.50" X 1.33", POLYESTER, WHT	500 PC	3000	500	5000	10000	M	173.93	140.94	124.95
PEL-17-BLU-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, BLU	2500 PC	15000	2500	30000	50000	M	89.42	72.46	64.24
PEL-17-BRN-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, BRN	2500 PC	15000	2500	30000	50000	M	89.42	72.46	64.24
PEL-17-GRN-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, GRN	2500 PC	15000	2500	30000	50000	M	89.42	72.46	64.24

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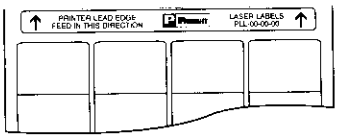
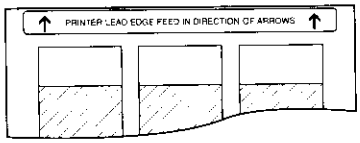
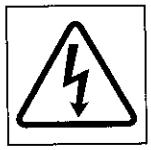


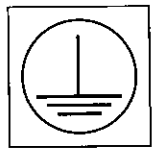
PEL
Blank Laser Labels



PEL
Self-Laminating Laser Labels



PESC-H-AT
Electrical Label



PESC-H-EC
Electrical Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PEL-17-GRY-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, GRY	2500 PC	15000	2500	30000	50000	M	$ 89.42	$ 72.46	$ 64.24
PEL-17-ORN-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, ORN	2500 PC	15000	2500	30000	50000	M	89.42	72.46	64.24
PEL-17-PUR-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, PUR	2500 PC	15000	2500	30000	50000	M	89.42	72.46	64.24
PEL-17-RED-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, RED	2500 PC	15000	2500	30000	50000	M	89.42	72.46	64.24
PEL-17-YEL-2.5	LSR SELF-LAM, 0.70" X 1.33", POLYES, YEL	2500 PC	15000	2500	30000	50000	M	82.09	66.52	58.98
PEL-18-BLU-1	LSR SELF-LAM, 0.90" X 2.17", POLYES, BLU	1000 PC	6000	1000	5000	10000	M	151.76	122.98	109.03
PEL-18-BRN-1	LSR SELF-LAM, 0.90" X 2.17", POLYES, BRN	1000 PC	6000	1000	5000	10000	M	151.76	122.98	109.03
PEL-18-GRN-1	LSR SELF-LAM, 0.90" X 2.17", POLYES, GRN	1000 PC	6000	1000	5000	10000	M	151.76	122.98	109.03
PEL-18-GRY-1	LSR SELF-LAM, 0.90" X 2.17", POLYES, GRY	1000 PC	6000	1000	5000	10000	M	151.76	122.98	109.03
PEL-18-ORN-1	LSR SELF-LAM, 0.90" X 2.17", POLYES, ORN	1000 PC	6000	1000	5000	10000	M	151.76	122.98	109.03
PEL-18-RED-1	LSR SELF-LAM, 0.90" X 2.17", POLYES, RED	1000 PC	6000	1000	5000	10000	M	151.76	122.98	109.03
PEL-18-YEL-1	LSR SELF-LAM, 0.90" X 2.17", POLYES, YEL	1000 PC	6000	1000	5000	10000	M	151.76	122.98	109.03
PEL-19-BLU-1	LSR SELF-LAM, 1.00" X 2.67", POLYES, BLU	1000 PC	6000	1000	5000	10000	M	248.77	201.59	178.71
PEL-19-GRN-1	LSR SELF-LAM, 1.00" X 2.67", POLYES, GRN	1000 PC	6000	1000	5000	10000	M	248.77	201.59	178.71
PEL-19-ORN-1	LSR SELF-LAM, 1.00" X 2.67", POLYES, ORN	1000 PC	6000	1000	5000	10000	M	248.77	201.59	178.71
PEL-19-RED-1	LSR SELF-LAM, 1.00" X 2.67", POLYES, RED	1000 PC	6000	1000	5000	10000	M	248.77	201.59	178.71
PEL-19-YEL-1	LSR SELF-LAM, 1.00" X 2.67", POLYES, YEL	1000 PC	6000	1000	5000	10000	M	248.77	201.59	178.71
PEL-21-BLU-0.5	LSR SELF-LAM, 1.40" X 3.67", POLYES, BLU	500 PC	3000	500	5000	10000	M	472.97	383.27	339.78
PEL-21-RED-0.5	LSR SELF-LAM, 1.40" X 3.67", POLYES, RED	500 PC	3000	500	5000	10000	M	472.78	383.11	339.64
PEL-21-YEL-0.5	LSR SELF-LAM, 1.40" X 3.67", POLYES, YEL	500 PC	3000	500	5000	10000	M	472.97	383.27	339.78
PEL-24-Y2Y-10	LSR LABEL, 0.79" X 0.31", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	39.34	31.88	28.26
PEL-25-Y2Y-10	LSR LABEL, 0.35" X 0.59", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	35.10	28.44	25.21
PEL-26-Y2Y-5	LSR LABEL, 0.43" X 0.75", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	47.73	38.68	34.29
PEL-27-Y2Y-5	LSR LABEL, 0.43" X 1.50", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	99.84	80.91	71.73
PEL-28-Y2-5	LSR LABEL, 0.56" X 0.56", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	35.13	28.47	25.24
PEL-29-Y2-10	LSR LABEL, 0.56" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	15.49	12.55	11.13
PEL-30-BLU-1	LSR LABEL, 0.90" X 2.17", POLYESTER, BLU	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-30-BRN-1	LSR LABEL, 0.90" X 2.17", POLYESTER, BRN	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-30-GRN-1	LSR LABEL, 0.90" X 2.17", POLYESTER, GRN	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-30-GRY-1	LSR LABEL, 0.90" X 2.17", POLYESTER, GRY	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-30-ORN-1	LSR LABEL, 0.90" X 2.17", POLYESTER, ORN	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-30-PUR-1	LSR LABEL, 0.90" X 2.17", POLYESTER, PUR	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-30-RED-1	LSR LABEL, 0.90" X 2.17", POLYESTER, RED	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-30-YEL-1	LSR LABEL, 0.90" X 2.17", POLYESTER, YEL	1000 PC	6000	1000	5000	10000	M	144.54	117.13	103.84
PEL-A4-Y1-25	LSR LABEL, 8.27" X 11.69", POLYESTR, SIL	25 SH	150	25	100	500	C	528.47	428.25	379.65
PEL-A4-Y1C-25	LSR LABEL, 8.27" X 11.69", TE POLY, SIL	25 SH	150	25	100	500	C	493.85	400.19	354.78
PEL-A4-Y2-25	LSR LABEL, 8.27" X 11.69", POLYESTR, WHT	25 SH	150	25	100	500	C	368.51	298.62	264.74
PEL-A4-Y2Y-25	LSR LABEL, 8.27" X 11.69", POLYESTR, YEL	25 SH	150	25	100	500	C	641.24	519.63	460.66
PEL-A4-Y3-25	LSR LABEL, 8.27" X 11.69", POLYESTR, CLR	25 SH	150	25	100	500	C	493.85	400.19	354.78
PEL-A4-Y3M-25	LSR LABEL, 8.27" X 11.69", POLYESTR, CLR	25 SH	150	25	100	500	C	493.85	400.19	354.78
PES-S1	CIRCUIT BREAKER DIRECTORY SIGN, PAPER	1 PK	20	1	5	10	PK	11.95	11.10	9.70
PESC-A-220V	VOLT MKR, B/Y, 228MM X 57MM, '220 VOLT'	5 CG	50	5	50	250	C	472.18	404.32	353.43
PESC-B-230V	VOLT MKR, B/Y, 114MM X 26MM, '230 VOLT'	5 CG	50	5	50	250	C	472.18	404.32	353.43
PESC-C-230V	VOLT MKR, B/Y, 57MM X 13MM, '230 VOLT'	5 CG	50	5	50	250	C	472.18	404.32	353.43
PESC-D-24V	VOLT MKR, B/Y, 28.5MM X 13MM, '24 VOLT'	5 CG	50	5	50	250	C	472.18	404.32	353.43
PESC-D-110V	VOLT MKR, B/Y, 28.5MM X 13MM, '110 VOLT'	5 CG	50	5	50	250	C	472.18	404.32	353.43
PESC-D-230V	VOLT MKR, B/Y, 28.5MM X 13MM, '230 VOLT'	5 CG	50	5	50	250	C	472.18	404.32	353.43
PESC-D-400V	VOLT MKR, B/Y, 28.5MM X 13MM, '400 VOLT'	5 CG	50	5	50	250	C	472.18	404.32	353.43
PESC-H-AT	ELECT SYMBOL MKR, 13MM X 13MM, BLK/YEL	10 CG	100	10	50	100	C	659.07	457.20	394.85
PESC-H-E	ELECT SYMBOL MKR, 13MM X 13MM, BLK/YEL	10 CG	200	10	50	100	C	659.07	457.20	394.85
PESC-H-EC	ELECT SYMBOL MKR, 13MM X 13MM, BLK/YEL	10 CG	200	10	50	100	C	659.07	457.20	394.85
PESC-J-AT	ELECT SYMBOL MKR, 19MM X 19MM, BLK/YEL	10 CG	100	10	50	100	C	659.07	457.20	394.85
PESC-J-EC	ELECT SYMBOL MKR, 19MM X 19MM, BLK/YEL	10 CG	100	10	50	100	C	659.07	457.20	394.85
PESF-D-1	ISO FIRE EQUIP SYMBOL, 100MM X 100MM, WHT/ RED	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESF-D-2	ISO FIRE EQUIP SYMBOL, 100MM X 100MM, WHT/ RED	10 CG	100	10	50	100	C	534.55	370.82	320.25

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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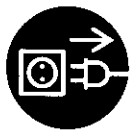
All prices subject to change without notice.

Effective Date: March 23, 2001



PESG-*-1
ISO Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESF-D-3	ISO FIRE EQUIP SYMBOL, 100MM X 100MM, WHT/ RED	10 CG	100	10	50	100	C	$ 534.55	$ 370.82	$ 320.25
PESF-D-4	ISO FIRE EQUIP SYMBOL, 100MM X 100MM, WHT/ RED	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESF-D-5	ISO FIRE EQUIP SYMBOL, 100MM X 100MM, WHT/ RED	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESF-E-1	ISO FIRE EQUIP SYMBOL, 200MM X 200MM, WHT/ RED	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESF-E-2	ISO FIRE EQUIP SYMBOL, 200MM X 200MM, WHT/ RED	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESF-E-3	ISO FIRE EQUIP SYMBOL, 200MM X 200MM, WHT/ RED	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESF-E-4	ISO FIRE EQUIP SYMBOL, 200MM X 200MM, WHT/ RED	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESF-E-5	ISO FIRE EQUIP SYMBOL, 200MM X 200MM, WHT/ RED	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-A-1	ISO MANDATORY LABEL, 12.5MM DIA, WHT/BLU	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESG-B-1	ISO MANDATORY LABEL, 25MM DIA, WHT/BLU	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESG-C-1	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-2	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-3	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-4	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-5	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-6	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-7	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-8	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-9	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-10	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-11	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-12	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-13	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-14	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-15	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-16	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-17	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-18	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-19	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-20	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-21	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-22	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-23	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-24	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-25	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-C-26	ISO MANDATORY LABEL, 50MM DIA, WHT/BLU	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESG-D-1	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-2	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-3	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-4	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-5	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-6	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-7	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-8	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-9	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-10	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-11	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-12	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-13	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-14	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-15	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-16	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-17	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-18	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-19	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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PESG-*-7
ISO Label

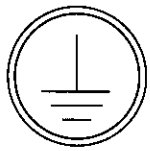
Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESG-D-20	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	$ 534.55	$ 370.82	$ 320.25
PESG-D-21	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-22	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-23	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-24	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-D-25	ISO MANDATORY LABEL, 100MM DIA, WHT/BLU	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESG-E-2	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-3	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-4	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-5	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-6	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-7	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-8	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-9	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-10	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-11	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-12	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-13	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-14	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-15	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-16	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-17	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-18	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-19	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-20	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-21	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-22	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-23	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-24	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESG-E-25	ISO MANDATORY LABEL, 200MM DIA, WHT/BLU	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-D-1	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESH-D-2	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESH-D-3	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESH-D-4	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESH-D-5	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESH-D-6	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESH-D-7	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESH-D-8	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	1183.64	821.08	709.12
PESH-D-9	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	1183.64	821.08	709.12
PESH-D-10	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	1183.64	821.08	709.12
PESH-D-11	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	1183.64	821.08	709.12
PESH-D-12	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	1183.64	821.08	709.12
PESH-D-13	ISO SAFE PROC SYM, 100MM X 100MM, WHT/GRN	10 CG	100	10	50	100	C	1183.64	821.08	709.12
PESH-E-1	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-E-2	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-E-3	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-E-4	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-E-5	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-E-6	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-E-7	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESH-E-8	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	2138.17	1483.24	1280.98
PESH-E-9	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	2138.17	1483.24	1280.98
PESH-E-10	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	2138.17	1483.24	1280.98
PESH-E-11	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	2138.17	1483.24	1280.98
PESH-E-12	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	2138.17	1483.24	1280.98

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

Effective Date: March 23, 2001

PESS-*-CE
Conductor Label

PESS-*-L1
Conductor Label



PESS-*-SS
Conductor Label

PESV-*-1
ISO Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESH-E-13	ISO SAFE PROC SYM, 200MM X 200MM, WHT/GRN	10 CG	100	10	50	100	C	$ 2138.17	$ 1483.24	$ 1280.98
PESS-A-CE	CONDUCTOR ID LABEL, 12.5MM DIA, CE SYM	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-ES	CONDUCTOR ID LABEL, 12.5MM DIA, EARTH SYM	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-L1	CONDUCTOR ID LABEL, 12.5MM DIA, 'L1'	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-L2	CONDUCTOR ID LABEL, 12.5MM DIA, 'L2'	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-L3	CONDUCTOR ID LABEL, 12.5MM DIA, 'L3'	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-N	CONDUCTOR ID LABEL, 12.5MM DIA, 'N'	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-PE	CONDUCTOR ID LABEL, 12.5MM DIA, 'PE'	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-PEN	CONDUCTOR ID LABEL, 12.5MM DIA, 'PEN'	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-SG	CONDUCTOR ID LABEL, 12.5MM DIA, GND SYM	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-A-SS	CONDUCTOR ID LABEL, 12.5MM DIA, SAFETY	10 CG	100	10	50	100	C	325.16	225.56	194.81
PESS-B-CE	CONDUCTOR ID LABEL, 16MM DIA, CE SYM	10 CG	100	10	50	100	C	394.92	273.95	236.59
PESS-B-ES	CONDUCTOR ID LABEL, 16MM DIA, EARTH SYM	10 CG	100	10	50	100	C	394.92	273.95	236.59
PESS-B-L1	CONDUCTOR ID LABEL, 16MM DIA, 'L1'	10 CG	100	10	50	100	C	394.92	273.95	236.59
PESS-B-L2	CONDUCTOR ID LABEL, 16MM DIA, 'L2'	10 CG	100	10	50	100	C	394.92	273.95	236.59
PESS-B-L3	CONDUCTOR ID LABEL, 16MM DIA, 'L3'	10 CG	100	10	50	100	C	394.92	273.95	236.59
PESS-B-N	CONDUCTOR ID LABEL, 16MM DIA, 'N'	10 CG	100	10	50	100	C	394.92	273.95	236.59
PESS-B-SS	CONDUCTOR ID LABEL, 16MM DIA, SAFETY	10 CG	100	10	50	100	C	394.92	273.95	236.59
PESS-C-CE	CONDUCTOR ID LABEL, 20MM DIA, CE SYM	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-ES	CONDUCTOR ID LABEL, 20MM DIA, EARTH SYM	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-L1	CONDUCTOR ID LABEL, 20MM DIA, 'L1'	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-L2	CONDUCTOR ID LABEL, 20MM DIA, 'L2'	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-L3	CONDUCTOR ID LABEL, 20MM DIA, 'L3'	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-N	CONDUCTOR ID LABEL, 20MM DIA, 'N'	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-PE	CONDUCTOR ID LABEL, 20MM DIA, 'PE'	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-PEN	CONDUCTOR ID LABEL, 20MM DIA, 'PEN'	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-C-SS	CONDUCTOR ID LABEL, 20MM DIA, SAFETY	10 CG	100	10	50	100	C	254.61	176.62	152.54
PESS-D-CE	CONDUCTOR ID LABEL, 25MM DIA, CE SYM	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-D-ES	CONDUCTOR ID LABEL, 25MM DIA, EARTH SYM	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-D-L1	CONDUCTOR ID LABEL, 25MM DIA, 'L1'	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-D-L2	CONDUCTOR ID LABEL, 25MM DIA, 'L2'	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-D-L3	CONDUCTOR ID LABEL, 25MM DIA, 'L3'	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-D-N	CONDUCTOR ID LABEL, 25MM DIA, 'N'	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-D-PEN	CONDUCTOR ID LABEL, 25MM DIA, 'PEN'	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-D-SS	CONDUCTOR ID LABEL, 25MM DIA, SAFETY	10 CG	100	10	50	100	C	294.86	204.54	176.65
PESS-E-CE	CONDUCTOR ID LABEL, 31.5MM DIA, CE SYM	10 CG	100	10	50	100	C	358.49	248.68	214.77
PESS-E-ES	CONDUCTOR ID LABEL, 31.5MM DIA, EARTH SYM	10 CG	100	10	50	100	C	358.49	248.68	214.77
PESS-E-L1	CONDUCTOR ID LABEL, 31.5MM DIA, 'L1'	10 CG	100	10	50	100	C	358.49	248.68	214.77
PESS-E-L2	CONDUCTOR ID LABEL, 31.5MM DIA, 'L2'	10 CG	100	10	50	100	C	358.49	248.68	214.77
PESS-E-L3	CONDUCTOR ID LABEL, 31.5MM DIA, 'L3'	10 CG	100	10	50	100	C	358.49	248.68	214.77
PESS-E-N	CONDUCTOR ID LABEL, 31.5MM DIA, 'N'	10 CG	100	10	50	100	C	358.49	248.68	214.77
PESS-E-PEN	CONDUCTOR ID LABEL, 31.5MM DIA, 'PEN'	10 CG	100	10	50	100	C	358.49	248.68	214.77
PESV-C-1	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-2	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-3	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-4	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-5	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-6	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-7	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-8	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-9	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-10	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-11	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-12	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-13	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02

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Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PESV-*-7
ISO Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESV-C-14	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	$ 410.66	$ 284.87	$ 246.02
PESV-C-15	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-16	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-17	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-18	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-19	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-20	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-21	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-22	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-23	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-24	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-C-25	ISO PROHIBITION SYMBOL,50MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	410.66	284.87	246.02
PESV-D-1	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-2	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-3	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-4	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-5	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-6	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-7	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-8	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-9	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-10	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-11	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-12	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-13	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-14	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-15	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-16	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-17	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-18	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-19	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-20	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-21	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-22	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-23	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-24	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-D-25	ISO PROHIBITION SYMBOL,100MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	534.55	370.82	320.25
PESV-E-1	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-2	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-3	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-4	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-5	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-6	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-7	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-8	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-9	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-10	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-11	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-12	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-13	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-14	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-15	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-16	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-17	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-18	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PESW-*-1
ISO Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESV-E-19	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	$ 1069.09	$ 741.62	$ 640.49
PESV-E-20	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-21	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-22	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-23	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-24	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESV-E-25	ISO PROHIBITION SYMBOL,200MM DIA, RED/BLK/WHT	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-A-1	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	200	10	50	100	C	361.35	250.67	216.48
PESW-A-1J	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-2	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-2J	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-3	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-3J	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-4	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-4J	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-5	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-5J	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-6	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-7	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-8	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	200	10	50	100	C	361.35	250.67	216.48
PESW-A-9	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	200	10	50	100	C	361.35	250.67	216.48
PESW-A-10	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-11	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-12	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-13	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-14	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-15	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-16	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-17	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-18	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-19	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-20	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-21	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-22	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-23	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-24	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-25	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-26	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-27	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-28	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-29	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-30	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-A-31	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	100	10	50	100	C	361.35	250.67	216.48
PESW-AA-11	ISO PROHIBITION SYMBOL,13MM TRI, BLK/YEL	10 CG	200	10	50	100	C	467.09	324.02	279.83
PESW-B-1	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	200	10	50	100	C	388.48	269.48	232.74
PESW-B-1J	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-2	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-2J	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-3	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-3J	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-4	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-4J	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-5	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-5J	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-6	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74

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PESW-*-1
ISO Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESW-B-7	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	$ 388.48	$ 269.48	$ 232.74
PESW-B-8	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	200	10	50	100	C	388.48	269.48	232.74
PESW-B-9	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	200	10	50	100	C	388.48	269.48	232.74
PESW-B-10	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-11	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-12	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-13	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-14	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-15	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-16	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-17	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-18	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-19	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-20	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-21	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-22	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-23	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-24	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-25	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-26	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-27	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-28	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-29	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-30	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-B-31	ISO PROHIBITION SYMBOL,25MM TRI, BLK/YEL	10 CG	100	10	50	100	C	388.48	269.48	232.74
PESW-C-1	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	200	10	50	100	C	821.33	569.75	492.06
PESW-C-2	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-3	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-4	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-5	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-6	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-7	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-8	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-9	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-10	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-11	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-12	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-13	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-14	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-15	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-16	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-17	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-18	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-19	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-20	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-21	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-22	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-23	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-24	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-25	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-26	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-27	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-28	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-29	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06
PESW-C-30	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	821.33	569.75	492.06

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PESW-*-1
ISO Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESW-C-31	ISO PROHIBITION SYMBOL,50MM TRI, BLK/YEL	10 CG	100	10	50	100	C	$ 821.33	$ 569.75	$ 492.06
PESW-D-1	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	200	10	50	100	C	1603.64	1112.43	960.74
PESW-D-2	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-3	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-4	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-5	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-6	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-7	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-8	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-9	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-10	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-11	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-12	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-13	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-14	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-15	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-16	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-17	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-18	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-19	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-20	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-21	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-22	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-23	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-24	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-25	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-26	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-27	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-28	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-29	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-30	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-D-31	ISO PROHIBITION SYMBOL,100MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1603.64	1112.43	960.74
PESW-E-1	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	200	10	50	100	C	1069.09	741.62	640.49
PESW-E-2	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-3	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-4	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-5	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-6	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-7	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-8	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-9	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-10	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-11	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-12	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-13	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-14	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-15	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-16	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-17	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-18	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-19	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-20	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-21	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-22	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-23	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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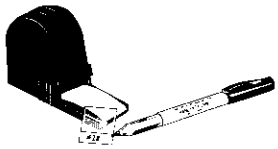
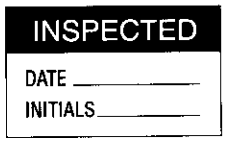
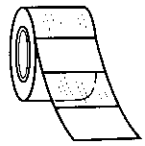


PLD-1
Self-Laminating Marker Dispenser



PLD-28
Dispenser Label



PLDR-1
Self-Lam Refill Roll

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PESW-E-24	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	$ 1069.09	$ 741.62	$ 640.49
PESW-E-25	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-26	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-27	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-28	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-29	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-30	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PESW-E-31	ISO PROHIBITION SYMBOL,200MM TRI, BLK/YEL	10 CG	100	10	50	100	C	1069.09	741.62	640.49
PJIBM-COM	MINI-JACK ICON MARKER BOOK, 10 PG/BK	1 BK	10	1	10		BK	22.44	20.15	
PJIBM-COMS	MINI-JACK ICON MARKER BOOK, 10 PG/BK	1 BK	10	1	10		BK	22.44	20.15	
PJIBM-D	MINI-JACK ICON MARKER BOOK, 10 PG/BK	1 BK	10	1	10		BK	22.44	20.15	
PJIBM-DS	MINI-JACK ICON MARKER BOOK, 10 PG/BK	1 BK	10	1	10		BK	22.44	20.15	
PJIBM-LAN	MINI-JACK ICON MARKER BOOK, 10 PG/BK	1 BK	10	1	10		BK	22.44	20.15	
PJIBM-V	MINI-JACK ICON MARKER BOOK, 10 PG/BK	1 BK	10	1	10		BK	22.44	20.15	
PJIBM-VS	MINI-JACK ICON MARKER BOOK, 10 PG/BK	1 BK	10	1	10		BK	22.44	20.15	
PJL-PO-1	PAN-JACK LABEL, DM, WHT	1000 PC	10000	1000	5000	10000	M	46.55	37.72	33.44
PJL-PO-1B	PAN-JACK LABEL, DM, BLU	1000 PC	10000	1000	5000	10000	M	50.49	40.92	36.28
PJL-PO-1R	PAN-JACK LABEL, DM, RED	1000 PC	10000	1000	5000	10000	M	50.49	40.92	36.28
PLD-1	SELF-LAM MARKER DISPENSER, 1.0" X 1.5"	1 KT	10	1	5		KT	24.08	21.63	
PLD-2	SELF-LAM MARKER DISPENSER, 1.0" X 3.0"	1 KT	10	1	5		KT	24.08	21.63	
PLD-3	DISP LABEL, 'CALIBRATION', GRN/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-4	DISP LABEL, 'ACCEPTED', GRN/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-7	DISP LABEL, 'TESTED', GRN/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-11	DISP LABEL, 'DO NOT USE AFTER', RED/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-12	DISP LABEL, 'CIRCUIT NO', GLD/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-16	DISP LABEL, 'REPAIRED BY', GLD/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-17	DISP LABEL, BLANK, WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-28	DISP LABEL, 'INSPECTED', BLK/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-36	DISP LABEL, 'CAUTION 120V', BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-37	DISP LABEL, 'CAUTION 220V', BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-38	DISP LABEL, 'CAUTION 240V', BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-43	DISP LABEL, 'DANGER HIGH VOLTAGE', R/B/W	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-52	DISP LABEL, ATTENTION SYMBOL, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-56	DISP LABEL, HIGH VOLTAGE SYM, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-57	DISP LABEL, GROUND SYMBOL, GRN/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-58	DISP LABEL, STATIC AWARENESS, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-60	DISP LABEL, STATIC AWARENESS, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-67	DISP LABEL, 'DANGER HIGH VOLTAGE', R/B/W	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-68	DISP LABEL, 'LOCKOUT', RED/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-71	DISP LABEL, FUSE REPL WARNING, BLK/WHT	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-72	DISP LABEL, 'LOCK OUT FOR SAF', BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-74	DISP LABEL, ELECT SHOCK CAUTION, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-VBG-03	DISP LABEL, INTL SYM, 0.88" DIA, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-VBG-04	DISP LABEL, INTL SYM, 0.88" DIA, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-VBGSL-03	DISP SELF-LAM LABEL, INTL SYM, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLD-VBGSL-04	DISP SELF-LAM LABEL, INTL SYM, BLK/YEL	1 PK	10	1	5	10	PK	23.16	21.51	18.80
PLDR-1	PLD-1 SELF-LAM REFILL ROLL, 1.0" X 1.5"	1 RL	10	1	5		RL	16.75	15.04	
PLDR-2	PLD-2 SELF-LAM REFILL ROLL, 1.0" X 3.0"	1 RL	10	1	5		RL	16.75	15.04	
PLL-1-Y2-10	LSR LABEL, 0.30" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	12.62	10.22	9.06
PLL-1-Y2Y-10	LSR LABEL, 0.30" X 0.25", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	14.82	12.01	10.65
PLL-2-Y2-10	LSR LABEL, 0.38" X 0.38", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	11.73	9.50	8.43
PLL-2-Y2Y-10	LSR LABEL, 0.38" X 0.38", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	13.71	11.11	9.85
PLL-4-Y2-10	LSR LABEL, 0.65" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	13.02	10.55	9.35
PLL-4-Y2Y-10	LSR LABEL, 0.65" X 0.25", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	14.46	11.72	10.39
PLL-5-Y2-10	LSR LABEL, 0.80" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	15.35	12.44	11.03

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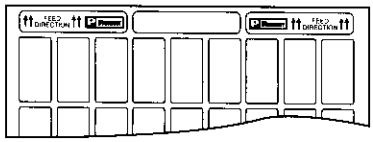
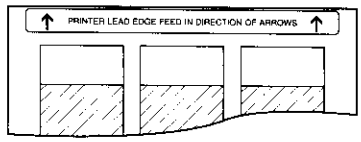
Effective Date: March 23, 2001



PLL
Blank Laser Labels



PLL
Self-Laminating Laser Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLL-5-Y2Y-10	LSR LABEL, 0.80" X 0.25", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	$ 19.54	$ 15.83	$ 14.04
PLL-6-Y2-5	LSR LABEL, 0.80" X 0.50", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	32.99	26.73	23.70
PLL-6-Y2-10	LSR LABEL, 0.80" X 0.50", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	25.51	20.67	18.33
PLL-6-Y2Y-5	LSR LABEL, 0.80" X 0.50", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	37.71	30.55	27.09
PLL-7-Y2-10	LSR LABEL, 1.00" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	16.16	13.10	11.61
PLL-7-Y2Y-10	LSR LABEL, 1.00" X 0.25", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	19.26	15.61	13.84
PLL-8-PO-10	LSR LABEL, 1.00" X 0.38", POLYOLFN, WHT	10000 PC	60000	10000	50000	100000	M	22.88	18.54	16.44
PLL-8-Y2-5	LSR LABEL, 1.00" X 0.38", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	35.30	28.61	25.36
PLL-8-Y2-10	LSR LABEL, 1.00" X 0.38", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	20.79	16.85	14.94
PLL-8-Y2Y-5	LSR LABEL, 1.00" X 0.38", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	36.24	29.37	26.04
PLL-9-POR-10	LSR LABEL, 1.00" X 0.50", REM POLYO, WHT	10000 PC	60000	10000	50000	100000	M	26.69	21.63	19.18
PLL-9-Y2-5	LSR LABEL, 1.00" X 0.50", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	32.40	26.25	23.28
PLL-9-Y2-10	LSR LABEL, 1.00" X 0.50", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	27.00	21.88	19.40
PLL-9-Y2S-10	LSR LABEL, 1.00" X 0.50", POLYESTER, SIL	10000 PC	60000	10000	50000	100000	M	39.76	32.22	28.56
PLL-9-Y2Y-5	LSR LABEL, 1.00" X 0.50", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	42.37	34.33	30.44
PLL-9-Y2Y-10	LSR LABEL, 1.00" X 0.50", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	35.50	28.76	25.50
PLL-9-Y3C-5	LSR LABEL, 1.00" X 0.50", POLYESTER, CLR	5000 PC	30000	5000	30000	50000	M	34.89	28.27	25.06
PLL-10-PO-5	LSR LABEL, 1.00" X 0.75", POLYOLFN, WHT	5000 PC	30000	5000	30000	50000	M	61.09	49.51	43.89
PLL-10-Y2-2.5	LSR LABEL, 1.00" X 0.75", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	65.39	52.99	46.98
PLL-10-Y3C-2.5	LSR LABEL, 1.00" X 0.75", POLYESTER, CLR	2500 PC	15000	2500	30000	50000	M	62.07	50.29	44.59
PLL-11-Y2-2.5	LSR LABEL, 1.00" X 1.00", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	70.31	56.98	50.51
PLL-11-Y3B-2.5	LSR SELF-LAM, 1.00" X 1.00", POLYES, BLU	2500 PC	12500	2500	30000	50000	M	78.07	63.27	56.09
PLL-11-Y3C-2.5	LSR LABEL, 1.00" X 1.00", POLYESTER, CLR	2500 PC	15000	2500	30000	50000	M	69.63	56.43	50.03
PLL-11-Y3G-2.5	LSR SELF-LAM, 1.00" X 1.00", POLYES, GRN	2500 PC	12500	2500	30000	50000	M	78.07	63.27	56.09
PLL-11-Y3OR-2.5	LSR SELF-LAM, 1.00" X 1.00", POLYES, ORN	2500 PC	12500	2500	30000	50000	M	78.07	63.27	56.09
PLL-11-Y3PR-2.5	LSR SELF-LAM, 1.00" X 1.00", POLYES, PUR	2500 PC	12500	2500	30000	50000	M	78.07	63.27	56.09
PLL-11-Y3RD-2.5	LSR SELF-LAM, 1.00" X 1.00", POLYES, RED	2500 PC	12500	2500	30000	50000	M	78.07	63.27	56.09
PLL-11-Y3Y-2.5	LSR LABEL, 1.00" X 1.33", POLYESTER, WHT	2500 PC	12500	2500	30000	50000	M	78.07	63.27	56.09
PLL-12-Y2-1	LSR LABEL, 1.00" X 1.33", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	85.45	69.25	61.39
PLL-12-Y3B-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, BLU	2500 PC	12500	2500	30000	50000	M	91.28	73.97	65.58
PLL-12-Y3BR-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, BRN	2500 PC	12500	2500	30000	50000	M	91.28	73.97	65.58
PLL-12-Y3G-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, GRN	2500 PC	12500	2500	30000	50000	M	91.28	73.97	65.58
PLL-12-Y3IG-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, GRY	2500 PC	12500	2500	30000	50000	M	91.28	73.97	65.58
PLL-12-Y3OR-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, ORN	2500 PC	12500	2500	30000	50000	M	91.28	73.97	65.58
PLL-12-Y3PR-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, PUR	2500 PC	12500	2500	30000	50000	M	91.28	73.97	65.58
PLL-12-Y3RD-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, RED	2500 PC	12500	2500	30000	50000	M	91.28	73.97	65.58
PLL-12-Y3Y-2.5	LSR SELF-LAM, 1.00" X 1.33", POLYES, YEL	2500 PC	12500	2500	30000	50000	M	78.07	63.27	56.09
PLL-14-Y2-5	LSR LABEL, 1.50" X 0.25", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	26.05	21.11	18.71
PLL-14-Y2-10	LSR LABEL, 1.50" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	20.86	16.91	14.99
PLL-14-Y2Y-5	LSR LABEL, 1.50" X 0.25", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	28.12	22.79	20.20
PLL-15-Y2-5	LSR LABEL, 1.88" X 0.25", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	32.35	26.21	23.24
PLL-15-Y2-10	LSR LABEL, 1.88" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	26.95	21.84	19.36
PLL-15-Y2Y-5	LSR LABEL, 1.88" X 0.25", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	35.41	28.69	25.44
PLL-16-PO-2.5	LSR LABEL, 1.88" X 0.38", POLYOLFN, WHT	2500 PC	15000	2500	30000	50000	M	34.57	28.02	24.84
PLL-16-Y2-2.5	LSR LABEL, 1.88" X 0.38", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	49.94	40.47	35.88
PLL-16-Y2-5	LSR LABEL, 1.88" X 0.38", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	36.02	29.19	25.88
PLL-16-Y2Y-2.5	LSR LABEL, 1.88" X 0.38", POLYESTER, YEL	2500 PC	15000	2500	30000	50000	M	51.30	41.57	36.85
PLL-16-Y2Y-5	LSR LABEL, 1.88" X 0.38", POLYESTER, YEL	5000 PC	30000	5000	30000	50000	M	55.52	44.99	39.89
PLL-17-Y2-1	LSR LABEL, 1.88" X 0.83", POLYESTER, WHT	1000 PC	10000	1000	5000	10000	M	66.42	53.82	47.71
PLL-17-Y2-2.5	LSR LABEL, 1.88" X 0.83", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	81.90	66.37	58.84
PLL-17-Y2Y-1	LSR LABEL, 1.88" X 0.83", POLYESTER, YEL	1000 PC	6000	1000	5000	10000	M	107.98	87.50	77.58
PLL-17-Y2Y-2.5	LSR LABEL, 1.88" X 0.83", POLYESTER, YEL	2500 PC	15000	2500	30000	50000	M	87.02	70.51	62.51
PLL-18-Y2-1	LSR LABEL, 1.88" X 1.33", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	149.24	120.94	107.21
PLL-18-Y2-1.5	LSR LABEL, 1.88" X 1.33", POLYESTER, WHT	1500 PC	9000	1500	30000	50000	M	119.36	96.73	85.75
PLL-18-Y2Y-1	LSR LABEL, 1.88" X 1.33", POLYESTER, YEL	1000 PC	6000	1000	5000	10000	M	167.37	135.63	120.24

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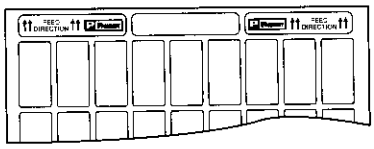

PLL
Blank Laser Labels

PLMA
Self-Lam Marker Books

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLL-18-Y2Y-1.5	LSR LABEL, 1.88" X 1.33", POLYESTER, YEL	1500 PC	9000	1500	30000	50000	M	$ 120.81	$ 97.90	$ 86.79
PLL-19-POR-2.5	LSR LABEL, 3.00" X 0.38", REM POLYO, WHT	2500 PC	15000	2500	30000	50000	M	56.97	46.16	40.93
PLL-19-Y2-1	LSR LABEL, 3.00" X 0.38", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	84.09	68.15	60.41
PLL-19-Y2-2.5	LSR LABEL, 3.00" X 0.38", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	70.38	57.03	50.56
PLL-19-Y2Y-1	LSR LABEL, 3.00" X 0.38", POLYESTER, YEL	1000 PC	6000	1000	5000	10000	M	98.92	80.16	71.06
PLL-19-Y2Y-2.5	LSR LABEL, 3.00" X 0.38", POLYESTER, YEL	2500 PC	15000	2500	30000	50000	M	72.24	58.54	51.90
PLL-20-Y2-10	LSR LABEL, 0.80" X 0.20", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	15.35	12.44	11.03
PLL-20-Y2Y-10	LSR LABEL, 0.80" X 0.20", POLYESTER, YEL	10000 PC	60000	10000	50000	100000	M	17.05	13.82	12.25
PLL-22-PO-1	LSR LABEL, 7.88" X 0.50", POLYOLFN, WHT	1000 PC	6000	1000	5000	10000	M	220.75	178.89	158.59
PLL-22-PO-1B	LSR LABEL, 7.88" X 0.50", POLYOLFN, BLU	1000 PC	6000	1000	5000	10000	M	242.12	196.20	173.94
PLL-22-PO-1G	LSR LABEL, 7.88" X 0.50", POLYOLFN, GRN	1000 PC	6000	1000	5000	10000	M	242.12	196.20	173.94
PLL-22-PO-1GR	LSR LABEL, 7.88" X 0.50", POLYOLFN, GRY	1000 PC	6000	1000	5000	10000	M	242.12	196.20	173.94
PLL-22-PO-1OR	LSR LABEL, 7.88" X 0.50", POLYOLFN, ORN	1000 PC	6000	1000	5000	10000	M	242.12	196.20	173.94
PLL-22-PO-1PR	LSR LABEL, 7.88" X 0.50", POLYOLFN, PUR	1000 PC	6000	1000	5000	10000	M	242.12	196.20	173.94
PLL-22-PO-1R	LSR LABEL, 7.88" X 0.50", POLYOLFN, RED	1000 PC	6000	1000	5000	10000	M	242.12	196.20	173.94
PLL-22-PO-1Y	LSR LABEL, 7.88" X 0.50", POLYOLFN, YEL	1000 PC	6000	1000	5000	10000	M	242.12	196.20	173.94
PLL-22-Y2-1	LSR LABEL, 7.88" X 0.50", POLYESTER, WHT	1000 PC	5000	1000	5000	10000	M	328.01	265.80	235.64
PLL-22-Y3-1	LSR LABEL, 7.88" X 0.50", POLYESTER, CLR	1000 PC	6000	1000	5000	10000	M	328.01	265.80	235.64
PLL-23-Y2-1	LSR LABEL, 0.56" X 0.56", POLYESTER, WHT	1000 PC	20000	1000	5000	10000	M	19.91	16.13	14.30
PLL-23-Y2-5	LSR LABEL, 0.56" X 0.56", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	16.58	13.44	11.91
PLL-23-Y3-1	LSR LABEL, 0.56" X 0.56", POLYESTER, CLR	1000 PC	6000	1000	5000	10000	M	133.06	107.82	95.59
PLL-23-Y3-5	LSR LABEL, 0.56" X 0.56", POLYESTER, CLR	5000 PC	30000	5000	30000	50000	M	113.05	91.61	81.21
PLL-24-Y2-1	LSR LABEL, 0.56" X 0.19", POLYESTER, WHT	1000 PC	2000	1000	5000	10000	M	90.36	73.22	64.91
PLL-24-Y2-5	LSR LABEL, 0.56" X 0.19", POLYESTER, WHT	5000 PC	30000	5000	30000	50000	M	76.82	62.25	55.19
PLL-24-Y3-1	LSR LABEL, 0.56" X 0.19", POLYESTER, CLR	1000 PC	2000	1000	5000	10000	M	90.36	73.22	64.91
PLL-24-Y3-5	LSR LABEL, 0.56" X 0.19", POLYESTER, CLR	5000 PC	30000	5000	30000	50000	M	76.82	62.25	55.19
PLL-25-PO-SH	LSR LABEL, 8.50" X 11.00", POLYOLFN, WHT	25 PC	150	25	100	500	C	411.08	333.11	295.31
PLL-25-Y2-SH	LSR LABEL, 8.50" X 11.00", POLYESTR, WHT	25 SH	150	25	100	500	C	504.29	408.65	362.28
PLL-25-Y2S-SH	LSR LABEL, 8.50" X 11.00", POLYESTR, SIL	25 SH	150	25	100	500	C	654.90	530.70	470.48
PLL-25-Y2Y-SH	LSR LABEL, 8.50" X 11.00", POLYESTR, YEL	25 PC	150	25	100	500	C	534.06	432.77	383.66
PLL-25-Y3C-SH	LSR LABEL, 8.50" X 11.00", POLYESTR, CLR	25 PC	150	25	100	500	C	493.85	400.19	354.78
PLL-26-Y2-1	LSR LABEL, 2.83" X 1.00", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	136.35	110.49	97.95
PLL-28-Y2-1	LSR LABEL, 2.83" X 1.50", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	202.48	164.08	145.46
PLL-29-Y2-1	LSR LABEL, 4.25" X 2.00", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	603.21	488.80	433.34
PLL-30-Y2-10	LSR LABEL, 0.25" X 0.25", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	14.77	11.97	10.61
PLL-31-POR-10	LSR LABEL, 0.50" X 0.44", REM POLYO, WHT	10000 PC	60000	10000	50000	100000	M	13.36	10.83	9.60
PLL-31-Y2-10	LSR LABEL, 0.50" X 0.44", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	19.89	16.12	14.29
PLL-32-Y2-10	LSR LABEL, 0.65" X 0.20", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	13.02	10.55	9.35
PLL-33-PO-5	LSR LABEL, 0.50" X 1.50", POLYOLFN, WHT	5000 PC	30000	5000	30000	50000	M	37.60	30.47	27.01
PLL-34-Y2-10	LSR LABEL, 1.25" X 0.38", POLYESTER, WHT	10000 PC	60000	10000	50000	100000	M	37.22	30.16	26.74
PLL-35-PO-2.5	LSR LABEL, 1.50" X 0.75", POLYOLFN, WHT	2500 PC	15000	2500	30000	50000	M	68.45	55.47	49.18
PLL-35-Y2S-2.5	LSR LABEL, 1.50" X 0.75", POLYESTER, SIL	2500 PC	15000	2500	30000	50000	M	102.66	83.19	73.75
PLL-36-PO-1	LSR LABEL, 2.50" X 1.00", POLYOLFN, WHT	1000 PC	6000	1000	5000	10000	M	130.05	105.38	93.43
PLL-36-Y2-1	LSR LABEL, 2.50" X 1.00", POLYESTER, WHT	1000 PC	6000	1000	5000	10000	M	177.95	144.20	127.84
PLL-36-Y2S-1	LSR LABEL, 2.50" X 1.00", POLYESTER, SIL	1000 PC	6000	1000	5000	10000	M	207.48	168.13	149.05
PLL-46-Y2-1	MINI-JACK/OPTI-JACK LABEL, LSR, WHT	1000 PC	6000	1000	5000	10000	M	52.18	42.29	37.49
PLL-46-Y3C-1	MINI-JACK/OPTI-JACK LABEL, LSR, CLR	1000 PC	6000	1000	5000	10000	M	52.18	42.29	37.49
PLMA1	SELF-LAM WM BOOK, '0-9', 10 PG	1 BK	10	1	5	25	BK	23.66	19.18	17.00
PLMA2	SELF-LAM WM BOOK, 'A-Z 0-15 +-/', 10 PG	1 BK	10	1	5	25	BK	23.66	19.18	17.00
PLMA3	SELF-LAM WM BOOK, '1-45', 10 PG	1 BK	10	1	5	25	BK	23.66	19.18	17.00
PLMA4	SELF-LAM WM BOOK, '1 2 3', 10 PG	1 BK	10	1	5	25	BK	23.66	19.18	17.00
PLMA14	SELF-LAM WM BOOK, '46-90', 10 PG	1 BK	10	1	5	25	BK	23.66	19.18	17.00
PLMV1	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV2	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV3	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68

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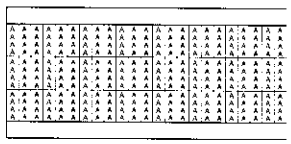
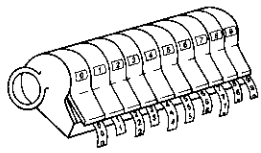
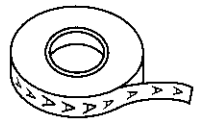


PM
Miniature Marker Cards



PMD-0-9
Filled Roll Marker Dispenser



PMDR-A
Roll Marker Refill Roll

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PLMV4	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	$ 19.04	$ 15.43	$ 13.68
PLMV5	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV6	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV8	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV9	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	PK	19.04	15.43	13.68
PLMV11	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV12	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV13	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV14	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV15	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV16	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PLMV25	WIRE MARKER BOOK10 PG	1 BK	10	1	5	25	BK	19.04	15.43	13.68
PM-0	MINI WIRE MARKER CARD, TEDLAR*, '0'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-0-49	MINI WIRE MARKER CARD, TEDLAR*, '0-49'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-1	MINI WIRE MARKER CARD, TEDLAR*, '1'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-2	MINI WIRE MARKER CARD, TEDLAR*, '2'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-3	MINI WIRE MARKER CARD, TEDLAR*, '3'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-4	MINI WIRE MARKER CARD, TEDLAR*, '4'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-5	MINI WIRE MARKER CARD, TEDLAR*, '5'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-6	MINI WIRE MARKER CARD, TEDLAR*, '6'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-7	MINI WIRE MARKER CARD, TEDLAR*, '7'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-8	MINI WIRE MARKER CARD, TEDLAR*, '8'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PM-9	MINI WIRE MARKER CARD, TEDLAR*, '9'	25 CG	100	25	100	500	C	211.38	171.29	151.85
PMD	ROLL WIRE MARKER DISPENSER, EMPTY	1 PC	10	1	10		PC	13.29	11.99	
PMD-0-9	ROLL WIRE MARKER DISPENSER, 1 RL EA '0-9'	1 PK	10	1	10		PK	33.81	30.51	
PMD-NEMA	ROLL WIRE MARKER DISPENSER, 1 RL COLORS	1 PK	10	1	10		PK	33.81	30.51	
PMDR-0	ROLL WIRE MARKER, '0', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-0-9	ROLL WIRE MARKER, 1 RL EA 0-9, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-1	ROLL WIRE MARKER, '1', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-2	ROLL WIRE MARKER, '2', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-3	ROLL WIRE MARKER, '3', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-4	ROLL WIRE MARKER, '4', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-5	ROLL WIRE MARKER, '5', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-6	ROLL WIRE MARKER, '6', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-7	ROLL WIRE MARKER, '7', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-8	ROLL WIRE MARKER, '8', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-9	ROLL WIRE MARKER, '9', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-10-19	ROLL WIRE MARKER, 1 RL EA 10-19, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-20-29	ROLL WIRE MARKER, 1 RL EA 20-29, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-30-39	ROLL WIRE MARKER, 1 RL EA 30-39, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-40-49	ROLL WIRE MARKER, 1 RL EA 40-49, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-50-59	ROLL WIRE MARKER, 1 RL EA 50-59, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-60-69	ROLL WIRE MARKER, 1 RL EA 60-69, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-70-79	ROLL WIRE MARKER, 1 RL EA 70-79, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-80-89	ROLL WIRE MARKER, 1 RL EA 80-89, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-90-99	ROLL WIRE MARKER, 1 RL EA 90-99, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-A	ROLL WIRE MARKER, 'A', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-B	ROLL WIRE MARKER, 'B', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-BL	ROLL WIRE MARKER, LT BLUE, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-BLK	ROLL WIRE MARKER, BLACK, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-BRN	ROLL WIRE MARKER, BROWN, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-C	ROLL WIRE MARKER, 'C', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-D	ROLL WIRE MARKER, 'D', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-E	ROLL WIRE MARKER, 'E', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-F	ROLL WIRE MARKER, 'F', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	

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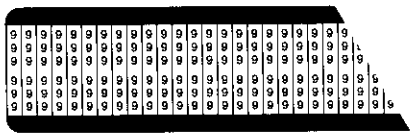

PPM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PMDR-G	ROLL WIRE MARKER, 'G', 8 FT/RL	10 RL	100	10	100		RL	$ 1.90	$ 1.71	$
PMDR-GRN	ROLL WIRE MARKER, GREEN, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-GRS	ROLL WIRE MARKER, 'GRS', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-GRY	ROLL WIRE MARKER, GRAY, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-H	ROLL WIRE MARKER, 'H', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-I	ROLL WIRE MARKER, 'I', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-J	ROLL WIRE MARKER, 'J', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-K	ROLL WIRE MARKER, 'K', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-L	ROLL WIRE MARKER, 'L', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-L1	ROLL WIRE MARKER, 'L1', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-L2	ROLL WIRE MARKER, 'L2', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-L3	ROLL WIRE MARKER, 'L3', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-M	ROLL WIRE MARKER, 'M', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-MIN	ROLL WIRE MARKER, '-', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-N	ROLL WIRE MARKER, 'N', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-NEMA	ROLL WIRE MARKER, 10 RL COLORS, 8 FT/RL	1 PK	10	1	10		PK	19.45	17.47	
PMDR-O	ROLL WIRE MARKER, 'O', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-ORN	ROLL WIRE MARKER, ORANGE, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-P	ROLL WIRE MARKER, 'P', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-PLS	ROLL WIRE MARKER, '+', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-PUR	ROLL WIRE MARKER, PURPLE, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-Q	ROLL WIRE MARKER, 'Q', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-R	ROLL WIRE MARKER, 'R', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-RED	ROLL WIRE MARKER, RED, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-S	ROLL WIRE MARKER, 'S', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-T	ROLL WIRE MARKER, 'T', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-T1	ROLL WIRE MARKER, 'T1', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-T2	ROLL WIRE MARKER, 'T2', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-T3	ROLL WIRE MARKER, 'T3', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-U	ROLL WIRE MARKER, 'U', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-V	ROLL WIRE MARKER, 'V', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-W	ROLL WIRE MARKER, 'W', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-WHT	ROLL WIRE MARKER, WHITE, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-X	ROLL WIRE MARKER, 'X, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-Y	ROLL WIRE MARKER, 'Y', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-YEL	ROLL WIRE MARKER, YELLOW, 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMDR-Z	ROLL WIRE MARKER, 'Z', 8 FT/RL	10 RL	100	10	100		RL	1.90	1.71	
PMMB1	WIRE MARKER BOOK CLOTH 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PMMB2	WIRE MARKER BOOK CLOTH 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PMMB3	WIRE MARKER BOOK CLOTH 10 PG	1 BK	10	1	10		BK	17.18	15.43	
PPM-0	WIRE MARKER CARD, TEDLAR*, '0'	25 CG	100	25	100		C	155.68	139.82	
PPM-1	WIRE MARKER CARD, TEDLAR*, '1'	25 CG	100	25	100		C	155.68	139.82	
PPM-1-33	WIRE MARKER CARD, TEDLAR*, '1-33'	25 CG	100	25	100		C	155.68	139.82	
PPM-2	WIRE MARKER CARD, TEDLAR*, '2'	25 CG	100	25	100		C	155.68	139.82	
PPM-3	WIRE MARKER CARD, TEDLAR*, '3'	25 CG	100	25	100		C	155.68	139.82	
PPM-4	WIRE MARKER CARD, TEDLAR*, '4'	25 CG	100	25	100		C	155.68	139.82	
PPM-5	WIRE MARKER CARD, TEDLAR*, '5'	25 CG	100	25	100		C	155.68	139.82	
PPM-6	WIRE MARKER CARD, TEDLAR*, '6'	25 CG	100	25	100		C	155.68	139.82	
PPM-7	WIRE MARKER CARD, TEDLAR*, '7'	25 CG	100	25	100		C	155.68	139.82	
PPM-8	WIRE MARKER CARD, TEDLAR*, '8'	25 CG	100	25	100		C	155.68	139.82	
PPM-9	WIRE MARKER CARD, TEDLAR*, '9'	25 CG	100	25	100		C	155.68	139.82	
PPM-10	WIRE MARKER CARD, TEDLAR*, '10'	25 CG	100	25	100		C	155.68	139.82	
PPM-11	WIRE MARKER CARD, TEDLAR*, '11'	25 CG	100	25	100		C	155.68	139.82	
PPM-12	WIRE MARKER CARD, TEDLAR*, '12'	25 CG	100	25	100		C	155.68	139.82	
PPM-13	WIRE MARKER CARD, TEDLAR*, '13'	25 CG	100	25	100		C	155.68	139.82	

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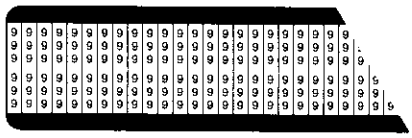

PPM
Wire Marker Cards

PPS0305D73
Safety Sign

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PPM-14	WIRE MARKER CARD, TEDLAR*, '14'	25 CG	100	25	100		C	$ 155.68	$ 139.82	$
PPM-15	WIRE MARKER CARD, TEDLAR*, '15'	25 CG	100	25	100		C	155.68	139.82	
PPM-16	WIRE MARKER CARD, TEDLAR*, '16'	25 CG	100	25	100		C	155.68	139.82	
PPM-17	WIRE MARKER CARD, TEDLAR*, '17'	25 CG	100	25	100		C	155.68	139.82	
PPM-18	WIRE MARKER CARD, TEDLAR*, '18'	25 CG	100	25	100		C	155.68	139.82	
PPM-19	WIRE MARKER CARD, TEDLAR*, '19'	25 CG	100	25	100		C	155.68	139.82	
PPM-20	WIRE MARKER CARD, TEDLAR*, '20'	25 CG	100	25	100		C	155.68	139.82	
PPM-21	WIRE MARKER CARD, TEDLAR*, '21'	25 CG	100	25	100		C	155.68	139.82	
PPM-22	WIRE MARKER CARD, TEDLAR*, '22'	25 CG	100	25	100		C	155.68	139.82	
PPM-23	WIRE MARKER CARD, TEDLAR*, '23'	25 CG	100	25	100		C	155.68	139.82	
PPM-24	WIRE MARKER CARD, TEDLAR*, '24'	25 CG	100	25	100		C	155.68	139.82	
PPM-25	WIRE MARKER CARD, TEDLAR*, '25'	25 CG	100	25	100		C	155.68	139.82	
PPM-26	WIRE MARKER CARD, TEDLAR*, '26'	25 CG	100	25	100		C	155.68	139.82	
PPM-27	WIRE MARKER CARD, TEDLAR*, '27'	25 CG	100	25	100		C	155.68	139.82	
PPM-28	WIRE MARKER CARD, TEDLAR*, '28'	25 CG	100	25	100		C	155.68	139.82	
PPM-29	WIRE MARKER CARD, TEDLAR*, '29'	25 CG	100	25	100		C	155.68	139.82	
PPM-30	WIRE MARKER CARD, TEDLAR*, '30'	25 CG	100	25	100		C	155.68	139.82	
PPM-31	WIRE MARKER CARD, TEDLAR*, '31'	25 CG	100	25	100		C	155.68	139.82	
PPM-32	WIRE MARKER CARD, TEDLAR*, '32'	25 CG	100	25	100		C	155.68	139.82	
PPM-33	WIRE MARKER CARD, TEDLAR*, '33'	25 CG	100	25	100		C	155.68	139.82	
PPM-34	WIRE MARKER CARD, TEDLAR*, '34'	25 CG	100	25	100		C	155.68	139.82	
PPM-34-66	WIRE MARKER CARD, TEDLAR*, '34-66'	25 CG	100	25	100		C	155.68	139.82	
PPM-35	WIRE MARKER CARD, TEDLAR*, '35'	25 CG	100	25	100		C	155.68	139.82	
PPM-36	WIRE MARKER CARD, TEDLAR*, '36'	25 CG	100	25	100		C	155.68	139.82	
PPM-37	WIRE MARKER CARD, TEDLAR*, '37'	25 CG	100	25	100		C	155.68	139.82	
PPM-38	WIRE MARKER CARD, TEDLAR*, '38'	25 CG	100	25	100		C	155.68	139.82	
PPM-39	WIRE MARKER CARD, TEDLAR*, '39'	25 CG	100	25	100		C	155.68	139.82	
PPM-40	WIRE MARKER CARD, TEDLAR*, '40'	25 CG	100	25	100		C	155.68	139.82	
PPM-41	WIRE MARKER CARD, TEDLAR*, '41'	25 CG	100	25	100		C	155.68	139.82	
PPM-42	WIRE MARKER CARD, TEDLAR*, '42'	25 CG	100	25	100		C	155.68	139.82	
PPM-43	WIRE MARKER CARD, TEDLAR*, '43'	25 CG	100	25	100		C	155.68	139.82	
PPM-44	WIRE MARKER CARD, TEDLAR*, '44'	25 CG	100	25	100		C	155.68	139.82	
PPM-45	WIRE MARKER CARD, TEDLAR*, '45'	25 CG	100	25	100		C	155.68	139.82	
PPM-46	WIRE MARKER CARD, TEDLAR*, '46'	25 CG	100	25	100		C	155.68	139.82	
PPM-47	WIRE MARKER CARD, TEDLAR*, '47'	25 CG	100	25	100		C	155.68	139.82	
PPM-48	WIRE MARKER CARD, TEDLAR*, '48'	25 CG	100	25	100		C	155.68	139.82	
PPM-49	WIRE MARKER CARD, TEDLAR*, '49'	25 CG	100	25	100		C	155.68	139.82	
PPM-67-99	WIRE MARKER CARD, TEDLAR*, '67-99'	25 CG	100	25	100		C	155.68	139.82	
PPM-A	WIRE MARKER CARD, TEDLAR*, 'A'	25 CG	100	25	100		C	155.68	139.82	
PPM-B	WIRE MARKER CARD, TEDLAR*, 'B'	25 CG	100	25	100		C	155.68	139.82	
PPM-C	WIRE MARKER CARD, TEDLAR*, 'C'	25 CG	100	25	100		C	155.68	139.82	
PPS0202B493	ADH SIGN, PINCH POINT PICTOGRAM	5 PC	100	1	10	50	PC	3.00	2.79	2.44
PPS0202B494	ADH SIGN, CUT/SEVER PICTOGRAM	5 PC	100	1	10	50	PC	3.00	2.79	2.44
PPS0202B520	ADH SIGN, 'VOLTAGE SOURCE'	5 PC	100	1	10	50	PC	3.00	2.79	2.44
PPS0202B521	ADH SIGN, 'ENERGY SOURCE'	5 PC	100	1	10	50	PC	3.00	2.79	2.44
PPS0305C174	ADH SIGN, 'THIS UNIT IS FED BY MORE'	5 PC	100	1	10	50	PC	3.70	3.43	3.00
PPS0305D73	ADH SIGN, 'HIGH VOLTAGE KEEP OUT'	5 PC	100	1	10	50	PC	3.70	3.43	3.00
PPS0305D75	ADH SIGN, 'HIGH VOLTAGE UNAUTHORIZED'	5 PC	100	1	10	50	PC	3.70	3.43	3.00
PPS0305D77	ADH SIGN, 'EXPOSED ENERGIZED ELECTRICAL'	5 PC	100	1	10	50	PC	3.70	3.43	3.00
PPS0505B504	POLYESTER SIGN	5 PC	100	1	10	50	PC	5.21	4.83	4.23
PPS0505C174	ADH SIGN, 'THIS UNIT IS FED BY MORE'	5 PC	100	1	10	50	PC	5.21	4.83	4.23
PPS0507D72-E	POLYESTER SIGN	1 PC		1	10	50	PC	5.21	4.83	4.23
PPS0509B364	ADH SIGN, 'DANGER HIGH VOLTAGE'	5 PC	100	1	10	50	PC	6.47	6.01	5.25
PPS0514B363	ADH SIGN, 'DANGER HIGH VOLTAGE'	5 PC	100	1	10	50	PC	6.75	6.26	5.48
PPS0710B335	ADH SIGN, 'AUTHORIZED PERSONNEL ONLY'	1 PC	25	1	10	50	PC	6.75	6.26	5.48

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PPS0710D72
Safety Sign

PPS0710D101
Safety Sign

PRL
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PPS0710B364	ADH SIGN, 'DANGER HIGH VOLTAGE'	1 PC	25	1	10	50	PC	$ 6.75	$ 6.26	$ 5.48
PPS0710BWHT	ADH SIGN, BLANK	1 PC	25	1	10	50	PC	5.14	4.78	4.18
PPS0710BYEL	ADH SIGN, BLANK	1 PC	25	1	10	50	PC	5.14	4.78	4.18
PPS0710C119	ADH SIGN, 'DO NOT OPERATE W/O GUARDS'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710C134	POLYESTER SIGN	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710C141	ADH SIGN, 'AREA IN FRONT OF THIS ELEC.'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710C442	ADH SIGN, CAUTION HEADER ONLY	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D24	ADH SIGN, 'AUTOMATIC START EQUIPMENT'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D28	ADH SIGN, '_____VOLTS'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D34	POLYESTER SIGN	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D66	ADH SIGN, 'AREA IN FRONT OF THIS ELEC.'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D66-E	POLYESTER SIGN	1 PC		1	10	50	PC	6.75	6.26	5.48
PPS0710D68	ADH SIGN, 'CABLE BURIED HERE'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D70	ADH SIGN, 'ELECTRICAL EQUIPMENT AUTH'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D72	ADH SIGN, 'HIGH VOLTAGE'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D72S	ADH SIGN, 'ALTO VOLTAJE'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D73	ADH SIGN, 'HIGH VOLTAGE KEEP OUT'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D75	ADH SIGN, 'HIGH VOLTAGE UNAUTHORIZED'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D77	ADH SIGN, 'EXPOSED ENERGIZED ELECTRICAL'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D101	ADH SIGN, 'THIS EQUIPMENT STARTS AUTO'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D102	ADH SIGN, 'WARNING THIS MACHINE IS AUTO'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710D440	ADH SIGN, DANGER HEADER ONLY	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710N203	ADH SIGN, 'ELECTRICAL CLOSET NO STORAGE'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS0710N443	ADH SIGN, NOTICE HEADER ONLY	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS1007D72SE	ADH SIGN, 'HIGH VOLTAGE/ALTO VOLTAJE'	1 PC	25	1	10	50	PC	6.75	6.26	5.48
PPS1014BWHT	ADH SIGN, BLANK	1 PC	25	1	10	50	PC	12.34	11.45	10.01
PPS1014BYEL	ADH SIGN, BLANK	1 PC	25	1	10	50	PC	12.34	11.45	10.01
PPS1014C442	ADH SIGN, CAUTION HEADER ONLY	1 PC	25	1	10	50	PC	16.22	15.06	13.16
PPS1014D73	ADH SIGN, 'HIGH VOLTAGE KEEP OUT'	1 PC	25	1	10	50	PC	16.22	15.06	13.16
PPS1014D75	ADH SIGN, 'HIGH VOLTAGE UNAUTHORIZED'	1 PC	25	1	10	50	PC	16.22	15.06	13.16
PPS1014D440	ADH SIGN, DANGER HEADER ONLY	1 PC	25	1	10	50	PC	16.22	15.06	13.16
PPS1014D462	ADH SIGN, 'CONFINED SPACE ENTER BY'	1 PC	25	1	10	50	PC	16.22	15.06	13.16
PPS1014N443	ADH SIGN, NOTICE HEADER ONLY	1 PC	25	1	10	50	PC	16.22	15.06	13.16
PPS1420BWHT	ADH SIGN, BLANK	1 PC	25	1	10	50	PC	13.46	12.50	10.93
PPS1420BYEL	ADH SIGN, BLANK	1 PC	25	1	10	50	PC	13.46	12.50	10.93
PPS1420C442	ADH SIGN, CAUTION HEADER ONLY	1 PC	25	1	10	50	PC	17.68	16.42	14.35
PPS1420D440	ADH SIGN, DANGER HEADER ONLY	1 PC	25	1	10	50	PC	17.68	16.42	14.35
PPS1420N443	ADH SIGN, NOTICE HEADER ONLY	1 PC	25	1	10	50	PC	17.68	16.42	14.35
PRL100BO-0	POLYESTER SIGN	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-1	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-2	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-3	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-4	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-5	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-6	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-7	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-8	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-9	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BO-18KIT	PRL100BO REFLECTIVE MKR KIT, 900 MKRS	1 KT		1	5	10	KT	217.63	186.36	162.90
PRL100BO-36KIT	PRL100BO REFLECTIVE MKR KIT, 950 MKRS	1 KT		1	5	10	KT	217.63	186.36	162.90
PRL100BO-T	1" YEL/BLK REFLEC. LETTER	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-0	REFLECT LET, 1"H LEG, B/Y, '0', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-1	REFLECT LET, 1"H LEG, B/Y, '1', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-2	REFLECT LET, 1"H LEG, B/Y, '2', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-3	REFLECT LET, 1"H LEG, B/Y, '3', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74

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PRL
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PRL100BY-4	REFLECT LET, 1"H LEG, B/Y, '4', 25/PKG	1 PK	4	1	25	50	PK	$ 13.01	$ 11.14	$ 9.74
PRL100BY-5	REFLECT LET, 1"H LEG, B/Y, '5', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-6	REFLECT LET, 1"H LEG, B/Y, '6', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-7	REFLECT LET, 1"H LEG, B/Y, '7', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-8	REFLECT LET, 1"H LEG, B/Y, '8', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-9	REFLECT LET, 1"H LEG, B/Y, '9', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-18KIT	PRL100BY REFLECTIVE MKR KIT, 900 MKRS	1 KT		1	5	10	KT	217.63	186.36	162.90
PRL100BY-36KIT	PRL100BY REFLECTIVE MKR KIT, 950 MKRS	1 KT		1	5	10	KT	217.63	186.36	162.90
PRL100BY-A	REFLECT LET, 1"H LEG, B/Y, 'A', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-B	REFLECT LET, 1"H LEG, B/Y, 'B', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-BLNK	REFLECT LET, 1"H LEG, B/Y, BLANK, 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-C	REFLECT LET, 1"H LEG, B/Y, 'C', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-D	REFLECT LET, 1"H LEG, B/Y, 'D', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-DSH	REFLECT LET, 1"H LEG, B/Y, '-', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-E	REFLECT LET, 1"H LEG, B/Y, 'E', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-F	REFLECT LET, 1"H LEG, B/Y, 'F', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-G	REFLECT LET, 1"H LEG, B/Y, 'G', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-H	REFLECT LET, 1"H LEG, B/Y, 'H', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-I	REFLECT LET, 1"H LEG, B/Y, 'I', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-J	REFLECT LET, 1"H LEG, B/Y, 'J', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-K	REFLECT LET, 1"H LEG, B/Y, 'K', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-L	REFLECT LET, 1"H LEG, B/Y, 'L', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-M	REFLECT LET, 1"H LEG, B/Y, 'M', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-N	REFLECT LET, 1"H LEG, B/Y, 'N', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-O	REFLECT LET, 1"H LEG, B/Y, 'O', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-P	REFLECT LET, 1"H LEG, B/Y, 'P', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-Q	REFLECT LET, 1"H LEG, B/Y, 'Q', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-R	REFLECT LET, 1"H LEG, B/Y, 'R', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-S	REFLECT LET, 1"H LEG, B/Y, 'S', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-T	REFLECT LET, 1"H LEG, B/Y, 'T', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-U	REFLECT LET, 1"H LEG, B/Y, 'U', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-V	REFLECT LET, 1"H LEG, B/Y, 'V', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-W	REFLECT LET, 1"H LEG, B/Y, 'W', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-X	REFLECT LET, 1"H LEG, B/Y, 'X', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-Y	REFLECT LET, 1"H LEG, B/Y, 'Y', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL100BY-Z	REFLECT LET, 1"H LEG, B/Y, 'Z', 25/PKG	1 PK	4	1	25	50	PK	13.01	11.14	9.74
PRL150YB-0	REFLECT LET, 1.5"H LEG, Y/B, '0', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-1	REFLECT LET, 1.5"H LEG, Y/B, '1', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-2	REFLECT LET, 1.5"H LEG, Y/B, '2', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-3	REFLECT LET, 1.5"H LEG, Y/B, '3', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-4	REFLECT LET, 1.5"H LEG, Y/B, '4', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-5	REFLECT LET, 1.5"H LEG, Y/B, '5', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-6	REFLECT LET, 1.5"H LEG, Y/B, '6', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-7	REFLECT LET, 1.5"H LEG, Y/B, '7', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-8	REFLECT LET, 1.5"H LEG, Y/B, '8', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-9	REFLECT LET, 1.5"H LEG, Y/B, '9', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-A	REFLECT LET, 1.5"H LEG, Y/B, 'A', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-B	REFLECT LET, 1.5"H LEG, Y/B, 'B', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-C	REFLECT LET, 1.5"H LEG, Y/B, 'C', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-D	REFLECT LET, 1.5"H LEG, Y/B, 'D', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-DSH	REFLECT LET, 1.5"H LEG, Y/B, '-', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-E	REFLECT LET, 1.5"H LEG, Y/B, 'E', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-F	REFLECT LET, 1.5"H LEG, Y/B, 'F', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-G	REFLECT LET, 1.5"H LEG, Y/B, 'G', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-H	REFLECT LET, 1.5"H LEG, Y/B, 'H', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

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PRL
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PRL150YB-I	REFLECT LET, 1.5"H LEG, Y/B, 'I', 25/PKG	1 PK	4	1	5	10	PK	$ 14.70	$ 12.58	$ 11.00
PRL150YB-J	REFLECT LET, 1.5"H LEG, Y/B, 'J', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-K	REFLECT LET, 1.5"H LEG, Y/B, 'K', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-L	REFLECT LET, 1.5"H LEG, Y/B, 'L', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-M	REFLECT LET, 1.5"H LEG, Y/B, 'M', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-N	REFLECT LET, 1.5"H LEG, Y/B, 'N', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-O	REFLECT LET, 1.5"H LEG, Y/B, 'O', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-P	REFLECT LET, 1.5"H LEG, Y/B, 'P', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-Q	REFLECT LET, 1.5"H LEG, Y/B, 'Q', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-R	REFLECT LET, 1.5"H LEG, Y/B, 'R', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-S	REFLECT LET, 1.5"H LEG, Y/B, 'S', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-T	REFLECT LET, 1.5"H LEG, Y/B, 'T', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-U	REFLECT LET, 1.5"H LEG, Y/B, 'U', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-V	REFLECT LET, 1.5"H LEG, Y/B, 'V', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-W	REFLECT LET, 1.5"H LEG, Y/B, 'W', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-X	REFLECT LET, 1.5"H LEG, Y/B, 'X', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-Y	REFLECT LET, 1.5"H LEG, Y/B, 'Y', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL150YB-Z	REFLECT LET, 1.5"H LEG, Y/B, 'Z', 25/PKG	1 PK	4	1	5	10	PK	14.70	12.58	11.00
PRL200BS-0	REFLECT LET, 2"H LEG, B/S, '0', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-1	REFLECT LET, 2"H LEG, B/S, '1', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-2	REFLECT LET, 2"H LEG, B/S, '2', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-3	REFLECT LET, 2"H LEG, B/S, '3', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-4	REFLECT LET, 2"H LEG, B/S, '4', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-5	REFLECT LET, 2"H LEG, B/S, '5', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-6	REFLECT LET, 2"H LEG, B/S, '6', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-7	REFLECT LET, 2"H LEG, B/S, '7', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-8	REFLECT LET, 2"H LEG, B/S, '8', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-9	REFLECT LET, 2"H LEG, B/S, '9', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-A	REFLECT LET, 2"H LEG, B/S, 'A', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-B	REFLECT LET, 2"H LEG, B/S, 'B', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-C	REFLECT LET, 2"H LEG, B/S, 'C', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-D	REFLECT LET, 2"H LEG, B/S, 'D', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-DSH	REFLECT LET, 2"H LEG, B/S, '-', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-E	REFLECT LET, 2"H LEG, B/S, 'E', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-F	REFLECT LET, 2"H LEG, B/S, 'F', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-G	REFLECT LET, 2"H LEG, B/S, 'G', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-H	REFLECT LET, 2"H LEG, B/S, 'H', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-I	REFLECT LET, 2"H LEG, B/S, 'I', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-J	REFLECT LET, 2"H LEG, B/S, 'J', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-K	REFLECT LET, 2"H LEG, B/S, 'K', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-L	REFLECT LET, 2"H LEG, B/S, 'L', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-M	REFLECT LET, 2"H LEG, B/S, 'M', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-N	REFLECT LET, 2"H LEG, B/S, 'N', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-O	REFLECT LET, 2"H LEG, B/S, 'O', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-P	REFLECT LET, 2"H LEG, B/S, 'P', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-Q	REFLECT LET, 2"H LEG, B/S, 'Q', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-R	REFLECT LET, 2"H LEG, B/S, 'R', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-S	REFLECT LET, 2"H LEG, B/S, 'S', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-T	REFLECT LET, 2"H LEG, B/S, 'T', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-U	REFLECT LET, 2"H LEG, B/S, 'U', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-V	REFLECT LET, 2"H LEG, B/S, 'V', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-W	REFLECT LET, 2"H LEG, B/S, 'W', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-X	REFLECT LET, 2"H LEG, B/S, 'X', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-Y	REFLECT LET, 2"H LEG, B/S, 'Y', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03
PRL200BS-Z	REFLECT LET, 2"H LEG, B/S, 'Z', 10/PKG	1 PK	10	1	5	10	PK	8.05	6.89	6.03

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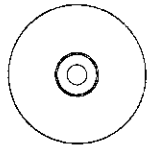
PRL
Letters & Numbers



PROG-WIN2CD
Software

PRS0710C173
Safety Sign

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PRL250YB-0	REFLECT LET, 2.5"H LEG, Y/B, '0', 25/PKG	1 PK	4	1	5	10	PK	$ 16.82	$ 14.40	$ 12.59
PRL250YB-1	REFLECT LET, 2.5"H LEG, Y/B, '1', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-2	REFLECT LET, 2.5"H LEG, Y/B, '2', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-3	REFLECT LET, 2.5"H LEG, Y/B, '3', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-4	REFLECT LET, 2.5"H LEG, Y/B, '4', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-5	REFLECT LET, 2.5"H LEG, Y/B, '5', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-6	REFLECT LET, 2.5"H LEG, Y/B, '6', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-7	REFLECT LET, 2.5"H LEG, Y/B, '7', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-8	REFLECT LET, 2.5"H LEG, Y/B, '8', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-9	REFLECT LET, 2.5"H LEG, Y/B, '9', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-A	REFLECT LET, 2.5"H LEG, Y/B, 'A', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-B	REFLECT LET, 2.5"H LEG, Y/B, 'B', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-C	REFLECT LET, 2.5"H LEG, Y/B, 'C', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-D	REFLECT LET, 2.5"H LEG, Y/B, 'D', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-DSH	REFLECT LET, 2.5"H LEG, Y/B, '-', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-E	REFLECT LET, 2.5"H LEG, Y/B, 'E', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-F	REFLECT LET, 2.5"H LEG, Y/B, 'F', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-G	REFLECT LET, 2.5"H LEG, Y/B, 'G', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-H	REFLECT LET, 2.5"H LEG, Y/B, 'H', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-I	REFLECT LET, 2.5"H LEG, Y/B, 'I', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-J	REFLECT LET, 2.5"H LEG, Y/B, 'J', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-K	REFLECT LET, 2.5"H LEG, Y/B, 'K', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-L	REFLECT LET, 2.5"H LEG, Y/B, 'L', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-M	REFLECT LET, 2.5"H LEG, Y/B, 'M', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-N	REFLECT LET, 2.5"H LEG, Y/B, 'N', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-O	REFLECT LET, 2.5"H LEG, Y/B, 'O', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-P	REFLECT LET, 2.5"H LEG, Y/B, 'P', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-Q	REFLECT LET, 2.5"H LEG, Y/B, 'Q', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-R	REFLECT LET, 2.5"H LEG, Y/B, 'R', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-S	REFLECT LET, 2.5"H LEG, Y/B, 'S', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-T	REFLECT LET, 2.5"H LEG, Y/B, 'T', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-U	REFLECT LET, 2.5"H LEG, Y/B, 'U', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-V	REFLECT LET, 2.5"H LEG, Y/B, 'V', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-W	REFLECT LET, 2.5"H LEG, Y/B, 'W', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-X	REFLECT LET, 2.5"H LEG, Y/B, 'X', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-Y	REFLECT LET, 2.5"H LEG, Y/B, 'Y', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PRL250YB-Z	REFLECT LET, 2.5"H LEG, Y/B, 'Z', 25/PKG	1 PK	4	1	5	10	PK	16.82	14.40	12.59
PROG-LITE	LABELING SOFTWARE, DOS FOR MARKER CARDS	1 PK		1			PK	107.38		
PROG-WIN2	LABELING SOFTWARE, WINDOWS, ADV, 3.5"	1 PK	5	1			PK	307.28		
PROG-WIN2CD	LABELING SOFTWARE, WINDOWS, ADV, CD	1 PK	10	1			PK	307.28		
PRS0310F319	NON-ADH SIGN, 'FIRE EXTINGUISHER'	1 PC	10	1	10	50	PC	4.90	4.55	3.98
PRS0507C143	NON-ADH SIGN, 'BURIED CABLE'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0707B492	RIGID SAGFETY SIGN	1 PC		1	10	50	PC	7.22	6.71	5.86
PRS0710B325-E	NON-ADH SIGN, 'ALARMA DE INCENDIO'	1 PC		1	10	50	PC	6.90	6.41	5.60
PRS0710B360	NON-ADH SIGN, 'CAUTION HIGH VOLTAGE UND'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710B361	NON-ADH SIGN, 'CAUTION HIGH VOLTAGE OVE'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710B364	NON-ADH SIGN, 'DANGER HIGH VOLTAGE'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710BWHT	NON-ADH SIGN, BLANK	1 PC	10	1	10	50	PC	5.27	4.89	4.28
PRS0710BYEL	NON-ADH SIGN, BLANK	1 PC	10	1	10	50	PC	5.27	4.89	4.28
PRS0710C119	NON-ADH SIGN, 'DO NOT OPERATE W/O GUARD'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710C125-E	NON-ADH SIGN, 'ESTA MAQUINA ARRANCA POR'	1 PC		1	10	50	PC	6.90	6.41	5.60
PRS0710C173	NON-ADH SIGN, 'USE LOCK-OUT DEVICE'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710C180	NON-ADH SIGN, 'BE SAFE LOCK IT OUT'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710C442	NON-ADH SIGN, CAUTION HEADER ONLY	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710D28	NON-ADH SIGN, '_____VOLTS'	1 PC	10	1	10	50	PC	6.90	6.41	5.60

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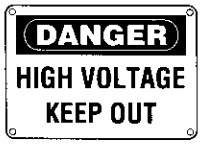
All prices subject to change without notice.

PRS1014D72
Safety Sign



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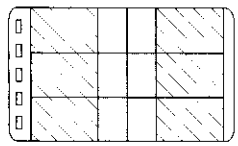

PSCB
Self-Lam Marker Books

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PRS0710D68	NON-ADH SIGN, 'CABLE BURIED HERE'	1 PC	10	1	10	50	PC	$ 6.90	$ 6.41	$ 5.60
PRS0710D72	NON-ADH SIGN, 'HIGH VOLTAGE'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710D83	NON-ADH SIGN, 'DO NO OPERATE MEN'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710D101	NON-ADH SIGN, 'THIS EQUIPMENT STARTS'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710D440	NON-ADH SIGN, DANGER HEADER ONLY	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0710N443	NON-ADH SIGN, NOTICE HEADER ONLY	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS0910D453	NON-ADH SIGN, 'KEEP AWAY ALTA TENSION'	1 PC	10	1	10	50	PC	11.52	10.70	9.35
PRS1007D72	NON-ADH SIGN, 'HIGH VOLTAGE'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS1007N458	NON-ADH SIGN, 'THE FOLLOWING STEPS MUST'	1 PC	10	1	10	50	PC	6.90	6.41	5.60
PRS1014B263-E	NON-ADH SIGN, 'NO FUMAR'	1 PC		1	10	50	PC	10.52	9.77	8.54
PRS1014B364	NON-ADH SIGN, 'DANGER HIGH VOLTAGE'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014B364-E	NON-ADH SIGN, 'PELIGRO ALTO VOLTAJE'	1 PC		1	10	50	PC	10.52	9.77	8.54
PRS1014B365	NON-ADH SIGN, 'HIGH VOLTAGE CABLE BURIE'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014B428	NON-ADH SIGN, 'EXIT'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014BWHT	NON-ADH SIGN, BLANK	1 PC	10	1	10	50	PC	8.02	7.45	6.51
PRS1014BYEL	NON-ADH SIGN, BLANK	1 PC	10	1	10	50	PC	8.02	7.45	6.51
PRS1014C122	NON-ADH SIGN, 'LOW OVERHEAD CLEARANCE'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014C442	NON-ADH SIGN, CAUTION HEADER ONLY	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D26	NON-ADH SIGN, 'MAN WORKING ON LINE'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D27	NON-ADH SIGN, 'UNDERGROUND CABLE'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D28	NON-ADH SIGN, '_____VOLTS'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D70	NON-ADH SIGN, 'ELECTRICAL EQUIPMENT'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D70-E	NON-ADH SIGN, 'EQUIPO ELECTRICO SOLAMEN'	1 PC		1	10	50	PC	10.52	9.77	8.54
PRS1014D71	NON-ADH SIGN, 'ELECTRIC METER ROOM NO'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D72	NON-ADH SIGN, 'HIGH VOLTAGE'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D72-E	NON-ADH SIGN, 'ALTO VOLTAJE'	1 PC		1	10	50	PC	10.52	9.77	8.54
PRS1014D73	NON-ADH SIGN, 'HIGH VOLTAGE KEEP OUT'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D79	NON-ADH SIGN, 'HIGH VOLTAGE KEEP AWAY'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D84	NON-ADH SIGN, 'DO NOT START MACHINE'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D100	RIGID SAGFETY SIGN	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D101	NON-ADH SIGN, 'THIS EQUIPMENT STARTS'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014D440	NON-ADH SIGN, DANGER HEADER ONLY	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014N191	NON-ADH SIGN, 'CLEARANCE _____FT.'	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1014N443	NON-ADH SIGN, NOTICE HEADER ONLY	1 PC	10	1	10	50	PC	10.52	9.77	8.54
PRS1209B317	NON-ADH SIGN, 'FIRE EXTINGUISHER'	1 PC	10	1	10	50	PC	9.12	8.47	7.40
PRS1420BWHT	NON-ADH SIGN, BLANK	1 PC	10	1	10	50	PC	14.98	13.91	12.16
PRS1420BYEL	NON-ADH SIGN, BLANK	1 PC	10	1	10	50	PC	14.98	13.91	12.16
PRS1420C442	NON-ADH SIGN, CAUTION HEADER ONLY	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS1420D72	NON-ADH SIGN, 'HIGH VOLTAGE'	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS1420D73	NON-ADH SIGN, 'HIGH VOLTAGE KEEP OUT'	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS1420D74	NON-ADH SIGN, 'HIGH VOLTAGE ON WIRES ABOVE'	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS1420D75	NON-ADH SIGN, 'HIGH VOLTAGE UNAUTH'	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS1420D100	RIGID SAGFETY SIGN	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS1420D440	NON-ADH SIGN, DANGER HEADER ONLY	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS1420N443	NON-ADH SIGN, NOTICE HEADER ONLY	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PRS2014N182	NON-ADH SIGN, 'IN ACCORDANCE WITH OSHA'	1 PC	10	1	10	50	PC	19.68	18.28	15.98
PSCB-3	SELF-LAM WRITE-ON BOOK, 0.69" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-3GRN	SELF-LAM WRITE-ON BOOK, 0.69" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-3YEL	SELF-LAM WRITE-ON BOOK, 0.69" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-5	SELF-LAM WRITE-ON BOOK, 1.25" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-6	SELF-LAM WRITE-ON BOOK, 1.56" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-6YEL	SELF-LAM WRITE-ON BOOK, 1.56" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-12	SELF-LAM WRITE-ON BOOK, 0.31" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-13	SELF-LAM WRITE-ON BOOK, 0.69" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	
PSCB-16	SELF-LAM WRITE-ON BOOK, 1.56" OD, 10 PG	1 BK	10	1	10		BK	21.01	18.87	

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PSL-1
Lockout Hasp

PSL-3
Padlocks

PSL-4
Padlocks

PSL-4SWC
Lockout Station

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PSCB-BLNK	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	$ 23.14	$ 20.78	$
PSCB-COM	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCB-COMS	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCB-D	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCB-DS	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCB-LAN	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCB-V	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCB-VS	NETWORK MKR BOOK, 0.56" X 0.56", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-BLNK	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-COM	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-COMS	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-D	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-DS	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-FO	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-M	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-V	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCBF-VS	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSCC-3	SELF-LAM WRITE-ON CARD, 0.69"OD, 1.00"W	25 CG	100	25	100		C	158.51	142.35	
PSCC-5	SELF-LAM WRITE-ON CARD, 1.25"OD, 1.00"W	25 CG	100	25	100		C	216.22	194.19	
PSL-1	LOCKOUT HASP, 1.0" DIA JAW W/TABS	12 PC	144	12	60	120	PC	6.65	6.18	5.81
PSL-1A	LOCKOUT HASP, 1.0" DIA JAW W/0 TABS	12 PC	144	12	60	120	PC	8.17	7.59	7.14
PSL-1.5	LOCKOUT HASP, 1.5" DIA JAW W/TABS	12 PC	144	12	60	120	PC	7.91	7.35	6.91
PSL-1.5A	LOCKOUT HASP, 1.5" DIA JAW W/0 TABS	12 PC	48	12	60	120	PC	9.80	9.11	8.56
PSL-2	110 VOLT PLUG LOCKOUT WITH PADLOCK	1 PK	10	1	10	25	PK	11.45	10.65	10.01
PSL-3BLACK	LAM STEEL PADLOCK, 0.75" SHACKLE, BLK	6 PC		6	60	300	PC	13.57	12.62	11.86
PSL-3BLACK-LS	LAM STEEL PADLOCK, 2" SHACKLE, BLK	6 PC		6	60	300	PC	20.01	18.61	17.49
PSL-3BLUE	LAM STEEL PADLOCK, 0.75" SHACKLE, BLU	6 PC	24	6	60	300	PC	13.57	12.62	11.86
PSL-3BLUE-LS	LAM STEEL PADLOCK, 2" SHACKLE, BLU	6 PC		6	60	300	PC	20.01	18.61	17.49
PSL-3GREEN	LAM STEEL PADLOCK, 0.75" SHACKLE, GRN	6 PC		6	60	300	PC	13.57	12.62	11.86
PSL-3GREEN-LS	LAM STEEL PADLOCK, 2" SHACKLE, GRN	6 PC		6	60	300	PC	20.01	18.61	17.49
PSL-3RED	LAM STEEL PADLOCK, 0.75" SHACKLE, RED	6 PC	72	6	60	300	PC	13.57	12.62	11.86
PSL-3RED-LS	LAM STEEL PADLOCK, 2" SHACKLE, RED	6 PC	24	6	60	300	PC	20.01	18.61	17.49
PSL-3WHITE	LAM STEEL PADLOCK, 0.75" SHACKLE, WHT	6 PC		6	60	300	PC	13.57	12.62	11.86
PSL-3WHITE-LS	LAM STEEL PADLOCK, 2" SHACKLE, WHT	6 PC		6	60	300	PC	20.01	18.61	17.49
PSL-3YELLOW	LAM STEEL PADLOCK, 0.75" SHACKLE, YEL	6 PC		6	60	300	PC	13.57	12.62	11.86
PSL-3YELLOW-LS	LAM STEEL PADLOCK, 2" SHACKLE, YEL	6 PC		6	60	300	PC	20.01	18.61	17.49
PSL-4BLK	SAFETY PADLOCK, 1.50" X 1.75" BODY, BLK	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4BLK-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, BLK	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-4BLU	SAFETY PADLOCK, 1.50" X 1.75" BODY, BLU	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4BLU-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, BLU	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-4GRN	SAFETY PADLOCK, 1.50" X 1.75" BODY, GRN	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4GRN-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, GRN	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-4ORG	SAFETY PADLOCK, 1.50" X 1.75" BODY, ORN	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4ORG-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, ORN	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-4PRP	SAFETY PADLOCK, 1.50" X 1.75" BODY, PUR	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4PRP-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, PUR	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-4RED	SAFETY PADLOCK, 1.50" X 1.75" BODY, RED	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4RED-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, RED	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-4S	LOCKOUT STATION (SIGN ONLY), 4 PERSON	1 PC		1	10		PC	38.51	33.66	
PSL-4SWC	LOCKOUT STATION W/COMPONENTS, 4 PERSON	1 KT		1	10		KT	124.98	109.25	
PSL-4TEL	SAFETY PADLOCK, 1.50" X 1.75" BODY, TEAL	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4TEL-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, TEAL	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-4YEL	SAFETY PADLOCK, 1.50" X 1.75" BODY, YEL	6 PC		6	60	300	PC	25.13	23.37	21.96
PSL-4YEL-LB	SAFETY PADLOCK, 1.50" X 3.00" BODY, YEL	6 PC		6	60	300	PC	27.68	25.75	24.20
PSL-5BLK	VALUE PADLOCK, 0.75" SHACKLE, BLK LABEL	6 PC		6	60	300	PC	11.20	10.41	9.79

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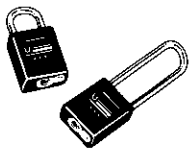
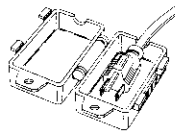
PANDUIT® Identification Products

PSL-5
Padlocks

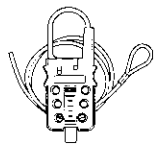


PSL-11
Padlocks

PSL-CB
Lockout



PSL-CL
Cord Lockouts



PSL-MLD
Multiple Lockout

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PSL-5BLU	VALUE PADLOCK, 0.75" SHACKLE, BLU LABEL	6 PC		6	60	300	PC	$ 11.20	$ 10.41	$ 9.79
PSL-5GRN	VALUE PADLOCK, 0.75" SHACKLE, GRN LABEL	6 PC		6	60	300	PC	11.20	10.41	9.79
PSL-5RED	VALUE PADLOCK, 0.75" SHACKLE, RED LABEL	6 PC		6	60	300	PC	11.20	10.41	9.79
PSL-5RED-LS	VALUE PADLOCK, 2.5" SHACKLE, RED LABEL	6 PC		6	60	300	PC	19.45	18.09	17.00
PSL-5WHT	VALUE PADLOCK, 0.75" SHACKLE, WHT LABEL	6 PC		6	60	300	PC	11.20	10.41	9.79
PSL-5YEL	VALUE PADLOCK, 0.75" SHACKLE, YEL LABEL	6 PC		6	60	300	PC	11.20	10.41	9.79
PSL-10S	LOCKOUT STATION (SIGN ONLY), 10 PERSON	1 PC		1	10		PC	100.14	87.54	
PSL-10SWC	LOCKOUT STATION W/COMPONENTS, 10 PERSON	1 KT		1	10		KT	292.23	255.45	
PSL-11BLK	HIGH SECURITY PADLOCK, 1" SHACKLE, BLK	6 PC		6	60	300	PC	18.30	17.02	16.00
PSL-11BLK-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, BLK	6 PC		6	60	300	PC	22.21	20.65	19.41
PSL-11BLU	HIGH SECURITY PADLOCK, 1" SHACKLE, BLU	6 PC		6	60	300	PC	18.30	17.02	16.00
PSL-11BLU-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, BLU	6 PC		6	60	300	PC	22.21	20.65	19.41
PSL-11BRN	HIGH SECURITY PADLOCK, 1" SHACKLE, BRN	6 PC		6	60	300	PC	18.30	17.02	16.00
PSL-11BRN-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, BRN	6 PC		6	60	300	PC	22.21	20.65	19.41
PSL-11GLD	HIGH SECURITY PADLOCK, 1" SHACKLE, GLD	6 PC		6	60	300	PC	18.30	17.02	16.00
PSL-11GLD-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, GLD	6 PC		6	60	300	PC	22.21	20.65	19.41
PSL-11GRN	HIGH SECURITY PADLOCK, 1" SHACKLE, GRN	6 PC		6	60	300	PC	18.30	17.02	16.00
PSL-11GRN-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, GRN	6 PC		6	60	300	PC	22.21	20.65	19.41
PSL-11ORNG	HIGH SECURITY PADLOCK, 1" SHACKLE, ORN	6 PC		6	60	300	PC	18.30	17.02	16.00
PSL-11ORNG-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, ORN	6 PC		6	60	300	PC	22.21	20.65	19.41
PSL-11PRPL	HIGH SECURITY PADLOCK, 1" SHACKLE, PUR	6 PC		6	60	300	PC	18.30	17.02	16.00
PSL-11PRPL-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, PUR	6 PC		6	60	300	PC	22.21	20.65	19.41
PSL-11RED	HIGH SECURITY PADLOCK, 1" SHACKLE, RED	6 PC	24	6	60	300	PC	18.30	17.02	16.00
PSL-11RED-LS	HIGH SECURITY PADLOCK, 3" SHACKLE, RED	6 PC	24	6	60	300	PC	22.21	20.65	19.41
PSL-20S	LOCKOUT STATION (SIGN ONLY), 20 PERSON	1 PC		1	10		PC	150.22	131.31	
PSL-20SWC	LOCKOUT STATION W/COMPONENTS, 20 PERSON	1 KT		1	10		KT	536.92	469.34	
PSL-BV1	BALL VALVE LOCKOUT, 0.25" - 1.00" VALVE	1 PC	10	1	10	25	PC	19.52	18.15	17.06
PSL-BV2	BALL VALVE LOCKOUT, 1.25" - 3.00" VALVE	1 PC	10	1	10	25	PC	31.93	29.70	27.91
PSL-BX	EMPTY PLASTIC KIT BOX FOR PSL-KT-MROA	1 PC		1	10		PC	35.05	30.64	
PSL-CB	UNIVERSAL CIRCUIT BREAKER LOCKOUT	1 PC	10	1	10	25	PC	13.96	12.98	12.20
PSL-CBIL	INDUSTRIAL LINE CIRCUIT BREAKER LOCKOUT	1 PC	10	1	10	25	PC	13.96	12.98	12.20
PSL-CBKIT	KIT WITH 1 EA PSL-CB, PSL-CBIL, PSL-CBL	1 KT	10	1	10		KT	41.16	35.98	
PSL-CBL	MOLDED CASE CIRCUIT BREAKER LOCKOUT	1 PC	10	1	10	25	PC	20.58	19.14	17.99
PSL-CBWL	CIRCUIT BREAKER LOCKOUT WARNING LABEL	1 BK	10	1	10	50	BK	16.09	14.94	13.06
PSL-CL110	CORD LOCKOUT, 120 VAC PLUG	1 PC	10	1	10	25	PC	13.20	12.28	11.54
PSL-CL480	CORD LOCKOUT, 240-480 VAC PLUG	1 PC	10	1	10	25	PC	17.19	15.99	15.03
PSL-ERB	ELECTRICAL RECEPTABLE BLOCKOUT	1 PC	25	1	10	25	PC	2.82	2.62	2.46
PSL-GLB	GROUP LOCKOUT BOX, 10" X 6" X 4"	1 PC		1	10	25	PC	46.59	43.33	40.73
PSL-HD1	LOCKOUT HASP, HEAVY DUTY, MAX 5 LOCKS	12 PC		12	60	120	PC	8.98	8.35	7.85
PSL-HD3	LOCKOUT HASP, HEAVY DUTY, MAX 7 LOCKS	12 PC		12	60	120	PC	10.28	9.56	8.99
PSL-KT	EMPTY PLASTIC KIT BOX FOR PSL-KT-CONA	1 KT	2	1	10		KT	19.31	16.88	
PSL-KT-CONA	LOCKOUT KIT, CONTRACTOR WITH BOX	1 KT		1	10		KT	209.05	182.74	
PSL-KT-MROA	LOCKOUT KIT, MAINTENANCE WITH BOX	1 KT		1	10		KT	245.86	214.91	
PSL-KT-PWR	LOCKOUT KIT, POWER/DIST WITH BOX	1 KT		1	10		KT	286.30	250.26	
PSL-LCM	OSHA LOCKOUT COMPLIANCE MANUAL	1 KT		1	10		KT	225.51	197.13	
PSL-LTM	LOTO PARTIC GUIDES & CARDS, ENG, 10/PKG	1 KT	10	1	10		KT	21.71	18.98	
PSL-LTMGP	GROUP LOTO GUIDES & CARDS, ENG, 10/PKG	1 KT	5	1	10		KT	24.65	21.55	
PSL-LTMS	LOTO PARTIC GUIDES & CARDS, ESP, 10/PKG	1 KT	10	1	10		KT	21.71	18.98	
PSL-LTP	LOCKOUT VIDEO TRNG PROGRAM, ENG, VHS	1 KT		1	10		KT	461.76	403.64	
PSL-LTPA	LOCKOUT VIDEO TRNG PROGRAM, ENG, PAL	1 PC		1	10		PC	461.76	403.64	
PSL-LTPCD	LOCKOUT CD-ROM TRNG PROGRAM, ENG	1 KT	5	1	10		KT	504.70	441.18	
PSL-LTPCD-5	MULTI-PC LOTO CD PACK	1 PK	10	1	10		PK	368.23	321.88	
PSL-LTPGP	GROUP LOTO VIDEO TRNG PROGRAM, ENG, VHS	1 KT	5	1	10		KT	461.76	403.64	
PSL-LTPS	LOCKOUT VIDEO TRNG PROGRAM, ESP, VHS	1 KT		1	10		KT	461.76	403.64	
PSL-MLD	MULTIPLE LOCKOUT DEVICE (HASP AND CABLE)	1 PC	20	1	10	25	PC	28.06	26.09	24.53

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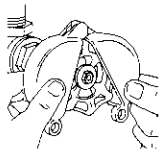
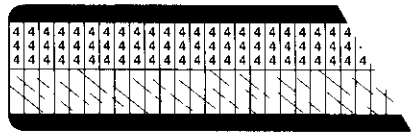
PANDUIT® Identification Products

PSL-PK-EA
Lockout Kit



PSL-V
Valve Lockout

PSL-WS
Toggle Switch Lockout



PSM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PSL-MLDC	VINYL COATED STEEL CABLE WITH LOOP, 6'	1 PC	5	1	10	25	PC	$ 7.14	$ 6.64	$ 6.24
PSL-MLDC200	VINYL COATED STEEL CABLE NO LOOP, 200'	1 PC		1	10	25	PC	260.33	242.13	227.56
PSL-MLDH-X	MULTIPLE LOCKOUT DEVICE (HASP ONLY)	10 PC		10	50	100	PC	29.73	20.62	17.81
PSL-P	PLUG LOCKOUT, MOST 120 VAC PLUGS	1 PC	10	1	10	25	PC	10.85	10.09	9.49
PSL-PC	PADLOCK CHAIN ATTACHMENT, 9"	1 PC	10	1	10	25	PC	6.03	5.61	5.28
PSL-PE1	PADLOCK EYES (2), ANGLED	1 KT	10	1	10	25	KT	5.43	5.05	4.75
PSL-PE2	PADLOCK EYES (2), STRAIGHT	1 KT	10	1	10	25	KT	4.76	4.43	4.16
PSL-PK	EMPTY POUCH FOR PSL-PK-EA	1 PC	10	1	10		PC	16.79	14.68	
PSL-PK-EA	LOCKOUT KIT, ELECTRICIAN'S WITH POUCH	1 KT	5	1	10		KT	85.94	75.13	
PSL-PL1BLK	SELF-LAM PADLOCK LABEL, 10" X .75", BLK	25 PC	150	25	100	500	C	124.74	116.02	109.04
PSL-PL1BLU	SELF-LAM PADLOCK LABEL, 10" X .75", BLU	25 PC	150	25	100	500	C	124.74	116.02	109.04
PSL-PL1GRN	SELF-LAM PADLOCK LABEL, 10" X .75", GRN	25 PC	150	25	100	500	C	124.74	116.02	109.04
PSL-PL1RED	SELF-LAM PADLOCK LABEL, 10" X .75", RED	25 PC	150	25	100	500	C	124.74	116.02	109.04
PSL-PL1WHT	SELF-LAM PADLOCK LABEL, 10" X .75", WHT	25 PC	150	25	100	500	C	124.74	116.02	109.04
PSL-PL1YEL	SELF-LAM PADLOCK LABEL, 10" X .75", YEL	25 PC	150	25	100	500	C	124.74	116.02	109.04
PSL-SC	PADLOCK SHACKLE COLLAR AND RIVET	12 PC	48	12	60	120	PC	1.24	1.16	1.09
PSL-STATION	METAL LOTO STATION, EMPTY	1 PC		1	10		PC	130.20	113.81	
PSL-STEPS	LOCKOUT STEPS WALLET CARD, 25/PKG	1 PK		1	10		PK	28.44	24.86	
PSL-TG1	BRASS PADLOCK IDENTIFICATION TAG	12 PC	48	12	60	120	PC	1.69	1.57	1.48
PSL-V2	GATE VALVE LOCKOUT, 1"-2.5" HANDLE, RED	1 PC	10	1	10	25	PC	15.13	14.07	13.23
PSL-V2BLU	GATE VALVE LOCKOUT, 1"-2.5" HANDLE, BLU	1 PC	10	1	10	25	PC	15.13	14.07	13.23
PSL-V2GRN	GATE VALVE LOCKOUT, 1"-2.5" HANDLE, GRN	1 PC	10	1	10	25	PC	15.13	14.07	13.23
PSL-V2YEL	GATE VALVE LOCKOUT, 1"-2.5" HANDLE, YEL	1 PC	10	1	10	25	PC	15.13	14.07	13.23
PSL-V4	GATE VALVE LOCKOUT, 2.5"-5" HANDLE, RED	1 PC	10	1	10	25	PC	25.27	23.50	22.09
PSL-V4BLU	GATE VALVE LOCKOUT, 2.5"-5" HANDLE, BLU	1 PC	10	1	10	25	PC	25.27	23.50	22.09
PSL-V4GRN	GATE VALVE LOCKOUT, 2.5"-5" HANDLE, GRN	1 PC	10	1	10	25	PC	25.27	23.50	22.09
PSL-V4YEL	GATE VALVE LOCKOUT, 2.5"-5" HANDLE, YEL	1 PC	10	1	10	25	PC	25.27	23.50	22.09
PSL-V6	GATE VALVE LOCKOUT, 5"-6.5" HANDLE, RED	1 PC	10	1	10	25	PC	30.33	28.21	26.51
PSL-V6BLU	GATE VALVE LOCKOUT, 5"-6.5" HANDLE, BLU	1 PC	10	1	10	25	PC	30.33	28.21	26.51
PSL-V6GRN	GATE VALVE LOCKOUT, 5"-6.5" HANDLE, GRN	1 PC	10	1	10	25	PC	30.33	28.21	26.51
PSL-V6YEL	GATE VALVE LOCKOUT, 5"-6.5" HANDLE, YEL	1 PC	10	1	10	25	PC	30.33	28.21	26.51
PSL-V9	GATE VALVE LOCKOUT, 6.5"-10" HANDLE, RED	1 PC	10	1	10	25	PC	37.97	35.31	33.19
PSL-V9YEL	GATE VALVE LOCKOUT, 6.5"-10" HANDLE, YEL	1 PC	10	1	10	25	PC	37.97	35.31	33.19
PSL-V13	GATE VALVE LOCKOUT, 10"-13" HANDLE, RED	1 PC		1	10	25	PC	73.52	68.38	64.26
PSL-V13YEL	GATE VALVE LOCKOUT, 10"-13" HANDLE, YEL	1 PC		1	10	25	PC	73.52	68.38	64.26
PSL-WS	TOGGLE SWITCH LOCKOUT	1 PC	10	1	10	25	PC	11.18	10.40	9.78
PSL-WS1A	TOGGLE/ROCKER SWITCH LOCKOUT	1 PC	10	1	10	25	PC	14.63	13.61	12.79
PSM-0	WIRE MARKER CARD, SELF-LAM, '0'	25 CG	100	25	100		C	160.83	144.44	
PSM-0-9	WIRE MARKER CARD, SELF-LAM, '0-9'	25 CG	100	25	100		C	160.83	144.44	
PSM-1	WIRE MARKER CARD, SELF-LAM, '1'	25 CG	100	25	100		C	160.83	144.44	
PSM-1-33	WIRE MARKER CARD, SELF-LAM, '1-33'	25 CG	100	25	100		C	160.83	144.44	
PSM-2	WIRE MARKER CARD, SELF-LAM, '2'	25 CG	100	25	100		C	160.83	144.44	
PSM-3	WIRE MARKER CARD, SELF-LAM, '3'	25 CG	100	25	100		C	160.83	144.44	
PSM-4	WIRE MARKER CARD, SELF-LAM, '4'	25 CG	100	25	100		C	160.83	144.44	
PSM-5	WIRE MARKER CARD, SELF-LAM, '5'	25 CG	100	25	100		C	160.83	144.44	
PSM-6	WIRE MARKER CARD, SELF-LAM, '6'	25 CG	100	25	100		C	160.83	144.44	
PSM-7	WIRE MARKER CARD, SELF-LAM, '7'	25 CG	100	25	100		C	160.83	144.44	
PSM-8	WIRE MARKER CARD, SELF-LAM, '8'	25 CG	100	25	100		C	160.83	144.44	
PSM-9	WIRE MARKER CARD, SELF-LAM, '9'	25 CG	100	25	100		C	160.83	144.44	
PSM-10	WIRE MARKER CARD, SELF-LAM, '10'	25 CG	100	25	100		C	160.83	144.44	
PSM-11	WIRE MARKER CARD, SELF-LAM, '11'	25 CG	100	25	100		C	160.83	144.44	
PSM-12	WIRE MARKER CARD, SELF-LAM, '12'	25 CG	100	25	100		C	160.83	144.44	
PSM-13	WIRE MARKER CARD, SELF-LAM, '13'	25 CG	100	25	100		C	160.83	144.44	
PSM-14	WIRE MARKER CARD, SELF-LAM, '14'	25 CG	100	25	100		C	160.83	144.44	
PSM-15	WIRE MARKER CARD, SELF-LAM, '15'	25 CG	100	25	100		C	160.83	144.44	

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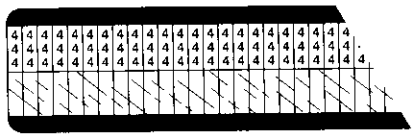

PSM
Wire Marker Cards

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PSM-16	WIRE MARKER CARD, SELF-LAM, '16'	25 CG	100	25	100		C	$ 160.83	$ 144.44	$
PSM-17	WIRE MARKER CARD, SELF-LAM, '17'	25 CG	100	25	100		C	160.83	144.44	
PSM-18	WIRE MARKER CARD, SELF-LAM, '18'	25 CG	100	25	100		C	160.83	144.44	
PSM-19	WIRE MARKER CARD, SELF-LAM, '19'	25 CG	100	25	100		C	160.83	144.44	
PSM-20	WIRE MARKER CARD, SELF-LAM, '20'	25 CG	100	25	100		C	160.83	144.44	
PSM-21	WIRE MARKER CARD, SELF-LAM, '21'	25 CG	100	25	100		C	160.83	144.44	
PSM-22	WIRE MARKER CARD, SELF-LAM, '22'	25 CG	100	25	100		C	160.83	144.44	
PSM-23	WIRE MARKER CARD, SELF-LAM, '23'	25 CG	100	25	100		C	160.83	144.44	
PSM-24	WIRE MARKER CARD, SELF-LAM, '24'	25 CG	100	25	100		C	160.83	144.44	
PSM-25	WIRE MARKER CARD, SELF-LAM, '25'	25 CG	100	25	100		C	160.83	144.44	
PSM-26	WIRE MARKER CARD, SELF-LAM, '26'	25 CG	100	25	100		C	160.83	144.44	
PSM-27	WIRE MARKER CARD, SELF-LAM, '27'	25 CG	100	25	100		C	160.83	144.44	
PSM-28	WIRE MARKER CARD, SELF-LAM, '28'	25 CG	100	25	100		C	160.83	144.44	
PSM-29	WIRE MARKER CARD, SELF-LAM, '29'	25 CG	100	25	100		C	160.83	144.44	
PSM-30	WIRE MARKER CARD, SELF-LAM, '30'	25 CG	100	25	100		C	160.83	144.44	
PSM-31	WIRE MARKER CARD, SELF-LAM, '31'	25 CG	100	25	100		C	160.83	144.44	
PSM-32	WIRE MARKER CARD, SELF-LAM, '32'	25 CG	100	25	100		C	160.83	144.44	
PSM-33	WIRE MARKER CARD, SELF-LAM, '33'	25 CG	100	25	100		C	160.83	144.44	
PSM-34	WIRE MARKER CARD, SELF-LAM, '34'	25 CG	100	25	100		C	160.83	144.44	
PSM-34-66	WIRE MARKER CARD, SELF-LAM, '34-66'	25 CG	100	25	100		C	160.83	144.44	
PSM-35	WIRE MARKER CARD, SELF-LAM, '35'	25 CG	100	25	100		C	160.83	144.44	
PSM-36	WIRE MARKER CARD, SELF-LAM, '36'	25 CG	100	25	100		C	160.83	144.44	
PSM-37	WIRE MARKER CARD, SELF-LAM, '37'	25 CG	100	25	100		C	160.83	144.44	
PSM-38	WIRE MARKER CARD, SELF-LAM, '38'	25 CG	100	25	100		C	160.83	144.44	
PSM-39	WIRE MARKER CARD, SELF-LAM, '39'	25 CG	100	25	100		C	160.83	144.44	
PSM-40	WIRE MARKER CARD, SELF-LAM, '40'	25 CG	100	25	100		C	160.83	144.44	
PSM-41	WIRE MARKER CARD, SELF-LAM, '41'	25 CG	100	25	100		C	160.83	144.44	
PSM-42	WIRE MARKER CARD, SELF-LAM, '42'	25 CG	100	25	100		C	160.83	144.44	
PSM-43	WIRE MARKER CARD, SELF-LAM, '43'	25 CG	100	25	100		C	160.83	144.44	
PSM-44	WIRE MARKER CARD, SELF-LAM, '44'	25 CG	100	25	100		C	160.83	144.44	
PSM-45	WIRE MARKER CARD, SELF-LAM, '45'	25 CG	100	25	100		C	160.83	144.44	
PSM-46	WIRE MARKER CARD, SELF-LAM, '46'	25 CG	100	25	100		C	160.83	144.44	
PSM-47	WIRE MARKER CARD, SELF-LAM, '47'	25 CG	100	25	100		C	160.83	144.44	
PSM-48	WIRE MARKER CARD, SELF-LAM, '48'	25 CG	100	25	100		C	160.83	144.44	
PSM-49	WIRE MARKER CARD, SELF-LAM, '49'	25 CG	100	25	100		C	160.83	144.44	
PSM-67-99	WIRE MARKER CARD, SELF-LAM, '67-99'	25 CG	100	25	100		C	160.83	144.44	
PSM-A	WIRE MARKER CARD, SELF-LAM, 'A'	25 CG	100	25	100		C	160.83	144.44	
PSM-A-Z	WIRE MARKER CARD, SELF-LAM, 'A-Z'	25 CG	100	25	100		C	160.83	144.44	
PSM-A-Z-0-9	WIRE MARKER CARD, SELF-LAM, 'A-Z 0-9'	25 CG	100	25	100		C	160.83	144.44	
PSM-B	WIRE MARKER CARD, SELF-LAM, 'B'	25 CG	100	25	100		C	160.83	144.44	
PSM-C	WIRE MARKER CARD, SELF-LAM, 'C'	25 CG	100	25	100		C	160.83	144.44	
PSM-D	WIRE MARKER CARD, SELF-LAM, 'D'	25 CG	100	25	100		C	160.83	144.44	
PSM-D3	WIRE MARKER CARD, SELF-LAM, 'D3'	25 CG	100	25	100		C	160.83	144.44	
PSM-E	WIRE MARKER CARD, SELF-LAM, 'E'	25 CG	100	25	100		C	160.83	144.44	
PSM-F	WIRE MARKER CARD, SELF-LAM, 'F'	25 CG	100	25	100		C	160.83	144.44	
PSM-G	WIRE MARKER CARD, SELF-LAM, 'G'	25 CG	100	25	100		C	160.83	144.44	
PSM-H	WIRE MARKER CARD, SELF-LAM, 'H'	25 CG	100	25	100		C	160.83	144.44	
PSM-I	WIRE MARKER CARD, SELF-LAM, 'I'	25 CG	100	25	100		C	160.83	144.44	
PSM-J	WIRE MARKER CARD, SELF-LAM, 'J'	25 CG	100	25	100		C	160.83	144.44	
PSM-K	WIRE MARKER CARD, SELF-LAM, 'K'	25 CG	100	25	100		C	160.83	144.44	
PSM-L	WIRE MARKER CARD, SELF-LAM, 'L'	25 CG	100	25	100		C	160.83	144.44	
PSM-M	WIRE MARKER CARD, SELF-LAM, 'M'	25 CG	100	25	100		C	160.83	144.44	
PSM-N	WIRE MARKER CARD, SELF-LAM, 'N'	25 CG	100	25	100		C	160.83	144.44	
PSM-O	WIRE MARKER CARD, SELF-LAM, 'O'	25 CG	100	25	100		C	160.83	144.44	
PSM-P	WIRE MARKER CARD, SELF-LAM, 'P'	25 CG	100	25	100		C	160.83	144.44	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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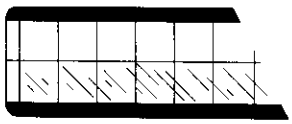
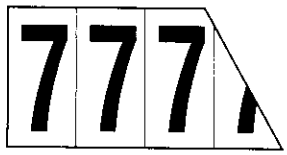
Effective Date: March 23, 2001



PSWM
Marker Cards

PTR2E
Printer



PVL
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PSM-Q	WIRE MARKER CARD, SELF-LAM, 'Q'	25 CG	100	25	100		C	$ 160.83	$ 144.44	$
PSM-R	WIRE MARKER CARD, SELF-LAM, 'R'	25 CG	100	25	100		C	160.83	144.44	
PSM-S	WIRE MARKER CARD, SELF-LAM, 'S'	25 CG	100	25	100		C	160.83	144.44	
PSM-T	WIRE MARKER CARD, SELF-LAM, 'T'	25 CG	100	25	100		C	160.83	144.44	
PSM-U	WIRE MARKER CARD, SELF-LAM, 'U'	25 CG	100	25	100		C	160.83	144.44	
PSM-V	WIRE MARKER CARD, SELF-LAM, 'V'	25 CG	100	25	100		C	160.83	144.44	
PSM-W	WIRE MARKER CARD, SELF-LAM, 'W'	25 CG	100	25	100		C	160.83	144.44	
PSM-X	WIRE MARKER CARD, SELF-LAM, 'X'	25 CG	100	25	100		C	160.83	144.44	
PSM-Y	WIRE MARKER CARD, SELF-LAM, 'Y'	25 CG	100	25	100		C	160.83	144.44	
PSM-Z	WIRE MARKER CARD, SELF-LAM, 'Z'	25 CG	100	25	100		C	160.83	144.44	
PSSB-13	SIGN BOOK, 'DANGER HIGH VOLTAGE' (10 PG)	1 BK	10	1	10	50	BK	21.96	20.39	17.83
PSSB-13-E	SAFETY SIGN BOOK	1 BK	10	1	10	50	BK	21.96	20.39	17.83
PSSB-13-P	SAFETY SIGN BOOK	1 BK	10	1	10	50	BK	21.96	20.39	17.83
PST-1	SELF-LAM TAG, 2.50" X 2.00", 10/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PST-2	SELF-LAM TAG, 3.25" X 5.00", 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PST-3	PHOTO TAG, 'DO NOT OPERATE', 5 TAGS/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PST-4	SAFETY EASE SELF-LAM TAG, 1 SIDE, 25/PK	1 PK	4	1	10	25	PK	48.40	41.44	36.23
PST-5	SAFETY EASE SELF-LAM TAG, 1 SIDE, 100/PK	1 PK	4	1	10	25	PK	64.60	55.31	48.35
PST-FO	SELF-LAM FIBER OPTIC TAG, 5/PK	1 PK	40	1	10	25	PK	8.40	7.19	6.29
PST-FOBLNK	SELF-LAM FIBER OPTIC TAG, BLANK, 5/PK	1 PK	40	1	10	25	PK	8.40	7.19	6.29
PSWBF-COM	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSWBF-COMS	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSWBF-DS	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSWBF-VS	NETWORK MKR BOOK, 0.56" X 0.19", 10 PG	1 BK	10	1	10		BK	23.14	20.78	
PSWM-375	SELF-LAM WRITE-ON CARD, 0.25"OD, 0.38"W	25 CG	100	25	100		C	143.07	128.49	
PSWM-750	SELF-LAM WRITE-ON CARD, 0.25"OD, 0.75"W	25 CG	100	25	100		C	143.07	128.49	
PSWM-1500	SELF-LAM WRITE-ON CARD, 0.25"OD, 1.50"W	25 CG	100	25	100		C	143.07	128.49	
PSWM25R-C	ON-DEMAND MARKER CARDS	100 CG		100			C	159.33		
PSWM33R-C	ON-DEMAND MARKER CARDS	100 CG		100			C	151.74		
PSWM36R-C	ON-DEMAND MARKER CARDS	100 CG		100			C	151.74		
PSWMH-375	SELF-LAM WRITE-ON CARD, 0.13"OD, 0.38"W	25 CG	100	25	100		C	143.07	128.49	
PSWMH-750	SELF-LAM WRITE-ON CARD, 0.13"OD, 0.75"W	25 CG	100	25	100		C	143.07	128.49	
PSWMH-1500	SELF-LAM WRITE-ON CARD, 0.13"OD, 1.50"W	25 CG	100	25	100		C	143.07	128.49	
PT-BGND	GROUND TAG, NETWORK BLDG, B/Y, 100/PK	1 PK		1	10	25	PK	31.61	27.07	23.66
PT-BLNK	GROUND TAG, BLANK, B/Y, 100/PK	1 PK		1	10	25	PK	30.69	26.28	22.98
PT-GND	GROUND TAG, GROUND WIRE, B/Y, 100/PK	1 PK		1	10	25	PK	31.61	27.07	23.66
PT-TGND	GROUND TAG, TELEPHONE, B/Y, 100/PK	1 PK		1	10	25	PK	31.61	27.07	23.66
PTR-CLN	PRINTER CLEANING KIT	1 KT		1			KT	49.53		
PTR1-RIB	PTR1 INDELIBLE INK RIBBON, BLACK	1 PC		1			PC	64.89		
PTR1-STD	PTR1 STANDARD INK RIBBON, BLACK	1 PC		1			PC	17.54		
PTR2-AC	PTR2/PTR2E AC POWER CORD	1 PC		1			PC	37.48		
PTR2-RS	PTR2/PTR2E EXTERNAL ROLL STAND	1 PC	10	1			PC	53.83		
PTR2E	THERMAL TRANSFER DESTOP PRINTER	1 PC		1			PC	1058.68		
PTR2E-MAN	PTR2E OPERATOR'S MANUAL, ENGLISH	1 PC		1			PC	21.97		
PTR3E	HIGH SPEED THERMAL TRANSFER DESK PRINTER	1 PC		1			PC	3186.68		
PVL100BY-0	VINYL NUM, 1"H LEG, B/Y,'0', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-1	VINYL NUM, 1"H LEG, B/Y,'1', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-2	VINYL NUM, 1"H LEG, B/Y,'2', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-3	VINYL NUM, 1"H LEG, B/Y,'3', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-4	VINYL NUM, 1"H LEG, B/Y,'4', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-5	VINYL NUM, 1"H LEG, B/Y,'5', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-6	VINYL NUM, 1"H LEG, B/Y,'6', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-7	VINYL NUM, 1"H LEG, B/Y,'7', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-8	VINYL NUM, 1"H LEG, B/Y,'8', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-9	VINYL NUM, 1"H LEG, B/Y,'9', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22

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All prices subject to change without notice.

PVL
Letters & Numbers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PVL100BY-A	VINYL LET, 1"H LEG, B/Y, 'A', 10 MK/CD	25 CG		1	25	100	C	$ 207.35	$ 143.84	$ 124.22
PVL100BY-B	VINYL LET, 1"H LEG, B/Y, 'B', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-C	VINYL LET, 1"H LEG, B/Y, 'C', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-D	VINYL LET, 1"H LEG, B/Y, 'D', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-DSH	VINYL LET, 1"H LEG, B/Y, '-', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-E	VINYL LET, 1"H LEG, B/Y, 'E', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-F	VINYL LET, 1"H LEG, B/Y, 'F', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-G	VINYL LET, 1"H LEG, B/Y, 'G', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-H	VINYL LET, 1"H LEG, B/Y, 'H', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-I	VINYL LET, 1"H LEG, B/Y, 'I', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-J	VINYL LET, 1"H LEG, B/Y, 'J', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-K	VINYL LET, 1"H LEG, B/Y, 'K', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-L	VINYL LET, 1"H LEG, B/Y, 'L', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-M	VINYL LET, 1"H LEG, B/Y, 'M', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-N	VINYL LET, 1"H LEG, B/Y, 'N', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-O	VINYL LET, 1"H LEG, B/Y, 'O', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-P	VINYL LET, 1"H LEG, B/Y, 'P', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-Q	VINYL LET, 1"H LEG, B/Y, 'Q', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-R	VINYL LET, 1"H LEG, B/Y, 'R', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-S	VINYL LET, 1"H LEG, B/Y, 'S', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-T	VINYL LET, 1"H LEG, B/Y, 'T', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-U	VINYL LET, 1"H LEG, B/Y, 'U', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-V	VINYL LET, 1"H LEG, B/Y, 'V', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-W	VINYL LET, 1"H LEG, B/Y, 'W', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-X	VINYL LET, 1"H LEG, B/Y, 'X', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-Y	VINYL LET, 1"H LEG, B/Y, 'Y', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL100BY-Z	VINYL LET, 1"H LEG, B/Y, 'Z', 10 MK/CD	25 CG		1	25	100	C	207.35	143.84	124.22
PVL200BY-0	VINYL NUM, 2"H LEG, B/Y, '0', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-1	VINYL NUM, 2"H LEG, B/Y, '1', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-2	VINYL NUM, 2"H LEG, B/Y, '2', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-3	VINYL NUM, 2"H LEG, B/Y, '3', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-4	VINYL NUM, 2"H LEG, B/Y, '4', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-5	VINYL NUM, 2"H LEG, B/Y, '5', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-6	VINYL NUM, 2"H LEG, B/Y, '6', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-7	VINYL NUM, 2"H LEG, B/Y, '7', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-8	VINYL NUM, 2"H LEG, B/Y, '8', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-9	VINYL NUM, 2"H LEG, B/Y, '9', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-A	VINYL LET, 2"H LEG, B/Y, 'A', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-B	VINYL LET, 2"H LEG, B/Y, 'B', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-C	VINYL LET, 2"H LEG, B/Y, 'C', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-D	VINYL LET, 2"H LEG, B/Y, 'D', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-DSH	VINYL LET, 2"H LEG, B/Y, '-', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-E	VINYL LET, 2"H LEG, B/Y, 'E', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-F	VINYL LET, 2"H LEG, B/Y, 'F', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-G	VINYL LET, 2"H LEG, B/Y, 'G', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-H	VINYL LET, 2"H LEG, B/Y, 'H', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-I	VINYL LET, 2"H LEG, B/Y, 'I', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-J	VINYL LET, 2"H LEG, B/Y, 'J', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-K	VINYL LET, 2"H LEG, B/Y, 'K', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-L	VINYL LET, 2"H LEG, B/Y, 'L', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-M	VINYL LET, 2"H LEG, B/Y, 'M', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-N	VINYL LET, 2"H LEG, B/Y, 'N', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-O	VINYL LET, 2"H LEG, B/Y, 'O', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-P	VINYL LET, 2"H LEG, B/Y, 'P', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-Q	VINYL LET, 2"H LEG, B/Y, 'Q', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68

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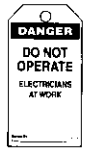
Effective Date: March 23, 2001

PVL
Letters & Numbers

PVS0204C171
Safety Sign

PVS0710C180
Safety Sign

PVS0710D72
Safety Sign



PVT-23
Plastic Tag

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PVL200BY-R	VINYL LET, 2"H LEG, B/Y, 'R', 10 MK/CD	25 CG		1	25	100	C	$ 318.28	$ 220.79	$ 190.68
PVL200BY-S	VINYL LET, 2"H LEG, B/Y, 'S', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-T	VINYL LET, 2"H LEG, B/Y, 'T', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-U	VINYL LET, 2"H LEG, B/Y, 'U, 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-V	VINYL LET, 2"H LEG, B/Y, 'V', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-W	VINYL LET, 2"H LEG, B/Y, 'W', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-X	VINYL LET, 2"H LEG, B/Y, 'X', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-Y	VINYL LET, 2"H LEG, B/Y, 'Y', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVL200BY-Z	VINYL LET, 2"H LEG, B/Y, 'Z', 10 MK/CD	25 CG		1	25	100	C	318.28	220.79	190.68
PVS0109D72	ADH SIGN, 'DANGER HIGH VOLTAGE'	5 PC	25	1	10	50	PC	1.93	1.79	1.56
PVS0204C171	ADH SIGN, 'LOCK OUT FOR SAFETY BEFORE'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C175	ADH SIGN, 'LOCK OUT FOR SAFETY'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C176	ADH SIGN, 'LOCK OUT BEFORE SERVICING'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C177	ADH SIGN, 'LOCK OUT HERE'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C178	ADH SIGN, 'THIS DISCONNECT DOES NOT'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C179	ADH SIGN, 'MACHINE LOCKOUT POINT'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C501	ADH SIGN, 'REMOVE ALL DOUBT USE LOCKOUT'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C522	ADH SIGN, 'THIS DEVICE CONTROLLED BY AN'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C523	ADH SIGN, 'LOCK IT OUT BEFORE YOU START'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C524	ADH SIGN, 'USE LOCKOUT DEVICE DURING'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C525	ADH SIGN, 'WHEN LOCKED OUT DO NOT TOUCH'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C526	ADH SIGN, 'THIS EQUIPMENT HAS BEEN'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C529	ADH SIGN, 'MAKE SURE ALL POWER SOURCES'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C531	ADH SIGN, 'BE SAFE LOCK IT OUT'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204C533	ADH SIGN, 'DO NOT START'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204D72	ADH SIGN, 'HIGH VOLTAGE'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204D100	ADH SIGN, 'STARTS AUTOMATICALLY'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0204W172	ADH SIGN, 'LOCK OUT SWITCHES BEFORE'	5 CG	100	1	10	50	CG	1.91	1.77	1.55
PVS0209C446	ADH SIGN, 'CAUTION'	5 PC	100	1	10	50	PC	1.91	1.77	1.55
PVS0209D445	ADH SIGN, 'DANGER'	5 PC	100	1	10	50	PC	1.91	1.77	1.55
PVS0305C174	ADH SIGN, 'THIS UNIT IS FED BY MORE'	5 CG	100	1	10	50	CG	2.93	2.72	2.38
PVS0503N458	ADH SIGN, 'THE FOLLOWING STEPS MUST BE'	5 PC	100	1	10	50	PC	2.93	2.72	2.38
PVS0505C174	ADH SIGN, 'THIS UNIT IS FED BY MORE'	5 PC	100	1	10	50	PC	2.93	2.72	2.38
PVS0507C175	ADH SIGN, 'LOCK OUT FOR SAFETY'	5 PC	100	1	10	50	PC	3.83	3.56	3.11
PVS0509B364	ADH SIGN, 'DANGER HIGH VOLTAGE'	5 PC	100	1	10	50	PC	3.83	3.56	3.11
PVS0514B380-E	ADH SIGN, 'ESTO NO ES UNA SALIDA'	1 PC		1	10	50	PC	5.28	4.90	4.29
PVS0514C446	ADH SIGN, 'CAUTION'	5 PC	100	1	10	50	PC	5.28	4.90	4.29
PVS0514D445	ADH SIGN, 'DANGER'	5 PC	100	1	10	50	PC	5.28	4.90	4.29
PVS0705C181	ADH SIGN, 'WHEN THROWING SWITCH USE'	5 PC	100	1	10	50	PC	3.83	3.56	3.11
PVS0705N458	ADH SIGN, 'THE FOLLOWING STEPS MUST BE'	5 PC	100	1	10	50	PC	3.83	3.56	3.11
PVS0710B364	ADH SIGN, 'DANGER HIGH VOLTAGE'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS0710C171	ADH SIGN, 'LOCK OUT FOR SAFETY BEFORE'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS0710C173	ADH SIGN, 'USE LOCK-OUT DEVICE DURING'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS0710C180	ADH SIGN, 'BE SAFE LOCK IT OUT'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS0710C518	ADH SIGN, 'MORE THAN ONE VOLTAGE SOURCE'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS0710C519	ADH SIGN, 'MORE THAN ONE ENERGY SOURCE'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS0710D66-E	ADH SIGN, 'AREA EN FRENTE DE ESTE PANEL'	1 PC		1	10	50	PC	5.28	4.90	4.29
PVS0710D72	ADH SIGN, 'HIGH VOLTAGE'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS0710W172	ADH SIGN, 'LOCK OUT SWITCHES BEFORE'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS1007N458	ADH SIGN, 'THE FOLLOWING STEPS MUST BE'	1 PC	25	1	10	50	PC	5.28	4.90	4.29
PVS1405B319-E	ADH SIGN, 'FUEGO EXTINGUIDOR'	1 PC		1	10	50	PC	6.90	6.41	5.60
PVT-15	PLASTIC TAG, 'DO NOT OPERATE', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-23	PLASTIC TAG, 'DO NOT OPERATE EL', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-30	PLASTIC TAG, 'ELECTRICIANiS BLOC', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-41	PLASTIC TAG, 'DO NOT OPERATE', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59

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All prices subject to change without notice.

PVT-97-Q
Plastic Tag

PVT-98-Q
Plastic Tag

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PVT-43	PLASTIC TAG, 'DO NOT OPERATE EL', 5/PK	1 PK	20	1	10	25	PK	$ 8.80	$ 7.54	$ 6.59
PVT-44	PLASTIC TAG, 'DO NOT OPERATE MAI', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-44-Q	PLASTIC TAG, 'DO NOT OPERATE MAI', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-51A-E	PLASTIC TAG, 'NO TOQUE LOS INTERR', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-52-Q	PLASTIC TAG, 'DO NOT TOUCH THIS', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-57-Q	PLASTIC TAG, 'LOCKED TO PROTECT', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-62-Q	PLASTIC TAG, 'THIS TAG MUST NOT', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-94-Q	PLASTIC TAG, BLANK-WHT, 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-95-Q	PLASTIC TAG, BLANK-YEL, 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-96	PLASTIC TAG, 'EQUIPMENT LOCKED', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-96-Q	PLASTIC TAG, 'EQUIPMENT LOCKED', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-97	PLASTIC TAG, 'A LIFE IS ON THE', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-97-Q	PLASTIC TAG, 'A LIFE IS ON THE', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-97S-Q	PLASTIC TAG, 'Spanish: A LIFE IS', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-98	PLASTIC TAG, 'THIS TAG AND LOCK', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-98-Q	PLASTIC TAG, 'THIS TAG AND LOCK', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-99	PLASTIC TAG, 'DO NOT OPERATE I', 5/PK	1 PK		1	10	25	PK	8.80	7.54	6.59
PVT-110	PLASTIC TAG, DO NOT THROW SYM, ENG, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-110-D	PLASTIC TAG, DO NOT THROW SYM, DEU, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-110-E	PLASTIC TAG, DO NOT THROW SYM, ESP, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-110-F	PLASTIC TAG, DO NOT THROW SYM, FRA, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-110-I	PLASTIC TAG, DO NOT THROW SYM, ITA, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-110-N	PLASTIC TAG, DO NOT THROW SYM, NOR, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-110-NL	PLASTIC TAG, DO NOT THROW SYM, NLD, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-110-P	PLASTIC TAG, DO NOT THROW SYM, PRT, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111	PLASTIC TAG, PROHIBITION SYM, ENG, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111-D	PLASTIC TAG, PROHIBITION SYM, DEU, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111-E	PLASTIC TAG, PROHIBITION SYM, ESP, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111-F	PLASTIC TAG, PROHIBITION SYM, FRA, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111-I	PLASTIC TAG, PROHIBITION SYM, ITA, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111-N	PLASTIC TAG, PROHIBITION SYM, NOR, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111-NL	PLASTIC TAG, PROHIBITION SYM, NLD, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-111-P	PLASTIC TAG, PROHIBITION SYM, PRT, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112	PLASTIC TAG, ELECTR VOLT SYM, ENG, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112-D	PLASTIC TAG, ELECTR VOLT SYM, DEU, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112-E	PLASTIC TAG, ELECTR VOLT SYM, ESP, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112-F	PLASTIC TAG, ELECTR VOLT SYM, FRA, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112-I	PLASTIC TAG, ELECTR VOLT SYM, ITA, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112-N	PLASTIC TAG, ELECTR VOLT SYM, NOR, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112-NL	PLASTIC TAG, ELECTR VOLT SYM, NLD, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-112-P	PLASTIC TAG, ELECTR VOLT SYM, PRT, 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-113-Q	PLASTIC TAG, CAUTION HEADER ONLY, 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-118-Q	PLASTIC TAG, DANGER HEADER ONLY, 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-150-Q	PLASTIC TAG, 'DO NOT OPEN VALVE', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-153-Q	PLASTIC TAG, 'DO NOT OPERATE EQ', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-155	PLASTIC TAG, 'DO NOT OPERATE THI', 5/PK	1 PK	20	1	10	25	PK	8.80	7.54	6.59
PVT-155-Q	PLASTIC TAG, 'DO NOT OPERATE THI', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-156-Q	PLASTIC TAG, 'DO NOT START EQUIP', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-157-Q	PLASTIC TAG, 'DO NOT START MEN', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-161-Q	PLASTIC TAG, 'DO NOT OPERATE', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-162-Q	PLASTIC TAG, 'DO NOT START EQUIP', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-163-Q	PLASTIC TAG, 'DO NOT START MEN', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-165-Q	PLASTIC TAG, 'DO NOT ENERGIZE EQ', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-179-Q	PLASTIC TAG, BLANK-RED, 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-180-Q	PLASTIC TAG, BLANK-ORN, 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30

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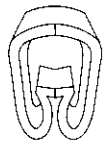
Effective Date: March 23, 2001

PCT-238-Q
Paper Tag



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PVT-182-Q	PLASTIC TAG, BLANK-GRN, 25/PK	1 PK	4	1	10	25	PK	$ 35.14	$ 30.09	$ 26.30
PVT-232-Q	PLASTIC TAG, BLANK-BLU, 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
PVT-238-Q	PLASTIC TAG, '_____ VOLTS', 25/PK	1 PK	4	1	10	25	PK	35.14	30.09	26.30
SEZ-1CLL	LASER ADH SIGN BLANK, 'CAUTION', B/Y	1 PK	5	1	10	50	PK	73.58	68.33	59.73
SEZ-1DLL	LASER ADH SIGN BLANK, 'DANGER', R/B/W	1 PK	5	1	10	50	PK	73.58	68.33	59.73
SEZ-1NLL	LASER ADH SIGN BLANK, 'NOTICE', BU/WH	1 PK	5	1	10	50	PK	73.58	68.33	59.73
SEZ-1WLL	LASER ADH SIGN BLANK, WHT	1 PK	5	1	10	50	PK	73.58	68.33	59.73
SEZ-1YLL	LASER ADH SIGN BLANK, YEL	1 PK	5	1	10	50	PK	73.58	68.33	59.73
SEZ-PM	SAFETY EASE PIPE MARKER SOFTWARE, 3.5	1 PC		1			PK	307.23		
SEZ-RSC1	RIGID SIGN CARRIER, 7.0" X 6.0", 5/PKG	1 PK	10	1	10	25	PK	37.21	31.86	27.85
SEZ-RSC2	RIGID SIGN CARRIER, 10.5" X 7.0", 5/PKG	1 PK	10	1	10	25	PK	45.59	39.04	34.13
SEZ-RSC3	RIGID SIGN CARRIER, 12.0" X 9.5", 5/PKG	1 PK	10	1	10	25	PK	57.82	49.51	43.28
SEZ-RSC4	RIGID SIGN CARRIER, 12.0" X 6.0", 5/PKG	1 PK	10	1	10	25	PK	45.96	39.35	34.40
SEZ-SN	SAFETY EASE SAFETY SIGN SOFTWARE, 3.5	1 PK		1			PK	279.26		
SEZ-SNC1	ADH SIGN CARRIER, 12.0" X 9.5", 5/PKG	1 PK	10	1	10	25	PK	48.15	41.23	36.04
SEZ-SNC2	ADH SIGN CARRIER, 10.5" X 7.0", 5/PKG	1 PK	10	1	10	25	PK	45.22	38.72	33.85
SEZ-SNC3	ADH SIGN CARRIER, 12.0" X 6.0", 5/PKG	1 PK	10	1	10	25	PK	45.77	39.20	34.26
SEZ-SNC4	ADH SIGN CARRIER, 7.0" X 6.0", 5/PKG	1 PK	10	1	10	25	PK	41.58	35.61	31.13
SEZ-TAGOR	IJ CARD ST TAGS, 3" X 5", ORN, 100 TG/PK	1 PK	5	1	10	25	PK	125.83	107.75	94.19
SEZ-TAGWH	IJ CARD ST TAGS, 3" X 5", WHT, 100 TG/PK	1 PK	5	1	10	25	PK	125.83	107.75	94.19
SEZ-TAGY	IJ CARD ST TAGS, 3" X 5", YEL, 100 TG/PK	1 PK	5	1	10	25	PK	125.83	107.75	94.19
SLCT-3	SELF-LAM CABLE MKR HOLDER, WHT, 25/PKG	1 PK	4	1	10		PK	32.23	28.95	
SLCT-3OR	SELF-LAM CABLE MKR HOLDER, ORN, 25/PKG	1 PK	4	1	10		PK	35.45	31.84	
SLCT-3YL	SELF-LAM CABLE MKR HOLDER, YEL, 25/PKG	1 PK	4	1	10		PK	35.45	31.84	
SLCT-BR	SELF-LAM CABLE MKR HOLDER, BRN, 25/PKG	1 PK	4	1	10		PK	43.79	39.32	
SLCT-IG	SELF-LAM CABLE MKR HOLDER, GRY 25/PKG	1 PK	4	1	10		PK	43.79	39.32	
SLCT-OR	SELF-LAM CABLE MKR HOLDER, ORN, 25/PKG	1 PK	4	1	10		PK	43.79	39.32	
SLCT-WH	SELF-LAM CABLE MKR HOLDER, WHT, 25/PKG	1 PK	4	1	10		PK	40.29	36.18	
SLCT-YL	SELF-LAM CABLE MKR HOLDER, YEL, 25/PKG	1 PK	4	1	10		PK	43.79	39.32	
SM1W-0	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-0-9	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	37.32	33.52	
SM1W-1	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-2	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-3	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-4	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-5	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-6	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-7	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-8	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-9	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-A	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-A-J	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	37.32	33.52	
SM1W-B	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-BLNK	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-C	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-D	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-E	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-F	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-G	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-GND	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-H	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-I	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-J	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-K	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-K-T	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	37.32	33.52	

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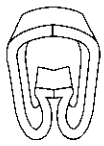
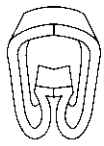


SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM1W-L	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	$ 18.68	$ 16.78	$
SM1W-M	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-MNS	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-N	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-O	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-P	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-PLS	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-Q	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-R	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-S	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-SLH	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-T	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-U	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-U-Z	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	37.32	33.52	
SM1W-V	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-W	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-X	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-Y	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1W-Z	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-0	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-0-9	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	37.32	33.52	
SM1Y-1	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-2	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-3	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-4	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-5	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-6	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-7	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-8	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-9	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-A	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-A-J	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	37.32	33.52	
SM1Y-B	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-BLNK	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-C	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-D	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-E	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-F	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-G	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-GND	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-H	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-I	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-J	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-K	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-K-T	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	37.32	33.52	
SM1Y-L	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-M	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-MNS	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-N	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-O	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-P	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-PLS	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-Q	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-R	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-S	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	

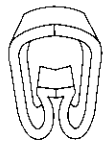
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM1Y-SLH	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	$ 18.68	$ 16.78	$
SM1Y-T	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-U	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-U-Z	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	37.32	33.52	
SM1Y-V	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-W	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-X	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-Y	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM1Y-Z	SLIP-ON WIRE MKR, .10"-.20", B/Y 250 PC	1 PK	10	1	10		PK	18.68	16.78	
SM02W-0	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-0	SLIP-ON WIRE MKR, .10"-.20", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-0-9	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2W-0-9	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02W-1	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-1	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-2	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-2	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-3	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-3	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-4	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-4	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-5	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-5	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-6	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-6	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-7	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-7	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-8	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-8	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-9	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-9	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-A	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-A	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-A-J	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2W-A-J	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02W-B	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-B	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-BLNK	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-BLNK	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-C	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-C	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-D	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-D	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-E	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-E	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-F	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-F	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-G	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-G	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-GND	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-GND	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-H	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-H	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-I	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-I	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	

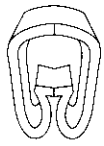
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM02W-J	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	$ 17.49	$ 15.71	$
SM2W-J	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-K	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-K	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-K-T	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2W-K-T	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02W-L	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-L	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-M	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-M	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-MNS	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-MNS	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-N	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-N	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-O	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-O	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-P	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-P	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-PLS	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-PLS	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-Q	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-Q	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-R	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-R	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-S	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-S	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-SLH	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-SLH	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-T	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-T	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-U	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-U	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-U-Z	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2W-U-Z	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02W-V	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-V	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-W	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-W	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-X	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-X	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-Y	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-Y	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02W-Z	SLIP-ON WIRE MKR, .05"-.12", B/W 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2W-Z	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-0	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-0	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-0-9	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2Y-0-9	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02Y-1	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-1	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-2	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-2	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-3	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-3	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-4	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM2Y-4	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	$ 25.98	$ 23.34	$
SM02Y-5	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-5	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-6	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-6	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-7	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-7	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-8	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-8	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-9	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-9	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-A	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-A	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-A-J	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2Y-A-J	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02Y-B	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-B	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-BLNK	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-BLNK	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-C	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-C	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-D	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-D	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-E	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-E	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-F	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-F	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-G	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-G	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-GND	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-GND	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-H	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-H	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-I	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-I	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-J	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-J	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-K	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-K	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-K-T	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2Y-K-T	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02Y-L	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-L	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-M	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-M	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-MNS	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-MNS	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-N	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-N	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-O	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-O	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-P	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-P	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-PLS	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-PLS	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	

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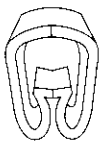
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM02Y-Q	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	$ 17.49	$ 15.71	$
SM2Y-Q	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-R	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-R	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-S	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-S	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-SLH	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-SLH	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-T	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-T	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-U	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-U	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-U-Z	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	34.95	31.39	
SM2Y-U-Z	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	52.41	47.07	
SM02Y-V	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-V	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-W	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-W	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-X	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-X	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-Y	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-Y	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM02Y-Z	SLIP-ON WIRE MKR, .05"-.12", B/Y 250 PC	1 PK	10	1	10		PK	17.49	15.71	
SM2Y-Z	SLIP-ON WIRE MKR, .16"-.39", B/Y 250 PC	1 PK	10	1	10		PK	25.98	23.34	
SM3W-0	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-1	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-2	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-3	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-4	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-5	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-6	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-7	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-8	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-9	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-A	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-B	SLIP-ON WIRE MKR, .16"-.39", B/W 250 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-BLNK	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-C	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-D	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-E	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-F	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-G	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-GND	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-H	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-I	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-J	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-K	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-L	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-M	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-MNS	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-N	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-O	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-P	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-PLS	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-Q	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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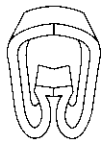
All prices subject to change without notice.

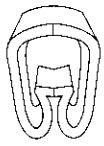
Effective Date: March 23, 2001



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM3W-R	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	$ 19.95	$ 17.92	$
SM3W-S	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-SLH	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-T	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-U	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-V	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-W	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-X	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-Y	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3W-Z	SLIP-ON WIRE MKR, .32"-.63", B/W 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-0	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-1	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-2	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-3	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-4	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-5	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-6	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-7	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-8	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-9	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-A	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-B	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-BLNK	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-C	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-D	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-E	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-F	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-G	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-GND	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-H	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-I	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-J	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-K	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-L	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-M	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-MNS	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-N	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-O	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-P	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-PLS	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-Q	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-R	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-S	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-SLH	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-T	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-U	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-V	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-W	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-X	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-Y	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM3Y-Z	SLIP-ON WIRE MKR, .32"-.63", B/Y 100 PC	1 PK	10	1	10		PK	19.95	17.92	
SM4W-0	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-1	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-2	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-3	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM4W-4	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	$ 12.91	$ 11.59	$
SM4W-5	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-6	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-7	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-8	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-9	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-A	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-B	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-BLNK	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-C	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-D	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-E	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-F	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-G	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-GND	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-H	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-I	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-J	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-K	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-L	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-M	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-MNS	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-N	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-O	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-P	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-PLS	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-Q	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-R	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-S	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-SLH	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-T	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-U	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-V	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-W	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-X	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-Y	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4W-Z	SLIP-ON WIRE MKR, .55"-.98", B/W 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-0	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-1	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-2	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-3	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-4	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-5	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-6	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-7	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-8	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-9	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-A	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-B	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-BLNK	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-C	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-D	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-E	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-F	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-G	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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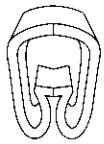
All prices subject to change without notice.

Effective Date: March 23, 2001



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SM4Y-GND	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	$ 12.91	$ 11.59	$
SM4Y-H	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-I	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-J	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-K	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-L	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-M	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-MNS	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-N	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-O	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-P	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-PLS	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-Q	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-R	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-S	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-SLH	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-T	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-U	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-V	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-W	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-X	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-Y	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SM4Y-Z	SLIP-ON WIRE MKR, .55"-.98", B/Y 20 PC	1 PK	10	1	10		PK	12.91	11.59	
SMB1W-0	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-1	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-2	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-3	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-4	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-5	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-6	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-7	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-8	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-9	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-A	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-B	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-BLNK	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-C	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-D	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-E	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-F	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-G	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-GND	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-H	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-I	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-J	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-K	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-L	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-M	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-MNS	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-N	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-O	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-P	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-PLS	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-Q	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-R	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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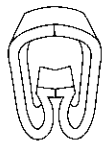
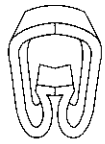


SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SMB1W-S	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	$ 48.40	$ 43.47	$
SMB1W-SLH	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-T	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-U	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-V	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-W	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-X	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-Y	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1W-Z	SLIP-ON WIRE MKR, .10"-.20", B/W 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-0	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-1	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-2	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-3	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-4	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-5	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-6	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-7	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-8	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-9	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-A	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-B	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-BLNK	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-C	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-D	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-E	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-F	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-G	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-GND	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-H	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-I	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-J	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-K	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-L	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-M	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-MNS	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-N	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-O	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-P	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-PLS	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-Q	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-R	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-S	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-SLH	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-T	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-U	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-V	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-W	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-X	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-Y	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB1Y-Z	SLIP-ON WIRE MKR, .10"-.20", B/Y 1000 PC	1 PK	10	1	10		PK	48.40	43.47	
SMB02W-0	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-0	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-1	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-1	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-2	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	

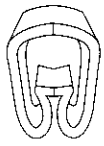
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SMB2W-2	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	$ 77.68	$ 69.77	$
SMB02W-3	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-3	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-4	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-4	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-5	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-5	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-6	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-6	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-7	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-7	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-8	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-8	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-9	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-9	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-A	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-A	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-B	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-B	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-BLNK	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-BLNK	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-C	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-C	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-D	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-D	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-E	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-E	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-F	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-F	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-G	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-G	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-GND	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-GND	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-H	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-H	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-I	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-I	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-J	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-J	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-K	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-K	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-L	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-L	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-M	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-M	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-MNS	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-MNS	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-N	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-N	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-O	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-O	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-P	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-P	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-PLS	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-PLS	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	

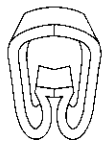
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SMB02W-Q	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	$ 45.70	$ 41.05	$
SMB2W-Q	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-R	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-R	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-S	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-S	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-SLH	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-SLH	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-T	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-T	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-U	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-U	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-V	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-V	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-W	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-W	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-X	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-X	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-Y	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-Y	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02W-Z	SLIP-ON WIRE MKR, .05"-.12", B/W 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2W-Z	SLIP-ON WIRE MKR, .16"-.39", B/W 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-0	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-0	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-1	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-1	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-2	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-2	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-3	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-3	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-4	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-4	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-5	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-5	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-6	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-6	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-7	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-7	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-8	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-8	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-9	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-9	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-A	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-A	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-B	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-B	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-BLNK	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-BLNK	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-C	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-C	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-D	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-D	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-E	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-E	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-F	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	

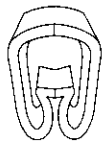
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SMB2Y-F	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	$ 77.68	$ 69.77	$
SMB02Y-G	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-G	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-GND	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-GND	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-H	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-H	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-I	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-I	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-J	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-J	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-K	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-K	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-L	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-L	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-M	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-M	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-MNS	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-MNS	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-N	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-N	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-O	SLIP-ON WIRE MKR, .05"-.12", B/Y1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-O	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-P	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-P	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-PLS	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-PLS	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-Q	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-Q	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-R	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-R	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-S	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-S	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-SLH	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-SLH	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-T	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-T	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-U	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-U	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-V	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-V	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-W	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-W	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-X	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-X	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-Y	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-Y	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB02Y-Z	SLIP-ON WIRE MKR, .05"-.12", B/Y 1000 PC	1 PK	10	1	10		PK	45.70	41.05	
SMB2Y-Z	SLIP-ON WIRE MKR, .16"-.39", B/Y 1000 PC	1 PK	10	1	10		PK	77.68	69.77	
SMB3W-0	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-1	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-2	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-3	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-4	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-5	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SMB3W-6	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	$ 43.21	$ 38.80	$
SMB3W-7	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-8	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-9	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-A	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-B	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-BLNK	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-C	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-D	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-E	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-F	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-G	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-GND	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-H	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-I	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-J	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-K	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-L	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-M	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-MNS	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-N	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-O	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-P	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-PLS	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-Q	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-R	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-S	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-SLH	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-T	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-U	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-V	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-W	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-X	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-Y	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3W-Z	SLIP-ON WIRE MKR, .32"-.63", B/W 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-0	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-1	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-2	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-3	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-4	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-5	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-6	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-7	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-8	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-9	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-A	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-B	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-BLNK	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-C	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-D	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-E	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-F	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-G	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-GND	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-H	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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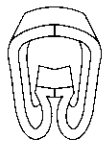
All prices subject to change without notice.

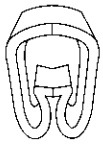
Effective Date: March 23, 2001



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SMB3Y-I	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	$ 43.21	$ 38.80	$
SMB3Y-J	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-K	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-L	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-M	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-MNS	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-N	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-O	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-P	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-PLS	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-Q	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-R	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-S	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-SLH	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-T	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-U	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-V	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-W	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-X	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-Y	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB3Y-Z	SLIP-ON WIRE MKR, .32"-.63", B/Y 250 PC	1 PK	10	1	10		PK	43.21	38.80	
SMB4W-0	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-1	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-2	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-3	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-4	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-5	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-6	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-7	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-8	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-9	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-A	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-B	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-BLNK	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-C	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-D	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-E	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-F	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-G	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-GND	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-H	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-I	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-J	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-K	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-L	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-M	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-MNS	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-N	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-O	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-P	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-PLS	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-Q	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-R	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-S	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-SLH	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



SM
Slip-On Wire Markers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SMB4W-T	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	$ 55.78	$ 50.10	$
SMB4W-U	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-V	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-W	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-X	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-Y	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4W-Z	SLIP-ON WIRE MKR, .55"-.98", B/W 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-0	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-1	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-2	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-3	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-4	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-5	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-6	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-7	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-8	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-9	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-A	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-B	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-BLNK	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-C	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-D	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-E	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-F	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-G	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-GND	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-H	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-I	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-J	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-K	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-L	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-M	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-MNS	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-N	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-O	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-P	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-PLS	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-Q	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-R	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-S	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-SLH	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-T	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-U	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-V	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-W	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-X	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-Y	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
SMB4Y-Z	SLIP-ON WIRE MKR, .55"-.98", B/Y 100 PC	1 PK	10	1	10		PK	55.78	50.10	
TC-10C	LS6 COMP LABEL, 1.00" X 0.50", 500/RL	1 RL		1			RL	41.13		
TC-11Y	LS6 COMP LABEL, 1.50" X 0.50", 500/RL	1 RL	30	1			RL	34.16		
TC-16Y	LS6 COMP LABEL, 2.00" X 0.25", 250/RL	1 RL	30	1			RL	32.99		
TC-17K	LS6 COMP LABEL, 1.00" X 0.38", 500/RL	1 RL		1			RL	118.49		
TC-17KW	LS6 COMP LABEL, 1.00" X 0.38", 500/RL	1 RL		1			RL	118.49		
TC-17Y	LS6 COMP LABEL, 1.00" X 0.38", 500/RL	1 RL		1			RL	30.66		
TC-18K	LS6 COMP LABEL, 1.25" X 0.25", 750/RL	1 RL		1			RL	133.63		

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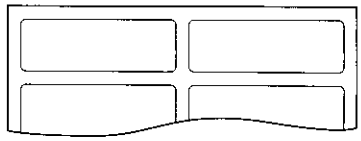

TTC
Blank Thermal Transfer Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TC-18KW	LS6 COMP LABEL, 1.25" X 0.25", 750/RL	1 RL		1			RL	$ 133.63	$	$
TC-19Y	LS6 COMP LABEL, 0.65" X 0.20", 750/RL	1 RL		1			RL	35.57		
TCPLFWH	LS6 2 POS PATCH PANEL LBL, WHT, 500/RL	1 RL		1			RL	25.33		
TCT-1V	LS6 VINYL TAPE, 1.00" X 50', WHT, 1/RL	1 RL		1			RL	49.16		
TCT-2V	LS6 VINYL TAPE, 1.00" X 50', CLR, 1/RL	1 RL		1			RL	49.16		
TCT-3V	LS6 VINYL TAPE, 1.00" X 50', YEL, 1/RL	1 RL		1			RL	49.16		
TCT-7V	LS6 VINYL TAPE, 0.33" X 50', WHT, 1/RL	1 RL		1			RL	33.31		
TCT-8V	LS6 VINYL TAPE, 2.00" X 50', WHT, 1/RL	1 RL		1			RL	73.86		
TCT-9V	LS6 VINYL TAPE, 2.00" X 50', YEL, 1/RL	1 RL		1			RL	73.86		
TFL1A	ADH LABEL, 9.00" X 2.25", B/W, 'COMM CL'	5 CG	50	5	50	250	C	327.07	280.07	244.81
TFL1B	ADH LABEL, 4.50" X 1.13", B/W, 'COMM CL'	5 CG	50	5	50	250	C	327.07	280.07	244.81
TFL1C	ADH LABEL, 2.25" X 0.50", B/W, 'COMM CL'	5 CG	50	5	50	250	C	327.07	280.07	244.81
TFL2A	ADH LABEL, 9.00" X 2.25", W/B, 'TMGB'	5 CG	50	5	50	250	C	327.07	280.07	244.81
TFL2B	ADH LABEL, 4.50" X 1.13", W/B, 'TMGB'	5 CG	50	5	50	250	C	327.07	280.07	244.81
TFL2C	ADH LABEL, 2.25" X 0.50", W/B, 'TMGB'	5 CG	50	5	50	250	C	327.07	280.07	244.81
THSW-1	LS6 HT SHRINK, 0.13"OD X .5"W, WH 200/RL	1 RL		1			RL	35.19		
THSW-2	LS6 HT SHRINK, 0.13"OD X 1"W, WH 100/RL	1 RL		1			RL	35.19		
THSW-3	LS6 HT SHRINK, 0.25"OD X .5"W, WH 200/RL	1 RL		1			RL	47.48		
THSW-4	LS6 HT SHRINK, 0.25"OD X 1"W, WH 100/RL	1 RL		1			RL	47.48		
THSW-5	LS6 HT SHRINK, 0.50"OD X 1"W, WH 100/RL	1 RL		1			RL	80.97		
THSW-6	LS6 HT SHRINK, 0.19"OD X .5"W, WH 200/RL	1 RL		1			RL	39.19		
THSW-7	LS6 HT SHRINK, 0.19"OD X 1"W, WH 100/RL	1 RL		1			RL	39.19		
TPJ1WH	LS6 WRAP-AROUND JACK LABEL, WHT, 500/RL	1 RL	30	1			RL	34.13		
TPP2WH	LS6 6 POS PATCH PANEL LBL, WHT, 100/RL	1 RL		1			RL	17.02		
TTC-CPL-.5	PATCH PANEL/FURN FP LABEL, TT, WHT	500 PC	2000	2500	30000	50000	M	33.23	26.93	23.88
TTC-DS110-.5	110 BLOCK LABEL, ADH, TT, WHT	500 PC	5000	500	5000	10000	M	292.49	237.02	210.13
TTC-EFPL-1	FACEPLATE LABEL, SGL GANG ADH, TT, WHT	1000 PC	5000	1000	5000	10000	M	91.92	74.49	66.04
TTC-EFPL10-1	FACEPLATE LABEL, DBL GANG ADH, TT, WHT	1000 PC	6000	1000	5000	10000	M	117.02	94.82	84.06
TTC-EFPLC-1	FACEPLATE LABEL, SGL GANG ADH, TT, CLR	1000 PC	5000	1000	5000	10000	M	91.92	74.49	66.04
TTC-MJ-5	MINI-JACK/OPTI-JACK LABEL, TT, CLR	5000 PC	20000	5000	30000	50000	M	41.90	33.95	30.10
TTC-MJWH-5	MINI-JACK/OPTI-JACK LABEL, TT, WHT	5000 PC	20000	5000	30000	50000	M	41.90	33.95	30.10
TTC1K-10	TT LABEL, 0.25" X 0.25", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	32.87	26.63	23.61
TTC1KW-10	TT LABEL, 0.25" X 0.25", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	32.87	26.63	23.61
TTC1Y-10	TT LABEL, 0.25" X 0.25", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	2.40	1.95	1.73
TTC2K-10	TT LABEL, 0.38" X 0.38", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	30.57	24.77	21.96
TTC2KW-10	TT LABEL, 0.38" X 0.38", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	30.57	24.77	21.96
TTC2Y-10	TT LABEL, 0.38" X 0.38", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	4.98	4.03	3.58
TTC3K-10	TT LABEL, 0.50" X 0.44", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	57.23	46.37	41.11
TTC3KW-10	TT LABEL, 0.50" X 0.44", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	57.23	46.37	41.11
TTC3Y-10	TT LABEL, 0.50" X 0.44", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	7.17	5.81	5.15
TTC3YS-10	TT LABEL, 0.50" X 0.44", POLYESTER, SIL	10000 PC	40000	10000	50000	100000	M	11.55	9.36	8.30
TTC3YST-10	TT LABEL, 0.50" X 0.44", TE POLY, SIL	10000 PC	40000	10000	50000	100000	M	12.89	10.45	9.26
TTC4K-10	TT LABEL, 0.65" X 0.20", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	32.94	26.69	23.66
TTC4KW-10	TT LABEL, 0.65" X 0.20", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	32.94	26.69	23.66
TTC4T-10	TT LABEL, 0.65" X 0.20", TEDLAR*, WHT	10000 PC	40000	10000	50000	100000	M	10.72	8.69	7.70
TTC4Y-10	TT LABEL, 0.65" X 0.20", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	4.63	3.75	3.33
TTC4YST-10	TT LABEL, 0.65" X 0.20", TE POLY, SIL	10000 PC	40000	10000	50000	100000	M	18.29	14.82	13.14
TTC5K-10	TT LABEL, 0.75" X 0.25", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	45.54	36.90	32.71
TTC5KW-10	TT LABEL, 0.75" X 0.25", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	45.54	36.90	32.71
TTC5T-10	TT LABEL, 0.75" X 0.25", TEDLAR*, WHT	10000 PC	40000	10000	50000	100000	M	11.08	8.98	7.96
TTC5Y-10	TT LABEL, 0.75" X 0.25", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	4.80	3.89	3.45
TTC5YS-10	TT LABEL, 0.75" X 0.25", POLYESTER, SIL	10000 PC	40000	10000	50000	100000	M	18.55	15.03	13.33
TTC5YST-10	TT LABEL, 0.75" X 0.25", TE POLY, SIL	10000 PC	40000	10000	50000	100000	M	20.97	16.99	15.06
TTC6K-10	TT LABEL, 0.90" X 0.25", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	46.13	37.38	33.14
TTC6KW-10	TT LABEL, 0.90" X 0.25", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	46.13	37.38	33.14

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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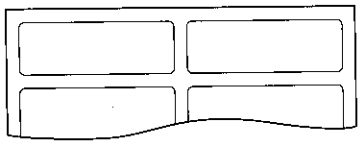

TTC
Blank Thermal Transfer Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TTC6T-10	TT LABEL, 0.90" X 0.25", TEDLAR*, WHT	10000 PC	40000	10000	50000	100000	M	$ 16.98	$ 13.76	$ 12.20
TTC6Y-10	TT LABEL, 0.90" X 0.25", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	7.15	5.80	5.14
TTC7K-10	TT LABEL, 1.00" X 0.38", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	74.45	60.33	53.49
TTC7KW-10	TT LABEL, 1.00" X 0.38", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	74.45	60.33	53.49
TTC7Y-10	TT LABEL, 1.00" X 0.38", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	7.92	6.42	5.69
TTC7YS-10	TT LABEL, 1.00" X 0.38", POLYESTER, SIL	10000 PC	40000	10000	50000	100000	M	19.26	15.61	13.84
TTC8ET-10	TT LABEL, 1.00" X 0.50", DST POLYET, WHT	10000 PC	40000	10000	50000	100000	M	34.12	27.65	24.51
TTC8K-10	TT LABEL, 1.00" X 0.50", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	99.23	80.41	71.29
TTC8KW-10	TT LABEL, 1.00" X 0.50", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	99.23	80.41	71.29
TTC8T-10	TT LABEL, 1.00" X 0.50", TEDLAR*, WHT	10000 PC	40000	10000	50000	100000	M	27.44	22.24	19.71
TTC8Y-10	TT LABEL, 1.00" X 0.50", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	11.94	9.67	8.58
TTC8YC-10	TT LABEL, 1.00" X 0.50", POLYESTER, CLR	10000 PC	40000	10000	50000	100000	M	15.61	12.65	11.21
TTC8YS-10	TT LABEL, 1.00" X 0.50", POLYESTER, SIL	10000 PC	40000	10000	50000	100000	M	25.70	20.83	18.46
TTC8YST-10	TT LABEL, 1.00" X 0.50", TE POLY, SIL	10000 PC	40000	10000	50000	100000	M	29.11	23.59	20.91
TTC9K-10	TT LABEL, 1.25" X 0..25", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	74.18	60.11	53.29
TTC9KW-10	TT LABEL, 1.25" X 0..25", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	74.18	60.11	53.29
TTC9Y-10	TT LABEL, 1.25" X 0..25", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	7.71	6.25	5.54
TTC10T-10	TT LABEL, 1.25" X 0.38", TEDLAR*, WHT	10000 PC	40000	10000	50000	100000	M	29.95	24.27	21.51
TTC10Y-10	TT LABEL, 1.25" X 0.38", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	11.36	9.21	8.16
TTC11K-10	TT LABEL, 1.50" X 0.25", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	88.64	71.83	63.68
TTC11KW-10	TT LABEL, 1.50" X 0.25", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	88.64	71.83	63.68
TTC11Y-10	TT LABEL, 1.50" X 0.25", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	8.27	6.70	5.94
TTC12Y-10	TT LABEL, 1.50" X 0.50", POLYESTER, WHT	10000 PC	30000	10000	50000	100000	M	16.23	13.16	11.66
TTC13K-10	TT LABEL, 1.50" X 0.75", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	283.53	229.76	203.69
TTC13KW-10	TT LABEL, 1.50" X 0.75", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	283.53	229.76	203.69
TTC13Y-10	TT LABEL, 1.50" X 0.75", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	24.38	19.75	17.51
TTC13YS-10	TT LABEL, 1.50" X 0.75", POLYESTER, SIL	10000 PC	40000	10000	50000	100000	M	51.33	41.60	36.88
TTC14Y-2.5	TT LABEL, 1.50" X 0.81", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	27.02	21.90	19.41
TTC15P-2.5	TT LABEL, 1.50" X 1.00", PAPER, WHT	2500 PC	15000	2500	30000	50000	M	12.23	9.91	8.79
TTC15Y-2.5	TT LABEL, 1.50" X 1.00", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	33.23	26.93	23.88
TTC16Y-2.5	TT LABEL, 1.50" X 1.13", POLYESTER, WHT	2500 PC	12500	2500	30000	50000	M	36.57	29.64	26.28
TTC17Y-2.5	TT LABEL, 1.63" X 1.25", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	37.48	30.37	26.93
TTC18K-2.5	TT LABEL, 2.00" X 0.25", POLYIMIDE, TAN	2500 PC	10000	10000	50000	100000	M	124.39	100.80	89.36
TTC18KW-2.5	TT LABEL, 2.00" X 0.25", POLYIMIDE, WHT	2500 PC	10000	2500	30000	50000	M	124.39	100.80	89.36
TTC18Y-2.5	TT LABEL, 2.00" X 0.25", POLYESTER, WHT	2500 PC	10000	2500	30000	50000	M	13.83	11.21	9.94
TTC19Y-2.5	TT LABEL, 2.00" X 0.50", POLYESTER, WHT	2500 PC	15000	2500	30000	50000	M	24.85	20.13	17.85
TTC20P-2.5	TT LABEL, 2.00" X 1.00", PAPER, WHT	2500 PC	12500	2500	30000	50000	M	11.81	9.57	8.49
TTC20Y-2.5	TT LABEL, 2.00" X 1.00", POLYESTER, WHT	2500 PC	12500	2500	30000	50000	M	32.12	26.03	23.08
TTC20YC-2.5	TT LABEL, 2.00" X 1.00", POLYESTER, CLR	2500 PC	12500	2500	30000	50000	M	41.36	33.52	29.71
TTC20YS-2.5	TT LABEL, 2.00" X 1.00", POLYESTER, SIL	2500 PC	12500	2500	30000	50000	M	55.87	45.28	40.14
TTC20YST-2.5	TT LABEL, 2.00" X 1.00", TE POLY, SIL	2500 PC	12500	2500	30000	50000	M	59.25	48.01	42.56
TTC21P-2.5	TT LABEL, 2.00" X 1.25", PAPER, WHT	2500 PC	12500	2500	30000	50000	M	11.85	9.60	8.51
TTC22P-2.5	TT LABEL, 2.75" X 1.25", PAPER, WHT	2500 PC	7500	2500	30000	50000	M	21.25	17.22	15.26
TTC22Y-2.5	TT LABEL, 2.75" X 1.25", POLYESTER, WHT	2500 PC	7500	2500	30000	50000	M	55.31	44.82	39.74
TTC22YS-2.5	TT LABEL, 2.75" X 1.25", POLYESTER, SIL	2500 PC	7500	2500	30000	50000	M	91.73	74.34	65.90
TTC23K-2.5	TT LABEL, 3.00" X 0.25", POLYIMIDE, TAN	2500 PC	10000	500	5000	10000	M	182.14	147.60	130.85
TTC23KW-2.5	TT LABEL, 3.00" X 0.25", POLYIMIDE, WHT	2500 PC	10000	2500	30000	50000	M	182.14	147.60	130.85
TTC23Y-2.5	TT LABEL, 3.00" X 0.25", POLYESTER, WHT	2500 PC	7500	2500	30000	50000	M	18.58	15.06	13.35
TTC24P-2.5	TT LABEL, 3.00" X 1.00", PAPER, WHT	2500 PC	10000	2500	30000	50000	M	16.83	13.63	12.09
TTC24Y-2.5	TT LABEL, 3.00" X 1.00", POLYESTER, WHT	2500 PC	10000	2500	30000	50000	M	48.06	38.94	34.53
TTC24YC-2.5	TT LABEL, 3.00" X 1.00", POLYESTER, CLR	2500 PC	10000	2500	30000	50000	M	64.83	52.54	46.58
TTC24YS-2.5	TT LABEL, 3.00" X 1.00", POLYESTER, SIL	2500 PC	10000	2500	30000	50000	M	82.48	66.83	59.25
TTC24YST-2.5	TT LABEL, 3.00" X 1.00", TE POLY, SIL	2500 PC	10000	2500	30000	50000	M	93.46	75.73	67.14
TTC25P-1	TT LABEL, 3.00" X 2.00", PAPER, WHT	1000 PC	4000	1000	5000	10000	M	33.96	27.52	24.40
TTC25Y-1	TT LABEL, 3.00" X 2.00", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	96.40	78.11	69.25

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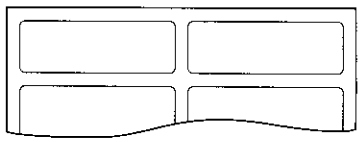

TTC
Blank Thermal Transfer Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TTC25YC-1	TT LABEL, 3.00" X 2.00", POLYESTER, CLR	1000 PC	4000	1000	5000	10000	M	$ 123.57	$ 100.14	$ 88.78
TTC25YS-1	TT LABEL, 3.00" X 2.00", POLYESTER, SIL	1000 PC	4000	1000	5000	10000	M	163.54	132.53	117.49
TTC25YST-1	TT LABEL, 3.00" X 2.00", TE POLY, SIL	1000 PC	4000	1000	5000	10000	M	187.08	151.60	134.40
TTC26P-1	TT LABEL, 3.00" X 5.00", PAPER, WHT	1000 PC	4000	1000	5000	10000	M	98.68	79.96	70.89
TTC27Y-10	TT LABEL, 3.25" X 0.31", POLYESTER, WHT	10000 PC	40000	10000	50000	100000	M	20.67	16.75	14.85
TTC28Y-10	TT LABEL, 3.25" X 0.50", POLYESTER, WHT	10000 PC	30000	10000	50000	100000	M	36.11	29.26	25.94
TTC29Y-5	TT LABEL, 3.25" X 0.63", POLYESTER, WHT	5000 PC	15000	5000	30000	50000	M	37.41	30.32	26.88
TTC30Y-2.5	TT LABEL, 3.25" X 0.81", POLYESTER, WHT	2500 PC	75000	2500	30000	50000	M	49.59	40.19	35.63
TTC31P-1	TT LABEL, 3.50" X 1.00", PAPER, WHT	1000 PC	4000	1000	5000	10000	M	33.65	27.27	24.18
TTC31Y-1	TT LABEL, 3.50" X 1.00", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	64.52	52.28	46.35
TTC32P-1	TT LABEL, 3.50" X 8.00", PAPER, WHT	1000 PC	3000	1000	5000	10000	M	125.99	102.10	90.51
TTC32Y-1	TT LABEL, 3.50" X 8.00", POLYESTER, WHT	1000 PC	3000	1000	5000	10000	M	323.22	261.92	232.20
TTC33P-.5	TT LABEL, 3.63" X 5.79", PAPER, WHT	500 PC	1500	500	5000	10000	M	131.53	106.58	94.49
TTC34P-.5	TT LABEL, 3.63" X 4.22", PAPER, WHT	500 PC	2000	500	5000	10000	M	95.73	77.58	68.78
TTC35P-2.5	TT LABEL, 4.00" X 1.00", PAPER, WHT	2500 PC	7500	2500	30000	50000	M	26.40	21.39	18.96
TTC35Y-2.5	TT LABEL, 4.00" X 1.00", POLYESTER, WHT	2500 PC	7500	2500	30000	50000	M	73.83	59.83	53.04
TTC36P-1	TT LABEL, 4.00" X 2.00", PAPER, WHT	1000 PC	4000	1000	5000	10000	M	47.99	38.89	34.48
TTC36Y-1	TT LABEL, 4.00" X 2.00", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	146.18	118.45	105.01
TTC36YS-1	TT LABEL, 4.00" X 2.00", POLYESTER, SIL	1000 PC	4000	1000	5000	10000	M	197.25	159.84	141.70
TTC37P-1	TT LABEL, 4.00" X 3.00", PAPER, WHT	1000 PC	3000	1000	5000	10000	M	50.51	40.93	36.29
TTC37Y-1	TT LABEL, 4.00" X 3.00", POLYESTER, WHT	1000 PC	3000	1000	5000	10000	M	257.68	208.81	185.11
TTC38P-1	TT LABEL, 4.00" X 4.00", PAPER, WHT	1000 PC	3000	1000	5000	10000	M	79.34	64.30	57.00
TTC38Y-1	TT LABEL, 4.00" X 4.00", POLYESTER, WHT	1000 PC	3000	1000	5000	10000	M	265.82	215.41	190.96
TTC39P-1	TT LABEL, 4.00" X 5.00", PAPER, WHT	1000 PC	2000	1000	5000	10000	M	97.28	78.83	69.89
TTC39Y-1	TT LABEL, 4.00" X 5.00", POLYESTER, WHT	1000 PC	2000	1000	5000	10000	M	295.35	239.33	212.18
TTC40P-1	TT LABEL, 4.00" X 6.00", PAPER, WHT	1000 PC	4000	1000	5000	10000	M	152.70	123.74	109.70
TTC40V-1	TT LABEL, 4.00" X 6.00", VINYL, WHT	1000 PC	4000	1000	5000	10000	M	309.69	250.95	222.48
TTC40Y-1	TT LABEL, 4.00" X 6.00", POLYESTER, WHT	1000 PC	4000	1000	5000	10000	M	387.12	313.70	278.10
TTC41P-1	TT LABEL, 4.00" X 6.50", PAPER, WHT	1000 PC	3000	1000	5000	10000	M	124.15	100.60	89.19
TTC41Y-1	TT LABEL, 4.00" X 6.50", POLYESTER, WHT	1000 PC	3000	1000	5000	10000	M	356.00	288.49	255.75
TTC42P-.5	TT LABEL, 4.00" X 12.88", PAPER, WHT	500 PC		2500	30000	50000	M	392.34	317.93	281.85
TTC42Y-.5	TT LABEL, 4.00" X 12.88", POLYESTER, WHT	500 PC		2500	30000	50000	M	855.61	693.34	614.66
TTC43P-1	TT LABEL, 5.00" X 4.00", PAPER, WHT	1000 PC	2000	1000	5000	10000	M	32.28	26.16	23.19
TTC43Y-1	TT LABEL, 5.00" X 4.00", POLYESTER, WHT	1000 PC	2000	1000	5000	10000	M	295.35	239.33	212.18
TTC44P-1	TT LABEL, 6.00" X 4.00", PAPER, WHT	1000 PC	2000	1000	5000	10000	M	105.51	85.50	75.80
TTC44Y-1	TT LABEL, 6.00" X 4.00", POLYESTER, WHT	1000 PC	2000	1000	5000	10000	M	265.42	215.08	190.68
TTC45Y-1	TT LABEL, 0.50" X 0.75", POLYESTER, WHT	1000 PC	3000	1000	5000	10000	M	8.27	6.70	5.94
TTC46P-5	TT LABEL, 3.00" X 1.00", PAPER, WHT	5000 PC	15000	5000	30000	50000	M	20.69	16.76	14.86
TTC47K-20	TT LABEL, 0.50" X 0.13", POLYIMIDE, TAN	20000 PC	80000	20000	40000	100000	M	35.10	28.44	25.21
TTC47KW-20	TT LABEL, 0.50" X 0.13", POLYIMIDE, WHT	20000 PC	80000	10000	50000	100000	M	32.87	26.63	23.61
TTC48K-10	TT LABEL, 0.70" X 0.38", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	45.52	36.89	32.70
TTC48KW-10	TT LABEL, 0.70" X 0.38", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	45.52	36.89	32.70
TTC49K-10	TT LABEL, 1.00" X 0.25", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	46.13	37.38	33.14
TTC49KW-10	TT LABEL, 1.00" X 0.25", POLYIMIDE, WHT	10000 PC	40000	10000	50000	100000	M	46.13	37.38	33.14
TTC50K-2.5	TT LABEL, 1.50" X 1.25", POLYIMIDE, TAN	2500 PC	10000	2500	30000	50000	M	204.94	166.07	147.23
TTC50KW-2.5	TT LABEL, 1.50" X 1.25", POLYIMIDE, WHT	2500 PC	10000	2500	30000	50000	M	204.94	166.07	147.23
TTC51Y-10	TT LABEL, 0.50" X .25" POLYESTER, WHT	10000 PC		10000	50000	100000	M	5.10	4.13	3.66
TTC52K-10	TT LABEL, 1.75" X 0.25", POLYIMIDE, TAN	10000 PC		10000	50000	100000	M	97.51	79.02	70.05
TTC52KW-10	TT LABEL, 1.75" X 0.25", POLYIMIDE, WHT	10000 PC		10000	50000	100000	M	97.51	79.02	70.05
TTC52Y-10	TT LABEL, 1.75" X .25" POLYESTER, WHT	10000 PC		10000	50000	100000	M	10.86	8.80	7.80
TTC53Y-10	TT LABEL, 1.85" X .375" POLYESTER, WHT	10000 PC		10000	50000	100000	M	91.92	74.49	66.04
TTC57Y-10	TT LABEL, 2.00" X .375" POLYESTER, WHT	10000 PC		10000	50000	100000	M	18.64	15.10	13.39
TTC58Y-10	TT LABEL, .3125" X .3125" POLYESTER, WHT	10000 PC		10000	50000	100000	M	3.41	2.76	2.45
TTC60Y-10	TT LABEL, 1.50" X .125" POLYESTER, WHT	10000 PC		10000	50000	100000	M	4.12	3.34	2.96
TTC61Y-10	TT LABEL, 1.375" X .25" POLYESTER, WHT	10000 PC		10000	50000	100000	M	7.53	6.11	5.41

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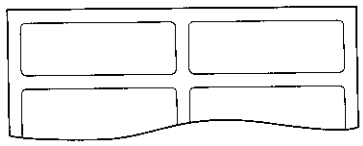

TTC
Blank Thermal Transfer Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TTC71P-2.5	TT LABEL, 3.00" X .1.75" PAPER, WHT	2500 PC		2500	30000	50000	M	$ 29.75	$ 24.11	$ 21.38
TTC71Y-2.5	TT LABEL, 3.00" X .1.75" POLYESTER, WHT	2500 PC		2500	30000	50000	M	84.41	68.40	60.64
TTC73Y-5	TT LABEL, 2.60" X 0.34", POLYESTER, WHT	5000 PC	20000	5000	30000	50000	M	117.02	94.82	84.06
TTC73YBU-5	TT LABEL, 2.60" X 0.34", POLYESTER, BLU	5000 PC	20000	5000	30000	50000	M	117.02	94.82	84.06
TTC73YGR-5	TT LABEL, 2.60" X 0.34", POLYESTER, GRN	5000 PC	20000	5000	30000	50000	M	117.02	94.82	84.06
TTC73YIG-5	TT LABEL, 2.60" X 0.34", POLYESTER, GRY	5000 PC	20000	5000	30000	50000	M	117.02	94.82	84.06
TTC73YOR-5	TT LABEL, 2.60" X 0.34", POLYESTER, ORN	5000 PC	20000	5000	30000	50000	M	117.02	94.82	84.06
TTC73YYL-5	TT LABEL, 2.60" X 0.34", POLYESTER, YEL	5000 PC	20000	5000	30000	50000	M	117.02	94.82	84.06
TTC74POWH-C	TT LABEL, 0.24" X 100', POLYOLEFIN, WH	1 RL	10	1	5	25	RL	71.60	58.02	51.44
TTC75POWH-C	TT LABEL, 0.31" X 100', POLYOLEFIN, WH	1 RL	10	1	5	25	RL	71.60	58.02	51.44
TTC76POWH-C	TT LABEL, 0.375" X 100', POLYOLEFIN, WH	1 RL	10	1	5	25	RL	71.60	58.02	51.44
TTC77K-10	TT LABEL, 0.75" X 0.75", POLYIMIDE, TAN	10000 PC	40000	10000	50000	100000	M	99.28	80.45	71.33
TTP2-CLR	TT ROLL, 2" X 100', POLYESTER, CLR	1 RL	4	1			RL	108.57		
TTP2-LAM	TT OVERLAMINATE, 2.25" X 100', CLR	1 RL	4	1			RL	25.59		
TTP4-CLR	TT ROLL, 4" X 100', POLYESTER, CLR	1 RL	4	1			RL	159.24		
TTP4-LAM	TT OVERLAMINATE, 4.25" X 100', CLR	1 RL	4	1			RL	37.13		
TTPA2-WHT	TT ROLL, 2" X 125', PAPER, WHT	1 RL	4	1			RL	19.37		
TTPA4-WHT	TT ROLL, 4" X 125', PAPER, WHT	1 RL	4	1			RL	33.83		
TTR-BL	TT RIBBON, 4.8" X 280', RESIN, BLK	1 RL	12	1	4	25	RL	40.32	32.67	28.96
TTR-BLU	TT RIBBON, 4.3" X 280', RESIN, BLUE	1 RL	12	1	4	25	RL	42.80	34.69	30.75
TTR-GRN	TT RIBBON, 4.3" X 280', RESIN, GREEN	1 RL	12	1	4	25	RL	42.80	34.69	30.75
TTR-RED	TT RIBBON, 4.3" X 280', RESIN, RED	1 RL	12	1	4	25	RL	42.80	34.69	30.75
TTR-WH	TT RIBBON, 4.8" X 262', RESIN, WHT	1 RL	12	1	4	25	RL	100.55	81.48	72.24
TTR2-BL	TT RIBBON, 2.5" X 280', RESIN, BLK	1 RL	12	1	4	25	RL	22.41	18.16	16.10
TTR2-WH	TT RIBBON, 2.5" X 262', RESIN, WHT	1 RL	12	1	4	25	RL	51.28	41.55	36.84
TTR4-BL-S	TT RIB, 4.3" X 1181', RESIN, STYLE S BLK	1 PC	2	1	4	25	PC	172.61	139.87	124.00
TTR4-BL-Z	TT RIB, 4.3" X 984', RESIN, STYLE Z BLK	1 PC	2	1	4	25	PC	143.79	116.52	103.30
TTR4W-BL-S	TT RIB, 4.3" X 1181', WAX, STYLE S BLK	1 PC	2	1	4	25	PC	103.58	83.94	74.41
TTR4W-BL-Z	TT RIB, 4.3" X 984', WAX, STYLE Z BLK	1 PC	2	1	4	25	PC	86.29	69.92	61.99
TTRW-BL	TT RIBBON, 4.8" X 280', WAX, BLK	1 RL	12	1	4	25	RL	41.10	33.30	29.53
TTRW2-BL	TT RIBBON, 2.5" X 280', WAX, BLK	1 RL	12	1	4	25	RL	20.55	16.65	14.76
TTSL-1	TT SELF-LAM, 0.50" X 1.50", VINYL, WHT	5000 PC	20000	5000	30000	50000	M	27.07	21.94	19.45
TTSL-1BR	TT SELF-LAM, 0.50" X 1.50", VINYL, BRN	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-1BU	TT SELF-LAM, 0.50" X 1.50", VINYL, BLU	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-1GR	TT SELF-LAM, 0.50" X 1.50", VINYL, GRN	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-1IG	TT SELF-LAM, 0.50" X 1.50", VINYL, GRY	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-1OR	TT SELF-LAM, 0.50" X 1.50", VINYL, ORN	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-1RD	TT SELF-LAM, 0.50" X 1.50", VINYL, RED	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-1VL	TT SELF-LAM, 0.50" X 1.50", VINYL, YEL	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-1YL	TT SELF-LAM, 0.50" X 1.50", VINYL, YEL	5000 PC	20000	5000	30000	50000	M	29.81	24.15	21.41
TTSL-2	TT SELF-LAM, 1.00" X 1.50", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	53.89	43.67	38.71
TTSL-2BR	TT SELF-LAM, 1.00" X 1.50", VINYL, BRN	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-2BU	TT SELF-LAM, 1.00" X 1.50", VINYL, BLU	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-2GR	TT SELF-LAM, 1.00" X 1.50", VINYL, GRN	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-2IG	TT SELF-LAM, 1.00" X 1.50", VINYL, GRY	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-2OR	TT SELF-LAM, 1.00" X 1.50", VINYL, ORN	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-2P	TT SELF-LAM, 1.00" X 1.50", VINYL, WHT	2500 PC	5000	2500	30000	50000	M	53.89	43.67	38.71
TTSL-2RD	TT SELF-LAM, 1.00" X 1.50", VINYL, RED	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-2VL	TT SELF-LAM, 1.00" X 1.50", VINYL, VIO	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-2YL	TT SELF-LAM, 1.00" X 1.50", VINYL, YEL	2500 PC	10000	2500	30000	50000	M	59.26	48.02	42.58
TTSL-3	TT SELF-LAM, 2.00" X 1.50", VINYL, WHT	1000 PC	4000	1000	5000	10000	M	94.22	76.35	67.69
TTSL-3BR	TT SELF-LAM, 2.00" X 1.50", VINYL, BRN	1000 PC	1000	1000	5000	10000	M	103.62	83.97	74.44
TTSL-3BU	TT SELF-LAM, 2.00" X 1.50", VINYL, BLU	1000 PC	1000	1000	5000	10000	M	103.62	83.97	74.44
TTSL-3GR	TT SELF-LAM, 2.00" X 1.50", VINYL, GRN	1000 PC	1000	1000	5000	10000	M	103.62	83.97	74.44
TTSL-3IG	TT SELF-LAM, 2.00" X 1.50", VINYL, GRY	1000 PC	1000	1000	5000	10000	M	103.62	83.97	74.44

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

TTSL
Self-Laminating Thermal Transfer Labels

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TTSL-3OR	TT SELF-LAM, 2.00" X 1.50", VINYL, ORN	1000 PC	1000	1000	5000	10000	M	$ 103.62	$ 83.97	$ 74.44
TTSL-3RD	TT SELF-LAM, 2.00" X 1.50", VINYL, RED	1000 PC	4000	1000	5000	10000	M	103.62	83.97	74.44
TTSL-3VL	TT SELF-LAM, 2.00" X 1.50", VINYL, VIO	1000 PC	1000	1000	5000	10000	M	103.62	83.97	74.44
TTSL-3YL	TT SELF-LAM, 2.00" X 1.50", VINYL, YEL	1000 PC	4000	1000	5000	10000	M	103.62	83.97	74.44
TTSL-4	TT SELF-LAM, 1.00" X 2.44", VINYL, WHT	1500 PC	6000	1500	30000	50000	M	86.41	70.02	62.08
TTSL-4BR	TT SELF-LAM, 1.00" X 2.44", VINYL, BRN	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-4BU	TT SELF-LAM, 1.00" X 2.44", VINYL, BLU	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-4GR	TT SELF-LAM, 1.00" X 2.44", VINYL, GRN	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-4IG	TT SELF-LAM, 1.00" X 2.44", VINYL, GRY	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-4OR	TT SELF-LAM, 1.00" X 2.44", VINYL, ORN	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-4RD	TT SELF-LAM, 1.00" X 2.44", VINYL, RED	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-4VL	TT SELF-LAM, 1.00" X 2.44", VINYL, VIO	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-4YL	TT SELF-LAM, 1.00" X 2.44", VINYL, YEL	1500 PC	6000	1500	30000	50000	M	95.07	77.04	68.30
TTSL-5	TT SELF-LAM, 2.00" X 2.44", VINYL, WHT	500 PC	1000	500	5000	10000	M	203.21	164.67	145.99
TTSL-5BR	TT SELF-LAM, 2.00" X 2.44", VINYL, BRN	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-5BU	TT SELF-LAM, 2.00" X 2.44", VINYL, BLU	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-5GR	TT SELF-LAM, 2.00" X 2.44", VINYL, GRN	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-5IG	TT SELF-LAM, 2.00" X 2.44", VINYL, GRY	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-5OR	TT SELF-LAM, 2.00" X 2.44", VINYL, ORN	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-5RD	TT SELF-LAM, 2.00" X 2.44", VINYL, RED	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-5VL	TT SELF-LAM, 2.00" X 2.44", VINYL, VIO	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-5YL	TT SELF-LAM, 2.00" X 2.44", VINYL, YEL	500 PC	1000	500	5000	10000	M	223.54	181.14	160.59
TTSL-6	TT SELF-LAM, 1.00" X 3.94", VINYL, WHT	1000 PC	4000	1000	5000	10000	M	162.86	131.98	117.00
TTSL-6BR	TT SELF-LAM, 1.00" X 3.94", VINYL, BRN	1000 PC	1000	1000	5000	10000	M	179.13	145.16	128.69
TTSL-6BU	TT SELF-LAM, 1.00" X 3.94", VINYL, BLU	1000 PC	1000	1000	5000	10000	M	173.91	140.93	124.94
TTSL-6GR	TT SELF-LAM, 1.00" X 3.94", VINYL, GRN	1000 PC	4000	1000	5000	10000	M	179.13	145.16	128.69
TTSL-6IG	TT SELF-LAM, 1.00" X 3.94", VINYL, GRY	1000 PC	1000	1000	5000	10000	M	179.13	145.16	128.69
TTSL-6OR	TT SELF-LAM, 1.00" X 3.94", VINYL, ORN	1000 PC	1000	1000	5000	10000	M	179.13	145.16	128.69
TTSL-6RD	TT SELF-LAM, 1.00" X 3.94", VINYL, RED	1000 PC	4000	1000	5000	10000	M	179.13	145.16	128.69
TTSL-6VL	TT SELF-LAM, 1.00" X 3.94", VINYL, VIO	1000 PC	1000	1000	5000	10000	M	179.13	145.16	128.69
TTSL-6YL	TT SELF-LAM, 1.00" X 3.94", VINYL, YEL	1000 PC	1000	1000	5000	10000	M	179.13	145.16	128.69
TTSL-7	TT SELF-LAM, 2.00" X 3.94", VINYL, WHT	500 PC	1000	500	5000	10000	M	302.79	245.37	217.53
TTSL-7P	TT SELF-LAM, 2.00" X 3.94", VINYL, WHT	500 PC	1000	500	5000	10000	M	302.79	245.37	217.53
TTSL-53	TT SELF-LAM, 0.50" X 1.50", TEDLAR*, WHT	5000 PC	20000	5000	30000	50000	M	33.18	26.89	23.84
TTSL-54	TT SELF-LAM, 1.00" X 1.50", TEDLAR*, WHT	2500 PC	10000	2500	30000	50000	M	55.63	45.08	39.96
TTSL-55	TT SELF-LAM, 2.00" X 1.50", TEDLAR*, WHT	1000 PC	4000	1000	5000	10000	M	180.40	146.19	129.60
TTSL-56	TT SELF-LAM, 1.00" X 2.44", TEDLAR*, WHT	1500 PC	6000	1500	30000	50000	M	152.86	123.87	109.81
TTSL-57	TT SELF-LAM, 2.00" X 2.44", TEDLAR*, WHT	500 PC	1000	500	5000	10000	M	293.28	237.66	210.69
TTSL-58	TT SELF-LAM, 1.00" X 3.94", TEDLAR*, WHT	1000 PC	4000	1000	5000	10000	M	246.84	200.02	177.33
TTSL-59	TT SELF-LAM, 2.00" X 3.94", TEDLAR*, WHT	500 PC	2000	500	5000	10000	M	592.44	480.08	425.60
TTSL-246	TT SELF-LAM, 0.80" X 0.94", TEDLAR*, WHT	2500 PC	10000	2500	30000	50000	M	83.22	67.44	59.79
TTSL-247	TT SELF-LAM, 0.80" X 0.94", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	27.49	22.28	19.75
TTSL-248	TT SELF-LAM, 1.00" X 0.75", TEDLAR*, WHT	2500 PC	10000	2500	30000	50000	M	104.09	84.35	74.78
TTSL-249	TT SELF-LAM, 1.00" X 0.75", VINYL, WHT	2500 PC	12500	2500	30000	50000	M	38.31	31.05	27.53
TTSL-249BR	TT SELF-LAM, 1.00" X 0.75", VINYL, BRN	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-249BU	TT SELF-LAM, 1.00" X 0.75", VINYL, BLU	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-249GR	TT SELF-LAM, 1.00" X 0.75", VINYL, GRN	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-249IG	TT SELF-LAM, 1.00" X 0.75", VINYL, GRY	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-249OR	TT SELF-LAM, 1.00" X 0.75", VINYL, ORN	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-249RD	TT SELF-LAM, 1.00" X 0.75", VINYL, RED	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-249VL	TT SELF-LAM, 1.00" X 0.75", VINYL, VIO	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-249YL	TT SELF-LAM, 1.00" X 0.75", VINYL, YEL	2500 PC	10000	2500	30000	50000	M	42.18	34.18	30.30
TTSL-250	TT SELF-LAM, 1.00" X 0.94", TEDLAR*, WHT	2500 PC	10000	2500	30000	50000	M	104.09	84.35	74.78
TTSL-251	TT SELF-LAM, 1.00" X 0.94", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	39.69	32.16	28.51
TTSL-251BR	TT SELF-LAM, 1.00" X 0.94", VINYL, BRN	2500 PC	10000	2500	30000	50000	M	43.64	35.36	31.35

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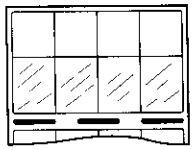

TTSL
Self-Laminating Thermal Transfer Labels

TTV
Thermal Transfer Roll

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TTSL-251BU	TT SELF-LAM, 1.00" X 0.94", VINYL, BLU	2500 PC	12500	2500	30000	50000	M	$ 43.64	$ 35.36	$ 31.35
TTSL-251GR	TT SELF-LAM, 1.00" X 0.94", VINYL, GRN	2500 PC	10000	2500	30000	50000	M	43.64	35.36	31.35
TTSL-251IG	TT SELF-LAM, 1.00" X 0.94", VINYL, GRY	2500 PC	10000	2500	30000	50000	M	43.64	35.36	31.35
TTSL-251OR	TT SELF-LAM, 1.00" X 0.94", VINYL, ORN	2500 PC	10000	2500	30000	50000	M	43.64	35.36	31.35
TTSL-251RD	TT SELF-LAM, 1.00" X 0.94", VINYL, RED	2500 PC	10000	2500	30000	50000	M	43.64	35.36	31.35
TTSL-251VL	TT SELF-LAM, 1.00" X 0.94", VINYL, VIO	2500 PC	10000	2500	30000	50000	M	43.64	35.36	31.35
TTSL-251YL	TT SELF-LAM, 1.00" X 0.94", VINYL, YEL	2500 PC	10000	2500	30000	50000	M	43.64	35.36	31.35
TTSL1VC3-5	TT SELF-LAM, 0.50" X 1.44", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	23.47	19.02	16.86
TTSL2VC3-5	TT SELF-LAM, 1.00" X 1.50", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	40.32	32.67	28.96
TTSL2VC3-10	TT SELF-LAM, 1.00" X 1.50", VINYL, WHT	10000 PC	50000	10000	50000	100000	M	36.91	29.91	26.51
TTSL2VC3BU-5	TT SELF-LAM, 1.00" X 1.50", VINYL, BLU	5000 PC	10000	5000	30000	50000	M	47.52	38.51	34.14
TTSL2VC3GR-5	TT SELF-LAM, 1.00" X 1.50", VINYL, GRN	5000 PC	10000	5000	30000	50000	M	47.52	38.51	34.14
TTSL2VC3IG-5	TT SELF-LAM, 1.00" X 1.50", VINYL, GRY	5000 PC	10000	5000	30000	50000	M	47.52	38.51	34.14
TTSL2VC3RD-5	TT SELF-LAM, 1.00" X 1.50", VINYL, RED	5000 PC	10000	5000	30000	50000	M	47.52	38.51	34.14
TTSL2VC3YL-5	TT SELF-LAM, 1.00" X 1.50", VINYL, YEL	5000 PC	10000	5000	30000	50000	M	47.52	38.51	34.14
TTSL3VC3-1	TT SELF-LAM, 2.00" X 1.50", VINYL, WHT	1000 PC	3000	1000	5000	10000	M	133.53	108.20	95.93
TTSL4VC3-5	TT SELF-LAM, 1.00" X 2.44", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	66.35	53.76	47.66
TTSL5VC3-2.5	TT SELF-LAM, 2.00" X 2.44", VINYL, WHT	2500 PC	5000	2500	30000	50000	M	121.73	98.64	87.45
TTSL5VCS-1	TT SELF-LAM, 2.00" X 2.44", VINYL, SIL	1000 PC	4000	1000	5000	10000	M	223.54	181.14	160.59
TTSL6VC3-2.5	TT SELF-LAM, 1.00" X 3.94", VINYL, WHT	2500 PC	12500	1000	5000	10000	M	94.12	76.27	67.61
TTSL7VC3-1	TT SELF-LAM, 2.00" X 3.75", VINYL, SIL	1000 PC	3000	1000	5000	10000	M	242.75	196.71	174.39
TTSL8VC3-5	TT SELF-LAM, 0.50" X 0.75", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	22.88	18.54	16.44
TTSL9VC3-5	TT SELF-LAM, 1.00" X 0.75", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	27.68	22.43	19.89
TTSL10VC3-5	TT SELF-LAM, 0.50" X 2.00", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	86.39	70.01	62.06
TTSL17VC3-.5	TT SELF-LAM, 2.00" X 7.44", VINYL, WHT	500 PC	2000	500	5000	10000	M	345.53	280.00	248.23
TTSL51VC3-1	TT SELF-LAM, 1.00" X 5.94", VINYL, WHT	1000 PC	10000	1000	5000	10000	M	141.76	114.87	101.84
TTSL126VC3-1	TT SELF-LAM, 1.00" X 7.44", VINYL, WHT	1000 PC	10000	1000	5000	10000	M	324.21	262.73	232.91
TTSL245VC3-2.5	TT SELF-LAM, 0.75" X 1.75", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	54.62	44.26	39.24
TTSL247VC3-5	TT SELF-LAM, 0.75" X 0.94", VINYL, WHT	5000 PC	10000	5000	30000	50000	M	24.48	19.84	17.59
TTSL251VC3-2.5	TT SELF-LAM, 1.00" X 0.94", VINYL, WHT	2500 PC	10000	2500	30000	50000	M	20.85	16.89	14.98
TTV2-BLK	TT ROLL, 2" X 100', VINYL, BLK	1 RL	10	1			RL	148.24		
TTV2-BLU	TT ROLL, 2" X 100', VINYL, BLU	1 RL	4	1			RL	148.24		
TTV2-BRN	TT ROLL, 2" X 100', VINYL, BRN	1 RL	4	1			RL	148.24		
TTV2-GRN	TT ROLL, 2" X 100', VINYL, GRN	1 RL	4	1			RL	148.24		
TTV2-GRY	TT ROLL, 2" X 100', VINYL, GRAY	1 RL	12	1			RL	148.24		
TTV2-ORG	TT ROLL, 2" X 100', VINYL, ORN	1 RL	4000	1			RL	148.24		
TTV2-PUR	TT ROLL, 2" X 100', VINYL, PUR	1 RL	4	1			RL	148.24		
TTV2-RED	TT ROLL, 2" X 100', VINYL, RED	1 RL	4	1			RL	148.24		
TTV2-WHT	TT ROLL, 2" X 100', VINYL, WHT	1 RL	4	1			RL	148.24		
TTV2-YEL	TT ROLL, 2" X 100', VINYL, YEL	1 RL	4	1			RL	148.24		
TTV4-BLK	TT ROLL, 4" X 100', VINYL, BLK	1 RL	10	1			RL	215.05		
TTV4-BLU	TT ROLL, 4" X 100', VINYL, BLU	1 RL	4	1			RL	215.05		
TTV4-BRN	TT ROLL, 4" X 100', VINYL, BRN	1 RL	4	1			RL	215.05		
TTV4-GRN	TT ROLL, 4" X 100', VINYL, GRN	1 RL	4	1			RL	215.05		
TTV4-GRY	TT ROLL, 4" X 100', VINYL, GRAY	1 RL	12	1			RL	215.05		
TTV4-ORG	TT ROLL, 4" X 100', VINYL, ORN	1 RL	4	1			RL	215.05		
TTV4-PUR	TT ROLL, 4" X 100', VINYL, PUR	1 RL	4	1			RL	215.05		
TTV4-RED	TT ROLL, 4" X 100', VINYL, RED	1 RL	4	1			RL	215.05		
TTV4-WHT	TT ROLL, 4" X 100', VINYL, WHT	1 RL	12	1			RL	215.05		
TTV4-YEL	TT ROLL, 4" X 100', VINYL, YEL	1 RL	4	1			RL	215.05		
TW-2C	LS6 WIRE MARKER, 1.00" X 1.25", 250/RL	1 RL		1			RL	37.25		
TW-4C	LS6 WIRE MARKER, 0.50" X 0.75", 250/RL	1 RL		1			RL	21.73		
TW-6C	LS6 WIRE MARKER, 0.50" X 0.75", 500/RL	1 RL		1			RL	32.60		
TWS-1V	LS6 SELF-LAM, 0.50" X 1.25", VIN, 350/RL	1 RL		1			RL	35.31		
TWS-2V	LS6 SELF-LAM, 1.00" X 1.25", VIN, 250/RL	1 RL		1			RL	33.37		

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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All prices subject to change without notice.

WL25
Warning Label

WL32
Warning Label

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
TWS-3V	LS6 SELF-LAM, 1.50" X 1.25", VIN, 250/RL	1 RL		1			RL	$ 34.28	$	$
TWS-4V	LS6 SELF-LAM, 0.50" X 1.00", VIN, 400/RL	1 RL		1			RL	28.84		
TWS-5V	LS6 SELF-LAM, 1.00" X 1.00", VIN, 250/RL	1 RL		1			RL	26.00		
TWS-6V	LS6 SELF-LAM, 0.50" X 0.75", VIN, 500/RL	1 RL		1			RL	27.04		
TWS-7V	LS6 SELF-LAM, 1.00" X 0.75", VIN, 250/RL	1 RL		1			RL	23.67		
TWS-10V	LS6 SELF-LAM, 1.00" X 2.50", VIN, 100/RL	1 RL		1			RL	19.93		
TWS-11V	LS6 SELF-LAM, 1.50" X 2.50", VIN, 100/RL	1 RL		1			RL	25.90		
TWS-12V	LS6 SELF-LAM, 1.00" X 4.00", VIN, 100/RL	1 RL		1			RL	23.81		
TWS-40V	LS6 SELF-LAM, 2.00" X 1.50", VIN, 250/RL	1 RL		1			RL	44.57		
WL1	WARNING LBL, STATIC AWARENESS, 500/RL	1 RL		1	10	50	RL	19.99	18.59	17.48
WL3	WARNING LBL, STATIC AWARENESS, 500/RL	1 RL		1	10	50	RL	19.99	18.59	17.48
WL25	WARNING LBL, RESTRICTED ACCESS, 50/PK	1 PK		1	10	50	PK	61.68	57.36	53.91
WL32	WARNING LBL, HIGH VOLTAGE SYMBOL, 50/PK	1 PK		1	10	50	PK	33.69	31.33	29.45
WL33	WARNING LBL, HIGH VOLTAGE SYMBOL, 50/PK	1 PK		1	10	50	PK	66.70	62.03	58.30
WL35	WARNING LBL, HOT SURFACE SYMBOL, 50/PK	1 PK		1	10	50	PK	42.31	39.35	36.99
WL36	WARNING LBL, HOT SURFACE SYMBOL, 50/PK	1 PK		1	10	50	PK	42.31	39.35	36.99
JSL3-V3-5	IJ SELF-LAM, 1.00" X 0.75", VINYL, WHT							Contact Factory		
JSL5-V3-2.5	IJ SELF-LAM, 1.00" X 1.33", VINYL, WHT							Contact Factory		
LJSL10-PO3-1	LSR IJ SELF-LAM, 0.90" X 2.17", POLYOLEFIN, WHT							Contact Factory		
LJSL14-Y3-0.5	LSR IJ SELF-LAM, 1.40" X 5.50", VINYL, WHT							Contact Factory		
LJSL15-Y3-0.5	LSR IJ SELF-LAM, 1.80" X 5.50", VINYL, WHT							Contact Factory		
LJSL17-Y3-0.5	LSR IJ SELF-LAM, 1.40" X 3.67", VINYL, WHT							Contact Factory		
LJSL18-Y3-1	LSR IJ SELF-LAM, 1.88" X 3.17", VINYL, WHT							Contact Factory		
LJSL19-Y3-1	LSR IJ SELF-LAM, 1.00" X 1.33", VINYL, WHT							Contact Factory		
LJSL20-Y3-1	LSR IJ SELF-LAM, 1.00" X 1.33", VINYL, WHT							Contact Factory		
TC-13PO	LS6 TERM BLK LBL, 0.24" X 30', 1/RL							Contact Factory		
TC-14PO	LS6 TERM BLK LBL, 0.31" X 30', 1/RL							Contact Factory		
TC-15PO	LS6 TERM BLK LBL, 0.38" X 30', 1/RL							Contact Factory		
TC-3C	LS6 COMP LABEL, 0.50" X 0.50", 500/RL							Contact Factory		
TEFPL2WH	LS6 FACEPLATE LBL, 1.50" X 0.34", 500/RL							Contact Factory		

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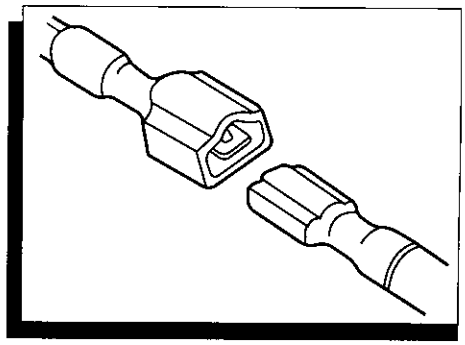
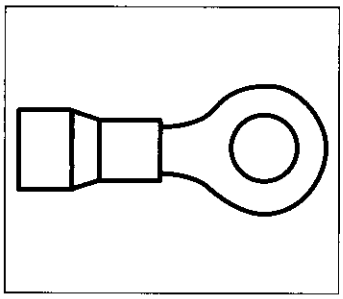
Effective Date: March 23, 2001

PANDUIT® Terminals and Installation Tooling

PANDUIT offers a wide selection of terminals, disconnects and splices designed and manufactured for fast assembly and long, reliable performance. *PANDUIT* also offers crimping tools to meet all requirements and provide lowest installed cost.

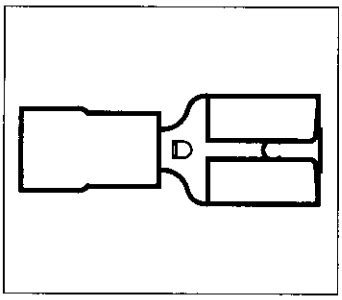
PANDUIT terminals are designed to meet UL and CSA standards. For technical information, call 888-405-6659.





[redacted]

PANDUIT ring and fork terminals are available in vinyl, nylon and non-insulated styles to meet any application. Funnel entry is available in vinyl and nylon insulated styles to speed installation. Ring terminals are available from #26 AWG – 250 MCM. Fork terminals are available in #26 – #10 AWG sizes.



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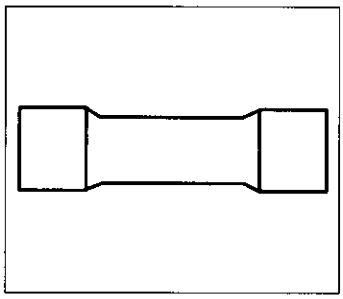
PANDUIT male and female disconnects are available from #22 – #10 AWG in nylon fully insulated, nylon or vinyl barrel insulated, and non-insulated styles. Female disconnects are available in standard tab sizes of .110, .187, .205 and .250. Male disconnects are available in .250 style.



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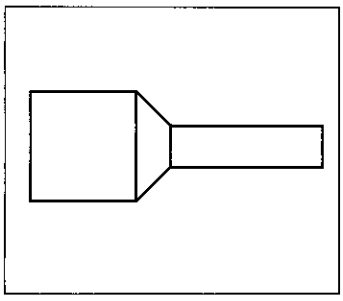
PANDUIT butt splices and parallel splices, wire joints, and *P-CONN*™ screw-on connectors provide a wide variety of splicing options. Butt splices and parallel splices allow for in-line connection of two wires from #22 – #10 AWG. Wire joints and *P-CONN* screw-on connectors provide a pigtail connection for multiple wires.



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PANDUIT Ferrules are available for wiring applications from #26 AWG to #1 AWG. Offerings include insulated and non-insulated ferrules, in single-wire or double-wire configurations. Insulated ferrules are color coded to DIN or French standards.

The following trade names are used throughout this section:
TEFZEL® is a registered Trademark of E.I. DuPont de Nemours and Company CORPORATION DELAWARE, Wilmington DELAWARE 19898.

Part Number System for *PAN-TERM*® Ring and Fork Terminals

P N 14 — 4 R X C

TYPE:
PAN-TERM
P = Seamed Barrel
S = Seamless Tubular Barrel

INSULATION
N = Nylon Insulated
NF = Nylon Insulated Funnel Entry
V = Vinyl Insulated
= Non-Ins. (leave blank)
T = TEFZEL® Insulated

WIRE RANGE
22 = #26-22
18 = #22-18
14 = #16-14
12 = #16-12
10 = #12-10
8 = #8
6 = #6
4 = #4
2 = #2
1 = #1
1/0 = 1/0
2/0 = 2/0
3/0 = 3/0
4/0 = 4/0
250 = 250MCM

STUD SIZE
2 = #2
4 = #4
5 = #5
6 = #6
8 = #8
10 = #10
14 = 1/4
56 = 5/16
38 = 3/8
76 = 7/16
12 = 1/2

TONGUE CONFIGURATION
R = Ring
HDR = Heavy Duty Ring
F = Fork
FF = Flanged Fork
LF = Locking Fork
LF = Short Locking Fork
P = Pin

SPECIAL CONFIGURATION
N = Narrow Tongue
W = Wide Tongue
X = Expanded Insulation
= Non-Expanded Insulation (leave blank)
HT6 = High Temperature

PACKAGE SIZE
5 = 5
X = 10
E = 20
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

Part Number System for *PAN-TERM* Disconnects

Wire Range
18 = #22-18
14 = #16-14
10 = #12-10

Special Configuration
A = Adapter
B = Butted Seam
FB = *SUPRA-GRIP*™ Metal Insulation Grip, Female
FI = Fully Insulated, Female
FIB = Fully Insulated, Butted Seam, Female
FIM = Fully Insulated, Male
FIMB = Fully Insulated, Male with Oversized Housing
FL = *DISCO-LOK*™, Locking, Metal Insulation Grip, Female
LPB = Low Profile, Fully Insulated, Butted Seam Female
M = Male
= Female (leave blank)
P = Piggyback

Disconnects

DNF14-250FIB-M

Insulation Designation
N = Nylon
NF = Nylon, Funnel Entry
NFR = Nylon, Funnel Entry, Right Angle
NG = Nylon, Funnel Entry, Metal Insulation Grip
PF = Premium Grade Nylon, Funnel Entry
R = Non-Insulated, Right Angle
V = Vinyl
= Non-Insulated (leave blank)

Size & Type
110 = .110 x .032 Tab Size
111 = .110 x .020 Tab Size
145 = .145 x .032 Tab Size
187 = .187 x .032 Tab Size
188 = .187 x .020 Tab Size
205 = .187/.205 x .032 Tab Size
206 = .187/.205 x .020 Tab Size
250 = .250 x .032 Tab Size
.187/.205: Expandable receptacle will accept male tabs from .187 to .205 widths in .032 or .020 thick styles. Fully reliable connection through all widths.

Package Designation
L = 50
C = 100
D = 500
M = 1000

Part Number System for *PAN-TERM* Splices

Type:
BS = Butt Splice
PS = Parallel Splice

Insulation:
N = Nylon
V = Vinyl

Special Configuration:
X = Expanded Insulation

BSV18X-C

Wire Range:
22 = #26-22
18 = #22-18
14 = #16-14
12 = #18-12
10 = #12-10

Package Size:
X = 10
Q = 25
L = 50
C = 100
T = 200
D = 500
M = 1000

Part Number System for *PAN-TERM* Wire Joints

Type:
J = Wire Joint (Non-Insulated)
JN = Wire Joint (Nylon Insulated)

JN418-212-C

Wire Range:
J Types:
214-312 = 2 #14-3 #12
318-412 = 3 #18-4 #12
216-410 = 2 #16-4 #10
JN Types:
224-318 = 2 #24-3 #18
218-216 = 2 #18-2 #16
418-212 = 4 #18-2 #12
314-412 = 3 #14-4 #12

Package Size:
X = 10
L = 50
C = 100
T = 200
D = 500
M = 1000

Part Number System for Ferrule End Sleeves

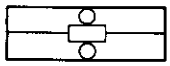
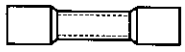
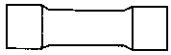
Ferrule — **DIN Standard**

FSD85-18-L — **Package Code**

Single Wire — **Pin Length**

Wire Size

Effective Date: March 23, 2001

BS Non-Insulated, Butt Splice	BSH Heat Shrink Insulated Butt Splice	BSV Vinyl Insulated Butt Splice	CT-100 Crimping Tool, Plier Type	CT-160 Crimping Tool, Plier Type	CT-1002 Controlled-Cycle Crimp Tool	CT-1015 *CONTOUR CRIMP*™ Crimp Tool

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
BS10-L	BUTT SPLICE, NON-INS, 12-10 AWG	50 PC	500	1	50	500	C	$ 40.62	$ 31.72	$ 25.41
BS10-Q	BUTT SPLICE, NON-INS, 12-10 AWG	25 PC	250	1	25	250	C	41.92	32.73	26.22
BS14-C	BUTT SPLICE, NON-INS, 16-14 AWG	100 PC	1000	1	100	1000	C	29.06	22.69	18.18
BS14-L	BUTT SPLICE, NON-INS, 16-14 AWG	50 PC	500	1	50	500	C	28.93	22.59	18.10
BS18-C	BUTT SPLICE, NON-INS, 22-18 AWG	100 PC	1000	1	100	1000	C	29.06	22.69	18.18
BS18-L	BUTT SPLICE, NON-INS, 22-18 AWG	50 PC	500	1	50	500	C	28.93	22.59	18.10
BS22-C	BUTT SPLICE, NON-INS, 26-22 AWG	100 PC	1000	1	100	1000	C	37.37	29.21	23.34
BSH10-E	BUTT SPLICE, HEAT SHRINK, 12-10 AWG	20 PC	100	1	20	200	C	144.77	113.16	90.40
BSH14-Q	BUTT SPLICE, HEAT SHRINK, 16-14 AWG	25 PC	125	1	25	250	C	133.62	104.45	83.44
BSH18-Q	BUTT SPLICE, HEAT SHRINK, 22-18 AWG	25 PC	125	1	25	250	C	133.62	104.45	83.44
BSM1-C	BUTT SPLICE, NON-INS, 0,5-1,0 MM2	100 PC	500	1	100	500	C	28.80	22.49	18.02
BSM2-C	BUTT SPLICE, NON-INS, 1,5-2,5 MM2	100 PC	500	1	100	500	C	29.06	22.69	18.18
BSM6-L	BUTT SPLICE, NON-INS, 4,0-6,0 MM2	50 PC	250	1	50	500	C	40.62	31.72	25.41
BSMV1BX-C	BUTT SPLICE, VINYL, 0,5-1,0 MM2	100 PC	500	1	100	500	C	40.62	31.72	25.41
BSMV2BX-C	BUTT SPLICE, VINYL, 1,5-2,5 MM2	100 PC	500	1	100	500	C	40.62	31.72	25.41
BSMV6X-L	BUTT SPLICE, VINYL, 4,0-6,0 MM2	50 PC	250	1	50	500	C	59.72	46.63	37.36
BSN10-L	BUTT SPLICE, NYLON, 12-10 AWG	50 PC	500	1	50	500	C	77.46	60.48	48.46
BSN14-C	BUTT SPLICE, NYLON, 16-14 AWG	100 PC	1000	1	100	1000	C	52.89	41.30	33.09
BSN18-C	BUTT SPLICE, NYLON, 22-18 AWG	100 PC	1000	1	100	1000	C	52.89	41.30	33.09
BSN22-C	BUTT SPLICE, NYLON, 26-22 AWG	100 PC	1000	1	100	1000	C	64.42	50.35	40.23
BSV10X-L	BUTT SPLICE, VINYL, 12-10 AWG	50 PC	500	1	50	500	C	59.72	46.63	37.36
BSV10X-Q	BUTT SPLICE, VINYL, 12-10 AWG	25 PC	250	1	25	250	C	63.31	49.44	39.61
BSV10X-X	BUTT SPLICE, VINYL, 12-10 AWG	10 PC	100	10			C	66.94		
BSV14X-C	BUTT SPLICE, VINYL, 16-14 AWG	100 PC	1000	1	100	1000	C	41.02	32.03	25.66
BSV14X-L	BUTT SPLICE, VINYL, 16-14 AWG	50 PC	500	1	50	500	C	43.93	34.30	27.48
BSV14X-X	BUTT SPLICE, VINYL, 16-14 AWG	10 PC	100	10			C	53.37		
BSV18X-C	BUTT SPLICE, VINYL, 22-18 AWG	100 PC	1000	1	100	1000	C	41.02	32.03	25.66
BSV18X-L	BUTT SPLICE, VINYL, 22-18 AWG	50 PC	500	1	50	500	C	43.93	34.30	27.48
BSV18X-X	BUTT SPLICE, VINYL, 22-18 AWG	10 PC	100	10			C	53.37		
CST101	WIRE STRIPPERS, PLIER	1 PC		1	10		PC	7.58		
CST114	CABLE STRIPPER TOOL	1 PC		1	10		PC	89.09		
CST115	WIRE STRIPPERS, PLIER	1 PC		1	10		PC	12.80		
CST157	CABLE STRIPPER TOOL	1 PC		1	10		PC	112.31		
CST1032	WIRE STRIPPING & CUTTING TOOL	1 PC		1	10		PC	75.19		
CT-100	CRIMP TOOL, PLIER TYPE	1 PC		1	10		PC	33.09		
CT-160	CRIMP TOOL, PLIER TYPE	1 PC		1	10		PC	27.90		
CT-200	CRIMP TOOL, HEAVY-DUTY PLIER TYPE	1 PC		1	10		PC	32.47		
CT-260	CRIMP TOOL, HEAVY-DUTY PLIER TYPE	1 PC		1	10		PC	30.69		
CT-300-1	CRIMP TOOL, FI RIGHT ANGLE DISC	1 PC		1	10		PC	642.36		
CT-310	CRIMP TOOL, HEAT SHRINK TERM/DISC	1 PC		1	10		PC	159.30		
CT-400	CRIMP TOOL, IN-LINE ACTION, #22-#14, INS	1 PC		1	10		PC	504.49		
CT-460	CRIMP TOOL, IN-LINE ACTION, #16-#10, INS	1 PC		1	10		PC	581.04		
CT-500CH	CRIMP HEAD, FOR CT-600 TOOL, INS TERM	1 PC		1			PC	231.32		
CT-520CH	CRIMP HEAD, FOR CT-600 TOOL, FI DISC	1 PC		1			PC	238.77		
CT-550CH	CRIMP HEAD, FOR CT-600 TOOL, INS TERM	1 PC		1			PC	258.56		
CT-570CH	CRIMP HEAD, FOR CT-600 TOOL, NON-INS	1 PC		1			PC	231.32		
CT-600	CRIMP TOOL, PNEUMATIC OPERATED	1 PC		1			PC	1501.15		
CT-1002	CONTOUR FERRULE CRIMP TOOL	1 PC		1	10		PC	185.37		
CT-1003	CONTOUR FERRULE CRIMP TOOL	1 PC		1	10		PC	185.37		
CT-1004	CONTOUR FERRULE CRIMP TOOL	1 PC		1	10		PC	185.37		
CT-1005	CONTOUR FERRULE CRIMP TOOL	1 PC		1	10		PC	185.37		
CT-1006	CONTOUR FERRULE CRIMP TOOL	1 PC		1	10		PC	185.37		
CT-1014	CRIMP TOOL, CONTROLLED CYCLE, DISCO-LOK	1 PC		1	10		PC	222.11		
CT-1015	CRIMP TOOL, CONTROLLED CYCLE, SUPRA-GRIP	1 PC		1	10		PC	222.11		
CT-1525	CRIMP TOOL, CONTROLLED CYCLE, FI DISC	1 PC		1	10		PC	185.37		

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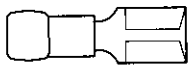
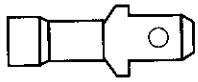
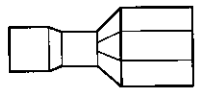
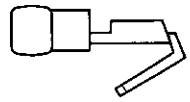
CT-1550
CONTOUR CRIMP™
Crimp Tool

CT-1700
CONTOUR CRIMP™
Crimp Tool


DMNF1-FIM
Male Disconnect,
Nylon Insulated


DMNF2-63M
Male Disconnect,
Insul. Grip Sleeve


DMNF1-FIB
Female Disconnect,
Nylon Insulated


DMV1-63P
PiggyBack
Disconnect

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CT-1550	CRIMP TOOL, CONTROLLED CYCLE, INS TERM	1 PC		1	10		PC	$ 185.37	$	$
CT-1551	CRIMP TOOL, CONTROLLED CYCLE, INS TERM	1 PC		1	10		PC	185.37		
CT-1551M	CRIMP TOOL, CONTROLLED CYCLE, METRIC	1 PC		1	10		PC	185.37		
CT-1570	CRIMP TOOL, CONTROLLED CYCLE, NON INS	1 PC		1	10		PC	185.37		
CT-1700	CRIMP TOOL, CONTROLLED CYCLE, POWER CONN	1 PC		1	10		PC	185.37		
CT-1701	CRIMP TOOL, CONTROLLED CYCLE, LARGE RINGS	1 PC		1	10		PC	185.37		
D-250A-C	DISCONNECT ADAPTER, 2 MALE / 1 FEMALE	100 PC	1000	1	100	1000	C	45.62	35.62	28.54
D10-250-L	FEM DISC, NON-INS, 12-10AWG, 250 X 032	50 PC	500	1	50	500	C	65.86	51.48	41.13
D10-250M-L	MALE DISC, NON-INS, 12-10AWG, 250 X 032	50 PC	500	1	50	500	C	40.21	31.43	25.11
D14-145M-C	MALE BLADE, NON-INS, 16-14AWG, 145 X 032	100 PC	500	1	100	500	C	43.55	33.71	27.15
D14-187-C	FEM DISC, NON-INS, 16-14AWG, 187 X 032	100 PC	500	1	100	500	C	37.30	29.16	23.29
D14-188-C	FEM DISC, NON-INS, 16-14AWG, 187 X 020	100 PC	500	1	100	500	C	37.30	29.16	23.29
D14-188B-C	FEM DISC, NON-INS, 16-14AWG, 187 X 020	100 PC	500	1	100	1000	C	33.27	26.01	20.78
D14-250-C	FEM DISC, NON-INS, 16-14AWG, 250 X 032	100 PC	500	1	100	500	C	35.00	27.33	21.89
D14-250B-C	FEM DISC, NON-INS, 16-14AWG, 250 X 032	100 PC	500	1	100	1000	C	33.27	26.01	20.78
D14-250MB-C	MALE DISC, NON-INS, 16-14AWG, 250 X 032	100 PC	500	1	100	500	C	36.82	28.78	22.99
D18-145M-C	MALE BLADE, NON-INS, 22-18AWG, 145 X 032	100 PC	500	1	100	500	C	43.55	33.71	27.15
D18-187-C	FEM DISC, NON-INS, 22-18AWG, 187 X 032	100 PC	500	1	100	500	C	37.30	29.16	23.29
D18-188-C	FEM DISC, NON-INS, 22-18AWG, 187 X 020	100 PC	500	1	100	500	C	37.30	29.16	23.29
D18-188B-C	FEM DISC, NON-INS, 22-18AWG, 187 X 020	100 PC	500	1	100	1000	C	33.27	26.01	20.78
D18-250-C	FEM DISC, NON-INS, 22-18AWG, 250 X 032	100 PC	500	1	100	500	C	35.00	27.33	21.89
D18-250B-C	FEM DISC, NON-INS, 22-18AWG, 250 X 032	100 PC	500	1	100	1000	C	33.27	26.01	20.78
D18-250MB-C	MALE DISC, NON-INS, 22-18AWG, 250 X 032	100 PC	500	1	100	500	C	36.48	28.51	22.78
DM1-63-C	FEM DISC, NON-INS, 0,5-1,0 MM2 , 6.3X0.8	100 PC	500	1	100	500	C	35.35	27.60	22.11
DM1-63M-C	MALE DISC, NON-INS, 0,5-1,0 MM2, 6.3X0.8	100 PC	500	1	100	500	C	41.33	32.31	25.81
DM1-488-C	FEM DISC, NON-INS, 0,5-1,0 MM2 , 4.8X0.8	100 PC	500	1	100	500	C	37.30	29.16	23.29
DM2-63-C	FEM DISC, NON-INS, 1,5-2,5 MM2, 6.3X0.8	100 PC	500	1	100	500	C	35.35	27.60	22.11
DM2-63M-C	MALE DISC, NON-INS, 1,5-2,5 MM2, 6.3X0.8	100 PC	500	1	100	500	C	41.33	32.31	25.81
DM2-488-C	FEM DISC, NON-INS, 1,5-2,5 MM2 , 4.8X0.8	100 PC	500	1	100	500	C	37.30	29.16	23.29
DM6-63-L	FEM DISC, NON-INS, 4,0-6,0 MM2, 6.3X0.8	50 PC	250	1	50	500	C	63.01	49.20	39.41
DM6-63M-L	MALE DISC, NON-INS, 4,0-6,0 MM2, 6.3X0.8	50 PC	250	1	50	500	C	40.21	31.43	25.11
DMNF1-63-C	FEM DISC, NYLON BI, 0,5-1,0 MM2, 6.3X0.8	100 PC	500	1	100	500	C	68.40	53.47	42.71
DMNF1-63FIB-C	FEM DISC, NYLON FI, 0,5-1,0 MM2, 6.3X0.8	100 PC	500	1	100	1000	C	57.05	44.55	35.69
DMNF1-63FIM-C	MALE DISC, NYLON FI, 0,5-1,0 MM2, 6.3X.8	100 PC	500	1	100	1000	C	54.75	42.75	34.25
DMNF1-63M-C	MALE DISC, NYLON BI, 0,5-1,0 MM2, 6.3X.8	100 PC	500	1	100	1000	C	69.55	54.36	43.43
DMNF1-285-C	FEM DISC, NYLON BI, 0,5-1,0 MM2, 2.8X0.5	100 PC	500	1	100	500	C	62.06	48.51	38.75
DMNF1-285FIB-C	FEM DISC, NYLON FI, 0,5-1,0 MM2, 2.8X0.5	100 PC	500	1	100	1000	C	55.98	43.71	35.02
DMNF1-288-C	FEM DISC, NYLON BI, 0,5-1,0 MM2, 2.8X0.8	100 PC	500	1	100	500	C	62.06	48.51	38.75
DMNF1-288FIB-C	FEM DISC, NYLON FI, 0,5-1,0 MM2, 2.8X0.8	100 PC	500	1	100	1000	C	55.98	43.71	35.02
DMNF1-488-C	FEM DISC, NYLON BI, 0,5-1,0 MM2, 4.8X0.8	100 PC	500	1	100	500	C	66.48	51.96	41.51
DMNF2-63-C	FEM DISC, NYLON BI, 1,5-2,5 MM2, 6.3X0.8	100 PC	500	1	100	500	C	67.12	52.46	41.91
DMNF2-63FIB-C	FEM DISC, NYLON FI, 1,5-2,5 MM2, 6.3X0.8	100 PC	500	1	100	500	C	59.10	46.20	36.91
DMNF2-63FIM-C	MALE DISC, NYLON FI, 1,5-2,5 MM2, 6.3X.8	100 PC	500	1	100	1000	C	56.35	44.00	35.25
DMNF2-63M-C	MALE DISC, NYLON BI, 1,5-2,5 MM2, 6.3X.8	100 PC	500	1	100	1000	C	69.55	54.36	43.43
DMNF2-285-C	FEM DISC, NYLON BI, 1,5-2,5 MM2, 2.8X0.5	100 PC	500	1	100	500	C	62.65	48.97	39.12
DMNF2-288-C	FEM DISC, NYLON BI, 1,5-2,5 MM2, 2.8X0.8	100 PC	500	1	100	500	C	62.65	48.97	39.12
DMNF2-488-C	FEM DISC, NYLON BI, 1,5-2,5 MM2, 4.8X0.8	100 PC	500	1	100	500	C	67.74	52.95	42.30
DMNF6-63FI-L	FEM DISC, NYLON FI, 4,0-6,0 MM2, 6.3X0.8	50 PC	250	1	50	500	C	69.34	54.14	43.37
DMNF6-63M-L	MALE DISC, NYLON BI, 4,0-6,0 MM2, 6.3X.8	50 PC	250	1	50	500	C	87.91	68.72	54.90
DMV1-63P-C	PIGGYBK DISC, VINYL, 0,5-1,0 MM2,6.3X0.8	100 PC	500	1	100	1000	C	103.26	80.63	64.60
DMV2-63P-C	PIGGYBK DISC, VINYL, 1,5-2,5 MM2,6.3X0.8	100 PC	500	1	100	500	C	107.97	84.40	67.42
DMV6-63-L	FEM DISC, VINYL BI, 4,0-6,0 MM2, 6.3X0.8	50 PC	250	1	50	500	C	69.49	54.26	43.47
DNF10-250FI-L	FEM DISC, NYLON FI, 12-10AWG, 250 X 032	50 PC	500	1	50	500	C	69.31	54.12	43.36
DNF10-250FIB-L	FEM DISC, NYLON FI, 12-10AWG, 250 X 032	50 PC	500	1	50	500	C	58.95	46.03	36.88
DNF10-250FIMB-L	MALE DISC,NYLON FI, 12-10AWG, 250 X 032	50 PC	500	1	100	1000	C	60.79	47.47	38.03

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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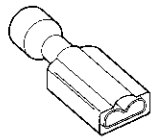
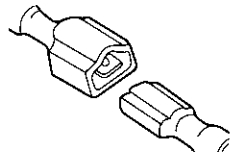
All prices subject to change without notice.



DNF14-187FIB
Female Disconnect,
Fully Insulated



DNF14-250FIMB
Male/Female
Couplers

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
DNF10-250M-L	MALE DISC,NYLON BI, 12-10AWG, 250 X 032	50 PC	500	1	50	500	C	$ 87.91	$ 68.72	$ 54.90
DNF14-110-C	FEM DISC, NYLON BI, 16-14AWG, 110 X 032	100 PC	500	1	100	500	C	62.06	48.51	38.75
DNF14-111-C	FEM DISC, NYLON BI, 16-14AWG, 110 X 020	100 PC	500	1	100	500	C	62.06	48.51	38.75
DNF14-187-C	FEM DISC, NYLON BI, 16-14AWG, 187 X 032	100 PC	500	1	100	500	C	67.74	52.95	42.30
DNF14-187FI-C	FEM DISC, NYLON FI, 16-14AWG, 187 X 032	100 PC	1000	1	100	1000	C	61.58	48.09	38.52
DNF14-187FIB-C	FEM DISC, NYLON FI, 16-14AWG, 187 X 032	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF14-188-C	FEM DISC, NYLON BI, 16-14AWG, 187 X 020	100 PC	500	1	100	500	C	67.74	52.95	42.30
DNF14-188FI-C	FEM DISC, NYLON FI, 16-14AWG, 187 X 020	100 PC	1000	1	100	1000	C	61.58	48.09	38.52
DNF14-188FIB-C	FEM DISC, NYLON FI, 16-14AWG, 187 X 020	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF14-205-C	FEM DISC, NYLON BI, 16-14AWG, 205 X 032	100 PC	500	1	100	500	C	67.74	52.95	42.30
DNF14-205FIB-C	FEM DISC, NYLON FI, 16-14AWG, 205 X 032	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF14-206-C	FEM DISC, NYLON BI, 16-14AWG, 205 X 020	100 PC	500	1	100	500	C	67.74	52.95	42.30
DNF14-206FIB-C	FEM DISC, NYLON FI, 16-14AWG, 205 X 020	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF14-250-C	FEM DISC, NYLON BI, 16-14AWG, 250 X 032	100 PC	500	1	100	500	C	60.36	47.18	37.69
DNF14-250-X	FEM DISC, NYLON BI, 16-14AWG, 250 X 032	10 PC	100	10			C	83.06		
DNF14-250FI-C	FEM DISC, NYLON FI, 16-14AWG, 250 X 032	100 PC	1000	1	100	1000	C	61.58	48.09	38.52
DNF14-250FIB-C	FEM DISC, NYLON FI, 16-14AWG, 250 X 032	100 PC	1000	1	100	1000	C	56.52	44.14	35.36
DNF14-250FIB-L	FEM DISC, NYLON FI, 16-14AWG, 250 X 032	50 PC	500	1	50	500	C	58.80	45.91	36.78
DNF14-250FIM-C	MALE DISC, NYLON FI, 16-14AWG, 250 X 032	100 PC	1000	1	100	1000	C	56.35	44.00	35.25
DNF14-250FIM-L	MALE DISC, NYLON FI, 16-14AWG, 250 X 032	50 PC	500	1	50	500	C	58.04	45.32	36.31
DNF14-250FIMB-L	MALE DISC,OVR NYL FI,16-14AWG,250X032	50 PC	500	1	50	500	C	60.79	47.47	38.03
DNF14-250M-C	MALE DISC, NYLON BI, 16-14AWG, 250 X 032	100 PC	1000	1	100	1000	C	69.55	54.36	43.43
DNF18-110-C	FEM DISC, NYLON BI, 22-18AWG, 110 X 032	100 PC	500	1	100	500	C	62.06	48.51	38.75
DNF18-110FIB-C	FEM DISC, NYLON FI, 22-18AWG, 110 X 032	100 PC	1000	1	100	1000	C	55.98	43.71	35.02
DNF18-111-C	FEM DISC, NYLON BI, 22-18AWG, 110 X 020	100 PC	500	1	100	500	C	62.06	48.51	38.75
DNF18-111FIB-C	FEM DISC, NYLON FI, 22-18AWG, 110 X 020	100 PC	1000	1	100	1000	C	55.98	43.71	35.02
DNF18-187-C	FEM DISC, NYLON BI, 22-18AWG, 187 X 032	100 PC	500	1	100	500	C	61.28	47.90	38.27
DNF18-187FI-C	FEM DISC, NYLON FI, 22-18AWG, 187 X 032	100 PC	1000	1	100	1000	C	61.58	48.09	38.52
DNF18-187FIB-C	FEM DISC, NYLON FI, 22-18AWG, 187 X 032	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF18-188-C	FEM DISC, NYLON BI, 22-18AWG, 187 X 020	100 PC	500	1	100	500	C	61.28	47.90	38.27
DNF18-188FI-C	FEM DISC, NYLON FI, 22-18AWG, 187 X 020	100 PC	1000	1	100	1000	C	61.58	48.09	38.52
DNF18-188FIB-C	FEM DISC, NYLON FI, 22-18AWG, 187 X 020	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF18-205-C	FEM DISC, NYLON BI, 22-18AWG, 205 X 032	100 PC	500	1	100	500	C	61.28	47.90	38.27
DNF18-205FIB-C	FEM DISC, NYLON FI, 22-18AWG, 205 X 032	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF18-206-C	FEM DISC, NYLON BI, 22-18AWG, 205 X 020	100 PC	500	1	100	500	C	61.28	47.90	38.27
DNF18-206FIB-C	FEM DISC, NYLON FI, 22-18AWG, 205 X 020	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF18-250-C	FEM DISC, NYLON BI, 22-18AWG, 250 X 032	100 PC	500	1	100	500	C	58.67	45.86	36.64
DNF18-250-X	FEM DISC, NYLON BI, 22-18AWG, 250 X 032	10 PC	100	10			C	83.06		
DNF18-250FI-C	FEM DISC, NYLON FI, 22-18AWG, 250 X 032	100 PC	1000	1	100	1000	C	61.58	48.09	38.52
DNF18-250FIB-C	FEM DISC, NYLON FI, 22-18AWG, 250 X 032	100 PC	1000	1	100	1000	C	57.05	44.55	35.69
DNF18-250FIB-L	FEM DISC, NYLON FI, 22-18AWG, 250 X 032	50 PC	500	1	50	500	C	58.80	45.91	36.78
DNF18-250FIM-C	MALE DISC, NYLON FI, 22-18AWG, 250 X 032	100 PC	1000	1	100	1000	C	54.75	42.75	34.25
DNF18-250FIM-L	MALE DISC, NYLON FI, 22-18AWG, 250 X 032	50 PC	500	1	50	500	C	58.04	45.32	36.31
DNF18-250FIMB-L	MALE DISC, NYLON FI, 22-18AWG, 250 X 032	50 PC	500	1	50	500	C	60.79	47.47	38.03
DNF18-250M-C	MALE DISC, NYLON BI, 22-18AWG, 250 X 032	100 PC	1000	1	100	1000	C	69.55	54.36	43.43
DNF14205FIBX-C	FEM DISC, EXP NYLON FI, 16-14AWG,205X032	100 PC	1000	1	100	500	C	67.91	53.03	42.48
DNF14206FIBX-C	FEM DISC, EXP NYLON FI, 16-14AWG,205X020	100 PC	1000	1	100	500	C	67.91	53.03	42.48
DNF14250FIBX-C	FEM DISC, EXP NYLON FI, 16-14AWG,250X032	100 PC	1000	1	100	500	C	67.91	53.03	42.48
DNF18205FIBX-C	FEM DISC, EXP NYLON FI, 22-18AWG,205X032	100 PC	1000	1	100	500	C	67.91	53.03	42.48
DNF18206FIBX-C	FEM DISC, EXP NYLON FI, 22-18AWG,205X020	100 PC	1000	1	100	500	C	67.91	53.03	42.48
DNF18250FIBX-C	FEM DISC, EXP NYLON FI, 22-18AWG,250X032	100 PC	1000	1	100	500	C	67.91	53.03	42.48
DNFR14-205B-C	FEM FLAG DISC, NYLON, 16-14AWG, 205X032	100 PC	1000	1	100	1000	C	66.98	52.36	41.83
DNFR14-205B-X	FEM FLAG DISC, NYLON, 16-14 AWG, 205X032	10 PC	100	10			C	76.51		
DNFR14-205FIB-C	FEM FLAG DISC,NYLON FI, 16-14AWG,205X032	100 PC	1000	1	100	1000	C	69.64	54.43	43.49
DNFR14-206B-C	FEM FLAG DISC, NYLON, 16-14AWG, 205X020	100 PC	1000	1	100	1000	C	66.98	52.36	41.83

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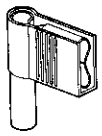
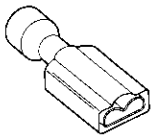


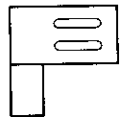
DNFR14-206B
Right Angle Female Disconnect



DNG14-187FB
SUPRA-GRIP™
Female Disconnect

DNH10-250FI
Heat Shrink
Disconnects

DPF18-250FIM
DISCO-GRIP™
Male Disconnect



DR10-250
Right Angle
Disconnect, Non-Ins.

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities Qty 1	Qty 2	Qty 3	Price UOM	Suggested Trade Prices Price 1	Price 2	Price 3
DNFR14-206B-X	FEM FLAG DISC, NYLON, 16-14AWG, 205X020	10 PC		1	100	1000	C	$ 93.89	$ 73.39	$ 58.63
DNFR14-206FIB-C	FEM FLAG DISC,NYLON FI, 16-14AWG,205X020	100 PC	1000	1	100	1000	C	69.64	54.43	43.49
DNFR14-250B-C	FEM FLAG DISC, NYLON, 16-14AWG, 250X032	100 PC	1000	1	100	1000	C	72.41	56.60	45.22
DNFR14-250B-X	FEM FLAG DISC, NYLON, 16-14AWG, 250X032	10 PC	100	10			C	76.51		
DNFR14-250FIB-C	FEM FLAG DISC,NYLON FI, 16-14AWG,250X032	100 PC	1000	1	100	1000	C	69.64	54.43	43.49
DNFR18-205B-C	FEM FLAG DISC, NYLON, 22-18AWG, 205X032	100 PC	1000	1	100	1000	C	66.98	52.36	41.83
DNFR18-205FIB-C	FEM FLAG DISC,NYLON FI, 22-18AWG,205X032	100 PC	1000	1	100	1000	C	69.64	54.43	43.49
DNFR18-206B-C	FEM FLAG DISC, NYLON, 22-18AWG, 205X020	100 PC	1000	1	100	1000	C	66.98	52.36	41.83
DNFR18-206B-X	FEM FLAG DISC, NYLON, 22-18AWG, 205X020	10 PC		1	100	1000	C	93.89	73.39	58.63
DNFR18-206FIB-C	FEM FLAG DISC,NYLON FI, 22-18AWG,205X020	100 PC	1000	1	100	1000	C	69.64	54.43	43.49
DNFR18-250B-C	FEM FLAG DISC, NYLON, 22-18AWG, 250X032	100 PC	1000	1	100	1000	C	65.70	51.36	41.03
DNFR18-250B-X	FEM FLAG DISC, NYLON, 22-18AWG, 250X032	10 PC	100	10			C	76.51		
DNFR18-250FIB-C	FEM FLAG DISC,NYLON FI, 22-18AWG,250X032	100 PC	1000	1	100	1000	C	69.64	54.43	43.49
DNG14-187FB-C	FEM DISC SG, NYLON FI, 16-14AWG, 187X032	100 PC	1000	1	100	1000	C	76.04	59.37	47.57
DNG14-188FB-C	FEM DISC SG, NYLON FI, 16-14AWG, 187X020	100 PC	1000	1	100	1000	C	76.04	59.37	47.57
DNG14-250FB-C	FEM DISC SG, NYLON FI, 16-14AWG, 250X032	100 PC	1000	1	100	1000	C	76.04	59.37	47.57
DNG14-250FL-C	FEM DISC DL, NYLON FI, 16-14AWG, 250X032	100 PC	1000	1	100	1000	C	90.14	70.38	56.39
DNG18-187FB-C	FEM DISC SG, NYLON FI, 22-18AWG, 187X032	100 PC	1000	1	100	1000	C	76.04	59.37	47.57
DNG18-188FB-C	FEM DISC SG, NYLON FI, 22-18AWG, 187X020	100 PC	1000	1	100	1000	C	76.04	59.37	47.57
DNG18-250FB-C	FEM DISC SG, NYLON FI, 22-18AWG, 250X032	100 PC	1000	1	100	1000	C	76.04	59.37	47.57
DNG18-250FL-C	FEM DISC DL, NYLON FI, 22-18AWG, 250X032	100 PC	1000	1	100	1000	C	90.14	70.38	56.39
DNH10-250FI-E	FEM DISC,HEAT SHRNK FI, 12-10AWG,250X032	20 PC	100	1	20	200	C	136.44	106.65	85.20
DNH14-250FIB-Q	FEM DISC,HEAT SHRNK FI, 16-14AWG,250X032	25 PC	125	1	25	250	C	126.11	98.58	78.75
DNH14-250FIM-Q	MALE DISC,HEAT SHRNK FI,16-14AWG,250X032	25 PC	125	1	25	250	C	126.11	98.58	78.75
DNH18-250FIB-Q	FEM DISC,HEAT SHRNK FI, 22-18AWG,250X032	25 PC	125	1	25	250	C	126.11	98.58	78.75
DNH18-250FIM-Q	MALE DISC,HEAT SHRNK FI,22-18AWG,250X032	25 PC	125	1	25	250	C	126.11	98.58	78.75
DPF10-250FI-L	FEM DISC,PREM NYLON FI, 12-10AWG,250X032	50 PC	500	1	50	500	C	78.95	61.65	49.39
DPF10-250FIB-L	FEM DISC,PREM NYLON FI, 12-10AWG,250X032	50 PC	500	1	50	500	C	67.76	52.91	42.39
DPF14-205FIB-C	FEM DISC,PREM NYLON FI, 16-14AWG,205X032	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF14-206FIB-C	FEM DISC,PREM NYLON FI, 16-14AWG,205X020	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF14-250FIB-C	FEM DISC,PREM NYLON FI, 16-14AWG,250X032	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF14-250FIM-C	MALE DISC,PREM NYLON FI,16-14AWG,250X032	100 PC	1000	1	100	1000	C	69.07	53.93	43.21
DPF14-250FIMB-L	MALE DISC,OVR PR NYL FI,16-14AWG,250X032	50 PC	500	1	50	500	C	75.97	59.32	47.53
DPF18-110FIB-C	FEM DISC,PREM NYLON FI, 22-18AWG,110X032	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF18-111FIB-C	FEM DISC,PREM NYLON FI, 22-18AWG,110X020	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF18-205FIB-C	FEM DISC,PREM NYLON FI, 22-18AWG,205X032	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF18-206FIB-C	FEM DISC,PREM NYLON FI, 22-18AWG,205X020	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF18-250FIB-C	FEM DISC,PREM NYLON FI, 22-18AWG,250X032	100 PC	1000	1	100	1000	C	70.43	54.99	44.06
DPF18-250FIM-C	MALE DISC,PREM NYLON FI,22-18AWG,250X032	100 PC	1000	1	100	1000	C	69.07	53.93	43.21
DPF18-250FIMB-L	MALE DISC,OVR PR NYL FI,22-18AWG,250X032	50 PC	500	1	50	500	C	75.97	59.32	47.53
DR10-250-L	FEM FLAG DISC, NON-INS, 12-10AWG,250X032	50 PC	500	1	50	500	C	70.42	55.04	43.97
DR10-250-X	FEM FLAG DISC, NON-INS, 12-10AWG,250X032	10 PC	100	10			C	80.10		
DR14-205-C	FEM FLAG DISC, NON-INS, 16-14AWG,205X032	100 PC	1000	1	100	1000	C	52.70	40.79	32.85
DR14-205B-C	FEM FLAG DISC, NON-INS, 16-14AWG,205X032	100 PC	1000	1	100	1000	C	42.18	32.65	26.30
DR14-206-C	FEM FLAG DISC, NON-INS, 16-14AWG,205X020	100 PC	1000	1	100	1000	C	52.70	40.79	32.85
DR14-206B-C	FEM FLAG DISC, NON-INS, 16-14AWG,205X020	100 PC	1000	1	100	1000	C	42.18	32.65	26.30
DR14-250-C	FEM FLAG DISC, NON-INS, 16-14AWG,250X032	100 PC	1000	1	100	1000	C	43.92	34.33	27.43
DR14-250-X	FEM FLAG DISC, NON-INS, 16-14AWG,250X032	10 PC	100	10			C	54.73		
DR14-250B-C	FEM FLAG DISC, NON-INS, 16-14AWG,250X032	100 PC	1000	1	100	1000	C	42.18	32.65	26.30
DR18-205-C	FEM FLAG DISC, NON-INS, 22-18AWG,205X032	100 PC	1000	1	100	1000	C	52.70	40.79	32.85
DR18-205B-C	FEM FLAG DISC, NON-INS, 22-18AWG,205X032	100 PC	1000	1	100	1000	C	40.99	31.73	25.55
DR18-206-C	FEM FLAG DISC, NON-INS, 22-18AWG,205X020	100 PC	1000	1	100	1000	C	52.70	40.79	32.85
DR18-206B-C	FEM FLAG DISC, NON-INS, 22-18AWG,205X020	100 PC	1000	1	100	1000	C	40.99	31.73	25.55
DR18-250-C	FEM FLAG DISC, NON-INS, 22-18AWG,250X032	100 PC	1000	1	100	1000	C	50.49	39.47	31.53
DR18-250-X	FEM FLAG DISC, NON-INS, 22-18AWG,250X032	10 PC	100	10			C	54.73		

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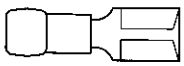
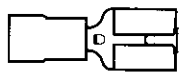


DV14-250B
Female Disconnect,
Butted Seam



DVF14-187
Female Disconnect,
Ins. Grip Sleeve

F77-8-M
Ferrule End Sleeve,
Non-Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
DR18-250B-C	FEM FLAG DISC, NON-INS, 22-18AWG,250X032	100 PC	1000	1	100	1000	C	$ 40.99	$ 31.73	$ 25.55
DV10-250-L	FEM DISC, VINYL BI, 12-10AWG, 250 X 032	50 PC	500	1	50	500	C	68.81	53.73	43.05
DV10-250-Q	FEM DISC, VINYL BI, 12-10AWG, 250 X 032	25 PC	250	1	25	250	C	70.87	55.34	44.33
DV10-250-X	FEM DISC, VINYL BI, 12-10AWG, 250 X 032	10 PC	100	10			C	79.53		
DV10-250M-L	MALE DISC, VINYL BI, 12-10AWG, 250 X 032	50 PC	500	1	50	500	C	64.01	50.03	39.97
DV10-250M-X	MALE DISC, VINYL BI, 12-10AWG, 250 X 032	10 PC	100	10			C	73.82		
DV14-145M-C	MALE BLADE, VINYL BI, 16-14AWG, 145X032	100 PC	500	1	100	500	C	65.93	51.53	41.17
DV14-187B-C	FEM DISC, VINYL BI, 16-14AWG, 187 X 032	100 PC	500	1	100	500	C	52.30	40.88	32.66
DV14-188B-C	FEM DISC, VINYL BI, 16-14AWG, 187 X 020	100 PC	500	1	100	500	C	52.30	40.88	32.66
DV14-205B-C	FEM DISC, VINYL BI, 16-14AWG, 205 X 032	100 PC	500	1	100	500	C	52.30	40.88	32.66
DV14-206B-C	FEM DISC, VINYL BI, 16-14AWG, 205 X 020	100 PC	500	1	100	500	C	52.30	40.88	32.66
DV14-250B-C	FEM DISC, VINYL BI, 16-14AWG, 250 X 032	100 PC	500	1	100	500	C	50.02	39.06	31.29
DV14-250B-L	FEM DISC, VINYL BI, 16-14AWG, 250 X 032	50 PC	500	1	50	500	C	54.01	42.17	33.78
DV14-250MB-C	MALE DISC, VINYL BI, 16-14AWG, 250 X 032	100 PC	500	1	100	500	C	54.53	42.58	34.11
DV14-250MB-X	MALE DISC, VINYL BI, 16-14AWG, 250 X 032	10 PC	100	10			C	65.14		
DV14-250P-C	PIGGYBK DISC, VINYL, 16-14AWG, 250X032	100 PC	1000	1	100	1000	C	102.27	79.86	63.98
DV14-250P-X	PIGGYBK DISC, VINYL, 16-14AWG, 250X032	10 PC	100	10			C	104.40		
DV18-145M-C	MALE BLADE, VINYL BI, 22-18AWG, 145X032	100 PC	500	1	100	500	C	65.93	51.53	41.17
DV18-187B-C	FEM DISC, VINYL BI, 22-18AWG, 187 X 032	100 PC	500	1	100	500	C	53.75	42.01	33.56
DV18-188B-C	FEM DISC, VINYL BI, 22-18AWG, 187 X 020	100 PC	500	1	100	500	C	53.75	42.01	33.56
DV18-205B-C	FEM DISC, VINYL BI, 22-18AWG, 205 X 032	100 PC	500	1	100	500	C	53.75	42.01	33.56
DV18-206B-C	FEM DISC, VINYL BI, 22-18AWG, 205 X 020	100 PC	500	1	100	500	C	53.75	42.01	33.56
DV18-250B-C	FEM DISC, VINYL BI, 22-18AWG, 250 X 032	100 PC	500	1	100	500	C	51.40	40.13	32.15
DV18-250B-L	FEM DISC, VINYL BI, 22-18AWG, 250 X 032	50 PC	500	1	50	500	C	54.01	42.17	33.78
DV18-250MB-C	MALE DISC, VINYL BI, 22-18AWG, 250 X 032	100 PC	500	1	100	500	C	55.40	43.30	34.59
DV18-250MB-X	MALE DISC, VINYL BI, 22-18AWG, 250 X 032	10 PC	100	10			C	65.14		
DV18-250P-C	PIGGYBK DISC, VINYL, 22-18AWG, 250X032	100 PC	1000	1	100	1000	C	102.27	79.86	63.98
DVF14-187-C	FEM DISC, VINYL BI, 16-14AWG, 187 X 032	100 PC	500	1	100	500	C	67.72	52.93	42.29
DVF14-188-C	FEM DISC, VINYL BI, 16-14AWG, 187 X 020	100 PC	500	1	100	500	C	67.72	52.93	42.29
DVF14-205-C	FEM DISC, VINYL BI, 16-14AWG, 205 X 032	100 PC	500	1	100	500	C	67.72	52.93	42.29
DVF14-206-C	FEM DISC, VINYL BI, 16-14AWG, 205 X 020	100 PC	500	1	100	500	C	67.72	52.93	42.29
DVF14-250-C	FEM DISC, VINYL BI, 16-14AWG, 250 X 032	100 PC	500	1	100	500	C	60.09	46.97	37.52
DVF18-187-C	FEM DISC, VINYL BI, 22-18AWG, 187 X 032	100 PC	500	1	100	500	C	62.59	48.92	39.08
DVF18-188-C	FEM DISC, VINYL BI, 22-18AWG, 187 X 020	100 PC	500	1	100	500	C	62.59	48.92	39.08
DVF18-205-C	FEM DISC, VINYL BI, 22-18AWG, 205 X 032	100 PC	500	1	100	500	C	62.59	48.92	39.08
DVF18-206-C	FEM DISC, VINYL BI, 22-18AWG, 205 X 020	100 PC	500	1	100	500	C	62.59	48.92	39.08
DVF18-250-C	FEM DISC, VINYL BI, 22-18AWG, 250 X 032	100 PC	500	1	100	500	C	60.09	46.97	37.52
F73-5-M	FERRULE NON-INSULATED #24 AWG	1000 PC	10000	1000			M	36.94		
F73-7-M	FERRULE NON-INSULATED #24 AWG	1000 PC	10000	1000			M	36.94		
F74-5-M	FERRULE NON-INSULATED #24 AWG	1000 PC	10000	1000			M	36.94		
F74-7-M	FERRULE NON-INSULATED #24 AWG	1000 PC	10000	1000			M	36.94		
F75-6-M	FERRULE NON-INSULATED #22 AWG	1000 PC	10000	1000			M	42.33		
F75-8-M	FERRULE NON-INSULATED #22 AWG	1000 PC	10000	1000			M	42.33		
F75-10-M	FERRULE NON-INSULATED #22 AWG	1000 PC	10000	1000			M	42.33		
F76-6-M	FERRULE NON-INSULATED #20 AWG	1000 PC	10000	1000			M	42.33		
F76-8-M	FERRULE NON-INSULATED #20 AWG	1000 PC	10000	1000			M	42.33		
F76-10-M	FERRULE NON-INSULATED #20 AWG	1000 PC	10000	1000			M	42.33		
F76-12-M	FERRULE NON-INSULATED #20 AWG	1000 PC	10000	1000			M	42.33		
F77-6-M	FERRULE NON-INSULATED #18 AWG	1000 PC	10000	1000			M	42.33		
F77-7-M	FERRULE NON-INSULATED #18 AWG	1000 PC	10000	1000			M	42.33		
F77-8-M	FERRULE NON-INSULATED #18 AWG	1000 PC	10000	1000			M	42.33		
F77-10-M	FERRULE NON-INSULATED #18 AWG	1000 PC	10000	1000			M	42.33		
F77-12-M	FERRULE NON-INSULATED #18 AWG	1000 PC	10000	1000			M	42.33		
F78-7-M	FERRULE NON-INSULATED #16 AWG	1000 PC	10000	1000			M	46.72		
F78-8-M	FERRULE NON-INSULATED #16 AWG	1000 PC	10000	1000			M	46.72		

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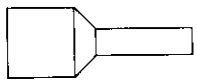
F83-12-D
Ferrule End Sleeve,
Non-Insulated



FSD
Ferrule End Sleeve,
Single Wire

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
F78-10-M	FERRULE NON-INSULATED #16 AWG	1000 PC	10000	1000			M	$ 46.72	$	$
F78-12-M	FERRULE NON-INSULATED #16 AWG	1000 PC	10000	1000			M	46.72		
F78-15-M	FERRULE NON-INSULATED #16 AWG	1000 PC	10000	1000			M	46.72		
F78-18-M	FERRULE NON-INSULATED #16 AWG	1000 PC	10000	1000			M	54.77		
F78-20-M	FERRULE NON-INSULATED #16 AWG	1000 PC	10000	1000			M	54.77		
F80-7-M	FERRULE NON-INSULATED #14 AWG	1000 PC	10000	1000			M	49.52		
F80-8-M	FERRULE NON-INSULATED #14 AWG	1000 PC	10000	1000			M	49.52		
F80-10-M	FERRULE NON-INSULATED #14 AWG	1000 PC	10000	1000			M	49.52		
F80-12-M	FERRULE NON-INSULATED #14 AWG	1000 PC	10000	1000			M	49.52		
F80-15-M	FERRULE NON-INSULATED #14 AWG	1000 PC	10000	1000			M	80.07		
F80-18-M	FERRULE NON-INSULATED #14 AWG	1000 PC	10000	1000			M	80.07		
F80-20-M	FERRULE NON-INSULATED #14 AWG	1000 PC	10000	1000			M	80.07		
F81-9-M	FERRULE NON-INSULATED #12 AWG	1000 PC	10000	1000			M	69.41		
F81-10-M	FERRULE NON-INSULATED #12 AWG	1000 PC	10000	1000			M	69.41		
F81-12-M	FERRULE NON-INSULATED #12 AWG	1000 PC	10000	1000			M	69.41		
F81-15-M	FERRULE NON-INSULATED #12 AWG	1000 PC	10000	1000			M	102.83		
F81-18-M	FERRULE NON-INSULATED #12 AWG	1000 PC	10000	1000			M	102.83		
F81-20-M	FERRULE NON-INSULATED #12 AWG	1000 PC	10000	1000			M	102.83		
F82-10-M	FERRULE NON-INSULATED #10 AWG	1000 PC	10000	1000			M	70.10		
F82-12-M	FERRULE NON-INSULATED #10 AWG	1000 PC	10000	1000			M	70.10		
F82-15-M	FERRULE NON-INSULATED #10 AWG	1000 PC	10000	1000			M	122.52		
F82-18-M	FERRULE NON-INSULATED #10 AWG	1000 PC	10000	1000			M	122.52		
F82-20-M	FERRULE NON-INSULATED #10 AWG	1000 PC	10000	1000			M	122.52		
F83-12-D	FERRULE NON-INSULATED #8 AWG	500 PC	5000	500			M	100.41		
F83-15-D	FERRULE NON-INSULATED #8 AWG	500 PC	5000	500			M	125.54		
F83-18-D	FERRULE NON-INSULATED #8 AWG	500 PC	5000	500			M	125.54		
F83-20-D	FERRULE NON-INSULATED #8 AWG	500 PC	5000	500			M	157.76		
F83-25-D	FERRULE NON-INSULATED #8 AWG	500 PC	5000	500			M	157.76		
F84-12-TL	FERRULE NON-INSULATED #6 AWG	250 PC	2500	250			M	110.75		
F84-15-TL	FERRULE NON-INSULATED #6 AWG	250 PC	2500	250			M	143.50		
F84-18-TL	FERRULE NON-INSULATED #6 AWG	250 PC	2500	250			M	143.50		
F84-20-TL	FERRULE NON-INSULATED #6 AWG	250 PC	2500	250			M	205.52		
F84-25-TL	FERRULE NON-INSULATED #6 AWG	250 PC	2500	250			M	205.52		
F84-32-TL	FERRULE NON-INSULATED #6 AWG	250 PC	2500	250			M	205.52		
F85-12-C	FERRULE NON-INSULATED #4 AWG	100 PC	1000	100			M	173.79		
F85-15-C	FERRULE NON-INSULATED #4 AWG	100 PC	1000	100			M	226.50		
F85-18-C	FERRULE NON-INSULATED #4 AWG	100 PC	1000	100			M	226.50		
F85-25-C	FERRULE NON-INSULATED #4 AWG	100 PC	1000	100			M	360.43		
F85-32-C	FERRULE NON-INSULATED #4 AWG	100 PC	1000	100			M	360.43		
F86-18-C	FERRULE NON-INSULATED #2 AWG	100 PC	1000	100			M	416.74		
F86-20-C	FERRULE NON-INSULATED #2 AWG	100 PC	1000	100			M	416.74		
F86-25-C	FERRULE NON-INSULATED #2 AWG	100 PC	1000	100			M	616.07		
F86-32-C	FERRULE NON-INSULATED #2 AWG	100 PC	1000	100			M	806.26		
F87-18-C	FERRULE NON-INSULATED #1 AWG	100 PC	1000	100			M	695.02		
F87-22-C	FERRULE NON-INSULATED #1 AWG	100 PC	1000	100			M	807.13		
F87-25-C	FERRULE NON-INSULATED #1 AWG	100 PC	1000	100			M	973.12		
F87-32-C	FERRULE NON-INSULATED #1 AWG	100 PC	1000	100			M	1320.63		
FPC-600	FOOT PEDAL CONTROL FOR CT-600	1 PC		1			PC	535.78		
FSD72-6-D	FERRULE VINYL INSULATED #26 AWG	500 PC	5000	500			M	89.69		
FSD72-8-D	FERRULE VINYL INSULATED #26 AWG	500 PC	5000	500			M	89.69		
FSD73-6-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSD73-8-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSD74-6-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSD74-8-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSD75-6-D	FERRULE VINYL INSULATED #22 AWG	500 PC	5000	500			M	74.53		

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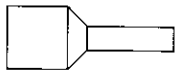
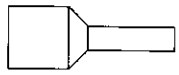


FSD85-18-L
Ferrule End Sleeve,
Single Wire



FSF75
Ferrule End Sleeve,
Single Wire

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
FSD75-8-D	FERRULE VINYL INSULATED #22 AWG	500 PC	5000	500			M	$ 74.53	$	$
FSD75-10-D	FERRULE VINYL INSULATED #22 AWG	500 PC	5000	500			M	74.53		
FSD76-6-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	74.53		
FSD76-8-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	74.53		
FSD76-10-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	74.53		
FSD76-12-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	74.53		
FSD77-6-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	74.53		
FSD77-8-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	74.53		
FSD77-10-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	74.53		
FSD77-12-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	74.53		
FSD78-6-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	95.84		
FSD78-8-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	95.84		
FSD78-10-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	106.51		
FSD78-12-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	106.51		
FSD78-18-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	106.51		
FSD79-8-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	106.51		
FSD80-8-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	106.51		
FSD80-12-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	127.81		
FSD80-18-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	138.48		
FSD81-10-D	FERRULE VINYL INSULATED #12 AWG	500 PC	5000	500			M	127.81		
FSD81-12-C	FERRULE VINYL INSULATED #12 AWG	100 PC	1000	100			M	127.81		
FSD81-18-C	FERRULE VINYL INSULATED #12 AWG	100 PC	1000	100			M	213.06		
FSD82-12-C	FERRULE VINYL INSULATED #10 AWG	100 PC	1000	100			M	170.46		
FSD82-18-C	FERRULE VINYL INSULATED #10 AWG	100 PC	1000	100			M	234.39		
FSD83-12-C	FERRULE VINYL INSULATED #8 AWG	100 PC	1000	100			M	191.76		
FSD83-18-C	FERRULE VINYL INSULATED #8 AWG	100 PC	1000	100			M	255.70		
FSD84-12-C	FERRULE VINYL INSULATED #6 AWG	100 PC	1000	100			M	234.39		
FSD84-18-C	FERRULE VINYL INSULATED #6 AWG	100 PC	1000	100			M	277.02		
FSD85-16-L	FERRULE VINYL INSULATED #4 AWG	50 PC	500	50			M	340.95		
FSD85-18-L	FERRULE VINYL INSULATED #4 AWG	50 PC	500	50			M	383.57		
FSD85-22-L	FERRULE VINYL INSULATED #4 AWG	50 PC	500	50			M	426.21		
FSD86-16-L	FERRULE VINYL INSULATED #2 AWG	50 PC	500	50			M	532.78		
FSD86-18-L	FERRULE VINYL INSULATED #2 AWG	50 PC	500	50			M	596.71		
FSD86-25-L	FERRULE VINYL INSULATED #2 AWG	50 PC	500	50			M	660.65		
FSD87-20-L	FERRULE VINYL INSULATED #1 AWG	50 PC	500	50			M	1065.61		
FSD87-25-Q	FERRULE VINYL INSULATED #1 AWG	25 PC	250	25			M	1254.60		
FSF72-6-D	FERRULE VINYL INSULATED #26 AWG	500 PC	5000	500			M	89.69		
FSF72-8-D	FERRULE VINYL INSULATED #26 AWG	500 PC	5000	500			M	89.69		
FSF73-6-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSF73-8-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSF74-6-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSF74-8-D	FERRULE VINYL INSULATED #24 AWG	500 PC	5000	500			M	89.69		
FSF75-6-D	FERRULE VINYL INSULATED #22 AWG	500 PC	5000	500			M	73.13		
FSF75-8-D	FERRULE VINYL INSULATED #22 AWG	500 PC	5000	500			M	73.13		
FSF75-10-D	FERRULE VINYL INSULATED #22 AWG	500 PC	5000	500			M	73.13		
FSF76-6-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	73.13		
FSF76-8-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	73.13		
FSF76-10-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	73.13		
FSF76-12-D	FERRULE VINYL INSULATED #20 AWG	500 PC	5000	500			M	73.13		
FSF77-6-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	73.13		
FSF77-8-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	73.13		
FSF77-10-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	73.13		
FSF77-12-D	FERRULE VINYL INSULATED #18 AWG	500 PC	5000	500			M	73.13		
FSF78-6-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	94.04		
FSF78-8-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	94.04		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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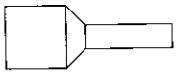
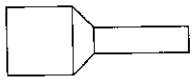
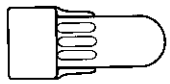


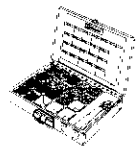
FSF82-18-C
Ferrule End Sleeve, Single Wire



FTD75-8-D
Ferrule End Sleeve, Twin Wire



JN418-212
Wire Joint, Nylon Insulated



K-1104
Steel Terminal Kit

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
FSF78-10-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	$ 104.49	$	$
FSF78-12-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	104.49		
FSF78-18-D	FERRULE VINYL INSULATED #16 AWG	500 PC	5000	500			M	104.49		
FSF79-8-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	104.49		
FSF80-8-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	104.49		
FSF80-12-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	125.40		
FSF80-18-D	FERRULE VINYL INSULATED #14 AWG	500 PC	5000	500			M	135.86		
FSF81-10-D	FERRULE VINYL INSULATED #12 AWG	500 PC	5000	500			M	125.40		
FSF81-12-C	FERRULE VINYL INSULATED #12 AWG	100 PC	1000	100			M	125.40		
FSF81-18-C	FERRULE VINYL INSULATED #12 AWG	100 PC	1000	100			M	209.04		
FSF82-12-C	FERRULE VINYL INSULATED #10 AWG	100 PC	1000	100			M	167.24		
FSF82-18-C	FERRULE VINYL INSULATED #10 AWG	100 PC	1000	100			M	229.97		
FSF83-12-C	FERRULE VINYL INSULATED #8 AWG	100 PC	1000	100			M	188.15		
FSF83-18-C	FERRULE VINYL INSULATED #8 AWG	100 PC	1000	100			M	250.88		
FSF84-12-C	FERRULE VINYL INSULATED #6 AWG	100 PC	1000	100			M	229.97		
FSF84-18-C	FERRULE VINYL INSULATED #6 AWG	100 PC	1000	100			M	271.79		
FSF85-16-L	FERRULE VINYL INSULATED #4 AWG	50 PC	500	50			M	334.52		
FSF85-18-L	FERRULE VINYL INSULATED #4 AWG	50 PC	500	50			M	376.33		
FSF85-22-L	FERRULE VINYL INSULATED #4 AWG	50 PC	500	50			M	418.17		
FSF86-16-L	FERRULE VINYL INSULATED #2 AWG	50 PC	500	50			M	522.72		
FSF86-18-L	FERRULE VINYL INSULATED #2 AWG	50 PC	500	50			M	585.46		
FSF86-25-L	FERRULE VINYL INSULATED #2 AWG	50 PC	500	50			M	648.18		
FSF87-20-L	FERRULE VINYL INSULATED #1 AWG	50 PC	500	50			M	1045.50		
FSF87-25-Q	FERRULE VINYL INSULATED #1 AWG	25 PC	250	25			M	1254.60		
FTD75-8-D	FERRULE, VINYL INS. TWIN WIRE	500 PC	5000	500			M	117.16		
FTD76-8-D	FERRULE, VINYL INS. TWIN WIRE	500 PC	5000	500			M	138.48		
FTD76-10-D	FERRULE, VINYL INS. TWIN WIRE	500 PC	5000	500			M	149.13		
FTD77-8-D	FERRULE, VINYL INS. TWIN WIRE	500 PC	5000	500			M	149.13		
FTD77-10-D	FERRULE, VINYL INS. TWIN WIRE	500 PC	5000	500			M	159.80		
FTD78-8-D	FERRULE, VINYL INS. TWIN WIRE	500 PC	5000	500			M	170.46		
FTD78-12-D	FERRULE, VINYL INS. TWIN WIRE	500 PC	5000	500			M	159.80		
FTD80-10-TL	FERRULE, VINYL INS. TWIN WIRE	250 PC	2500	250			M	234.39		
FTD80-13-TL	FERRULE, VINYL INS. TWIN WIRE	250 PC	2500	250			M	266.35		
FTD81-12-C	FERRULE, VINYL INS. TWIN WIRE	100 PC	1000	100			M	287.67		
FTD82-14-C	FERRULE, VINYL INS. TWIN WIRE	100 PC	1000	100			M	313.60		
J216-410-L	WIRE JOINT, NON-INS, 2 #16 - 4 #10 AWG	50 PC	500	1	50	500	C	45.91	35.89	28.67
J318-412-T	WIRE JOINT, NON-INS, 3 #18 - 4 #12 AWG	200 PC	2000	1	200	2000	C	18.00	14.07	11.24
JMN2-C	WIRE JOINT, NYLON, 0,5-2,5 MM2	100 PC	500	1	100	500	C	28.69	22.43	17.92
JMN6-C	WIRE JOINT, NYLON, 0,75-6,0 MM2	100 PC	500	1	100	500	C	44.38	34.69	27.71
JN218-216-C	WIRE JOINT, NYLON INS, 2 #22 - 2 #16 AWG	100 PC	1000	1	100	1000	C	27.44	21.43	17.17
JN218-216-X	WIRE JOINT, NYLON INS, 2 #22 - 2 #16 AWG	10 PC	100	10			C	29.10		
JN224-318-C	WIRE JOINT, NYLON INS, 2 #24 - 2 #16 AWG	100 PC	1000	1	100	1000	C	27.44	21.43	17.17
JN224-318-X	WIRE JOINT, NYLON INS, 2 #24 - 2 #16 AWG	10 PC	100	10			C	29.10		
JN314-412-C	WIRE JOINT, NYLON INS, 3 #14 - 4 #12 AWG	100 PC	1000	1	100	1000	C	53.02	41.40	33.17
JN314-412-X	WIRE JOINT, NYLON INS, 3 #14 - 4 #12 AWG	10 PC	100	10			C	58.29		
JN418-212-C	WIRE JOINT, NYLON INS, 4 #18 - 2 #12 AWG	100 PC	1000	1	100	1000	C	42.44	33.14	26.55
JN418-212-X	WIRE JOINT, NYLON INS, 4 #18 - 2 #12 AWG	10 PC	100	10			C	46.66		
K-1000	EMPTY STEEL TERMINAL KIT BOX	1 PK		1			PK	38.65		
K-1001	EMPTY STEEL INDUST MAINTENANCE KIT BOX	1 PK		1			PK	44.46		
K-1100	EMPTY STEEL BOX AND CT-100 CRIMP TOOL	1 PK		1			PK	68.55		
K-1102	VINYL TERMINAL KIT IN STEEL BOX	1 PK		1			PK	313.67		
K-1103	DISCONNECT KIT IN STEEL BOX	1 PK		1			PK	302.65		
K-1104	NYLON TERMINAL KIT IN STEEL BOX	1 PK		1			PK	344.78		
K1-PNKIT	INDUSTRIAL MAINTENANCE KIT IN STEEL BOX	1 KT		1			KT	292.51		
K2-PVKIT	INDUSTRIAL MAINTENANCE KIT IN STEEL BOX	1 KT		1			KT	224.25		

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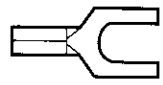
PANDUIT® Terminals and Installation Tooling

KP-1165
Plastic
Terminal Kit

P1-C
P-CONN™ HAWK™
Screw-on Wing Style

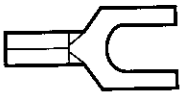
P2-12R
Ring Terminal,
Non-Insulated



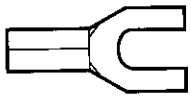
P10-6F
Fork Terminal,
Non-Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
KBCST1032	BLADE REPLACEMENT FOR CST1032 WIRE TOOL	1 PC		1			PC	$ 27.51	$	$
KP-305	WIRE CONNECTOR KIT, NUT AND WING STYLE	1 PK		1			PK	52.75		
KP-1000	EMPTY PLASTIC TERMINAL KIT BOX	1 PK		1			PK	18.64		
KP-1075	TERMINAL KIT W/O CRIMP TOOL, PLASTIC BOX	1 PK		1			PK	38.03		
KP-1165	TERMINAL KIT W/CRIMP TOOL, PLASTIC BOX	1 PK		1			PK	78.59		
KP-1166	TERMINAL KIT W/CRIMP TOOL, PLASTIC BOX	1 PK		1			PK	67.57		
KP-F1	FERRULE KIT NON-INSULATED	1 PC	6	1			PK	75.22		
KP-F2	FERRULE KIT NON-INSULATED	1 PC	6	1			PK	50.51		
KP-FSD1	FERRULE KIT VINYL INSULATED	1 PC	6	1			PK	49.11		
KP-FSD2	FERRULE KIT VINYL INSULATED	1 PC	6	1			PK	58.24		
KP-FSD3	FERRULE KIT VINYL INSULATED	1 PC	6	1			PK	49.11		
P-K1	WIRE CONNECTOR KIT, WING STYLE	1 PC	10	1			PC	4.56		
P1-10M	WIRE CONNECTOR, WING, NYLON, YELLOW	10000 PC		10000	50000		M	103.87	81.11	
P1-C	WIRE CONNECTOR, WING, NYLON, YEL	100 PC	1000	1	100	1000	C	13.05	10.19	8.17
P1-D	WIRE CONNECTOR, WING, NYLON, YEL	500 PC	5000	500	5000		M	108.45	84.68	
P1-X	WIRE CONNECTOR, WING, NYLON, YEL	10 PC	100	10			C	35.41		
P2-10M	WIRE CONNECTOR, WING, NYLON, RED	10000 PC		10000	50000	100000	M	136.26	106.40	
P2-10R-X	RING TERM, NON-INS, 2 AWG, #10	10 PC	100	1	10	100	C	238.43	184.56	148.64
P2-12R-X	RING TERM, NON-INS, 2 AWG, 1/2	10 PC	100	1	10	100	C	250.71	195.97	156.56
P2-14R-X	RING TERM, NON-INS, 2 AWG, 1/4	10 PC	100	1	10	100	C	228.45	178.57	142.66
P2-38R-X	RING TERM, NON-INS, 2 AWG, 3/8	10 PC	100	1	10	100	C	228.45	178.57	142.66
P2-56R-X	RING TERM, NON-INS, 2 AWG, 5/16	10 PC	100	1	10	100	C	228.45	178.57	142.66
P2-C	WIRE CONNECTOR, WING, NYLON, RED	100 PC	1000	1	100	1000	C	17.41	13.59	10.89
P2-D	WIRE CONNECTOR, WING, NYLON, RED	500 PC	5000	500	5000		M	139.61	109.01	
P2-X	WIRE CONNECTOR, WING, NYLON, RED	10 PC	100	10			C	40.61		
P2G-C	WIRE CONNECTOR, WING, GROUNDER, GRN	100 PC	1000	1	100	1000	C	20.63	16.11	12.91
P2G-D	WIRE CONNECTOR, WING, GROUNDER, GRN	500 PC	5000	500	5000		M	174.59	136.32	
P4-10R-E	RING TERM, NON-INS, 4 AWG, #10	20 PC	200	1	20	200	C	141.98	110.98	88.66
P4-12R-E	RING TERM, NON-INS, 4 AWG, 1/2	20 PC	200	1	20	200	C	167.90	131.24	104.85
P4-14R-E	RING TERM, NON-INS, 4 AWG, 1/4	20 PC	200	1	20	200	C	144.73	113.13	90.38
P4-38R-E	RING TERM, NON-INS, 4 AWG, 3/8	20 PC	200	1	20	200	C	144.73	113.13	90.38
P4-56R-E	RING TERM, NON-INS, 4 AWG, 5/16	20 PC	200	1	20	200	C	144.73	113.13	90.38
P4-L	WIRE CONNECTOR, WING, NYLON, BLUE	50 PC	500	1	50	500	C	44.57	34.80	27.88
P4-TL	WIRE CONNECTOR, WING, NYLON, BLUE	250 PC	2500	250	2500		M	330.19	257.82	
P4-X	WIRE CONNECTOR, WING, NYLON, BLUE	10 PC	100	10			C	77.71		
P6-8R-E	RING TERM, NON-INS, 6 AWG, #8	20 PC	200	1	20	200	C	115.85	90.56	72.34
P6-10R-E	RING TERM, NON-INS, 6 AWG, #10	20 PC	200	1	20	200	C	112.51	87.94	70.26
P6-12R-E	RING TERM, NON-INS, 6 AWG, 1/2	20 PC	200	1	20	200	C	127.76	99.86	79.78
P6-14R-E	RING TERM, NON-INS, 6 AWG, 1/4	20 PC	200	1	20	200	C	113.58	88.78	70.93
P6-38R-E	RING TERM, NON-INS, 6 AWG, 3/8	20 PC	200	1	20	200	C	112.51	87.94	70.26
P6-56R-E	RING TERM, NON-INS, 6 AWG, 5/16	20 PC	200	1	20	200	C	112.51	87.94	70.26
P8-8R-Q	RING TERM, NON-INS, 8 AWG, #8	25 PC	250	1	25	250	C	100.07	78.22	62.49
P8-10R-Q	RING TERM, NON-INS, 8 AWG, #10	25 PC	250	1	25	250	C	102.00	79.73	63.69
P8-12R-Q	RING TERM, NON-INS, 8 AWG, 1/2	25 PC	250	1	25	250	C	117.55	91.88	73.40
P8-14R-Q	RING TERM, NON-INS, 8 AWG, 1/4	25 PC	250	1	25	250	C	100.07	78.22	62.49
P8-38R-Q	RING TERM, NON-INS, 8 AWG, 3/8	25 PC	250	1	25	250	C	100.07	78.22	62.49
P8-56R-Q	RING TERM, NON-INS, 8 AWG, 5/16	25 PC	250	1	25	250	C	101.03	78.97	63.09
P10-5SLF-L	SHRT LOCK FORK TERM,NON-INS,12-10AWG,#5	50 PC	500	1	50	500	C	40.99	32.04	25.60
P10-6F-L	FORK TERM, NON-INS, 12-10 AWG, #6	50 PC	500	1	50	500	C	30.73	23.99	19.22
P10-6F-Q	FORK TERM, NON-INS, 12-10 AWG, #6	25 PC	250	1	25	250	C	34.19	26.69	21.39
P10-6LF-L	LOCK FORK TERM, NON-INS, 12-10 AWG, #6	50 PC	500	1	50	500	C	43.59	33.74	27.18
P10-6R-L	RING TERM, NON-INS, 12-10 AWG, #6	50 PC	500	1	50	500	C	33.16	25.89	20.74
P10-6R-Q	RING TERM, NON-INS, 12-10 AWG, #6	25 PC	250	1	25	250	C	34.19	26.69	21.39
P10-6RHT6-L	RING TERM HI TEMP, NON-INS, 12-10 AWG,#6	50 PC	500	1	50	500	C	46.20	35.76	28.80
P10-6SLF-L	SHRT LOCK FORK TERM,NON-INS,12-10AWG,#6	50 PC	500	1	50	500	C	40.99	32.04	25.60

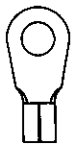
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



P10-8SLF
Short Locking Fork,
Non-Insulated



P10-10F
Fork Terminal



P10-10R
Ring Terminal,
Non-Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
P10-8F-L	FORK TERM, NON-INS, 12-10 AWG, #8	50 PC	500	1	50	500	C	$ 32.52	$ 25.39	$ 20.34
P10-8F-Q	FORK TERM, NON-INS, 12-10 AWG, #8	25 PC	250	1	25	250	C	34.19	26.69	21.39
P10-8LF-L	LOCK FORK TERM, NON-INS, 12-10 AWG, #8	50 PC	500	1	50	500	C	40.60	31.74	25.35
P10-8R-L	RING TERM, NON-INS, 12-10 AWG, #8	50 PC	500	1	50	500	C	33.16	25.89	20.74
P10-8R-Q	RING TERM, NON-INS, 12-10 AWG, #8	25 PC	250	1	25	250	C	34.19	26.69	21.39
P10-8RHT6-L	RING TERM HI TEMP, NON-INS, 12-10 AWG,#8	50 PC	500	1	50	500	C	46.20	35.76	28.80
P10-8SLF-L	SHRT LOCK FORK TERM,NON-INS,12-10AWG,#8	50 PC	500	1	50	500	C	40.99	32.04	25.60
P10-10F-L	FORK TERM, NON-INS, 12-10 AWG, #10	50 PC	500	1	50	500	C	33.51	26.16	20.96
P10-10F-Q	FORK TERM, NON-INS, 12-10 AWG, #10	25 PC	250	1	25	250	C	34.19	26.69	21.39
P10-10F-X	FORK TERM, NON-INS, 12-10 AWG, #10	10 PC	100	10			C	37.69		
P10-10FF-L	FLANGED FORK TERM, NON-INS,12-10 AWG,#10	50 PC	500	1	50	500	C	43.28	33.50	26.98
P10-10LF-L	LOCK FORK TERM, NON-INS, 12-10 AWG, #10	50 PC	500	1	50	500	C	41.77	32.65	26.08
P10-10R-L	RING TERM, NON-INS, 12-10 AWG, #10	50 PC	500	1	50	500	C	33.84	26.42	21.17
P10-10R-Q	RING TERM, NON-INS, 12-10 AWG, #10	25 PC	250	1	25	250	C	34.19	26.69	21.39
P10-10R-X	RING TERM, NON-INS, 12-10 AWG, #10	10 PC	100	10			C	37.69		
P10-10RHT6-L	RING TERM HI TEMP, NON-INS, 12-10 AWG,#10	50 PC	500	1	50	500	C	46.20	35.76	28.80
P10-10SLF-L	SHRT LOCK FORK TERM,NON-INS,1210 AWG,#10	50 PC	500	1	50	500	C	40.99	32.04	25.60
P10-14F-L	FORK TERM, NON-INS, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	38.78	30.28	24.26
P10-14LF-L	LOCK FORK TERM, NON-INS, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	52.70	40.79	32.85
P10-14R-L	RING TERM, NON-INS, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	40.34	31.50	25.24
P10-14RHT6-L	RING TERM HI TEMP, NON-INS, 12-10 AWG,1/4	50 PC	500	1	50	500	C	46.20	35.76	28.80
P10-14SLF-L	SHRT LOCK FORK TERM,NON-INS,12-10 AWG,1/4	50 PC	500	1	50	500	C	41.40	32.36	25.85
P10-38R-L	RING TERM, NON-INS, 12-10 AWG, 3/8	50 PC	500	1	50	500	C	40.19	31.41	25.10
P10-56R-L	RING TERM, NON-INS, 12-10 AWG, 5/16	50 PC	500	1	50	500	C	40.19	31.41	25.10
P10-610R-L	RING TERM, NON-INS, 12-10 AWG, #6-#10	50 PC	500	1	50	500	C	39.80	31.11	24.85
P10-P55-L	PIN TERM, NON-INS, 12-10 AWG	50 PC	500	1	50	500	C	73.18	56.65	45.62
P12-6HDR-L	HVY DUTY RING TERM, NON-INS,16-12 AWG,#6	50 PC	500	1	50	500	C	49.76	38.52	31.02
P12-8HDR-L	HVY DUTY RING TERM, NON-INS,16-12 AWG,#8	50 PC	500	1	50	500	C	49.76	38.52	31.02
P12-10HDR-L	HVY DUTY RING TERM, NON-INS,16-12 AWG,#10	50 PC	500	1	50	500	C	49.76	38.52	31.02
P12-14HDR-L	HVY DUTY RING TERM, NON-INS,16-12 AWG,1/4	50 PC	500	1	50	500	C	56.38	43.64	35.15
P12-38HDR-L	HVY DUTY RING TERM, NON-INS,16-12 AWG,3/8	50 PC	500	1	50	500	C	55.83	43.22	34.81
P12-56HDR-L	HVY DUTY RING TERM,NON-INS,16-12 AWG,5/16	50 PC	500	1	50	500	C	56.38	43.64	35.15
P14-4R-C	RING TERM, NON-INS, 16-14 AWG, #4	100 PC	1000	1	100	1000	C	24.41	19.08	15.24
P14-6F-C	FORK TERM, NON-INS, 16-14 AWG, #6	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P14-6F-L	FORK TERM, NON-INS, 16-14 AWG, #6	50 PC	500	1	50	500	C	24.05	18.78	15.04
P14-6F-X	FORK TERM, NON-INS, 16-14 AWG, #6	10 PC	100	10			C	30.05		
P14-6FF-C	FLANGED FORK TERM, NON-INS, 16-14 AWG,#6	100 PC	500	1	100	500	C	30.66	23.74	19.12
P14-6FN-C	FORK TERM, NON-INS, 16-14 AWG, #6	100 PC	1000	1	100	1000	C	22.91	17.89	14.33
P14-6LF-C	LOCK FORK TERM, NON-INS, 16-14 AWG, #6	100 PC	500	1	100	500	C	30.07	23.50	18.78
P14-6LFW-C	LOCK FORK TERM, NON-INS, 16-14 AWG, #6	100 PC	500	1	100	500	C	30.81	23.85	19.21
P14-6R-C	RING TERM, NON-INS, 16-14 AWG, #6	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P14-6R-L	RING TERM, NON-INS, 16-14 AWG, #6	50 PC	500	1	50	500	C	24.51	19.13	15.33
P14-6RHT6-C	RING TERM HI TEMP, NON-INS, 16-14 AWG,#6	100 PC	1000	1	100	1000	C	32.72	25.33	20.40
P14-6SLF-C	SHRT LOCK FORK TERM,NON-INS,16-14 AWG,#6	100 PC	1000	1	100	1000	C	29.92	23.36	18.71
P14-8F-C	FORK TERM, NON-INS, 16-14 AWG, #8	100 PC	1000	1	100	1000	C	24.22	18.91	15.15
P14-8F-L	FORK TERM, NON-INS, 16-14 AWG, #8	50 PC	500	1	50	500	C	24.29	18.96	15.19
P14-8F-X	FORK TERM, NON-INS, 16-14 AWG, #8	10 PC	100	10			C	30.34		
P14-8FF-C	FLANGED FORK TERM, NON-INS, 16-14 AWG,#8	100 PC	500	1	100	500	C	29.38	22.97	18.35
P14-8LF-C	LOCK FORK TERM, NON-INS, 16-14 AWG, #8	100 PC	500	1	100	500	C	30.07	23.50	18.78
P14-8R-C	RING TERM, NON-INS, 16-14 AWG, #8	100 PC	1000	1	100	1000	C	24.22	18.91	15.15
P14-8R-L	RING TERM, NON-INS, 16-14 AWG, #8	50 PC	500	1	50	500	C	24.05	18.78	15.04
P14-8RHT6-C	RING TERM HI TEMP, NON-INS, 16-14 AWG,#8	100 PC	1000	1	100	1000	C	32.72	25.33	20.40
P14-8SLF-C	SHRT LOCK FORK TERM,NON-INS,16-14 AWG,#8	100 PC	1000	1	100	1000	C	29.92	23.36	18.71
P14-10F-C	FORK TERM, NON-INS, 16-14 AWG, #10	100 PC	1000	1	100	1000	C	24.22	18.91	15.15
P14-10F-L	FORK TERM, NON-INS, 16-14 AWG, #10	50 PC	500	1	50	500	C	24.29	18.96	15.19

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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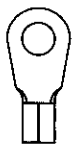
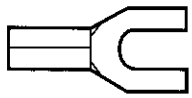
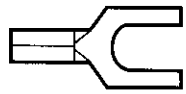


P14-10R
Ring Terminal,
Non-Insulated



P14-14F
Fork Terminal,
Non-Insulated



P18-6SLF
Short Locking Fork,
Non-Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
P14-10FN-C	FORK TERM, NON-INS, 16-14 AWG, #10	100 PC	1000	1	100	1000	C	$ 23.98	$ 18.72	$ 15.00
P14-10LF-C	LOCK FORK TERM, NON-INS, 16-14 AWG, #10	100 PC	500	1	100	500	C	30.07	23.50	18.78
P14-10LFN-C	LOCK FORK TERM, NON-INS, 16-14 AWG, #10	100 PC	500	1	100	500	C	29.52	23.07	18.43
P14-10R-C	RING TERM, NON-INS, 16-14 AWG, #10	100 PC	1000	1	100	1000	C	24.22	18.91	15.15
P14-10R-L	RING TERM, NON-INS, 16-14 AWG, #10	50 PC	500	1	50	500	C	24.05	18.78	15.04
P14-10R-X	RING TERM, NON-INS, 16-14 AWG, #10	10 PC	100	10			C	30.05		
P14-10RHT6-C	RING TERM HI TEMP, NON-INS, 16-14 AWG,#10	100 PC	1000	1	100	1000	C	32.72	25.33	20.40
P14-10SLF-C	SHRT LOCK FORK TERM,NON-INS,16-14 AWG,#10	100 PC	1000	1	100	1000	C	29.92	23.36	18.71
P14-14F-C	FORK TERM, NON-INS, 16-14 AWG, 1/4	100 PC	1000	1	100	1000	C	33.97	26.52	21.25
P14-14R-C	RING TERM, NON-INS, 16-14 AWG, 1/4	100 PC	1000	1	100	1000	C	34.60	27.02	21.65
P14-14SLF-C	SHRT LOCK FORK TERM,NON-INS,16-14 AWG,1/4	100 PC	1000	1	100	1000	C	33.97	26.52	21.25
P14-38R-C	RING TERM, NON-INS, 16-14 AWG, 3/8	100 PC	1000	1	100	1000	C	34.83	27.23	21.75
P14-56R-C	RING TERM, NON-INS, 16-14 AWG, 5/16	100 PC	1000	1	100	1000	C	34.83	27.23	21.75
P14-610R-C	RING TERM, NON-INS, 16-14 AWG, #6-#10	100 PC	500	1	100	500	C	27.96	21.86	17.46
P14-P47-C	PIN TERM, NON-INS, 16-14 AWG	100 PC	1000	1	100	1000	C	40.35	31.54	25.20
P18-4R-C	RING TERM, NON-INS, 22-18 AWG, #4	100 PC	1000	1	100	1000	C	23.95	18.72	14.96
P18-6F-C	FORK TERM, NON-INS, 22-18 AWG, #6	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P18-6F-L	FORK TERM, NON-INS, 22-18 AWG, #6	50 PC	500	1	50	500	C	24.51	19.13	15.33
P18-6F-X	FORK TERM, NON-INS, 22-18 AWG, #6	10 PC	100	10			C	30.63		
P18-6FN-C	FORK TERM, NON-INS, 22-18 AWG, #6	100 PC	1000	1	100	1000	C	22.91	17.89	14.33
P18-6LF-C	LOCK FORK TERM, NON-INS, 22-18 AWG, #6	100 PC	500	1	100	500	C	30.07	23.50	18.78
P18-6LFW-C	LOCK FORK TERM, NON-INS, 22-18 AWG, #6	100 PC	500	1	100	500	C	30.81	23.85	19.21
P18-6R-C	RING TERM, NON-INS, 22-18 AWG, #6	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P18-6R-L	RING TERM, NON-INS, 22-18 AWG, #6	50 PC	500	1	50	500	C	24.51	19.13	15.33
P18-6RHT6-C	RING TERM HI TEMP, NON-INS, 22-18 AWG,#6	100 PC	1000	1	100	1000	C	32.72	25.33	20.40
P18-6RN-C	RING TERM, NON-INS, 22-18 AWG, #6	100 PC	1000	1	100	1000	C	25.00	19.35	15.59
P18-6SLF-C	SHRT LOCK FORK TERM,NON-INS,22-18AWG,#6	100 PC	1000	1	50	500	C	31.28	24.45	19.53
P18-8F-C	FORK TERM, NON-INS, 22-18 AWG, #8	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P18-8F-L	FORK TERM, NON-INS, 22-18 AWG, #8	50 PC	500	1	50	500	C	24.05	18.78	15.04
P18-8FF-C	FLANGED FORK TERM, NON-INS, 22-18 AWG,#8	100 PC	500	1	100	500	C	29.38	22.97	18.35
P18-8LF-C	LOCK FORK TERM, NON-INS, 22-18 AWG, #8	100 PC	500	1	100	500	C	29.52	23.07	18.43
P18-8R-C	RING TERM, NON-INS, 22-18 AWG, #8	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P18-8R-L	RING TERM, NON-INS, 22-18 AWG, #8	50 PC	500	1	50	500	C	24.05	18.78	15.04
P18-8RHT6-C	RING TERM HI TEMP, NON-INS, 22-18 AWG,#8	100 PC	1000	1	100	1000	C	32.72	25.33	20.40
P18-8SLF-C	SHRT LOCK FORK TERM,NON-INS,22-18AWG,#8	100 PC	1000	1	50	500	C	31.28	24.45	19.53
P18-10F-C	FORK TERM, NON-INS, 22-18 AWG, #10	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P18-10F-L	FORK TERM, NON-INS, 22-18 AWG, #10	50 PC	500	1	50	500	C	24.05	18.78	15.04
P18-10FN-C	FORK TERM, NON-INS, 22-18 AWG, #10	100 PC	1000	1	100	1000	C	22.91	17.89	14.33
P18-10LF-C	LOCK FORK TERM, NON-INS, 22-18 AWG, #10	100 PC	500	1	100	500	C	31.38	24.29	19.56
P18-10LFN-C	LOCK FORK TERM, NON-INS, 22-18 AWG, #10	100 PC	500	1	100	500	C	30.81	23.85	19.21
P18-10R-C	RING TERM, NON-INS, 22-18 AWG, #10	100 PC	1000	1	100	1000	C	23.35	18.23	14.60
P18-10R-L	RING TERM, NON-INS, 22-18 AWG, #10	50 PC	500	1	50	500	C	24.51	19.13	15.33
P18-10R-X	RING TERM, NON-INS, 22-18 AWG, #10	10 PC	100	10			C	30.63		
P18-10RHT6-C	RING TERM HI TEMP, NON-INS, 22-18AWG,#10	100 PC	1000	1	100	1000	C	32.72	25.33	20.40
P18-10SLF-C	SHRT LOCK FORK TERM,NON-INS,22-18 AWG,#10	100 PC	1000	1	50	500	C	31.28	24.45	19.53
P18-14F-C	FORK TERM, NON-INS, 22-18 AWG, 1/4	100 PC	1000	1	100	1000	C	36.18	28.28	22.59
P18-14R-C	RING TERM, NON-INS, 22-18 AWG, 1/4	100 PC	1000	1	100	1000	C	36.18	28.28	22.59
P18-38R-C	RING TERM, NON-INS, 22-18 AWG, 3/8	100 PC	1000	1	100	1000	C	36.18	28.28	22.59
P18-56R-C	RING TERM, NON-INS, 22-18 AWG, 5/16	100 PC	1000	1	100	1000	C	37.07	28.69	23.11
P18-610R-C	RING TERM, NON-INS, 22-18 AWG, #6-#10	100 PC	500	1	100	500	C	27.96	21.86	17.46
P18-P47-C	PIN TERM, NON-INS, 22-18 AWG	100 PC	1000	1	100	1000	C	39.34	30.75	24.57
P22-2F-C	FORK TERM, NON-INS, 26-22 AWG, #2	100 PC	1000	1	100	1000	C	23.09	17.87	14.39
P22-2R-C	RING TERM, NON-INS, 26-22 AWG, #2	100 PC	1000	1	100	1000	C	23.09	17.87	14.39
P22-4F-C	FORK TERM, NON-INS, 26-22 AWG, #4	100 PC	1000	1	100	1000	C	23.09	17.87	14.39
P22-4R-C	RING TERM, NON-INS, 26-22 AWG, #4	100 PC	1000	1	100	1000	C	23.09	17.87	14.39

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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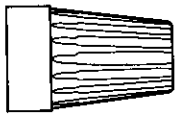
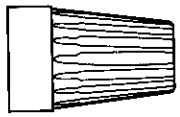
P22-6F
Fork Terminal,
Non-Insulated

P22-6R
Ring Terminal,
Non-Insulated



P72
P-CONN™ PYTHON™
Screw-on Nut Style



P72HT-10
P-CONN PYTHON,
High Temp, Nut Style

PF1
P-CONN SHARK™,
Screw-on Fin Style

PH1
P-CONN SIDEWINDER™
Screw-on Hex Style

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
P22-6F-C	FORK TERM, NON-INS, 26-22 AWG, #6	100 PC	1000	1	100	1000	C	$ 23.09	$ 17.87	$ 14.39
P22-6R-C	RING TERM, NON-INS, 26-22 AWG, #6	100 PC	1000	1	100	1000	C	23.09	17.87	14.39
P22-8R-C	RING TERM, NON-INS, 26-22 AWG, #8	100 PC	1000	1	100	1000	C	23.09	17.87	14.39
P22-10R-C	RING TERM, NON-INS, 26-22 AWG, #10	100 PC	1000	1	100	1000	C	23.09	17.87	14.39
P72-10M	WIRE CONNECTOR, NUT, NYLON, BLUE	10000 PC		10000	50000		M	66.12	51.62	
P72-C	WIRE CONNECTOR, NUT, NYLON, BLUE	100 PC	1000	1	100	1000	C	7.82	6.10	4.89
P72-D	WIRE CONNECTOR, NUT, NYLON, BLUE	500 PC	10000	500	5000		M	73.58	57.46	
P72HT-10M	WIRE CONNECTOR,HI TEMP NUT, BLACK	10000 PC		10000	50000		M	74.85	58.45	
P72HT-D	WIRE CONNECTOR,HI TEMP NUT, BLACK	500 PC	10000	500	5000		M	89.09	69.56	
P73-10M	WIRE CONNECTOR, NUT, NYLON, ORANGE	10000 PC		10000	50000		M	78.75	61.49	
P73-C	WIRE CONNECTOR, NUT, NYLON, ORANGE	100 PC	1000	1	100	1000	C	9.09	7.10	5.69
P73-D	WIRE CONNECTOR, NUT, NYLON, ORANGE	500 PC	10000	500	5000		M	83.66	65.32	
P73HT-10M	WIRE CONNECTOR, HI TEMP NUT, BLACK	10000 PC		10000	50000		M	91.98	71.82	
P73HT-D	WIRE CONNECTOR, HI TEMP NUT, BLACK	500 PC	10000	500	5000		M	100.63	78.57	
P74-10M	WIRE CONNECTOR, NUT, NYLON, YELLOW	10000 PC		10000	50000		M	85.63	66.86	
P74-C	WIRE CONNECTOR, NUT, NYLON, YELLOW	100 PC	1000	1	100	1000	C	10.40	8.12	6.51
P74-D	WIRE CONNECTOR, NUT, NYLON, YELLOW	500 PC	5000	500	5000		M	93.16	72.74	
P74HT-10M	WIRE CONNECTOR, HI TEMP NUT, BLACK	10000 PC		10000	50000		M	116.33	90.84	
P74HT-D	WIRE CONNECTOR, HI TEMP NUT, BLACK	500 PC	5000	500	5000		M	138.61	108.23	
P76-5M	WIRE CONNECTOR, NUT, NYLON, RED	5000 PC		5000	50000		M	121.85	95.14	
P76-C	WIRE CONNECTOR, NUT, NYLON, RED	100 PC	1000	1	100	1000	C	15.42	12.04	9.64
P76-TL	WIRE CONNECTOR, NUT, NYLON, RED	250 PC	2500	250	2500		M	125.64	98.10	
P76HT-5M	WIRE CONNECTOR, HI TEMP NUT, BLACK	5000 PC		5000	50000		M	193.49	151.08	
P76HT-TL	WIRE CONNECTOR, HI TEMP NUT, BLACK	250 PC	2500	250	2500		M	195.98	153.03	
PD-600	CT-600 POSITIONING DEVICE	1 PC		1			PC	504.85		
PF1-C	WIRE CONNECTOR, FIN, NYLON, YELLOW	100 PC	1000	1	100	1000	C	12.90	10.07	8.07
PF1-D	WIRE CONNECTOR, FIN, NYLON, YELLOW	500 PC	5000	500	5000		M	106.41	83.09	
PF1-X	WIRE CONNECTOR, FIN, NYLON, YELLOW	10 PC	100	10			C	26.66		
PF2-C	WIRE CONNECTOR, FIN, NYLON, RED	100 PC	1000	1	100	1000	C	17.30	13.51	10.82
PF2-D	WIRE CONNECTOR, FIN, NYLON, RED	500 PC	5000	500	5000		M	139.61	109.01	
PF2-X	WIRE CONNECTOR, FIN, NYLON, RED	10 PC	100	10			C	35.35		
PF2G-C	WIRE CONNECTOR, FIN, GROUNDER, GRN	100 PC	1000	1	100	1000	C	20.63	16.11	12.91
PF2G-D	WIRE CONNECTOR, FIN, GROUNDER, GRN	500 PC	5000	500	5000		M	174.59	136.32	
PF4-L	WIRE CONNECTOR, FIN, NYLON, BLUE	50 PC	500	1	50	500	C	39.92	31.17	24.98
PF4-TL	WIRE CONNECTOR, FIN, NYLON, BLUE	250 PC	2500	250	2500		M	330.19	257.82	
PF4-X	WIRE CONNECTOR, FIN, NYLON, BLUE	10 PC	100	10			C	53.34		
PH1-C	WIRE CONNECTOR, WING, NYLON, TAN	100 PC	1000	1	100	1000	C	15.92	12.43	9.96
PH1-D	WIRE CONNECTOR, WING, NYLON, TAN	500 PC	5000	500	5000		M	131.27	102.50	
PH2-L	WIRE CONNECTOR, WING, NYLON, GRAY	50 PC	500	1	50	500	C	29.59	23.10	18.51
PH2-TL	WIRE CONNECTOR, WING, NYLON, GRAY	250 PC	2500	250	2500		M	248.70	194.19	
PH10-8F-E	FORK TERM, HEAT SHRINK, 12-10 AWG, #8	20 PC	100	1	20	200	C	118.26	92.44	73.85
PH10-8R-E	RING TERM, HEAT SHRINK, 12-10 AWG, #8	20 PC	100	1	20	200	C	118.26	92.44	73.85
PH10-10F-E	FORK TERM, HEAT SHRINK, 12-10 AWG, #10	20 PC	100	1	20	200	C	118.26	92.44	73.85
PH10-10R-E	RING TERM, HEAT SHRINK, 12-10 AWG, #10	20 PC	100	1	20	200	C	118.26	92.44	73.85
PH10-12R-E	RING TERM, HEAT SHRINK, 12-10 AWG, 1/2	20 PC	100	1	20	200	C	130.07	101.67	81.22
PH10-14R-E	RING TERM, HEAT SHRINK, 12-10 AWG, 1/4	20 PC	100	1	20	200	C	130.07	101.67	81.22
PH10-38R-E	RING TERM, HEAT SHRINK, 12-10 AWG, 3/8	20 PC	100	1	20	200	C	130.07	101.67	81.22
PH14-6F-Q	FORK TERM, HEAT SHRINK, 16-14 AWG, #6	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH14-6R-Q	RING TERM, HEAT SHRINK, 16-14 AWG, #6	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH14-8F-Q	FORK TERM, HEAT SHRINK, 16-14 AWG, #8	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH14-8R-Q	RING TERM, HEAT SHRINK, 16-14 AWG, #8	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH14-10F-Q	FORK TERM, HEAT SHRINK, 16-14 AWG, #10	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH14-10R-Q	RING TERM, HEAT SHRINK, 16-14 AWG, #10	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH14-14R-Q	RING TERM, HEAT SHRINK, 16-14 AWG, 1/4	25 PC	125	1	25	250	C	116.42	91.00	72.70
PH14-38R-Q	RING TERM, HEAT SHRINK, 16-14 AWG, 3/8	25 PC	125	1	25	250	C	116.42	91.00	72.70

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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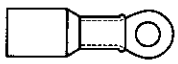
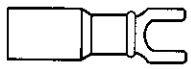
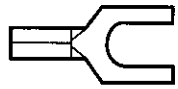


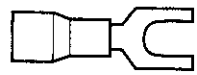
PH14-56R
Heat Shrink
Ring Terminals



PH18-6F
Heat Shrink
Fork Terminals



PM1-4F
Fork Tongue,
Metric



PMNF1-3F
Fork Tongue,
Funnel Entry

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PH14-56R-Q	RING TERM, HEAT SHRINK, 16-14 AWG,5/16	25 PC	125	1	25	250	C	$ 116.42	$ 91.00	$ 72.70
PH18-6F-Q	FORK TERM, HEAT SHRINK, 22-18 AWG, #6	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH18-6R-Q	RING TERM, HEAT SHRINK, 22-18 AWG, #6	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH18-8F-Q	FORK TERM, HEAT SHRINK, 22-18 AWG, #8	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH18-8R-Q	RING TERM, HEAT SHRINK, 22-18 AWG, #8	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH18-10F-Q	FORK TERM, HEAT SHRINK, 22-18 AWG, #10	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH18-10R-Q	RING TERM, HEAT SHRINK, 22-18 AWG, #10	25 PC	125	1	25	250	C	93.11	72.78	58.14
PH18-14R-Q	RING TERM, HEAT SHRINK, 22-18 AWG, 1/4	25 PC	125	1	25	250	C	116.42	91.00	72.70
PM1-3F-C	FORK TERM, NON-INS, 0,5-1,0 MM2, M3	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM1-3R-C	RING TERM, NON-INS, 0,5-1,0 MM2, M3	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM1-4F-C	FORK TERM, NON-INS, 0,5-1,0 MM2, M4	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM1-4R-C	RING TERM, NON-INS, 0,5-1,0 MM2, M4	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM1-5F-C	FORK TERM, NON-INS, 0,5-1,0 MM2, M5	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM1-5R-C	RING TERM, NON-INS, 0,5-1,0 MM2, M5	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM1-6F-C	FORK TERM, NON-INS, 0,5-1,0 MM2, M6	100 PC	500	1	100	500	C	35.86	28.03	22.39
PM1-6R-C	RING TERM, NON-INS, 0,5-1,0 MM2, M6	100 PC	500	1	100	500	C	35.86	28.03	22.39
PM1-P10-C	PIN TERM, NON-INS, 0,5-1,0 MM2	100 PC	500	1	100	500	C	38.02	29.69	23.78
PM2-3F-C	FORK TERM, NON-INS, 1,5-2,5 MM2, M3	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM2-3R-C	RING TERM, NON-INS, 1,5-2,5 MM2, M3	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM2-4F-C	FORK TERM, NON-INS, 1,5-2,5 MM2, M4	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM2-4R-C	RING TERM, NON-INS, 1,5-2,5 MM2, M4	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM2-5F-C	FORK TERM, NON-INS, 1,5-2,5 MM2, M5	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM2-5R-C	RING TERM, NON-INS, 1,5-2,5 MM2, M5	100 PC	500	1	100	500	C	26.61	20.78	16.65
PM2-6F-C	FORK TERM, NON-INS, 1,5-2,5 MM2, M6	100 PC	500	1	100	500	C	34.30	26.78	21.45
PM2-6R-C	RING TERM, NON-INS, 1,5-2,5 MM2, M6	100 PC	500	1	100	500	C	34.30	26.78	21.45
PM2-P10-C	PIN TERM, NON-INS, 1,5-2,5 MM2	100 PC	500	1	100	500	C	38.02	29.69	23.78
PM6-3R-L	RING TERM, NON-INS, 4,0-6,0 MM2, M3	50 PC	250	1	50	500	C	39.60	30.92	24.77
PM6-4F-L	FORK TERM, NON-INS, 4,0-6,0 MM2, M4	50 PC	250	1	50	500	C	39.60	30.92	24.77
PM6-4R-L	RING TERM, NON-INS, 4,0-6,0 MM2, M4	50 PC	250	1	50	500	C	39.60	30.92	24.77
PM6-5F-L	FORK TERM, NON-INS, 4,0-6,0 MM2, M5	50 PC	250	1	50	500	C	39.60	30.92	24.77
PM6-5R-L	RING TERM, NON-INS, 4,0-6,0 MM2, M5	50 PC	250	1	50	500	C	39.60	30.92	24.77
PM6-6F-L	FORK TERM, NON-INS, 4,0-6,0 MM2, M6	50 PC	250	1	50	500	C	39.97	31.21	25.00
PM6-6R-L	RING TERM, NON-INS, 4,0-6,0 MM2, M6	50 PC	250	1	50	500	C	39.97	31.21	25.00
PM6-8R-L	RING TERM, NON-INS, 4,0-6,0 MM2, M8	50 PC	250	1	50	500	C	39.97	31.21	25.00
PM6-P10-L	PIN TERM, NON-INS, 4,0-6,0 MM2	50 PC	250	1	50	500	C	63.03	49.21	39.43
PMNF1-3F-C	FORK TERM, NYLON FUNNEL, 0,5-1,0 MM2, M3	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF1-3R-C	RING TERM, NYLON FUNNEL, 0,5-1,0 MM2, M3	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF1-4F-C	FORK TERM, NYLON FUNNEL, 0,5-1,0 MM2, M4	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF1-4R-C	RING TERM, NYLON FUNNEL, 0,5-1,0 MM2, M4	100 PC	500	1	100	500	C	76.49	59.79	47.76
PMNF1-5F-C	FORK TERM, NYLON FUNNEL, 0,5-1,0 MM2, M5	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF1-5R-C	RING TERM, NYLON FUNNEL, 0,5-1,0 MM2, M5	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF1-6F-C	FORK TERM, NYLON FUNNEL, 0,5-1,0 MM2, M6	100 PC	500	1	100	500	C	81.82	63.96	51.09
PMNF1-6R-C	RING TERM, NYLON FUNNEL, 0,5-1,0 MM2, M6	100 PC	500	1	100	500	C	81.82	63.96	51.09
PMNF2-3F-C	FORK TERM, NYLON FUNNEL, 1,5-2,5 MM2, M3	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF2-3R-C	RING TERM, NYLON FUNNEL, 1,5-2,5 MM2, M3	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF2-4F-C	FORK TERM, NYLON FUNNEL, 1,5-2,5 MM2, M4	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF2-4R-C	RING TERM, NYLON FUNNEL, 1,5-2,5 MM2, M4	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF2-5F-C	FORK TERM, NYLON FUNNEL, 1,5-2,5 MM2, M5	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF2-5R-C	RING TERM, NYLON FUNNEL, 1,5-2,5 MM2, M5	100 PC	500	1	100	500	C	73.15	57.11	45.76
PMNF2-6F-C	FORK TERM, NYLON FUNNEL, 1,5-2,5 MM2, M6	100 PC	500	1	100	500	C	78.25	61.10	48.95
PMNF2-6R-C	RING TERM, NYLON FUNNEL, 1,5-2,5 MM2, M6	100 PC	500	1	100	500	C	78.25	61.10	48.95
PMNF6-3R-L	RING TERM, NYLON FUNNEL, 4,0-6,0 MM2, M3	50 PC	250	1	50	500	C	90.16	70.40	56.40
PMNF6-4F-L	FORK TERM, NYLON FUNNEL, 4,0-6,0 MM2, M4	50 PC	250	1	50	500	C	90.16	70.40	56.40
PMNF6-4R-L	RING TERM, NYLON FUNNEL, 4,0-6,0 MM2, M4	50 PC	250	1	50	500	C	90.16	70.40	56.40
PMNF6-5F-L	FORK TERM, NYLON FUNNEL, 4,0-6,0 MM2, M5	50 PC	250	1	50	500	C	90.16	70.40	56.40

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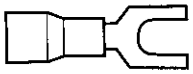
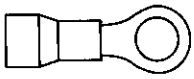
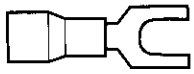


PMNF6-6F
Fork Tongue,
Funnel Entry

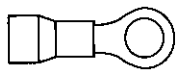


PMV6-3R
Ring Tongue,
Funnel Entry, Butted



PMV1-3FB
Fork Tongue,
Funnel Entry, Butted

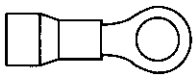
PMV2-P10
Pin Terminal,
Vinyl Insulated



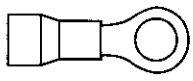
PN10-10RX
Ring Tongue,
Expanded Insulation

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PMNF6-5R-L	RING TERM, NYLON FUNNEL, 4,0-6,0 MM2, M5	50 PC	250	1	50	500	C	$ 90.16	$ 70.40	$ 56.40
PMNF6-6F-L	FORK TERM, NYLON FUNNEL, 4,0-6,0 MM2, M6	50 PC	250	1	50	500	C	94.28	73.69	58.87
PMNF6-6R-L	RING TERM, NYLON FUNNEL, 4,0-6,0 MM2, M6	50 PC	250	1	50	500	C	90.16	70.40	56.40
PMNF6-8R-L	RING TERM, NYLON FUNNEL, 4,0-6,0 MM2, M8	50 PC	250	1	50	500	C	94.28	73.69	58.87
PMV1-3FB-C	FORK TERM, VINYL, 0,5-1,0 MM2, M3	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV1-3RB-C	RING TERM, VINYL, 0,5-1,0 MM2, M3	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV1-4FB-C	FORK TERM, VINYL, 0,5-1,0 MM2, M4	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV1-4RB-C	RING TERM, VINYL, 0,5-1,0 MM2, M4	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV1-5FB-C	FORK TERM, VINYL, 0,5-1,0 MM2, M5	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV1-5RB-C	RING TERM, VINYL, 0,5-1,0 MM2, M5	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV1-6FB-C	FORK TERM, VINYL, 0,5-1,0 MM2, M6	100 PC	500	1	100	500	C	48.71	38.03	30.47
PMV1-6RB-C	RING TERM, VINYL, 0,5-1,0 MM2, M6	100 PC	500	1	100	500	C	50.93	39.81	31.80
PMV1-P10-C	PIN TERM, VINYL 0,5-1,0 MM2	100 PC	500	1	100	500	C	66.01	51.54	41.29
PMV2-3FB-C	FORK TERM, VINYL, 1,5-2,5 MM2, M3	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV2-3RB-C	RING TERM, VINYL, 1,5-2,5 MM2, M3	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV2-4FB-C	FORK TERM, VINYL, 1,5-2,5 MM2, M4	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV2-4RB-C	RING TERM, VINYL, 1,5-2,5 MM2, M4	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV2-5FB-C	FORK TERM, VINYL, 1,5-2,5 MM2, M5	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV2-5RB-C	RING TERM, VINYL, 1,5-2,5 MM2, M5	100 PC	500	1	100	500	C	42.75	33.38	26.74
PMV2-6FB-C	FORK TERM, VINYL, 1,5-2,5 MM2, M6	100 PC	500	1	100	500	C	48.71	38.03	30.47
PMV2-6RB-C	RING TERM, VINYL, 1,5-2,5 MM2, M6	100 PC	500	1	100	500	C	48.71	38.03	30.47
PMV2-P10-C	PIN TERM, VINYL 1,5-2,5 MM2	100 PC	500	1	100	500	C	66.01	51.54	41.29
PMV6-3R-L	RING TERM, VINYL, 4,0-6,0 MM2, M3	50 PC	250	1	50	500	C	58.04	45.32	36.31
PMV6-4F-L	FORK TERM, VINYL, 4,0-6,0 MM2, M4	50 PC	250	1	50	500	C	58.04	45.32	36.31
PMV6-4R-L	RING TERM, VINYL, 4,0-6,0 MM2, M4	50 PC	250	1	50	500	C	58.04	45.32	36.31
PMV6-5F-L	FORK TERM, VINYL, 4,0-6,0 MM2, M5	50 PC	250	1	50	500	C	58.04	45.32	36.31
PMV6-5R-L	RING TERM, VINYL, 4,0-6,0 MM2, M5	50 PC	250	1	50	500	C	58.04	45.32	36.31
PMV6-6F-L	FORK TERM, VINYL, 4,0-6,0 MM2, M6	50 PC	250	1	50	500	C	60.05	46.89	37.57
PMV6-6R-L	RING TERM, VINYL, 4,0-6,0 MM2, M6	50 PC	250	1	50	500	C	60.05	46.89	37.57
PMV6-8R-L	RING TERM, VINYL, 4,0-6,0 MM2, M8	50 PC	250	1	50	500	C	60.05	46.89	37.57
PMV6-P10-L	PIN TERM, VINYL 4,0-6,0 MM2	50 PC	250	1	50	500	C	91.28	71.27	57.10
PN10-5SLF-L	SHRT LOCK FORK TERM,NYLON,12-10 AWG,#5	50 PC	500	1	50	500	C	76.65	59.33	47.78
PN10-6F-L	FORK TERM, NYLON, 12-10 AWG, #6	50 PC	500	1	50	500	C	67.54	52.74	42.25
PN10-6LF-L	LOCK FORK TERM, NYLON, 12-10 AWG, #6	50 PC	500	1	50	500	C	73.44	57.41	45.86
PN10-6R-L	RING TERM, NYLON, 12-10 AWG, #6	50 PC	500	1	50	500	C	69.58	54.33	43.52
PN10-6RX-L	RING TERM, EXP NYLON, 12-10 AWG, #6	50 PC	500	1	50	500	C	104.94	81.23	65.43
PN10-6SLF-L	SHRT LOCK FORK TERM,NYLON,12-10 AWG,#6	50 PC	500	1	50	500	C	76.65	59.33	47.78
PN10-8F-L	FORK TERM, NYLON, 12-10 AWG, #8	50 PC	500	1	50	500	C	70.23	54.84	43.94
PN10-8FF-L	FLANGED FORK TERM, NYLON, 12-10 AWG, #8	50 PC	500	1	50	500	C	93.45	73.05	58.36
PN10-8LF-L	LOCK FORK TERM, NYLON, 12-10 AWG, #8	50 PC	500	1	50	500	C	74.86	58.52	46.75
PN10-8R-L	RING TERM, NYLON, 12-10 AWG, #8	50 PC	500	1	50	500	C	70.23	54.84	43.94
PN10-8RX-L	RING TERM, EXP NYLON, 12-10 AWG, #8	50 PC	500	1	50	500	C	100.55	78.60	62.79
PN10-8SLF-L	SHRT LOCK FORK TERM,NYLON,12-10 AWG,#8	50 PC	500	1	50	500	C	76.65	59.33	47.78
PN10-10F-L	FORK TERM, NYLON, 12-10 AWG, #10	50 PC	500	1	50	500	C	70.23	54.84	43.94
PN10-10FF-L	FLANGED FORK TERM, NYLON, 12-10 AWG, #10	50 PC	500	1	50	500	C	93.45	73.05	58.36
PN10-10LF-L	LOCK FORK TERM, NYLON, 12-10 AWG, #10	50 PC	500	1	50	500	C	74.86	58.52	46.75
PN10-10R-L	RING TERM, NYLON, 12-10 AWG, #10	50 PC	500	1	50	500	C	70.23	54.84	43.94
PN10-10RX-L	RING TERM, EXP NYLON, 12-10 AWG, #10	50 PC	500	1	50	500	C	100.55	78.60	62.79
PN10-10SLF-L	SHRT LOCK FORK TERM,NYLON,12-10 AWG,#10	50 PC	500	1	50	500	C	73.44	57.41	45.86
PN10-14F-L	FORK TERM, NYLON, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	79.37	62.04	49.56
PN10-14LF-L	LOCK FORK TERM, NYLON, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	76.33	59.66	47.66
PN10-14R-L	RING TERM, NYLON, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	75.91	59.27	47.48
PN10-14RX-L	RING TERM, EXP NYLON, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	107.36	83.92	67.04
PN10-14SLF-L	SHRT LOCK FORK TERM,NYLON,12-10 AWG,1/4	50 PC	500	1	50	500	C	82.84	64.12	51.64
PN10-38R-L	RING TERM, NYLON, 12-10 AWG, 3/8	50 PC	500	1	50	500	C	76.33	59.66	47.66

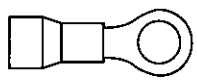
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



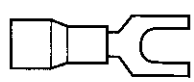
PN10-38RX
Ring Tongue,
Expanded Insulation



PN12-6HDR
Heavy Duty Ring
Tongue



PN12-8HDRX
Heavy Duty Ring,
Expanded Insulation



PN14-6F
Fork Tongue

PN14-8SLF
Short Locking Fork,
Nylon Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PN10-38RX-L	RING TERM, EXP NYLON, 12-10 AWG, 3/8	50 PC	500	1	50	500	C	$ 105.34	$ 82.34	$ 65.78
PN10-56R-L	RING TERM, NYLON, 12-10 AWG, 5/16	50 PC	500	1	50	500	C	76.33	59.66	47.66
PN10-56RX-L	RING TERM, EXP NYLON, 12-10 AWG, 5/16	50 PC	500	1	50	500	C	105.34	82.34	65.78
PN10-610R-L	RING TERM, NYLON, 12-10 AWG, #6-#10	50 PC	500	1	50	500	C	79.37	62.04	49.56
PN12-6HDR-L	HVY DUTY RING TERM, NYLON, 16-12AWG, #6	50 PC	500	1	50	500	C	87.91	68.72	54.90
PN12-8HDR-L	HVY DUTY RING TERM, NYLON, 16-12AWG, #8	50 PC	500	1	50	500	C	87.91	68.72	54.90
PN12-8HDRX-L	HVY DUTY RING TERM,EXP NYL,16-12AWG,#8	50 PC	500	1	50	500	C	113.29	88.55	70.74
PN12-10HDR-L	HVY DUTY RING TERM, NYLON, 16-12AWG, #10	50 PC	500	1	50	500	C	85.44	66.78	53.35
PN12-10HDRX-L	HVY DUTY RING TERM,EXP NYL,16-12AWG,#10	50 PC	500	1	50	500	C	113.29	88.55	70.74
PN12-14HDR-L	HVY DUTY RING TERM, NYLON, 16-12AWG, 1/4	50 PC	500	1	50	500	C	92.81	72.55	57.96
PN12-14HDRX-L	HVY DUTY RING TERM,EXP NYL,16-12AWG,1/4	50 PC	500	1	50	500	C	123.09	96.21	76.86
PN12-38HDR-L	HVY DUTY RING TERM, NYLON, 16-12AWG, 3/8	50 PC	500	1	50	500	C	94.60	73.94	59.07
PN12-38HDRX-L	HVY DUTY RING TERM,EXP NYL,16-12AWG,3/8	50 PC	500	1	50	500	C	123.09	96.21	76.86
PN12-56HDR-L	HVY DUTY RING TERM, NYLON,16-12AWG, 5/16	50 PC	500	1	50	500	C	98.73	76.42	61.55
PN12-56HDRX-L	HVY DUTY RING TERM,EXP NYL,16-12AWG,5/16	50 PC	500	1	50	500	C	123.09	96.21	76.86
PN14-4R-C	RING TERM, NYLON, 16-14 AWG, #4	100 PC	500	1	100	500	C	60.78	47.51	37.95
PN14-4RX-C	RING TERM, EXP NYLON, 16-14 AWG, #4	100 PC	500	1	100	500	C	82.69	64.01	51.55
PN14-5SLF-C	SHRT LOCK FORK TERM,NYLON,16-14 AWG,#5	100 PC	500	1	100	500	C	64.79	50.15	40.39
PN14-6F-C	FORK TERM, NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	58.12	45.38	36.36
PN14-6FF-C	FLANGED FORK TERM, NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	79.37	62.04	49.56
PN14-6FN-C	FORK TERM, NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	57.58	44.96	36.02
PN14-6LF-C	LOCK FORK TERM, NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	60.20	47.06	37.59
PN14-6LFW-C	LOCK FORK TERM, NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	62.83	48.64	39.17
PN14-6R-C	RING TERM, NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	58.12	45.38	36.36
PN14-6RN-C	RING TERM, NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	60.20	47.06	37.59
PN14-6RX-C	RING TERM, EXP NYLON, 16-14 AWG, #6	100 PC	500	1	100	500	C	81.91	63.40	51.06
PN14-6SLF-C	SHRT LOCK FORK TERM,NYLON,16-14 AWG,#6	100 PC	500	1	100	500	C	62.08	48.53	38.77
PN14-8F-C	FORK TERM, NYLON, 16-14 AWG, #8	100 PC	500	1	100	500	C	58.12	45.38	36.36
PN14-8FF-C	FLANGED FORK TERM, NYLON, 16-14 AWG, #8	100 PC	500	1	100	500	C	79.37	62.04	49.56
PN14-8LF-C	LOCK FORK TERM, NYLON, 16-14 AWG, #8	100 PC	500	1	100	500	C	60.78	47.51	37.95
PN14-8R-C	RING TERM, NYLON, 16-14 AWG, #8	100 PC	500	1	100	500	C	58.12	45.38	36.36
PN14-8RX-C	RING TERM, EXP NYLON, 16-14 AWG, #8	100 PC	500	1	100	500	C	74.75	58.43	46.68
PN14-8SLF-C	SHRT LOCK FORK TERM,NYLON,16-14 AWG,#8	100 PC	500	1	100	500	C	62.08	48.53	38.77
PN14-10F-C	FORK TERM, NYLON, 16-14 AWG, #10	100 PC	500	1	100	500	C	58.12	45.38	36.36
PN14-10FF-C	FLANGED FORK TERM, NYLON, 16-14 AWG, #10	100 PC	500	1	100	500	C	79.37	62.04	49.56
PN14-10FN-C	FORK TERM, NYLON, 16-14 AWG, #10	100 PC	500	1	100	500	C	57.58	44.96	36.02
PN14-10LF-C	LOCK FORK TERM, NYLON, 16-14 AWG, #10	100 PC	500	1	100	500	C	60.20	47.06	37.59
PN14-10LFN-C	LOCK FORK TERM, NYLON, 16-14 AWG, #10	100 PC	500	1	100	500	C	60.20	47.06	37.59
PN14-10R-C	RING TERM, NYLON, 16-14 AWG, #10	100 PC	500	1	100	500	C	58.12	45.38	36.36
PN14-10RX-C	RING TERM, EXP NYLON, 16-14 AWG, #10	100 PC	500	1	100	500	C	79.23	61.93	49.48
PN14-10SLF-C	SHRT LOCK FORK TERM,NYLON,16-14 AWG,#10	100 PC	500	1	100	500	C	62.08	48.53	38.77
PN14-14F-C	FORK TERM, NYLON, 16-14 AWG, 1/4	100 PC	500	1	100	500	C	61.45	47.98	38.44
PN14-14R-C	RING TERM, NYLON, 16-14 AWG, 1/4	100 PC	500	1	100	500	C	61.45	47.98	38.44
PN14-14RX-C	RING TERM, EXP NYLON, 16-14 AWG, 1/4	100 PC	500	1	100	500	C	88.48	68.49	55.16
PN14-14SLF-C	SHRT LOCK FORK TERM,NYLON,16-14 AWG,1/4	100 PC	500	1	100	500	C	65.80	50.93	41.02
PN14-38R-L	RING TERM, NYLON, 16-14 AWG, 3/8	50 PC	500	1	50	500	C	64.26	50.23	40.13
PN14-38RX-L	RING TERM, EXP NYLON, 16-14 AWG, 3/8	50 PC	500	1	50	500	C	88.48	68.49	55.16
PN14-56R-C	RING TERM, NYLON, 16-14 AWG, 5/16	100 PC	500	1	100	500	C	64.26	50.23	40.13
PN14-56RX-C	RING TERM, EXP NYLON, 16-14 AWG, 5/16	100 PC	500	1	100	500	C	90.20	69.82	56.23
PN14-610R-C	RING TERM, NYLON, 16-14 AWG, #6-#10	100 PC	500	1	100	500	C	63.04	49.28	39.37
PN18-4R-C	RING TERM, NYLON, 22-18 AWG, #4	100 PC	500	1	100	500	C	60.78	47.51	37.95
PN18-4RN-C	RING TERM, NYLON, 22-18 AWG, #4	100 PC	500	1	100	500	C	62.83	48.64	39.17
PN18-5SLF-C	SHRT LOCK FORK TERM,NYLON,22-18 AWG,#5	100 PC	500	1	100	500	C	64.79	50.15	40.39
PN18-6F-C	FORK TERM, NYLON, 22-18 AWG, #6	100 PC	500	1	100	500	C	57.58	44.96	36.02
PN18-6FF-C	FLANGED FORK TERM, NYLON, 22-18 AWG, #6	100 PC	500	1	100	500	C	73.76	57.66	46.06

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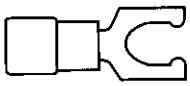
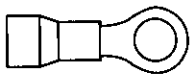
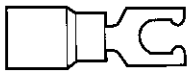


PN18-6LF
Locking Fork,
Nylon Insulated

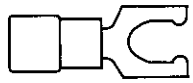


PN18-6RN
Ring Tongue,
Funnel Entry



PN18-8SLF
Short Locking Fork,
Nylon Insulated

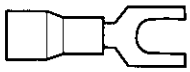
PN18-10FN
Fork Tongue,
Nylon Insulated

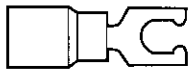


PNF14-6LFW
Locking Fork,
Nylon Funnel Entry

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PN18-6FN-C	FORK TERM, NYLON, 22-18 AWG, #6	100 PC	500	1	100	500	C	$ 58.12	$ 45.38	$ 36.36
PN18-6LF-C	LOCK FORK TERM, NYLON, 22-18 AWG, #6	100 PC	500	1	100	500	C	61.37	47.97	38.32
PN18-6LFW-C	LOCK FORK TERM, NYLON, 22-18 AWG, #6	100 PC	500	1	100	500	C	62.83	48.64	39.17
PN18-6R-C	RING TERM, NYLON, 22-18 AWG, #6	100 PC	500	1	100	500	C	55.91	43.66	34.98
PN18-6RN-C	RING TERM, NYLON, 22-18 AWG, #6	100 PC	500	1	100	500	C	60.20	47.06	37.59
PN18-6SLF-C	SHRT LOCK FORK TERM,NYLON,22-18 AWG,#6	100 PC	500	1	100	500	C	62.08	48.53	38.77
PN18-8F-C	FORK TERM, NYLON, 22-18 AWG, #8	100 PC	500	1	100	500	C	58.12	45.38	36.36
PN18-8FF-C	FLANGED FORK TERM, NYLON, 22-18 AWG, #8	100 PC	500	1	100	500	C	75.94	59.36	47.42
PN18-8LF-C	LOCK FORK TERM, NYLON, 22-18 AWG, #8	100 PC	500	1	100	500	C	61.37	47.97	38.32
PN18-8R-C	RING TERM, NYLON, 22-18 AWG, #8	100 PC	500	1	100	500	C	55.91	43.66	34.98
PN18-8SLF-C	SHRT LOCK FORK TERM,NYLON,22-18 AWG,#8	100 PC	500	1	100	500	C	62.08	48.53	38.77
PN18-10F-C	FORK TERM, NYLON, 22-18 AWG, #10	100 PC	500	1	100	500	C	57.58	44.96	36.02
PN18-10FF-C	FLANGED FORK TERM, NYLON, 22-18 AWG, #10	100 PC	500	1	100	500	C	75.20	58.78	46.96
PN18-10FN-C	FORK TERM, NYLON, 22-18 AWG, #10	100 PC	500	1	100	500	C	57.58	44.96	36.02
PN18-10LF-C	LOCK FORK TERM, NYLON, 22-18 AWG, #10	100 PC	500	1	100	500	C	60.20	47.06	37.59
PN18-10LFN-C	LOCK FORK TERM, NYLON, 22-18 AWG, #10	100 PC	500	1	100	500	C	60.20	47.06	37.59
PN18-10R-C	RING TERM, NYLON, 22-18 AWG, #10	100 PC	500	1	100	500	C	57.58	44.96	36.02
PN18-10SLF-C	SHRT LOCK FORK TERM,NYLON,22-18 AWG,#10	100 PC	500	1	100	500	C	62.08	48.53	38.77
PN18-14F-C	FORK TERM, NYLON, 22-18 AWG, 1/4	100 PC	500	1	100	500	C	63.04	49.28	39.37
PN18-14R-C	RING TERM, NYLON, 22-18 AWG, 1/4	100 PC	500	1	100	500	C	63.04	49.28	39.37
PN18-38R-C	RING TERM, NYLON, 22-18 AWG, 3/8	100 PC	500	1	100	500	C	64.26	50.23	40.13
PN18-56R-C	RING TERM, NYLON, 22-18 AWG, 5/16	100 PC	500	1	100	500	C	64.26	50.23	40.13
PN18-610R-C	RING TERM, NYLON, 22-18 AWG, #6-#10	100 PC	500	1	100	500	C	63.04	49.28	39.37
PN22-2F-C	FORK TERM, NYLON, 26-22 AWG, #2	100 PC	1000	1	100	1000	C	63.14	49.35	39.43
PN22-2R-C	RING TERM, NYLON, 26-22 AWG, #2	100 PC	1000	1	100	1000	C	63.14	49.35	39.43
PN22-4F-C	FORK TERM, NYLON, 26-22 AWG, #4	100 PC	1000	1	100	1000	C	63.14	49.35	39.43
PN22-4R-C	RING TERM, NYLON, 26-22 AWG, #4	100 PC	1000	1	100	1000	C	63.14	49.35	39.43
PN22-6F-C	FORK TERM, NYLON, 26-22 AWG, #6	100 PC	1000	1	100	1000	C	63.14	49.35	39.43
PN22-6R-C	RING TERM, NYLON, 26-22 AWG, #6	100 PC	1000	1	100	1000	C	63.75	49.83	39.81
PN22-8R-C	RING TERM, NYLON, 26-22 AWG, #8	100 PC	1000	1	100	1000	C	63.14	49.35	39.43
PN22-10R-C	RING TERM, NYLON, 26-22 AWG, #10	100 PC	1000	1	100	1000	C	66.54	51.50	41.48
PNF10-6F-L	FORK TERM, NYLON FUNNEL, 12-10 AWG, #6	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-6LF-L	LOCK FORK TERM,NYLON FUNNEL,12-10 AWG,#6	50 PC	500	1	50	500	C	95.22	74.43	59.46
PNF10-6R-L	RING TERM, NYLON FUNNEL, 12-10 AWG, #6	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-6SLF-L	SHRT LOCK FORK TERM,NYL FNL,12-10AWG,#6	50 PC	500	1	50	500	C	99.38	76.92	61.95
PNF10-8F-L	FORK TERM, NYLON FUNNEL, 12-10 AWG, #8	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-8LF-L	LOCK FORK TERM,NYLON FUNNEL,12-10 AWG,#8	50 PC	500	1	50	500	C	95.22	74.43	59.46
PNF10-8R-L	RING TERM, NYLON FUNNEL, 12-10 AWG, #8	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-8SLF-L	SHRT LOCK FORK TERM,NYL FNL,12-10AWG,#8	50 PC	500	1	50	500	C	99.38	76.92	61.95
PNF10-10F-L	FORK TERM, NYLON FUNNEL, 12-10 AWG, #10	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-10LF-L	LOCK FORK TERM,NYLON FUNNEL,12-10 AWG,#10	50 PC	500	1	50	500	C	95.22	74.43	59.46
PNF10-10R-L	RING TERM, NYLON FUNNEL, 12-10 AWG, #10	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-10SLF-L	SHRT LOCK FORK TERM,NYL FNL,12-10 AWG,#10	50 PC	500	1	50	500	C	95.22	74.43	59.46
PNF10-14F-L	FORK TERM, NYLON FUNNEL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-14LF-L	LOCK FORK TERM,NYLON FUNNEL,12-10 AWG,1/4	50 PC	500	1	50	500	C	95.22	74.43	59.46
PNF10-14R-L	RING TERM, NYLON FUNNEL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-14SLF-L	SHRT LOCK FORK TERM,NYL FNL,12-10 AWG,1/4	50 PC	500	1	50	500	C	99.38	76.92	61.95
PNF10-38R-L	RING TERM, NYLON FUNNEL, 12-10 AWG, 3/8	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF10-56R-L	RING TERM, NYLON FUNNEL, 12-10 AWG, 5/16	50 PC	500	1	50	500	C	91.06	71.10	56.96
PNF14-4R-C	RING TERM, NYLON FUNNEL, 16-14 AWG, #4	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF14-5SLF-C	SHRT LOCK FORK TERM,NYL FNL,16-14AWG,#5	100 PC	500	1	100	1000	C	85.49	66.17	53.30
PNF14-6F-C	FORK TERM, NYLON FUNNEL, 16-14 AWG, #6	100 PC	500	1	100	1000	C	73.87	57.68	46.21
PNF14-6LF-C	LOCK FORK TERM,NYLON FUNNEL,16-14 AWG,#6	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF14-6LFW-C	LOCK FORK TERM,NYLON FUNNEL,16-14 AWG,#6	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF14-6R-C	RING TERM, NYLON FUNNEL, 16-14 AWG, #6	100 PC	500	1	100	1000	C	77.24	60.38	48.23

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.


PNF14-8F
Fork Tongue,
Funnel Entry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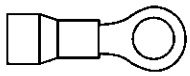
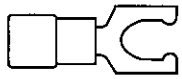
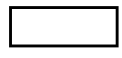
Short Locking Fork,
Nylon Funnel Entry


PNF14-38R
Ring Tongue,
Nylon Funnel Entry


PNF18-6LFW
Locking Fork,
Nylon Funnel Entry


PS12
Parallel Splice,
Non-Insulated

PSN12
Parallel Splice,
Nylon Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities Qty 1	Qty 2	Qty 3	Price UOM	Suggested Trade Prices Price 1	Price 2	Price 3
PNF14-6RN-C	RING TERM, NYLON FUNNEL, 16-14 AWG, #6	100 PC	500	1	100	1000	C	$ 77.24	$ 60.38	$ 48.23
PNF14-6SLF-C	SHRT LOCK FORK TERM,NYL FNL,16-14AWG,#6	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF14-8F-C	FORK TERM, NYLON FUNNEL, 16-14 AWG, #8	100 PC	500	1	100	1000	C	73.87	57.68	46.21
PNF14-8LF-C	LOCK FORK TERM,NYLON FUNNEL,16-14 AWG,#8	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF14-8R-C	RING TERM, NYLON FUNNEL, 16-14 AWG, #8	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF14-8SLF-C	SHRT LOCK FORK TERM,NYL FNL,16-14AWG,#8	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF14-10F-C	FORK TERM, NYLON FUNNEL, 16-14 AWG, #10	100 PC	500	1	100	1000	C	73.87	57.68	46.21
PNF14-10LF-C	LOCK FORK TERM,NYLON FUNNEL,16-14 AWG,#10	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF14-10R-C	RING TERM, NYLON FUNNEL, 16-14 AWG, #10	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF14-10SLF-C	SHRT LOCK FORK TERM,NYL FNL,16-14 AWG,#10	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF14-14F-C	FORK TERM, NYLON FUNNEL, 16-14 AWG, 1/4	100 PC	500	1	100	1000	C	79.02	61.70	49.43
PNF14-14R-C	RING TERM, NYLON FUNNEL, 16-14 AWG, 1/4	100 PC	500	1	100	1000	C	82.62	64.58	51.59
PNF14-14SLF-C	SHRT LOCK FORK TERM,NYL FNL,16-14 AWG,1/4	100 PC	500	1	100	1000	C	86.23	66.75	53.76
PNF14-38R-L	RING TERM, NYLON FUNNEL, 16-14 AWG, 3/8	50 PC	500	1	100	1000	C	82.62	64.58	51.59
PNF14-56R-C	RING TERM, NYLON FUNNEL, 16-14 AWG, 5/16	100 PC	500	1	100	1000	C	82.62	64.58	51.59
PNF18-4R-C	RING TERM, NYLON FUNNEL, 22-18 AWG, #4	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF18-5SLF-C	SHRT LOCK FORK TERM,NYL FNL,22-18AWG,#5	100 PC	500	1	100	1000	C	85.49	66.17	53.30
PNF18-6F-C	FORK TERM, NYLON FUNNEL, 22-18 AWG, #6	100 PC	500	1	100	1000	C	73.87	57.68	46.21
PNF18-6LF-C	LOCK FORK TERM,NYLON FUNNEL,22-18 AWG,#6	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF18-6LFW-C	LOCK FORK TERM,NYLON FUNNEL,22-18 AWG,#6	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF18-6R-C	RING TERM, NYLON FUNNEL, 22-18 AWG, #6	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF18-6RN-C	RING TERM, NYLON FUNNEL, 22-18 AWG, #6	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF18-6SLF-C	SHRT LOCK FORK TERM,NYL FNL,22-18AWG,#6	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF18-8F-C	FORK TERM, NYLON FUNNEL, 22-18 AWG, #8	100 PC	500	1	100	1000	C	73.87	57.68	46.21
PNF18-8LF-C	LOCK FORK TERM,NYLON FUNNEL,22-18 AWG,#8	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF18-8R-C	RING TERM, NYLON FUNNEL, 22-18 AWG, #8	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF18-8SLF-C	SHRT LOCK FORK TERM,NYL FNL,22-18AWG,#8	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF18-10F-C	FORK TERM, NYLON FUNNEL, 22-18 AWG, #10	100 PC	500	1	100	1000	C	73.87	57.68	46.21
PNF18-10LF-C	LOCK FORK TERM,NYLON FUNNEL,22-18 AWG,#10	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF18-10R-C	RING TERM, NYLON FUNNEL, 22-18 AWG, #10	100 PC	500	1	100	1000	C	77.24	60.38	48.23
PNF18-10SLF-C	SHRT LOCK FORK TERM,NYL FNL,22-18 AWG,#10	100 PC	500	1	100	1000	C	81.91	64.03	51.15
PNF18-14F-C	FORK TERM, NYLON FUNNEL, 22-18 AWG, 1/4	100 PC	500	1	100	1000	C	79.02	61.70	49.43
PNF18-14R-C	RING TERM, NYLON FUNNEL, 22-18 AWG, 1/4	100 PC	500	1	100	1000	C	82.62	64.58	51.59
PNF18-38R-C	RING TERM, NYLON FUNNEL, 22-18 AWG, 3/8	100 PC	500	1	100	1000	C	82.62	64.58	51.59
PNF18-56R-C	RING TERM, NYLON FUNNEL, 22-18 AWG, 5/16	100 PC	500	1	100	1000	C	82.62	64.58	51.59
PQS1	PCONN QUICK SPIN TOOL FOR P1 & P2	1 PC		1			PC	1.68		
PQS2	PCONN QUICK SPIN TOOL FOR P72 & 73	1 PC		1			PC	1.68		
PQS3	PCONN QUICK SPIN TOOL FOR P74 & 76	1 PC		1			PC	1.68		
PQS4	PCONN QUICK SPIN TOOL FOR PF1 & PF2	1 PC		1			PC	1.68		
PS12-L	PARALLEL SPLICE, NON-INS, 14-12 AWG	50 PC	500	1	50	500	C	36.20	28.30	22.61
PS16-C	PARALLEL SPLICE, NON-INS, 20-16 AWG	100 PC	500	1	100	500	C	26.93	21.05	16.82
PS18-C	PARALLEL SPLICE, NON-INS, 22-18 AWG	100 PC	500	1	100	500	C	26.06	20.37	16.27
PSN12-L	PARALLEL SPLICE, NYLON INS, 14-12 AWG	50 PC	500	1	50	500	C	64.88	50.71	40.51
PSN16-C	PARALLEL SPLICE, NYLON INS, 20-16 AWG	100 PC	500	1	100	500	C	44.24	34.58	27.63
PSN18-C	PARALLEL SPLICE, NYLON INS, 22-18 AWG	100 PC	500	1	100	500	C	41.68	32.58	26.03
PT10-6R-L	RING TERM, TEFZEL, 12-10 AWG, #6	50 PC	500	1	50	500	C	108.10	83.68	67.39
PT10-8R-L	RING TERM, TEFZEL, 12-10 AWG, #8	50 PC	500	1	50	500	C	108.10	83.68	67.39
PT10-10R-L	RING TERM, TEFZEL, 12-10 AWG, #10	50 PC	500	1	50	500	C	108.10	83.68	67.39
PT10-14R-L	RING TERM, TEFZEL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	116.94	90.52	72.91
PT10-38R-L	RING TERM, TEFZEL, 12-10 AWG, 3/8	50 PC	500	1	50	500	C	116.94	90.52	72.91
PT10-56R-L	RING TERM, TEFZEL, 12-10 AWG, 5/16	50 PC	500	1	50	500	C	116.94	90.52	72.91
PT14-4R-C	RING TERM, TEFZEL, 16-14 AWG, #4	100 PC	500	1	100	500	C	88.88	68.80	55.41
PT14-6R-C	RING TERM, TEFZEL, 16-14 AWG, #6	100 PC	500	1	100	500	C	88.88	68.80	55.41
PT14-8R-C	RING TERM, TEFZEL, 16-14 AWG, #8	100 PC	500	1	100	500	C	88.88	68.80	55.41
PT14-10R-C	RING TERM, TEFZEL, 16-14 AWG, #10	100 PC	500	1	100	500	C	88.88	68.80	55.41

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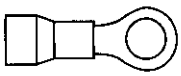
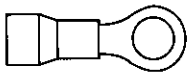

PT18-6R
Ring Tongue,
TEFZEL® Insulated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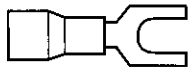
Ring Terminal,
Vinyl Insulated

PV10-5SLF
Short Locking Fork,
Vinyl Insulated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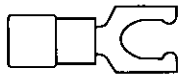
Fork Terminal,
Vinyl Insulated


PV10-6LF
Locking Fork,
Vinyl Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PT14-14R-C	RING TERM, TEFZEL, 16-14 AWG, 1/4	100 PC	500	1	100	500	C	$ 96.72	$ 74.87	$ 60.30
PT14-38R-C	RING TERM, TEFZEL, 16-14 AWG, 3/8	100 PC	500	1	100	500	C	96.72	74.87	60.30
PT14-56R-C	RING TERM, TEFZEL, 16-14 AWG, 5/16	100 PC	500	1	100	500	C	96.72	74.87	60.30
PT18-4R-C	RING TERM, TEFZEL, 22-18 AWG, #4	100 PC	500	1	100	500	C	88.88	68.80	55.41
PT18-6R-C	RING TERM, TEFZEL, 22-18 AWG, #6	100 PC	500	1	100	500	C	88.88	68.80	55.41
PT18-8R-C	RING TERM, TEFZEL, 22-18 AWG, #8	100 PC	500	1	100	500	C	88.88	68.80	55.41
PT18-10R-C	RING TERM, TEFZEL, 22-18 AWG, #10	100 PC	500	1	100	500	C	88.88	68.80	55.41
PT18-14R-C	RING TERM, TEFZEL, 22-18 AWG, 1/4	100 PC	500	1	100	500	C	96.72	74.87	60.30
PV2-10R-X	RING TERM, VINYL, 2 AWG, #10	10 PC	100	1	10	100	C	269.78	208.83	168.19
PV2-10RX-X	RING TERM, EXP VINYL, 2 AWG, #10	10 PC	100	1	10	100	C	283.29	219.28	176.61
PV2-12R-X	RING TERM, VINYL, 2 AWG, 1/2	10 PC	100	1	10	100	C	292.70	226.57	182.48
PV2-12RX-X	RING TERM, EXP VINYL, 2 AWG, 1/2	10 PC	100	1	10	100	C	307.35	237.91	191.61
PV2-14R-X	RING TERM, VINYL, 2 AWG, 1/4	10 PC	100	1	10	100	C	269.78	208.83	168.19
PV2-14RX-X	RING TERM, EXP VINYL, 2 AWG, 1/4	10 PC	100	1	10	100	C	283.29	219.28	176.61
PV2-38R-X	RING TERM, VINYL, 2 AWG, 3/8	10 PC	100	1	10	100	C	269.78	208.83	168.19
PV2-38RX-X	RING TERM, EXP VINYL, 2 AWG, 3/8	10 PC	100	1	10	100	C	271.43	212.17	169.50
PV2-56R-X	RING TERM, VINYL, 2 AWG, 5/16	10 PC	100	1	10	100	C	269.78	208.83	168.19
PV2-56RX-X	RING TERM, EXP VINYL, 2 AWG, 5/16	10 PC	100	1	10	100	C	283.29	219.28	176.61
PV4-10R-E	RING TERM, VINYL, 4 AWG, #10	20 PC	200	1	20	200	C	218.90	171.11	136.69
PV4-10RX-E	RING TERM, EXP VINYL, 4 AWG, #10	20 PC	200	1	20	200	C	241.06	186.59	150.28
PV4-12R-E	RING TERM, VINYL, 4 AWG, 1/2	20 PC	200	1	20	200	C	231.02	180.58	144.26
PV4-12RX-E	RING TERM, EXP VINYL, 4 AWG, 1/2	20 PC	200	1	20	200	C	253.15	195.95	157.82
PV4-14R-E	RING TERM, VINYL, 4 AWG, 1/4	20 PC	200	1	20	200	C	218.90	171.11	136.69
PV4-14RX-E	RING TERM, EXP VINYL, 4 AWG, 1/4	20 PC	200	1	20	200	C	241.06	186.59	150.28
PV4-38R-E	RING TERM, VINYL, 4 AWG, 3/8	20 PC	200	1	20	200	C	218.90	171.11	136.69
PV4-38RX-E	RING TERM, EXP VINYL, 4 AWG, 3/8	20 PC	200	1	20	200	C	241.06	186.59	150.28
PV4-56R-E	RING TERM, VINYL, 4 AWG, 5/16	20 PC	200	1	20	200	C	218.90	171.11	136.69
PV4-56RX-E	RING TERM, EXP VINYL, 4 AWG, 5/16	20 PC	200	1	20	200	C	241.06	186.59	150.28
PV6-8R-E	RING TERM, VINYL, 6 AWG, #8	20 PC	200	1	20	200	C	190.78	149.12	119.13
PV6-8RX-E	RING TERM, EXP VINYL, 6 AWG, #8	20 PC	200	1	20	200	C	209.03	161.80	130.32
PV6-10R-E	RING TERM, VINYL, 6 AWG, #10	20 PC	200	1	20	200	C	191.72	149.86	119.72
PV6-10RX-E	RING TERM, EXP VINYL, 6 AWG, #10	20 PC	200	1	20	200	C	209.03	161.80	130.32
PV6-12R-E	RING TERM, VINYL, 6 AWG, 1/2	20 PC	200	1	20	200	C	201.27	157.32	125.68
PV6-12RX-E	RING TERM, EXP VINYL, 6 AWG, 1/2	20 PC	200	1	20	200	C	219.52	169.92	136.86
PV6-14R-E	RING TERM, VINYL, 6 AWG, 1/4	20 PC	200	1	20	200	C	191.72	149.86	119.72
PV6-14RX-E	RING TERM, EXP VINYL, 6 AWG, 1/4	20 PC	200	1	20	200	C	209.03	161.80	130.32
PV6-38R-E	RING TERM, VINYL, 6 AWG, 3/8	20 PC	200	1	20	200	C	191.72	149.86	119.72
PV6-38RX-E	RING TERM, EXP VINYL, 6 AWG, 3/8	20 PC	200	1	20	200	C	209.03	161.80	130.32
PV6-56R-E	RING TERM, VINYL, 6 AWG, 5/16	20 PC	200	1	20	200	C	191.72	149.86	119.72
PV6-56RX-E	RING TERM, EXP VINYL, 6 AWG, 5/16	20 PC	200	1	20	200	C	209.03	161.80	130.32
PV8-8R-Q	RING TERM, VINYL, 8 AWG, #8	25 PC	250	1	25	250	C	141.91	110.93	88.62
PV8-8RX-Q	RING TERM, EXP VINYL, 8 AWG, #8	25 PC	250	1	25	250	C	161.78	125.23	100.86
PV8-10R-Q	RING TERM, VINYL, 8 AWG, #10	25 PC	250	1	25	250	C	141.91	110.93	88.62
PV8-10RX-Q	RING TERM, EXP VINYL, 8 AWG, #10	25 PC	250	1	25	250	C	161.78	125.23	100.86
PV8-12R-Q	RING TERM, VINYL, 8 AWG, 1/2	25 PC	250	1	25	250	C	151.94	118.77	94.88
PV8-12RX-Q	RING TERM, EXP VINYL, 8 AWG, 1/2	25 PC	250	1	25	250	C	169.69	131.35	105.79
PV8-14R-Q	RING TERM, VINYL, 8 AWG, 1/4	25 PC	250	1	25	250	C	148.11	114.64	92.34
PV8-14RX-Q	RING TERM, EXP VINYL, 8 AWG, 1/4	25 PC	250	1	25	250	C	155.01	121.17	96.80
PV8-38R-Q	RING TERM, VINYL, 8 AWG, 3/8	25 PC	250	1	25	250	C	141.91	110.93	88.62
PV8-38RX-Q	RING TERM, EXP VINYL, 8 AWG, 3/8	25 PC	250	1	25	250	C	161.78	125.23	100.86
PV8-56R-Q	RING TERM, VINYL, 8 AWG, 5/16	25 PC	250	1	25	250	C	141.91	110.93	88.62
PV8-56RX-Q	RING TERM, EXP VINYL, 8 AWG, 5/16	25 PC	250	1	25	250	C	161.78	125.23	100.86
PV10-5SLF-L	SHRT LOCK FORK TERM, VINYL,12-10 AWG,#5	50 PC	500	1	50	500	C	60.09	46.97	37.52
PV10-6F-L	FORK TERM, VINYL, 12-10 AWG, #6	50 PC	500	1	50	500	C	49.89	38.95	31.21
PV10-6LF-L	LOCK FORK TERM, VINYL, 12-10 AWG, #6	50 PC	500	1	50	500	C	59.08	46.18	36.89

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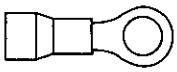
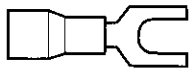
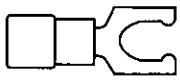
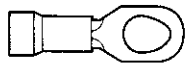

PV10-6R
Ring Terminal,
Vinyl Insulated


PV10-8F
Fork Terminal,
Vinyl Insulated


PV10-8LF
Locking Fork,
Vinyl Insulated

PV10-8SLF
Short Locking Fork,
Vinyl Insulated


PV10-610R
Multi-Stud Ring,
Vinyl Insulated

PV10-P55
Pin Terminal,
Vinyl Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PV10-6LFX-L	LOCK FORK TERM, EXP VINYL, 12-10 AWG,#6	50 PC	500	1	50	500	C	$ 61.01	$ 47.69	$ 38.10
PV10-6R-L	RING TERM, VINYL, 12-10 AWG, #6	50 PC	500	1	50	500	C	50.83	39.69	31.80
PV10-6RX-L	RING TERM, EXP VINYL, 12-10 AWG, #6	50 PC	500	1	50	500	C	58.72	45.90	36.67
PV10-6SLF-L	SHRT LOCK FORK TERM, VINYL,12-10 AWG,#6	50 PC	500	1	50	500	C	60.09	46.97	37.52
PV10-8F-L	FORK TERM, VINYL, 12-10 AWG, #8	50 PC	500	1	50	500	C	50.83	39.69	31.80
PV10-8F-Q	FORK TERM, VINYL, 12-10 AWG, #8	25 PC	250	1	25	250	C	53.92	42.10	33.73
PV10-8F-X	FORK TERM, VINYL, 12-10 AWG, #8	10 PC	100	10			C	55.32		
PV10-8FF-L	FLANGED FORK TERM, VINYL, 12-10 AWG, #8	50 PC	500	1	50	500	C	60.57	47.35	37.82
PV10-8FX-L	FORK TERM, EXP VINYL, 12-10 AWG, #8	50 PC	500	1	50	500	C	62.20	48.62	38.84
PV10-8LF-L	LOCK FORK TERM, VINYL, 12-10 AWG, #8	50 PC	500	1	50	500	C	56.50	44.12	35.35
PV10-8LF-Q	LOCK FORK TERM, VINYL, 12-10 AWG, #8	25 PC	250	1	25	250	C	60.95	47.59	38.13
PV10-8LF-X	LOCK FORK TERM, VINYL, 12-10 AWG, #8	10 PC	100	10			C	65.10		
PV10-8LFX-L	LOCK FORK TERM, EXP VINYL, 12-10 AWG,#8	50 PC	500	1	50	500	C	62.20	48.62	38.84
PV10-8R-L	RING TERM, VINYL, 12-10 AWG, #8	50 PC	500	1	50	500	C	50.83	39.69	31.80
PV10-8R-X	RING TERM, VINYL, 12-10 AWG, #8	10 PC	100	10			C	55.32		
PV10-8RX-L	RING TERM, EXP VINYL, 12-10 AWG, #8	50 PC	500	1	50	500	C	58.72	45.90	36.67
PV10-8SLF-L	SHRT LOCK FORK TERM, VINYL,12-10 AWG,#8	50 PC	500	1	50	500	C	60.09	46.97	37.52
PV10-10F-L	FORK TERM, VINYL, 12-10 AWG, #10	50 PC	500	1	50	500	C	51.33	40.08	32.11
PV10-10F-Q	FORK TERM, VINYL, 12-10 AWG, #10	25 PC	250	1	25	250	C	52.91	41.31	33.10
PV10-10F-X	FORK TERM, VINYL, 12-10 AWG, #10	10 PC	100	10			C	55.32		
PV10-10FF-L	FLANGED FORK TERM, VINYL, 12-10 AWG, #10	50 PC	500	1	50	500	C	60.57	47.35	37.82
PV10-10FX-L	FORK TERM, EXP VINYL, 12-10 AWG, #10	50 PC	500	1	50	500	C	61.01	47.69	38.10
PV10-10LF-L	LOCK FORK TERM, VINYL, 12-10 AWG, #10	50 PC	500	1	50	500	C	60.09	46.97	37.52
PV10-10LF-Q	LOCK FORK TERM, VINYL, 12-10 AWG, #10	25 PC	250	1	25	250	C	60.95	47.59	38.13
PV10-10LF-X	LOCK FORK TERM, VINYL, 12-10 AWG, #10	10 PC	100	10			C	65.10		
PV10-10LFX-L	LOCK FORK TERM, EXP VINYL, 12-10 AWG,#10	50 PC	500	1	50	500	C	61.01	47.69	38.10
PV10-10R-L	RING TERM, VINYL, 12-10 AWG, #10	50 PC	500	1	50	500	C	49.89	38.95	31.21
PV10-10R-Q	RING TERM, VINYL, 12-10 AWG, #10	25 PC	250	1	25	250	C	52.91	41.31	33.10
PV10-10R-X	RING TERM, VINYL, 12-10 AWG, #10	10 PC	100	10			C	55.32		
PV10-10RX-L	RING TERM, EXP VINYL, 12-10 AWG, #10	50 PC	500	1	50	500	C	57.62	45.04	35.98
PV10-10SLF-L	SHRT LOCK FORK TERM, VINYL,12-10 AWG,#10	50 PC	500	1	50	500	C	60.09	46.97	37.52
PV10-14F-L	FORK TERM, VINYL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	59.46	46.43	37.20
PV10-14F-X	FORK TERM, VINYL, 12-10 AWG, 1/4	10 PC	100	10			C	67.56		
PV10-14FX-L	FORK TERM, EXP VINYL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	78.43	61.31	48.98
PV10-14LF-L	LOCK FORK TERM, VINYL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	70.90	55.42	44.27
PV10-14LF-X	LOCK FORK TERM, VINYL, 12-10 AWG, 1/4	10 PC	100	10			C	77.28		
PV10-14LFX-L	LOCK FORK TERM, EXP VINYL, 12-10 AWG,1/4	50 PC	500	1	50	500	C	81.86	63.36	51.03
PV10-14R-L	RING TERM, VINYL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	61.19	47.78	38.28
PV10-14R-Q	RING TERM, VINYL, 12-10 AWG, 1/4	25 PC	250	1	25	250	C	64.25	50.17	40.20
PV10-14R-X	RING TERM, VINYL, 12-10 AWG, 1/4	10 PC	100	10			C	55.02		
PV10-14RX-L	RING TERM, EXP VINYL, 12-10 AWG, 1/4	50 PC	500	1	50	500	C	72.36	56.56	45.19
PV10-14SLF-L	SHRT LOCK FORK TERM, VINYL,12-10 AWG,1/4	50 PC	500	1	50	500	C	62.17	48.60	38.82
PV10-38R-L	RING TERM, VINYL, 12-10 AWG, 3/8	50 PC	500	1	50	500	C	60.05	46.89	37.57
PV10-38RX-L	RING TERM, EXP VINYL, 12-10 AWG, 3/8	50 PC	500	1	50	500	C	70.97	55.47	44.32
PV10-56R-L	RING TERM, VINYL, 12-10 AWG, 5/16	50 PC	500	1	50	500	C	63.39	49.55	39.58
PV10-56RX-L	RING TERM, EXP VINYL, 12-10 AWG, 5/16	50 PC	500	1	50	500	C	73.74	57.64	46.05
PV10-610R-L	RING TERM, VINYL, 12-10 AWG, #6-#10	50 PC	500	1	50	500	C	56.29	44.00	35.15
PV10-P55-L	PIN TERM, VINYL, 12-10 AWG	50 PC	500	1	50	500	C	94.53	73.89	59.03
PV12-6HDR-L	HVY DUTY RING TERM, VINYL, 16-12AWG, #6	50 PC	500	1	50	500	C	71.96	55.70	44.86
PV12-6HDRX-L	HVY DUTY RING TERM,EXP VINL,16-12AWG,#6	50 PC	500	1	50	500	C	71.70	56.04	44.77
PV12-8HDR-L	HVY DUTY RING TERM, VINYL, 16-12AWG, #8	50 PC	500	1	50	500	C	71.96	55.70	44.86
PV12-8HDRX-L	HVY DUTY RING TERM,EXP VINL,16-12AWG,#8	50 PC	500	1	50	500	C	71.70	56.04	44.77
PV12-10HDR-L	HVY DUTY RING TERM, VINYL, 16-12AWG, #10	50 PC	500	1	50	500	C	68.95	53.90	43.06
PV12-10HDRX-L	HVY DUTY RING TERM,EXP VINL,16-12AWG,#10	50 PC	500	1	50	500	C	71.70	56.04	44.77
PV12-14HDR-L	HVY DUTY RING TERM, VINYL, 16-12AWG, 1/4	50 PC	500	1	50	500	C	83.00	64.25	51.75

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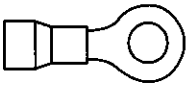
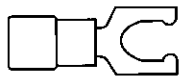


PV12-38HDR
Heavy Duty Ring,
Vinyl Insulated

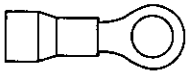
PV14-5SLF
Short Locking Fork,
Vinyl Insulated



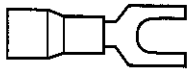
PV14-6LF
Locking Fork,
Vinyl Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities Qty 1	Qty 2	Qty 3	Price UOM	Suggested Trade Prices Price 1	Price 2	Price 3
PV12-14HDRX-L	HVY DUTY RING TERM,EXP VINL,16-12AWG,1/4	50 PC	500	1	50	500	C	$ 82.71	$ 64.65	$ 51.65
PV12-38HDR-L	HVY DUTY RING TERM, VINYL, 16-12AWG, 3/8	50 PC	500	1	50	500	C	83.84	64.90	52.27
PV12-38HDRX-L	HVY DUTY RING TERM,EXP VINL,16-12AWG,3/8	50 PC	500	1	50	500	C	82.71	64.65	51.65
PV12-56HDR-L	HVY DUTY RING TERM, VINYL,16-12AWG, 5/16	50 PC	500	1	50	500	C	87.16	67.47	54.34
PV12-56HDRX-L	HVY DUTY RING TERM,EXP VIN,16-12AWG,5/16	50 PC	500	1	50	500	C	82.71	64.65	51.65
PV14-4R-C	RING TERM, VINYL, 16-14 AWG, #4	100 PC	500	1	100	500	C	40.05	31.31	25.01
PV14-4RX-C	RING TERM, EXP VINYL, 16-14 AWG, #4	100 PC	500	1	100	500	C	52.68	40.77	32.84
PV14-5SLF-C	SHRT LOCK FORK TERM, VINYL,16-14 AWG,#5	100 PC	1000	1	100	1000	C	42.31	33.04	26.47
PV14-6F-C	FORK TERM, VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV14-6F-L	FORK TERM, VINYL, 16-14 AWG, #6	50 PC	500	1	50	500	C	41.79	32.63	26.14
PV14-6F-X	FORK TERM, VINYL, 16-14 AWG, #6	10 PC	100	10			C	51.51		
PV14-6FF-C	FLANGED FORK TERM, VINYL, 16-14 AWG, #6	100 PC	500	1	100	1000	C	47.95	37.48	29.94
PV14-6FN-C	FORK TERM, VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV14-6FX-C	FORK TERM, EXP VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	53.49	41.81	33.40
PV14-6LF-C	LOCK FORK TERM, VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	44.00	34.35	27.52
PV14-6LF-L	LOCK FORK TERM, VINYL, 16-14 AWG, #6	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV14-6LF-X	LOCK FORK TERM, VINYL, 16-14 AWG, #6	10 PC	100	10			C	51.51		
PV14-6LFW-C	LOCK FORK TERM, VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	46.17	35.74	28.79
PV14-6LFX-C	LOCK FORK TERM, EXP VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	47.29	36.96	29.53
PV14-6R-C	RING TERM, VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV14-6R-L	RING TERM, VINYL, 16-14 AWG, #6	50 PC	500	1	50	500	C	41.79	32.63	26.14
PV14-6R-X	RING TERM, VINYL, 16-14 AWG, #6	10 PC	100	10			C	51.51		
PV14-6RN-C	RING TERM, VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	41.63	32.54	26.00
PV14-6RX-C	RING TERM, EXP VINYL, 16-14 AWG, #6	100 PC	500	1	100	500	C	46.83	36.61	29.24
PV14-6SLF-C	SHRT LOCK FORK TERM, VINYL,16-14 AWG,#6	100 PC	1000	1	100	1000	C	42.31	33.04	26.47
PV14-8F-C	FORK TERM, VINYL, 16-14 AWG, #8	100 PC	500	1	100	500	C	40.58	31.69	25.39
PV14-8F-L	FORK TERM, VINYL, 16-14 AWG, #8	50 PC	500	1	50	500	C	41.79	32.63	26.14
PV14-8F-X	FORK TERM, VINYL, 16-14 AWG, #8	10 PC	100	10			C	51.51		
PV14-8FF-C	FLANGED FORK TERM, VINYL, 16-14 AWG, #8	100 PC	500	1	100	1000	C	49.88	38.99	31.15
PV14-8FX-C	FORK TERM, EXP VINYL, 16-14 AWG, #8	100 PC	500	1	100	500	C	50.20	39.24	31.35
PV14-8LF-C	LOCK FORK TERM, VINYL, 16-14 AWG, #8	100 PC	500	1	100	500	C	44.00	34.35	27.52
PV14-8LF-L	LOCK FORK TERM, VINYL, 16-14 AWG, #8	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV14-8LF-X	LOCK FORK TERM, VINYL, 16-14 AWG, #8	10 PC	100	10			C	51.51		
PV14-8LFX-C	LOCK FORK TERM, EXP VINYL, 16-14 AWG, #8	100 PC	500	1	100	500	C	51.16	39.99	31.95
PV14-8R-C	RING TERM, VINYL, 16-14 AWG, #8	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV14-8R-L	RING TERM, VINYL, 16-14 AWG, #8	50 PC	500	1	50	500	C	41.79	32.63	26.14
PV14-8R-X	RING TERM, VINYL, 16-14 AWG, #8	10 PC	100	10			C	51.51		
PV14-8RX-C	RING TERM, EXP VINYL, 16-14 AWG, #8	100 PC	500	1	100	500	C	47.29	36.96	29.53
PV14-8SLF-C	SHRT LOCK FORK TERM, VINYL,16-14 AWG,#8	100 PC	1000	1	100	1000	C	42.31	33.04	26.47
PV14-10F-C	FORK TERM, VINYL, 16-14 AWG, #10	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV14-10F-L	FORK TERM, VINYL, 16-14 AWG, #10	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV14-10F-X	FORK TERM, VINYL, 16-14 AWG, #10	10 PC	100	10			C	51.51		
PV14-10FF-C	FLANGED FORK TERM, VINYL, 16-14 AWG, #10	100 PC	500	1	100	1000	C	49.88	38.99	31.15
PV14-10FN-C	FORK TERM, VINYL, 16-14 AWG, #10	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV14-10FX-C	FORK TERM, EXP VINYL, 16-14 AWG, #10	100 PC	500	1	100	500	C	52.49	41.03	32.78
PV14-10LF-C	LOCK FORK TERM, VINYL, 16-14 AWG, #10	100 PC	500	1	100	500	C	43.16	33.70	27.00
PV14-10LF-L	LOCK FORK TERM, VINYL, 16-14 AWG, #10	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV14-10LF-X	LOCK FORK TERM, VINYL, 16-14 AWG, #10	10 PC	100	10			C	51.51		
PV14-10LFN-C	LOCK FORK TERM, VINYL, 16-14 AWG, #10	100 PC	500	1	100	500	C	42.31	33.04	26.47
PV14-10LFX-C	LOCK FORK TERM, EXP VINYL, 16-14 AWG,#10	100 PC	500	1	100	500	C	49.26	38.50	30.76
PV14-10R-C	RING TERM, VINYL, 16-14 AWG, #10	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV14-10R-L	RING TERM, VINYL, 16-14 AWG, #10	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV14-10R-X	RING TERM, VINYL, 16-14 AWG, #10	10 PC	100	10			C	51.51		
PV14-10RX-C	RING TERM, EXP VINYL, 16-14 AWG, #10	100 PC	500	1	100	500	C	46.40	36.27	28.97
PV14-10SLF-C	SHRT LOCK FORK TERM, VINYL,16-14 AWG,#10	100 PC	1000	1	100	1000	C	42.31	33.04	26.47

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



PV14-4R
Ring Terminal
Vinyl Insulated



PV18-6F
Fork Terminal,
Vinyl Insulated

PV18-6LF
Locking Fork,
Vinyl Insulated

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PV14-14F-C	FORK TERM, VINYL, 16-14 AWG, 1/4	100 PC	1000	1	100	500	C	$ 48.25	$ 37.67	$ 30.18
PV14-14R-C	RING TERM, VINYL, 16-14 AWG, 1/4	100 PC	500	1	100	500	C	48.25	37.67	30.18
PV14-14RX-C	RING TERM, EXP VINYL, 16-14 AWG, 1/4	100 PC	500	1	100	500	C	61.19	47.83	38.21
PV14-14SLF-C	SHRT LOCK FORK TERM, VINYL,16-14 AWG,1/4	100 PC	1000	1	100	1000	C	48.25	37.67	30.18
PV14-38R-L	RING TERM, VINYL, 16-14 AWG, 3/8	50 PC	500	1	50	500	C	50.45	39.43	31.50
PV14-38RX-L	RING TERM, EXP VINYL, 16-14 AWG, 3/8	50 PC	500	1	50	500	C	63.86	49.43	39.81
PV14-56R-C	RING TERM, VINYL, 16-14 AWG, 5/16	100 PC	500	1	100	500	C	51.41	40.19	32.10
PV14-56RX-C	RING TERM, EXP VINYL, 16-14 AWG, 5/16	100 PC	500	1	100	500	C	63.24	48.95	39.43
PV14-610R-C	RING TERM, VINYL, 16-14 AWG, #6-#10	100 PC	500	1	100	500	C	45.30	35.41	28.29
PV14-610R-X	RING TERM, VINYL, 16-14 AWG, #6-#10	10 PC	100	10			C	62.13		
PV14-P47-C	PIN TERM, VINYL, 16-14 AWG	100 PC	1000	1	100	1000	C	64.74	50.55	40.50
PV18-4R-C	RING TERM, VINYL, 22-18 AWG, #4	100 PC	500	1	100	500	C	40.05	31.31	25.01
PV18-4RX-C	RING TERM, EXP VINYL, 22-18 AWG, #4	100 PC	500	1	100	500	C	54.78	42.40	34.15
PV18-5SLF-C	SHRT LOCK FORK TERM, VINYL,22-18 AWG,#5	100 PC	1000	1	100	1000	C	42.31	33.04	26.47
PV18-6F-C	FORK TERM, VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV18-6F-L	FORK TERM, VINYL, 22-18 AWG, #6	50 PC	500	1	50	500	C	41.79	32.63	26.14
PV18-6F-X	FORK TERM, VINYL, 22-18 AWG, #6	10 PC	100	10			C	51.51		
PV18-6FF-C	FLANGED FORK TERM, VINYL, 22-18 AWG, #6	100 PC	500	1	100	1000	C	49.88	38.99	31.15
PV18-6FN-C	FORK TERM, VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV18-6FX-C	FORK TERM, EXP VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	50.20	39.24	31.35
PV18-6LF-C	LOCK FORK TERM, VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	42.31	33.04	26.47
PV18-6LF-L	LOCK FORK TERM, VINYL, 22-18 AWG, #6	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV18-6LF-X	LOCK FORK TERM, VINYL, 22-18 AWG, #6	10 PC	100	10			C	51.51		
PV18-6LFW-C	LOCK FORK TERM, VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	46.17	35.74	28.79
PV18-6LFX-C	LOCK FORK TERM, EXP VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	47.29	36.96	29.53
PV18-6R-C	RING TERM, VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	38.28	29.89	23.95
PV18-6R-L	RING TERM, VINYL, 22-18 AWG, #6	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV18-6R-X	RING TERM, VINYL, 22-18 AWG, #6	10 PC	100	10			C	51.51		
PV18-6RX-C	RING TERM, EXP VINYL, 22-18 AWG, #6	100 PC	500	1	100	500	C	46.83	36.61	29.24
PV18-6SLF-C	SHRT LOCK FORK TERM, VINYL,22-18 AWG,#6	100 PC	1000	1	100	1000	C	42.31	33.04	26.47
PV18-8F-C	FORK TERM, VINYL, 22-18 AWG, #8	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV18-8F-L	FORK TERM, VINYL, 22-18 AWG, #8	50 PC	500	1	50	500	C	41.79	32.63	26.14
PV18-8F-X	FORK TERM, VINYL, 22-18 AWG, #8	10 PC	100	10			C	51.51		
PV18-8FF-C	FLANGED FORK TERM, VINYL, 22-18 AWG, #8	100 PC	500	1	100	1000	C	49.88	38.99	31.15
PV18-8FX-C	FORK TERM, EXP VINYL, 22-18 AWG, #8	100 PC	500	1	100	500	C	50.20	39.24	31.35
PV18-8LF-C	LOCK FORK TERM, VINYL, 22-18 AWG, #8	100 PC	500	1	100	500	C	42.31	33.04	26.47
PV18-8LF-L	LOCK FORK TERM, VINYL, 22-18 AWG, #8	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV18-8LF-X	LOCK FORK TERM, VINYL, 22-18 AWG, #8	10 PC	100	10			C	51.51		
PV18-8LFX-C	LOCK FORK TERM, EXP VINYL, 22-18 AWG, #8	100 PC	500	1	100	500	C	47.29	36.96	29.53
PV18-8R-C	RING TERM, VINYL, 22-18 AWG, #8	100 PC	500	1	100	500	C	38.28	29.89	23.95
PV18-8R-L	RING TERM, VINYL, 22-18 AWG, #8	50 PC	500	1	50	500	C	41.79	32.63	26.14
PV18-8R-X	RING TERM, VINYL, 22-18 AWG, #8	10 PC	100	10			C	51.51		
PV18-8RX-C	RING TERM, EXP VINYL, 22-18 AWG, #8	100 PC	500	1	100	500	C	46.83	36.61	29.24
PV18-8SLF-C	SHRT LOCK FORK TERM, VINYL,22-18 AWG,#8	100 PC	1000	1	100	1000	C	42.31	33.04	26.47
PV18-10F-C	FORK TERM, VINYL, 22-18 AWG, #10	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV18-10F-L	FORK TERM, VINYL, 22-18 AWG, #10	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV18-10F-X	FORK TERM, VINYL, 22-18 AWG, #10	10 PC	100	10			C	51.51		
PV18-10FF-C	FLANGED FORK TERM, VINYL, 22-18 AWG, #10	100 PC	500	1	100	1000	C	49.88	38.99	31.15
PV18-10FN-C	FORK TERM, VINYL, 22-18 AWG, #10	100 PC	500	1	100	500	C	39.81	31.09	24.91
PV18-10FX-C	FORK TERM, EXP VINYL, 22-18 AWG, #10	100 PC	500	1	100	500	C	51.41	39.79	32.05
PV18-10LF-C	LOCK FORK TERM, VINYL, 22-18 AWG, #10	100 PC	500	1	100	500	C	42.31	33.04	26.47
PV18-10LF-L	LOCK FORK TERM, VINYL, 22-18 AWG, #10	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV18-10LF-X	LOCK FORK TERM, VINYL, 22-18 AWG, #10	10 PC	100	10			C	51.51		
PV18-10LFN-C	LOCK FORK TERM, VINYL, 22-18 AWG, #10	100 PC	500	1	100	500	C	42.31	33.04	26.47
PV18-10LFX-C	LOCK FORK TERM, EXP VINYL, 22-18 AWG,#10	100 PC	500	1	100	500	C	48.42	37.48	30.19

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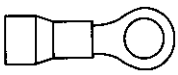
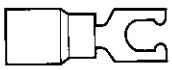
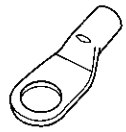


PV18-10R
Ring Tongue,
Vinyl Insulated



PV18-10SLF
Short Locking Fork,
Vinyl Insulated

PV18-P47
Pin Terminal,
Vinyl Insulated



S1/0-12R
Tubular Ring
Terminal

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PV18-10R-C	RING TERM, VINYL, 22-18 AWG, #10	100 PC	500	1	100	500	C	$ 39.81	$ 31.09	$ 24.91
PV18-10R-L	RING TERM, VINYL, 22-18 AWG, #10	50 PC	500	1	50	500	C	41.00	32.01	25.65
PV18-10R-X	RING TERM, VINYL, 22-18 AWG, #10	10 PC	100	10			C	51.51		
PV18-10RX-C	RING TERM, EXP VINYL, 22-18 AWG, #10	100 PC	500	1	100	500	C	46.40	36.27	28.97
PV18-10SLF-C	SHRT LOCK FORK TERM, VINYL,22-18 AWG,#10	100 PC	1000	1	100	1000	C	42.31	33.04	26.47
PV18-14R-C	RING TERM, VINYL, 22-18 AWG, 1/4	100 PC	500	1	100	500	C	50.45	39.43	31.50
PV18-14RX-C	RING TERM, EXP VINYL, 22-18 AWG, 1/4	100 PC	500	1	100	500	C	63.86	49.43	39.81
PV18-38R-C	RING TERM, VINYL, 22-18 AWG, 3/8	100 PC	500	1	100	500	C	49.97	39.06	31.20
PV18-38RX-C	RING TERM, EXP VINYL, 22-18 AWG, 3/8	100 PC	500	1	100	500	C	63.86	49.43	39.81
PV18-56R-C	RING TERM, VINYL, 22-18 AWG, 5/16	100 PC	500	1	100	500	C	52.15	40.37	32.51
PV18-56RX-C	RING TERM, EXP VINYL, 22-18 AWG, 5/16	100 PC	500	1	100	500	C	63.86	49.43	39.81
PV18-610R-C	RING TERM, VINYL, 22-18 AWG, #6-#10	100 PC	500	1	100	500	C	45.30	35.41	28.29
PV18-610R-X	RING TERM, VINYL, 22-18 AWG, #6-#10	10 PC	100	10			C	62.13		
PV18-P47-C	PIN TERM, VINYL, 22-18 AWG	100 PC	1000	1	100	1000	C	64.74	50.55	40.50
PV22-2F-C	FORK TERM, VINYL, 26-22 AWG, #2	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
PV22-2R-C	RING TERM, VINYL, 26-22 AWG, #2	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
PV22-4F-C	FORK TERM, VINYL, 26-22 AWG, #4	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
PV22-4R-C	RING TERM, VINYL, 26-22 AWG, #4	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
PV22-6F-C	FORK TERM, VINYL, 26-22 AWG, #6	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
PV22-6R-C	RING TERM, VINYL, 26-22 AWG, #6	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
PV22-8R-C	RING TERM, VINYL, 26-22 AWG, #8	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
PV22-10R-C	RING TERM, VINYL, 26-22 AWG, #10	100 PC	1000	1	100	1000	C	39.11	30.57	24.42
S1/0-12R-X	TUBULAR RING TERM, NON-INS, 1/0 AWG, 1/2	10 PC	100	1	10	100	C	323.46	252.84	201.99
S1/0-14R-X	TUBULAR RING TERM, NON-INS, 1/0 AWG, 1/4	10 PC	100	1	10	100	C	323.46	252.84	201.99
S1/0-38R-X	TUBULAR RING TERM, NON-INS, 1/0 AWG, 3/8	10 PC	100	1	10	100	C	323.46	252.84	201.99
S1/0-56R-X	TUBULAR RING TERM, NON-INS, 1/0AWG, 5/16	10 PC	100	1	10	100	C	323.46	252.84	201.99
S2-10R-X	TUBULAR RING TERM, NON-INS, 2 AWG, #10	10 PC	100	1	10	100	C	287.72	224.90	179.67
S2-12R-X	TUBULAR RING TERM, NON-INS, 2 AWG, 1/2	10 PC	100	1	10	100	C	334.52	261.48	208.89
S2-14R-X	TUBULAR RING TERM, NON-INS, 2 AWG, 1/4	10 PC	100	1	10	100	C	287.72	224.90	179.67
S2-38R-X	TUBULAR RING TERM, NON-INS, 2 AWG, 3/8	10 PC	100	1	10	100	C	287.72	224.90	179.67
S2-56R-X	TUBULAR RING TERM, NON-INS, 2 AWG, 5/16	10 PC	100	1	10	100	C	287.72	224.90	179.67
S2/0-12R-X	TUBULAR RING TERM, NON-INS, 2/0 AWG, 1/2	10 PC	100	1	10	100	C	405.33	316.83	253.11
S2/0-14R-X	TUBULAR RING TERM, NON-INS, 2/0 AWG, 1/4	10 PC	100	1	10	100	C	405.33	316.83	253.11
S2/0-38R-X	TUBULAR RING TERM, NON-INS, 2/0 AWG, 3/8	10 PC	100	1	10	100	C	405.33	316.83	253.11
S2/0-56R-X	TUBULAR RING TERM, NON-INS, 2/0AWG, 5/16	10 PC	100	1	10	100	C	405.33	316.83	253.11
S2/0-76R-X	TUBULAR RING TERM, NON-INS, 2/0AWG, 7/16	10 PC	100	1	10	100	C	405.33	316.83	253.11
S3/0-12R-5	TUBULAR RING TERM, NON-INS, 3/0 AWG, 1/2	5 PC	50	1	5	10	C	446.18	348.76	278.62
S3/0-14R-5	TUBULAR RING TERM, NON-INS, 3/0 AWG, 1/4	5 PC	50	1	5	10	C	446.18	348.76	278.62
S3/0-38R-5	TUBULAR RING TERM, NON-INS, 3/0 AWG, 3/8	5 PC	50	1	5	10	C	446.18	348.76	278.62
S3/0-56R-5	TUBULAR RING TERM, NON-INS, 3/0AWG, 5/16	5 PC	50	1	5	10	C	446.18	348.76	278.62
S3/0-76R-5	TUBULAR RING TERM, NON-INS, 3/0AWG, 7/16	5 PC	50	1	5	10	C	446.18	348.76	278.62
S4-10R-E	TUBULAR RING TERM, NON-INS, 4 AWG, #10	20 PC	200	1	20	200	C	153.75	120.18	96.01
S4-14R-E	TUBULAR RING TERM, NON-INS, 4 AWG, 1/4	20 PC	200	1	20	200	C	153.75	120.18	96.01
S4-38R-E	TUBULAR RING TERM, NON-INS, 4 AWG, 3/8	20 PC	200	1	20	200	C	153.75	120.18	96.01
S4-56R-E	TUBULAR RING TERM, NON-INS, 4 AWG, 5/16	20 PC	200	1	20	200	C	153.75	120.18	96.01
S4/0-12R-5	TUBULAR RING TERM, NON-INS, 4/0 AWG, 1/2	5 PC	50	1	5	10	C	505.15	394.86	315.44
S4/0-38R-5	TUBULAR RING TERM, NON-INS, 4/0 AWG, 3/8	5 PC	50	1	5	10	C	505.15	394.86	315.44
S4/0-56R-5	TUBULAR RING TERM, NON-INS, 4/0AWG, 5/16	5 PC	50	1	5	10	C	505.15	394.86	315.44
S4/0-76R-5	TUBULAR RING TERM, NON-INS, 4/0AWG, 7/16	5 PC	50	1	5	10	C	505.15	394.86	315.44
S6-10R-E	TUBULAR RING TERM, NON-INS, 6 AWG, #10	20 PC	200	1	20	200	C	117.68	91.99	73.49
S6-14R-E	TUBULAR RING TERM, NON-INS, 6 AWG, 1/4	20 PC	200	1	20	200	C	117.68	91.99	73.49
S6-38R-E	TUBULAR RING TERM, NON-INS, 6 AWG, 3/8	20 PC	200	1	20	200	C	117.68	91.99	73.49
S6-56R-E	TUBULAR RING TERM, NON-INS, 6 AWG, 5/16	20 PC	200	1	20	200	C	117.68	91.99	73.49
S8-10R-Q	TUBULAR RING TERM, NON-INS, 8 AWG, #10	25 PC	250	1	25	250	C	105.32	82.32	65.77
S8-14R-Q	TUBULAR RING TERM, NON-INS, 8 AWG, 1/4	25 PC	250	1	25	250	C	105.32	82.32	65.77

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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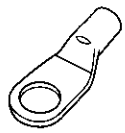


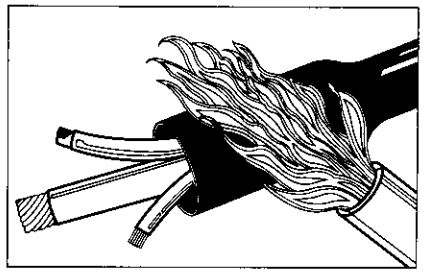
S3/0-56R
Tubular Ring
Terminal

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
S8-38R-Q	TUBULAR RING TERM, NON-INS, 8 AWG, 3/8	25 PC	250	1	25	250	C	$ 105.32	$ 82.32	$ 65.77
S8-56R-Q	TUBULAR RING TERM, NON-INS, 8 AWG, 5/16	25 PC	250	1	25	250	C	105.32	82.32	65.77
S250-12R-5	TUBULAR RING TERM, NON-INS, 250 MCM, 1/2	5 PC	50	1	5	10	C	591.90	462.66	369.61
S250-38R-5	TUBULAR RING TERM, NON-INS, 250 MCM, 3/8	5 PC	50	1	5	10	C	591.90	462.66	369.61
S250-56R-5	TUBULAR RING TERM, NON-INS, 250MCM, 5/16	5 PC	50	1	5	10	C	591.90	462.66	369.61
S250-76R-5	TUBULAR RING TERM, NON-INS, 250MCM, 7/16	5 PC	50	1	5	10	C	591.90	462.66	369.61
SR2	TERMINAL SLIDE RACK, 2 DRAWER	1 PC		1			PC	99.64		
SR4	TERMINAL SLIDE RACK, 4 DRAWER	1 PC		1			PC	105.63		
SR6	TERMINAL SLIDE RACK, 6 DRAWER	1 PC		1			PC	147.47		
SRB	TERMINAL SLIDE RACK, BASE	1 PC		1			PC	81.26		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Heat Shrink and Insulation Products

PANDUIT Heat Shrink Tubing provides an economical and easy way to insulate, protect, harness and identify electrical and electronic components in a wide variety of locations and applications.



Part Number System (Examples)

Thin Wall Heat Shrink Part Number System

HSTT 12 - 48 - Q 10

Type
HSTT = Thin Wall
HSTTD = Thin Wall Display
HSTTV = Thin Wall VW-1
HSTTR = Thin Wall Semi-Rigid
HSTTVA = Flexible Adhesive Lined
HSTTRA = Semi-Rigid Adhesive Lined
HSTTA = Thin Wall Adhesive Lined
HSTTP = Thin Wall PVC
HSTTN = Thin Wall Neoprene
HSTTK = Thin Wall KYNAR▲
HSTTT = Thin Wall TFE TEFLON■
HSTTT4X = Thin Wall TEFLON■ 4:1 Ratio
HSTTF = Thin Wall TEFLON■ FEP

Expanded Diameter
05 = 3/64 (1.2mm)
06 = 1/16 (1.6mm)
09 = 1/32 (2.4mm)
12 = 1/8 (3.2mm)
19 = 3/16 (4.8mm)
25 = 1/4 (6.4mm)
38 = 3/8 (9.5mm)
50 = 1/2 (12.7mm)
75 = 3/4 (19.0mm)
100 = 1 (25.4mm)
150 = 1-1/2 (38.1mm)
200 2 (50.5mm)
300 = 3 (76.2mm)
400 = 4 (101.6mm)

Tube Length
48 (1.2M)
NONE = REEL

Package Quantity (If Tube Length Specified)
2 = 2 Pcs.
5 = 5 Pcs.
Q = 25 Pcs.
LQ = 75 Pcs.
CQ = 125 Pcs.
T = 200 Pcs.
TL = 250 Pcs.

Reels (If No Tube Length Specified)
Q = 25' (7.6M)
L = 50' (15.2M)
C = 100' (30.5M)
T = 200' (61.0M)
D = 500' (152.4M)
M = 1000' (304.8M)

Color
NONE = Black
C = Clear
2 = Red
4 = Yellow
5 = Green
6 = Blue
10 = White
45 = Yellow/Green

▲ *KYNAR is a registered trademark of Elf Atochem*
■*TEFLON is registered trademark of E.I. Dupont Co.*

Thick Wall Heat Shrink Part Number System

HST 0.4 - 3 - Q 2

Type
HST

Expanded Diameter
0.4 = .40 (10.2mm)
0.8 = .80 (20.3mm)
1.1 = 1.10 (27.9mm)
1.5 = 1.50 (38.1mm)
2.0 = 2.00 (50.8mm)
3.0 = 3.00 (76.2mm)

PC Length
3 = 3 (76.2mm)
6 = 6 (152.4mm)
9 = 9 (228.6mm)
12 = 12 (304.8mm)
48 = 4' (1.2M)

Package Quantity
1 = 1 Pc.
2 = 2 Pcs.
3 = 3 Pcs.
5 = 5 Pcs.
X = 10 Pcs.
Q = 25 Pcs.

Color
None = Black
2 = Red

PANDUIT® Heat Shrink and Insulation Products

Recommended Tubing Size for Common Wire Types Based on Location

For Insulated Wire, Uninsulated Wire and Insulated Wire With Copper Connectors

Instructions for tube selection:

1) Determine Location Type.

DRY SHRINK HEAT SHRINK	**DRY**: A location not normally subject to dampness or wetness. A location classified as dry may be temporarily subject to dampness or wetness, as in the case of a building under construction.
DAMP SHRINK HEAT SHRINK	**DAMP**: Partially protected locations under canopies, marquees, roofed open porches, and like locations, and interior locations subject to moderate degrees of moisture, such as some basements, some barns and some cold-storage warehouses.
WET SHRINK HEAT SHRINK	**WET**: Installations underground or in concrete slabs or masonry in direct contact with the earth, and locations subject to saturation with water or other liquids, such as vehicle washing areas, and locations exposed to weather and unprotected.

2) Match wire size to location type under required application - insulated wire, uninsulated wire, or insulated wire with copper connectors.

3) Read corresponding part number.

4) Part numbers with -Y are packages containing 6 pieces. Part numbers with -48 are 48 pieces.

5) Part numbers shown below are for black heat shrink.

Wire Size	Insulated			Uninsulated			Insulated Wire with Copper Connector		
	Dry	Damp	Wet	Dry	Damp	Wet	Dry	Damp	Wet
24	HSTT12-Y	HSTTA19-Y	—	—	—	—	HSTT12-Y	—	—
22	HSTT12-Y	HSTTA19-Y	—	—	—	—	HSTT12-Y	—	—
20	HSTT12-Y	HSTTA19-Y	—	HSTT06-Y	—	—	HSTT19-Y	HSTTA19-Y	—
18	HSTT19-Y	HSTTA19-Y	—	HSTT06-Y	—	—	HSTT19-Y	HSTTA19-Y	—
16	HSTT19-Y	HSTTA25-Y	—	HSTT06-Y	—	—	HSTT19-Y	HSTTA25-Y	—
14	HSTT19-Y	HSTTA25-Y	—	HSTT12-Y	HSTTA19-Y	—	HSTT19-Y	HSTTA25-Y	—
12	HSTT25-Y	HSTTA38-Y	HST0.4-48-5	HSTT12-Y	HSTTA19-Y	—	HSTT25-Y	HSTTA38-Y	HST0.4-48-5
10	HSTT25-Y	HSTTA38-Y	HST0.4-48-5	HSTT19-Y	HSTTA25-Y	—	HSTT25-Y	HSTTA38-Y	HST0.4-48-5
8	HSTT38-Y	HSTTA50-Y	HST0.4-48-5	HSTT25-Y	HSTTA25-Y	—	HSTT38-Y	HSTTA50-Y	HST0.4-48-5
6	HSTT50-Y	HSTTA50-Y	HST0.8-48-5	HSTT25-Y	HSTTA38-Y	HST0.4-48-5	HSTT50-Y	HSTTA50-Y	HST0.8-48-5
4	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT38-Y	HSTTA38-Y	HST0.4-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5
3	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT38-Y	HSTTA50-Y	HST0.4-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5
2	HSTT75-Y	HSTTA100-Y	HST0.8-48-5	HSTT50-Y	HSTTA50-Y	HST0.8-48-5	HSTT75-Y	HSTTA100-Y	HST0.8-48-5
1	HSTT75-Y	HSTTA100-Y	HST0.8-48-5	HSTT50-Y	HSTTA50-Y	HST0.8-48-5	HSTT75-Y	HSTTA100-Y	HST1.1-48-5
1/0	HSTT75-Y	HSTTA100-Y	HST1.1-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT75-Y	HSTTA100-Y	HST1.1-48-5
2/0	HSTT100-Y	HSTTA100-Y	HST1.1-48-5	HSTT50-Y	HSTTA75-Y	HST0.8-48-5	HSTT100-Y	HSTTA100-Y	HST1.1-48-5
3/0	HSTT100-Y	HSTTA150-Y	HST1.1-48-5	HSTT75-Y	HSTTA100-Y	HST0.8-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5
4/0	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT75-Y	HSTTA100-Y	HST1.1-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5
250	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT100-Y	HSTTA100-Y	HST1.1-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5
300	HSTT150-48-5	HSTTA150-Y	HST1.5-48-5	HSTT100-Y	HSTTA100-Y	HST1.1-48-5	HSTT150-Y	HSTTA150-Y	HST1.5-48-5
350	HSTT150-48-5	HSTTA150-Y	HST1.5-48-5	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
400	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
500	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT100-Y	HSTTA150-Y	HST1.5-48-5	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
600	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2
700	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST2.0-48-2
750	HSTT200-48-5	HSTTA150-Y	HST3.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
800	HSTT200-48-5	—	HST3.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
900	HSTT200-48-5	—	HST3.0-48-2	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
1000	HSTT200-48-5	—	HST3.0-48-2	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2	HSTT200-48-5	—	HST3.0-48-2
1250	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2	—	—	HST3.0-48-2
1500	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	—	HST3.0-48-2	—	—	—
1750	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	—	HST3.0-48-2	—	—	—
2000	HSTT300-48-2	—	HST3.0-48-2	HSTT200-48-5	—	HST3.0-48-2	—	—	—

Sizing information is based on the following wire types: MTW, THHN, THWN, TFN, THW, TW, TF, RHW, RH, RHH AND UL1015. THHN is the most common wire type.

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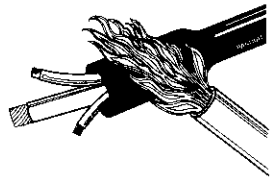
Effective Date: March 23, 2001

PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
DS1	DUCT SEAL COMPOUND, 1 LB	1 PC	30	1	10	50	PC	$ 3.22	$ 2.81	$ 2.53
DS5	DUCT SEAL COMPOUND, 5 LBS	1 PC	6	1	10	50	PC	12.98	11.34	10.20
HSEC0.5-X	HT SHRINK THICK ADH END CAP, .5"(13MM)	10 PC	100	1	10	100	PC	5.21	4.56	4.06
HSEC0.8-X	HT SHRINK THICK ADH END CAP, .8"(20MM)	10 PC	100	1	10	100	PC	6.30	5.51	4.90
HSEC1.0-X	HT SHRINK THICK ADH END CAP, 1"(26MM)	10 PC	100	1	10	100	PC	8.24	7.21	6.41
HSEC1.5-5	HT SHRINK THICK ADH END CAP, 1.6"(40MM)	5 PC	50	1	5	50	PC	11.25	9.84	8.75
HSEC2.0-5	HT SHRINK THICK ADH END CAP, 2.2"(57MM)	5 PC	50	1	5	50	PC	12.14	10.63	9.45
HSEC4.0-2	HT SHRINK THICK ADH END CAP, 4.1"(105MM)	2 PC	10	1	2	20	PC	21.00	18.37	16.34
HSG-115V-300	HEAT SHRINK GUN, 115V, LOW TEMP	1 PC		1	10		PC	144.75	137.51	
HSG-115V-500	HEAT SHRINK GUN, 115V, GENERAL PURPOSE	1 PC		1	10		PC	149.13	141.67	
HSG-115V-650	HEAT SHRINK GUN, 115V, HIGH TEMP	1 PC		1	10		PC	152.88	145.24	
HSG-A1	SHRINK TUBE REFLECTOR, UP TO 0.75" ID	1 PC	10	1	10		PC	14.81	14.07	
HSG-A2	SHRINK TUBE REFLECTOR, UP TO 1.5" ID	1 PC	10	1	10		PC	14.81	14.07	
HSG-A3	SHRINK TUBE CONCENTRATOR	1 PC	10	1	10		PC	24.33	23.12	
HSG-A4	HEAT SHRINK GUN BLK POLY CARRYING CASE	1 PC		1	10		PC	96.32	91.50	
HSG-P1	HEAT SHRINK GUN BRUSH/SPRING KIT	1 PC	5	1	10		PC	5.50	5.23	
HSG-P2	HEAT SHRINK GUN SWITCH, 20 AMP	1 PC	5	1	10		PC	25.14	23.89	
HSG-P3	HEAT SHRINK GUN BEARING KIT	1 PC	5	1	10		PC	16.69	15.85	
HSG-P4	HEAT SHRINK GUN HEAT ELEMENT, 300 DEG F	1 PC		1	10		PC	22.71	21.57	
HSG-P5	HEAT SHRINK GUN HEAT ELEMENT, 500 DEG F	1 PC		1	10		PC	22.71	21.57	
HSG-P6	THERMO CUT-OFF SWITCH FOR HSG-115V-300	1 PC	5	1	10		PC	7.91	7.51	
HSG-P7	HEAT SHRINK GUN HEAT ELEMENT, 650 DEG F	1 PC		1	10		PC	23.87	22.68	
HST0.4-3-Q	HT SHRINK THICK ADH, 0.4"(10.1MM)DIA,BLK	25 PC	100	1	25	250	PC	4.56	3.99	3.55
HST0.4-3-Q2	HT SHRINK THICK ADH, 0.4"(10.1MM)DIA,RED	25 PC	100	1	25	250	PC	4.56	3.99	3.55
HST0.4-6-3	HT SHRINK THICK ADH, 0.4"(10.1MM)DIA,BLK	3 PC	30	3	30	90	PC	7.67	6.71	5.97
HST0.4-6-X	HT SHRINK THICK ADH, 0.4"(10.1MM)DIA,BLK	10 PC	100	1	10	100	PC	5.93	5.19	4.62
HST0.4-6-X2	HT SHRINK THICK ADH, 0.4"(10.1MM)DIA,RED	10 PC	100	1	10	100	PC	5.93	5.19	4.62
HST0.4-48-5	HT SHRINK THICK ADH, 0.4"(10.1MM)DIA,BLK	5 PC	20	1	5	50	PC	26.26	22.98	20.44
HST0.4-48-5-2	HT SHRINK THICK ADH, 0.4"(10.1MM)DIA,RED	5 PC	20	1	5	50	PC	26.26	22.98	20.44
HST0.8-6-3	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,BLK	3 PC	30	3	30	90	PC	8.47	7.41	6.59
HST0.8-6-X	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,BLK	10 PC	100	1	10	100	PC	6.23	5.45	4.85
HST0.8-6-X2	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,RED	10 PC	100	1	10	100	PC	6.23	5.45	4.85
HST0.8-9-X	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,BLK	10 PC	100	1	10	100	PC	6.95	6.08	5.41
HST0.8-9-X2	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,RED	10 PC	100	1	10	100	PC	6.95	6.08	5.41
HST0.8-12-5	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,BLK	5 PC	50	1	5	50	PC	8.85	7.75	6.89
HST0.8-12-5-2	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,RED	5 PC	50	1	5	50	PC	8.85	7.75	6.89
HST0.8-48-5	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,BLK	5 PC	20	1	5	50	PC	27.72	24.26	21.58
HST0.8-48-5-2	HT SHRINK THICK ADH, 0.8"(20.3MM)DIA,RED	5 PC	20	1	5	50	PC	27.72	24.26	21.58
HST1.1-6-3	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,BLK	3 PC	30	3	30	90	PC	10.72	9.38	8.34
HST1.1-6-X	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,BLK	10 PC	100	1	10	100	PC	8.34	7.30	6.49
HST1.1-6-X2	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,RED	10 PC	100	1	10	100	PC	8.34	7.30	6.49
HST1.1-9-2	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,BLK	2 PC	20	2	20	100	PC	11.37	9.95	8.85
HST1.1-9-X	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,BLK	10 PC	100	1	10	100	PC	8.85	7.75	6.89
HST1.1-9-X2	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,RED	10 PC	100	1	10	100	PC	8.85	7.75	6.89
HST1.1-12-5	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,BLK	5 PC	50	1	5	50	PC	10.63	9.30	8.27
HST1.1-12-5-2	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,RED	5 PC	50	1	5	50	PC	10.63	9.30	8.27
HST1.1-48-5	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,BLK	5 PC	20	1	5	50	PC	31.47	27.54	24.50
HST1.1-48-5-2	HT SHRINK THICK ADH, 1.1"(27.9MM)DIA,RED	5 PC	20	1	5	50	PC	31.47	27.54	24.50
HST1.5-9-X	HT SHRINK THICK ADH, 1.5"(38.1MM)DIA,BLK	10 PC	100	1	10	100	PC	12.90	11.29	10.04
HST1.5-12-1	HT SHRINK THICK ADH, 1.5"(38.1MM)DIA,BLK	1 PC	10	1	10	100	PC	18.15	15.88	14.12
HST1.5-12-5	HT SHRINK THICK ADH, 1.5"(38.1MM)DIA,BLK	5 PC	50	1	5	50	PC	14.06	12.30	10.95
HST1.5-48-5	HT SHRINK THICK ADH, 1.5"(38.1MM)DIA,BLK	5 PC	15	1	5	50	PC	49.10	42.97	38.22
HST2.0-9-5	HT SHRINK THICK ADH, 2"(50.8MM) DIA, BLK	5 PC	50	1	5	50	PC	16.56	14.49	12.89
HST2.0-12-2	HT SHRINK THICK ADH, 2"(50.8MM) DIA, BLK	2 PC	20	1	2	20	PC	19.87	17.39	15.47
HST2.0-48-2	HT SHRINK THICK ADH, 2"(50.8MM) DIA, BLK	2 PC	8	1	2	20	PC	57.48	50.30	44.74

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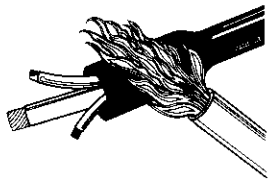
PANDUIT® Heat Shrink and Insulation Products

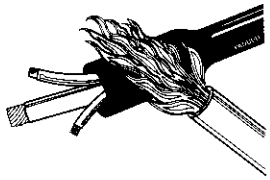


Heat Shrink Tubing

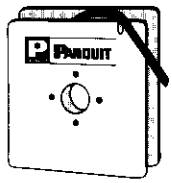
Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HST3.0-12-2	HT SHRINK THICK ADH, 3"(76.2MM) DIA, BLK	2 PC	20	1	2	20	PC	$ 24.71	$ 21.62	$ 19.23
HST3.0-48-2	HT SHRINK THICK ADH, 3"(76.2MM) DIA, BLK	2 PC	8	1	2	20	PC	74.38	65.08	57.90
HSTT-YK1	HT SHRINK THIN, 2 PC EA 1/16"-1/2", BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT-YK1-45	HT SHRINK THIN, 2 PC EA 1/16"-1/2", Y/G	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT-YK2	HT SHRINK THIN, 2 PC EA 3/8"-1", BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT-YK2-45	HT SHRINK THIN, 2 PC EA 3/8"-1", Y/G	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT05-48-Q	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLK	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTT05-48-Q2	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, RED	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTT05-48-Q4	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, YEL	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTT05-48-Q5	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, GRN	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTT05-48-Q6	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLU	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTT05-48-Q10	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, WHT	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTT05-48-QC	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, CLR	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTT05-48-TL	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLK	250 PC		250	500	1000	PC	1.50	1.28	1.14
HSTT05-48-TLC	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, CLR	250 PC		250	500	1000	PC	1.50	1.28	1.14
HSTT05-C	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLK	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTT05-C2	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, RED	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTT05-CC	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, CLR	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTT05-M	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLK	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTT05-M2	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, RED	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTT05-M4	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, YEL	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTT05-M5	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, GRN	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTT05-M6	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLU	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTT05-M10	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, WHT	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTT05-MC	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, CLR	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTT05-Q	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLK	1 RL	10	1	4	40	RL	16.19	14.17	12.60
HSTT05-Q2	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, RED	1 RL	10	1	4	40	RL	16.19	14.17	12.60
HSTT05-Q4	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, YEL	1 RL	10	1	4	40	RL	16.19	14.17	12.60
HSTT05-Q5	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, GRN	1 RL	10	1	4	40	RL	16.19	14.17	12.60
HSTT05-Q6	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, BLU	1 RL	10	1	4	40	RL	16.19	14.17	12.60
HSTT05-Q10	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, WHT	1 RL	10	1	4	40	RL	16.19	14.17	12.60
HSTT05-QC	HEAT SHRINK THIN, 3/64"(1.2MM) DIA, CLR	1 RL	10	1	4	40	RL	16.19	14.17	12.60
HSTT06-48-Q	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLK	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTT06-48-Q2	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, RED	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTT06-48-Q4	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, YEL	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTT06-48-Q5	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, GRN	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTT06-48-Q6	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLU	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTT06-48-Q10	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, WHT	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTT06-48-QC	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, CLR	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTT06-48-TL	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLK	250 PC		250	500	1000	PC	1.53	1.31	1.17
HSTT06-48-TLC	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, CLR	250 PC		250	500	1000	PC	1.53	1.31	1.17
HSTT06-C	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLK	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTT06-C2	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, RED	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTT06-CC	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, CLR	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTT06-M	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLK	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTT06-M2	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, RED	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTT06-M4	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, YEL	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTT06-M5	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, GRN	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTT06-M6	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLU	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTT06-M10	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, WHT	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTT06-MC	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, CLR	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTT06-Q	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLK	1 RL	10	1	4	40	RL	16.51	14.45	12.85
HSTT06-Q2	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, RED	1 RL	10	1	4	40	RL	16.51	14.45	12.85
HSTT06-Q4	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, YEL	1 RL	10	1	4	40	RL	16.51	14.45	12.85
HSTT06-Q5	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, GRN	1 RL	10	1	4	40	RL	16.51	14.45	12.85

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing



25' Reel

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTT06-Q6	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLU	1 RL	10	1	4	40	RL	$ 16.51	$ 14.45	$ 12.85
HSTT06-Q10	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, WHT	1 RL	10	1	4	40	RL	16.51	14.45	12.85
HSTT06-QC	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, CLR	1 RL	10	1	4	40	RL	16.51	14.45	12.85
HSTT06-Y	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT06-Y2	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT06-Y4	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT06-Y5	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT06-Y6	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT06-Y10	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT06-YC	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT06-YK1	HEAT SHRINK THIN, 1/16"(1.6MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-48-Q	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLK	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTT09-48-Q2	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, RED	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTT09-48-Q4	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, YEL	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTT09-48-Q5	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, GRN	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTT09-48-Q6	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLU	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTT09-48-Q10	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, WHT	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTT09-48-QC	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, CLR	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTT09-48-TL	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLK	250 PC		250	500	1000	PC	1.77	1.51	1.35
HSTT09-48-TLC	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, CLR	250 PC		250	500	1000	PC	1.77	1.51	1.35
HSTT09-C	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLK	1 RL	10	1	2	4	RL	47.86	42.58	40.09
HSTT09-C2	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, RED	1 RL	10	1	2	4	RL	47.86	42.58	40.09
HSTT09-CC	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, CLR	1 RL	10	1	2	4	RL	47.86	42.58	40.09
HSTT09-M	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLK	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTT09-M2	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, RED	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTT09-M4	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, YEL	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTT09-M5	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, GRN	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTT09-M6	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLU	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTT09-M10	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, WHT	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTT09-MC	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, CLR	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTT09-Q	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLK	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTT09-Q2	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, RED	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTT09-Q4	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, YEL	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTT09-Q5	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, GRN	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTT09-Q6	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLU	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTT09-Q10	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, WHT	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTT09-QC	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, CLR	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTT09-Y	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-Y2	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-Y4	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-Y5	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-Y6	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-Y10	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-YC	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT09-YK1	HEAT SHRINK THIN, 3/32"(2.4MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-.5K	HEAT SHRINK THIN, 1/8"(3.2MM) DIA 1/2"PC, BLK	10000 PC		10000	20000	100000	M	103.03	91.65	86.30
HSTT12-.5KC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA 1/2"PC, CLR	10000 PC		10000	20000	100000	M	103.03	91.65	86.30
HSTT12-1K	HEAT SHRINK THIN, 1/8"(3.2MM) DIA 1"PC, BLK	10000 PC		10000	20000	100000	M	154.31	137.27	129.26
HSTT12-1KC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA 1"PC, CLR	10000 PC		10000	20000	100000	M	154.31	137.27	129.26
HSTT12-48-Q	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLK	25 PC		25	250	500	PC	1.97	1.75	1.65
HSTT12-48-Q2	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, RED	25 PC		25	250	500	PC	1.97	1.75	1.65
HSTT12-48-Q4	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, YEL	25 PC		25	250	500	PC	1.97	1.75	1.65
HSTT12-48-Q5	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, GRN	25 PC		25	250	500	PC	1.97	1.75	1.65
HSTT12-48-Q6	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLU	25 PC		25	250	500	PC	1.97	1.75	1.65
HSTT12-48-Q10	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, WHT	25 PC		25	250	500	PC	1.97	1.75	1.65

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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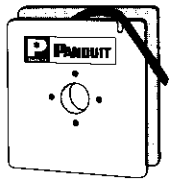
PANDUIT® Heat Shrink and Insulation Products

Heat Shrink Tubing

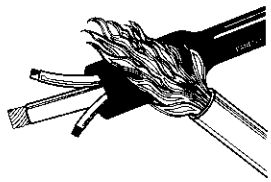


25' Reel

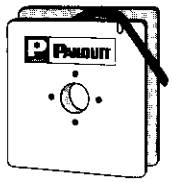
Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTT12-48-Q45	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, Y/G	25 PC		25	250	500	PC	$ 3.36	$ 2.99	$ 2.81
HSTT12-48-QC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, CLR	25 PC		25	250	500	PC	1.97	1.75	1.65
HSTT12-48-TL	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLK	250 PC		250	500	1000	PC	1.90	1.62	1.46
HSTT12-48-TLC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, CLR	250 PC		250	500	1000	PC	1.90	1.62	1.46
HSTT12-C	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLK	1 RL	10	1	2	4	RL	51.11	45.47	42.82
HSTT12-C2	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, RED	1 RL	10	1	2	4	RL	51.11	45.47	42.82
HSTT12-CC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, CLR	1 RL	10	1	2	4	RL	51.11	45.47	42.82
HSTT12-M	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLK	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTT12-M2	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, RED	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTT12-M4	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, YEL	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTT12-M5	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, GRN	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTT12-M6	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLU	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTT12-M10	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, WHT	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTT12-M45	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, Y/G	1 RL	2	1	2	4	RL	840.53	747.75	704.08
HSTT12-MC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, CLR	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTT12-Q	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLK	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTT12-Q2	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, RED	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTT12-Q4	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, YEL	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTT12-Q5	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, GRN	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTT12-Q6	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLU	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTT12-Q10	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, WHT	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTT12-Q45	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, Y/G	1 RL	10	1	4	40	RL	33.11	28.97	25.77
HSTT12-QC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, CLR	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTT12-Y	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-Y2	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-Y4	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-Y5	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-Y6	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-Y10	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-YC	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT12-YK1	HEAT SHRINK THIN, 1/8"(3.2MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-.5K	HEAT SHRINK THIN, 3/16"(4.8MM) DIA 1/2"PC, BLK	10000 PC		10000	20000	100000	M	150.77	134.12	126.29
HSTT19-.5KC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA 1/2"PC, CLR	10000 PC		10000	20000	100000	M	150.77	134.12	126.29
HSTT19-1K	HEAT SHRINK THIN, 3/16"(4.8MM) DIA 1"PC, BLK	10000 PC		10000	20000	100000	M	188.80	167.96	158.15
HSTT19-1KC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA 1"PC, CLR	10000 PC		10000	20000	100000	M	188.80	167.96	158.15
HSTT19-48-Q	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLK	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTT19-48-Q2	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, RED	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTT19-48-Q4	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, YEL	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTT19-48-Q5	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, GRN	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTT19-48-Q6	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLU	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTT19-48-Q10	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, WHT	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTT19-48-Q45	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, Y/G	25 PC		25	250	500	PC	4.24	3.77	3.55
HSTT19-48-QC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, CLR	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTT19-48-TL	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLK	250 PC		250	500	1000	PC	2.33	1.99	1.78
HSTT19-48-TLC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, CLR	250 PC		250	500	1000	PC	2.33	1.99	1.78
HSTT19-C	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLK	1 RL	10	1	2	4	RL	60.83	54.12	50.96
HSTT19-C2	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, RED	1 RL	10	1	2	4	RL	60.83	54.12	50.96
HSTT19-CC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, CLR	1 RL	10	1	2	4	RL	60.83	54.12	50.96
HSTT19-M	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLK	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTT19-M2	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, RED	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTT19-M4	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, YEL	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTT19-M5	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, GRN	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTT19-M6	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLU	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTT19-M10	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, WHT	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTT19-M45	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, Y/G	1 RL	2	1	2	4	RL	1058.44	941.60	886.62

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing



25' Reel

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTT19-MC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, CLR	1 RL	2	1	2	4	RL	$ 609.78	$ 542.47	$ 510.79
HSTT19-Q	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLK	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTT19-Q2	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, RED	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTT19-Q4	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, YEL	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTT19-Q5	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, GRN	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTT19-Q6	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLU	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTT19-Q10	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, WHT	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTT19-Q45	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, Y/G	1 RL	10	1	4	40	RL	41.40	36.22	32.22
HSTT19-QC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, CLR	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTT19-Y	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-Y2	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-Y4	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-Y5	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-Y6	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-Y10	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-YC	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT19-YK1	HEAT SHRINK THIN, 3/16"(4.8MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT25-.5F	HEAT SHRINK THIN, 1/4"(6.4MM) DIA 1/2"PC, BLK	5000 PC		5000	10000	50000	M	188.34	167.55	157.77
HSTT25-.5FC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA 1/2"PC, CLR	5000 PC		5000	10000	50000	M	188.34	167.55	157.77
HSTT25-1F	HEAT SHRINK THIN, 1/4"(6.4MM) DIA 1"PC, BLK	5000 PC		5000	10000	50000	M	235.62	209.61	197.37
HSTT25-1FC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA 1"PC, CLR	5000 PC		5000	10000	50000	M	235.62	209.61	197.37
HSTT25-48-Q	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLK	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTT25-48-Q2	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, RED	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTT25-48-Q4	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, YEL	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTT25-48-Q5	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, GRN	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTT25-48-Q6	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLU	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTT25-48-Q10	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, WHT	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTT25-48-Q45	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, Y/G	25 PC		25	250	500	PC	5.11	4.55	4.28
HSTT25-48-QC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, CLR	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTT25-48-TL	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLK	250 PC		250	500	1000	PC	2.91	2.48	2.22
HSTT25-48-TLC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, CLR	250 PC		250	500	1000	PC	2.91	2.48	2.22
HSTT25-C	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLK	1 RL	10	1	2	4	RL	75.46	67.13	63.21
HSTT25-C2	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, RED	1 RL	10	1	2	4	RL	75.46	67.13	63.21
HSTT25-CC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, CLR	1 RL	10	1	2	4	RL	75.46	67.13	63.21
HSTT25-D	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLK	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTT25-D2	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, RED	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTT25-D4	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, YEL	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTT25-D5	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, GRN	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTT25-D6	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLU	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTT25-D10	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, WHT	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTT25-D45	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, Y/G	1 RL	2	1	2	4	RL	638.18	567.73	534.58
HSTT25-DC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, CLR	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTT25-Q	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLK	1 RL	10	1	4	40	RL	29.09	25.46	22.65
HSTT25-Q2	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, RED	1 RL	10	1	4	40	RL	29.09	25.46	22.65
HSTT25-Q4	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, YEL	1 RL	10	1	4	40	RL	29.09	25.46	22.65
HSTT25-Q5	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, GRN	1 RL	10	1	4	40	RL	29.09	25.46	22.65
HSTT25-Q6	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLU	1 RL	10	1	4	40	RL	29.09	25.46	22.65
HSTT25-Q10	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, WHT	1 RL	10	1	4	40	RL	29.09	25.46	22.65
HSTT25-Q45	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, Y/G	1 RL	10	1	4	40	RL	49.26	43.10	38.35
HSTT25-QC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, CLR	1 RL	10	1	4	40	RL	29.09	25.46	22.65
HSTT25-Y	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT25-Y2	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT25-Y4	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT25-Y5	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT25-Y6	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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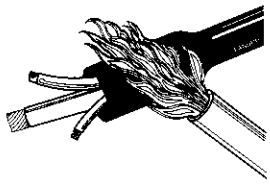
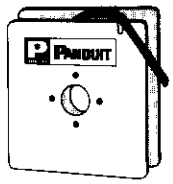
PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing



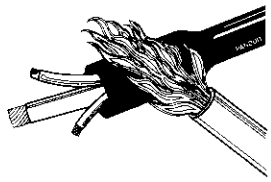
25' Reel

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTT25-Y10	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, WHT	1 PK	10	1	10	100	PK	$ 10.19	$ 8.92	$ 7.93
HSTT25-YC	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT25-YK1	HEAT SHRINK THIN, 1/4"(6.4MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-48-Q	HEAT SHRINK THIN, 3"(76.2MM) DIA, CLR	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTT38-48-Q2	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, WHT	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTT38-48-Q4	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, RED	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTT38-48-Q5	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, Y/G	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTT38-48-Q6	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, GRN	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTT38-48-Q10	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLK	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTT38-48-Q45	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, YEL	25 PC		25	250	500	PC	5.68	5.06	4.76
HSTT38-48-QC	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLU	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTT38-48-TL	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, CLR	250 PC		250	500	1000	PC	3.25	2.77	2.48
HSTT38-48-TLC	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLK	250 PC		250	500	1000	PC	3.25	2.77	2.48
HSTT38-C	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, CLR	1 RL	10	1	2	4	RL	82.33	73.24	68.96
HSTT38-C2	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, RED	1 RL	10	1	2	4	RL	82.33	73.24	68.96
HSTT38-CC	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, CLR	1 RL	10	1	2	4	RL	82.33	73.24	68.96
HSTT38-Q	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLK	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTT38-Q2	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, RED	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTT38-Q4	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, YEL	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTT38-Q5	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, GRN	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTT38-Q6	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLU	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTT38-Q10	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, WHT	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTT38-Q45	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, Y/G	1 RL	10	1	4	40	RL	54.01	47.26	42.05
HSTT38-QC	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, CLR	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTT38-T	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLK	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTT38-T2	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, RED	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTT38-T4	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, YEL	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTT38-T5	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, GRN	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTT38-T6	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLU	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTT38-T10	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, WHT	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTT38-T45	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, Y/G	1 RL	2	1	2	4	RL	284.22	252.85	238.08
HSTT38-TC	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, CLR	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTT38-Y	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-Y2	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-Y4	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-Y5	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-Y6	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-Y10	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-YC	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT38-YK1	HEAT SHRINK THIN, 3/8"(9.5MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-48-Q	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLK	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTT50-48-Q2	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, RED	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTT50-48-Q4	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, YELp	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTT50-48-Q5	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, GRN	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTT50-48-Q6	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLU	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTT50-48-Q10	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, WHT	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTT50-48-Q45	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, Y/G	25 PC		25	250	500	PC	6.45	5.74	5.41
HSTT50-48-QC	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, CLR	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTT50-48-T	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLK	200 PC		200	400	800	PC	3.66	3.12	2.80
HSTT50-48-TC	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, CLR	200 PC		200	400	800	PC	3.66	3.12	2.80
HSTT50-C	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLK	1 RL	10	1	2	4	RL	96.03	85.43	80.44
HSTT50-C2	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, RED	1 RL	10	1	2	4	RL	92.12	81.95	77.17
HSTT50-CC	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, CLR	1 RL	10	1	2	4	RL	92.12	81.95	77.17
HSTT50-Q	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLK	1 RL	10	1	4	40	RL	36.59	32.02	28.48
HSTT50-Q2	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, RED	1 RL	10	1	4	40	RL	36.59	32.02	28.48

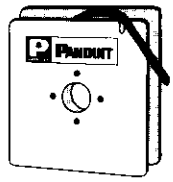
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

Effective Date: March 23, 2000

PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing



25' Reel

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTT50-Q4	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, YEL	1 RL	10	1	4	40	RL	$ 36.59	$ 32.02	$ 28.48
HSTT50-Q5	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, GRN	1 RL	10	1	4	40	RL	36.59	32.02	28.48
HSTT50-Q6	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLU	1 RL	10	1	4	40	RL	36.59	32.02	28.48
HSTT50-Q10	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, WHT	1 RL	10	1	4	40	RL	36.59	32.02	28.48
HSTT50-Q45	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, Y/G	1 RL	10	1	4	40	RL	61.72	54.01	48.05
HSTT50-QC	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, CLR	1 RL	10	1	4	40	RL	36.59	32.02	28.48
HSTT50-T	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLK	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTT50-T2	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, RED	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTT50-T4	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, YEL	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTT50-T5	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, GRN	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTT50-T6	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLU	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTT50-T10	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, WHT	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTT50-T45	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, Y/G	1 RL	2	1	2	4	RL	323.40	287.70	270.90
HSTT50-TC	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, CLR	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTT50-Y	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-Y2	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-Y4	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-Y5	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-Y6	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-Y10	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-YC	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT50-YK1	HEAT SHRINK THIN, 1/2"(12.7MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT75-48-5	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLK	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTT75-48-5-2	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, RED	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTT75-48-5-4	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, YEL	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTT75-48-5-5	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, GRN	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTT75-48-5-6	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLU	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTT75-48-5-10	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, WHT	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTT75-48-5C	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, CLR	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTT75-48-545	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, Y/G	5 PC		25	250	500	PC	9.49	8.44	7.95
HSTT75-48-CQ	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLK	125 PC		125	250	500	PC	4.88	4.16	3.73
HSTT75-48-CQC	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, CLR	125 PC		125	250	500	PC	4.88	4.16	3.73
HSTT75-C	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLK	1 RL	10	1	2	4	RL	128.21	114.05	107.39
HSTT75-C2	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, RED	1 RL	10	1	2	4	RL	128.21	114.05	107.39
HSTT75-CC	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, CLR	1 RL	10	1	2	4	RL	128.21	114.05	107.39
HSTT75-Q	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLK	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTT75-Q2	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, RED	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTT75-Q4	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, YEL	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTT75-Q5	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, GRN	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTT75-Q6	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLU	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTT75-Q10	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, WHT	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTT75-Q45	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, Y/G	1 RL	10	1	4	40	RL	89.71	78.49	69.83
HSTT75-QC	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, CLR	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTT75-T	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLK	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTT75-T2	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, RED	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTT75-T4	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, YEL	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTT75-T5	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, GRN	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTT75-T6	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLU	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTT75-T10	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, WHT	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTT75-T45	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, Y/G	1 RL	2	1	2	4	RL	473.83	421.52	396.91
HSTT75-TC	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, CLR	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTT75-Y	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT75-Y2	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT75-Y4	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT75-Y5	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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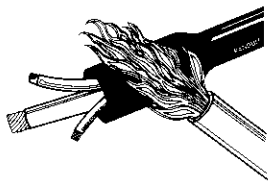
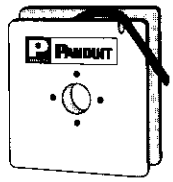
PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing



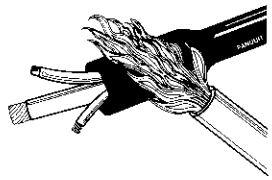
25' Reel

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTT75-Y6	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLU	1 PK	10	1	10	100	PK	$ 10.19	$ 8.92	$ 7.93
HSTT75-Y10	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT75-YC	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT75-YK1	HEAT SHRINK THIN, 3/4"(19.0MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-48-5	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLK	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTT100-48-5-2	HEAT SHRINK THIN, 1"(25.4MM) DIA, RED	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTT100-48-5-4	HEAT SHRINK THIN, 1"(25.4MM) DIA, YEL	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTT100-48-5-5	HEAT SHRINK THIN, 1"(25.4MM) DIA, GRN	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTT100-48-5-6	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLU	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTT100-48-5-10	HEAT SHRINK THIN, 1"(25.4MM) DIA, WHT	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTT100-48-5C	HEAT SHRINK THIN, 1"(25.4MM) DIA, CLR	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTT100-48-545	HEAT SHRINK THIN, 1"(25.4MM) DIA, Y/G	5 PC		25	250	500	PC	13.43	11.95	11.25
HSTT100-48-LQ	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLK	75 PC		75	150	300	PC	6.90	5.89	5.28
HSTT100-48-LQC	HEAT SHRINK THIN, 1"(25.4MM) DIA, CLR	75 PC		75	150	300	PC	6.90	5.89	5.28
HSTT100-C	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLK	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTT100-C2	HEAT SHRINK THIN, 1"(25.4MM) DIA, RED	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTT100-C4	HEAT SHRINK THIN, 1"(25.4MM) DIA, YEL	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTT100-C5	HEAT SHRINK THIN, 1"(25.4MM) DIA, GRN	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTT100-C6	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLU	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTT100-C10	HEAT SHRINK THIN, 1"(25.4MM) DIA, WHT	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTT100-C45	HEAT SHRINK THIN, 1"(25.4MM) DIA, Y/G	1 RL	2	1	2	4	RL	335.26	298.25	280.83
HSTT100-CC	HEAT SHRINK THIN, 1"(25.4MM) DIA, CLR	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTT100-Y	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-Y2	HEAT SHRINK THIN, 1"(25.4MM) DIA, RED	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-Y4	HEAT SHRINK THIN, 1"(25.4MM) DIA, YEL	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-Y5	HEAT SHRINK THIN, 1"(25.4MM) DIA, GRN	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-Y6	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLU	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-Y10	HEAT SHRINK THIN, 1"(25.4MM) DIA, WHT	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-YC	HEAT SHRINK THIN, 1"(25.4MM) DIA, CLR	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT100-YK1	HEAT SHRINK THIN, 1"(25.4MM) DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTT150-48-5	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, BLK	5 PC		5	50	100	PC	14.34	12.75	12.01
HSTT150-48-5-2	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, RED	5 PC		5	50	100	PC	14.34	12.75	12.01
HSTT150-48-5-4	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, YEL	5 PC		5	50	100	PC	14.34	12.75	12.01
HSTT150-48-5-6	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, BLU	5 PC		5	50	100	PC	14.34	12.75	12.01
HSTT150-48-5-10	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, WHT	5 PC		5	50	100	PC	14.34	12.75	12.01
HSTT150-48-5C	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, CLR	5 PC		5	50	100	PC	14.34	12.75	12.01
HSTT150-C	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, BLK	1 RL	2	1	2	4	RL	357.17	317.74	299.19
HSTT150-C2	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, RED	1 RL	2	1	2	4	RL	357.17	317.74	299.19
HSTT150-C4	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, YEL	1 RL	2	1	2	4	RL	357.17	317.74	299.19
HSTT150-C6	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, BLU	1 RL	2	1	2	4	RL	357.17	317.74	299.19
HSTT150-C10	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, WHT	1 RL	2	1	2	4	RL	357.17	317.74	299.19
HSTT150-CC	HEAT SHRINK THIN, 1 1/2"(38.1MM) DIA, CLR	1 RL	2	1	2	4	RL	357.17	317.74	299.19
HSTT200-48-5	HEAT SHRINK THIN, 2"(50.8MM) DIA, BLK	5 PC		5	50	100	PC	22.59	20.10	18.92
HSTT200-48-5-2	HEAT SHRINK THIN, 2"(50.8MM) DIA, RED	5 PC		5	50	100	PC	22.59	20.10	18.92
HSTT200-48-5-4	HEAT SHRINK THIN, 2"(50.8MM) DIA, YEL	5 PC		5	50	100	PC	22.59	20.10	18.92
HSTT200-48-5-6	HEAT SHRINK THIN, 2"(50.8MM) DIA, BLU	5 PC		5	50	100	PC	22.59	20.10	18.92
HSTT200-48-5-10	HEAT SHRINK THIN, 2"(50.8MM) DIA, WHT	5 PC		5	50	100	PC	22.59	20.10	18.92
HSTT200-48-5C	HEAT SHRINK THIN, 2"(50.8MM) DIA, CLR	5 PC		5	50	100	PC	22.59	20.10	18.92
HSTT200-L	HEAT SHRINK THIN, 2"(50.8MM) DIA, BLK	1 RL	2	1	2	4	RL	246.75	219.52	206.70
HSTT200-L2	HEAT SHRINK THIN, 2"(50.8MM) DIA, RED	1 RL	2	1	2	4	RL	246.75	219.52	206.70
HSTT200-L4	HEAT SHRINK THIN, 2"(50.8MM) DIA, YEL	1 RL	2	1	2	4	RL	246.75	219.52	206.70
HSTT200-L6	HEAT SHRINK THIN, 2"(50.8MM) DIA, BLU	1 RL	2	1	2	4	RL	246.75	219.52	206.70
HSTT200-L10	HEAT SHRINK THIN, 2"(50.8MM) DIA, WHT	1 RL	2	1	2	4	RL	246.75	219.52	206.70
HSTT200-LC	HEAT SHRINK THIN, 2"(50.8MM) DIA, CLR	1 RL	2	1	2	4	RL	246.75	219.52	206.70
HSTT300-48-2	HEAT SHRINK THIN, 3"(76.2MM) DIA, BLK	2 PC		1	2	20	PC	55.65	48.69	43.32

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

Effective Date: March 23, 2000

PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTT300-48-2C	HEAT SHRINK THIN, 3"(76.2MM) DIA, CLR	2 PC		1	2	20	PC	$ 55.65	$ 48.69	$ 43.32
HSTT300-L	HEAT SHRINK THIN, 3"(76.2MM) DIA, BLK	1 RL	1	1	2	4	RL	473.33	421.08	396.49
HSTT400-48-2	HEAT SHRINK THIN, 4"(101.6MM) DIA, BLK	2 PC		1	2	20	PC	72.30	63.26	56.28
HSTT400-48-2C	HEAT SHRINK THIN, 4"(101.6MM) DIA, CLR	2 PC		1	2	20	PC	72.30	63.26	56.28
HSTT400-L	HEAT SHRINK THIN, 4"(101.6MM) DIA, BLK	1 RL	1	1	2	4	RL	663.71	590.44	555.96
HSTTA19-48-Q	HT SHRINK THIN ADH, 3/16"(4.8MM)DIA, BLK	25 PC		1	25	250	PC	8.38	7.33	6.52
HSTTA19-Y	HT SHRINK THIN ADH, 3/16"(4.8MM)DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTA25-48-Q	HT SHRINK THIN ADH, 1/4"(6.4MM)DIA, BLK	25 PC		1	25	250	PC	10.30	9.01	8.01
HSTTA25-48-TL	HT SHRINK THIN ADH, 1/4"(6.4MM)DIA, BLK	250 PC		250	500	1000	PC	8.28	7.06	6.33
HSTTA25-Y	HT SHRINK THIN ADH, 1/4"(6.4MM)DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTA38-48-Q	HT SHRINK THIN ADH, 3/8"(9.5MM)DIA, BLK	25 PC		1	25	250	PC	11.65	10.19	9.07
HSTTA38-48-TL	HT SHRINK THIN ADH, 3/8"(9.5MM)DIA, BLK	250 PC		250	500	1000	PC	9.50	8.11	7.27
HSTTA38-Y	HT SHRINK THIN ADH, 3/8"(9.5MM)DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTA50-48-5	HT SHRINK THIN ADH, 1/2"(12.7MM)DIA, BLK	5 PC		1	5	50	PC	13.62	11.92	10.60
HSTTA50-48-T	HT SHRINK THIN ADH, 1/2"(12.7MM)DIA, BLK	200 PC		200	400	800	PC	6.90	5.89	5.28
HSTTA50-Y	HT SHRINK THIN ADH, 1/2"(12.7MM)DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTA75-48-5	HT SHRINK THIN ADH, 3/4"(19.0MM)DIA, BLK	5 PC		1	5	50	PC	19.32	16.91	15.04
HSTTA75-48-C	HT SHRINK THIN ADH, 3/4"(19.0MM)DIA, BLK	100 PC		100	200	400	PC	14.57	12.43	11.14
HSTTA75-Y	HT SHRINK THIN ADH, 3/4"(19.0MM)DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTA100-48-5	HT SHRINK THIN ADH, 1"(25.4MM)DIA, BLK	5 PC		1	5	50	PC	28.34	24.79	22.06
HSTTA100-48-L	HT SHRINK THIN ADH, 1"(25.4MM)DIA, BLK	50 PC		50	100	200	PC	19.72	16.82	15.08
HSTTA100-Y	HT SHRINK THIN ADH, 1"(25.4MM)DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTA150-48-5	HT SHRINK THIN ADH, 1.5"(38.1MM)DIA, BLK	5 PC		1	5	50	PC	44.70	39.12	34.80
HSTTA150-48-Q	HT SHRINK THIN ADH, 1.5"(38.1MM)DIA, BLK	25 PC		1	25	250	PC	37.84	33.11	29.46
HSTTA150-Y	HT SHRINK THIN ADH, 1.5"(38.1MM)DIA, BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTD05-48-Q	HEAT SHRINK HEADER LABEL, 3/64" DIA, BLK	25 PC		25	250	500	PC	1.72	1.53	1.44
HSTTD05-48-Q2	HEAT SHRINK HEADER LABEL, 3/64" DIA, RED	25 PC		25	250	500	PC	1.72	1.53	1.44
HSTTD05-48-Q4	HEAT SHRINK HEADER LABEL, 3/64" DIA, YEL	25 PC		25	250	500	PC	1.72	1.53	1.44
HSTTD05-48-Q5	HEAT SHRINK HEADER LABEL, 3/64" DIA, GRN	25 PC		25	250	500	PC	1.72	1.53	1.44
HSTTD05-48-Q6	HEAT SHRINK HEADER LABEL, 3/64" DIA, BLU	25 PC		25	250	500	PC	1.72	1.53	1.44
HSTTD05-48-Q10	HEAT SHRINK HEADER LABEL, 3/64" DIA, WHT	25 PC		25	250	500	PC	1.72	1.53	1.44
HSTTD05-48-QC	HEAT SHRINK HEADER LABEL, 3/64" DIA, CLR	25 PC		25	250	500	PC	1.72	1.53	1.44
HSTTD06-48-Q	HEAT SHRINK HEADER LABEL, 1/16" DIA, BLK	25 PC		25	250	500	PC	1.76	1.56	1.47
HSTTD06-48-Q2	HEAT SHRINK HEADER LABEL, 1/16" DIA, RED	25 PC		25	250	500	PC	1.76	1.56	1.47
HSTTD06-48-Q4	HEAT SHRINK HEADER LABEL, 1/16" DIA, YEL	25 PC		25	250	500	PC	1.76	1.56	1.47
HSTTD06-48-Q5	HEAT SHRINK HEADER LABEL, 1/16" DIA, GRN	25 PC		25	250	500	PC	1.76	1.56	1.47
HSTTD06-48-Q6	HEAT SHRINK HEADER LABEL, 1/16" DIA, BLU	25 PC		25	250	500	PC	1.76	1.56	1.47
HSTTD06-48-Q10	HEAT SHRINK HEADER LABEL, 1/16" DIA, WHT	25 PC		25	250	500	PC	1.76	1.56	1.47
HSTTD06-48-QC	HEAT SHRINK HEADER LABEL, 1/16" DIA, CLR	25 PC		25	250	500	PC	1.76	1.56	1.47
HSTTD09-48-Q	HEAT SHRINK HEADER LABEL, 3/32" DIA, BLK	25 PC		25	250	500	PC	1.99	1.77	1.66
HSTTD09-48-Q2	HEAT SHRINK HEADER LABEL, 3/32" DIA, RED	25 PC		25	250	500	PC	1.99	1.77	1.66
HSTTD09-48-Q4	HEAT SHRINK HEADER LABEL, 3/32" DIA, YEL	25 PC		25	250	500	PC	1.99	1.77	1.66
HSTTD09-48-Q5	HEAT SHRINK HEADER LABEL, 3/32" DIA, GRN	25 PC		25	250	500	PC	1.99	1.77	1.66
HSTTD09-48-Q6	HEAT SHRINK HEADER LABEL, 3/32" DIA, BLU	25 PC		25	250	500	PC	1.99	1.77	1.66
HSTTD09-48-Q10	HEAT SHRINK HEADER LABEL, 3/32" DIA, WHT	25 PC		25	250	500	PC	1.99	1.77	1.66
HSTTD09-48-QC	HEAT SHRINK HEADER LABEL, 3/32" DIA, CLR	25 PC		25	250	500	PC	1.99	1.77	1.66
HSTTD12-48-Q	HEAT SHRINK HEADER LABEL, 1/8" DIA, BLK	25 PC		25	250	500	PC	2.11	1.88	1.77
HSTTD12-48-Q2	HEAT SHRINK HEADER LABEL, 1/8" DIA, RED	25 PC		25	250	500	PC	2.11	1.88	1.77
HSTTD12-48-Q4	HEAT SHRINK HEADER LABEL, 1/8" DIA, YEL	25 PC		25	250	500	PC	2.11	1.88	1.77
HSTTD12-48-Q5	HEAT SHRINK HEADER LABEL, 1/8" DIA, GRN	25 PC		25	250	500	PC	2.11	1.88	1.77
HSTTD12-48-Q6	HEAT SHRINK HEADER LABEL, 1/8" DIA, BLU	25 PC		25	250	500	PC	2.11	1.88	1.77
HSTTD12-48-Q10	HEAT SHRINK HEADER LABEL, 1/8" DIA, WHT	25 PC		25	250	500	PC	2.11	1.88	1.77
HSTTD12-48-QC	HEAT SHRINK HEADER LABEL, 1/8" DIA, CLR	25 PC		25	250	500	PC	2.11	1.88	1.77
HSTTD19-48-Q	HEAT SHRINK HEADER LABEL, 3/16" DIA, BLK	25 PC		25	250	500	PC	2.56	2.27	2.14
HSTTD19-48-Q2	HEAT SHRINK HEADER LABEL, 3/16" DIA, RED	25 PC		25	250	500	PC	2.56	2.27	2.14

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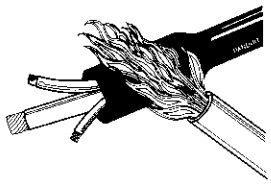

Heat Shrink Tubing

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTTD19-48-Q4	HEAT SHRINK HEADER LABEL, 3/16" DIA, YEL	25 PC		25	250	500	PC	$ 2.56	$ 2.27	$ 2.14
HSTTD19-48-Q5	HEAT SHRINK HEADER LABEL, 3/16" DIA, GRN	25 PC		25	250	500	PC	2.56	2.27	2.14
HSTTD19-48-Q6	HEAT SHRINK HEADER LABEL, 3/16" DIA, BLU	25 PC		25	250	500	PC	2.56	2.27	2.14
HSTTD19-48-Q10	HEAT SHRINK HEADER LABEL, 3/16" DIA, WHT	25 PC		25	250	500	PC	2.56	2.27	2.14
HSTTD19-48-QC	HEAT SHRINK HEADER LABEL, 3/16" DIA, CLR	25 PC		25	250	500	PC	2.56	2.27	2.14
HSTTD25-48-Q	HEAT SHRINK HEADER LABEL, 1/4" DIA, BLK	25 PC		25	250	500	PC	3.17	2.82	2.66
HSTTD25-48-Q2	HEAT SHRINK HEADER LABEL, 1/4" DIA, RED	25 PC		25	250	500	PC	3.17	2.82	2.66
HSTTD25-48-Q4	HEAT SHRINK HEADER LABEL, 1/4" DIA, YEL	25 PC		25	250	500	PC	3.17	2.82	2.66
HSTTD25-48-Q5	HEAT SHRINK HEADER LABEL, 1/4" DIA, GRN	25 PC		25	250	500	PC	3.17	2.82	2.66
HSTTD25-48-Q6	HEAT SHRINK HEADER LABEL, 1/4" DIA, BLU	25 PC		25	250	500	PC	3.17	2.82	2.66
HSTTD25-48-Q10	HEAT SHRINK HEADER LABEL, 1/4" DIA, WHT	25 PC		25	250	500	PC	3.17	2.82	2.66
HSTTD25-48-QC	HEAT SHRINK HEADER LABEL, 1/4" DIA, CLR	25 PC		25	250	500	PC	3.17	2.82	2.66
HSTTD38-48-Q	HEAT SHRINK HEADER LABEL, 3/8" DIA, BLK	25 PC		25	250	500	PC	3.56	3.16	2.98
HSTTD38-48-Q2	HEAT SHRINK HEADER LABEL, 3/8" DIA, RED	25 PC		25	250	500	PC	3.56	3.16	2.98
HSTTD38-48-Q4	HEAT SHRINK HEADER LABEL, 3/8" DIA, YEL	25 PC		25	250	500	PC	3.56	3.16	2.98
HSTTD38-48-Q5	HEAT SHRINK HEADER LABEL, 3/8" DIA, GRN	25 PC		25	250	500	PC	3.56	3.16	2.98
HSTTD38-48-Q6	HEAT SHRINK HEADER LABEL, 3/8" DIA, BLU	25 PC		25	250	500	PC	3.56	3.16	2.98
HSTTD38-48-Q10	HEAT SHRINK HEADER LABEL, 3/8" DIA, WHT	25 PC		25	250	500	PC	3.56	3.16	2.98
HSTTD38-48-QC	HEAT SHRINK HEADER LABEL, 3/8" DIA, CLR	25 PC		25	250	500	PC	3.56	3.16	2.98
HSTTD50-48-5	HEAT SHRINK HEADER LABEL, 1/2" DIA, BLK	5 PC		5	50	100	PC	4.02	3.58	3.37
HSTTD50-48-5-2	HEAT SHRINK HEADER LABEL, 1/2" DIA, RED	5 PC		5	50	100	PC	4.02	3.58	3.37
HSTTD50-48-5-4	HEAT SHRINK HEADER LABEL, 1/2" DIA, YEL	5 PC		5	50	100	PC	4.02	3.58	3.37
HSTTD50-48-5-5	HEAT SHRINK HEADER LABEL, 1/2" DIA, GRN	5 PC		5	50	100	PC	4.02	3.58	3.37
HSTTD50-48-5-6	HEAT SHRINK HEADER LABEL, 1/2" DIA, BLU	5 PC		5	50	100	PC	4.02	3.58	3.37
HSTTD50-48-5-10	HEAT SHRINK HEADER LABEL, 1/2" DIA, WHT	5 PC		5	50	100	PC	4.02	3.58	3.37
HSTTD50-48-5C	HEAT SHRINK HEADER LABEL, 1/2" DIA, CLR	5 PC		5	50	100	PC	4.02	3.58	3.37
HSTTD75-48-5	HEAT SHRINK HEADER LABEL, 3/4" DIA, BLK	5 PC		5	50	100	PC	5.39	4.80	4.52
HSTTD75-48-5-2	HEAT SHRINK HEADER LABEL, 3/4" DIA, RED	5 PC		5	50	100	PC	5.39	4.80	4.52
HSTTD75-48-5-4	HEAT SHRINK HEADER LABEL, 3/4" DIA, YEL	5 PC		5	50	100	PC	5.39	4.80	4.52
HSTTD75-48-5-5	HEAT SHRINK HEADER LABEL, 3/4" DIA, GRN	5 PC		5	50	100	PC	5.39	4.80	4.52
HSTTD75-48-5-6	HEAT SHRINK HEADER LABEL, 3/4" DIA, BLU	5 PC		5	50	100	PC	5.39	4.80	4.52
HSTTD75-48-5-10	HEAT SHRINK HEADER LABEL, 3/4" DIA, WHT	5 PC		5	50	100	PC	5.39	4.80	4.52
HSTTD75-48-5C	HEAT SHRINK HEADER LABEL, 3/4" DIA, CLR	5 PC		5	50	100	PC	5.39	4.80	4.52
HSTTD100-48-5	HEAT SHRINK HEADER LABEL, 1" DIA, BLK	5 PC		5	50	100	PC	8.05	7.17	6.75
HSTTD100-48-5-2	HEAT SHRINK HEADER LABEL, 1" DIA, RED	5 PC		5	50	100	PC	8.05	7.17	6.75
HSTTD100-48-5-4	HEAT SHRINK HEADER LABEL, 1" DIA, YEL	5 PC		5	50	100	PC	8.05	7.17	6.75
HSTTD100-48-5-5	HEAT SHRINK HEADER LABEL, 1" DIA, GRN	5 PC		5	50	100	PC	8.05	7.17	6.75
HSTTD100-48-5-6	HEAT SHRINK HEADER LABEL, 1" DIA, BLU	5 PC		5	50	100	PC	8.05	7.17	6.75
HSTTD100-48-5C	HEAT SHRINK HEADER LABEL, 1" DIA, CLR	5 PC		5	50	100	PC	8.05	7.17	6.75
HSTTD100-48-510	HEAT SHRINK HEADER LABEL, 1" DIA, WHT	5 PC		5	50	100	PC	8.05	7.17	6.75
HSTTF03-48-Q	HEAT SHRINK THIN, FEP, 24 AWG DIA, CLR	25 PC		1	25	250	PC	4.28	3.74	3.33
HSTTF04-48-Q	HEAT SHRINK THIN, FEP, 22 AWG DIA, CLR	25 PC		1	25	250	PC	4.28	3.74	3.33
HSTTF05-48-Q	HEAT SHRINK THIN, FEP, 20 AWG DIA, CLR	25 PC		1	25	250	PC	4.28	3.74	3.33
HSTTF06-48-Q	HEAT SHRINK THIN, FEP, 18 AWG DIA, CLR	25 PC		1	25	250	PC	4.28	3.74	3.33
HSTTF08-48-Q	HEAT SHRINK THIN, FEP, 16 AWG DIA, CLR	25 PC		1	25	250	PC	4.42	3.87	3.44
HSTTF09-48-Q	HEAT SHRINK THIN, FEP, 14 AWG DIA, CLR	25 PC		1	25	250	PC	4.49	3.93	3.49
HSTTF12-48-Q	HEAT SHRINK THIN, FEP, 12 AWG DIA, CLR	25 PC		1	25	250	PC	4.65	4.07	3.62
HSTTF14-48-Q	HEAT SHRINK THIN, FEP, 10 AWG DIA, CLR	25 PC		1	25	250	PC	5.10	4.47	3.97
HSTTF16-48-Q	HEAT SHRINK THIN, FEP, 9 AWG DIA, CLR	25 PC		1	25	250	PC	6.85	5.99	5.33
HSTTF18-48-Q	HEAT SHRINK THIN, FEP, 8 AWG DIA, CLR	25 PC		1	25	250	PC	7.15	6.25	5.56
HSTTF20-48-Q	HEAT SHRINK THIN, FEP, 7 AWG DIA, CLR	25 PC		1	25	250	PC	8.50	7.44	6.62
HSTTF23-48-Q	HEAT SHRINK THIN, FEP, 6 AWG DIA, CLR	25 PC		1	25	250	PC	8.91	7.79	6.93
HSTTF25-48-Q	HEAT SHRINK THIN, FEP, 5 AWG DIA, CLR	25 PC		1	25	250	PC	9.31	8.15	7.25
HSTTF29-48-Q	HEAT SHRINK THIN, FEP, 4 AWG DIA, CLR	25 PC		1	25	250	PC	9.86	8.62	7.67
HSTTF31-48-Q	HEAT SHRINK THIN, FEP, 3 AWG DIA, CLR	25 PC		1	25	250	PC	11.48	10.04	8.93

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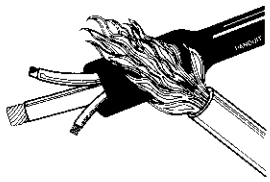
Effective Date: March 23, 2000

PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTTF36-48-Q	HEAT SHRINK THIN, FEP, 2 AWG DIA, CLR	25 PC		1	25	250	PC	$ 12.27	$ 10.73	$ 9.55
HSTTF40-48-Q	HEAT SHRINK THIN, FEP, 1 AWG DIA, CLR	25 PC		1	25	250	PC	13.90	12.17	10.82
HSTTF44-48-Q	HEAT SHRINK THIN, FEP, 0 AWG DIA, CLR	25 PC		1	25	250	PC	14.63	12.80	11.38
HSTTF50-48-5	HEAT SHRINK THIN, FEP, 1/2"(12.7MM)DIA, CLR	5 PC		1	5	50	PC	27.05	23.67	21.06
HSTTF66-48-5	HEAT SHRINK THIN, FEP, 5/8"(16.9) DIA, CLR	5 PC		1	5	50	PC	42.06	36.81	32.74
HSTTF100-48-5	HEAT SHRINK THIN, FEP, 1"(25.4) DIA, CLR	5 PC		1	5	50	PC	101.22	88.57	78.79
HSTTF133-48-2	HEAT SHRINK THIN, FEP, 1 1/3"(33.8MM) DIA,CLR	2 PC		1	2	20	PC	116.69	102.10	90.83
HSTTF200-48-2	HEAT SHRINK THIN, TFE, 2" (50.8MM) DIA, CLR	2 PC		1	2	20	PC	184.71	161.62	143.78
HSTTK05-48-Q	HEAT SHRINK THIN KYNAR* 3/64"(1.2MM) DIA	25 PC		1	25	250	PC	4.26	3.73	3.32
HSTTK06-48-Q	HEAT SHRINK THIN KYNAR* 1/16"(1.6MM) DIA	25 PC		1	25	250	PC	4.33	3.79	3.37
HSTTK09-48-Q	HEAT SHRINK THIN KYNAR* 3/32"(2.4MM) DIA	25 PC		1	25	250	PC	4.95	4.33	3.85
HSTTK12-48-Q	HEAT SHRINK THIN KYNAR* 1/8"(3.2MM) DIA	25 PC		1	25	250	PC	5.44	4.76	4.23
HSTTK19-48-Q	HEAT SHRINK THIN KYNAR* 3/16"(4.8MM) DIA	25 PC		1	25	250	PC	8.38	7.33	6.52
HSTTK25-48-Q	HEAT SHRINK THIN KYNAR* 1/4"(6.4MM) DIA	25 PC		1	25	250	PC	10.51	9.19	8.18
HSTTK38-48-Q	HEAT SHRINK THIN KYNAR* 3/8"(9.5MM) DIA	25 PC		1	25	250	PC	13.87	12.14	10.80
HSTTK50-48-5	HEAT SHRINK THIN KYNAR*, 1/2"(12.7MM) DIA	5 PC		1	5	50	PC	20.64	18.06	16.07
HSTTK75-48-5	HEAT SHRINK THIN KYNAR*, 3/4"(19.0MM) DIA	5 PC		1	5	50	PC	38.00	33.25	29.58
HSTTK100-48-5	HEAT SHRINK THIN KYNAR*, 1.0"(25.4MM) DIA	5 PC		1	5	50	PC	69.82	61.09	54.35
HSTTN25-C	HEAT SHRINK THIN NEOPRN, 1/4"(6.4MM)DIA	1 RL	2	1	2	4	RL	294.08	261.62	246.34
HSTTN38-C	HEAT SHRINK THIN NEOPRN, 3/8"(9.5MM)DIA	1 RL	2	1	2	4	RL	351.66	312.84	294.57
HSTTN50-C	HEAT SHRINK THIN NEOPRN, 1/2"(12.7MM)DIA	1 RL	2	1	2	4	RL	391.01	347.84	327.53
HSTTN50-Q	HEAT SHRINK THIN NEOPRN, 1/2"(12.7MM)DIA	1 RL	10	1	4	40	RL	122.21	106.94	95.13
HSTTN63-C	HEAT SHRINK THIN NEOPRN, 5/8"(15.9MM)DIA	1 RL	2	1	2	4	RL	439.53	391.01	368.18
HSTTN75-C	HEAT SHRINK THIN NEOPRN, 3/4"(19.0MM)DIA	1 RL	2	1	2	4	RL	489.03	435.04	409.64
HSTTN88-C	HEAT SHRINK THIN NEOPRN, 7/8"(22.2MM)DIA	1 RL	2	1	2	4	RL	546.61	486.27	457.87
HSTTN100-C	HEAT SHRINK THIN NEOPRN, 1"(25.4MM)DIA	1 RL	2	1	2	4	RL	596.41	530.57	499.59
HSTTN125-C	HEAT SHRINK THIN NEOPRN, 1 1/4"(31.8MM)DIA	1 RL	2	1	2	4	RL	827.04	735.74	692.78
HSTTN150-C	HEAT SHRINK THIN NEOPRN, 1 1/2"(38.1MM)DIA	1 RL	2	1	2	4	RL	965.84	859.22	809.05
HSTTN175-C	HEAT SHRINK THIN NEOPRN, 1 3/4"(44.5MM)DIA	1 RL	2	1	2	4	RL	1180.93	1050.57	989.22
HSTTN200-Q	HEAT SHRINK THIN NEOPRN, 2"(50.8MM)DIA	1 RL	2	1	4	40	RL	429.79	376.07	334.55
HSTTN300-Q	HEAT SHRINK THIN NEOPRN, 3"(76.2MM)DIA	1 RL	2	1	4	40	RL	656.11	574.10	510.72
HSTTP05-C	HEAT SHRINK THIN PVC, 3/64"(1.2MM) DIA BLK	1 RL	2	1	4	40	RL	37.31	32.65	29.04
HSTTP05-M	HEAT SHRINK THIN PVC, 3/64"(1.2MM) DIA BLK	1 RL	2	1	2	4	RL	283.14	251.89	237.18
HSTTP05-Q	HEAT SHRINK THIN PVC, 3/64"(1.2MM) DIA BLK	1 RL	10	1	4	40	RL	11.93	10.44	9.29
HSTTP06-C	HEAT SHRINK THIN PVC, 1/16"(1.6MM) DIA BLK	1 RL	2	1	4	40	RL	40.16	35.14	31.26
HSTTP06-M	HEAT SHRINK THIN PVC, 1/16"(1.6MM) DIA BLK	1 RL	2	1	2	4	RL	288.69	256.82	241.82
HSTTP06-Q	HEAT SHRINK THIN PVC, 1/16"(1.6MM) DIA BLK	1 RL	10	1	4	40	RL	12.36	10.81	9.62
HSTTP09-C	HEAT SHRINK THIN PVC, 3/32"(2.4MM) DIA BLK	1 RL	2	1	4	40	RL	45.30	39.64	35.26
HSTTP09-M	HEAT SHRINK THIN PVC, 3/32"(2.4MM) DIA BLK	1 RL	2	1	2	4	RL	333.10	296.33	279.03
HSTTP09-Q	HEAT SHRINK THIN PVC, 3/32"(2.4MM) DIA BLK	1 RL	10	1	4	40	RL	12.76	11.17	9.93
HSTTP12-C	HEAT SHRINK THIN PVC, 1/8"(3.2MM) DIA BLK	1 RL	2	1	4	40	RL	47.96	41.97	37.33
HSTTP12-M	HEAT SHRINK THIN PVC, 1/8"(3.2MM) DIA BLK	1 RL	2	1	2	4	RL	352.14	313.26	294.97
HSTTP12-Q	HEAT SHRINK THIN PVC, 1/8"(3.2MM) DIA BLK	1 RL	10	1	4	40	RL	13.99	12.24	10.89
HSTTP19-C	HEAT SHRINK THIN PVC, 3/16"(4.8MM) DIA BLK	1 RL	2	1	4	40	RL	58.43	51.13	45.48
HSTTP19-M	HEAT SHRINK THIN PVC, 3/16"(4.8MM) DIA BLK	1 RL	2	1	2	4	RL	428.27	381.00	358.75
HSTTP19-Q	HEAT SHRINK THIN PVC, 3/16"(4.8MM) DIA BLK	1 RL	10	1	4	40	RL	16.37	14.32	12.74
HSTTP25-C	HEAT SHRINK THIN PVC, 1/4"(6.4MM) DIA BLK	1 RL	2	1	4	40	RL	73.85	64.62	57.49
HSTTP25-D	HEAT SHRINK THIN PVC, 1/4"(6.4MM) DIA BLK	1 RL	2	1	2	4	RL	269.65	239.89	225.88
HSTTP25-Q	HEAT SHRINK THIN PVC, 1/4"(6.4MM) DIA BLK	1 RL	10	1	4	40	RL	20.56	17.99	16.00
HSTTP38-C	HEAT SHRINK THIN PVC, 3/8"(9.5MM) DIA BLK	1 RL	2	1	4	40	RL	82.03	71.78	63.86
HSTTP38-Q	HEAT SHRINK THIN PVC, 3/8"(9.5MM) DIA BLK	1 RL	10	1	4	40	RL	22.84	19.99	17.78
HSTTP38-T	HEAT SHRINK THIN PVC, 3/8"(9.5MM) DIA BLK	1 RL	2	1	2	4	RL	134.04	119.24	112.28
HSTTP50-C	HEAT SHRINK THIN PVC, 1/2"(12.7MM) DIA BLK	1 RL	2	1	4	40	RL	92.51	80.94	72.01
HSTTP50-Q	HEAT SHRINK THIN PVC, 1/2"(12.7MM) DIA BLK	1 RL	10	1	4	40	RL	25.71	22.50	20.02
HSTTP75-C	HEAT SHRINK THIN PVC, 3/4"(19.0MM) DIA BLK	1 RL	2	1	4	40	RL	123.90	108.42	96.45

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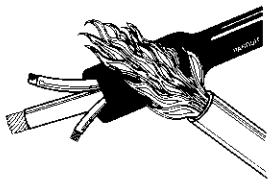
PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTTP75-Q	HEAT SHRINK THIN PVC, 3/4"(19.0MM) DIA BLK	1 RL	10	1	4	40	RL	$ 34.65	$ 30.32	$ 26.98
HSTTP100-C	HEAT SHRINK THIN PVC, 1"(25.4MM) DIA BLK	1 RL	2	1	4	40	RL	244.52	213.95	190.33
HSTTP100-Q	HEAT SHRINK THIN PVC, 1"(25.4MM) DIA BLK	1 RL	2	1	4	40	RL	65.93	57.69	51.32
HSTTP150-C	HEAT SHRINK THIN PVC, 1 1/2"(38.1MM) DIA BLK	1 RL	2	1	4	40	RL	327.20	286.30	254.70
HSTTP150-Q	HEAT SHRINK THIN PVC, 1 1/2"(38.1MM) DIA BLK	1 RL	2	1	4	40	RL	97.82	85.59	76.14
HSTTP200-Q	HEAT SHRINK THIN PVC, 2"(50.8MM) DIA BLK	1 RL	2	1	4	40	RL	142.03	124.28	110.56
HSTTP200-X	HEAT SHRINK THIN PVC, 2"(50.8MM) DIA BLK	1 RL	2	1	4	40	RL	52.54	45.97	40.89
HSTTR05-48-Q	HS THIN SEMI-RIGID, 3/64"(1.2MM) DIA, BLK	25 PC		1	25	250	PC	2.09	1.83	1.63
HSTTR06-48-Q	HS THIN SEMI-RIGID, 1/16"(1.6MM) DIA, BLK	25 PC		1	25	250	PC	2.16	1.89	1.69
HSTTR09-48-Q	HS THIN SEMI-RIGID, 3/32"(2.4MM) DIA, BLK	25 PC		1	25	250	PC	2.48	2.17	1.93
HSTTR12-48-Q	HS THIN SEMI-RIGID, 1/8"(3.2MM) DIA, BLK	25 PC		1	25	250	PC	2.64	2.31	2.06
HSTTR19-48-Q	HS THIN SEMI-RIGID, 3/16"(4.8MM) DIA, BLK	25 PC		1	25	250	PC	3.24	2.83	2.52
HSTTR25-48-Q	HS THIN SEMI-RIGID, 1/4"(6.4MM) DIA, BLK	25 PC		1	25	250	PC	4.03	3.53	3.14
HSTTR38-48-Q	HS THIN SEMI-RIGID, 3/8"(9.5MM) DIA, BLK	25 PC		1	25	250	PC	4.49	3.93	3.49
HSTTR50-48-5	HS THIN SEMI-RIGID, 1/2"(12.7MM) DIA, BLK	5 PC		1	5	50	PC	5.61	4.91	4.37
HSTTR75-48-5	HS THIN SEMI-RIGID, 3/4"(19.0MM), DIA, BLK	5 PC		1	5	50	PC	7.62	6.67	5.93
HSTTR100-48-5	HS THIN SEMI-RIGID, 1"(25.4MM) DIA, BLK	5 PC		1	5	50	PC	9.91	8.67	7.71
HSTTRA12-48-Q	HS THIN SEMI-RIGID, AHD 1/8"(3.2MM) DIA, BLK	25 PC		1	25	250	PC	6.18	5.41	4.81
HSTTRA19-48-Q	HS THIN SEMI-RIGID, AHD 3/16"(4.8) DIA, BLK	25 PC		1	25	250	PC	7.53	6.59	5.86
HSTTRA25-48-Q	HS THIN SEMI-RIGID, AHD 1/4"(6.4) DIA, BLK	25 PC		1	25	250	PC	9.36	8.19	7.29
HSTTRA38-48-Q	HS THIN SEMI-RIGID, AHD 3/8"(9.5) DIA, BLK	25 PC		1	25	250	PC	10.42	9.12	8.11
HSTTRA50-48-5	HS THIN SEMI-RIGID, AHD 1/2"(12.7) DIA, BLK	5 PC		1	5	50	PC	12.32	10.78	9.59
HSTTRA75-48-5	HS THIN SEMI-RIGID, AHD 3/4"(19.0) DIA, BLK	5 PC		1	5	50	PC	19.04	16.66	14.82
HSTTRA100-48-5	HS THIN SEMI-RIGID, AHD 1"(25.4) DIA, BLK	5 PC		1	5	50	PC	27.19	23.79	21.17
HSTTT03-48-Q	HEAT SHRINK THIN, TFE, 30 AWG DIA, CLR	25 PC		1	25	250	PC	7.99	6.99	6.22
HSTTT04-48-Q	HEAT SHRINK THIN, TFE, 28 AWG DIA, CLR	25 PC		1	25	250	PC	7.53	6.59	5.86
HSTTT4X08-48-Q	HS THIN,TFE,4:1, 5/64"(2.0MM) DIA, CLR	25 PC		1	25	250	PC	14.52	12.71	11.30
HSTTT4X12-48-Q	HS THIN,TFE,4:1, 1/8"(3.2MM) DIA, CLR	25 PC		1	25	250	PC	9.75	8.53	7.59
HSTTT4X25-48-Q	HS THIN,TFE,4:1, 1/4"(6.4MM) DIA, CLR	25 PC		1	25	250	PC	11.93	10.44	9.29
HSTTT4X38-48-Q	HS THIN,TFE,4:1, 3/8"(9.5MM) DIA, CLR	25 PC		1	25	250	PC	14.82	12.97	11.54
HSTTT4X50-48-5	HS THIN,TFE,4:1, 1/2"(12.7MM) DIA, CLR	5 PC		1	5	50	PC	27.84	24.36	21.67
HSTTT4X63-48-5	HS THIN,TFE,4:1, 5/8"(15.9MM) DIA, CLR	5 PC		1	5	50	PC	36.10	31.59	28.10
HSTTT4X75-48-5	HS THIN,TFE,4:1, 3/4"(19.1MM) DIA, CLR	5 PC		1	5	50	PC	43.26	37.85	33.67
HSTTT4X88-48-5	HS THIN,TFE,4:1, 7/8"(22.2MM) DIA, CLR	5 PC		1	5	50	PC	51.88	45.40	40.39
HSTTT4X100-48-5	HS THIN,TFE,4:1, 1"(25.4MM) DIA, CLR	5 PC		1	5	50	PC	54.86	48.00	42.70
HSTTT4X125-48-5	HS THIN,TFE,4:1, 1 1/4"(31.8MM) DIA, CLR	5 PC		1	5	50	PC	77.92	68.18	60.65
HSTTT05-48-Q	HEAT SHRINK THIN, TFE, 24 AWG DIA, CLR	25 PC		1	25	250	PC	6.16	5.39	4.80
HSTTT06-48-Q	HEAT SHRINK THIN, TFE, 20 AWG DIA, CLR	25 PC		1	25	250	PC	6.34	5.54	4.93
HSTTT08-48-Q	HEAT SHRINK THIN, TFE, 18 AWG DIA, CLR	25 PC		1	25	250	PC	6.72	5.88	5.23
HSTTT09-48-Q	HEAT SHRINK THIN, TFE, 16 AWG DIA, CLR	25 PC		1	25	250	PC	7.08	6.19	5.51
HSTTT12-48-Q	HEAT SHRINK THIN, TFE, 14 AWG DIA, CLR	25 PC		1	25	250	PC	7.32	6.41	5.70
HSTTT15-48-Q	HEAT SHRINK THIN, TFE, 12 AWG DIA, CLR	25 PC		1	25	250	PC	8.06	7.05	6.27
HSTTT19-48-Q	HEAT SHRINK THIN, TFE, 10 AWG DIA, CLR	25 PC		1	25	250	PC	9.31	8.15	7.25
HSTTT24-48-Q	HEAT SHRINK THIN, TFE, 8 AWG DIA, CLR	25 PC		1	25	250	PC	16.09	14.08	12.52
HSTTT30-48-Q	HEAT SHRINK THIN, TFE, 6 AWG DIA, CLR	25 PC		1	25	250	PC	18.62	16.29	14.49
HSTTT37-48-Q	HEAT SHRINK THIN, TFE, 4 AWG DIA, CLR	25 PC		1	25	250	PC	21.08	18.45	16.41
HSTTT43-48-Q	HEAT SHRINK THIN, TFE, 2 AWG DIA, CLR	25 PC		1	25	250	PC	25.33	22.16	19.71
HSTTT046-48-Q	HEAT SHRINK THIN, TFE, 26 AWG DIA, CLR	25 PC		1	25	250	PC	7.34	6.42	5.71
HSTTT47-48-Q	HEAT SHRINK THIN, TFE, 0 AWG DIA, CLR	25 PC		1	25	250	PC	30.57	26.75	23.80
HSTTT055-48-Q	HEAT SHRINK THIN, TFE, 22 AWG DIA, CLR	25 PC		1	25	250	PC	6.25	5.47	4.86
HSTTT56-48-5	HEAT SHRINK THIN,TFE,9/16"(14.2MM)DIA	5 PC		1	5	50	PC	54.45	47.65	42.39
HSTTT66-48-5	HEAT SHRINK THIN, TFE, 5/8"(16.6MM) DIA	5 PC		1	5	50	PC	62.71	54.87	48.81
HSTTT75-48-5	HEAT SHRINK THIN, TFE, 3/4"(19.0MM) DIA	5 PC		1	5	50	PC	74.71	65.37	58.16
HSTTT93-48-5	HEAT SHRINK THIN,TFE,15/16"(23.6MM) DIA	5 PC		1	5	50	PC	101.57	88.87	79.06
HSTTT112-48-5	HEAT SHRINK THIN,TFE, 1 1/8"(28.6MM) DIA	5 PC		1	5	50	PC	137.47	120.29	107.01

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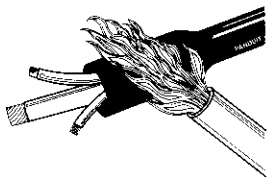
PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTTT131-48-2	HEAT SHRINK THIN,TFE,1 5/16"(33.3MM) DIA	2 PC		1	2	20	PC	$ 179.01	$ 156.63	$ 139.34
HSTTT150-48-2	HEAT SHRINK THIN,TFE, 1 1/2"(38.1MM) DIA	2 PC		1	2	20	PC	208.30	182.26	162.14
HSTTV05-48-Q	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA, BLK	25 PC		25	250	500	PC	1.60	1.42	1.34
HSTTV05-48-TL	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA, BLK	250 PC		250	500	1000	PC	1.50	1.28	1.14
HSTTV05-C	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,BLK	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTTV05-M	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,BLK	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTTV05-M2	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,RED	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTTV05-M4	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,YEL	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTTV05-M6	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,BLU	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTTV05-M10	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,WHT	1 RL	2	1	2	4	RL	430.28	382.78	360.43
HSTTV05-Q	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,BLK	1 RL	10	1	4	40	RL	16.21	14.18	12.62
HSTTV05-Y	HEAT SHRINK THIN VW-1,3/64"(1.2MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV06-48-Q	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,BLK	25 PC		25	250	500	PC	1.63	1.45	1.37
HSTTV06-48-TL	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,BLK	250 PC		250	500	1000	PC	1.60	1.36	1.22
HSTTV06-C	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,BLK	1 RL	10	1	2	4	RL	45.57	40.54	38.17
HSTTV06-M	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,BLK	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTTV06-M2	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,RED	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTTV06-M4	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,YEL	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTTV06-M6	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,BLU	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTTV06-M10	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,WHT	1 RL	2	1	2	4	RL	438.90	390.45	367.65
HSTTV06-Q	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,BLK	1 RL	10	1	4	40	RL	16.51	14.45	12.85
HSTTV06-Y	HEAT SHRINK THIN VW-1, 1/16"(1.6MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV09-48-Q	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,BLK	25 PC		25	250	500	PC	1.86	1.66	1.56
HSTTV09-48-TL	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,BLK	250 PC		250	500	1000	PC	1.77	1.51	1.35
HSTTV09-C	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,BLK	1 RL	10	1	2	4	RL	47.86	42.58	40.09
HSTTV09-M	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,BLK	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTTV09-M2	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,RED	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTTV09-M4	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,YEL	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTTV09-M6	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,BLU	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTTV09-M10	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,WHT	1 RL	2	1	2	4	RL	464.85	413.53	389.39
HSTTV09-Q	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,BLK	1 RL	10	1	4	40	RL	18.57	16.25	14.45
HSTTV09-Y	HEAT SHRINK THIN VW-1, 3/32"(2.4MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV12-48-Q	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,BLK	25 PC		25	250	500	PC	1.97	1.75	1.65
HSTTV12-48-TL	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,BLK	250 PC		250	500	1000	PC	1.90	1.62	1.46
HSTTV12-C	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,BLK	1 RL	10	1	2	4	RL	51.11	45.47	42.82
HSTTV12-M	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,BLK	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTTV12-M2	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,RED	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTTV12-M4	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,YEL	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTTV12-M6	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,BLU	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTTV12-M10	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,WHT	1 RL	2	1	2	4	RL	501.09	445.77	419.74
HSTTV12-Q	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,BLK	1 RL	10	1	4	40	RL	19.73	17.26	15.36
HSTTV12-Y	HEAT SHRINK THIN VW-1, 1/8"(3.2MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV19-48-Q	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,BLK	25 PC		25	250	500	PC	2.39	2.12	2.00
HSTTV19-48-TL	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,BLK	250 PC		250	500	1000	PC	2.33	1.99	1.78
HSTTV19-C	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,BLK	1 RL	10	1	2	4	RL	60.83	54.12	50.96
HSTTV19-M	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,BLK	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTTV19-M2	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,RED	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTTV19-M4	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,YEL	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTTV19-M6	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,BLU	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTTV19-M10	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,WHT	1 RL	2	1	2	4	RL	609.78	542.47	510.79
HSTTV19-Q	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,BLK	1 RL	10	1	4	40	RL	23.78	20.81	18.51
HSTTV19-Y	HEAT SHRINK THIN VW-1, 3/16"(4.8MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV25-48-Q	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,BLK	25 PC		25	250	500	PC	3.02	2.69	2.53
HSTTV25-48-TL	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,BLK	250 PC		250	500	1000	PC	2.91	2.48	2.22
HSTTV25-C	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,BLK	1 RL	10	1	2	4	RL	75.46	67.13	63.21

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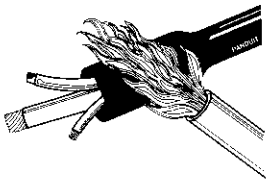
PANDUIT® Heat Shrink and Insulation Products



Heat Shrink Tubing

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTTV25-D	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,BLK	1 RL	2	1	2	4	RL	$ 378.16	$ 336.42	$ 316.77
HSTTV25-D2	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,RED	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTTV25-D4	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,YEL	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTTV25-D6	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,BLU	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTTV25-D10	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,WHT	1 RL	2	1	2	4	RL	378.16	336.42	316.77
HSTTV25-Q	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,BLK	1 RL	10	1	4	40	PC	29.09	25.46	22.65
HSTTV25-Y	HEAT SHRINK THIN VW-1, 1/4"(6.4MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV38-48-Q	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,BLK	25 PC		25	250	500	PC	3.39	3.01	2.84
HSTTV38-48-TL	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,BLK	250 PC		250	500	1000	PC	3.25	2.77	2.48
HSTTV38-C	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,BLK	1 RL	10	1	2	4	RL	82.33	73.24	68.96
HSTTV38-Q	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,BLK	1 RL	10	1	4	40	RL	32.21	28.18	25.07
HSTTV38-T	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,BLK	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTTV38-T2	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,RED	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTTV38-T4	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,YEL	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTTV38-T6	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,BLU	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTTV38-T10	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,WHT	1 RL	2	1	2	4	RL	168.00	149.45	140.73
HSTTV38-Y	HEAT SHRINK THIN VW-1, 3/8"(9.5MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV50-48-Q	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,BLK	25 PC		25	250	500	PC	3.82	3.40	3.20
HSTTV50-48-T	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,BLK	200 PC		200	400	800	PC	3.66	3.12	2.80
HSTTV50-C	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,BLK	1 RL	10	1	2	4	RL	92.12	81.95	77.17
HSTTV50-Q	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,BLK	1 RL	10	1	4	40	RL	36.59	32.02	28.48
HSTTV50-T	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,BLK	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTTV50-T2	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,RED	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTTV50-T4	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,YEL	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTTV50-T6	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,BLU	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTTV50-T10	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,WHT	1 RL	2	1	2	4	RL	192.07	170.87	160.89
HSTTV50-Y	HEAT SHRINK THIN VW-1, 1/2"(12.7MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV75-48-5	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,BLK	5 PC		5	50	100	PC	5.16	4.59	4.32
HSTTV75-48-CQ	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,BLK	125 PC		125	250	500	PC	4.88	4.16	3.73
HSTTV75-C	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,BLK	1 RL	10	1	2	4	RL	128.21	114.05	107.39
HSTTV75-Q	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,BLK	1 RL	10	1	4	40	RL	48.49	42.43	37.74
HSTTV75-T	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,BLK	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTTV75-T2	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,RED	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTTV75-T4	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,YEL	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTTV75-T6	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,BLU	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTTV75-T10	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,WHT	1 RL	2	1	2	4	RL	256.59	228.27	214.94
HSTTV75-Y	HEAT SHRINK THIN VW-1, 3/4"(19.0MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV100-48-5	HEAT SHRINK THIN VW-1, 1"(25.4MM)DIA,BLK	5 PC		5	50	100	PC	7.21	6.41	6.04
HSTTV100-48-LQ	HEAT SHRINK THIN VW-1, 1"(25.4MM)DIA,BLK	75 PC		75	150	300	PC	6.90	5.89	5.28
HSTTV100-C	HEAT SHRINK THIN VW-1, 1"(25.4MM)DIA,BLK	1 RL	2	1	2	4	RL	191.61	170.46	160.50
HSTTV100-Q	HEAT SHRINK THIN VW-1, 1"(25.4MM)DIA,BLK	1 RL	2	1	4	40	RL	64.43	56.38	50.16
HSTTV100-Y	HEAT SHRINK THIN VW-1, 1"(25.4MM)DIA,BLK	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTV150-48-5	HEAT SHRINK THIN VW-1, 1 1/2"(38.1MM)DIA,BLK	5 PC		5	50	100	PC	14.34	12.75	12.01
HSTTV150-C	HEAT SHRINK THIN VW-1, 1 1/2"(38.1MM)DIA,BLK	1 RL	2	1	2	4	RL	357.17	317.74	299.19
HSTTVA12-48-Q	HEAT SHRINK THIN, ADH, 1/8"(3.2MM)DIA	25 PC		1	25	250	PC	7.23	6.33	5.63
HSTTVA12-Y	HEAT SHRINK THIN, ADH, 1/8"(3.2MM)DIA	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTVA19-48-Q	HEAT SHRINK THIN, ADH, 3/16"(4.8MM)DIA	25 PC		1	25	250	PC	8.38	7.33	6.52
HSTTVA19-Y	HEAT SHRINK THIN, ADH, 3/16"(4.8MM)DIA	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTVA25-48-Q	HEAT SHRINK THIN, ADH, 1/4"(6.4MM)DIA	25 PC		1	25	250	PC	9.52	8.33	7.41
HSTTVA25-Y	HEAT SHRINK THIN, ADH, 1/4"(6.4MM)DIA	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTVA38-48-Q	HEAT SHRINK THIN, ADH, 3/8"(9.5MM)DIA	25 PC		1	25	250	PC	10.60	9.27	8.25
HSTTVA38-Y	HEAT SHRINK THIN, ADH, 3/8"(9.5MM)DIA	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTVA50-48-5	HEAT SHRINK THIN, ADH, 1/2"(12.7MM)DIA	5 PC		1	5	50	PC	12.57	11.00	9.78
HSTTVA50-Y	HEAT SHRINK THIN, ADH, 1/2"(12.7MM)DIA	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTVA75-48-5	HEAT SHRINK THIN, ADH, 3/4"(19.0MM)DIA	5 PC		1	5	50	PC	20.98	18.36	16.33

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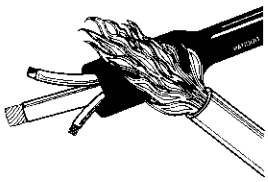
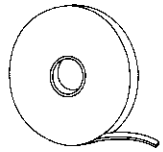
PANDUIT® Heat Shrink and Insulation Products



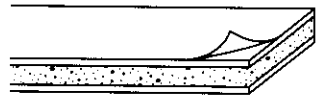
Heat Shrink Tubing

Plastic Box
Heat Shrink Kit

Metal Box
Heat Shrink Kit



Foam Tape



Foam Tape

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
HSTTVA75-Y	HEAT SHRINK THIN, ADH, 3/4"(19.0MM)DIA	1 PK	10	1	10	100	PK	$ 10.19	$ 8.92	$ 7.93
HSTTVA100-48-5	HEAT SHRINK THIN, ADH, 1"(25.4MM)DIA	5 PC		1	5	50	PC	23.92	20.93	18.62
HSTTVA100-Y	HEAT SHRINK THIN, ADH, 1"(25.4MM)DIA	1 PK	10	1	10	100	PK	10.19	8.92	7.93
HSTTVA150-48-5	HEAT SHRINK THIN, ADH, 1 1/2"(38.1MM)DIA	5 PC		1	5	50	PC	34.11	29.85	26.55
K-HSTT1	HEAT SHRINK THIN KIT, 3/16"-1/2", BLK	1 KT		1			KT	77.21		
K-HSTT2	HEAT SHRINK THIN KIT, 3/16"-1/2", MUL	1 KT		1			KT	77.21		
K-HSTTA	HEAT SHRINK THIN ADH KIT, 3/16"-1", BLK	1 KT		1			KT	123.22		
KP-HSTT1	HEAT SHRINK THIN KIT, 3/16"-1/2", BLK	1 KT		1			KT	44.94		
KP-HSTT2	HEAT SHRINK THIN KIT, 3/16"-1/2", MUL	1 KT		1			KT	44.94		
KP-HSTTA	HEAT SHRINK THIN ADH KIT, 3/16"-1", BLK	1 KT		1			KT	70.38		
P32W2A2-50-72	ACR FOAM TAPE, 1/32" X 0.50" X 72YD	1 RL	9	1	10	100	RL	62.70	50.83	45.26
P32W2A2-75-72	ACR FOAM TAPE, 1/32" X 0.75" X 72YD	1 RL	7	1	10	100	RL	83.45	67.65	60.24
P32W2A2-100-72	ACR FOAM TAPE, 1/32" X 1" X 72YD	1 RL	5	1	10	100	RL	103.12	83.60	74.44
P32W2R1-50-72	RUB FOAM TAPE, 1/32" X 0.50" X 72YD	1 RL	9	1	10	100	RL	63.61	51.57	45.92
P32W2R1-75-72	RUB FOAM TAPE, 1/32" X 0.75" X 72YD	1 RL	7	1	10	100	RL	84.65	68.62	61.11
P32W2R1-100-72	RUB FOAM TAPE, 1/32" X 1" X 72YD	1 RL	5	1	10	100	RL	105.61	85.61	76.24

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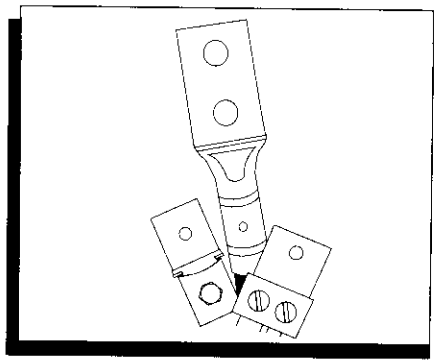
PANDUIT® Power Connectors and Installation Tooling

PANDUIT offers a broad line of Power Connectors and Tools for virtually any application in sizes #14 AWG thru 1000 MCM.

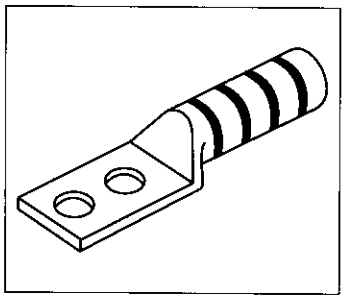


Made in the U.S.A.

Quality Products

LISTED RECOGNIZED CERTIFIED

Selection - PANDUIT offers two basic styles of connectors, compression and mechanical, for use in all power cable connections.



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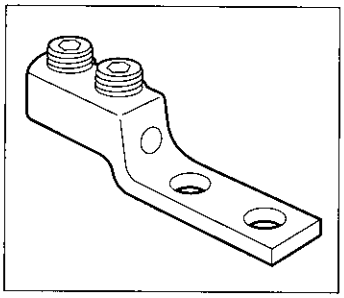
Copper compression lugs and splices offered in 3 barrel lengths and in one hole and two hole tongue configurations, with and without inspection windows in barrel, for code and flex wire, 8 AWG – 1,000 MCM. Also, aluminum splices and lugs in one and two hole patterns, copper CTAPs in heavy and thin wall styles plus aluminum HTAPs.



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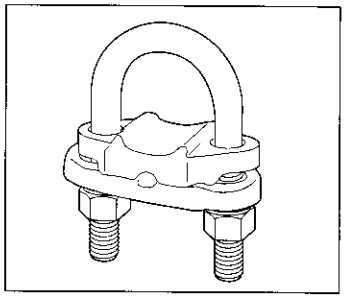
Offered in premium cast copper connectors with pressure plates and serrated barrels and economy stamped copper versions. Dual rated aluminum connectors in one, two, three and four wire configurations. Split bolts in copper or dual rated, tin plated copper or aluminum, from 14 AWG – 1,000 MCM.



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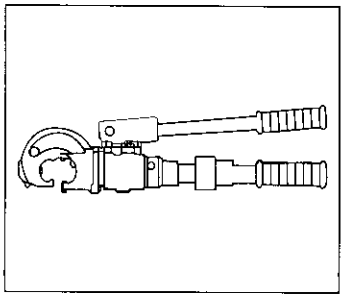
U.L. LISTED for direct burial. One and two wire service post connectors with internal or external threads. Bronze and copper grounding clamps for grounding wire to rods, water pipes or tubing.



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From basic hip pocket, to battery operated, to dieless, to the hydraulic crimping tool system developing 15 tons of force, *PANDUIT* meets all your needs for fast, dependable approved connections — #8 AWG thru 1500 MCM. Change over of snap-in, color-coded dies is quick and easy. Most are available with controlled cycle mechanism which means the tool, not the installer, controls the crimp — for greater reliability.

Part Number System (Example) For Compression Connectors

LCD	2/0	—	38	D	F	—	X
Part Designation	**Conductor Size**		**Bolt Hole Size Designation** 10 = #10 14 = 1/4" 56 = 5/16" 38 = 3/8" 12 = 1/2" 58 = 5/8" 34 = 3/4" 00 = Blank Tongue*	**2 Bolt Hole Spacing*** A = .625" B = .750" C = .875" D = 1.00" E = 1.25" No Letter = 1.75"	**Tongue Angle** H = 45° Angle F = 90° Angle No Letter = Straight		**Std. Pkg. Size Designation** 1 = 1 2 = 2 3 = 3 5 = 5 6 = 6 X = 10 E = 20 Q = 25 L = 50

Ex: LCD Lug, Copper Two Hole Standard Barrel

* LCA, LCC and LCD Styles only

Compression Taps Part Number System

CTAP	2	—	4	—	Q
Type CTAP = C Type HTAP = H Type TAPC = Tap Cover	**Main or Run Wire Size**		**Tap Wire Size**		**Pkg. Qty.** L=50 Q=25 X=10 5=5 2=2

Part Number System (Examples) for Mechanical Connectors

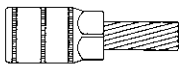
Copper

CO	225	—	56	—	Q
Type	Current rating (Amps)		Bolt Hole Size(s)		Pkg. Qty.

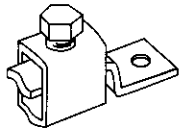
Aluminum

LAM	2	SB	600	—	38	—	1
Type	Number of Barrels (1 barrel not shown)	A=1 bolt hole SB=2 bolt holes	Max. Wire Size		Bolt Hole Size(s)		Std. Pkg. Qty.

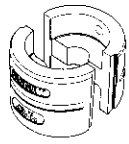
Effective Date: March 23, 2001



BPC
Connector



CB25
Single Barrel, Copper



CD-920
2-piece Die Sets

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
BPC1-X	BI-METALLIC PIN CONN, AL #1 TO CU #3	10 PC		1	10	40	C	$ 1630.96	$ 1262.46	$ 1016.79
BPC1/0-X	BI-METALLIC PIN CONN, AL 1/0 TO CU #2	10 PC		1	10	40	C	1607.74	1255.36	1005.76
BPC2-L	BI-METALLIC PIN CONN, AL #2 TO CU #4	50 PC		1	50	200	C	1356.84	1059.45	848.80
BPC2/0-X	BI-METALLIC PIN CONN, AL 2/0 TO CU #1	10 PC		1	10	40	C	2076.05	1621.03	1298.72
BPC3/0-X	BI-METALLIC PIN CONN, AL 3/0 TO CU 1/0	10 PC		1	10	40	C	2395.41	1872.39	1495.82
BPC4-L	BI-METALLIC PIN CONN, AL #4 TO CU #6	50 PC		1	50	200	C	1219.59	944.04	760.33
BPC4/0-X	BI-METALLIC PIN CONN, AL 4/0 TO CU 2/0	10 PC		1	10	40	C	2575.65	2013.28	1608.38
BPC6-L	BI-METALLIC PIN CONN, AL #6 TO CU #8	50 PC		1	50	200	C	1300.04	1006.31	810.49
BPC250-X	BI-METALLIC PIN CONN, AL 250 TO CU 3/0	10 PC		1	10	40	C	2850.41	2228.05	1779.95
BPC300-X	BI-METALLIC PIN CONN, AL 300 TO CU 4/0	10 PC		1	10	40	C	3055.85	2365.41	1905.11
BPC350-X	BI-METALLIC PIN CONN, AL 350 TO CU 4/0	10 PC		1	10	40	C	3206.96	2506.75	2002.60
BPC400-X	BI-METALLIC PIN CONN, AL 400 TO CU 250	10 PC		1	10	40	C	3815.92	2982.75	2382.87
BPC500-X	BI-METALLIC PIN CONN, AL 500 TO CU 350	10 PC		1	10	40	C	4176.80	3264.83	2608.22
BPC600-6	BI-METALLIC PIN CONN, AL 600 TO CU 350	6 PC		1	6	24	C	5795.44	4486.01	3613.06
BPC750-6	BI-METALLIC PIN CONN, AL 750 TO CU 500	6 PC		1	6	24	C	5844.53	4524.01	3643.66
C-720	CT-720 CRIMP TOOL CARRYING CASE	1 PC		1			CONTACT FACTORY FOR PRICING			
C-2001	CT-2001 CRIMP TOOL CARRYING CASE	1 PC		1			CONTACT FACTORY FOR PRICING			
CB25-18-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, #14-#10	3 PC	30	3			C	115.21		
CB25-18-C	CU MECH LUG, 1 BRL 1 HL, OFFSET, #14-#10	100 PC		1	100	400	C	130.92	102.22	81.90
CB35-36-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, #14-#6	3 PC	30	3			C	118.47		
CB35-36-C	CU MECH LUG, 1 BRL 1 HL, OFFSET, #14-#6	100 PC	400	1	100	400	C	134.64	105.13	84.23
CB70-14-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, #12-#1	3 PC	30	3			C	162.85		
CB70-14-C	CU MECH LUG, 1 BRL 1 HL, OFFSET, #12-#1	100 PC		1	100	400	C	181.53	141.74	113.56
CB125-14-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, #2-1/0	3 PC	30	3			C	347.47		
CB125-14-Q	CU MECH LUG, 1 BRL 1 HL, OFFSET, #2-1/0	25 PC		1	25	100	C	376.09	293.66	235.27
CB175-38-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, #4-3/0	3 PC	30	3			C	660.65		
CB175-38-Q	CU MECH LUG, 1 BRL 1 HL, OFFSET, #4-3/0	25 PC		1	25	100	C	715.01	558.30	447.29
CB225-56-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, #6-4/0	3 PC	30	3			C	749.85		
CB225-56-Q	CU MECH LUG, 1 BRL 1 HL, OFFSET, #6-4/0	25 PC		1	25	100	C	811.55	633.67	507.68
CB300-38-Q	CU MECH LUG, 1 BRL 1 HL, OFFSET, #1-350	25 PC		1	25	100	C	1381.23	1078.50	864.06
CB400-38-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, 1/0-500	3 PC		1	3	12	C	2210.02	1725.63	1382.52
CB650-12-3	CU MECH LUG, 1 BRL 1 HL, OFFSET,600-1000	3 PC		1	3	12	C	5338.93	4173.22	3333.92
CBA70-14-3	CU MECH LUG, 1 BRL 1 HL, OFFSET, #14-#4	3 PC	30	3			C	162.39		
CBA70-14-C	CU MECH LUG, 1 BRL 1 HL, OFFSET, #14-#4	100 PC		1	100	400	C	175.73	137.21	109.93
CC-720	CONTROL-CYCLE MECHANISM	1 PC		1			PC	303.50		
CD-720-1	CT-720 CRIMP DIE, CU #8-#2, AL #6	1 PC		1			PC	53.05		
CD-720-2	CT-720 CRIMP DIE, CU #1-3/0, AL #4-1/0	1 PC		1			PC	53.05		
CD-720-3	CT-720 CRIMP DIE, CU 4/0-250, AL 2/0-3/0	1 PC		1			PC	53.05		
CD-720-4	CT-720 CRIMP DIE, CU 300, AL 4/0	1 PC		1			PC	53.05		
CD-720-5	CT-720 CRIMP DIE, CU 350, AL 250	1 PC		1			PC	53.05		
CD-720-6	CT-720 CRIMP DIE, CU 400, AL 300	1 PC		1			PC	53.05		
CD-720-7	CT-720 CRIMP DIE, CU 500, AL 350	1 PC		1			PC	53.05		
CD-720PV8-2	CT-720 CRIMP DIE, #8-#2 VINYL TERMINALS	1 PC		1			PC	53.05		
CD-920-1	CT-920/930 CRIMP DIE, CU #1, AL #4	1 PC		1			PC	111.70		
CD-920-1/0	CT-920/930 CRIMP DIE, CU 1/0, AL #2	1 PC		1			PC	111.70		
CD-920-2	CT-920/930 CRIMP DIE, CU #2	1 PC		1			PC	111.70		
CD-920-2/0	CT-920/930 CRIMP DIE, CU 2/0, AL #1	1 PC		1			PC	111.70		
CD-920-3/0	CT-920/930 CRIMP DIE, CU 3/0, AL 1/0	1 PC		1			PC	111.70		
CD-920-4	CT-920/930 CRIMP DIE, CU #4, AL #6	1 PC		1			PC	111.70		
CD-920-4/0	CT-920/930 CRIMP DIE, CU 4/0, AL 2/0	1 PC		1			PC	111.70		
CD-920-6	CT-920/930 CRIMP DIE, CU #6	1 PC		1			PC	111.70		
CD-920-8	CT-920/930 CRIMP DIE, CU #8	1 PC		1			PC	111.70		
CD-920-250	CT-920/930 CRIMP DIE, CU 250, AL 3/0	1 PC		1			PC	111.70		
CD-920-300	CT-920/930 CRIMP DIE, CU 300, AL 4/0	1 PC		1			PC	111.70		
CD-920-350	CT-920/930 CRIMP DIE, CU 350, AL 250	1 PC		1			PC	111.70		

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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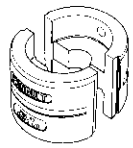
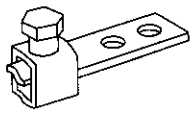
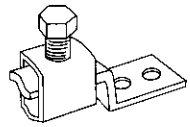
All prices subject to change without notice.



CD-920
2-piece Die Sets



CD35
1-Barrel, Mechanical



CO35
Single Barrel, Copper

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities Qty 1	Qty 2	Qty 3	Price UOM	Suggested Trade Prices Price 1	Price 2	Price 3
CD-920-400	CT-920/930 CRIMP DIE, CU 400, AL 300	1 PC		1			PC	$ 111.70	$	$
CD-920-500	CT-920/930 CRIMP DIE, CU 500, AL 350	1 PC		1			PC	111.70		
CD-920-500A	CT-920/930 CRIMP DIE, AL 500	1 PC		1			PC	111.70		
CD-920-600	CT-920/930 CRIMP DIE, CU 600, AL 400	1 PC		1			PC	111.70		
CD-920-750	CT-920/930 CRIMP DIE, CU 750, AL 600	1 PC		1			PC	111.70		
CD-920-BG	CT-920/930 CRIMP DIE, CTAP4-6, CTAP4-4	1 PC		1			PC	229.29		
CD-920-C	CT-920/930 CRIMP DIE, CTAP2-4, CTAP2-2	1 PC		1			PC	229.29		
CD-920-D3	CT-920/930 CRIMP DIE, CTAP4/0-4/0	1 PC		1			PC	229.29		
CD-920-O	CT-920/930 CRIMP DIE, HTAP1-1 THRU 2/0-1	1 PC		1			PC	229.29		
CD-930-N	CT-920/930 CRIMP DIE, HTAP500	1 PC		1			PC	229.29		
CD-940-750	CT-940CH CRIMP DIE, CU 750	1 PC		1			PC	271.84		
CD-940-750A	CT-940CH CRIMP DIE, AL 750	1 PC		1			PC	271.84		
CD-940-800	CT-940CH CRIMP DIE, CU 800	1 PC		1			PC	271.84		
CD-940-800A	CT-940CH CRIMP DIE, AL 800	1 PC		1			PC	271.84		
CD-940-1000	CT-940CH CRIMP DIE, CU 1000	1 PC		1			PC	271.84		
CD-940-1000A	CT-940CH CRIMP DIE, AL 1000	1 PC		1			PC	271.84		
CD-940-DA	DIE ADAPTER FOR CD-920/930 DIES	1 PC		1			PC	396.32		
CD-940-N	CT-940CH CRIMP DIE, AL 500 HTAP	1 PC		1			PC	271.84		
CD-2001-1	CT-2001 CRIMP DIE, CU #1, AL #4	1 PC		1			PC	110.94		
CD-2001-1/0	CT-2001 CRIMP DIE, CU 1/01, AL #2	1 PC		1			PC	110.94		
CD-2001-2	CT-2001 CRIMP DIE, CU #2	1 PC		1			PC	110.94		
CD-2001-2/0	CT-2001 CRIMP DIE, CU 2/0, AL #1	1 PC		1			PC	110.94		
CD-2001-3/0	CT-2001 CRIMP DIE, CU 3/0, AL 1/0	1 PC		1			PC	110.94		
CD-2001-4	CT-2001 CRIMP DIE, CU #4, AL #6	1 PC		1			PC	110.94		
CD-2001-4/0	CT-2001 CRIMP DIE, CU 4/0, AL 2/0	1 PC		1			PC	110.94		
CD-2001-6	CT-2001 CRIMP DIE, CU #6	1 PC		1			PC	110.94		
CD-2001-8	CT-2001 CRIMP DIE, CU #8	1 PC		1			PC	110.94		
CD-2001-250	CT-2001 CRIMP DIE, CU 250 MCM, AL 3/0	1 PC		1			PC	110.94		
CD-2001-300	CT-2001 CRIMP DIE, CU 300 MCM, AL 4/0	1 PC		1			PC	110.94		
CD-2001-350	CT-2001 CRIMP DIE, CU 350MCM, AL 250MCM	1 PC		1			PC	110.94		
CD-2001-400	CT-2001 CRIMP DIE, CU 400 MCM, AL 300MCM	1 PC		1			PC	110.94		
CD-2001-500	CT-2001 CRIMP DIE, CU 500 MCM	1 PC		1			PC	110.94		
CD-2001-BG	CT-2001 CRIMP DIE, CTAP4-4 TO CTAP4-6	1 PC		1			PC	110.94		
CD-2001-C	CT-2001 CRIMP DIE, CTAP2-4 TO CTAP2-2	1 PC		1			PC	110.94		
CD-2001-O	CT-2001 CRIMP DIE, HTAP1-1 TO HTAP2/0-1	1 PC		1			PC	110.94		
CD35-36-Q	CU MECH LUG, 1 BRL 2 HOLE, #14-#6	25 PC		1	25	100	C	207.26	161.83	129.66
CD70-14-3	CU MECH LUG, 1 BRL 2 HOLE, #12-#1	3 PC	30	3			C	286.64		
CD70-14-Q	CU MECH LUG, 1 BRL 2 HOLE, #12-#1	25 PC		1	25	100	C	310.17	242.19	194.03
CD125-14-Q	CU MECH LUG, 1 BRL 2 HOLE, #2-1/0	25 PC		1	25	100	C	660.68	515.87	413.30
CD225-56-Q	CU MECH LUG, 1 BRL 2 HOLE, #6-4/0	25 PC		1	25	100	C	1443.80	1127.35	903.20
CD300-38-3	CU MECH LUG, 1 BRL 2 HOLE, #1-350	3 PC		1	3	12	C	2580.89	1997.76	1609.01
CD400-38-3	CU MECH LUG, 1 BRL 2 HOLE, 1/0-500	3 PC		1	3	12	C	4891.85	3786.58	3049.73
CD650-12-3	CU MECH LUG, 1 BRL 2 HOLE, 600-1000	3 PC		1	3	12	C	9248.70	7159.04	5765.93
CG-920	COMPRESSION GUAGE	1 PC		1			CONTACT FACTORY FOR PRICING			
CG-940	COMPRESSION GUAGE	1 PC		1			CONTACT FACTORY FOR PRICING			
CG-980	COMPRESSION GUAGE	1 PC		1			CONTACT FACTORY FOR PRICING			
CMP-100-1	JOINT COMPOUND, 8 OZ	1 PC		1	10		PC	13.93	13.23	
CMP-200-1	JOINT COMPOUND, 8 OZ	1 PC		1	10		PC	14.28	13.57	
CO35-36-3	CU MECH LUG, 1 BRL 2 HL, OFFSET, #14-#6	3 PC	30	3			C	177.83		
CO35-36-Q	CU MECH LUG, 1 BRL 2 HL, OFFSET, #14-#6	25 PC	100	1	25	100	C	192.48	150.29	120.41
CO70-14-Q	CU MECH LUG, 1 BRL 2 HL, OFFSET, #12-#1	25 PC		1	25	100	C	288.03	224.90	180.18
CO125-14-Q	CU MECH LUG, 1 BRL 2 HL, OFFSET, #2-1/0	25 PC		1	25	100	C	629.43	491.47	393.75
CO225-56-Q	CU MECH LUG, 1 BRL 2 HL, OFFSET, #6-4/0	25 PC		1	25	100	C	1381.58	1078.77	864.28
CO300-38-3	CU MECH LUG, 1 BRL 2 HL, OFFSET, #1-350	3 PC		1	3	12	C	2396.84	1855.29	1494.26
CO400-38-3	CU MECH LUG, 1 BRL 2 HL, OFFSET, 1/0-500	3 PC		1	3	12	C	4542.89	3516.46	2832.18

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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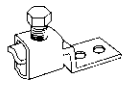
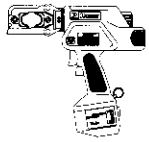
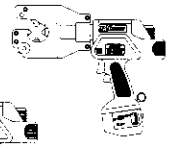
PANDUIT® Power Connectors and Installation Tooling

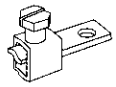

CO35
Single Barrel, Copper

CT-920
Controlled Cycle, Hydraulic Crimp Tool

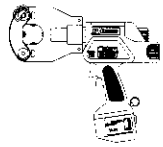

CT-2001
Battery Operated, 6-Ton, Crimp Tool

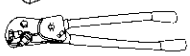

CT-2050
UNI-DIE™ Die-less, 6.2-Ton, Compression Tool

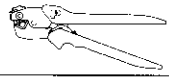
CTAP
C-Type Copper Compression Tap

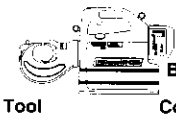

CS25
Single Barrel, Copper Straight Tongue

CT-980
UNI-DIE™ Die-less, Crimp Tool


CT-2080
UNI-DIE™ Flip-Top, 6.2-Ton, Compression Tool


CT-720
Heavy Duty Manual, Crimp Tool


CT-1700
CONTOUR CRIMP™, Crimp Tool


CT-2920
Battery Operated, 12-Ton, Compression Tool

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CO650-12-3	CU MECH LUG, 1 BRL 2 HL, OFFSET,600-1000	3 PC		1	3	12	C	$ 8588.94	$ 6648.35	$ 5354.61
CS25-18-3	CU MECH LUG, 1 BRL 1 HOLE, #14-#10	3 PC	30	3			C	127.66		
CS25-18-C	CU MECH LUG, 1 BRL 1 HOLE, #14-#10	100 PC		1	100	400	C	151.69	118.57	94.72
CS35-36-3	CU MECH LUG, 1 BRL 1 HOLE, #14-#6	3 PC	30	3			C	128.95		
CS35-36-C	CU MECH LUG, 1 BRL 1 HOLE, #14-#6	100 PC		1	100	400	C	153.22	119.77	95.68
CS70-14-C	CU MECH LUG, 1 BRL 1 HOLE, #12-#1	100 PC		1	100	400	C	203.08	158.57	127.04
CS125-14-Q	CU MECH LUG, 1 BRL 1 HOLE, #2-1/0	25 PC		1	25	100	C	391.27	305.51	244.76
CS175-38-Q	CU MECH LUG, 1 BRL 1 HOLE, #4-3/0	25 PC		1	25	100	C	732.60	572.03	458.29
CS225-56-Q	CU MECH LUG, 1 BRL 1 HOLE, #6-4/0	25 PC		1	25	100	C	889.75	694.74	556.60
CS300-38-Q	CU MECH LUG, 1 BRL 1 HOLE, #1-350	25 PC		1	25	100	C	1600.28	1249.53	1001.09
CS400-38-3	CU MECH LUG, 1 BRL 1 HOLE, 1/0-500	3 PC		1	3	12	C	2533.79	1980.56	1582.24
CS650-12-3	CU MECH LUG, 1 BRL 1 HOLE, 600-1000	3 PC		1	3	12	C	5858.53	4579.37	3658.38
CSA70-14-C	CU MECH LUG, 1 BRL 1 HOLE, #14-#4	100 PC		1	100	400	C	197.72	154.55	123.47
CST114	CABLE STRIPPER TOOL - SMALL	1 PC					PC	89.09	85.01	
CST157	CABLE STRIPPER TOOL - LARGE	1 PC					PC	112.31	107.16	
CT-720	PWR CONN CRIMP TOOL	1 PC					PC	507.61		
CT-720-3	PWR CONN CRIMP TOOL W/ 3 DIES	1 PC					PC	751.03		
CT-720-3CC	PWR CONN CONTROL CYCLE TOOL W/DIES	1 PC					PC	1023.43		
CT-720-7	PWR CONN CRIMP TOOL W/ 7 DIES	1 PC					PC	1009.92		
CT-720-7CC	PWR CONN CONTROL CYCLE TOOL W/DIES	1 PC					PC	1227.77		
CT-900HPH	CT-900 HYDRAULIC HOSE	1 PC		1			PC	352.41		
CT-901HP	CT-900 HYDRAULIC PUMP	1 PC		1			PC	2423.59		
CT-901RCH	CT-901HP REMOTE CONTROL HANDLE	1 PC		1			PC	728.05		
CT-901RFS	CT-901HP REMOTE REMOTE FOOT SWITCH	1 PC		1			PC	701.70		
CT-920	PWR CONN HAND OPERATED CRIMP TOOL	1 PC					CONTACT FACTORY FOR PRICING			
CT-920CH	PWR CONN REMOTE USE CRIMPING HEAD	1 PC					CONTACT FACTORY FOR PRICING			
CT-930	PWR CONN HAND OPERATED CRIMP TOOL	1 PC					CONTACT FACTORY FOR PRICING			
CT-930CH	PWR CONN REMOTE USE CRIMP HEAD	1 PC					CONTACT FACTORY FOR PRICING			
CT-940CH	PWR CONN REMOTE USE CRIMP HEAD	1 PC					CONTACT FACTORY FOR PRICING			
CT-980	PWR CONN CRIMP TOOL, DIELESS	1 PC					CONTACT FACTORY FOR PRICING			
CT-980CH	REMOTE USE, CRIMP HEAD, DIELESS	1 PC					CONTACT FACTORY FOR PRICING			
CT-1700	ROTARY DIE CRIMP TOOL	1 PC					PC	185.37	176.88	
CT-2001	PWR CONN BATTERY OPERATED CRIMP TOOL	1 PC					CONTACT FACTORY FOR PRICING			
CT-2001ELB	CT-2001 EXT LIFE RECHARG 14.4VDC BATTERY	1 PC					PC	926.34		
CT-2001NLB	CT-2001 W/ NON-LED BATTERY	1 PC					CONTACT FACTORY FOR PRICING			
CT-2920	PWR CONN BATTERY OPERATED CRIMP TOOL	1 PC					CONTACT FACTORY FOR PRICING			
CT-2920NLB	CT-2920 W/ NON-LED BATTERY	1 PC					CONTACT FACTORY FOR PRICING			
CT-2940	PWR CONN BATTERY OPERATED CRIMP TOOL	1 PC					CONTACT FACTORY FOR PRICING			
CT-2940NLB	CT-2940 W/ NON-LED BATTERY	1 PC					CONTACT FACTORY FOR PRICING			
CT-2950	PWR CONN BATTERY OPER, CRIMP TL, DIELESS	1 PC					CONTACT FACTORY FOR PRICING			
CT-2950NLB	CT-2950 W/ NON-LED BATTERY	1 PC					CONTACT FACTORY FOR PRICING			
CT-2980	PWR CONN BATTERY OPER, CRIMP TL, DIELESS	1 PC					CONTACT FACTORY FOR PRICING			
CT-2980NLB	CT-2980 W/ NON-LED BATTERY	1 PC					CONTACT FACTORY FOR PRICING			
CT-BC25	BATTERY CARTRIDGE HYDRAULIC TOOL	1 PC		1			PC	378.08		
CT-CHR25	BATTERY CARTRIDGE HYDRAULIC TOOL	1 PC		1			PC	399.89		
CT-NLBC25	BATTERY CARTRIDGE HYDRAULIC TOOL	1 PC		1			PC	302.95		
CTAP2-2-X	C-TYPE CU COMPRESSION CONNECTOR	10 PC		1	10	40	C	632.70	489.75	394.45
CTAP2-4-Q	C-TYPE CU COMPRESSION CONNECTOR	25 PC		1	25	100	C	553.95	433.00	345.92
CTAP4-4-L	C-TYPE CU COMPRESSION CONNECTOR	50 PC		1	50	200	C	362.09	282.73	226.52
CTAP4-6-L	C-TYPE CU COMPRESSION CONNECTOR	50 PC		1	50	200	C	318.29	248.53	199.12
CTAP4/0-4/0-X	C-TYPE CU COMPRESSION CONNECTOR	10 PC		1	10	40	C	1898.14	1469.27	1183.36
CTAPF1-12-C	C-TYPE CU COMP CONN, STAMPED & FORMED	100 PC	400	1	100	400	C	438.15	342.48	273.60
CTAPF1/0-12-3	C-TYPE CU COMP CONN, STAMPED & FORMED	3 PC	30	3			C	567.72		
CTAPF1/0-12-L	C-TYPE CU COMP CONN, STAMPED & FORMED	50 PC	200	1	50	200	C	558.67	436.69	348.86
CTAPF2-12-3	C-TYPE CU COMP CONN, STAMPED & FORMED	3 PC	30	3			C	370.57		

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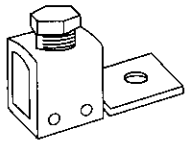
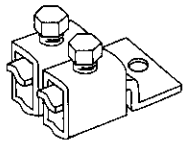
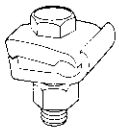
CTAPF
C-Type Copper,
Compression Tap



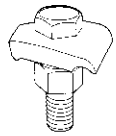
CX35
Single Barrel, Copper
Straight Tongue



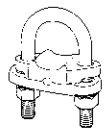
DC450
Dual Barrel, Copper
Offset Tongue



GM-2
Grounding Clamp,
Bronze



GMS-2
Grounding Clamp,
Bronze



GPL-5
Grounding Clamp,
Bronze

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CTAPF2-12-C	C-TYPE CU COMP CONN, STAMPED & FORMED	100 PC	400	1	100	400	C	$ 374.55	$ 292.77	$ 233.89
CTAPF2/0-12-Q	C-TYPE CU COMP CONN, STAMPED & FORMED	25 PC	100	1	25	100	C	628.47	491.25	392.45
CTAPF3-12-C	C-TYPE CU COMP CONN, STAMPED & FORMED	100 PC	400	1	100	400	C	310.73	242.89	194.04
CTAPF3/0-12-Q	C-TYPE CU COMP CONN, STAMPED & FORMED	25 PC	100	1	25	100	C	669.41	523.25	418.02
CTAPF4-12-C	C-TYPE CU COMP CONN, STAMPED & FORMED	100 PC	400	1	100	400	C	264.93	207.09	165.44
CTAPF6-12-3	C-TYPE CU COMP CONN, STAMPED & FORMED	3 PC	30	3			C	213.54		
CTAPF6-12-C	C-TYPE CU COMP CONN, STAMPED & FORMED	100 PC	400	1	100	400	C	220.66	172.48	137.79
CTAPF8-12-C	C-TYPE CU COMP CONN, STAMPED & FORMED	100 PC	400	1	100	400	C	200.86	157.00	125.43
CTAPF10-16-C	C-TYPE CU COMP CONN, STAMPED & FORMED	100 PC	400	1	100	400	C	181.37	141.77	113.26
CW-12-Q	BELLEVILLE COMPRESS WASHER, 1/2" BOLT	25 PC	250	1	25	100	C	193.18	149.54	120.44
CW-14-L	BELLEVILLE COMPRESS WASHER, 1/4" BOLT	50 PC	500	1	50	200	C	144.36	111.74	90.00
CW-38-L	BELLEVILLE COMPRESS WASHER, 3/8" BOLT	50 PC	500	1	50	200	C	144.36	111.74	90.00
CW-56-L	BELLEVILLE COMPRESS WASHER, 5/16" BOLT	50 PC	500	1	50	200	C	144.36	111.74	90.00
CW-58-Q	BELLEVILLE COMPRESS WASHER, 5/8" BOLT	25 PC	250	1	25	100	C	321.69	249.01	200.55
CX35-36-3	CU MECH LUG, 1 BRL 1 HL, FIXED, #14-#6	3 PC	30	3			C	132.51		
CX35-36-C	CU MECH LUG, 1 BRL 1 HL, FIXED, #14-#6	100 PC	400	1	100	400	C	143.01	111.66	89.46
CX70-14-3	CU MECH LUG, 1 BRL 1 HL, FIXED, #14-#4	3 PC	30	3			C	256.33		
CX70-14-C	CU MECH LUG, 1 BRL 1 HL, FIXED, #14-#4	100 PC		1	100	400	C	277.41	216.61	173.54
CX125-14-3	CU MECH LUG, 1 BRL 1 HL, FIXED, #4-1/0	3 PC	30	3			C	363.93		
CX125-14-Q	CU MECH LUG, 1 BRL 1 HL, FIXED, #4-1/0	25 PC		1	25	100	C	393.85	307.53	246.38
CX225-56-3	CU MECH LUG, 1 BRL 1 HL, FIXED, #2-4/0	3 PC	30	3			C	1117.48		
CX225-56-Q	CU MECH LUG, 1 BRL 1 HL, FIXED, #2-4/0	25 PC		1	25	100	C	1209.43	944.35	756.58
CX400-38-3	CU MECH LUG, 1 BRL 1 HL, FIXED, 4/0-500	3 PC		1	3	12	C	2454.49	1918.58	1532.72
DC450-38-3	CU MECH LUG, 2 BRL 1 HL, OFFSET, #6-4/0	3 PC		1	3	12	C	3040.27	2376.46	1898.51
DC600-38-3	CU MECH LUG, 2 BRL 1 HL, OFFSET, #1-350	3 PC		1	3	12	C	4334.67	3388.24	2706.80
DC800-12-3	CU MECH LUG, 2 BRL 1 HL, OFFSET, 1/0-500	3 PC		1	3	12	C	6263.90	4890.99	3918.52
GCA1-Q	AL GROUND CLAMP, DUAL RATED, #14-1/0	25 PC		1	25	100	C	479.06	374.06	299.69
GCA2-X	AL GROUND CLAMP, DUAL RATED, #6-250	10 PC		1	10	40	C	1061.36	828.73	663.96
GCA4-4	AL GROUND CLAMP, LG DUAL RATED, #6-250	4 PC		1	4	16	C	2995.28	2338.78	1873.76
GM-2-Q	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	25 PC		1	25	100	C	2282.81	1767.03	1423.17
GM-3-Q	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	25 PC		1	25	100	C	4578.76	3544.23	2854.54
GMS-2-Q	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	25 PC		1	25	100	C	1716.14	1328.39	1069.89
GMS-3-Q	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	25 PC		1	25	100	C	2907.00	2250.19	1812.32
GPL-4-Q	BRONZE GROUND CLAMP, 8 SOL - 4 STR	25 PC		1	25	100	C	3904.81	3022.55	2434.38
GPL-5-Q	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	25 PC		1	25	100	C	4207.62	3256.94	2623.16
GPL-6-Q	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	25 PC		1	25	100	C	4291.91	3322.19	2675.71
GPL-8-Q	BRONZE GROUND CLAMP, 8 SOL - 4 STR	25 PC		1	25	100	C	5554.72	4299.68	3462.98
GPL-9-Q	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	25 PC		1	25	100	C	5722.57	4429.60	3567.63
GPL-10-Q	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	25 PC		1	25	100	C	6211.32	4807.93	3872.33
GPL-14-X	BRONZE GROUND CLAMP, 8 SOL - 4 STR	10 PC		1	10	40	C	5723.05	4429.97	3567.92
GPL-15-X	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	10 PC		1	10	40	C	5857.87	4534.33	3651.98
GPL-20-X	BRONZE GROUND CLAMP, 8 SOL - 4 STR	10 PC		1	10	40	C	5663.82	4384.13	3531.00
GPL-21-X	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	10 PC		1	10	40	C	6147.15	4758.26	3832.32
GPL-22-X	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	10 PC		1	10	40	C	6346.84	4912.82	3956.81
GPL-26-X	BRONZE GROUND CLAMP, 8 SOL - 4 STR	10 PC		1	10	40	C	6147.15	4758.26	3832.32
GPL-27-X	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	10 PC		1	10	40	C	6412.35	4963.53	3997.66
GPL-28-X	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	10 PC		1	10	40	C	6782.77	5250.26	4228.59
GPL-32-3	BRONZE GROUND CLAMP, 8 SOL - 4 STR	3 PC		1	3	12	C	6980.14	5403.04	4351.63
GPL-33-3	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	3 PC		1	3	12	C	7910.37	6123.09	4931.57
GPL-34-3	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	3 PC		1	3	12	C	8903.35	6891.71	5550.62
GPL-39-3	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	3 PC		1	3	12	C	9593.29	7425.77	5980.76
GPL-40-3	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	3 PC		1	3	12	C	9911.95	7672.43	6179.42
GPL-45-1	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	1 PC		1	4		C	8987.61	7238.67	
GPL-46-1	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	1 PC		1	4		C	9863.40	7944.04	
GPL-51-1	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	1 PC		1	4		C	10058.02	8100.79	

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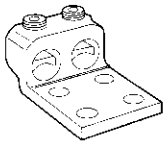
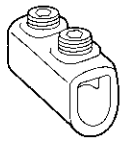
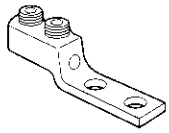


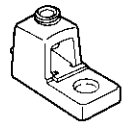
H2L
Dual Barrel, Copper Straight Tongue



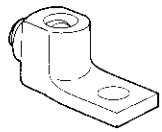
HC4
Premium, Two-Way Connector



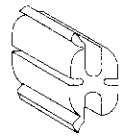
HHL8-2N
Tandem Single Barrel Straight Tongue



HL4
Single Barrel, Copper Straight Tongue



HLA-90
90° Lug, Straight Tongue



HTAP
H-Type Aluminum, Compression Taps

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
GPL-57-1	BRONZE GROUND CLAMP, 4 SOL - 2/0 STR	1 PC		1	4		C	$11863.27	$ 9554.74	$
GPL-58-1	BRONZE GROUND CLAMP, 2/0 SOL - 250 MCM	1 PC		1	4		C	12894.96	10385.67	
GRC12-L	CU GROUND ROD CLAMP, 1/3" ROD, #10-#2	50 PC		1	50	200	C	570.82	445.71	357.09
GRC34-X	CU GROUND ROD CLAMP, 3/4"-5/8" ROD	10 PC		1	10	40	C	1070.01	835.49	669.37
GRC58-Q	CU GROUND ROD CLAMP, 5/8" ROD, #2-#8 AWG	25 PC		1	25	100	C	640.97	500.48	400.97
H2L4-2N-X	CAST CU MECH LUG, 2 BRL, 8 SOL-4 STR	10 PC		1	10	40	C	4590.12	3587.91	2866.32
H2L8-2N-2	CAST CU MECH LUG, 2 BRL, 4 SOL-1 STR	2 PC		1	2	8	C	5485.70	4287.95	3425.57
H2L13-2N-2	CAST CU MECH LUG, 2 BRL, 1 STR-2/0 STR	2 PC		1	2	8	C	7814.40	6108.20	4879.73
H2L21-2N-2	CAST CU MECH LUG, 2 BRL, 2/0 STR-4/0 STR	2 PC		1	2	8	C	10255.01	8015.92	6403.78
H2L30-2N-1	CAST CU MECH LUG, 2 BRL, 4/0 STR-300 MCM	1 PC		1	5	10	C	13413.54	10382.87	8362.42
HC4-3	CAST CU 2-WAY MECH LUG, 8 SOL-4 STR	3 PC		1	3	12	C	2395.84	1872.73	1496.09
HC8-3	CAST CU 2-WAY MECH LUG, 4 SOL-1 STR	3 PC		1	3	12	C	2507.82	1960.26	1566.02
HC13-3	CAST CU 2-WAY MECH LUG, 1 STR-2/0 STR	3 PC		1	3	12	C	3783.97	2957.78	2362.92
HC21-1	CAST CU 2-WAY MECH LUG, 2/0 STR-4/0 STR	1 PC		1	5	10	C	5725.25	4431.68	3569.30
HC30-1	CAST CU 2-WAY MECH LUG, 4/0 STR-300 MCM	1 PC		1	5	10	C	9066.92	7018.33	5652.60
HC50-1	CAST CU 2-WAY MECH LUG, 300-500 MCM	1 PC		1	5	10	C	13974.35	10816.97	8712.04
HHL8-2N-X	CAST CU TANDEM MECH LUG, 1 BRL 2 HL NEMA	10 PC		1	10	40	C	5282.78	4129.33	3298.85
HHL13-2N-5	CAST CU TANDEM MECH LUG, 1 BRL 2 HL NEMA	5 PC		1	5	20	C	6574.91	5089.37	4099.00
HHL21-2N-5	CAST CU TANDEM MECH LUG, 1 BRL 2 HL NEMA	5 PC		1	5	20	C	8671.21	6712.02	5405.90
HHL30-2N-1	CAST CU TANDEM MECH LUG, 1 BRL 2 HL NEMA	1 PC		1	5	10	C	13974.35	10816.97	8712.04
HL1-2-25-X	CAST CU MECH LUG, 1 BRL 2 HOLE	10 PC		1	10	40	C	2033.77	1589.72	1270.00
HL1-25-X	CAST CU MECH LUG, 1 BRL 1 HOLE	10 PC		1	10	40	C	1084.02	847.33	676.92
HL4-1-X	CAST CU MECH LUG, 1 BRL 1 HOLE	10 PC		1	10	40	C	1359.32	1062.53	848.83
HL4-2-X	CAST CU MECH LUG, 1 BRL 2 HOLE	10 PC		1	10	40	C	2083.95	1628.94	1301.33
HL8-1-X	CAST CU MECH LUG, 1 BRL 1 HOLE	10 PC		1	10	40	C	1890.37	1477.63	1180.45
HL8-2-X	CAST CU MECH LUG, 1 BRL 2 HOLE	10 PC		1	10	40	C	2442.38	1909.11	1525.15
HL8-2N-X	CAST CU MECH LUG, 1 BRL 2 HOLE NEMA	10 PC		1	10	40	C	2556.51	1998.32	1596.42
HL13-1-5	CAST CU MECH LUG, 1 BRL 1 HOLE	5 PC		1	5	20	C	2867.89	2239.31	1794.07
HL13-2-5	CAST CU MECH LUG, 1 BRL 2 HOLE	5 PC		1	5	20	C	3400.97	2658.40	2123.75
HL13-2N-5	CAST CU MECH LUG, 1 BRL 2 HOLE NEMA	5 PC		1	5	20	C	3573.34	2765.97	2227.73
HL21-1-5	CAST CU MECH LUG, 1 BRL 1 HOLE	5 PC		1	5	20	C	3878.75	3028.62	2426.43
HL21-2-5	CAST CU MECH LUG, 1 BRL 2 HOLE	5 PC		1	5	20	C	4610.73	3604.02	2879.19
HL21-2N-5	CAST CU MECH LUG, 1 BRL 2 HOLE NEMA	5 PC		1	5	20	C	4788.25	3706.38	2985.14
HL30-1-2	CAST CU MECH LUG, 1 BRL 1 HOLE	2 PC		1	2	8	C	5137.48	4015.76	3208.12
HL30-2-2	CAST CU MECH LUG, 1 BRL 2 HOLE	2 PC		1	2	8	C	6048.85	4728.14	3777.23
HL30-2N-2	CAST CU MECH LUG, 1 BRL 2 HOLE NEMA	2 PC		1	2	8	C	6048.85	4728.14	3777.23
HL50-1-2	CAST CU MECH LUG, 1 BRL 1 HOLE	2 PC		1	2	8	C	7890.54	6167.71	4927.28
HL50-2-2	CAST CU MECH LUG, 1 BRL 2 HOLE	2 PC		1	2	8	C	8719.38	6815.59	5444.85
HLA4-1-90-X	CAST CU 90 DEG MECH LUG, 1 BRL 1 HOLE	10 PC		1	10	40	C	2787.20	2178.64	1740.48
HLA8-1-90-X	CAST CU 90 DEG MECH LUG, 1 BRL 1 HOLE	10 PC		1	10	40	C	3359.25	2625.79	2097.70
HLA13-1-90-5	CAST CU 90 DEG MECH LUG, 1 BRL 1 HOLE	5 PC		1	5	20	C	3699.29	2863.47	2306.25
HLA21-1-90-5	CAST CU 90 DEG MECH LUG, 1 BRL 1 HOLE	5 PC		1	5	20	C	4121.20	3190.05	2569.28
HLB4-1-X	CAST CU FLAG MECH LUG, 1 BRL 1 HOLE	10 PC		1	10	40	C	1671.20	1306.31	1043.59
HTAP1-1-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	490.31	379.53	305.67
HTAP1/0-1-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	589.76	456.51	367.67
HTAP2-8-L	H-TYPE AL COMPRESSION TAP	50 PC		1	50	200	C	401.30	310.63	250.19
HTAP2/0-1-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	589.76	456.51	367.67
HTAP3/0-1-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	583.26	451.47	363.62
HTAP3/0-3/0-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	953.97	738.43	594.73
HTAP4/0-2-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	817.02	632.42	509.36
HTAP4/0-3/0-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	953.97	738.43	594.73
HTAP4/0-4/0-Q	H-TYPE AL COMPRESSION TAP	25 PC		1	25	100	C	953.97	738.43	594.73
HTAP500-4/0-X	H-TYPE AL COMPRESSION TAP	10 PC		1	10	40	C	2433.47	1883.65	1517.10
HTAP500-500-X	H-TYPE AL COMPRESSION TAP	10 PC		1	10	40	C	2934.80	2271.71	1829.65
HTAP750-4/0-5	H-TYPE AL COMPRESSION TAP	5 PC		1	5	20	C	6808.80	5270.41	4244.82

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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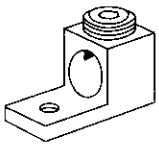
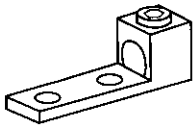
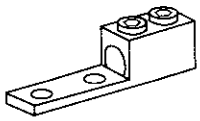


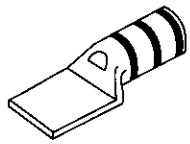
LAMA
Single Barrel,
Aluminum



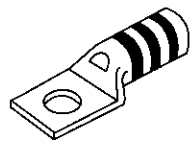
LAMB
Single Barrel,
Aluminum



LAMLB
Single Barrel,
Aluminum



LCA-00
Blank Tongue,
Copper



LCA
Standard Barrel,
Copper

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LAMA800-58-6	AL MECH LUG, 1 BRL, 1 HL, 350-800, 5/8"	6 PC		1	6	24	C	$ 1898.19	$ 1469.31	$ 1183.39
LAMA1000-58-6	AL MECH LUG, 1 BRL, 1 HL, 500-1000, 5/8"	6 PC		1	6	24	C	2236.68	1731.32	1394.42
LAMB350-12-6	AL MECH LUG, 1 BRL, 2 HL, #6-350, 1/2"	6 PC		1	6	24	C	1153.92	893.20	719.39
LAMB600-12-3	AL MECH LUG, 1 BRL, 2 HL, #4-600, 1/2"	3 PC		1	3	12	C	1894.53	1466.48	1181.11
LAMLB800-12-3	AL MECH LUG, 1 BRL, 2 HL, 350-800, 1/2"	3 PC		1	3	12	C	3026.48	2342.67	1886.80
LCA1-00-E	CU LUG, BLANK TONGUE, #1 AWG	20 PC		1	20	80	C	556.03	434.63	347.22
LCA1-12-2	CU LUG, 1 HOLE, #1 AWG, 1/2" BOLT	2 PC	20	2			C	464.06		
LCA1-12-E	CU LUG, 1 HOLE, #1 AWG, 1/2" BOLT	20 PC		1	20	80	C	529.56	413.94	330.69
LCA1-14-2	CU LUG, 1 HOLE, #1 AWG, 1/4" BOLT	2 PC	20	2			C	464.06		
LCA1-14-E	CU LUG, 1 HOLE, #1 AWG, 1/4" BOLT	20 PC	80	1	20	80	C	506.44	395.44	316.81
LCA1-38-2	CU LUG, 1 HOLE, #1 AWG, 3/8" BOLT	2 PC	20	2			C	464.06		
LCA1-38-E	CU LUG, 1 HOLE, #1 AWG, 3/8" BOLT	20 PC	80	1	20	80	C	506.44	395.44	316.81
LCA1-56-2	CU LUG, 1 HOLE, #1 AWG, 5/16" BOLT	2 PC	20	2			C	464.06		
LCA1-56-E	CU LUG, 1 HOLE, #1 AWG, 5/16" BOLT	20 PC	80	1	20	80	C	506.44	395.44	316.81
LCA1/0-00-X	CU LUG, BLANK TONGUE, 1/0 AWG	10 PC		1	10	40	C	570.87	445.75	357.12
LCA1/0-12-2	CU LUG, 1 HOLE, 1/0 AWG, 1/2" BOLT	2 PC	20	2			C	497.05		
LCA1/0-12-X	CU LUG, 1 HOLE, 1/0 AWG, 1/2" BOLT	10 PC	40	1	10	40	C	570.87	445.75	357.12
LCA1/0-14-2	CU LUG, 1 HOLE, 1/0 AWG, 1/4" BOLT	2 PC	20	2			C	497.05		
LCA1/0-14-X	CU LUG, 1 HOLE, 1/0 AWG, 1/4" BOLT	10 PC		1	10	40	C	596.93	466.60	372.76
LCA1/0-38-2	CU LUG, 1 HOLE, 1/0 AWG, 3/8" BOLT	2 PC	20	2			C	497.05		
LCA1/0-38-X	CU LUG, 1 HOLE, 1/0 AWG, 3/8" BOLT	10 PC	40	1	10	40	C	570.87	445.75	357.12
LCA1/0-56-2	CU LUG, 1 HOLE, 1/0 AWG, 5/16" BOLT	2 PC	20	2			C	497.05		
LCA1/0-56-X	CU LUG, 1 HOLE, 1/0 AWG, 5/16" BOLT	10 PC	40	1	10	40	C	570.87	445.75	357.12
LCA2-00-Q	CU LUG, BLANK TONGUE, #2 AWG	25 PC		1	25	100	C	506.63	395.59	316.94
LCA2-12-3	CU LUG, 1 HOLE, #2 AWG, 1/2" BOLT	3 PC	30	3			C	468.10		
LCA2-12-Q	CU LUG, 1 HOLE, #2 AWG, 1/2" BOLT	25 PC		1	25	100	C	506.61	395.57	316.92
LCA2-14-3	CU LUG, 1 HOLE, #2 AWG, 1/4" BOLT	3 PC	30	3			C	468.10		
LCA2-14-Q	CU LUG, 1 HOLE, #2 AWG, 1/4" BOLT	25 PC	100	1	25	100	C	506.63	395.59	316.94
LCA2-38-3	CU LUG, 1 HOLE, #2 AWG, 3/8" BOLT	3 PC	30	3			C	468.10		
LCA2-38-Q	CU LUG, 1 HOLE, #2 AWG, 3/8" BOLT	25 PC	100	1	25	100	C	506.63	395.59	316.94
LCA2-56-3	CU LUG, 1 HOLE, #2 AWG, 5/16" BOLT	3 PC	30	3			C	468.10		
LCA2-56-Q	CU LUG, 1 HOLE, #2 AWG, 5/16" BOLT	25 PC	100	1	25	100	C	506.63	395.59	316.94
LCA2/0-00-X	CU LUG, BLANK TONGUE, 2/0 AWG	10 PC		1	10	40	C	669.79	522.99	419.00
LCA2/0-12-2	CU LUG, 1 HOLE, 2/0 AWG, 1/2" BOLT	2 PC	20	2			C	584.51		
LCA2/0-12-X	CU LUG, 1 HOLE, 2/0 AWG, 1/2" BOLT	10 PC	40	1	10	40	C	669.79	522.99	419.00
LCA2/0-14-X	CU LUG, 1 HOLE, 2/0 AWG, 1/4" BOLT	10 PC		1	10	40	C	700.37	547.45	437.35
LCA2/0-38-2	CU LUG, 1 HOLE, 2/0 AWG, 3/8" BOLT	2 PC	20	2			C	584.51		
LCA2/0-38-X	CU LUG, 1 HOLE, 2/0 AWG, 3/8" BOLT	10 PC	40	1	10	40	C	669.79	522.99	419.00
LCA2/0-56-2	CU LUG, 1 HOLE, 2/0 AWG, 5/16" BOLT	2 PC	20	2			C	584.51		
LCA2/0-56-X	CU LUG, 1 HOLE, 2/0 AWG, 5/16" BOLT	10 PC		1	10	40	C	700.37	547.45	437.35
LCA3/0-00-X	CU LUG, BLANK TONGUE, 3/0 AWG	10 PC		1	10	40	C	787.79	615.12	492.82
LCA3/0-12-X	CU LUG, 1 HOLE, 3/0 AWG, 1/2" BOLT	10 PC	40	1	10	40	C	787.79	615.12	492.82
LCA3/0-14-X	CU LUG, 1 HOLE, 3/0 AWG, 1/4" BOLT	10 PC		1	10	40	C	787.79	615.12	492.82
LCA3/0-38-2	CU LUG, 1 HOLE, 3/0 AWG, 3/8" BOLT	2 PC	20	2			C	687.47		
LCA3/0-38-X	CU LUG, 1 HOLE, 3/0 AWG, 3/8" BOLT	10 PC	40	1	10	40	C	787.79	615.12	492.82
LCA3/0-56-X	CU LUG, 1 HOLE, 3/0 AWG, 5/16" BOLT	10 PC		1	10	40	C	859.73	665.48	535.98
LCA4-00-L	CU LUG, BLANK TONGUE, #4 AWG	50 PC		1	50	200	C	265.67	207.44	166.19
LCA4-10-3	CU LUG, 1 HOLE, #4 AWG, #10 BOLT	3 PC	30	3			C	245.46		
LCA4-10-L	CU LUG, 1 HOLE, #4 AWG, #10 BOLT	50 PC		1	50	200	C	277.80	217.14	173.47
LCA4-14-3	CU LUG, 1 HOLE, #4 AWG, 1/4" BOLT	3 PC	30	3			C	245.46		
LCA4-14-L	CU LUG, 1 HOLE, #4 AWG, 1/4" BOLT	50 PC	200	1	50	200	C	265.67	207.44	166.19
LCA4-38-3	CU LUG, 1 HOLE, #4 AWG, 3/8" BOLT	3 PC	30	3			C	245.46		
LCA4-38-L	CU LUG, 1 HOLE, #4 AWG, 3/8" BOLT	50 PC	200	1	50	200	C	265.67	207.44	166.19
LCA4-56-3	CU LUG, 1 HOLE, #4 AWG, 5/16" BOLT	3 PC	30	3			C	245.46		
LCA4-56-L	CU LUG, 1 HOLE, #4 AWG, 5/16" BOLT	50 PC	200	1	50	200	C	265.67	207.44	166.19

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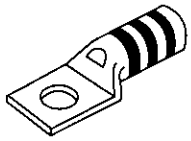
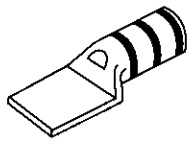


LCA
Standard Barrel,
Copper



LCA-00
Blank Tongue,
Copper

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCA4/0-00-X	CU LUG, BLANK TONGUE, 4/0 AWG	10 PC		1	10	40	C	$ 876.00	$ 684.00	$ 548.00
LCA4/0-12-2	CU LUG, 1 HOLE, 4/0 AWG, 1/2" BOLT	2 PC	20	2			C	764.44		
LCA4/0-12-X	CU LUG, 1 HOLE, 4/0 AWG, 1/2" BOLT	10 PC	40	1	10	40	C	876.00	684.00	548.00
LCA4/0-14-X	CU LUG, 1 HOLE, 4/0 AWG, 1/4" BOLT	10 PC		1	10	40	C	956.00	740.00	596.00
LCA4/0-38-2	CU LUG, 1 HOLE, 4/0 AWG, 3/8" BOLT	2 PC	20	2			C	764.44		
LCA4/0-38-X	CU LUG, 1 HOLE, 4/0 AWG, 3/8" BOLT	10 PC	40	1	10	40	C	876.00	684.00	548.00
LCA4/0-56-X	CU LUG, 1 HOLE, 4/0 AWG, 5/16" BOLT	10 PC		1	10	40	C	956.00	740.00	596.00
LCA6-00-L	CU LUG, BLANK TONGUE, #6 AWG	50 PC		1	50	200	C	201.06	157.00	125.78
LCA6-10-3	CU LUG, 1 HOLE, #6 AWG, #10 BOLT	3 PC	30	3			C	185.79		
LCA6-10-L	CU LUG, 1 HOLE, #6 AWG, #10 BOLT	50 PC		1	50	200	C	210.24	164.34	131.29
LCA6-14-3	CU LUG, 1 HOLE, #6 AWG, 1/4" BOLT	3 PC	30	3			C	185.79		
LCA6-14-L	CU LUG, 1 HOLE, #6 AWG, 1/4" BOLT	50 PC	200	1	50	200	C	201.06	157.00	125.78
LCA6-38-3	CU LUG, 1 HOLE, #6 AWG, 3/8" BOLT	3 PC	30	3			C	185.79		
LCA6-38-L	CU LUG, 1 HOLE, #6 AWG, 3/8" BOLT	50 PC	200	1	50	200	C	201.06	157.00	125.78
LCA6-56-3	CU LUG, 1 HOLE, #6 AWG, 5/16" BOLT	3 PC	30	3			C	185.79		
LCA6-56-L	CU LUG, 1 HOLE, #6 AWG, 5/16" BOLT	50 PC	200	1	50	200	C	201.06	157.00	125.78
LCA8-00-L	CU LUG, BLANK TONGUE, #8 AWG	50 PC		1	50	200	C	183.94	143.62	115.07
LCA8-10-3	CU LUG, 1 HOLE, #8 AWG, #10 BOLT	3 PC	30	3			C	169.95		
LCA8-10-L	CU LUG, 1 HOLE, #8 AWG, #10 BOLT	50 PC	200	1	50	200	C	183.96	143.64	115.08
LCA8-14-3	CU LUG, 1 HOLE, #8 AWG, 1/4" BOLT	3 PC	30	3			C	169.95		
LCA8-14-L	CU LUG, 1 HOLE, #8 AWG, 1/4" BOLT	50 PC	200	1	50	200	C	183.96	143.64	115.08
LCA8-38-3	CU LUG, 1 HOLE, #8 AWG, 3/8" BOLT	3 PC	30	3			C	169.95		
LCA8-38-L	CU LUG, 1 HOLE, #8 AWG, 3/8" BOLT	50 PC	200	1	50	200	C	192.34	150.34	120.11
LCA8-56-3	CU LUG, 1 HOLE, #8 AWG, 5/16" BOLT	3 PC	30	3			C	169.95		
LCA8-56-L	CU LUG, 1 HOLE, #8 AWG, 5/16" BOLT	50 PC		1	50	200	C	192.34	150.34	120.11
LCA250-12-X	CU LUG, 1 HOLE, 250 MCM, 1/2" BOLT	10 PC	40	1	10	40	C	1042.83	814.27	652.37
LCA250-14-X	CU LUG, 1 HOLE, 250 MCM, 1/4" BOLT	10 PC		1	10	40	C	1090.45	852.36	680.94
LCA250-38-X	CU LUG, 1 HOLE, 250 MCM, 3/8" BOLT	10 PC		1	10	40	C	1090.45	852.36	680.94
LCA250-56-X	CU LUG, 1 HOLE, 250 MCM, 5/16" BOLT	10 PC		1	10	40	C	1090.45	852.36	680.94
LCA300-00-X	CU LUG, BLANK TONGUE, 300 MCM	10 PC		1	10	40	C	1183.79	925.32	739.22
LCA300-12-X	CU LUG, 1 HOLE, 300 MCM, 1/2" BOLT	10 PC		1	10	40	C	1132.10	883.97	708.21
LCA300-38-X	CU LUG, 1 HOLE, 300 MCM, 3/8" BOLT	10 PC		1	10	40	C	1132.10	883.97	708.21
LCA300-56-X	CU LUG, 1 HOLE, 300 MCM, 5/16" BOLT	10 PC		1	10	40	C	1235.49	956.34	770.24
LCA300-58-X	CU LUG, 1 HOLE, 300 MCM, 5/8" BOLT	10 PC		1	10	40	C	1183.79	925.32	739.22
LCA300-78-X	CU LUG, 1 HOLE, 300 MCM, 7/8" BOLT	10 PC		1	10	40	C	1183.79	925.32	739.22
LCA350-00-X	CU LUG, BLANK TONGUE, 350 MCM	10 PC		1	10	40	C	1222.33	955.45	763.29
LCA350-12-2	CU LUG, 1 HOLE, 350 MCM, 1/2" BOLT	2 PC	20	2			C	994.93		
LCA350-12-X	CU LUG, 1 HOLE, 350 MCM, 1/2" BOLT	10 PC		1	10	40	C	1164.75	909.46	728.63
LCA350-38-X	CU LUG, 1 HOLE, 350 MCM, 3/8" BOLT	10 PC		1	10	40	C	1164.75	909.46	728.63
LCA350-58-X	CU LUG, 1 HOLE, 350 MCM, 5/8" BOLT	10 PC		1	10	40	C	1217.94	952.01	760.55
LCA350-78-X	CU LUG, 1 HOLE, 350 MCM, 7/8" BOLT	10 PC		1	10	40	C	1217.94	952.01	760.55
LCA400-00-6	CU LUG, BLANK TONGUE, 400 MCM	6 PC		1	6	24	C	1398.71	1093.31	873.43
LCA400-12-6	CU LUG, 1 HOLE, 400 MCM, 1/2" BOLT	6 PC		1	6	24	C	1398.71	1093.31	873.43
LCA400-38-6	CU LUG, 1 HOLE, 400 MCM, 3/8" BOLT	6 PC		1	6	24	C	1398.71	1093.31	873.43
LCA400-58-6	CU LUG, 1 HOLE, 400 MCM, 5/8" BOLT	6 PC		1	6	24	C	1398.66	1093.28	873.40
LCA400-78-6	CU LUG, 1 HOLE, 400 MCM, 7/8" BOLT	6 PC		1	6	24	C	1398.71	1093.31	873.43
LCA500-00-6	CU LUG, BLANK TONGUE, 500 MCM	6 PC		1	6	24	C	1609.74	1256.92	1007.00
LCA500-1-6	CU LUG, 1 HOLE, 500 MCM, 1" BOLT	6 PC		1	6	24	C	1609.74	1256.92	1007.00
LCA500-12-6	CU LUG, 1 HOLE, 500 MCM, 1/2" BOLT	6 PC	24	1	6	24	C	1609.74	1256.92	1007.00
LCA500-34-6	CU LUG, 1 HOLE, 500 MCM, 3/4" BOLT	6 PC		1	6	24	C	1609.74	1256.92	1007.00
LCA500-38-6	CU LUG, 1 HOLE, 500 MCM, 3/8" BOLT	6 PC		1	6	24	C	1609.74	1256.92	1007.00
LCA500-58-1	CU LUG, 1 HOLE, 500 MCM, 5/8" BOLT	1 PC	10	1			C	1327.44		
LCA500-58-6	CU LUG, 1 HOLE, 500 MCM, 5/8" BOLT	6 PC		1	6	24	C	1609.74	1256.92	1007.00
LCA500-78-6	CU LUG, 1 HOLE, 500 MCM, 7/8" BOLT	6 PC		1	6	24	C	1609.74	1256.92	1007.00
LCA600-00-6	CU LUG, BLANK TONGUE, 600 MCM	6 PC		1	6	24	C	3459.72	2678.02	2156.89

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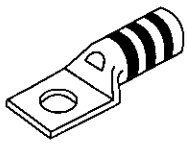
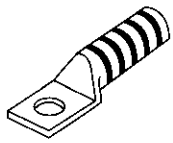


LCAS
Short Barrel,
Copper



LCB
Long Barrel,
Copper

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCAS4-38-L	CU LUG, 1 HOLE SHORT BRL, #4 AWG, 3/8"	50 PC		1	50	200	C	$ 242.02	$ 188.97	$ 151.40
LCAS4-56-L	CU LUG, 1 HOLE SHORT BRL, #4 AWG, 5/16"	50 PC		1	50	200	C	249.11	194.51	155.84
LCAS4-NR12-L	CU LUG, 1 HOLE SHORT BRL, #4 AWG, #12	50 PC		1	50	200	C	260.49	203.61	162.66
LCAS4/0-12-X	CU LUG, 1 HOLE SHORT BRL, 4/0 AWG, 1/2"	10 PC		1	10	40	C	823.42	642.94	515.11
LCAS4/0-14-X	CU LUG, 1 HOLE SHORT BRL, 4/0 AWG, 1/4"	10 PC		1	10	40	C	898.62	695.58	560.23
LCAS4/0-38-X	CU LUG, 1 HOLE SHORT BRL, 4/0 AWG, 3/8"	10 PC		1	10	40	C	823.42	642.94	515.11
LCAS4/0-56-X	CU LUG, 1 HOLE SHORT BRL, 4/0 AWG, 5/16"	10 PC		1	10	40	C	898.62	695.58	560.23
LCAS6-10-L	CU LUG, 1 HOLE SHORT BRL, #6 AWG, #10	50 PC		1	50	200	C	195.82	153.06	122.28
LCAS6-14-L	CU LUG, 1 HOLE SHORT BRL, #6 AWG, 1/4"	50 PC		1	50	200	C	187.27	146.22	117.15
LCAS6-38-3	CU LUG, 1 HOLE SHORT BRL, #6 AWG, 3/8"	3 PC	30	3			C	170.69		
LCAS6-38-L	CU LUG, 1 HOLE SHORT BRL, #6 AWG, 3/8"	50 PC		1	50	200	C	189.00	147.57	118.23
LCAS6-56-L	CU LUG, 1 HOLE SHORT BRL, #6 AWG, 5/16"	50 PC		1	50	200	C	189.00	147.57	118.23
LCAS8-10-3	CU LUG, 1 HOLE SHORT BRL, #8 AWG, #10	3 PC	30	3			C	156.35		
LCAS8-10-L	CU LUG, 1 HOLE SHORT BRL, #8 AWG, #10	50 PC		1	50	200	C	173.12	135.18	108.30
LCAS8-14-L	CU LUG, 1 HOLE SHORT BRL, #8 AWG, 1/4"	50 PC		1	50	200	C	173.12	135.18	108.30
LCAS8-38-L	CU LUG, 1 HOLE SHORT BRL, #8 AWG, 3/8"	50 PC		1	50	200	C	181.02	141.50	113.04
LCAS8-56-L	CU LUG, 1 HOLE SHORT BRL, #8 AWG, 5/16"	50 PC		1	50	200	C	181.02	141.50	113.04
LCAS250-12-X	CU LUG, 1 HOLE SHORT BRL, 250 MCM, 1/2"	10 PC		1	10	40	C	980.24	765.40	613.21
LCAS250-14-X	CU LUG, 1 HOLE SHORT BRL, 250 MCM, 1/4"	10 PC		1	10	40	C	1025.00	801.20	640.07
LCAS250-38-X	CU LUG, 1 HOLE SHORT BRL, 250 MCM, 3/8"	10 PC		1	10	40	C	1025.00	801.20	640.07
LCAS250-56-X	CU LUG, 1 HOLE SHORT BRL, 250 MCM, 5/16"	10 PC		1	10	40	C	1025.00	801.20	640.07
LCB1-10-E	CU LUG, 1 HOLE, LONG BRL, #1 AWG, #10	20 PC		1	20	80	C	602.28	466.20	375.48
LCB1-56-2	CU LUG, 1 HOLE, LONG BRL, #1 AWG, 5/16"	2 PC	20	2			C	476.78		
LCB1-56-E	CU LUG, 1 HOLE, LONG BRL, #1 AWG, 5/16"	20 PC		1	20	80	C	602.28	466.20	375.48
LCB1/0-10-X	CU LUG, 1 HOLE, LONG BRL, 1/0 AWG, #10	10 PC		1	10	40	C	568.31	443.75	355.52
LCB1/0-12-X	CU LUG, 1 HOLE, LONG BRL, 1/0 AWG, 1/2"	10 PC		1	10	40	C	568.31	443.75	355.52
LCB1/0-38-X	CU LUG, 1 HOLE, LONG BRL, 1/0 AWG, 3/8"	10 PC		1	10	40	C	568.31	443.75	355.52
LCB1/0-56-X	CU LUG, 1 HOLE, LONG BRL, 1/0 AWG, 5/16"	10 PC		1	10	40	C	620.21	480.08	386.66
LCB2-10-Q	CU LUG, 1 HOLE, LONG BRL, #2 AWG, #10	25 PC		1	25	100	C	531.35	415.33	331.80
LCB2-56-3	CU LUG, 1 HOLE, LONG BRL, #2 AWG, 5/16"	3 PC	30	3			C	458.98		
LCB2-56-Q	CU LUG, 1 HOLE, LONG BRL, #2 AWG, 5/16"	25 PC	100	1	25	100	C	531.35	415.33	331.80
LCB2/0-12-X	CU LUG, 1 HOLE, LONG BRL, 2/0 AWG, 1/2"	10 PC		1	10	40	C	658.69	514.32	412.05
LCB2/0-38-X	CU LUG, 1 HOLE, LONG BRL, 2/0 AWG, 3/8"	10 PC	40	1	10	40	C	658.69	514.32	412.05
LCB3/0-12-X	CU LUG, 1 HOLE, LONG BRL, 3/0 AWG, 1/2"	10 PC		1	10	40	C	880.45	681.52	548.90
LCB3/0-38-X	CU LUG, 1 HOLE, LONG BRL, 3/0 AWG, 3/8"	10 PC		1	10	40	C	880.45	681.52	548.90
LCB4-10-L	CU LUG, 1 HOLE, LONG BRL, #4 AWG, #10	50 PC		1	50	200	C	290.72	225.03	181.24
LCB4-14-3	CU LUG, 1 HOLE, LONG BRL, #4 AWG, 1/4"	3 PC	30	3			C	240.61		
LCB4-14-L	CU LUG, 1 HOLE, LONG BRL, #4 AWG, 1/4"	50 PC		1	50	200	C	278.56	217.74	173.95
LCB4/0-12-X	CU LUG, 1 HOLE, LONG BRL, 4/0 AWG, 1/2"	10 PC	40	1	10	40	C	908.67	709.51	568.44
LCB4/0-38-X	CU LUG, 1 HOLE, LONG BRL, 4/0 AWG, 3/8"	10 PC		1	10	40	C	950.17	742.71	593.34
LCB6-10-L	CU LUG, 1 HOLE, LONG BRL, #6 AWG, #10	50 PC		1	50	200	C	211.42	163.65	131.81
LCB6-14-3	CU LUG, 1 HOLE, LONG BRL, #6 AWG, 1/4"	3 PC	30	3			C	174.98		
LCB6-14-L	CU LUG, 1 HOLE, LONG BRL, #6 AWG, 1/4"	50 PC	200	1	50	200	C	208.37	162.87	130.12
LCB6-38-3	CU LUG, 1 HOLE, LONG BRL, #6 AWG, 3/8"	3 PC	30	3			C	174.98		
LCB6-38-L	CU LUG, 1 HOLE, LONG BRL, #6 AWG, 3/8"	50 PC		1	50	200	C	202.57	158.34	126.50
LCB8-10-L	CU LUG, 1 HOLE, LONG BRL, #8 AWG, #10	50 PC		1	50	200	C	198.70	153.81	123.88
LCB8-14-3	CU LUG, 1 HOLE, LONG BRL, #8 AWG, 1/4"	3 PC	30	3			C	164.45		
LCB8-14-L	CU LUG, 1 HOLE, LONG BRL, #8 AWG, 1/4"	50 PC		1	50	200	C	198.70	153.81	123.88
LCB250-12-X	CU LUG, 1 HOLE, LONG BRL, 250 MCM, 1/2"	10 PC		1	10	40	C	1060.77	828.27	663.59
LCB250-78-X	CU LUG, 1 HOLE, LONG BRL, 250 MCM, 7/8"	10 PC		1	10	40	C	1549.44	1199.36	965.97
LCB300-12-X	CU LUG, 1 HOLE, LONG BRL, 300 MCM, 1/2"	10 PC		1	10	40	C	1333.62	1032.30	831.42
LCB300-38-X	CU LUG, 1 HOLE, LONG BRL, 300 MCM, 3/8"	10 PC		1	10	40	C	1333.62	1032.30	831.42
LCB300-56-X	CU LUG, 1 HOLE, LONG BRL, 300 MCM, 5/16"	10 PC		1	10	40	C	1341.15	1038.13	836.11
LCB350-12-2	CU LUG, 1 HOLE, LONG BRL, 350 MCM, 1/2"	2 PC	20	2			C	1087.28		
LCB350-12-X	CU LUG, 1 HOLE, LONG BRL, 350 MCM, 1/2"	10 PC		1	10	40	C	1258.53	982.69	787.30

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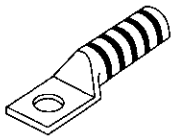
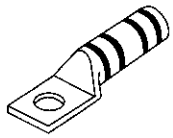
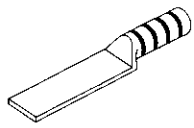


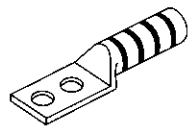
LCB
Long Barrel,
Copper



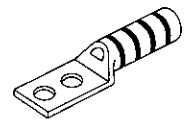
LCBH
High Voltage,
Copper



LCC
Long Barrel,
Blank Tongue



LCC
Long Barrel,
Copper



LCC-W
Long Barrel,
Inspection Window

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCB350-78-X	CU LUG, 1 HOLE, LONG BRL, 350 MCM, 7/8"	10 PC		1	10	40	C	$ 1837.62	$ 1422.43	$ 1145.63
LCB400-12-6	CU LUG, 1 HOLE, LONG BRL, 400 MCM, 1/2"	6 PC		1	6	24	C	1635.41	1265.90	1019.56
LCB400-38-6	CU LUG, 1 HOLE, LONG BRL, 400 MCM, 3/8"	6 PC		1	6	24	C	1635.41	1265.90	1019.56
LCB400-58-6	CU LUG, 1 HOLE, LONG BRL, 400 MCM, 5/8"	6 PC		1	6	24	C	1635.41	1265.90	1019.56
LCB400-78-6	CU LUG, 1 HOLE, LONG BRL, 400 MCM, 7/8"	6 PC		1	6	24	C	2155.61	1668.57	1343.88
LCB500-12-6	CU LUG, 1 HOLE, LONG BRL, 500 MCM, 1/2"	6 PC		1	6	24	C	1798.78	1404.53	1125.26
LCB500-58-6	CU LUG, 1 HOLE, LONG BRL, 500 MCM, 5/8"	6 PC		1	6	24	C	1963.05	1519.52	1223.83
LCB500-78-6	CU LUG, 1 HOLE, LONG BRL, 500 MCM, 7/8"	6 PC		1	6	24	C	2637.84	2041.85	1644.51
LCB600-12-6	CU LUG, 1 HOLE, LONG BRL, 600 MCM, 1/2"	6 PC		1	6	24	C	3348.47	2614.56	2094.70
LCB600-58-6	CU LUG, 1 HOLE, LONG BRL, 600 MCM, 5/8"	6 PC		1	6	24	C	3654.26	2828.61	2278.18
LCB750-58-6	CU LUG, 1 HOLE, LONG BRL, 750 MCM, 5/8"	6 PC		1	6	24	C	3349.41	2615.29	2095.29
LCB750-78-6	CU LUG, 1 HOLE, LONG BRL, 750 MCM, 7/8"	6 PC		1	6	24	C	5084.80	3935.93	3170.02
LCB800-58-6	CU LUG, 1 HOLE, LONG BRL, 800 MCM, 5/8"	6 PC		1	6	24	C	5941.92	4599.40	3704.38
LCB1000-58-3	CU LUG, 1 HOLE, LONG BRL, 1000 MCM, 5/8"	3 PC		1	3	12	C	7578.36	5866.09	4724.58
LCBH1-38-E	CU HIGH VOLT LUG, 1 HOLE, #1 AWG, 3/8"	20 PC		1	20	80	C	977.41	756.58	609.35
LCBH1/0-38-X	CU HIGH VOLT LUG, 1 HOLE, 1/0 AWG, 3/8"	10 PC		1	10	40	C	1107.96	857.62	690.73
LCBH2-38-Q	CU HIGH VOLT LUG, 1 HOLE, #2 AWG, 3/8"	25 PC		1	25	100	C	865.49	669.94	539.57
LCBH2/0-12-X	CU HIGH VOLT LUG, 1 HOLE, 2/0 AWG, 1/2"	10 PC		1	10	40	C	1183.60	916.18	737.89
LCBH3/0-12-X	CU HIGH VOLT LUG, 1 HOLE, 3/0 AWG, 1/2"	10 PC		1	10	40	C	1304.89	1010.06	813.51
LCBH4-38-L	CU HIGH VOLT LUG, 1 HOLE, #4 AWG, 3/8"	50 PC		1	50	200	C	778.38	602.51	485.26
LCBH4/0-12-X	CU HIGH VOLT LUG, 1 HOLE, 4/0 AWG, 1/2"	10 PC		1	10	40	C	1444.95	1118.47	900.82
LCBH250-12-X	CU HIGH VOLT LUG, 1 HOLE, 250 MCM, 1/2"	10 PC		1	10	40	C	1568.08	1213.79	977.59
LCC1-00-E	CU LUG, BLANK TONGUE, LONG BRL, #1 AWG	20 PC		1	20	80	C	881.55	682.37	549.59
LCC1-12-2	CU LUG, 2 HOLE, LONG BRL, #1 AWG, 1/2"	2 PC	20	2			C	704.92		
LCC1-12-E	CU LUG, 2 HOLE, LONG BRL, #1 AWG, 1/2"	20 PC		1	20	80	C	881.55	682.37	549.59
LCC1-12W-E	CU LUG, 2 HL, LG BRL,WINDOW,#1 AWG, 1/2"	20 PC		1	20	80	C	1014.91	785.60	632.73
LCC1-14A-E	CU LUG, 2 HOLE, LONG BRL, #1 AWG, 1/4"	20 PC		1	20	80	C	834.52	645.96	520.26
LCC1-14AW-E	CU LUG, 2 HL, LG BRL,WINDOW,#1 AWG, 1/4"	20 PC		1	20	80	C	1014.91	785.60	632.73
LCC1-14B-E	CU LUG, 2 HOLE, LONG BRL, #1 AWG, 1/4"	20 PC		1	20	80	C	834.52	645.96	520.26
LCC1-14BW-E	CU LUG, 2 HL, LG BRL,WINDOW,#1 AWG, 1/4"	20 PC		1	20	80	C	1014.91	785.60	632.73
LCC1-38D-E	CU LUG, 2 HOLE, LONG BRL, #1 AWG, 3/8"	20 PC		1	20	80	C	834.52	645.96	520.26
LCC1-38DW-E	CU LUG, 2 HL, LG BRL,WINDOW,#1 AWG, 3/8"	20 PC		1	20	80	C	1014.91	785.60	632.73
LCC1-56B-E	CU LUG, 2 HOLE, LONG BRL, #1 AWG, 5/16"	20 PC		1	20	80	C	834.52	645.96	520.26
LCC1-56BW-E	CU LUG, 2 HL, LG BRL,WINDOW,#1 AWG, 5/16"	20 PC		1	20	80	C	1014.91	785.60	632.73
LCC1-56C-E	CU LUG, 2 HOLE, LONG BRL, #1 AWG, 5/16"	20 PC		1	20	80	C	834.52	645.96	520.26
LCC1-56CW-E	CU LUG, 2 HL, LG BRL,WINDOW,#1 AWG,5/16"	20 PC		1	20	80	C	1014.91	785.60	632.73
LCC1/0-00-X	CU LUG, BLANK TONGUE, LONG BRL, 1/0 AWG	10 PC		1	10	40	C	962.24	744.83	599.89
LCC1/0-12-2	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 1/2"	2 PC	20	2			C	769.42		
LCC1/0-12-X	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 1/2"	10 PC		1	10	40	C	881.72	688.46	551.58
LCC1/0-12D-X	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 1/2"	10 PC		1	10	40	C	874.29	682.67	546.93
LCC1/0-12DW-X	CU LUG, 2 HL, LG BRL,WINDOW,1/0 AWG,1/2"	10 PC		1	10	40	C	1015.09	792.60	635.01
LCC1/0-12W-X	CU LUG, 2 HL, LG BRL,WINDOW,1/0 AWG,1/2"	10 PC		1	10	40	C	1015.09	792.60	635.01
LCC1/0-14A-X	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 1/4"	10 PC		1	10	40	C	874.29	682.67	546.93
LCC1/0-14AW-X	CU LUG, 2 HL, LG BRL,WINDOW,1/0 AWG,1/4"	10 PC		1	10	40	C	1015.09	792.60	635.01
LCC1/0-14B-X	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 1/4"	10 PC		1	10	40	C	874.29	682.67	546.93
LCC1/0-14BW-X	CU LUG, 2 HL, LG BRL,WINDOW,1/0 AWG,1/4"	10 PC		1	10	40	C	1015.09	792.60	635.01
LCC1/0-14DW-X	CU LUG, 2 HL, LG BRL,WINDOW,1/0 AWG,1/4"	10 PC		1	10	40	C	1015.09	792.60	635.01
LCC1/0-38D-X	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 3/8"	10 PC		1	10	40	C	874.29	682.67	546.93
LCC1/0-38DW-X	CU LUG, 2 HL, LG BRL,WINDOW,1/0 AWG,3/8"	10 PC		1	10	40	C	1015.09	792.60	635.01
LCC1/0-38W-X	CU LUG, 2 HL, LG BRL,WINDOW,1/0 AWG,3/8"	10 PC		1	10	40	C	1015.09	792.60	635.01
LCC1/0-56C-X	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 5/16"	10 PC		1	10	40	C	874.29	682.67	546.93
LCC1/0-56D-X	CU LUG, 2 HOLE, LONG BRL, 1/0 AWG, 5/16"	10 PC		1	10	40	C	874.29	682.67	546.93
LCC2-00-Q	CU LUG, BLANK TONGUE, LONG BRL, #2 AWG	25 PC		1	25	100	C	809.40	626.52	504.60
LCC2-10BW-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG, #10	25 PC		1	50	200	C	873.81	682.29	546.63
LCC2-12-3	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 1/2"	3 PC	30	3			C	685.28		

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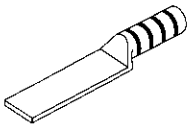
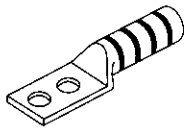
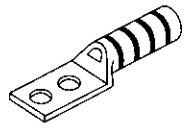


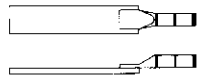
LCC
Long Barrel,
Blank Tongue



LCC
Long Barrel,
Copper



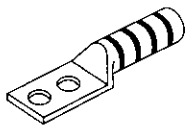
LCC-W
Long Barrel,
Inspection Window



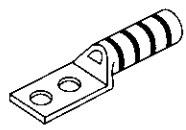
LCC4-12, LCC6-12
2-Piece Construction,
Blank Tongue

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCC2-12-Q	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 1/2"	25 PC		1	25	100	C	$ 775.53	$ 606.20	$ 484.28
LCC2-12W-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,1/2"	25 PC		1	50	200	C	873.81	682.29	546.63
LCC2-14A-Q	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 1/4"	25 PC		1	25	100	C	718.05	561.27	448.39
LCC2-14AW-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,1/4"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2-14B-Q	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 1/4"	25 PC		1	25	100	C	718.05	561.27	448.39
LCC2-14BW-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,1/4"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2-14DW-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,1/4"	25 PC		1	50	200	C	873.81	682.29	546.63
LCC2-38-3	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 3/8"	3 PC	30	3			C	634.51		
LCC2-38-Q	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 3/8"	25 PC		1	25	100	C	718.05	561.27	448.39
LCC2-38BW-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,3/8"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2-38CW-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,3/8"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2-38D-Q	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 3/8"	25 PC		1	25	100	C	718.05	561.27	448.39
LCC2-38DW-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,3/8"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2-38W-Q	CU LUG, 2 HL, LG BRL,WINDOW, #2 AWG,3/8"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2-56B-Q	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 5/16"	25 PC		1	25	100	C	718.05	561.27	448.39
LCC2-56BW-Q	CU LUG, 2 HL, LG BRL,WINDOW,#2 AWG,5/16"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2-56C-Q	CU LUG, 2 HOLE, LONG BRL, #2 AWG, 5/16"	25 PC		1	25	100	C	718.05	561.27	448.39
LCC2-56CW-Q	CU LUG, 2 HL, LG BRL,WINDOW,#2 AWG,5/16"	25 PC		1	25	100	C	913.71	714.21	570.57
LCC2/0-00-X	CU LUG, BLANK TONGUE, LONG BRL, 2/0 AWG	10 PC		1	10	40	C	993.59	769.10	619.44
LCC2/0-12-2	CU LUG, 2 HOLE, LONG BRL, 2/0 AWG, 1/2"	2 PC	20	2			C	794.52		
LCC2/0-12-X	CU LUG, 2 HOLE, LONG BRL, 2/0 AWG, 1/2"	10 PC		1	10	40	C	910.45	710.90	569.55
LCC2/0-12D-X	CU LUG, 2 HOLE, LONG BRL, 2/0 AWG, 1/2"	10 PC		1	10	40	C	910.45	710.90	569.55
LCC2/0-12DW-X	CU LUD, 2 HL, LG BRL,WINDOW,#2/0 AWG,1/2"	10 PC		1	10	40	C	1036.13	809.04	648.17
LCC2/0-12W-X	CU LUG, 2 HL, LG BRL,WINDOW,#2/0 AWG,1/2"	10 PC		1	10	40	C	1036.13	809.04	648.17
LCC2/0-14A-X	CU LUG, 2 HOLE, LONG BRL, 2/0 AWG, 1/4"	10 PC		1	10	40	C	894.51	698.45	559.58
LCC2/0-14AW-X	CU LUG, 2 HL, LG BRL,WINDOW,#2/0 AWG,1/4"	10 PC		1	10	40	C	1036.13	809.04	648.17
LCC2/0-14B-X	CU LUG, 2 HOLE, LONG BRL, 2/0 AWG, 1/4"	10 PC		1	10	40	C	894.51	698.45	559.58
LCC2/0-14BW-X	CU LUG, 2 HL, LG BRL,WINDOW,#2/0 AWG,1/4"	10 PC		1	10	40	C	1036.13	809.04	648.17
LCC2/0-38D-X	CU LUG, 2 HOLE, LONG BRL, 2/0 AWG, 3/8"	10 PC		1	10	40	C	894.51	698.45	559.58
LCC2/0-38DW-X	CU LUG, 2 HL, LG BRL,WINDOW,#2/0 AWG,3/8"	10 PC		1	10	40	C	1036.13	809.04	648.17
LCC2/0-56D-X	CU LUG, 2 HOLE, LONG BRL, 2/0 AWG, 5/16"	10 PC		1	10	40	C	894.51	698.45	559.58
LCC2/0-56DW-X	CU LUG, 2 HL, LG BRL,WINDOW,2/0 AWG,5/16"	10 PC		1	10	40	C	1036.13	809.04	648.17
LCC3/0-00-X	CU LUG, BLANK TONGUE, LONG BRL, 3/0 AWG	10 PC		1	10	40	C	1168.14	904.21	728.25
LCC3/0-12-2	CU LUG, 2 HOLE, LONG BRL, 3/0 AWG, 1/2"	2 PC	20	2			C	916.69		
LCC3/0-12-X	CU LUG, 2 HOLE, LONG BRL, 3/0 AWG, 1/2"	10 PC		1	10	40	C	1098.42	858.59	685.91
LCC3/0-12D-X	CU LUG, 2 HOLE, LONG BRL, 3/0 AWG, 1/2"	10 PC		1	10	40	C	1050.46	820.22	657.13
LCC3/0-12DW-X	CU LUG, 2 HL, LG BRL,WINDOW,3/0 AWG,1/2"	10 PC		1	10	40	C	1161.25	906.73	726.44
LCC3/0-12W-X	CU LUG, 2 HL, LG BRL,WINDOW,3/0 AWG,1/2"	10 PC		1	10	40	C	1161.25	906.73	726.44
LCC3/0-14B-X	CU LUG, 2 HOLE, LONG BRL, 3/0 AWG, 1/4"	10 PC		1	10	40	C	1050.46	820.22	657.13
LCC3/0-14BW-X	CU LUG, 2 HL, LG BRL,WINDOW,3/0 AWG,1/4"	10 PC		1	10	40	C	1161.25	906.73	726.44
LCC3/0-38D-X	CU LUG, 2 HOLE, LONG BRL, 3/0 AWG, 3/8"	10 PC		1	10	40	C	1050.46	820.22	657.13
LCC3/0-38DW-X	CU LUG, 2 HL, LG BRL,WINDOW,3/0 AWG,3/8"	10 PC		1	10	40	C	1161.25	906.73	726.44
LCC3/0-56D-X	CU LUG, 2 HL, LG BRL,WINDOW,3/0 AWG,5/16"	10 PC		1	10	40	C	1050.70	820.41	657.28
LCC3/0-56DW-X	CU LUG, 2 HL, LG BRL,WINDOW,3/0 AWG,5/16"	10 PC		1	10	40	C	1161.25	906.73	726.44
LCC4-00-L	CU LUG, BLANK TONGUE, LONG BRL, #4 AWG	50 PC		1	50	200	C	1338.78	1036.30	834.64
LCC4-10BW-L	CU LUG, 2 HL, LG BRL,WINDOW, #4 AWG, #10	50 PC		1	50	200	C	809.71	632.24	506.53
LCC4-12-L	CU LUG, 2 HOLE, LONG BRL, #4 AWG, 1/2"	50 PC		1	50	200	C	1293.80	1011.31	807.92
LCC4-12W-L	CU LUG, 2 HL, LG BRL,WINDOW,#4 AWG, 1/2"	50 PC		1	50	200	C	1299.52	1014.70	812.94
LCC4-14A-3	CU LUG, 2 HOLE, LONG BRL, #4 AWG, 1/4"	3 PC	30	3			C	556.33		
LCC4-14A-L	CU LUG, 2 HL, LONG BRL, #4 AWG, 1/4"	50 PC		1	50	200	C	602.10	470.13	376.65
LCC4-14AW-L	CU LUG, 2 HL, LG BRL,WINDOW, #4 AWG,1/4"	50 PC		1	50	200	C	809.71	632.24	506.53
LCC4-14B-L	CU LUG, 2 HOLE, LONG BRL, #4 AWG, 1/4"	50 PC		1	50	200	C	602.10	470.13	376.65
LCC4-14BW-L	CU LUG, 2 HL, LG BRL,WINDOW, #4 AWG,1/4"	50 PC		1	50	200	C	809.71	632.24	506.53
LCC4-14DW-L	CU LUG, 2 HL, LG BRL,WINDOW, #4 AWG,1/4"	50 PC		1	50	200	C	809.71	632.24	506.53
LCC4-38D-L	CU LUG, 2 HOLE, LONG BRL, #4 AWG, 3/8"	50 PC		1	50	200	C	602.10	470.13	376.65

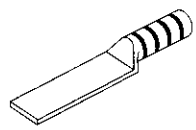
UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



LCC
Long Barrel,
Copper



LCC-W
Long Barrel,
Inspection Window



LCC
Long Barrel,
Blank Tongue

LCC6-12
2-Piece Construction,
Blank Tongue

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCC4-38DW-L	CU LUG, 2 HL, LG BRL,WINDOW, #4 AWG,3/8"	50 PC		1	50	200	C	$ 809.71	$ 632.24	$ 506.53
LCC4/0-00-X	CU LUG, BLANK TONGUE, LONG BRL, 4/0 AWG	10 PC		1	10	40	C	1272.36	984.88	793.23
LCC4/0-12-2	CU LUG, 2 HOLE, LONG BRL, 4/0 AWG, 1/2"	2 PC	20	2			C	1040.08		
LCC4/0-12-X	CU LUG, 2 HOLE, LONG BRL, 4/0 AWG, 1/2"	10 PC		1	10	40	C	1165.89	910.35	729.35
LCC4/0-12D-X	CU LUG, 2 HOLE, LONG BRL, 4/0 AWG, 1/2"	10 PC		1	10	40	C	1165.89	910.35	729.35
LCC4/0-12DW-X	CU LUG, 2 HL, LG BRL,WINDOW,4/0 AWG,1/2"	10 PC		1	10	40	C	1290.02	1007.28	807.00
LCC4/0-12W-X	CU LUG, 2 HL, LG BRL,WINDOW,4/0 AWG,1/2"	10 PC		1	10	40	C	1290.02	1007.28	807.00
LCC4/0-14AW-X	CU LUG, 2 HL, LG BRL,WINDOW,4/0 AWG,1/4"	10 PC		1	10	40	C	1290.02	1007.28	807.00
LCC4/0-14B-X	CU LUG, 2 HOLE, LONG BRL, 4/0 AWG, 1/4"	10 PC		1	10	40	C	1130.04	882.36	706.92
LCC4/0-14BW-X	CU LUG, 2 HL, LG BRL, WNDOW,4/0 AWG,1/4"	10 PC		1	10	40	C	1290.02	1007.28	807.00
LCC4/0-38-X	CU LUG, 2 HOLE, LONG BRL, 4/0 AWG, 3/8"	10 PC		1	10	40	C	1130.04	882.36	706.92
LCC4/0-38D-X	CU LUG, 2 HOLE, LONG BRL, 4/0 AWG, 3/8"	10 PC		1	10	40	C	1130.04	882.36	706.92
LCC4/0-38DW-X	CU LUG, 2 HL, LG BRL,WINDOW,4/0 AWG,3/8"	10 PC		1	10	40	C	1290.02	1007.28	807.00
LCC4/0-38W-X	CU LUG, 2 HL, LG BRL,WINDOW,4/0 AWG,3/8"	10 PC		1	10	40	C	1290.02	1007.28	807.00
LCC4/0-56D-X	CU LUG, 2 HOLE, LONG BRL, 4/0 AWG, 5/16"	10 PC		1	10	40	C	1130.04	882.36	706.92
LCC4/0-56DW-X	CU LUG, 2 HL, LG BRL,WINDOW,4/0 AWG,5/16"	10 PC		1	10	40	C	1290.02	1007.28	807.00
LCC6-00-L	CU LUG, BLANK TONGUE, LONG BRL, #6 AWG	50 PC		1	50	200	C	1277.96	989.21	796.72
LCC6-10A-L	CU LUG, 2 HOLE, LONG BRL, #6 AWG, #10	50 PC		1	50	200	C	541.39	422.73	338.68
LCC6-10AW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWGM #10	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-10BW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWGM #10	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-12-3	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 1/2"	3 PC	30	3			C	1082.02		
LCC6-12-L	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 1/2"	50 PC		1	50	200	C	1224.49	957.13	764.64
LCC6-14A-3	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 1/4"	3 PC	30	3			C	500.24		
LCC6-14A-L	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 1/4"	50 PC		1	50	200	C	541.39	422.73	338.68
LCC6-14AW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWG,1/4"	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-14B-L	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 1/4"	50 PC		1	50	200	C	541.39	422.73	338.68
LCC6-14BW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWG,1/4"	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-14D-L	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 1/4"	50 PC		1	50	200	C	541.39	422.73	338.68
LCC6-14DW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWG,1/4"	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-38BW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWG,3/8"	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-38CW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWG,3/8"	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-38D-3	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 3/8"	3 PC	30	3			C	500.24		
LCC6-38D-L	CU LUG, 2 HOLE, LONG BRL, #6 AWG, 3/8"	50 PC		1	50	200	C	541.39	422.73	338.68
LCC6-38DW-L	CU LUG, 2 HL, LG BRL,WINDOW, #6 AWG,3/8"	50 PC		1	50	200	C	761.13	594.31	476.14
LCC6-56BW-L	CU LUG, 2 HL, LG BRL,WINDOW,#6 AWG,5/16"	50 PC		1	50	200	C	761.13	594.31	476.14
LCC8-00-L	CU LUG, BLANK TONGUE, LONG BRL, #8 AWG	50 PC		1	50	200	C	1040.91	812.76	651.16
LCC8-10A-L	CU LUG, 2 HOLE, LONG BRL, #8 AWG, #10	50 PC		1	50	200	C	478.23	373.41	299.17
LCC8-10AW-L	CU LUG, 2 HL, LG BRL,WINDOW, #8 AWG, #10	50 PC		1	50	200	C	542.68	423.74	339.49
LCC8-10BW-L	CU LUG, 2 HL, LG BRL,WINDOW, 38 AWG, #10	50 PC		1	50	200	C	542.68	423.74	339.49
LCC8-14A-L	CU LUG, 2 HOLE, LONG BRL, #8 AWG, 1/4"	50 PC		1	50	200	C	478.23	373.41	299.17
LCC8-14AW-L	CU LUG, 2 HL, LG BRL,WINDOW, 38 AWG,1/4"	50 PC		1	50	200	C	542.68	423.74	339.49
LCC8-14B-L	CU LUG, 2 HOLE, LONG BRL, #8 AWG, 1/4"	50 PC		1	50	200	C	478.23	373.41	299.17
LCC8-14BW-L	CU LUG, 2 HL, LG BRL,WINDOW, #8 AWG,1/4"	50 PC		1	50	200	C	542.68	423.74	339.49
LCC8-14D-L	CU LUG, 2 HOLE, LONG BRL, #8 AWG, 1/4"	50 PC		1	50	200	C	478.23	373.41	299.17
LCC8-14DW-L	CU LUG, 2 HL, LG BRL,WINDOW, #8 AWG,1/4"	50 PC		1	50	200	C	542.68	423.74	339.49
LCC8-38D-L	CU LUG, 2 HOLE, LONG BRL, #8 AWG, 3/8"	50 PC		1	50	200	C	478.23	373.41	299.17
LCC8-38DW-L	CU LUG, 2 HL, LG BRL,WINDOW, #8 AWG,3/8"	50 PC		1	50	200	C	542.68	423.74	339.49
LCC250-00-X	CU LUG, BLANK TONGUE, LONG BRL, 250 MCM	10 PC		1	10	40	C	1529.77	1184.13	953.70
LCC250-12-2	CU LUG, 2 HOLE, LONG BRL, 250 MCM, 1/2"	2 PC	20	2			C	1223.25		
LCC250-12-X	CU LUG, 2 HOLE, LONG BRL, 250 MCM, 1/2"	10 PC		1	10	40	C	1401.75	1094.52	876.90
LCC250-12D-X	CU LUG, 2 HOLE, LONG BRL, 250 MCM, 1/2"	10 PC		1	10	40	C	1401.75	1094.52	876.90
LCC250-12DW-X	CU LUG, 2 HL, LG BRL,WINDOW, 250 MCM,1/2"	10 PC		1	10	40	C	1595.26	1245.62	997.95
LCC250-12W-X	CU LUG, 2 HL, LG BRL,WINDOW, 250 MCM,1/2"	10 PC		1	10	40	C	1595.26	1245.62	997.95
LCC250-38D-X	CU LUG, 2 HOLE, LONG BRL, 250 MCM, 3/8"	10 PC		1	10	40	C	1401.75	1094.52	876.90
LCC250-38DW-X	CU LUG, 2 HL, LG BRL,WINDOW, 250 MCM,3/8"	10 PC		1	10	40	C	1595.26	1245.62	997.95

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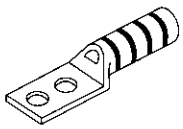
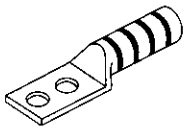
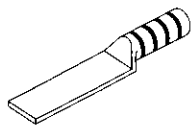


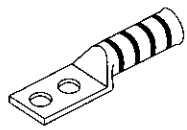
LCC-W
Long Barrel,
Inspection Window



LCC
Long Barrel,
Copper



LCC
Long Barrel,
Blank Tongue



LCCF
Flared Barrel,
Copper

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCC250-56DW-X	CU LUG, 2 HL, LG BRL,WINDOW,250 MCM,5/16"	10 PC		1	10	40	C	$ 2409.37	$ 1881.29	$ 1507.23
LCC300-00-X	CU LUG, BLANK TONGUE, LONG BRL, 300 MCM	10 PC		1	10	40	C	1856.34	1436.91	1157.30
LCC300-12-X	CU LUG, 2 HOLE, LONG BRL, 300 MCM, 1/2"	10 PC		1	10	40	C	1700.99	1328.17	1064.09
LCC300-38D-X	CU LUG, 2 HOLE, LONG BRL, 300 MCM, 3/8"	10 PC		1	10	40	C	1700.99	1328.17	1064.09
LCC350-00-X	CU LUG, BLANK TONGUE, LONG BRL, 350 MCM	10 PC		1	10	40	C	1900.22	1470.88	1184.65
LCC350-12-2	CU LUG, 2 HOLE, LONG BRL, 350 MCM, 1/2"	2 PC	20	2			C	1439.49		
LCC350-12-X	CU LUG, 2 HOLE, LONG BRL, 350 MCM, 1/2"	10 PC		1	10	40	C	1741.20	1359.57	1089.25
LCC350-14B-X	CU LUG, 2 HOLE, LONG BRL, 350 MCM, 1/4"	10 PC		1	10	40	C	1741.20	1359.57	1089.25
LCC350-38D-X	CU LUG, 2 HOLE, LONG BRL, 350 MCM, 3/8"	10 PC		1	10	40	C	1741.20	1359.57	1089.25
LCC400-00-6	CU LUG, BLANK TONGUE, LONG BRL, 400 MCM	6 PC		1	6	24	C	2269.52	1756.74	1414.89
LCC400-12-6	CU LUG, 2 HOLE, LONG BRL, 400 MCM, 1/2"	6 PC		1	6	24	C	2174.56	1699.77	1357.91
LCC400-14B-6	CU LUG, 2 HOLE, LONG BRL, 400 MCM, 1/4"	6 PC		1	6	24	C	2174.56	1699.77	1357.91
LCC400-38D-6	CU LUG, 2 HOLE, LONG BRL, 400 MCM, 3/8"	6 PC		1	6	24	C	2174.56	1699.77	1357.91
LCC500-00-6	CU LUG, BLANK TONGUE, LONG BRL, 500 MCM	6 PC		1	6	24	C	2759.42	2135.95	1720.31
LCC500-12-1	CU LUG, 2 HOLE, LONG BRL, 500 MCM, 1/2"	1 PC	10	1			C	2090.37		
LCC500-12-6	CU LUG, 2 HOLE, LONG BRL, 500 MCM, 1/2"	6 PC	24	1	6	24	C	2528.51	1974.31	1581.76
LCC500-14B-6	CU LUG, 2 HOLE, LONG BRL, 500 MCM, 1/4"	6 PC		1	6	24	C	2528.51	1974.31	1581.76
LCC500-38D-6	CU LUG, 2 HOLE, LONG BRL, 500 MCM, 3/8"	6 PC		1	6	24	C	2528.51	1974.31	1581.76
LCC600-00-6	CU LUG, BLANK TONGUE, LONG BRL, 600 MCM	6 PC		1	6	24	C	3874.00	2998.70	2415.17
LCC600-12-6	CU LUG, 2 HOLE, LONG BRL, 600 MCM, 1/2"	6 PC		1	6	24	C	3874.00	2998.70	2415.17
LCC600-38D-6	CU LUG, 2 HOLE, LONG BRL, 600 MCM, 3/8"	6 PC		1	6	24	C	3874.00	2998.70	2415.17
LCC750-00-6	CU LUG, BLANK TONGUE, LONG BRL, 750 MCM	6 PC		1	6	24	C	4499.53	3482.90	2805.15
LCC750-12-6	CU LUG, 2 HOLE, LONG BRL, 750 MCM, 1/2"	6 PC		1	6	24	C	4123.00	3219.33	2579.23
LCC800-12-6	CU LUG, 2 HOLE, LONG BRL, 800 MCM, 1/2"	6 PC		1	6	24	C	6553.57	5072.85	4085.70
LCC1000-00-3	CU LUG, BLANK TONGUE, LONG BRL, 1000 MCM	3 PC		1	3	12	C	8555.10	6622.15	5333.51
LCC1000-12-3	CU LUG, 2 HOLE, LONG BRL, 1000 MCM, 1/2"	3 PC		1	3	12	C	8555.10	6622.15	5333.51
LCCF1-12-X	CU FLEX CABLE LUG, 2 HL, #1 AWG, 1/2"	10 PC		1	10	40	C	734.06	573.78	458.39
LCCF1-14A-X	CU FLEX CABLE LUG, 2 HL, #1 AWG, 1/4"	10 PC		1	10	40	C	734.06	573.78	458.39
LCCF1-14B-X	CU FLEX CABLE LUG, 2 HL, #1 AWG, 1/4"	10 PC		1	10	40	C	734.06	573.78	458.39
LCCF1-38D-X	CU FLEX CABLE LUG, 2 HL, #1 AWG, 3/8"	10 PC		1	10	40	C	734.06	573.78	458.39
LCCF1-56C-X	CU FLEX CABLE LUG, 2 HL, #1 AWG, 5/6"	10 PC		1	10	40	C	734.06	573.78	458.39
LCCF1/0-12-X	CU FLEX CABLE LUG, 2 HL, 1/0 AWG, 1/2"	10 PC		1	10	40	C	859.60	671.91	536.78
LCCF1/0-14A-X	CU FLEX CABLE LUG, 2 HL, 1/0 AWG, 1/4"	10 PC		1	10	40	C	859.60	671.91	536.78
LCCF1/0-14B-X	CU FLEX CABLE LUG, 2 HL, 1/0 AWG, 1/4"	10 PC		1	10	40	C	859.60	671.91	536.78
LCCF1/0-38D-X	CU FLEX CABLE LUG, 2 HL, 1/0 AWG, 3/8"	10 PC		1	10	40	C	859.60	671.91	536.78
LCCF1/0-56C-X	CU FLEX CABLE LUG, 2 HL, 1/0 AWG, 5/6"	10 PC		1	10	40	C	859.62	671.93	536.79
LCCF2-12-E	CU FLEX CABLE LUG, 2 HL, #2 AWG, 1/2"	20 PC		1	20	80	C	697.81	545.45	435.75
LCCF2-14A-E	CU FLEX CABLE LUG, 2 HL, #2 AWG, 1/4"	20 PC		1	20	80	C	667.34	521.07	417.47
LCCF2-14B-E	CU FLEX CABLE LUG, 2 HL, #2 AWG, 1/4"	20 PC		1	20	80	C	667.34	521.07	417.47
LCCF2-38D-E	CU FLEX CABLE LUG, 2 HL, #2 AWG, 3/8"	20 PC		1	20	80	C	667.34	521.07	417.47
LCCF2-56B-E	CU FLEX CABLE LUG, 2 HL, #2 AWG, 5/6"	20 PC		1	20	80	C	667.34	521.07	417.47
LCCF2/0-12-X	CU FLEX CABLE LUG, 2 HL, 2/0 AWG, 1/2"	10 PC		1	10	40	C	970.45	757.75	607.09
LCCF2/0-14A-X	CU FLEX CABLE LUG, 2 HL, 2/0 AWG, 1/4"	10 PC		1	10	40	C	970.45	757.75	607.09
LCCF2/0-14B-X	CU FLEX CABLE LUG, 2 HL, 2/0 AWG, 1/4"	10 PC		1	10	40	C	970.45	757.75	607.09
LCCF2/0-38D-X	CU FLEX CABLE LUG, 2 HL, 2/0 AWG, 3/8"	10 PC		1	10	40	C	970.45	757.75	607.09
LCCF3/0-12-X	CU FLEX CABLE LUG, 2 HL, 3/0 AWG, 1/2"	10 PC		1	10	40	C	1210.08	936.67	754.40
LCCF3/0-14B-X	CU FLEX CABLE LUG, 2 HL, 3/0 AWG, 1/4"	10 PC		1	10	40	C	1210.08	936.67	754.40
LCCF3/0-38D-X	CU FLEX CABLE LUG, 2 HL, 3/0 AWG, 3/8"	10 PC		1	10	40	C	1210.08	936.67	754.40
LCCF4-14A-L	CU FLEX CABLE LUG, 2 HL, #4 AWG, 1/4"	50 PC		1	50	200	C	326.73	255.11	204.39
LCCF4-14B-L	CU FLEX CABLE LUG, 2 HL, #4 AWG, 1/4"	50 PC		1	50	200	C	326.73	255.11	204.39
LCCF4-38D-L	CU FLEX CABLE LUG, 2 HL, #4 AWG, 3/8"	50 PC		1	50	200	C	326.73	255.11	204.39
LCCF4/0-12-X	CU FLEX CABLE LUG, 2 HL, 4/0 AWG, 1/2"	10 PC		1	10	40	C	1373.79	1073.84	857.87
LCCF4/0-14B-X	CU FLEX CABLE LUG, 2 HL, 4/0 AWG, 1/4"	10 PC		1	10	40	C	1373.79	1073.84	857.87
LCCF4/0-38-X	CU FLEX CABLE LUG, 2 HL, 4/0 AWG, 3/8"	10 PC		1	10	40	C	1373.79	1073.84	857.87
LCCF4/0-38D-X	CU FLEX CABLE LUG, 2 HL, 4/0 AWG, 3/8"	10 PC		1	10	40	C	1373.79	1073.84	857.87

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Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
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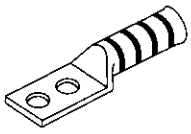
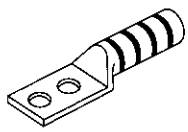
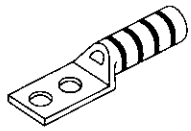


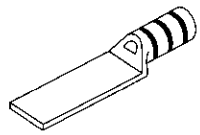
LCCF
Flared Barrel,
Copper



LCCH
Long Barrel,
High Voltage Copper



LCD
Standard Barrel,
Copper



LCD
Standard Barrel,
Blank Tongue

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCCF6-14A-L	CU FLEX CABLE LUG, 2 HL, #6 AWG, 1/4"	50 PC		1	50	200	C	$ 249.40	$ 194.73	$ 156.02
LCCF6-14B-L	CU FLEX CABLE LUG, 2 HL, #6 AWG, 1/4"	50 PC		1	50	200	C	249.40	194.73	156.02
LCCF6-38D-L	CU FLEX CABLE LUG, 2 HL, #6 AWG, 3/8"	50 PC		1	50	200	C	249.40	194.73	156.02
LCCF8-14A-L	CU FLEX CABLE LUG, 2 HL, #8 AWG, 1/4"	50 PC		1	50	200	C	226.14	176.57	141.47
LCCF8-14B-L	CU FLEX CABLE LUG, 2 HL, #8 AWG, 1/4"	50 PC		1	50	200	C	226.14	176.57	141.47
LCCF8-38D-L	CU FLEX CABLE LUG, 2 HL, #8 AWG, 3/8"	50 PC		1	50	200	C	227.45	177.60	142.29
LCCF250-12-X	CU FLEX CABLE LUG, 2 HL, 250 MCM, 1/2"	10 PC		1	10	40	C	1935.70	1511.43	1210.92
LCCF250-12E-X	CU FLEX CABLE LUG, 2 HL, 250 MCM, 1/2"	10 PC		1	10	40	C	1935.70	1511.43	1210.92
LCCF250-14B-X	CU FLEX CABLE LUG, 2 HL, 250 MCM, 1/4"	10 PC		1	10	40	C	1935.70	1511.43	1210.92
LCCF250-38D-X	CU FLEX CABLE LUG, 2 HL, 250 MCM, 3/8"	10 PC		1	10	40	C	1935.70	1511.43	1210.92
LCCF300-12-6	CU FLEX CABLE LUG, 2 HL, 300 MCM, 1/2"	6 PC		1	6	24	C	2158.12	1686.91	1347.65
LCCF300-38D-6	CU FLEX CABLE LUG, 2 HL, 300 MCM, 3/8"	6 PC		1	6	24	C	2158.12	1686.91	1347.65
LCCF350-12-6	CU FLEX CABLE LUG, 2 HL, 350 MCM, 1/2"	6 PC		1	6	24	C	2182.31	1704.00	1365.19
LCCF350-12E-6	CU FLEX CABLE LUG, 2 HL, 350 MCM, 1/2"	6 PC		1	6	24	C	2182.31	1704.00	1365.19
LCCF350-14B-6	CU FLEX CABLE LUG, 2 HL, 350 MCM, 1/4"	6 PC		1	6	24	C	2182.31	1704.00	1365.19
LCCF350-38D-6	CU FLEX CABLE LUG, 2 HL, 350 MCM, 3/8"	6 PC		1	6	24	C	2182.31	1704.00	1365.19
LCCF400-12-6	CU FLEX CABLE LUG, 2 HL, 400 MCM, 1/2"	6 PC		1	6	24	C	4690.40	3630.64	2924.14
LCCF400-38D-6	CU FLEX CABLE LUG, 2 HL, 400 MCM, 3/8"	6 PC		1	6	24	C	4690.40	3630.64	2924.14
LCCF500-12-6	CU FLEX CABLE LUG, 2 HL, 500 MCM, 1/2"	6 PC		1	6	24	C	5203.29	4027.65	3243.89
LCCF600-12-6	CU FLEX CABLE LUG, 2 HL, 600 MCM, 1/2"	6 PC		1	6	24	C	8458.33	6547.24	5273.18
LCCF750-12-3	CU FLEX CABLE LUG, 2 HL, 750 MCM, 1/2"	3 PC		1	6	24	C	10785.47	8348.59	6724.00
LCCF750-38D-3	CU FLEX CABLE LUG, 2 HL, 750 MCM, 3/8"	3 PC		1	3	12	C	10785.47	8348.59	6724.00
LCCH1/0-12-X	CU HIGH VOLT LUG, 2 HOLE, 1/0 AWG, 1/2"	10 PC		1	10	40	C	1512.01	1170.38	942.63
LCCH2/0-12-X	CU HIGH VOLT LUG, 2 HOLE, 2/0 AWG, 1/2"	10 PC		1	10	40	C	1599.89	1238.41	997.42
LCCH3/0-12-X	CU HIGH VOLT LUG, 2 HOLE, 3/0 AWG, 1/2"	10 PC		1	10	40	C	1780.36	1378.10	1109.93
LCCH4/0-12-X	CU HIGH VOLT LUG, 2 HOLE, 4/0 AWG, 1/2"	10 PC		1	10	40	C	1960.64	1517.65	1222.32
LCCH250-12-X	CU HIGH VOLT LUG, 2 HOLE, 250 MCM, 1/2"	10 PC		1	10	40	C	2295.86	1777.13	1431.31
LCCH300-12-X	CU HIGH VOLT LUG, 2 HOLE, 300 MCM, 1/2"	10 PC		1	10	40	C	2682.06	2076.07	1672.08
LCCH350-12-X	CU HIGH VOLT LUG, 2 HOLE, 350 MCM, 1/2"	10 PC		1	10	40	C	3037.50	2351.20	1893.67
LCCH400-12-6	CU HIGH VOLT LUG, 2 HOLE, 400 MCM, 1/2"	6 PC		1	6	24	C	3236.90	2505.55	2017.98
LCCH500-12-6	CU HIGH VOLT LUG, 2 HOLE, 500 MCM, 1/2"	6 PC		1	6	24	C	3901.51	3046.38	2440.67
LCCH600-12-6	CU HIGH VOLT LUG, 2 HOLE, 600 MCM, 1/2"	6 PC		1	6	24	C	6219.45	4814.22	3877.40
LCCH750-12-6	CU HIGH VOLT LUG, 2 HOLE, 750 MCM, 1/2"	6 PC		1	6	24	C	6612.41	5118.40	4122.38
LCCH1000-12-3	CU HIGH VOLT LUG, 2 HOLE, 1000 MCM, 1/2"	3 PC		1	3	12	C	9687.46	7498.66	6039.46
LCD1-12-E	CU HIGH VOLT LUG, 2 HOLE, #1 AWG, 1/2"	20 PC		1	20	80	C	824.53	638.23	514.04
LCD1-14A-E	CU HIGH VOLT LUG, 2 HOLE, #1 AWG, 1/4"	20 PC		1	20	80	C	824.53	638.23	514.04
LCD1-14B-E	CU HIGH VOLT LUG, 2 HOLE, #1 AWG, 1/4"	20 PC		1	20	80	C	824.53	638.23	514.04
LCD1-38D-E	CU HIGH VOLT LUG, 2 HOLE, #1 AWG, 3/8"	20 PC		1	20	80	C	824.53	638.23	514.04
LCD1-56C-E	CU HIGH VOLT LUG, 2 HOLE, #1 AWG, 5/16"	20 PC		1	20	80	C	824.53	638.23	514.04
LCD1/0-00-X	CU LUG, BLANK TONGUE, 1/0 AWG	10 PC		1	10	40	C	915.49	708.64	570.74
LCD1/0-12-X	CU HIGH VOLT LUG, 2 HOLE, 1/0 AWG, 1/2"	10 PC		1	10	40	C	915.78	708.86	570.92
LCD1/0-14A-2	CU HIGH VOLT LUG, 2 HOLE, 1/0 AWG, 1/4"	2 PC	20	2			C	717.93		
LCD1/0-14A-X	CU HIGH VOLT LUG, 2 HOLE, 1/0 AWG, 1/4"	10 PC		1	10	40	C	897.83	694.97	559.73
LCD1/0-14B-X	CU HIGH VOLT LUG, 2 HOLE, 1/0 AWG, 1/4"	10 PC		1	10	40	C	897.83	694.97	559.73
LCD1/0-38D-X	CU HIGH VOLT LUG, 2 HOLE, 1/0 AWG, 3/8"	10 PC		1	10	40	C	897.83	694.97	559.73
LCD1/0-56C-X	CU HIGH VOLT LUG, 2 HOLE, 1/0 AWG, 5/16"	10 PC		1	10	40	C	897.83	694.97	559.73
LCD2-12-3	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 1/2"	3 PC	30	3			C	551.12		
LCD2-12-Q	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 1/2"	25 PC		1	25	100	C	623.68	487.51	389.46
LCD2-14A-3	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 1/4"	3 PC	30	3			C	626.89		
LCD2-14A-Q	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 1/4"	25 PC		1	25	100	C	709.42	554.52	443.00
LCD2-14B-Q	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 1/4"	25 PC		1	25	100	C	709.42	554.52	443.00
LCD2-14D-Q	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 1/4"	25 PC		1	25	100	C	709.42	554.52	443.00
LCD2-38D-Q	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 3/8"	25 PC		1	25	100	C	709.42	554.52	443.00
LCD2-56B-Q	CU HIGH VOLT LUG, 2 HOLE, #2 AWG, 5/16"	25 PC		1	25	100	C	709.42	554.52	443.00
LCD2/0-00-X	CU LUG, BLANK TONGUE, 2/0 AWG	10 PC		1	10	40	C	972.13	752.49	606.06

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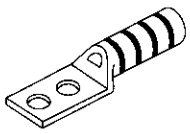
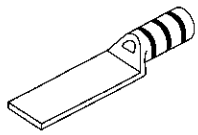


LCD
Standard Barrel,
Copper



LCD
Standard Barrel,
Blank Tongue

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCD2/0-12-X	CU HIGH VOLT LUG, 2 HOLE, #1 AWG, 1/2"	10 PC		1	10	40	C	$ 972.13	$ 752.49	$ 606.06
LCD2/0-14A-X	CU HIGH VOLT LUG, 2 HOLE, 2/0 AWG, 1/4"	10 PC		1	10	40	C	989.77	766.14	617.05
LCD2/0-14B-X	CU HIGH VOLT LUG, 2 HOLE, 2/0 AWG, 1/4"	10 PC		1	10	40	C	989.77	766.14	617.05
LCD2/0-38D-X	CU HIGH VOLT LUG, 2 HOLE, 2/0 AWG, 3/8"	10 PC		1	10	40	C	989.77	766.14	617.05
LCD2/0-56C-X	CU HIGH VOLT LUG, 2 HOLE, 2/0 AWG, 5/16"	10 PC		1	10	40	C	989.77	766.14	617.05
LCD3/0-00-X	CU LUG, BLANK TONGUE, 3/0 AWG	10 PC		1	10	40	C	1190.22	921.30	742.02
LCD3/0-12-X	CU HIGH VOLT LUG, 2 HOLE, 3/0 AWG, 1/2"	10 PC		1	10	40	C	1190.22	921.30	742.02
LCD3/0-14B-X	CU HIGH VOLT LUG, 2 HOLE, 3/0 AWG, 1/4"	10 PC		1	10	40	C	1150.74	890.74	717.41
LCD3/0-38D-X	CU HIGH VOLT LUG, 2 HOLE, 3/0 AWG, 3/8"	10 PC		1	10	40	C	1150.74	890.74	717.41
LCD3/0-56D-X	CU HIGH VOLT LUG, 2 HOLE, 3/0 AWG, 5/16"	10 PC		1	10	40	C	1150.74	890.74	717.41
LCD4-14A-3	CU HIGH VOLT LUG, 2 HOLE, #4 AWG, 1/4"	3 PC	30	3			C	541.95		
LCD4-14A-L	CU HIGH VOLT LUG, 2 HOLE, #4 AWG, 1/4"	50 PC		1	50	200	C	640.11	495.49	399.07
LCD4-14B-L	CU HIGH VOLT LUG, 2 HOLE, #4 AWG, 1/4"	50 PC		1	50	200	C	640.11	495.49	399.07
LCD4-14D-L	CU HIGH VOLT LUG, 2 HOLE, #4 AWG, 1/4"	50 PC		1	50	200	C	640.11	495.49	399.07
LCD4-38D-L	CU HIGH VOLT LUG, 2 HOLE, #4 AWG, 3/8"	50 PC		1	50	200	C	640.11	495.49	399.07
LCD4/0-00-X	CU LUG, BLANK TONGUE, 4/0 AWG	10 PC		1	10	40	C	1325.49	1026.01	826.35
LCD4/0-12-X	CU HIGH VOLT LUG, 2 HOLE, 4/0 AWG, 1/2"	10 PC		1	10	40	C	1325.49	1026.01	826.35
LCD4/0-14B-X	CU HIGH VOLT LUG, 2 HOLE, 4/0 AWG, 1/4"	10 PC		1	10	40	C	1325.49	1026.01	826.35
LCD4/0-38D-2	CU HIGH VOLT LUG, 2 HOLE, 4/0 AWG, 3/8"	2 PC	20	2			C	1004.14		
LCD4/0-38D-X	CU HIGH VOLT LUG, 2 HOLE, 4/0 AWG, 3/8"	10 PC		1	10	40	C	1325.49	1026.01	826.35
LCD6-10A-L	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, #10	50 PC		1	50	200	C	573.12	443.63	357.30
LCD6-14A-3	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, 1/4"	3 PC	30	3			C	485.21		
LCD6-14A-D	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, 1/4"	500 PC		500	2500	5000	C	555.94	430.33	346.59
LCD6-14A-L	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, 1/4"	50 PC		1	50	200	C	573.12	443.63	357.30
LCD6-14B-L	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, 1/4"	50 PC		1	50	200	C	573.12	443.63	357.30
LCD6-14D-L	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, 1/4"	50 PC		1	50	200	C	573.12	443.63	357.30
LCD6-38D-L	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, 3/8"	50 PC		1	50	200	C	573.12	443.63	357.30
LCD6-56D-L	CU HIGH VOLT LUG, 2 HOLE, #6 AWG, 5/16"	50 PC		1	50	200	C	573.12	443.63	357.30
LCD8-10A-L	CU HIGH VOLT LUG, 2 HOLE, #8 AWG, #10	50 PC		1	50	200	C	525.44	406.72	327.58
LCD8-14A-3	CU HIGH VOLT LUG, 2 HOLE, #8 AWG, 1/4"	3 PC	30	3			C	444.86		
LCD8-14A-L	CU HIGH VOLT LUG, 2 HOLE, #8 AWG, 1/4"	50 PC		1	50	200	C	525.44	406.72	327.58
LCD8-14B-L	CU HIGH VOLT LUG, 2 HOLE, #8 AWG, 1/4"	50 PC		1	50	200	C	525.44	406.72	327.58
LCD8-14D-L	CU HIGH VOLT LUG, 2 HOLE, #8 AWG, 1/4"	50 PC		1	50	200	C	525.44	406.72	327.58
LCD8-38D-L	CU HIGH VOLT LUG, 2 HOLE, #8 AWG, 3/8"	50 PC		1	50	200	C	525.44	406.72	327.58
LCD250-00-X	CU LUG, BLANK TONGUE, 250 MCM	10 PC		1	10	40	C	1446.52	1119.69	901.81
LCD250-12-X	CU HIGH VOLT LUG, 2 HOLE, 250 MCM, 1/2"	10 PC		1	10	40	C	1446.52	1119.69	901.81
LCD250-38D-X	CU HIGH VOLT LUG, 2 HOLE, 250 MCM, 3/8"	10 PC		1	10	40	C	1560.29	1207.75	972.73
LCD300-00-X	CU LUG, BLANK TONGUE, 300 MCM	10 PC		1	10	40	C	1837.96	1422.69	1145.84
LCD300-12-X	CU HIGH VOLT LUG, 2 HOLE, 300 MCM, 1/2"	10 PC		1	10	40	C	1837.96	1422.69	1145.84
LCD300-38D-X	CU HIGH VOLT LUG, 2 HOLE, 300 MCM, 3/8"	10 PC		1	10	40	C	1684.15	1315.02	1053.56
LCD350-00-X	CU LUG, BLANK TONGUE, 350 MCM	10 PC		1	10	40	C	1882.84	1457.43	1173.82
LCD350-12-X	CU HIGH VOLT LUG, 2 HOLE, 350 MCM, 1/2"	10 PC		1	10	40	C	1804.06	1410.16	1126.55
LCD350-12E-X	CU HIGH VOLT LUG, 2 HOLE, 350 MCM, 1/2"	10 PC		1	10	40	C	1804.06	1410.16	1126.55
LCD350-14B-X	CU HIGH VOLT LUG, 2 HOLE, 350 MCM, 1/4"	10 PC		1	10	40	C	1804.06	1410.16	1126.55
LCD350-38D-X	CU HIGH VOLT LUG, 2 HOLE, 350 MCM, 3/8"	10 PC		1	10	40	C	1804.06	1410.16	1126.55
LCD400-00-6	CU LUG, BLANK TONGUE, 400 MCM	6 PC		1	6	24	C	2101.00	1626.30	1309.83
LCD400-12-6	CU HIGH VOLT LUG, 2 HOLE, 400 MCM, 1/2"	6 PC		1	6	24	C	2101.00	1626.30	1309.83
LCD400-38D-6	CU HIGH VOLT LUG, 2 HOLE, 400 MCM, 3/8"	6 PC		1	6	24	C	2101.00	1626.30	1309.83
LCD500-00-6	CU LUG, BLANK TONGUE, 500 MCM	6 PC		1	6	24	C	2721.02	2106.23	1696.37
LCD500-12-6	CU HIGH VOLT LUG, 2 HOLE, 500 MCM, 1/2"	6 PC		1	6	24	C	2493.32	1946.84	1559.75
LCD500-12E-6	CU HIGH VOLT LUG, 2 HOLE, 500 MCM, 1/2"	6 PC		1	6	24	C	2493.32	1946.84	1559.75
LCD500-14B-6	CU HIGH VOLT LUG, 2 HOLE, 500 MCM, 1/4"	6 PC		1	6	24	C	2493.32	1946.84	1559.75
LCD500-38D-6	CU HIGH VOLT LUG, 2 HOLE, 500 MCM, 3/8"	6 PC		1	6	24	C	2493.32	1946.84	1559.75
LCD600-00-6	CU LUG, BLANK TONGUE, 600 MCM	6 PC		1	6	24	C	3926.72	3039.51	2448.04
LCD600-12-6	CU HIGH VOLT LUG, 2 HOLE, 600 MCM, 1/2"	6 PC		1	6	24	C	3926.72	3039.51	2448.04

UOM: **C** = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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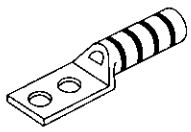
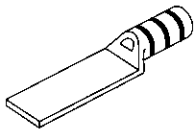
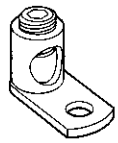


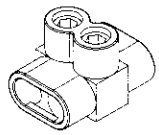
LCD
Standard Barrel,
Copper



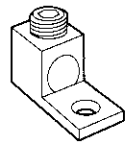
LCD
Standard Barrel,
Blank Tongue



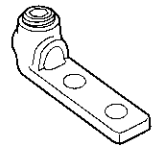
ML
Single Barrel,
Copper Post Lug



PCSB
Multi-Tap,
Connector



PNL
One Bolt Hole,
Copper



PNL-2
Two Bolt Hole,
Copper

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
LCD600-38D-6	CU HIGH VOLT LUG, 2 HOLE, 600 MCM, 3/8"	6 PC		1	6	24	C	$ 3926.72	$ 3039.51	$ 2448.04
LCD750-00-6	CU LUG, BLANK TONGUE, 750 MCM	6 PC		1	6	24	C	4227.10	3272.02	2635.30
LCD750-12-6	CU HIGH VOLT LUG, 2 HOLE, 750 MCM, 1/2"	6 PC		1	6	24	C	4227.10	3272.02	2635.30
LCD1000-00-3	CU LUG, BLANK TONGUE, 1000 MCM	3 PC		1	3	12	C	8004.56	6196.00	4990.29
LCD1000-12-3	CU HIGH VOLT LUG, 2 HOLE, 1000 MCM, 1/2"	3 PC		1	3	12	C	8004.56	6196.00	4990.29
ML1/0-L	CAST CU POST LUG, 1 HOLE, 8 SOL-1/0 STR	50 PC		1	50	200	C	672.78	525.88	420.12
ML4-C	CAST CU POST LUG, 1 HOLE, 14 SOL-4 STR	100 PC		1	100	400	C	297.16	232.03	185.90
ML8-C	CAST CU POST LUG, 1 HOLE, 14 SOL-8 STR	100 PC		1	100	400	C	229.64	179.31	143.66
ML250-Q	CAST CU POST LUG, 1 HOLE, 6 STR-250 MCM	25 PC		1	25	100	C	1497.05	1158.80	933.31
PCSB2/0-2-12	MULTI-TAP, #2/0-#14 AWG, 2 POS	12 PC		1	12	48	C	1958.04	1530.52	1222.71
PCSB2/0-3-6	MULTI-TAP, #2/0-#14 AWG, 3 POS	6 PC		1	6	24	C	2725.47	2130.39	1701.93
PCSB2/0-4-6	MULTI-TAP, #2/0-#14 AWG, 4 POS	6 PC		1	6	24	C	3148.64	2461.16	1966.18
PCSB2/0-5-6	MULTI-TAP, #2/0-#14 AWG, 5 POS	6 PC		1	6	24	C	3782.19	2956.38	2361.80
PCSB2/0-6-6	MULTI-TAP, #2/0-#14 AWG, 6 POS	6 PC		1	6	24	C	4382.14	3425.34	2736.45
PCSB2/0-7-4	MULTI-TAP, #2/0-#14 AWG, 7 POS	4 PC		1	4	16	C	5608.71	4384.10	3502.38
PCSB2/0-8-4	MULTI-TAP, #2/0-#14 AWG, 8 POS	4 PC		1	4	16	C	5892.51	4605.94	3679.60
PCSB4-2-12	MULTI-TAP, #4-#14 AWG, 2 POS	12 PC		1	12	48	C	1773.95	1386.62	1107.75
PCSB4-3-12	MULTI-TAP, #4-#14 AWG, 3 POS	12 PC		1	12	48	C	2209.07	1726.74	1379.46
PCSB4-4-6	MULTI-TAP, #4-#14 AWG, 4 POS	6 PC		1	6	24	C	2694.39	2106.10	1682.52
PCSB4-5-6	MULTI-TAP, #4-#14 AWG, 5 POS	6 PC		1	6	24	C	3062.55	2393.87	1912.42
PCSB4-6-6	MULTI-TAP, #4-#14 AWG, 6 POS	6 PC		1	6	24	C	3631.57	2838.65	2267.75
PCSB4-7-4	MULTI-TAP, #4-#14 AWG, 7 POS	4 PC		1	4	16	C	4234.03	3309.57	2643.96
PCSB4-8-4	MULTI-TAP, #4-#14 AWG, 8 POS	4 PC		1	4	16	C	4886.72	3819.75	3051.53
PCSB250-2-6	MULTI-TAP, 250 MCM-#6 AWG, 2 POS	6 PC		1	6	24	C	3149.60	2461.91	1966.78
PCSB250-3-6	MULTI-TAP, 250 MCM-#6 AWG, 3 POS	6 PC		1	6	24	C	3991.38	3119.90	2492.43
PCSB250-4-6	MULTI-TAP, 250 MCM-#6 AWG, 4 POS	6 PC		1	6	24	C	4530.26	3541.12	2828.94
PCSB250-5-4	MULTI-TAP, 250 MCM-#6 AWG, 5 POS	4 PC		1	4	16	C	5087.53	3976.72	3176.93
PCSB250-6-4	MULTI-TAP, 250 MCM-#6 AWG, 6 POS	4 PC		1	4	16	C	5623.07	4395.33	3511.35
PCSB250-7-3	MULTI-TAP, 250 MCM-#6 AWG, 7 POS	3 PC		1	3	12	C	6091.65	4761.60	3803.96
PCSB250-8-3	MULTI-TAP, 250 MCM-#6 AWG, 8 POS	3 PC		1	3	12	C	7012.09	5481.07	4378.73
PCSB350-2-4	MULTI-TAP, 350 MCM-#10 AWG, 2 POS	4 PC		1	4	16	C	3363.80	2629.35	2100.54
PCSB350-3-4	MULTI-TAP, 350 MCM-#10 AWG, 3 POS	4 PC		1	4	16	C	3815.64	2982.53	2382.69
PCSB350-4-3	MULTI-TAP, 350 MCM-#10 AWG, 4 POS	3 PC		1	3	12	C	5054.08	3950.57	3156.04
PCSB350-5-3	MULTI-TAP, 350 MCM-#10 AWG, 5 POS	3 PC		1	3	12	C	5907.56	4617.70	3689.00
PCSB350-6-2	MULTI-TAP, 350 MCM-#10 AWG, 6 POS	2 PC		1	2	8	C	6627.19	5180.21	4138.38
PCSB350-7-2	MULTI-TAP, 350 MCM-#10 AWG, 7 POS	2 PC		1	2	8	C	7162.71	5598.80	4472.78
PCSB350-8-2	MULTI-TAP, 350 MCM-#10 AWG, 8 POS	2 PC		1	2	8	C	8300.72	6488.34	5183.42
PCSB500-2-4	MULTI-TAP, 500 MCM-#6 AWG, 2 POS	4 PC		1	4	16	C	4936.92	3858.99	3082.88
PCSB500-3-3	MULTI-TAP, 500 MCM-#6 AWG, 3 POS	3 PC		1	3	12	C	6571.96	5137.03	4103.89
PCSB500-4-2	MULTI-TAP, 500 MCM-#6 AWG, 4 POS	2 PC		1	2	8	C	7117.53	5563.48	4444.57
PCSB500-5-2	MULTI-TAP, 500 MCM-#6 AWG, 5 POS	2 PC		1	2	8	C	8294.01	6483.09	5179.23
PCSB500-6-2	MULTI-TAP, 500 MCM-#6 AWG, 6 POS	2 PC		1	2	8	C	8742.53	6833.68	5459.31
PCSB500-7-2	MULTI-TAP, 500 MCM-#6 AWG, 7 POS	2 PC		1	2	8	C	9618.96	7518.75	6006.60
PCSB500-8-2	MULTI-TAP, 500 MCM-#6 AWG, 8 POS	2 PC		1	2	8	C	11656.15	9111.14	7278.73
PNL-1/0-2-L	CAST CU TWO BOLT HOLE LUG, 8 SOL-1/0 STR	50 PC		1	50	200	C	2449.57	1914.73	1529.64
PNL-1/0-L	CAST CU LUG, 1 HOLE, 8 SOL-1/0 STR	50 PC		1	50	200	C	740.36	578.71	462.32
PNL-4-C	CAST CU LUG, 1 HOLE, 14 SOL-4 STR	100 PC		1	100	400	C	360.03	278.68	224.45
PNL-8-C	CAST CU LUG, 1 HOLE, 14 SOL-8 STR	100 PC		1	100	400	C	277.12	214.51	172.77
PNL-250-2-Q	CAST CU TWO BOLT HOLE LUG, 6 SOL-250 MCM	25 PC		1	25	100	C	2642.17	2045.19	1647.21
PNL-250-Q	CAST CU LUG, 1 HOLE, 6 SOL-250 MCM	25 PC		1	25	100	C	1609.90	1246.16	1003.66
PNL-500-2-3	CAST CU TWO BOLT HOLE LUG, 4 SOL-500 MCM	3 PC		1	3	12	C	5517.53	4270.89	3439.80
PNL-500-3	CAST CU LUG, 1 HOLE, 4 SOL-500 MCM	3 PC		1	3	12	C	2749.92	2149.50	1717.20
PNL-1000-2-3	CAST CU TWO BOLT HOLE LUG, 500-1000 MCM	3 PC		1	3	12	C	12288.69	9512.16	7661.15
PNL-1000-3	CAST CU LUG, 1 HOLE, 500-1000 MCM	3 PC		1	3	12	C	7372.79	5763.01	4603.97
PNLC-1/0-3	CAST CU 2-WAY CONN, 8 SOL-1/0 STR	3 PC		1	3	12	C	2212.48	1729.41	1381.59

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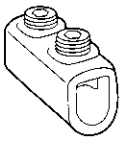
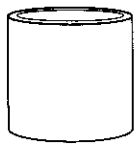
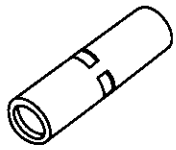
PANDUIT® Power Connectors and Installation Tooling



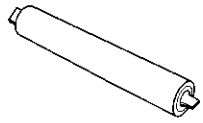
PNLC
Two Way Connector, Copper



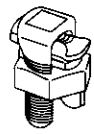
PS
Parrallel Splice



SA
Aluminum Splices



SAR
Reducing Splice, Aluminum



SBA
Dual Rated Split Bolt, Aluminum

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PNLC-250-1	CAST CU 2-WAY CONN, 6 SOL-250 MCM	1 PC		1	5	10	C	$ 3524.32	$ 2728.03	$ 2197.17
PNLC-500-1	CAST CU 2-WAY CONN, 4 SOL-500 MCM	1 PC		1	5	10	C	8324.30	6443.49	5189.63
PS1-E	CU PARALLEL SPLICE, CMA 100,000-130,000	20 PC		1	20	80	C	274.87	212.77	171.36
PS1/0-X	CU PARALLEL SPLICE, CMA 130,000-160,000	10 PC		1	10	40	C	331.42	256.54	206.62
PS2-Q	CU PARALLEL SPLICE, CMA 65,000-100,000	25 PC		1	25	100	C	253.03	195.86	157.75
PS2/0-X	CU PARALLEL SPLICE, CMA 160,000-200,000	10 PC		1	10	40	C	380.58	294.59	237.27
PS3/0-X	CU PARALLEL SPLICE, CMA 200,000-240,000	10 PC		1	10	40	C	417.17	322.92	260.08
PS4-L	CU PARALLEL SPLICE, CMA 40,000-65,000	50 PC		1	50	200	C	183.24	141.84	114.24
PS4/0-X	CU PARALLEL SPLICE, CMA 240,000-280,000	10 PC		1	10	40	C	479.48	371.15	298.92
PS6-L	CU PARALLEL SPLICE, CMA 25,000-40,000	50 PC		1	50	200	C	165.63	128.21	103.26
PS8-L	CU PARALLEL SPLICE, CMA 19,000-25,000	50 PC		1	50	200	C	155.04	120.01	96.66
SA1-X	AL SPLICE, #1 AWG, DIE: GOLD 45	10 PC		1	10	40	C	1361.22	1064.01	850.02
SA1/0-2	AL SPLICE, 1/0 AWG, DIE: TAN 50	2 PC	20	2			C	1430.71		
SA1/0-X	AL SPLICE, 1/0 AWG, DIE: TAN 50	10 PC		1	10	40	C	1639.52	1280.17	1025.64
SA2-2	AL SPLICE, #2 AWG, DIE: PINK 42	2 PC	20	2			C	838.53		
SA2-X	AL SPLICE, #2 AWG, DIE: PINK 42	10 PC	40	1	10	40	C	960.88	750.28	601.10
SA2/0-5	AL SPLICE, 2/0 AWG, DIE: OLIVE 54	5 PC		1	5	20	C	1745.28	1362.75	1091.79
SA3/0-5	AL SPLICE, 3/0 AWG, DIE: RUBY 60	5 PC		1	5	20	C	2105.49	1645.78	1314.78
SA4-2	AL SPLICE, #4 AWG, DIE: GREEN 37	2 PC	20	2			C	540.79		
SA4-X	AL SPLICE, #4 AWG, DIE: GREEN 37	10 PC		1	10	40	C	619.68	483.86	387.66
SA4/0-1	AL SPLICE, 4/0 AWG, DIE: WHITE 66	1 PC	10	1			C	1761.49		
SA4/0-5	AL SPLICE, 4/0 AWG, DIE: WHITE 66	5 PC		1	5	20	C	2130.65	1663.66	1332.87
SA6-2	AL SPLICE, #6 AWG, DIE: GRAY 29	2 PC	20	2			C	505.89		
SA6-X	AL SPLICE, #6 AWG, DIE: GRAY 29	10 PC		1	10	40	C	579.74	452.67	362.67
SA250-5	AL SPLICE, 250 MCM, DIE: RED 71	5 PC		1	5	20	C	2343.01	1831.44	1463.10
SA300-2	AL SPLICE, 300 MCM, DIE: BLUE 76	2 PC		1	2	8	C	2607.51	2018.37	1625.60
SA350-1	AL SPLICE, 350 MCM, DIE: BROWN 87	1 PC	10	1			C	2058.70		
SA350-2	AL SPLICE, 350 MCM, DIE: BROWN 87	2 PC		1	2	8	C	2603.91	2035.37	1626.02
SA400-2	AL SPLICE, 400 MCM, DIE: GREEN 94	2 PC		1	2	8	C	3713.39	2874.38	2315.04
SA500-2	AL SPLICE, 500 MCM, DIE: PINK 99	2 PC		1	2	8	C	3983.35	3110.28	2491.87
SA600-2	AL SPLICE, 600 MCM, DIE: BLACK 106	2 PC		1	2	8	C	6609.81	5116.38	4120.76
SA750-1	AL SPLICE, 750 MCM, DIE: RED 125	1 PC		1	4		C	5300.23	4268.84	
SA800-1	AL SPLICE, 800 MCM, DIE: GRAY 140	1 PC		1	4		C	6534.55	5262.96	
SA1000-1	AL SPLICE, 1000 MCM, DIE: BROWN 181	1 PC		1	4		C	7167.92	5773.08	
SAR1/0-2-X	AL REDUCING SPLICE, FROM 1/0 TO #2 AWG	10 PC		1	10	40	C	3979.42	3080.31	2480.89
SAR2-4-X	AL REDUCING SPLICE, FROM #2 TO #4 AWG	10 PC		1	10	40	C	2837.84	2196.65	1769.20
SAR3/0-1/0-5	AL REDUCING SPLICE, FROM 3/0 TO 1/0 AWG	5 PC		1	5	20	C	4614.11	3571.59	2876.58
SAR4/0-2/0-5	AL REDUCING SPLICE, FROM 4/0 TO 2/0 AWG	5 PC		1	5	20	C	5062.31	3918.52	3156.00
SAR350-4/0-2	AL REDUCING SPLICE, FROM 350 TO 4/0 AWG	2 PC		1	2	8	C	6070.41	4698.85	3784.48
SAR500-350-2	AL REDUCING SPLICE, FROM 500 TO 350 MCM	2 PC		1	2	8	C	9089.67	7035.94	5666.78
SAR600-500-2	AL REDUCING SPLICE, FROM 600 TO 500 MCM	2 PC		1	2	8	C	12413.04	9608.42	7738.67
SAR750-600-2	AL REDUCING SPLICE, FROM 750 TO 600 MCM	2 PC		1	2	8	C	13239.81	10248.39	8254.11
SBA1/0-Q	DUAL RATED ALUMINUM SPLIT BOLT, 1/0 AWG	25 PC	100	1	25	100	C	1145.22	894.21	716.41
SBA2-3	DUAL RATED ALUMINUM SPLIT BOLT, #2 AWG	3 PC	30	3			C	779.18		
SBA2-C	DUAL RATED ALUMINUM SPLIT BOLT, #2 AWG	100 PC	400	1	100	400	C	905.83	707.29	566.66
SBA2/0-Q	DUAL RATED ALUMINUM SPLIT BOLT, 2/0 AWG	25 PC	100	1	25	100	C	1853.00	1446.87	1159.18
SBA4-3	DUAL RATED ALUMINUM SPLIT BOLT, #4 AWG	3 PC	30	3			C	772.86		
SBA4-C	DUAL RATED ALUMINUM SPLIT BOLT, #4 AWG	100 PC	400	1	100	400	C	836.45	653.12	523.26
SBA4/0-Q	DUAL RATED ALUMINUM SPLIT BOLT, 4/0 AWG	25 PC	100	1	25	100	C	3175.06	2479.16	1986.23
SBA6-3	DUAL RATED ALUMINUM SPLIT BOLT, #6 AWG	3 PC	30	3			C	554.73		
SBA6-C	DUAL RATED ALUMINUM SPLIT BOLT, #6 AWG	100 PC	400	1	100	400	C	600.37	468.78	375.57
SBA350-1	DUAL RATED ALUMINUM SPLIT BOLT, 350 MCM	1 PC	4	1	4		C	4543.98	3640.50	
SBA500-1	DUAL RATED ALUMINUM SPLIT BOLT, 500 MCM	1 PC	4	1	4		C	5922.91	4745.26	
SBC1/0-3	COPPER SPLIT BOLT, 1/0 AWG	3 PC	30	3			C	923.90		
SBC1/0-L	COPPER SPLIT BOLT, 1/0 AWG	50 PC		1	50	200	C	999.91	780.75	625.51

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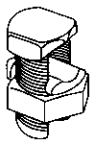
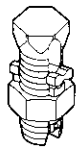
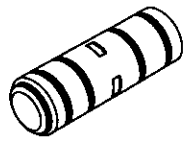


SBC
Split Bolt,
Copper Cables



SBCT
Split Bolt,
Tin Plated, Copper



SCH
High Voltage,
Copper Splice

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SBC2-3	COPPER SPLIT BOLT, #2 AWG	3 PC	30	3			C	$ 644.90	$	$
SBC2-C	COPPER SPLIT BOLT, #2 AWG	100 PC		1	100	400	C	697.93	544.96	436.61
SBC2/0-3	COPPER SPLIT BOLT, 2/0 AWG	3 PC	30	3			C	1495.14		
SBC2/0-Q	COPPER SPLIT BOLT, 2/0 AWG	25 PC		1	25	100	C	1618.15	1263.48	1012.27
SBC2L-C	COPPER SPLIT BOLT, LONG, #2 AWG	100 PC		1	100	400	C	821.12	641.15	513.67
SBC3-3	COPPER SPLIT BOLT, #3 AWG	3 PC	30	3			C	470.70		
SBC3-C	COPPER SPLIT BOLT, #3 AWG	100 PC		1	100	400	C	509.39	397.75	318.66
SBC3/0-3	COPPER SPLIT BOLT, 3/0 AWG	3 PC	30	3			C	1964.38		
SBC3/0-Q	COPPER SPLIT BOLT, 3/0 AWG	25 PC		1	25	100	C	2125.96	1660.00	1329.94
SBC4S-3	COPPER SPLIT BOLT, #4 AWG	3 PC	30	3			C	443.81		
SBC4S-C	COPPER SPLIT BOLT, #4 AWG	100 PC		1	100	400	C	480.31	375.04	300.47
SBC4SL-C	COPPER SPLIT BOLT, LONG, #4 AWG	100 PC		1	100	400	C	483.18	377.28	302.26
SBC6S-3	COPPER SPLIT BOLT, #6 AWG	3 PC	30	3			C	368.77		
SBC6S-C	COPPER SPLIT BOLT, #6 AWG	100 PC		1	100	400	C	399.13	311.65	249.68
SBC6SL-C	COPPER SPLIT BOLT, LONG, #6 AWG	100 PC		1	100	400	C	413.01	322.49	258.37
SBC8-3	COPPER SPLIT BOLT, #8 AWG	3 PC	30	3			C	339.37		
SBC8-C	COPPER SPLIT BOLT, #8 AWG	100 PC		1	100	400	C	367.26	286.77	229.75
SBC8L-C	COPPER SPLIT BOLT, LONG, #8 AWG	100 PC		1	100	400	C	393.04	306.89	245.87
SBC250-3	COPPER SPLIT BOLT, 250 MCM	3 PC	30	3			C	2115.86		
SBC250-Q	COPPER SPLIT BOLT, 250 MCM	25 PC		1	25	100	C	2553.12	1993.54	1597.16
SBC350-1	COPPER SPLIT BOLT, 350 MCM	1 PC	10	1	4		C	3790.47	3036.81	
SBC500-1	COPPER SPLIT BOLT, 500 MCM	1 PC	10	1	4		C	4920.64	3942.27	
SBC750-1	COPPER SPLIT BOLT, 750 MCM	1 PC	10	1	4		C	8379.26	6713.21	
SBC1000-1	COPPER SPLIT BOLT, 1000 MCM	1 PC	10	1	4		C	12261.21	9875.24	
SBCT1/0-L	CU SPLIT BOLT, TIN PLATED, 1/0 STR	50 PC		1	50	200	C	1146.86	895.49	717.44
SBCT2-3	CU SPLIT BOLT, TIN PLATED, #2 STR	3 PC	30	3			C	791.65		
SBCT2-C	CU SPLIT BOLT, TIN PLATED, #2 STR	100 PC		1	100	400	C	856.77	668.99	535.97
SBCT2/0-Q	CU SPLIT BOLT, TIN PLATED, 2/0 STR	25 PC		1	25	100	C	1858.39	1451.07	1162.55
SBCT3-3	CU SPLIT BOLT, TIN PLATED, #3 STR	3 PC	30	3			C	645.71		
SBCT3-C	CU SPLIT BOLT, TIN PLATED, #3 STR	100 PC		1	100	400	C	698.81	545.64	437.15
SBCT3/0-Q	CU SPLIT BOLT, TIN PLATED, 3/0 STR	25 PC		1	25	100	C	2554.09	1994.29	1597.76
SBCT6-3	CU SPLIT BOLT, TIN PLATED, #6 STR	3 PC	30	3			C	537.36		
SBCT6-C	CU SPLIT BOLT, TIN PLATED, #6 STR	100 PC		1	100	400	C	581.55	454.09	363.80
SBCT8-C	CU SPLIT BOLT, TIN PLATED, #8 STR	100 PC		1	100	400	C	508.69	397.20	318.22
SBCT10-C	CU SPLIT BOLT, TIN PLATED, #10 STR	100 PC		1	100	400	C	417.81	326.23	261.37
SBCT250-3	CU SPLIT BOLT, TIN PLATED, 250 MCM	3 PC	30	3			C	2912.70		
SBCT250-Q	CU SPLIT BOLT, TIN PLATED, 250 MCM	25 PC		1	25	100	C	3152.35	2461.43	1972.02
SBCT350-1	CU SPLIT BOLT, TIN PLATED, 350 MCM	1 PC		1	4		C	4524.54	3624.92	
SBCT500-1	CU SPLIT BOLT, TIN PLATED, 500 MCM	1 PC		1	4		C	5896.71	4724.27	
SBCT750-1	CU SPLIT BOLT, TIN PLATED, 750 MCM	1 PC		1	4		C	10351.93	8293.65	
SBCT1000-1	CU SPLIT BOLT, TIN PLATED, 1000 MCM	1 PC		1	4		C	15074.60	12141.16	
SCH1-E	HIGH VOLT CU SPLICE, #1 AWG	20 PC		1	20	80	C	1157.48	895.96	721.61
SCH1/0-X	HIGH VOLT CU SPLICE, 1/0 AWG	10 PC		1	10	40	C	1230.32	952.34	767.02
SCH2-Q	HIGH VOLT CU SPLICE, #2 AWG	25 PC		1	25	100	C	1016.66	786.95	633.82
SCH2/0-X	HIGH VOLT CU SPLICE, 2/0 AWG	10 PC		1	10	40	C	1307.47	1012.06	815.12
SCH3/0-X	HIGH VOLT CU SPLICE, 3/0 AWG	10 PC		1	10	40	C	1420.54	1099.58	885.61
SCH4-L	HIGH VOLT CU SPLICE, #4 AWG	50 PC		1	50	200	C	926.91	717.49	577.87
SCH4/0-X	HIGH VOLT CU SPLICE, 4/0 AWG	10 PC		1	10	40	C	1504.41	1164.50	937.90
SCH6-L	HIGH VOLT CU SPLICE, #6 AWG	50 PC		1	50	200	C	881.81	682.58	549.75
SCH250-X	HIGH VOLT CU SPLICE, 250 MCM	10 PC		1	10	40	C	1704.14	1319.11	1062.41
SCH300-X	HIGH VOLT CU SPLICE, 300 MCM	10 PC		1	10	40	C	1819.22	1408.18	1134.16
SCH350-X	HIGH VOLT CU SPLICE, 350 MCM	10 PC		1	10	40	C	1934.94	1497.76	1206.30
SCH500-6	HIGH VOLT CU SPLICE, 500 MCM	6 PC		1	6	24	C	2860.04	2213.84	1783.04
SCH750-6	HIGH VOLT CU SPLICE, 750 MCM	6 PC		1	6	24	C	4687.08	3628.07	2922.07
SCH1000-3	HIGH VOLT CU SPLICE, 1000 MCM	3 PC		1	3	12	C	6625.56	5128.57	4130.58

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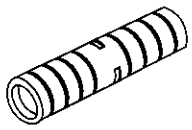
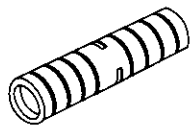
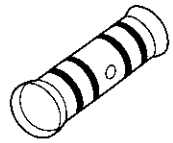


SCL
Butt Splice
Long Barrel, Copper



SCS
Butt Splice,
Std. Barrel, Copper



SCSF
Butt Splice,
Flared Barrel

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SCL1-E	CU SPLICE, LONG BRL, #1 AWG	20 PC		1	20	80	C	$ 711.75	$ 555.75	$ 445.25
SCL1/0-X	CU SPLICE, LONG BRL, 1/0 AWG	10 PC	40	1	10	40	C	778.96	608.23	487.30
SCL2-3	CU SPLICE, LONG BRL, #2 AWG	3 PC	30	3			C	586.47		
SCL2-Q	CU SPLICE, LONG BRL, #2 AWG	25 PC		1	25	100	C	634.71	495.59	397.05
SCL2/0-X	CU SPLICE, LONG BRL, 2/0 AWG	10 PC		1	10	40	C	899.91	702.67	562.96
SCL3/0-X	CU SPLICE, LONG BRL, 3/0 AWG	10 PC		1	10	40	C	958.48	748.40	599.59
SCL4-L	CU SPLICE, LONG BRL, #4 AWG	50 PC		1	50	200	C	524.26	409.36	327.96
SCL4/0-X	CU SPLICE, LONG BRL, 4/0 AWG	10 PC		1	10	40	C	1088.82	850.18	681.14
SCL6-L	CU SPLICE, LONG BRL, #6 AWG	50 PC		1	50	200	C	432.02	337.33	270.26
SCL8-L	CU SPLICE, LONG BRL, #8 AWG	50 PC		1	50	200	C	254.96	199.08	159.50
SCL250-X	CU SPLICE, LONG BRL, 250 MCM	10 PC		1	10	40	C	1162.63	907.80	727.31
SCL300-X	CU SPLICE, LONG BRL, 300 MCM	10 PC		1	10	40	C	1536.48	1189.33	957.89
SCL350-X	CU SPLICE, LONG BRL, 350 MCM	10 PC		1	10	40	C	1546.46	1208.80	965.69
SCL400-6	CU SPLICE, LONG BRL, 400 MCM	6 PC		1	6	24	C	2045.51	1583.34	1275.23
SCL500-6	CU SPLICE, LONG BRL, 500 MCM	6 PC		1	6	24	C	2315.75	1808.19	1448.67
SCL600-6	CU SPLICE, LONG BRL, 600 MCM	6 PC		1	6	24	C	3220.38	2517.24	2010.98
SCL750-6	CU SPLICE, LONG BRL, 750 MCM	6 PC		1	6	24	C	4116.92	3186.74	2566.61
SCL1000-3	CU SPLICE, LONG BRL, 1000 MCM	3 PC		1	3	12	C	5608.61	4341.40	3496.58
SCS1-E	CU SPLICE, SHORT BRL, #1 AWG	20 PC		1	20	80	C	701.46	547.71	438.81
SCS1/0-2	CU SPLICE, SHORT BRL, 1/0 AWG	2 PC	20	2			C	661.00		
SCS1/0-X	CU SPLICE, SHORT BRL, 1/0 AWG	10 PC	40	1	10	40	C	757.46	591.44	473.84
SCS2-3	CU SPLICE, SHORT BRL, #2 AWG	3 PC	30	3			C	569.32		
SCS2-Q	CU SPLICE, SHORT BRL, #2 AWG	25 PC	100	1	25	100	C	616.16	481.11	385.45
SCS2/0-2	CU SPLICE, SHORT BRL, 2/0 AWG	2 PC	20	2			C	734.84		
SCS2/0-X	CU SPLICE, SHORT BRL, 2/0 AWG	10 PC	40	1	10	40	C	842.08	657.51	526.78
SCS3/0-X	CU SPLICE, SHORT BRL, 3/0 AWG	10 PC	40	1	10	40	C	936.09	730.92	585.59
SCS4-3	CU SPLICE, SHORT BRL, #4 AWG	3 PC	30	3			C	455.16		
SCS4-L	CU SPLICE, SHORT BRL, #4 AWG	50 PC	200	1	50	200	C	492.62	384.65	308.17
SCS4/0-2	CU SPLICE, SHORT BRL, 4/0 AWG	2 PC	20	2			C	908.97		
SCS4/0-X	CU SPLICE, SHORT BRL, 4/0 AWG	10 PC	40	1	10	40	C	1041.61	813.31	651.60
SCS6-3	CU SPLICE, SHORT BRL, #6 AWG	3 PC	30	3			C	392.81		
SCS6-L	CU SPLICE, SHORT BRL, #6 AWG	50 PC	200	1	50	200	C	425.10	331.93	265.93
SCS8-3	CU SPLICE, SHORT BRL, #8 AWG	3 PC	30	3			C	220.59		
SCS8-L	CU SPLICE, SHORT BRL, #8 AWG	50 PC	200	1	50	200	C	238.71	186.39	149.33
SCS250-X	CU SPLICE, SHORT BRL, 250 MCM	10 PC		1	10	40	C	1150.34	898.21	719.62
SCS300-X	CU SPLICE, SHORT BRL, 300 MCM	10 PC		1	10	40	C	1382.78	1070.35	862.07
SCS350-X	CU SPLICE, SHORT BRL, 350 MCM	10 PC		1	10	40	C	1289.01	1006.49	806.37
SCS400-6	CU SPLICE, SHORT BRL, 400 MCM	6 PC		1	6	24	C	1711.74	1324.99	1067.15
SCS500-1	CU SPLICE, SHORT BRL, 500 MCM	1 PC	10	1			C	1552.70		
SCS500-6	CU SPLICE, SHORT BRL, 500 MCM	6 PC		1	6	24	C	1878.12	1466.48	1174.90
SCS600-6	CU SPLICE, SHORT BRL, 600 MCM	6 PC		1	6	24	C	2996.65	2319.59	1868.21
SCS750-6	CU SPLICE, SHORT BRL, 750 MCM	6 PC		1	6	24	C	3399.96	2657.61	2123.12
SCS1000-3	CU SPLICE, SHORT BRL, 1000 MCM	3 PC		1	3	12	C	4804.00	3718.57	2994.96
SCSF1-X	CU FLEX CABLE SPLICE, #1 AWG	10 PC	100	1	10	40	C	1020.21	796.60	638.21
SCSF1/0-X	CU FLEX CABLE SPLICE, 1/0 AWG	10 PC	40	1	10	40	C	1134.18	885.59	709.51
SCSF2-E	CU FLEX CABLE SPLICE, #2 AWG	20 PC	80	1	20	80	C	944.83	737.75	591.06
SCSF2/0-X	CU FLEX CABLE SPLICE, 2/0 AWG	10 PC	40	1	10	40	C	1260.85	984.50	788.75
SCSF3/0-X	CU FLEX CABLE SPLICE, 3/0 AWG	10 PC	40	1	10	40	C	1402.98	1095.48	877.66
SCSF4-L	CU FLEX CABLE SPLICE, #4 AWG	50 PC	200	1	50	200	C	663.57	518.13	415.11
SCSF4/0-X	CU FLEX CABLE SPLICE, 4/0 AWG	10 PC		1	10	40	C	1549.43	1209.83	969.28
SCSF6-L	CU FLEX CABLE SPLICE, #6 AWG	50 PC	200	1	50	200	C	572.62	447.11	358.21
SCSF8-L	CU FLEX CABLE SPLICE, #8 AWG	50 PC	200	1	50	200	C	321.51	251.05	201.13
SCSF250-X	CU FLEX CABLE SPLICE, 250 MCM	10 PC		1	10	40	C	1736.21	1355.67	1086.12
SCSF300-6	CU FLEX CABLE SPLICE, 300 MCM	6 PC		1	6	24	C	2420.88	1873.90	1509.25
SCSF350-6	CU FLEX CABLE SPLICE, 350 MCM	6 PC		1	6	24	C	2482.43	1938.34	1552.94

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to *PANDUIT* Product Catalogs for specific design characteristics of products listed.
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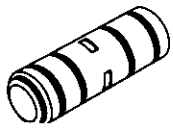
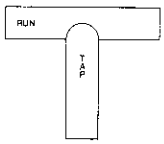


SCSS
Butt Splice,
Short Barrel, Copper



SCT
"T" Splice,
Copper

SP1
Bronze Service Post,
Male – 1 Cable

SP2
Bronze Service Post,
Male – 2 Cables

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SCSS1-Q	CU BUTT SPLICE, SHORT BRL, #1 AWG	25 PC		1	25	100	C	$ 667.71	$ 521.36	$ 417.70
SCSS1/0-X	CU BUTT SPLICE, SHORT BRL, 1/0 AWG	10 PC		1	10	40	C	735.91	574.61	460.36
SCSS2-Q	CU BUTT SPLICE, SHORT BRL, #2 AWG	25 PC		1	25	100	C	578.34	451.58	361.79
SCSS2/0-X	CU BUTT SPLICE, SHORT BRL, 2/0 AWG	10 PC		1	10	40	C	769.28	600.67	481.24
SCSS3/0-X	CU BUTT SPLICE, SHORT BRL, 3/0 AWG	10 PC		1	10	40	C	896.26	699.82	560.67
SCSS4-L	CU BUTT SPLICE, SHORT BRL, #4 AWG	50 PC		1	50	200	C	458.67	358.14	286.93
SCSS4/0-X	CU BUTT SPLICE, SHORT BRL, 4/0 AWG	10 PC		1	10	40	C	976.17	762.22	610.66
SCSS6-L	CU BUTT SPLICE, SHORT BRL, #6 AWG	50 PC		1	50	200	C	404.97	316.21	253.34
SCSS8-L	CU BUTT SPLICE, SHORT BRL, #8 AWG	50 PC		1	50	200	C	222.48	173.72	139.18
SCSS250-X	CU BUTT SPLICE, SHORT BRL, 250 MCM	10 PC		1	10	40	C	1137.86	888.46	711.81
SCT1/0-1/0	CU "T" SPLICE, RUN 1/0 AWG, TAP 1/0 AWG	1 PC		1	4		PC	47.21	38.02	
SCT2-2	CU "T" SPLICE, RUN #2 AWG, TAP #2 AWG	1 PC		1	4		PC	47.21	38.02	
SCT2/0-2/0	CU "T" SPLICE, RUN 2/0 AWG, TAP 2/0 AWG	1 PC		1	4		PC	47.21	38.02	
SCT4/0-1/0	CU "T" SPLICE, RUN 4/0 AWG, TAP 1/0 AWG	1 PC		1	4		PC	47.21	38.02	
SCT4/0-4/0	CU "T" SPLICE, RUN 4/0 AWG, TAP 4/0 AWG	1 PC		1	4		PC	51.67	41.62	
SCT250-250	CU "T" SPLICE, RUN 250 MCM, TAP 250 MCM	1 PC		1	4		PC	61.94	49.89	
SCT300-300	CU "T" SPLICE, RUN 300 MCM, TAP 300 MCM	1 PC		1	4		PC	70.17	56.52	
SCT350-350	CU "T" SPLICE, RUN 350 MCM, TAP 350 MCM	1 PC		1	4		PC	79.79	64.26	
SCT500-4/0	CU "T" SPLICE, RUN 500 MCM, TAP 4/0 AWG	1 PC		1	4		PC	97.72	78.70	
SCT500-500	CU "T" SPLICE, RUN 500 MCM, TAP 500 MCM	1 PC		1	4		PC	111.37	89.70	
SP1-1/0-L	BRONZE SERVICE POST CONN, #6 SOL-1/0 STR	50 PC		1	50	200	C	4162.18	3249.92	2603.74
SP1-1/0L-L	BRONZE SERVICE POST CONN, #6 SOL-1/0 STR	50 PC		1	50	200	C	4372.66	3414.27	2735.41
SP1-2-C	BRONZE SERVICE POST CONN, #4 STR-#2 STR	100 PC		1	100	400	C	2944.43	2299.08	1841.95
SP1-2/0-Q	BRONZE SERVICE POST CONN, #1 SOL-2/0 STR	25 PC		1	25	100	C	5722.19	4468.01	3579.63
SP1-2/0L-Q	BRONZE SERVICE POST CONN, #1 SOL-2/0 STR	25 PC		1	25	100	C	5638.66	4402.79	3527.38
SP1-2L-C	BRONZE SERVICE POST CONN, #4 STR-#2 STR	100 PC		1	100	400	C	3091.89	2414.21	1934.19
SP1-3-C	BRONZE SERVICE POST CONN, #6 SOL-#3 STR	100 PC		1	100	400	C	2798.36	2185.02	1750.57
SP1-3L-C	BRONZE SERVICE POST CONN, #6 SOL-#3 STR	100 PC		1	100	400	C	2942.44	2297.52	1840.70
SP1-4-C	BRONZE SERVICE POST CONN, #10 SOL-#4 STR	100 PC		1	100	400	C	1760.72	1374.81	1101.45
SP1-4/0-Q	BRONZE SERVICE POST CONN, 3/0 SOL-4/0STR	25 PC		1	25	100	C	8324.69	6500.10	5207.69
SP1-4/0L-Q	BRONZE SERVICE POST CONN, 3/0 SOL-4/0STR	25 PC		1	25	100	C	8740.77	6824.99	5467.97
SP1-4L-C	BRONZE SERVICE POST CONN, #10 SOL-#4 STR	100 PC		1	100	400	C	1851.47	1445.67	1158.23
SP1-7-C	BRONZE SERVICE POST CONN, #8 SOL-#7 STR	100 PC		1	100	400	C	1618.96	1264.12	1012.77
SP1-7L-C	BRONZE SERVICE POST CONN, #8 SOL-#7 STR	100 PC		1	100	400	C	1697.71	1325.61	1062.04
SP1-8-C	BRONZE SERVICE POST CONN, #12 SOL-#8 STR	100 PC		1	100	400	C	1326.86	1036.04	830.04
SP1-8L-C	BRONZE SERVICE POST CONN, #12 SOL-#8 STR	100 PC		1	100	400	C	1695.91	1324.21	1060.91
SP1-350-12	BRONZE SERVICE POST CONN, 4/0 STR-350MCM	12 PC		1	12	48	C	14225.78	11107.80	8899.23
SP1-350L-12	BRONZE SERVICE POST CONN, 4/0 STR-350MCM	12 PC		1	12	48	C	14936.72	11662.92	9343.98
SP1-500-12	BRONZE SERVICE POST CONN, 250-500 MCM	12 PC		1	12	48	C	17508.57	13671.07	10952.85
SP1-500L-12	BRONZE SERVICE POST CONN, 250-500 MCM	12 PC		1	12	48	C	18383.89	14354.54	11500.42
SP2-1/0-L	BRONZE SERVICE POST CONN, #2 SOL-1/0 STR	50 PC		1	50	200	C	4256.94	3323.92	2663.02
SP2-1/0L-L	BRONZE SERVICE POST CONN, #2 SOL-1/0 STR	50 PC		1	50	200	C	4472.18	3491.97	2797.66
SP2-2-C	BRONZE SERVICE POST CONN, #10 SOL-#2 STR	100 PC		1	100	400	C	3007.40	2348.24	1881.34
SP2-2/0-Q	BRONZE SERVICE POST CONN, #2 SOL-2/0 STR	25 PC		1	25	100	C	5314.49	4149.67	3324.59
SP2-2/0L-Q	BRONZE SERVICE POST CONN, #2 SOL-2/0 STR	25 PC		1	25	100	C	5859.83	4575.48	3665.74
SP2-2L-C	BRONZE SERVICE POST CONN, #10 SOL-#2 STR	100 PC		1	100	400	C	3156.71	2464.83	1974.75
SP2-3-C	BRONZE SERVICE POST CONN, #10 SOL-#3 STR	100 PC		1	100	400	C	2861.10	2234.01	1789.82
SP2-3L-C	BRONZE SERVICE POST CONN, #10 SOL-#3 STR	100 PC		1	100	400	C	3004.40	2345.90	1879.46
SP2-4-C	BRONZE SERVICE POST CONN, #10 SOL-#4 STR	100 PC		1	100	400	C	1824.45	1424.57	1141.32
SP2-4/0-Q	BRONZE SERVICE POST CONN, 1 SOL-4/0 STR	25 PC		1	25	100	C	8873.57	6928.68	5551.05
SP2-4/0L-Q	BRONZE SERVICE POST CONN, 1 SOL-4/0 STR	25 PC		1	25	100	C	9485.22	7406.27	5933.68
SP2-4L-C	BRONZE SERVICE POST CONN, #10 SOL-#4 STR	100 PC		1	100	400	C	1916.75	1496.64	1199.07
SP2-7-C	BRONZE SERVICE POST CONN, #10 SOL-#7 STR	100 PC		1	100	400	C	1648.94	1287.53	1031.53
SP2-7L-C	BRONZE SERVICE POST CONN, #10 SOL-#7 STR	100 PC		1	100	400	C	1728.15	1349.38	1081.08
SP2-8-C	BRONZE SERVICE POST CONN, #12 SOL-#8 STR	100 PC		1	100	400	C	1362.38	1063.77	852.26

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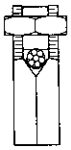
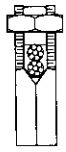
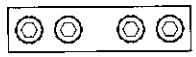
SP2
Bronze Service Post, Male – 2 Cables



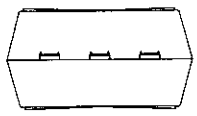
SPF1
Bronze Service Post, Female – 1 Cable



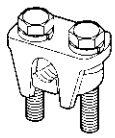
SPF2
Bronze Service Post, Female – 2 Cables



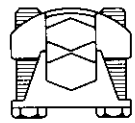
SRA
Splicer/Reducer, Aluminum



TAPC
H-Tap & C-Tap, Cover



VT
Heavy-Duty, Two Bolt Bronze



VTA
Heavy-Duty, Two Bolt Tin Plated, Bronze

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
SP2-8L-C	BRONZE SERVICE POST CONN, #12 SOL-#8 STR	100 PC		1	100	400	C	$ 1557.42	$ 1216.07	$ 974.28
SP2-350-12	BRONZE SERVICE POST CONN, 1 STR-350 MCM	12 PC		1	12	48	C	15684.89	12247.11	9812.01
SP2-350L-12	BRONZE SERVICE POST CONN, 1 STR-350 MCM	12 PC		1	12	48	C	16470.05	12860.17	10303.18
SP2-500-12	BRONZE SERVICE POST CONN, 3/0 STR-500MCM	12 PC		1	12	48	C	19331.77	15094.67	12093.39
SP2-500L-12	BRONZE SERVICE POST CONN, 3/0 STR-500MCM	12 PC		1	12	48	C	20296.77	15848.16	12697.06
SPF1-1/0-L	BRONZE SERVICE POST CONN, #2 SOL-1/0 STR	50 PC		1	50	200	C	4044.38	3157.94	2530.05
SPF1-2-C	BRONZE SERVICE POST CONN, #6 STR-#2 STR	100 PC		1	100	400	C	2997.85	2340.78	1875.37
SPF1-2/0-Q	BRONZE SERVICE POST CONN, #1 SOL-2/0 STR	25 PC		1	25	100	C	5479.07	4278.18	3427.55
SPF1-3-C	BRONZE SERVICE POST CONN, #6 STR-#3 STR	100 PC		1	100	400	C	2855.08	2229.31	1786.06
SPF1-4-C	BRONZE SERVICE POST CONN, #8 SOL-#4 STR	100 PC		1	100	400	C	1710.87	1335.89	1070.27
SPF1-4/0-Q	BRONZE SERVICE POST CONN, 1/0 STR-4/0STR	25 PC		1	25	100	C	8089.09	6316.14	5060.30
SPF1-7-C	BRONZE SERVICE POST CONN, #10 SOL-#7 STR	100 PC		1	100	400	C	1710.59	1335.66	1070.09
SPF1-8-C	BRONZE SERVICE POST CONN, #12 SOL-#8 STR	100 PC		1	100	400	C	1544.15	1205.70	965.97
SPF1-350-12	BRONZE SERVICE POST CONN, 4/0 STR-350MCM	12 PC		1	12	48	C	14224.03	11106.43	8898.14
SPF1-500-12	BRONZE SERVICE POST CONN, 300-500 MCM	12 PC		1	12	48	C	17508.57	13671.07	10952.85
SPF2-1/0-L	BRONZE SERVICE POST CONN, #2 SOL-1/0 STR	50 PC		1	50	200	C	4697.00	3667.52	2938.31
SPF2-2-C	BRONZE SERVICE POST CONN, #10 SOL-#2 STR	100 PC		1	100	400	C	3157.70	2465.60	1975.36
SPF2-2/0-Q	BRONZE SERVICE POST CONN, #2 SOL-2/0 STR	25 PC		1	25	100	C	5656.62	4416.81	3538.61
SPF2-3-C	BRONZE SERVICE POST CONN, #10 SOL-#3 STR	100 PC		1	100	400	C	2999.77	2342.29	1876.57
SPF2-4-C	BRONZE SERVICE POST CONN, #10 SOL-#4 STR	100 PC		1	100	400	C	2046.58	1598.01	1280.28
SPF2-4/0-Q	BRONZE SERVICE POST CONN, #1 SOL-4/0 STR	25 PC		1	25	100	C	8873.57	6928.68	5551.05
SPF2-7-C	BRONZE SERVICE POST CONN, #10 SOL-#7 STR	100 PC		1	100	400	C	1733.23	1353.35	1084.26
SPF2-8-C	BRONZE SERVICE POST CONN, #12 SOL-#8 STR	100 PC		1	100	400	C	1646.55	1285.66	1030.03
SPF2-350-12	BRONZE SERVICE POST CONN, #1 STR-350 MCM	12 PC		1	12	48	C	15684.89	12247.11	9812.01
SPF2-500-12	BRONZE SERVICE POST CONN, 300-500 MCM	12 PC		1	12	48	C	19331.77	15094.67	12093.39
SRA1/0-X	AL DUAL RATED SPLICER/REDUCER, 1/0 AWG	10 PC		1	10	40	C	773.97	604.33	484.17
SRA2-X	AL DUAL RATED SPLICER/REDUCER, #2 AWG	10 PC		1	10	40	C	603.35	471.11	377.44
SRA250-X	AL DUAL RATED SPLICER/REDUCER, 250 MCM	10 PC		1	10	40	C	1876.98	1465.59	1174.19
SRA350-X	AL DUAL RATED SPLICER/REDUCER, 350 MCM	10 PC		1	10	40	C	2146.51	1676.04	1342.79
SRA500-3	AL DUAL RATED SPLICER/REDUCER, 500 MCM	3 PC		1	3	12	C	3417.60	2645.43	2130.64
SRA750-1	AL DUAL RATED SPLICER/REDUCER, 750 MCM	1 PC		1	4		C	3763.84	3031.42	
SRA1000-1	AL DUAL RATED SPLICER/REDUCER, 1000 MCM	1 PC		1	4		C	8934.09	7195.57	
TAPC2-2/0-X	H-TAP COVER, HTAP 2-8 - HTAP 2/0-1	10 PC		1	10	40	C	328.27	254.10	204.65
TAPC3/0-4/0-5	H-TAP COVER, HTAP 3/0-1 - HTAP 4/0-4/0	5 PC		1	5	20	C	369.30	285.86	230.23
TAPC500-2	H-TAP COVER, HTAP 500-500 - HTAP 500-4/0	2 PC		1	2	8	C	837.60	648.35	522.19
VT-0-Q	2 BOLT CU MECH CONN, #2 STR-1/0 STR	25 PC		1	25	100	C	1319.74	1030.48	825.59
VT-1-Q	2 BOLT CU MECH CONN, #2 STR-2/0 STR	25 PC		1	25	100	C	1406.70	1098.38	879.99
VT-2-Q	2 BOLT CU MECH CONN, 1/0 STR-4/0 STR	25 PC		1	25	100	C	2261.99	1766.21	1415.03
VT-3-12	2 BOLT CU MECH CONN, 250-350 MCM	12 PC		1	12	48	C	4488.91	3505.04	2808.13
VT-4-12	2 BOLT CU MECH CONN, 250-500 MCM	12 PC		1	12	48	C	5237.63	4089.65	3276.51
VT-5-6	2 BOLT CU MECH CONN, 400-800 MCM	6 PC		1	6	24	C	7052.02	5506.37	4411.54
VT-6-6	2 BOLT CU MECH CONN, 500-1000 MCM	6 PC		1	6	24	C	9970.06	7784.84	6236.98
VTA-0-Q	2 BOLT CU MECH CONN, TIN PLATED	25 PC		1	25	100	C	1700.54	1327.82	1063.81
VTA-1-Q	2 BOLT CU MECH CONN, TIN PLATED	25 PC		1	25	100	C	1814.35	1416.68	1135.00
VTA-2-Q	2 BOLT CU MECH CONN, TIN PLATED	25 PC		1	25	100	C	2902.30	2266.18	1815.59
VTA-3-12	2 BOLT CU MECH CONN, TIN PLATED	12 PC		1	12	48	C	5965.19	4657.75	3731.65
VTA-4-12	2 BOLT CU MECH CONN, TIN PLATED	12 PC		1	12	48	C	6956.36	5431.68	4351.70
VTA-5-6	2 BOLT CU MECH CONN, TIN PLATED	6 PC		1	6	24	C	9366.35	7313.45	5859.31
VTA-6-6	2 BOLT CU MECH CONN, TIN PLATED	6 PC		1	6	24	C	13240.70	10338.63	8282.99

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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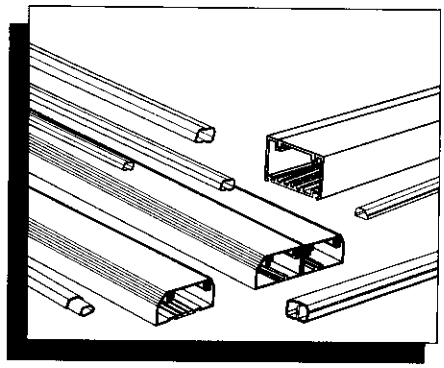
PANDUIT® Raceway Systems

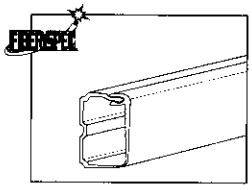
PAN-WAY™ Surface Raceway

The most complete non-metallic system available....



The *Panduit PAN-WAY* Surface Raceway System allows complete manageability, routing and protection for data, voice, video and power wiring. Choose from a wide variety of raceway to meet your specific application requirements. High quality products, manufactured in ISO 9001 registered facilities, assure maximum reliability and flexibility, plus full compliance with all applicable TIA/EIA standards.

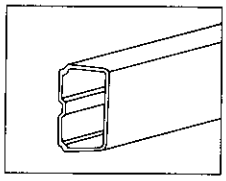
FIBERSPEC Recommended for Fiber Optic Cabling Installations



LDP

Power: Power rated with hinged cover — facilitates laying in cables.

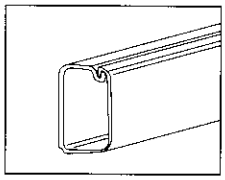
Data: Hinged cover (with added tamper resistance) facilitates laying in cables.



LDS

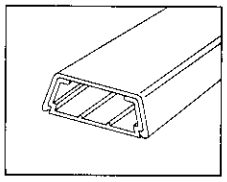
Power: Solid wall design without latch for extreme tamper resistance.

Data: Bendable with extreme tamper resistance



LD

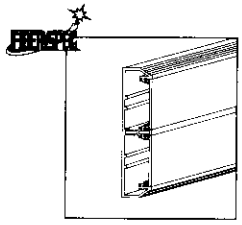
Data only: Hinged cover for quick installation of cables. Full line of low voltage and 1" bend radius control fittings available.



PD

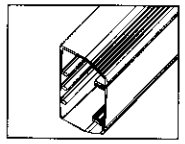
Power: Two piece design offers exceptional tamper resistance.

Data: Extremely impact resistant to protect data cabling.



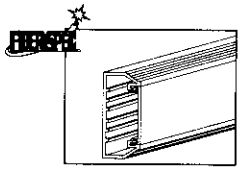
Twin-70

Independent Access for Power and Data: Aesthetically pleasing design provides completely separate channels to assure installer and user safety.
Two raceways in one!



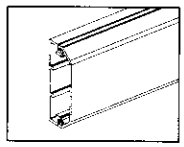
TG-70

Power and Data: Large capacity with a similiar profile to T-70. Maximum capacity of 148 (up to 74 workstations).



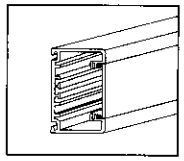
T-70

Power and Data: Low profile design for seamless transitions between systems. Maximize capacity by using the *WORKSTATION OUTLET CENTER*™



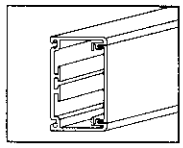
T-45

Power and Data: Low profile design similar to T-70 with maximum capicity up to 34 Cat. 5 cables (8-17 workstations) contained within a small 2.38 footprint.



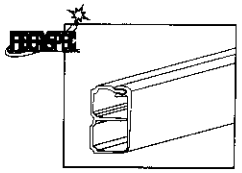
TE-70

Power and Data: T profile that readily accepts standard faceplates. Allows user to have the flexibility to install power cables first and then easily add communication cables later.



Type T

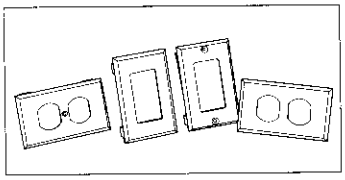
Power and Data: Extremely durable and provides maximum capacity. Superior tamper resistance, ideal for school and university applications.



LD2P10

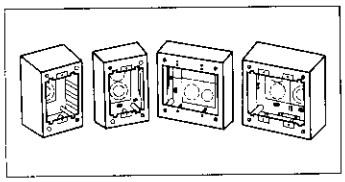
Power and Data: Compact design for routing power and data in one drop. Smallest multi-channel raceway.

*NOTE: The following trade names are used throughout this section:
NORYL is a registered trademark of General Electric Co.



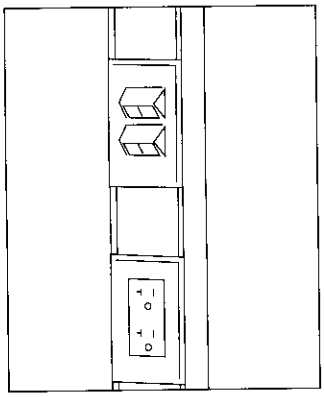
Faceplates

For power and communication outlet installations. Allow high outlet density. Easily installed snap-on styles shown. Screw mounted styles available for traditional installation.



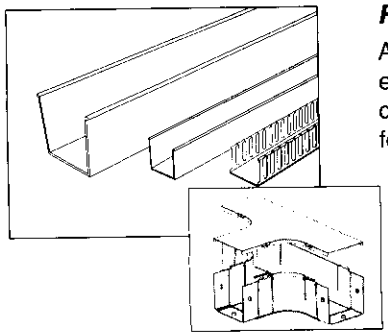
Surface Mount Outlet Boxes

PAN-WAY Surface Mount Outlet Boxes are available to accommodate a wide variety of power and communication termination options. These boxes are designed to work with *PAN-WAY* non-metallic Surface Raceway.



PAN-POLE™ Aluminum Outlet Pole

Aluminum Outlet Poles for power and communications in an open office environment. These accommodate the same power and communication outlets and faceplates as *PAN-WAY* Surface Raceway. Available with pre-wired 20A outlets as a power and communications pole or as a communications only pole. User installs communication faceplate on both versions.



FIBER-DUCT™ Routing System

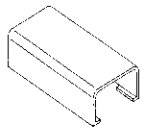
A complete system of duct, fittings and brackets. Ideal for fiber runs between racks in equipment rooms, telco closets and entrance facilities. Separates, routes, protects and conceals vital cables for trunking between closets. Available with pre-drilled 8mm holes for easy assembly.

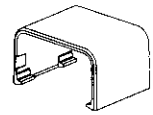
BA3 — Adapter

BA6 — Adapter

CA3 — Adapter

CA5 — Adapter


CF — Coupler

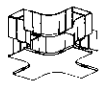

CFX — Coupler

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
BA3EI-X	PD3 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	$ 0.83	$ 0.67
BA3IG-X	PD3 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	0.83	0.67
BA3IW-X	PD3 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	0.83	0.67
BA3WH-X	PD3 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	0.83	0.67
BA6EI-X	PD6 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	0.88	0.72
BA6IG-X	PD6 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	0.88	0.72
BA6IW-X	PD6 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	0.88	0.72
BA6WH-X	PD6 RACEWAY ADAPTER FOR JUNCTION BOXES	10 PC	50	1	10	PC	0.88	0.72
C.5WH6WR	RACEWAY COVER, WEATHER RES, 0.5"W X 6'	120 FT		6	120	FT	0.76	0.61
C1EI6WR	RACEWAY COVER, WEATHER RES, 1"W X 6'	120 FT		6	120	FT	0.95	0.77
C1WH6WR	RACEWAY COVER, WEATHER RES, 1"W X 6'	120 FT		6	120	FT	0.95	0.77
C1.5EI6WR	RACEWAY COVER, WEATHER RES, 1.5"W X 6'	120 FT		6	120	FT	1.18	0.95
C1.5WH6WR	RACEWAY COVER, WEATHER RES, 1.5"W X 6'	120 FT		6	120	FT	1.18	0.95
C2EI6WR	RACEWAY COVER, WEATHER RES, 2"W X 6'	120 FT		6	120	FT	1.43	1.15
C2WH6WR	RACEWAY COVER, WEATHER RES, 2"W X 6'	120 FT		6	120	FT	1.43	1.15
CA3EI-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CA3IG-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CA3IW-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CA3WH-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CA5EI-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CA5IG-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CA5IW-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CA5WH-X	LD/LDP RACEWAY ADAPTER	10 PC	50	1	10	PC	0.81	0.66
CF3EI-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.34	1.08
CF3IG-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.34	1.08
CF3IW-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.34	1.08
CF3WH-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.34	1.08
CF5EI-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.43	1.15
CF5IG-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.43	1.15
CF5IW-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.43	1.15
CF5WH-E	LD/LDP FITTING, COUPLER	20 PC	100	1	20	PC	1.43	1.15
CF10EI-X	LD/LDP/CD10 FITTING, COUPLER	10 PC	100	1	10	PC	1.55	1.25
CF10IG-X	LD/LDP FITTING, COUPLER	10 PC	100	1	10	PC	1.55	1.25
CF10IW-X	LD/LDP FITTING, COUPLER	10 PC	100	1	10	PC	1.55	1.25
CF10WH-X	LD/LDP FITTING, COUPLER	10 PC	100	1	10	PC	1.55	1.25
CFX3EI-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.43	1.15
CFX3IG-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.43	1.15
CFX3IW-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.43	1.15
CFX3WH-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.43	1.15
CFX5EI-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.53	1.24
CFX5IG-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.53	1.24
CFX5IW-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.53	1.24
CFX5WH-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.53	1.24
CFX10EI-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.65	1.33
CFX10IG-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.65	1.33
CFX10IW-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.65	1.33
CFX10WH-X	LD/LDP FITTING, POWER COUPLER	10 PC	100	1	10	PC	1.65	1.33
CP106EI	FACEPLATE, 1-GANG DUPLEX	1 PC	10	1	10	PC	2.97	2.40
CP106EI-2G	FACEPLATE, 2-GANG DUPLEX	1 PC	10	1	10	PC	4.00	3.23
CP106IG	FACEPLATE, 1-GANG DUPLEX	1 PC	10	1	10	PC	2.97	2.40
CP106IG-2G	FACEPLATE, 2-GANG DUPLEX	1 PC	10	1	10	PC	4.00	3.23
CP106IW	FACEPLATE, 1-GANG DUPLEX	1 PC	10	1	10	PC	2.97	2.40
CP106IW-2G	FACEPLATE, 2-GANG DUPLEX	1 PC	10	1	10	PC	4.00	3.23
CP106RD	FACEPLATE, 1-GANG DUPLEX	1 PC	10	1	10	PC	2.97	2.40
CP106RD-2G	FACEPLATE, 2-GANG DUPLEX	1 PC	10	1	10	PC	4.00	3.23

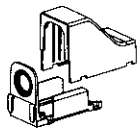
Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

CP106 — Faceplate

CPG — Faceplate



CRFC — 4 Way Cross Fitting



DCEFX — Drop Ceiling/ Entrance End Fitting

DCF — Drop Ceiling Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
CP106WH	FACEPLATE,1-GANG DUPLEX	1 PC	10	1	10	PC	$ 2.97	$ 2.40
CP106WH-2G	FACEPLATE, 2-GANG DUPLEX	1 PC	10	1	10	PC	4.00	3.23
CPGEI	FACEPLATE, 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
CPGEI-2G	FACEPLATE, 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
CPGIG	FACEPLATE, 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
CPGIG-2G	FACEPLATE, 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
CPGIW	FACEPLATE, 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
CPGIW-2G	FACEPLATE, 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
CPGRD	FACEPLATE, 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
CPGRD-2G	FACEPLATE, 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
CPGWH	FACEPLATE, 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
CPGWH-2G	FACEPLATE, 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
CRFC5EI-X	LD/LDP5 FITTING, CROSS COVER	10 PC	100	1	10	PC	5.76	4.64
CRFC5IG-X	LD/LDP5 FITTING, CROSS COVER	10 PC	100	1	10	PC	5.76	4.64
CRFC5IW-X	LD/LDP5 FITTING, CROSS COVER	10 PC	100	1	10	PC	5.76	4.64
CRFC5WH-X	LD/LDP5 FITTING, CROSS COVER	10 PC	100	1	10	PC	5.76	4.64
CRFX5EI-X	LDP5 FITTING, POWER CROSS	10 PC	100	1	10	PC	6.95	5.61
CRFX5IG-X	LDP5 FITTING, POWER CROSS	10 PC	100	1	10	PC	6.95	5.61
CRFX5IW-X	LDP5 FITTING, POWER CROSS	10 PC	100	1	10	PC	6.95	5.61
CRFX5WH-X	LDP5 FITTING, POWER CROSS	10 PC	100	1	10	PC	6.95	5.61
DCEFXEI-X	LDP FITTING, POWER DROP CEILING	10 PC	100	1	10	PC	6.16	4.97
DCEFXIG-X	LDP FITTING, POWER DROP CEILING	10 PC	100	1	10	PC	6.16	4.97
DCEFXIW-X	LDP FITTING, POWER DROP CEILING	10 PC	100	1	10	PC	6.16	4.97
DCEFXWH-X	LDP FITTING, POWER DROP CEILING	10 PC	100	1	10	PC	6.16	4.97
DCF3EI	LD/LDP3 FITTING, DROP CEILING	1 PC	10	1		PC	2.43	
DCF3EI-X	LD/LDP3 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.01	1.62
DCF3IG-X	LD/LDP3 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.01	1.62
DCF3IW-X	LD/LDP3 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.01	1.62
DCF3WH-X	LD/LDP3 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.01	1.62
DCF5EI	LD/LDP5 FITTING, DROP CEILING	1 PC	10	1		PC	2.50	
DCF5EI-X	LD/LDP5 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.06	1.66
DCF5IG-X	LD/LDP5 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.06	1.66
DCF5IW-X	LD/LDP5 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.06	1.66
DCF5WH-X	LD/LDP5 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.06	1.66
DCF10EI	LD/LDP10 FITTING, DROP CEILING	1 PC	10	1		PC	2.52	
DCF10EI-X	LD/LDP10 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.08	1.68
DCF10IG-X	LD/LDP10 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.08	1.68
DCF10IW-X	LD/LDP10 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.08	1.68
DCF10WH-X	LD/LDP10 FITTING, DROP CEILING	10 PC	100	1	10	PC	2.08	1.68
ECF3EI-E	LD/LDP3 FITTING, END CAP	20 PC	100	1	20	PC	1.34	1.08
ECF3IG-E	LD/LDP3 FITTING, END CAP	20 PC	100	1	20	PC	1.34	1.08
ECF3IW-E	LD/LDP3 FITTING, END CAP	20 PC	100	1	20	PC	1.34	1.08
ECF3WH-E	LD/LDP3 FITTING, END CAP	20 PC	100	1	20	PC	1.34	1.08
ECF5EI-E	LD/LDP5 FITTING, END CAP	20 PC	100	1	20	PC	1.43	1.15
ECF5IG-E	LD/LDP5 FITTING, END CAP	20 PC	100	1	20	PC	1.43	1.15
ECF5IW-E	LD/LDP5 FITTING, END CAP	20 PC	100	1	20	PC	1.43	1.15
ECF5WH-E	LD/LDP5 FITTING, END CAP	20 PC	100	1	20	PC	1.43	1.15
ECF10EI-X	LD/LDP10 FITTING, END CAP	10 PC	100	1	10	PC	1.55	1.25
ECF10IG-X	LD/LDP10 FITTING, END CAP	10 PC	100	1	10	PC	1.55	1.25
ECF10IW-X	LD/LDP10 FITTING, END CAP	10 PC	100	1	10	PC	1.55	1.25
ECF10WH-X	LD/LDP10 FITTING, END CAP	10 PC	100	1	10	PC	1.55	1.25
ECFX3EI-X	LDP3 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.43	1.15
ECFX3IG-X	LDP3 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.43	1.15
ECFX3IW-X	LDP3 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.43	1.15
ECFX3WH-X	LDP3 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.43	1.15

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
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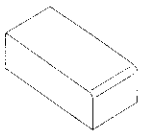
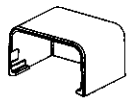
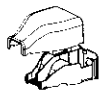


ECF — End Cap Fitting



ECFX End Cap Fitting

ECPG — Executive Series Power Rated Faceplate



EEF — Entrance End Fitting

FCF — Coupler Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
ECFX5EI-X	LDP5 FITTING, POWER END CAP	10 PC	100	1	10	PC	$ 1.53	$ 1.24
ECFX5IG-X	LDP5 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.53	1.24
ECFX5IW-X	LDP5 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.53	1.24
ECFX5WH-X	LDP5 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.53	1.24
ECFX10EI-X	LDP10 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.65	1.33
ECFX10IG-X	LDP10 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.65	1.33
ECFX10IW-X	LDP10 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.65	1.33
ECFX10WH-X	LDP10 FITTING, POWER END CAP	10 PC	100	1	10	PC	1.65	1.33
ECPGBL	FACEPLATE, EXECUTIVE SERIES 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
ECPGBL-2G	FACEPLATE, EXECUTIVE SERIES 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
ECPGEI	FACEPLATE, EXECUTIVE SERIES 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
ECPGEI-2G	FACEPLATE, EXECUTIVE SERIES 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
ECPGIG	FACEPLATE, EXECUTIVE SERIES 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
ECPGIG-2G	FACEPLATE, EXECUTIVE SERIES 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
ECPGIW	FACEPLATE, EXECUTIVE SERIES 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
ECPGIW-2G	FACEPLATE, EXECUTIVE SERIES 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
ECPGRD	FACEPLATE, EXECUTIVE SERIES 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
ECPGRD-2G	FACEPLATE, EXECUTIVE SERIES 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
ECPGWH	FACEPLATE, EXECUTIVE SERIES 1-GANG GFC	1 PC	10	1	10	PC	2.97	2.40
ECPGWH-2G	FACEPLATE, EXECUTIVE SERIES 2-GANG GFC	1 PC	10	1	10	PC	4.00	3.23
EDU20EI-X	DUPLEX 20 AMP OUTLET	10 PC	100	1	10	PC	7.48	6.04
EDU20IW-X	DUPLEX 20 AMP OUTLET	10 PC	100	1	10	PC	7.48	6.04
EEFXEI	LD2P10 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	11.79	9.51
EEFXIG	LD2P10 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	11.79	9.51
EEFXIW	LD2P10 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	11.79	9.51
EEFXWH	LD2P10 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	11.79	9.51
EGU20IW-X	DUPLEX 20 AMP GFCI OUTLET	10 PC	100	1	10	PC	40.80	32.92
EGU20WH-X	DUPLEX 20 AMP GFCI OUTLET	10 PC	100	1	10	PC	40.80	32.92
ERU20EI-X	DUPLEX 20 AMP RECTANGULAR OUTLET	10 PC	100	1	10	PC	9.24	7.46
ERU20IW-X	DUPLEX 20 AMP RECTANGULAR OUTLET	10 PC	100	1	10	PC	9.24	7.46
ERU20WH-X	DUPLEX 20 AMP RECTANGULAR OUTLET	10 PC	100	1	10	PC	9.24	7.46
ETU20IW-X	DUPLEX 20 AMP SURGE SUPPRESSION OUTLET	10 PC	100	1	10	PC	85.59	69.05
ETU20WH-X	DUPLEX 20 AMP SURGE SUPPRESSION OUTLET	10 PC	100	1	10	PC	85.59	69.05
FADC4X4	F.O. ADAPTER BRACKET FROM ADC 4X4 DUCT	1 PC	10	1	10	PC	40.61	
FCF2X2BL	F.O. COUPLER FTG, 2"X2", BLK	1 PC	5	1	10	PC	6.75	
FCF2X2LG	F.O. COUPLER FTG, 2"X2", LGRY	1 PC	5	1	10	PC	6.75	
FCF2X2OR	F.O. COUPLER FTG, 2"X2", ORN	1 PC	5	1	10	PC	6.75	
FCF2X2YL	F.O. COUPLER FTG, 2"X2", YEL	1 PC	5	1	10	PC	6.75	
FCF4X4BL	F.O. COUPLER FTG, 4"X4", BLK	1 PC	5	1	10	PC	8.96	
FCF4X4LG	F.O. COUPLER FTG, 4"X4", LGRY	1 PC	5	1	10	PC	8.96	
FCF4X4OR	F.O. COUPLER FTG, 4"X4", ORN	1 PC	5	1	10	PC	8.96	
FCF4X4YL	F.O. COUPLER FTG, 4"X4", YEL	1 PC	5	1	10	PC	8.96	
FFWC2X2BL	F.O. 4-WAY CROSS FTG, 2"X2", BLK	1 PC	5	1	10	PC	75.21	
FFWC2X2LG	F.O. 4-WAY CROSS FTG, 2"X2", LGRY	1 PC	5	1	10	PC	75.21	
FFWC2X2OR	F.O. 4-WAY CROSS FTG, 2"X2", ORN	1 PC	5	1	10	PC	75.21	
FFWC2X2YL	F.O. 4-WAY CROSS FTG, 2"X2", YEL	1 PC	5	1	10	PC	75.21	
FFWC4X4BL	F.O. 4-WAY CROSS FTG, 4"X4", BLK	1 PC	5	1	10	PC	101.33	
FFWC4X4LG	F.O. 4-WAY CROSS FTG, 4"X4", LGRY	1 PC	5	1	10	PC	101.33	
FFWC4X4OR	F.O. 4-WAY CROSS FTG, 4"X4", ORN	1 PC	5	1	10	PC	101.33	
FFWC4X4YL	F.O. 4-WAY CROSS FTG, 4"X4", YEL	1 PC	5	1	10	PC	101.33	
FG1BL6-A	FLOOR GUARD, SINGLE WIRES, 6'	1 PC		1	5	PC	15.89	12.83
FG1BL50-A	FLOOR GUARD, SINGLE WIRES, 50'	1 PC		1	5	PC	133.73	108.02
FG1BR6-A	FLOOR GUARD, SINGLE WIRES, 6'	1 PC		1	5	PC	15.89	12.83
FG1BR50-A	FLOOR GUARD, SINGLE WIRES, 50'	1 PC		1	5	PC	133.73	108.02
FG1EI6-A	FLOOR GUARD, SINGLE WIRES, 6'	1 PC		1	5	PC	15.89	12.83

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
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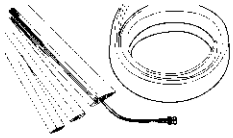
PANDUIT® Raceway Systems



FG — Floor Guard

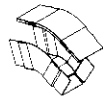
FITF — Transition Fitting

FIV — Inside Vertical 45° Fitting

FIVRA — Inside Vertical 90° Fitting

FLB — Ladder Bracket

FLRB — Ladder Bracket



FOV — Outside Vertical 45° Fitting

FOVRA — Outside Vertical 90° Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities Qty 1	Trade Price Quantities Qty 2	Price UOM	Suggested Trade Prices Price 1	Suggested Trade Prices Price 2
FG1EI50-A	FLOOR GUARD, SINGLE WIRES, 50'	1 PC		1	5	PC	$ 133.73	$ 108.02
FG1YL6-A	FLOOR GUARD, SINGLE WIRES, 6'	1 PC		1	5	PC	15.89	12.83
FG1YL50-A	FLOOR GUARD, SINGLE WIRES, 50'	1 PC		1	5	PC	133.73	108.02
FG3BL6S-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 6'	30 FT		1	30	FT	3.40	2.75
FG3BL50-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 50'	1 PC		1	5	PC	171.39	138.43
FG3BR6S-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 6'	30 FT		1	30	FT	3.40	2.75
FG3BR50-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 50'	1 PC		1	5	PC	171.39	138.43
FG3EI6S-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 6'	30 FT		1	30	FT	3.40	2.75
FG3EI50-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 50'	1 PC		1	5	PC	171.39	138.43
FG3YL6S-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 6'	30 FT		1	30	FT	3.40	2.75
FG3YL50-A	FLOOR GUARD, MULTIPLE OR LRG WIRES, 50'	1 PC		1	5	PC	171.39	138.43
FITF2X2	F.O. TRANS TO 1" INNERDUCT FTG, 2"X2"	1 PC	10	1		PC	11.46	
FITF4X4A	F.O. TRANS TO 1" INNERDUCT FTG, 4"X4"	1 PC	10	1		PC	14.08	
FITF4X4B	F.O. TRANS TO 1.25" INNERDUCT FTG, 4"X4"	1 PC	10	1		PC	14.08	
FIV452X2BL	F.O. INSIDE VERT 45 DEG FTG, 2"X2", BLK	1 PC	5	1		PC	37.11	
FIV452X2LG	F.O. INSIDE VERT 45 DEG FTG, 2"X2", LGRY	1 PC	5	1		PC	37.11	
FIV452X2OR	F.O. INSIDE VERT 45 DEG FTG, 2"X2", ORN	1 PC	5	1		PC	37.11	
FIV452X2YL	F.O. INSIDE VERT 45 DEG FTG, 2"X2", YEL	1 PC	5	1		PC	37.11	
FIV454X4BL	F.O. INSIDE VERT 45 DEG FTG, 4"X4", BLK	1 PC	5	1		PC	50.87	
FIV454X4LG	F.O. INSIDE VERT 45 DEG FTG, 4"X4", LGRY	1 PC	5	1		PC	50.87	
FIV454X4OR	F.O. INSIDE VERT 45 DEG FTG, 4"X4", ORN	1 PC	5	1		PC	50.87	
FIV454X4YL	F.O. INSIDE VERT 45 DEG FTG, 4"X4", YEL	1 PC	5	1		PC	50.87	
FIVRA2X2BL	F.O. INSIDE VERT 90 DEG FTG, 2"X2", BLK	1 PC	5	1		PC	58.37	
FIVRA2X2LG	F.O. INSIDE VERT 90 DEG FTG, 2"X2", LGRY	1 PC	5	1		PC	58.37	
FIVRA2X2OR	F.O. INSIDE VERT 90 DEG FTG, 2"X2", ORN	1 PC	5	1		PC	58.37	
FIVRA2X2YL	F.O. INSIDE VERT 90 DEG FTG, 2"X2", YEL	1 PC	5	1		PC	58.37	
FIVRA4X4BL	F.O. INSIDE VERT 90 DEG FTG, 4"X4", BLK	1 PC	5	1		PC	74.15	
FIVRA4X4LG	F.O. INSIDE VERT 90 DEG FTG, 4"X4", LGRY	1 PC	5	1		PC	74.15	
FIVRA4X4OR	F.O. INSIDE VERT 90 DEG FTG, 4"X4", ORN	1 PC	5	1		PC	74.15	
FIVRA4X4YL	F.O. INSIDE VERT 90 DEG FTG, 4"X4", YEL	1 PC	5	1		PC	74.15	
FLB	F.O. L" BRACKET KIT FOR WALL MOUNTING	1 PC	10	1		PC	12.93	
FLB12X15	F.O. LADDER BRACKET, .5" ROD, 1.5" RACK	1 PC	10	1		PC	10.28	
FLB12X20	F.O. LADDER BRACKET, .5" ROD, 2" RACK	1 PC	10	1		PC	10.28	
FLB58X15	F.O. LADDER BRACKET, .63" ROD, 1.5" RACK	1 PC	10	1		PC	10.28	
FLB58X20	F.O. LADDER BRACKET, .63" ROD, 2" RACK	1 PC	10	1		PC	10.49	
FLRB	F.O. LADDER BRKET, .38" ROD, 1.5-2" RACK	1 PC	10	1		PC	14.48	
FMRB	F.O. MANAGEMENT RACK BRACKET	1 PC	10	1		PC	18.01	
FMS75X6	MAGENTIC STRIP, 0.75" X 6'	1 PC		1	5	PC	10.67	8.61
FMS100X6	MAGENTIC STRIP, 1" X 6'	1 PC		1	5	PC	13.16	10.63
FOV452X2BL	F.O. OUTSIDE VERT 45 DEG FTG, 2"X2",BLK	1 PC	5	1		PC	37.11	
FOV452X2LG	F.O. OUTSIDE VERT 45 DEG FTG, 2"X2",LGRY	1 PC	5	1		PC	37.11	
FOV452X2OR	F.O. OUTSIDE VERT 45 DEG FTG, 2"X2",ORN	1 PC	5	1		PC	37.11	
FOV452X2YL	F.O. OUTSIDE VERT 45 DEG FTG, 2"X2",YEL	1 PC	5	1		PC	37.11	
FOV454X4BL	F.O. OUTSIDE VERT 45 DEG FTG, 4"X4",BLK	1 PC	5	1		PC	53.46	
FOV454X4LG	F.O. OUTSIDE VERT 45 DEG FTG, 4"X4",LGRY	1 PC	5	1		PC	53.46	
FOV454X4OR	F.O. OUTSIDE VERT 45 DEG FTG, 4"X4",ORN	1 PC	5	1		PC	53.46	
FOV454X4YL	F.O. OUTSIDE VERT 45 DEG FTG, 4"X4",YEL	1 PC	5	1		PC	53.46	
FOVRA2X2BL	F.O. OUTSIDE VERT 90 DEG FTG, 2"X2",BLK	1 PC	5	1		PC	62.58	
FOVRA2X2LG	F.O. OUTSIDE VERT 90 DEG FTG, 2"X2",LGRY	1 PC	5	1		PC	62.58	
FOVRA2X2OR	F.O. OUTSIDE VERT 90 DEG FTG, 2"X2",ORN	1 PC	5	1		PC	62.58	
FOVRA2X2YL	F.O. OUTSIDE VERT 90 DEG FTG, 2"X2",YEL	1 PC	5	1		PC	62.58	
FOVRA4X4BL	F.O. OUTSIDE VERT 90 DEG FTG, 4"X4",BLK	1 PC	5	1		PC	75.60	
FOVRA4X4LG	F.O. OUTSIDE VERT 90 DEG FTG, 4"X4",LGRY	1 PC	5	1		PC	75.60	
FOVRA4X4OR	F.O. OUTSIDE VERT 90 DEG FTG, 4"X4",ORN	1 PC	5	1		PC	75.60	
FOVRA4X4YL	F.O. OUTSIDE VERT 90 DEG FTG, 4"X4",YEL	1 PC	5	1		PC	75.60	

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Effective Date: March 23, 2001

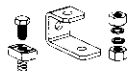
FP2DC Faceplate

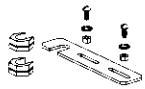
FP2RC Faceplate

FRA — Right Angle Fitting

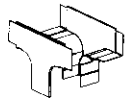
FRF — Reducer Fitting

FT — Tee Fitting


FTRB — Unistrut Bracket


FTRBE — Bracket Kit

FTRBN — Bracket Kit


FVT — Vertical Waterfall Tee Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
FP2DCBL	FACEPLATE, DUPLEX ELEC & BEZEL	1 PC	10	1	10	PC	$ 4.64	$ 3.75
FP2DCEI	FACEPLATE, DUPLEX ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2DCIG	FACEPLATE, DUPLEX ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2DCIW	FACEPLATE, DUPLEX ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2DCWH	FACEPLATE, DUPLEX ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2RCBL	FACEPLATE, RECT ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2RCEI	FACEPLATE, RECT ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2RCIG	FACEPLATE, RECT ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2RCIW	FACEPLATE, RECT ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FP2RCWH	FACEPLATE, RECT ELEC & BEZEL	1 PC	10	1	10	PC	4.64	3.75
FRA2X2BL	F.O. 90 DEGREE FTG, 2"X2", BLK	1 PC	5	1		PC	63.61	
FRA2X2LG	F.O. 90 DEGREE FTG, 2"X2", LGRY	1 PC	5	1		PC	63.61	
FRA2X2OR	F.O. 90 DEGREE FTG, 2"X2", ORN	1 PC	5	1		PC	63.61	
FRA2X2YL	F.O. 90 DEGREE FTG, 2"X2", YEL	1 PC	5	1		PC	63.61	
FRA4X4BL	F.O. 90 DEGREE FTG, 4"X4", BLK	1 PC	5	1		PC	84.81	
FRA4X4LG	F.O. 90 DEGREE FTG, 4"X4", LGRY	1 PC	5	1		PC	84.81	
FRA4X4OR	F.O. 90 DEGREE FTG, 4"X4", ORN	1 PC	5	1		PC	84.81	
FRA4X4YL	F.O. 90 DEGREE FTG, 4"X4", YEL	1 PC	5	1		PC	84.81	
FRF42BL	F.O. REDUCER FTG, 4"X4" TO 2"X2", BLK	1 PC	5	1		PC	35.24	
FRF42LG	F.O. REDUCER FTG, 4"X4" TO 2"X2", LGRY	1 PC	5	1		PC	35.24	
FRF42OR	F.O. REDUCER FTG, 4"X4" TO 2"X2", ORN	1 PC	5	1		PC	35.24	
FRF42YL	F.O. REDUCER FTG, 4"X4" TO 2"X2", YEL	1 PC	5	1		PC	35.24	
FT2X2BL	F.O. TEE FTG, 2"X2", BLK	1 PC	5	1		PC	69.68	
FT2X2LG	F.O. TEE FTG, 2"X2", LGRY	1 PC	5	1		PC	69.68	
FT2X2OR	F.O. TEE FTG, 2"X2", ORN	1 PC	5	1		PC	69.68	
FT2X2YL	F.O. TEE FTG, 2"X2", YEL	1 PC	5	1		PC	69.68	
FT4X4BL	F.O. TEE FTG, 4"X4", BLK	1 PC	5	1		PC	86.34	
FT4X4LG	F.O. TEE FTG, 4"X4", LGRY	1 PC	5	1		PC	86.34	
FT4X4OR	F.O. TEE FTG, 4"X4", ORN	1 PC	5	1		PC	86.34	
FT4X4YL	F.O. TEE FTG, 4"X4", YEL	1 PC	5	1		PC	86.34	
FTRB12	F.O. UNISTRUT BRACKET KIT, 0.5" ROD	1 PC	10	1		PC	14.74	
FTRBE12	F.O. BRACKET KIT, EXISTING 0.5" ROD	1 PC	10	1		PC	22.34	
FTRBE58	F.O. BRACKET KIT, EXISTING 0.63" ROD	1 PC	10	1		PC	22.34	
FTRBN12	F.O. BRACKET KIT, NEW 0.5" ROD	1 PC	10	1		PC	9.31	
FTRBN58	F.O. BRACKET KIT, NEW 0.63" ROD	1 PC	10	1		PC	9.31	
FUSB	F.O. BRACKET KIT, UNDER-FLOOR PEDESTAL	1 PC	10	1		PC	15.52	
FVT2X2BL	F.O. VERTICAL TEE FTG, 2"X2", BLK	1 PC	5	1		PC	68.83	
FVT2X2LG	F.O. VERTICAL TEE FTG, 2"X2", LGRY	1 PC	5	1		PC	68.83	
FVT2X2OR	F.O. VERTICAL TEE FTG, 2"X2", ORN	1 PC	5	1		PC	68.83	
FVT2X2YL	F.O. VERTICAL TEE FTG, 2"X2", YEL	1 PC	5	1		PC	68.83	
FVT4X4BL	F.O. VERTICAL TEE FTG, 4"X4", BLK	1 PC	5	1		PC	98.97	
FVT4X4LG	F.O. VERTICAL TEE FTG, 4"X4", LGRY	1 PC	5	1		PC	98.97	
FVT4X4OR	F.O. VERTICAL TEE FTG, 4"X4", ORN	1 PC	5	1		PC	98.97	
FVT4X4YL	F.O. VERTICAL TEE FTG, 4"X4", YEL	1 PC	5	1		PC	98.97	
FZBA1.5X4	FIBER DUCT Z BRACKET	1 PC	10	1		PC	10.22	
ICF3EI-E	LD/LDP3 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
ICF3IG-E	LD/LDP3 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
ICF3IW-E	LD/LDP3 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
ICF3WH-E	LD/LDP3 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
ICF5EI-E	LD/LDP5 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
ICF5IG-E	LD/LDP5 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
ICF5IW-E	LD/LDP5 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
ICF5WH-E	LD/LDP5 FITTING, INSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
ICF10EI-X	LD/LDP10 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.55	1.25
ICF10IG-X	LD/LDP10 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.55	1.25

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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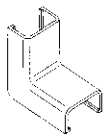
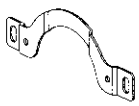
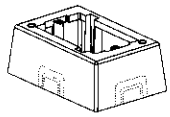
All prices subject to change without notice.



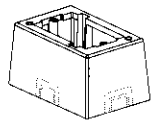
ICF — Inside Corner Fitting



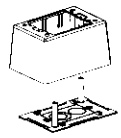
JBA-X — Adapter



JB1 — 1 pc. Single Gang, Low Voltage Junction Box



JB1D — 1 pc. Deep Single Gang, Low Voltage Junction Box



JBP1D — Deep Single Gang Power Rated Junction Box

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
ICF10IW-X	LD/LDP10 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	$ 1.55	$ 1.25
ICF10WH-X	LD/LDP10 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.55	1.25
ICFC3EI-X	LD/LDP3 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
ICFC3IG-X	LD/LDP3 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
ICFC3IW-X	LD/LDP3 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
ICFC3WH-X	LD/LDP3 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
ICFC5EI-X	LD/LDP5 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
ICFC5IG-X	LD/LDP5 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
ICFC5IW-X	LD/LDP5 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
ICFC5WH-X	LD/LDP5 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
ICFC10EI-X	LD/LDP10 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.87	1.51
ICFC10IG-X	LD/LDP10 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.87	1.51
ICFC10IW-X	LD/LDP10 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.87	1.51
ICFC10WH-X	LD/LDP10 FITTING, BRC INSIDE CORNER	10 PC	100	1	10	PC	1.87	1.51
ICFX3EI-X	LDP3 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.41	1.95
ICFX3IG-X	LDP3 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.41	1.95
ICFX3IW-X	LDP3 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.41	1.95
ICFX3WH-X	LDP3 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.41	1.95
ICFX5EI-X	LDP5 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.57	2.07
ICFX5IG-X	LDP5 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.57	2.07
ICFX5IW-X	LDP5 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.57	2.07
ICFX5WH-X	LDP5 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.57	2.07
ICFX10EI-X	LDP10 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.80	2.26
ICFX10IG-X	LDP10 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.80	2.26
ICFX10IW-X	LDP10 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.80	2.26
ICFX10WH-X	LDP10 FITTING, POWER INSIDE CORNER	10 PC	100	1	10	PC	2.80	2.26
JB1DEI-A	1-PIECE JUNCTION BOX, 1-GANG, DEEP, ADH	1 PC	10	1	5	PC	6.28	5.07
JB1DIG-A	1-PIECE JUNCTION BOX, 1-GANG, DEEP, ADH	1 PC	10	1	5	PC	6.28	5.07
JB1DIW-A	1-PIECE JUNCTION BOX, 1-GANG, DEEP, ADH	1 PC	10	1	5	PC	6.28	5.07
JB1DWH-A	1-PIECE JUNCTION BOX, 1-GANG, DEEP, ADH	1 PC	10	1	5	PC	6.28	5.07
JB1EI-A	1-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	4.77	3.85
JB1FSEI-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	5.54	4.47
JB1FSIG-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	5.54	4.47
JB1FSIW-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	5.54	4.47
JB1FSWH-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	5.54	4.47
JB1IG-A	1-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	4.77	3.85
JB1IW-A	1-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	4.77	3.85
JB1WH-A	1-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	10	1	5	PC	4.77	3.85
JBA-X	JUNCTION BOX ADAPTER	10 PC	100	1	10	PC	1.78	1.44
JBD1	1-GANG PASS THROUGH DIVIDER FOR LD2P10	1 PC	10	1	5	PC	3.64	2.94
JBD2	2-GANG PASS THROUGH DIVIDER FOR LD2P10	1 PC	10	1	10	PC	8.12	6.56
JBP1DEI	JUNCTION BOX, 1-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	11.16	9.00
JBP1DIG	JUNCTION BOX, 1-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	11.16	9.00
JBP1DIW	JUNCTION BOX, 1-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	11.16	9.00
JBP1DWH	JUNCTION BOX, 1-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	11.16	9.00
JBP1EEI	JUNCTION BOX, 1-GANG PWR RATED, LOW PROF.	1 PC	10	1	5	PC	4.89	3.95
JBP1EI	JUNCTION BOX, 1-GANG POWER RATED	1 PC	10	1	5	PC	6.69	5.40
JBP1EIG	JUNCTION BOX, 1-GANG PWR RATED, LOW PROF.	1 PC	10	1	5	PC	4.89	3.95
JBP1EIW	JUNCTION BOX, 1-GANG PWR RATED, LOW PROF.	1 PC	10	1	5	PC	4.89	3.95
JBP1EWH	JUNCTION BOX, 1-GANG PWR RATED, LOW PROF.	1 PC	10	1	5	PC	4.89	3.95
JBP1IEI	JUNCTION BOX, 1-GANG POWER RATED, INTER	1 PC	10	1	5	PC	6.60	5.33
JBP1IG	JUNCTION BOX, 1-GANG POWER RATED	1 PC	10	1	5	PC	6.69	5.40
JBP1IIG	JUNCTION BOX, 1-GANG POWER RATED, INTER	1 PC	10	1	5	PC	6.60	5.33
JBP1IIW	JUNCTION BOX, 1-GANG POWER RATED, INTER	1 PC	10	1	5	PC	6.60	5.33
JBP1IW	JUNCTION BOX, 1-GANG POWER RATED	1 PC	10	1	5	PC	6.69	5.40

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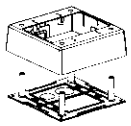
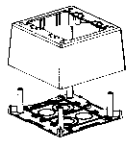
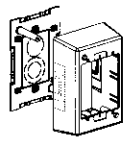
Effective Date: March 23, 2001



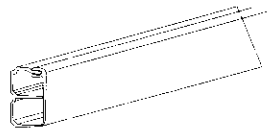
JBP2 — Double Gang Power Rated Junction Box



JBP2D — Double Gang Deep Power Rated Junction Box



JBP1 — Single Gang Power Rated Junction Box



LD2P10 — Surface Raceway

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
JBP1IWH	JUNCTION BOX, 1-GANG POWER RATED, INTER	1 PC	10	1	5	PC	$ 6.60	$ 5.33
JBP1MD20EI	JUNCTION BOX, 2-PC WITH 20 AMP ELEC OUTLET	1 PC	10	1	5	PC	13.20	10.65
JBP1MD20IW	JUNCTION BOX, 2-PC WITH 20 AMP ELEC OUTLET	1 PC	10	1	5	PC	13.20	10.65
JBP1MR20EI	JUNCTION BOX, 2-PC WITH 20 AMP ELEC OUTLET	1 PC	10	1	5	PC	14.96	12.07
JBP1MR20IW	JUNCTION BOX, 2-PC WITH 20 AMP ELEC OUTLET	1 PC	10	1	5	PC	14.96	12.07
JBP1WH	JUNCTION BOX, 1-GANG POWER RATED	1 PC	10	1	5	PC	6.69	5.40
JBP2BL	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	8.91	7.19
JBP2DBL	JUNCTION BOX, 2-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	13.87	11.19
JBP2DEI	JUNCTION BOX, 2-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	13.87	11.19
JBP2DIG	JUNCTION BOX, 2-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	13.87	11.19
JBP2DIW	JUNCTION BOX, 2-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	13.87	11.19
JBP2DWH	JUNCTION BOX, 2-GANG POWER RATED, DEEP	1 PC	10	1	5	PC	13.87	11.19
JBP2EI	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	8.91	7.19
JBP2FSEI	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	10.68	8.62
JBP2FSIG	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	10.68	8.62
JBP2FSIW	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	10.68	8.62
JBP2FSWH	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	10.68	8.62
JBP2IG	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	8.91	7.19
JBP2IW	JUNCTION BOX, 2-GANG POWER RATED	1 PC	10	1	5	PC	8.91	7.19
JBP2SEI	JUNCTION BOX, 2-GANG POWER RTD, DIVIDED	1 PC	10	1	5	PC	11.12	8.97
JBP2SIG	JUNCTION BOX, 2-GANG POWER RTD, DIVIDED	1 PC	10	1	5	PC	11.12	8.97
JBP2SIW	JUNCTION BOX, 2-GANG POWER RTD, DIVIDED	1 PC	10	1	5	PC	11.12	8.97
JBP2SWH	JUNCTION BOX, 2-GANG POWER RTD, DIVIDED	1 PC	10	1	5	PC	11.12	8.97
JBP2WH	JUNCTION BOX, 2-GANG POWER RTD, DIVIDED	1 PC	10	1	5	PC	8.91	7.19
JBX3510EI-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	5	1	5	PC	4.77	3.85
JBX3510IG-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	5	1	5	PC	4.77	3.85
JBX3510IW-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	5	1	5	PC	4.77	3.85
JBX3510WH-A	2-PIECE JUNCTION BOX, 1-GANG, ADH	1 PC	5	1	5	PC	4.77	3.85
LD2P10EI8-A	DIV POWER RACEWAY, HINGED ADH, 8'	160 FT		8	160	FT	3.92	3.17
LD2P10EI10-A	DIV POWER RACEWAY, HINGED ADH, 10'	200 FT		10	200	FT	3.92	3.17
LD2P10IG8-A	DIV POWER RACEWAY, HINGED ADH, 8'	160 FT		8	160	FT	3.92	3.17
LD2P10IG10-A	DIV POWER RACEWAY, HINGED ADH, 10'	200 FT		10	200	FT	3.92	3.17
LD2P10IW8-A	DIV POWER RACEWAY, HINGED ADH, 8'	160 FT		8	160	FT	3.92	3.17
LD2P10IW10-A	DIV POWER RACEWAY, HINGED ADH, 10'	200 FT		10	200	FT	3.92	3.17
LD2P10WH8-A	DIV POWER RACEWAY, HINGED ADH, 8'	160 FT		8	160	FT	3.92	3.17
LD2P10WH10-A	DIV POWER RACEWAY, HINGED ADH, 10'	200 FT		10	200	FT	3.92	3.17
LD3EI6-A	DATA RACEWAY, SML, HINGED W/ADH, 6'	120 FT		6	120	FT	2.18	1.76
LD3EI8-A	DATA RACEWAY, SML, HINGED W/ADH, 8'	160 FT		8	160	FT	2.18	1.76
LD3EI10-A	DATA RACEWAY, SML, HINGED W/ADH, 10'	200 FT		10	200	FT	2.18	1.76
LD3IG6-A	DATA RACEWAY, SML, HINGED W/ADH, 6'	120 FT		6	120	FT	2.18	1.76
LD3IG8-A	DATA RACEWAY, SML, HINGED W/ADH, 8'	160 FT		8	160	FT	2.18	1.76
LD3IG10-A	DATA RACEWAY, SML, HINGED W/ADH, 10'	200 FT		10	200	FT	2.18	1.76
LD3IW6-A	DATA RACEWAY, SML, HINGED W/ADH, 6'	120 FT		6	120	FT	2.18	1.76
LD3IW8-A	DATA RACEWAY, SML, HINGED W/ADH, 8'	160 FT		8	160	FT	2.18	1.76
LD3IW10-A	DATA RACEWAY, SML, HINGED W/ADH, 10'	200 FT		10	200	FT	2.18	1.76
LD3WH6-A	DATA RACEWAY, SML, HINGED W/ADH, 6'	120 FT		6	120	FT	2.18	1.76
LD3WH8-A	DATA RACEWAY, SML, HINGED W/ADH, 8'	160 FT		8	160	FT	2.18	1.76
LD3WH10-A	DATA RACEWAY, SML, HINGED W/ADH, 10'	200 FT		10	200	FT	2.18	1.76
LD5BL6-A	DATA RACEWAY, MED, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LD5EI6-A	DATA RACEWAY, MED, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LD5EI8-A	DATA RACEWAY, MED, HINGED W/ADH, 8'	160 FT		8	160	FT	2.39	1.93
LD5EI10-A	DATA RACEWAY, MED, HINGED W/ADH, 10'	200 FT		10	200	FT	2.39	1.93
LD5IG6-A	DATA RACEWAY, MED, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LD5IG8-A	DATA RACEWAY, MED, HINGED W/ADH, 8'	160 FT		8	160	FT	2.39	1.93
LD5IG10-A	DATA RACEWAY, MED, HINGED W/ADH, 10'	200 FT		10	200	FT	2.39	1.93

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
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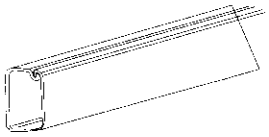
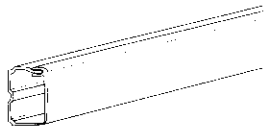


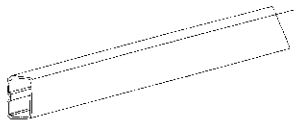
LD3, LD5, and LD10 —
Surface Raceway

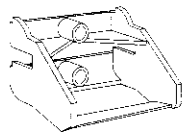


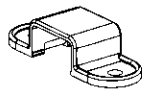
LDP3, LDP5, and LDP10 —
Surface Raceway

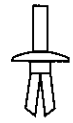
Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
LD5IW6-A	DATA RACEWAY, MED, HINGED W/ADH, 6'	120 FT		6	120	FT	$ 2.39	$ 1.93
LD5IW8-A	DATA RACEWAY, MED, HINGED W/ADH, 8'	160 FT		8	160	FT	2.39	1.93
LD5IW10-A	DATA RACEWAY, MED, HINGED W/ADH, 10'	200 FT		10	200	FT	2.39	1.93
LD5WH6-A	DATA RACEWAY, MED, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LD5WH8-A	DATA RACEWAY, MED, HINGED W/ADH, 8'	160 FT		8	160	FT	2.39	1.93
LD5WH10-A	DATA RACEWAY, MED, HINGED W/ADH, 10'	200 FT		10	200	FT	2.39	1.93
LD10EI6-A	DATA RACEWAY, LRG, HINGED W/ADH, 6'	120 FT		6	120	FT	3.26	2.63
LD10EI8-A	DATA RACEWAY, LRG, HINGED W/ADH, 8'	160 FT		8	160	FT	3.26	2.63
LD10EI10-A	DATA RACEWAY, LRG, HINGED W/ADH, 10'	200 FT		10	200	FT	3.26	2.63
LD10IG6-A	DATA RACEWAY, LRG, HINGED W/ADH, 6'	120 FT		6	120	FT	3.26	2.63
LD10IG8-A	DATA RACEWAY, LRG, HINGED W/ADH, 8'	160 FT		8	160	FT	3.26	2.63
LD10IG10-A	DATA RACEWAY, LRG, HINGED W/ADH, 10'	200 FT		10	200	FT	3.26	2.63
LD10IW6-A	DATA RACEWAY, LRG, HINGED W/ADH, 6'	120 FT		6	120	FT	3.26	2.63
LD10IW8-A	DATA RACEWAY, LRG, HINGED W/ADH, 8'	160 FT		8	160	FT	3.26	2.63
LD10IW10-A	DATA RACEWAY, LRG, HINGED W/ADH, 10'	200 FT		10	200	FT	3.26	2.63
LD10WH6-A	DATA RACEWAY, LRG, HINGED W/ADH, 6'	120 FT		6	120	FT	3.26	2.63
LD10WH8-A	DATA RACEWAY, LRG, HINGED W/ADH, 8'	160 FT		8	160	FT	3.26	2.63
LD10WH10-A	DATA RACEWAY, LRG, HINGED W/ADH, 10'	200 FT		10	200	FT	3.26	2.63
LDP3EI6-A	POWER RACEWAY, SMALL, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LDP3EI8-A	POWER RACEWAY, SMALL, HINGED W/ADH, 8'	160 FT		8	160	FT	2.39	1.93
LDP3EI10-A	POWER RACEWAY, SMALL, HINGED W/ADH, 10'	200 FT		10	200	FT	2.39	1.93
LDP3IG6-A	POWER RACEWAY, SMALL, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LDP3IW6-A	POWER RACEWAY, SMALL, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LDP3IW8-A	POWER RACEWAY, SMALL, HINGED W/ADH, 8'	160 FT		8	160	FT	2.39	1.93
LDP3IW10-A	POWER RACEWAY, SMALL, HINGED W/ADH, 10'	200 FT		10	200	FT	2.39	1.93
LDP3WH6-A	POWER RACEWAY, SMALL, HINGED W/ADH, 6'	120 FT		6	120	FT	2.39	1.93
LDP3WH8-A	POWER RACEWAY, SMALL, HINGED W/ADH, 8'	160 FT		8	160	FT	2.39	1.93
LDP3WH10-A	POWER RACEWAY, SMALL, HINGED W/ADH, 10'	200 FT		10	200	FT	2.39	1.93
LDP5BL6-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 6'	120 FT		6	120	FT	2.64	2.13
LDP5EI6-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 6'	120 FT		6	120	FT	2.64	2.13
LDP5EI8-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 8'	160 FT		8	160	FT	2.64	2.13
LDP5EI10-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 10'	200 FT		10	200	FT	2.64	2.13
LDP5IG6-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 6'	120 FT		6	120	FT	2.64	2.13
LDP5IG8-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 8'	160 FT		8	160	FT	2.64	2.13
LDP5IG10-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 10'	200 FT		10	200	FT	2.64	2.13
LDP5IW6-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 6'	120 FT		6	120	FT	2.64	2.13
LDP5IW8-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 8'	160 FT		8	160	FT	2.64	2.13
LDP5IW10-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 10'	200 FT		10	200	FT	2.64	2.13
LDP5WH6-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 6'	120 FT		6	120	FT	2.64	2.13
LDP5WH8-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 8'	160 FT		8	160	FT	2.64	2.13
LDP5WH10-A	POWER RACEWAY, MEDIUM, HINGED W/ADH, 10'	200 FT		10	200	FT	2.64	2.13
LDP10EI6-A	POWER RACEWAY, LARGE, HINGED W/ADH, 6'	120 FT		6	120	FT	3.57	2.88
LDP10EI8-A	POWER RACEWAY, LARGE, HINGED W/ADH, 8'	160 FT		8	160	FT	3.57	2.88
LDP10EI10-A	POWER RACEWAY, LARGE, HINGED W/ADH, 10'	200 FT		10	200	FT	3.57	2.88
LDP10IG6-A	POWER RACEWAY, LARGE, HINGED W/ADH, 6'	120 FT		6	120	FT	3.57	2.88
LDP10IG8-A	POWER RACEWAY, LARGE, HINGED W/ADH, 8'	160 FT		8	160	FT	3.57	2.88
LDP10IG10-A	POWER RACEWAY, LARGE, HINGED W/ADH, 10'	200 FT		10	200	FT	3.57	2.88
LDP10IW6-A	POWER RACEWAY, LARGE, HINGED W/ADH, 6'	120 FT		6	120	FT	3.57	2.88
LDP10IW8-A	POWER RACEWAY, LARGE, HINGED W/ADH, 8'	160 FT		8	160	FT	3.57	2.88
LDP10IW10-A	POWER RACEWAY, LARGE, HINGED W/ADH, 10'	200 FT		10	200	FT	3.57	2.88
LDP10WH6-A	POWER RACEWAY, LARGE, HINGED W/ADH, 6'	120 FT		6	120	FT	3.57	2.88
LDP10WH8-A	POWER RACEWAY, LARGE, HINGED W/ADH, 8'	160 FT		8	160	FT	3.57	2.88
LDP10WH10-A	POWER RACEWAY, LARGE, HINGED W/ADH, 10'	200 FT		10	200	FT	3.57	2.88
LDS3EI10-A	POWER RACEWAY, SMALL, SOLID W/ADH, 10'	200 FT		10	200	FT	1.02	0.82
LDS3IG10-A	POWER RACEWAY, SMALL, SOLID W/ADH, 10'	200 FT		10	200	FT	1.02	0.82

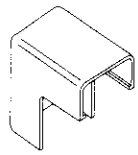
Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

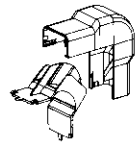

LDS3 and LDS5 — Surface Raceway

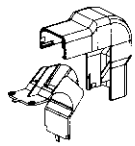

LDW 3,5 and 10 Raceway Installation Tool


LMD — Mounting Straps


NR Nylon Rivets


OCF — Outside Corner Fitting


OCFC — Outside Corner Fitting


OCFX — Outside Corner Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
LDS3IW10-A	POWER RACEWAY, SMALL, SOLID W/ADH, 10'	200 FT		10	200	FT	$ 1.02	$ 0.82
LDS3WH10-A	POWER RACEWAY, SMALL, SOLID W/ADH, 10'	200 FT		10	200	FT	1.02	0.82
LDS5EI10-A	POWER RACEWAY, MEDIUM, SOLID W/ADH, 10'	200 FT		10	200	FT	1.16	0.94
LDS5IG10-A	POWER RACEWAY, MEDIUM, SOLID W/ADH, 10'	200 FT		10	200	FT	1.16	0.94
LDS5IW10-A	POWER RACEWAY, MEDIUM, SOLID W/ADH, 10'	200 FT		10	200	FT	1.16	0.94
LDS5WH10-A	POWER RACEWAY, MEDIUM, SOLID W/ADH, 10'	200 FT		10	200	FT	1.16	0.94
LDW3-V	RACEWAY INSTALLATION TOOL, LDP3	5 PC	50	1	5	PC	2.78	2.25
LDW5-V	RACEWAY INSTALLATION TOOL, LDP5	5 PC	50	1	5	PC	3.46	2.79
LDW10-V	RACEWAY INSTALLATION TOOL, LDP10/LD2P10	5 PC	50	1	5	PC	4.04	3.26
LMD3EI-Q	LDS3 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.60	0.48
LMD3IG-Q	LDS3 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.60	0.48
LMD3IW-Q	LDS3 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.60	0.48
LMD3WH-Q	LDS3 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.60	0.48
LMD5EI-Q	LDS5 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.77	0.62
LMD5IG-Q	LDS5 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.77	0.62
LMD5IW-Q	LDS5 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.77	0.62
LMD5WH-Q	LDS5 TAMPER RESISTANT MOUNTING STRAP	25 PC	100	1	25	PC	0.77	0.62
NR2WH-L	NYLON SNAP RIVET, 2" X 2", WHT	50 PC	500	1	50	C	48.93	39.48
NR4BL-L	NYLON SNAP RIVET, 4" X 4", BLK	50 PC	500	1	50	C	48.93	39.48
OCF3EI-E	LD/LDP3 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
OCF3IG-E	LD/LDP3 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
OCF3IW-E	LD/LDP3 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
OCF3WH-E	LD/LDP3 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.34	1.08
OCF5EI-E	LD/LDP5 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
OCF5IG-E	LD/LDP5 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
OCF5IW-E	LD/LDP5 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
OCF5WH-E	LD/LDP5 FITTING, OUTSIDE CORNER	20 PC	100	1	20	PC	1.43	1.15
OCF10EI-X	LD/LDP10 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.55	1.25
OCF10IG-X	LD/LDP10 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.55	1.25
OCF10IW-X	LD/LDP10 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.55	1.25
OCF10WH-X	LD/LDP10 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.55	1.25
OCFC3EI-X	LDP3 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
OCFC3IG-X	LDP3 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
OCFC3IW-X	LDP3 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
OCFC3WH-X	LDP3 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.71	1.38
OCFC5EI-X	LDP5 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.81	1.46
OCFC5IG-X	LDP5 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.81	1.46
OCFC5IW-X	LDP5 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.81	1.46
OCFC5WH-X	LDP5 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	1.81	1.46
OCFC10EI-X	LDP10 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	2.04	1.65
OCFC10IG-X	LDP10 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	2.04	1.65
OCFC10IW-X	LDP10 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	2.04	1.65
OCFC10WH-X	LDP10 FITTING, POWER OUTSIDE CORNER	10 PC	100	1	10	PC	2.04	1.65
OCFX3EI-X	LD/LDP3 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.62	2.12
OCFX3IG-X	LD/LDP3 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.62	2.12
OCFX3IW-X	LD/LDP3 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.62	2.12
OCFX3WH-X	LD/LDP3 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.62	2.12
OCFX5EI-X	LD/LDP5 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.66	2.14
OCFX5IG-X	LD/LDP5 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.66	2.14
OCFX5IW-X	LD/LDP5 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.66	2.14
OCFX5WH-X	LD/LDP5 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	2.66	2.14
OCFX10EI-X	LD/LDP10 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	3.10	2.50
OCFX10IG-X	LD/LDP10 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	3.10	2.50
OCFX10IW-X	LD/LDP10 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	3.10	2.50
OCFX10WH-X	LD/LDP10 FITTING, BRC OUTSIDE CORNER	10 PC	100	1	10	PC	3.10	2.50

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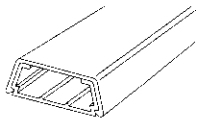
PANDUIT® Raceway Systems

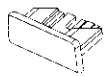
PCF — Coupler

PCPA — Data Only Pole

PCPA — Data/Power Pole



PD3 and PD6 Surface Raceway



PECF — End Cap Fitting

PEEF — Entrance End Fitting

PFBC36 — Fitting

PFFW — 4 Way Cross Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
PCF3EI-X	PD3 FITTING, COUPLER	10 PC	100	1	10	PC	$ 0.46	$ 0.37
PCF3IG-X	PD3 FITTING, COUPLER	10 PC	100	1	10	PC	0.46	0.37
PCF3IW-X	PD3 FITTING, COUPLER	10 PC	100	1	10	PC	0.46	0.37
PCF3WH-X	PD3 FITTING, COUPLER	10 PC	100	1	10	PC	0.46	0.37
PCF6EI-X	PD6 FITTING, COUPLER	10 PC	100	1	10	PC	0.47	0.38
PCF6IG-X	PD6 FITTING, COUPLER	10 PC	100	1	10	PC	0.47	0.38
PCF6IW-X	PD6 FITTING, COUPLER	10 PC	100	1	10	PC	0.47	0.38
PCF6WH-X	PD6 FITTING, COUPLER	10 PC	100	1	10	PC	0.47	0.38
PCPA11EI	DATA ONLY POLE, 11'	1 PC		1	10	PC	156.53	126.29
PCPA11IW	DATA ONLY POLE, 11'	1 PC		1	10	PC	156.53	126.29
PCPA11R20EI	DATA/POWER POLE, 2 20-AMP OUTLETS, 11'	1 PC		1	10	PC	174.24	140.58
PCPA11R20IW	DATA/POWER POLE, 2 20-AMP OUTLETS, 11'	1 PC		1	10	PC	174.24	140.58
PCPA13EI	DATA ONLY POLE, 13'	1 PC		1	10	PC	180.21	145.39
PCPA13IW	DATA ONLY POLE, 13'	1 PC		1	10	PC	180.21	145.39
PCPA13R20EI	DATA/POWER POLE, 2 20-AMP OUTLETS, 13'	1 PC		1	10	PC	211.20	170.40
PCPA13R20IW	DATA/POWER POLE, 2 20-AMP OUTLETS, 13'	1 PC		1	10	PC	211.20	170.40
PCPAKR20EI	POWER ADDITION KIT WITH 20A OUTLET	1 PC	10	1	10	PC	19.87	16.03
PCPAKR20IW	POWER ADDITION KIT WITH 20A OUTLET	1 PC	10	1	10	PC	19.87	16.03
PCPAKREI	POWER ADDITION KIT WITHOUT OUTLET	1 PC	10	1	10	PC	13.20	10.65
PCPAKRIW	POWER ADDITION KIT WITHOUT OUTLET	1 PC	10	1	10	PC	13.20	10.65
PD3EI6	POWER RACEWAY, SML, TWO-PIECE, 6'	120 FT		6	120	FT	1.39	1.12
PD3EI6-A	POWER RACEWAY, SML, TWO-PIECE W/ADH, 6'	120 FT		6	120	FT	1.62	1.31
PD3IW6	POWER RACEWAY, SML, TWO-PIECE, 6'	120 FT		6	120	FT	1.39	1.12
PD3IW6-A	POWER RACEWAY, SML, TWO-PIECE W/ADH, 6'	120 FT		6	120	FT	1.62	1.31
PD6EI6	POWER RACEWAY, LRG, TWO-PIECE, 6'	120 FT		6	120	FT	1.62	1.31
PD6EI6-A	POWER RACEWAY, LRG, TWO-PIECE W/ADH, 6'	120 FT		6	120	FT	1.87	1.51
PD6IW6	POWER RACEWAY, LRG, TWO-PIECE, 6'	120 FT		6	120	FT	1.62	1.31
PD6IW6-A	POWER RACEWAY, LRG, TWO-PIECE W/ADH, 6'	120 FT		6	120	FT	1.87	1.51
PDB36	POWER RACEWAY, SML, BASE ONLY, 6'	120 FT		6	120	FT	0.70	0.57
PDB36-A	POWER RACEWAY, SML, BASE ONLY W/ADH, 6'	120 FT		6	120	FT	0.90	0.72
PDB66	POWER RACEWAY, LRG, BASE ONLY, 6'	120 FT		6	120	FT	0.79	0.64
PDB66-A	POWER RACEWAY, LRG, BASE ONLY W/ADH, 6'	120 FT		6	120	FT	1.06	0.85
PDC3EI6	POWER RACEWAY, SML, COVER ONLY, 6'	120 FT		6	120	FT	0.72	0.58
PDC3IW6	POWER RACEWAY, SML, COVER ONLY, 6'	120 FT		6	120	FT	0.72	0.58
PDC6EI6	POWER RACEWAY, LRG, COVER ONLY, 6'	120 FT		6	120	FT	0.81	0.65
PDC6IW6	POWER RACEWAY, LRG, COVER ONLY, 6'	120 FT		6	120	FT	0.81	0.65
PECF3EI-X	PD3 FITTING, END CAP	10 PC	100	1	10	PC	0.62	0.50
PECF3IG-X	PD3 FITTING, END CAP	10 PC	100	1	10	PC	0.62	0.50
PECF3IW-X	PD3 FITTING, END CAP	10 PC	100	1	10	PC	0.62	0.50
PECF3WH-X	PD3 FITTING, END CAP	10 PC	100	1	10	PC	0.62	0.50
PECF6EI-X	PD6 FITTING, END CAP	10 PC	100	1	10	PC	0.69	0.56
PECF6IG-X	PD6 FITTING, END CAP	10 PC	100	1	10	PC	0.69	0.56
PECF6IW-X	PD6 FITTING, END CAP	10 PC	100	1	10	PC	0.69	0.56
PECF6WH-X	PD6 FITTING, END CAP	10 PC	100	1	10	PC	0.69	0.56
PEEF36EI-X	PD3/PD6 FITTING, ENTRANCE END	10 PC	100	1	10	PC	4.46	3.60
PEEF36IG-X	PD3/PD6 FITTING, ENTRANCE END	10 PC	100	1	10	PC	4.46	3.60
PEEF36IW-X	PD3/PD6 FITTING, ENTRANCE END	10 PC	100	1	10	PC	4.46	3.60
PEEF36WH-X	PD3/PD6 FITTING, ENTRANCE END	10 PC	100	1	10	PC	4.46	3.60
PFBC36EI18	PD3/PD6 FITTING, FLEX RACEWAY TO CONDUIT	1 PC	10	1		PC	9.85	
PFCF2X2CL	F.O. COUPLER FTG, POLYCARB, 2"X2", CLR	1 PC	5	1		PC	7.56	
PFCF4X4CL	F.O. COUPLER FTG, POLYCARB, 4"X4", CLR	1 PC	5	1		PC	13.81	
PFF36EI18	PD3/PD6 FITTING, FLEX RACEWAY TO RACEWAY	1 PC	10	1		PC	11.58	
PFFWC2X2CL	F.O. 4-WAY CROSS FTG, POLYCARB 2"X2",CLR	1 PC	5	1		PC	81.76	
PFFWC4X4CL	F.O. 4-WAY CROSS FTG, POLYCARB 4"X4",CLR	1 PC	5	1		PC	113.67	
PFIV452X2CL	F.O. INSIDE VERT 45, POLYCARB 2"X2", CLR	1 PC	5	1		PC	41.55	

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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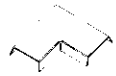
PFIV — Inside Vertical Fitting

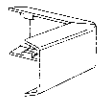
PFOVRA — Outside Right Angle Vertical Fitting

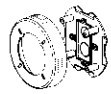
PICF — Inside Corner Fitting


PRAF — Right Angle Fitting

PFRA—Right Angle Fitting

PFVT — Vertical Waterfall Fitting


POCF — Outside Corner Fitting


PRJBX — Round Junction Box

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
PFIV454X4CL	F.O. INSIDE VERT 45, POLYCARB 4"X4", CLR	1 PC	5	1		PC	$ 57.63	$
PFIVRA2X2CL	F.O. INSIDE VERT 90, POLYCARB 2"X2", CLR	1 PC	5	1		PC	63.46	
PFIVRA4X4CL	F.O. INSIDE VERT 90, POLYCARB 4"X4", CLR	1 PC	5	1		PC	83.17	
PFOV452X2CL	F.O. OUTSIDE VERT 45, POLYCARB 2"X2",CLR	1 PC	5	1		PC	41.55	
PFOV454X4CL	F.O. OUTSIDE VERT 45, POLYCARB 4"X4",CLR	1 PC	5	1		PC	60.59	
PFOVRA2X2CL	F.O. OUTSIDE VERT 90, POLYCARB 2"X2",CLR	1 PC	5	1		PC	68.02	
PFOVRA4X4CL	F.O. OUTSIDE VERT 90, POLYCARB 4"X4",CLR	1 PC	5	1		PC	84.30	
PFRA2X2CL	F.O. 90 DEGREE FTG, POLYCARB 2"X2", CLR	1 PC	5	1		PC	80.68	
PFRA4X4CL	F.O. 90 DEGREE FTG, POLYCARB 4"X4", CLR	1 PC	5	1		PC	93.86	
PFRF42CL	F.O. REDUCER, POLYCA 4"X4" TO 2"X2", CLR	1 PC	5	1		PC	38.70	
PFT2X2CL	F.O. TEE FTG, POLYCARB, 2"X2", CLR	1 PC	5	1		PC	93.74	
PFT4X4CL	F.O. TEE FTG, POLYCARB, 4"X4", CLR	1 PC	5	1		PC	97.04	
PFVT2X2CL	F.O. VERT TEE FTG, POLYCARB, 2"X2", CLR	1 PC	5	1		PC	86.88	
PFVT4X4CL	F.O. VERT TEE FTG, POLYCARB, 4"X4", CLR	1 PC	5	1		PC	124.90	
PICF3EI-X	PD3 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
PICF3IG-X	PD3 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
PICF3IW-X	PD3 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
PICF3WH-X	PD3 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
PICF6EI-X	PD6 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
PICF6IG-X	PD6 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
PICF6IW-X	PD6 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
PICF6WH-X	PD6 FITTING, INSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
PL8C2A2-100-2	FLOOR GUARD ADHESIVE TAPE, 1" X 6'	1 RL		1	5	RL	24.08	19.45
PL8C2A2-200-2	FLOOR GUARD ADHESIVE TAPE, 2" X 6'	1 RL		1	5	RL	46.52	37.57
POCF3EI-X	PD3 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
POCF3IG-X	PD3 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
POCF3IW-X	PD3 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
POCF3WH-X	PD3 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.57	1.26
POCF6EI-X	PD6 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
POCF6IG-X	PD6 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
POCF6IW-X	PD6 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
POCF6WH-X	PD6 FITTING, OUTSIDE CORNER	10 PC	100	1	10	PC	1.60	1.29
PRAF3EI-X	PD3 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.64	1.32
PRAF3IG-X	PD3 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.64	1.32
PRAF3IW-X	PD3 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.64	1.32
PRAF3WH-X	PD3 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.64	1.32
PRAF6EI-X	PD6 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.80	1.46
PRAF6IG-X	PD6 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.80	1.46
PRAF6IW-X	PD6 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.80	1.46
PRAF6WH-X	PD6 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.80	1.46
PRJBX36EI	JUNCTION BOX, ROUND POWER RATED	1 PC	5	1	5	PC	10.54	8.51
PRJBX36IG	JUNCTION BOX, ROUND POWER RATED	1 PC	5	1	5	PC	10.54	8.51
PRJBX36IW	JUNCTION BOX, ROUND POWER RATED	1 PC	5	1	5	PC	10.54	8.51
PRJBX36WH	JUNCTION BOX, ROUND POWER RATED	1 PC	5	1	5	PC	10.54	8.51
PSJBXEI	JUNCTION BOX, POWER SOURCE	1 PC	10	1	5	PC	7.94	6.40
PSJBXIG	JUNCTION BOX, POWER SOURCE	1 PC	10	1	5	PC	7.94	6.40
PSJBXIW	JUNCTION BOX, POWER SOURCE	1 PC	10	1	5	PC	7.94	6.40
PSJBXWH	JUNCTION BOX, POWER SOURCE	1 PC	10	1	5	PC	7.94	6.40
PTF3EI-X	PD3 FITTING, TEE	10 PC	100	1	10	PC	2.17	1.75
PTF3IG-X	PD3 FITTING, TEE	10 PC	100	1	10	PC	2.17	1.75
PTF3IW-X	PD3 FITTING, TEE	10 PC	100	1	10	PC	2.17	1.75
PTF3WH-X	PD3 FITTING, TEE	10 PC	100	1	10	PC	2.17	1.75
PTF6EI-X	PD6 FITTING, TEE	10 PC	100	1	10	PC	2.28	1.84
PTF6IG-X	PD6 FITTING, TEE	10 PC	100	1	10	PC	2.28	1.84
PTF6IW-X	PD6 FITTING, TEE	10 PC	100	1	10	PC	2.28	1.84

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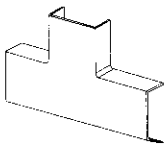
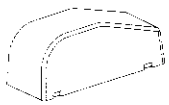
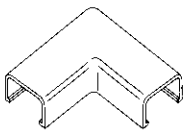


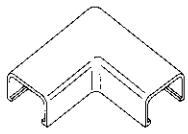
PTF — Tee Fitting



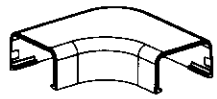
RAEF — Right Angle Entrance End Fitting



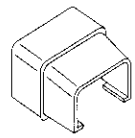
RAF — Right Angle Fitting



RAF — Right Angle Fitting



RAFC — Right Angle Fitting



RF — Reducer Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
PTF6WH-X	PD6 FITTING, TEE	10 PC	100	1	10	PC	$ 2.28	$ 1.84
PWR6-X	PD6 WIRE RETAINER	10 PC	100	1	10	PC	0.36	0.29
RAEFXEI-X	LD/LDP FITTING, BRC RT ANG ENTRANCE	10 PC	100	1	10	PC	5.63	4.54
RAEFXIG-X	LD/LDP FITTING, BRC RT ANG ENTRANCE	10 PC	100	1	10	PC	5.63	4.54
RAEFXIW-X	LD/LDP FITTING, BRC RT ANG ENTRANCE	10 PC	100	1	10	PC	5.63	4.54
RAEFXWH-X	LD/LDP FITTING, BRC RT ANG ENTRANCE	10 PC	100	1	10	PC	5.63	4.54
RAF3EI-E	LD/LDP3 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.34	1.08
RAF3IG-E	LD/LDP3 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.34	1.08
RAF3IW-E	LD/LDP3 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.34	1.08
RAF3WH-E	LD/LDP3 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.34	1.08
RAF5EI-E	LD/LDP5 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.43	1.15
RAF5IG-E	LD/LDP5 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.43	1.15
RAF5IW-E	LD/LDP5 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.43	1.15
RAF5WH-E	LD/LDP5 FITTING, RIGHT ANGLE	20 PC	100	1	20	PC	1.43	1.15
RAF10EI-X	LD/LDP10 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.55	1.25
RAF10IG-X	LD/LDP10 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.55	1.25
RAF10IW-X	LD/LDP10 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.55	1.25
RAF10WH-X	LD/LDP10 FITTING, RIGHT ANGLE	10 PC	100	1	10	PC	1.55	1.25
RAFC3EI-X	LD/LDP3 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.60	1.29
RAFC3IG-X	LD/LDP3 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.60	1.29
RAFC3IW-X	LD/LDP3 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.60	1.29
RAFC3WH-X	LD/LDP3 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.60	1.29
RAFC5EI-X	LD/LDP5 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.71	1.38
RAFC5IG-X	LD/LDP5 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.71	1.38
RAFC5IW-X	LD/LDP5 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.71	1.38
RAFC5WH-X	LD/LDP5 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.71	1.38
RAFC10EI-X	LD/LDP10 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.87	1.51
RAFC10IG-X	LD/LDP10 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.87	1.51
RAFC10IW-X	LD/LDP10 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.87	1.51
RAFC10WH-X	LD/LDP10 FITTING, BRC RIGHT ANGLE	10 PC	100	1	10	PC	1.87	1.51
RAFX3EI-X	LDP3 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.41	1.95
RAFX3IG-X	LDP3 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.41	1.95
RAFX3IW-X	LDP3 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.41	1.95
RAFX3WH-X	LDP3 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.41	1.95
RAFX5EI-X	LDP5 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.57	2.07
RAFX5IG-X	LDP5 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.57	2.07
RAFX5IW-X	LDP5 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.57	2.07
RAFX5WH-X	LDP5 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.57	2.07
RAFX10EI-X	LDP10 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.80	2.26
RAFX10IG-X	LDP10 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.80	2.26
RAFX10IW-X	LDP10 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.80	2.26
RAFX10WH-X	LDP10 FITTING, BRC RIGHT ANGLE, POWER RATED	10 PC	100	1	10	PC	2.80	2.26
RF5X3EI-E	REDUCER FITTING, LD5 TO LD3	20 PC	100	1	20	PC	1.46	1.18
RF5X3IG-E	REDUCER FITTING, LD5 TO LD3	20 PC	100	1	20	PC	1.46	1.18
RF5X3IW-E	REDUCER FITTING, LD5 TO LD3	20 PC	100	1	20	PC	1.46	1.18
RF5X3WH-E	REDUCER FITTING, LD5 TO LD3	20 PC	100	1	20	PC	1.46	1.18
RF10X3EI-X	REDUCER FITTING, LD10 TO LD3	10 PC	100	1	10	PC	1.55	1.25
RF10X3IG-X	REDUCER FITTING, LD10 TO LD3	10 PC	100	1	10	PC	1.55	1.25
RF10X3IW-X	REDUCER FITTING, LD10 TO LD3	10 PC	100	1	10	PC	1.55	1.25
RF10X3WH-X	REDUCER FITTING, LD10 TO LD3	10 PC	100	1	10	PC	1.55	1.25
RF10X5EI-X	REDUCER FITTING, LD10 TO LD5	10 PC	100	1	10	PC	1.55	1.25
RF10X5IG-X	REDUCER FITTING, LD10 TO LD5	10 PC	100	1	10	PC	1.55	1.25
RF10X5IW-X	REDUCER FITTING, LD10 TO LD5	10 PC	100	1	10	PC	1.55	1.25
RF10X5WH-X	REDUCER FITTING, LD10 TO LD5	10 PC	100	1	10	PC	1.55	1.25
RFX53EI-X	REDUCER FITTING, LDP5 TO LDP3	10 PC	100	1	10	PC	1.57	1.26

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UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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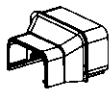
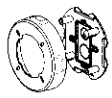
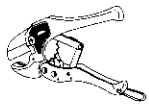
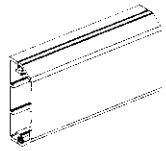
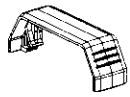
Effective Date: March 23, 2001

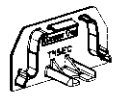

RFX — Reducer Fitting

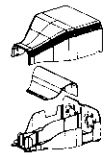

RJBX — Round Junction Box


SRT — Surface Raceway Cutting Tool


T-45 Base and Cover

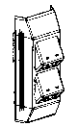

T45CC— Cover Coupler


T45EC— End Cap

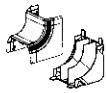

T45EE — Entrance End

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
RFX53IG-X	REDUCER FITTING, LDP5 TO LDP3	10 PC	100	1	10	PC	$ 1.57	$ 1.26
RFX53IW-X	REDUCER FITTING, LDP5 TO LDP3	10 PC	100	1	10	PC	1.57	1.26
RFX53WH-X	REDUCER FITTING, LDP5 TO LDP3	10 PC	100	1	10	PC	1.57	1.26
RFX103EI-X	REDUCER FITTING, LDP10 TO LDP3	10 PC	100	1	10	PC	1.65	1.33
RFX103IG-X	REDUCER FITTING, LDP10 TO LDP3	10 PC	100	1	10	PC	1.65	1.33
RFX103IW-X	REDUCER FITTING, LDP10 TO LDP3	10 PC	100	1	10	PC	1.65	1.33
RFX103WH-X	REDUCER FITTING, LDP10 TO LDP3	10 PC	100	1	10	PC	1.65	1.33
RFX105EI-X	REDUCER FITTING, LDP10 TO LDP5	10 PC	100	1	10	PC	1.65	1.33
RFX105IG-X	REDUCER FITTING, LDP10 TO LDP5	10 PC	100	1	10	PC	1.65	1.33
RFX105IW-X	REDUCER FITTING, LDP10 TO LDP5	10 PC	100	1	10	PC	1.65	1.33
RFX105WH-X	REDUCER FITTING, LDP10 TO LDP5	10 PC	100	1	10	PC	1.65	1.33
RJBX3510EI	JUNCTION BOX, ROUND	1 PC	5	1	5	PC	9.89	7.98
RJBX3510IG	JUNCTION BOX, ROUND	1 PC	5	1	5	PC	9.89	7.98
RJBX3510IW	JUNCTION BOX, ROUND	1 PC	5	1	5	PC	9.89	7.98
RJBX3510WH	JUNCTION BOX, ROUND	1 PC	5	1	5	PC	9.89	7.98
SRT	SURFACE RACEWAY CUTTING TOOL	1 PC	10	1	5	PC	109.93	88.79
T3WR-C	T3 WIRE RETAINER	100 PC	500	1	100	PC	1.06	0.85
T45BEI8	T45 POWER/DATA RACEWAY BASE, 8'	160 FT		8	48	FT	2.69	2.18
T45BEI8-A	T45 POWER/DATA RACEWAY BASE, 8' W/ADH	160 FT		8	48	FT	2.91	2.35
T45BEI10	T45 POWER/DATA RACEWAY BASE, 10'	200 FT		10	60	FT	2.69	2.18
T45BEI10-A	T45 POWER/DATA RACEWAY BASE, 10' W/ADH	200 FT		10	60	FT	2.91	2.35
T45BIG8	T45 POWER/DATA RACEWAY BASE, 8'	160 FT		8	48	FT	2.69	2.18
T45BIG8-A	T45 POWER/DATA RACEWAY BASE, 8' W/ADH	160 FT		8	48	FT	2.91	2.35
T45BIG10	T45 POWER/DATA RACEWAY BASE, 10'	200 FT		10	60	FT	2.69	2.18
T45BIG10-A	T45 POWER/DATA RACEWAY BASE, 10' W/ADH	200 FT		10	60	FT	2.91	2.35
T45BIW8	T45 POWER/DATA RACEWAY BASE, 8'	160 FT		8	96	FT	2.69	2.18
T45BIW8-A	T45 POWER/DATA RACEWAY BASE, 8' W/ADH	160 FT		8	48	FT	2.91	2.35
T45BIW10	T45 POWER/DATA RACEWAY BASE, 10'	200 FT		10	60	FT	2.69	2.18
T45BIW10-A	T45 POWER/DATA RACEWAY BASE, 10' W/ADH	200 FT		10	60	FT	2.91	2.35
T45BWH8	T45 POWER/DATA RACEWAY BASE, 8'	160 FT		8	48	FT	2.69	2.18
T45BWH8-A	T45 POWER/DATA RACEWAY BASE, 8' W/ADH	160 FT		8	48	FT	2.91	2.35
T45BWH10	T45 POWER/DATA RACEWAY BASE, 10'	200 FT		10	60	FT	2.69	2.18
T45BWH10-A	T45 POWER/DATA RACEWAY BASE, 10' W/ADH	200 FT		10	60	FT	2.91	2.35
T45CCEI-X	T45 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.53	1.24
T45CCIG-X	T45 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.53	1.24
T45CCIW-X	T45 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.53	1.24
T45CCWH-X	T45 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.53	1.24
T45CEI8	T45 POWER/DATA RACEWAY COVER, 8'	160 FT		8	96	FT	1.31	1.06
T45CEI10	T45 POWER/DATA RACEWAY COVER, 10'	200 FT		10	120	FT	1.31	1.06
T45CIG8	T45 POWER/DATA RACEWAY COVER, 8'	160 FT		8	96	FT	1.31	1.06
T45CIG10	T45 POWER/DATA RACEWAY COVER, 10'	200 FT		10	120	FT	1.31	1.06
T45CIW8	T45 POWER/DATA RACEWAY COVER, 8'	160 FT		8	96	FT	1.31	1.06
T45CIW10	T45 POWER/DATA RACEWAY COVER, 10'	200 FT		10	120	FT	1.31	1.06
T45CWH8	T45 POWER/DATA RACEWAY COVER, 8'	160 FT		8	96	FT	1.31	1.06
T45CWH10	T45 POWER/DATA RACEWAY COVER, 10'	200 FT		10	120	FT	1.31	1.06
T45DW8	T45 DIVIDER WALL, 8'	160 FT		8	96	FT	0.87	0.71
T45DW10	T45 DIVIDER WALL, 10'	200 FT		10	120	FT	0.87	0.71
T45ECEI	T45 FITTING, END CAP	1 PC	10	1	10	PC	2.78	2.24
T45ECIG	T45 FITTING, END CAP	1 PC	10	1	10	PC	2.78	2.24
T45ECIW	T45 FITTING, END CAP	1 PC	10	1	10	PC	2.78	2.24
T45ECWH	T45 FITTING, END CAP	1 PC	10	1	10	PC	2.78	2.24
T45EEEI	T45 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	12.95	10.45
T45EEIG	T45 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	12.95	10.45
T45EEIW	T45 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	12.95	10.45
T45EEWH	T45 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	12.95	10.45

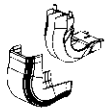
Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



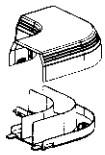
T45HDB — Hinged Data Bracket



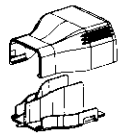
T45IC — Inside Corner



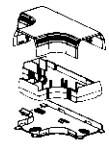
T45OC— Outside Corner



T45RA — Right Angle



T45RLD — Reducer



T45T — Tee

T70BC — Base Coupler Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
T45HDBEI	T45 FITTING, HINGED DATA BRACKET	1 PC	10	1	10	PC	$ 5.39	$ 4.35
T45HDBIG	T45 FITTING, HINGED DATA BRACKET	1 PC	10	1	10	PC	5.39	4.35
T45HDBIW	T45 FITTING, HINGED DATA BRACKET	1 PC	10	1	10	PC	5.39	4.35
T45HDBWH	T45 FITTING, HINGED DATA BRACKET	1 PC	10	1	10	PC	5.39	4.35
T45ICEI	T45 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45ICIG	T45 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45ICIW	T45 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45ICWH	T45 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45OCEI	T45 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45OCIG	T45 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45OCIW	T45 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45OCWH	T45 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	6.60	5.33
T45RAEI	T45 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	6.60	5.33
T45RAIG	T45 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	6.60	5.33
T45RAIW	T45 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	6.60	5.33
T45RAWH	T45 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	6.60	5.33
T45RLDEI	T45 FITTING, IN-LINE REDUCER	1 PC	10	1	10	PC	7.90	6.38
T45RLDIG	T45 FITTING, IN-LINE REDUCER	1 PC	10	1	10	PC	7.90	6.38
T45RLDIW	T45 FITTING, IN-LINE REDUCER	1 PC	10	1	10	PC	7.90	6.38
T45RLDWH	T45 FITTING, IN-LINE REDUCER	1 PC	10	1	10	PC	7.90	6.38
T45TD	T45 FITTING, DIVIDER INSERT	1 PC	10	1	10	PC	2.16	1.75
T45TEI	T45 FITTING, TEE	1 PC	10	1	10	PC	7.90	6.38
T45TIG	T45 FITTING, TEE	1 PC	10	1	10	PC	7.90	6.38
T45TIW	T45 FITTING, TEE	1 PC	10	1	10	PC	7.90	6.38
T45TRI	T70 FITTING, TRANSITION TO T45	1 PC	10	1	10	PC	6.28	5.07
T45TWH	T45 FITTING, TEE	1 PC	10	1	10	PC	7.90	6.38
T45WC2EI	T45 WORK STATION OUTLET	1 PC	10	1	10	PC	12.95	10.45
T45WC2IG	T45 WORK STATION OUTLET	1 PC	10	1	10	PC	12.95	10.45
T45WC2IW	T45 WORK STATION OUTLET	1 PC	10	1	10	PC	12.95	10.45
T45WC2WH	T45 WORK STATION OUTLET	1 PC	10	1	10	PC	12.95	10.45
T45WCEI	T45 WORK STATION OUTLET, FOR SNAP-ON FACEPLATE	1 PC	10	1	10	PC	12.95	10.45
T45WCIG	T45 WORK STATION OUTLET, FOR SNAP-ON FACEPLATE	1 PC	10	1	10	PC	12.95	10.45
T45WCIW	T45 WORK STATION OUTLET, FOR SNAP-ON FACEPLATE	1 PC	10	1	10	PC	12.95	10.45
T45WCWH	T45 WORK STATION OUTLET, FOR SNAP-ON FACEPLATE	1 PC	10	1	10	PC	12.95	10.45
T45WR-X	T45 WIRE RETAINER	10 PC	100	1	10	PC	0.53	0.43
T70B1EI	70MM SNAP-ON FACEPLATE, VERTICAL, 1 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70B1IG	70MM SNAP-ON FACEPLATE, VERTICAL, 1 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70B1IW	70MM SNAP-ON FACEPLATE, VERTICAL, 1 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70B1WH	70MM SNAP-ON FACEPLATE, VERTICAL, 1 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70B2EI	70MM SNAP-ON FACEPLATE, VERTICAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70B2IG	70MM SNAP-ON FACEPLATE, VERTICAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70B2IW	70MM SNAP-ON FACEPLATE, VERTICAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70B2TEI	70MM SNAP ON VERTICAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70B2TIG	70MM SNAP ON VERTICAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70B2TIW	70MM SNAP ON VERTICAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70B2TWH	70MM SNAP ON VERTICAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70B2WH	70MM SNAP-ON FACEPLATE, VERTICAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70BCEI-X	T70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	5.17	4.17
T70BCIG-X	T70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	5.17	4.17
T70BCIW-X	T70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	5.17	4.17
T70BCWH-X	T70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	5.17	4.17
T70BEI6	POWER/DATA RACEWAY BASE, 6'	60 FT		6	60	FT	4.26	3.44
T70BEI8	POWER/DATA RACEWAY BASE, 8'	48 FT		8	48	FT	4.40	3.56
T70BEI10	POWER/DATA RACEWAY BASE, 10'	60 FT		10	60	FT	4.40	3.56
T70BH1EI	70MM SNAP-ON FACEPLATE, HORIZONTAL, 1 INSERT	1 PC	10	1	10	PC	4.63	3.73

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
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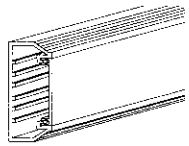
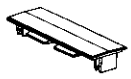


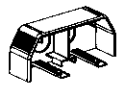
T70 Base and Cover



T70CC — Cover Coupler

T70D Divider Wall

T70EE —Entrance End Fitting



T70EC — End Cap Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
T70BH1IG	70MM SNAP-ON FACEPLATE, HORIZONTAL, 1 INSERT	1 PC	10	1	10	PC	$ 4.63	$ 3.73
T70BH1IW	70MM SNAP-ON FACEPLATE, HORIZONTAL, 1 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70BH1WH	70MM SNAP-ON FACEPLATE, HORIZONTAL, 1 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70BH2EI	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70BH2IG	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70BH2IW	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70BH2TEI	70MM SNAP-ON FACEPLATE, HORIZONTAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70BH2TIG	70MM SNAP-ON FACEPLATE, HORIZONTAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70BH2TIW	70MM SNAP-ON FACEPLATE, HORIZONTAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70BH2TWH	70MM SNAP-ON FACEPLATE, HORIZONTAL BEZEL	1 PC	10	1	10	PC	4.63	3.73
T70BH2WH	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 INSERT	1 PC	10	1	10	PC	4.63	3.73
T70BIG6	POWER/DATA RACEWAY BASE, 6'	60 FT		6	60	FT	4.26	3.44
T70BIG8	POWER/DATA RACEWAY BASE, 8'	48 FT		8	48	FT	4.40	3.56
T70BIG10	POWER/DATA RACEWAY BASE, 10'	60 FT		10	60	FT	4.40	3.56
T70BIW6	POWER/DATA RACEWAY BASE, 6'	60 FT		6	60	FT	4.26	3.44
T70BIW8	POWER/DATA RACEWAY BASE, 8'	48 FT		8	48	FT	4.40	3.56
T70BIW10	POWER/DATA RACEWAY BASE, 10'	60 FT		10	60	FT	4.40	3.56
T70BL2EI	70MM SNAP 0N BEZEL	1 PC	10	1	10	PC	4.49	3.62
T70BL2IG	70MM SNAP 0N BEZEL	1 PC	10	1	10	PC	4.49	3.62
T70BL2IW	70MM SNAP 0N BEZEL	1 PC	10	1	10	PC	4.49	3.62
T70BL2WH	70MM SNAP 0N BEZEL	1 PC	10	1	10	PC	4.49	3.62
T70BWH6	POWER/DATA RACEWAY BASE, 6'	60 FT		6	60	FT	4.26	3.44
T70BWH8	POWER/DATA RACEWAY BASE, 8'	48 FT		8	48	FT	4.40	3.56
T70BWH10	POWER/DATA RACEWAY BASE, 10'	60 FT		10	60	FT	4.40	3.56
T70CCEI-X	T70 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.50	2.02
T70CCIG-X	T70 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.50	2.02
T70CCIW-X	T70 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.50	2.02
T70CCWH-X	T70 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.50	2.02
T70CEI6	POWER/DATA RACEWAY COVER, 6'	120 FT		6	120	FT	2.13	1.72
T70CEI8	POWER/DATA RACEWAY COVER, 8'	96 FT		8	96	FT	2.20	1.78
T70CEI10	POWER/DATA RACEWAY COVER, 10'	120 FT		10	120	FT	2.20	1.78
T70CIG6	POWER/DATA RACEWAY COVER, 6'	120 FT		6	120	FT	2.13	1.72
T70CIG8	POWER/DATA RACEWAY COVER, 8'	96 FT		8	96	FT	2.20	1.78
T70CIG10	POWER/DATA RACEWAY COVER, 10'	120 FT		10	120	FT	2.20	1.78
T70CIW6	POWER/DATA RACEWAY COVER, 6'	120 FT		6	120	FT	2.13	1.72
T70CIW8	POWER/DATA RACEWAY COVER, 8'	96 FT		8	96	FT	2.20	1.78
T70CIW10	POWER/DATA RACEWAY COVER, 10'	120 FT		10	120	FT	2.20	1.78
T70CWH6	POWER/DATA RACEWAY COVER, 6'	120 FT		6	120	FT	2.13	1.72
T70CWH8	POWER/DATA RACEWAY COVER, 8'	96 FT		8	96	FT	2.20	1.78
T70CWH10	POWER/DATA RACEWAY COVER, 10'	120 FT		10	120	FT	2.20	1.78
T70DB-X	T70 DEVICE BRACKET	10 PC	100	1	10	PC	3.50	2.83
T70DW6	T70 DIVIDER WALL, 6'	120 FT		6	120	FT	1.39	1.12
T70DW8	T70 DIVIDER WALL, 8'	96 FT		8	96	FT	1.44	1.16
T70DW10	T70 DIVIDER WALL, 10'	120 FT		10	120	FT	1.44	1.16
T70ECEI	T70 FITTING, END CAP	1 PC	10	1	10	PC	5.09	4.10
T70ECIG	T70 FITTING, END CAP	1 PC	10	1	10	PC	5.09	4.10
T70ECIW	T70 FITTING, END CAP	1 PC	10	1	10	PC	5.09	4.10
T70ECWH	T70 FITTING, END CAP	1 PC	10	1	10	PC	5.09	4.10
T70EEEI	T70 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	22.19	17.91
T70EEIG	T70 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	22.19	17.91
T70EEIW	T70 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	22.19	17.91
T70EEWH	T70 FITTING, BRC ENTRANCE END	1 PC	10	1	10	PC	22.19	17.91
T70FH2EI	70MM SNAP-ON SLOPED FP, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FH2IG	70MM SNAP-ON SLOPED FP, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FH2IW	70MM SNAP-ON SLOPED FP, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	5.26	4.25

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.

T70P — Duplex Faceplate

T70IC — Inside Corner Fitting

T70PC — Pre-Cut Cover

T70OC — Outside Corner Fitting

T70PG — Rectangular Faceplate

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
T70FH2WH	70MM SNAP-ON SLOPED FP, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	$ 5.26	$ 4.25
T70FH4EI	70MM SNAP-ON SLOPED FP, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FH4IG	70MM SNAP-ON SLOPED FP, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FH4IW	70MM SNAP-ON SLOPED FP, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FH4WH	70MM SNAP-ON SLOPED FP, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FSB	T70 FIBER SPOOL BRACKET	1 PC	10	1	10	PC	8.45	6.82
T70FV2EI	70MM SNAP-ON SLOPED FP, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FV2IG	70MM SNAP-ON SLOPED FP, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FV2IW	70MM SNAP-ON SLOPED FP, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FV2WH	70MM SNAP-ON SLOPED FP, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FV4EI	70MM SNAP-ON SLOPED FP, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FV4IG	70MM SNAP-ON SLOPED FP, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FV4IW	70MM SNAP-ON SLOPED FP, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70FV4WH	70MM SNAP-ON SLOPED FP, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.26	4.25
T70HB-X	T70 HANGING BOX	10 PC	100	1	10	PC	5.54	4.47
T70HB3-X	T70 HANGING BOX, 3-SIDED	10 PC	100	1	10	PC	6.09	4.91
T70ICEI	T70 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70ICIG	T70 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70ICIW	T70 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70ICWH	T70 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70L2EI	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	6.07	4.90
T70L2IG	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	6.07	4.90
T70L2IW	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	6.07	4.90
T70L2WH	70MM SNAP-ON FACEPLATE, HORIZONTAL, 2 PORT	1 PC	10	1	10	PC	6.07	4.90
T70L4EI	70MM SNAP-ON FACEPLATE, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	6.07	4.90
T70L4IG	70MM SNAP-ON FACEPLATE, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	6.07	4.90
T70L4IW	70MM SNAP-ON FACEPLATE, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	6.07	4.90
T70L4WH	70MM SNAP-ON FACEPLATE, HORIZONTAL, 4 PORT	1 PC	10	1	10	PC	6.07	4.90
T70LV2EI	70MM SNAP-ON FACEPLATE, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.95	4.80
T70LV2IG	70MM SNAP-ON FACEPLATE, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.95	4.80
T70LV2IW	70MM SNAP-ON FACEPLATE, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.95	4.80
T70LV2WH	70MM SNAP-ON FACEPLATE, VERTICAL, 2 PORT	1 PC	10	1	10	PC	5.95	4.80
T70LV4EI	70MM SNAP-ON FACEPLATE, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.95	4.80
T70LV4IG	70MM SNAP-ON FACEPLATE, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.95	4.80
T70LV4IW	70MM SNAP-ON FACEPLATE, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.95	4.80
T70LV4WH	70MM SNAP-ON FACEPLATE, VERTICAL, 4 PORT	1 PC	10	1	10	PC	5.95	4.80
T70OCEI	T70 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70OCIG	T70 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70OCIW	T70 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70OCWH	T70 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	13.13	10.59
T70PCEI	T70 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	10	PC	4.70	3.79
T70PCIG	T70 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	10	PC	4.70	3.79
T70PCIW	T70 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	10	PC	4.70	3.79
T70PCWH	T70 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	10	PC	4.70	3.79
T70PEI	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	4.63	3.73
T70PGEI	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	4.63	3.73
T70PGIG	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	4.63	3.73
T70PGIW	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	4.63	3.73
T70PGSEI	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	5.24	4.23
T70PGSIG	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	5.24	4.23
T70PGSIW	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	5.24	4.23
T70PGSWH	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	5.24	4.23
T70PGWH	70MM SNAP-ON FACEPLATE, RECTANGULAR ELEC	1 PC	10	1	10	PC	4.63	3.73
T70PIG	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	4.63	3.73
T70PIW	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	4.63	3.73

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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Effective Date: March 23, 2001

T70RA — Right Angle Fitting

T70TD — Tee Divider Insert

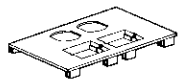
T70TT — Tee Fitting

T70TR — Transition Fitting

T70WC — WORKSTATION OUTLET CENTER for NEMA Std. Faceplate

T70WC2 — WORKSTATION OUTLET CENTER for Snap-On Faceplate

T130G — Pre-Cut Cover for US Standard Faceplate



T130CDMC — 106 Duplex Electrical Outlets & Communications Faceplate

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
T70PSEI	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	$ 5.24	$ 4.23
T70PSIG	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	5.24	4.23
T70PSIW	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	5.24	4.23
T70PSWH	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	5.24	4.23
T70PWH	70MM SNAP-ON FACEPLATE, DUPLEX ELEC	1 PC	10	1	10	PC	4.63	3.73
T70RAEI	T70 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	20.35	16.42
T70RAIG	T70 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	20.35	16.42
T70RAIW	T70 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	20.35	16.42
T70RAWH	T70 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	20.35	16.42
T70S-X	T70 SURFACE MOUNT BOX SPACER PLATE	10 PC	100	1	10	PC	3.24	2.61
T70SDB-X	T70 FACEPLATE BRACKET	10 PC	100	1	10	PC	3.43	2.77
T70TDB	T70 FITTING, TEE DIVIDER INSERT, BOTTOM	1 PC	10	1	10	FT	3.61	2.91
T70TDC	T70 FITTING, TEE DIVIDER INSERT, CENTER	1 PC	10	1	10	PC	3.61	2.91
T70TDT	T70 FITTING, TEE DIVIDER INSERT, TOP	1 PC	10	1	10	PC	3.61	2.91
T70TEI	T70 FITTING, BRC TEE BASE & COVER	1 PC	10	1	10	PC	22.19	17.91
T70TIG	T70 FITTING, BRC TEE BASE & COVER	1 PC	10	1	10	PC	22.19	17.91
T70TIW	T70 FITTING, BRC TEE BASE & COVER	1 PC	10	1	10	PC	22.19	17.91
T70TRCEI	T70 FITTING, TRANS TO LD, COVER ONLY	1 PC	10	1	10	PC	15.07	12.16
T70TRCIG	T70 FITTING, TRANS TO LD, COVER ONLY	1 PC	10	1	10	PC	15.07	12.16
T70TRCIW	T70 FITTING, TRANS TO LD, COVER ONLY	1 PC	10	1	10	PC	15.07	12.16
T70TRCWH	T70 FITTING, TRANS TO LD, COVER ONLY	1 PC	10	1	10	PC	15.07	12.16
T70TREI	T70 FITTING, TRANS TO LD, BASE & COVER	1 PC	10	1	10	PC	17.64	14.23
T70TRI	T70 FITTING, DIVIDED INSERT, TRANS TO LD2P	1 PC	10	1	10	PC	6.28	5.07
T70TRIG	T70 FITTING, TRANS TO LD, BASE & COVER	1 PC	10	1	10	PC	17.64	14.23
T70TRIW	T70 FITTING, TRANS TO LD, BASE & COVER	1 PC	10	1	10	PC	17.64	14.23
T70TRWH	T70 FITTING, TRANS TO LD, BASE & COVER	1 PC	10	1	10	PC	17.64	14.23
T70TWH	T70 FITTING, BRC TEE BASE & COVER	1 PC	10	1	10	PC	22.19	17.91
T70WC2EI	T70 WORKSTATION CENTER, SNAP-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WC2IG	T70 WORKSTATION CENTER, SNAP-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WC2IW	T70 WORKSTATION CENTER, SNAP-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WC2WH	T70 WORKSTATION CENTER, SNAP-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WCEI	T70 WORKSTATION CENTER, SCREW-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WCIG	T70 WORKSTATION CENTER, SCREW-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WCIW	T70 WORKSTATION CENTER, SCREW-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WCWH	T70 WORKSTATION CENTER, SCREW-ON FP	1 PC	10	1	10	PC	16.46	13.28
T70WR-X	T70 WIRE RETAINER	10 PC	100	1	10	PC	1.58	1.28
T130CDMCEI	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130CDMCIG	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130CDMCIW	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130CDMCWH	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130CRMCEI	T130 MOLDED SNAP-ON CVR, RECTANG ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130CRMCIG	T130 MOLDED SNAP-ON CVR, RECTANG ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130CRMCIW	T130 MOLDED SNAP-ON CVR, RECTANG ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130CRMCWH	T130 MOLDED SNAP-ON CVR, RECTANG ELEC & BEZEL	1 PC	10	1		PC	3.24	
T130DB-X	T130 HANGING DEVICE BRACKET	10 PC	100	1	10	PC	6.20	5.00
T130DBD-X	T130 HANGING, 2 GANG DEVICE BRACKET	10 PC	100	1	10	PC	6.02	4.86
T130DBV	T130 VERTICAL DEVICE BRACKET	1 PC	10	1	10	PC	7.99	6.45
T130DMC2EI	T130 MOLDED SNAP-ON CVR, 2 GANG DUPLEX ELEC	1 PC	10	1		PC	3.24	
T130DMC2IG	T130 MOLDED SNAP-ON CVR, 2 GANG DUPLEX ELEC	1 PC	10	1		PC	3.24	
T130DMC2IW	T130 MOLDED SNAP-ON CVR, 2 GANG DUPLEX ELEC	1 PC	10	1		PC	3.24	
T130DMC2WH	T130 MOLDED SNAP-ON CVR, 2 GANG DUPLEX ELEC	1 PC	10	1		PC	3.24	
T130DMCEI	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC	1 PC	10	1		PC	3.24	
T130DMCIG	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC	1 PC	10	1		PC	3.24	
T130DMCIW	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC	1 PC	10	1		PC	3.24	
T130DMCWH	T130 MOLDED SNAP-ON COV, DUPLEX ELEC	1 PC	10	1		PC	3.24	

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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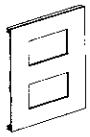
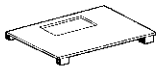
PANDUIT® Raceway Systems



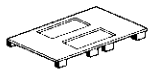
T130K — Pre-Cut Cover for Modular Furniture Faceplate



T130RMC — Rectangular Electrical Device Faceplate

T130LMC — Twist-Lock Electrical Device Faceplate

T130TDMC — 106 Duplex Electrical Outlets & Modular Furniture Faceplate



T130TRMC — Rectangular Electrical Outlets & Modular Furniture Faceplate

T170G — Pre-Cut Cover for Standard US Faceplate

T170K1 — Pre-Cut Cover for Modular Furniture Faceplate

T170K2 — Pre-Cut Cover for Modular Furniture Faceplate

T170K3 — Pre-Cut Cover for Modular Furniture Faceplate

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
T130GEI	T130 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	$ 5.19	$ 4.19
T130GIG	T130 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	5.19	4.19
T130GIW	T130 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	5.19	4.19
T130GWH	T130 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	5.19	4.19
T130K1EI	T130 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.19	4.19
T130K1IG	T130 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.19	4.19
T130K1IW	T130 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.19	4.19
T130K1WH	T130 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.19	4.19
T130K2EI	T130 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	5.90	4.76
T130K2IG	T130 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	5.90	4.76
T130K2IW	T130 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	5.90	4.76
T130K2WH	T130 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	5.90	4.76
T130LMCEI	T130 MOLDED SNAP-ON CVR, TWIST LOCK ELEC	1 PC	10	1		PC	3.24	
T130LMCIG	T130 MOLDED SNAP-ON CVR, TWIST LOCK ELEC	1 PC	10	1		PC	3.24	
T130LMCIW	T130 MOLDED SNAP-ON CVR, TWIST LOCK ELEC	1 PC	10	1		PC	3.24	
T130LMCWH	T130 MOLDED SNAP-ON CVR, TWIST LOCK ELEC	1 PC	10	1		PC	3.24	
T130RMC2EI	T130 MOLDED SNAP-ON CVR, 2 GANG RECT ELEC	1 PC	10	1		PC	3.24	
T130RMC2IG	T130 MOLDED SNAP-ON CVR, 2 GANG RECT ELEC	1 PC	10	1		PC	3.24	
T130RMC2IW	T130 MOLDED SNAP-ON CVR, 2 GANG RECT ELEC	1 PC	10	1		PC	3.24	
T130RMC2WH	T130 MOLDED SNAP-ON CVR, 2 GANG RECT ELEC	1 PC	10	1		PC	3.24	
T130RMCEI	T130 MOLDED SNAP-ON CVR, RECT ELEC	1 PC	10	1		PC	3.24	
T130RMCIG	T130 MOLDED SNAP-ON CVR, RECT ELEC	1 PC	10	1		PC	3.24	
T130RMCIW	T130 MOLDED SNAP-ON CVR, RECT ELEC	1 PC	10	1		PC	3.24	
T130RMCWH	T130 MOLDED SNAP-ON CVR, RECTA ELEC	1 PC	10	1		PC	3.24	
T130TD	T130 FITTING, DIVIDED TEE INSERT	1 PC	10	1	10	PC	4.54	3.66
T130TDMCEI	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & SNAP-IN	1 PC	10	1		PC	3.24	
T130TDMCIG	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & SNAP-IN	1 PC	10	1		PC	3.24	
T130TDMCIW	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & SNAP-IN	1 PC	10	1		PC	3.24	
T130TDMCWH	T130 MOLDED SNAP-ON CVR, DUPLEX ELEC & SNAP-IN	1 PC	10	1		PC	3.24	
T130TMCEI	T130 MOLDED SNAP-ON CVR, 1 SNAP-IN FACEPLATE	1 PC	10	1		PC	3.24	
T130TMCIG	T130 MOLDED SNAP-ON CVR, 1 SNAP-IN FACEPLATE	1 PC	10	1		PC	3.24	
T130TMCIW	T130 MOLDED SNAP-ON CVR, 1 SNAP-IN FACEPLATE	1 PC	10	1		PC	3.24	
T130TMCWH	T130 MOLDED SNAP-ON CVR, 1 SNAP-IN FACEPLATE	1 PC	10	1		PC	3.24	
T130TRMCEI	T130 MOLDED SNAP-ON CVR, 2 SNAP-IN FACEPLATES	1 PC	10	1		PC	3.24	
T130TRMCIG	T130 MOLDED SNAP-ON CVR, 2 SNAP-IN FACEPLATES	1 PC	10	1		PC	3.24	
T130TRMCIW	T130 MOLDED SNAP-ON CVR, 2 SNAP-IN FACEPLATES	1 PC	10	1		PC	3.24	
T130TRMCWH	T130 MOLDED SNAP-ON CVR, 2 SNAP-IN FACEPLATES	1 PC	10	1		PC	3.24	
T170GEI	T170 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	5.53	4.47
T170GIG	T170 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	5.53	4.47
T170GIW	T170 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	5.53	4.47
T170GWH	T170 PRE-CUT COVER, RECTANGULAR ELEC	1 PC	10	1	5	PC	5.53	4.47
T170HIG	T170 PRE-CUT COVER, DIN SQUARE OPENING	1 PC	10	1	5	PC	5.53	4.47
T170K1EI	T170 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.53	4.47
T170K1IG	T170 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.53	4.47
T170K1IW	T170 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.53	4.47
T170K1WH	T170 PRE-CUT COVER, 1 SNAP-IN FACEPLATE	1 PC	10	1	5	PC	5.53	4.47
T170K2EI	T170 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	6.50	5.25
T170K2IG	T170 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	6.50	5.25
T170K2IW	T170 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	6.50	5.25
T170K2WH	T170 PRE-CUT COVER, 2 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	6.50	5.25
T170K3EI	T170 PRE-CUT COVER, 3 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	7.10	5.73
T170K3IG	T170 PRE-CUT COVER, 3 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	7.10	5.73
T170K3IW	T170 PRE-CUT COVER, 3 SNAP-IN FACEPLATES	1 PC	10	1	5	PC	7.10	5.73
T170TD	T170 FITTING, DIVIDED TEE INSERT	1 PC	10	1	10	PC	5.90	4.76
T702BCEI-X	T702 FITTING, BASE COUPLER	10 PC	100	1	10	PC	6.16	4.97

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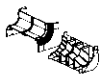
Effective Date: March 23, 2001

PANDUIT® Raceway Systems

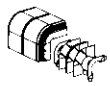
T702BC — Twin-70 Base Coupler Fitting

T702 — End Cap Fitting

T702E — Entrance End Fitting



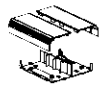
T702IC — Inside Corner Fitting



T702OC — Outside Corner Fitting

T702RA — Right Angle Fitting

T702TR — Transition Fitting



T702TRL — Transition Fitting

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
T702BCIG-X	T702 FITTING, BASE COUPLER	10 PC	100	1	10	PC	$ 6.16	$ 4.97
T702BCIW-X	T702 FITTING, BASE COUPLER	10 PC	100	1	10	PC	6.16	4.97
T702BCWH-X	T702 FITTING, BASE COUPLER	10 PC	100	1	10	PC	6.16	4.97
T702BEI8	T702 POWER/DATA RACEWAY BASE, 8'	24 FT		8	24	FT	6.78	5.47
T702BEI10	T702 POWER/DATA RACEWAY BASE, 10'	30 FT		10	30	FT	7.01	5.66
T702BIG8	T702 POWER/DATA RACEWAY BASE, 8'	24 FT		8	24	FT	6.78	5.47
T702BIG10	T702 POWER/DATA RACEWAY BASE, 10'	30 FT		10	30	FT	7.01	5.66
T702BIW8	T702 POWER/DATA RACEWAY BASE, 8'	24 FT		8	24	FT	6.78	5.47
T702BIW10	T702 POWER/DATA RACEWAY BASE, 10'	30 FT		10	30	FT	7.01	5.66
T702BWH8	T702 POWER/DATA RACEWAY BASE, 8'	24 FT		8	24	FT	6.78	5.47
T702BWH10	T702 POWER/DATA RACEWAY BASE, 10'	30 FT		10	30	FT	7.01	5.66
T702ECEI	T702 FITTING, END CAP	1 PC	10	1	10	PC	6.71	5.41
T702ECIG	T702 FITTING, END CAP	1 PC	10	1	10	PC	6.71	5.41
T702ECIW	T702 FITTING, END CAP	1 PC	10	1	10	PC	6.71	5.41
T702ECWH	T702 FITTING, END CAP	1 PC	10	1	10	PC	6.71	5.41
T702EEEI	T702 FITTING, BRC ENTRANCE END	1 PC	5	1	5	PC	29.11	23.49
T702EEIG	T702 FITTING, BRC ENTRANCE END	1 PC	5	1	5	PC	29.11	23.49
T702EEIW	T702 FITTING, BRC ENTRANCE END	1 PC	5	1	5	PC	29.11	23.49
T702EEWH	T702 FITTING, BRC ENTRANCE END	1 PC	5	1	5	PC	29.11	23.49
T702ICEI	T702 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	15.00	12.10
T702ICIG	T702 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	15.00	12.10
T702ICIW	T702 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	15.00	12.10
T702ICWH	T702 FITTING, BRC INSIDE CORNER	1 PC	10	1	10	PC	15.00	12.10
T702OCEI	T702 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	20.35	16.42
T702OCIG	T702 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	20.35	16.42
T702OCIW	T702 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	20.35	16.42
T702OCWH	T702 FITTING, BRC OUTSIDE CORNER	1 PC	10	1	10	PC	20.35	16.42
T702RAEI	T702 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	23.23	18.74
T702RAIG	T702 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	23.23	18.74
T702RAIW	T702 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	23.23	18.74
T702RAWH	T702 FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	23.23	18.74
T702TEI	T702 FITTING, BRC TEE BASE & COVER	1 PC	5	1	5	PC	29.46	23.77
T702TIG	T702 FITTING, BRC TEE BASE & COVER	1 PC	5	1	5	PC	29.46	23.77
T702TIW	T702 FITTING, BRC TEE BASE & COVER	1 PC	5	1	5	PC	29.46	23.77
T702TREI	T702 FITTING, TRANSITION TO T70 RACEWAY	1 PC	5	1	5	PC	22.88	18.46
T702TRI	T702 FITTING, DIVIDED TRANSITION TO T70 OR LD	1 PC	10	1	10	PC	6.71	5.41
T702TRIG	T702 FITTING, TRANSITION TO T70 RACEWAY	1 PC	5	1	5	PC	22.88	18.46
T702TRIW	T702 FITTING, TRANSITION TO T70 RACEWAY	1 PC	5	1	5	PC	22.88	18.46
T702TRLEI	T702 FITTING, TRANSITION TO ANY LD	1 PC	5	1	5	PC	20.52	16.56
T702TRLIG	T702 FITTING, TRANSITION TO ANY LD	1 PC	5	1	5	PC	20.52	16.56
T702TRLIW	T702 FITTING, TRANSITION TO ANY LD	1 PC	5	1	5	PC	20.52	16.56
T702TRLWH	T702 FITTING, TRANSITION TO ANY LD	1 PC	5	1	5	PC	20.52	16.56
T702TRWH	T702 FITTING, TRANSITION TO T70 RACEWAY	1 PC	5	1	5	PC	22.88	18.46
T702TWH	T702 FITTING, BRC TEE BASE & COVER	1 PC	5	1	5	PC	29.46	23.77
TB105EI10	POWER/DATA RACEWAY BASE, SML, 10'	40 FT		10	40	FT	6.08	4.91
TB130EI8	POWER/DATA RACEWAY BASE, MED, 8'	32 FT		8	32	FT	7.32	5.91
TB130EI10	POWER/DATA RACEWAY BASE, MED, 10'	40 FT		10	40	FT	7.32	5.91
TB130IG8	POWER/DATA RACEWAY BASE, MED, 8'	32 FT		8	32	FT	7.32	5.91
TB130IG10	POWER/DATA RACEWAY BASE, MED, 10'	40 FT		10	40	FT	7.32	5.91
TB130IW8	POWER/DATA RACEWAY BASE, MED, 8'	32 FT		8	32	FT	7.32	5.91
TB130IW10	POWER/DATA RACEWAY BASE, MED, 10'	40 FT		10	40	FT	7.32	5.91
TB130WH8	POWER/DATA RACEWAY BASE, MED, 8'	32 FT		8	32	FT	7.32	5.91
TB130WH10	POWER/DATA RACEWAY BASE, MED, 10'	40 FT		10	40	FT	7.32	5.91
TB170EI8	POWER/DATA RACEWAY BASE, LRG, 8'	32 FT		8	32	FT	10.16	8.20
TB170EI10	POWER/DATA RACEWAY BASE, LRG, 10'	20 FT		10	20	FT	10.16	8.20

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				Qty 1	Qty 2		Price 1	Price 2
TB170IG8	POWER/DATA RACEWAY BASE, LRG, 8'	32 FT		8	32	FT	$ 10.16	$ 8.20
TB170IG10	POWER/DATA RACEWAY BASE, LRG, 10'	20 FT		10	20	FT	10.16	8.20
TB170IW8	POWER/DATA RACEWAY BASE, LRG, 8'	32 FT		8	32	FT	10.16	8.20
TB170IW10	POWER/DATA RACEWAY BASE, LRG, 10'	20 FT		10	20	FT	10.16	8.20
TB170WH8	POWER/DATA RACEWAY BASE, LRG, 8'	32 FT		8	32	FT	10.16	8.20
TB170WH10	POWER/DATA RACEWAY BASE, LRG, 10'	20 FT		10	20	FT	10.16	8.20
TB5583-V	TD BOX, STANDARD US ELECTRICAL RECEPT	5 PC	60	1	5	PC	7.75	6.26
TC130EI8	POWER/DATA RACEWAY COVER, MED, 8'	64 FT		8	64	FT	2.91	2.35
TC130EI10	POWER/DATA RACEWAY COVER, MED, 10'	80 FT		10	80	FT	2.91	2.35
TC130IG8	POWER/DATA RACEWAY COVER, MED, 8'	64 FT		8	64	FT	2.91	2.35
TC130IG10	POWER/DATA RACEWAY COVER, MED, 10'	80 FT		10	80	FT	2.91	2.35
TC130IW8	POWER/DATA RACEWAY COVER, MED, 8'	64 FT		8	64	FT	2.91	2.35
TC130IW10	POWER/DATA RACEWAY COVER, MED, 10'	80 FT		10	80	FT	2.91	2.35
TC130WH8	POWER/DATA RACEWAY COVER, MED, 8'	64 FT		8	64	FT	2.91	2.35
TC130WH10	POWER/DATA RACEWAY COVER, MED, 10'	80 FT		10	80	FT	2.91	2.35
TC170EI8	POWER/DATA RACEWAY COVER, LRG, 8'	64 FT		8	64	FT	3.53	2.85
TC170EI10	POWER/DATA RACEWAY COVER, LRG, 10'	60 FT		10	60	FT	3.53	2.85
TC170IG8	POWER/DATA RACEWAY COVER, LRG, 8'	64 FT		8	64	FT	3.53	2.85
TC170IG10	POWER/DATA RACEWAY COVER, LRG, 10'	60 FT		10	60	FT	3.53	2.85
TC170IW8	POWER/DATA RACEWAY COVER, LRG, 8'	64 FT		8	64	FT	3.53	2.85
TC170IW10	POWER/DATA RACEWAY COVER, LRG, 10'	60 FT		10	60	FT	3.53	2.85
TC170WH8	POWER/DATA RACEWAY COVER, LRG, 8'	64 FT		8	64	FT	3.53	2.85
TC170WH10	POWER/DATA RACEWAY COVER, LRG, 10'	60 FT		10	60	FT	3.53	2.85
TCFB3070EI-X	T130/T170 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.96	2.39
TCFB3070IG-X	T130/T170 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.96	2.39
TCFB3070IW-X	T130/T170 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.96	2.39
TCFB3070WH-X	T130/T170 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.96	2.39
TCFC105EI-X	T105 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC105IG-X	T105 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC105IW-X	T105 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC105WH-X	T105 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC130EI-X	T130 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC130IG-X	T130 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC130IW-X	T130 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC130WH-X	T130 FITTING, COVER COUPLER	10 PC	100	1	10	PC	1.99	1.60
TCFC170EI-X	T170 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.02	1.63
TCFC170IG-X	T170 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.02	1.63
TCFC170IW-X	T170 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.02	1.63
TCFC170WH-X	T170 FITTING, COVER COUPLER	10 PC	100	1	10	PC	2.02	1.63
TD688	T105/130/170 DIVIDER WALL, 8'	64 FT		8	64	FT	1.69	1.37
TD6810	T105/130/170 DIVIDER WALL, 10'	80 FT		10	80	FT	1.64	1.32
TE70BEI8	POWER/DATA RACEWAY BASE, 8'	32 FT		8	32	FT	5.62	4.54
TE70BEI10	POWER/DATA RACEWAY BASE, 10'	40 FT		10	40	FT	5.62	4.54
TE70BIG8	POWER/DATA RACEWAY BASE, 8'	32 FT		8	32	FT	5.62	4.54
TE70BIG10	POWER/DATA RACEWAY BASE, 10'	40 FT		10	40	FT	5.62	4.54
TE70BIW8	POWER/DATA RACEWAY BASE, 8'	32 FT		8	32	FT	5.62	4.54
TE70BIW10	POWER/DATA RACEWAY BASE, 10'	40 FT		10	40	FT	5.62	4.54
TE70BWH8	POWER/DATA RACEWAY BASE, 8'	32 FT		8	32	FT	5.62	4.54
TE70BWH10	POWER/DATA RACEWAY BASE, 10'	40 FT		10	40	FT	5.62	4.54
TE70CFBEI-X	TE70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.92	2.36
TE70CFBIG-X	TE70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.92	2.36
TE70CFBIW-X	TE70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.92	2.36
TE70CFBWH-X	TE70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	2.92	2.36
TE70DW8	TE70 DIVIDER WALL, 8'	64 FT		8	64	FT	1.60	1.29
TE70DW10	TE70 DIVIDER WALL, 10'	80 FT		10	80	FT	1.60	1.29

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				Qty 1	Qty 2		Price 1	Price 2
TE70HB	TE70 HANGING BOX WITH DIVIDER WALL	1 PC	10	1	10	PC	$ 6.14	$ 4.96
TE70ICFEI	TE70 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	21.02	16.98
TE70ICFIG	TE70 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	21.02	16.98
TE70ICFIW	TE70 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	21.02	16.98
TE70ICFWH	TE70 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	21.02	16.98
TE70OCBEI	TE70 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	21.04	16.99
TE70OCBIG	TE70 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	21.04	16.99
TE70OCBIW	TE70 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	21.04	16.99
TE70OCBWH	TE70 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	21.04	16.99
TE70OCCEI	TE70 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.01	8.89
TE70OCCIG	TE70 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.01	8.89
TE70OCCIW	TE70 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.01	8.89
TE70OCCWH	TE70 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.01	8.89
TE70RAFEI	TE70 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	24.48	19.77
TE70RAFIG	TE70 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	24.48	19.77
TE70RAFIW	TE70 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	24.48	19.77
TE70RAFWH	TE70 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	24.48	19.77
TE70TD	TE70 FITTING, DIVIDED TEE INSERT	1 PC	10	1	10	PC	3.96	3.20
TE70TFEI	TE70 FITTING, TEE	1 PC	10	1	5	PC	26.92	21.74
TE70TFIG	TE70 FITTING, TEE	1 PC	10	1	5	PC	26.92	21.74
TE70TFIW	TE70 FITTING, TEE	1 PC	10	1	5	PC	26.92	21.74
TE70TFWH	TE70 FITTING, TEE	1 PC	10	1	5	PC	26.92	21.74
TEC105AW	T105 FITTING, END CAP	1 PC	10	1	5	PC	6.46	5.22
TEC105EI	T105 FITTING, END CAP	1 PC	10	1	5	PC	6.46	5.22
TEC105IG	T105 FITTING, END CAP	1 PC	10	1	5	PC	6.46	5.22
TEC105IW	T105 FITTING, END CAP	1 PC	10	1	5	PC	6.46	5.22
TEC105WH	T105 FITTING, END CAP	1 PC	10	1	5	PC	6.46	5.22
TEC130AW	T130 FITTING, END CAP	1 PC	10	1	5	PC	6.99	5.64
TEC130EI	T130 FITTING, END CAP	1 PC	10	1	5	PC	6.99	5.64
TEC130IG	T130 FITTING, END CAP	1 PC	10	1	5	PC	6.99	5.64
TEC130IW	T130 FITTING, END CAP	1 PC	10	1	5	PC	6.99	5.64
TEC130WH	T130 FITTING, END CAP	1 PC	10	1	5	PC	6.99	5.64
TEC170EI	T170 FITTING, END CAP	1 PC	10	1	5	PC	7.48	6.04
TEC170IG	T170 FITTING, END CAP	1 PC	10	1	5	PC	7.48	6.04
TEC170IW	T170 FITTING, END CAP	1 PC	10	1	5	PC	7.48	6.04
TEC170WH	T170 FITTING, END CAP	1 PC	10	1	5	PC	7.48	6.04
TEE130EI	T130 FITTING, ENTRANCE END	1 PC	10	1	5	PC	30.65	24.75
TEE130IG	T130 FITTING, ENTRANCE END	1 PC	10	1	5	PC	30.65	24.75
TEE130IW	T130 FITTING, ENTRANCE END	1 PC	10	1	5	PC	30.65	24.75
TEE130WH	T130 FITTING, ENTRANCE END	1 PC	10	1	5	PC	30.65	24.75
TF3EI-E	LD3 FITTING, TEE	20 PC	100	1	20	PC	1.34	1.08
TF3IG-E	LD3 FITTING, TEE	20 PC	100	1	20	PC	1.34	1.08
TF3IW-E	LD3 FITTING, TEE	20 PC	100	1	20	PC	1.34	1.08
TF3WH-E	LD3 FITTING, TEE	20 PC	100	1	20	PC	1.34	1.08
TF5BL-E	LD5 FITTING, TEE	20 PC	100	1	20	PC	1.43	1.15
TF5EI-E	LD5 FITTING, TEE	20 PC	100	1	20	PC	1.43	1.15
TF5IG-E	LD5 FITTING, TEE	20 PC	100	1	20	PC	1.43	1.15
TF5IW-E	LD5 FITTING, TEE	20 PC	100	1	20	PC	1.43	1.15
TF5WH-E	LD5 FITTING, TEE	20 PC	100	1	20	PC	1.43	1.15
TF10EI-X	LD10 FITTING, TEE	10 PC	100	1	10	PC	1.55	1.25
TF10IG-X	LD10 FITTING, TEE	10 PC	100	1	10	PC	1.55	1.25
TF10IW-X	LD10 FITTING, TEE	10 PC	100	1	10	PC	1.55	1.25
TF10WH-X	LD10 FITTING, TEE	10 PC	100	1	10	PC	1.55	1.25
TFC3EI-X	LD3 FITTING, BRC TEE	10 PC	100	1	10	PC	1.60	1.29
TFC3IG-X	LD3 FITTING, BRC TEE	10 PC	100	1	10	PC	1.60	1.29

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
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Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
TFC3IW-X	LD3 FITTING, BRC TEE	10 PC	100	1	10	PC	$ 1.60	$ 1.29
TFC3WH-X	LD3 FITTING, BRC TEE	10 PC	100	1	10	PC	1.60	1.29
TFC5BL-X	LD5 FITTING, BRC TEE	10 PC	100	1	10	PC	1.71	1.38
TFC5EI-X	LD5 FITTING, BRC TEE	10 PC	100	1	10	PC	1.71	1.38
TFC5IG-X	LD5 FITTING, BRC TEE	10 PC	100	1	10	PC	1.71	1.38
TFC5IW-X	LD5 FITTING, BRC TEE	10 PC	100	1	10	PC	1.71	1.38
TFC5WH-X	LD5 FITTING, BRC TEE	10 PC	100	1	10	PC	1.71	1.38
TFC10EI-X	LD10 FITTING, BRC TEE	10 PC	100	1	10	PC	1.87	1.51
TFC10IG-X	LD10 FITTING, BRC TEE	10 PC	100	1	10	PC	1.87	1.51
TFC10IW-X	LD10 FITTING, BRC TEE	10 PC	100	1	10	PC	1.87	1.51
TFC10WH-X	LD10 FITTING, BRC TEE	10 PC	100	1	10	PC	1.87	1.51
TFX3EI-X	LD/LDP3 FITTING, BRC TEE	10 PC	100	1	10	PC	2.57	2.07
TFX3IG-X	LD/LDP3 FITTING, BRC TEE	10 PC	100	1	10	PC	2.57	2.07
TFX3IW-X	LD/LDP3 FITTING, BRC TEE	10 PC	100	1	10	PC	2.57	2.07
TFX3WH-X	LD/LDP3 FITTING, BRC TEE	10 PC	100	1	10	PC	2.57	2.07
TFX5BL-X	LD/LDP5 FITTING, BRC TEE	10 PC	100	1	10	PC	3.20	2.58
TFX5EI-X	LD/LDP5 FITTING, BRC TEE	10 PC	100	1	10	PC	3.20	2.58
TFX5IG-X	LD/LDP5 FITTING, BRC TEE	10 PC	100	1	10	PC	3.20	2.58
TFX5IW-X	LD/LDP5 FITTING, BRC TEE	10 PC	100	1	10	PC	3.20	2.58
TFX5WH-X	LD/LDP5 FITTING, BRC TEE	10 PC	100	1	10	PC	3.20	2.58
TFX10EI-X	LD/LDP10 FITTING, BRC TEE	10 PC	100	1	10	PC	3.38	2.73
TFX10IG-X	LD/LDP10 FITTING, BRC TEE	10 PC	100	1	10	PC	3.38	2.73
TFX10IW-X	LD/LDP10 FITTING, BRC TEE	10 PC	100	1	10	PC	3.38	2.73
TFX10WH-X	LD/LDP10 FITTING, BRC TEE	10 PC	100	1	10	PC	3.38	2.73
TFXD10EI-X	LD/LDP10 FITTING, BRC TEE W/DIVIDER	10 PC	100	1	10	PC	4.47	3.61
TFXD10IG-X	LD/LDP10 FITTING, BRC TEE W/DIVIDER	10 PC	100	1	10	PC	4.47	3.61
TFXD10IW-X	LD/LDP10 FITTING, BRC TEE W/DIVIDER	10 PC	100	1	10	PC	4.47	3.61
TFXD10WH-X	LD/LDP10 FITTING, BRC TEE W/DIVIDER	10 PC	100	1	10	PC	4.47	3.61
TG70BCEI-X	TG70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	5.17	4.17
TG70BCIW-X	TG70 FITTING, BASE COUPLER	10 PC	100	1	10	PC	5.17	4.17
TG70EI8	POWER/DATA RACEWAY BASE/COVER 8'	32 FT		8	32	FT	10.97	8.86
TG70EI10	POWER/DATA RACEWAY BASE/COVER 10'	40 FT		10	40	FT	10.97	8.86
TG70HB3-X	TG70 HANGING BOX, 3-SIDED	10 PC	100	1	10	PC	6.69	5.40
TG70IW8	POWER/DATA RACEWAY BASE/COVER 8'	32 FT		8	32	FT	10.97	8.86
TG70IW10	POWER/DATA RACEWAY BASE/COVER 10'	40 FT		10	40	FT	10.97	8.86
TG70WR-X	TG70 WIRE RETAINER	10 PC	100	1	10	PC	1.58	1.28
TGDW8	TG DIVIDER WALL 8'	64 FT		8	64	FT	1.44	1.16
TGDW10	TG DIVIDER WALL 10'	80 FT		10	80	FT	1.44	1.16
TGECEI	TG FITTING, END CAP	1 PC	10	1	10	PC	6.71	5.41
TGECIW	TG FITTING, END CAP	1 PC	10	1	10	PC	6.71	5.41
TGFSB	TG FIBER SPOOL BRACKET	1 PC	10	1	10	PC	8.45	6.82
TGICEI	TG FITTING, BRC INSIDE CORNER	1 PC		1	10	PC	25.41	20.50
TGICIW	TG FITTING, BRC INSIDE CORNER	1 PC		1	10	PC	25.41	20.50
TGOCEI	TG FITTING, BRC OUTSIDE CORNER	1 PC		1	10	PC	27.60	22.27
TGOCIW	TG FITTING, BRC OUTSIDE CORNER	1 PC		1	10	PC	27.60	22.27
TGRAEI	TG FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	22.53	18.18
TGRAIW	TG FITTING, BRC RIGHT ANGLE	1 PC	10	1	10	PC	22.53	18.18
TGTD	TG FITTING, TEE DIVIDER WALL	1 PC	5	1	10	PC	8.10	6.53
TGTEI	TG FITTING, BRC TEE BASE & COVER	1 PC	5	1	10	PC	16.70	13.48
TGTIW	TG FITTING, BRC TEE BASE & COVER	1 PC	5	1	10	PC	16.70	13.48
TGTREI	TG FITTING, TRANSITION TO T45, LD5, LD10	1 PC	10	1	10	PC	15.70	12.67
TGTRIW	TG FITTING, TRANSITION TO T45, LD5, LD10	1 PC	10	1	10	PC	15.70	12.67
TIC130EI	T130 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	25.06	20.24
TIC130IG	T130 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	25.06	20.24
TIC130IW	T130 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	25.06	20.24

Colors: BL = Black, BR = Brown, CL = Clear, DG = Dark Gray, RD = Red, EI = Elect. Ivory, IG = Light Gray, IW = Off White, LG = Light Gray, OR = Orange, WH = White, YL = Yellow
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Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities		Price UOM	Suggested Trade Prices	
				Qty 1	Qty 2		Price 1	Price 2
TIC130WH	T130 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	$ 25.06	$ 20.24
TIC170EI	T170 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	35.82	28.93
TIC170IG	T170 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	35.82	28.93
TIC170IW	T170 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	35.82	28.93
TIC170WH	T170 FITTING, INSIDE CORNER	1 PC	10	1	5	PC	35.82	28.93
TMB105-X	T105 WALL MOUNT BRACKET	10 PC	100	1	10	PC	2.66	2.14
TMB130-X	T130 WALL MOUNT BRACKET	10 PC	100	1	10	PC	3.08	2.49
TMB170-X	T170 WALL MOUNT BRACKET	10 PC	100	1	10	PC	3.41	2.75
TOCB130EI	T130 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	25.10	20.27
TOCB130IG	T130 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	25.10	20.27
TOCB130IW	T130 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	25.10	20.27
TOCB130WH	T130 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	25.10	20.27
TOCB170EI	T170 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	35.91	29.00
TOCB170IG	T170 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	35.91	29.00
TOCB170IW	T170 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	35.91	29.00
TOCB170WH	T170 FITTING, OUTSIDE CORNER BASE	1 PC	10	1	5	PC	35.91	29.00
TOCC130EI	T130 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.63	9.39
TOCC130IG	T130 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.63	9.39
TOCC130IW	T130 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.63	9.39
TOCC130WH	T130 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	11.63	9.39
TOCC170EI	T170 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	12.01	9.70
TOCC170IG	T170 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	12.01	9.70
TOCC170IW	T170 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	12.01	9.70
TOCC170WH	T170 FITTING, OUTSIDE CORNER COVER	1 PC	10	1	5	PC	12.01	9.70
TR170X130EI	REDUCER FITTING, T170 TO T130	1 PC	10	1	5	PC	23.91	19.32
TR170X130IW	REDUCER FITTING, T170 TO T130	1 PC	10	1	5	PC	23.91	19.32
TR170X130WH	REDUCER FITTING, T170 TO T130	1 PC	10	1	5	PC	23.91	19.32
TRA105EI	T105 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	25.21	20.36
TRA105IG	T105 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	25.21	20.36
TRA105IW	T105 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	25.21	20.36
TRA105WH	T105 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	25.21	20.36
TRA130EI	T130 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	28.76	23.23
TRA130IG	T130 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	28.76	23.23
TRA130IW	T130 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	28.76	23.23
TRA130WH	T130 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	28.76	23.23
TRA170EI	T170 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	38.18	30.84
TRA170IG	T170 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	38.18	30.84
TRA170IW	T170 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	38.18	30.84
TRA170WH	T170 FITTING, RIGHT ANGLE	1 PC	10	1	5	PC	38.18	30.84
TT105EI	T105 FITTING, TEE	1 PC	10	1	5	PC	27.72	22.39
TT105IG	T105 FITTING, TEE	1 PC	10	1	5	PC	27.72	22.39
TT105IW	T105 FITTING, TEE	1 PC	10	1	5	PC	27.72	22.39
TT105WH	T105 FITTING, TEE	1 PC	10	1	5	PC	27.72	22.39
TT130EI	T130 FITTING, TEE	1 PC	10	1	5	PC	31.65	25.56
TT130IG	T130 FITTING, TEE	1 PC	10	1	5	PC	31.65	25.56
TT130IW	T130 FITTING, TEE	1 PC	10	1	5	PC	31.65	25.56
TT130WH	T130 FITTING, TEE	1 PC	10	1	5	PC	31.65	25.56
TT170EI	T170 FITTING, TEE	1 PC	10	1	5	PC	42.01	33.93
TT170IG	T170 FITTING, TEE	1 PC	10	1	5	PC	42.01	33.93
TT170IW	T170 FITTING, TEE	1 PC	10	1	5	PC	42.01	33.93
TT170WH	T170 FITTING, TEE	1 PC	10	1	5	PC	42.01	33.93
TWR130-X	T130 WIRE RETAINER	10 PC	100	1	10	PC	1.95	1.58
TWR170-X	T170 WIRE RETAINER	10 PC	100	1	10	PC	2.09	1.69
WPS-20	FACEPLATE, 1-GANG STAINLESS STEEL DUPLEX	1 PC	10	1	10	PC	3.51	2.84
WPS-202	FACEPLATE, 2-GANG STAINLESS STEEL DUPLEX	1 PC	10	1	10	PC	6.86	5.54

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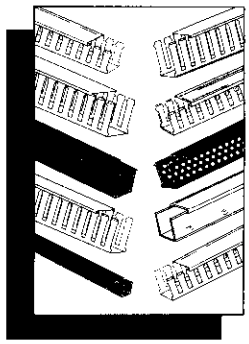
PANDUIT® Wiring Duct

UL RECOGNIZED
File No. E147128

CSA CERTIFIED
File No. 16446

PANDUIT Wiring Duct System is used to route and protect wires in control panels and communication closets.

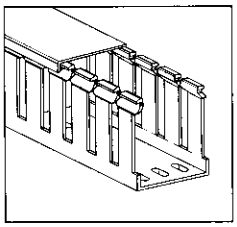


Control Panels:

- Routes and protects wires inside the panel.
- Duct cover conceals wiring to improve appearance of the control panel.
- Changes may be made quickly by removing the duct cover, which allows full access to wires inside the duct.

Communication Closets:

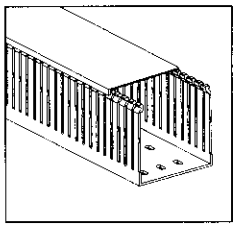
- Organizes and protects wires entering the closet as well as those terminated to patch panels and punchdown blocks.
- Improves appearance of the communication closet by keeping wires out of sight.
- Eliminates need to strap and bundle wires.
- Changes may be made quickly by removing the duct cover, which allows full access to wires inside the duct.
- Can easily mount on telecommunications racks, providing organization and concealment of cables on the rack.



A wide finger, slotted wall duct for greater rigidity and larger slot width requirements. Available in 35 sizes. Made of rigid PVC material in white, light gray, dark gray, black and intrinsic blue. Type G Duct is UL Recognized, CSA Certified and has a UL Flammability Rating of 94V-0.

Ideal for use in applications requiring:

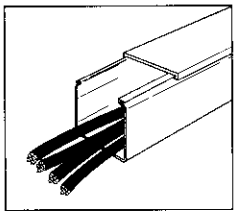
- Larger finger width for greater rigidity
- Breakouts of larger wire diameters
- Duct heights ranging from .5 to 5



A high density, slotted wall wiring duct designed for today's higher density terminal blocks. Available in 29 sizes. Made of rigid PVC material in white, light gray and dark gray. Type F Duct is UL Recognized, CSA Certified and has a UL Flammability Rating of 94V-0.

Ideal for use in applications requiring:

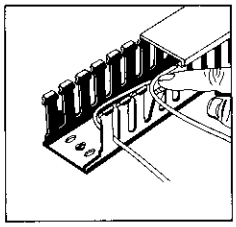
- High density finger and slot spacing
- Wiring of high density terminal blocks
- Duct heights ranging from 0.5 to 5



A solid wall wiring duct for great strength and rigidity. Available in 35 sizes. Made of rigid PVC material in white, light gray, dark gray, black and intrinsic blue. Type FS duct is UL Recognized, CSA Certified, and has a UL Flammability Rating of 94V-0.

Ideal for applications requiring:

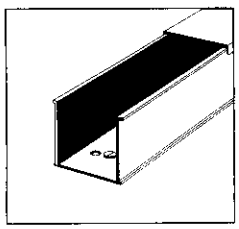
- Solid wall duct for great strength and rigidity
- Duct heights ranging from .5 to 5
- Solid wall design with flush cover



A wide finger, slotted wall duct for greater rigidity and larger slot width requirements. Available in 41 sizes. Made of rigid PVC material in white, light gray, dark gray, black and intrinsic blue. Type E Duct is UL Recognized, CSA Certified, and has a UL Flammability Rating of 94V-0.

Ideal for applications requiring:

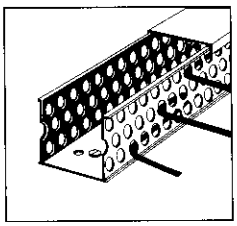
- Larger finger width for greater rigidity
- Breakouts of larger wire diameters
- Duct heights ranging from .5 to 5



A solid wall raceway for great strength and rigidity. Available in 41 sizes. Made of rigid PVC material in various colors. Type S Raceway is UL Recognized, CSA Certified, and has a UL Flammability Rating of 94V-0.

Ideal for applications requiring:

- Solid wall raceway for great strength and rigidity
- Duct heights ranging from .5 to 5

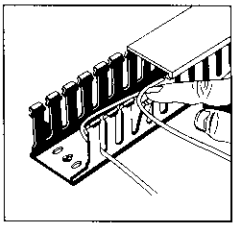


Round hole design for rigid, convenient installations. Available in 26 sizes. Made of rigid PVC in white, light gray and black. Type D Duct is UL Recognized, CSA approved, and has a UL Flammability Rating of 94V-0.

Ideal for applications requiring:

- Consistent wire exit height
- Duct heights ranging from .75 to 4

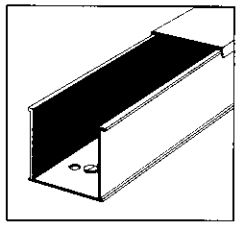
For further information about products in this section refer to *PanDuct* Wiring Duct Catalog SA101N64D-LP



Type NE Duct is ideal for halogen free or high temperature applications. Available in 30 sizes. Made of halogen free material in white or light gray. Type NE duct is UL Recognized and has a UL Flammability Rating of 94V-1

Ideal for applications requiring:

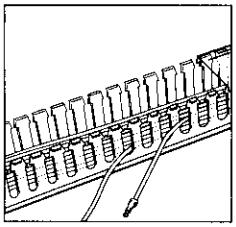
- Larger finger width for greater rigidity
- Halogen free or high temperature installations
- Duct heights ranging from .5 to 5



Type NS Raceway is ideal for halogen free or high temperature applications. Available in 30 sizes. Made of halogen free material in white or light gray. Type NS Raceway is UL Recognized and has a UL Flammability Rating of 94V-1

Ideal for applications requiring:

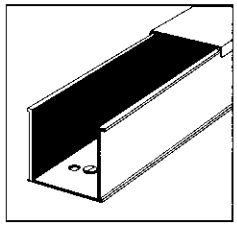
- Solid wall raceway for great strength and rigidity
- Halogen free or high temperature installations
- Duct heights ranging from .5 to 5



A wide finger wiring duct for greater rigidity. Available in 8 sizes. Made of Clear Polycarbonate. 14% lighter than PVC. Type PE Duct is UL Recognized.

Ideal for applications requiring:

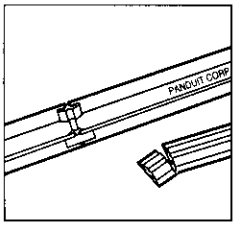
- Low halogen and low smoke installations
- Low and high temperature durability
- Duct heights ranging from 1 to 4



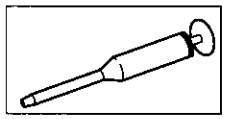
A solid wall raceway for great strength and rigidity. Available in 6 sizes. Made of Clear Polycarbonate. 14% lighter than PVC. Type PS Duct is UL Recognized.

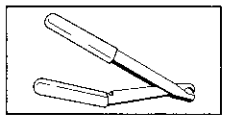
Ideal for applications requiring:

- Low halogen and low smoke installations
- Low and high temperature durability
- Duct heights ranging from 1 to 4



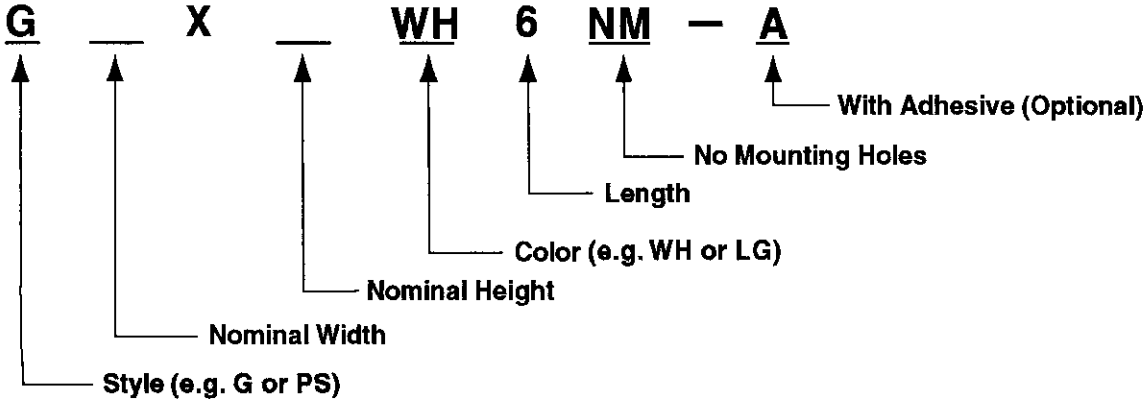
Accessories include divider walls, covers, wire retainers and attachment hardware. Designed to make installations easier and more manageable.

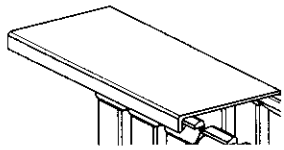




Tools for cutting, notching or attaching wiring duct and raceway. Specially designed to make installations fast and easy, tools are made of durable materials and are simple to use.

Ordering Information:



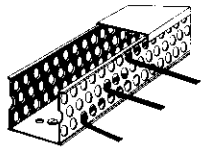


Type "C" Cover

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
C.5BL6	DUCT COVER, PVC, 0.5"W X 6', BLK	120 FT		6	120		FT	$ 0.79	$ 0.64	$
C.5DG6	DUCT COVER, PVC, 0.5"W X 6', DGRY	120 FT		6	120		FT	0.79	0.64	
C.5LG6	DUCT COVER, PVC, 0.5"W X 6', LGRY	120 FT		6	120		FT	0.79	0.64	
C.5WH6	DUCT COVER, PVC, 0.5"W X 6', WHT	120 FT		6	120		FT	0.79	0.64	
C.75BL6	DUCT COVER, PVC, 0.75"W X 6', BLK	120 FT		6	120		FT	0.88	0.71	
C.75DG6	DUCT COVER, PVC, 0.75"W X 6', DGRY	120 FT		6	120		FT	0.88	0.71	
C.75LG6	DUCT COVER, PVC, 0.75"W X 6', LGRY	120 FT		6	120		FT	0.88	0.71	
C.75WH6	DUCT COVER, PVC, 0.75"W X 6', WHT	120 FT		6	120		FT	0.88	0.71	
C1BL6	DUCT COVER, PVC, 1"W X 6', BLK	120 FT		6	120		FT	0.95	0.77	
C1DG6	DUCT COVER, PVC, 1"W X 6', DGRY	120 FT		6	120		FT	0.95	0.77	
C1IB6	DUCT COVER, PVC, 1"W X 6', BLU	120 FT		6	120		FT	1.08	0.88	
C1LG6	DUCT COVER, PVC, 1"W X 6', LGRY	120 FT		6	120		FT	0.95	0.77	
C1WH6	DUCT COVER, PVC, 1"W X 6', WHT	120 FT		6	120		FT	0.95	0.77	
C1.5BL6	DUCT COVER, PVC, 1.5"W X 6', BLK	120 FT		6	120		FT	1.22	0.99	
C1.5DG6	DUCT COVER, PVC, 1.5"W X 6', DGRY	120 FT		6	120		FT	1.22	0.99	
C1.5LG6	DUCT COVER, PVC, 1.5"W X 6', LGRY	120 FT		6	120		FT	1.22	0.99	
C1.5WH6	DUCT COVER, PVC, 1.5"W X 6', WHT	120 FT		6	120		FT	1.22	0.99	
C2BL6	DUCT COVER, PVC, 2"W X 6', BLK	120 FT		6	120		FT	1.47	1.19	
C2DG6	DUCT COVER, PVC, 2"W X 6', DGRY	120 FT		6	120		FT	1.47	1.19	
C2IB6	DUCT COVER, PVC, 2"W X 6', BLU	120 FT		6	120		FT	1.66	1.34	
C2LG6	DUCT COVER, PVC, 2"W X 6', LGRY	120 FT		6	120		FT	1.47	1.19	
C2OR6	DUCT COVER, PVC, 2"W X 6', ORN	120 FT		6	120		FT	1.42	1.15	
C2WH6	DUCT COVER, PVC, 2"W X 6', WHT	120 FT		6	120		FT	1.47	1.19	
C2YL6	DUCT COVER, PVC, 2"W X 6', YEL	120 FT		6	120		FT	1.42	1.15	
C2.5BL6	DUCT COVER, PVC, 2.5"W X 6', BLK	120 FT		6	120		FT	1.79	1.45	
C2.5DG6	DUCT COVER, PVC, 2.5"W X 6', DGRY	120 FT		6	120		FT	1.79	1.45	
C2.5LG6	DUCT COVER, PVC, 2.5"W X 6', LGRY	120 FT		6	120		FT	1.79	1.45	
C2.5WH6	DUCT COVER, PVC, 2.5"W X 6', WHT	120 FT		6	120		FT	1.79	1.45	
C3BL6	DUCT COVER, PVC, 3"W X 6', BLK	120 FT		6	120		FT	2.20	1.78	
C3DG6	DUCT COVER, PVC, 3"W X 6', DGRY	120 FT		6	120		FT	2.20	1.78	
C3IB6	DUCT COVER, PVC, 3"W X 6', BLU	120 FT		6	120		FT	2.42	1.96	
C3LG6	DUCT COVER, PVC, 3"W X 6', LGRY	120 FT		6	120		FT	2.20	1.78	
C3WH6	DUCT COVER, PVC, 3"W X 6', WHT	120 FT		6	120		FT	2.20	1.78	
C4BL6	DUCT COVER, PVC, 4"W X 6', BLK	120 FT		6	120		FT	2.65	2.15	
C4DG6	DUCT COVER, PVC, 4"W X 6', DGRY	120 FT		6	120		FT	2.65	2.15	
C4IB6	DUCT COVER, PVC, 4"W X 6', BLU	120 FT		6	120		FT	2.77	2.25	
C4LG6	DUCT COVER, PVC, 4"W X 6', LGRY	120 FT		6	120		FT	2.65	2.15	
C4OR6	DUCT COVER, PVC, 4"W X 6', ORN	120 FT		6	120		FT	2.57	2.08	
C4WH6	DUCT COVER, PVC, 4"W X 6', WHT	120 FT		6	120		FT	2.65	2.15	
C4YL6	DUCT COVER, PVC, 4"W X 6', YEL	120 FT		6	120		FT	2.57	2.08	
C6DG6	DUCT COVER, PVC, 6"W X 6', DGRY	120 FT		6	120		FT	6.81	5.52	
C6LG6	DUCT COVER, PVC, 6"W X 6', LGRY	120 FT		6	120		FT	7.01	5.69	
C6WH6	DUCT COVER, PVC, 6"W X 6', WHT	120 FT		6	120		FT	7.01	5.69	
C25IG2	DUCT COVER, PVC, 25MM W X 2M, 'GRY	20 MR		2	20		MR	3.41	2.75	
C25WH2	DUCT COVER, PVC, 25MM W X 2M, WHT	20 MR		2	20		MR	3.66	2.95	
C37WH2	DUCT COVER, PVC, 37.5MM W X 2M, WHT	20 MR		2	20		MR	4.75	3.83	
CS1BL6	DUCT CORNER STR'P, 6', BLK	120 FT		6	120		FT	2.77	2.22	
CS1DG6	DUCT CORNER STR'P, 6', DGRY	120 FT		6	120		FT	2.77	2.22	
CS1LG6	DUCT CORNER STR'P, 6', LGRY	120 FT		6	120		FT	2.77	2.22	
CS1WH6	DUCT CORNER STR'P, 6', WHT	120 FT		6	120		FT	2.77	2.22	
CSC1BL6	1" BEND RAD'US CORNER STR'P, 6', BLK	120 FT		6	120		FT	6.35	5.10	
CSC1DG6	1" BEND RAD'US CORNER STR'P, 6', DGRY	120 FT		6	120		FT	6.35	5.10	
CSC1LG6	1" BEND RAD'US CORNER STR'P, 6', LGRY	120 FT		6	120		FT	6.35	5.10	
CSC1WH6	1" BEND RAD'US CORNER STR'P, 6', WHT	120 FT		6	120		FT	6.35	5.10	

* Contact distributor for pricing on quantities larger than those shown.

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



Type D — Round Hole Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
CSP1LG-Q	DUCT CORNER STR'P, PRE-CUT 1"H, LGRY	25 PC	250	1	25		C	$ 187.21	$ 151.05	$
CSP1.5LG-Q	DUCT CORNER STR'P, PRE-CUT 1.5"H, LGRY	25 PC	250	1	25		C	203.23	163.97	
CSP2LG-Q	DUCT CORNER STR'P, PRE-CUT 2"H, LGRY	25 PC	250	1	25		C	218.03	175.91	
CSP3LG-Q	DUCT CORNER STR'P, PRE-CUT 3"H, LGRY	25 PC	250	1	25		C	281.20	226.87	
CSP4LG-Q	DUCT CORNER STR'P, PRE-CUT 4"H, LGRY	25 PC	250	1	25		C	317.52	256.18	
CSPC1LG-Q	1" BEND RAD'US CORNER STR'P, PRE-CUT 1"H, LGRY	25 PC	250	1	25		C	206.66	166.74	
CSPC1.5LG-Q	1" BEND RAD'US CORN STR'P, PRE-CUT 1.5"H, LGRY	25 PC	250	1	25		C	222.97	179.90	
CSPC2LG-Q	1" BEND RAD'US CORNER STR'P, PRE-CUT 2"H, LGRY	25 PC	250	1	25		C	239.29	193.06	
CSPC3LG-Q	1" BEND RAD'US CORNER STR'P, PRE-CUT 3"H, LGRY	25 PC	250	1	25		C	309.99	250.10	
CSPC4LG-Q	1" BEND RAD'US CORNER STR'P, PRE-CUT 4"H, LGRY	25 PC	250	1	25		C	349.87	282.28	
D.75X.75BL6	ROUND HL DUCT, PVC,.75"X.75"X6' BLK	120 FT		6	120		FT	3.71	3.00	
D.75X.75LG6	ROUND HL DUCT, PVC, .75"X.75"X6', LGRY	120 FT		6	120		FT	3.71	3.00	
D.75X.75WH6	ROUND HL DUCT, PVC, .75"X.75"X6', WHT	120 FT		6	120		FT	3.71	3.00	
D.75X1BL6	ROUND HL DUCT, PVC, .75"X1"X6', BLK	120 FT		6	120		FT	3.98	3.21	
D.75X1LG6	ROUND HL DUCT, PVC, .75"X1"X6', LGRY	120 FT		6	120		FT	3.98	3.21	
D.75X1WH6	ROUND HL DUCT, PVC, .75"X1"X6', WHT	120 FT		6	120		FT	3.98	3.21	
D.75X1.5BL6	ROUND HL DUCT, PVC, .75"X1.5"X6', BLK	120 FT		6	120		FT	4.79	3.86	
D.75X1.5LG6	ROUND HL DUCT, PVC, .75"X1.5"X6', LGRY	120 FT		6	120		FT	4.79	3.86	
D.75X1.5WH6	ROUND HL DUCT, PVC, .75"X1.5"X6', WHT	120 FT		6	120		FT	4.79	3.86	
D1H6	DUCT D'V'DER WALL, PVC, 1"H X 6'	120 FT		6	120		FT	1.67	1.35	
D1X1BL6	ROUND HL DUCT, PVC, 1"X1"X6', BLK	120 FT		6	120		FT	3.91	3.15	
D1X1LG6	ROUND HL DUCT, PVC, 1"X1"X6', LGRY	120 FT		6	120		FT	3.91	3.15	
D1X1WH6	ROUND HL DUCT, PVC, 1"X1"X6', WHT	120 FT		6	120		FT	3.91	3.15	
D1X1.5BL6	ROUND HL DUCT, PVC, 1"X1.5"X6', BLK	120 FT		6	120		FT	4.88	3.93	
D1X1.5LG6	ROUND HL DUCT, PVC, 1"X1.5"X6', LGRY	120 FT		6	120		FT	4.88	3.93	
D1X1.5WH6	ROUND HL DUCT, PVC, 1"X1.5"X6', WHT	120 FT		6	120		FT	4.88	3.93	
D1X2BL6	ROUND HL DUCT, PVC, 1"X2"X6', BLK	120 FT		6	120		FT	5.35	4.32	
D1X2LG6	ROUND HL DUCT, PVC, 1"X2"X6', LGRY	120 FT		6	120		FT	5.35	4.32	
D1X2WH6	ROUND HL DUCT, PVC, 1"X2"X6', WHT	120 FT		6	120		FT	5.35	4.32	
D1X3BL6	ROUND HL DUCT, PVC, 1"X3"X6', BLK	120 FT		6	120		FT	6.93	5.59	
D1X3LG6	ROUND HL DUCT, PVC, 1"X3"X6', LGRY	120 FT		6	120		FT	6.93	5.59	
D1X3WH6	ROUND HL DUCT, PVC, 1"X3"X6', WHT	120 FT		6	120		FT	6.93	5.59	
D1X4BL6	ROUND HL DUCT, PVC, 1"X4"X6', BLK	60 FT		6	60		FT	8.50	6.86	
D1X4LG6	ROUND HL DUCT, PVC, 1"X4"X6', LGRY	60 FT		6	60		FT	8.50	6.86	
D1X4WH6	ROUND HL DUCT, PVC, 1"X4"X6', WHT	60 FT		6	60		FT	8.50	6.86	
D1.5H6	DUCT D'V'DER WALL, PVC, 1.5"H X 6'	120 FT		6	120		FT	2.09	1.69	
D1.5X1.5BL6	ROUND HL DUCT, PVC, 1.5"X1.5"X6', BLK	120 FT		6	120		FT	5.35	4.32	
D1.5X1.5LG6	ROUND HL DUCT, PVC, 1.5"X1.5"X6', LGRY	120 FT		6	120		FT	5.35	4.32	
D1.5X1.5WH6	ROUND HL DUCT, PVC, 1.5"X1.5"X6', WHT	120 FT		6	120		FT	5.35	4.32	
D1.5X2BL6	ROUND HL DUCT, PVC, 1.5"X2"X6', BLK	120 FT		6	120		FT	5.79	4.67	
D1.5X2LG6	ROUND HL DUCT, PVC, 1.5"X2"X6', LGRY	120 FT		6	120		FT	5.79	4.67	
D1.5X2WH6	ROUND HL DUCT, PVC, 1.5"X2"X6', WHT	120 FT		6	120		FT	5.79	4.67	
D1.5X3BL6	ROUND HL DUCT, PVC, 1.5"X3"X6', BLK	120 FT		6	120		FT	7.30	5.89	
D1.5X3LG6	ROUND HL DUCT, PVC, 1.5"X3"X6', LGRY	120 FT		6	120		FT	7.30	5.89	
D1.5X3WH6	ROUND HL DUCT, PVC, 1.5"X3"X6', WHT	120 FT		6	120		FT	7.30	5.89	
D1.5X4BL6	ROUND HL DUCT, PVC, 1.5"X4"X6', BLK	60 FT		6	60		FT	8.64	6.97	
D1.5X4LG6	ROUND HL DUCT, PVC, 1.5"X4"X6', LGRY	60 FT		6	60		FT	8.64	6.97	
D1.5X4WH6	ROUND HL DUCT, PVC, 1.5"X4"X6', WHT	60 FT		6	60		FT	8.64	6.97	
D2H6	DUCT D'V'DER WALL, PVC, 2"H X 6'	120 FT		6	120		FT	2.36	1.90	
D2X1BL6	ROUND HL DUCT, PVC, 2"X1"X6', BLK	120 FT		6	120		FT	5.14	4.15	
D2X1LG6	ROUND HL DUCT, PVC, 2"X1"X6', LGRY	120 FT		6	120		FT	5.14	4.15	
D2X1WH6	ROUND HL DUCT, PVC, 2"X1"X6', WHT	120 FT		6	120		FT	5.14	4.15	
D2X2BL6	ROUND HL DUCT, PVC, 2"X2"X6', BLK	120 FT		6	120		FT	5.81	4.69	
D2X2LG6	ROUND HL DUCT, PVC, 2"X2"X6', LGRY	120 FT		6	120		FT	5.81	4.69	
D2X2WH6	ROUND HL DUCT, PVC, 2"X2"X6', WHT	120 FT		6	120		FT	5.81	4.69	

* Contact distributor for pricing on quantities larger than those shown.

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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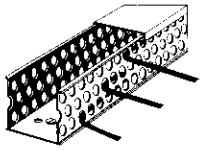
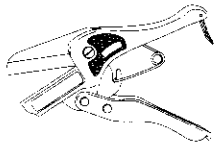
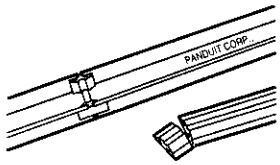


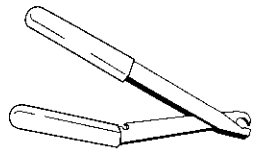
Type D — Round Hole Design



DCT — Duct Cutting Tool



DJS — Duct Joining Strip



DNT-100 Duct Notching Tool

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
D2X3BL6	ROUND HL DUCT, PVC, 2"X3"X6', BLK	60 FT		6	60		FT	$ 7.53	$ 6.08	$
D2X3LG6	ROUND HL DUCT, PVC, 2"X3"X6', LGRY	60 FT		6	60		FT	7.53	6.08	
D2X3WH6	ROUND HL DUCT, PVC, 2"X3"X6', WHT	60 FT		6	60		FT	7.53	6.08	
D2X4BL6	ROUND HL DUCT, PVC, 2"X4"X6', BLK	60 FT		6	60		FT	9.05	7.30	
D2X4LG6	ROUND HL DUCT, PVC, 2"X4"X6', LGRY	60 FT		6	60		FT	9.05	7.30	
D2X4WH6	ROUND HL DUCT, PVC, 2"X4"X6', WHT	60 FT		6	60		FT	9.05	7.30	
D2.5X3BL6	ROUND HL DUCT, PVC, 2.5"X3"X6', BLK	120 FT		6	120		FT	7.88	6.36	
D2.5X3LG6	ROUND HL DUCT, PVC, 2.5"X3"X6', LGRY	120 FT		6	120		FT	7.88	6.36	
D2.5X3WH6	ROUND HL DUCT, PVC, 2.5"X3"X6', WHT	120 FT		6	120		FT	7.88	6.36	
D3H6	DUCT D'V'DER WALL, PVC, 3"H X 6'	120 FT		6	120		FT	3.48	2.81	
D3X1BL6	ROUND HL DUCT, PVC, 3"X1"X6', BLK	120 FT		6	120		FT	5.79	4.67	
D3X1LG6	ROUND HL DUCT, PVC, 3"X1"X6', LGRY	120 FT		6	120		FT	5.79	4.67	
D3X1WH6	ROUND HL DUCT, PVC, 3"X1"X6', WHT	120 FT		6	120		FT	5.79	4.67	
D3X1.25BL6	ROUND HL DUCT, PVC, 3"X1.25"X6', BLK	120 FT		6	120		FT	6.93	5.59	
D3X1.25LG6	ROUND HL DUCT, PVC, 3"X1.25"X6', LGRY	120 FT		6	120		FT	6.93	5.59	
D3X1.25WH6	ROUND HL DUCT, PVC, 3"X1.25"X6', WHT	120 FT		6	120		FT	6.93	5.59	
D3X2BL6	ROUND HL DUCT, PVC, 3"X2"X6', BLK	120 FT		6	120		FT	7.08	5.71	
D3X2LG6	ROUND HL DUCT, PVC, 3"X2"X6', LGRY	120 FT		6	120		FT	7.08	5.71	
D3X2WH6	ROUND HL DUCT, PVC, 3"X2"X6', WHT	120 FT		6	120		FT	7.08	5.71	
D3X3BL6	ROUND HL DUCT, PVC, 3"X3"X6', BLK	60 FT		6	60		FT	8.62	6.96	
D3X3LG6	ROUND HL DUCT, PVC, 3"X3"X6', LGRY	60 FT		6	60		FT	8.62	6.96	
D3X3WH6	ROUND HL DUCT, PVC, 3"X3"X6', WHT	60 FT		6	60		FT	8.62	6.96	
D3X4BL6	ROUND HL DUCT, PVC, 3"X4"X6', BLK	60 FT		6	60		FT	10.47	8.45	
D3X4LG6	ROUND HL DUCT, PVC, 3"X4"X6', LGRY	60 FT		6	60		FT	10.47	8.45	
D3X4WH6	ROUND HL DUCT, PVC, 3"X4"X6', WHT	60 FT		6	60		FT	10.47	8.45	
D4H6	DUCT D'V'DER WALL, PVC, 4"H X 6'	120 FT		6	120		FT	3.94	3.18	
D4X1.5BL6	ROUND HL DUCT, PVC, 4"X1.5"X6', BLK	120 FT		6	120		FT	7.08	5.71	
D4X1.5LG6	ROUND HL DUCT, PVC, 4"X1.5"X6', LGRY	120 FT		6	120		FT	7.08	5.71	
D4X2BL6	ROUND HL DUCT, PVC, 4"X2"X6', BLK	60 FT		6	60		FT	8.10	6.53	
D4X2LG6	ROUND HL DUCT, PVC, 4"X2"X6', LGRY	60 FT		6	60		FT	8.10	6.53	
D4X2WH6	ROUND HL DUCT, PVC, 4"X2"X6', WHT	60 FT		6	60		FT	8.10	6.53	
D4X3BL6	ROUND HL DUCT, PVC, 4"X3"X6', BLK	60 FT		6	60		FT	9.63	7.77	
D4X3LG6	ROUND HL DUCT, PVC, 4"X3"X6', LGRY	60 FT		6	60		FT	9.63	7.77	
D4X3WH6	ROUND HL DUCT, PVC, 4"X3"X6', WHT	60 FT		6	60		FT	9.63	7.77	
D4X4BL6	ROUND HL DUCT, PVC, 4"X4"X6', BLK	60 FT		6	60		FT	11.69	9.43	
D4X4LG6	ROUND HL DUCT, PVC, 4"X4"X6', LGRY	60 FT		6	60		FT	11.69	9.43	
D4X4WH6	ROUND HL DUCT, PVC, 4"X4"X6', WHT	60 FT		6	60		FT	11.69	9.43	
DB-C	DUCT D'V'DER WALL MOUNT'NG BASE, ABS	100 PC	1000	1	100		C	16.42	13.25	
DBM-C	DUCT D'V'DER WALL MOUNT'NG BASE, METR'C, ABS	100 PC	1000	1	100		C	17.21	13.89	
DCT	DUCT CUTT'NG TOOL	1 PC		1	10		PC	86.91	82.57	
DCT-BLD	REPLACEMENT BLADE K'T FOR DCT TOOL	1 PC		1	10		PC	60.27	57.26	
DCT-RI	REPLACEMENT 'NSERT FOR DCT TOOL	5 PC	25	5	25		PC	3.79	3.60	
DFCT	DUCT F'NGER CUTT'NG TOOL	1 PC		1	10		PC	69.69	66.21	
DJS1BL6	DUCT JO'N'NG STR'P, PVC, 6', BLK	120 FT		6	120		FT	2.58	2.07	
DJS1DG6	DUCT JO'N'NG STR'P, PVC, 6', DGRY	120 FT		6	120		FT	2.58	2.07	
DJS1LG6	DUCT JO'N'NG STR'P, PVC, 6', LGRY	120 FT		6	120		FT	2.58	2.07	
DJS1OR6	DUCT JO'N'NG STR'P, PVC, 6', ORN	120 FT		6	120		FT	2.58	2.07	
DJS1WH6	DUCT JO'N'NG STR'P, PVC, 6', WHT	120 FT		6	120		FT	2.58	2.07	
DJSP1LG-Q	DUCT JO'N'NG STR'P, PRE-CUT 1"H, LGRY	25 PC	250	1	25		C	171.93	138.72	
DJSP1.5LG-Q	DUCT JO'N'NG STR'P, PRE-CUT 1.5"H, LGRY	25 PC	250	1	25		C	186.65	150.59	
DJSP2LG-Q	DUCT JO'N'NG STR'P, PRE-CUT 2"H, LGRY	25 PC	250	1	25		C	200.24	161.55	
DJSP3LG-Q	DUCT JO'N'NG STR'P, PRE-CUT 3"H, LGRY	25 PC	250	1	25		C	258.19	208.31	
DJSP4LG-Q	DUCT JO'N'NG STR'P, PRE-CUT 4"H, LGRY	25 PC	250	1	25		C	291.65	235.31	
DNT-100	DUCT NOTCH'NG TOOL	1 PC		1	10		PC	106.75	101.41	
E.5X.5BL6	SLOTTED DUCT, PVC, .5"X.5"X6', BLK	120 FT		6	120		FT	2.94	2.37	

* Contact distributor for pricing on quantities larger than those shown.

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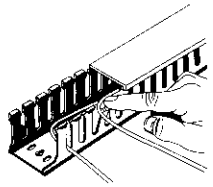

Type E — Snap-In Slot Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
E.5X.5BL6-A	SLOTTED DUCT, PVC, .5"X.5"X6' ADH, BLK	120 FT		6	120		FT	$ 3.78	$ 3.05	$
E.5X.5DG6	SLOTTED DUCT, PVC, .5"X.5"X6', DGRY	120 FT		6	120		FT	2.94	2.37	
E.5X.5DG6-A	SLOTTED DUCT, PVC, .5"X.5"X6' ADH, DGRY	120 FT		6	120		FT	3.78	3.05	
E.5X.5LG6	SLOTTED DUCT, PVC, .5"X.5"X6', LGRY	120 FT		6	120		FT	2.94	2.37	
E.5X.5LG6-A	SLOTTED DUCT, PVC, .5"X.5"X6' ADH, LGRY	120 FT		6	120		FT	3.78	3.05	
E.5X.5WH6	SLOTTED DUCT, PVC, .5"X.5"X6', WHT	120 FT		6	120		FT	2.94	2.37	
E.5X.5WH6-A	SLOTTED DUCT, PVC, .5"X.5"X6' ADH, WHT	120 FT		6	120		FT	3.78	3.05	
E.5X.62DG6	SLOTTED DUCT, PVC, .5"X.62"X6', DGRY	120 FT		6	120		FT	3.12	2.51	
E.5X.62LG6	SLOTTED DUCT, PVC, .5"X.62"X6', LGRY	120 FT		6	120		FT	3.12	2.51	
E.5X.62LG6-A	SLOTTED DUCT, PVC, .5"X.62"X6' ADH, LGRY	120 FT		6	120		FT	3.91	3.15	
E.5X.62WH6	SLOTTED DUCT, PVC, .5"X.62"X6', WHT	120 FT		6	120		FT	3.12	2.51	
E.5X1DG6	SLOTTED DUCT, PVC, .5"X1"X6', DGRY	120 FT		6	120		FT	3.47	2.80	
E.5X1LG6	SLOTTED DUCT, PVC, .5"X1"X6', LGRY	120 FT		6	120		FT	3.47	2.80	
E.5X1LG6-A	SLOTTED DUCT, PVC, .5"X1"X6' ADH, LGRY	120 FT		6	120		FT	4.24	3.42	
E.5X1WH6	SLOTTED DUCT, PVC, .5"X1"X6', WHT	120 FT		6	120		FT	3.47	2.80	
E.5X1.25DG6	SLOTTED DUCT, PVC, .5"X1.25"X6', DGRY	120 FT		6	120		FT	3.91	3.15	
E.5X1.25LG6	SLOTTED DUCT, PVC, .5"X1.25"X6', LGRY	120 FT		6	120		FT	3.91	3.15	
E.5X1.25LG6-A	SLOTTED DUCT, PVC, .5"X1.25"X6' ADH, LGRY	120 FT		6	120		FT	4.82	3.89	
E.5X1.25WH6	SLOTTED DUCT, PVC, .5"X1.25"X6', WHT	120 FT		6	120		FT	3.91	3.15	
E.5X1.75LG6	SLOTTED DUCT, PVC, .5"X1.75"X6', LGRY	120 FT		6	120		FT	4.52	3.65	
E.5X1.75LG6-A	SLOTTED DUCT, PVC, .5"X1.75"X6' ADH, LGRY	120 FT		6	120		FT	5.40	4.36	
E.5X1.75WH6	SLOTTED DUCT, PVC, .5"X1.75"X6', WHT	120 FT		6	120		FT	4.58	3.69	
E.5X2DG6	SLOTTED DUCT, PVC, .5"X2"X6', DGRY	120 FT		6	120		FT	5.07	4.09	
E.5X2LG6	SLOTTED DUCT, PVC, .5"X2"X6', LGRY	120 FT		6	120		FT	5.07	4.09	
E.5X2LG6-A	SLOTTED DUCT, PVC, .5"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.84	4.71	
E.5X2WH6	SLOTTED DUCT, PVC, .5"X2"X6', WHT	120 FT		6	120		FT	5.07	4.09	
E.5X2WH6-A	SLOTTED DUCT, PVC, .5"X2"X6' ADH, WHT	120 FT		6	120		FT	5.84	4.71	
E.75X.75BL6	SLOTTED DUCT, PVC, .75"X.75"X6', BLK	120 FT		6	120		FT	3.52	2.84	
E.75X.75BL6-A	SLOTTED DUCT, PVC, .75"X.75"X6' ADH, BLK	120 FT		6	120		FT	4.31	3.48	
E.75X.75DG6	SLOTTED DUCT, PVC, .75"X.75"X6', DGRY	120 FT		6	120		FT	3.52	2.84	
E.75X.75LG6	SLOTTED DUCT, PVC, .75"X.75"X6', LGRY	120 FT		6	120		FT	3.52	2.84	
E.75X.75LG6-A	SLOTTED DUCT, PVC, .75"X.75"X6' ADH, LGRY	120 FT		6	120		FT	4.31	3.48	
E.75X.75WH6	SLOTTED DUCT, PVC, .75"X.75"X6', WHT	120 FT		6	120		FT	3.52	2.84	
E.75X.75WH6-A	SLOTTED DUCT, PVC, .75"X.75"X6' ADH, WHT	120 FT		6	120		FT	4.31	3.48	
E.75X1BL6	SLOTTED DUCT, PVC, .75"X1"X6', BLK	120 FT		6	120		FT	3.66	2.95	
E.75X1LG6	SLOTTED DUCT, PVC, .75"X1"X6', LGRY	120 FT		6	120		FT	3.66	2.95	
E.75X1LG6-A	SLOTTED DUCT, PVC, .75"X1"X6' ADH, LGRY	120 FT		6	120		FT	4.40	3.55	
E.75X1WH6	SLOTTED DUCT, PVC, .75"X1"X6', WHT	120 FT		6	120		FT	3.66	2.95	
E.75X1WH6-A	SLOTTED DUCT, PVC, .75"X1"X6' ADH, WHT	120 FT		6	120		FT	4.40	3.55	
E.75X1.5BL6	SLOTTED DUCT, PVC, .75"X1.5"X6', BLK	120 FT		6	120		FT	4.52	3.65	
E.75X1.5DG6	SLOTTED DUCT, PVC, .75"X1.5"X6', DGRY	120 FT		6	120		FT	4.52	3.65	
E.75X1.5DG6-A	SLOTTED DUCT, PVC, .75"X1.5"X6' ADH, DGRY	120 FT		6	120		FT	5.32	4.29	
E.75X1.5LG6	SLOTTED DUCT, PVC, .75"X1.5"X6', LGRY	120 FT		6	120		FT	4.52	3.65	
E.75X1.5LG6-A	SLOTTED DUCT, PVC, .75"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	5.32	4.29	
E.75X1.5WH6	SLOTTED DUCT, PVC, .75"X1.5"X6', WHT	120 FT		6	120		FT	4.52	3.65	
E.75X1.5WH6-A	SLOTTED DUCT, PVC, .75"X1.5"X6' ADH, WHT	120 FT		6	120		FT	5.32	4.29	
E.75X2DG6	SLOTTED DUCT, PVC, .75"X2"X6', DGRY	120 FT		6	120		FT	5.37	4.33	
E.75X2LG6	SLOTTED DUCT, PVC, .75"X2"X6', LGRY	120 FT		6	120		FT	5.37	4.33	
E.75X2WH6	SLOTTED DUCT, PVC, .75"X2"X6', WHT	120 FT		6	120		FT	5.37	4.33	
E.75X2WH6-A	SLOTTED DUCT, PVC, .75"X2"X6' ADH, WHT	120 FT		6	120		FT	6.32	5.10	
E1X1BL6	SLOTTED DUCT, PVC, 1"X1"X6', BLK	120 FT		6	120		FT	3.60	2.92	
E1X1BL6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, BLK	120 FT		6	120		FT	4.41	3.58	
E1X1DG6	SLOTTED DUCT, PVC, 1"X1"X6', DGRY	120 FT		6	120		FT	3.60	2.92	
E1X1DG6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, DGRY	120 FT		6	120		FT	4.41	3.58	
E1X1IB6	SLOTTED DUCT, PVC, 1"X1"X6', 'BLU	120 FT		6	120		FT	3.97	3.22	

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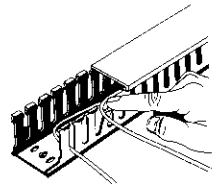

Type E — Snap-In Slot Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
E1X1IB6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, 'BLU	120 FT		6	120		FT	$ 4.85	$ 3.93	$
E1X1LG6	SLOTTED DUCT, PVC, 1"X1"X6', LGRY	120 FT		6	120		FT	3.60	2.92	
E1X1WH6	SLOTTED DUCT, PVC, 1"X1"X6', WHT	120 FT		6	120		FT	3.60	2.92	
E1X1WH6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, WHT	120 FT		6	120		FT	4.41	3.58	
E1X1.25DG6	SLOTTED DUCT, PVC, 1"X1.25"X6', DGRY	120 FT		6	120		FT	4.45	3.59	
E1X1.25LG6	SLOTTED DUCT, PVC, 1"X1.25"X6', LGRY	120 FT		6	120		FT	4.45	3.59	
E1X1.25LG6-A	SLOTTED DUCT, PVC,1"X1.25"X6' ADH, LGRY	120 FT		6	120		FT	5.19	4.19	
E1X1.25WH6	SLOTTED DUCT, PVC, 1"X1.25"X6', WHT	120 FT		6	120		FT	4.45	3.59	
E1X1.5BL6	SLOTTED DUCT, PVC, 1"X1.5"X6', BLK	120 FT		6	120		FT	4.50	3.64	
E1X1.5BL6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, BLK	120 FT		6	120		FT	5.29	4.29	
E1X1.5DG6	SLOTTED DUCT, PVC, 1"X1.5"X6', DGRY	120 FT		6	120		FT	4.50	3.64	
E1X1.5DG6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, DGRY	120 FT		6	120		FT	5.29	4.29	
E1X1.5LG6	SLOTTED DUCT, PVC, 1"X1.5"X6', LGRY	120 FT		6	120		FT	4.50	3.64	
E1X1.5LG6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	5.29	4.29	
E1X1.5WH6	SLOTTED DUCT, PVC, 1"X1.5"X6', WHT	120 FT		6	120		FT	4.50	3.64	
E1X1.5WH6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, WHT	120 FT		6	120		FT	5.29	4.29	
E1X2BL6	SLOTTED DUCT, PVC, 1"X2"X6', BLK	120 FT		6	120		FT	4.88	3.96	
E1X2BL6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, BLK	120 FT		6	120		FT	5.70	4.62	
E1X2DG6	SLOTTED DUCT, PVC, 1"X2"X6', DGRY	120 FT		6	120		FT	4.88	3.96	
E1X2IB6	SLOTTED DUCT, PVC, 1"X2"X6', 'BLU	120 FT		6	120		FT	5.39	4.37	
E1X2LG6	SLOTTED DUCT, PVC, 1"X2"X6', LGRY	120 FT		6	120		FT	4.88	3.96	
E1X2LG6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.70	4.62	
E1X2WH6	SLOTTED DUCT, PVC, 1"X2"X6', WHT	120 FT		6	120		FT	4.88	3.96	
E1X2WH6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, WHT	120 FT		6	120		FT	5.70	4.62	
E1X2.5LG6	SLOTTED DUCT, PVC, 1"X2.5"X6', LGRY	120 FT		6	120		FT	5.97	4.84	
E1X2.5WH6	SLOTTED DUCT, PVC, 1"X2.5"X6', WHT	120 FT		6	120		FT	5.97	4.84	
E1X3BL6	SLOTTED DUCT, PVC, 1"X3"X6', BLK	120 FT		6	120		FT	6.39	5.18	
E1X3DG6	SLOTTED DUCT, PVC, 1"X3"X6', DGRY	120 FT		6	120		FT	6.39	5.18	
E1X3LG6	SLOTTED DUCT, PVC, 1"X3"X6', LGRY	120 FT		6	120		FT	6.39	5.18	
E1X3LG6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, LGRY	120 FT		6	120		FT	7.22	5.85	
E1X3WH6	SLOTTED DUCT, PVC, 1"X3"X6', WHT	120 FT		6	120		FT	6.39	5.18	
E1X3WH6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, WHT	120 FT		6	120		FT	7.22	5.85	
E1X4BL6	SLOTTED DUCT, PVC, 1"X4"X6', BLK	60 FT		6	60		FT	7.82	6.34	
E1X4BL6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, BLK	60 FT		6	60		FT	8.67	7.03	
E1X4DG6	SLOTTED DUCT, PVC, 1"X4"X6', DGRY	60 FT		6	60		FT	7.82	6.34	
E1X4LG6	SLOTTED DUCT, PVC, 1"X4"X6', LGRY	60 FT		6	60		FT	7.82	6.34	
E1X4LG6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, LGRY	60 FT		6	60		FT	8.67	7.03	
E1X4WH6	SLOTTED DUCT, PVC, 1"X4"X6', WHT	60 FT		6	60		FT	7.82	6.34	
E1X4WH6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, WHT	60 FT		6	60		FT	8.67	7.03	
E1.5X1DG6	SLOTTED DUCT, PVC, 1.5"X1"X6', DGRY	120 FT		6	120		FT	4.26	3.44	
E1.5X1DG6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, DGRY	120 FT		6	120		FT	5.14	4.15	
E1.5X1LG6	SLOTTED DUCT, PVC, 1.5"X1"X6', LGRY	120 FT		6	120		FT	4.26	3.44	
E1.5X1LG6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, LGRY	120 FT		6	120		FT	5.14	4.15	
E1.5X1WH6	SLOTTED DUCT, PVC, 1.5"X1"X6', WHT	120 FT		6	120		FT	4.26	3.44	
E1.5X1WH6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, WHT	120 FT		6	120		FT	5.14	4.15	
E1.5X1.5BL6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', BLK	120 FT		6	120		FT	4.88	3.96	
E1.5X1.5BL6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, BLK	120 FT		6	120		FT	5.70	4.62	
E1.5X1.5DG6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', DGRY	120 FT		6	120		FT	4.88	3.96	
E1.5X1.5LG6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', LGRY	120 FT		6	120		FT	4.88	3.96	
E1.5X1.5LG6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	5.70	4.62	
E1.5X1.5WH6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', WHT	120 FT		6	120		FT	4.88	3.96	
E1.5X1.5WH6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, WHT	120 FT		6	120		FT	5.70	4.62	
E1.5X2BL6	SLOTTED DUCT, PVC, 1.5"X2"X6', BLK	120 FT		6	120		FT	5.34	4.33	
E1.5X2DG6	SLOTTED DUCT, PVC, 1.5"X2"X6', DGRY	120 FT		6	120		FT	5.34	4.33	
E1.5X2LG6	SLOTTED DUCT, PVC, 1.5"X2"X6', LGRY	120 FT		6	120		FT	5.34	4.33	

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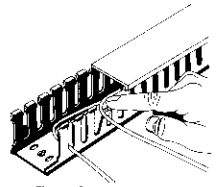
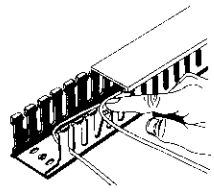


Type E — Snap-In Slot Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
E1.5X2LG6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, LGRY	120 FT		6	120		FT	$ 6.15	$ 4.99	$
E1.5X2WH6	SLOTTED DUCT, PVC, 1.5"X2"X6', WHT	120 FT		6	120		FT	5.34	4.33	
E1.5X2WH6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, WHT	120 FT		6	120		FT	6.15	4.99	
E1.5X3BL6	SLOTTED DUCT, PVC, 1.5"X3"X6', BLK	120 FT		6	120		FT	6.78	5.49	
E1.5X3BL6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, BLK	120 FT		6	120		FT	7.54	6.11	
E1.5X3DG6	SLOTTED DUCT, PVC, 1.5"X3"X6', DGRY	120 FT		6	120		FT	6.78	5.49	
E1.5X3DG6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, DGRY	120 FT		6	120		FT	7.54	6.11	
E1.5X3LG6	SLOTTED DUCT, PVC, 1.5"X3"X6', LGRY	120 FT		6	120		FT	6.78	5.49	
E1.5X3LG6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, LGRY	120 FT		6	120		FT	7.54	6.11	
E1.5X3WH6	SLOTTED DUCT, PVC, 1.5"X3"X6', WHT	120 FT		6	120		FT	6.78	5.49	
E1.5X3WH6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, WHT	120 FT		6	120		FT	7.54	6.11	
E1.5X4BL6	SLOTTED DUCT, PVC, 1.5"X4"X6', BLK	60 FT		6	60		FT	8.32	6.72	
E1.5X4DG6	SLOTTED DUCT, PVC, 1.5"X4"X6', DGRY	60 FT		6	60		FT	8.32	6.72	
E1.5X4LG6	SLOTTED DUCT, PVC, 1.5"X4"X6', LGRY	60 FT		6	60		FT	8.32	6.72	
E1.5X4LG6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, LGRY	60 FT		6	60		FT	9.28	7.48	
E1.5X4WH6	SLOTTED DUCT, PVC, 1.5"X4"X6', WHT	60 FT		6	60		FT	8.32	6.72	
E1.5X4WH6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, WHT	60 FT		6	60		FT	9.28	7.48	
E2X1BL6	SLOTTED DUCT, PVC, 2"X1"X6', BLK	120 FT		6	120		FT	4.96	4.00	
E2X1DG6	SLOTTED DUCT, PVC, 2"X1"X6', DGRY	120 FT		6	120		FT	4.96	4.00	
E2X1DG6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, DGRY	120 FT		6	120		FT	6.07	4.90	
E2X1LG6	SLOTTED DUCT, PVC, 2"X1"X6', LGRY	120 FT		6	120		FT	4.96	4.00	
E2X1LG6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, LGRY	120 FT		6	120		FT	6.07	4.90	
E2X1WH6	SLOTTED DUCT, PVC, 2"X1"X6', WHT	120 FT		6	120		FT	4.96	4.00	
E2X1.5DG6	SLOTTED DUCT, PVC, 2"X1.5"X6', DGRY	120 FT		6	120		FT	5.37	4.33	
E2X1.5LG6	SLOTTED DUCT, PVC, 2"X1.5"X6', LGRY	120 FT		6	120		FT	5.37	4.33	
E2X1.5LG6-A	SLOTTED DUCT, PVC,2"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	6.42	5.18	
E2X1.5WH6	SLOTTED DUCT, PVC, 2"X1.5"X6', WHT	120 FT		6	120		FT	5.37	4.33	
E2X1.5WH6-A	SLOTTED DUCT, PVC,2"X1.5"X6' ADH, WHT	120 FT		6	120		FT	6.42	5.18	
E2X2BL6	SLOTTED DUCT, PVC, 2"X2"X6', BLK	120 FT		6	120		FT	5.37	4.36	
E2X2BL6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, BLK	120 FT		6	120		FT	6.47	5.25	
E2X2DG6	SLOTTED DUCT, PVC, 2"X2"X6', DGRY	120 FT		6	120		FT	5.37	4.36	
E2X2DG6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, DGRY	120 FT		6	120		FT	6.47	5.25	
E2X2IB6	SLOTTED DUCT, PVC, 2"X2"X6', 'BLU	120 FT		6	120		FT	5.88	4.77	
E2X2IB6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, 'BLU	120 FT		6	120		FT	7.10	5.75	
E2X2LG6	SLOTTED DUCT, PVC, 2"X2"X6', LGRY	120 FT		6	120		FT	5.37	4.36	
E2X2LG6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, LGRY	120 FT		6	120		FT	6.47	5.25	
E2X2OR6	SLOTTED DUCT, PVC, 2"X2"X6', OR	120 FT		6	120		FT	4.83	3.92	
E2X2WH6	SLOTTED DUCT, PVC, 2"X2"X6', WHT	120 FT		6	120		FT	5.37	4.36	
E2X2WH6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, WHT	120 FT		6	120		FT	6.47	5.25	
E2X2YL6	SLOTTED DUCT, PVC, 2"X2"X6', YL	120 FT		6	120		FT	4.83	3.92	
E2X2.5DG6	SLOTTED DUCT, PVC, 2"X2.5"X6', DGRY	60 FT		6	60		FT	6.86	5.54	
E2X2.5LG6	SLOTTED DUCT, PVC, 2"X2.5"X6', LGRY	60 FT		6	60		FT	6.86	5.54	
E2X2.5LG6-A	SLOTTED DUCT, PVC,2"X2.5"X6' ADH, LGRY	60 FT		6	60		FT	7.99	6.45	
E2X2.5WH6	SLOTTED DUCT, PVC, 2"X2.5"X6', WHT	60 FT		6	60		FT	6.86	5.54	
E2X3BL6	SLOTTED DUCT, PVC, 2"X3"X6', BLK	60 FT		6	60		FT	6.96	5.64	
E2X3BL6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, BLK	60 FT		6	60		FT	8.04	6.52	
E2X3DG6	SLOTTED DUCT, PVC, 2"X3"X6', DGRY	60 FT		6	60		FT	6.96	5.64	
E2X3DG6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, DGRY	60 FT		6	60		FT	8.04	6.52	
E2X3IB6	SLOTTED DUCT, PVC, 2"X3"X6', 'BLU	60 FT		6	60		FT	7.62	6.18	
E2X3LG6	SLOTTED DUCT, PVC, 2"X3"X6', LGRY	60 FT		6	60		FT	6.96	5.64	
E2X3LG6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, LGRY	60 FT		6	60		FT	8.04	6.52	
E2X3WH6	SLOTTED DUCT, PVC, 2"X3"X6', WHT	60 FT		6	60		FT	6.96	5.64	
E2X3WH6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, WHT	60 FT		6	60		FT	8.04	6.52	
E2X4BL6	SLOTTED DUCT, PVC, 2"X4"X6', BLK	60 FT		6	60		FT	8.42	6.82	
E2X4DG6	SLOTTED DUCT, PVC, 2"X4"X6', DGRY	60 FT		6	60		FT	8.42	6.82	

* Contact distributor for pricing on quantities larger than those shown.

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



Type E — Snap-In Slot Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
E2X4LG6	SLOTTED DUCT, PVC, 2"X4"X6', LGRY	60 FT		6	60		FT	$ 8.42	$ 6.82	$
E2X4LG6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, LGRY	60 FT		6	60		FT	9.50	7.70	
E2X4WH6	SLOTTED DUCT, PVC, 2"X4"X6', WHT	60 FT		6	60		FT	8.42	6.82	
E2X4WH6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, WHT	60 FT		6	60		FT	9.50	7.70	
E2X5DG6	SLOTTED DUCT, PVC, 2"X5"X6', DGRY	60 FT		6	60		FT	11.83	9.54	
E2X5LG6	SLOTTED DUCT, PVC, 2"X5"X6', LGRY	60 FT		6	60		FT	11.83	9.54	
E2X5LG6-A	SLOTTED DUCT, PVC,2"X5"X6' ADH, LGRY	60 FT		6	60		FT	13.13	10.59	
E2X5WH6	SLOTTED DUCT, PVC, 2"X5"X6', WHT	60 FT		6	60		FT	11.83	9.54	
E2.5X3BL6	SLOTTED DUCT, PVC, 2.5"X3"X6', BLK	120 FT		6	120		FT	7.59	6.12	
E2.5X3BL6-A	SLOTTED DUCT, PVC,2.5"X3"X6' ADH, BLK	120 FT		6	120		FT	8.71	7.03	
E2.5X3DG6	SLOTTED DUCT, PVC, 2.5"X3"X6', DGRY	120 FT		6	120		FT	7.59	6.12	
E2.5X3LG6	SLOTTED DUCT, PVC, 2.5"X3"X6', LGRY	120 FT		6	120		FT	7.59	6.12	
E2.5X3LG6-A	SLOTTED DUCT, PVC,2.5"X3"X6' ADH, LGRY	120 FT		6	120		FT	8.71	7.03	
E2.5X3WH6	SLOTTED DUCT, PVC, 2.5"X3"X6', WHT	120 FT		6	120		FT	7.59	6.12	
E3X1BL6	SLOTTED DUCT, PVC, 3"X1"X6', BLK	120 FT		6	120		FT	5.56	4.49	
E3X1DG6	SLOTTED DUCT, PVC, 3"X1"X6', DGRY	120 FT		6	120		FT	5.56	4.49	
E3X1LG6	SLOTTED DUCT, PVC, 3"X1"X6', LGRY	120 FT		6	120		FT	5.56	4.49	
E3X1LG6-A	SLOTTED DUCT, PVC,3"X1"X6' ADH, LGRY	120 FT		6	120		FT	6.71	5.41	
E3X1WH6	SLOTTED DUCT, PVC, 3"X1"X6', WHT	120 FT		6	120		FT	5.56	4.49	
E3X1.25BL6	SLOTTED DUCT, PVC, 3"X1.25"X6', BLK	120 FT		6	120		FT	6.65	5.37	
E3X1.25DG6	SLOTTED DUCT, PVC, 3"X1.25"X6', DGRY	120 FT		6	120		FT	6.65	5.37	
E3X1.25LG6	SLOTTED DUCT, PVC, 3"X1.25"X6', LGRY	120 FT		6	120		FT	6.65	5.37	
E3X2BL6	SLOTTED DUCT, PVC, 3"X2"X6', BLK	120 FT		6	120		FT	6.51	5.27	
E3X2BL6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, BLK	120 FT		6	120		FT	7.61	6.17	
E3X2DG6	SLOTTED DUCT, PVC, 3"X2"X6', DGRY	120 FT		6	120		FT	6.51	5.27	
E3X2LG6	SLOTTED DUCT, PVC, 3"X2"X6', LGRY	120 FT		6	120		FT	6.51	5.27	
E3X2LG6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, LGRY	120 FT		6	120		FT	7.61	6.17	
E3X2WH6	SLOTTED DUCT, PVC, 3"X2"X6', WHT	120 FT		6	120		FT	6.51	5.27	
E3X3BL6	SLOTTED DUCT, PVC, 3"X3"X6', BLK	60 FT		6	60		FT	7.99	6.48	
E3X3BL6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, BLK	60 FT		6	60		FT	9.11	7.38	
E3X3DG6	SLOTTED DUCT, PVC, 3"X3"X6', DGRY	60 FT		6	60		FT	7.99	6.48	
E3X3IB6	SLOTTED DUCT, PVC, 3"X3"X6', 'BLU	60 FT		6	60		FT	8.86	7.18	
E3X3LG6	SLOTTED DUCT, PVC, 3"X3"X6', LGRY	60 FT		6	60		FT	7.99	6.48	
E3X3LG6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, LGRY	60 FT		6	60		FT	9.11	7.38	
E3X3WH6	SLOTTED DUCT, PVC, 3"X3"X6', WHT	60 FT		6	60		FT	7.99	6.48	
E3X3WH6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, WHT	60 FT		6	60		FT	9.11	7.38	
E3X4BL6	SLOTTED DUCT, PVC, 3"X4"X6', BLK	60 FT		6	60		FT	9.65	7.82	
E3X4DG6	SLOTTED DUCT, PVC, 3"X4"X6', DGRY	60 FT		6	60		FT	9.65	7.82	
E3X4DG6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, DGRY	60 FT		6	60		FT	11.04	8.95	
E3X4LG6	SLOTTED DUCT, PVC, 3"X4"X6', LGRY	60 FT		6	60		FT	9.65	7.82	
E3X4LG6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, LGRY	60 FT		6	60		FT	11.04	8.95	
E3X4WH6	SLOTTED DUCT, PVC, 3"X4"X6', WHT	60 FT		6	60		FT	9.65	7.82	
E3X4WH6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, WHT	60 FT		6	60		FT	11.04	8.95	
E3X5DG6	SLOTTED DUCT, PVC, 3"X5"X6', DGRY	60 FT		6	60		FT	13.27	10.71	
E3X5LG6	SLOTTED DUCT, PVC, 3"X5"X6', LGRY	60 FT		6	60		FT	13.27	10.71	
E3X5LG6-A	SLOTTED DUCT, PVC,3"X5"X6' ADH, LGRY	60 FT		6	60		FT	14.71	11.87	
E3X5WH6	SLOTTED DUCT, PVC, 3"X5"X6', WHT	60 FT		6	60		FT	13.27	10.71	
E4X1.5BL6	SLOTTED DUCT, PVC, 4"X1.5"X6', BLK	120 FT		6	120		FT	6.81	5.50	
E4X1.5DG6	SLOTTED DUCT, PVC, 4"X1.5"X6', DGRY	120 FT		6	120		FT	6.81	5.50	
E4X1.5LG6	SLOTTED DUCT, PVC, 4"X1.5"X6', LGRY	120 FT		6	120		FT	6.81	5.50	
E4X1.5WH6	SLOTTED DUCT, PVC, 4"X1.5"X6', WHT	120 FT		6	120		FT	6.81	5.50	
E4X2BL6	SLOTTED DUCT, PVC, 4"X2"X6', BLK	60 FT		6	60		FT	7.78	6.28	
E4X2DG6	SLOTTED DUCT, PVC, 4"X2"X6', DGRY	60 FT		6	60		FT	7.78	6.28	
E4X2LG6	SLOTTED DUCT, PVC, 4"X2"X6', LGRY	60 FT		6	60		FT	7.78	6.28	
E4X2LG6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, LGRY	60 FT		6	60		FT	8.96	7.23	

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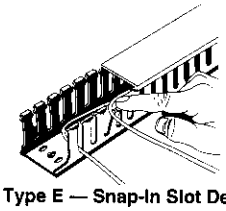
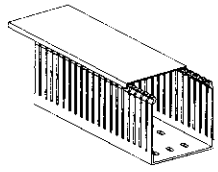


Type E — Snap-In Slot Design



Type F — Flush Cover, Narrow Finger, Slotted Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
E4X2WH6	SLOTTED DUCT, PVC, 4"X2"X6', WHT	60 FT		6	60		FT	$ 7.78	$ 6.28	$
E4X2WH6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, WHT	60 FT		6	60		FT	8.96	7.23	
E4X3BL6	SLOTTED DUCT, PVC, 4"X3"X6', BLK	60 FT		6	60		FT	9.24	7.46	
E4X3DG6	SLOTTED DUCT, PVC, 4"X3"X6', DGRY	60 FT		6	60		FT	9.24	7.46	
E4X3LG6	SLOTTED DUCT, PVC, 4"X3"X6', LGRY	60 FT		6	60		FT	9.24	7.46	
E4X3LG6-A	SLOTTED DUCT, PVC,4"X3"X6' ADH, LGRY	60 FT		6	60		FT	10.38	8.38	
E4X3WH6	SLOTTED DUCT, PVC, 4"X3"X6', WHT	60 FT		6	60		FT	9.24	7.46	
E4X4BL6	SLOTTED DUCT, PVC, 4"X4"X6', BLK	60 FT		6	60		FT	10.82	8.77	
E4X4BL6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, BLK	60 FT		6	60		FT	12.17	9.86	
E4X4DG6	SLOTTED DUCT, PVC, 4"X4"X6', DGRY	60 FT		6	60		FT	10.82	8.77	
E4X4IB6	SLOTTED DUCT, PVC, 4"X4"X6', 'BLU	60 FT		6	60		FT	11.86	9.62	
E4X4LG6	SLOTTED DUCT, PVC, 4"X4"X6', LGRY	60 FT		6	60		FT	10.82	8.77	
E4X4OR6	SLOTTED DUCT, PVC, 4"X4"X6', OR	60 FT		6	60		FT	10.11	8.19	
E4X4WH6	SLOTTED DUCT, PVC, 4"X4"X6', WHT	60 FT		6	60		FT	10.82	8.77	
E4X4WH6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, WHT	60 FT		6	60		FT	12.17	9.86	
E4X4YL6	SLOTTED DUCT, PVC, 4"X4"X6', YL	60 FT		6	60		FT	10.11	8.19	
E4X5DG6	SLOTTED DUCT, PVC, 4"X5"X6', DGRY	60 FT		6	60		FT	15.11	12.25	
E4X5DG6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, DGRY	60 FT		6	60		FT	16.63	13.48	
E4X5LG6	SLOTTED DUCT, PVC, 4"X5"X6', LGRY	60 FT		6	60		FT	15.11	12.25	
E4X5LG6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, LGRY	60 FT		6	60		FT	16.63	13.48	
E4X5WH6	SLOTTED DUCT, PVC, 4"X5"X6', WHT	60 FT		6	60		FT	15.11	12.25	
E4X5WH6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, WHT	60 FT		6	60		FT	16.63	13.48	
F.5X.5LG6	SLOTTED DUCT, PVC, .5"X.5"X6', LGRY	120 FT		6	120		FT	2.73	2.20	
F.5X.5LG6-A	SLOTTED DUCT, PVC,.5"X.5"X6' ADH, LGRY	120 FT		6	120		FT	3.48	2.81	
F.5X.5WH6	SLOTTED DUCT, PVC, .5"X.5"X6', WHT	120 FT		6	120		FT	2.73	2.20	
F.5X.5WH6-A	SLOTTED DUCT, PVC,.5"X.5"X6' ADH, WHT	120 FT		6	120		FT	3.48	2.81	
F.5X1LG6	SLOTTED DUCT, PVC, .5"X1"X6', LGRY	120 FT		6	120		FT	3.20	2.58	
F.5X1LG6-A	SLOTTED DUCT, PVC,.5"X1"X6' ADH, LGRY	120 FT		6	120		FT	3.94	3.18	
F.5X1WH6	SLOTTED DUCT, PVC, .5"X1"X6', WHT	120 FT		6	120		FT	3.20	2.58	
F.5X1WH6-A	SLOTTED DUCT, PVC,.5"X1"X6' ADH, WHT	120 FT		6	120		FT	3.94	3.18	
F.75X.75LG6	SLOTTED DUCT, PVC, .75"X.75"X6', LGRY	120 FT		6	120		FT	3.24	2.61	
F.75X.75LG6-A	SLOTTED DUCT, PVC,.75"X.75"X6' ADH, LGRY	120 FT		6	120		FT	4.01	3.24	
F.75X.75WH6	SLOTTED DUCT, PVC, .75"X.75"X6', WHT	120 FT		6	120		FT	3.24	2.61	
F.75X.75WH6-A	SLOTTED DUCT, PVC,.75"X.75"X6' ADH, WHT	120 FT		6	120		FT	4.01	3.24	
F.75X1.5LG6	SLOTTED DUCT, PVC, .75"X1.5"X6', LGRY	120 FT		6	120		FT	4.19	3.38	
F.75X1.5LG6-A	SLOTTED DUCT, PVC,.75"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	4.91	3.96	
F.75X1.5WH6	SLOTTED DUCT, PVC, .75"X1.5"X6', WHT	120 FT		6	120		FT	4.19	3.38	
F.75X1.5WH6-A	SLOTTED DUCT, PVC,.75"X1.5"X6' ADH, WHT	120 FT		6	120		FT	4.91	3.96	
F1-C	DUCT STUD TYPE FASTENER FOR 1"H DUCT	100 PC		1	100		C	293.46	235.41	
F1X1LG6	SLOTTED DUCT, PVC, 1"X1"X6', LGRY	120 FT		6	120		FT	3.33	2.70	
F1X1LG6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, LGRY	120 FT		6	120		FT	4.09	3.32	
F1X1WH6	SLOTTED DUCT, PVC, 1"X1"X6', WHT	120 FT		6	120		FT	3.33	2.70	
F1X1WH6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, WHT	120 FT		6	120		FT	4.09	3.32	
F1X1.5LG6	SLOTTED DUCT, PVC, 1"X1.5"X6', LGRY	120 FT		6	120		FT	4.17	3.38	
F1X1.5LG6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	4.90	3.97	
F1X1.5WH6	SLOTTED DUCT, PVC, 1"X1.5"X6', WHT	120 FT		6	120		FT	4.17	3.38	
F1X1.5WH6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, WHT	120 FT		6	120		FT	4.90	3.97	
F1X2LG6	SLOTTED DUCT, PVC, 1"X2"X6', LGRY	120 FT		6	120		FT	4.53	3.67	
F1X2LG6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.27	4.27	
F1X2WH6	SLOTTED DUCT, PVC, 1"X2"X6', WHT	120 FT		6	120		FT	4.53	3.67	
F1X2WH6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, WHT	120 FT		6	120		FT	5.27	4.27	
F1X3LG6	SLOTTED DUCT, PVC, 1"X3"X6', LGRY	120 FT		6	120		FT	5.90	4.78	
F1X3LG6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, LGRY	120 FT		6	120		FT	6.71	5.44	
F1X3WH6	SLOTTED DUCT, PVC, 1"X3"X6', WHT	120 FT		6	120		FT	5.90	4.78	
F1X3WH6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, WHT	120 FT		6	120		FT	6.71	5.44	

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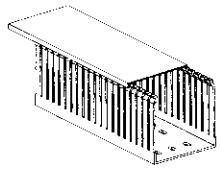
All prices subject to change without notice.



Type F — Flush Cover, Narrow Finger, Slotted Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
F1X4LG6	SLOTTED DUCT, PVC, 1"X4"X6', LGRY	60 FT		6	60		FT	$ 7.23	$ 5.86	$
F1X4LG6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, LGRY	60 FT		6	60		FT	8.04	6.52	
F1X4WH6	SLOTTED DUCT, PVC, 1"X4"X6', WHT	60 FT		6	60		FT	7.23	5.86	
F1X4WH6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, WHT	60 FT		6	60		FT	8.04	6.52	
F1.5-C	DUCT STUD TYPE FASTENER FOR 1.5"H DUCT	100 PC		1	100		C	316.52	253.91	
F1.5X1LG6	SLOTTED DUCT, PVC, 1.5"X1"X6', LGRY	120 FT		6	120		FT	3.96	3.20	
F1.5X1LG6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, LGRY	120 FT		6	120		FT	4.77	3.85	
F1.5X1WH6	SLOTTED DUCT, PVC, 1.5"X1"X6', WHT	120 FT		6	120		FT	3.96	3.20	
F1.5X1WH6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, WHT	120 FT		6	120		FT	4.77	3.85	
F1.5X1.5LG6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', LGRY	120 FT		6	120		FT	4.53	3.67	
F1.5X1.5LG6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	5.27	4.27	
F1.5X1.5WH6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', WHT	120 FT		6	120		FT	4.53	3.67	
F1.5X1.5WH6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, WHT	120 FT		6	120		FT	5.27	4.27	
F1.5X2LG6	SLOTTED DUCT, PVC, 1.5"X2"X6', LGRY	120 FT		6	120		FT	4.95	4.01	
F1.5X2LG6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.70	4.62	
F1.5X2WH6	SLOTTED DUCT, PVC, 1.5"X2"X6', WHT	120 FT		6	120		FT	4.95	4.01	
F1.5X2WH6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, WHT	120 FT		6	120		FT	5.70	4.62	
F1.5X3LG6	SLOTTED DUCT, PVC, 1.5"X3"X6', LGRY	120 FT		6	120		FT	6.29	5.10	
F1.5X3LG6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, LGRY	120 FT		6	120		FT	6.98	5.66	
F1.5X3WH6	SLOTTED DUCT, PVC, 1.5"X3"X6', WHT	120 FT		6	120		FT	6.29	5.10	
F1.5X3WH6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, WHT	120 FT		6	120		FT	6.98	5.66	
F1.5X4LG6	SLOTTED DUCT, PVC, 1.5"X4"X6', LGRY	60 FT		6	60		FT	7.73	6.23	
F1.5X4LG6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, LGRY	60 FT		6	60		FT	8.59	6.93	
F1.5X4WH6	SLOTTED DUCT, PVC, 1.5"X4"X6', WHT	60 FT		6	60		FT	7.73	6.23	
F1.5X4WH6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, WHT	60 FT		6	60		FT	8.59	6.93	
F2-C	DUCT STUD TYPE FASTENER FOR 2"H DUCT	100 PC		1	100		C	316.52	253.91	
F2X1LG6	SLOTTED DUCT, PVC, 2"X1"X6', LGRY	120 FT		6	120		FT	4.59	3.71	
F2X1LG6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, LGRY	120 FT		6	120		FT	5.63	4.54	
F2X1WH6	SLOTTED DUCT, PVC, 2"X1"X6', WHT	120 FT		6	120		FT	4.59	3.71	
F2X1WH6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, WHT	120 FT		6	120		FT	5.63	4.54	
F2X1.5LG6	SLOTTED DUCT, PVC, 2"X1.5"X6', LGRY	120 FT		6	120		FT	4.98	4.02	
F2X1.5LG6-A	SLOTTED DUCT, PVC,2"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	5.95	4.80	
F2X1.5WH6	SLOTTED DUCT, PVC, 2"X1.5"X6', WHT	120 FT		6	120		FT	4.98	4.02	
F2X1.5WH6-A	SLOTTED DUCT, PVC,2"X1.5"X6' ADH, WHT	120 FT		6	120		FT	5.95	4.80	
F2X2LG6	SLOTTED DUCT, PVC, 2"X2"X6', LGRY	120 FT		6	120		FT	4.99	4.04	
F2X2LG6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.98	4.85	
F2X2WH6	SLOTTED DUCT, PVC, 2"X2"X6', WHT	120 FT		6	120		FT	4.99	4.04	
F2X2WH6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, WHT	120 FT		6	120		FT	5.98	4.85	
F2X3LG6	SLOTTED DUCT, PVC, 2"X3"X6', LGRY	60 FT		6	60		FT	6.44	5.22	
F2X3LG6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, LGRY	60 FT		6	60		FT	7.45	6.04	
F2X3WH6	SLOTTED DUCT, PVC, 2"X3"X6', WHT	60 FT		6	60		FT	6.44	5.22	
F2X3WH6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, WHT	60 FT		6	60		FT	7.45	6.04	
F2X4LG6	SLOTTED DUCT, PVC, 2"X4"X6', LGRY	60 FT		6	60		FT	7.79	6.32	
F2X4LG6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, LGRY	60 FT		6	60		FT	8.79	7.12	
F2X4WH6	SLOTTED DUCT, PVC, 2"X4"X6', WHT	60 FT		6	60		FT	7.79	6.32	
F2X4WH6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, WHT	60 FT		6	60		FT	8.79	7.12	
F2X5LG6	SLOTTED DUCT, PVC, 2"X5"X6', LGRY	60 FT		6	60		FT	10.96	8.85	
F2X5LG6-A	SLOTTED DUCT, PVC,2"X5"X6' ADH, LGRY	60 FT		6	60		FT	12.14	9.80	
F2X5WH6	SLOTTED DUCT, PVC, 2"X5"X6', WHT	60 FT		6	60		FT	10.96	8.85	
F2X5WH6-A	SLOTTED DUCT, PVC,2"X5"X6' ADH, WHT	60 FT		6	60		FT	12.14	9.80	
F3-C	DUCT STUD TYPE FASTENER FOR 3"H DUCT	100 PC		1	100		C	338.56	271.59	
F3X1LG6	SLOTTED DUCT, PVC, 3"X1"X6', LGRY	120 FT		6	120		FT	5.16	4.16	
F3X1LG6-A	SLOTTED DUCT, PVC,3"X1"X6' ADH, LGRY	120 FT		6	120		FT	6.20	5.00	
F3X1WH6	SLOTTED DUCT, PVC, 3"X1"X6', WHT	120 FT		6	120		FT	5.16	4.16	
F3X1WH6-A	SLOTTED DUCT, PVC,3"X1"X6' ADH, WHT	120 FT		6	120		FT	6.20	5.00	

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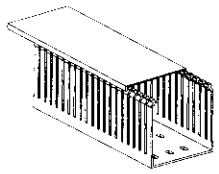
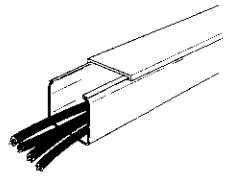


Type F — Flush Cover, Narrow Finger, Slotted Wall Design



Type FS — Flush Cover, Solid Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
F3X2LG6	SLOTTED DUCT, PVC, 3"X2"X6', LGRY	120 FT		6	120		FT	$ 6.03	$ 4.89	$
F3X2LG6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, LGRY	120 FT		6	120		FT	7.05	5.71	
F3X2WH6	SLOTTED DUCT, PVC, 3"X2"X6', WHT	120 FT		6	120		FT	6.03	4.89	
F3X2WH6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, WHT	120 FT		6	120		FT	7.05	5.71	
F3X3LG6	SLOTTED DUCT, PVC, 3"X3"X6', LGRY	60 FT		6	60		FT	7.42	6.01	
F3X3LG6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, LGRY	60 FT		6	60		FT	8.43	6.84	
F3X3WH6	SLOTTED DUCT, PVC, 3"X3"X6', WHT	60 FT		6	60		FT	7.42	6.01	
F3X3WH6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, WHT	60 FT		6	60		FT	8.43	6.84	
F3X4LG6	SLOTTED DUCT, PVC, 3"X4"X6', LGRY	60 FT		6	60		FT	8.94	7.25	
F3X4LG6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, LGRY	60 FT		6	60		FT	10.24	8.30	
F3X4WH6	SLOTTED DUCT, PVC, 3"X4"X6', WHT	60 FT		6	60		FT	8.94	7.25	
F3X4WH6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, WHT	60 FT		6	60		FT	10.24	8.30	
F3X5LG6	SLOTTED DUCT, PVC, 3"X5"X6', LGRY	60 FT		6	60		FT	12.30	9.93	
F3X5LG6-A	SLOTTED DUCT, PVC,3"X5"X6' ADH, LGRY	60 FT		6	60		FT	13.64	11.01	
F3X5WH6	SLOTTED DUCT, PVC, 3"X5"X6', WHT	60 FT		6	60		FT	12.30	9.93	
F3X5WH6-A	SLOTTED DUCT, PVC,3"X5"X6' ADH, WHT	60 FT		6	60		FT	13.64	11.01	
F4-C	DUCT STUD TYPE FASTENER FOR 4"H DUCT	100 PC		1	100		C	361.03	289.62	
F4X2LG6	SLOTTED DUCT, PVC, 4"X2"X6', LGRY	60 FT		6	60		FT	7.20	5.81	
F4X2LG6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, LGRY	60 FT		6	60		FT	8.31	6.70	
F4X2WH6	SLOTTED DUCT, PVC, 4"X2"X6', WHT	60 FT		6	60		FT	7.20	5.81	
F4X2WH6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, WHT	60 FT		6	60		FT	8.31	6.70	
F4X3LG6	SLOTTED DUCT, PVC, 4"X3"X6', LGRY	60 FT		6	60		FT	8.55	6.90	
F4X3LG6-A	SLOTTED DUCT, PVC,4"X3"X6' ADH, LGRY	60 FT		6	60		FT	9.63	7.77	
F4X3WH6	SLOTTED DUCT, PVC, 4"X3"X6', WHT	60 FT		6	60		FT	8.55	6.90	
F4X3WH6-A	SLOTTED DUCT, PVC,4"X3"X6' ADH, WHT	60 FT		6	60		FT	9.63	7.77	
F4X4LG6	SLOTTED DUCT, PVC, 4"X4"X6', LGRY	60 FT		6	60		FT	10.00	8.11	
F4X4LG6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, LGRY	60 FT		6	60		FT	11.26	9.12	
F4X4WH6	SLOTTED DUCT, PVC, 4"X4"X6', WHT	60 FT		6	60		FT	10.00	8.11	
F4X4WH6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, WHT	60 FT		6	60		FT	11.26	9.12	
F4X5LG6	SLOTTED DUCT, PVC, 4"X5"X6', LGRY	60 FT		6	60		FT	14.01	11.36	
F4X5LG6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, LGRY	60 FT		6	60		FT	15.40	12.48	
F4X5WH6	SLOTTED DUCT, PVC, 4"X5"X6', WHT	60 FT		6	60		FT	14.01	11.36	
F4X5WH6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, WHT	60 FT		6	60		FT	15.40	12.48	
FEC2X2BL	FIBER OPTIC, 2"X2" END CAP	1 PC	5	1	10		PC	8.44	8.05	
FEC2X2LG	FIBER OPTIC, 2"X2" END CAP	1 PC	5	1	10		PC	8.44	8.05	
FEC2X2OR	FIBER OPTIC, 2"X2" END CAP	1 PC	5	1	10		PC	8.44	8.05	
FEC2X2YL	FIBER OPTIC, 2"X2" END CAP	1 PC	5	1	10		PC	8.44	8.05	
FEC4X4BL	FIBER OPTIC, 4"X4" END CAP	1 PC	5	1	10		PC	9.64	9.20	
FEC4X4LG	FIBER OPTIC, 4"X4" END CAP	1 PC	5	1	10		PC	9.64	9.20	
FEC4X4OR	FIBER OPTIC, 4"X4" END CAP	1 PC	5	1	10		PC	9.64	9.20	
FEC4X4YL	FIBER OPTIC, 4"X4" END CAP	1 PC	5	1	10		PC	9.64	9.20	
FS.5X.5LG6	SOLID RACEWAY, .5"X.5"X6', LGRY	120 FT		6	120		FT	2.60	2.10	
FS.5X.5LG6NM	SOLID RACEWAY, .5"X.5"X6', LGRY, NO HL	120 FT		6	120		FT	2.48	2.00	
FS.5X.5LG6NM-A	SOLID RACEWAY, .5"X.5"X6', LGRY, NO HL, ADH	120 FT		6	120		FT	3.08	2.48	
FS.5X.5WH6	SOLID RACEWAY, .5"X.5"X6', WHT	120 FT		6	120		FT	2.60	2.10	
FS.5X.5WH6NM	SOLID RACEWAY, .5"X.5"X6', WHT, NO HL	120 FT		6	120		FT	2.48	2.00	
FS.5X.5WH6NM-A	SOLID RACEWAY, .5"X.5"X6', WHT, NO HL, ADH	120 FT		6	120		FT	3.08	2.48	
FS.5X1LG6	SOLID RACEWAY, .5"X1"X6', LGRY	120 FT		6	120		FT	3.09	2.50	
FS.5X1LG6NM	SOLID RACEWAY, .5"X1"X6', LGRY, NO HL	120 FT		6	120		FT	2.95	2.38	
FS.5X1WH6NM	SOLID RACEWAY, .5"X1"X6', WHT, NO HL	120 FT		6	120		FT	2.95	2.38	
FS.75X.75LG6NM	SOLID RACEWAY, .75"X.75"X6', LGRY, NO HL	120 FT		6	120		FT	2.95	2.38	
FS.75X.75WH6-A	SOLID RACEWAY, .75"X.75"X6', WHT, ADH	120 FT		6	120		FT	3.59	2.90	
FS.75X.75WH6NM	SOLID RACEWAY, .75"X.75"X6', WHT, NO HL	120 FT		6	120		FT	2.95	2.38	
FS.75X.75WH6NMA	SOLID RACEWAY, .75"X.75"X6', WHT, NO HL, ADH	120 FT		6	120		FT	3.42	2.76	
FS.75X1.5DG6NM	SOLID RACEWAY, .75"X1.5"X6', DGRY, NO HL	120 FT		6	120		FT	3.73	3.01	

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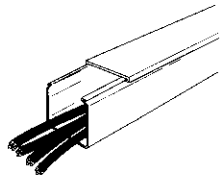
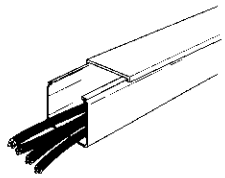


Type FS — Flush Cover, Solid Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
FS.75X1.5LG6NM	SOLID RACEWAY, .75"X1.5"X6', LGRY, NO HL	120 FT		6	120		FT	$ 3.86	$ 3.12	$
FS.75X1.5WH6NM	SOLID RACEWAY, .75"X1.5"X6', WHT, NO HL	120 FT		6	120		FT	3.86	3.12	
FS1X1LG6	SOLID RACEWAY, 1"X1"X6', LGRY	120 FT		6	120		FT	3.26	2.63	
FS1X1LG6-A	SOLID RACEWAY, 1"X1"X6', LGRY, ADH	120 FT		6	120		FT	3.80	3.07	
FS1X1LG6NM	SOLID RACEWAY, 1"X1"X6', LGRY, NO HL	120 FT		6	120		FT	3.10	2.50	
FS1X1LG6NM-A	SOLID RACEWAY, 1"X1"X6', LGRY, NO HL, ADH	120 FT		6	120		FT	3.63	2.93	
FS1X1WH6	SOLID RACEWAY, 1"X1"X6', WHT	120 FT		6	120		FT	3.26	2.63	
FS1X1WH6-A	SOLID RACEWAY, 1"X1"X6', WHT, ADH	120 FT		6	120		FT	3.80	3.07	
FS1X1WH6NM	SOLID RACEWAY, 1"X1"X6', WHT, NO HL	120 FT		6	120		FT	3.10	2.50	
FS1X1.5DG6NM	SOLID RACEWAY, 1"X1.5"X6', DGRY, NO HL	120 FT		6	120		FT	3.85	3.11	
FS1X1.5LG6	SOLID RACEWAY, 1"X1.5"X6', LGRY	120 FT		6	120		FT	4.05	3.27	
FS1X1.5LG6-A	SOLID RACEWAY, 1"X1.5"X6', LGRY, ADH	120 FT		6	120		FT	4.52	3.65	
FS1X1.5LG6NM	SOLID RACEWAY, 1"X1.5"X6', LGRY, NO HL	120 FT		6	120		FT	3.85	3.11	
FS1X1.5LG6NM-A	SOLID RACEWAY, 1"X1.5"X6', LGRY, NO HL, ADH	120 FT		6	120		FT	4.31	3.48	
FS1X1.5WH6	SOLID RACEWAY, 1"X1.5"X6', WHT	120 FT		6	120		FT	4.05	3.27	
FS1X1.5WH6NM	SOLID RACEWAY, 1"X1.5"X6', WHT, NO HL	120 FT		6	120		FT	3.85	3.11	
FS1X2BL6NM	SOLID RACEWAY, 1"X2"X6', BLK, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1X2DG6NM	SOLID RACEWAY, 1"X2"X6', DGRY, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1X2IB6NM	SOLID RACEWAY, 1"X2"X6', 'BLU, NO HL	120 FT		6	120		FT	4.59	3.71	
FS1X2IB6NM-A	SOLID RACEWAY, 1"X2"X6', 'BLU, NO HL, ADH	120 FT		6	120		FT	5.09	4.10	
FS1X2LG6	SOLID RACEWAY, 1"X2"X6', LGRY	120 FT		6	120		FT	4.47	3.61	
FS1X2LG6NM	SOLID RACEWAY, 1"X2"X6', LGRY, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1X2WH6	SOLID RACEWAY, 1"X2"X6', WHT	120 FT		6	120		FT	4.47	3.61	
FS1X2WH6NM	SOLID RACEWAY, 1"X2"X6', WHT, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1X3BL6NM	SOLID RACEWAY, 1"X3"X6', BLK, NO HL	120 FT		6	120		FT	5.49	4.43	
FS1X3DG6NM	SOLID RACEWAY, 1"X3"X6', DGRY, NO HL	120 FT		6	120		FT	5.49	4.43	
FS1X3LG6NM	SOLID RACEWAY, 1"X3"X6', LGRY, NO HL	120 FT		6	120		FT	5.49	4.43	
FS1X3WH6NM	SOLID RACEWAY, 1"X3"X6', WHT, NO HL	120 FT		6	120		FT	5.49	4.43	
FS1X4BL6NM	SOLID RACEWAY, 1"X4"X6', BLK, NO HL	60 FT		6	60		FT	6.37	5.14	
FS1X4DG6NM	SOLID RACEWAY, 1"X4"X6', DGRY, NO HL	60 FT		6	60		FT	6.37	5.14	
FS1X4LG6NM	SOLID RACEWAY, 1"X4"X6', LGRY, NO HL	60 FT		6	60		FT	6.59	5.32	
FS1X4WH6NM	SOLID RACEWAY, 1"X4"X6', WHT, NO HL	60 FT		6	60		FT	6.59	5.32	
FS1.5X1LG6	SOLID RACEWAY, 1.5"X1"X6', LGRY	120 FT		6	120		FT	3.86	3.12	
FS1.5X1LG6-A	SOLID RACEWAY, 1.5"X1"X6', LGRY, ADH	120 FT		6	120		FT	4.37	3.53	
FS1.5X1LG6NM	SOLID RACEWAY, 1.5"X1"X6', LGRY, NO HL	120 FT		6	120		FT	3.68	2.97	
FS1.5X1WH6	SOLID RACEWAY, 1.5"X1"X6', WHT	120 FT		6	120		FT	3.86	3.12	
FS1.5X1WH6NM	SOLID RACEWAY, 1.5"X1"X6', WHT, NO HL	120 FT		6	120		FT	3.68	2.97	
FS1.5X1.5BL6NM	SOLID RACEWAY, 1.5"X1.5"X6', BLK, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1.5X1.5DG6NM	SOLID RACEWAY, 1.5"X1.5"X6', DGRY, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1.5X1.5LG6	SOLID RACEWAY, 1.5"X1.5"X6', LGRY	120 FT		6	120		FT	4.47	3.61	
FS1.5X1.5LG6-A	SOLID RACEWAY, 1.5"X1.5"X6', LGRY, ADH	120 FT		6	120		FT	4.93	3.98	
FS1.5X1.5LG6NM	SOLID RACEWAY, 1.5"X1.5"X6', LGRY, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1.5X1.5WH6	SOLID RACEWAY, 1.5"X1.5"X6', WHT	120 FT		6	120		FT	4.47	3.61	
FS1.5X1.5WH6-A	SOLID RACEWAY, 1.5"X1.5"X6', WHT, ADH	120 FT		6	120		FT	4.93	3.98	
FS1.5X1.5WH6NM	SOLID RACEWAY, 1.5"X1.5"X6', WHT, NO HL	120 FT		6	120		FT	4.26	3.44	
FS1.5X2BL6NM	SOLID RACEWAY, 1.5"X2"X6', BLK, NO HL	120 FT		6	120		FT	4.56	3.68	
FS1.5X2DG6NM	SOLID RACEWAY, 1.5"X2"X6', DGRY, NO HL	120 FT		6	120		FT	4.56	3.68	
FS1.5X2LG6	SOLID RACEWAY, 1.5"X2"X6', LGRY	120 FT		6	120		FT	4.79	3.86	
FS1.5X2LG6-A	SOLID RACEWAY, 1.5"X2"X6', LGRY, ADH	120 FT		6	120		FT	5.24	4.23	
FS1.5X2LG6NM	SOLID RACEWAY, 1.5"X2"X6', LGRY, NO HL	120 FT		6	120		FT	4.56	3.68	
FS1.5X2WH6	SOLID RACEWAY, 1.5"X2"X6', WHT	120 FT		6	120		FT	4.79	3.86	
FS1.5X2WH6NM	SOLID RACEWAY, 1.5"X2"X6', WHT, NO HL	120 FT		6	120		FT	4.56	3.68	
FS1.5X3BL6NM	SOLID RACEWAY, 1.5"X3"X6', BLK, NO HL	120 FT		6	120		FT	5.79	4.67	
FS1.5X3DG6NM	SOLID RACEWAY, 1.5"X3"X6', DGRY, NO HL	120 FT		6	120		FT	5.79	4.67	
FS1.5X3LG6	SOLID RACEWAY, 1.5"X3"X6', LGRY	120 FT		6	120		FT	6.07	4.90	

* Contact distributor for pricing on quantities larger than those shown.

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
All prices subject to change without notice.



Type FS — Flush Cover, Solid Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
FS1.5X3LG6NM	SOLID RACEWAY, 1.5"X3"X6', LGRY, NO HL	120 FT		6	120		FT	$ 5.79	$ 4.67	$
FS1.5X3WH6	SOLID RACEWAY, 1.5"X3"X6', WHT	120 FT		6	120		FT	6.07	4.90	
FS1.5X3WH6NM	SOLID RACEWAY, 1.5"X3"X6', WHT, NO HL	120 FT		6	120		FT	5.79	4.67	
FS1.5X4BL6NM	SOLID RACEWAY, 1.5"X4"X6', BLK, NO HL	60 FT		6	60		FT	6.86	5.54	
FS1.5X4DG6NM	SOLID RACEWAY, 1.5"X4"X6', DGRY, NO HL	60 FT		6	60		FT	6.86	5.54	
FS1.5X4LG6NM	SOLID RACEWAY, 1.5"X4"X6', LGRY, NO HL	60 FT		6	60		FT	7.10	5.73	
FS1.5X4WH6NM	SOLID RACEWAY, 1.5"X4"X6', WHT, NO HL	60 FT		6	60		FT	7.10	5.73	
FS2X1LG6NM	SOLID RACEWAY, 2"X1"X6', LGRY, NO HL	120 FT		6	120		FT	4.22	3.41	
FS2X1LG6NM-A	SOLID RACEWAY, 2"X1"X6', LGRY, NO HL, ADH	120 FT		6	120		FT	4.90	3.95	
FS2X1WH6NM	SOLID RACEWAY, 2"X1"X6', WHT, NO HL	120 FT		6	120		FT	4.22	3.41	
FS2X1WH6NM-A	SOLID RACEWAY, 2"X1"X6', WHT, NO HL, ADH	120 FT		6	120		FT	4.90	3.95	
FS2X1.5DG6NM	SOLID RACEWAY, 2"X1.5"X6', DGRY, NO HL	120 FT		6	120		FT	4.38	3.54	
FS2X1.5LG6NM	SOLID RACEWAY, 2"X1.5"X6', LGRY, NO HL	120 FT		6	120		FT	4.53	3.66	
FS2X1.5LG6NM-A	SOLID RACEWAY, 2"X1.5"X6', LGRY, NO HL, ADH	120 FT		6	120		FT	5.19	4.19	
FS2X1.5WH6NM	SOLID RACEWAY, 2"X1.5"X6', WHT, NO HL	120 FT		6	120		FT	4.53	3.66	
FS2X1.5WH6NM-A	SOLID RACEWAY, 2"X1.5"X6', WHT, NO HL, ADH	120 FT		6	120		FT	5.19	4.19	
FS2X2BL6NM	SOLID RACEWAY, 2"X2"X6', BLK, NO HL	120 FT		6	120		FT	4.58	3.69	
FS2X2BL6NM-A	SOLID RACEWAY, 2"X2"X6', BLK, NO HL, ADH	120 FT		6	120		FT	5.26	4.25	
FS2X2DG6NM	SOLID RACEWAY, 2"X2"X6', DGRY, NO HL	120 FT		6	120		FT	4.58	3.69	
FS2X2IB6NM	SOLID RACEWAY, 2"X2"X6', 'BLU, NO HL	120 FT		6	120		FT	5.53	4.46	
FS2X2IB6NM-A	SOLID RACEWAY, 2"X2"X6', 'BLU, NO HL, ADH	120 FT		6	120		FT	6.35	5.13	
FS2X2LG6NM	SOLID RACEWAY, 2"X2"X6', LGRY, NO HL	120 FT		6	120		FT	4.58	3.69	
FS2X2LG6NM-A	SOLID RACEWAY, 2"X2"X6', LGRY, NO HL, ADH	120 FT		6	120		FT	5.26	4.25	
FS2X2WH6NM	SOLID RACEWAY, 2"X2"X6', WHT, NO HL	120 FT		6	120		FT	4.58	3.69	
FS2X2WH6NM-A	SOLID RACEWAY, 2"X2"X6', WHT, NO HL, ADH	120 FT		6	120		FT	5.26	4.25	
FS2X3BL6NM	SOLID RACEWAY, 2"X3"X6', BLK, NO HL	60 FT		6	60		FT	5.95	4.80	
FS2X3DG6NM	SOLID RACEWAY, 2"X3"X6', DGRY, NO HL	60 FT		6	60		FT	5.95	4.80	
FS2X3IB6NM	SOLID RACEWAY, 2"X3"X6', 'BLU, NO HL	60 FT		6	60		FT	6.49	5.24	
FS2X3IB6NM-A	SOLID RACEWAY, 2"X3"X6', 'BLU, NO HL, ADH	60 FT		6	60		FT	7.18	5.79	
FS2X3LG6NM	SOLID RACEWAY, 2"X3"X6', LGRY, NO HL	60 FT		6	60		FT	5.95	4.80	
FS2X3WH6NM	SOLID RACEWAY, 2"X3"X6', WHT, NO HL	60 FT		6	60		FT	5.95	4.80	
FS2X4BL6NM	SOLID RACEWAY, 2"X4"X6', BLK, NO HL	60 FT		6	60		FT	7.18	5.79	
FS2X4DG6NM	SOLID RACEWAY, 2"X4"X6', DGRY, NO HL	60 FT		6	60		FT	7.18	5.79	
FS2X4LG6NM	SOLID RACEWAY, 2"X4"X6', LGRY, NO HL	60 FT		6	60		FT	7.18	5.79	
FS2X4LG6NM-A	SOLID RACEWAY, 2"X4"X6', LGRY, NO HL, ADH	60 FT		6	60		FT	7.73	6.23	
FS2X4WH6NM	SOLID RACEWAY, 2"X4"X6', WHT, NO HL	60 FT		6	60		FT	7.18	5.79	
FS2X5DG6NM	SOLID RACEWAY, 2"X5"X6', DGRY, NO HL	60 FT		6	60		FT	9.72	7.84	
FS2X5LG6NM	SOLID RACEWAY, 2"X5"X6', LGRY, NO HL	60 FT		6	60		FT	10.05	8.11	
FS2X5WH6NM	SOLID RACEWAY, 2"X5"X6', WHT, NO HL	60 FT		6	60		FT	10.05	8.11	
FS3X1LG6NM	SOLID RACEWAY, 3"X1"X6', LGRY, NO HL	120 FT		6	120		FT	4.71	3.81	
FS3X1WH6NM	SOLID RACEWAY, 3"X1"X6', WHT, NO HL	120 FT		6	120		FT	4.71	3.81	
FS3X1WH6NM-A	SOLID RACEWAY, 3"X1"X6', WHT, NO HL, ADH	120 FT		6	120		FT	5.41	4.37	
FS3X2BL6NM	SOLID RACEWAY, 3"X2"X6', BLK, NO HL	120 FT		6	120		FT	5.60	4.52	
FS3X2DG6NM	SOLID RACEWAY, 3"X2"X6', DGRY, NO HL	120 FT		6	120		FT	5.60	4.52	
FS3X2LG6NM	SOLID RACEWAY, 3"X2"X6', LGRY, NO HL	120 FT		6	120		FT	5.60	4.52	
FS3X2LG6NM-A	SOLID RACEWAY, 3"X2"X6', LGRY, NO HL, ADH	120 FT		6	120		FT	6.20	5.00	
FS3X2WH6NM	SOLID RACEWAY, 3"X2"X6', WHT, NO HL	120 FT		6	120		FT	5.60	4.52	
FS3X2WH6NM-A	SOLID RACEWAY, 3"X2"X6', WHT, NO HL, ADH	120 FT		6	120		FT	6.20	5.00	
FS3X3BL6NM	SOLID RACEWAY, 3"X3"X6', BLK, NO HL	60 FT		6	60		FT	6.85	5.52	
FS3X3DG6NM	SOLID RACEWAY, 3"X3"X6', DGRY, NO HL	60 FT		6	60		FT	6.85	5.52	
FS3X3IB6NM	SOLID RACEWAY, 3"X3"X6', 'BLU, NO HL	60 FT		6	60		FT	7.52	6.06	
FS3X3LG6NM	SOLID RACEWAY, 3"X3"X6', LGRY, NO HL	60 FT		6	60		FT	6.85	5.52	
FS3X3LG6NM-A	SOLID RACEWAY, 3"X3"X6', LGRY, NO HL, ADH	60 FT		6	60		FT	7.44	6.01	
FS3X3WH6NM	SOLID RACEWAY, 3"X3"X6', WHT, NO HL	60 FT		6	60		FT	6.85	5.52	
FS3X3WH6NM-A	SOLID RACEWAY, 3"X3"X6', WHT, NO HL, ADH	60 FT		6	60		FT	7.44	6.01	

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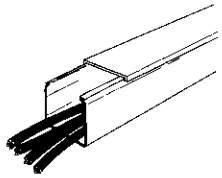
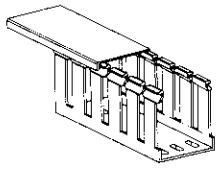
PANDUIT® Wiring Duct



Type FS — Flush Cover, Solid Wall Design



Type G — Flush Cover, Wide Finger, Slotted Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
FS3X4BL6NM	SOLID RACEWAY, 3"X4"X6', BLK, NO HL	60 FT		6	60		FT	$ 8.31	$ 6.70	$
FS3X4DG6NM	SOLID RACEWAY, 3"X4"X6', DGRY, NO HL	60 FT		6	60		FT	8.31	6.70	
FS3X4LG6NM	SOLID RACEWAY, 3"X4"X6', LGRY, NO HL	60 FT		6	60		FT	8.31	6.70	
FS3X4LG6NM-A	SOLID RACEWAY, 3"X4"X6', LGRY, NO HL, ADH	60 FT		6	60		FT	8.98	7.24	
FS3X4WH6NM-A	SOLID RACEWAY, 3"X4"X6', WHT, NO HL, ADH	60 FT		6	60		FT	8.98	7.24	
FS3X5DG6NM	SOLID RACEWAY, 3"X5"X6', DGRY, NO HL	60 FT		6	60		FT	10.86	8.76	
FS3X5LG6NM	SOLID RACEWAY, 3"X5"X6', LGRY, NO HL	60 FT		6	60		FT	11.23	9.07	
FS3X5WH6NM	SOLID RACEWAY, 3"X5"X6', WHT, NO HL	60 FT		6	60		FT	11.23	9.07	
FS4X1.5LG6	SOLID RACEWAY, 4"X1.5"X6', LGRY	120 FT		6	120		FT	5.64	4.58	
FS4X2BL6NM	SOLID RACEWAY, 4"X2"X6', BLK, NO HL	60 FT		6	60		FT	6.39	5.15	
FS4X2DG6NM	SOLID RACEWAY, 4"X2"X6', DGRY, NO HL	60 FT		6	60		FT	6.39	5.15	
FS4X2LG6NM	SOLID RACEWAY, 4"X2"X6', LGRY, NO HL	60 FT		6	60		FT	6.61	5.34	
FS4X2WH6NM	SOLID RACEWAY, 4"X2"X6', WHT, NO HL	60 FT		6	60		FT	6.61	5.34	
FS4X2WH6NM-A	SOLID RACEWAY, 4"X2"X6', WHT, NO HL, ADH	60 FT		6	60		FT	7.26	5.87	
FS4X3BL6NM	SOLID RACEWAY, 4"X3"X6', BLK, NO HL	60 FT		6	60		FT	7.59	6.12	
FS4X3DG6NM	SOLID RACEWAY, 4"X3"X6', DGRY, NO HL	60 FT		6	60		FT	7.59	6.12	
FS4X3LG6NM	SOLID RACEWAY, 4"X3"X6', LGRY, NO HL	60 FT		6	60		FT	7.84	6.34	
FS4X3WH6NM	SOLID RACEWAY, 4"X3"X6', WHT, NO HL	60 FT		6	60		FT	7.84	6.34	
FS4X3WH6NM-A	SOLID RACEWAY, 4"X3"X6', WHT, NO HL, ADH	60 FT		6	60		FT	8.41	6.79	
FS4X4BL6NM	SOLID RACEWAY, 4"X4"X6', BLK, NO HL	60 FT		6	60		FT	9.20	7.43	
FS4X4DG6NM	SOLID RACEWAY, 4"X4"X6', DGRY, NO HL	60 FT		6	60		FT	9.20	7.43	
FS4X4IB6NM	SOLID RACEWAY, 4"X4"X6', 'BLU, NO HL	60 FT		6	60		FT	10.10	8.15	
FS4X4LG6NM	SOLID RACEWAY, 4"X4"X6', LGRY, NO HL	60 FT		6	60		FT	9.20	7.43	
FS4X4LG6NM-A	SOLID RACEWAY, 4"X4"X6', LGRY, NO HL, ADH	60 FT		6	60		FT	9.89	7.98	
FS4X4WH6NM	SOLID RACEWAY, 4"X4"X6', WHT, NO HL	60 FT		6	60		FT	9.20	7.43	
FS4X4WH6NM-A	SOLID RACEWAY, 4"X4"X6', WHT, NO HL, ADH	60 FT		6	60		FT	9.89	7.98	
FS4X5DG6NM	SOLID RACEWAY, 4"X5"X6', DGRY, NO HL	60 FT		6	60		FT	12.95	10.45	
FS4X5LG6NM	SOLID RACEWAY, 4"X5"X6', LGRY, NO HL	60 FT		6	60		FT	12.95	10.45	
FS4X5WH6NM	SOLID RACEWAY, 4"X5"X6', WHT, NO HL	60 FT		6	60		FT	12.95	10.45	
FS4X5WH6NM-A	SOLID RACEWAY, 4"X5"X6', WHT, NO HL, ADH	60 FT		6	60		FT	13.50	10.89	
FS6X4LG6	SOLID RACEWAY, 6"X4"X6', LGRY	60 FT		6	60		FT	15.80	12.75	
FS6X4LG6-A	SOLID RACEWAY, 6"X4"X6', LGRY, ADH	60 FT		6	60		FT	16.19	13.06	
FS6X4LG6NM	SOLID RACEWAY, 6"X4"X6', LGRY, NO HL	60 FT		6	60		FT	12.57	10.14	
FS6X4LG6NM-A	SOLID RACEWAY, 6"X4"X6', LGRY, NO HL, ADH	60 FT		6	60		FT	15.42	12.44	
FS6X4WH6	SOLID RACEWAY, 6"X4"X6', WHT	60 FT		6	60		FT	15.80	12.75	
FS6X4WH6NM	SOLID RACEWAY, 6"X4"X6', WHT, NO HL	60 FT		6	60		FT	12.57	10.14	
FS6X4WH6NM-A	SOLID RACEWAY, 6"X4"X6', WHT, NO HL, ADH	60 FT		6	60		FT	15.42	12.44	
FWR-C	DUCT WIRE RETAINER/LABEL, TYPE F, ADJ	100 PC	1000	1	100		C	76.79	61.60	
G.5X.5BL6	SLOTTED DUCT, PVC, .5"X.5"X6', BLK	120 FT		6	120		FT	2.62	2.12	
G.5X.5BL6-A	SLOTTED DUCT, PVC,.5"X.5"X6' ADH, BLK	120 FT		6	120		FT	3.35	2.71	
G.5X.5DG6	SLOTTED DUCT, PVC, .5"X.5"X6', DGRY	120 FT		6	120		FT	2.62	2.12	
G.5X.5DG6-A	SLOTTED DUCT, PVC,.5"X.5"X6' ADH, DGRY	120 FT		6	120		FT	3.35	2.71	
G.5X.5LG6	SLOTTED DUCT, PVC, .5"X.5"X6', LGRY	120 FT		6	120		FT	2.62	2.12	
G.5X.5LG6-A	SLOTTED DUCT, PVC,.5"X.5"X6' ADH, LGRY	120 FT		6	120		FT	3.35	2.71	
G.5X.5WH6	SLOTTED DUCT, PVC, .5"X.5"X6', WHT	120 FT		6	120		FT	2.62	2.12	
G.5X.5WH6-A	SLOTTED DUCT, PVC,.5"X.5"X6' ADH, WHT	120 FT		6	120		FT	3.35	2.71	
G.5X1DG6	SLOTTED DUCT, PVC, .5"X1"X6', DGRY	120 FT		6	120		FT	3.08	2.49	
G.5X1DG6-A	SLOTTED DUCT, PVC,.5"X1"X6' ADH, DGRY	120 FT		6	120		FT	3.79	3.07	
G.5X1LG6	SLOTTED DUCT, PVC, .5"X1"X6', LGRY	120 FT		6	120		FT	3.08	2.49	
G.5X1LG6-A	SLOTTED DUCT, PVC,.5"X1"X6' ADH, LGRY	120 FT		6	120		FT	3.79	3.07	
G.5X1WH6	SLOTTED DUCT, PVC, .5"X1"X6', WHT	120 FT		6	120		FT	3.08	2.49	
G.5X1WH6-A	SLOTTED DUCT, PVC,.5"X1"X6' ADH, WHT	120 FT		6	120		FT	3.79	3.07	
G.5X4LG6	SLOTTED DUCT, PVC,.5"X4"X6' ADH, WHT	60 FT		6	120		FT	7.35	5.96	
G.5X4WH6	SLOTTED DUCT, PVC,.5"X4"X6' ADH, WHT	60 FT		6	120		FT	7.35	5.96	
G.75X.75BL6	SLOTTED DUCT, PVC, .75"X.75"X6', BLK	120 FT		6	120		FT	3.11	2.52	

* Contact distributor for pricing on quantities larger than those shown.

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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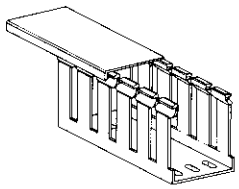

Type G — Flush Cover, Wide Finger, Slotted Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
G.75X.75BL6-A	SLOTTED DUCT, PVC,.75"X.75"X6' ADH, BLK	120 FT		6	120		FT	$ 3.85	$ 3.12	$
G.75X.75DG6	SLOTTED DUCT, PVC, .75"X.75"X6', DGRY	120 FT		6	120		FT	3.11	2.52	
G.75X.75DG6-A	SLOTTED DUCT, PVC,.75"X.75"X6' ADH, DGRY	120 FT		6	120		FT	3.85	3.12	
G.75X.75LG6	SLOTTED DUCT, PVC, .75"X.75"X6', LGRY	120 FT		6	120		FT	3.11	2.52	
G.75X.75LG6-A	SLOTTED DUCT, PVC,.75"X.75"X6' ADH, LGRY	120 FT		6	120		FT	3.85	3.12	
G.75X.75WH6	SLOTTED DUCT, PVC, .75"X.75"X6', WHT	120 FT		6	120		FT	3.11	2.52	
G.75X.75WH6-A	SLOTTED DUCT, PVC,.75"X.75"X6' ADH, WHT	120 FT		6	120		FT	3.85	3.12	
G.75X1BL6	SLOTTED DUCT, PVC, .75"X1"X6', BLK	120 FT		6	120		FT	3.26	2.64	
G.75X1BL6-A	SLOTTED DUCT, PVC,.75"X1"X6' ADH, BLK	120 FT		6	120		FT	3.90	3.16	
G.75X1DG6	SLOTTED DUCT, PVC, .75"X1"X6', DGRY	120 FT		6	120		FT	3.26	2.64	
G.75X1DG6-A	SLOTTED DUCT, PVC,.75"X1"X6' ADH, DGRY	120 FT		6	120		FT	3.90	3.16	
G.75X1LG6	SLOTTED DUCT, PVC, .75"X1"X6', LGRY	120 FT		6	120		FT	3.26	2.64	
G.75X1LG6-A	SLOTTED DUCT, PVC,.75"X1"X6' ADH, LGRY	120 FT		6	120		FT	3.90	3.16	
G.75X1WH6	SLOTTED DUCT, PVC, .75"X1"X6', WHT	120 FT		6	120		FT	3.26	2.64	
G.75X1WH6-A	SLOTTED DUCT, PVC,.75"X1"X6' ADH, WHT	120 FT		6	120		FT	3.90	3.16	
G.75X1.5DG6	SLOTTED DUCT, PVC, .75"X1.5"X6', DGRY	120 FT		6	120		FT	4.02	3.26	
G.75X1.5DG6-A	SLOTTED DUCT, PVC,.75"X1.5"X6' ADH, DGRY	120 FT		6	120		FT	4.72	3.82	
G.75X1.5LG6	SLOTTED DUCT, PVC, .75"X1.5"X6', LGRY	120 FT		6	120		FT	4.02	3.26	
G.75X1.5LG6-A	SLOTTED DUCT, PVC,.75"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	4.72	3.82	
G.75X1.5WH6	SLOTTED DUCT, PVC, .75"X1.5"X6', WHT	120 FT		6	120		FT	4.02	3.26	
G.75X1.5WH6-A	SLOTTED DUCT, PVC,.75"X1.5"X6' ADH, WHT	120 FT		6	120		FT	4.72	3.82	
G.75X2BL6	SLOTTED DUCT, PVC, .75"X2"X6', BLK	120 FT		6	120		FT	4.78	3.88	
G.75X2BL6-A	SLOTTED DUCT, PVC,.75"X2"X6' ADH, BLK	120 FT		6	120		FT	5.61	4.55	
G.75X2DG6	SLOTTED DUCT, PVC, .75"X2"X6', DGRY	120 FT		6	120		FT	4.78	3.88	
G.75X2DG6-A	SLOTTED DUCT, PVC,.75"X2"X6' ADH, DGRY	120 FT		6	120		FT	5.61	4.55	
G.75X2LG6	SLOTTED DUCT, PVC, .75"X2"X6', LGRY	120 FT		6	120		FT	4.78	3.88	
G.75X2LG6-A	SLOTTED DUCT, PVC,.75"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.61	4.55	
G.75X2WH6	SLOTTED DUCT, PVC, .75"X2"X6', WHT	120 FT		6	120		FT	4.78	3.88	
G.75X2WH6-A	SLOTTED DUCT, PVC,.75"X2"X6' ADH, WHT	120 FT		6	120		FT	5.61	4.55	
G1X1BL6	SLOTTED DUCT, PVC, 1"X1"X6', BLK	120 FT		6	120		FT	3.33	2.70	
G1X1BL6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, BLK	120 FT		6	120		FT	4.09	3.32	
G1X1DG6	SLOTTED DUCT, PVC, 1"X1"X6', DGRY	120 FT		6	120		FT	3.33	2.70	
G1X1DG6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, DGRY	120 FT		6	120		FT	4.09	3.32	
G1X1IB6	SLOTTED DUCT, PVC, 1"X1"X6', 'BLU	120 FT		6	120		FT	3.67	2.97	
G1X1IB6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, 'BLU	120 FT		6	120		FT	4.50	3.64	
G1X1LG6	SLOTTED DUCT, PVC, 1"X1"X6', LGRY	120 FT		6	120		FT	3.33	2.70	
G1X1LG6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, LGRY	120 FT		6	120		FT	4.09	3.32	
G1X1WH6	SLOTTED DUCT, PVC, 1"X1"X6', WHT	120 FT		6	120		FT	3.33	2.70	
G1X1WH6-A	SLOTTED DUCT, PVC,1"X1"X6' ADH, WHT	120 FT		6	120		FT	4.09	3.32	
G1X1.5BL6	SLOTTED DUCT, PVC, 1"X1.5"X6', BLK	120 FT		6	120		FT	4.17	3.38	
G1X1.5BL6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, BLK	120 FT		6	120		FT	4.90	3.97	
G1X1.5DG6	SLOTTED DUCT, PVC, 1"X1.5"X6', DGRY	120 FT		6	120		FT	4.17	3.38	
G1X1.5DG6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, DGRY	120 FT		6	120		FT	4.90	3.97	
G1X1.5LG6	SLOTTED DUCT, PVC, 1"X1.5"X6', LGRY	120 FT		6	120		FT	4.17	3.38	
G1X1.5LG6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	4.90	3.97	
G1X1.5WH6	SLOTTED DUCT, PVC, 1"X1.5"X6', WHT	120 FT		6	120		FT	4.17	3.38	
G1X1.5WH6-A	SLOTTED DUCT, PVC,1"X1.5"X6' ADH, WHT	120 FT		6	120		FT	4.90	3.97	
G1X2BL6	SLOTTED DUCT, PVC, 1"X2"X6', BLK	120 FT		6	120		FT	4.53	3.67	
G1X2BL6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, BLK	120 FT		6	120		FT	5.27	4.27	
G1X2DG6	SLOTTED DUCT, PVC, 1"X2"X6', DGRY	120 FT		6	120		FT	4.53	3.67	
G1X2DG6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, DGRY	120 FT		6	120		FT	5.27	4.27	
G1X2IB6	SLOTTED DUCT, PVC, 1"X2"X6', 'BLU	120 FT		6	120		FT	5.00	4.06	
G1X2IB6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, 'BLU	120 FT		6	120		FT	5.81	4.71	
G1X2LG6	SLOTTED DUCT, PVC, 1"X2"X6', LGRY	120 FT		6	120		FT	4.53	3.67	
G1X2LG6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.27	4.27	

* Contact distributor for pricing on quantities larger than those shown.

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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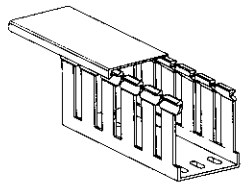

Type G — Flush Cover, Wide Finger, Slotted Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
G1X2WH6	SLOTTED DUCT, PVC, 1"X2"X6', WHT	120 FT		6	120		FT	$ 4.53	$ 3.67	$
G1X2WH6-A	SLOTTED DUCT, PVC,1"X2"X6' ADH, WHT	120 FT		6	120		FT	5.27	4.27	
G1X3BL6	SLOTTED DUCT, PVC, 1"X3"X6', BLK	120 FT		6	120		FT	5.90	4.78	
G1X3BL6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, BLK	120 FT		6	120		FT	6.71	5.44	
G1X3DG6	SLOTTED DUCT, PVC, 1"X3"X6', DGRY	120 FT		6	120		FT	5.90	4.78	
G1X3DG6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, DGRY	120 FT		6	120		FT	6.71	5.44	
G1X3LG6	SLOTTED DUCT, PVC, 1"X3"X6', LGRY	120 FT		6	120		FT	5.90	4.78	
G1X3LG6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, LGRY	120 FT		6	120		FT	6.71	5.44	
G1X3WH6	SLOTTED DUCT, PVC, 1"X3"X6', WHT	120 FT		6	120		FT	5.90	4.78	
G1X3WH6-A	SLOTTED DUCT, PVC,1"X3"X6' ADH, WHT	120 FT		6	120		FT	6.71	5.44	
G1X4BL6	SLOTTED DUCT, PVC, 1"X4"X6', BLK	60 FT		6	60		FT	7.23	5.86	
G1X4BL6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, BLK	60 FT		6	60		FT	8.04	6.52	
G1X4DG6	SLOTTED DUCT, PVC, 1"X4"X6', DGRY	60 FT		6	60		FT	7.23	5.86	
G1X4DG6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, DGRY	60 FT		6	60		FT	8.04	6.52	
G1X4LG6	SLOTTED DUCT, PVC, 1"X4"X6', LGRY	60 FT		6	60		FT	7.23	5.86	
G1X4LG6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, LGRY	60 FT		6	60		FT	8.04	6.52	
G1X4WH6	SLOTTED DUCT, PVC, 1"X4"X6', WHT	60 FT		6	60		FT	7.23	5.86	
G1X4WH6-A	SLOTTED DUCT, PVC,1"X4"X6' ADH, WHT	60 FT		6	60		FT	8.04	6.52	
G1.5X1DG6	SLOTTED DUCT, PVC, 1.5"X1"X6', DGRY	120 FT		6	120		FT	3.80	3.08	
G1.5X1DG6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, DGRY	120 FT		6	120		FT	4.58	3.71	
G1.5X1LG6	SLOTTED DUCT, PVC, 1.5"X1"X6', LGRY	120 FT		6	120		FT	3.80	3.08	
G1.5X1LG6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, LGRY	120 FT		6	120		FT	4.58	3.71	
G1.5X1WH6	SLOTTED DUCT, PVC, 1.5"X1"X6', WHT	120 FT		6	120		FT	3.80	3.08	
G1.5X1WH6-A	SLOTTED DUCT, PVC,1.5"X1"X6' ADH, WHT	120 FT		6	120		FT	4.58	3.71	
G1.5X1.5BL6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', BLK	120 FT		6	120		FT	4.53	3.67	
G1.5X1.5BL6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, BLK	120 FT		6	120		FT	5.27	4.27	
G1.5X1.5DG6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', DGRY	120 FT		6	120		FT	4.53	3.67	
G1.5X1.5DG6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, DGRY	120 FT		6	120		FT	5.27	4.27	
G1.5X1.5LG6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', LGRY	120 FT		6	120		FT	4.53	3.67	
G1.5X1.5LG6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	5.27	4.27	
G1.5X1.5WH6	SLOTTED DUCT, PVC, 1.5"X1.5"X6', WHT	120 FT		6	120		FT	4.53	3.67	
G1.5X1.5WH6-A	SLOTTED DUCT, PVC,1.5"X1.5"X6' ADH, WHT	120 FT		6	120		FT	5.27	4.27	
G1.5X2BL6	SLOTTED DUCT, PVC, 1.5"X2"X6', BLK	120 FT		6	120		FT	4.95	4.01	
G1.5X2BL6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, BLK	120 FT		6	120		FT	5.70	4.62	
G1.5X2DG6	SLOTTED DUCT, PVC, 1.5"X2"X6', DGRY	120 FT		6	120		FT	4.95	4.01	
G1.5X2DG6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, DGRY	120 FT		6	120		FT	5.70	4.62	
G1.5X2LG6	SLOTTED DUCT, PVC, 1.5"X2"X6', LGRY	120 FT		6	120		FT	4.95	4.01	
G1.5X2LG6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.70	4.62	
G1.5X2WH6	SLOTTED DUCT, PVC, 1.5"X2"X6', WHT	120 FT		6	120		FT	4.95	4.01	
G1.5X2WH6-A	SLOTTED DUCT, PVC,1.5"X2"X6' ADH, WHT	120 FT		6	120		FT	5.70	4.62	
G1.5X3BL6	SLOTTED DUCT, PVC, 1.5"X3"X6', BLK	120 FT		6	120		FT	6.29	5.10	
G1.5X3BL6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, BLK	120 FT		6	120		FT	6.98	5.66	
G1.5X3DG6	SLOTTED DUCT, PVC, 1.5"X3"X6', DGRY	120 FT		6	120		FT	6.29	5.10	
G1.5X3DG6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, DGRY	120 FT		6	120		FT	6.98	5.66	
G1.5X3LG6	SLOTTED DUCT, PVC, 1.5"X3"X6', LGRY	120 FT		6	120		FT	6.29	5.10	
G1.5X3LG6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, LGRY	120 FT		6	120		FT	6.98	5.66	
G1.5X3WH6	SLOTTED DUCT, PVC, 1.5"X3"X6', WHT	120 FT		6	120		FT	6.29	5.10	
G1.5X3WH6-A	SLOTTED DUCT, PVC,1.5"X3"X6' ADH, WHT	120 FT		6	120		FT	6.98	5.66	
G1.5X4BL6	SLOTTED DUCT, PVC, 1.5"X4"X6', BLK	60 FT		6	60		FT	7.42	6.01	
G1.5X4BL6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, BLK	60 FT		6	60		FT	8.25	6.69	
G1.5X4DG6	SLOTTED DUCT, PVC, 1.5"X4"X6', DGRY	60 FT		6	60		FT	7.42	6.01	
G1.5X4DG6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, DGRY	60 FT		6	60		FT	8.25	6.69	
G1.5X4LG6	SLOTTED DUCT, PVC, 1.5"X4"X6', LGRY	60 FT		6	60		FT	7.42	6.01	
G1.5X4LG6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, LGRY	60 FT		6	60		FT	8.25	6.69	
G1.5X4WH6	SLOTTED DUCT, PVC, 1.5"X4"X6', WHT	60 FT		6	60		FT	7.42	6.01	

* Contact distributor for pricing on quantities larger than those shown.

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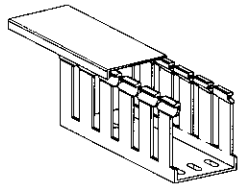

Type G — Flush Cover, Wide Finger, Slotted Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
G1.5X4WH6-A	SLOTTED DUCT, PVC,1.5"X4"X6' ADH, WHT	60 FT		6	60		FT	$ 8.25	$ 6.69	$
G2X1BL6	SLOTTED DUCT, PVC, 2"X1"X6', BLK	120 FT		6	120		FT	4.41	3.58	
G2X1BL6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, BLK	120 FT		6	120		FT	5.41	4.38	
G2X1DG6	SLOTTED DUCT, PVC, 2"X1"X6', DGRY	120 FT		6	120		FT	4.41	3.58	
G2X1DG6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, DGRY	120 FT		6	120		FT	5.41	4.38	
G2X1LG6	SLOTTED DUCT, PVC, 2"X1"X6', LGRY	120 FT		6	120		FT	4.41	3.58	
G2X1LG6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, LGRY	120 FT		6	120		FT	5.41	4.38	
G2X1WH6	SLOTTED DUCT, PVC, 2"X1"X6', WHT	120 FT		6	120		FT	4.41	3.58	
G2X1WH6-A	SLOTTED DUCT, PVC,2"X1"X6' ADH, WHT	120 FT		6	120		FT	5.41	4.38	
G2X1.5DG6	SLOTTED DUCT, PVC, 2"X1.5"X6', DGRY	120 FT		6	120		FT	4.78	3.88	
G2X1.5DG6-A	SLOTTED DUCT, PVC,2"X1.5"X6' ADH, DGRY	120 FT		6	120		FT	5.71	4.63	
G2X1.5LG6	SLOTTED DUCT, PVC, 2"X1.5"X6', LGRY	120 FT		6	120		FT	4.78	3.88	
G2X1.5LG6-A	SLOTTED DUCT, PVC,2"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	5.71	4.63	
G2X1.5WH6	SLOTTED DUCT, PVC, 2"X1.5"X6', WHT	120 FT		6	120		FT	4.78	3.88	
G2X1.5WH6-A	SLOTTED DUCT, PVC,2"X1.5"X6' ADH, WHT	120 FT		6	120		FT	5.71	4.63	
G2X2BL6	SLOTTED DUCT, PVC, 2"X2"X6', BLK	120 FT		6	120		FT	4.99	4.04	
G2X2BL6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, BLK	120 FT		6	120		FT	5.98	4.85	
G2X2DG6	SLOTTED DUCT, PVC, 2"X2"X6', DGRY	120 FT		6	120		FT	4.99	4.04	
G2X2DG6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, DGRY	120 FT		6	120		FT	5.98	4.85	
G2X2IB6	SLOTTED DUCT, PVC, 2"X2"X6', 'BLU	120 FT		6	120		FT	5.46	4.43	
G2X2IB6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, 'BLU	120 FT		6	120		FT	6.57	5.33	
G2X2LG6	SLOTTED DUCT, PVC, 2"X2"X6', LGRY	120 FT		6	120		FT	4.99	4.04	
G2X2LG6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, LGRY	120 FT		6	120		FT	5.98	4.85	
G2X2WH6	SLOTTED DUCT, PVC, 2"X2"X6', WHT	120 FT		6	120		FT	4.99	4.04	
G2X2WH6-A	SLOTTED DUCT, PVC,2"X2"X6' ADH, WHT	120 FT		6	120		FT	5.98	4.85	
G2X3BL6	SLOTTED DUCT, PVC, 2"X3"X6', BLK	60 FT		6	60		FT	6.44	5.22	
G2X3BL6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, BLK	60 FT		6	60		FT	7.45	6.04	
G2X3DG6	SLOTTED DUCT, PVC, 2"X3"X6', DGRY	60 FT		6	60		FT	6.44	5.22	
G2X3DG6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, DGRY	60 FT		6	60		FT	7.45	6.04	
G2X3IB6	SLOTTED DUCT, PVC, 2"X3"X6', 'BLU	60 FT		6	60		FT	7.06	5.73	
G2X3IB6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, 'BLU	60 FT		6	60		FT	8.21	6.66	
G2X3LG6	SLOTTED DUCT, PVC, 2"X3"X6', LGRY	60 FT		6	60		FT	6.44	5.22	
G2X3LG6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, LGRY	60 FT		6	60		FT	7.45	6.04	
G2X3WH6	SLOTTED DUCT, PVC, 2"X3"X6', WHT	60 FT		6	60		FT	6.44	5.22	
G2X3WH6-A	SLOTTED DUCT, PVC,2"X3"X6' ADH, WHT	60 FT		6	60		FT	7.45	6.04	
G2X4BL6	SLOTTED DUCT, PVC, 2"X4"X6', BLK	60 FT		6	60		FT	7.79	6.32	
G2X4BL6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, BLK	60 FT		6	60		FT	8.79	7.12	
G2X4DG6	SLOTTED DUCT, PVC, 2"X4"X6', DGRY	60 FT		6	60		FT	7.79	6.32	
G2X4DG6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, DGRY	60 FT		6	60		FT	8.79	7.12	
G2X4LG6	SLOTTED DUCT, PVC, 2"X4"X6', LGRY	60 FT		6	60		FT	7.79	6.32	
G2X4LG6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, LGRY	60 FT		6	60		FT	8.79	7.12	
G2X4WH6	SLOTTED DUCT, PVC, 2"X4"X6', WHT	60 FT		6	60		FT	7.79	6.32	
G2X4WH6-A	SLOTTED DUCT, PVC,2"X4"X6' ADH, WHT	60 FT		6	60		FT	8.79	7.12	
G2X5DG6	SLOTTED DUCT, PVC, 2"X5"X6', DGRY	60 FT		6	60		FT	10.53	8.54	
G2X5DG6-A	SLOTTED DUCT, PVC,2"X5"X6' ADH, DGRY	60 FT		6	60		FT	11.66	9.45	
G2X5LG6	SLOTTED DUCT, PVC, 2"X5"X6', LGRY	60 FT		6	60		FT	10.53	8.54	
G2X5LG6-A	SLOTTED DUCT, PVC,2"X5"X6' ADH, LGRY	60 FT		6	60		FT	11.66	9.45	
G2X5WH6	SLOTTED DUCT, PVC, 2"X5"X6', WHT	60 FT		6	60		FT	10.53	8.54	
G2X5WH6-A	SLOTTED DUCT, PVC,2"X5"X6' ADH, WHT	60 FT		6	60		FT	11.66	9.45	
G2.5X3BL6	SLOTTED DUCT, PVC, 2.5"X3"X6', BLK	120 FT		6	120		FT	6.76	5.48	
G2.5X3BL6-A	SLOTTED DUCT, PVC,2.5"X3"X6' ADH, BLK	120 FT		6	120		FT	7.76	6.29	
G2.5X3DG6	SLOTTED DUCT, PVC, 2.5"X3"X6', DGRY	120 FT		6	120		FT	6.76	5.48	
G2.5X3DG6-A	SLOTTED DUCT, PVC,2.5"X3"X6' ADH, DGRY	120 FT		6	120		FT	7.76	6.29	
G2.5X3LG6	SLOTTED DUCT, PVC, 2.5"X3"X6', LGRY	120 FT		6	120		FT	6.76	5.48	
G2.5X3LG6-A	SLOTTED DUCT, PVC,2.5"X3"X6' ADH, LGRY	120 FT		6	120		FT	7.76	6.29	

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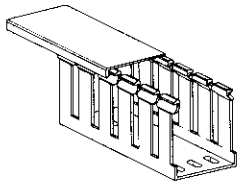

Type G — Flush Cover, Wide Finger, Slotted Wall Design

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
G2.5X3WH6	SLOTTED DUCT, PVC, 2.5"X3"X6', WHT	120 FT		6	120		FT	$ 6.76	$ 5.48	$
G2.5X3WH6-A	SLOTTED DUCT, PVC,2.5"X3"X6' ADH, WHT	120 FT		6	120		FT	7.76	6.29	
G3X1BL6	SLOTTED DUCT, PVC, 3"X1"X6', BLK	120 FT		6	120		FT	4.95	4.01	
G3X1BL6-A	SLOTTED DUCT, PVC,3"X1"X6' ADH, BLK	120 FT		6	120		FT	5.95	4.82	
G3X1DG6	SLOTTED DUCT, PVC, 3"X1"X6', DGRY	120 FT		6	120		FT	4.95	4.01	
G3X1DG6-A	SLOTTED DUCT, PVC,3"X1"X6' ADH, DGRY	120 FT		6	120		FT	5.95	4.82	
G3X1LG6	SLOTTED DUCT, PVC, 3"X1"X6', LGRY	120 FT		6	120		FT	4.95	4.01	
G3X1LG6-A	SLOTTED DUCT, PVC,3"X1"X6' ADH, LGRY	120 FT		6	120		FT	5.95	4.82	
G3X1WH6	SLOTTED DUCT, PVC, 3"X1"X6', WHT	120 FT		6	120		FT	4.95	4.01	
G3X1WH6-A	SLOTTED DUCT, PVC,3"X1"X6' ADH, WHT	120 FT		6	120		FT	5.95	4.82	
G3X2BL6	SLOTTED DUCT, PVC, 3"X2"X6', BLK	120 FT		6	120		FT	6.03	4.89	
G3X2BL6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, BLK	120 FT		6	120		FT	7.05	5.71	
G3X2DG6	SLOTTED DUCT, PVC, 3"X2"X6', DGRY	120 FT		6	120		FT	6.03	4.89	
G3X2DG6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, DGRY	120 FT		6	120		FT	7.05	5.71	
G3X2LG6	SLOTTED DUCT, PVC, 3"X2"X6', LGRY	120 FT		6	120		FT	6.03	4.89	
G3X2LG6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, LGRY	120 FT		6	120		FT	7.05	5.71	
G3X2WH6	SLOTTED DUCT, PVC, 3"X2"X6', WHT	120 FT		6	120		FT	6.03	4.89	
G3X2WH6-A	SLOTTED DUCT, PVC,3"X2"X6' ADH, WHT	120 FT		6	120		FT	7.05	5.71	
G3X3BL6	SLOTTED DUCT, PVC, 3"X3"X6', BLK	60 FT		6	60		FT	7.42	6.01	
G3X3BL6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, BLK	60 FT		6	60		FT	8.43	6.84	
G3X3DG6	SLOTTED DUCT, PVC, 3"X3"X6', DGRY	60 FT		6	60		FT	7.42	6.01	
G3X3DG6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, DGRY	60 FT		6	60		FT	8.43	6.84	
G3X3IB6	SLOTTED DUCT, PVC, 3"X3"X6', 'BLU	60 FT		6	60		FT	8.20	6.64	
G3X3IB6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, 'BLU	60 FT		6	60		FT	9.24	7.49	
G3X3LG6	SLOTTED DUCT, PVC, 3"X3"X6', LGRY	60 FT		6	60		FT	7.42	6.01	
G3X3LG6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, LGRY	60 FT		6	60		FT	8.43	6.84	
G3X3WH6	SLOTTED DUCT, PVC, 3"X3"X6', WHT	60 FT		6	60		FT	7.42	6.01	
G3X3WH6-A	SLOTTED DUCT, PVC,3"X3"X6' ADH, WHT	60 FT		6	60		FT	8.43	6.84	
G3X4BL6	SLOTTED DUCT, PVC, 3"X4"X6', BLK	60 FT		6	60		FT	8.94	7.25	
G3X4BL6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, BLK	60 FT		6	60		FT	10.24	8.30	
G3X4DG6	SLOTTED DUCT, PVC, 3"X4"X6', DGRY	60 FT		6	60		FT	8.94	7.25	
G3X4DG6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, DGRY	60 FT		6	60		FT	10.24	8.30	
G3X4LG6	SLOTTED DUCT, PVC, 3"X4"X6', LGRY	60 FT		6	60		FT	8.94	7.25	
G3X4LG6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, LGRY	60 FT		6	60		FT	10.24	8.30	
G3X4WH6	SLOTTED DUCT, PVC, 3"X4"X6', WHT	60 FT		6	60		FT	8.94	7.25	
G3X4WH6-A	SLOTTED DUCT, PVC,3"X4"X6' ADH, WHT	60 FT		6	60		FT	10.24	8.30	
G3X5DG6	SLOTTED DUCT, PVC, 3"X5"X6', DGRY	60 FT		6	60		FT	11.81	9.58	
G3X5DG6-A	SLOTTED DUCT, PVC,3"X5"X6' ADH, DGRY	60 FT		6	60		FT	13.10	10.62	
G3X5LG6	SLOTTED DUCT, PVC, 3"X5"X6', LGRY	60 FT		6	60		FT	11.81	9.58	
G3X5LG6-A	SLOTTED DUCT, PVC,3"X5"X6' ADH, LGRY	60 FT		6	60		FT	13.10	10.62	
G3X5WH6	SLOTTED DUCT, PVC, 3"X5"X6', WHT	60 FT		6	60		FT	11.81	9.58	
G3X5WH6-A	SLOTTED DUCT, PVC,3"X5"X6' ADH, WHT	60 FT		6	60		FT	13.10	10.62	
G4X1.5BL6	SLOTTED DUCT, PVC, 4"X1.5"X6', BLK	120 FT		6	120		FT	6.07	4.92	
G4X1.5BL6-A	SLOTTED DUCT, PVC,4"X1.5"X6' ADH, BLK	120 FT		6	120		FT	7.05	5.71	
G4X1.5DG6	SLOTTED DUCT, PVC, 4"X1.5"X6', DGRY	120 FT		6	120		FT	6.07	4.92	
G4X1.5DG6-A	SLOTTED DUCT, PVC,4"X1.5"X6' ADH, DGRY	120 FT		6	120		FT	7.05	5.71	
G4X1.5LG6	SLOTTED DUCT, PVC, 4"X1.5"X6', LGRY	120 FT		6	120		FT	6.07	4.92	
G4X1.5LG6-A	SLOTTED DUCT, PVC,4"X1.5"X6' ADH, LGRY	120 FT		6	120		FT	7.05	5.71	
G4X1.5WH6	SLOTTED DUCT, PVC, 4"X1.5"X6', WHT	120 FT		6	120		FT	6.07	4.92	
G4X1.5WH6-A	SLOTTED DUCT, PVC,4"X1.5"X6' ADH, WHT	120 FT		6	120		FT	7.05	5.71	
G4X2BL6	SLOTTED DUCT, PVC, 4"X2"X6', BLK	60 FT		6	60		FT	6.91	5.60	
G4X2BL6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, BLK	60 FT		6	60		FT	7.98	6.47	
G4X2DG6	SLOTTED DUCT, PVC, 4"X2"X6', DGRY	60 FT		6	60		FT	6.91	5.60	
G4X2DG6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, DGRY	60 FT		6	60		FT	7.98	6.47	
G4X2LG6	SLOTTED DUCT, PVC, 4"X2"X6', LGRY	60 FT		6	60		FT	6.91	5.60	

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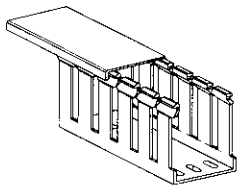
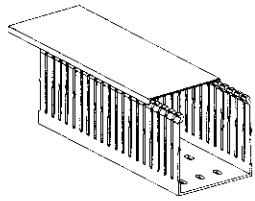
PANDUIT® Wiring Duct



Type G — Flush Cover, Wide Finger, Slotted Wall Design



Type MC — Metric Wiring Duct

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
G4X2LG6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, LGRY	60 FT		6	60		FT	$ 7.98	$ 6.47	$
G4X2WH6	SLOTTED DUCT, PVC, 4"X2"X6', WHT	60 FT		6	60		FT	6.91	5.60	
G4X2WH6-A	SLOTTED DUCT, PVC,4"X2"X6' ADH, WHT	60 FT		6	60		FT	7.98	6.47	
G4X3BL6	SLOTTED DUCT, PVC, 4"X3"X6', BLK	60 FT		6	60		FT	8.21	6.66	
G4X3BL6-A	SLOTTED DUCT, PVC,4"X3"X6' ADH, BLK	60 FT		6	60		FT	9.24	7.49	
G4X3DG6	SLOTTED DUCT, PVC, 4"X3"X6', DGRY	60 FT		6	60		FT	8.21	6.66	
G4X3DG6-A	SLOTTED DUCT, PVC,4"X3"X6' ADH, DGRY	60 FT		6	60		FT	9.24	7.49	
G4X3LG6	SLOTTED DUCT, PVC, 4"X3"X6', LGRY	60 FT		6	60		FT	8.21	6.66	
G4X3LG6-A	SLOTTED DUCT, PVC,4"X3"X6' ADH, LGRY	60 FT		6	60		FT	9.24	7.49	
G4X3WH6	SLOTTED DUCT, PVC, 4"X3"X6', WHT	60 FT		6	60		FT	8.21	6.66	
G4X3WH6-A	SLOTTED DUCT, PVC,4"X3"X6' ADH, WHT	60 FT		6	60		FT	9.24	7.49	
G4X4BL6	SLOTTED DUCT, PVC, 4"X4"X6', BLK	60 FT		6	60		FT	10.00	8.11	
G4X4BL6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, BLK	60 FT		6	60		FT	11.26	9.12	
G4X4DG6	SLOTTED DUCT, PVC, 4"X4"X6', DGRY	60 FT		6	60		FT	10.00	8.11	
G4X4DG6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, DGRY	60 FT		6	60		FT	11.26	9.12	
G4X4IB6	SLOTTED DUCT, PVC, 4"X4"X6', 'BLU	60 FT		6	60		FT	10.99	8.91	
G4X4IB6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, 'BLU	60 FT		6	60		FT	12.34	10.00	
G4X4LG6	SLOTTED DUCT, PVC, 4"X4"X6', LGRY	60 FT		6	60		FT	10.00	8.11	
G4X4LG6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, LGRY	60 FT		6	60		FT	11.26	9.12	
G4X4WH6	SLOTTED DUCT, PVC, 4"X4"X6', WHT	60 FT		6	60		FT	10.00	8.11	
G4X4WH6-A	SLOTTED DUCT, PVC,4"X4"X6' ADH, WHT	60 FT		6	60		FT	11.26	9.12	
G4X5BL6	SLOTTED DUCT, PVC, 4"X5"X6', BLK	60 FT		6	60		FT	14.01	11.36	
G4X5BL6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, BLK	60 FT		6	60		FT	15.40	12.48	
G4X5DG6	SLOTTED DUCT, PVC, 4"X5"X6', DGRY	60 FT		6	60		FT	14.01	11.36	
G4X5DG6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, DGRY	60 FT		6	60		FT	15.40	12.48	
G4X5LG6	SLOTTED DUCT, PVC, 4"X5"X6', LGRY	60 FT		6	60		FT	14.01	11.36	
G4X5LG6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, LGRY	60 FT		6	60		FT	15.40	12.48	
G4X5WH6	SLOTTED DUCT, PVC, 4"X5"X6', WHT	60 FT		6	60		FT	14.01	11.36	
G4X5WH6-A	SLOTTED DUCT, PVC,4"X5"X6' ADH, WHT	60 FT		6	60		FT	15.40	12.48	
G6X4DG6	SLOTTED DUCT, PVC, 6"X4"X6', DGRY	60 FT		6	60		FT	13.27	10.75	
G6X4LG6	SLOTTED DUCT, PVC, 6"X4"X6', LGRY	60 FT		6	60		FT	13.67	11.08	
G6X4WH6	SLOTTED DUCT, PVC, 6"X4"X6', WHT	60 FT		6	60		FT	13.67	11.08	
MC25X25IG2	SLOTTED METR'C DUCT,PVC,25MM X 25MM X 2M,'GRY	20 MR		2	20		MR	16.24	13.11	
MC25X25WH2	SLOT METR'C DUCT,PVC,25MM X 25MM X 2M,WHT	20 MR		2	20		MR	16.24	13.11	
MC25X37IG2	SLOT METR'C DUCT,PVC,25MM X 37MM X 2M,'GRY	20 MR		2	20		MR	18.69	15.15	
MC25X37WH2	SLOTT METR'C DUCT,PVC,25MM X 37MM X 2M,WHT	20 MR		2	20		MR	18.69	15.15	
MC25X50IG2	SLOT METR'C DUCT,PVC,25MM X 50MM X 2M,'GRY	20 MR		2	20		MR	19.98	16.19	
MC25X50WH2	SLOT METR'C DUCT,PVC,25MM X 50MM X 2M,WHT	20 MR		2	20		MR	19.98	16.19	
MC25X62IG2	SLOTTED METR'C DUCT,PVC,25MM X 62MM X 2M,'GRY	20 MR		2	20		MR	22.81	18.40	
MC25X62WH2	SLOT METR'C DUCT,PVC,25MM X 62MM X 2M,WHT	20 MR		2	20		MR	22.81	18.40	
MC25X75IG2	SLOTTED METR'C DUCT,PVC,25MM X 75MM X 2M,'GRY	20 MR		2	20		MR	24.96	20.23	
MC25X75WH2	SLOT METR'C DUCT,PVC,25MM X 75MM X 2M,WHT	20 MR		2	20		MR	24.96	20.23	
MC37X25IG2	SLOT METR'C DUCT,PVC,37MM X 25MM X 2M,'GRY	20 MR		2	20		MR	19.22	15.51	
MC37X25WH2	SLOT METR'C DUCT,PVC,37MM X 25MM X 2M,WHT	20 MR		2	20		MR	19.22	15.51	
MC37X37IG2	SLOTTED METR'C DUCT,PVC,37MM X 37MM X 2M,'GRY	20 MR		2	20		MR	21.95	17.71	
MC37X37WH2	SLOT METR'C DUCT,PVC,37MM X 37MM X 2M,WHT	20 MR		2	20		MR	21.95	17.71	
MC37X50IG2	SLOTTED METR'C DUCT,PVC,37MM X 50MM X 2M,'GRY	20 MR		2	20		MR	23.55	19.00	
MC37X50WH2	SLOT METR'C DUCT,PVC,37MM X 50MM X 2M,WHT	20 MR		2	20		MR	23.55	19.00	
MC37X62IG2	SLOTTED METR'C DUCT,PVC,37MM X 62MM X 2M,'GRY	20 MR		2	20		MR	24.45	19.82	
MC37X62WH2	SLOT METR'C DUCT,PVC,37MM X 62MM X 2M,WHT	20 MR		2	20		MR	24.45	19.82	
MC37X75IG2	SLOTTED METR'C DUCT,PVC,37MM X 75MM X 2M,'GRY	20 MR		2	20		MR	27.45	22.25	
MC37X75WH2	SLOT METR'C DUCT,PVC,37MM X 75MM X 2M,WHT	20 MR		2	20		MR	27.45	22.25	
MC50X25IG2	SLOT METR'C DUCT,PVC,50MM X 25MM X 2M,'GRY	20 MR		2	20		MR	22.49	18.15	
MC50X25WH2	SLOT METR'C DUCT,PVC,50MM X 25MM X 2M,WHT	20 MR		2	20		MR	22.49	18.15	
MC50X50IG2	SLOT METR'C DUCT,PVC,50MM X 50MM X 2M,'GRY	20 MR		2	20		MR	24.66	19.89	

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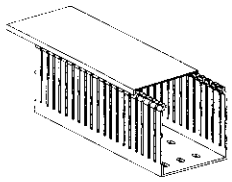
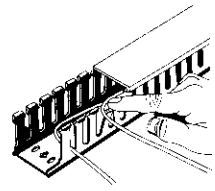
PANDUIT® Wiring Duct



Type MC — Metric Wiring Duct



Type NE —
Halogen Free Slotted Wall

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
MC50X50WH2	SLOT METR'C DUCT,PVC,50MM X 50MM X 2M,WHT	20 MR		2	20		MR	$ 24.66	$ 19.89	$
MC50X75IG2	SLOT METR'C DUCT,PVC,50MM X 75MM X 2M,'GRY	10 MR		2	10		MR	29.00	23.51	
MC50X75WH2	SLOT METR'C DUCT,PVC,50MM X 75MM X 2M,WHT	10 MR		2	10		MR	29.00	23.51	
MC50X100IG2	SLOT METR'C DUCT,PVC,50MM X 100MM X 2M,'GRY	10 MR		2	10		MR	35.32	28.50	
MC50X100WH2	SLOT METR'C DUCT,PVC,50MM X 100MM X 2M,WHT	10 MR		2	10		MR	35.32	28.50	
MC62X37IG2	SLOTTED METR'C DUCT,PVC,62MM X 37MM X 2M,'GRY	20 MR		2	20		MR	29.52	23.81	
MC62X37WH2	SLOTD METR'C DUCT,PVC,62MM X 37MM X 2M,WHT	20 MR		2	20		MR	29.52	23.81	
MC62X62IG2	SLOTTED METR'C DUCT,PVC,62MM X 62MM X 2M,'GRY	20 MR		2	20		MR	30.49	24.71	
MC62X62WH2	SLOT METR'C DUCT,PVC,62MM X 62MM X 2M,WHT	20 MR		2	20		MR	30.49	24.71	
MC75X50IG2	SLOTTED METR'C DUCT,PVC,75MM X 50MM X 2M,'GRY	20 MR		2	20		MR	31.47	25.39	
MC75X50WH2	SLOT METR'C DUCT,PVC,75MM X 50MM X 2M,WHT	20 MR		2	20		MR	31.47	25.39	
MC75X62IG2	SLOTTED METR'C DUCT,PVC,75MM X 62MM X 2M,'GRY	20 MR		2	20		MR	34.71	28.00	
MC75X62WH2	SLOT METR'C DUCT,PVC,75MM X 62MM X 2M,WHT	20 MR		2	20		MR	34.71	28.00	
MC75X75IG2	SLOTTED METR'C DUCT,PVC,75MM X 75MM X 2M,'GRY	10 MR		2	10		MR	35.27	28.59	
MC75X75WH2	SLOT METR'C DUCT,PVC,75MM X 75MM X 2M,WHT	10 MR		2	10		MR	35.27	28.59	
MC75X100IG2	SLOT METR'C DUCT,PVC,75MM X 100MM X 2M,'GRY	10 MR		2	10		MR	42.47	34.26	
MC75X100WH2	SLOT METR'C DUCT,PVC,75MM X 100MM X 2M,WHT	10 MR		2	10		MR	42.47	34.26	
MC100X50IG2	SLOT METR'C DUCT,PVC,100MM X 50MM X 2M,'GRY	10 MR		2	10		MR	40.22	32.45	
MC100X50WH2	SLOT METR'C DUCT,PVC,100MM X 50MM X 2M,WHT	10 MR		2	10		MR	40.22	32.45	
MC100X62IG2	SLOT METR'C DUCT,PVC,100MM X 62MM X 2M,'GRY	10 MR		2	10		MR	38.33	30.93	
MC100X62WH2	SLOT METR'C DUCT,PVC,100MM X 62MM X 2M,WHT	10 MR		2	10		MR	38.33	30.93	
MC100X75IG2	SLOT METR'C DUCT,PVC,100MM X 75MM X 2M,'GRY	10 MR		2	10		MR	40.91	33.17	
MC100X75WH2	SLOT METR'C DUCT,PVC,100MM X 75MM X 2M,WHT	10 MR		2	10		MR	40.91	33.17	
MC100X100IG2	SLOT METR'C DUCT,PVC,100MM X 100MM X 2M,'GRY	10 MR		2	10		MR	49.40	39.86	
MC100X100WH2	SLOT METR'C DUCT,PVC,100MM X 100MM X 2M,WHT	10 MR		2	10		MR	49.40	39.86	
NC.5LG6	DUCT COVER, HALOGEN FREE, 0.5"W X 6', LGRY	120 FT		6	120		FT	1.92	1.55	
NC.5WH6	DUCT COVER, HALOGEN FREE, 0.5"W X 6', WHT	120 FT		6	120		FT	1.92	1.55	
NC1LG6	DUCT COVER, HALOGEN FREE, 1"W X 6', LGRY	120 FT		6	120		FT	2.53	2.04	
NC1WH6	DUCT COVER, HALOGEN FREE, 1"W X 6', WHT	120 FT		6	120		FT	2.53	2.04	
NC1.5LG6	DUCT COVER, HALOGEN FREE, 1.5"W X 6', LGRY	120 FT		6	120		FT	3.15	2.54	
NC1.5WH6	DUCT COVER, HALOGEN FREE, 1.5"W X 6', WHT	120 FT		6	120		FT	3.15	2.54	
NC2LG6	DUCT COVER, HALOGEN FREE, 2"W X 6', LGRY	120 FT		6	120		FT	3.59	2.90	
NC2WH6	DUCT COVER, HALOGEN FREE, 2"W X 6', WHT	120 FT		6	120		FT	3.59	2.90	
NC2.5LG6	DUCT COVER, HALOGEN FREE, 2.5"W X 6', LGRY	120 FT		6	120		FT	4.01	3.24	
NC2.5WH6	DUCT COVER, HALOGEN FREE, 2.5"W X 6', WHT	120 FT		6	120		FT	4.01	3.24	
NC3LG6	DUCT COVER, HALOGEN FREE, 3"W X 6', LGRY	120 FT		6	120		FT	4.68	3.78	
NC3WH6	DUCT COVER, HALOGEN FREE, 3"W X 6', WHT	120 FT		6	120		FT	4.68	3.78	
NC4LG6	DUCT COVER, HALOGEN FREE, 4"W X 6', LGRY	120 FT		6	120		FT	5.81	4.69	
NC4WH6	DUCT COVER, HALOGEN FREE, 4"W X 6', WHT	120 FT		6	120		FT	5.81	4.69	
NE.5X.5WH6	SLOT DUCT, HALOGEN FREE, .5"X.5"X6', LGRY	120 FT		6	120		FT	4.10	3.31	
NE.5X.62LG6	SLOT DUCT, HALOGEN FREE, .5"X.62"X6', LGRY	120 FT		6	120		FT	4.22	3.41	
NE.5X.62WH6	SLOT DUCT, HALOGEN FREE, .5"X.62"X6', WHT	120 FT		6	120		FT	4.22	3.41	
NE.5X1LG6	SLOT DUCT, HALOGEN FREE, .5"X1"X6', LGRY	120 FT		6	120		FT	4.33	3.49	
NE.5X1WH6	SLOT DUCT, HALOGEN FREE, .5"X1"X6', WHT	120 FT		6	120		FT	4.33	3.49	
NE.5X1.25LG6	SLOT DUCT, HALOGEN FREE, .5"X1.25"X6', LGRY	120 FT		6	120		FT	4.56	3.68	
NE.5X1.25WH6	SLOT DUCT, HALOGEN FREE, .5"X1.25"X6', WHT	120 FT		6	120		FT	4.56	3.68	
NE.5X1.75LG6	SLOT DUCT, HALOGEN FREE, .5"X1.75"X6', LGRY	120 FT		6	120		FT	4.88	3.93	
NE.5X1.75WH6	SLOT DUCT, HALOGEN FREE, .5"X1.75"X6', WHT	120 FT		6	120		FT	4.88	3.93	
NE.5X1.75WH6-A	SLOT DUCT, HALOGEN FREE, .5"X1.75"X6' ADH WHT	120 FT		6	120		FT	6.46	5.21	
NE1X1LG6	SLOT DUCT, HALOGEN FREE, 1"X1"X6', LGRY	120 FT		6	120		FT	4.40	3.55	
NE1X1WH6	SLOT DUCT, HALOGEN FREE, 1"X1"X6', WHT	120 FT		6	120		FT	4.40	3.55	
NE1X1.5LG6	SLOT DUCT, HALOGEN FREE, 1"X1.5"X6', LGRY	120 FT		6	120		FT	5.70	4.60	
NE1X1.5WH6	SLOT DUCT, HALOGEN FREE, 1"X1.5"X6', WHT	120 FT		6	120		FT	5.70	4.60	
NE1X1.5WH6-A	SLOT DUCT, HALOGEN FREE, 1"X1.5"X6' ADH WHT	120 FT		6	120		FT	7.76	6.26	
NE1X2LG6	SLOT DUCT, HALOGEN FREE, 1"X2"X6', LGRY	120 FT		6	120		FT	7.22	5.82	

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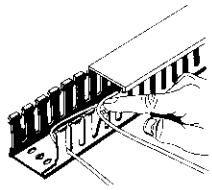

Type NE —
Halogen Free Slotted Wall

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
NE1X2WH6	SLOT DUCT, HALOGEN FREE, 1"X2"X6', WHT	120 FT		6	120		FT	$ 7.22	$ 5.82	$
NE1X2WH6-A	SLOT DUCT, HALOGEN FREE, 1"X2"X6' ADH WHT	120 FT		6	120		FT	9.13	7.37	
NE1X3LG6	SLOT DUCT, HALOGEN FREE, 1"X3"X6', LGRY	120 FT		6	120		FT	12.20	9.84	
NE1X3WH6	SLOT DUCT, HALOGEN FREE, 1"X3"X6', WHT	120 FT		6	120		FT	12.20	9.84	
NE1X4LG6	SLOT DUCT, HALOGEN FREE, 1"X4"X6', LGRY	60 FT		6	60		FT	14.82	11.96	
NE1X4WH6	SLOT DUCT, HALOGEN FREE, 1"X4"X6', WHT	60 FT		6	60		FT	14.82	11.96	
NE1.5X1.5WH6	SLOT DUCT, HALOGEN FREE, 1.5"X1.5"X6', WHT	120 FT		6	120		FT	8.13	6.56	
NE1.5X2LG6	SLOT DUCT, HALOGEN FREE, 1.5"X2"X6', LGRY	120 FT		6	120		FT	10.30	8.31	
NE1.5X2WH6	SLOT DUCT, HALOGEN FREE, 1.5"X2"X6', WHT	120 FT		6	120		FT	10.30	8.31	
NE1.5X2WH6-A	SLOT DUCT, HALOGEN FREE, 1.5"X2"X6' ADH WHT	120 FT		6	120		FT	12.30	9.93	
NE1.5X3LG6	SLOT DUCT, HALOGEN FREE, 1.5"X3"X6', LGRY	120 FT		6	120		FT	13.41	10.82	
NE1.5X3WH6	SLOT DUCT, HALOGEN FREE, 1.5"X3"X6', WHT	120 FT		6	120		FT	13.41	10.82	
NE1.5X4LG6	SLOT DUCT, HALOGEN FREE, 1.5"X4"X6', LGRY	60 FT		6	60		FT	17.56	14.17	
NE1.5X4WH6	SLOT DUCT, HALOGEN FREE, 1.5"X4"X6', WHT	60 FT		6	60		FT	17.56	14.17	
NE2X1LG6	SLOT DUCT, HALOGEN FREE, 2"X1"X6', LGRY	120 FT		6	120		FT	6.28	5.07	
NE2X1WH6	SLOT DUCT, HALOGEN FREE, 2"X1"X6', WHT	120 FT		6	120		FT	6.28	5.07	
NE2X2LG6	SLOT DUCT, HALOGEN FREE, 2"X2"X6', LGRY	120 FT		6	120		FT	10.84	8.75	
NE2X2WH6	SLOT DUCT, HALOGEN FREE, 2"X2"X6', WHT	120 FT		6	120		FT	10.84	8.75	
NE2X2WH6-A	SLOT DUCT, HALOGEN FREE, 2"X2"X6' ADH WHT	120 FT		6	120		FT	13.45	10.85	
NE2X3LG6	SLOT DUCT, HALOGEN FREE, 2"X3"X6', LGRY	60 FT		6	60		FT	15.35	12.38	
NE2X3WH6	SLOT DUCT, HALOGEN FREE, 2"X3"X6', WHT	60 FT		6	60		FT	15.35	12.38	
NE2X3WH6-A	SLOT DUCT, HALOGEN FREE, 2"X3"X6' ADH WHT	60 FT		6	60		FT	18.52	14.94	
NE2X4LG6	SLOT DUCT, HALOGEN FREE, 2"X4"X6', LGRY	60 FT		6	60		FT	19.52	15.75	
NE2X4WH6	SLOT DUCT, HALOGEN FREE, 2"X4"X6', WHT	60 FT		6	60		FT	19.52	15.75	
NE2.5X3LG6	SLOT DUCT, HALOGEN FREE, 2.5"X3"X6', LGRY	120 FT		6	120		FT	16.68	13.46	
NE2.5X3WH6	SLOT DUCT, HALOGEN FREE, 2.5"X3"X6', WHT	120 FT		6	120		FT	16.68	13.46	
NE3X1LG6	SLOT DUCT, HALOGEN FREE, 3"X1"X6', LGRY	120 FT		6	120		FT	8.99	7.26	
NE3X1WH6	SLOT DUCT, HALOGEN FREE, 3"X1"X6', WHT	120 FT		6	120		FT	8.99	7.26	
NE3X1WH6-A	SLOT DUCT, HALOGEN FREE, 3"X1"X6' ADH WHT	120 FT		6	120		FT	11.42	9.22	
NE3X2LG6	SLOT DUCT, HALOGEN FREE, 3"X2"X6', LGRY	120 FT		6	120		FT	14.96	12.07	
NE3X2WH6	SLOT DUCT, HALOGEN FREE, 3"X2"X6', WHT	120 FT		6	120		FT	14.96	12.07	
NE3X2WH6-A	SLOT DUCT, HALOGEN FREE, 3"X2"X6' ADH WHT	120 FT		6	120		FT	18.13	14.63	
NE3X3LG6	SLOT DUCT, HALOGEN FREE, 3"X3"X6', LGRY	60 FT		6	60		FT	17.69	14.27	
NE3X3LG6-A	SLOT DUCT, HALOGEN FREE, 3"X3"X6' ADH LGRY	60 FT		6	60		FT	21.08	17.01	
NE3X3WH6	SLOT DUCT, HALOGEN FREE, 3"X3"X6', WHT	60 FT		6	60		FT	17.69	14.27	
NE3X3WH6-A	SLOT DUCT, HALOGEN FREE, 3"X3"X6' ADH WHT	60 FT		6	60		FT	21.08	17.01	
NE3X4LG6	SLOT DUCT, HALOGEN FREE, 3"X4"X6', LGRY	60 FT		6	60		FT	22.39	18.06	
NE3X4WH6	SLOT DUCT, HALOGEN FREE, 3"X4"X6', WHT	60 FT		6	60		FT	22.39	18.06	
NE3X5LG6	SLOT DUCT, HALOGEN FREE, 3"X5"X6', LGRY	60 FT		6	60		FT	28.39	22.90	
NE3X5WH6	SLOT DUCT, HALOGEN FREE, 3"X5"X6', WHT	60 FT		6	60		FT	28.39	22.90	
NE4X2LG6	SLOT DUCT, HALOGEN FREE, 4"X2"X6', LGRY	60 FT		6	60		FT	16.35	13.19	
NE4X2WH6	SLOT DUCT, HALOGEN FREE, 4"X2"X6', WHT	60 FT		6	60		FT	16.35	13.19	
NE4X2WH6-A	SLOT DUCT, HALOGEN FREE, 4"X2"X6' ADH WHT	60 FT		6	60		FT	19.62	15.83	
NE4X3LG6	SLOT DUCT, HALOGEN FREE, 4"X3"X6', LGRY	60 FT		6	60		FT	21.65	17.47	
NE4X3WH6	SLOT DUCT, HALOGEN FREE, 4"X3"X6', WHT	60 FT		6	60		FT	21.65	17.47	
NE4X3WH6-A	SLOT DUCT, HALOGEN FREE, 4"X3"X6' ADH WHT	60 FT		6	60		FT	26.51	21.39	
NE4X4LG6	SLOT DUCT, HALOGEN FREE, 4"X4"X6', LGRY	60 FT		6	60		FT	25.75	20.77	
NE4X4WH6	SLOT DUCT, HALOGEN FREE, 4"X4"X6', WHT	60 FT		6	60		FT	25.75	20.77	
NE4X4WH6-A	SLOT DUCT, HALOGEN FREE, 4"X4"X6' ADH WHT	60 FT		6	60		FT	30.55	24.65	
NE4X5LG6	SLOT DUCT, HALOGEN FREE, 4"X5"X6', LGRY	60 FT		6	60		FT	29.09	23.47	
NE4X5WH6	SLOT DUCT, HALOGEN FREE, 4"X5"X6', WHT	60 FT		6	60		FT	29.09	23.47	
NE4X5WH6-A	SLOT DUCT, HALOGEN FREE, 4"X5"X6' ADH WHT	60 FT		6	60		FT	39.18	31.61	
NNA1-C	NYLON NA'L ANCHOR FOR MASONRY APPL.	100 PC		1	100		C	27.37	22.08	
NR1-C	DUCT NYLON PUSH R'VET FOR MOUNT'NG	100 PC	1000	1	100		C	13.20	10.65	
NR1-M	DUCT NYLON PUSH R'VET FOR MOUNT'NG	1000 PC	5000	1	1000		M	115.91	93.52	

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UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
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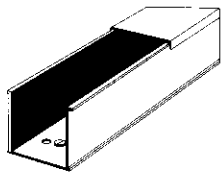
All prices subject to change without notice.



Type NS —
Halogen Free Solid Wall

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
NS.5X.5WH6NM	SOLID RACEWAY, HALOGEN FREE, .5"X.5"X6'	120 FT		6	120		FT	$ 3.94	$ 3.18	$
NS.5X.62LG6NM	SOLID RACEWAY, HALOGEN FREE, .5"X.62"X6'	120 FT		6	120	486	FT	4.04	3.26	2.93
NS.5X.62WH6NM	SOLID RACEWAY, HALOGEN FREE, .5"X.62"X6'	120 FT		6	120	486	FT	4.04	3.26	2.93
NS.5X1LG6NM	SOLID RACEWAY, HALOGEN FREE, .5"X1"X6'	120 FT		6	120	486	FT	4.17	3.37	3.02
NS.5X1WH6NM	SOLID RACEWAY, HALOGEN FREE, .5"X1"X6'	120 FT		6	120	486	FT	4.17	3.37	3.02
NS.5X1.25LG6NM	SOLID RACEWAY, HALOGEN FREE, .5"X1.25"X6'	120 FT		6	120	486	FT	4.31	3.48	3.13
NS.5X1.25WH6NM	SOLID RACEWAY, HALOGEN FREE, .5"X1.25"X6'	120 FT		6	120	486	FT	4.31	3.48	3.13
NS.5X1.75LG6NM	SOLID RACEWAY, HALOGEN FREE, .5"X1.75"X6'	120 FT		6	120	486	FT	4.64	3.75	3.37
NS.5X1.75WH6NM	SOLID RACEWAY, HALOGEN FREE, .5"X1.75"X6'	120 FT		6	120	486	FT	4.64	3.75	3.37
NS1X1LG6NM	SOLID RACEWAY, HALOGEN FREE, 1"X1"X6'	120 FT		6	120	486	FT	4.22	3.41	3.06
NS1X1WH6NM	SOLID RACEWAY, HALOGEN FREE, 1"X1"X6'	120 FT		6	120	486	FT	4.22	3.41	3.06
NS1X1.5LG6NM	SOLID RACEWAY, HALOGEN FREE, 1"X1.5"X6'	120 FT		6	120	486	FT	5.44	4.40	3.95
NS1X1.5WH6NM	SOLID RACEWAY, HALOGEN FREE, 1"X1.5"X6'	120 FT		6	120	486	FT	5.44	4.40	3.95
NS1X2LG6NM	SOLID RACEWAY, HALOGEN FREE, 1"X2"X6'	120 FT		6	120	486	FT	6.86	5.54	4.98
NS1X2WH6NM	SOLID RACEWAY, HALOGEN FREE, 1"X2"X6'	120 FT		6	120	486	FT	6.86	5.54	4.98
NS1X3LG6NM	SOLID RACEWAY, HALOGEN FREE, 1"X3"X6'	120 FT		6	120	486	FT	11.61	9.38	8.42
NS1X3WH6NM	SOLID RACEWAY, HALOGEN FREE, 1"X3"X6'	120 FT		6	120	486	FT	11.61	9.38	8.42
NS1X4LG6NM	SOLID RACEWAY, HALOGEN FREE, 1"X4"X6'	60 FT		6	60	486	FT	14.03	11.33	10.18
NS1X4WH6NM	SOLID RACEWAY, HALOGEN FREE, 1"X4"X6'	60 FT		6	120	486	FT	14.03	11.33	10.18
NS1.5X1.5LG6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X1.5"X6'	120 FT		6	120	486	FT	7.72	6.23	5.60
NS1.5X1.5WH6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X1.5"X6'	120 FT		6	120	486	FT	7.72	6.23	5.60
NS1.5X2LG6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X2"X6'	120 FT		6	120	486	FT	9.76	7.88	7.08
NS1.5X2WH6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X2"X6'	120 FT		6	120	486	FT	9.76	7.88	7.08
NS1.5X3LG6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X3"X6'	120 FT		6	120	486	FT	12.79	10.33	9.28
NS1.5X3WH6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X3"X6'	120 FT		6	120	486	FT	12.79	10.33	9.28
NS1.5X4LG6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X4"X6'	60 FT		6	60	486	FT	16.65	13.45	12.08
NS1.5X4WH6NM	SOLID RACEWAY, HALOGEN FREE, 1.5"X4"X6'	60 FT		6	60	486	FT	16.65	13.45	12.08
NS2X1LG6NM	SOLID RACEWAY, HALOGEN FREE, 2"X1"X6'	120 FT		6	120	486	FT	6.01	4.85	4.36
NS2X2LG6NM	SOLID RACEWAY, HALOGEN FREE, 2"X2"X6'	120 FT		6	120	486	FT	10.26	8.29	7.44
NS2X2WH6NM	SOLID RACEWAY, HALOGEN FREE, 2"X2"X6'	120 FT		6	120	486	FT	10.26	8.29	7.44
NS2X3LG6NM	SOLID RACEWAY, HALOGEN FREE, 2"X3"X6'	60 FT		6	60	486	FT	14.58	11.77	10.57
NS2X3WH6NM	SOLID RACEWAY, HALOGEN FREE, 2"X3"X6'	60 FT		6	60	486	FT	14.58	11.77	10.57
NS2X4LG6NM	SOLID RACEWAY, HALOGEN FREE, 2"X4"X6'	60 FT		6	60	486	FT	18.51	14.95	13.42
NS2X4WH6NM	SOLID RACEWAY, HALOGEN FREE, 2"X4"X6'	60 FT		6	60	486	FT	18.51	14.95	13.42
NS2.5X3LG6NM	SOLID RACEWAY, HALOGEN FREE, 2.5"X3"X6'	120 FT		6	120	486	FT	15.85	12.80	11.50
NS2.5X3WH6NM	SOLID RACEWAY, HALOGEN FREE, 2.5"X3"X6'	120 FT		6	120	486	FT	15.85	12.80	11.50
NS3X1LG6NM	SOLID RACEWAY, HALOGEN FREE, 3"X1"X6'	120 FT		6	120	486	FT	8.61	6.95	6.24
NS3X1WH6NM	SOLID RACEWAY, HALOGEN FREE, 3"X1"X6'	120 FT		6	120	486	FT	8.61	6.95	6.24
NS3X2LG6NM	SOLID RACEWAY, HALOGEN FREE, 3"X2"X6'	120 FT		6	120	486	FT	14.21	11.48	10.31
NS3X2WH6NM	SOLID RACEWAY, HALOGEN FREE, 3"X2"X6'	120 FT		6	120	486	FT	14.21	11.48	10.31
NS3X3LG6NM	SOLID RACEWAY, HALOGEN FREE, 3"X3"X6'	60 FT		6	60	486	FT	16.80	13.57	12.18
NS3X3WH6NM	SOLID RACEWAY, HALOGEN FREE, 3"X3"X6'	60 FT		6	60	486	FT	16.80	13.57	12.18
NS3X4LG6NM	SOLID RACEWAY, HALOGEN FREE, 3"X4"X6'	60 FT		6	60	486	FT	21.26	17.17	15.42
NS3X4WH6NM	SOLID RACEWAY, HALOGEN FREE, 3"X4"X6'	60 FT		6	60	486	FT	21.26	17.17	15.42
NS3X5LG6NM	SOLID RACEWAY, HALOGEN FREE, 3"X5"X6'	60 FT		6	60	486	FT	26.95	21.77	19.55
NS3X5WH6NM	SOLID RACEWAY, HALOGEN FREE, 3"X5"X6'	60 FT		6	60	486	FT	26.95	21.77	19.55
NS4X2LG6NM	SOLID RACEWAY, HALOGEN FREE, 4"X2"X6'	60 FT		6	60	486	FT	15.52	12.54	11.26
NS4X2WH6NM	SOLID RACEWAY, HALOGEN FREE, 4"X2"X6'	60 FT		6	60	486	FT	15.52	12.54	11.26
NS4X3LG6NM	SOLID RACEWAY, HALOGEN FREE, 4"X3"X6'	60 FT		6	60	486	FT	20.53	16.58	14.89
NS4X3WH6NM	SOLID RACEWAY, HALOGEN FREE, 4"X3"X6'	60 FT		6	60	486	FT	20.53	16.58	14.89
NS4X4LG6NM	SOLID RACEWAY, HALOGEN FREE, 4"X4"X6'	60 FT		6	60	486	FT	24.48	19.77	17.75
NS4X4WH6NM	SOLID RACEWAY, HALOGEN FREE, 4"X4"X6'	60 FT		6	60	486	FT	24.48	19.77	17.75
NS4X5LG6NM	SOLID RACEWAY, HALOGEN FREE, 4"X5"X6'	60 FT		6	60	486	FT	31.83	25.71	23.09
NS4X5WH6NM	SOLID RACEWAY, HALOGEN FREE, 4"X5"X6'	60 FT		6	60	486	FT	31.83	25.71	23.09
PC.75CL6	DUCT COVER, POLYCARB, 0.75"W X 6', CLR	120 FT		6	120		FT	3.33	2.67	

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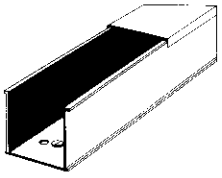
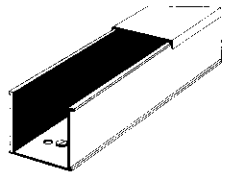
PANDUIT® Wiring Duct



Type PS —
Clear Polycarbonate
Solid Wall Raceway



Type S —
Solid Wall Raceway

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
PC1CL6	DUCT COVER, POLYCARB, 1"W X 6', CLR	120 FT		6	120		FT	$ 5.26	$ 4.22	$
PC1.5CL6	DUCT COVER, POLYCARB, 1.5"W X 6', CLR	120 FT		6	120		FT	5.53	4.44	
PC2CL6	DUCT COVER, POLYCARB, 2"W X 6', CLR	120 FT		6	120		FT	5.41	4.34	
PC3CL6	DUCT COVER, POLYCARB, 3"W X 6', CLR	120 FT		6	120		FT	7.15	5.74	
PC4CL6	DUCT COVER, POLYCARB, 4"W X 6', CLR	120 FT		6	120		FT	18.25	14.64	
PE.75X1CL6	SLOTTED DUCT, POLYCARB, .75"X1"X6' CLR	120 FT		6	120		FT	12.67	10.16	
PE1X2CL6	SLOTTED DUCT, POLYCARB, 1"X2"X6' CLR	120 FT		6	120		FT	16.73	13.42	
PE1X3CL6	SLOTTED DUCT, POLYCARB, 1"X3"X6' CLR	120 FT		6	120		FT	22.42	17.99	
PE1.5X1.5CL6	SLOTTED DUCT, POLYCARB, 1.5"X1.5"X6' CLR	120 FT		6	120		FT	15.80	12.67	
PE2X2CL6	SLOTTED DUCT, POLYCARB, 2"X2"X6' CLR	120 FT		6	120		FT	17.51	14.05	
PE3X1.25CL6	SLOTTED DUCT, POLYCARB, 3"X1.25"X6' CLR	120 FT		6	120		FT	18.98	15.23	
PE4X4CL6	SLOTTED DUCT, POLYCARB, 4"X4"X6' CLR	60 FT		6	60		FT	42.33	33.96	
PFEC2X2CL	F'BER OPT'C, POLYCARB, 2"X2" END CAP	1 PC	5	1	10		PC	9.45	9.01	
PFEC4X4CL	F'BER OPT'C, POLYCARB, 4"X4" END CAP	1 PC	5	1	10		PC	10.93	10.43	
PS.75X1CL6-A	SOL'D RACEWAY, POLYCARB, .75"X1"X6', ADH	120 FT		6	120		FT	13.17	10.59	
PS.75X1CL6NM	SOL'D RACEWAY, POLYCARB, .75"X1"X6'	120 FT		6	120		FT	11.42	9.18	
PS1.5X1.5CL6NM	SOL'D RACEWAY, POLYCARB, 1.5"X1.5"X6'	120 FT		6	120		FT	14.23	11.45	
PS2X1.5CL6NM	SOL'D RACEWAY, POLYCARB, 2"X1.5"X6'	120 FT		6	120		FT	14.55	11.70	
PS2X2CL6NM	SOL'D RACEWAY/F'BER DUCT, POLY, 2"X2"X6'	120 FT		6	120		FT	16.35	13.15	
PS2X2CL6NMP	SOL'D RACEWAY/F'BER DUCT, POLY, 2"X2"X6'	120 FT		6	120		FT	18.30	14.77	
PS2X2CL6P	SOL'D RACEWAY/F'BER DUCT, POLY, 2"X2"X6'	120 FT		6	120		FT	18.30	14.77	
PS3X1.25CL6NM	SOL'D RACEWAY, POLYCARB, 3"X1.25"X6'	120 FT		6	120		FT	17.09	13.74	
PS4X4CL6NM	SOL'D RACEWAY/F'BER DUCT, POLY, 4"X4"X6'	60 FT		6	60		FT	38.07	30.75	
PS4X4CL6NMP	SOL'D RACEWAY/F'BER DUCT, POLY, 4"X4"X6'	60 FT		6	60		FT	44.35	35.78	
PS4X4CL6P	SOL'D RACEWAY/F'BER DUCT, POLY, 4"X4"X6'	60 FT		6	60		FT	44.35	35.78	
S.5-C	SNAP-CL'P FASTENER W/SCREW, 0.5"W DUCT	100 PC	1000	1	100		C	106.97	86.31	
S.5X.5BL6NM-A	SOL'D RACEWAY, .5"X.5"X6', NO HL, ADH	120 FT		6	120		FT	3.17	2.56	
S.5X.5LG6NM	SOL'D RACEWAY, .5"X.5"X6', NO HL	120 FT		6	120		FT	2.55	2.06	
S.5X.5LG6NM-A	SOL'D RACEWAY, .5"X.5"X6', NO HL, ADH	120 FT		6	120		FT	3.17	2.56	
S.5X.5WH6NM	SOL'D RACEWAY, .5"X.5"X6', NO HL	120 FT		6	120		FT	2.55	2.06	
S.5X.62DG6NM	SOL'D RACEWAY, .5"X.62"X6', NO HL	120 FT		6	120		FT	2.68	2.16	
S.5X.62LG6NM-A	SOL'D RACEWAY, .5"X.62"X6', NO HL, ADH	120 FT		6	120		FT	3.20	2.59	
S.5X.62WH6NM-A	SOL'D RACEWAY, .5"X.62"X6', NO HL, ADH	120 FT		6	120		FT	3.20	2.59	
S.5X1LG6NM	SOL'D RACEWAY, .5"X1"X6', NO HL	120 FT		6	120		FT	3.02	2.44	
S.5X1WH6NM-A	SOL'D RACEWAY, .5"X1"X6', NO HL, ADH	120 FT		6	120		FT	3.55	2.87	
S.5X1.75LG6NM	SOL'D RACEWAY, .5"X1.75"X6', NO HL	120 FT		6	120		FT	3.97	3.20	
S.75-C	SNAP-CL'P FASTENER W/SCREW, 0.75"W DUCT	100 PC	1000	1	100		C	115.88	93.49	
S.75X.75BL6NM	SOL'D RACEWAY, .75"X.75"X6', NO HL	120 FT		6	120		FT	3.02	2.44	
S.75X.75BL6NM-A	SOL'D RACEWAY, .75"X.75"X6', NO HL, ADH	120 FT		6	120		FT	3.55	2.87	
S.75X.75LG6NM-A	SOL'D RACEWAY, .75"X.75"X6', NO HL, ADH	120 FT		6	120		FT	3.55	2.87	
S.75X.75WH6NM	SOL'D RACEWAY, .75"X.75"X6', NO HL	120 FT		6	120		FT	3.02	2.44	
S.75X1LG6NM	SOL'D RACEWAY, .75"X1"X6', NO HL	120 FT		6	120		FT	3.26	2.63	
S.75X1.5DG6NM	SOL'D RACEWAY, .75"X1.5"X6', NO HL	120 FT		6	120		FT	3.97	3.20	
S.75X1.5LG6NM	SOL'D RACEWAY, .75"X1.5"X6', NO HL	120 FT		6	120		FT	3.97	3.20	
S.75X2WH6NM	SOL'D RACEWAY, .75"X2"X6', NO HL	120 FT		6	120		FT	4.70	3.79	
S1-C	SNAP-CL'P FASTENER W/SCREW, 1"W DUCT	100 PC	1000	1	100		C	130.68	105.44	
S1F-C	SNAP-CL'P FASTENER W/SCREW, 1"W DUCT	100 PC	1000	1	100		C	143.14	115.49	
S1X1BL6NM	SOL'D RACEWAY, 1"X1"X6', NO HL	120 FT		6	120		FT	3.19	2.57	
S1X1DG6NM	SOL'D RACEWAY, 1"X1"X6', NO HL	120 FT		6	120		FT	3.19	2.57	
S1X1LG6NM	SOL'D RACEWAY, 1"X1"X6', NO HL	120 FT		6	120		FT	3.19	2.57	
S1X1WH6NM	SOL'D RACEWAY, 1"X1"X6', NO HL	120 FT		6	120		FT	3.19	2.57	
S1X1WH6NM-A	SOL'D RACEWAY, 1"X1"X6', NO HL, ADH	120 FT		6	120		FT	3.73	3.01	
S1X1.5BL6NM	SOL'D RACEWAY, 1"X1.5"X6', NO HL	120 FT		6	120		FT	3.98	3.21	
S1X1.5LG6NM	SOL'D RACEWAY, 1"X1.5"X6', NO HL	120 FT		6	120		FT	3.98	3.21	
S1X1.5WH6NM	SOL'D RACEWAY, 1"X1.5"X6', NO HL	120 FT		6	120		FT	3.98	3.21	

* Contact distributor for pricing on quantities larger than those shown.

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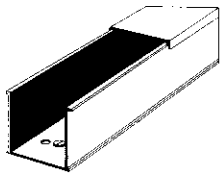

Type S —
Solid Wall Raceway

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
S1X2DG6NM	SOLID RACEWAY, 1"X2"X6', NO HL	120 FT		6	120		FT	$ 4.38	$ 3.54	$
S1X2LG6NM	SOLID RACEWAY, 1"X2"X6', NO HL	120 FT		6	120		FT	4.38	3.54	
S1X2.5LG6NM	SOLID RACEWAY, 1"X2.5"X6', NO HL	120 FT		6	120		FT	4.79	3.86	
S1X3LG6NM	SOLID RACEWAY, 1"X3"X6', NO HL	120 FT		6	120		FT	5.65	4.56	
S1X3WH6NM	SOLID RACEWAY, 1"X3"X6', NO HL	120 FT		6	120		FT	5.65	4.56	
S1.5-C	SNAP-CLIP FASTENER W/SCREW, 1.5"W DUCT	100 PC	1000	1	100		C	134.66	108.64	
S1.5F-C	SNAP-CLIP FASTENER W/SCREW, 1.5"W DUCT	100 PC	1000	1	100		C	147.51	119.01	
S1.5X1BL6	SOLID RACEWAY, 1.5"X1"X6'	120 FT		6	120		FT	3.95	3.19	
S1.5X1BL6NM	SOLID RACEWAY, 1.5"X1"X6', NO HL	120 FT		6	120		FT	3.77	3.04	
S1.5X1DG6NM	SOLID RACEWAY, 1.5"X1"X6', NO HL	120 FT		6	120		FT	3.77	3.04	
S1.5X1LG6NM	SOLID RACEWAY, 1.5"X1"X6', NO HL	120 FT		6	120		FT	3.77	3.04	
S1.5X1WH6NM	SOLID RACEWAY, 1.5"X1"X6', NO HL	120 FT		6	120		FT	3.77	3.04	
S1.5X1.5BL6NM	SOLID RACEWAY, 1.5"X1.5"X6', NO HL	120 FT		6	120		FT	4.38	3.54	
S1.5X1.5DG6NM	SOLID RACEWAY, 1.5"X1.5"X6', NO HL	120 FT		6	120		FT	4.38	3.54	
S1.5X1.5LG6NM	SOLID RACEWAY, 1.5"X1.5"X6', NO HL	120 FT		6	120		FT	4.38	3.54	
S1.5X1.5WH6NM	SOLID RACEWAY, 1.5"X1.5"X6', NO HL	120 FT		6	120		FT	4.38	3.54	
S1.5X2BL6NM	SOLID RACEWAY, 1.5"X2"X6', NO HL	120 FT		6	120		FT	4.70	3.79	
S1.5X2DG6NM	SOLID RACEWAY, 1.5"X2"X6', NO HL	120 FT		6	120		FT	4.70	3.79	
S1.5X2LG6NM	SOLID RACEWAY, 1.5"X2"X6', NO HL	120 FT		6	120		FT	4.70	3.79	
S1.5X2LG6NM-A	SOLID RACEWAY, 1.5"X2"X6', NO HL, ADH	120 FT		6	120		FT	5.16	4.16	
S1.5X2WH6NM	SOLID RACEWAY, 1.5"X2"X6', NO HL	120 FT		6	120		FT	4.70	3.79	
S1.5X3BL6NM	SOLID RACEWAY, 1.5"X3"X6', NO HL	120 FT		6	120		FT	5.97	4.81	
S1.5X3LG6NM	SOLID RACEWAY, 1.5"X3"X6', NO HL	120 FT		6	120		FT	5.97	4.81	
S1.5X3WH6NM	SOLID RACEWAY, 1.5"X3"X6', NO HL	120 FT		6	120		FT	5.97	4.81	
S2-C	SNAP-CLIP FASTENER W/SCREW, 2"W DUCT	100 PC	1000	1	100		C	157.85	127.36	
S2F-C	SNAP-CLIP FASTENER W/SCREW, 2"W DUCT	100 PC	1000	1	100		C	172.88	139.49	
S2X1BL6NM	SOLID RACEWAY, 2"X1"X6', NO HL	120 FT		6	120		FT	4.33	3.50	
S2X1LG6NM	SOLID RACEWAY, 2"X1"X6', NO HL	120 FT		6	120		FT	4.33	3.50	
S2X1WH6NM	SOLID RACEWAY, 2"X1"X6', NO HL	120 FT		6	120		FT	4.33	3.50	
S2X1.5DG6NM	SOLID RACEWAY, 2"X1.5"X6', NO HL	120 FT		6	120		FT	4.66	3.76	
S2X1.5LG6NM	SOLID RACEWAY, 2"X1.5"X6', NO HL	120 FT		6	120		FT	4.66	3.76	
S2X1.5WH6NM	SOLID RACEWAY, 2"X1.5"X6', NO HL	120 FT		6	120		FT	4.66	3.76	
S2X2BL6NM	SOLID RACEWAY/F'BER DUCT, 2"X2"X6' NO HL	120 FT		6	120		FT	4.72	3.81	
S2X2BL6NM-A	SOLID RACEWAY, 2"X2"X6', NO HL, ADH	120 FT		6	120		FT	5.42	4.37	
S2X2BL6NMP	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2BL6P	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2DG6NM	SOLID RACEWAY, 2"X2"X6', NO HL	120 FT		6	120		FT	4.72	3.81	
S2X2DG6NM-A	SOLID RACEWAY, 2"X2"X6', NO HL, ADH	120 FT		6	120		FT	5.42	4.37	
S2X2IB6NM	SOLID RACEWAY, 2"X2"X6', NO HL	120 FT		6	120		FT	5.68	4.59	
S2X2LG6NM	SOLID RACEWAY/F'BER DUCT, 2"X2"X6' NO HL	120 FT		6	120		FT	4.72	3.81	
S2X2LG6NM-A	SOLID RACEWAY, 2"X2"X6', NO HL, ADH	120 FT		6	120		FT	5.42	4.37	
S2X2LG6NMP	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2LG6P	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2OR6NM	SOLID RACEWAY/F'BER DUCT, 2"X2"X6' NO HL	120 FT		6	120		FT	4.72	3.81	
S2X2OR6NMP	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2OR6P	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2WH6NM	SOLID RACEWAY, 2"X2"X6', NO HL	120 FT		6	120		FT	4.72	3.81	
S2X2WH6NM-A	SOLID RACEWAY, 2"X2"X6', NO HL, ADH	120 FT		6	120		FT	5.42	4.37	
S2X2YL6	SOLID RACEWAY/F'BER DUCT, 2"X2"X6' NO HL	120 FT		6	120		FT	4.95	3.99	
S2X2YL6NM	SOLID RACEWAY, 2"X2"X6', NO HL	120 FT		6	120		FT	4.72	3.81	
S2X2YL6NMP	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2YL6P	SOLID RACEWAY/F'BER DUCT, 2"X2"X6'	120 FT		6	120		FT	5.68	4.59	
S2X2.5LG6NM	SOLID RACEWAY, 2"X2.5"X6', NO HL	60 FT		6	60		FT	5.90	4.76	
S2X3BL6NM	SOLID RACEWAY, 2"X3"X6', NO HL	60 FT		6	60		FT	6.11	4.93	
S2X3IB6NM	SOLID RACEWAY, 2"X3"X6', NO HL	60 FT		6	60		FT	6.69	5.40	

* Contact distributor for pricing on quantities larger than those shown.

UOM: C = per 100, **M** = per 1000, **PC** = per piece, **FT** = per foot, **RL** = per roll, **PK** = per package, **BK** = per book, **KT** = per kit, **CG** = per card, **SH** = per sheet.
Contact distributor for information and pricing on bulk package parts. Refer to Panduit Product Catalogs for specific design characteristics of products listed.
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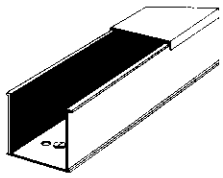

Type S —
Solid Wall Raceway

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
S2X3LG6NM	SOLID RACEWAY, 2"X3"X6', NO HL	60 FT		6	60		FT	$ 6.11	$ 4.93	$
S2X3LG6NM-A	SOLID RACEWAY, 2"X3"X6', NO HL, ADH	60 FT		6	60		FT	6.76	5.45	
S2X3WH6NM	SOLID RACEWAY, 2"X3"X6', NO HL	60 FT		6	60		FT	6.11	4.93	
S2X4BL6NM	SOLID RACEWAY, 2"X4"X6', NO HL	60 FT		6	60		FT	7.37	5.95	
S2X4DG6NM	SOLID RACEWAY, 2"X4"X6', NO HL	60 FT		6	60		FT	7.37	5.95	
S2X4LG6NM	SOLID RACEWAY, 2"X4"X6', NO HL	60 FT		6	60		FT	7.37	5.95	
S2X4WH6NM	SOLID RACEWAY, 2"X4"X6', NO HL	60 FT		6	60		FT	7.37	5.95	
S2X5LG6NM	SOLID RACEWAY, 2"X5"X6', NO HL	60 FT		6	60		FT	10.34	8.35	
S2.5-C	SNAP-CLIP FASTENER W/SCREW, 2.5"W DUCT	100 PC		1	100		C	159.58	128.75	
S2.5X3LG6NM	SOLID RACEWAY, 2.5"X3"X6', NO HL	120 FT		6	120		FT	6.62	5.35	
S2.5X3WH6NM	SOLID RACEWAY, 2.5"X3"X6', NO HL	120 FT		6	120		FT	6.62	5.35	
S3-C	SNAP-CLIP FASTENER W/SCREW, 3"W DUCT	100 PC	1000	1	100		C	161.36	130.19	
S3F-C	SNAP-CLIP FASTENER W/SCREW, 3"W DUCT	100 PC	1000	1	100		C	176.72	142.58	
S3X1LG6NM	SOLID RACEWAY, 3"X1"X6', NO HL	120 FT		6	120		FT	4.86	3.92	
S3X1LG6NM-A	SOLID RACEWAY, 3"X1"X6', NO HL, ADH	120 FT		6	120		FT	5.57	4.50	
S3X1WH6NM	SOLID RACEWAY, 3"X1"X6', NO HL	120 FT		6	120		FT	4.86	3.92	
S3X1WH6NM-A	SOLID RACEWAY, 3"X1"X6', NO HL, ADH	120 FT		6	120		FT	5.57	4.50	
S3X1.25BL6NM	SOLID RACEWAY, 3"X1.25"X6', NO HL	120 FT		6	120		FT	5.84	4.72	
S3X1.25LG6NM	SOLID RACEWAY, 3"X1.25"X6', NO HL	120 FT		6	120		FT	5.84	4.72	
S3X1.25WH6NM	SOLID RACEWAY, 3"X1.25"X6', NO HL	120 FT		6	120		FT	5.84	4.72	
S3X2BL6NM	SOLID RACEWAY, 3"X2"X6', NO HL	120 FT		6	120		FT	5.77	4.66	
S3X2LG6NM	SOLID RACEWAY, 3"X2"X6', NO HL	120 FT		6	120		FT	5.77	4.66	
S3X2WH6NM	SOLID RACEWAY, 3"X2"X6', NO HL	120 FT		6	120		FT	5.77	4.66	
S3X3BL6NM	SOLID RACEWAY, 3"X3"X6', NO HL	60 FT		6	60		FT	7.06	5.69	
S3X3IB6NM	SOLID RACEWAY, 3"X3"X6', NO HL	60 FT		6	60		FT	7.74	6.25	
S3X3LG6NM	SOLID RACEWAY, 3"X3"X6', NO HL	60 FT		6	60		FT	7.06	5.69	
S3X3LG6NM-A	SOLID RACEWAY, 3"X3"X6', NO HL, ADH	60 FT		6	60		FT	7.67	6.19	
S3X3WH6NM	SOLID RACEWAY, 3"X3"X6', NO HL	60 FT		6	60		FT	7.06	5.69	
S3X3WH6NM-A	SOLID RACEWAY, 3"X3"X6', NO HL, ADH	60 FT		6	60		FT	7.67	6.19	
S3X4BL6NM	SOLID RACEWAY, 3"X4"X6', NO HL	60 FT		6	60		FT	8.55	6.90	
S3X4LG6NM	SOLID RACEWAY, 3"X4"X6', NO HL	60 FT		6	60		FT	8.55	6.90	
S3X4WH6NM	SOLID RACEWAY, 3"X4"X6', NO HL	60 FT		6	60		FT	8.55	6.90	
S3X5DG6NM	SOLID RACEWAY, 3"X5"X6', NO HL	60 FT		6	60		FT	11.58	9.35	
S3X5LG6NM	SOLID RACEWAY, 3"X5"X6', NO HL	60 FT		6	60		FT	11.58	9.35	
S4-C	SNAP-CLIP FASTENER W/SCREW, 4"W DUCT	100 PC	1000	1	100		C	170.79	137.80	
S4F-C	SNAP-CLIP FASTENER W/SCREW, 4"W DUCT	100 PC	1000	1	100		C	187.11	150.96	
S4X1.5BL6NM	SOLID RACEWAY, 4"X1.5"X6', NO HL	120 FT		6	120		FT	5.97	4.82	
S4X1.5LG6NM	SOLID RACEWAY, 4"X1.5"X6', NO HL	120 FT		6	120		FT	5.97	4.82	
S4X2BL6NM	SOLID RACEWAY, 4"X2"X6', NO HL	60 FT		6	60		FT	6.81	5.50	
S4X2BL6NM-A	SOLID RACEWAY, 4"X2"X6', NO HL, ADH	60 FT		6	60		FT	7.48	6.04	
S4X2LG6NM	SOLID RACEWAY, 4"X2"X6', NO HL	60 FT		6	60		FT	6.81	5.50	
S4X2WH6NM	SOLID RACEWAY, 4"X2"X6', NO HL	60 FT		6	60		FT	6.81	5.50	
S4X3LG6NM	SOLID RACEWAY, 4"X3"X6', NO HL	60 FT		6	60		FT	8.06	6.51	
S4X3WH6NM	SOLID RACEWAY, 4"X3"X6', NO HL	60 FT		6	60		FT	8.06	6.51	
S4X4BL6NM	SOLID RACEWAY/FIBER DUCT, 4"X4"X6' NO HL	60 FT		6	60		FT	9.49	7.65	
S4X4BL6NM-A	SOLID RACEWAY, 4"X4"X6', NO HL, ADH	60 FT		6	60		FT	10.19	8.22	
S4X4BL6NMP	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	11.44	9.23	
S4X4BL6P	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	11.44	9.23	
S4X4DG6NM	SOLID RACEWAY, 4"X4"X6', NO HL	60 FT		6	60		FT	9.49	7.65	
S4X4LG6NM	SOLID RACEWAY/FIBER DUCT, 4"X4"X6' NO HL	60 FT		6	60		FT	9.49	7.65	
S4X4LG6NM-A	SOLID RACEWAY, 4"X4"X6', NO HL, ADH	60 FT		6	60		FT	10.19	8.22	
S4X4LG6NMP	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	11.44	9.23	
S4X4LG6P	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	11.44	9.23	
S4X4OR6NM	SOLID RACEWAY/FIBER DUCT, 4"X4"X6' NO HL	60 FT		6	60		FT	9.49	7.65	
S4X4OR6NMP	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	11.44	9.23	

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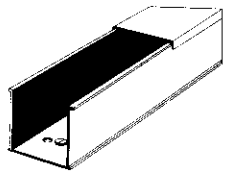

Type S —
Solid Wall Raceway

Part Number	Description	Package Qty.	Carton Qty.	Trade Price Quantities			Price UOM	Suggested Trade Prices		
				Qty 1	Qty 2	Qty 3		Price 1	Price 2	Price 3
S4X4OR6P	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	$ 11.44	$ 9.23	$
S4X4WH6NM	SOLID RACEWAY, 4"X4"X6', NO HL	60 FT		6	60		FT	9.49	7.65	
S4X4YL6	SOLID RACEWAY/FIBER DUCT, 4"X4"X6' NO HL	60 FT		6	60		FT	9.96	8.04	
S4X4YL6NM	SOLID RACEWAY, 4"X4"X6', NO HL	60 FT		6	60		FT	9.49	7.65	
S4X4YL6NMP	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	11.44	9.23	
S4X4YL6P	SOLID RACEWAY/FIBER DUCT, 4"X4"X6'	60 FT		6	60		FT	11.44	9.23	
S4X5DG6NM	SOLID RACEWAY, 4"X5"X6', NO HL	60 FT		6	60		FT	13.34	10.76	
S4X5LG6NM	SOLID RACEWAY, 4"X5"X6', NO HL	60 FT		6	60		FT	13.34	10.76	
S4X5WH6NM	SOLID RACEWAY, 4"X5"X6', NO HL	60 FT		6	60		FT	13.34	10.76	
SD2H6	SLOTTED DUCT DIVIDER WALL, PVC, 2"H X 6'	120 FT		6	120		FT	2.46	1.99	
SD3H6	SLOTTED DUCT DIVIDER WALL, PVC, 3"H X 6'	120 FT		6	120		FT	3.64	2.94	
SD4H6	SLOTTED DUCT DIVIDER WALL, PVC, 4"H X 6'	120 FT		6	120		FT	4.14	3.34	
SNS.5-C	SNAP-CLIP FASTENER NO SCREW, 0.5"W DUCT	100 PC	1000	1	100		C	83.34	67.24	
SNS.75-C	SNAP-CLIP FASTENER NO SCREW, 0.75"W DUCT	100 PC	1000	1	100		C	86.70	69.95	
SNS1-C	SNAP-CLIP FASTENER NO SCREW, 1"W DUCT	100 PC	1000	1	100		C	94.97	76.62	
SNS1F-C	SNAP-CLIP FASTENER NO SCREW, 1"W DUCT	100 PC	1000	1	100		C	104.02	83.92	
SNS1.5-C	SNAP-CLIP FASTENER NO SCREW, 1.5"W DUCT	100 PC	1000	1	100		C	101.34	81.76	
SNS1.5F-C	SNAP-CLIP FASTENER NO SCREW, 1.5"W DUCT	100 PC	1000	1	100		C	110.97	89.53	
SNS2-C	SNAP-CLIP FASTENER NO SCREW, 2"W DUCT	100 PC	1000	1	100		C	120.28	97.04	
SNS2F-C	SNAP-CLIP FASTENER NO SCREW, 2"W DUCT	100 PC	1000	1	100		C	131.77	106.32	
SNS2.5-C	SNAP-CLIP FASTENER NO SCREW, 2.5"W DUCT	100 PC	1000	1	100		C	123.46	99.61	
SNS3-C	SNAP-CLIP FASTENER NO SCREW, 3"W DUCT	100 PC	1000	1	100		C	126.63	102.17	
SNS3F-C	SNAP-CLIP FASTENER NO SCREW, 3"W DUCT	100 PC	1000	1	100		C	138.64	111.85	
SNS4-C	SNAP-CLIP FASTENER NO SCREW, 4"W DUCT	100 PC	1000	1	100		C	139.27	112.36	
SNS4F-C	SNAP-CLIP FASTENER NO SCREW, 4"W DUCT	100 PC	1000	1	100		C	152.54	123.07	
TNR	NYLON RIVET INSTALLATION TOOL	1 PC		1	10		PC	125.72	119.43	
WR2-C	DUCT WIRE RETAINER, TYPE E & G, 2"	100 PC	1000	1	100		C	79.08	63.44	
WR3-C	DUCT WIRE RETAINER, TYPE E & G, 3"	100 PC	1000	1	100		C	80.41	64.50	
WR4-C	DUCT WIRE RETAINER, TYPE E & G, 4"	100 PC	1000	1	100		C	95.53	76.64	
WR5-C	DUCT WIRE RETAINER, TYPE E & G, 5"	100 PC	1000	1	100		C	114.84	92.13	
WRS-A-C10	DUCT WIRE RETAINER, TYPE D & FS, ADJ.	100 PC	1000	1	100		C	75.33	60.43	

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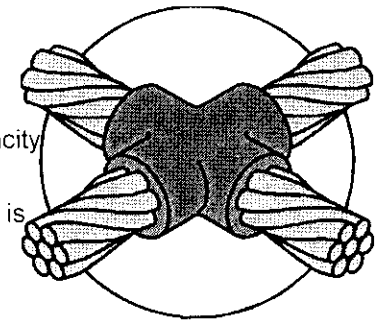
thermOweld®

THE ULTIMATE CONNECTION | A DIVISION OF CONTINENTAL INDUSTRIES

MOLDS + SHOTS X.72
ACCESORIES X.57

LIST PRICE SHEET TE-21
EFFECTIVE AUGUST 1, 1997
ThermOweld® Electrical Connections



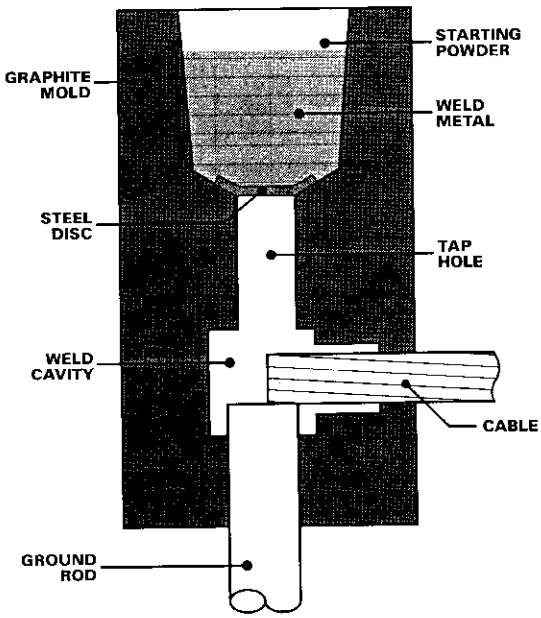
ThermOweld Electrical Connections are:

- PERMANENT — Fusion weld will not loosen or corrode at point of contact.
- MORE CONDUCTIVE — All ThermOweld® connections have current carrying capacity greater than the conductor.
- ECONOMICAL — The average cost of 4/0 ThermOweld® cable connections is less than half that of mechanical connectors.

THERMOWELD® EXOTHERMIC CONNECTIONS

The ThermOweld® connection is a molecular weld. The weld metal has the same melting point as copper. Because of these factors along with the increased cross section of the connection, ThermOweld® connections:

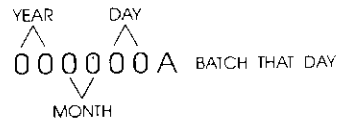
1. Will not be affected by a high current surge. Tests have shown that the electrical conductor will melt before the ThermOweld® connection when subjected to high short-circuit current. Consult I.E.E.E. Standard 837-1989.
2. Will not loosen or corrode at the point of weld. There are no contact surfaces or mechanical pressures involved. A ThermOweld® connection becomes an integral part of the conductor.
3. Have a current-carrying capacity equal to or greater than that of the conductors.



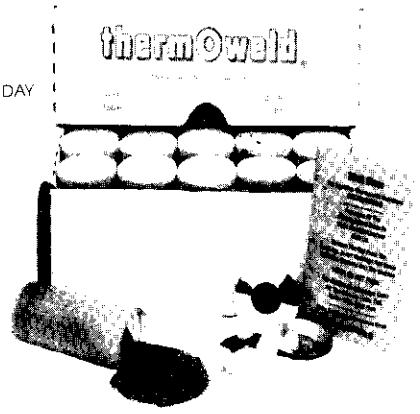
Cutaway Section of CR-1 Type Mold

WELD METAL PACKAGING

ThermOweld® weld metal is packed in moisture-resistant plastic cartridges that have tight fitting caps. These cartridges and the necessary steel discs are then packed in boxes that are hermetically-sealed in plastic bags. This insures the powder arriving in good condition, always dry and ready for fast positive ignition. Each box has a seven digit control number stamped on the top.



Control Number



4102 SOUTH 74TH EAST AVENUE / P.O. BOX 994
TULSA, OKLAHOMA 74101
PHONE (918) 663-1440 FAX (918) 622-1275

FAST DRAW SERVICE

ThermOweld® will provide fast draw service under the following conditions:

1. Fast draw service applies to ThermOweld® molds, powders and in stock accessories.
2. **Customer pays shipping charges** and must specify method of shipment when fast draw service is requested.
3. ThermOweld® will make a definite commitment to ship within 24 hours, on orders received before 12:00 noon central time.

NOTES:

1. The total quantity of molds allowable on a fast draw service is 6.
2. If a mold must be designed and tested, it cannot be included on a fast draw order due to the time it takes to design and test a mold.
3. Reference correct column on discount sheet for pricing.

RUSH ORDER SERVICE

ThermOweld® will provide rush order service under the following conditions:

1. Rush order service applies to ThermOweld® molds, powders and in stock accessories.
2. **Customer pays shipping charges** and must specify method of shipment when rush order service is requested.
3. ThermOweld® will make a definite commitment to ship within 48 hours, on orders received before 12:00 noon central time.

NOTES:

1. The total quantity of molds allowable on a rush order service is 6.
2. If a mold must be designed and tested, it cannot be included on a rush order due to the time it takes to design and test a mold.
3. Reference correct column on discount sheet for pricing.

Terms & Conditions

F.O.B. Factory, Freight Allowed on orders $650 or more Net. Shipped by Common Carriers to destinations in the Continental U.S. There will be no allowance if shipped by more expensive carriers.
Terms - Net 30 days
Taxes - We reserve the right to add any tax imposed by law.
Minimum Ordering Quantities are indicated. We reserve the right to supply full carton or multiples, thereof, on all orders. Refer to complete conditions of sales on reverse side of factory invoice.

WARRANTY: ThermOweld® products are fully warranted against defective material and workmanship as follows: Any product found to be defective and with prior written notice and return of the product, a replacement will be sent at no charge, freight prepaid, without any further expense to seller. This warranty covers the products only to the extent and purpose for which they are intended. Any misuse or abuse of the product voids this warranty. No claims for labor or other expenses necessary to replace or repair damages caused by defective products will be allowed.

RETURNING MATERIAL: Permission and shipping instructions for returning material must be obtained from the seller. Only material regularly carried in stock will be considered for return. A restocking charge of 25% or minimum $25.00 service charge will apply on all material accepted for return. Please note that most molds are considered "specials" and not returnable.

SHORTAGES: Claims for errors or shortages must be made within 5 day after receipt of materials.

SHIPPING DAMAGES: Accept shipment and note on Bill of Lading that "Carton was broken or damaged" in transit. Notify carrier and shipper in writing within 5 days after receipt. Any concealed damages must be reported in writing to the carrier and shipper within 30 days after receipt.

Prices Subject to Change without Notice

ThermOweld® Weld Metal

ThermOweld® Standard Weld Metal
Price per each cartridge

Size	Qty Per Carton	Weight LBS/STD PKG	Price Each
15	20	1.2	1.45
25	20	1.4	1.70
32	20	1.9	1.95
45	20	2.9	2.85
65	20	3.3	3.50

Weld Metal is sold in full carton quantities only. Less than standard box quantities will be automatically increased without further notice.
See page 75 in the catalog for additional information on ThermOweld® Weld Metal.

Size	Qty Per Carton	Weight LBS/STD PKG	Price Each
90	10	2.8	4.90
115	10	3.6	6.05
150	10	4.4	7.60
200	10	5.1	9.45
250	10	6.1	11.00
500	10	13.1	20.85

ThermOweld® Weld Metal For Welding
To Cast Iron Only
Price per each cartridge

Size	Qty Per Carton	Weight LBS/STD PKG	Price Each
25CI	20	1.4	2.00
32CI	20	1.9	2.50
45CI	20	2.9	3.20
65CI	20	3.2	3.95

ThermOweld® Molds

Price Key	Price Each	Handle Clamp	Price Each
4	73.15	40-0106-00	39.55
5	155.05	40-0107-00	41.60

Note: Flint gun is included with handles.

Molds Requiring Frames

Handle Clamps Where Required are not Included

Price Key	Mold W/Frame Price Each	Mold Only Price Each	Frame Only Price Each	Handle Clamps Required	Handle Clamps Only Price Each
3	45.65	31.70	14.45	N/A	N/A
6	N/A	174.20	N/A	40-0107-00	41.60
7	209.60	148.20	63.50	40-0106-00	39.55
8	308.10	244.50	66.80	40-0107-00	41.60
10	337.35	270.25	72.50	N/A	N/A
14	130.75	97.70	34.40	N/A	N/A
15	229.20	151.70	79.80	N/A	N/A
16	327.35	248.00	82.80	N/A	N/A
17	N/A	99.30	N/A	40-0106-00	39.55

For Additional Information on ThermOmolds and Frames, see pages 72-74 in the catalog.
To Order Mold Only, Without Frame, add suffix "-G" to Mold Number.

Molds with wear plates Suffix "W" add $7.65 for each mold opening

Example: M-241-W has 3 openings: add $22.95 to mold Price.

Molds with split crucibles Suffix "C" add $7.35 to mold Price.

See page 74 in the catalog for additional information.

EconoMolds

Handle Clamps are included with Mold

Price Key	Price Each Includes Handle	Mold Only Price Each	Handle Clamp	Price Each
18	71.90	46.90	40-4565-00	25.80
19	78.35	53.45	40-4565-00	25.80
20	89.95	65.05	40-4565-00	25.80

To Order Mold Only, Without Handle Clamps, add suffix "-G" to Mold Number.

FOR FAST DRAW or RUSH ORDER SERVICE See Page 2

ThermOweld® Accessories			
Catalog Number	**Description**	**Ref. Cat. Page #**	**Price Each**
37-0320-01	3/4" Discs for Cartridge Sizes #15 thru #65 (20 per package)	-	.05
37-0320-02	1" Discs for Cartridge Sizes #90 thru #115 (10 per package)	-	.05
37-0320-03	1 1/2" Discs for Cartridge Sizes #150 thru #500 (10 per package)	-	.05
38-0101-00	Rasp	78	90.10
38-0101-01	Replacement Blade for 38-0101-00 Rasp	78	74.40
38-0135-00	Cable Cleaning Brush	79	27.50
38-0135-01	Replacement Brush	79	6.60
38-0302-00	Tool Kit Without Rasp	78	94.65
38-0302-02	Tool Kit With Rasp	78	184.80
38-0303-00	Tool Box Only	78	29.45
38-0304-00	8" File	78	8.25
38-0305-00	Wire Brush	78	4.00
38-0306-00	Card Cloth Brush	79	4.80
38-0307-00	Crimping Tool	78	8.50
38-0308-00	Screwdriver	78	9.20
38-0309-00	Flint Gun	78	5.00
38-0309-01	Replacement Flints for 38-0309-00	78	.50
38-0311-00	Hammer Die for 1/0 Str Cable	39	32.05
38-0312-00	Hammer Die for 2/0 Str Cable	39	32.05
38-0313-00	Hammer Die for 4/0 Str Cable	39	32.05
38-0330-00	Cable Clamp	77	84.80
38-0331-00	Galvanizing Bar	79	12.35
38-0904-00	Flint Gun Extension	-	36.55
38-3922-00	Natural Bristle Brush	-	4.05
38-4129-00	Packing Material (1 lb package)	77	5.85
38-4129-05	Packing Material (5 lb package)	77	21.80
38-4384-00	Aerosol Cold Galvanizing Compound 16 oz Can	79	14.20
38-4391-00	Propane Bottle With Self Igniting Torch Head	77	66.80
38-4391-01	Self Igniting Torch Head	77	64.45
38-4391-02	Propane Bottle Refill	77	6.25
38-4855-00	Heavy Canvas Gloves with Leather Palms	-	3.75
38-4856-00	Safety Glasses	-	8.40
40-0319-01	Mold Cleaner for Cartridge Sizes #15 thru #65	79	2.15
40-0319-03	Mold Cleaner for Cartridge Sizes #90 thru #115	79	2.15
40-0319-05	Mold Cleaner for Cartridge Sizes #150 thru #250	79	2.15
40-0319-06	Mold Cleaner for Cartridge Size #500	79	2.15

Aircraft Grounding Receptacles	
Part Number	Price Each
38-0119-00	60.75

See page 67 in the catalog for additional information.

Ground Plates	
Part Number	Price Each
38-2864-00	18.55
38-4177-00	26.70
38-2999-00	20.65
38-4051-00	27.90
38-4178-00	32.50

See page 64 in the catalog for additional information.

STRAIGHT TINNED COPPER LUGS						
Size	One Hole Lug		Two Hole Lug		Four Hole Lug	
	Part #	Price Each	Part #	Price Each	Part #	Price Each
1/8 x 1	38-4200-00	2.10	38-4202-00	3.75	N/A	
3/16 x 1	38-4203-00	2.75	38-4205-00	5.25	N/A	
1/4 x 1	38-4206-00	4.00	38-4208-00	7.00	N/A	
1/4 x 1-1/2	38-4212-00	6.30	38-4214-00	10.10	N/A	
1/4 x 2	N/A		38-3605-00	13.80	N/A	
3/8 x 1-1/2	38-4215-00	10.10	38-4217-00	17.10	N/A	
3/8 x 2	38-4218-00	16.25	38-4220-00	22.65	N/A	
1/4 x 3	N/A		N/A		38-4221-00	21.45
3/8 x 3	N/A		N/A		38-4225-00	33.70
1/2 x 3	N/A		N/A		38-4226-00	44.80
OFFSET TINNED COPPER LUGS						
Size	One Hole Lug		Two Hole Lug		Four Hole Lug	
	Part #	Price Each	Part #	Price Each	Part #	Price Each
1/8 x 1	38-4150-00	2.65	38-4152-00	4.30	N/A	
3/16 x 1	38-4153-00	3.85	38-4155-00	6.15	N/A	
3/16 x 1	N/A		38-4154-00	4.70	N/A	
1/4 x 1	38-4156-00	5.40	38-4158-00	8.45	N/A	
1/4 x 1-1/2	38-4162-00	8.40	38-4164-00	12.30	N/A	
1/4 x 2	N/A		38-3607-00	18.40	N/A	
3/8 x 1-1/2	38-4165-00	15.30	38-4167-00	22.35	N/A	
3/8 x 2	38-4168-00	24.10	38-4170-00	30.25	N/A	
1/4 x 3	N/A		N/A		38-4171-00	28.15
3/8 x 3	N/A		N/A		38-4175-00	43.90
1/2 x 3	N/A		N/A		38-4176-00	58.20

See pages 69-70 in the catalog for additional information.

Contact Factory for Price and Availability of 45 Degree Lugs

ThermOchange Clamps			
Catalog Number	Description	Ref. Cat. Page #	Price Each
40-0106-00	ThermOchange Clamp For Use With Price Key 4, 7 & 17 Molds	75	39.55
40-0107-00	ThermOchange Clamp For Use With Price Key 5, 6 & 8 Molds	75	41.60
40-4565-00	ThermOchange Clamp For Use With Price Key 18, 19 & 20 Molds (EconoMolds)	-	36.20
Special ThermOchange Clamps			
Catalog Number	Description	Ref. Cat. Page #	Price Each
40-0106-27	20" Chain Extension	75	8.00
40-0106-32	Vertical Chain Clamp For 40-0106-00 Use With Mold Types CS-3, CS-4, CS-7 & CS-23	75	80.40
40-0106-37	Horizontal Chain Clamp For 40-0106-00 Use With Mold Types CS-1, CS-2, CS-8 & CS-9	76	80.40
40-0107-32	Vertical Chain Clamp For 40-0107-00 Use With Mold Types CS-3, CS-4, CS-7 & CS-23	76	80.40
40-4431-00	Magnetic Clamp For 40-0106-00 Use With Mold Types CS-3, CS-4, CS-7 & CS-23	76	200.25
40-3657-00	Mold Support Clamp	76	27.05

Adapter Sleeves		
Catalog Number	Unit Quantity	Price Each
38-0200-00	100	0.15
38-0201-00	100	0.20
38-0202-00	100	0.15
38-0203-00	100	0.25
38-0204-00	100	0.20
38-0205-00	100	0.25
38-0206-00	100	0.30
38-0207-00	100	0.20
38-0209-00	100	0.30
38-0240-00	100	0.50
38-0241-00	100	0.60
Sleeving Shim Stock		
Catalog Number	Unit Quantity	Price Each
38-0329-00	100	0.20

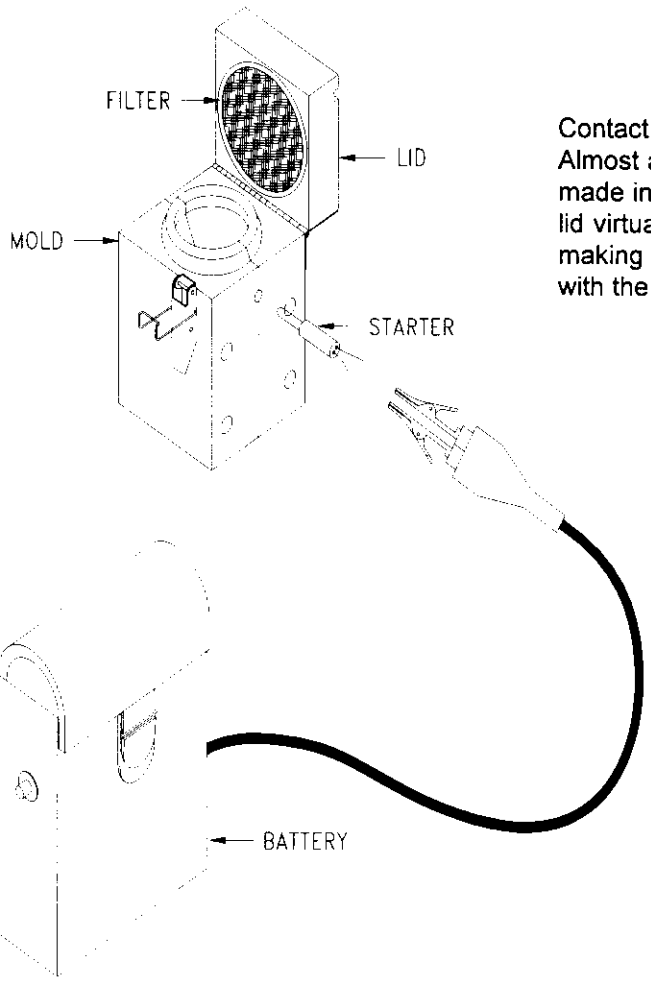
See page 80 in the catalog for additional information.

Rebar Packing		
Part Number	Carton Quantity	Price Each
38-4060-00	Copper Wool (see note)	12.50
Part Number	**Carton Quantity**	**Price Each**
38-4061-00	25 Per Box	.70
38-4062-00	25 Per Box	.70
38-4063-00	25 Per Box	.70
38-4064-00	25 Per Box	.70

Note: 38-4060-00 is a copper-wool packing with enough in each bag to do between 40 and 50 welds.

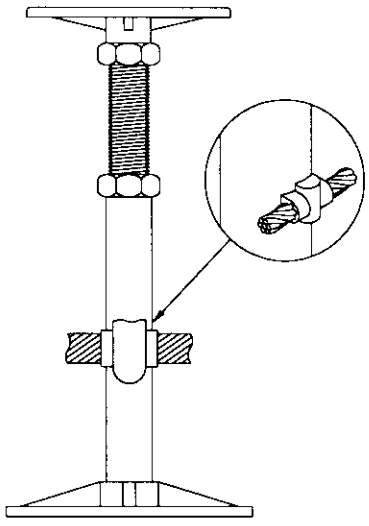
Ground Rod Driving Sleeves		
Part Number	Ground Rod Size	Price Each
38-3662-01	1/2" Copper Clad and Steel	11.40
38-3662-02	5/8" Copper Clad	11.40
38-3662-05	5/8" Steel	11.40
38-3662-03	3/4" Copper Clad	11.40
38-3662-06	3/4" Steel	11.40
38-3662-04	1" Copper Clad	11.40
38-3662-07	1" Steel	11.40

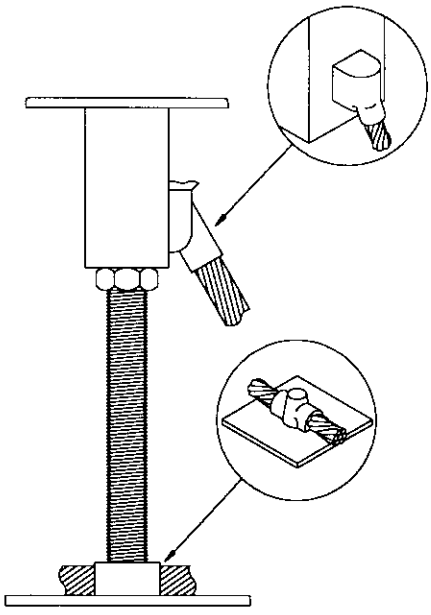
See page 80 in the catalog for additional information.



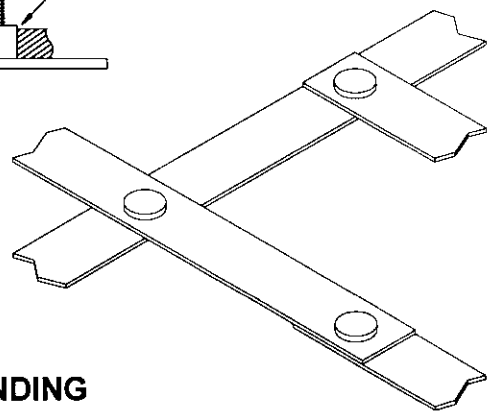
SMOKELESS MOLDS

Contact ThermOweld® for smokeless molds. Almost any standard catalog mold can be made into a smokeless mold. The filter in the lid virtually remove all visible smoke when making a connection. Ignition is accomplished with the use a rechargeable battery pack.





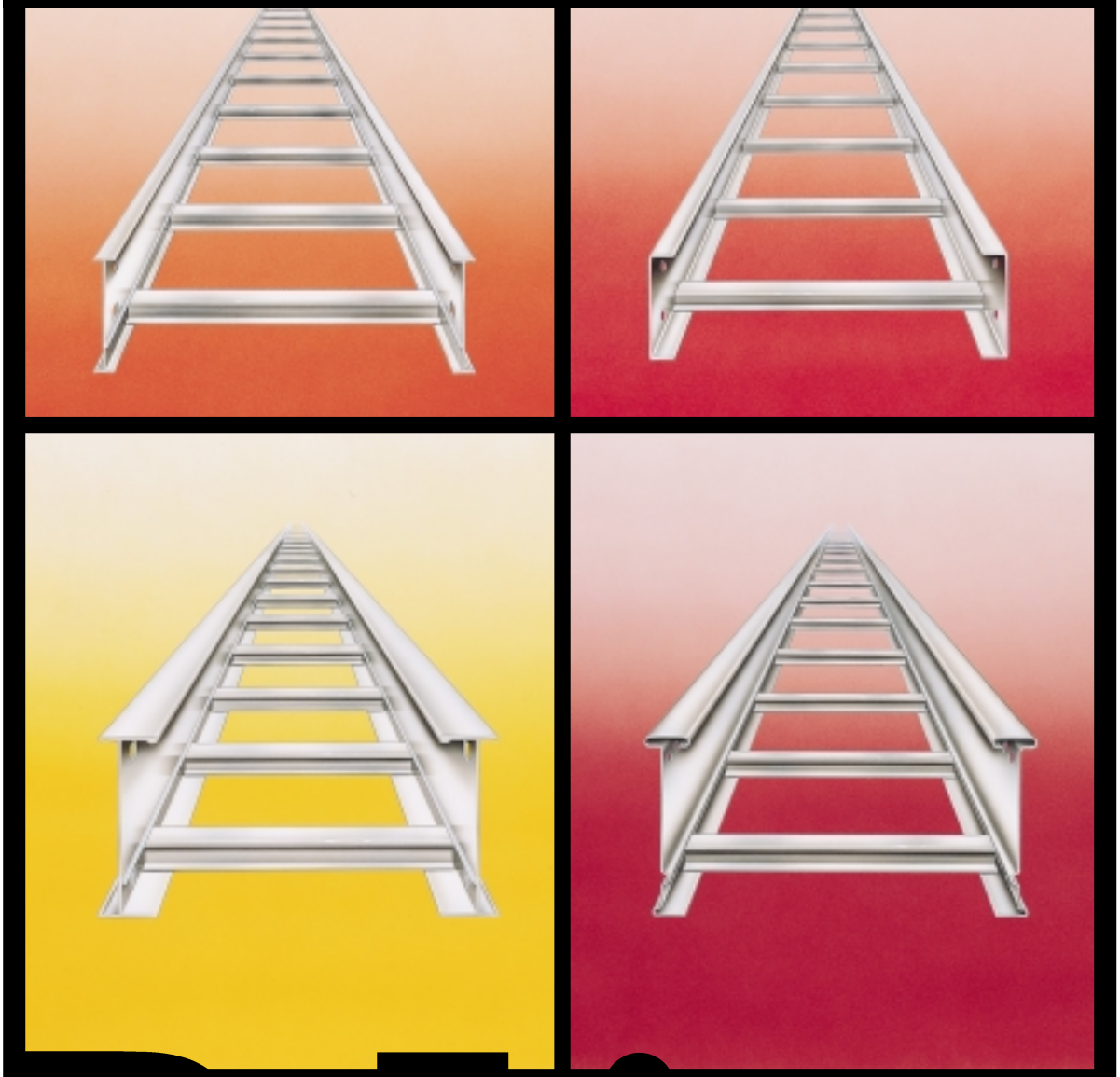
Contact ThermOweld® for your computer room grounding requirements. See page 46 in the catalog for additional information. ThermOweld® molds are also available in a smokeless form. Contact factory for additional information.



COMPUTER ROOM GROUNDING

CABLE TRAY SYSTEMS

ALUMINUM • STEEL • STAINLESS STEEL



B-Line®

Introduction

B-Line Systems was formed in 1956 and has over 30 years experience manufacturing cable tray systems in which it has grown to become the industry leader. This growth was achieved by offering unmatched quality in both service and products.

Today B-Line stands alone in its customer service resources with cable tray fabrication location at six locations throughout the United States. Strategically located facilities alone do not generate unmatched service. The professional staff at B-Line is knowledgeable, energetic, and care about customer needs. The right attitude coupled with the facilities does generate unsurpassed customer service.

B-Line's product offerings also set new standards. B-Line manufactures cable support product lines that bridge both the electrical and telecom markets. Each of those product lines are engineered to provide top performance while offering unique installation savings. This catalog is dedicated to the metallic, two side rail, cable tray systems.

NEMA MEMBER

Your Local Representative is:

B-Line® Systems Inc. Home Office
509 W. Monroe Avenue
Highland Illinois 62249-0326
Phone: 618-654-2184
Fax: 618-654-1917

B-Line Systems Inc.

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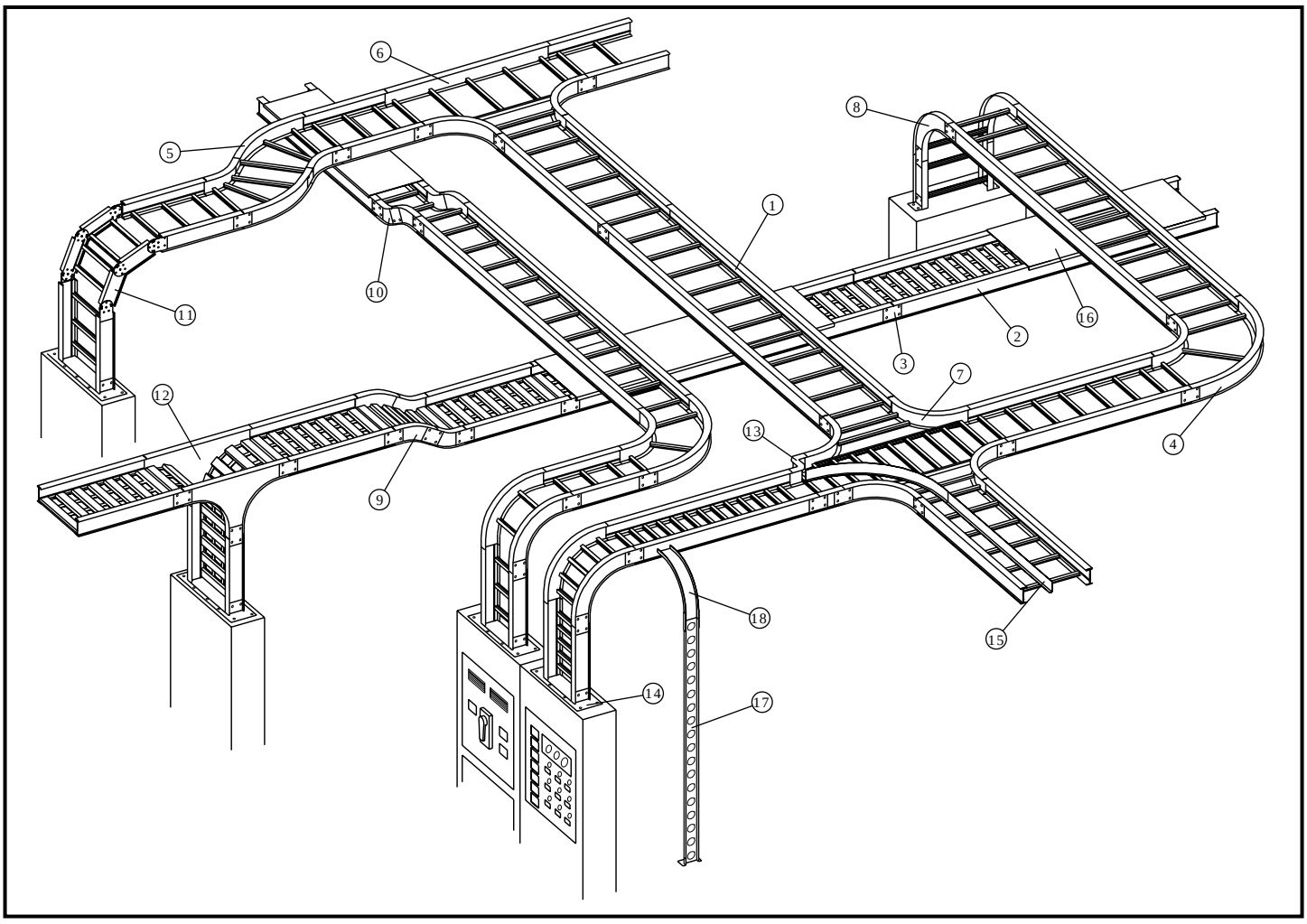
Important notice: The information herein has been carefully checked for accuracy and is believed to be correct and current. No warranty, either expressed or implied, is made as to either its applicability to or its compatibility with specific requirements of this information, nor for damages consequential to its use. All design characteristics, specifications, tolerances and similar information are subject to change without notice.

Cable Tray Systems

B-Line Cable Trays-
Designed for Your Cable Support Requirements



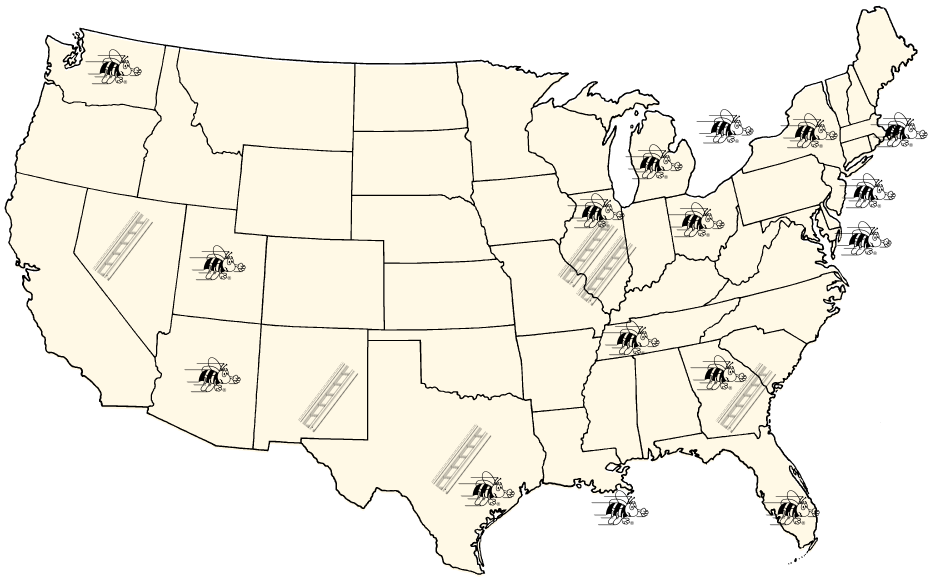
Nomenclature

1. **Ladder Type Cable Tray**
2. **Ventilated Trough Type Cable Tray**
3. **Straight Splice Plate**
4. **90° Horizontal Bend, Ladder Type Cable Tray**
5. **45° Horizontal Bend, Ladder Type Cable Tray**
6. **Horizontal Tee, Ladder Type Cable Tray**
7. **Horizontal Cross, Ladder Type Cable Tray**
8. **90° Vertical Outside Bend, Ladder Type Cable Tray**
9. **45° Vertical Outside Bend, Ventilated Type Cable Tray**
10. **30° Vertical Inside Bend, Ladder Type Cable Tray**
11. **Vertical Bend Segment (VBS)**
12. **Vertical Tee Down, Ventilated Trough Type Cable Tray**
13. **Left Hand Reducer, Ladder Type Cable Tray**
14. **Frame Type Box Connector**
15. **Barrier Strip Straight Section**
16. **Solid Flanged Tray Cover**
17. **Ventilated Channel Straight Section**
18. **Channel Cable Tray, 90° Vertical Outside Bend**

The B-Line Advantage-The Company

B-Line -- is Committed to the Success of its Customers through Manufacturing, Engineering and Service.

B-Line -- is Positioned to Serve.



Six United States cable tray fabrication sites:

Highland, IL	Troy, IL	Norcross, GA
Roswell, NM	Reno, NV	Sherman, TX

Sixteen factory inventories

B-Line -- a Proven Industry Leader.

Over thirty years experience

B-Line -- offers Industry Involvement.

NEMA - 5VE Member -- Metallic Cable Tray Section
NEMA - 5FG Member -- Nonmetallic Cable Tray Section
Cable Tray Institute (CTI) -- A Founding Member

B-Line -- unmatched Cable Support Systems.

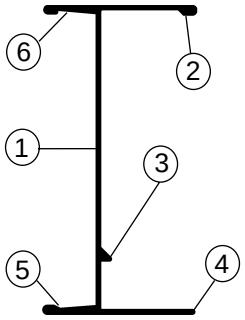
Cable Tray -- Two Side Rail (Metallic)
Cable Tray -- Two Side Rail (Nonmetallic)
Cable Tray -- CENT-R-RAIL; DATA-TRACK, VERTI-RACK, HALF-RACK, and MULTI-TIER HALF-RACK.
Cable Runways -- B-Line Telecom
NEMA Wireways -- Circle AW Products Co., a B-Line Company

Aluminum Cable Tray, Series 2, 3 & 4

B-Line -- the Side Rails

Our I-Beam -- the most efficient structural shape

Using "Copper-free" 6063-T6 Aluminum Alloy



1. I-beam siderail design
   - maximize strength-to-weight ratio
2. Added material to top flange to increase cable tray stiffness
3. Welding bead
   - positive rung lock
   - added material disperses heat
4. Bottom flange inside
   - positive rung support
5. Bottom flange outside
   - strong lower flange for hold down clamps and expansion guides
6. Top flange outside
   - strong upper flange for securing the tray cover or the conduit-to-tray adapter

B-Line -- the Rungs -- provide system integrity

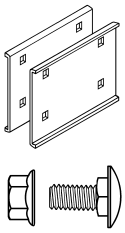
The rungs can represent 40% of your cable tray system.

Rung A For widths through 24"
The 24" width supports 589 lbs. with safety factor 1.5

Rung B For widths greater than 24"
The 36" width supports 487 lbs. with safety factor 1.5

For industrial applications -- 200 lb. concentrated loads

B-Line -- the Splices -- provide system integrity



With the unique Wedge Lock splice system:
- Channel-shaped for extra strength
- Snaps into the side rail
- Positions and holds for bolting, a labor-saving feature
- Four bolt patterns, a labor-saving feature
- 316 Stainless Steel hardware is available as an option

B-Line -- the Fittings -- provide system integrity

Surpasses NEMA VE-1 requirements
3" straight tangents for splice integrity

B-Line -- with a 200 lb. Concentrated Load -- providing system integrity

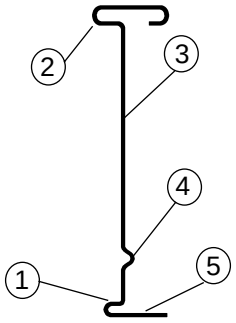
Side rails engineered to support a 200 lb. concentrated load + cable load
Rungs engineered to support a 200 lb. concentrated load + cable load

B-Line -- our reliable time-tested products. A system that works.

Steel Cable Tray, Series 2, 3, 4 & 5

B-Line -- the Side Rails

Our I-Beam -- the most efficient structural shape



1. Roll formed for extra strength
2. Enlarged top flange for stiffness
3. Structural grade traceable steel
4. Rung top lock
5. Rung bottom rest

Side Rails and rungs are stamped every 18" with:

- Company Name
- Part Number
- Material
- Heat Trace Number

B-Line -- the Rungs -- provide system integrity

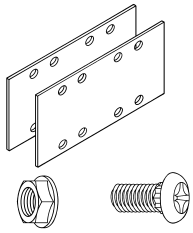
The rungs can represent 40% of your cable tray system.

Rung A For widths through 24"
The 24" width supports 581 lbs. with safety factor 1.5

Rung B For widths greater than 24"
The 36" width supports 485 lbs. with safety factor 1.5

For industrial applications -- 200 lb. concentrated loads.
Both Rung A and Rung B are roll formed from traceable structural grade steel

B-Line -- the Splices -- provide system integrity



The Splices -- the engineered connection:
- Special high strength eleven gauge steel
- Eight bolt connection for required strength
- Finish and hardware options

B-Line -- Hot Dip Galvanized After Fabrication (HDGAF) -- providing system integrity

- ASTM A123/CSA Type I
- In plant post-dip inspection and deburr
- ASTM F-1136-88 Grade 3 Splice hardware exceeds NEMA requirements.
- ASTM A123 Covers available- system compatibility

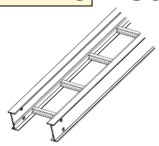
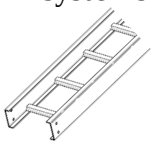
B-Line -- Pre-Galvanized- Hot Dip Mill Galvanized -- providing system integrity

- ASTM A653SS Gr.33 G90/ CSA Type II
- Anti-corrosive silicon bronze welds eliminate cosmetic painting

B-Line -- our reliable time-tested products. A system that works.
- 200 lb. Concentrated Load- side rail and rungs
- Splice integrity - 3" fitting tangents

The B-Line Advantage-The Extras

B-Line -- Series 1 systems for commercial applications

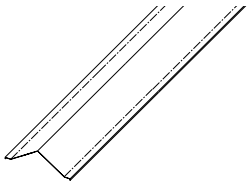



- Aluminum
- Steel, ASTM A123 (CSA Type I) or ASTM A653SQG90 (CSA Type II)

B-Line -- Special Packaging

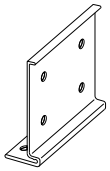
- For less than truckload (LTL) shipments
- Reduced freight claims over 50%
- A positive package for all

B-Line -- Special purpose 2 to 3 Pitch Peaked Covers



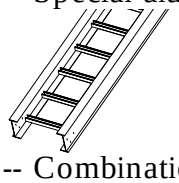
- 2 to 3 pitch (4" peak on 12" wide - 12" peak on 36" wide)
- Available in Aluminum, HDGAF and Stainless Steel
- Horizontal and vertical fittings available
- Engineered to shed particulates and precipitation

B-Line -- New Mid Span Aluminum Splice



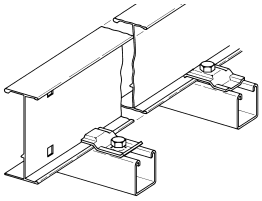
- 20 foot spans, 135 lbs./ft.- mid span test - simple beam
- Safety Factor 1.5
- Designed for the H46A series system

B-Line -- Special aluminum long span system



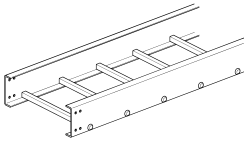
- Eight inch I-beam side rails- strut rungs
- S8A12-36-384 Tested to 159 lbs./ft. on 30' span - safety factor 1.5

B-Line -- Combination Hold Down/ Guide Clamp



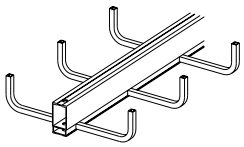
- Patented design # RE35479
- No Twist
- Four times the strength of traditional designs
- Available in Aluminum and Steel (Plated, HDGAF and 316 Stainless)
- One product - Two functions

B-Line -- Non-Metallic Cable Tray



- For corrosive environments
- For voltage isolation
- A complete line offering
- Request latest catalog

B-Line -- Cent-R-Rail Cable Tray System



- Four unique product offerings
- Perfect for todays high technology
- Fast to install in congested areas
- Request latest catalog

The following factors should be considered when determining the appropriate cable tray system.

1. Material & Finish

- Standards Available (Pages 8-10)
- Corrosion (Pages 11-13)
- Thermal Contraction and Expansion (Page 14)
- Installation Considerations and Electrical Grounding Capacity (Page 15)

2. Strength

- Cable Data (Page 16)
- Environmental Loads (Pages 17 &18)
- Concentrated Loads (Page 18)
- Support Span (Page 19)
- Deflection (Page 20)
- Load Capacity (NEMA & CSA Classes) (Page 21)
- Rung/Trough Data (Page 22)

3. Width & Available Loading Depth

- Cable Diameter (Page 16)
- Allowable Cable Fill (Pages 23-29)
- Barrier Requirements (Page 30)
- Future Expansion Requirements (Page 30)
- Space Limitations (Page 30)

4. Length

- Lengths Available (Page 31)
- Support Spans (Not to exceed the length of straight sections) (Page 31)
- Space Limitations (Page 31)
- Installation (Page 31)

5. Bottom Type

- Type of Cable (Page 32)
- Cost vs. Strength (Page 32)
- Cable Exposure (Page 32)
- Cable Attachment (Page 32)

6. Fitting Radius

- Cable Flexibility (Page 33)
- Space Limitations (Page 33)

Cable Tray Selection-Material & Finish

Standards Available

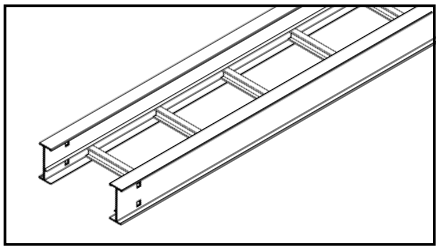
MATERIAL	MATERIAL SPECIFICATION	ADVANTAGES
Aluminum	**6063-T6** (Siderails, Rungs and Splice Plates) **5052-H32** (Trough Bottoms, Covers and Accessories)	• Corrosion Resistance • Easy Field Fabrication & Installation • Excellent Strength to Weight Ratio • Excellent Grounding Conductor
Steel	**ASTM A570 Gr. 33** (14 Gauge Plain Steel) **ASTM A611 Gr. C** (16 & 18 Gauge Plain Steel) **ASTM A653SS Gr. 33 G90 (Pre-Galvanized)**	• Electric Shielding • Finish Options • Low Thermal Expansion • Limited Deflection
Stainless Steel	**AISI Type 304 or AISI Type 316**	• Superior Corrosion Resistance • Withstands High Temperatures

Aluminum

Aluminum cable trays are fabricated from structural grade “copper free” (marine grade) aluminum extrusions. Aluminum’s excellent corrosion resistance is due to its ability to form an aluminum oxide film that when scratched or cut reforms the original protective film. Aluminum has excellent resistance to "weathering” in most outdoor applications. Aluminum cable tray has excellent corrosion resistance in many chemical environments and has been used for over thirty years in petro-chemical plants and paper mills along the gulf coast from Texas to Florida. Typically, aluminum cable trays can perform indefinitely, with little or no degradation over time, making it ideal for many chemical and marine environments. The resistance to chemicals, indoor and outdoor, can best be determined by tests conducted by the user with exposure to the specific conditions for which it is intended. For further information, contact B-Line Systems or the Aluminum Association.

Some common chemicals which aluminum resists are shown on pages 12 & 13.

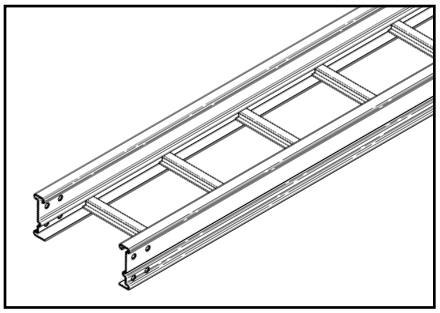
Aluminum Cable Tray



Steel

Steel cable trays are fabricated from continuous roll-formed structural quality steel. By roll-forming steel, the mechanical properties are increased allowing the use of a lighter gauge steel to carry the required load. This reduces the dead weight that must be carried by the supports and the installers. Using structural quality steel, B-Line assures that the material will meet the minimum yield and tensile strengths of applicable ASTM standards. All cable tray siderails, rungs and splice plates are numbered for material traceability. The corrosion resistance of steel varies widely with coating and alloy.

Steel and Stainless Steel Cable Tray



Stainless Steel

Stainless Steel cable trays are fabricated from continuous roll-formed AISI Type 304 or AISI Type 316/316L stainless steel. Both are non-magnetic and belong to the group called austenitic stainless steels. Like carbon steel, they exhibit increased strength when cold worked by roll-forming or bending.

Several important conditions could make the use of stainless steel imperative. These include long term maintenance costs, corrosion resistance, appearance and locations where product contamination is undesirable. Stainless steel exhibits stable structural properties such as yield strength and high creep strength at elevated temperatures.

B-Line Systems' stainless steel cable trays are welded using stainless steel welding wire to ensure each weldment exhibits the same corrosion resistant characteristic as the base metal.

A detailed study of the corrosive environment is recommended when considering a stainless steel design (see pages 12 & 13).

Cable Tray Selection-Material & Finish

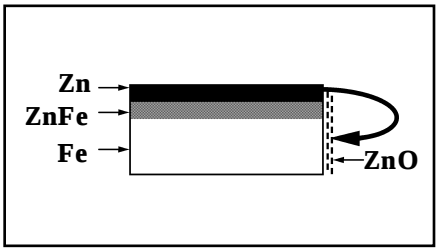
Standards Available

FINISH	SPECIFICATION	RECOMMENDED USE
Electrogalvanized Zinc	ASTM B633 (For Cable Tray Hardware and Accessories, Alum. and Pre-Galv.)	Indoor
Chromium Zinc	ASTM F-1136-88 (Hardware for Hot Dip Galvanized Cable Tray)	Indoor/ Outdoor
Pre-Galvanized Zinc	ASTM A653SS Gr.33 G90 (CSA Type 2) (Steel Cable Tray and Fittings)	Indoor
Hot Dip Galvanized Zinc After Fabrication	ASTM A123 (CSA Type 1) (Steel Cable Tray and Fittings)	Indoor/Outdoor
PVC Coated (Black)	15 mils thick (Aluminum or Steel Cable Tray & Fittings)	Chemical Environments
Special Paint	Per Customer Specification (Aluminum or Steel Cable Tray & Fittings)	Indoor

Zinc Coatings

Zinc protects steel in two ways. First it protects the steel as a coating and second as a sacrificial anode to repair bare areas such as cut edges, scratches, and gouges. The corrosion protection of zinc is directly related to its thickness and the environment. This means a .2 mil coating will last twice as long as a .1 mil coating in the same environment.

Galvanizing also protects cut and drilled edges.



Electrogalvanized Zinc

Electrogalvanized Zinc (also known as zinc plated or electroplated) is the process by which a coating of zinc is deposited on the steel by electrolysis from a bath of zinc salts.

A rating of SC3, B-Line's standard, provides a minimum zinc coating thickness of .5 mils (excluding threaded rod, which is SC1 = .2 mils)

When exposed to air and moisture, zinc forms a tough, adherent, protective film consisting of a mixture of zinc oxides, hydroxides, and carbonates. This film is in itself a barrier coating which slows subsequent corrosive attack on the zinc. This coating is usually recommended for indoor use in relatively dry areas, as it provides ninety-six hours protection in salt spray testing per ASTM B117.

Chromium/ Zinc

Chromium/ Zinc is a corrosion resistant composition, which was developed to protect fasteners and small bulk items for automotive use. The coating applications have since been extended to larger parts and other markets.

Chromium/Zinc composition is an aqueous coating dispersion containing chromium, proprietary organics, and zinc flake.

This finish provides 1000 hours protection in salt spray testing per ASTM B117, exceeding NEMA VE-1 requirements by 300%.

Pre-Galvanized Zinc

(Mill galvanized, hot dip mill galvanized or continuous hot dip galvanized)

Pre-Galvanized steel is produced by coating coils of sheet steel with zinc by continuously rolling the material through molten zinc at the mills. This is also known as mill galvanized or hot dip mill galvanized. These coils are then slit to size and fabricated by roll forming, shearing, punching, or forming to produce B-Line pre-galvanized cable tray products.

The G90 specification calls for a coating of .90 ounces of zinc per square foot of steel. This results in a coating of .45 ounces per square foot on each side of the sheet. This is important when comparing this finish to hot dip galvanized after fabrication.

During fabrication, cut edges and welded areas are not normally zinc coated; however, the zinc near the uncoated metal becomes a sacrificial anode to protect the bare areas after a short period of time.

To further insure a quality product, B-Line welds all pre-galvanized cable trays with a silicon bronze welding wire allowing only a small heat affected zone to be exposed. This small area quickly repairs itself by the same process as cut edges.

Hot Dip Galvanized After Fabrication

(Hot dip galvanized or batch hot dip galvanized)

Hot Dip Galvanized cable tray products are fabricated from steel and then completely immersed in a bath of molten zinc. A metallic bond occurs resulting in a zinc coating that completely coats all surfaces, including edges and welds.

Another advantage of this method is coating thickness. Cable trays hot dip galvanized after fabrication have a minimum thickness of 1.50 ounces per square foot on each side, or a total 3.0 ounces per square foot of steel, according to ASTM A123.

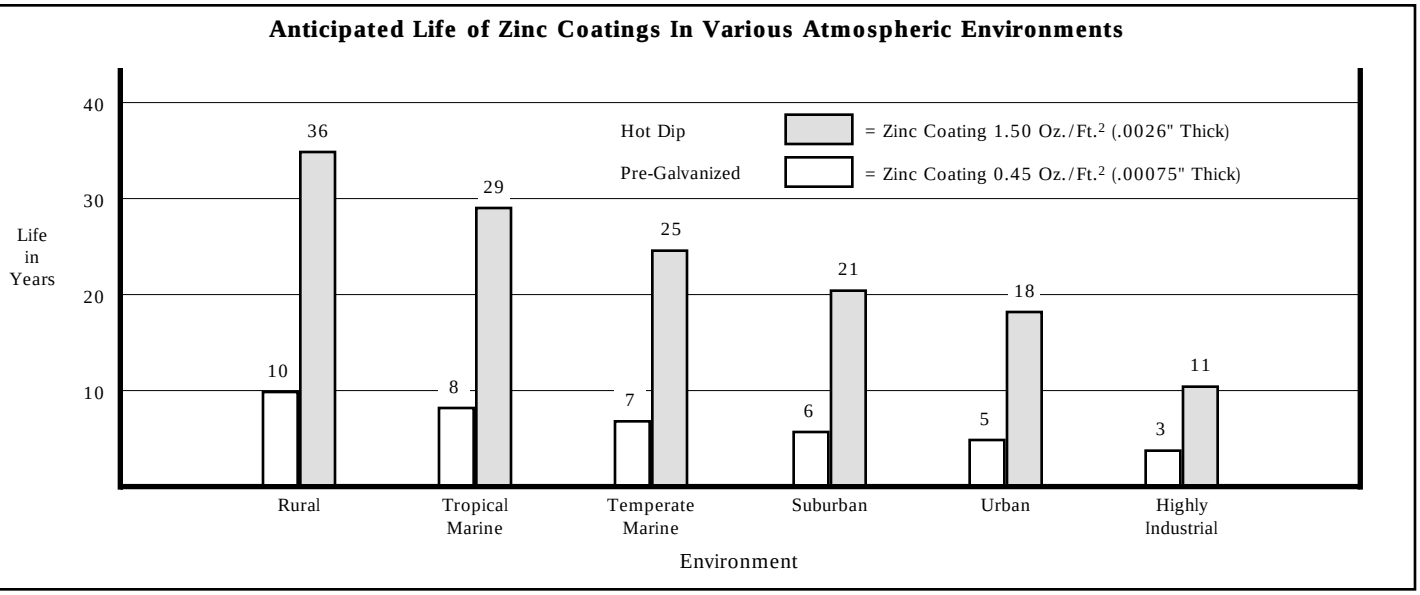
The zinc thickness is controlled by the amount of time each part is immersed in the molten zinc bath as well as the speed at which it is removed. The term "double dipping" refers to parts too large to fit into the galvanizing kettle and, therefore, must be dipped one end at a time. It does not refer to extra coating thickness.

The layer of zinc which bonds to steel provides a dual protection against corrosion. It protects first as an overall barrier coating. If this coating happens to be scratched or gouged, zinc's secondary defense is called upon to protect the steel by galvanic action.

Hot dip galvanized after fabrication is recommended for prolonged outdoor exposure and will protect steel for many years in most outdoor environments and in many aggressive industrial environments (see charts on page 10).

Cable Tray Selection-Material & Finish

Standards Available



PVC Coated

Another of the corrosion resistant materials offered by B-Line is PVC (poly-vinyl chloride) coated steel or aluminum cable trays, cable channels and supports. The PVC coating process begins by cleaning the product thoroughly. A bonding coating is applied to the part and then preheated to a temperature above the melting point of the coating powder. The product is then passed through a fluidized bed of vinyl plastic powder where the powder particles melt, adhere and flow out to form a smooth continuous coating to a thickness controlled by the base metal temperature and the immersion time in the bed. It is then post-heated to complete the fusion of the outer surfaces.

The standard coating thickness on B-Line PVC coated products is 15 mils plus or minus 5 mils (0.010 to 0.020 inches per surface). Since the chemistry, not the thickness, of vinyl plastic PVC determines longevity, experience has found that a coating of 10 to 20 mils is more than adequate. If the corrosive conditions are such that the plasticizers are leached out, a thicker coating will do little to extend the life of the coated product.

PVC depends totally on the concept of encapsulation attached to the base metal by a bonding agent. If any size hole or discontinuity occurs the corrosive action can severely undercut the base metal.

In the event of field cuts or any other damage to the coating, a liquid PVC patch, available from B-Line, must be applied to maintain the integrity of the coating. After the installation is complete, a thorough inspection should be performed to assure the absence of voids, pinholes, or cuts.

PVC has excellent resistance to most inorganic acids, alkalies, mineral acids, and edible oils at temperatures up to 150 degrees F; however, it is unsuited for solvents such as ketones, esters and halogenated hydrocarbons.

When using cable tray having non-metallic coatings, such as PVC, provisions will have to be made to provide system grounding.

Special Paint

B-Line cable tray and supports can be painted or primed to meet the customers requirements. B-Line has several colors available, consult the factory.

If a non-standard color is required the following information needs to be specified:

1. Type of material preparation (primer, etc.)
2. Type of paint, manufacturer and paint number or type of paint with chip.
3. Dry film thickness.

Material/Finish Prefix Designation Chart

Catalog Number Prefix	Material to be Furnished
A	Aluminum
P	Pre-Galvanized
G	Hot Dip Galvanized
ZN	Zinc Plated
APVC	Aluminum PVC Coated
SPVC	Plain Steel PVC Coated
S	Plain Steel
SS4	Type 304 Stainless Steel
SS6	Type 316 Stainless Steel

Corrosion

All metal surfaces are affected by corrosion. Depending on the physical properties of the metal and the environment to which it is exposed, chemical or electromechanical corrosion may occur.

Atmospheric Corrosion

Atmospheric corrosion occurs when metal is exposed to airborne liquids, solids or gases. Some sources of atmospheric corrosion are moisture, salt, dirt and sulphuric acid. This form of corrosion is typically worse outdoors, especially near marine environments.

Chemical Corrosion

Chemical corrosion takes place when metal comes in direct contact with a corrosive solution. Some factors which affect the severity of chemical corrosion include: chemical concentration level, duration of contact, frequency of washing, and operating temperature.

Storage Corrosion

Wet storage stain (White rust) is caused by the entrapment of moisture between surfaces of closely packed and poorly ventilated material for an extended period. Wet storage stain is usually superficial, having no affect on the properties of the metal.

Light staining normally disappears with weathering. Medium to heavy buildup should be removed, in order to allow the formation of normal protective film.

Proper handling and storage will help to assure stain-free material. If product arrives wet, it should be unpacked and dried before storage. Dry material should be stored in a well ventilated "low moisture" environment to avoid condensation formation. Outdoor storage is undesirable, and should be avoided whenever possible.

Galvanic Corrosion

Galvanic corrosion occurs when two or more dissimilar metals are in contacts in the presence of an electrolyte (ie. moisture). An electrolytic cell is created and the metals form an anode or a cathode depending on their relative position on the Galvanic Series Table. The anodic material will be the one to corrode. Whether a material is anodic depends on the relative position of the other material. For example: If zinc and steel are in contact, the zinc acts as the anode and will corrode; the steel acts as the cathode, and will be protected. If steel and copper are in contact, the steel is now the anode and will corrode.

The rate at which galvanic corrosion occurs depends on several factors:

1. The amount and concentration of electrolyte present- An indoor, dry environment will have little or no galvanic corrosion compared to a wet atmosphere.

2. The relative size of the materials- A small amount of anodic material in contact with a large cathodic material will result in greater corrosion. Likewise, a large anode in contact with a small cathode will decrease the rate of attack.

3. The relative position on the Galvanic Series Table- The further apart in the Galvanic Series Table, the greater the potential for corrosion of the anodic material.

Galvanic Series In Sea Water

Anodic End

More Anodic

Magnesium
Magnesium Alloys
Zinc
Beryllium
Aluminum - Zinc Alloys (7000 series)
Aluminum - Magnesium Alloys (5000 series)
Aluminum (1000 series)
Aluminum - Magnesium Alloys (3000 series)
Aluminum - Magnesium - Silicon Alloys (6000 series)
Cadmium
Aluminum - Copper Alloys (2000 series)
Cast Iron, Wrought Iron, **Mild Steel**
Austenitic Nickel Cast Iron
Type 410 Stainless Steel (active)
Type 316 Stainless Steel (active)
Type 304 Stainless Steel (active)
Naval Brass, Yellow Brass, Red Brass
Tin
Copper
Lead-Tin Solders
Admiralty Brass, Aluminum Brass
Manganese Bronze
Silicon Bronze
Tin Bronze
Type 410 Stainless Steel (passive)
Nickel - Silver
Copper Nickel Alloys
Lead
Nickel - Aluminum Bronze
Silver Solder
Nickel 200
Silver
Type 316 Stainless Steel (passive)
Type 304 Stainless Steel (passive)
Incoloy 825
Hastelloy B
Titanium
Hastelloy C
Platinum
Graphite

Cathodic End

Cable Tray Selection-*Material & Finish*

Corrosion Guide

Chemical	Cable Tray Material											
	Aluminum			PVC			Stainless Type 304			Stainless Type 316		
	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Acteone	R	R	R	NR	NR	NR	R	R	R	R	R	R
Aluminum Chloride Solution	NR	NR	NR	R	R	NR	NR	--	--	F	--	--
Anhydrous Aluminum Chloride	R	R	R	R	R	NR	NR	--	--	F	--	--
Aluminum Sulfate	R	R	R	R	R	NR	R	R	R	R	R	R
Ammonium Chloride 10%	F	F	NR	R	R	NR	R	R	R	R	R	R
Ammonium Hydroxide	F	F	F	R	R	NR	R	R	R	R	R	R
Ammonium Phosphate	F	F	NR	R	R	NR	R	--	--	R	--	--
Ammonium Sulfate	F	--	--	R	R	NR	R	R	R	R	R	R
Ammonium Thiocyanate	R	R	R	R	R	NR	R	--	--	R	R	R
Amyl Acetate	R	R	R	NR	NR	NR	R	R	R	R	R	R
Amyl Alcohol	R	R	R	NR	NR	NR	R	--	--	R	R	R
Arsenic Acid	F	F	F	R	R	NR	R	R	--	R	R	R
Barium Chloride	F	F	NR	R	R	NR	R	R	R	R	R	R
Barium Sulfate	R	R	R	R	R	NR	R	R	--	R	R	--
Barium Sulfide	NR	NR	NR	R	R	NR	R	R	--	R	R	--
Benzene	R	R	R	NR	NR	NR	R	R	R	R	R	R
Benzoic Acid	F	F	NR	R	R	NR	R	R	R	R	R	R
Boric Acid	R	R	F	R	R	NR	R	R	R	R	R	R
Bromine Liquid or Vapor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butyl Acetate	R	R	R	NR	NR	NR	R	--	--	R	R	R
Butyl Alcohol	R	R	R	NR	NR	NR	R	R	R	R	R	R
Butyric Acid	F	F	F	NR	NR	NR	R	R	R	R	R	R
Calcium Chloride 20%	F	F	NR	R	R	NR	R	--	--	R	--	--
Calcium Hydroxide	N	--	--	R	R	NR	R	R	F	R	R	R
Calcium Hypochlorite 2 - 3%	F	--	--	R	F	NR	R	--	--	R	--	--
Calcium Sulfate	R	R	--	R	R	NR	R	R	--	R	R	--
Carbon Monoxide Gas	R	R	R	R	R	R	R	R	R	R	R	R
Carbon Tetrachloride	F	F	NR	NR	NR	NR	F	F	F	R	R	R
Chloroform Dry	R	NR	NR	--	--	--	R	R	--	R	R	--
Chloroform Solution	R	NR	NR	NR	NR	NR	--	--	--	--	--	--
Chromic Acid 10% CP	R	R	--	R	R	NR	R	R	F	R	R	R
Citric Acid	F	F	F	R	R	NR	R	R	NR	R	R	R
Copper Cyanide	NR	NR	NR	R	R	NR	R	R	R	R	R	R
Copper Sulfate 5%	NR	NR	NR	R	R	NR	R	R	R	R	R	R
Ethyl Alcohol	R	R	R	NR	NR	NR	R	R	R	R	R	R
Ethylene Glycol	R	R	F	NR	NR	NR	R	R	--	R	R	R
Ferric Chloride	NR	NR	NR	R	R	NR	NR	NR	NR	NR	NR	NR
Ferrous Sulfate 10%	R	NR	NR	R	R	NR	R	R	--	R	R	--
Formaldehyde 37%	R	R	R	R	F	NR	R	R	R	R	R	R
Formic Acid 10%	R	R	--	R	R	NR	R	R	NR	R	R	R
Gallic Acid 5%	R	R	NR	R	R	NR	R	R	R	R	R	R
Hydrochloride Acid 25%	NR	NR	NR	R	R	NR	NR	NR	NR	NR	NR	NR
Hydrofluoric Acid 10%	NR	NR	NR	R	F	NR	NR	NR	NR	NR	NR	NR
Hydrogen Peroxide 30%	R	R	R	R	R	NR	R	R	R	R	R	R
Hydrogen Sulfide Wet	R	--	--	R	F	NR	NR	NR	NR	R	R	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)

The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material.

B-Line strongly suggests that field service tests or simulated laboratory tests using actual environmental conditions be conducted in order to determine the proper materials and finishes to be selected.

R = Recommended
F = May be used under some conditions
NR = Not Recommended
-- = Information not available

Cold = 50 - 80°F Warm = 130 - 170°F Hot = 200 - 212°F

Cable Tray Selection-Material & Finish

Corrosion Guide

Chemical	Cable Tray Material											
	Aluminum			PVC			Stainless Type 304			Stainless Type 316		
	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Lactic Acid 10%	R	F	NR	R	R	NR	R	R	F	R	R	R
Lead Acetate 5%	NR	NR	NR	R	R	NR	R	R	R	R	R	R
Magnesium Chloride 1%	NR	NR	NR	R	R	NR	R	--	F	R	--	R
Magnesium Hydroxide	R	R	R	R	R	NR	R	R	--	R	R	--
Magnesium Nitrate 5%	R	--	--	R	R	NR	R	R	R	R	R	R
Nickel Chloride	NR	NR	NR	R	R	NR	R	--	--	R	--	--
Nitric Acid 15%	NR	NR	NR	R	R	NR	R	R	R	R	R	R
Oleic Acid	R	R	F	R	F	NR	R	R	F	R	R	R
Oxalic Acid 10%	R	F	NR	R	R	NR	NR	NR	NR	R	R	R
Phenol CP	R	R	R	NR	NR	NR	R	R	R	R	R	R
Phosphoric Acid 50%	NR	NR	NR	R	R	NR	R	R	R	R	F	NR
Potassium Bromide 100%	R	F	NR	R	R	NR	R	R	--	R	R	R
Potassium Carbonate 100%	F	F	--	R	R	NR	R	R	R	R	R	R
Potassium Chloride 5%	R	R	R	R	R	NR	R	R	R	R	R	R
Potassium Dichromate	R	R	R	R	R	NR	R	R	R	R	R	R
Potassium Hydroxide 50%	NR	NR	NR	R	R	NR	R	R	R	R	R	R
Potassium Nitrate 50%	R	R	R	R	R	NR	R	R	R	R	R	R
Potassium Sulfate 5%	R	R	R	R	R	NR	R	R	R	R	R	R
Propyl Alcohol	R	R	R	R	NR	NR	R	R	R	R	R	R
Sodium Acetate 20%	R	F	F	R	R	NR	R	R	R	R	R	R
Sodium Bisulfate 10%	R	F	F	R	R	NR	R	R	R	R	R	R
Sodium Borate	R	F	F	R	R	NR	R	R	R	R	R	R
Sodium Carbonate 18%	R	F	F	R	R	NR	R	R	R	R	R	R
Sodium Chloride 5%	R	NR	NR	R	R	NR	R	R	R	R	R	R
Sodium Hydroxide 50%	NR	NR	NR	R	R	NR	R	R	R	R	R	R
Sodium Hypochlorite 5%	R	F	F	R	F	NR	F	--	--	R	--	--
Sodium Nitrate 100%	R	R	R	R	R	NR	R	R	R	R	R	R
Sodium Nitrite 100%	R	R	R	R	R	NR	R	R	R	R	R	R
Sodium Sulfate 100%	R	R	F	R	R	NR	R	R	R	R	R	R
Sodium Thiosulfate	R	R	R	R	R	NR	R	R	R	R	R	R
Sulfur Dioxide (Dry)	R	R	R	F	F	NR	R	R	R	R	R	R
Sulfuric Acid 5%	NR	NR	--	R	R	NR	F	NR	NR	R	--	--
Sulfuric Acid 10%	NR	NR	NR	R	R	NR	NR	NR	NR	NR	NR	NR
Sulfuric Acid 50%	NR	NR	NR	R	R	NR	NR	NR	NR	NR	NR	NR
Sulfuric Acid 75 - 98%	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Sulfuric Acid 98 - 100%	NR	NR	--	NR	NR	NR	R	--	--	R	R	F
Tannic Acid 10 & 50%	NR	NR	NR	R	F	NR	R	R	R	R	R	R
Tartaric Acid 10 & 50%	F	NR	NR	R	F	NR	R	R	R	R	R	R
Vinegar	F	F	F	R	R	NR	R	R	R	R	R	R
Zinc Chloride 5 & 20%	F	NR	NR	R	R	NR	R	F	NR	R	R	R
Zinc Nitrate	F	NR	NR	R	R	NR	R	R	R	R	R	R
Zinc Sulfate	F	NR	NR	R	R	NR	R	R	R	R	R	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)

The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material.

B-Line strongly suggests that field service tests or simulated laboratory tests using actual environmental conditions be conducted in order to determine the proper materials and finishes to be selected.

R = Recommended
F = May be used under some conditions
NR = Not Recommended
-- = Information not available

Cold = 50 - 80°F Warm = 130 - 170°F Hot = 200 - 212°F

Thermal Contraction and Expansion

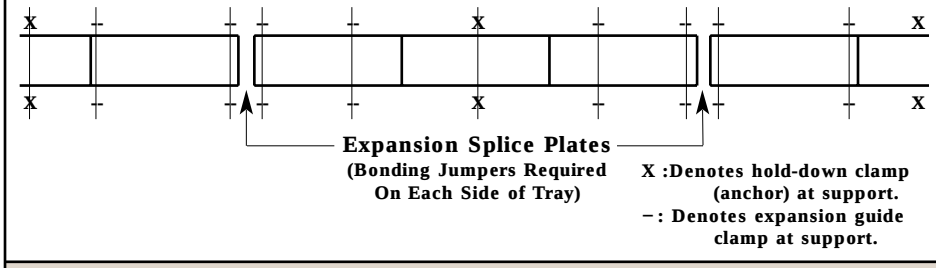
It is important that thermal contraction and expansion be considered when installing cable tray systems. The length of the straight cable tray runs and the temperature differential govern the number of expansion splice plates required (see Table 1 below).

The cable tray should be anchored at the support nearest to its midpoint between the expansion splice plates and secured by expansion guides at all other support locations (see Figure 1). The cable tray should be permitted longitudinal movement in both directions from that fixed point. When used, covers should be overlapped at expansion splices.

Accurate gap settings at the time of installation are necessary for the proper operation of the expansion splice plates. The following procedure should assist the installer in determining the correct gap: (see Figure 2)

1. Plot the highest expected metal temperature on the maximum temperature line.
2. Plot the lowest expected metal temperature on the minimum temperature line.
3. Draw a line between the maximum and minimum points.
4. Plot the metal temperature at the time of installation to determine the gap setting.

Figure 1



Typical Cable Tray Installation

Figure 2

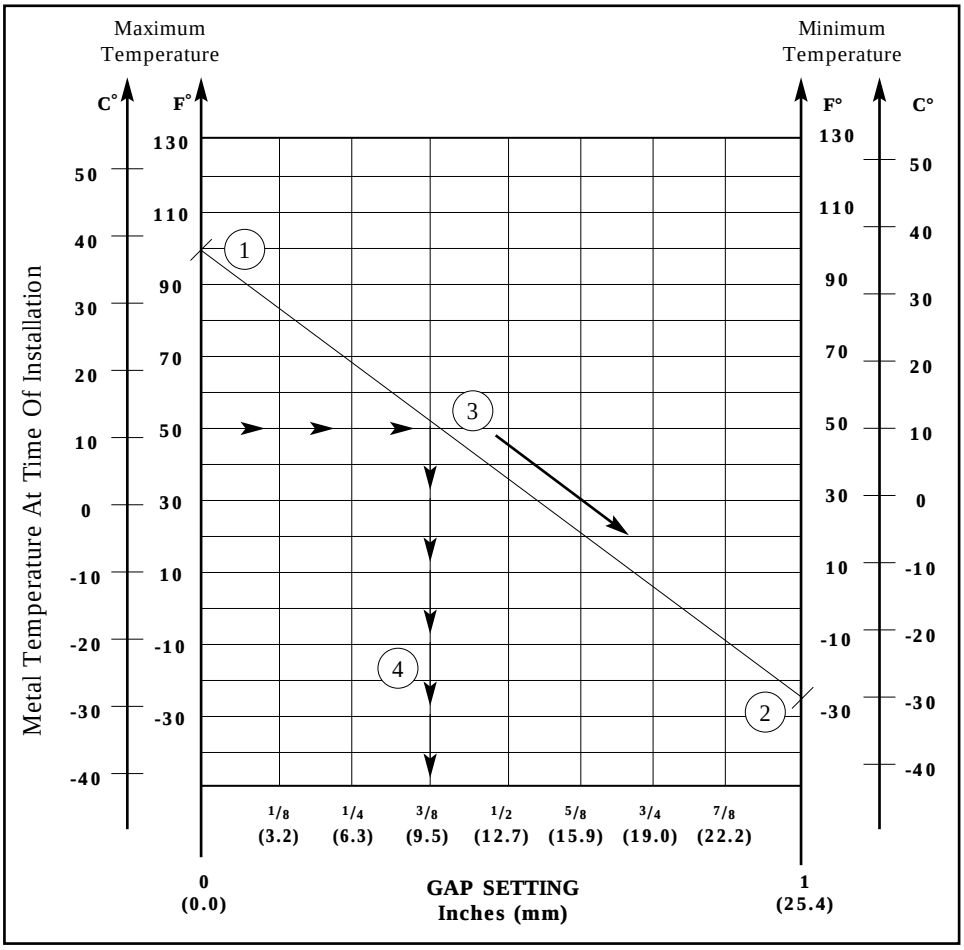


Table 1

Maximum Spacing Between Expansion Joints For 1" Movement

Temperature Differential		Steel		Aluminum		Stainless Steel 304		Stainless Steel 316	
˚F	˚C	Feet	mm	Feet	mm	Feet	mm	Feet	mm
25	13.9	512	156.0	260	79.2	347	105.7	379	115.5
50	27.8	256	78.0	130	39.6	174	53.0	189	57.6
75	41.7	171	52.1	87	26.5	116	35.4	126	38.4
100	55.6	128	39.0	65	19.8	87	26.5	95	29.0
125	69.4	102	31.1	52	15.8	69	21.0	76	23.2
150	83.3	85	25.9	43	13.1	58	17.7	63	19.2
175	97.2	73	22.2	37	11.3	50	15.2	54	16.4

Note: every pair of expansion splice plates requires two bonding jumpers for grounding continuity.

Installation Considerations

Weight

The weight of an aluminum cable tray is approximately half that of a comparable steel tray. Some factors to consider include: shipping costs, material, handling, project weight restrictions and the strength of support members.

Field Modifications

Aluminum cable tray is easier to cut and drill than steel cable tray since it is a "softer" material. Similarly, galvanized steel cable tray is easier to cut and drill than stainless steel cable tray. B-Line aluminum cable tray (excluding 7" side rail height) uses a four bolt splice, resulting in half as much drilling and hardware installation as most steel cable tray, which uses an eight bolt splice. Hot dip galvanized, painted and PVC coated steel cable tray finishes must be repaired when field cutting or drilling. Failure to repair coatings will impair the cable tray's corrosion resistance.

Availability

Aluminum, pre-galvanized and stainless steel cable tray can normally be shipped from the factory in a short period of time. Hot dip galvanized, painted and PVC coated cable tray requires an additional coating process, adding several days of preparation before final shipment. Typically, a coated cable tray will be sent to an outside source for coating, requiring additional packing and shipping.

Electrical Grounding Capacity

The national Electrical Code, Article 318-7 allows cable tray to be used as an equipment grounding conductor. All B-Line standard steel and aluminum cable trays are classified by Underwriter's Laboratories per NEC Table 318-7 based on their cross-sectional area.

The corresponding cross-sectional area for each siderail design (2 siderails) is listed on a fade resistant UV stabilized label (see Figure 3). This cable tray label is attached to each straight section and fitting that is U.L. classified.

NEMA Installation Guide

The new NEMA VE-2 is a cable tray installation guideline and is available from NEMA, CTI or B-Line.

Table 318-7(b) (2)
Metal Area Requirements for Cable Trays Used as Equipment Grounding Conductors

Maximum Fuse Ampere Rating, Circuit Breaker Ampere Trip Setting, or Circuit Breaker Protective Relay Ampere Trip Setting for Ground Fault Protection of any Cable Circuit in the Cable Tray System	Minimum Cross-Sectional Area of Metal* In Square Inches	
	Steel Cable Trays	Aluminum Cable Trays
60	0.20	0.20
100	0.40	0.20
200	0.70	0.20
400	1.00	0.40
600	1.50**	0.40
1000	--	0.60
1200	--	1.00
1600	--	1.50
2000	--	2.00**

For SI units: one square inch = 645 square millimeters.

* Total cross-sectional area of both side rails for ladder or trough-type cable trays; or the minimum cross-sectional area of metal in channel-type cable trays or cable trays of one-piece construction.

** Steel cable trays shall not be used as equipment grounding conductors for circuits with ground-fault protection above 600 amperes. Aluminum cable trays shall not be used as equipment grounding conductors for circuits with ground-fault protection above 2000 amperes.

For larger ampere ratings an additional grounding conductor must be used.

Figure 3

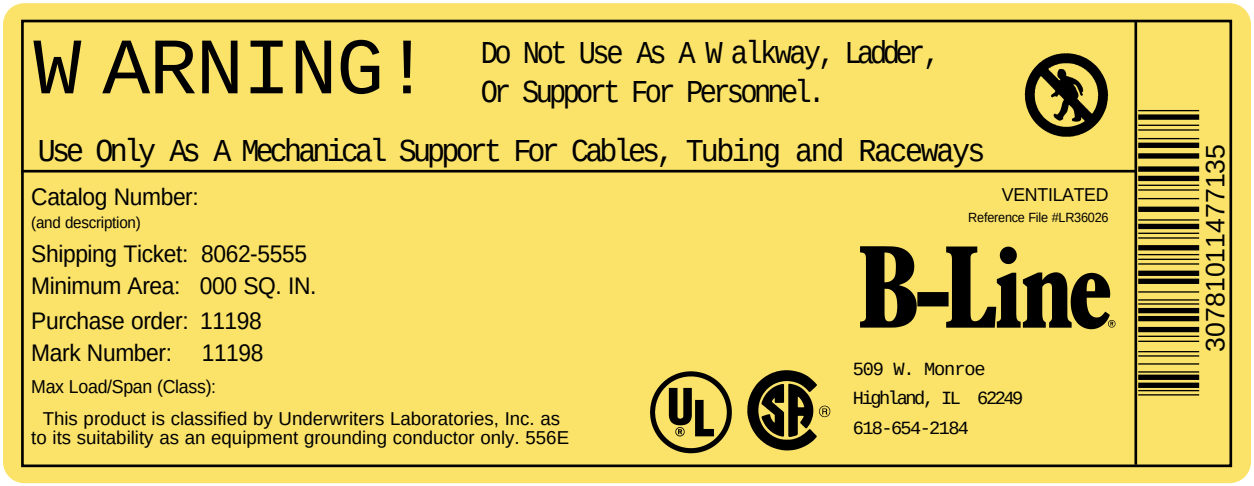


Table of Contents

Cable Tray Selection-Strength

Cable Data

The cable load is simply the total weight of all the cables to be placed in the tray. This load should be expressed in lbs/ft. The data on this page provides average weights for common cable sizes.

Multiconductor Cable Type TC, 600V with XHHW Conductors, Copper

	3 conductors with ground			4 conductors with ground		
Size	Diameter in.	Area in.^{2}	Weight lbs/ft	Diameter in.	Area in.^{2}	Weight lbs/ft
8	0.66	0.34	0.33	0.72	0.41	0.42
6	0.74	0.43	0.45	0.81	0.52	0.58
4	0.88	0.61	0.66	0.96	0.72	0.84
2	1.00	0.79	0.96	1.10	0.95	1.20
1	1.13	1.00	1.17	1.25	1.23	1.55
1/0	1.22	1.17	1.43	1.35	1.43	1.84
2/0	1.31	1.35	1.72	1.45	1.65	2.20
3/0	1.42	1.58	2.14	1.58	1.96	2.80
4/0	1.55		2.64	1.77		3.46
250	1.76		3.18	1.93		4.04
350	1.98		4.29	2.18		5.48
500	2.26		5.94	2.50		7.64
750	2.71		9.01	3.12		11.40
1000	3.10		11.70			

Multiconductor Cable Type MC, 600V with XHHW Conductors, Copper

	3 conductors with ground						4 conductors with ground					
	Diameter (in.)		Area (in.^{2})		Weight (lbs/ft)		Diameter (in.)		Area (in.^{2})		Weight (lbs/ft)	
Size	Without Jacket	With Jacket	Without Jacket	With Jacket	Alum. Armor	Steel Armor	Without Jacket	With Jacket	Without Jacket	With Jacket	Alum. Armor	Steel Armor
8	0.70	0.80	0.38	0.50	0.41	0.57	0.76	0.86	0.45	0.58	0.51	0.68
6	0.78	0.88	0.48	0.61	0.55	0.74	0.85	0.95	0.57	0.71	0.69	0.87
4	0.89	0.99	0.62	0.77	0.74	0.95	0.97	1.07	0.74	0.90	0.93	1.15
2	1.01	1.12	0.80	0.99	1.08	1.32	1.10	1.22	0.95	1.17	1.29	1.56
1	1.16	1.27	1.06	1.27	1.38	1.63	1.25	1.36	1.23	1.45	1.61	1.91
1/0	1.23	1.34	1.19	1.41	1.56	1.86	1.35	1.46	1.43	1.67	1.94	2.27
2/0	1.32	1.43	1.37	1.61	1.85	2.20	1.46	1.56	1.67	1.91	2.36	2.72
3/0	1.46	1.57	1.67	1.94	2.35	2.67	1.58	1.71	1.96	2.30	2.94	3.33
4/0	1.56	1.68			2.82	3.21	1.75	1.88			3.64	3.97
250	1.74	1.86			3.31	3.94	1.92	2.04			4.21	4.64
350	1.96	2.10			4.48	4.97	2.16	2.30			5.71	6.12
500	2.24	2.37			6.08	6.58	2.47	2.63			7.91	8.39
750	2.68	2.84			8.96	9.70	3.03	3.22			11.48	12.17

Single Conductor Cable 600V

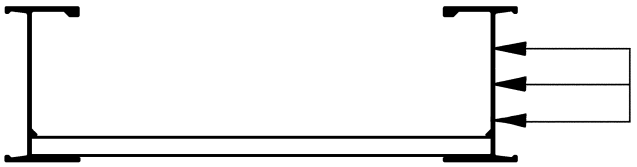
	XHHW			THHN, THWN			TW, THW			USE, RHH, RHW		
Size	Diameter in.	Area in.^{2}	Weight lbs/ft	Diameter in.	Area in.^{2}	Weight lbs/ft	Diameter in.	Area in.^{2}	Weight lbs/ft	Diameter in.	Area in.^{2}	Weight lbs/ft
1/0	0.48		0.37	0.50		0.37	0.53		0.39	0.53		0.39
2/0	0.52		0.46	0.54		0.46	0.57		0.48	0.57		0.49
3/0	0.58		0.57	0.60		0.57	0.62		0.60	0.63		0.60
4/0	0.63		0.71	0.66		0.71	0.68		0.74	0.68		0.75
250	0.70	0.38	0.85	0.72	0.41	0.85	0.75	0.44	0.88	0.76	0.45	0.89
300	0.75	0.44	1.02	0.77	0.47	1.02	0.81	0.52	1.04	0.81	0.52	1.05
350	0.80	0.50	1.17	0.83	0.54	1.17	0.86	0.58	1.21	0.86	0.58	1.22
400	0.85	0.57	1.33	0.87	0.59	1.33	0.90	0.64	1.37	0.91	0.65	1.38
500	0.93	0.68	1.64	0.96	0.72	1.64	0.98	0.75	1.69	0.99	0.77	1.70
600	1.04	0.85	2.03	1.06	0.88	2.01	1.09	0.93	2.03	1.10	0.95	2.07
750	1.14	1.02	2.24	1.17	1.08	2.48	1.19	1.11	2.51	1.20	1.13	2.55
1000	1.29		2.52	1.32		3.30	1.34		3.31	1.35		3.33

Environmental Loads

Wind Loads

Wind loads need to be determined for all outdoor cable tray installations. Most outdoor cable trays are ladder type trays, therefore the most severe loading to be considered is impact pressure normal to the cable tray siderails (see detail 1).

Detail 1



The impact pressure corresponding to several wind velocities are given below in Table 1.

Table 1
Impact Pressures

V(mph)	P(lbs/ft^2)	V(mph)	P(lbs/ft^2)
15	0.58	85	18.5
20	1.02	90	20.7
25	1.60	95	23.1
30	2.30	100	25.6
35	3.13	105	28.2
40	4.09	110	30.9
45	5.18	115	33.8
50	6.39	120	36.8
55	7.73	125	40.0
60	9.21	130	43.3
65	10.80	135	46.6
70	12.50	140	50.1
75	14.40	145	53.8
80	16.40	150	57.6

V= Wind Velocity
P= Impact Pressure

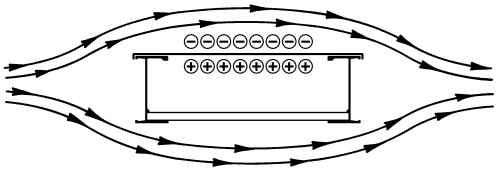
Note: These values are for an air density of 0.07651 lbs/ft^3 corresponding to a temperature of 60˚ F and barometric pressure of 14.7 lbs/in^2.

Example Calculation:
Side load for 6" siderail with 100 mph wind

$$\frac{25.6 \times 6}{12} = 12.8 \text{ lbs/ft}$$

When covers are installed on outdoor cable trays, another factor to be considered is the aerodynamic effect which can produce a lift strong enough to separate a cover from a tray. Wind moving across a covered tray (see detail 2) creates a positive pressure inside the tray and a negative pressure above the cover. This pressure difference can lift the cover off the tray.

Detail 2



B-Line recommends the use of heavy duty wrap-around cover clamps when covered trays are installed in an area where strong winds occur.

Cable Tray Selection-Strength

Environmental Loads

Ice Loads

Glaze ice is the most commonly seen form of ice build-up. It is the result of rain or drizzle freezing on impact with an exposed object. Generally, only the top surface (or the cover) and the windward side of a cable tray system is significantly coated with ice. The maximum design load to be added due to ice should be calculated as follows:

$$L_I = \left(\frac{W \times T_I}{144}\right) \times D_I \text{ where;}$$

L_I= Ice Load (lbs/linear foot)
W= Cable Tray Width (inches)
T_I= Maximum Ice Thickness (inches)
D_I= Ice Density = 57 lbs/ft^3
the maximum ice thickness will vary depending on location. A thickness of $^1/_2$" can be used as a conservative standard.

Example Calculation:
Ice Loads for 24" wide tray with $^1/_2$" thick ice;

$$\frac{24 \times .5}{144} \times 57 = 4.75 \text{ lbs/ft}$$

Snow Loads

Snow is measured by density and thickness. The density of snow varies almost as much as its thickness. The additional design load from snowfall should be determined using the building codes which apply for each installation.

Seismic Loads

A great deal of seismic testing and evaluation of cable tray systems, and their supports, has been performed. The conclusions reached from these evaluations is that cable tray is stronger laterally than vertically, since it acts as a truss in the lateral direction. Other factors that contribute to the stability of cable tray are the energy dissipating motion of the cables within the tray, and the high degree of ductility of the cable tray and the support material. These factors, working in conjunction with a properly designed cable tray system, should afford reasonable assurance to withstand even strong motion earthquakes.

When seismic bracing is required for a cable tray system, it should be applied to the supports and not the cable tray itself. B-Line's "Seismic Restraints" brochure provides OSHPD approved methods of bracing cable tray supports using standard B-Line products. Contact B-Line to receive a copy of this brochure.

Concentrated Loads

A concentrated static load represents a static weight applied at a single point between the siderails. Tap boxes, conduit attachments and long cable drops are just some of the many types of concentrated loads. When so specified, these concentrated static loads may be converted to an equivalent, uniform load (We) by using the following formula:

$$We = \frac{2 \times (\text{concentrated Static Load})}{\text{span length}}$$

B-Line's cable tray siderails, rungs and bottoms will withstand a 200 lb. static load without collapse (series 14 excluded)*. However, it should be noted that per NEMA Standard Publication VE1 cable tray is designed as a support for power or control cables, or both, and is not intended or designed to be a walkway for personnel. Each section of B-Line Cable Tray has a Label stating the following message:

Warning! Not to be used as a walkway, ladder or support for personnel. To be used only as a mechanical support for cables and raceway.

Support Span

The strength of a cable tray is largely determined by the strength of it's siderails. The strength of a cable tray siderail is proportionate to the distance between the supports on which it is installed, commonly referred to as the "support span". Therefore, the strength of a cable tray system can be altered by changing the support span. However, there is a limit to how much the strength of a cable tray system can be increased by reducing the support span, because the strength of the cable tray bottom members could become the determining factor of strength.

Once the load requirement of a cable tray system has been established, the following factors should be considered:

1. Sometimes the location of existing structural beams will dictate the cable tray support span. This is typical with outdoor installations where adding intermediate supports could be financially prohibitive. For this situation the appropriate cable tray must be selected to accommodate the existing span.

2. When cable tray supports are randomly located, the added cost of a higher strength cable tray system should be compared to the cost of additional supports. Typically, adding supports is more costly than installing a stronger series of cable tray. The stronger cable tray series (e.g. from NEMA 20B to NEMA 20C) will increase the price of the cable tray system minimally, possibly less than $1/ft., with little or no additional labor cost for installation. Alternately, one extra support may cost $80.00 (material and labor) for a simple trapeze. Future cable additions or the capability of supporting equipment, raceways for example, also favor stronger cable tray systems. *In summary, upgrading to a stronger cable tray series is typically more cost-effective than using the recommended additional supports for a lighter duty cable tray series.*

3. The support span lengths should be equal to or less than unspliced straight section lengths, to ensure that no more than one splice is placed between supports.

Cable Tray Selection-Strength

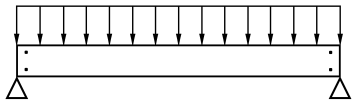
Deflection

Deflection in a cable tray system is primarily an aesthetic consideration. When a cable tray system is installed in a prominent location, a maximum simple beam deflection of 1/200 of support span can be used as a guideline to minimize visual deflection.

It is important at this point to mention that there are two typical beam configurations, simple beam and continuous beam, and to clarify the difference.

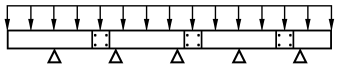
A good example of a simple beam is a single straight section of cable tray supported, but not fastened at either end. When the tray is loaded the cable tray is allowed to flex. Simple beam analysis is used almost universally for beam comparisons even though it is seldom practical in the field installations. The three most prominent reasons for using a simple beam analysis are: calculations are simplified; it represents the worst case loading; and testing is simple and reliable. The published load data in the B-Line cable tray catalog is based on the simple beam analysis per NEMA & CSA Standards.

Simple Beam



Continuous beam is the beam configuration most commonly used in cable tray installations. An example of this configuration is where cable trays are installed across several supports to form a number of spans. The continuous beam possesses traits of both the simple and fixed beams. When equal loads are applied to all spans simultaneously, the counterbalancing effect of the loads on both sides of a support restricts the movement of the cable tray at the support. The effect is similar to that of a fixed beam. The end spans behave substantially like simple beams. When cable trays of identical design are compared, the continuous beam installation will typically have approximately half the deflection of a simple beam of the same span. Therefore simple beam data should be used only as a general comparison. The following factors

Continuous Beam



should be considered when addressing cable tray deflection:

1. Economic consideration must be considered when addressing cable deflection criteria.

2. Deflection in a cable tray system can be reduced by decreasing the support span, or by using a taller or stronger cable tray.

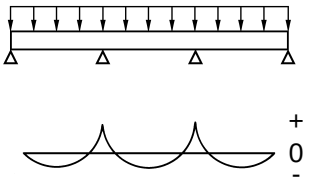
3. When comparing cable trays of equivalent strength, a steel cable tray will typically exhibit less deflection than an aluminum cable tray since the modulus of elasticity of steel is nearly three times that of aluminum.

4. The location of splices in a continuous span will affect the deflection of the cable tray system. The splices should be located at points of minimum stress whenever practical. NEMA Standards VE-1 limits the use of splice plates as follows:

Unspliced straight sections should be used on all simple spans and on end spans of continuous span runs. Straight section lengths should be equal to or greater than the span length to ensure not more than one splice between supports.

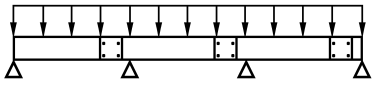
See the figures below for splicing configuration samples.

Typical Continuous Span Configuration

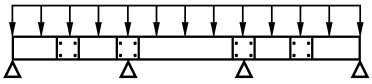


+ Maximum Positive Movement
- Maximum Negative Movement

Preferred Splice Plate Locations



Undesirable Splice Plate Locations



Load Capacity

Calculate each anticipated load factor, then add them to obtain a total load. (Example: Working Load = Cable + Concentrated + Wind + Snow + Ice Loads). The Working Load should be used, along with the maximum support spacing, to select a span/load class designation from Table 2. This Class Designation is now used to obtain the proper tray series. By utilizing the NEMA or CSA Class Designation Table, the most efficient tray series will be determined.

There are four support span categories for cable tray:

8 = 8 ft
12 = 12 ft
16 = 16 ft
20 = 20 ft

as well as, three basic working load categories:

A = 50 lbs / linear ft
B = 75 lbs / linear ft
C = 100 lbs / linear ft

Table 2 - NEMA Load/Span Designations

Class Designation	Support Span Feet	Working Load Lbs./Linear Foot
8A	8	50
8B	8	75
8C	8	100
12A	12	50
12B	12	75
12C	12	100
16A	16	50
16B	16	75
16C	16	100
20A	20	50
20B	20	75
20C	20	100

Table 3 - CSA Load/ Span Designations

Load Class	Design loads in kg/m at varying support spacings of						
	1.5m	2.0m	2.5m	3.0m	4.0m	5.0m	6.0m
A	99	62	45	37	N/A	N/A	N/A
C_1	259	164	119	97	N/A	N/A	N/A
D_1	N/A	N/A	N/A	179	113	82	67
E	N/A	N/A	N/A	299	189	137	112

Table 4 - B-Line Cable Tray Load Classes

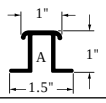
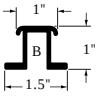
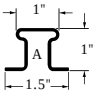
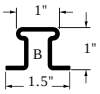
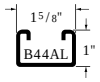
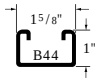
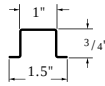
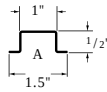
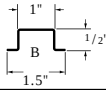
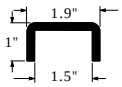
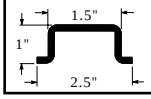
Aluminum Copper free				Steel HDGAF/Pre-Galvanized			
Series	Load Depth	NEMA Class	CSA Class	Series	Load Depth	NEMA Class	CSA Class
14A	3	8B		148*	3	12A	C_1 (3m)
M14A	3	12A	C_1 (3m)	248*	3	12C	D_1 (3m)
24A	3	12C	D_1 (3m)	346*	3	20A	D_1 (6m)
M24A	3	20A	D_1 (6m), E (3m)	444*	3	20B	E (3m)
34A	3	20B	E (6m)	156*	4	12B	C_1 (3m)
25A	4	16B	D_1 (6m)	258*	4	12C	D_1 (3m)
35A	4	16C	E (3m)	356*	4	16C	D_1 (6m)
26A	5	20A	D_1 (6m)	454*	4	20C	E (6m)
36A	5	20B	E (6m)	166*	5	12B	C_1 (3m)
46A	5	20C		268*	5	12C	D_1 (3m)
M46A	5	116# @ 20'		368†	5	20A	D_1 (3m)
H46A	5	167# @ 20'		366*	5	20B	E (6m)
37A	6	20B		464*†	5	119# @ 20'	E (6m)
47A	6	148# @ 20'		176*	6	12B	
57A	6	75# @ 30'		378*	6	20A	D_1 (3m)
S8A	7	173# @ 30'		476*	6	20B	D_1 (6m)
				574*	6	117# @ 20'	E (6m)

* G denotes CSA Type 1 (HDGAF)
P denotes CSA Type 2 (Mill-Galvanized)
† SS4 (Type 304 Stainless) or SS6 (Type 316 Stainless)

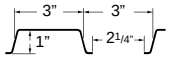
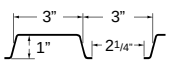
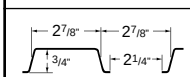
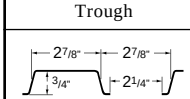
Cable Tray Selection-Strength

Load Capacity

Ladder Type Rungs

Rung Type	Design Factors	Material Type	Single Rung Uniform Load Capacity (in Lbs.) with safety factor of 1.5						
			Tray Width						
			6	9	12	18	24	30	36
	Ix = .0361 in.^{4} Sx = .0707 in.^{3}	Aluminum	2357	1571	1178	785	589		
	Ix = .0432 in.^{4} Sx = .0877 in.^{3}	Aluminum						591	487
	Ix = .0249 in.^{4} Sx = .0528 in.^{3}	Steel	2323	1549	1162	774	581		
	Ix = .0312 in.^{4} Sx = .0661 in.^{3}	Steel						582	485
	Ix = .0450 in.^{4} Sx = .0787 in.^{3}	Aluminum Strut Rung	2623	1748	1311	874	656	525	437
	Ix = .0445 in.^{4} Sx = .0782 in.^{3}	Steel Strut Rung	3437	2292	1719	1145	860	687	573
	Ix = .0129 in.^{4} Sx = .0314 in.^{3}	Aluminum Series 1	1047	698	523	349	262	210	175
	Ix = .0039 in.^{4} Sx = .0134 in.^{3}	Steel Series 1	972	648	486	324	243		
	Ix = .0047 in.^{4} Sx = .0164 in.^{3}	Steel Series 1						234	195
	Ix = .0497 in.^{4} Sx = .0828 in.^{3}	Aluminum Marine Rung	2781	1840	1380	919	690	558	460
	Ix = .0456 in.^{4} Sx = .0797 in.^{3}	Steel Marine Rung	2656	1771	1328	885	664	531	442

Corrugated Bottoms (Ventilated and Solid)

Bottom Type	Design Factors	Material Type	Single Rung Load Capacity (in Lbs.) with safety factor of 1.5						
			Tray Width						
			6	9	12	18	24	30	36
 Trough	Ix = .0455 in.^{4} Sx = .0898 in.^{3}	Aluminum	3141	2029	1491	970	726	660	594
 Trough	Ix = .0348 in.^{4} Sx = .0667 in.^{3}	Steel	2973	1946	1445	955	711	650	590
 Trough	Ix = .0243 in.^{4} Sx = .0677 in.^{3}	Series One Aluminum	2448	1632	1224	816	612		
 Trough	Ix = .0185 in.^{4} Sx = .0503 in.^{3}	Series 148 Steel	2645	1763	1323	881	661		

Allowable Cable Fill

For allowable cable types see the Appendix page A-9.

The following guidelines are based on the 1999 National Electrical Code, Article 318.

I) Number of Multiconductor Cables rated 2000 volts or less in the Cable Tray

(1) 4/0 or Larger Cables

The ladder cable tray must have an inside available width equal to or greater than the sum of the diameters (Sd) of the cables, which must be installed in a single layer. When using solid bottom cable tray, the sum of the cable diameters is not to exceed 90% of the available cable tray width.

Example: Cable Tray width is obtained as follows:

List Cable Sizes	(D) List Cable Outside Diameter	(N) List Number of Cables	Multiply (D) x (N) = Subtotal of the Sum of the Cable Diameters
3/C - #500 kcmil	2.26 inches	1	2.26 inches
3/C - #250 kcmil	1.76 inches	2	3.52 inches
3/C - #4/0 AWG	1.55 inches	4	6.20 inches

The sum of the diameters (Sd) of all cables = 2.26 + 3.52 + 6.20 = 11.98 inches; therefore a cable tray with an available width of at least 12 inches is required.

(2) Cables Smaller Than 4/0

The total sum of the cross-sectional areas of all the cables to be installed in the cable tray must be equal to or less than the allowable cable area for the tray width, as indicated in Table 3. When using solid bottom cable tray, the allowable cable area is reduced by 22%.

Allowable Cable Fill

Table 3

Inside Width of Cable Tray inches	Allowable Cable Area square inches
6	7.0
9	10.5
12	14.0
18	21.0
24	28.0

Example: The cable tray width is obtained as follows:

List Cable Sizes	(A) List Cable Cross Sectional Areas	(N) List Number of Cables	Multiply (A) x (N) = Total of the Cross-Sectional Area for each Size
3/C - #12 AWG	0.167 sq. in.	10	1.67 sq. in.
4/C - #12 AWG	0.190 sq. in.	8	1.52 sq. in.
3/C - # 6 AWG	0.430 sq. in.	6	2.58 sq. in.
3/C - # 2 AWG	0.800 sq. in.	9	7.20 sq. in.

The sum of the total areas is 1.67 + 1.52 + 2.58 + 7.20 = 12.97 inches. Using Table 3, a 12-inch wide tray with an allowable cable area of 14 sq. inches should be used.

Note: Increasing the cable tray loading depth does not permit an increase in allowable cable area for power and lighting cables. The maximum allowable cable area for all cable tray with a 3 inch or greater loading depth is limited to the allowable cable area for a 3 inch loading depth.

(3) 4/0 or Larger Cables Installed with Cables Smaller than 4/0

The ladder cable tray needs to be divided into two zones (a barrier or divider is not required but one can be used if desired) so that the No. 4/0 and larger cables have a dedicated zone, as they are to be placed in a single layer.

A direct method to determine the correct cable tray width is to figure the cable tray widths required for each of the cable combinations per steps (2) & (3). Then add the widths in order to select the proper cable tray width.

Example: The cable tray width is obtained as follows:

Part A- Width required for #4/0 AWG and larger multiconductor cables

List Cable Size	(D) List Cable Outside Diameter	(N) List Number of Cables	Multiply (D) x (N) = Subtotal of the Sum of the Cable Diameters (Sd)
3/C - #500kcmil	2.26 inches	1	2.26 inches
3/C - #4/0 AGW	1.55 inches	2	3.10 inches

Cable tray width (inches) required for large cables = 2.26 + 3.10 = 5.36 inches.

Part B- Width required for multiconductor cables smaller than #4/0 AWG

List Cable Sizes	(A) List Cable Cross Sectional Areas	(N) List Number of Cables	Multiply (A) x (N) = Total of the Cross-Sectional Area for each Size
3/C - #12 AWG	0.167 sq. in.	10	1.67 sq. in.
3/C - #6 AWG	0.430 sq. in.	8	3.44 sq. in.
3/C - #2 AWG	0.800 sq. in.	2	1.60 sq. in.

The sum of the total areas (inches) = 1.67 + 3.44 + 1.60 = 6.71 sq. inches.
From Table 3, the cable tray width required for small cables is 6 inches.

The total cable tray width (inches) = 5.36 + 6.00 = 11.36 inches. A 12-inch wide cable tray is required.

(4) Multiconductor Control and/or Signal Cables Only

A ladder cable tray containing only control and/or signal cables, may have 50% of its total available cable area filled with cable. When using solid bottom cable tray pans, the allowable cable area is reduced from 50 % to 40%.

Example: Cable tray width is obtained as follows:
2/C- #16 AWG instrumentation cable cross sectional area = 0.04 sq. in.
Total cross sectional area for 300 Cables = 12.00 sq. in.
Minimum available cable area needed = 12.00 x 2 = 24.00 sq. in.; therefore the cable tray width required for 4 inch available loading depth tray = 24.00/4 = 6 inches.

Allowable Cable Fill

II) Number of Single Conductor Cables rated 2000 volts or less in the Cable Tray

All single conductor cables to be installed in the cable tray must be 1/0 or larger, and are not to be installed with continuous bottom pans.

(1) 1000 KCMIL or Larger Cables

The sum of the diameters (Sd) for all single conductor cables to be installed shall not exceed the cable tray width. See Table 5.

(2) 250 KCMIL to 1000 KCMIL Cables

The total sum of the cross-sectional areas of all the single conductor cables to be installed in the cable tray must be equal to or less than the allowable cable area for the tray width, as indicated in Table 4. (Reference Table 6)

Table 4

Inside Width of Cable Tray inches	Allowable Cable Area square inches
6	6.50
9	9.50
12	13.00
18	19.50
24	26.00
30	32.50
36	39.00

(3) 1000 KCMIL or Larger Cables Installed with Cables Smaller than 1000 KCMIL

The total sum of the cross-sectional areas of all the single conductor cables to be installed in the cable tray must be equal to or less than the allowable cable area for the tray width, as indicated in Table 5.

Table 5

Inside Width of Cable Tray inches	Allowable Cable Area square inches
6	6.50 - (1.1 Sd)
9	9.50 - (1.1 Sd)
12	13.00 - (1.1 Sd)
18	19.50 - (1.1 Sd)
24	26.00 - (1.1 Sd)
30	32.50 - (1.1 Sd)
36	39.00 - (1.1 Sd)

Note: Sd = the sum of the diameters of all 1000 KCMIL and larger cables.

(4) Single Conductor Cables 1/0 through 4/0

These single conductors must be installed in a single layer. See Table 6.

Note: It is the opinion of some that this practice may cause problems with unbalanced voltages. To avoid these potential problems, the individual conductors for this type of cable tray wiring system should be bundled with ties. The bundle should contain all of the three-phase conductors for the circuit, plus the neutral if used. The single conductor cables bundle should be firmly tied to the cable tray assembly at least every 6 feet.

Table 6

Number of 600 Volt Single Conductor Cables that may be Installed in Ladder Cable Tray

Single Conductor Size	Outside Diameter in.	Area sq. in.	Cable Tray Width 6 in.	9 in.	12 in.	18 in.	24 in.
1/0	0.58	-	10	15	20	31	41
2/0	0.62	-	9	14	19	29	38
3/0	0.68	-	8	13	17	26	35
4/0	0.73	-	8	12	16	24	32
250 Kcmil	0.84	.55	11	18	24	35	47
350 Kcmil	0.94	.69	9	14	19	28	38
500 Kcmil	1.07	.90	7	11	14	22	29
750 Kcmil	1.28	1.29	5	8	10	15	20
1000 Kcmil	1.45	-	4	6	8	12	16

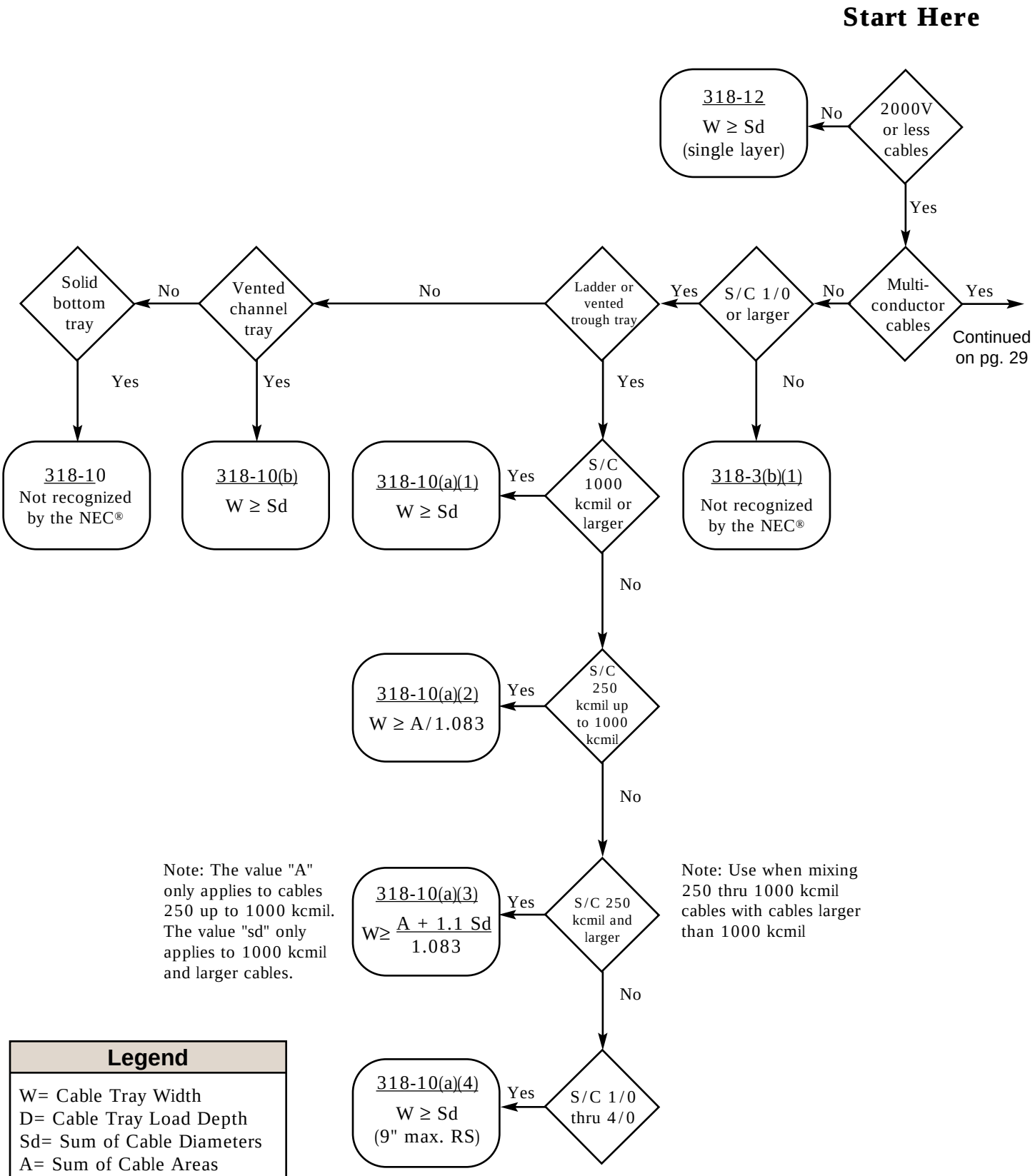
Cable diameters used are those for Oknite-Okolon 600 volt single conductor power cables.

III) Number of Type MV and MC cables rated 2001 volts or over in the Cable Tray

The sum of the diameters (Sd) of all cables, rated 2001 volts or over, is not to exceed the cable tray width.

Cable Tray Selection- Width and Available Loading Depth

Sizing Cable Tray Per NEC 318

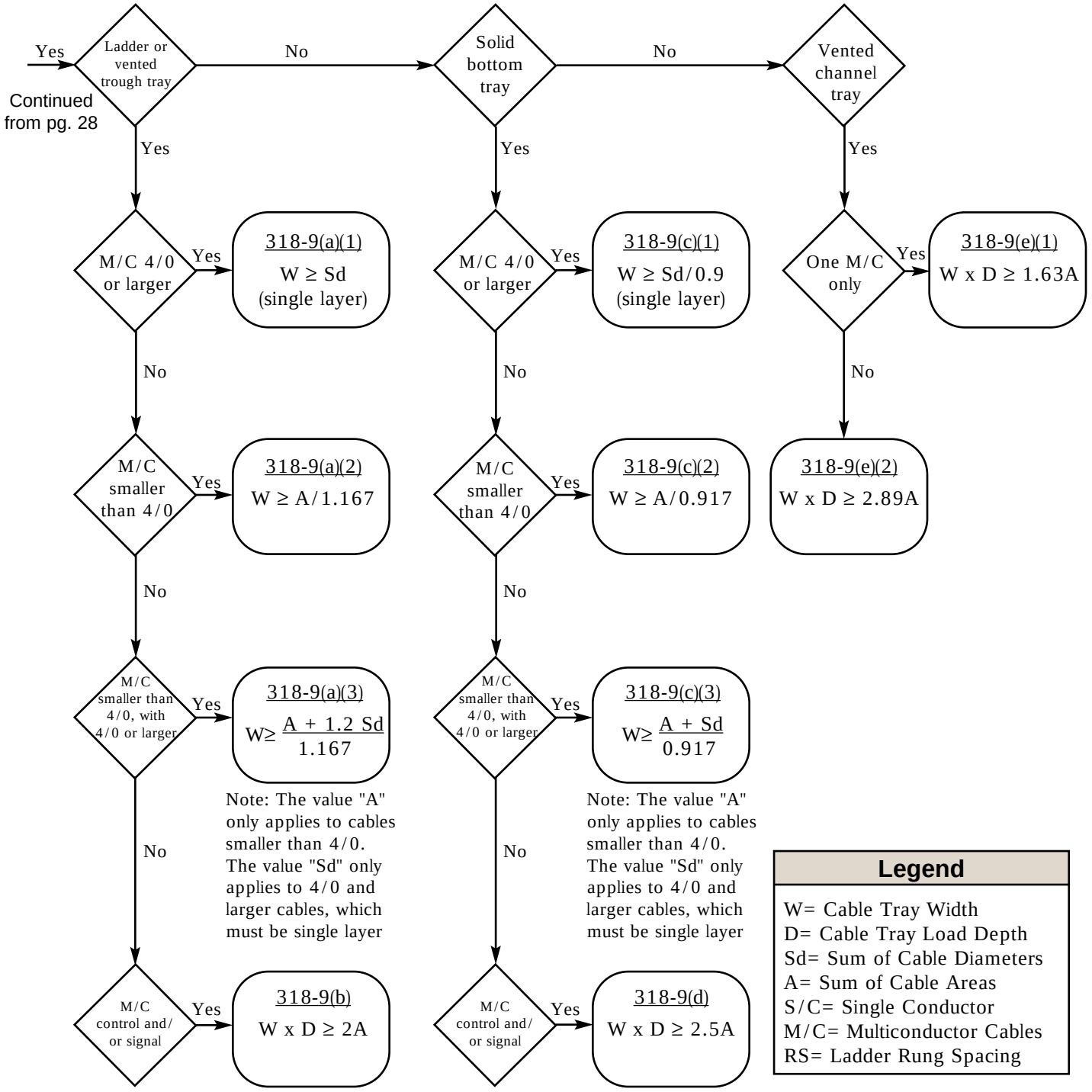


Legend

W= Cable Tray Width
D= Cable Tray Load Depth
Sd= Sum of Cable Diameters
A= Sum of Cable Areas
S/C= Single Conductor
M/C= Multiconductor Cables
RS= Ladder Rung Spacing

Cable Tray Selection- Width and Available Loading Depth

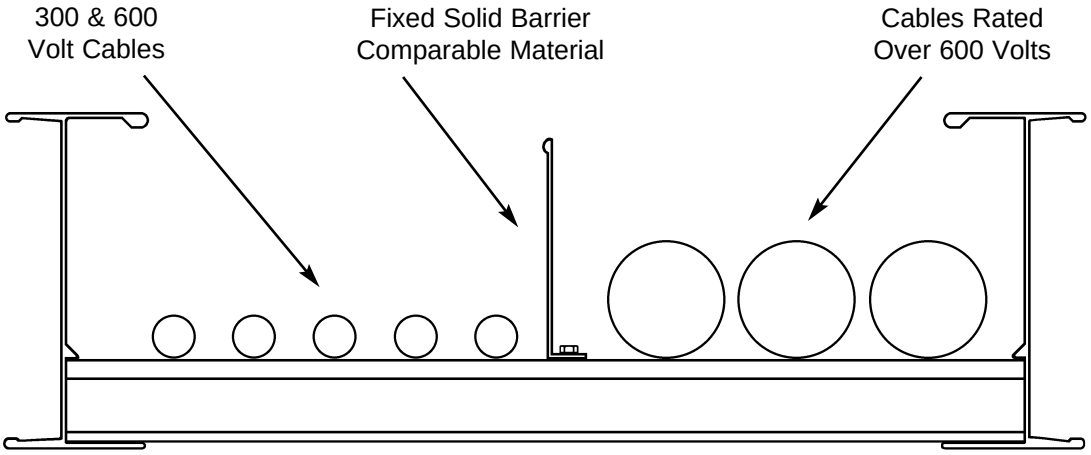
Note: See appendix on page A-18 for additional information regarding cable ampacity and hazardous (classified) location requirements which might effect the cable tray sizing flow chart.



Barrier Requirements

Barrier strips are used to separate cable systems, such as when cables above and below 600 volts per NEC 318-6(f) are installed in the same cable tray. However, when MC type cables rated over 600 volts are installed in the same cable tray with cables rated 600 volts or less, no barriers are required. The barriers should be made of the same material type as the cable tray.

When ordering the barrier, the height must match the *loading depth* of the cable tray into which it is being installed.



Future Expansion Requirements

One of the many features of cable tray is the ease of adding cables to an existing system. Future expansion should always be considered when selecting a cable tray, and allowance should be made for additional *fill area* and *load capacity*. A minimum of 50% expansion allowance is recommended.

Space Limitations

Any obstacles which could interfere with a cable tray installation should be considered when selecting a cable tray width and height. Adequate clearances should be allowed for installation of supports and for cable accessibility. Note: The overall cable tray dimensions typically exceed the nominal tray width and loading depth.

Lengths Available

B-Line Series cable trays are available in standard lengths of 144" (NEMA) or 120" (CSA). Series 2, 3, 4 and 5 cable trays are also available in standard lengths of 288" (NEMA) or 240" (CSA). Special lengths are available.

Support Span

The support span on which a cable tray is installed should not exceed the length of the unspliced straight section. Thus, NEMA installations with support spans greater than 12 feet should use 288" (24 feet) tray lengths. Likewise, CSA installations with support spans greater than 10 feet (3m) should use 240" (20 feet or 6m) tray lengths.

Space Limitations

Consideration should be given to the space available for moving the cable tray from the delivery truck to it's final installation location. Obviously, shorter cable tray allows for more maneuverability in tight spaces.

Installation

Shorter cable tray lengths are typically easier to maneuver on the job site during installation. Two people may be needed to manipulate longer cable tray sections, while shorter sections might be handled by one person. Although longer cable tray lengths are more difficult to maneuver, they can reduce installation time due to the fact that there are fewer splice connections. This trade-off should be evaluated for each set of job site restrictions.

Cable Tray Selection-Bottom Type

Type of Cable

According to NEC Article 318, multiconductor tray cable may be installed in any standard cable tray bottom type. Single conductor tray cable may be installed only in ladder or ventilated bottom cable trays (not solid bottom). Solid bottom cable trays are not allowed to be installed in Class II, Division 2 locations (1999 NEC Section 502-4(b)). In general, small, highly flexible cables should be installed in solid bottom, vented bottom or 6" rung spacing ladder type cable trays. Sensitive cables (e.g. fiberoptic) are typically installed in flat, solid bottom cable trays, instead of corrugated trough bottoms. Larger, less flexible cables are typically installed in ladder type cable trays having 9" or 12" rung spacing. Ladder type cable trays having 18" rung spacing should be used for large, stiff cables to reduce cost and facilitate cable drop-outs.

Cost vs Strength

Often more than one bottom type is acceptable. In this case the economic difference should be considered. Ladder cable trays have a lower cost than either solid or ventilated bottom configurations. Typically, the cost of ladder type cable tray decreases as rung spacing increases. However, the effect of rung spacing on load capacity for ladder type cable trays with 18" rung spacing should be evaluated, since NEMA published load capacities are based on 12" rung spacing. Rung spacing can affect individual rung and siderail loading as well as system load capacity. Rung loads applied during cable installation should also be considered. (See page 22 for B-Line rung load capacities)

Cable Exposure

Tray cables are manufactured to withstand the environment without additional protection, favoring the use of the ladder type cable tray. Some areas may benefit from the limited exposure of solid or vented bottom cable tray. Solid Bottom metal cable tray with solid metal covers can be utilized in other spaces used for environmental air to support non plenum rated tray cables (1999 NEC® 300-22(C)(1))

Cable Attachment

The major advantage of ladder type cable tray is the freedom of entry and exit of the cables. Another advantage of ladder type cable tray is the ability to secure cables in the cable tray. With standard rungs the cables may be attached with either cable ties or cable clamps. The ladder type cable tray is also available with special purpose, slotted marine or strut rungs to facilitate banding or clamping cables. Cable attachment is particularly important on vertical runs or when the tray is installed on its side. Ladder rung spacing should be chosen to provide adequate cable attachment points while allowing the cables to exit the system.

Cable Flexibility

The proper bend radius for cable tray fittings is usually determined by the bend radius and stiffness of the tray cables to be installed. Typically, the tray cable manufacturer will recommend a minimum bend allowance for each cable. The fitting radius should be equal to or larger than the minimum bend radius of the largest cable which may ever be installed in the system. When several cables are to be installed in the same cable tray, a larger bend radius may be desirable to ease cable installation.

Space Limitations

The overall dimensions for a cable tray fitting will increase as the bend radius increases. Size and cost make the smallest acceptable fitting radius most desirable. When large radius fittings are required, the system layout must be designed to allow adequate space.

Channel Cable Tray-Straight Sections

Straight Section Part Numbering

Prefix

Example: A CC - 04 - 120

Material

A = Aluminum 6063-T4
APVC = Aluminum, PVC Coated
G = Type 1 - HDGAF
P = Type 2 - Pre-Galvanized
SS4 = 304 Stainless Steel
SS6 = 316 Stainless Steel
SPVC = Carbon Steel, PVC Coated

Type

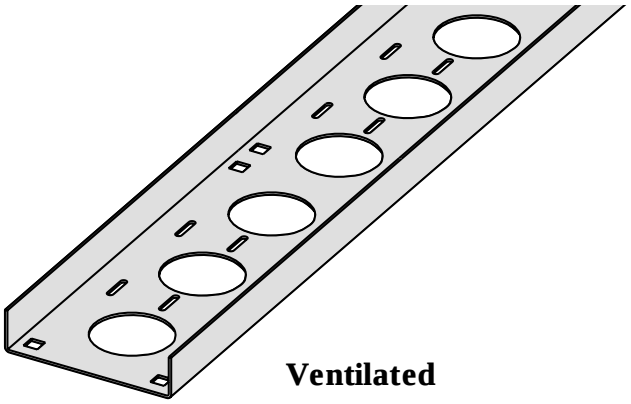
CC = Ventilated Cable Channel
CCN = Non-Ventilated Cable Channel(†)

Width

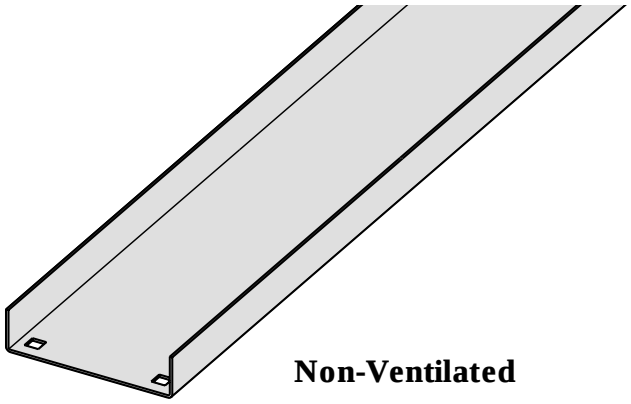
03 = 3"
04 = 4"
06 = 6"

Length

144 = 12 ft.
120 = 10 ft.



Ventilated



Non-Ventilated

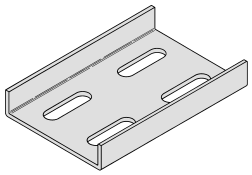
Ventilated straight sections contain $2^{1}/_{4}$" diameter holes and $^{3}/_{16}$" x $^{7}/_{8}$" slots for cable attachment. Ventilated straight sections also have splice holes repeating every 12" to simplify field modifications.

Mtl. Type	Width in.	Depth in.	UL Area in^2	Load Data * Safety Factor = 1.5	Support Span (Ft) 5	6	10	12	Load Data * Safety Factor = 1.5	Support Span (m) 1.5	1.8	3.0	3.7
Aluminum	**3**	1.25	0.06	Load (lbs/ft)	**22**	**15**	**5**	**4**	Load (kg/m)	**32**	**22**	**8**	**6**
	(75)	(32)		Deflection Multiplier	0.025	0.051	0.395	0.820	Deflection Multiplier	0.422	0.874	6.747	13.990
	4	1.75	0.06	Load (lbs/ft)	**48**	**33**	**12**	**8**	Load (kg/m)	**71**	**49**	**18**	**12**
	(100)	(44)		Deflection Multiplier	0.0071	0.015	0.114	0.236	Deflection Multiplier	0.122	0.252	1.945	4.033
	6	1.75	1.00	Load (lbs/ft)	**52**	**36**	**13**	**9**	Load (kg/m)	**77**	**54**	**19**	**13**
	(150)	(44)		Deflection Multiplier	0.0055	0.011	0.088	0.183	Deflection Multiplier	0.0939	0.195	1.503	3.117
Steel 14 Gauge	**3**	1.25	0.20	Load (lbs/ft)	**24**	**17**	**6**	**4**	Load (kg/m)	**36**	**25**	**9**	**6**
	(75)	(32)		Deflection Multiplier	0.013	0.028	0.216	0.447	Deflection Multiplier	0.230	0.477	3.677	7.625
	4	1.75	0.40	Load (lbs/ft)	**52**	**36**	**13**	**9**	Load (kg/m)	**77**	**54**	**19**	**13**
	(100)	(44)		Deflection Multiplier	0.0039	0.0082	0.063	0.130	Deflection Multiplier	0.0671	0.1391	1.074	2.226
	6	1.75	0.40	Load (lbs/ft)	**59**	**41**	**15**	**10**	Load (kg/m)	**88**	**61**	**22**	**15**
	(150)	(44)		Deflection Multiplier	0.0030	0.0063	0.049	0.101	Deflection Multiplier	0.0518	0.1074	0.829	1.719

To calculate simple Beam Deflection in inches, multiply the design load (lbs/ft) by the Deflection Multiplier shown for the span.
To calculate simple Beam Deflection in millimeters, multiply the design load (kg/m) by the Deflection Multiplier shown for the span.
All dimensions in parenthesis are millimeters unless otherwise specified.
* Load data is determined by realistic deflection, not by failure.
† Not recognized by the NEC®

Splice Plate

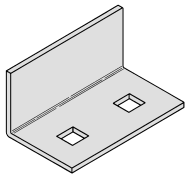
The Splice Plate has the standard 4-hole pattern for all cable channel.
- Provided with straight sections and fittings.
- Furnished as one plate with hardware.
- (*) Insert A, G, P, SS4, SS6



Catalog No.	Channel Width in.	Channel Width mm
9(*)-1043	3	76
9(*)-1044	4	101
9(*)-1044-6	6	152

Blind End Plate

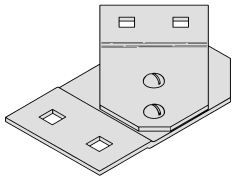
The Blind End Plate forms a closure for any cable channel dead end.
- Furnished as one plate with hardware.
- (*) Insert A, G, P, SS4, SS6



Catalog No.	Channel Width in.	Channel Width mm
9(*)-1583	3	76
9(*)-1584	4	101
9(*)-1586	6	152

Horizontal Adjustable Splice Plate

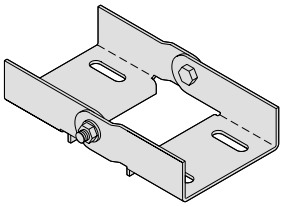
The Horizontal Adjustable Splice Plate adapts to changes in direction in a horizontal plane, beyond the capability of the standard horizontal fittings.
- Furnished as one plate with hardware.
- (*) Insert A, G, P, SS4, SS6



Catalog No.	Channel Width in.	Channel Width mm
9(*)-1743	3	76
9(*)-1744	4	101
9(*)-1746	6	152

Vertical Adjustable Splice Plate

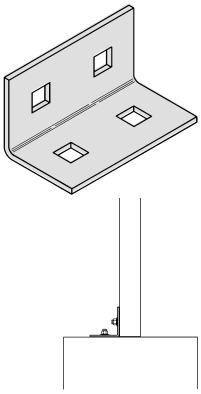
The Adjustable Splice Plate allows changes in elevation where standard vertical fittings are not applicable.
- Furnished as one plate with hardware.
- (*) Insert A, G, ZN, SS4, SS6



Catalog No.	Channel Width in.	Channel Width mm
9(*)-1643	3	76
9(*)-1644	4	101
9(*)-1646	6	152

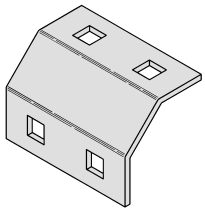
Box Connector

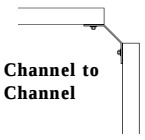
The Box Connector is used to attach the end of a cable channel run to a distribution box or a control center.
- Furnished as one connector with hardware.
- (*) Insert A, G, P, SS4, SS6

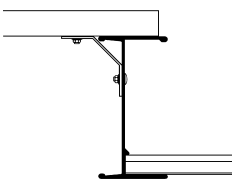


Catalog No.	Channel Width in.	Channel Width mm
9(*)-1543	3	76
9(*)-1544	4	101
9(*)-1546	6	152

Channel To Tray or Channel To Channel Connector





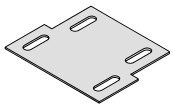


Catalog No.	Channel Width in.	Channel Width mm
9(*)-1261-3	3	76
9(*)-1261-4	4	101
9(*)-1261-6	6	152

The Channel Connector is used to link a cable channel to a cable tray, or a cable channel to cable channel.
- Furnished as one plate with hardware.
- (*) Insert A, G, P, SS4, SS6

Channel Reducer Plate

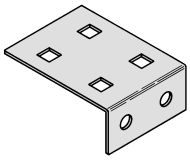
The Channel Reducer Plate is used to join cable channel sections of different widths.
- Furnished as one plate with hardware.
- (*) Insert A, G, P, SS4, SS6

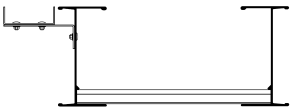


Catalog No.	Channel Width in.	Channel Width mm
9(*)-1843	4 to 3	101 to 76
9(*)-1863	6 to 3	152 to 76
9(*)-1864	6 to 4	152 to 101

Mounting Bracket - Channel To Tray

The Mounting Bracket allows a parallel run of cable channel to be attached to the side of a cable tray. It can also serve as a support splice connection.
- Furnished as one bracket.
- Order hardware separately.
- (*) Insert A, G, ZN, SS4, SS6





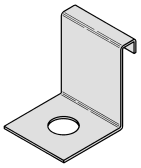
Catalog No.	Channel Width in.	Channel Width mm
9(*)-1237-3	3	76
9(*)-1237-4	4	101
9(*)-1237-6	6	152

All dimensions in shaded areas are millimeters unless otherwise specified.

Channel Cable Tray-Accessories

Expansion Guide Clamp

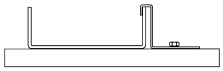
The Expansion Guide Clamp allows cable channel to expand and contract in the horizontal plane, but not in the transverse plane.
- Furnished as one clamp.
- Order 1/2" hardware separately.
- (*) Insert A, G, ZN, SS4, SS6

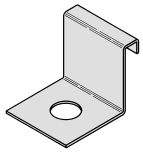


Catalog No.	Channel Width	
	in.	mm
9(*)-1243	3	76
9(*)-1244	4	101
9(*)-1244	6	152

Hold-Down Clamp

The Hold-Down Clamp secures cable channel to a support member.
- Furnished as one clamp.
- Order 1/2" hardware separately.
- (*) Insert A, G, ZN, SS4, SS6

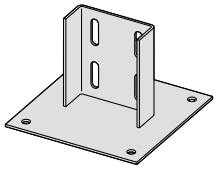




Catalog No.	Channel Width	
	in.	mm
9(*)-1245	3	76
9(*)-1246	4	101
9(*)-1246	6	152

Channel To Floor Base Plate

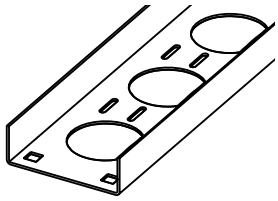
The Channel to Floor Base Plate is used to attach the end of a cable channel run to the floor or to an equipment mounting pad.
- Anchors and hardware are ordered separately.
- (*) Insert A, G, ZN, SS4, SS6



Catalog No.	Channel Width	
	in.	mm
9(*)-3305-3	3	76
9(*)-3305-4	4	101
9(*)-3305-6	6	152

Cable Channel Bushing

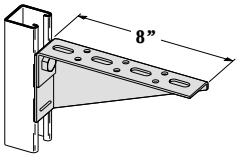
The Cable Channel Bushing is a snap-in plastic bushing used to protect cable insulation from mechanical wear.



Catalog No.	99-1125

Cable Channel Brackets

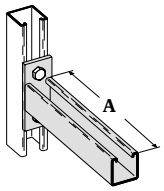
- Finishes available: ZN, G



Catalog No.	Channel Width	
	in.	mm
B185CCL	3	76
	4	101
	6	152

Cable Channel Brackets

- Finishes available: ZN, G, GRN

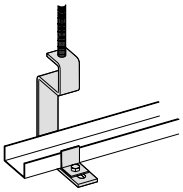


Catalog No.	Channel Width		A	
	in.	mm	in.	mm
B409-6	3	76	6	152
B409-9	4, 6	101, 152	9	228

Cable Channel Hangers

Designed for 1/2 Threaded Rod

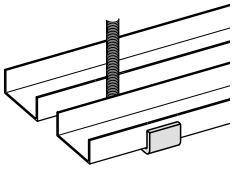
Single Cable Channel Hanger



150 lb
Safety Factor 3.0

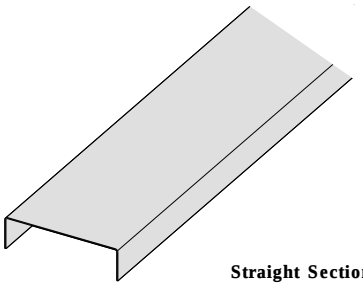
Material	Channel Width					
	in.	mm	in.	mm	in.	mm
	3	76	4	101	6	152
Zinc Plated Steel						
Double Channel	9ZN-1232-3		9ZN-1232-4		9ZN-1232-6	
Single Channel	9ZN-1231-3 & 4		9ZN-1231-3 & 4		9ZN-1231-6	
HDGAF Steel (18 Ga.)						
Double Channel	9G-1232-3		9G-1232-4		9G-1232-6	
Single Channel	9G-1231-3 & 4		9G-1231-3 & 4		9G-1231-6	

Double Cable Channel Hanger

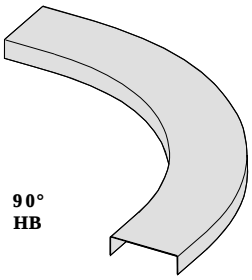


265 lb
Safety Factor 3.0

Cable Channel Covers



Straight Section



90°
HB

Covers Part Numbering

Prefix

Example: 80 8 A 40 - 04 - 144

Cover Type
80 = Solid

Detail
8 = Flanged

Material
A = Aluminum
APVC = Aluminum, PVC Coated
G = Type 1 HDGAF
P = Type 2 Pre-Galvanized
SS4 = 304 Stainless Steel
SS6 = 316 Stainless Steel
SPVC = Carbon Steel, PVC Coated

Material Thickness
40 = .040 Aluminum
20 = 20 Gauge Pre-Galvanized
18 = 18 Gauge HDGAF

Tray Width
03 = 3"
04 = 4"
06 = 6"

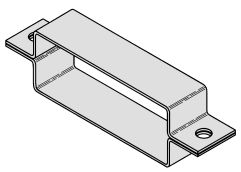
Item Description
For Straight Section Cover:
Pre-Galv & Aluminum Only:
144 = 12 ft.
120 = 10 ft.
Pre-Galv, HDGAF & Alum
72 = 6 ft.
60 = 5 ft.
For fitting covers: Insert suffix of fitting to be covered.

Straight Section Part Number Material	Length	Channel Width in.	mm	in.	mm	in.	mm
		3	76	4	101	6	152
Aluminum (.040) Solid	12'	808A40-03-144		808A40-04-144		808A40-06-144	
	10'	808A40-03-120		808A40-04-120		808A40-06-120	
Type II Pre-galvanized Steel (20 Ga.) Solid	12'	808P20-03-144		808P20-04-144		808P20-06-144	
	10'	808P20-03-120		808P20-04-120		808P20-06-120	
Type I Hot Dip Galvanized Steel (18 Ga.) Solid	12'	808G18-03-72		808G18-04-72		808G18-06-72	
	10'	808G18-03-60		808G18-04-60		808G18-06-60	

Fitting covers are available. To order, use the cover prefix followed by the fitting description. Ex: 808A40 - 03 - 90HB12.

Wrap-Around Cover Clamp

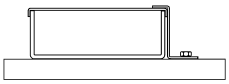
Wrap-Around Cover Clamps are used to securely hold a cover on cable channel in locations where strong winds can prevail.
- Furnished as one clamp with hardware.
- (*) Insert A, G, P, SS4, SS6

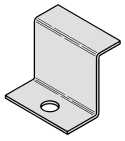


Catalog No.	Channel Width in.	mm
9(*)-9033	3	76
9(*)-9034	4	101
9(*)-9036	6	152

Combination Hold-Down & Cover Clamp

This clamp is used to hold both the cable channel and cover in place at the same time.
- Furnished as one clamp.
- Order 1/4" hardware separately.
- (*) Insert A, G, P, SS6

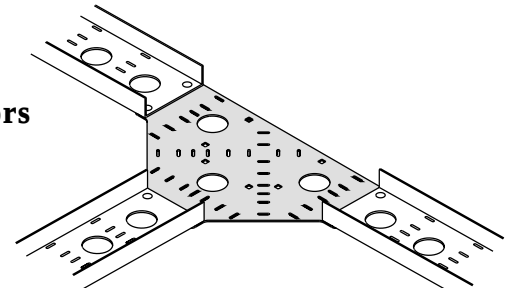




Catalog No.	Channel Width in.	mm
9(*)-9023	3	76
9(*)-9024	4	101
9(*)-9024	6	152

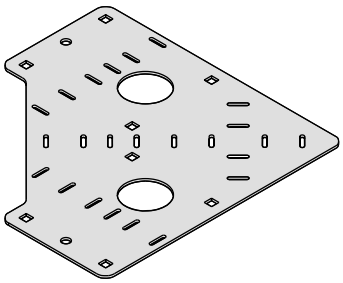
All dimensions in shaded areas are millimeters unless otherwise specified.

Channel Cable Tray Connectors

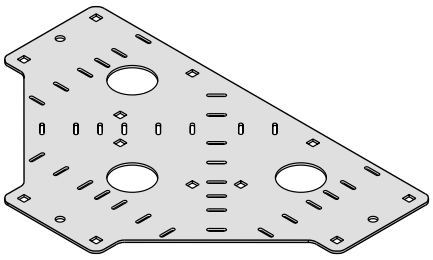


Fast, economical, space saving Channel Cable Tray Connectors
Patent No. 5,628,481; 5,782,439. Other patents pending.

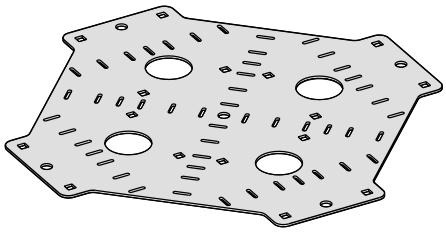
Horizontal:



90˚ Bend

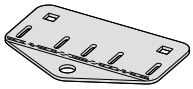


Tee



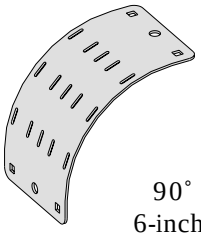
Cross

- Provides 0 or 6-inch radius connection for Cable Channel
- The Pivot Connector is available for custom angle adjustment
  - up to +/– 45˚ angle adjustment
  - order the desired quantity separately
- Slotted for easy cable fastening
- Shipped with the required hardware

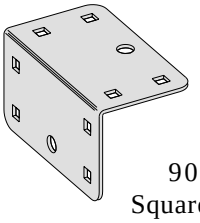


Pivot Connector

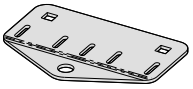
Vertical:



90˚ Bend
6-inch radius



90˚ Vertical
Square Connector
0-inch radius



Pivot Connector

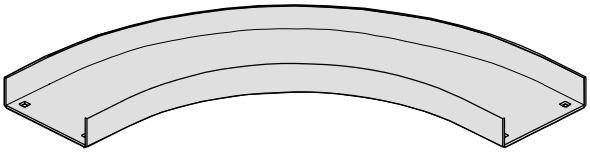
- Use the same part for VO and VI applications
- Slotted for easy cable fastening
- The Pivot Connector is available for custom angle adjustment (order separately)
- Shipped with the required hardware

Connector Part Numbering

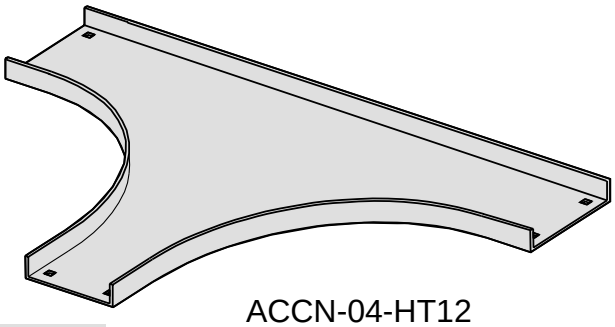
Prefix

Example: A CC - 04 - 90HC 060

Material	Tray Type	Width	Connector Type	Radius
A = Aluminum G = Type 1 HDGAF	CC = Ventilated Cable Channel	03 = 3” 04 = 4” 06 = 6”	90HC = 90˚ Horizontal HTC = Horizontal Tee HXC = Horizontal Cross 90VC = 90˚ Vertical PC = Pivot Connector	Horizontal Connectors 060 = 0" & 6" Radii Vertical Connectors 00 = 0" Radius 06 = 6" Radius

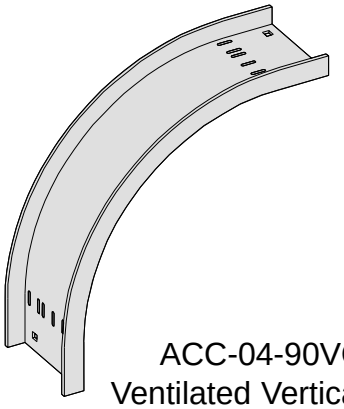


ACCN-04-90HB12
Non-Ventilated Horizontal Bend

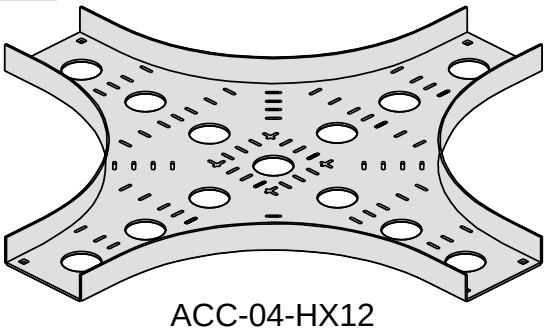


ACCN-04-HT12
Non-Ventilated Tee

Fittings engineered with 3" tangents for splicing integrity.



ACC-04-90VO12
Ventilated Vertical Bend



ACC-04-HX12
Ventilated Horizontal Cross

Fittings Part Numbering

Prefix

Example: A CCN - 04 - 90 HB 24

Material

A = Aluminum
APVC = Aluminum, PVC Coated
G = Type 1 HDGAF
SS4 = 304 Stainless Steel
SS6 = 316 Stainless Steel
SPVC = Carbon Steel, PVC Coated

Tray Type

*CC = Ventilated Cable Channel
CCN = Non-ventilated Cable Channel

Width

03 = 3”
04 = 4”
06 = 6”

Angle

30 = 30°
45 = 45°
60 = 60°
90 = 90°

Fitting Type

HB = Horizontal Bend
HT = Horizontal Tee
HX = Horizontal Cross
VI = Vertical Inside Bend
VO = Vertical Outside Bend

Radius

12 = 12"
24 = 24"
36 = 36"
48 = 48"

* Ventilated Cable Channel Fittings are available only in 12” and 24” radii.

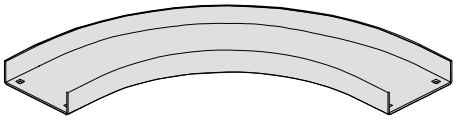
Horizontal Bends 90°, 60° (HB)

1 splice plate with hardware included.

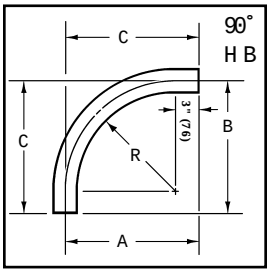
Bend Radius R		Tray Width		90˚ Horizontal Bend Dimensions							
				Catalog No.	A		B		C		
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	
12	305	3	76	**(Pre)-03-90HB12**	16 1/2	419	16 1/2	419	16 1/2	419	
		4	101	**(Pre)-04-90HB12**	17	432	17	432	17	432	
		6	152	**(Pre)-06-90HB12**	18	457	18	457	18	457	
24	609	3	76	**(Pre)-03-90HB24**	28 1/2	723	28 1/2	723	28 1/2	723	
		4	101	**(Pre)-04-90HB24**	29	737	29	737	29	737	
		6	152	**(Pre)-06-90HB24**	30	762	30	762	30	762	
36	915	3	76	**(Pre)-03-90HB36**	40 1/2	1029	40 1/2	1029	40 1/2	1029	
		4	101	**(Pre)-04-90HB36**	41	1041	41	1041	41	1041	
		6	152	**(Pre)-06-90HB36**	42	1067	42	1067	42	1067	
48	1218	3	76	**(Pre)-03-90HB48**	52 1/2	1334	52 1/2	1334	52 1/2	1334	
		4	101	**(Pre)-04-90HB48**	53	1346	53	1346	53	1346	
		6	152	**(Pre)-06-90HB48**	54	1372	54	1372	54	1372	
60˚ Horizontal Bend											
12	305	3	76	**(Pre)-03-60HB12**	16 1/4	412	9 3/8	239	10 3/4	273	
		4	101	**(Pre)-04-60HB12**	16 5/8	422	9 5/8	245	11 1/8	283	
		6	152	**(Pre)-06-60HB12**	17 1/2	445	10	254	11 5/8	296	
24	609	3	76	**(Pre)-03-60HB24**	26 5/8	819	15 3/8	391	17 3/4	451	
		4	101	**(Pre)-04-60HB24**	27	686	15 5/8	397	18	450	
		6	152	**(Pre)-06-60HB24**	27 7/8	708	16	406	18 5/8	466	
36	915	3	76	**(Pre)-03-60HB36**	37	940	21 3/8	543	24 5/8	625	
		4	101	**(Pre)-04-60HB36**	37 3/8	949	21 5/8	549	25	635	
		6	152	**(Pre)-03-60HB36**	38 1/4	972	22	559	25 1/2	648	
48	1218	3	76	**(Pre)-03-60HB48**	47 3/8	1203	27 3/8	695	31 5/8	803	
		4	101	**(Pre)-04-60HB48**	47 7/8	1216	27 5/8	702	31 7/8	810	
		6	152	**(Pre)-06-60HB48**	48 5/8	1235	28	711	32 1/2	826	

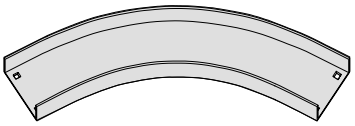
All dimensions in shaded areas are millimeters unless otherwise specified.

(Pre) See page 39 for catalog number prefix.

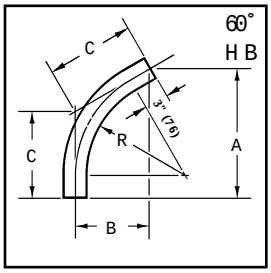


90° Horizontal Bend



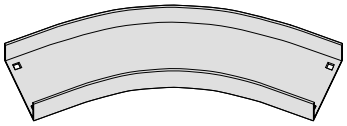


60° Horizontal Bend

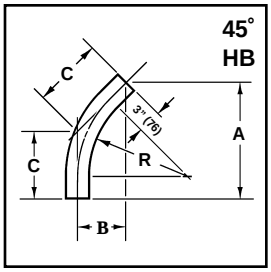


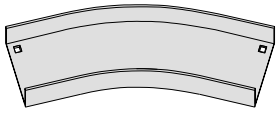
Horizontal Bends 45°, 30° (HB)

1 splice plate with hardware included.

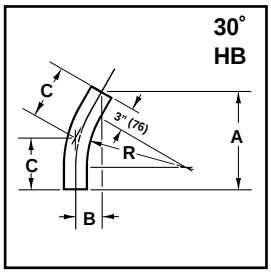


45° Horizontal Bend





30° Horizontal Bend



Bend Radius R in.	Bend Radius R mm	Tray Width in.	Tray Width mm	Catalog No.	A in.	A mm	B in.	B mm	C in.	C mm
45° Horizontal Bend Dimensions										
12	305	3	76	**(Pre)-03-45HB12**	14 5/8	371	6 1/8	156	8 5/8	219
		4	101	**(Pre)-04-45HB12**	15	381	6 1/4	159	8 7/8	225
		6	152	**(Pre)-06-45HB12**	15 3/4	400	6 1/2	165	9 1/4	235
24	609	3	76	**(Pre)-03-45HB24**	23 1/8	587	9 5/8	244	13 5/8	346
		4	101	**(Pre)-04-45HB24**	23 1/2	597	9 3/4	248	13 3/4	249
		6	152	**(Pre)-06-45HB24**	24 1/8	613	10	254	14 1/8	359
36	915	3	76	**(Pre)-03-45HB36**	31 5/8	803	13 1/8	334	18 5/8	473
		4	101	**(Pre)-04-45HB36**	32	813	13 1/4	337	18 3/4	476
		6	152	**(Pre)-06-45HB36**	32 3/4	832	13 1/2	343	19 1/8	486
48	1218	3	76	**(Pre)-03-45HB48**	40 1/8	1019	16 5/8	422	23 1/2	597
		4	101	**(Pre)-04-45HB48**	40 1/2	1029	16 3/4	425	23 3/4	603
		6	152	**(Pre)-06-45HB48**	41 1/8	1045	17	432	24 1/8	613
30° Horizontal Bend										
12	305	3	76	**(Pre)-03-30HB12**	12 3/8	314	3 1/4	83	6 5/8	168
		4	101	**(Pre)-04-30HB12**	12 5/8	321	3 3/8	86	6 3/4	171
		6	152	**(Pre)-06-30HB12**	13 1/8	334	3 1/2	89	7	178
24	609	3	76	**(Pre)-03-30HB24**	18 3/8	467	4 7/8	124	9 7/8	251
		4	101	**(Pre)-04-30HB24**	18 5/8	473	5	127	10	254
		6	152	**(Pre)-06-30HB24**	19 1/8	486	5 1/8	130	10 1/4	260
36	915	3	76	**(Pre)-03-30HB36**	24 3/8	619	6 1/2	165	13	330
		4	101	**(Pre)-04-30HB36**	24 5/8	626	6 5/8	168	13 1/8	334
		6	152	**(Pre)-06-30HB36**	25 1/8	638	6 3/4	171	13 1/2	343
48	1218	3	76	**(Pre)-03-30HB48**	30 3/8	772	8 1/8	207	16 1/4	413
		4	101	**(Pre)-04-30HB48**	30 5/8	778	8 1/4	210	16 3/8	416
		6	152	**(Pre)-06-30HB48**	31 1/8	791	8 3/8	213	16 5/8	422

All dimensions in shaded areas are millimeters unless otherwise specified.

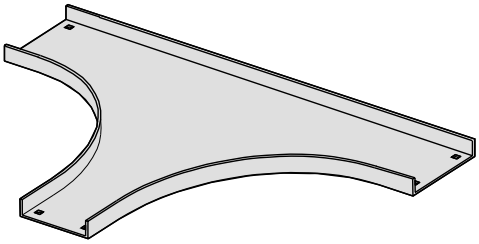
(Pre) See page 39 for catalog number prefix.

Horizontal Tee (HT)

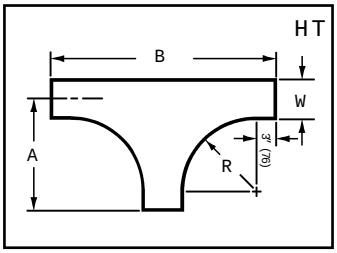
2 splice plates with hardware included.

Bend Radius R		Tray Width		Horizontal Tee Dimensions				
				Catalog No.	A		B	
in.	mm	in.	mm		in.	mm	in.	mm
12	305	3	76	(Pre)-03-HT12	16 1/2	419	33	838
		4	101	(Pre)-04-HT12	17	432	34	864
		6	152	(Pre)-06-HT12	18	457	36	914
24	609	3	76	(Pre)-03-HT24	28 1/2	723	57	1448
		4	101	(Pre)-04-HT24	29	737	58	1473
		6	152	(Pre)-06-HT24	30	762	60	1524
36	915	3	76	(Pre)-03-HT36	40 1/2	1029	81	2057
		4	101	(Pre)-04-HT36	41	1041	82	2083
		6	152	(Pre)-06-HT36	42	1067	84	2134
48	1218	3	76	(Pre)-03-HT48	52 1/2	1334	105	2667
		4	101	(Pre)-04-HT48	53	1346	106	2692
		6	152	(Pre)-06-HT48	54	1372	108	2743

All dimensions in shaded areas are millimeters unless otherwise specified.
(Pre) See page 39 for catalog number prefix.



Horizontal Tee

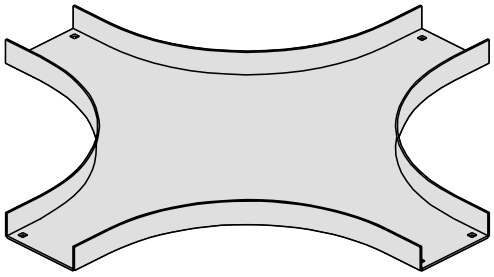


Horizontal Cross (HX)

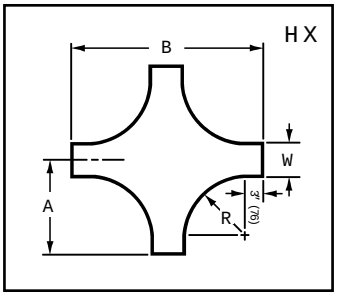
3 splice plates with hardware included.

Bend Radius R		Tray Width		Horizontal Cross Dimensions				
				Catalog No.	A		B	
in.	mm	in.	mm		in.	mm	in.	mm
12	305	3	76	(Pre)-03-HX12	16 1/2	419	33	838
		4	101	(Pre)-04-HX12	17	432	34	864
		6	152	(Pre)-06-HX12	18	457	36	914
24	609	3	76	(Pre)-03-HX24	28 1/2	723	57	1448
		4	101	(Pre)-04-HX24	29	737	58	1473
		6	152	(Pre)-06-HX24	30	762	60	1524
36	915	3	76	(Pre)-03-HX36	40 1/2	1029	81	2057
		4	101	(Pre)-04-HX36	41	1041	82	2083
		6	152	(Pre)-06-HX36	42	1067	84	2134
48	1218	3	76	(Pre)-03-HX48	52 1/2	1334	105	2667
		4	101	(Pre)-04-HX48	53	1346	106	2692
		6	152	(Pre)-06-HX48	54	1372	108	2743

All dimensions in shaded areas are millimeters unless otherwise specified.
(Pre) See page 39 for catalog number prefix.

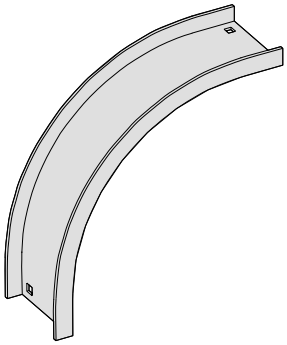


Horizontal Cross

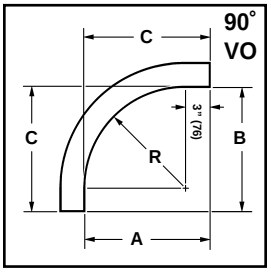


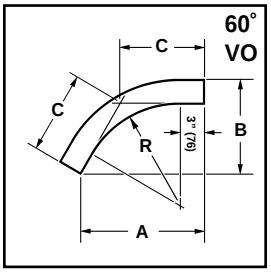
Vertical Outside Bends 90°, 60° (VO)

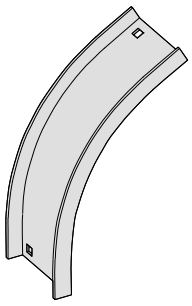
1 splice plate with hardware included.



90° Vertical Outside Bend







60° Vertical Outside Bend

Bend Radius R		Tray Width		90° Vertical Outside Bend Dimensions							
				Catalog No.	A		B		C		
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	
12	305	3	76	(Pre)-03-90VO12	15	381	15	381	15	381	
		4	101	(Pre)-04-90VO12							
		6	152	(Pre)-06-90VO12							
24	609	3	76	(Pre)-03-90VO24	27	686	27	686	27	686	
		4	101	(Pre)-04-90VO24							
		6	152	(Pre)-06-90VO24							
36	915	3	76	(Pre)-03-90VO36	39	991	39	991	39	991	
		4	101	(Pre)-04-90VO36							
		6	152	(Pre)-06-90VO36							
48	1218	3	76	(Pre)-03-90VO48	51	1295	51	1295	51	1295	
		4	101	(Pre)-04-90VO48							
		6	152	(Pre)-06-90VO48							
60° Vertical Outside Bend											
12	305	3	76	(Pre)-03-60VO12	14 7/8	378	8 1/2	216	9 7/8	251	
		4	101	(Pre)-04-60VO12							
		6	152	(Pre)-06-60VO12							
24	609	3	76	(Pre)-03-60VO24	25 3/8	645	14 5/8	372	16 7/8	428	
		4	101	(Pre)-04-60VO24							
		6	152	(Pre)-06-60VO24							
36	915	3	76	(Pre)-03-60VO36	35 5/8	905	20 5/8	524	23 3/4	603	
		4	101	(Pre)-04-60VO36							
		6	152	(Pre)-06-60VO36							
48	1218	3	76	(Pre)-03-60VO48	46 1/8	1172	26 5/8	676	30 3/4	781	
		4	101	(Pre)-04-60VO48							
		6	152	(Pre)-06-60VO48							

All dimensions in shaded areas are millimeters unless otherwise specified.

(Pre) See page 39 for catalog number prefix.

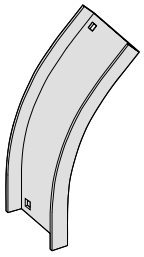
Vertical Outside Bends 45°, 30° (VO)

1 splice plate with hardware included.

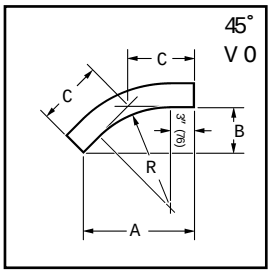
Bend Radius R		Tray Width		45˚ Vertical Outside Bend Dimensions							
				Catalog No.	A		B		C	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm
12	305	3	76	(Pre)-03-45VO12	13 5/8	346	5 5/8	143	8	203
		4	101	(Pre)-04-45VO12						
		6	152	(Pre)-06-45VO12						
24	609	3	76	(Pre)-03-45VO24	22 1/4	565	9 1/4	235	13	330
		4	101	(Pre)-04-45VO24						
		6	152	(Pre)-06-45VO24						
36	915	3	76	(Pre)-03-45VO36	30 1/2	775	12 5/8	321	17 7/8	454
		4	101	(Pre)-04-45VO36						
		6	152	(Pre)-06-45VO36						
48	1218	3	76	(Pre)-03-45VO48	39	991	16 1/8	410	22 7/8	581
		4	101	(Pre)-04-45VO48						
		6	152	(Pre)-06-45VO48						
30˚ Vertical Outside Bend										
12	305	3	76	(Pre)-03-30VO12	11 5/8	296	3 1/8	79	6 1/4	158
		4	101	(Pre)-04-30VO12						
		6	152	(Pre)-06-30VO12						
24	609	3	76	(Pre)-03-30VO24	17 1/2	445	4 7/8	124	9 3/8	238
		4	101	(Pre)-04-30VO24						
		6	152	(Pre)-06-30VO24						
36	915	3	76	(Pre)-03-30VO36	23 1/2	597	6 3/8	162	12 5/8	321
		4	101	(Pre)-04-30VO36						
		6	152	(Pre)-06-30VO36						
48	1218	3	76	(Pre)-03-30VO48	29 5/8	753	8	203	15 7/8	403
		4	101	(Pre)-04-30VO48						
		6	152	(Pre)-06-30VO48						

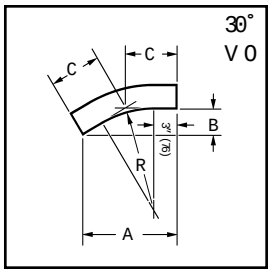
All dimensions in shaded areas are millimeters unless otherwise specified.

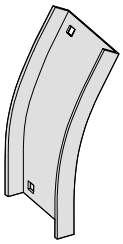
(Pre) See page 39 for catalog number prefix.



45° Vertical Outside Bend



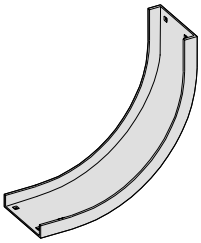




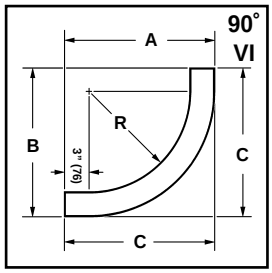
30° Vertical Outside Bend

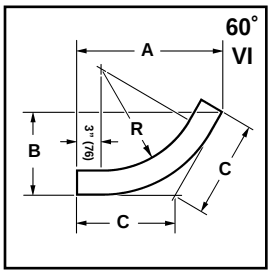
Vertical Inside Bends 90°, 60° (VI)

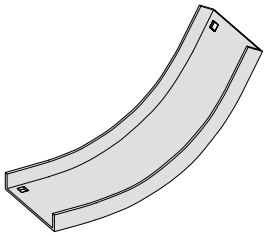
1 splice plate with hardware included.



90° Vertical Inside Bend







60° Vertical Inside Bend

Bend Radius R		Tray Width		90° Vertical Inside Bend Dimensions						
				Catalog No.	A		B		C	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm
12	305	3	76	(Pre)-03-90VI12	16 1/4	413	16 1/4	413	16 1/4	413
		4	101	(Pre)-04-90VI12	16 3/4	425	16 3/4	425	16 3/4	425
		6	152	(Pre)-06-90VI12	16 3/4	425	16 3/4	425	16 3/4	425
24	609	3	76	(Pre)-03-90VI24	28 1/4	718	28 1/4	718	28 1/4	718
		4	101	(Pre)-04-90VI24	28 3/4	730	28 3/4	730	28 3/4	730
		6	152	(Pre)-06-90VI24	28 3/4	730	28 3/4	730	28 3/4	730
36	915	3	76	(Pre)-03-90VI36	40 1/4	1024	40 1/4	1024	40 1/4	1024
		4	101	(Pre)-04-90VI36	40 3/4	1035	40 3/4	1035	40 3/4	1035
		6	152	(Pre)-06-90VI36	40 3/4	1035	40 3/4	1035	40 3/4	1035
48	1218	3	76	(Pre)-03-90VI48	52 1/4	1327	52 1/4	1327	52 1/4	1327
		4	101	(Pre)-04-90VI48	52 3/4	1340	52 3/4	1340	52 3/4	1340
		6	152	(Pre)-06-90VI48	52 3/4	1340	52 3/4	1340	52 3/4	1340
60° Vertical Inside Bend										
12	305	3	76	(Pre)-03-60VI12	16	406	9 1/4	235	10 5/8	270
		4	101	(Pre)-04-60VI12	16 1/2	419	9 1/2	241	11	280
		6	152	(Pre)-06-60VI12	16 1/2	419	9 1/2	241	11	280
24	609	3	76	(Pre)-03-60VI24	26 1/2	673	15 1/4	387	17 5/8	448
		4	101	(Pre)-04-60VI24	26 7/8	683	15 1/2	394	17 7/8	454
		6	152	(Pre)-06-60VI24	26 7/8	683	15 1/2	394	17 7/8	454
36	915	3	76	(Pre)-03-60VI36	36 3/4	933	21 1/4	540	24 1/2	622
		4	101	(Pre)-04-60VI36	37 1/8	943	21 3/8	543	24 3/4	629
		6	152	(Pre)-06-60VI36	37 1/8	943	21 3/8	543	24 3/4	629
48	1218	3	76	(Pre)-03-60VI48	47 1/8	1197	27 1/8	689	31 3/8	797
		4	101	(Pre)-04-60VI48	47 5/8	1210	27 1/2	699	31 3/4	806
		6	152	(Pre)-06-60VI48	47 5/8	1210	27 1/2	699	31 3/4	806

All dimensions in shaded areas are millimeters unless otherwise specified.

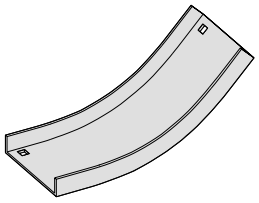
(Pre) See page 39 for catalog number prefix.

Vertical Inside Bends 45°, 30° (VI)

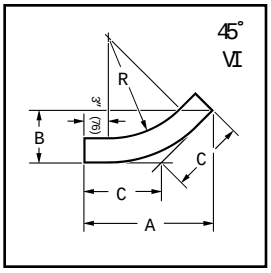
1 splice plate with hardware included.

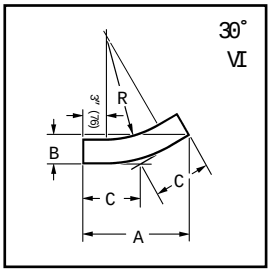
Bend Radius R		Tray Width		45˚ Vertical Inside Bend Dimensions							
				Catalog No.	A		B		C	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm
12	305	3	76	**(Pre)-03-45VI12**	14 1/2	368	6	152	8 1/2	216
		4	101	**(Pre)-04-45VI12**	14 7/8	373	6 1/8	156	8 3/4	222
		6	152	**(Pre)-06-45VI12**	14 7/8	378	6 1/8	156	8 3/4	222
24	609	3	76	**(Pre)-03-45VI24**	23	584	9 1/2	241	13 1/2	343
		4	101	**(Pre)-04-45VI24**	23 1/4	591	9 5/8	245	13 5/8	346
		6	152	**(Pre)-06-45VI24**	23 1/4	591	9 5/8	245	13 5/8	346
36	915	3	76	**(Pre)-03-45VI36**	31 3/8	797	13	330	18 3/8	467
		4	101	**(Pre)-04-45VI36**	31 3/4	806	13 1/8	330	18 5/8	467
		6	152	**(Pre)-06-45VI36**	31 3/4	806	13 1/8	334	18 5/8	473
48	1218	3	76	**(Pre)-03-45VI48**	39 7/8	1013	16 1/2	419	23 3/8	594
		4	101	**(Pre)-04-45VI48**	40 3/8	1026	16 3/4	425	23 5/8	600
		6	152	**(Pre)-06-45VI48**	40 3/8	1026	16 3/4	425	23 5/8	600
30˚ Vertical Inside Bend										
12	305	3	76	**(Pre)-03-30VI12**	12 1/8	308	3 1/8	83	6 1/2	165
		4	101	**(Pre)-04-30VI12**	12 3/8	314	3 3/8	86	6 5/8	163
		6	152	**(Pre)-06-30VI12**	12 3/8	314	3 3/8	86	6 5/8	163
24	609	3	76	**(Pre)-03-30VI24**	18 1/8	461	4 3/4	121	9 3/4	248
		4	101	**(Pre)-04-30VI24**	18 3/8	467	4 7/8	86	9 7/8	163
		6	152	**(Pre)-06-30VI24**	18 3/8	314	4 7/8	86	9 7/8	163
36	415	3	76	**(Pre)-03-30VI36**	24 1/4	616	6 1/2	165	13	330
		4	101	**(Pre)-04-30VI36**	24 1/2	622	6 5/8	168	13 1/8	334
		6	152	**(Pre)-06-30VI36**	24 1/2	622	6 5/8	168	13 1/8	334
48	1218	3	76	**(Pre)-03-30VI48**	30 3/8	772	8 1/8	207	16 1/4	413
		4	101	**(Pre)-04-30VI48**	30 5/8	778	8 1/4	210	16 3/8	416
		6	152	**(Pre)-06-30VI48**	30 5/8	778	8 1/4	210	16 3/8	416

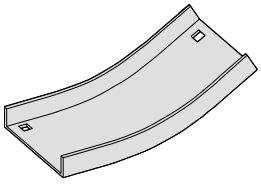
All dimensions in shaded areas are millimeters unless otherwise specified.
(Pre) See page 39 for catalog number prefix.



45° Vertical Inside Bend







30° Vertical Inside Bend

Section 1- Acceptable Manufacturers

1.01 Manufacturer: Subject to compliance with these specifications, channel cable tray systems shall be as manufactured by B-Line Systems, Inc.

Section 2- Selection and Components

2.01 General: Except as otherwise indicated, provide ventilated metal channel cable trays, of types, classes and sizes indicated with splice connectors, fittings and all other necessary accessories for a complete system. Provide channel cable tray with rounded edges and smooth surfaces in compliance with applicable standards, and with the following additional requirements.

2.02 Materials and finishes: Material and finishes specifications for each channel cable tray are as follows:

1. Aluminum: Extruded components shall be made from Aluminum Association Alloy 6063. All fabricated parts shall be made from Aluminum Association Alloy 5052.

2. Pre-Galvanized Steel: Straight sections and fittings shall be made from structural quality mill galvanized 14 gauge steel meeting the properties of ASTM A653SS, coating designation G90.

3. Hot Dip Galvanized Steel: Straight sections and fittings shall be made from 14 gauge structural quality steel meeting the minimum mechanical properties of ASTM A570, Grade 33 and shall be hot-dip galvanized after fabrication in accordance with ASTM A123. All hot dip galvanized after fabrication cable trays must be returned to point of manufacture after coating for inspection, conditioning and labeling.

4. Stainless Steel: Straight sections and fittings shall be AISI Type [304] [316].

2.03 Channel cable tray straight sections shall be constructed with ventilated flat bottom. Ventilated bottom shall be perforated with 2.25” diameter holes and have slots to facilitate the use of cable ties to secure the cables.

2.04 Straight sections shall be supplied in standard [12 foot] [10 foot (3m)] lengths, except where shorter lengths are permitted to facilitate tray assembly as shown on drawings.

2.05 Ventilated straight sections shall have splice holes every 12 inches to simplify field modifications.

2.06 Channel cable tray width shall be [3] [4] [6] inches with a minimum loading depth of 1-1/4”.

2.07 Fittings will have a minimum radius of [12] [24] [36] [48] inches.

2.08 Splice plates and hardware shall be included with each straight section and fitting.

Series 1 Aluminum-Straight Sections

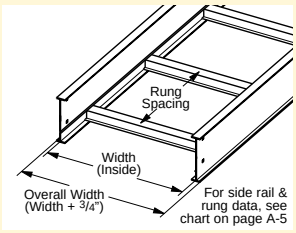
3" NEMA VE-1 Loading Depth

Straight Section Part Numbering

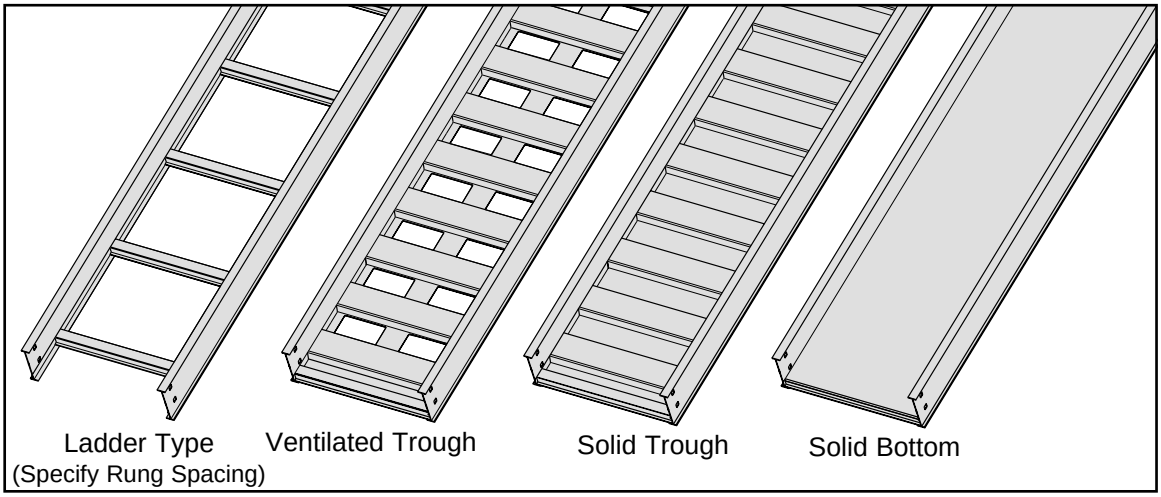
Prefix

Example: 14 A 09 - 24 - 144

Series	Material	Type	Width	Length
14 M14	A = Aluminum	**Ladder-** 06 = 6" rung spacing 09 = 9" rung spacing 12 = 12" rung spacing **Trough-** 6" thru 24" wide VT = Vented Trough ST = Solid Trough 30" & 36" wide 04 = Vented Bottom (4" rung spacing) SB* = Solid Bottom	06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	144 = 12 ft. 120 = 10 ft.



*SB available for all widths



Values are based on simple beam tests per NEMA VE-1 on 36" wide cable tray with rungs spaced on 12" centers. The published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. The cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

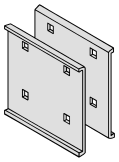
B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
14	.75 3.88 3.00	NEMA: 8B	6	135	0.0020	Area=0.72 in^2	1.8	201	0.0341	Area=4.65 cm^2
		CSA: N/A	8	76	0.0063	Sx=0.76 in^3	2.4	113	0.1077	Sx=12.46 cm^3
		UL Cross-Sectional	10	44	0.015	Ix=1.46 in^4	3.0	65	0.263	Ix=60.78 cm^4
		Area: 0.60 in^2	12	27	0.032		3.7	40	0.545	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
M14	.75 3.95 3.08	NEMA: 12A, 8C	6	200*	0.0015	Area=0.86 in^2	1.8	298*	0.0254	Area=5.55 cm^2
		CSA: C1-3m	8	113	0.0047	Sx=0.93 in^3	2.4	167	0.0802	Sx=15.24 cm^3
		UL Cross-Sectional	10	72	0.011	Ix=1.96 in^4	3.0	107	0.196	Ix=81.59 cm^4
		Area: 0.60 in^2	12	50	0.024		3.7	74	0.406	

*When using 12" rung spacing, load capacity is limited to 175 lbs/ft (260 kg/m) for 36" cable tray width. When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Wedge Lock Splice Plates

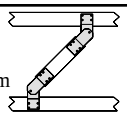
- Standard 4-hole pattern.
- One pair including hardware provided with each section.
- Furnished in pairs with hardware.
- Prepackaged in pairs in a plastic bag, with hardware.



Catalog No.	Height in.	Height mm
9A-0004	4	101

Branch Pivot Connectors

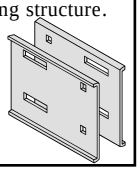
- Branch from existing cable tray runs at any point.
- Can be used with vertical adjustable splice plates to form vertical tees or wyes.
- Pivot to any required angle.
- UL Classified for grounding (bonding jumper not required).
- Furnished in pairs with hardware.



Catalog No.	Height in.	Height mm
9A-0224	4	101

Wedge Lock Expansion Splice Plates

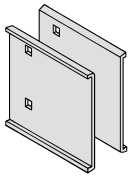
- Expansion plates allows for one inch expansion or contraction of the cable tray, or where expansion joints occur in the supporting structure.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required. Order Separately.**



Catalog No.	Height in.	Height mm
9A-0014	4	101

Universal Wedge Lock Splice Plates

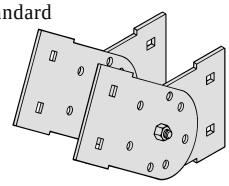
- Used to splice to existing cable tray systems.
- Furnished in pairs with hardware.



Catalog No.	Height in.	Height mm
9A-0004-1/2	4	101

Vertical Adjustable Splice Plates

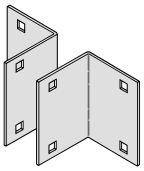
- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.



Catalog No.	Height in.	Height mm
9A-0024	4	101

Tray to Box Splice Plates

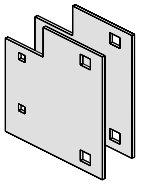
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.



Catalog No.	Height in.	Height mm
9A-0054	4	101

Step Down Splice

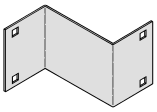
- These splice plates are offered for connecting cable tray sections having siderails of different heights.
- Furnished in pairs with hardware.



Cat. No.	Tray 1	Tray 2 in.	Tray 2 mm
9A-1144	Series 1 Alum. (14 or M14)	4	101
9A-1145		5	127
9A-1146		6	152
9A-1147		7	178

Offset Reducing Splice Plate

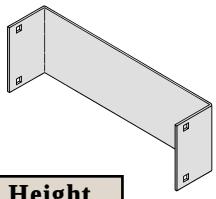
- This plate is used for joining cable trays having different widths. When used in pairs they form a straight reduction; when used singly with a standard splice plate they form an offset reduction.
- Furnished as one plate with hardware.
- R = reduction



Catalog No.	Height in.	Height mm
9A-0064-R	4	101

Blind End Plate

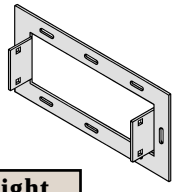
- This plate forms a closure for a dead end cable tray.
- Furnished as one plate with hardware.
- W = tray width



Catalog No.	Height in.	Height mm
9A-0084-W	4	101

Frame Type Box Connector

- Designed to attach the end of a cable tray run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with tray connection hardware.
- W = tray width

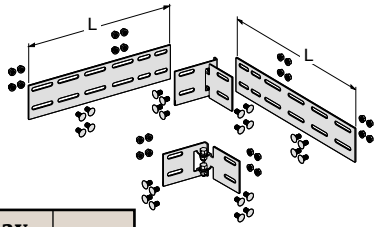


Catalog No.	Height in.	Height mm
9A-0074-W	4	101

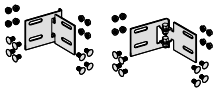
Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.

9A-0034-12 or 9A-0034-36
One pair splice plates with extensions.

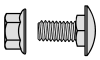


9A-0034
Splices only



Catalog No.	Height in.	Height mm	Cable Tray End Cut	Tray Width	'L'
9A-0034	4	101	Mitered	Thru 36"	N/A
9A-0034-12			Not mitered	Thru 12"	16"
9A-0034-36			Not mitered	Thru 36"	41"

Tray Hardware



Standard: Zinc Plated

- **Catalog No. SNCB 1/4 x 1/2 ZNPLT**
  Square Neck Carriage Bolt ASTM A307 Grade A
- **Catalog No. SFHN 1/4 ZNPLT**
  Serrated Flange Lock Nut ASTM A563 Grade A

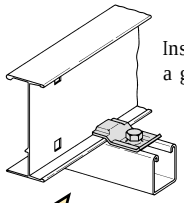
Optional: 316 Stainless Steel

- **Catalog No. SNCB 1/4 x 3/4 SS6**
  Square Neck Carriage Bolt AISI Type 316
- **Catalog No. SFHN 1/4 SS6**
  Serrated Flange Lock Nut AISI Type 316
- To order add SS6 suffix to part number

Series 1 Aluminum-Accessories

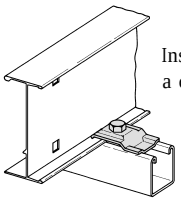
Cable Tray Clamp/Guide

- Features a no-twist design.
- Has four times the strength of the traditional design.
- Each side is labeled to ensure proper installation.
- Designed for 3/8" hardware.
- Furnished in pairs with or without hardware.



Installed as a guide

Patent # RE35479



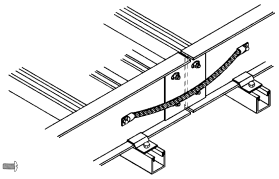
Installed as a clamp

Catalog No.
9ZN-1208 (without hardware)
9ZN-1208NB (with hardware)

Bonding Jumper

Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground. Sold individually.

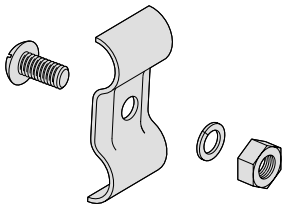
- Hardware included.
- See table 318-7(b) (2) on page 15 for amperage ratings required to match the UL cross-sectional area of the tray.
- See tray loading chart for UL cross-sectional area.



Catalog No.	Ampacity
99-N1	600
99-40	1600

Grounding Clamps

- Mechanically attaches grounding cables to cable tray.
- Hardware included.
- (*) Insert ZN or SS4

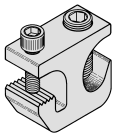


Catalog No.	Cable Size
9(*)-2351	#1 thru 2/0
9(*)-2352	3/0 thru 250 MCM

Grounding Clamps

B-Line Cable Tray is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor for additional grounding capability is desired, B-Line offers this clamp for bolting the conductor at least once to each tray section.

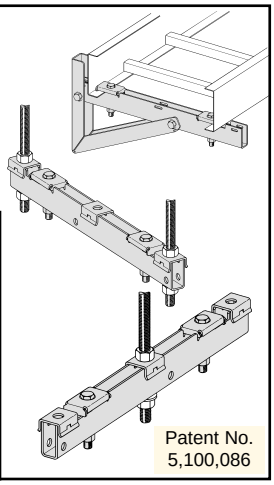
- Accepts #6 AWG to 250 MCM.



Catalog No.	Material	Item
9A-2130	Tin Plated Aluminum	Grounding Clamp

Support Bracket

- Designed for center hung or trapeze supports.
- Can be purchased as a wall mounted bracket.
- Load capacity is 600 lbs. (2.67kN), safety factor 3.
- All components are zinc plated.
- 1/2" threaded rod and 1/2" hex nuts not included.

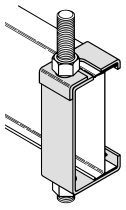


Patent No. 5,100,086

Catalog No.		For Tray Width	
Center Hung or Trapeze	Wall Mount	in.	mm
9ZN-5106	9ZN-5106-WB	6	152
9ZN-5109	9ZN-5109-WB	9	226
9ZN-5112	9ZN-5112-WB	12	305
9ZN-5118	9ZN-5118-WB	18	452
9ZN-5124	9ZN-5124-WB	24	609

Hanger Rod Clamp

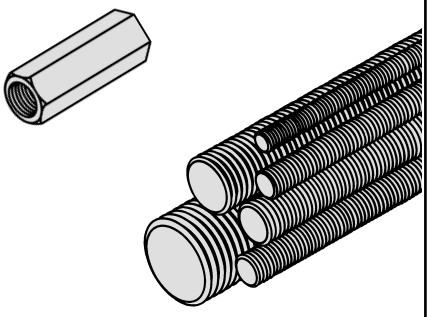
- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two piece "J"-hanger design.
- 275 lbs. /pair capacity safety factor 3.



Catalog No.	9ZN-1213

Threaded Rod (ATR) & Rod Couplings

Size	Loading lbs	Catalog No.	Available Lengths	Coupling Cat. No.
3/8-16	610	ATR 3/8 x Length	36", 72", 120", 144"	B655-3/8
1/2-13	1130	ATR 1/2 x Length	36", 72", 120", 144"	B655-1/2



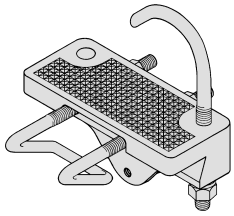
Loading based on safety factor 5.

Standard Finish: Zinc plated

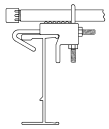
See B-Line Strut Systems Catalog for other sizes and finishes

Conduit to Cable Tray Adapters

- For easy attachment of conduit that terminates at a cable tray.
- Use on aluminum or steel cable trays.
- (*) Insert ZN or G



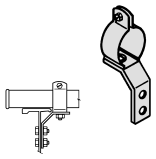
Catalog No.	Conduit Size in.	Conduit Size mm
9(*)-1158-1/2, 3/4	1/2, 3/4	15, 20
9(*)-1158-1, 1 1/4	1, 1 1/4	25, 32
9(*)-1158-1 1/2, 2	1 1/2, 2	40, 50
9(*)-1158-2 1/2, 3	2 1/2, 3	65, 80
9(*)-1158-3 1/2, 4	3 1/2, 4	90, 100



Aluminum I-Beam

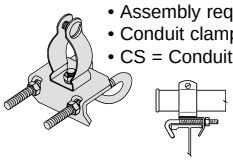
Conduit to Cable Tray Adapters

- Assembly required.
- Mounting hardware included.
- Conduit clamps provided.
- CS = Conduit size.



Catalog No.	9ZN-1150-CS

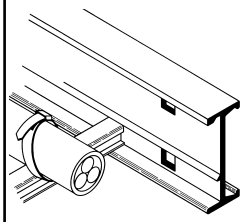
- Assembly required.
- Conduit clamp included.
- CS = Conduit size.



Catalog No.	9ZN-1155-CS

Cable Ties (Ladder Tray)

Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. is 3" (76mm).

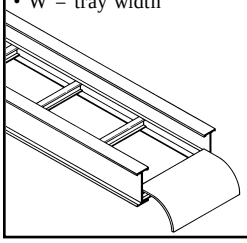


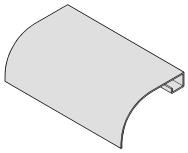
Overall Length 15"

Catalog No.	99-2125

Ladder Drop-out

- Specially-designed Ladder Drop-Outs provide a rounded surface with 4" (101mm) radius to protect cable as it exits from the cable tray, preventing damage to insulation. The drop-out will attach to any desired rung.
- W = tray width

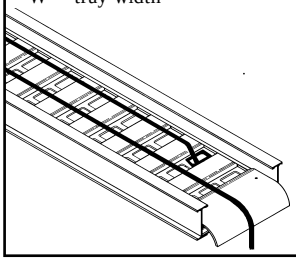


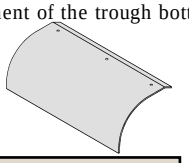


Catalog No.	9A-1103-W

Trough Drop-Out & Drop-Out Bushing

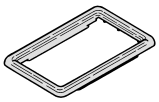
- These devices provide a rounded surface to protect cable as it exits from the trough-type tray.
- Hardware is included for attachment of the trough bottom drop-out.
- W = tray width





Catalog No.	9A-1104T-W

Aluminum Trough-Type Drop-Out

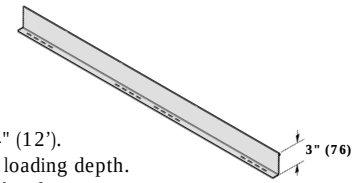


Catalog No.	99-1124

Snap-In Plastic Bushing

Barriers

Straight Section

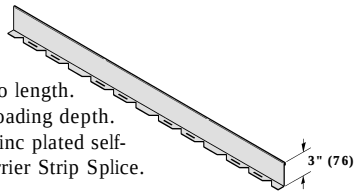


- Standard length: 120" (3m) 144" (12').
- Order catalog number based on loading depth.
- Furnished with four #10 x 1/2" plated self-drilling screws and a 99-9982 splice.

Catalog No.	Length
73A-144	144"
73A-120	120"

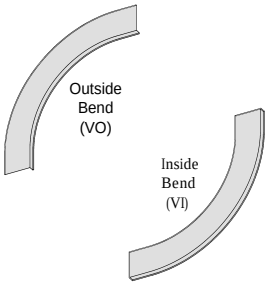
Horizontal Bend

- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Cut to length.
- Order catalog number based on loading depth.
- Furnished with three #10 x 1/2" zinc plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- Standard length is 72" (6ft.), sold individually.



Catalog No.	73A-90HBFL

Vertical Bend Barriers

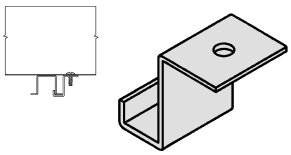


- Vertical Bend Barriers are preformed to conform to a specific vertical fitting.
- Furnished with three #10 x 1/2" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24 or 36 for radius

Catalog No.	73A-(*)VI(†)
	73A-(*)VO(†)

Barrier Strip Clip

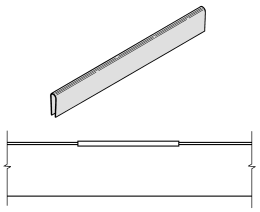
- Zinc plated steel Barrier Strip Clip fastens to ladder rung.
- Furnished with one #10 zinc plated self-drilling screw.



Cat. No.	9ZN-9000

Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.

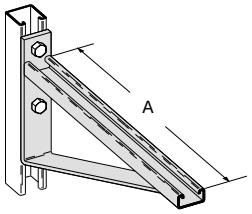


Cat. No.	99-9982

All dimensions in parenthesis are millimeters unless otherwise specified.

Series 1 Aluminum-Accessories

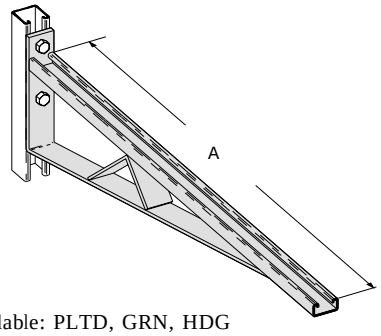
Cantilever Brackets



Finishes available: PLTD, GRN, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-12	1580	7.02	6 & 9	152 & 229	12	305
B494-18	830	3.69	12	305	18	457
B494-24	830	3.69	18	457	24	610

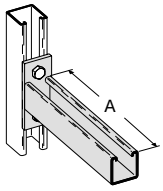
Cantilever Brackets



Finishes available: PLTD, GRN, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-30	750	3.33	24	610	30	762
B494-36	665	2.95	30	762	36	914
B494-42	580	2.58	36	914	42	1067

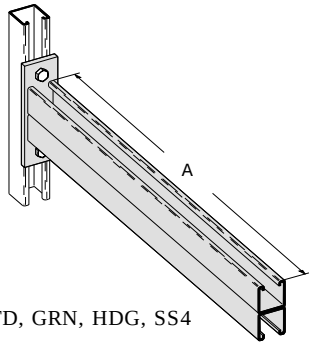
Cantilever Brackets



Finishes available: PLTD, GRN, HDG, SS4, SS6

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409-12	800	3.55	6 & 9	152 & 229	12	305
B409-18	530	2.35	12	305	18	457
B409-24	400	1.78	18	457	24	610

Cantilever Brackets



Finishes available: PLTD, GRN, HDG, SS4

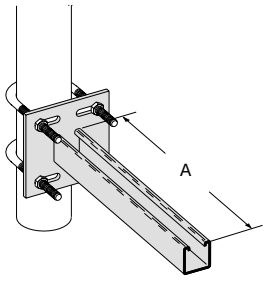
Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B297-30	665	2.95	24	610	30	762
B297-36	550	2.44	30	762	36	914
B297-42	465	2.06	36	914	42	1067

Underfloor Support

Works with U-Bolts - not included

U-Bolt Size	Fits Pipe O.D.
B501-3/4	.841 - 1.050
B501-1	1.051 - 1.315
B501-1 1/4	1.316 - 1.660
B501-1 1/2	1.661 - 1.900
B501-2	1.901 - 2.375
B501-2 1/2	2.376 - 2.875

- Order properly sized U-Bolts separately.



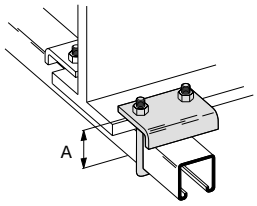
Finish available: PLTD

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409UF-12	800	3.55	6 & 9	152 & 229	12	305
B409UF-18	530	2.35	12	305	18	457
B409UF-24	400	1.78	18	457	24	610

Beam Clamp

- Finishes available: PLTD, HDG, SS4
- Sold by pieces.

* When used in pairs.

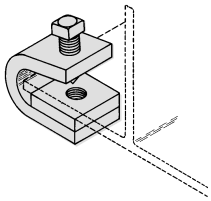


Catalog No.	Design Load* lbs	Design Load* kN	'A' in.	'A' mm
B441-22	1060	4.71	3 3/8	86
B441-22A	1060	4.71	5	127

Safety Factor of 3.0 on all loads

Beam Clamp

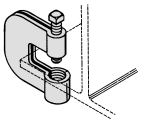
- Finishes available: ZN, GRN, HDG
- Setscrew included.



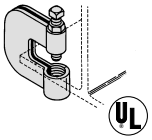
Cat. No.	B210		B210A	
Design Load *	1330 lbs.	5.91 kN	500 lbs.	2.22 kN
Tap Size	1/2"-13	-	3/8"-16	-
Mat'l. Thickness	3/8"	9.5 mm	1/4"	6.4 mm

Steel C-Clamp

- Finishes available: ZN, SS4



• B351 without Locknut



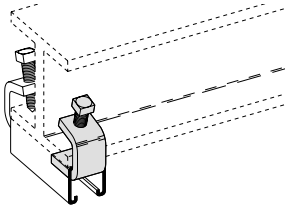
• B351L with Locknut

Catalog Number	Rod Size	Design Load lbs	kN
B351-3/8	3/8"-16	615	2.74
B351-1/2	1/2"-13	615	2.74
B351-5/8	5/8"-11	1290	5.74
B351-3/4	3/4"-10	1440	6.41

Beam Clamp

- Finishes available: ZN, GRN, HDG
- Sold in pieces.

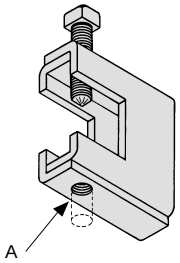
* When used in pairs.

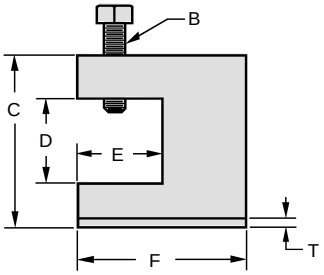


Cat. No.	B212-1/4		B212-3/8	
Design Load *	1000 lbs.	4.45 kN	1665 lbs.	7.39 kN
Max. Flange Thick	3/4"	19.1 mm	11/8"	28.6 mm
Mat'l. Thickness	1/4"	6.4 mm	3/8"	9.5 mm

B305 thru B308 & B321 Series Beam Clamps

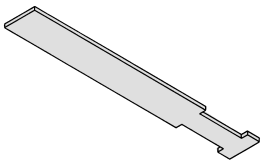
- Finishes available: ZN, HDG
- Setscrew included.





Cat. No.	Rod Size A	B	C	D	E	F	T	Design Load lbs	kN
B305	3/8"-16	3/8"-16	2 5/16"	7/8"	1 1/8"	2 1/2"	11 Ga.	1000	4.45
B306	3/8"-16	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1830	8.14
B307	1/2"-13	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1830	8.14
B308	1/2"-13	1/2"-13	2 9/16"	7/8"	1 1/8"	2 1/2"	1/4"	2500	11.12
B321-1	3/8"-16	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	2165	9.63
B321-2	1/2"-13	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	2330	10.36

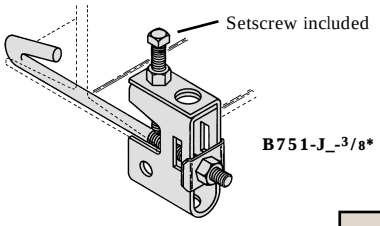
B312 Anchor Strap



- Finishes available: ZN, HDG
- For a maximum beam thickness of 3/4".
- For thicker beams, step up one flange width size.

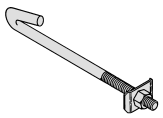
Cat. No.	Flange Width
B312-6	Up to 6"
B312-9	6" - 9"
B312-12	9" - 12"

B751 Bottom Beam Clamp and Accessories



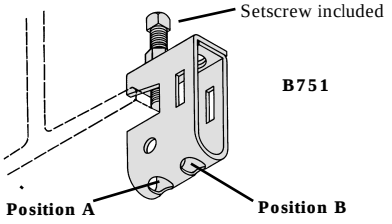
B751-J_-3/8*

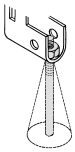
Finish available: ZN



B701-J_-3/8

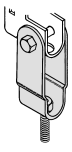
Loading position A - 830 lbs.
Loading position B - 500 lbs.





B753

Provides a full 15° swivel in any direction. (State the desired rod size.)



B752

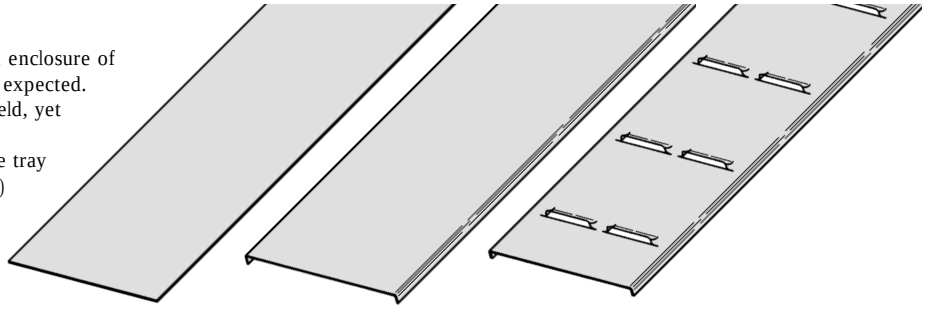
Assembly No.	B751	B701J_	B752	B753
To Fit Flange Sizes	Clamp,Setscrew & J-Hook	J-Hook,Clip & Square Nut	Swivel & Bolt Only	Swivel Nut Only
4"-5 7/8"	B751-J4-3/8*	B701-J4-3/8	B752	B753-**
6"-8 7/8"	B751-J6-3/8*	B701-J6-3/8	B752	B753-**
9"-11 7/8"	B751-J9-3/8*	B701-J9-3/8	B752	B753-**

* Clamp Assembly complete with J-Hook Assembly. Setscrew included.
** Insert 1/4, 3/8 or 1/2 for the desired rod size.

Safety Factor of 5.0 on all loads

Covers

Solid covers should be used when the maximum enclosure of cables is desired and no accumulation of heat is expected. Ventilated covers provide an overhead cable shield, yet allow heat to escape.
B-Line recommends that covers on vertical cable tray runs to a height of 6 ft. (1.83m) to 8 ft. (2.44m) above the floor, to isolate both cables and personnel. Flanged covers have a 1/2 in. (13mm) flange. Cover clamps are not included with the cover and must be ordered separately.



Solid Non-Flanged | Solid Flanged | Ventilated Flanged

Cover Part Numbering

Prefix

Example: 80 1 A - 40 - 24 - 144

Cover Type	Detail	Material	Material Thickness	Tray Width	Item Description
80 = Solid	1 = Flanged	A = Aluminum	40 = .040 Aluminum	06 = 6”	For Straight Section Cover:
81 = Ventilated	9 = Non-Flanged			09 = 9”	144 = 12 ft. (3.66m)
				12 = 12”	120 = 10 ft. (3.05m)
				18 = 18”	72 = 6 ft. (1.83m)
				24 = 24”	60 = 5 ft. (1.52m)
				30 = 30”	For fitting covers: Insert suffix
				36 = 36”	of fitting to be covered.
					See example below.

Examples of Catalog Numbers for Fitting Covers:

Horizontal Bend Cover

Prefix / Suffix

80 1 A 40 - 24 - 90 HB 24

- Radius
- Fitting
- Angle
- Width
- Material Thickness
- Material
- Detail
- Cover Type

Vertical Bend Cover

Prefix / Suffix

80 1 A 40 - 24 - 90 VO 24 - 4*

- Siderail Height
- Radius
- Fitting
- Angle
- Width
- Material Thickness
- Material
- Detail
- Cover Type

*Required for VO fittings only.

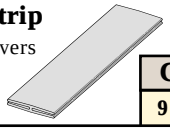
Quantity of Standard Cover Clamps Required

Straight Section 60” or 72”	4 pcs.
Straight Section 120” or 144”	6 pcs.
Horizontal/Vertical Bends	4 pcs.
Tees	6 pcs.
Crosses	8 pcs.

Note: When using the Heavy Duty Cover Clamp, only one-half the number of clamps stated above is required.

Cover Joint Strip

Strip used to join covers
- Plastic
- W = tray width



Cat. No.
99-9980-W

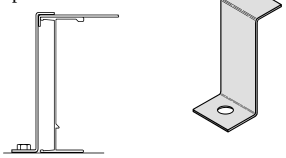
Standard Cover Clamp

- For indoor service only.
- Zinc plated steel.
- Setscrew included.
- Sold per piece.

Catalog No.	9ZN-9011

Combination Cover & Hold Down Clamp

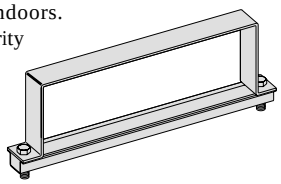
- Pre-Galvanized steel
- Sold per piece.



Catalog No.	9P-9143

Heavy Duty Cover Clamp

- For outdoor use.
- Optional indoors.
- Adds security and safety.
- Aluminum
- W = tray width



Tray Depth	Catalog No.
4”	9A-W-9041

Section 1- Acceptable Manufacturers

1.01 Manufacturer: Subject to compliance with these specifications, cable tray systems shall be as manufactured by B-Line Systems, Inc.

Section 2- Cable Tray Sections and Components

2.01 General: Except as otherwise indicated, provide metal cable trays, of types, classes and sizes indicated; with splice plates, bolts, nuts and washers for connecting units. Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features. Cable tray shall be installed according to the latest revision of NEMA VE-2.

2.02 Materials and Finish: Straight section and fitting side rails and rungs shall be extruded from Aluminum Association Alloy 6063. All fabricated parts shall be made from Aluminum Association Alloy 5052.

2.03 Ladder Cable Trays shall consist of two longitudinal members (side rails) with transverse members (rungs) welded to the side rails. Rungs shall be spaced [6] [9] [12] inches on center. Rung spacing in radiused fittings shall be industry standard 9" and measured at the center of the tray's width. No portion of the rungs shall protrude below the bottom plane of the side rails.

2.04 Ventilated Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or rungs spaced 4" on center. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers. To provide ventilation in the tray, the valleys of the corrugated bottom shall have 2-1/4" x 4" rectangular holes punched along the width of the bottom.

2.05 Solid Bottom Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or a solid sheet over rungs. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers.

2.06 Cable tray loading depth shall be 3 inches per NEMA VE-1.

2.07 Straight sections shall have siderails fabricated as I-beams. Straight sections shall be supplied in standard [12 foot] [10 foot (3m)] lengths.

2.08 Cable tray widths shall be [6] [9] [12] [18] [24] [30] [36] inches or as shown on drawings.

2.09 Splice plates shall be the Wedge-Lock design with 4 nuts and bolts per plate. The resistance of fixed splice connections between an adjacent section of tray shall not exceed 0.00033 ohm.

2.10 All fittings must have a minimum radius of [12] [24] inches.

Section 3- Loading Capacities and Testing

3.01 Cable tray shall be capable of carrying a uniformly distributed load of _____ lbs./ft. on a _____ ft. support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE1-5.2. Cable tray shall be made to manufacturing tolerances as specified by NEMA.

3.02 Upon request, manufacturer shall provide test reports in accordance with the latest revision of NEMA VE-1 or CSA C22.2 No. 126.

Series 1 Steel-Straight Sections

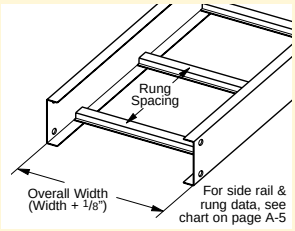
3” NEMA VE-1 Loading Depth

Straight Section Part Numbering

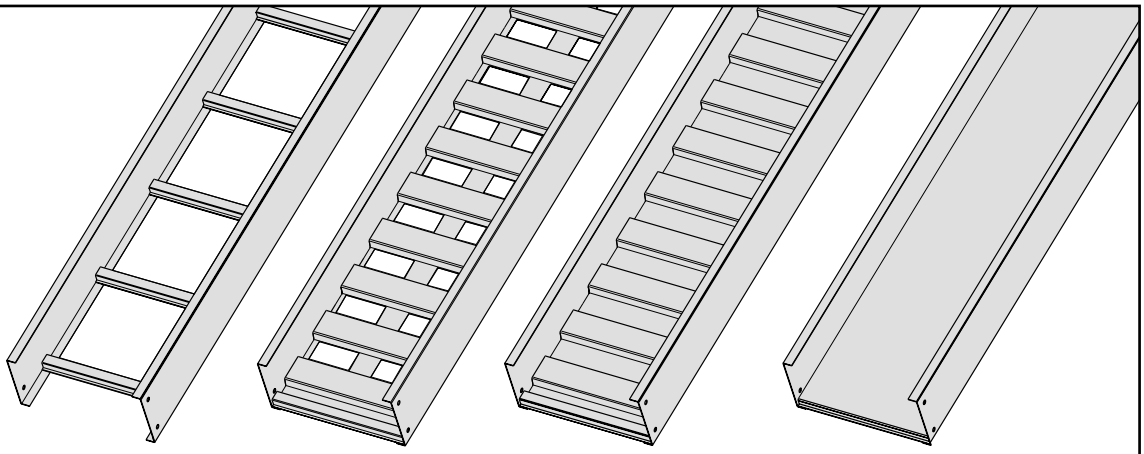
Prefix

Example: 148 P 09 - 24 - 144

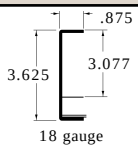
Series	Material	Type	Width	Length
148	P = Pre-Galvanized Steel G = Hot Dip Galvanized After Fabrication Steel	**Ladder-** 06 = 6” rung spacing 09 = 9” rung spacing 12 = 12” rung spacing **Trough-** 6” thru 24” wide VT = Vented Trough ST = Solid Trough 30” & 36” wide 04 = Vented Bottom SB* = Solid Bottom	06 = 6” 09 = 9” 12 = 12” 18 = 18” 24 = 24” 30 = 30” 36 = 36”	144 = 12 ft. 120 = 10 ft.



*SB available for all widths



Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. The published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
148		NEMA: 12A, 8C CSA: C1-3m UL Cross-Sectional Area: 0.40 in²	6 8 10 12	204* 115 73 51	0.0013 0.0039 0.0095 0.019	Area=0.51 in² Sx=0.48 in³ Ix=0.89 in⁴	1.8 2.4 3.0 3.6	304* 171 109 76	0.0222 0.0665 0.1621 0.324	Area=3.29 cm² Sx=7.95 cm³ Ix=3.05 cm⁴

*When using 12” rung spacing load capacity is limited to 195 lbs/ft (290 kg/m) for 36” tray width. When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

4" NEMA VE-1 Loading Depth

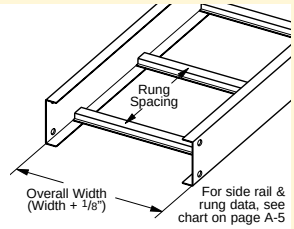
Actual Loading Depth = 3.628"

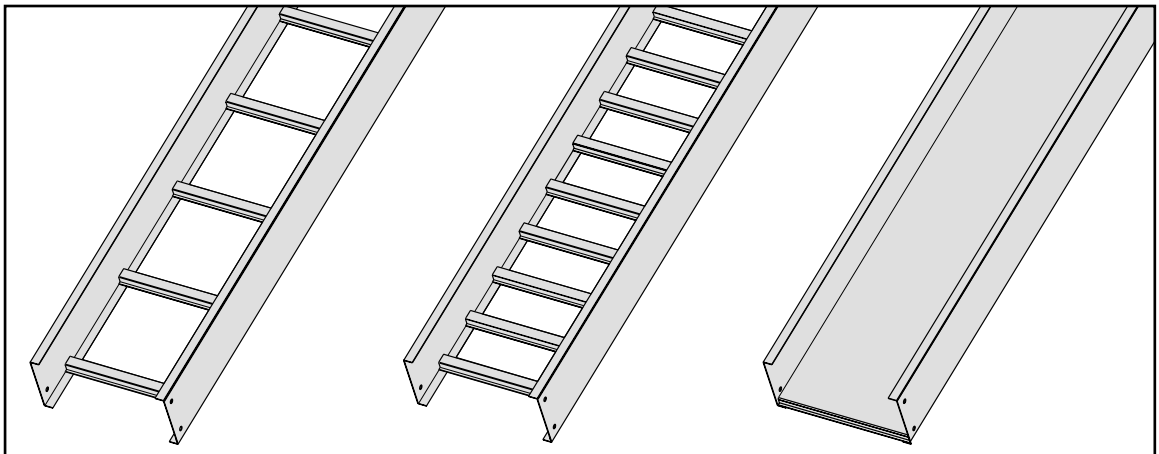
Straight Section Part Numbering

Prefix

Example: 156 P 09 - 24 - 144

Series	Material	Type	Width	Length
156	P = Pre-Galvanized Steel	**Ladder-**	06 = 6"	144 = 12 ft.
	G = Hot Dip Galvanized After Fabrication Steel	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
		09 = 9" rung spacing	12 = 12"	
		12 = 12" rung spacing	18 = 18"	
			24 = 24"	
		Trough-	30 = 30"	
		04 = Vented Bottom	36 = 36"	
		SB = Solid Bottom		





Ladder Type (Specify Rung Spacing) | Ventilated Bottom | Solid Bottom

Values are based on simple beam tests per NEMA VE-1 on 36" wide cable tray with rungs spaced on 12" centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above the published loads. The published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
156	.875 / 4.188 / 3.628 / 16 gauge	NEMA: 12B, 8C	6	304*	0.0007	Area=0.68 in^2	1.8	452*	0.0119	Area=4.38 cm^2
		CSA: C1-3m	8	171	0.0021	Sx=0.724 in^3	2.4	254	0.0358	Sx=11.87 cm^3
		UL Cross-Sectional	10	109	0.0051	Ix=1.517 in^4	3.0	163	0.0870	Ix=63.14 cm^4
		Area: 0.40 in^2	12	76	0.011		3.7	113	0.181	

*When using 12" rung spacing, load capacity is limited to 234 lbs/ft (348 kg/m) for 30" tray width and 195 lbs/ft (290 kg/m) for 36" tray width. When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 1 Steel-Straight Sections

5” NEMA VE-1 Loading Depth

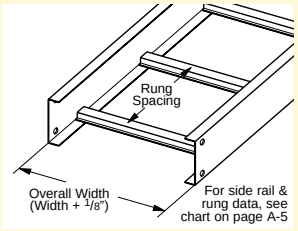
Actual Loading Depth = 4.628”

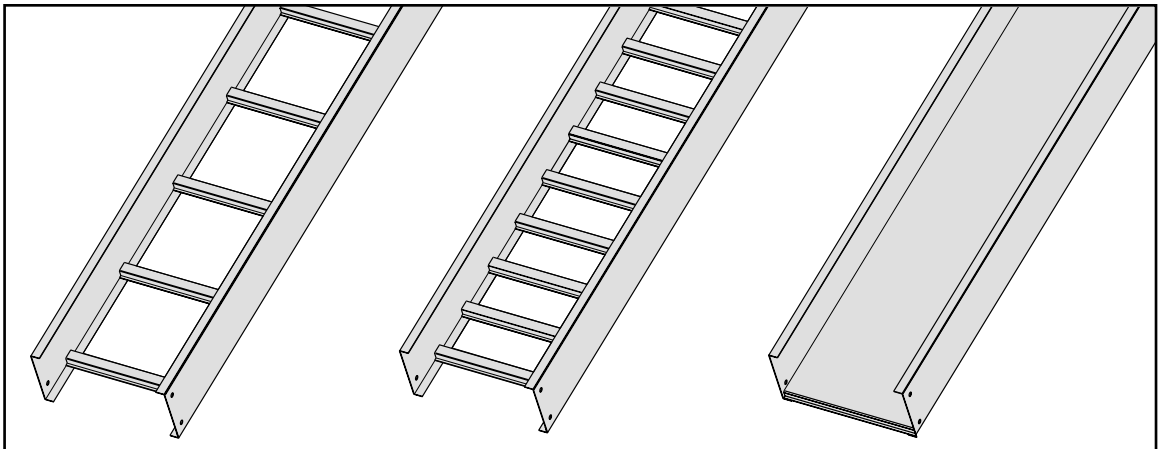
Straight Section Part Numbering

Prefix

Example: 166 P 09 - 24 - 144

Series	Material	Type	Width	Length
166	P = Pre-Galvanized Steel	**Ladder-**	06 = 6”	144 = 12 ft.
	G = Hot Dip Galvanized After Fabrication Steel	06 = 6” rung spacing	09 = 9”	120 = 10 ft.
		09 = 9” rung spacing	12 = 12”	
		12 = 12” rung spacing	18 = 18”	
			24 = 24”	
		Trough-	30 = 30”	
		04 = Vented Bottom	36 = 36”	
		SB = Solid Bottom		





Ladder Type (Specify Rung Spacing) | Ventilated Bottom | Solid Bottom

Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. The published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
166	.750 / 4.628 / 5.188 / 16 gauge	NEMA: 12B, 8C	6	308*	0.0004	Area=0.77 in^2	1.83	458*	0.0068	Area=4.968 cm^2
		CSA: C1-3m	8	173	0.0013	Sx=0.93 in^3	2.44	258	0.0222	Sx=15.19 cm^3
		UL Cross-Sectional	10	111	0.0032	Ix=2.40 in^4	3.05	165	0.0546	Ix=100.10 cm^4
		Area: 0.70 in^2	12	77	0.0067		3.66	115	0.1143	

*When using 12” rung spacing, the load capacity is limited to 234 lbs/ft (348 kg/m) for 30” tray width and 195 lbs/ft (290 kg/m) for 36” tray width. When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

6” NEMA VE-1 Loading Depth

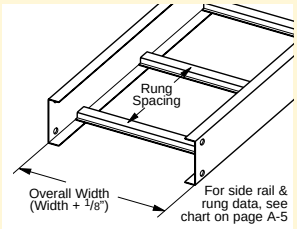
Actual Loading Depth = 5.628”

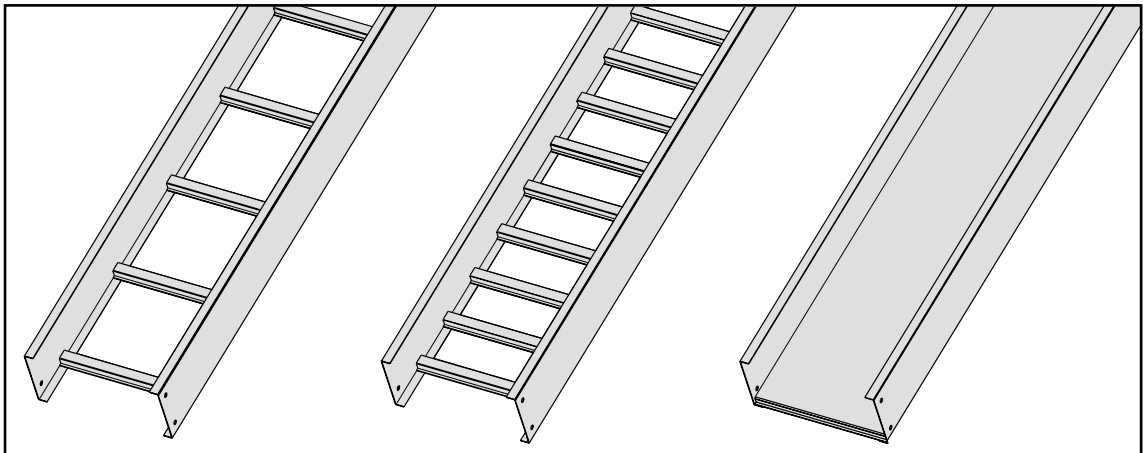
Straight Section Part Numbering

Prefix

Example: 176 P 09 - 24 - 144

Series	Material	Type	Width	Length
176	P = Pre-Galvanized Steel	**Ladder-**	06 = 6”	144 = 12 ft.
	G = Hot Dip Galvanized After Fabrication Steel	06 = 6” rung spacing	09 = 9”	120 = 10 ft.
		09 = 9” rung spacing	12 = 12”	
		12 = 12” rung spacing	18 = 18”	
			24 = 24”	
		Trough-	30 = 30”	
		04 = Vented Bottom	36 = 36”	
		SB = Solid Bottom		





Ladder Type (Specify Rung Spacing) | Ventilated Bottom | Solid Bottom

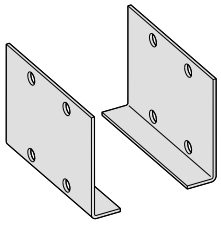
Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. The published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
176	.750 / 5.628 / 6.188 / 16 gauge	NEMA: 12B, 8C	8	194	0.0008	Area=0.89 in^2	2.44	288	0.0136	Area=5.74 cm^2
		CSA: N/A	10	124	0.0020	Sx=1.23 in^3	3.05	184	0.0341	Sx=20.15 cm^3
		UL Cross-Sectional Area: 0.70 in^2	12	86	0.0042	Ix=3.80 in^4	3.66	128	0.0717	Ix=158.33 cm^4

When cable trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Standard (L-Shaped) Splice Plates

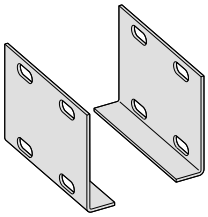
- One pair with hardware provided with each section.
- 4-hole pattern L-shaped splice plates.
- L-shaped lay-in design.
- (*) Insert ZN or G



Tray Series	Catalog No.
148	9(*)-4004
156	9(*)-4005
166	9(*)-4006
176	9(*)-4007

Expansion (L-Shaped) Splice Plates

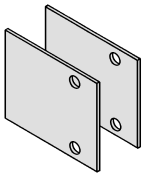
- Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints occur in the supporting structure.
- **Bonding Jumpers are required. Order Separately.**
- L-shaped lay-in design.
- Furnished in pairs with hardware.
- (*) Insert ZN or G



Tray Series	Catalog No.
148	9(*)-4014
156	9(*)-4015
166	9(*)-4016
176	9(*)-4017

Universal Splice Plates

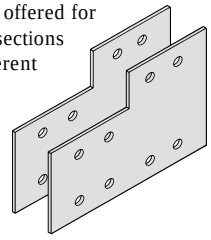
- Used to splice to existing cable tray systems.
- Furnished in pairs with hardware.
- (*) Insert P or G



Tray Series	Catalog No.
148	9(*)-2004-1/2
156	9(*)-2005-1/2
166	9(*)-2006-1/2
176	9(*)-2007-1/2

Step Down Splice Plates

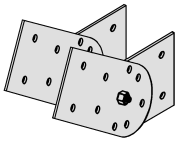
- These splice plates are offered for connecting cable tray sections having siderails of different heights.
- Furnished in pairs with hardware.
- (*) Insert ZN or G



Tray Series	Catalog No.
156 to 148	9(*)-8004
166 to 156 or 148	9(*)-8045
176 to 156 or 148	9(*)-8046
176 to 166	9(*)-8060

Vertical Adjustable Splice Plates

- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.
- (*) Insert ZN or G

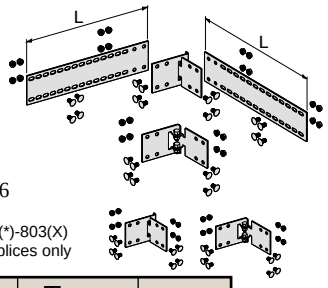


Tray Series	Catalog No.
148	9(*)-7024
156	9(*)-8024
166	9(*)-8025
176	9(*)-8026

Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.
- (*) Insert ZN or G
- (X) Insert 4 for series 148 or 156
  5 for series 166
  6 for series 176

9(*)-803(X)-12 or 9(*)-803(X)-36
One pair splice plates with extensions.

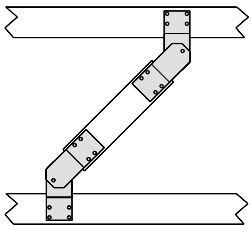


9(*)-803(X)
Splices only

Catalog No.	Cable Tray End Cut	Tray Width	'L'
9(*)-803(X)	Mitered	Thru 36”	N/A
9(*)-803(X)-12	Not mitered	Thru 12”	16”
9(*)-803(X)-36	Not mitered	Thru 36”	41”

Branch Pivot Connectors

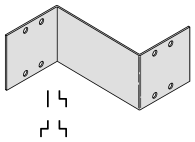
- Branch from existing cable tray runs at any point.
- Pivot to any required angle.
- Can be used with vertical adjustable splice plates to form vertical tees or wyes.
- UL Classified for grounding (bonding jumper not required).
- Furnished in pairs with hardware.
- (*) Insert ZN or G



Tray Series	Catalog No.
156 to148	9(*)-8244
166	9(*)-8245
176	9(*)-8246

Offset Reducing Splice Plate

- This plate is used for joining cable trays having different widths. When used in pairs they form a straight reduction; when used singly with a standard splice plate they form an offset reduction.
- Furnished as one plate with hardware.
- R = reduction
- (*) Insert P or G



Tray Series	Catalog No.
148	9(*)-8064-R
156	9(*)-8064-R
166	9(*)-8065-R
176	9(*)-8066-R

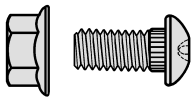
Tray Hardware

Pre-Galvanized Tray Hardware

Catalog No. RNCB 3/8 x 3/4 Znplt
Ribbed Neck Carriage Bolt ASTM A307 Grade A

Catalog No. SFHN 3/8 Znplt
Serrated Flange Hex Nut ASTM A563 Grade A

Finish: Zinc Plated ASTM B633, SC1



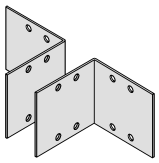
Hot Dip Galvanized Tray Hardware

Catalog No. RNCB 3/8 x 3/4 CZ Ribbed Neck Carriage Bolt Chromium Zinc ASTM F-1136-88

Catalog No. SFHN 3/8 CZ Serrated Flange Hex Nut Chromium Zinc ASTM F-1136-88

Tray to Box Splice Plates

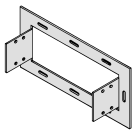
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.
- (*) Insert P or G



Tray Series	Catalog No.
148	9(*)-8054
156	9(*)-8054
166	9(*)-8055
176	9(*)-8056

Frame Type Box Connector

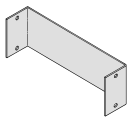
- Designed to attach the end of a cable tray run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with tray connection hardware.
- W = tray width
- (*) Insert P or G



Tray Series	Catalog No.
148	9(*)-8074-W
156	9(*)-8074-W
166	9(*)-8075-W
176	9(*)-8076-W

Blind End

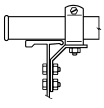
- This plate forms a closure for a dead end cable tray.
- Furnished as one plate with hardware.
- W = tray width
- (*) Insert P or G



Tray Series	Catalog No.
148	9(*)-8084-W
156	9(*)-8084-W
166	9(*)-8085-W
176	9(*)-8086-W

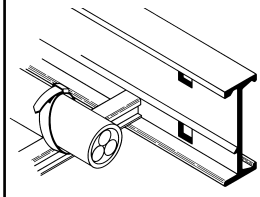
Conduit to Tray Adaptors

- Assembly required.
- Mounting hardware included.
- Conduit clamp included
- CS = Conduit size.



Cat. No.	9ZN-1150-CS

Cable Ties (Ladder Tray)



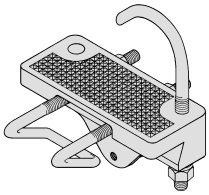
Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. of 3" (76mm).

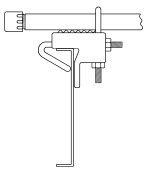
Overall Length 15"

Catalog No.	99-2125

Conduit to Tray Adaptors

- For easy attachment of conduit terminating at a cable tray.
- Use on aluminum or steel cable trays.
- (*) Insert ZN or G



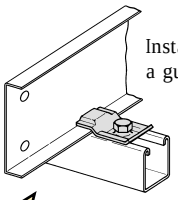


Catalog No.	Conduit Size in.	Conduit Size mm
9(*)-1158-1/2, 3/4	1/2, 3/4	15, 20
9(*)-1158-1, 1 1/4	1, 1 1/4	25, 32
9(*)-1158-1 1/2, 2	1 1/2, 2	40, 50
9(*)-1158-2 1/2, 3	2 1/2, 3	65, 80
9(*)-1158-3 1/2, 4	3 1/2, 4	90, 100

Series 1 Steel-Accessories

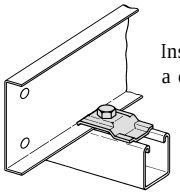
Cable Tray Clamp/Guide

- Features a no-twist design.
- Has four times the strength of the traditional design.
- Each side is labeled to ensure proper installation.
- Designed for 3/8" hardware.
- Furnished in pairs, with or without hardware.



Installed as a guide

Patent # RE35479



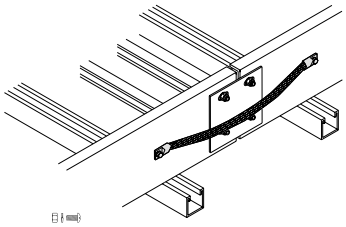
Installed as a clamp

Catalog No.
9ZN-1208 (without hardware)
9ZN-1208NB (with hardware)

Bonding Jumper

Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground.
Sold individually.

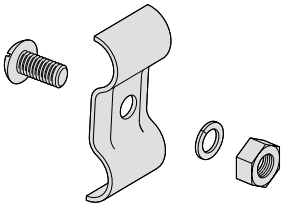
- Hardware included.
- 600 amp rating.



Catalog No.	Ampacity
99-N1	600

Grounding Clamps

- Mechanically attaches grounding cable to cable tray.
- Hardware included.
- (*) Insert ZN or SS4

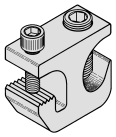


Catalog No.	Cable Size
9(*)-2351	#1 thru 2/0
9(*)-2352	3/0 thru 250 MCM

Grounding Clamps

B-Line Cable Tray is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor for additional grounding capability is desired, B-Line offers this clamp for bolting the conductor at least once to each cable tray section.

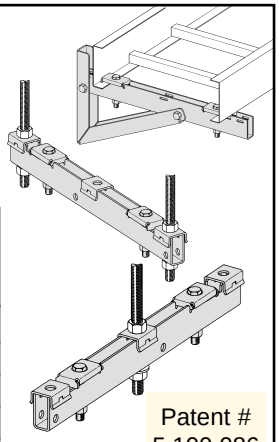
- Accepts #6 AWG to 250 MCM.



Item	Material	Catalog No.
Grounding Clamp	Tin Plated Aluminum	9A-2130

Support Bracket

- Designed for center hung or trapeze supports.
- Can be purchased as a wall mounted bracket.
- Load capacity is 600 lbs. (2.67kN), safety factor 3.
- All components are zinc plated.
- 1/2" threaded rod and 1/2" hex nuts not included.

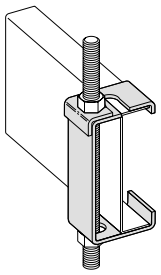


Patent # 5,100,086

Catalog No.		For Cable Tray Width	
Center Hung or Trapeze	Wall Mount	in.	mm
9ZN-5106	9ZN-5106-WB	6	152
9ZN-5109	9ZN-5109-WB	9	226
9ZN-5112	9ZN-5112-WB	12	305
9ZN-5118	9ZN-5118-WB	18	452
9ZN-5124	9ZN-5124-WB	24	609

Hanger Rod Clamp

- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two-piece "J"-hanger design.
- 9ZN-1113 has 275 lbs./pair safety factor 3 capacity
- 9ZN-(X)324 has 1500 lbs./pair capacity safety factor 3.



Series	Catalog No.
148	9ZN-1113
156	9ZN-5324
166	9ZN-5325
176	9ZN-5326

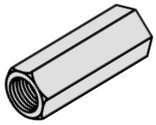
Threaded Rod (ATR) & Rod Couplings

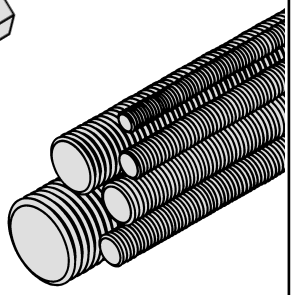
Size	Loading lbs	Catalog No.	Available Lengths	Coupling Cat. No.
3/8-16	610	ATR 3/8 x Length	36", 72", 120", 144"	B655-3/8
1/2-13	1130	ATR 1/2 x Length	36", 72", 120", 144"	B655-1/2

Loading based on safety factor 5.

Standard Finish: Zinc Plated.

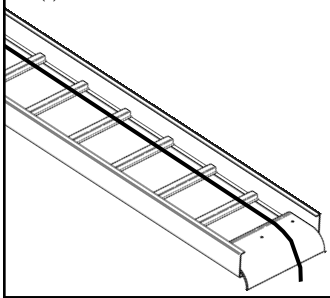
See B-Line Strut Systems Catalog for other sizes and finishes.

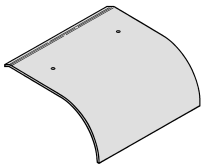




Ladder or Trough Type Drop-Out

- This special designed, easy to install drop-out provides a 4" (101.6) radius to protect cables exiting the cable tray from damage.
- Attaches to a ladder rung or trough bottom (148 series only).
- Hardware included.
- (*) Insert P or G





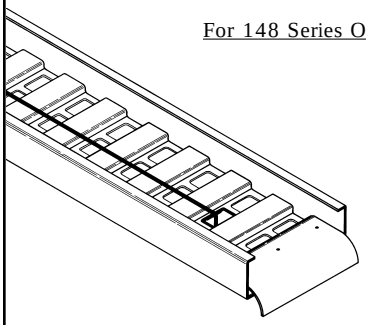
Catalog No.	9(*)-1104T-W

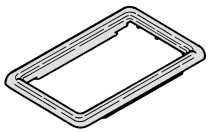
W = tray width

Trough Drop-Out Bushing (Plastic)

- These snap-in plastic bushings provide a round surface to protect cables exiting from an opening in the bottom of a ventilated trough tray.

For 148 Series Only



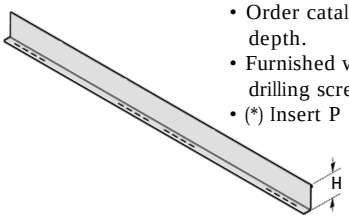


Catalog No.	99-1124

Barriers

Straight Section

- Standard length: 120" (3m) 144" (12').
- Order catalog number based on loading depth.
- Furnished with four #10 x 1/2" plated self-drilling screws and a 99-9982 splice.
- (*) Insert P or G

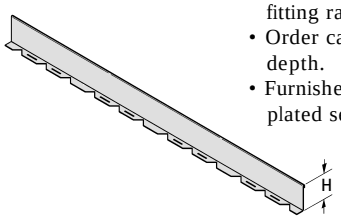


Tray Series	Catalog No.	H In.	H mm
148	72(*)-Length	3	76
156	737(*)-Length	3.7	94
166	747(*)-Length	4.7	119
176	757(*)-Length	5.7	145

Length = 144 for 12' or 120 for 10'

Horizontal Bend

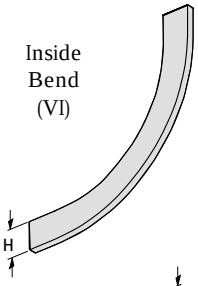
- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Cut to length.
- Order catalog number based on loading depth.
- Furnished with three #10 x 1/2" zinc plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- Standard length is 72" (6ft.), sold individually.
- (*) Insert P or G

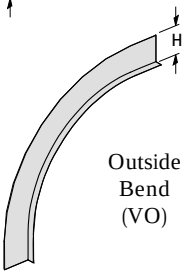


Tray Series	Catalog No.	H In.	H mm
148	72(*)-90HBFL	3	76
156	737(*)-90HBFL	3.7	94
166	747(*)-90HBFL	4.7	119
176	757(*)-90HBFL	5.7	145

Vertical Bend Barriers

- Vertical Bend Barriers are preformed to conform to a specific vertical fitting.
- Furnished with three #10 x 1/2" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert P or G
- (**) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24 or 36 for radius

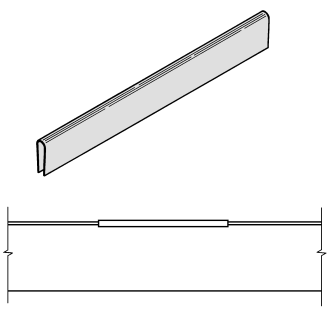




Tray Series	Catalog No. Inside Bend	Catalog No. Outside Bend	H In.	H mm
148	72(*)-(**)VI(†)	72(*)-(**)VO(†)	3	76
156	737(*)-(**)VI(†)	737(*)-(**)VO(†)	3.7	94
166	747(*)-(**)VI(†)	747(*)-(**)VO(†)	4.7	119
176	757(*)-(**)VI(†)	757(*)-(**)VO(†)	5.7	145

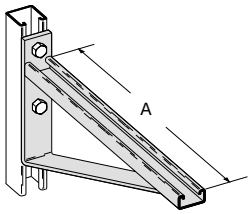
Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.



Catalog No.	99-9982

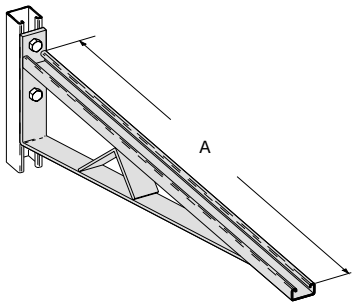
Cantilever Brackets



Finishes available: PLTD, GRN, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-12	1580	7.02	6 & 9	152 & 229	12	304.8
B494-18	830	3.69	12	305	18	457.2
B494-24	830	3.69	18	457	24	609.6

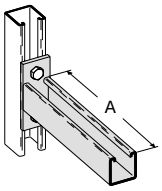
Cantilever Brackets



Finishes available: PLTD, GRN, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-30	750	3.33	24	609.6	30	762.0
B494-36	665	2.95	30	762.0	36	914.4
B494-42	580	2.58	36	914.4	42	1066.8

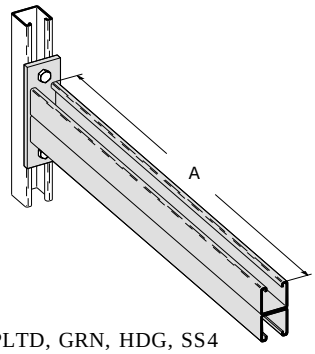
Cantilever Brackets



Finishes available: PLTD, GRN, HDG, SS4, SS6

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409-12	800	3.55	6 & 9	152 & 228	12	304.8
B409-18	530	2.35	12	305	18	457.2
B409-24	400	1.78	18	457	24	609.6

Cantilever Brackets



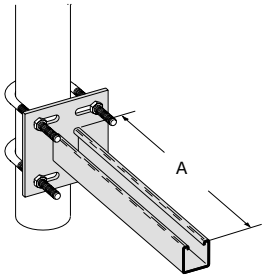
Finishes available: PLTD, GRN, HDG, SS4

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B297-30	665	2.95	24	609.6	30	762.0
B297-36	550	2.44	30	762.0	36	914.4
B297-42	465	2.06	36	914.4	42	1066.8

Underfloor Support

Works with U-Bolts - not included

U-Bolt Size	Fits Pipe O.D.
B501-3/4	.841 - 1.050
B501-1	1.051 - 1.315
B501-1 1/4	1.316 - 1.660
B501-1 1/2	1.661 - 1.900
B501-2	1.901 - 2.375
B501-2 1/2	2.376 - 2.875

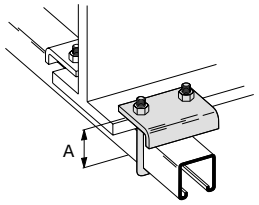


- Order properly sized U-Bolts separately.

Finish available: PLTD

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409UF-12	800	3.55	6 & 9	152 & 229	12	304.8
B409UF-18	530	2.35	12	305	18	457.2
B409UF-24	400	1.78	18	457	24	609.6

Beam Clamp



- Sold in pieces with hardware.

* When used in pairs.

Finishes available: PLTD, HDG

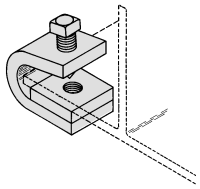
Catalog No.	Design Load* lbs	Design Load* kN	'A' in.	'A' mm
B441-22	1060	4.71	3 3/8	85.73
B441-22A	1060	4.71	5	127.00

Safety Factor of 3.0 on all loads

Beam Clamp

- Finishes available: ZN, GRN, HDG
- Setscrew included.

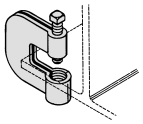
* When used in pairs.



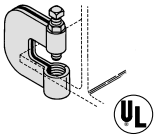
Cat. No.	B210		B210A	
Design Load*	1330 lbs.	5.91 kN	500 lbs.	2.22 kN
Tap Size	1/2"-13	-	3/8"-16	-
Mat'l. Thickness	3/8"	9.5 mm	1/4"	6.9 mm

Steel C-Clamp

- Finishes available: ZN, SS4



• B351 without Locknut



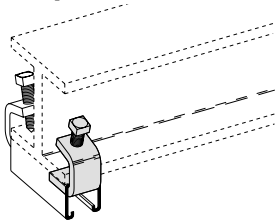
• B351L with Locknut

Catalog Number	Rod Size	Design Load lbs	Design Load kN
B351-3/8	3/8"-16	615	2.74
B351-1/2	1/2"-13	615	2.74
B351-5/8	5/8"-11	1290	5.74
B351-3/4	3/4"-10	1440	6.41

I-Beam Clamp

- Finishes available: ZN, GRN, HDG
- Setscrew included.

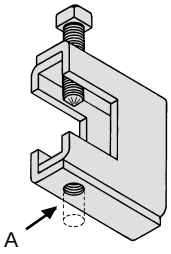
* When used in pairs.

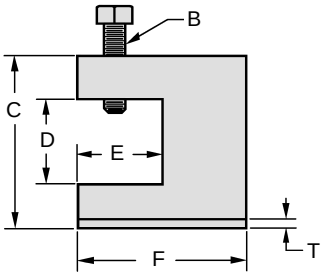


Cat. No.	B212-1/4		B212-3/8	
Design Load *	1000 lbs.	4.44 kN	1665 lbs.	7.39 kN
Max. Flange Thick.	3/4"	19.1 mm	1 1/8"	28.6 mm
Mat'l. Thickness	1/4"	6.4 mm	3/8"	9.5 mm

B305 Thru B308 & B321 Series Beam Clamps

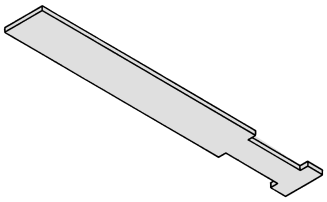
- Finishes available: ZN, HDG
- Setscrew included.





Cat. No.	Rod Size A	B	C	D	E	F	T	Design Load lbs	Design Load kN
B305	3/8"-16	3/8"-16	2 5/16"	7/8"	1 1/8"	2 1/2"	11 Ga.	1000	4.45
B306	3/8"-16	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1830	8.14
B307	1/2"-13	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1830	8.14
B308	1/2"-13	1/2"-13	2 9/16"	7/8"	1 1/8"	2 1/2"	1/4"	2500	11.12
B321-1	3/8"-16	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	2165	9.63
B321-2	1/2"-13	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	2330	10.36

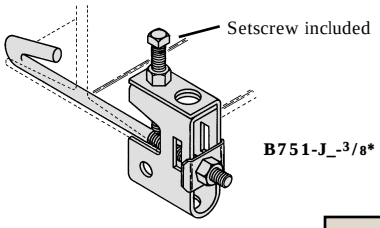
B312 Anchor Strap



- Finishes available: ZN, HDG
- For a maximum beam thickness of 3/4".
- For thicker beams, step up one flange width size.

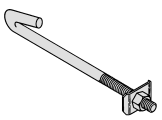
Cat. No.	Flange Width
B312-6	Up to 6"
B312-9	6" - 9"
B312-12	9" - 12"

B751 Bottom Beam Clamp and Accessories



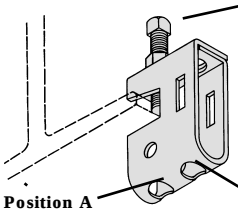
B751-J_-3/8*

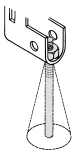
Finish available: ZN



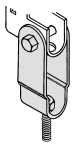
B701-J_-3/8

Loading position A - 830 lbs.
Loading position B - 500 lbs.





B753



B752

Provides a full 15° swivel in any direction. (State the desired rod size.)

Assembly No. To Fit Flange Sizes	B751 Clamp,Setscrew & J-Hook	B701J_ J-Hook,Clip & Square Nut	B752 Swivel & Bolt Only	B753 Swivel Nut Only
4"-5 7/8"	B751-J4-3/8*	B701-J4-3/8	B752	B753-**
6"-8 7/8"	B751-J6-3/8*	B701-J6-3/8	B752	B753-**
9"-11 7/8"	B751-J9-3/8*	B701-J9-3/8	B752	B753-**

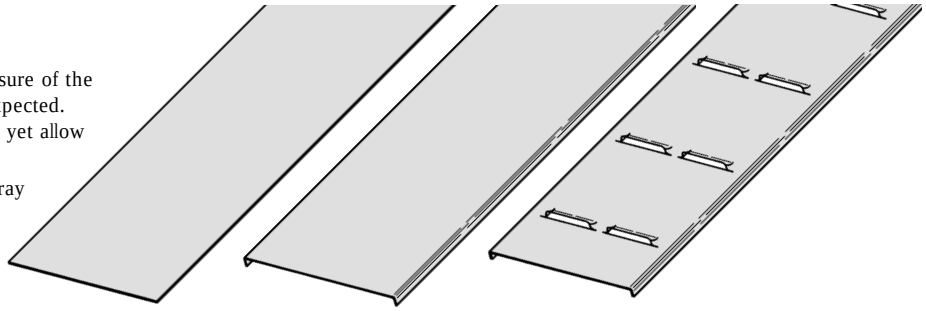
* Clamp Assembly complete with J-Hook Assembly. Setscrew included.
** Insert 1/4, 3/8 or 1/2 for the desired rod size.

Safety Factor of 5.0 on all loads.

Covers

Solid covers should be used when maximum enclosure of the cables is desired and no accumulation of heat is expected. Ventilated covers provide an overhead cable shield yet allow heat to escape.

B-Line recommends that covers on vertical cable tray runs to a height of 6 ft. (1.83m) to 8 ft. (2.44m) above the floor to isolate both cables and personnel. Flanged covers have a 1/2 in. (13mm) flange. Cover clamps are not included with the cover and must be ordered separately.



Solid Non-Flanged | Solid Flanged | Ventilated Flanged

Covers Part Numbering

Prefix

Example: 80 1 P - 20 - 24 - 144

Cover Type	Detail	Material	Material Thickness	Tray Width	Item Description
80 = Solid	1 = Flanged	P = Pre-Galvanized	20 = 20 Ga. Steel for Pre-Galvanized	06 = 6”	For Straight Section Cover:
81 = Ventilated	9 = Non-Flanged	G = HDGAF	18 = 18 Ga. Steel for HDGAF	09 = 9”	**Pre-Galvanized Only:**
				12 = 12”	144 = 12 ft. (3.66m)
				18 = 18”	120 = 10 ft. (3.05m)
				24 = 24”	**Pre-Galvanized & HDGAF**
				30 = 30”	72 = 6 ft. (1.83m)
				36 = 36”	60 = 5 ft. (1.52m)
					For fitting covers: Insert suffix of fitting to be covered. See example below.

Example of Catalog Number for Fitting Cover:

Vertical Bend Cover

Prefix / Suffix

80 1 P 20 - 24 - 90 VO 24 - 4*

- 4 = Siderail Height
- 24 = Radius
- VO = Fitting
- 90 = Angle
- 24 = Width
- 20 = Material Thickness
- P = Material
- 1 = Detail
- 80 = Cover Type

* Required for VO fittings only.

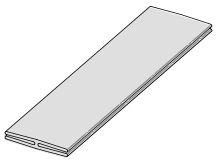
Quantity of Standard Cover Clamps Required

Straight Section 60” or 72”	4 pcs.
Straight Section 120” or 144”	6 pcs.
Horizontal/Vertical Bends	4 pcs.
Tees	6 pcs.
Crosses	8 pcs.

Note: When using the Heavy Duty Cover Clamp, only one-half the number of clamps stated above is required.

Cover Joint Strip

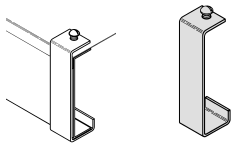
- Used to join covers
- Plastic
- W = tray width



Cat. No.	99-9980-W

Standard Cover Clamp

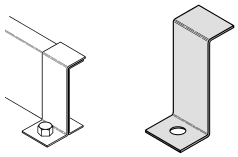
- Sold per piece



Tray Series	Catalog No.	
	Znplt/Pre-Galv.	HDGAF
148	9ZN-9019	9G-9019
156	9P-9014	9G-9014
166	9P-9015	9G-9015
176	9P-9016	9G-9016

Combination Hold Down & Cover Clamp

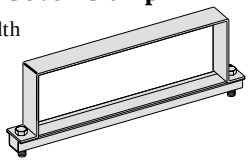
- Sold per piece



Tray Series	Catalog No.	
	Znplt/Pre-Galv.	HDGAF
148	9ZN-9243	9G-9243
156	9P-9043	9G-9043
166	9P-9053	9G-9053
176	9P-9063	9G-9063

Heavy Duty Cover Clamp

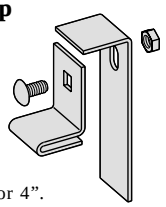
- W = Tray width



Tray Series	Catalog No.	
	Pre-Galv.	HDGAF
148	9P-W-9040	9G-W-9040
156	9P-W-9044	9G-W-9044
166	9P-W-9054	9G-W-9054
176	9P-W-9064	9G-W-9064

Raised Cover Clamp

- For indoor service only.
- Sold per piece



† Specify gap of 1”, 2”, 3” or 4”.

Tray Series	Catalog No.
All Steel Fittings (Also Series 1 Steel Straight Sections)	9ZN-910†

Section 1- Acceptable Manufacturers

1.01 Manufacturer: Subject to compliance with these specifications, cable tray systems shall be as manufactured by B-Line Systems, Inc.

Section 2- Cable Tray Sections and Components

2.01 General: Except as otherwise indicated, provide metal cable trays, of types, classes and sizes indicated; with splice plates, bolts, nuts and washers for connecting units. Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features. Cable tray shall be installed according to the latest revision of NEMA VE-2.

2.02 Pre-Galvanized Steel: Straight sections, fitting side rails, rungs, and covers shall be made from structural quality steel meeting the minimum mechanical properties and mill galvanized in accordance with ASTM A653 SS, Grade 33, coating designation G90. Hardware finish shall be electrogalvanized zinc per ASTM B633.

2.03 Hot dip Galvanized Steel: All side rails, covers, splice plates, and rungs shall be made from structural quality steel meeting the minimum mechanical properties of ASTM A570, Grade 33 for 14 gauge and heavier, ASTM A611, Grade C for 16 gauge and lighter, and shall be hot dip galvanized after fabrication in accordance with ASTM A123. Mill galvanized covers are not acceptable for hot dipped galvanized cable tray. Hardware finish shall be chromium zinc per ASTM F-1136-88.

2.04 Ladder Cable Trays shall consist of two longitudinal members (side rails) with transverse members (rungs) welded to the side rails. Rungs shall be spaced [6] [9] [12] inches on center. Rung spacing in radiused fittings shall be industry standard 9" and measured at the center of the tray's width. No portion of the rungs shall protrude below the bottom plane of the side rails.

2.05 Ventilated Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or rungs spaced 4" on center. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers. To provide ventilation in the tray, the valleys of the corrugated bottom shall have 2-1/4" x 4" rectangular holes punched along the width of the bottom.

2.06 Solid Bottom Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or a solid sheet over rungs. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers.

2.07 Cable tray loading depth shall be [3] [4] [5] [6] inches per NEMA VE-1.

2.08 Straight sections shall be supplied in standard [12 foot] [10 foot (3m)] lengths.

2.09 Cable tray widths shall be [6] [9] [12] [18] [24] [30] [36] inches or as shown on drawings.

2.10 Splice plates shall be L-shaped with 4 nuts and bolts per plate. The resistance of fixed splice connections between an adjacent section of tray shall not exceed 0.00033 ohm.

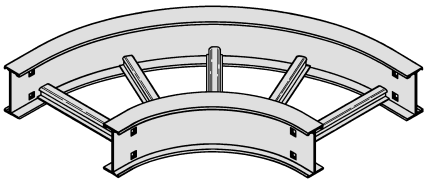
2.11 All fittings must have a minimum radius of [12] [24] inches.

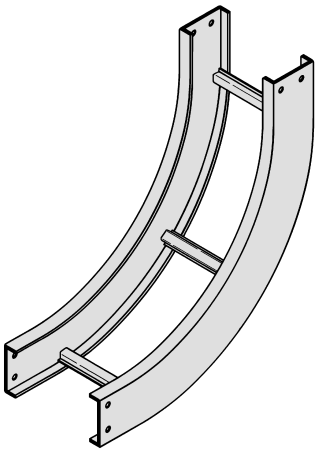
Section 3- Loading Capacities and Testing

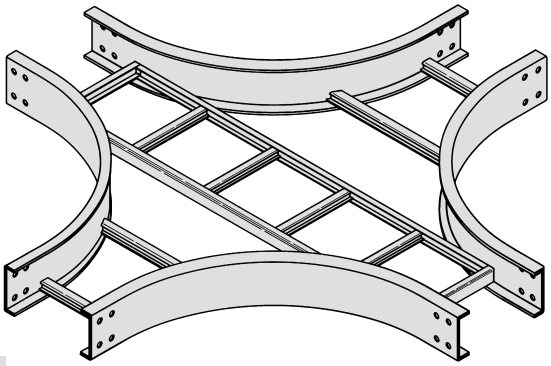
3.01 Cable tray shall be capable of carrying a uniformly distributed load of _____ lbs./ft. on a _____ ft. support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE1-5.2. Cable tray shall be made to manufacturing tolerances as specified by NEMA.

3.02 Upon request, manufacturer shall provide test reports in accordance with the latest revision of NEMA VE-1 or CSA C22.2 No. 126.

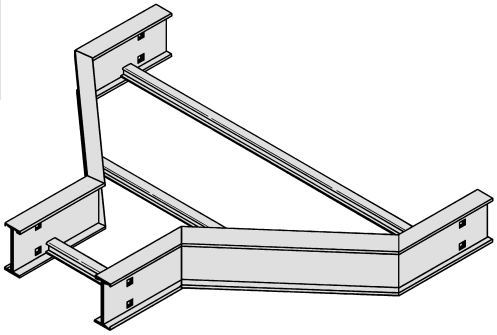
Series 1 Fittings







Fittings engineered with 3” tangents for splicing integrity.



Fittings Part Numbering

Prefix

Example: **1 4 A - 24 - 90 HB 24** (9” rung spacing is standard)

Series	Height	Material	Width	Angle	Type	Radius
1	Aluminum 4 = 4” Steel 4 = 4” 5 = 5” 6 = 6” 7 = 7”	A = Aluminum P = Pre-Galvanized G = HDGAF	06 = 6” (152) 09 = 9” (228) 12 = 12” (305) 18 = 18” (457) 24 = 24” (609) 30 = 30” (762) 36 = 36” (914)	30 = 30° 45 = 45° 60 = 60° 90 = 90°	HB = Horizontal Bend HT = Horizontal Tee HX = Horizontal Cross VI = Vertical Inside Bend VO = Vertical Outside Bend	12 = 12" (305) 24 = 24" (609)

For steel and aluminum 4” vented or solid trough add VT or ST as shown below.

Prefix
14AVT - 24 - HT24
Vented Trough

Prefix
14PST - 24 - HT24
Solid Trough

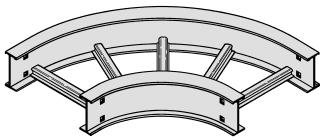
For steel 5”, 6”, 7” vented or solid bottom add 04 or SB as shown below.

Prefix
15P04 - 24 - 90HB24
Vented Bottom

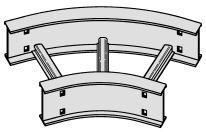
Prefix
15PSB - 24 - 90HB24
Solid Bottom

Horizontal Bends 90° 60° 45° 30° (HB)

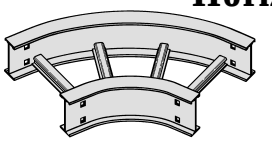
1 pair splice plates with hardware included.



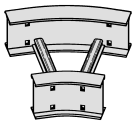
90° Horizontal Bend



45° Horizontal Bend

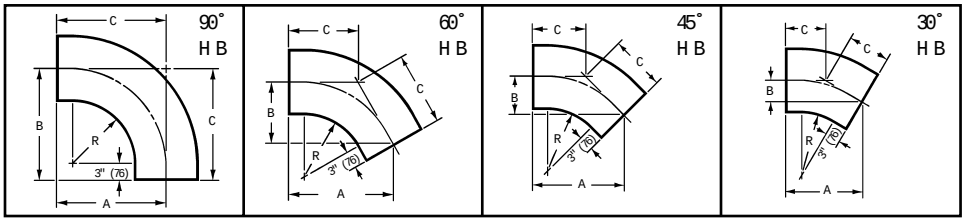


60° Horizontal Bend



30° Horizontal Bend

Bottoms manufactured:
Ladder = 9" Rung Spacing
VT & 04 = 4" Rung Spacing
ST & SB = Flat sheet over 12" Rung Spacing



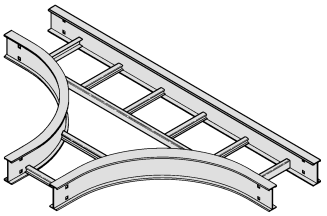
Bend Radius R		Tray Width		90° Horizontal Bend Dimensions								60° Horizontal Bend Dimensions							
				Catalog No.	A		B		C			Catalog No.	A		B		C		
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm			in.	mm	in.	mm	in.	mm	
12	305	6	152	(Pre)-06-90HB12	18	450	18	450	18	450		(Pre)-06-60HB12	17 1/2	445	10 1/8	257	11 11/16	297	
		9	228	(Pre)-09-90HB12	19 1/2	495	19 1/2	495	19 1/2	495		(Pre)-09-60HB12	18 13/16	478	10 7/8	276	12 1/2	318	
		12	305	(Pre)-12-90HB12	21	533	21	533	21	533		(Pre)-12-60HB12	20 1/16	510	11 5/8	295	13 3/8	340	
		18	457	(Pre)-18-90HB12	24	600	24	600	24	600		(Pre)-18-60HB12	22 11/16	576	13 1/8	333	15 1/8	384	
		24	609	(Pre)-24-90HB12	27	686	27	686	27	686		(Pre)-24-60HB12	25 5/16	643	14 5/8	372	16 7/8	429	
		30	762	(Pre)-30-90HB12	30	750	30	750	30	750		(Pre)-30-60HB12	27 7/8	708	16 1/8	410	18 9/16	472	
		36	914	(Pre)-36-90HB12	33	838	33	838	33	838		(Pre)-36-60HB12	30 1/2	775	17 5/8	448	20 5/16	516	
24	609	6	152	(Pre)-06-90HB24	30	750	30	750	30	750		(Pre)-06-60HB24	27 7/8	708	16 1/8	410	18 9/16	472	
		9	228	(Pre)-09-90HB24	31 1/2	800	31 1/2	800	31 1/2	800		(Pre)-09-60HB24	29 3/16	741	16 7/8	429	19 7/16	494	
		12	305	(Pre)-12-90HB24	33	838	33	838	33	838		(Pre)-12-60HB24	30 1/2	775	17 5/8	448	20 5/16	516	
		18	457	(Pre)-18-90HB24	36	914	36	914	36	914		(Pre)-18-60HB24	33 1/16	840	19 1/8	486	22 1/16	560	
		24	609	(Pre)-24-90HB24	39	991	39	991	39	991		(Pre)-24-60HB24	35 11/16	907	20 5/8	524	23 13/16	605	
		30	762	(Pre)-30-90HB24	42	1067	42	1067	42	1067		(Pre)-30-60HB24	38 1/4	972	22 1/8	562	25 1/2	648	
		36	914	(Pre)-36-90HB24	45	1143	45	1143	45	1143		(Pre)-36-60HB24	40 7/8	1038	23 5/8	600	27 1/4	692	
				45° Horizontal Bend								30° Horizontal Bend							
12	305	6	152	(Pre)-06-45HB12	15 3/4	400	6 1/2	165	9 3/16	233		(Pre)-06-30HB12	13 1/8	333	3 1/2	89	7	175	
		9	228	(Pre)-09-45HB12	16 13/16	427	6 15/16	176	9 13/16	249		(Pre)-09-30HB12	13 7/8	352	3 11/16	94	7 7/16	189	
		12	305	(Pre)-12-45HB12	17 7/8	454	7 3/8	187	10 7/16	265		(Pre)-12-30HB12	14 5/8	372	3 15/16	100	7 13/16	198	
		18	457	(Pre)-18-45HB12	20	500	8 1/4	210	11 11/16	297		(Pre)-18-30HB12	16 1/8	410	4 5/16	135	8 5/8	219	
		24	609	(Pre)-24-45HB12	22 1/16	560	9 1/8	232	12 15/16	329		(Pre)-24-30HB12	17 5/8	448	4 11/16	119	9 7/16	240	
		30	762	(Pre)-30-45HB12	24 3/16	614	10	250	14 3/16	360		(Pre)-30-30HB12	19 1/8	486	5 1/8	130	10 1/4	260	
		36	914	(Pre)-36-45HB12	26 5/16	668	10 15/16	278	15 7/16	392		(Pre)-36-30HB12	20 5/8	524	5 1/2	140	11 1/16	281	
24	609	6	152	(Pre)-06-45HB24	24 3/16	614	10	250	14 3/16	360		(Pre)-06-30HB24	19 1/8	486	5 1/8	130	10 1/4	260	
		9	228	(Pre)-09-45HB24	25 1/4	641	10 1/2	267	14 13/16	376		(Pre)-09-30HB24	19 7/8	505	5 5/16	135	10 5/8	270	
		12	305	(Pre)-12-45HB24	26 5/16	668	10 15/16	278	15 7/16	392		(Pre)-12-30HB24	20 5/8	524	5 1/2	140	11 1/16	281	
		18	457	(Pre)-18-45HB24	28 7/16	722	11 13/16	300	16 11/16	424		(Pre)-18-30HB24	22 1/8	562	5 15/16	151	11 13/16	300	
		24	609	(Pre)-24-45HB24	30 9/16	776	12 11/16	322	17 15/16	456		(Pre)-24-30HB24	23 5/8	600	6 5/16	160	12 5/8	321	
		30	762	(Pre)-30-45HB24	32 11/16	830	13 9/16	345	19 1/8	486		(Pre)-30-30HB24	25 1/8	638	6 3/4	172	13 7/16	341	
		36	914	(Pre)-36-45HB24	34 13/16	884	14 7/16	367	20 3/8	518		(Pre)-36-30HB24	26 5/8	676	7 1/8	181	14 1/4	362	

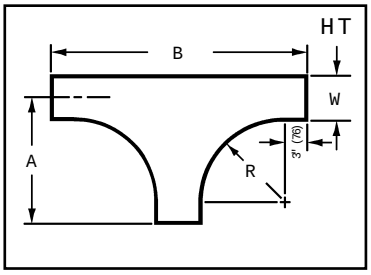
(Pre) See page 68 for catalog number prefix.
All dimensions in parenthesis are millimeters unless otherwise specified.
Width dimensions are to inside wall. For aluminum fittings add .72 inch for total outside width. Manufacturing tolerances apply to all dimensions.

Horizontal Tee (HT)

2 pair splice plates with hardware included.

Bend Radius R		Tray Width		Horizontal Tee Dimensions				
				Catalog No.	A		B	
in.	mm	in.	mm		in.	mm	in.	mm
12	305	6	152	(Prefix)-06-HT12	18	457	36	914
		9	228	(Prefix)-09-HT12	19 1/2	495	39	991
		12	305	(Prefix)-12-HT12	21	533	42	1067
		18	457	(Prefix)-18-HT12	24	610	48	1219
		24	609	(Prefix)-24-HT12	27	686	54	1372
		30	762	(Prefix)-30-HT12	30	762	60	1524
		36	914	(Prefix)-36-HT12	33	838	66	1676
24	609	6	152	(Prefix)-06-HT24	30	762	60	1524
		9	228	(Prefix)-09-HT24	31 1/2	800	63	1600
		12	305	(Prefix)-12-HT24	33	838	66	1676
		18	457	(Prefix)-18-HT24	36	914	72	1829
		24	609	(Prefix)-24-HT24	39	991	78	1981
		30	762	(Prefix)-30-HT24	42	1067	84	2134
		36	914	(Prefix)-36-HT24	45	1143	90	2286



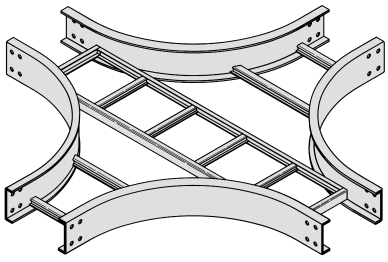


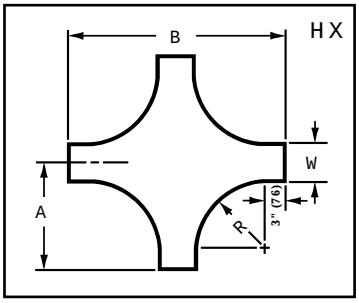
(Prefix) See page 68 for catalog number prefix.

Horizontal Cross (HX)

3 pair splice plates with hardware included.

Bend Radius R		Tray Width		Horizontal Cross Dimensions				
				Catalog No.	A		B	
in.	mm	in.	mm		in.	mm	in.	mm
12	305	6	152	(Prefix)-06-HX12	18	457	36	914
		9	228	(Prefix)-09-HX12	19 1/2	495	39	991
		12	305	(Prefix)-12-HX12	21	533	42	1067
		18	457	(Prefix)-18-HX12	24	610	48	1219
		24	609	(Prefix)-24-HX12	27	686	54	1372
		30	762	(Prefix)-30-HX12	30	762	60	1524
		36	914	(Prefix)-36-HX12	33	838	66	1676
24	609	6	152	(Prefix)-06-HX24	30	762	60	1524
		9	228	(Prefix)-09-HX24	31 1/2	800	63	1600
		12	305	(Prefix)-12-HX24	33	838	66	1676
		18	457	(Prefix)-18-HX24	36	914	72	1829
		24	609	(Prefix)-24-HX24	39	991	78	1981
		30	762	(Prefix)-30-HX24	42	1067	84	2134
		36	914	(Prefix)-36-HX24	45	1143	90	2286





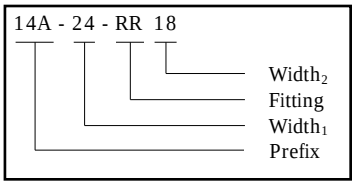
(Prefix) See page 68 for catalog number prefix.

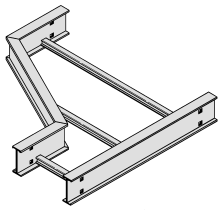
All dimensions in parenthesis are millimeters unless otherwise specified.
Width dimensions are to inside wall. For aluminum fittings add .72 inch for total outside width.
Manufacturing tolerances apply to all dimensions.

Reducers (LR, SR, RR)

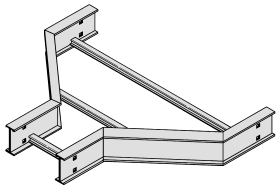
1 pair splice plates with hardware included.

Reducer Part Numbering

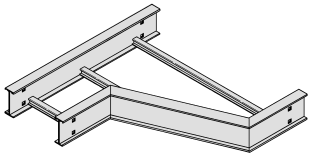




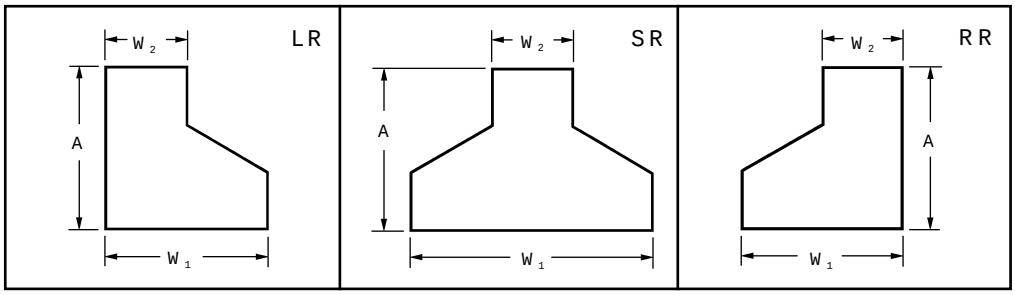
Left Reducer



Straight Reducer



Right Reducer



Tray Width				Left Hand Reducer			Straight Reducer			Right Hand Reducer		
W_1		W_2		Catalog No.	A		Catalog No.	A		Catalog No.	A	
in.	mm	in.	mm		in.	mm		in.	mm		in.	mm
9	228	6	152	(Prefix)-09-LR06	9 3/4	248	(Prefix)-09-SR06	8 7/8	225	(Prefix)-09-RR06	9 3/4	248
12	305	6	152	(Prefix)-12-LR06	11 1/2	292	(Prefix)-12-SR06	9 3/4	248	(Prefix)-12-RR06	11 1/2	292
		9	228	(Prefix)-12-LR09	9 3/4	248	(Prefix)-12-SR09	8 7/8	225	(Prefix)-12-RR09	9 3/4	248
18	457	6	152	(Prefix)-18-LR06	14 15/16	379	(Prefix)-18-SR06	11 1/2	292	(Prefix)-18-RR06	14 15/16	379
		9	228	(Prefix)-18-LR09	13 3/16	340	(Prefix)-18-SR09	10 5/8	270	(Prefix)-18-RR09	13 3/16	340
		12	305	(Prefix)-18-LR12	11 1/2	292	(Prefix)-18-SR12	9 3/4	248	(Prefix)-18-RR12	11 1/2	292
24	609	6	152	(Prefix)-24-LR06	18 3/8	467	(Prefix)-24-SR06	13 3/16	340	(Prefix)-24-RR06	18 3/8	467
		9	228	(Prefix)-24-LR09	16 11/16	424	(Prefix)-24-SR09	12 3/8	314	(Prefix)-24-RR09	16 11/16	424
		12	305	(Prefix)-24-LR12	14 15/16	379	(Prefix)-24-SR12	11 1/2	292	(Prefix)-24-RR12	14 15/16	379
		18	457	(Prefix)-24-LR18	11 1/2	292	(Prefix)-24-SR18	9 3/4	248	(Prefix)-24-RR18	11 1/2	292
30	762	6	152	(Prefix)-30-LR06	21 7/8	555	(Prefix)-30-SR06	14 15/16	380	(Prefix)-30-RR06	21 7/8	555
		9	228	(Prefix)-30-LR09	20 1/8	511	(Prefix)-30-SR09	14 1/16	358	(Prefix)-30-RR09	20 1/8	511
		12	305	(Prefix)-30-LR12	18 3/8	462	(Prefix)-30-SR12	13 3/16	335	(Prefix)-30-RR12	18 3/8	462
		18	459	(Prefix)-30-LR18	14 15/16	380	(Prefix)-30-SR18	11 1/2	292	(Prefix)-30-RR18	14 15/16	380
		24	609	(Prefix)-30-LR24	11 1/2	292	(Prefix)-30-SR24	9 3/4	248	(Prefix)-30-RR24	11 1/2	292
36	914	6	152	(Prefix)-36-LR06	25 5/16	643	(Prefix)-36-SR06	16 11/16	424	(Prefix)-36-RR06	25 5/16	643
		9	228	(Prefix)-36-LR09	23 9/16	598	(Prefix)-36-SR09	15 13/16	402	(Prefix)-36-RR09	23 9/16	598
		12	305	(Prefix)-36-LR12	21 7/8	555	(Prefix)-36-SR12	14 15/16	380	(Prefix)-36-RR12	21 7/8	555
		18	457	(Prefix)-36-LR18	18 3/8	462	(Prefix)-36-SR18	13 3/16	335	(Prefix)-36-RR18	18 3/8	462
		24	609	(Prefix)-36-LR24	14 15/16	380	(Prefix)-36-SR24	11 1/2	292	(Prefix)-36-RR24	14 15/16	380
		30	762	(Prefix)-36-LR30	11 1/2	292	(Prefix)-36-SR30	9 3/4	248	(Prefix)-36-RR30	11 1/2	292

(Prefix) See page 68 for catalog number prefix.

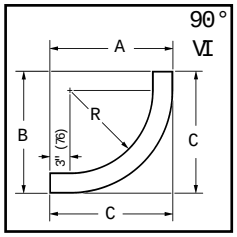
All dimensions in parenthesis are millimeters unless otherwise specified.

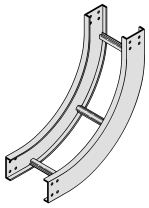
Width dimensions are to inside wall. For aluminum fittings add .72 inch for total outside width.

Manufacturing tolerances apply to all dimensions.

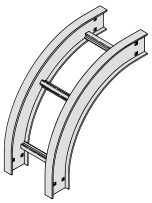
Vertical Bend 90° (VO, VI)

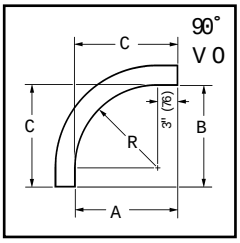
1 pair splice plates with hardware included.





90° Vertical Inside - Steel





90° Vertical Outside - Aluminum

90° Vertical Inside Bend - Aluminum

Bend Radius R		Tray Width			VI Dimensions Series 14 Aluminum		
in.	mm	in.	mm	Catalog No.	A	B	C
12	305	6	152	(Pre)-06-90(*)12	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)
		9	228	(Pre)-09-90(*)12			
		12	305	(Pre)-12-90(*)12			
		18	457	(Pre)-18-90(*)12			
		24	609	(Pre)-24-90(*)12			
		30	762	(Pre)-30-90(*)12			
		36	914	(Pre)-36-90(*)12			
24	609	6	152	(Pre)-06-90(*)24	30 7/8" (784)	30 7/8" (784)	30 7/8" (784)
		9	228	(Pre)-09-90(*)24			
		12	305	(Pre)-12-90(*)24			
		18	457	(Pre)-18-90(*)24			
		24	609	(Pre)-24-90(*)24			
		30	762	(Pre)-30-90(*)24			
		36	914	(Pre)-36-90(*)24			

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.

VO Dimensions All Series 1

Bend Radius R	A	B	C
90° Vertical Bend			
12" (305)	15" (381)	15" (381)	15" (381)
24" (609)	27" (686)	27" (686)	27" (686)

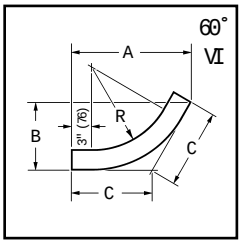
90° Vertical Inside Bend - Steel

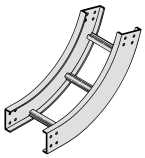
Bend Radius R		Tray Width			VI Dimensions											
					Series 14 Steel			Series 15 Steel			Series 16 Steel			Series 17 Steel		
in.	mm	in.	mm	Catalog No.	A	B	C	A	B	C	A	B	C	A	B	C
12	305	6	152	(Pre)-06-90(*)12	18 7/16" (468)	18 7/16" (468)	18 7/16" (468)	19 3/16" (487)	19 3/16" (487)	19 3/16" (487)	20 3/16" (513)	20 3/16" (513)	20 3/16" (513)	21 3/16" (538)	21 3/16" (538)	21 3/16" (538)
		9	228	(Pre)-09-90(*)12												
		12	305	(Pre)-12-90(*)12												
		18	457	(Pre)-18-90(*)12												
		24	609	(Pre)-24-90(*)12												
		30	762	(Pre)-30-90(*)12												
		36	914	(Pre)-36-90(*)12												
24	609	6	152	(Pre)-06-90(*)24	30 7/16" (773)	30 7/16" (773)	30 7/16" (773)	31 3/16" (792)	31 3/16" (792)	31 3/16" (792)	32 3/16" (817)	32 3/16" (817)	32 3/16" (817)	33 3/16" (843)	33 3/16" (843)	33 3/16" (843)
		9	228	(Pre)-09-90(*)24												
		12	305	(Pre)-12-90(*)24												
		18	457	(Pre)-18-90(*)24												
		24	609	(Pre)-24-90(*)24												
		30	762	(Pre)-30-90(*)24												
		36	914	(Pre)-36-90(*)24												

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.
All dimensions in parenthesis are millimeters unless otherwise specified.
Manufacturing tolerances apply to all dimensions.

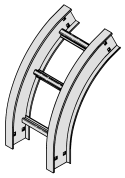
Vertical Bend 60° (VO, VI)

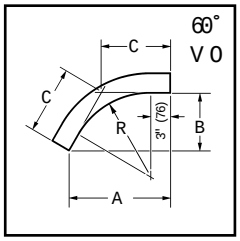
1 pair splice plates with hardware included.





60° Vertical Inside - Steel





60° Vertical Outside - Aluminum

60° Vertical Inside Bend - Aluminum

Bend Radius R		Tray Width			VI Dimensions Series 14 Aluminum		
in.	mm	in.	mm	Catalog No.	A	B	C
		6	152	(Pre)-06-60(*)12			
		9	228	(Pre)-09-60(*)12			
		12	305	(Pre)-12-60(*)12	18 1/4"	10 1/2"	12 1/8"
12	305	18	457	(Pre)-18-60(*)12			
		24	609	(Pre)-24-60(*)12	(463)	(267)	(308)
		30	762	(Pre)-30-60(*)12			
		36	914	(Pre)-36-60(*)12			
		6	152	(Pre)-06-60(*)24			
		9	228	(Pre)-09-60(*)24			
		12	305	(Pre)-12-60(*)24	25 3/16"	14 1/2"	16 3/4"
24	609	18	457	(Pre)-18-60(*)24			
		24	609	(Pre)-24-60(*)24	(643)	(368)	(425)
		30	762	(Pre)-30-60(*)24			
		36	914	(Pre)-36-60(*)24			

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.

VO Dimensions All Series 1

Bend Radius R	A	B	C
60° Vertical Bend			
12" (305)	14 7/8" (378)	8 5/8" (219)	9 15/16" (252)
24" (609)	25 5/16" (643)	14 5/8" (371)	16 7/8" (428)

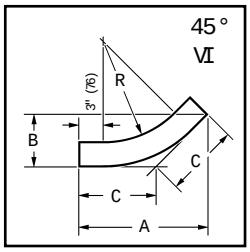
60° Vertical Inside Bend - Steel

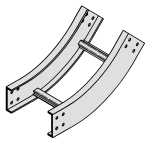
Bend Radius R		Tray Width			VI Dimensions Series 14 Steel			Series 15 Steel			Series 16 Steel			Series 17 Steel		
in.	mm	in.	mm	Catalog No.	A	B	C	A	B	C	A	B	C	A	B	C
		6	152	(Pre)-06-60(*)12												
		9	228	(Pre)-09-60(*)12												
		12	305	(Pre)-12-60(*)12	18 1/16"	10 7/16"	12"	18 1/2"	10 11/16"	12 3/8"	19 3/8"	11 3/16"	12 15/16"	20 1/4"	11 11/16"	13 1/2"
12	305	18	457	(Pre)-18-60(*)12												
		24	609	(Pre)-24-60(*)12	(459)	(265)	(305)	(470)	(271)	(314)	(492)	(284)	(328)	(514)	(297)	(343)
		30	762	(Pre)-30-60(*)12												
		36	914	(Pre)-36-60(*)12												
		6	152	(Pre)-06-60(*)24												
		9	228	(Pre)-09-60(*)24												
		12	305	(Pre)-12-60(*)24	28 7/16"	16 7/16"	18 15/16"	28 15/16"	16 11/16"	19 1/4"	29 3/4"	17 3/16"	19 7/8"	30 5/8"	17 11/16"	20 7/16"
24	609	18	457	(Pre)-18-60(*)24												
		24	609	(Pre)-24-60(*)24	(722)	(417)	(481)	(735)	(424)	(489)	(755)	(436)	(505)	(778)	(449)	(519)
		30	762	(Pre)-30-60(*)24												
		36	914	(Pre)-36-60(*)24												

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.
All dimensions in parenthesis are millimeters unless otherwise specified.
Manufacturing tolerances apply to all dimensions.

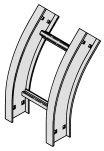
Vertical Bend 45° (VO, VI)

1 pair splice plates with hardware included.

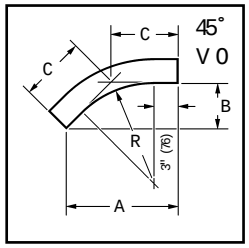




45° Vertical Inside - Steel



45° Vertical Outside - Aluminum



45° Vertical Inside Bend - Aluminum

Bend Radius R		Tray Width			VI Dimensions Series 14 Aluminum		
in.	mm	in.	mm	Catalog No.	A	B	C
12	305	6	152	(Pre)-06-45(*)12	$16\frac{3}{8}$" (416)	$6\frac{3}{4}$" (171)	$9\frac{9}{16}$" (243)
		9	228	(Pre)-09-45(*)12			
		12	305	(Pre)-12-45(*)12			
		18	457	(Pre)-18-45(*)12			
		24	609	(Pre)-24-45(*)12			
		30	762	(Pre)-30-45(*)12			
		36	914	(Pre)-36-45(*)12			
24	609	6	152	(Pre)-06-45(*)24	$24\frac{7}{8}$" (632)	$10\frac{1}{4}$" (260)	$14\frac{9}{16}$" (370)
		9	228	(Pre)-09-45(*)24			
		12	305	(Pre)-12-45(*)24			
		18	457	(Pre)-18-45(*)24			
		24	609	(Pre)-24-45(*)24			
		30	762	(Pre)-30-45(*)24			
		36	914	(Pre)-36-45(*)24			

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.

VO Dimensions All Series 1

Bend Radius R	A	B	C
45° Vertical Bend			
12" (305)	$13\frac{5}{8}$" (346)	$5\frac{5}{8}$" (143)	8" (203)
24" (609)	$22\frac{1}{16}$" (560)	$9\frac{1}{8}$" (232)	$12\frac{15}{16}$" (328)

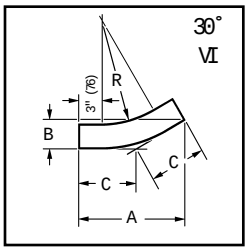
45° Vertical Inside Bend - Steel

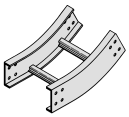
Bend Radius R		Tray Width			VI Dimensions											
					Series 14 Steel			Series 15 Steel			Series 16 Steel			Series 17 Steel		
in.	mm	in.	mm	Catalog No.	A	B	C	A	B	C	A	B	C	A	B	C
12	305	6	152	(Pre)-06-45(*)12	$16\frac{3}{16}$" (411)	$6\frac{11}{16}$" (170)	$9\frac{1}{2}$" (241)	$16\frac{9}{16}$" (420)	$6\frac{7}{8}$" (174)	$9\frac{11}{16}$" (246)	$17\frac{1}{4}$" (438)	$7\frac{3}{16}$" (182)	$10\frac{1}{8}$" (257)	18" (457)	$7\frac{7}{16}$" (189)	$10\frac{9}{16}$" (268)
		9	228	(Pre)-09-45(*)12												
		12	305	(Pre)-12-45(*)12												
		18	457	(Pre)-18-45(*)12												
		24	609	(Pre)-24-45(*)12												
		30	762	(Pre)-30-45(*)12												
		36	914	(Pre)-36-45(*)12												
24	609	6	152	(Pre)-06-45(*)24	$24\frac{11}{16}$" (627)	$10\frac{3}{16}$" (259)	$14\frac{7}{16}$" (367)	$25\frac{1}{16}$" (662)	$10\frac{3}{8}$" (263)	$11\frac{14}{16}$" (373)	$25\frac{3}{4}$" (654)	$10\frac{11}{16}$" (271)	$15\frac{1}{16}$" (382)	$26\frac{1}{2}$" (673)	11" (279)	$15\frac{1}{2}$" (394)
		9	228	(Pre)-09-45(*)24												
		12	305	(Pre)-12-45(*)24												
		18	457	(Pre)-18-45(*)24												
		24	609	(Pre)-24-45(*)24												
		30	762	(Pre)-30-45(*)24												
		36	914	(Pre)-36-45(*)24												

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.
All dimensions in parenthesis are millimeters unless otherwise specified.
Manufacturing tolerances apply to all dimensions.

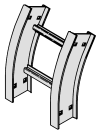
Vertical Bend 30° (VO, VI)

1 pair splice plates with hardware included.

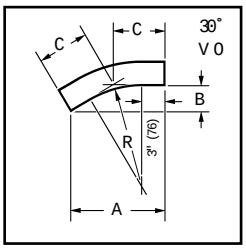




30° Vertical Inside - Steel



30° Vertical Outside - Aluminum



30° Vertical Inside Bend - Aluminum

Bend Radius R in.	Bend Radius R mm	Tray Width in.	Tray Width mm	Catalog No.	VI Dimensions Series 14 Aluminum A	B	C
		6	152	(Pre)-06-30(*)12			
		9	228	(Pre)-09-30(*)12			
		12	305	(Pre)-12-30(*)12	30 9/16"	3 9/16"	7 1/4"
12	305	18	457	(Pre)-18-30(*)12			
		24	609	(Pre)-24-30(*)12	(344)	(90)	(184)
		30	762	(Pre)-30-30(*)12			
		36	914	(Pre)-36-30(*)12			
		6	152	(Pre)-06-30(*)24			
		9	228	(Pre)-09-30(*)24			
		12	305	(Pre)-12-30(*)24	19 9/16"	5 3/16"	10 7/16"
24	609	18	457	(Pre)-18-30(*)24			
		24	609	(Pre)-24-30(*)24	(643)	(368)	(425)
		30	762	(Pre)-30-30(*)24			
		36	914	(Pre)-36-30(*)24			

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.

VO Dimensions All Series 1

Bend Radius R	A	B	C
30° Vertical Bend			
12"	11 5/8"	3 1/8"	6 3/16"
305	295	79	157
24"	17 5/8"	4 11/16"	9 7/16"
609	448	119	240

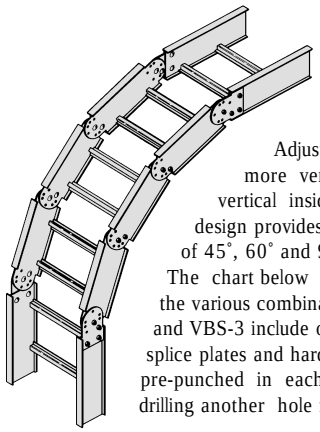
30° Vertical Inside Bend - Steel

Bend Radius R in.	Bend Radius R mm	Tray Width in.	Tray Width mm	Catalog No.	VI Dimensions Series 14 Steel A	B	C	Series 15 Steel A	B	C	Series 16 Steel A	B	C	Series 17 Steel A	B	C
		6	152	(Pre)-06-30(*)12												
		9	228	(Pre)-09-30(*)12												
		12	305	(Pre)-12-30(*)12	13 7/16"	3 5/8"	7 3/16"	13 11/16"	3 11/16"	7 5/16"	14 3/16"	3 13/16"	7 5/8"	14 11/16"	3 15/16"	7 7/8"
12	305	18	457	(Pre)-18-30(*)12												
		24	609	(Pre)-24-30(*)12	(341)	(92)	(182)	(347)	(93)	(186.2)	(360)	(97)	(193)	(373)	(100)	(200)
		30	762	(Pre)-30-30(*)12												
		36	914	(Pre)-36-30(*)12												
		6	152	(Pre)-06-30(*)24												
		9	228	(Pre)-09-30(*)24												
		12	305	(Pre)-12-30(*)24	19 7/16"	5 3/16"	10 7/16"	19 11/16"	5 5/16"	10 9/16"	20 3/16"	5 7/16"	10 13/16"	20 11/16"	5 9/16"	11 1/16"
24	609	18	457	(Pre)-18-30(*)24												
		24	609	(Pre)-24-30(*)24	(494)	(132)	(265)	(500)	(135)	(268)	(513)	(138)	(274)	(525)	(141)	(281)
		30	762	(Pre)-30-30(*)24												
		36	914	(Pre)-36-30(*)24												

(Pre) See page 68 for catalog number prefix.
(*) = Insert VI for Vertical Inside Bend. Insert VO for Vertical Outside Bend.
All dimensions in parenthesis are millimeters unless otherwise specified.
Manufacturing tolerances apply to all dimensions.

Vertical Bend Segments (VBS)

Available for 14A, 148P and 148G only.

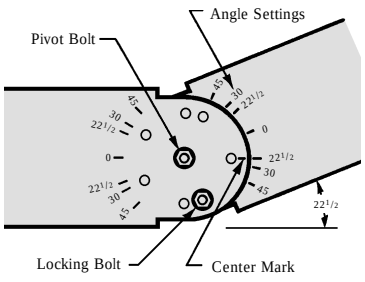


Adjustable Vertical Bends are made up of one or more vertical bend segments and can be used as a vertical inside (VI) or vertical outside (VO) bend. This design provides for vertical changes in direction with angles of 45˚, 60˚ and 90˚ for 12" (305mm) or 24" (609mm) radius. The chart below shows the number of segments required for the various combinations of angles and radii. The VBS-1, VBS-2 and VBS-3 include one, two or three segments respectively with splice plates and hardware. Holes for setting standard angles are pre-punched in each segment. Other angles can be set by field drilling another hole for the locking bolt.

Nominal Bend Radius		Catalog No.	Dimensions											
			VO						VI					
			A		B		R		A		B		R	
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
90˚ Vertical Inside or Outside														
12	305	**14(*)†-(W)-VBS-1**	8 1/4	210	8 1/4	210	6 1/2	165	12 1/8	303	12 1/8	303	10 1/2	267
24	609	**14(*)†-(W)-VBS-3**	24	610	24	610	22 1/4	565	27 7/8	708	27 7/8	708	26 1/4	667
60˚ Vertical Inside or Outside														
12	305	**14(*)†-(W)-VBS-1**	11 3/4	298	6 1/2	165	12	305	14 3/4	375	8 1/2	216	16	406
24	609	**14(*)†-(W)-VBS-2**	11 3/4	298	6 1/2	165	12	305	14 3/4	375	8 1/2	216	16	406
45˚ Vertical Inside or Outside														
12	305	**14(*)†-(W)-VBS-1**	12 3/4	324	5 1/4	133	17 1/8	435	15 1/2	394	6 7/8	175	21	540
24	609	**14(*)†-(W)-VBS-1**	12 3/4	324	5 1/4	133	17 1/8	435	15 1/2	394	6 7/8	175	21	540

Notes:
1. (*) Insert material type: A=Aluminum, P= Pre Galvanized, G= HDGAF
2. (†) Contact home office for information on Ventilated Trough and Solid Trough availability
3. (W) Insert width 6, 9, 12, 18, 24, 30, 36
4. For 30˚ Vertical Bends, use Vertical Adjustable Splice Plates (9A-0024) (9ZN-7024) (9G-7024)

Fitting Hole Pattern



Setting the Angle

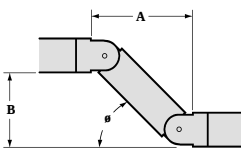
To find correct angle setting, divide angle of offset by the number of segments plus one. The result is equal to the angle setting stamped on the vertical bend segment and the splice plate. After inserting center pivot bolt, align the mark at the end of the segment or splice plate with the angle and insert locking bolt in the pre-punched hole.

Example: 90˚ bend, 24" radius requires 3 segments
3 segments + 1 = 4
90˚ divided by 4 = 22 1/2˚
Set all vertical segments at 22 1/2˚

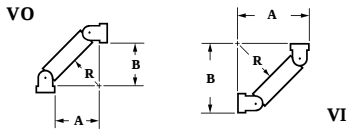
Offset Dimensions

One vertical bend segment can be used to complete a vertical offset. Offset dimensions are shown.

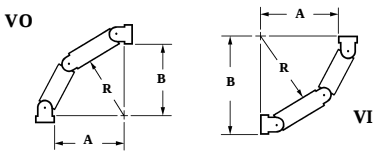
Angle ø	A		B	
	in.	mm	in.	mm
45˚	12	305	8 1/2	216
30˚	14	355	5 3/4	146
22 1/2˚	14 1/4	362	5	127



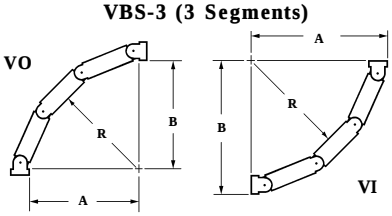
VBS-1 (1 Segment)



VBS-2 (2 Segments)



VBS-3 (3 Segments)



All dimensions in parenthesis are millimeters unless otherwise specified.

Notes

Series 2,3&4 Aluminum-Straight Sections

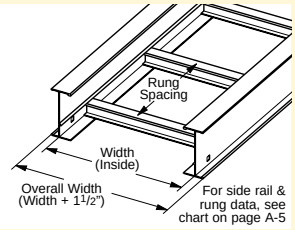
3" NEMA VE-1 Loading Depth

Straight Section Part Numbering

Prefix

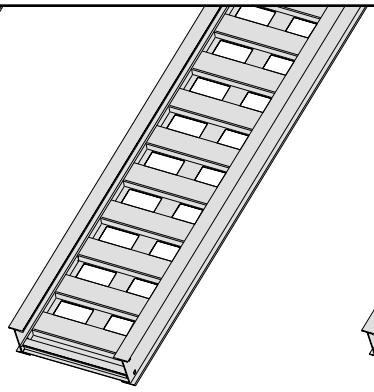
Example: 24 A 09 - 24 - 144

Series	Material	*Type	*Width	Length
24	A = Aluminum	**Ladder-**	06 = 6"	144 = 12 ft.
M24	APVC = Aluminum,	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
34	PVC Coated	09 = 9" rung spacing	12 = 12"	288 = 24 ft.
		12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
			30 = 30"	
		Trough-	36 = 36"	
		6" thru 36" wide		
		VT = Vented Trough		
		ST = Solid Trough		
		6" and Wider		
		04 = Vented Bottom		
		SB = Solid Bottom		

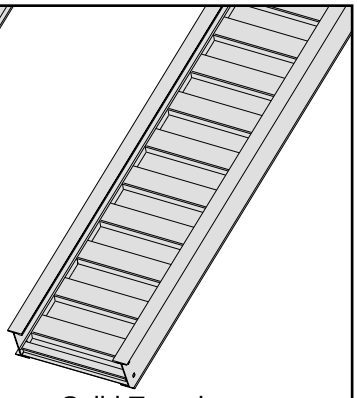


See page A-1, for additional rung options. *Special sizes available.

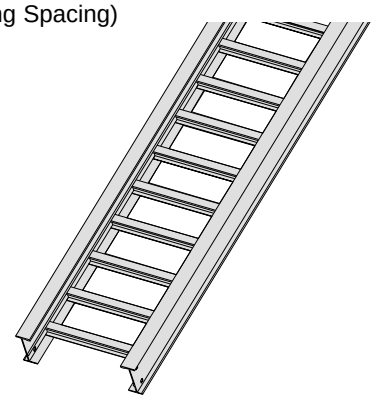
Ladder Type
(Specify Rung Spacing)



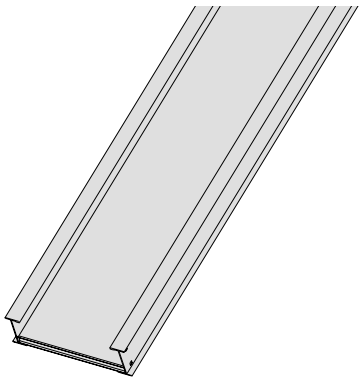
Ventilated Trough



Solid Trough



Vented Bottom



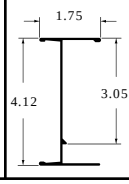
Solid Bottom

Series 2,3&4 Aluminum-Straight Sections

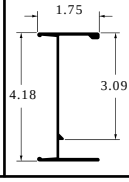
3” NEMA VE-1 Loading Depth

Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

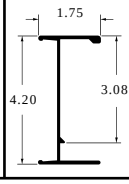
Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
24		NEMA: 16A, 12C CSA: D1-3m UL Cross-Sectional Area:1.00 in^2	6 8 10 12 14 16	487* 284 181 126 88 65	0.0011 0.0036 0.008 0.018 0.033 0.056	 Area=1.05 in^2 Sx=1.34 in^3 Ix=2.85 in^4	1.8 2.4 3.0 3.7 4.3 4.9	725* 423 269 187 131 97	0.0188 0.0614 0.1484 0.307 0.563 0.955	 Area=6.77 cm^2 Sx=21.96 cm^3 Ix=118.65 cm^4

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.
* When using 18” rung spacing, load capacity is limited to 394 lbs/ft (586 kg/m) for 30” tray width and 325 lbs/ft (483 kg/m) for 36” tray width.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
M24		NEMA: 20A, 16B CSA: E-3m, D1-6m UL Cross-Sectional Area: 1.50 in^2	10 12 14 16 18 20	223 155 114 87 69 56	0.0062 0.013 0.024 0.041 0.065 0.100	 Area=1.42 in^2 Sx=1.67 in^3 Ix=3.86 in^4	3.0 3.7 4.3 4.9 5.5 6.1	332 231 170 129 103 83	0.1058 0.222 0.409 0.700 1.109 1.706	 Area=9.16 cm^2 Sx=27.37 cm^3 Ix=160.69 cm^4

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
34		NEMA: 20B, 16C CSA: E-6m UL Cross-Sectional Area: 1.50 in^2	10 12 14 16 18 20	325 223 164 126 99 80	0.0049 0.010 0.019 0.032 0.051 0.078	 Area=1.82 in^2 Sx=2.10 in^3 Ix=4.98 in^4	3.0 3.7 4.3 4.9 5.5 6.1	469 332 244 187 103 119	0.0836 0.071 0.324 0.546 1.870 1.331	 Area=11.74 cm^2 Sx=34.42 cm^3 Ix=207.32 cm^4

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3&4 Aluminum-Straight Sections

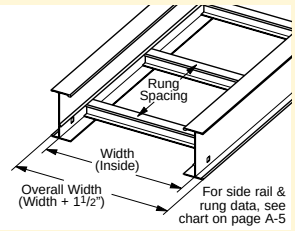
4" NEMA VE-1 Loading Depth

Straight Section Part Numbering

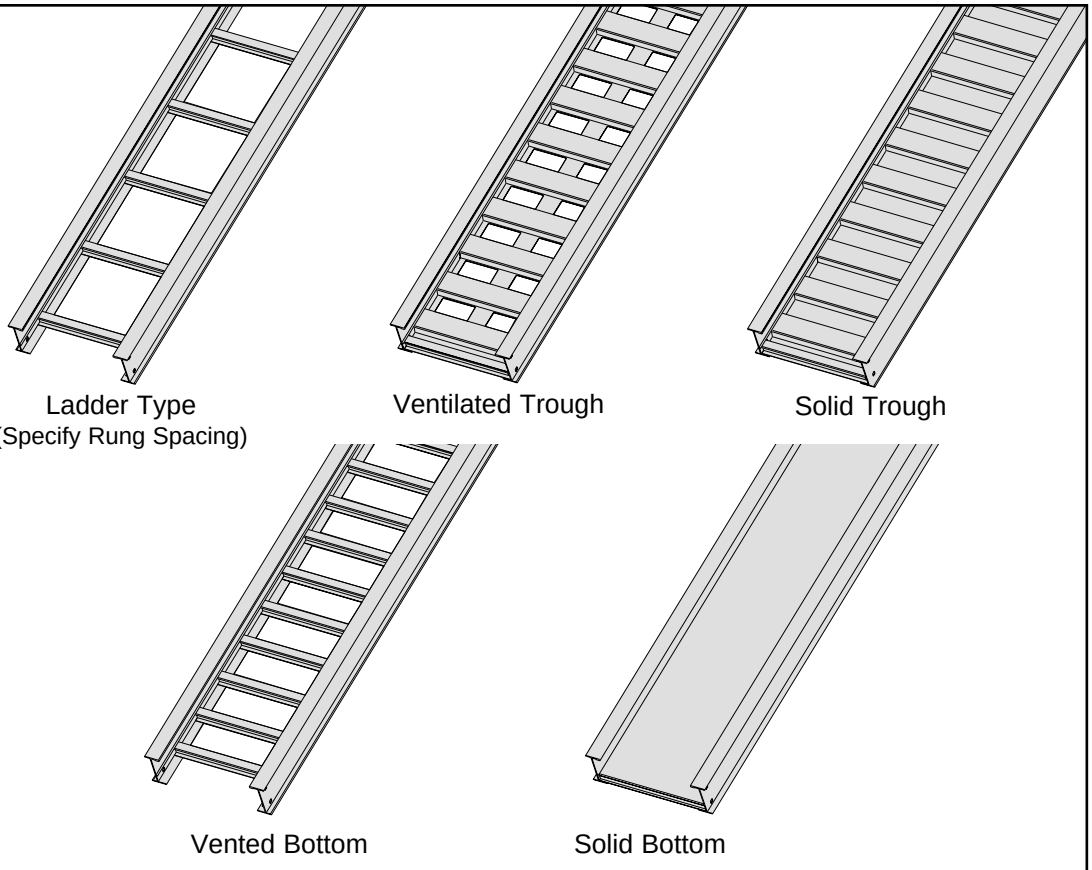
Prefix

Example: 25 A 09 - 24 - 144

Series	Material	*Type	*Width	Length
25	A = Aluminum	**Ladder-**	06 = 6"	144 = 12 ft.
35	APVC = Aluminum, PVC Coated	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
		09 = 9" rung spacing	12 = 12"	288 = 24 ft.
		12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
			30 = 30"	
		Trough-	36 = 36"	
		6" thru 36" wide		
		VT = Vented Trough		
		ST = Solid Trough		
		6" and Wider		
		04 = Vented Bottom		
		SB = Solid Bottom		



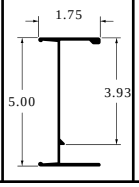
See page A-1, for additional rung options. *Special sizes available.



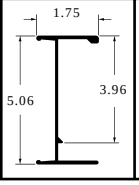
4” NEMA VE-1 Loading Depth

Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12" centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
25		NEMA: 16B, 12C CSA: D1-6m UL Cross-Sectional Area: 1.00 in²	8 10 12 14 16 18	304 195 135 99 76 60	0.0020 0.0048 0.010 0.018 0.032 0.050	 Area=1.24 in² Sx=1.80 in³ Ix=4.62 in⁴	2.4 3.0 3.7 4.3 4.9 5.5	452 290 201 147 113 89	0.0341 0.1484 0.171 0.563 1.546 0.853	 Area=8.00 cm² Sx=29.50 cm³ Ix=192.33 cm⁴

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
35		NEMA: 20A, 16C CSA: E-3m UL Cross-Sectional Area: 1.50 in²	10 12 14 16 18 20	266 185 136 104 82 67	0.0036 0.0074 0.014 0.024 0.038 0.057	 Area=1.67 in² Sx=2.35 in³ Ix=6.37 in⁴	3.0 3.7 4.3 4.9 5.5 6.1	396 275 202 155 122 100	0.0614 0.1263 0.239 0.409 0.648 0.973	 Area=10.77 cm² Sx=38.52 cm³ Ix=265.18 cm⁴

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3&4 Aluminum-Straight Sections

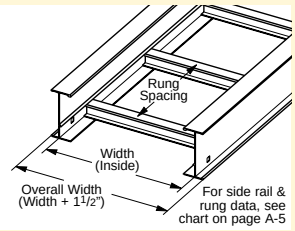
5” NEMA VE-1 Loading Depth

Straight Section Part Numbering

Prefix

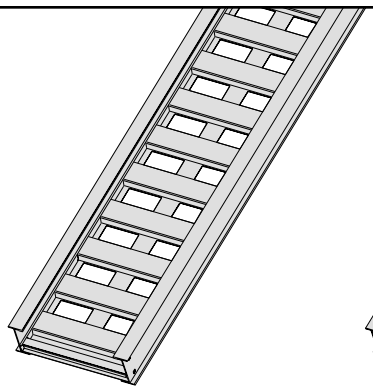
Example: 26 A 09 - 24 - 144

Series	Material	*Type	*Width	Length
26	A = Aluminum	**Ladder-**	06 = 6”	144 = 12 ft.
36	APVC = Aluminum,	06 = 6” rung spacing	09 = 9”	120 = 10 ft.
46	PVC Coated	09 = 9” rung spacing	12 = 12”	288 = 24 ft.
M46		12 = 12” rung spacing	18 = 18”	240 = 20 ft.
H46			24 = 24”	
			30 = 30”	
		Trough-	36 = 36”	
		6” thru 36” wide		
		VT = Vented Trough		
		ST = Solid Trough		
		6” and Wider		
		04 = Vented Bottom		
		SB = Solid Bottom		

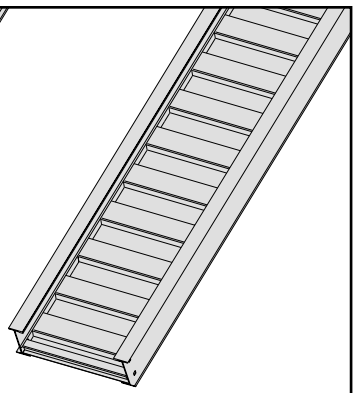


See page A-1, for additional rung options. *Special sizes available.

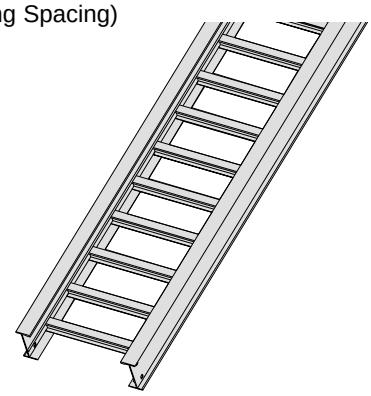
Ladder Type
(Specify Rung Spacing)



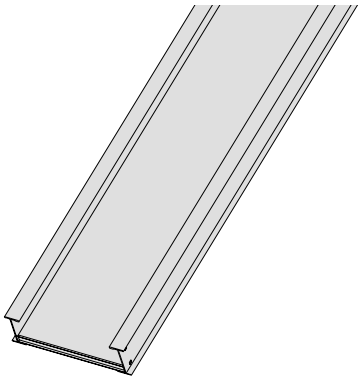
Ventilated Trough



Solid Trough



Vented Bottom



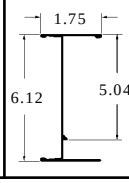
Solid Bottom

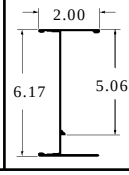
Series 2,3&4 Aluminum-Straight Sections

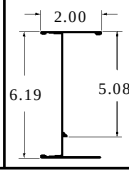
5” NEMA VE-1 Loading Depth

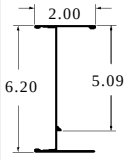
Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support, without collapse, a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

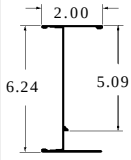
Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
26		NEMA: 20A, 16B CSA: D1-6m UL Cross-Sectional Area: 1.00 in²	10 12 14 16 18 20	204 142 104 80 63 51	0.0029 0.0061 0.011 0.019 0.031 0.047	Area=1.41 in² Sx=2.53 in³ Ix=7.915 in⁴	3.0 3.7 4.3 4.9 5.5 6.1	304 211 155 119 94 76	0.0495 0.1041 0.188 0.324 0.529 0.802	Area=11.68 cm² Sx=41.47 cm³ Ix=329.29 cm⁴

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
36		NEMA: 20B, 16C CSA: E-6m UL Cross-Sectional Area: 1.50 in²	12 14 16 18 20 22	233 171 131 104 84 69	0.0044 0.0081 0.014 0.022 0.034 0.049	Area=1.81 in² Sx=3.36 in³ Ix=10.85 in⁴	3.7 4.3 4.9 5.5 6.1 6.7	347 254 195 155 125 103	0.0751 0.1382 0.239 0.375 0.580 0.836	Area=11.68 cm² Sx=55.07 cm³ Ix=451.69 cm⁴

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
46		NEMA: 20C CSA: N/A UL Cross-Sectional Area: 1.50 in²	14 16 18 20 22 24	211 161 128 103 85 72	0.0079 0.013 0.021 0.033 0.048 0.068	Area=2.06 in² Sx=3.59 in³ Ix=12.18 in⁴	4.3 4.9 5.5 6.1 6.7 7.3	314 240 190 153 126 107	0.1348 0.2218 0.358 0.563 0.819 1.160	Area=13.29 cm² Sx=58.84 cm³ Ix=507.05 cm⁴

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
M46		NEMA: 20C+ CSA: N/A UL Cross-Sectional Area: 2.00 in²	14 16 18 20 22 24	238 182 144 117 96 81	0.0074 0.013 0.020 0.031 0.045 0.064	Area=2.23 in² Sx=3.78 in³ Ix=12.72 in⁴	4.3 4.9 5.5 6.1 6.7 7.3	354 271 214 174 143 121	0.1263 0.2218 0.341 0.529 0.768 1.092	Area=14.39 cm² Sx=61.95 cm³ Ix=529.53 cm⁴

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
H46		NEMA: 20C+ CSA: N/A UL Cross-Sectional Area: 2.00 in²	14 16 18 20 22 24	325 260 206 167 138 116	0.0050 0.0085 0.014 0.021 0.030 0.043	Area=2.95 in² Sx=5.33 in³ Ix=17.30 in⁴	4.3 4.9 5.5 6.1 6.7 7.3	483 387 307 248 205 173	0.0853 0.1450 0.239 0.358 0.512 0.734	Area=19.03 cm² Sx=87.36 cm³ Ix=720.20 cm⁴

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3&4 Aluminum-Straight Sections

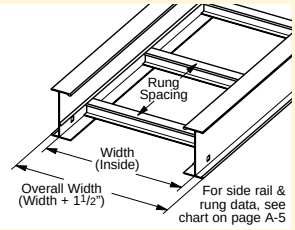
6” NEMA VE-1 Loading Depth

Straight Section Part Numbering

Prefix

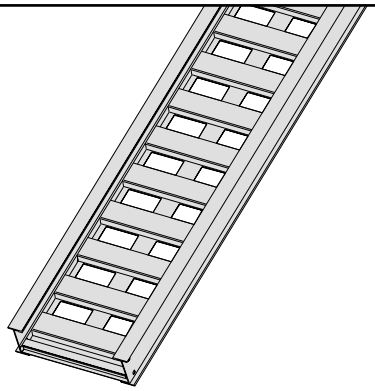
Example: 37 A 09 - 24 - 144

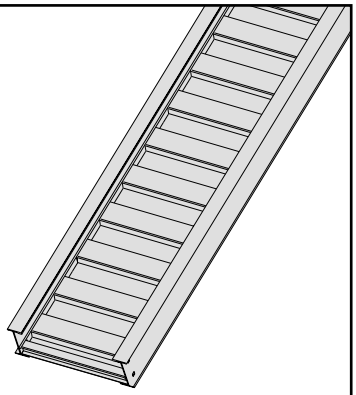
Series	Material	*Type	*Width	Length
37	A = Aluminum	**Ladder-**	06 = 6”	144 = 12 ft.
47	APVC = Aluminum, PVC Coated	06 = 6” rung spacing	09 = 9”	120 = 10 ft.
		09 = 9” rung spacing	12 = 12”	288 = 24 ft.
		12 = 12” rung spacing	18 = 18”	240 = 20 ft.
			24 = 24”	
			30 = 30”	
		Trough-	36 = 36”	
		6” thru 36” wide		
		VT = Vented Trough		
		ST = Solid Trough		
		6” and Wider		
		04 = Vented Bottom		
		SB = Solid Bottom		

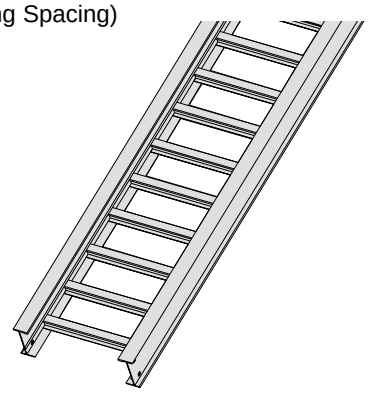


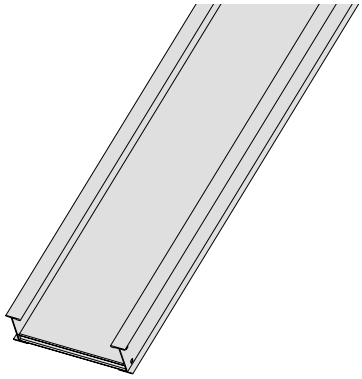
See page A-1, for additional rung options. *Special sizes available.

Ladder Type
(Specify Rung Spacing)


Ventilated Trough


Solid Trough


Vented Bottom

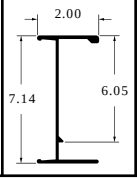

Solid Bottom

Series 2,3&4 Aluminum-Straight Sections

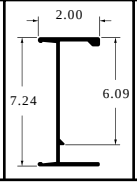
6” NEMA VE-1 Loading Depth

Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
37		NEMA: 20B, 16C CSA: N/A UL Cross-Sectional Area: 1.50 in^2	12	222	0.0036		3.7	330	0.0614	
			14	163	0.0065	Area=1.81 in^2	4.3	243	0.1109	Area=11.68 cm^2
			16	125	0.011	Sx=3.77 in^3	4.9	186	0.188	Sx=61.79 cm^3
			18	99	0.018	Ix=13.50 in^4	5.5	147	0.307	Ix=562.01 cm^4
			20	80	0.027		6.1	119	0.461	
			22	66	0.040		6.7	98	0.682	

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

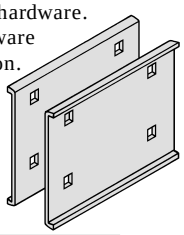
B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
47		NEMA: 20C+ CSA: N/A UL Cross-Sectional Area: 2.00 in^2	14	303	0.0041		4.3	451	0.0700	
			16	232	0.0071	Area=3.04 in^2	4.9	345	0.1211	Area=19.61 cm^2
			18	184	0.011	Sx=6.10 in^3	5.5	274	0.188	Sx=99.98 cm^3
			20	149	0.017	Ix=22.91 in^4	6.1	222	0.290	Ix=953.74 cm^4
			22	123	0.025		6.7	183	0.427	
			24	103	0.036		7.3	153	0.614	

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3&4 Aluminum-Accessories

Wedge Lock Splice Plates
(Excluding H46 Series)

- Standard 4-hole pattern (except 9A-1007).
- Furnished in pairs, with hardware.
- One pair including hardware provided with each section.
- Prepackaged in pairs with hardware.

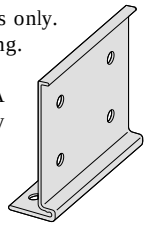


Note: 9A-1007 splice plates have an 8-hole pattern.

Catalog No.	Height	
	in.	mm
9A-1004	4	101
9A-1005	5	127
9A-1006	6	152
9A-1007	7	178

H46A Mid-Span Splice

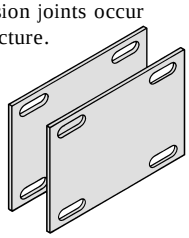
- Standard for H46A straight sections.
- Mid-Span 20 ft. simple beam test.
  - 135 lbs/ft (safety factor 1.5) tested with H46A
  - 101 lbs/ft (safety factor 2.0) tested with H46A
- Six bolt design 1/2" Stainless Steel Type 316 hardware standard.
- Available on ladder bottoms only.
  - 09 and 12" rung spacing.
- The 9A-6006 splice is also available with B-Line's 46A and M46A series cable tray systems order special.
- See appendix page A-2 for H46 splice plate 9A-6006.



Catalog No.	9A-6006

Expansion Splice Plates

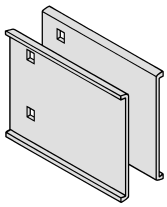
- Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints occur in the supporting structure.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required. Order Separately.**



Catalog No.	Height	
	in.	mm
9A-1014	4	101
9A-1015	5	127
9A-1016	6	152
9A-1017	7	178

Universal Splice Plates

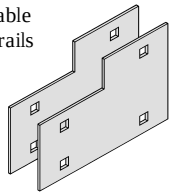
- Used to splice to existing cable tray systems.
- Furnished in pairs with hardware.



Catalog No.	Height	
	in.	mm
9A-1004-1/2	4	101
9A-1005-1/2	5	127
9A-1006-1/2	6	152
9A-1007-1/2	7	178

Step Down Splice Plates

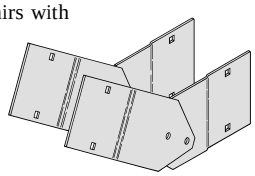
- These splice plates are offered for connecting cable tray sections having siderails of different heights.
- Furnished in pairs with hardware.



Catalog No.	Height	
	in.	mm
9A-1045	5 to 4	127 to 101
9A-1046	6 to 4	152 to 101
9A-1060	6 to 5	152 to 127
9A-1047	7 to 4	178 to 101
9A-1061	7 to 5	178 to 127
9A-1062	7 to 6	178 to 152

Vertical Adjustable Splice Plates

- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.

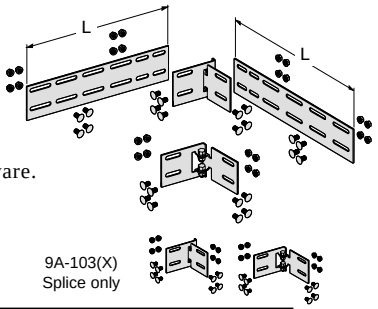


Catalog No.	Height	
	in.	mm
9A-1024	4	101
9A-1025	5	127
9A-1026	6	152
9A-1027	7	178

Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.
- (X) Insert 4, 5, 6 or 7 for siderail height.

9A-103(X)-12 or 9A-103(X)-36
One pair splice plates with extensions.

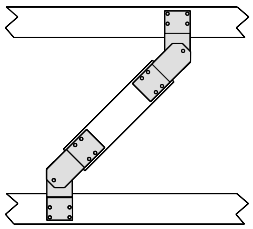


9A-103(X)
Splice only

Catalog No.	Cable Tray End Cut	Tray Width	'L'
9A-103(X)	Mitered	Thru 36"	N/A
9A-103(X)-12	Not mitered	Thru 12"	16"
9A-103(X)-36	Not mitered	Thru 36"	41"

Branch Pivot Connectors

- Branch from existing cable tray runs at any point.
- Pivot to any required angle.
- Can be used with vertical adjustable splice plates to form vertical tees or wyes.
- UL Classified for grounding (bonding jumper not required).
- Furnished in pairs with hardware.

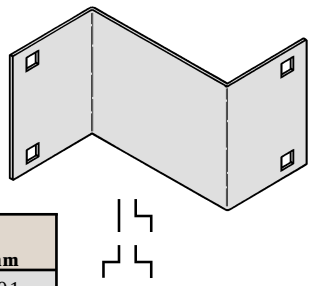


Catalog No.	Height	
	in.	mm
9A-2044	4	101
9A-2045	5	127
9A-2046	6	152
9A-2047	7	178

Series 2,3&4 Aluminum-Accessories

Offset Reducing Splice Plate

- This plate is used for joining cable trays having different widths. When used in pairs they form a straight reduction; when used singly with a standard splice plate, they form an offset reduction.
- Furnished as one plate with hardware.
- R = reduction



Catalog No.	Height in.	Height mm
9A-1064-R	4	101
9A-1065-R	5	127
9A-1066-R	6	152
9A-1067-R	7	178

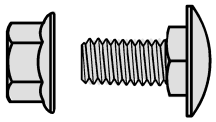
Tray Hardware

Standard Tray Hardware

Catalog No. SNCB 3/8 x 3/4 Znplt Square Neck Carriage Bolt ASTM A307 Grade A

Catalog No. SFHN 3/8 Znplt Serrated Flange Hex Nut ASTM A563 Grade A

Finish: Zinc Plated ASTM B633, SC1

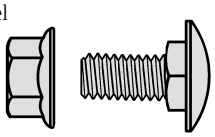


Optional Tray Hardware

Catalog No. SNCB 3/8 x 3/4 SS6 Square Neck Carriage Bolt AISI 316 Stainless Steel

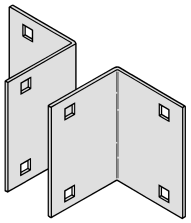
Catalog No. SFHN 3/8 SS6 Serrated Flange Hex Nut AISI 316 Stainless Steel

To order optional 316 Stainless Steel hardware add SS6 suffix to part number
Example: 9A-1004SS6



Tray to Box Splice Plates

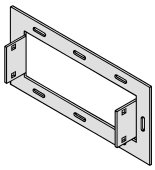
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.



Catalog No.	Height in.	Height mm
9A-1054	4	101
9A-1055	5	127
9A-1056	6	152
9A-1057	7	178

Frame Type Box Connector

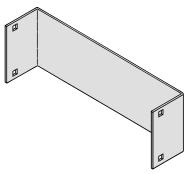
- Designed to attach the end of a cable tray run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with tray connection hardware.
- W = tray width



Catalog No.	Height in.	Height mm
9A-1074-W	4	101
9A-1075-W	5	127
9A-1076-W	6	152
9A-1077-W	7	178

Blind End

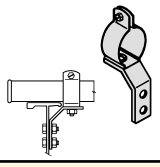
- This plate forms a closure for a dead end cable tray.
- Furnished as one plate with hardware.
- W = tray width



Catalog No.	Height in.	Height mm
9A-1084-W	4	101
9A-1085-W	5	127
9A-1086-W	6	152
9A-1087-W	7	178

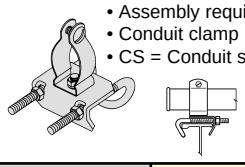
Conduit to Cable Tray Adaptors

- Assembly required.
- Mounting hardware included.
- Conduit clamps provided.
- CS = Conduit size.



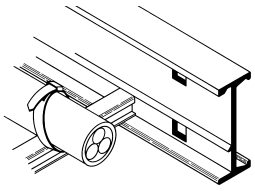
Cat. No.	9ZN-1150-CS

- Assembly required.
- Conduit clamp included.
- CS = Conduit size.



Cat. No.	9ZN-1155-CS

Cable Ties (Ladder Tray)



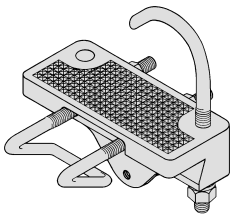
Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. is 3" (76mm).

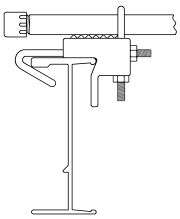
Overall Length 15"

Catalog No.	99-2125

Conduit to Cable Tray Adaptors

- For easy attachment of conduit terminating at a cable tray.
- Use on aluminum or steel cable trays.
- (*) Insert G or ZN





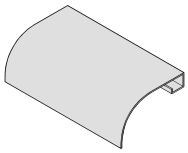
Aluminum I-Beam

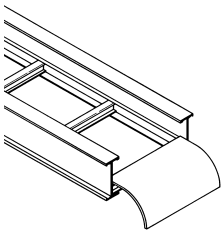
Catalog No.	Conduit Size in.	Conduit Size mm
9(*)-1158-1/2, 3/4	1/2, 3/4	15, 20
9(*)-1158-1, 1 1/4	1, 1 1/4	25, 32
9(*)-1158-1 1/2, 2	1 1/2, 2	40, 50
9(*)-1158-2 1/2, 3	2 1/2, 3	65, 80
9(*)-1158-3 1/2, 4	3 1/2, 4	90, 100

Series 2,3&4 Aluminum-Accessories

Ladder Drop-Out

- Specially-designed Ladder Drop-Outs provide a rounded surface with 4" (101mm) radius to protect cable as it exits from the cable tray, preventing damage to insulation. The drop-out will attach to any desired rung.
- W = tray width

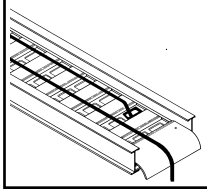


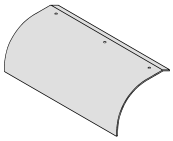


Catalog No.	9A-1104-W

Trough Drop-Out & Drop-Out Bushing

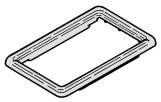
- These devices provide a rounded surface to protect cable as it exits from the trough-type cable tray.
- Hardware is included for attachment of the trough bottom drop-out.
- W = tray width





Catalog No.
9A-1104T-W

Trough-Type Drop-Out



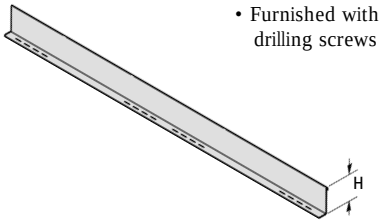
Catalog No.
99-1124

Snap-In Plastic Bushing

Barriers

Straight Sections

- Standard length: 120” (3m) 144" (12').
- Order catalog number based on loading depth.
- Furnished with four #10 x 1/2" plated self-drilling screws and a 99-9982 splice.

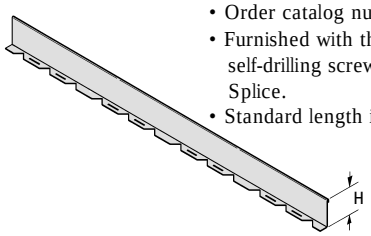


Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73A-Length	4	101	3	76
74A-Length	5	127	4	101
75A-Length	6	152	5	127
76A-Length	7	178	6	152

Length =
144 for 12’
or
120 for 10’

Horizontal Bend

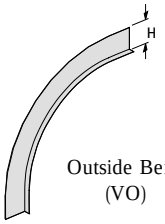
- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Cut to length.
- Order catalog number based on loading depth.
- Furnished with three #10 x 1/2” zinc plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- Standard length is 72” (6ft.), sold individually.



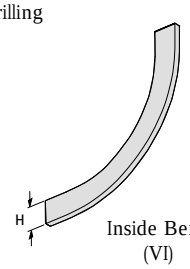
Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73A-90HBFL	4	101	3	76
74A-90HBFL	5	127	4	101
75A-90HBFL	6	152	5	127
76A-90HBFL	7	178	6	152

Vertical Bend Barriers

- Vertical Bend Barriers are preformed to conform to a specific vertical fitting.
- Furnished with three #10 x 1/2" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24, 36 or 48 for radius



Outside Bend
(VO)

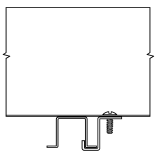


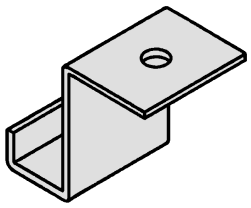
Inside Bend
(VI)

Inside Bend Catalog No.	Outside Bend Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73A-(*)VI(†)	73A-(*)VO(†)	4	101	3	76
74A-(*)VI(†)	74A-(*)VO(†)	5	127	4	101
75A-(*)VI(†)	75A-(*)VO(†)	6	152	5	127
76A-(*)VI(†)	76A-(*)VO(†)	7	178	6	152

Barrier Strip Clip

- Zinc plated steel barrier clip fastens to either aluminum or steel ladder rung.
- Furnished with one #10 x 1/2" zinc plated self-drilling screw.

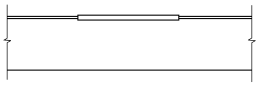


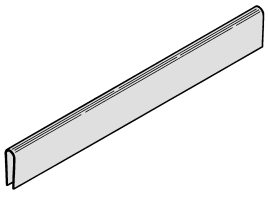


Catalog No.	9ZN-9002

Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.



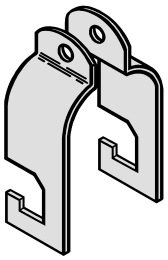


Catalog No.	99-9982

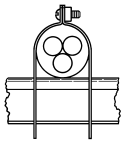
Series 2,3&4 Aluminum-Accessories

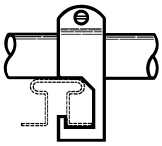
Stainless Steel Cable Clamps

- Fits with series 2, 3, & 4 rungs.
- Shipped flat. Field form around the cable at the time of installation.



Catalog No.	Cable Size in.	Cable Size mm
9SS4-4100	1.00 - 1.25	25 - 32
9SS4-4125	1.25 - 1.50	32 - 38
9SS4-4150	1.50 - 1.75	38 - 45
9SS4-4175	1.75 - 2.00	45 - 51
9SS4-4200	2.00 - 2.25	51 - 57
9SS4-4225	2.25 - 2.50	57 - 64
9SS4-4250	2.50 - 2.75	64 - 70
9SS4-4275	2.75 - 3.00	70 - 76
9SS4-4300	3.00 - 3.25	76 - 82
9SS4-4325	3.25 - 3.50	82 - 89
9SS4-4350	3.50 - 3.75	89 - 95
9SS4-4375	3.75 - 4.00	95 - 102
9SS4-4400	4.00 - 4.25	100 - 106
9SS4-4425	4.25 - 4.50	106 - 113
9SS4-4450	4.50 - 4.75	113 - 121
9SS4-4475	4.75 - 5.00	121 - 125

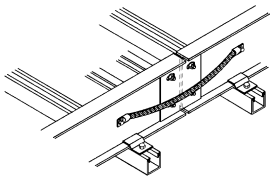




Bonding Jumper

Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground.
Sold individually.

- Hardware included.
- See table 318-7(b) (2) on page 15 for amperage ratings required to match the UL cross-sectional area of the tray.
- See tray loading chart for UL cross-sectional area.

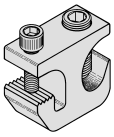


Catalog No.	Ampacity
99-1620	2000
99-40	1600

Grounding Clamps

B-Line Cable Tray is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor for additional grounding capability is desired, B-Line offers this clamp for bolting the conductor at least once to each cable tray section.

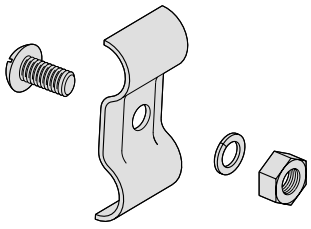
- Accepts #6 AWG to 250 MCM.



Catalog No.	Material
9A-2130	Tin Plated Aluminum

Grounding Clamps

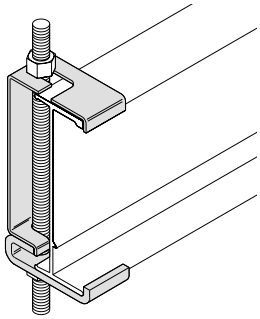
- Mechanically attaches grounding cables to cable tray.
- Hardware included.
- (*) Insert ZN or SS4



Catalog No.	Cable Size
9(*)-2351	#1 thru 2/0
9(*)-2352	3/0 thru 250 MCM

Hanger Rod Clamp

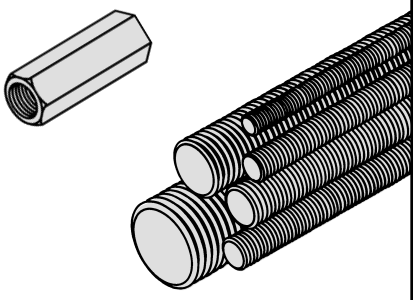
- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two-piece "J"-hanger design.
- 1500 lbs./pair capacity safety factor 3.
- (*) Insert ZN or G



Catalog No.	Rail Height in.	Rail Height mm
9(*)-5324	4	101
9(*)-5325	5	127
9(*)-5326	6	152
9(*)-5327	7	178

Threaded Rod (ATR) & Rod Couplings

Size	Loading lbs	Catalog No.	Available Lengths	Coupling Cat. No.
3/8-16	610	ATR 3/8 x Length	36",72",120",144"	B655-3/8
1/2-13	1130	ATR 1/2 x Length	36",72",120",144"	B655-1/2

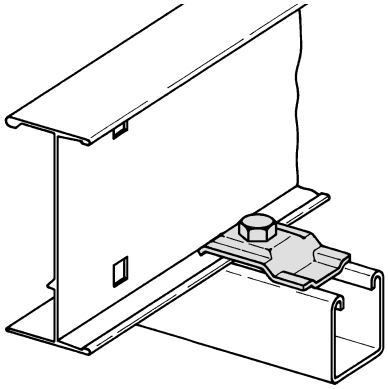


All dimensions in shaded areas are millimeters unless otherwise specified.

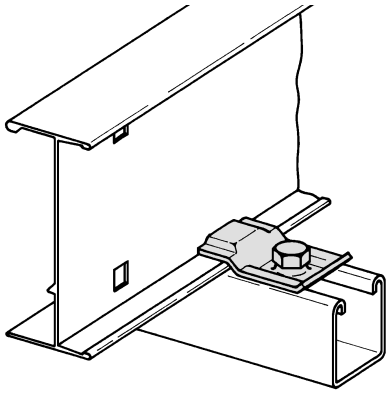
Loading based on safety factor 5.
Standard Finish: Zinc plated
See B-Line Strut Systems Catalog for other sizes and finishes.

Cable Tray Clamp/Guide

- Features a no-twist design.
- Has four times the strength of the traditional design.
- Each side is labeled to ensure proper installation.
- Designed for either 3/8" or 1/2" hardware.
- Furnished in pairs, with or without hardware (see chart).



Installed as a clamp.



Installed as a guide.

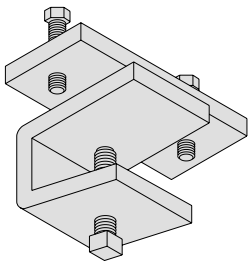
Patent # RE35479

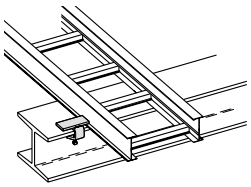
Note: For heavy duty applications see 9(*)-1241 or 9(*)-1242 page 93.

Catalog No.	Hardware Information	Finish
9ZN-1208NB	For 3/8" hardware, included.	ZnPltd
9ZN-1208	For 3/8" hardware, not included.	ZnPltd
9ZN-1205	For 1/2" hardware, not included.	ZnPltd
9G-1205	For 1/2" hardware, not included.	HDGAF
9SS6-1205	For 1/2" hardware, not included.	316SS
9A-1205	For 1/2" hardware, not included.	Alum.

Cable Tray Clamp

- Hold-down clamps for single or double cable tray runs.
- No drilling of support I-beam or channel is required.
- Sold in pieces - two clamps are required per tray.
- Maximum beam flange thickness 1 1/8" (28.58mm).

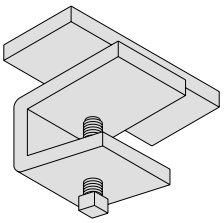




Catalog No.	Finish
9ZN-1249HD	Zinc Plated
9G-1249HD	HDGAF

Cable Tray Guide

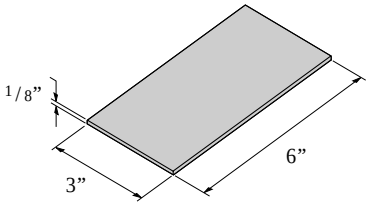
- Expansion guide for single or double cable tray runs.
- Guide allows for longitudinal movement of the cable tray.
- No field drilling of support I-beam or channel is required.
- Guides are required on both sides of cable tray to prevent lateral movement - can be placed on either the inside or outside flange of cable tray.
- Guides are sold in pieces - two guides are required per tray.
- Maximum flange thickness 1 1/8" (28.58mm).



Catalog No.	Finish
9ZN-1249	Zinc Plated
9G-1249	HDGAF

Nylon Pad

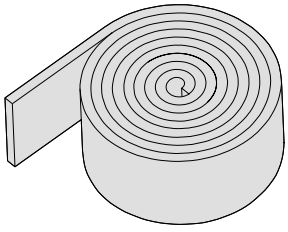
- Use for friction reduction.
- Hardness: Shore D80.
- Low friction coefficient.
- UV resistant (black).
- Excellent weatherability.
- UL - 94HB.



Catalog No.	99-NY36

Neoprene Roll

- Use for material isolation.
- 1/8" x 2" x 20' roll.
- Hardness: Shore A60.
- Good weatherability.



Catalog No.	99-NP240

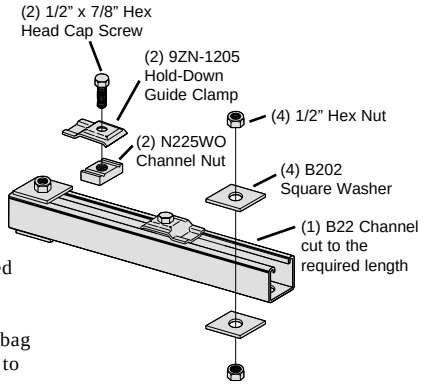
Trapeze Support Kits

B-Line's trapeze kits provide the components required for a single trapeze support in one package. These kits are available in pre-galvanized steel with zinc-plated hardware or hot dip galvanized steel with 316 stainless steel hardware.

The SH channel provides the convenience of pre-punched slots, which eliminate the need for field drilling.

The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.

Designed for use with 1/2" threaded rod. Order rod separately.



Catalog No.	Tray Width in.	Tray Width mm	Channel Length in.	Channel Length mm	Uniform Load lbs	Uniform Load kN
9(*)-5506-22SH(†)	6	152	16	406	1600	7.11
9(*)-5509-22SH(†)	9	229	18	457	1250	5.56
9(*)-5512-22SH(†)	12	305	22	559	1125	5.00
9(*)-5518-22SH(†)	18	457	28	711	865	3.85
9(*)-5524-22SH(†)	24	610	34	864	700	3.11
9(*)-5530-22SH(†)	30	762	40	1016	590	2.62
9(*)-5536-22SH(†)	36	914	46	1168	510	2.27
9(*)-5542-22SH(†)	42	1067	52	1321	450	2.00

- (†) Insert 3/8 for 3/8" threaded rod hardware.
- (*) Insert P or G

Safety factor of 3.0 on all loads.

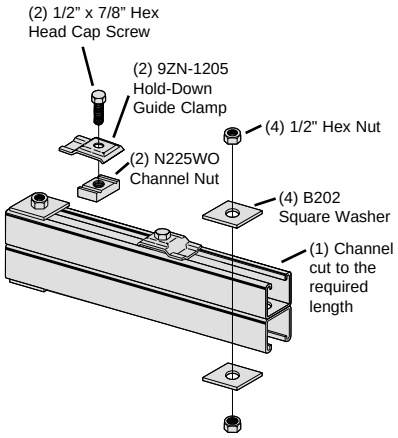
Heavy Duty Trapeze Support Kits

B-Line's trapeze kits provide the components required for a single trapeze support in one package. These kits are available in Dura-Green epoxy coated steel with zinc-plated hardware or hot dip galvanized steel with 316 stainless steel hardware.

The SH channel provides the convenience of pre-punched slots, which eliminates the need for field drilling.

The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.

Designed for use with 1/2" threaded rod. Order rod separately.

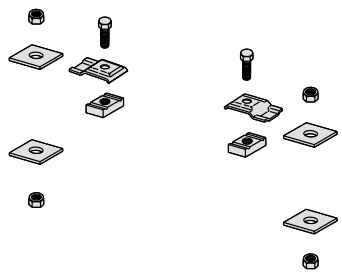


Catalog No.	Tray Width in.	Tray Width mm	Channel Length in.	Channel Length mm	Uniform Load lbs	Uniform Load kN
9(*)-5506-22SHA	6	152	16	406	1350	6.01
9(*)-5509-22SHA	9	229	18	457	1350	6.01
9(*)-5512-22SHA	12	305	22	559	1350	6.01
9(*)-5518-22SHA	18	457	28	711	1350	6.01
9(*)-5524-22SHA	24	610	34	864	1350	6.01
9(*)-5530-22SHA	30	762	40	1016	1350	6.01
9(*)-5536-22SHA	36	914	46	1168	1350	6.01
9(*)-5542-22SHA	42	1067	52	1321	1350	6.01

- (*) Insert GRN or G

Safety factor of 3.0 on all loads.

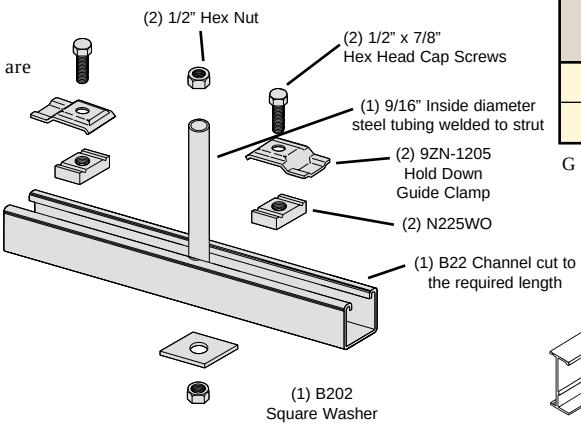
Trapeze Hardware Kit



Catalog No.	9ZN-5500-1/2	9G-5500-1/2
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2 x 7/8 pltd 2 N525 WO pltd 4 B202 pltd 1/2" sq washer 4 HN 1/2 pltd	1 pr. 9G-1205 2 HHC Screw 1/2 x 7/8 SS6 2 N525 WO SS6 4 B202 HDG 1/2" sq washer 4 HN 1/2 SS6

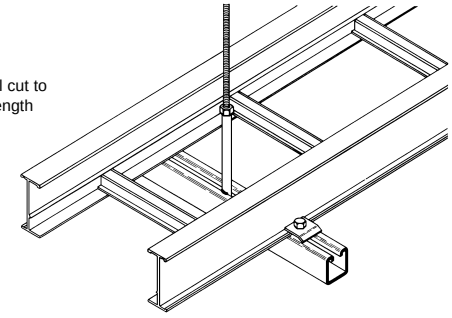
Center Hung Tray Supports

- B-Line's unique Center Hung Cable Tray Support allows cable to be laid-in from both sides.
- Eliminates costly cable pulling and field cutting of cable tray supports. Labor costs are dramatically reduced.
- Required hardware and threaded rod material for trapeze assemblies are reduced by 50%.
- Designed for use with 1/2" threaded rod. (Order rod separately)
- Use with all aluminum and steel cable trays through 24" width.
- Load capacity is 700 lbs. per support. Eccentric loading is not to exceed a 60% vs. 40% load differential.
- The maximum recommended unsupported span length is 144"/12 ft. (3.66m).
- Hardware shown is furnished.

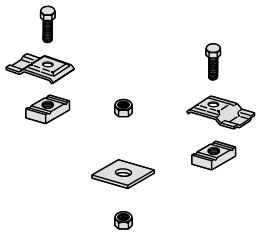


Catalog No.	Tray Width	Channel Length
9G-5212	6", 9", 12"	18"
9G-5224	18", 24"	30"

G = Hot Dip Galvanized

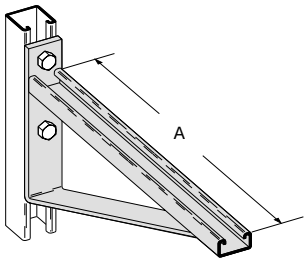


Center Hung Support Hardware Kit



Catalog No.	9ZN-5200
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2 x 7/8 pltd 2 N525 WO pltd 1 B202 pltd 1/2" sq washer 2 HN 1/2 pltd

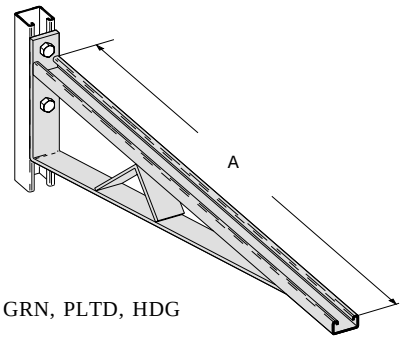
Brackets



Finishes available: GRN, PLTD, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-12	1580	7.02	6 & 9	152 & 229	12	305
B494-18	830	3.69	12	305	18	457
B494-24	830	3.69	18	457	24	610

Brackets

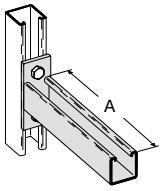


Finishes available: GRN, PLTD, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-30	750	3.33	24	610	30	762
B494-36	665	2.95	30	762	36	914
B494-42	580	2.58	36	914	42	1067
B494-48	500	2.22	42	1067	48	1219

Safety Factor of 3.0 on all loads.

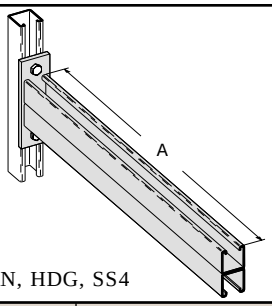
Cantilever Brackets



Finishes available: PLTD, GRN, HDG, SS4, SS6

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409-12	800	3.56	6 & 9	152 & 229	12	305
B409-18	530	2.36	12	305	18	457
B409-24	400	1.78	18	457	24	610

Cantilever Brackets



Finishes available: PLTD, GRN, HDG, SS4

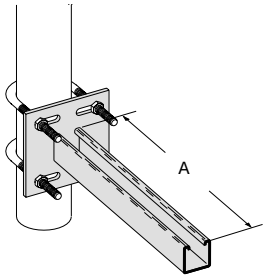
Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B297-12	1660	7.38	6 & 9	152 & 229	12	305
B297-18	1100	4.89	12	305	18	457
B297-24	835	3.71	18	457	24	610
B297-30	665	2.96	24	610	30	762
B297-37	550	2.45	30	762	36	914
B297-42	465	2.07	36	914	42	1067

Underfloor Support

Works with U-Bolts - not included

U-Bolt Size	Fits Pipe O.D.
B501-3/4	.841 - 1.050
B501-1	1.051 - 1.315
B501-1 1/4	1.316 - 1.660
B501-1 1/2	1.661 - 1.900
B501-2	1.901 - 2.375
B501-2 1/2	2.376 - 2.875

- Order properly sized U-Bolts separately.

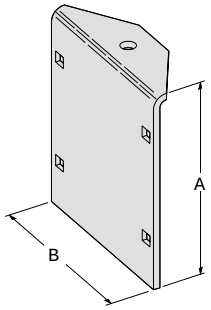


Finish available: PLTD

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409UF-12	800	3.55	6 & 9	152 & 229	12	305
B409UF-18	530	2.35	12	305	18	457
B409UF-24	400	1.78	18	457	24	610

Vertical Hanger Splice Plates

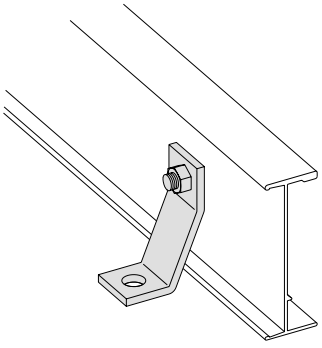
- Design load is 1500 lbs/pair.
- Shipped without hardware (use splice hardware).



Catalog No.	Outside Cable Tray Ht.	'A' in.	'A' mm	'B' in.	'B' mm
9A-1224	4"	3.88	98.43	2.84	72.23
9A-1225	5"	4.75	120.65	3.73	94.46
9A-1226	6"	5.88	149.23	4.84	123.03
9A-1227	7"	6.88	174.63	5.84	148.43

Heavy Duty Hold-Down Bracket

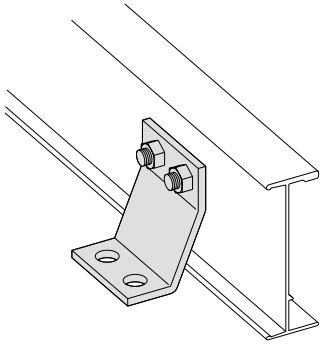
- Design load is 2000 lbs/pair.
- Two bolt design.
- Sold in pairs.
- 3/8" cable tray attachment hardware provided.
- 1/2" support attachment hardware **not** provided.
- (*) Insert ZN, SS4 or SS6



Catalog No.	9(*)-1241

Heavy Duty Hold-Down Bracket

- Design load is 4000 lbs/pair.
- Four bolt design.
- Sold in pairs.
- 3/8" cable tray attachment hardware provided
- 1/2" support attachment hardware **not** provided.
- (*) Insert ZN, SS4 or SS6



Catalog No.	9(*)-1242

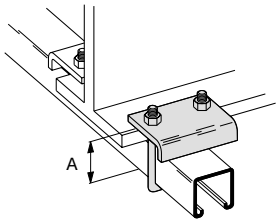
Safety Factor of 3.0 on all loads.

Series 2,3&4 Aluminum-Accessories

Beam Clamp

- Finishes available: ZN, HDG
- Sold in pieces.

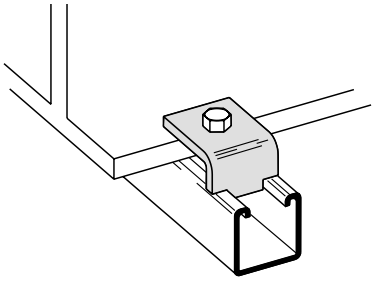
* When used in pairs.



Cat. No.	B441-22		B441-22A	
Design Load *	1275 lbs.	5.66 kN	1275 lbs.	5.66 kN
'A' Dimension	3 3/4"	95 mm	5"	127 mm

Beam Clamp B355

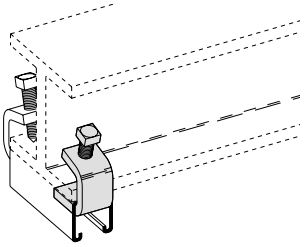
- Finishes available: ZN, HDG, GRN, SS4
- Sold in pieces.
- Design load is 1200 lbs., when used in pairs.
- Order HHCS and Channel Nuts separately.



Beam Clamp

- Finishes available: ZN, GRN, HDG
- Sold in pieces.

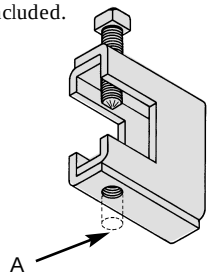
* When used in pairs.

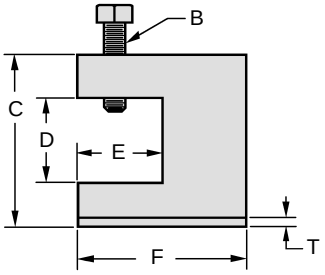


Cat. No.	B212-1/4		B212-3/8	
Design Load *	600 lbs.	2.67 kN	1000 lbs.	4.45 kN
Max. Flange Thick.	3/4"	19 mm	1 1/8"	28.6 mm
Mat'l. Thickness	1/4"	6.3 mm	3/8"	9.5 mm

B305 Thru B308 & B321 Series Beam Clamps

- Finishes available: ZN, HDG
- Setscrew included.

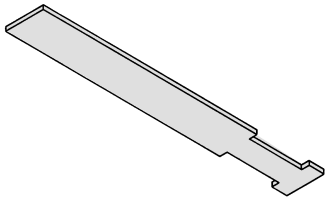




Design load safety factor of 5.

Cat. No.	Rod Size A	B	C	D	E	F	T	Design Load lbs	Design Load kN
B305	3/8"-16	3/8"-16	2 5/16"	7/8"	1 1/8"	2 1/2"	11 Ga.	600	2.67
B306	3/8"-16	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.90
B307	1/2"-13	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.90
B308	1/2"-13	1/2"-13	2 9/16"	7/8"	1 1/8"	2 1/2"	1/4"	1500	6.68
B321-1	3/8"-16	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	1300	5.79
B321-2	1/2"-13	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	1400	6.23

B312 Anchor Strap



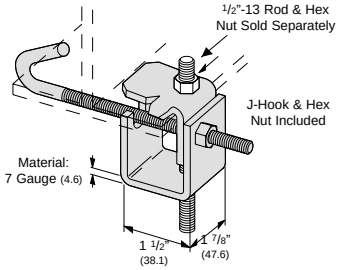
- Finish available: ZN
- For a maximum beam thickness of 3/4".
- For thicker beams, step up one flange width size.

Cat. No.	Flange Width
B312-6	Up to 6"
B312-9	6" - 9"
B312-12	9" - 12"

Beam Clamp

Catalog No.	For Flange Width in.	For Flange Width mm	Wt./C lbs	Wt./C kg
B750-J4	3"- 6"	76.2 - 152.4	109	49.4
B750-J6	5"- 9"	127.0 - 288.6	124	56.2
B750-J9	8"- 12"	203.2 - 304.8	135	61.2
B750-J12	11"- 15"	279.4 - 381.0	147	66.7

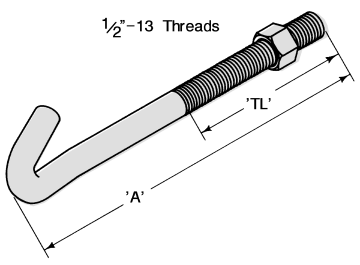
- Finish available: ZN
- Design Load 500 lbs. (2.22 kN)
- Recommended torque: 'J'-Hook Nut 125 In.-Lbs. (14.1 kN/m)
- Maximum flange thickness of 3/4"



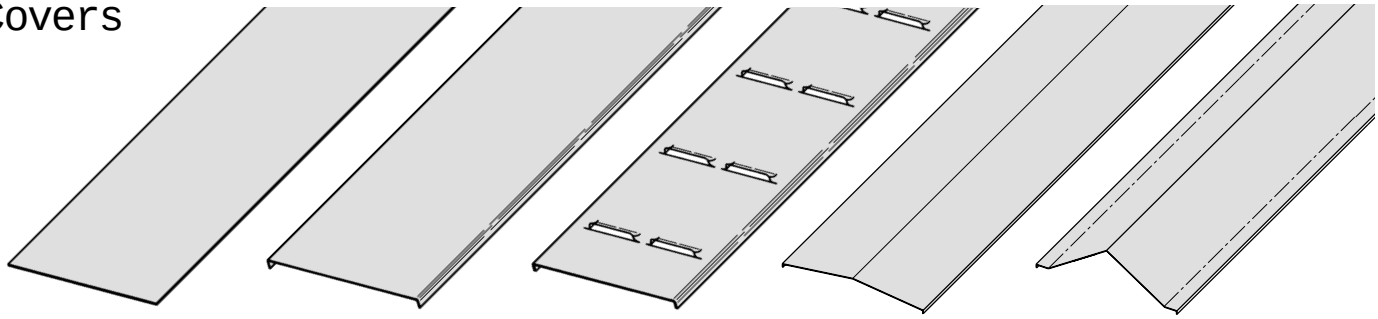
Beam Clamp

Catalog No.	'A' in.	'A' mm	Thread Length 'TL' in.	Thread Length 'TL' mm	Wt./C lbs	Wt./C kg
B700-J4	8 1/2"	215.9	5"	127.0	44	19.9
B700-J6	11 1/2"	292.1	6"	152.4	53	24.0
B700-J9	12 1/4"	368.3	6"	152.4	63	28.6
B700-J12	17 1/2"	444.5	6"	152.4	78	35.4

- Finish available: ZN
- Hex Nut included.



Covers



Solid Non-Flanged | Solid Flanged | Ventilated Flanged | Peaked Flanged | 2 to 3 Pitch Peaked Flanged

A full range of covers is available for straight sections and fittings.

Solid covers should be used when maximum enclosure of the cable is desired and no accumulation of heat is expected. **Ventilated covers** provide an overhead cable shield, yet allow heat to escape.

B-Line recommends that covers be placed on vertical cable tray runs to a height of 6 ft. (1.83 m) to 8 ft. (2.44 m) above the floor to isolate both cables and personnel. **Flanged covers** have a 1/2 in. (13 mm) flange. Cover clamps are not included with the cover and must be ordered separately. All **peaked covers** are flanged. Standard peaked covers have 1/2" peak. Special purpose peaked covers, having a 2 to 3 pitch, provide additional slope and material thickness. The 2 to 3 pitch fitting covers are of multiple piece, welded construction.

Aluminum Cover Part Numbering

Prefix

Example: 80 7 A 40 - 24 - 144

Cover Type
- 80 = Solid
- 81 = Ventilated
- 82 = Peaked
- 83 = 2 to 3 Pitch Peaked

Detail
- 6 = Non-Flanged (80 & 81 type only)
- 7 = Flange

Material
- A = Aluminum

Material Thickness
- 40 = .040 Aluminum All except 2 to 3 pitch
- 80 = .080 Aluminum 2 to 3 pitch straight section
- 125 = .125 Aluminum 2 to 3 pitch fittings

Tray Width
- 06 = 6"
- 09 = 9"
- 12 = 12"
- 18 = 18"
- 24 = 24"
- 30 = 30"
- 36 = 36"

Item Description

For Straight Section Cover:
- 144 = 12 ft. (3.66m)
- 120 = 10 ft. (3.05m)
- 72 = 6 ft. (1.83m)
- 60 = 5 ft. (1.52m)

For fitting covers: Insert suffix of fitting to be covered. See example below.

Examples of Catalog Numbers for Fitting Covers:

Horizontal Bend Cover

Prefix / Suffix

80 7 A 40 - 18 - 90 HB 24

- 24 — Radius
- HB — Fitting
- 90 — Angle
- 18 — Width
- 40 — Material Thickness
- A — Material
- 7 — Detail
- 80 — Cover Type

Vertical Bend Cover

Prefix / Suffix

80 7 A 40 - 24 - 90 VO 24 - 4*

- 4* — Siderail Height
- 24 — Radius
- VO — Fitting
- 90 — Angle
- 24 — Width
- 40 — Material Thickness
- A — Material
- 7 — Detail
- 80 — Cover Type

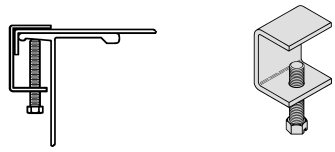
* Required for VO fittings only

2 to 3 Pitch	
Tray Width	**Peak Height**
6″	2″
9″	3″
12″	4″
18″	6″
24″	8″
30″	10″
36″	12″

Series 2,3&4 Aluminum-Accessories

Standard Cover Clamp

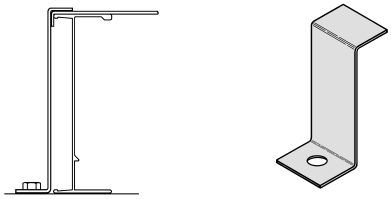
- For indoor service only.
- Setscrew included.
- Sold per piece.



Tray Type	Siderail Height	Catalog No.
Aluminum	All Sizes	9ZN-9012
		9A-9012

Combination Cover and Hold Down Clamp

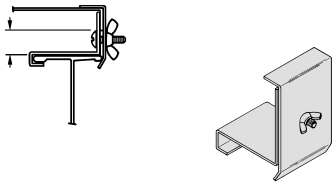
- Sold per piece.



Tray Type	Siderail Height in.	Siderail Height mm	Catalog No.
Aluminum	4	101	9P-9043
	5	127	9P-9053
	6	152	9P-9063
	7	178	9P-9073

Raised Cover Clamp

- For indoor service only.

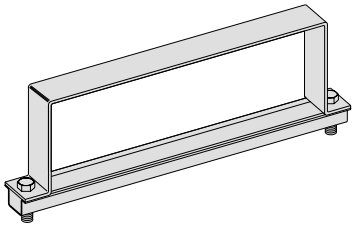


† Specify gap of 1", 2", 3" or 4".

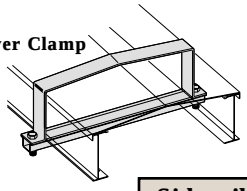
Tray Type	Siderail Height	Catalog No.
Aluminum	4" & 5" Deep	9ZN-9112†
	6" & 7" Deep	9ZN-9113†

Heavy Duty Cover Clamps

- Recommended for outdoor service.



Peaked Cover Clamp

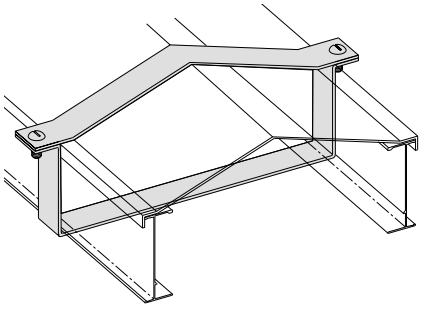


W = Tray Width
† Add P to Catalog No. for peaked cover clamp.

Siderail Height in.	Siderail Height mm	Catalog No.
4	101	9A-W-9044†
5	127	9A-W-9054†
6	152	9A-W-9064†
7	178	9A-W-9074†

2 to 3 Pitch Cover Clamps

- Recommended for outdoor service.

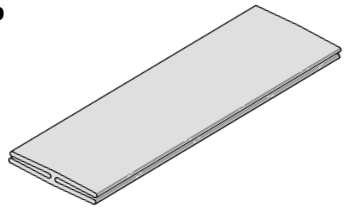


W = Tray Width

Siderail Height in.	Siderail Height mm	Catalog No.
4	101	9A-W-9P44
5	127	9A-W-9P54
6	152	9A-W-9P64
7	178	9A-W-9P74

Cover Joint Strip

- Used to join covers
- Plastic
- W = Tray Width



Catalog No.	99-9980-W

Quantity of Standard Cover Clamps Required

Straight Section 60" or 72".....4 pcs.

Straight Section 120" or 144".....6 pcs.

Horizontal/Vertical Bends .....4 pcs.

Tees .....6 pcs.

Crosses .....8 pcs.

Note: When using the Heavy Duty Cover Clamp, only one-half the number of clamps stated above is required.

Series 2,3&4 Aluminum-Specifications

Section 1- Acceptable Manufacturers

1.01 Manufacturer: Subject to compliance with these specifications, cable tray systems shall be as manufactured by B-Line Systems, Inc.

Section 2- Cable Tray Sections and Components

2.01 General: Except as otherwise indicated, provide metal cable trays, of types, classes and sizes indicated; with splice plates, bolts, nuts and washers for connecting units. Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features. Cable tray shall be installed according to the latest revision of NEMA VE-2.

2.02 Materials and Finish: Straight section and fitting side rails and rungs shall be extruded from Aluminum Association Alloy 6063. All fabricated parts shall be made from Aluminum Association Alloy 5052.

2.03 Ladder Cable Trays shall consist of two longitudinal members (side rails) with transverse members (rungs) welded to the side rails. Rungs shall be spaced [6] [9] [12] inches on center. Rung spacing in radiused fittings shall be industry standard 9" and measured at the center of the tray's width. Each rung must be capable of supporting a 200 lb. concentrated load at the center of the cable tray over and above the cable load with a safety factor of 1.5.

2.04 Ventilated Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or rungs spaced 4" on center. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers. To provide ventilation in the tray, the valleys of the corrugated bottom shall have 2-1/4" x 4" rectangular holes punched along the width of the bottom.

2.05 Solid Bottom Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or a solid sheet over rungs. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers.

2.06 Cable tray loading depth shall be [3] [4] [5] [6] inches per NEMA VE-1.

2.07 Straight sections shall have siderails fabricated as I-beams. Straight sections shall be supplied in standard [12 foot] [24 foot] [10 foot (3m)] [20 foot (6m)] lengths.

2.08 Cable tray widths shall be [6] [9] [12] [18] [24] [30] [36] inches or as shown on drawings.

2.09 Splice plates shall be the Wedge-Lock design with 4 nuts and bolts per plate. The resistance of fixed splice connections between an adjacent section of tray shall not exceed 0.00033 ohm.

2.10 All fittings must have a minimum radius of [12] [24] [36] [48] inches.

Section 3- Loading Capacities and Testing

3.01 Cable tray shall be capable of carrying a uniformly distributed load of _____ lbs./ft. on a _____ ft. support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE1-5.2. In addition to the uniformly distributed load the cable tray shall support 200 lbs. concentrated load at mid-point of span. Load and safety factors specified are applicable to both the side rails and rung capacities. Cable tray shall be made to manufacturing tolerances as specified by NEMA.

3.02 Upon request, manufacturer shall provide test reports in accordance with the latest revision of NEMA VE-1 or CSA C22.2 No. 126.

Series 2,3,4,&5 Steel-Straight Sections

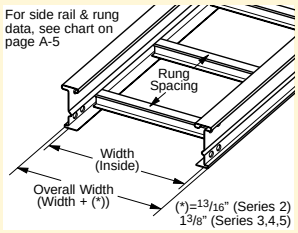
3" NEMA VE-1 Loading Depth

Steel Straight Section Part Numbering

Prefix

Example: 248 P 09 - 24 - 144

Series	Material	*Type	*Width	Length
248	P = Pre-Galvanized	**Ladder-**	06 = 6"	144 = 12 ft.
346	G = HDGAF	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
444	SPVC = Steel PVC Coated	09 = 9" rung spacing	12 = 12"	288 = 24 ft.
		12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
			30 = 30"	
			36 = 36"	



Trough-

6" thru 36" wide

VT = Vented Trough

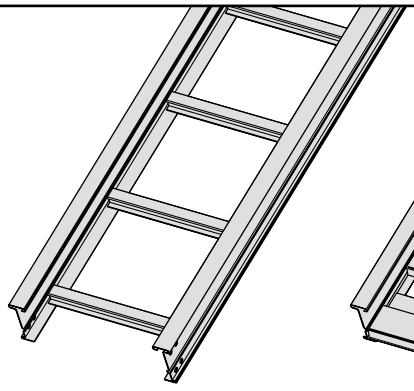
ST = Solid Trough

6" and Wider

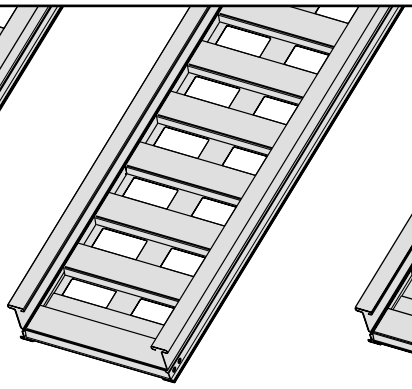
04 = Vented Bottom

SB = Solid Bottom

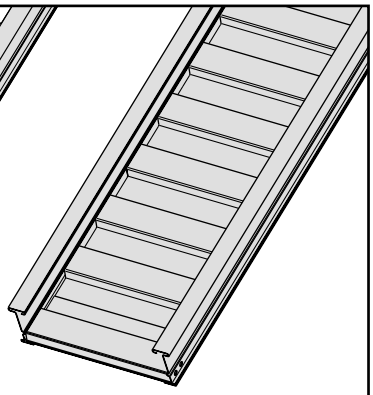
See page A-1, for additional rung options. *Special sizes available.



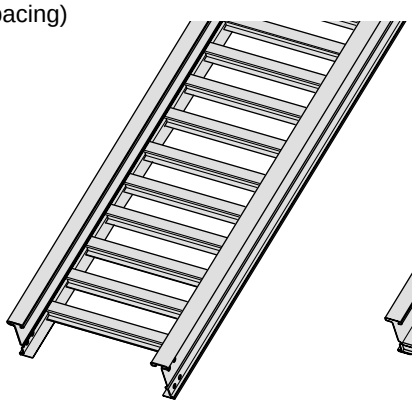
Ladder Type
(Specify Rung Spacing)



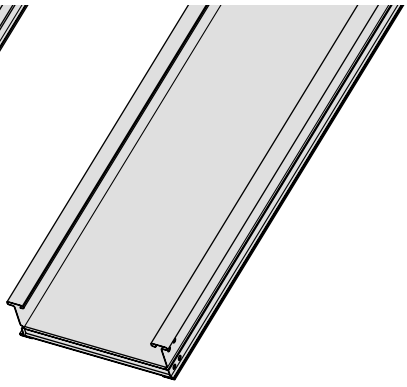
Ventilated Trough



Solid Trough



Vented Bottom

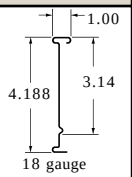


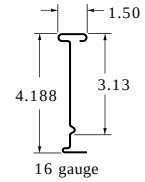
Solid Bottom

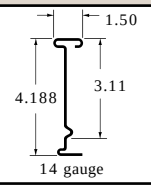
3" NEMA VE-1 Loading Depth

Values are based on simple beam tests per NEMA VE-1 on 36" wide cable tray with rungs spaced on 12" centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply publish load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
248		NEMA: 16A, 12C CSA: D1-3m UL Cross-Sectional Area: 0.40 in^2	6 8 10 12 14 16	412* 232 148 103 76 58	0.0008 0.0024 0.0058 0.012 0.022 0.038	Area=0.62 in^2 Sx=0.64 in^3 Ix=1.43 in^4	1.8 2.4 3.0 3.7 4.3 4.9	613* 345 220 153 113 86	0.0136 0.0409 0.0990 0.205 0.375 0.648	Area=4.00 cm^2 Sx=10.49 cm^3 Ix=59.53 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
346		NEMA: 20A, 16B CSA: D1-6m UL Cross-Sectional Area: 0.70 in^2	10 12 14 16 18 20	253 176 129 95 78 63	0.0038 0.0079 0.015 0.025 0.040 0.061	Area=0.89 in^2 Sx=0.96 in^3 Ix=2.22 in^4	3.0 3.7 4.3 4.9 5.5 6.1	376 262 192 147 116 94	0.0648 0.1348 0.256 0.427 0.682 1.041	Area=5.74 cm^2 Sx=15.73 cm^3 Ix=92.42 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
444		NEMA: 20B, 16C CSA: E-3m UL Cross-Sectional Area: 1.00 in^2	12 16 18 20 22 24	254 143 113 91 75 63	0.0063 0.020 0.032 0.048 0.071 0.101	Area=1.19 in^2 Sx=1.27 in^3 Ix=2.94 in^4	3.7 4.9 5.5 6.1 6.7 7.3	378 213 168 135 112 94	0.1075 0.341 0.546 0.819 1.211 1.723	Area=7.68 cm^2 Sx=20.82 cm^3 Ix=122.39 cm^4

*When using 18" rung spacing, load capacity is limited to 394 lbs/ft (586 kg/m) for 30" cable tray width and 325 lbs/ft (483 kg/m) for 36" cable tray width. When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3,4,&5 Steel-Straight Sections

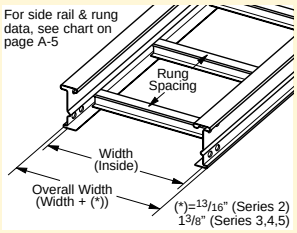
4" NEMA VE-1 Loading Depth

Straight Section Part Numbering

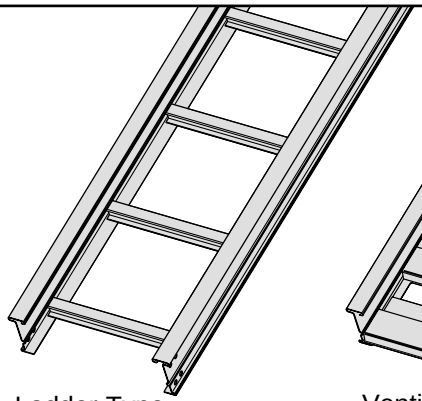
Prefix

Example: 258 G 09 - 24 - 144

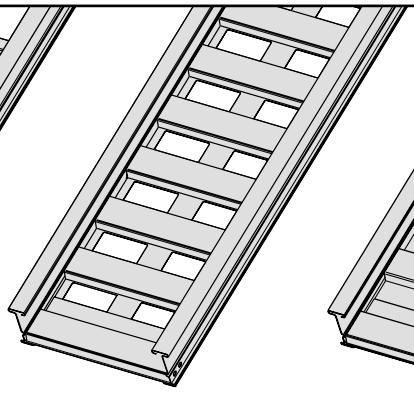
Series	Material	*Type	*Width	Length
258	P = Pre-Galvanized	**Ladder-**	06 = 6"	144 = 12 ft.
356	G = HDGAF	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
454	SPVC = Steel PVC Coated	09 = 9" rung spacing	12 = 12"	288 = 24 ft.
		12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
		Trough-	30 = 30"	
		6" thru 36" wide	36 = 36"	
		VT = Vented Trough		
		ST = Solid Trough		
		6" and Wider		
		04 = Vented Bottom		
		SB = Solid Bottom		



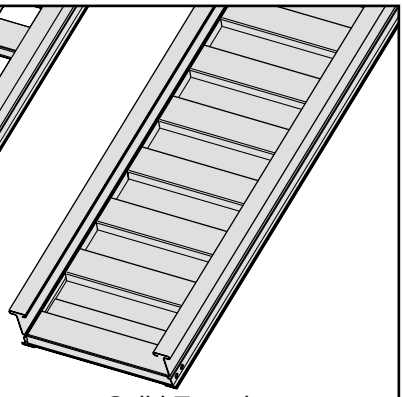
See page A-1, for additional Rung options. *Special sizes available.



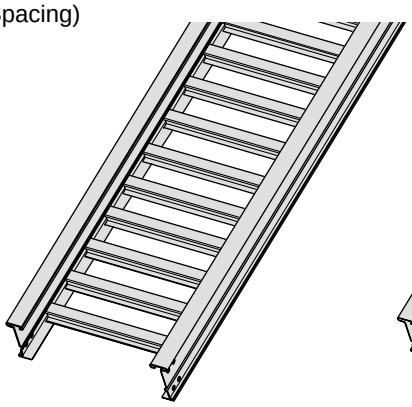
Ladder Type
(Specify Rung Spacing)



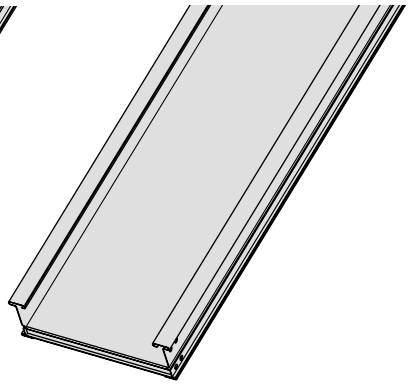
Ventilated Trough



Solid Trough



Vented Bottom



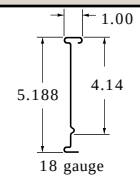
Solid Bottom

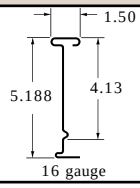
Series 2,3,4,&5 Steel-Straight Sections

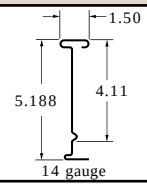
4” NEMA VE-1 Loading Depth

Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
258		NEMA: 16A, 12C CSA: D1-3m UL Cross-Sectional Area: 0.40 in^2	6 8 10 12 14 16	436* 245 157 109 80 61	0.0004 0.0014 0.0033 0.0069 0.013 0.022	 Area=0.71 in^2 Sx=0.89 in^3 Ix=2.44 in^4	1.8 2.4 3.0 3.7 4.3 4.9	649* 365 234 162 119 91	0.0068 0.0239 0.0563 0.1177 0.222 0.375	 Area=4.58 cm^2 Sx=14.59 cm^3 Ix=101.58 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
356		NEMA: 20A, 16C CSA: D1-6m UL Cross-Sectional Area: 1.00 in^2	10 12 14 16 18 20	276 192 141 108 85 69	0.0022 0.0046 0.0085 0.014 0.023 0.035	 Area=1.00 in^2 Sx=1.31 in^3 Ix=3.73 in^4	3.0 3.7 4.3 4.9 5.5 6.1	411 286 210 161 126 103	0.0375 0.0785 0.1450 0.239 0.392 0.597	 Area=6.45 cm^2 Sx=21.47 cm^3 Ix=155.28 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
454		NEMA: 20C CSA: E-6m UL Cross-Sectional Area: 1.00 in^2	12 16 18 20 22 24	294 166 131 106 88 74	0.0037 0.012 0.019 0.028 0.041 0.059	 Area=1.34 in^2 Sx=1.75 in^3 Ix=4.96 in^4	3.7 4.9 5.5 6.1 6.7 7.3	437 247 195 158 131 110	0.0631 0.205 0.324 0.478 0.700 1.007	 Area=8.65 cm^2 Sx=28.68 cm^3 Ix=206.48 cm^4

* When using 18” rung spacing, load capacity is limited to 394 lbs/ft (586 kg/m) for 30” cable tray width and 325 lbs/ft (494 kg/m) for 36” cable tray width. When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3,4,&5 Steel-Straight Sections

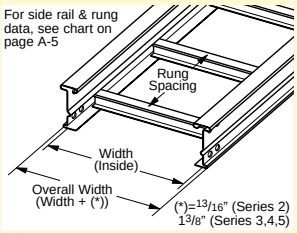
5" NEMA VE-1 Loading Depth

Straight Section Part Numbering

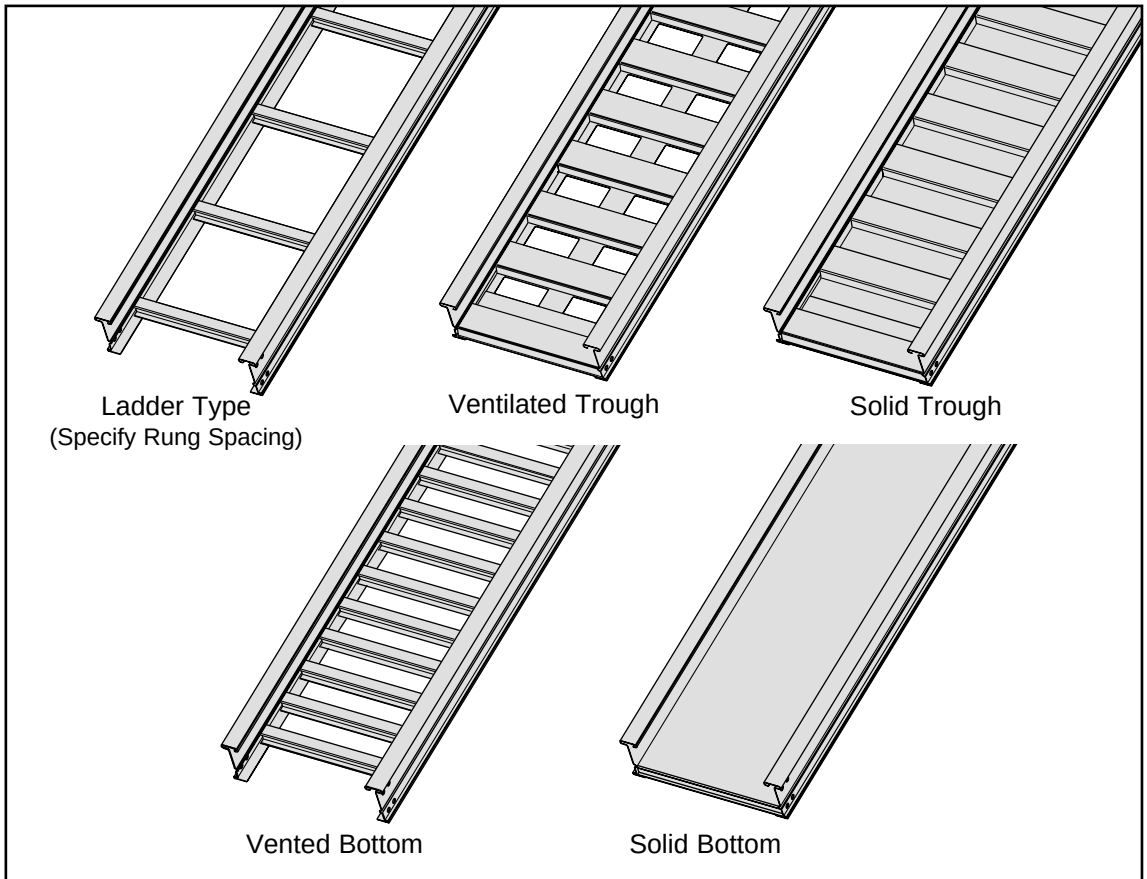
Prefix

Example: 268 G 09 - 24 - 144

Series	Material	*Type	*Width	Length
268	P = Pre-Galvanized	**Ladder-**	06 = 6"	144 = 12 ft.
368	G = HDGAF	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
366	SPVC = Steel PVC	09 = 9" rung spacing	12 = 12"	288 = 24 ft.
464	Coated	12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
		Trough-	30 = 30"	
		6" thru 36" wide	36 = 36"	
		VT = Vented Trough		
		ST = Solid Trough		
		6" and Wider		
		04 = Vented Bottom		
		SB = Solid Bottom		



See page A-1, for additional rung options. *Special sizes available.

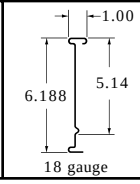


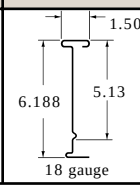
Series 2,3,4,&5 Steel-Straight Sections

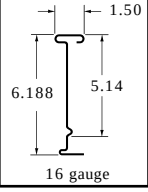
5” NEMA VE-1 Loading Depth

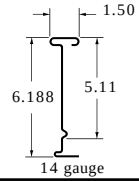
Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
268		NEMA: 16A, 12C CSA: D1-3m UL Cross-Sectional Area: 0.70 in^2	6 8 10 12 14 16	441* 248 159 110 81 62	0.0003 0.0009 0.0023 0.0047 0.0088 0.015	Area=0.80 in^2 Sx=1.18 in^3 Ix=3.81 in^4	1.8 2.4 3.0 3.7 4.3 4.9	656* 369 237 164 121 92	0.0051 0.0154 0.0392 0.080 0.150 0.256	Area=5.16 cm^2 Sx=9.34 cm^3 Ix=158.61 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
368		NEMA: 20A, 16B CSA: N/A UL Cross-Sectional Area: 0.70 in^2	10 12 14 16 18 20	235 163 120 92 73 59	0.0018 0.0037 0.0068 0.012 0.019 0.028	Area=0.92 in^2 Sx=1.41 in^3 Ix=4.77 in^4	3.0 3.7 4.3 4.9 5.5 6.1	350 243 179 137 109 88	0.0307 0.0631 0.116 0.205 0.324 0.478	Area=5.94 cm^2 Sx=23.11 cm^3 Ix=198.58 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
366		NEMA: 20B, 16C CSA: E-6m UL Cross-Sectional Area: 1.00 in^2	10 12 14 16 18 20	299 207 152 117 92 75	0.0014 0.0029 0.0054 0.0090 0.015 0.023	Area=1.11 in^2 Sx=1.71 in^3 Ix=5.74 in^4	3.0 3.7 4.3 4.9 5.5 6.1	445 308 226 174 137 112	0.0239 0.0495 0.092 0.154 0.256 0.392	Area=7.16 cm^2 Sx=28.03 cm^3 Ix=238.96 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
464		NEMA: 20C CSA: N/A UL Cross-Sectional Area: 1.00 in^2	12 16 18 20 22 24	343* 193 152 123 102 86	0.0024 0.0074 0.012 0.018 0.027 0.038	Area=1.49 in^2 Sx=2.28 in^3 Ix=7.65 in^4	3.7 4.9 5.5 6.1 6.7 7.3	510* 287 226 183 152 128	0.0409 0.1263 0.205 0.307 0.461 0.648	Area=9.61 cm^2 Sx=37.37 cm^3 Ix=318.47 cm^4

* When using 18” rung spacing, load capacity is limited to 394 lbs/ft (586 kg/m) for 30” cable tray width and 325 lbs/ft (483 kg/m) for 36” cable tray width. When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3,4,&5 Steel-Straight Sections

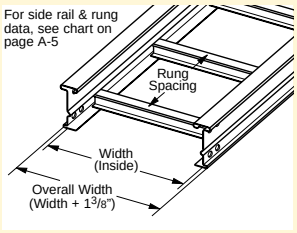
6" NEMA VE-1 Loading Depth

Straight Section Part Numbering

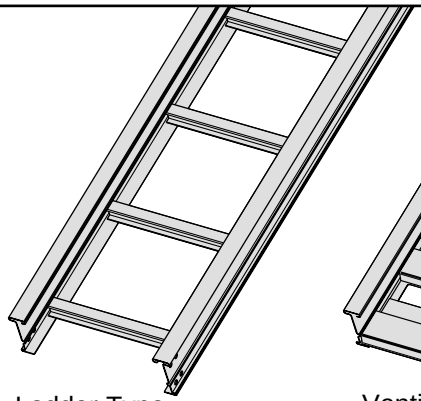
Prefix

Example: 378 G 09 - 24 - 144

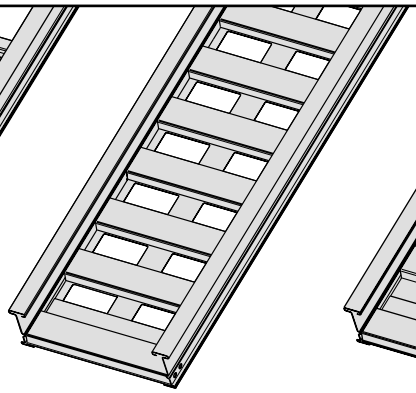
Series	Material	*Type	*Width	Length
378	P = Pre-Galvanized	**Ladder-**	06 = 6"	144 = 12 ft.
476	G = HDGAF	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
574	SPVC = Steel PVC Coated	09 = 9" rung spacing	12 = 12"	288 = 24 ft.
		12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
		Trough-	30 = 30"	
		6" thru 36" wide	36 = 36"	
		VT = Vented Trough		
		ST = Solid Trough		
		6" and Wider		
		04 = Vented Bottom		
		SB = Solid Bottom		



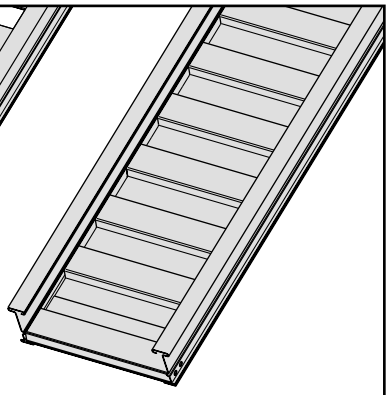
See page A-1, for additional rung options. *Special sizes available.



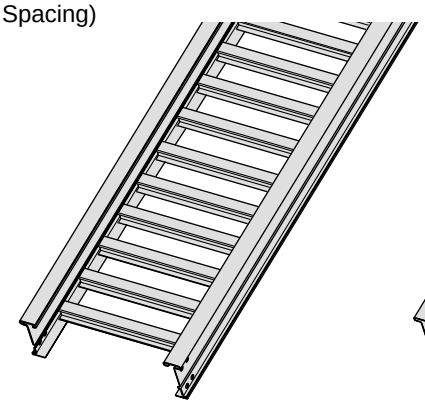
Ladder Type
(Specify Rung Spacing)



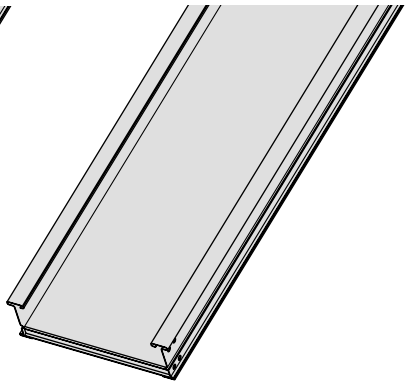
Ventilated Trough



Solid Trough



Vented Bottom

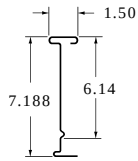


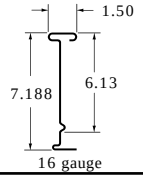
Solid Bottom

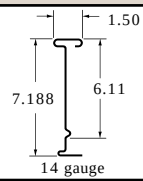
6” NEMA VE-1 Loading Depth

Values are based on simple beam tests per NEMA VE-1 on 36” wide cable tray with rungs spaced on 12” centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

Individual rungs will support without collapse a 200 lb. concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page A-6 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
378		NEMA: 20A, 16B CSA: D1-3m UL Cross-Sectional Area: 1.00 in^2	8 10 12 14 16 18 20	321 205 143 105 80 63 51	0.0005 0.0013 0.0027 0.0050 0.0085 0.014 0.021	 Area=1.01 in^2 Sx=1.77 in^3 Ix=6.90 in^4	2.4 3.0 3.7 4.3 4.9 5.5 6.1	478 305 213 156 119 94 76	0.0085 0.0222 0.0461 0.085 0.145 0.239 0.358	 Area=6.52 cm^2 Sx=29.01 cm^3 Ix=287.25 cm^4

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
476		NEMA: 20B, 16C CSA: D1-6m UL Cross-Sectional Area: 1.00 in^2	12 16 18 20 22 24	213 120 95 77 63 53	0.0022 0.0068 0.011 0.017 0.024 0.034	 Area=1.22 in^2 Sx=2.14 in^3 Ix=8.30 in^4	3.7 4.9 5.5 6.1 6.7 7.3	317 179 141 115 94 79	0.0375 0.1160 0.188 0.290 0.409 0.580	 Area=7.87 cm^2 Sx=5.07 cm^3 Ix=345.53 cm^4

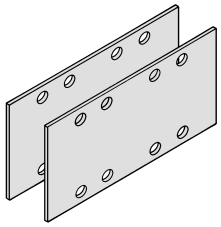
B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
574		NEMA: 20C CSA: E-6m UL Cross-Sectional Area: 1.00 in^2	12 16 18 20 22 24	325 202 160 130 107 90	0.0017 0.0054 0.0087 0.013 0.019 0.028	 Area=1.64 in^2 Sx=2.87 in^3 Ix=11.10 in^4	3.7 4.9 5.5 6.1 6.7 7.3	483 301 238 193 159 134	0.0290 0.0921 0.148 0.222 0.324 0.478	 Area=10.58 cm^2 Sx=47.04 cm^3 Ix=462.09 cm^4

When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2,3,4,&5 Steel-Accessories

Splice Plates

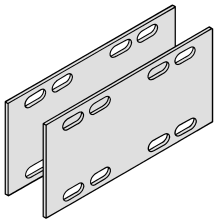
- Standard 8-hole pattern for all steel splice plates.
- Furnished in pairs with hardware.
- One pair including hardware provided with straight section.
- Prepackaged in pairs in a plastic bag, with hardware.
- (*) Insert ZN or G



Catalog No.	Height	
	in.	mm
9(*)-8004	4	101
9(*)-8005	5	127
9(*)-8006	6	152
9(*)-8007	7	178

Expansion Splice Plates

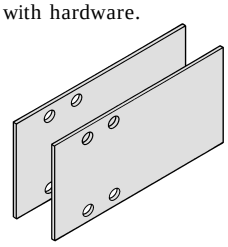
- Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints occur in the support structure.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required. Order Separately.**
- (*) Insert ZN or G



Catalog No.	Height	
	in.	mm
9(*)-8014	4	101
9(*)-8015	5	127
9(*)-8016	6	152
9(*)-8017	7	178

Universal Splice Plates

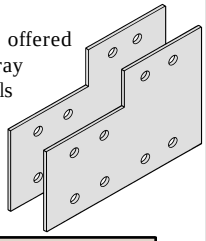
- Used to splice to existing cable tray systems.
- Furnished in pairs with hardware.
- (*) Insert ZN or G



Catalog No.	Height	
	in.	mm
9(*)-8004-1/2	4	101
9(*)-8005-1/2	5	127
9(*)-8006-1/2	6	152
9(*)-8007-1/2	7	178

Step Down Splice Plates

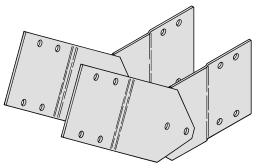
- These splice plates are offered for connecting cable tray sections having siderails of different heights.
- Furnished in pairs with hardware.
- (*) Insert ZN or G



Catalog No.	Height	
	in.	mm
9(*)-8045	5 to 4	127 to 101
9(*)-8046	6 to 4	152 to 101
9(*)-8060	6 to 5	152 to 127
9(*)-8047	7 to 4	178 to 101
9(*)-8061	7 to 5	178 to 127
9(*)-8062	7 to 6	178 to 152

Vertical Adjustable Splice Plates

- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.
- (*) Insert G or P

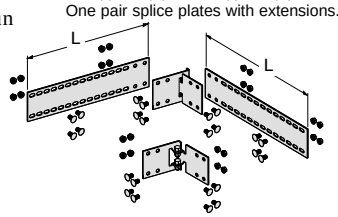


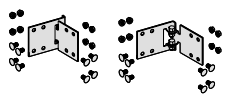
Catalog No.	Height	
	in.	mm
9(*)-8024	4	101
9(*)-8025	5	127
9(*)-8026	6	152
9(*)-8027	7	178

Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.
- (*) Insert ZN or G
- (X) Insert 4, 5, 6 or 7 for siderail height.

9(*)-803(X)-12 or 9(*)-803(X)-36
One pair splice plates with extensions.



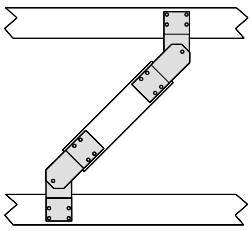


9(*)-803(X)
Splice only

Catalog No.	Cable Tray End Cut	Tray Width	'L'
9(*)-803(X)	Mitered	Thru 36”	N/A
9(*)-803(X)-12	Not mitered	Thru 12”	16”
9(*)-803(X)-36	Not mitered	Thru 36”	41”

Branch Pivot Connectors

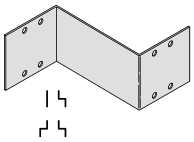
- Branch from existing cable tray runs at any point.
- Pivot to any required angle.
- Can be used with vertical adjustable splice plates to form vertical tees or wyes.
- UL Classified for grounding (bonding jumper not required).
- Furnished in pairs with hardware.
- (*) Insert ZN or G



Catalog No.	Height	
	in.	mm
9(*)-8244	4	101
9(*)-8245	5	127
9(*)-8246	6	152
9(*)-8247	7	178

Offset Reducing Splice Plate

- This plate is used for joining cable trays having different widths. When used in pairs they form a straight reduction; when used singly with a standard splice plate they form an offset reduction.
- Furnished as one plate with hardware.
- R = reduction
- (*) Insert G or P



Catalog No.	Height in.	Height mm
9(*)-8064-R	4	101
9(*)-8065-R	5	127
9(*)-8066-R	6	152
9(*)-8067-R	7	178

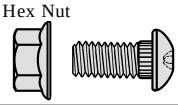
Tray Hardware

Pre-Galvanized Tray Hardware

Catalog No. RNCB 3/8 x 3/4 Znplt Ribbed Neck Carriage Bolt ASTM A307 Grade A

Catalog No. SFHN 3/8 Znplt Serrated Flange Hex Nut ASTM A563 Grade A

Finish: Zinc Plated ASTM B633, SC1



Hot Dip Galvanized Tray Hardware

Standard: **Catalog No. RNCB 3/8 x 3/4 CZ** Ribbed Neck Carriage Bolt ASTM A307 Grade A Chromium Zinc

Catalog No. SFHN 3/8 CZ Serrated Flange Hex Nut ASTM A563 Grade A Chromium Zinc

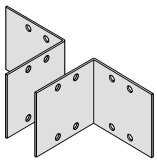
Optional: **Catalog No. RNCB 3/8 x 3/4 SS6** AISI 316 Stainless Steel

Catalog No. SFHN 3/8 SS6 AISI 316 Stainless Steel

Example: 9G-8004SS6

Tray to Box Splice Plates

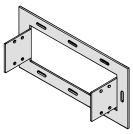
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.
- (*) Insert G or P



Catalog No.	Height in.	Height mm
9(*)-8054	4	101
9(*)-8055	5	127
9(*)-8056	6	152
9(*)-8057	7	178

Frame Type Box Connector

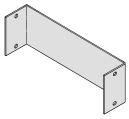
- Designed to attach the end of a cable tray run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with tray connection hardware.
- (*) Insert ZN or G
- W = tray width



Catalog No.	Height in.	Height mm
9(*)-8074-W	4	101
9(*)-8075-W	5	127
9(*)-8076-W	6	152
9(*)-8077-W	7	178

Blind End

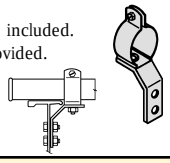
- This plate forms a closure for a dead end cable tray.
- Furnished as one plate with hardware.
- (*) Insert P or G
- W = tray width



Catalog No.	Height in.	Height mm
9(*)-8084-W	4	101
9(*)-8085-W	5	127
9(*)-8086-W	6	152
9(*)-8087-W	7	178

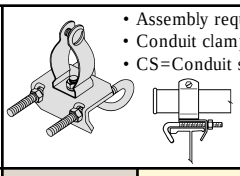
Conduit to Tray Adapters

- Assembly required.
- Mounting hardware included.
- Conduit clamps provided.
- CS=Conduit size.



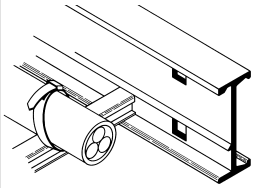
Cat. No.	9ZN-1150-CS

- Assembly required.
- Conduit clamp included.
- CS=Conduit size.



Cat. No.	9ZN-1155-CS

Cable Ties (Ladder Tray)



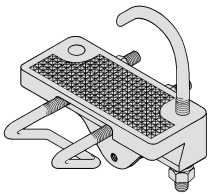
Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. of 3" (76mm).

Overall Length 15"

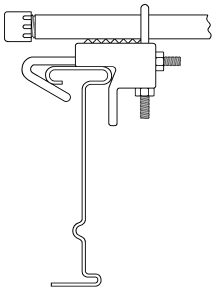
Catalog No.	99-2125

Conduit to Tray Adaptors

- For easy attachment of conduit terminating at a cable tray.
- Use on aluminum or steel cable trays.
- (*) Insert G or ZN



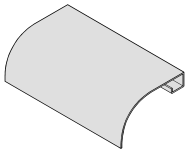
Catalog No.	Conduit Size in.	Conduit Size mm
9(*)-1158-1/2, 3/4	1/2, 3/4	15, 20
9(*)-1158-1, 1 1/4	1, 1 1/4	25, 32
9(*)-1158-1 1/2, 2	1 1/2, 2	40, 50
9(*)-1158-2 1/2, 3	2 1/2, 3	65, 80
9(*)-1158-3 1/2, 4	3 1/2, 4	90, 100

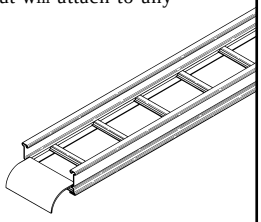


Steel I-Beam

Ladder Drop-Out

- Specially-designed Ladder Drop-Outs provide a rounded surface with 4" (101mm) radius to protect cable as it exits from the cable tray, preventing damage to insulation. The drop-out will attach to any desired rung.
- (*) Insert P or G
- W = tray width

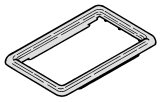




Catalog No.	9(*)-1104-W

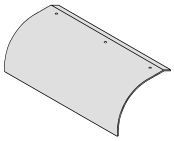
Trough Drop-Out & Drop-Out Bushing

- These devices provide a rounded surface to protect cable as it exits from the trough-type cable tray.
- Hardware is included for attachment to the trough bottom.
- (*) Insert P or G
- W = tray width



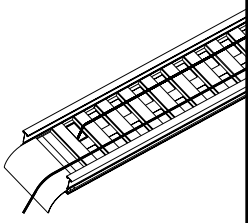
Catalog No.
99-1124

Snap-In Plastic Bushing



Catalog No.
9(*)-1104T-W

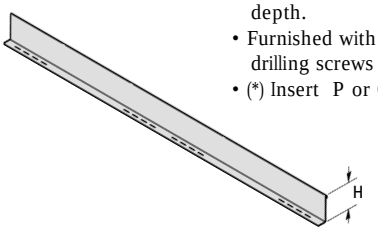
Trough-Type Drop-Out



Barriers

Straight Sections

- Standard length: 120" (3m) 144" (12').
- Order catalog number based on loading depth.
- Furnished with four #10 x 1/2" plated self-drilling screws and a 99-9982 splice.
- (*) Insert P or G

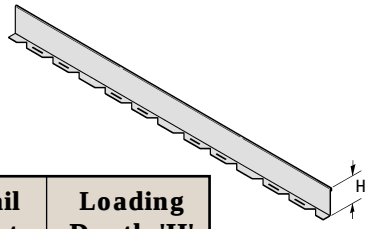


Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73(*)-Length	4	101	3	76
74(*)-Length	5	127	4	101
75(*)-Length	6	152	5	127
76(*)-Length	7	178	6	152

Length =
144 for 12'
or
120 for 10'

Horizontal Bend

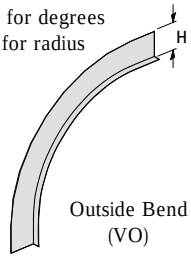
- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Cut to length.
- Order catalog number based on loading depth.
- Furnished with three #10 x 1/2" zinc plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- Standard length is 72" (6ft.), sold individually.
- (*) Insert P or G



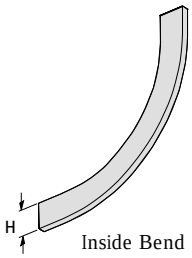
Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73(*)-90HBFL	4	101	3	76
74(*)-90HBFL	5	127	4	101
75(*)-90HBFL	6	152	5	127
76(*)-90HBFL	7	178	6	152

Vertical Bend Barriers

- Vertical Bend Barriers are preformed to conform to a specific vertical fitting.
- Furnished with three #10 x 1/2" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert P or G
- (**) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24, 36 or 48 for radius



Outside Bend (VO)

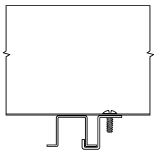


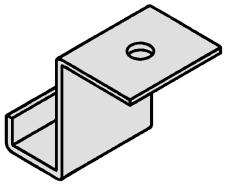
Inside Bend (VI)

Inside Bend Catalog No.	Outside Bend Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73(*)-(**)VI(†)	73(*)-(**)VO(†)	4	101	3	76
74(*)-(**)VI(†)	74(*)-(**)VO(†)	5	127	4	101
75(*)-(**)VI(†)	75(*)-(**)VO(†)	6	152	5	127
76(*)-(**)VI(†)	76(*)-(**)VO(†)	7	178	6	152

Barrier Strip Clip

- Zinc plated steel barrier clip fastens to either aluminum or steel ladder rung.
- Furnished with one #10 x 1/2" zinc plated self-drilling screw.

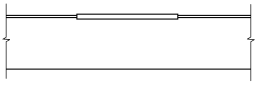


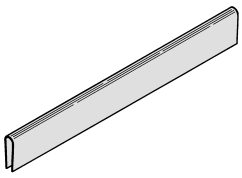


Catalog No.	9ZN-9002

Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.

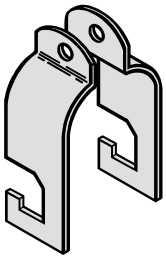




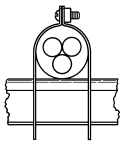
Catalog No.	99-9982

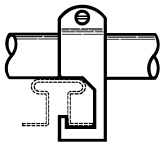
Stainless Steel Cable Clamps

- Fits with series 2, 3, 4 & 5 standard rungs.
- Shipped flat. Field form around the cable at the time of installation.



Catalog No.	Cable Size	
	in.	mm
9SS4-4100	1.00 - 1.25	25 - 32
9SS4-4125	1.25 - 1.50	32 - 38
9SS4-4150	1.50 - 1.75	38 - 45
9SS4-4175	1.75 - 2.00	45 - 51
9SS4-4200	2.00 - 2.25	51 - 57
9SS4-4225	2.25 - 2.50	57 - 64
9SS4-4250	2.50 - 2.75	64 - 70
9SS4-4275	2.75 - 3.00	70 - 76
9SS4-4300	3.00 - 3.25	76 - 82
9SS4-4325	3.25 - 3.50	82 - 89
9SS4-4350	3.50 - 3.75	89 - 95
9SS4-4375	3.75 - 4.00	95 - 102
9SS4-4400	4.00 - 4.25	100 - 106
9SS4-4425	4.25 - 4.50	106 - 113
9SS4-4450	4.50 - 4.75	113 - 121
9SS4-4475	4.75 - 5.00	121 - 125

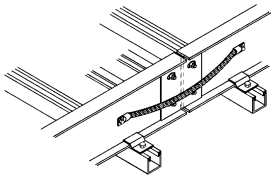




Bonding Jumper

Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground. Sold individually.

- Hardware included.

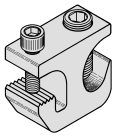


Catalog No.	Ampacity
99-N1	600

Grounding Clamps

B-Line Cable Tray is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor for additional grounding capability is desired, B-Line offers this clamp for bolting the conductor at least once to each cable tray section.

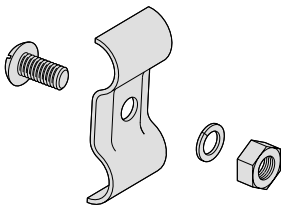
- Accepts #6 AWG to 250 MCM.



Item	Material	Catalog No.
Grounding Clamp	Tin Plated Aluminum	9A-2130

Grounding Clamps

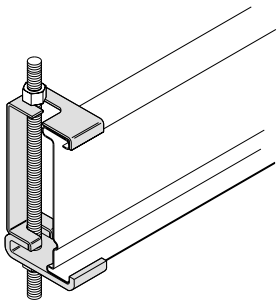
- Mechanically attaches grounding cables to cable tray.
- Hardware included.
- (*) Insert ZN or SS4



Catalog No.	Cable Size
9(*)-2351	#1 thru 2/0
9(*)-2352	3/0 thru 250 MCM

Hanger Rod Clamp

- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two-piece "J"-hanger design.
- (*) Insert ZN or G
- 1500 lbs./pair capacity safety factor 3.



Catalog No.	Rail Height	
	in.	mm
9(*)-5324	4	101
9(*)-5325	5	127
9(*)-5326	6	152
9(*)-5327	7	178

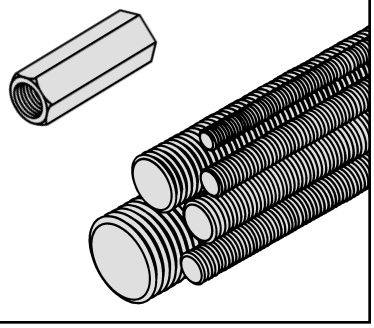
Threaded Rod (ATR) & Rod Couplings

Size	Loading lbs	Catalog No.	Available Lengths	Coupling Cat. No.
3/8-16	610	ATR 3/8 x Length	36", 72", 120", 144"	B655-3/8
1/2-13	1130	ATR 1/2 x Length	36", 72", 120", 144"	B655-1/2

Loading based on safety factor 5.

Standard Finish: Zinc Plated.

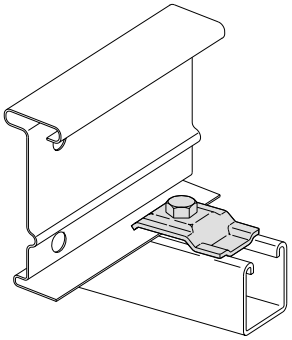
See B-Line Strut Systems Catalog for other sizes and finishes.



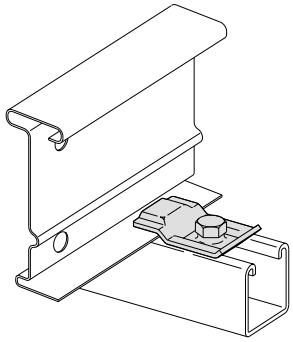
Cable Tray Clamp/Guide

- Features a no-twist design.
- Has four times the strength of the traditional design.
- Each side is labeled to ensure proper installation.
- Designed for either 3/8" or 1/2" hardware.
- Furnished in pairs, with or without hardware (see chart).

Patent # RE35479



Installed as a clamp.



Installed as a guide.

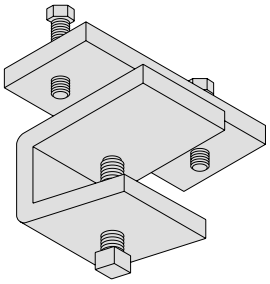
Catalog No.	Hardware Information	Finish
9ZN-1208NB	For 3/8" hardware, included.	ZnPltd
9ZN-1208	For 3/8" hardware, not included.	ZnPltd
9ZN-1205	For 1/2" hardware, not included.	ZnPltd
9G-1205	For 1/2" hardware, not included.	HDGAF
9SS6-1205	For 1/2" hardware, not included.	316SS
9A-1205	For 1/2" hardware, not included.	Alum.

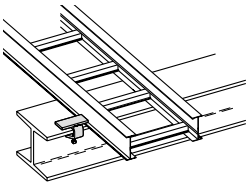
Note: For heavy duty applications see 9(*)-1241 or 9(*)-1242 page 113.

When installing this device as an expansion guide on the outside flange of *Steel Siderail*, use the Catalog No. **B202** Square Washer in order to properly elevate the guide.

Cable Tray Clamp

- Hold down clamps for single or double cable tray runs.
- No drilling of support I-beam or channel is required.
- Sold in pieces - two clamps are required per tray.
- Maximum beam flange thickness 1 1/8" (28.58mm).

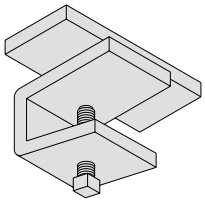




Catalog No.	Finish
9ZN-1249HD	Zinc Plated
9G-1249HD	HDGAF

Cable Tray Guide

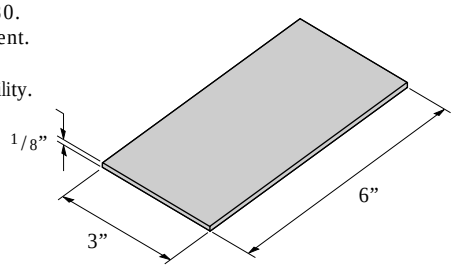
- Expansion guide for single or double cable tray runs.
- Guide allows for longitudinal movement of the cable tray.
- No field drilling of support I-beam or channel is required.
- Guides are required on both sides of cable tray to prevent lateral movement - can be placed on either the inside or outside flange of cable tray.
- Guides are sold in pieces - two guides are required per tray.
- Maximum flange thickness 1 1/8" (28.58mm).



Catalog No.	Finish
9ZN-1249	Zinc Plated
9G-1249	HDGAF

Nylon Pad

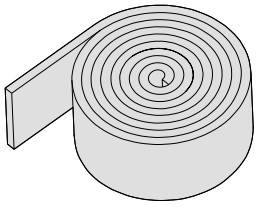
- Use for friction reduction.
- Hardness: Shore D80.
- Low friction coefficient.
- UV resistant (black).
- Excellent weatherability.
- UL-94HB.



Catalog No.	99-NY36

Neoprene Roll

- Used for material isolation.
- 1/8" x 2” x 20' roll.
- Hardness: Shore A60.
- Good weatherability.



Catalog No.	99-NP240

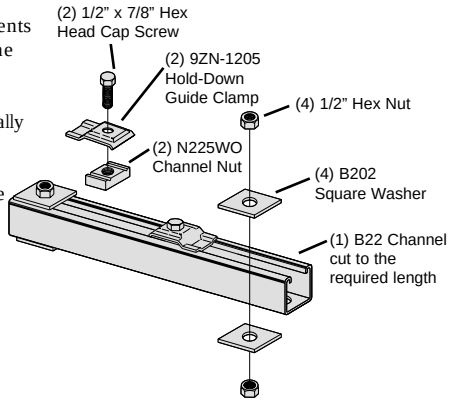
Trapeze Support Kits

B-Line's trapeze kits provide the components required for a single trapeze support in one package. These kits are available in pre-galvanized steel with zinc-plated hardware or hot dip galvanized steel with mechanically galvanized hardware.

The SH channel provides the convenience of pre-punched slots, which eliminate the need for field drilling.

The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.

Designed for use with 1/2" threaded rod. Order rod separately.



Catalog No.	Tray Width in.	Tray Width mm	Channel Length in.	Channel Length mm	Uniform Load lbs	Uniform Load kN
9(*)-5506-22SH(†)	6	152	16	406	1600	7.11
9(*)-5509-22SH(†)	9	229	18	457	1250	5.56
9(*)-5512-22SH(†)	12	305	22	559	1125	5.00
9(*)-5518-22SH(†)	18	457	28	711	865	3.85
9(*)-5524-22SH(†)	24	610	34	864	700	3.11
9(*)-5530-22SH(†)	30	762	40	1016	590	2.62
9(*)-5536-22SH(†)	36	914	46	1168	510	2.27
9(*)-5542-22SH(†)	42	1067	52	1321	450	2.00

- (†) Insert 3/8 for 3/8" threaded rod hardware.
- (*) Insert P or G

Safety factor 3.0 on all loads.

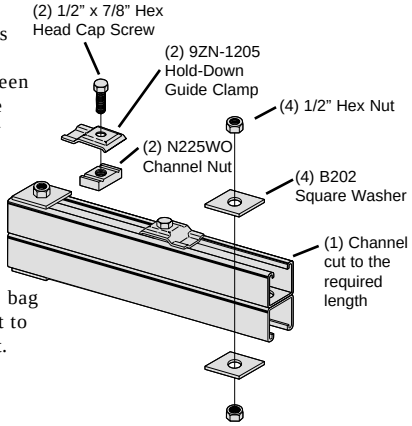
Heavy Duty Trapeze Support Kits

B-Line's trapeze kits provide the components required for a single trapeze support in one package. These kits are available in Dura-Green epoxy coated steel with zinc-plated hardware or hot dip galvanized steel with mechanically galvanized hardware.

The SH channel provides the convenience of pre-punched slots, which eliminates the need for field drilling.

The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.

Designed for use with 1/2" threaded rod. Order rod separately.

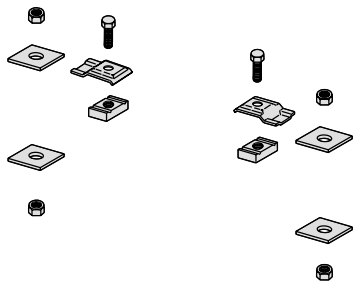


Catalog No.	Tray Width in.	Tray Width mm	Channel Length in.	Channel Length mm	Uniform Load lbs	Uniform Load kN
9(*)-5506-22SHA	6	152	16	406	1350	6.01
9(*)-5509-22SHA	9	229	18	457	1350	6.01
9(*)-5512-22SHA	12	305	22	559	1350	6.01
9(*)-5518-22SHA	18	457	28	711	1350	6.01
9(*)-5524-22SHA	24	610	34	864	1350	6.01
9(*)-5530-22SHA	30	762	40	1016	1350	6.01
9(*)-5536-22SHA	36	914	46	1168	1350	6.01
9(*)-5542-22SHA	42	1067	52	1321	1350	6.01

- (*) Insert GRN or G

Safety factor 3.0 on all loads.

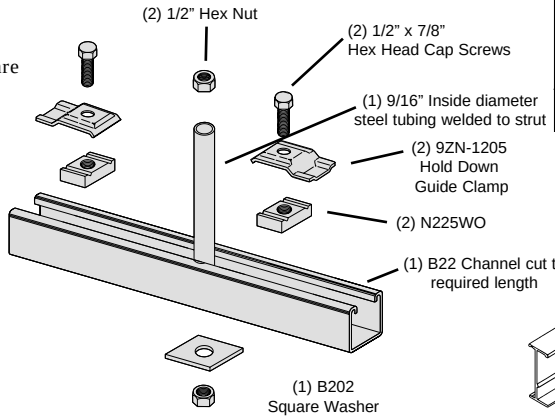
Trapeze Hardware Kit



Catalog No.	9ZN-5500-1/2	9G-5500-1/2
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2 x 7/8 pltd 2 N525 WO pltd 4 B202 pltd 1/2" sq washer 4 HN 1/2 pltd	1 pr. 9G-1205 2 HHC Screw 1/2 x 7/8 SS6 2 N525 WO SS6 4 B202 HDG 1/2" sq washer 4 HN 1/2 SS6

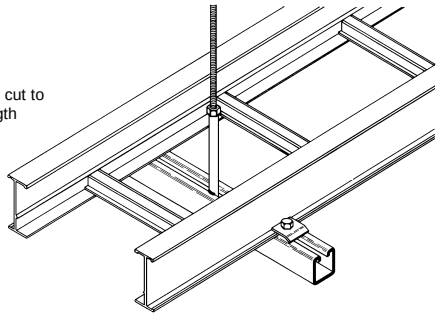
Center Hung Cable Tray Supports

- B-Line's unique Center Hung Cable Tray Support allows cable to be laid-in from both sides.
- Eliminates costly cable pulling and field cutting of cable tray supports. Labor costs are dramatically reduced.
- Required hardware and threaded rod material for trapeze assemblies are reduced by 50%.
- Designed for use with 1/2" threaded rod. (Order rod separately)
- Use with all aluminum and steel cable trays through 24" width.
- Load capacity is 700 lbs. per support. Eccentric loading is not to exceed a 60% vs. 40% load differential.
- The maximum recommended unsupported span length is 144"/12 ft. (3.66m).
- Hardware shown is furnished.

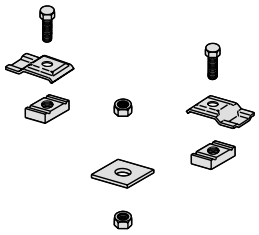


Catalog No.	Tray Width	Channel Length
9G-5212	6", 9", 12"	18"
9G-5224	18", 24"	30"

G = Hot Dip Galvanized

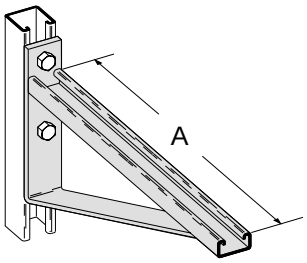


Center Hung Support Hardware Kit



Catalog No.	9ZN-5200
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2 x 7/8 pltd 2 N525 WO pltd 1 B202 pltd 1/2" sq washer 2 HN 1/2 pltd

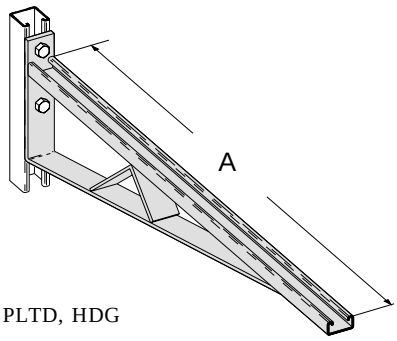
Brackets



Finishes available: GRN, PLTD, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-12	1580	7.02	6 & 9	152 & 229	12	305
B494-18	830	3.69	12	305	18	457
B494-24	830	3.69	18	457	24	610

Brackets

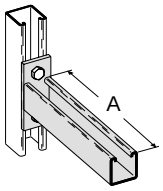


Finishes available: GRN, PLTD, HDG

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-30	750	3.33	24	610	30	762
B494-36	665	2.95	30	762	36	914
B494-42	580	2.58	36	914	42	1067
B494-48	500	2.22	42	1067	48	1219

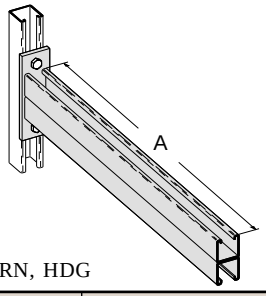
Safety Factor of 3.0 on all loads

Cantilever Brackets



Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409-12	800	3.55	6 & 9	152 & 229	12	305
B409-18	530	2.35	12	305	18	457
B409-24	400	1.78	18	457	24	610

Cantilever Brackets



Finishes available: PLTD, GRN, HDG

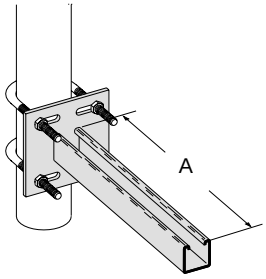
Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B297-12	1660	7.37	6 & 9	152 & 229	12	305
B297-18	1100	4.88	12	305	18	457
B297-24	835	3.71	18	457	24	610
B297-30	665	2.95	24	610	30	762
B297-37	550	2.44	30	762	36	914
B297-42	465	2.06	36	914	42	1067

Underfloor Support

Works with U-Bolts - not included

U-Bolt Size	Fits Pipe O.D.
B501-3/4	.841 - 1.050
B501-1	1.051 - 1.315
B501-1 1/4	1.316 - 1.660
B501-1 1/2	1.661 - 1.900
B501-2	1.901 - 2.375
B501-2 1/2	2.376 - 2.875

- Order properly sized U-Bolts separately.

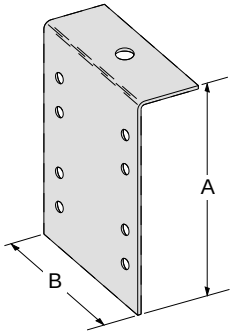


Finish available: PLTD

Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409UF-12	800	3.55	6 & 9	152 & 229	12	305
B409UF-18	530	2.35	12	305	18	457
B409UF-24	400	1.78	18	457	24	610

Vertical Tray Hanger

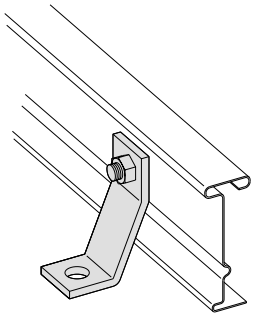
- (*) Insert ZN or G
- Shipped without hardware (use splice hardware).



Catalog No.	Outside Cable Tray Ht.	'A' in.	'A' mm	'B' in.	'B' mm
9(*)-8224	4”	3.88	98.43	2.84	72.23
9(*)-8225	5”	4.75	120.65	3.73	94.46
9(*)-8226	6”	5.88	149.23	4.84	123.03
9(*)-8227	7”	6.88	174.63	5.84	148.43

Heavy Duty Hold-Down Bracket

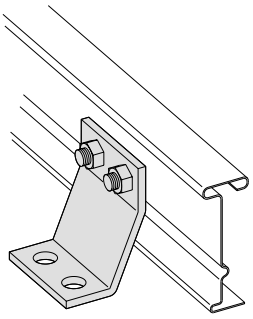
- Design load is 2000 lbs/pair.
- Two bolt design.
- Sold in pairs.
- 3/8” cable tray attachment hardware provided.
- 1/2” support attachment hardware **not** provided.
- (*) Insert ZN or G



Catalog No.	9(*)-1241

Heavy Duty Hold-Down Bracket

- Design load is 4000 lbs/pair.
- Four bolt design.
- Sold in pairs.
- 3/8” cable tray attachment hardware provided
- 1/2” support attachment hardware **not** provided.
- (*) Insert ZN or G



Catalog No.	9(*)-1242

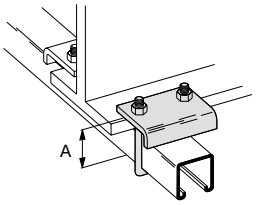
Safety Factor of 3.0 on all loads

Series 2,3,4,&5 Steel-Accessories

Beam Clamp

- Finishes available: ZN, HDG
- Sold in pieces.

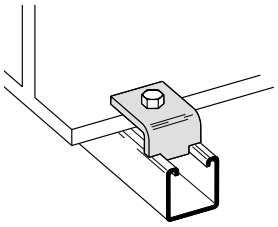
* When used in pairs.



Cat. No.	B441-22		B441-22A	
Design Load *	1275 lbs.	5.66 kN	1275 lbs.	5.66kN
'A' Dimension	3 3/4"	95mm	5"	127mm

Beam Clamp B355

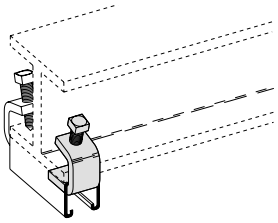
- Finishes available: ZN, HDG, GRN, SS4
- Sold in pieces.
- Design load is 1200 lbs. when used in pairs.
- Order HHCS and Channel Nuts separately.



Beam Clamp

- Finishes available: ZN, GRN, HDG
- Sold in pieces.

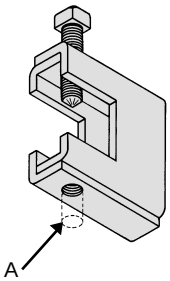
* When used in pairs.

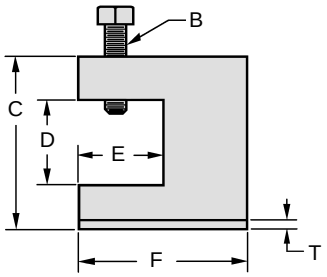


Cat. No.	B212-1/4		B212-3/8	
Design Load *	600 lbs.	2.66 kN	1000 lbs.	4.44 kN
Max. Flange Thick.	3/4"	19 mm	1 1/8"	29 mm
Mat'l. Thickness	1/4"	6 mm	3/8"	10 mm

B305 Thru B308 & B321 Series Beam Clamps

- Finishes available: ZN, HDG
- Setscrew included.

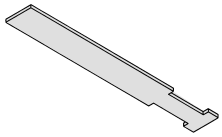




Design load safety factor of 5.

Cat. No.	Rod Size A	B	C	D	E	F	T	Design Load lbs	Design Load kN
B305	3/8"-16	3/8"-16	2 5/16"	7/8"	1 1/8"	2 1/2"	11 Ga.	600	2.66
B306	3/8"-16	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.88
B307	1/2"-13	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.88
B308	1/2"-13	1/2"-13	2 9/16"	7/8"	1 1/8"	2 1/2"	1/4"	1500	6.66
B321-1	3/8"-16	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	1300	5.77
B321-2	1/2"-13	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	1400	6.21

B312 Anchor Strap



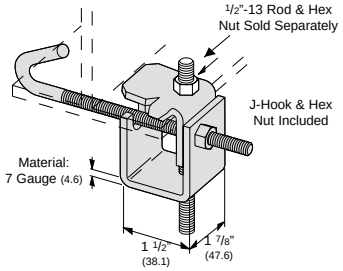
- Finish available: ZN
- For a maximum beam thickness of 3/4".
- For thicker beams, step up one flange width size.

Cat. No.	Flange Width
B312-6	Up to 6"
B312-9	6" - 9"
B312-12	9" - 12"

Beam Clamp

Catalog No.	For Flange Width in.	mm	Wt./C lbs	kg
B750-J4	3"- 6"	76.2 - 152.4	109	49.4
B750-J6	5"- 9"	127.0 - 288.6	124	56.2
B750-J9	8"- 12"	203.2 - 304.8	135	61.2
B750-J12	11"- 15"	279.4 - 381.0	147	66.7

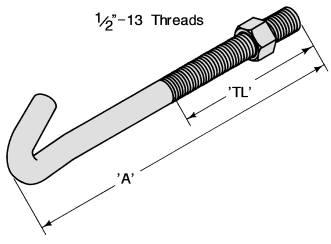
- Finish available: ZN
- Design Load 500 lbs. (2.22 kN)
- Recommended torque: 'J'-Hook Nut 125 In.-Lbs. (14.1 kN/m)
- Maximum flange thickness of 3/4"



Beam Clamp

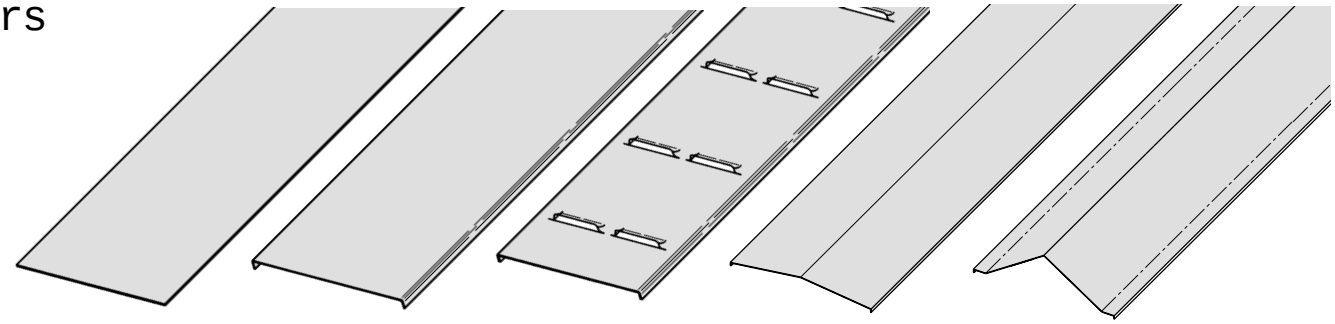
Catalog No.	'A' in.	mm	Thread Length 'TL' in.	mm	Wt./C lbs	kg
B700-J4	8 1/2"	215.9	5"	127.0	44	19.9
B700-J6	11 1/2"	292.1	6"	152.4	53	24.0
B700-J9	12 1/4"	368.3	6"	152.4	63	28.6
B700-J12	17 1/2"	444.5	6"	152.4	78	35.4

- Finish available: ZN
- Hex Nut included.



Safety Factor of 5.0 on all loads

Covers



Solid Non-Flanged | Solid Flanged | Ventilated Flanged | Peaked Flanged | 2 to 3 Pitch Peaked Flanged

A full range of covers is available for straight sections and fittings.

Solid covers should be used when maximum enclosure of the cable is desired and no accumulation of heat is expected. **Ventilated covers** provide an overhead cable shield yet allow heat to escape.

B-Line recommends that covers be placed on vertical cable tray runs to a height of 6 ft. (1.83m) to 8 ft. (2.44 m) above the floor to isolate both cables and personnel. **Flanged covers** have a 1/2 in. (13mm) flange. Cover clamps are not included with the cover and must be ordered separately. All **peaked covers** are flanged. Standard peaked covers have 1/2" peak. Special purpose peaked covers, having a 2 to 3 pitch, provide additional slope and material thickness. The 2 to 3 pitch fitting covers are of multiple piece, welded construction.

Steel Cover Part Numbering

Prefix

Example: 80 2 P - 20 - 24 - 144

Cover Type
80 = Solid
81 = Ventilated
82 = Peaked
83 = 2 to 3 Pitch Peaked

Detail
2= Flanged Steel (248, 258, 268 straight sections and all fittings)
3= Flanged Steel (All straight sections except 248, 258, 268)
4= Non-Flanged Steel (80 & 81 type only) (248, 258, 268 straight sections and all fittings.)
5= Non-Flanged Steel (80 & 81 type only) (All straight sections except 248, 258, 268)

Material
P= Pre-Galvanized (Not available in Type 83)
G= HDGAF
SPVC= Steel, PVC Coated

Material Thickness
20 = 20 Pre-Galv
18 = 18 HDGAF
16 = 16 Ga. Steel 2 to 3 pitch straight sections
18 = 18 Ga. Steel 2 to 3 pitch fittings

Tray Width
06 = 6"
09 = 9"
12 = 12"
18 = 18"
24 = 24"
30 = 30"
36 = 36"

Item Description
For Straight Section Covers:
Pre-Galvanized Only:
144 = 12 ft. (3.66m)
120 = 10 ft. (3.05m)
Pre-Galvanized & HDGAF
72 = 6 ft. (1.83m)
60 = 5 ft. (1.52m)
For fitting covers: Insert suffix of fitting to be covered. See example below.

Examples of Catalog Numbers for Fitting Covers:

Horizontal Bend Cover

Prefix | Suffix

80 2 P 20 - 18 - 90 HB 24

- 24 — Radius
- HB — Fitting
- 90 — Angle
- 18 — Width
- 20 — Material Thickness
- P — Material
- 2 — Detail
- 80 — Cover Type

Vertical Bend Cover

Prefix | Suffix

80 2 G 18 - 24 - 90 VO 24 - 4*

- 4* — Siderail Height
- 24 — Radius
- VO — Fitting
- 90 — Angle
- 24 — Width
- 18 — Material Thickness
- G — Material
- 2 — Detail
- 80 — Cover Type

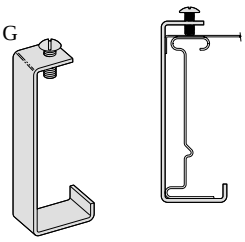
* Required for VO fittings only

2 to 3 Pitch	
Tray Width	Peak Height
6″	2″
9″	3″
12″	4″
18″	6″
24″	8″
30″	10″
36″	12″

Series 2,3,4,&5 Steel-Accessories

Standard Cover Clamp

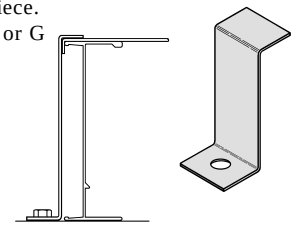
- For indoor service only.
- Sold per piece.
- (*) Insert ZN or G



Tray Type	Siderail Height in.	Siderail Height mm	Catalog No.
Steel	4	101	9(*)-9014
	5	127	9(*)-9015
	6	152	9(*)-9016
	7	178	9(*)-9017

Combination Cover and Hold-Down Clamp

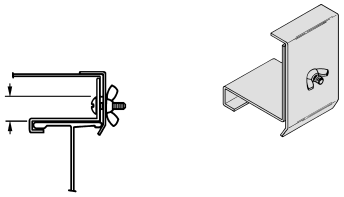
- Sold per piece.
- (*) Insert P or G



Tray Type	Siderail Height in.	Siderail Height mm	Catalog No.
Steel	4	101	9(*)-9043
	5	127	9(*)-9053
	6	152	9(*)-9063
	7	178	9(*)-9073

Raised Cover Clamp

- For indoor service only.



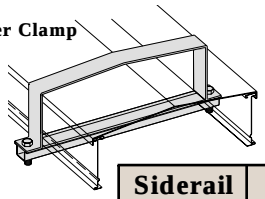
† Specify gap of 1", 2", 3" or 4".

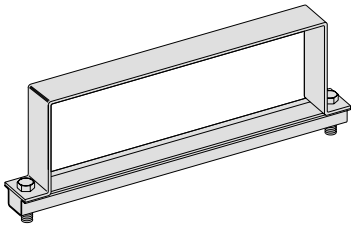
Tray Type	Catalog No.
Series 2 Steel Straight Section	9ZN-9114†
Series 3 & 4 Steel Straight Section	9ZN-9115†
All Steel Fittings (Also Series 1 Steel Straight Sections)	9ZN-910†

Heavy Duty Cover Clamps

- Recommended for outdoor service.
- (*) Insert P or G

Peaked Cover Clamp



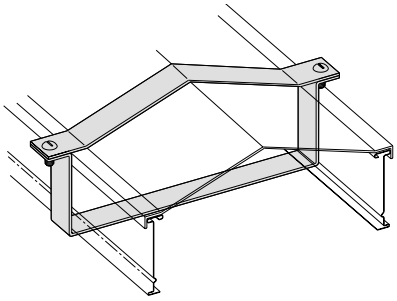


W = Tray Width
† Add P to Catalog No. for 1/2" peaked cover clamp.

Siderail Height in.	Siderail Height mm	Catalog No.
4	101	9(*)-W-9044†
5	127	9(*)-W-9054†
6	152	9(*)-W-9064†
7	178	9(*)-W-9074†

2 to 3 Pitch Peaked Cover Clamps

- Recommended for outdoor service.



W = Tray Width

Siderail Height in.	Siderail Height mm	Catalog No.
4	101	9G-W-9P44
5	127	9G-W-9P54
6	152	9G-W-9P64
7	178	9G-W-9P74

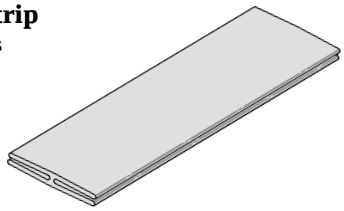
Quantity of Standard Cover Clamps Required

Straight Section 60" or 72".....4 pcs.
Straight Section 120" or 144".....6 pcs.
Horizontal/Vertical Bends .....4 pcs.
Tees .....6 pcs.
Crosses .....8 pcs.

Note: When using the Heavy Duty Cover Clamp, only one-half the number of clamps stated above is required.

Cover Joint Strip

- Used to join covers
- Plastic
- W = Tray Width



Catalog No.	99-9980-W

Section 1- Acceptable Manufacturers

1.01 Manufacturer: Subject to compliance with these specifications, cable tray systems shall be as manufactured by B-Line Systems, Inc.

Section 2- Cable Tray Sections and Components

2.01 General: Except as otherwise indicated, provide metal cable trays, of types, classes and sizes indicated; with splice plates, bolts, nuts and washers for connecting units. Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features. Cable tray shall be installed according to the latest revision of NEMA VE-2.

2.02 Pre-Galvanized Steel: Straight sections, fitting side rails, rungs, and covers shall be made from structural quality steel meeting the minimum mechanical properties and mill galvanized in accordance with ASTM A653 SS, Grade 33, coating designation G90. Hardware finish shall be electrogalvanized zinc per ASTM B633.

2.03 Hot Dip Galvanized Steel: All side rails, covers, splice plates, and rungs shall be made from structural quality steel meeting the minimum mechanical properties of ASTM A570, Grade 33 for 14 gauge and heavier, ASTM A611, Grade C for 16 gauge and lighter, and shall be hot dip galvanized after fabrication in accordance with ASTM A123. Mill galvanized covers are not acceptable for hot dip galvanized cable tray. Hardware finish shall be chromium zinc per ASTM F-1136-88.

2.04 Ladder Cable Trays shall consist of two longitudinal members (side rails) with transverse members (rungs) welded to the side rails. Rungs shall be spaced [6] [9] [12] inches on center. Rung spacing in radiused fittings shall be industry standard 9” and measured at the center of the tray’s width. No portion of the rungs shall protrude below the bottom plane of the side rails. Each rung must be capable of supporting a 200 lb. concentrated load at the center of the cable tray over and above the cable load with a safety factor of 1.5.

2.05 Ventilated Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or rungs spaced 4" on center. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers. To provide ventilation in the tray, the valleys of the corrugated bottom shall have 2-1/4" x 4" rectangular holes punched along the width of the bottom.

2.06 Solid Bottom Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or a solid sheet over rungs. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers.

2.07 Cable tray loading depth shall be [3] [4] [5] [6] inches per NEMA VE-1.

2.08 Straight sections shall have siderails fabricated as I-beams. Straight sections shall be supplied in standard [12 foot] [24 foot] [10 foot (3m)] [20 foot (6m)] lengths.

2.09 Cable tray widths shall be [6] [9] [12] [18] [24] [30] [36] inches or as shown on drawings.

2.10 Splice plates shall be manufactured of high strength steel, meeting the minimum mechanical properties of ASTM A607, Grade 50 and be secured with 8 nuts and bolts per plate. The resistance of fixed splice connections between an adjacent section of tray shall not exceed 0.00033 ohm.

2.11 All fittings must have a minimum radius of [12] [24] [36] [48] inches.

Section 3- Loading Capacities and Testing

3.01 Cable tray shall be capable of carrying a uniformly distributed load of _____ lbs./ft. on a _____ ft. support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE1-5.2. In addition to the uniformly distributed load the cable tray shall support 200 lbs. concentrated load at mid-point of span. Load and safety factors specified are applicable to both the side rails and rung capacities. Cable tray shall be made to manufacturing tolerances as specified by NEMA.

3.02 Upon request, manufacturer shall provide test reports in accordance with the latest revision of NEMA VE-1 or CSA C22.2 No. 126.

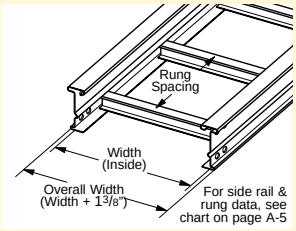
3" NEMA VE-1 Loading Depth

Straight Section Part Numbering

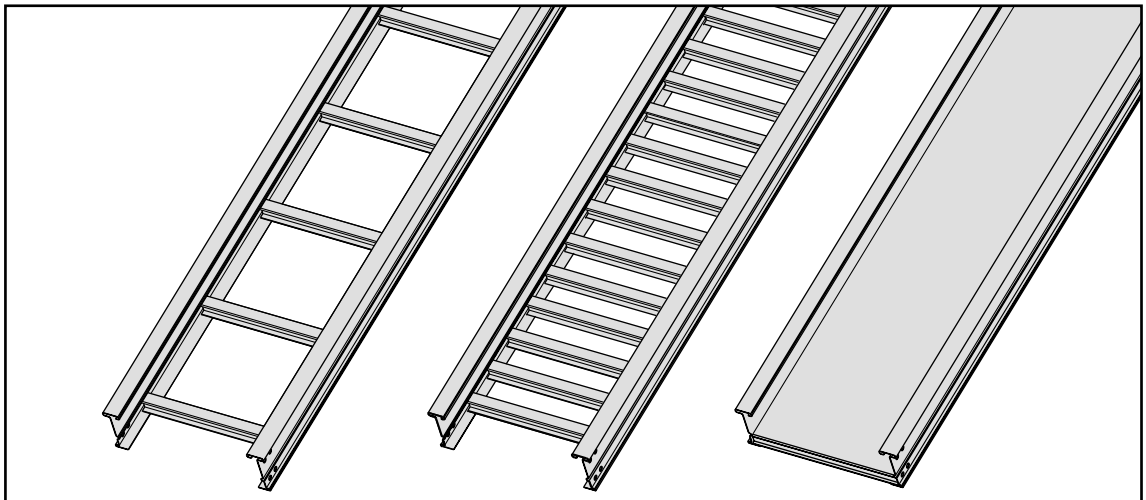
Prefix

Example: 348 SS6 09 - 24 - 144

Series	Material	*Type	*Width	Length
348	SS4 = 304 Stainless Steel	**Ladder-**	06 = 6"	144 = 12 ft.
	SS6 = 316 Stainless Steel	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
		09 = 9" rung spacing	12 = 12"	288 = 24 ft.
		12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
		Trough-	30 = 30"	
		6" and Wider	36 = 36"	
		04 = Vented Bottom		
		SB = Solid Bottom		

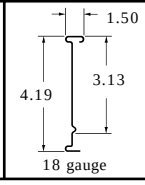


See page A-1, for additional rung options. *Special sizes available.



Ladder Type (Specify Rung Spacing) | Vented Bottom | Solid Bottom

Values are based on simple beam tests per NEMA VE-1 on 36" wide cable tray rungs spaced on 12" centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable being installed.

B-Line Series	Side Rail Dimensions	NEMA, CSA Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
348 SS†		NEMA: 16A, 12C	10	180	0.0055		3.0	268	0.0938	
		CSA: C1-3m	12	125	0.011	Area=0.74 in^2	3.7	186	0.1877	Area=4.77 cm^2
			14	92	0.022	Sx=0.79 in^3	4.3	137	0.375	Sx=12.95 cm^3
			16	70	0.036	Ix=1.85 in^4	4.9	104	0.614	Ix=77.02 cm^4
			18	56	0.058		5.5	83	0.990	
			20	45	0.088		6.1	67	1.501	

When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus. † Insert 4 for 304 stainless steel or 6 for 316 stainless steel.

Series 3&4 Stainless Steel- Straight Sections

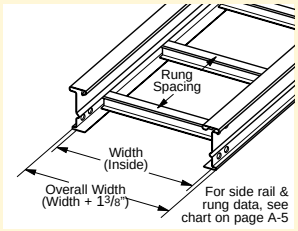
4" NEMA VE-1 Loading Depth

Straight Section Part Numbering

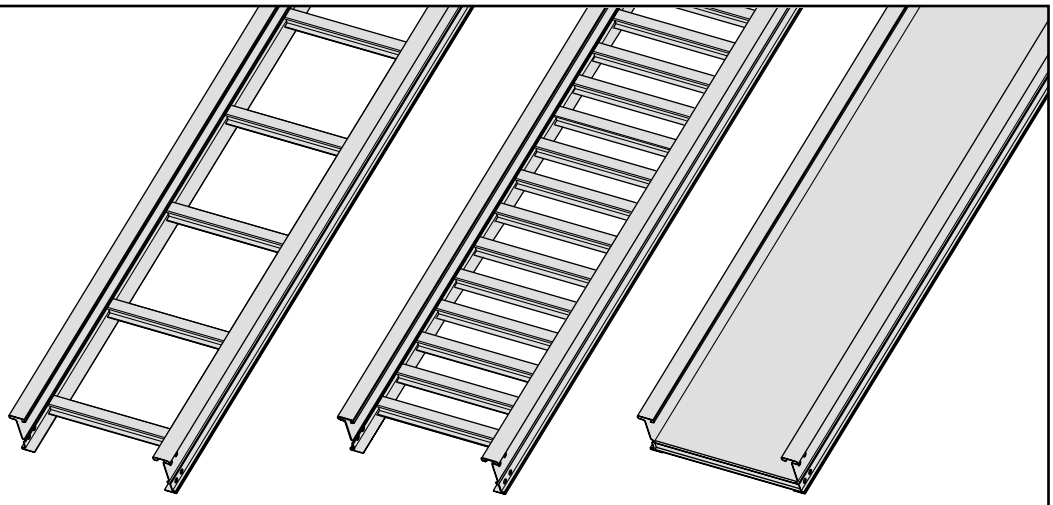
Prefix

Example: 358 SS6 09 - 24 - 144

Series	Material	*Type	*Width	Length
358	SS4 = 304 Stainless Steel SS6 = 316 Stainless Steel	**Ladder-** 06 = 6" rung spacing 09 = 9" rung spacing 12 = 12" rung spacing **Trough-** 6" and Wider 04 = Vented Bottom SB = Solid Bottom	06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	144 = 12 ft. 120 = 10 ft. 288 = 24 ft. 240 = 20 ft.

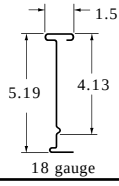


See page A-1, for additional rung options. *Special sizes available.



Ladder Type (Specify Rung Spacing) | Vented Bottom | Solid Bottom

Values are based on simple beam tests per NEMA VE-1 on 36" wide cable tray rungs spaced on 12" centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable being installed.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
358 SS†		NEMA: 20A, 16B CSA: N/A	10	248	0.0029		3.0	369	0.0495	
			12	172	0.0062	Area=0.83 in^2	3.7	256	0.1058	Area=5.36 cm^2
			14	127	0.011	Sx=1.09 in^3	4.3	189	0.188	Sx=17.87 cm^3
			16	97	0.019	Ix=3.10 in^4	4.9	144	0.324	Ix=129.05 cm^4
			18	77	0.031		5.5	115	0.529	
			20	62	0.047		6.1	92	0.802	

When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus. † Insert 4 for 304 stainless steel or 6 for 316 stainless steel.

Series 3&4 Stainless Steel- Straight Sections

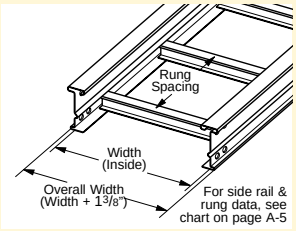
5" NEMA VE-1 Loading Depth

Straight Section Part Numbering

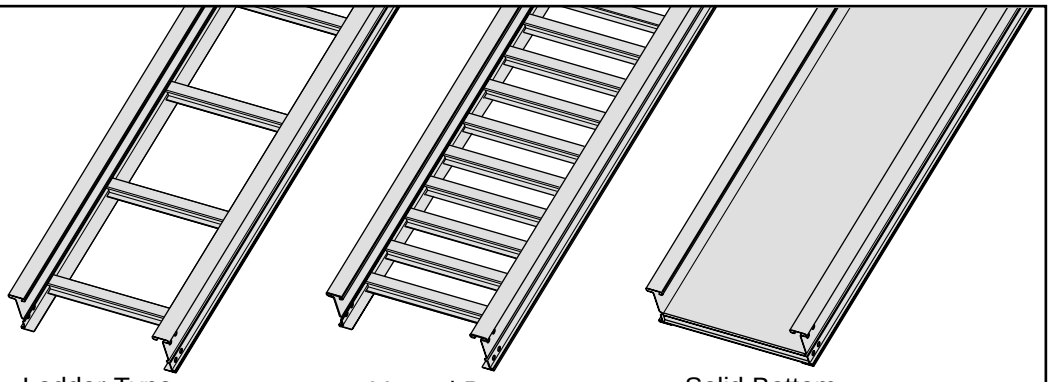
Prefix

Example: 368 SS6 09 - 24 - 144

Series	Material	*Type	*Width	Length
368	SS4 = 304 Stainless Steel	**Ladder-**	06 = 6"	144 = 12 ft.
464	SS6 = 316 Stainless Steel	06 = 6" rung spacing	09 = 9"	120 = 10 ft.
		09 = 9" rung spacing	12 = 12"	288 = 24 ft.
		12 = 12" rung spacing	18 = 18"	240 = 20 ft.
			24 = 24"	
		Trough-	30 = 30"	
		6" and Wider	36 = 36"	
		04 = Vented Bottom		
		SB = Solid Bottom		

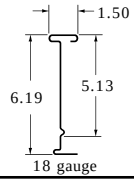


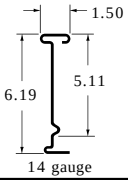
See page A-1, for additional rung options. *Special sizes available.



Ladder Type (Specify Rung Spacing) | Vented Bottom | Solid Bottom

Values are based on simple beam tests per NEMA VE-1 on 36" wide cable tray rungs spaced on 12" centers. Cable trays will support without collapse a 200 lb. (91 kg.) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable being installed.

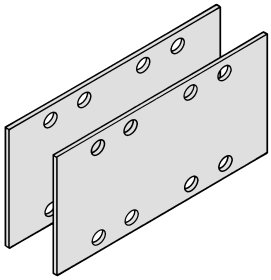
B-Line Series	Side Rail Dimensions	NEMA, CSA Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
368 SS†		NEMA: 20A, 16B CSA: D1-3m	10	235	0.0018		3.0	350	0.0307	
			12	163	0.0037	Area=0.92 in²	3.7	243	0.0631	Area=5.94 cm²
			14	120	0.0068	Sx=1.41 in³	4.3	179	0.116	Sx=23.11 cm³
			16	92	0.012	Ix=4.77 in⁴	4.9	137	0.205	Ix=198.58 cm⁴
			18	73	0.019		5.5	109	0.324	
			20	59	0.028		6.1	88	0.478	

B-Line Series	Side Rail Dimensions	NEMA, CSA Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
464 SS†		NEMA: 20C+ CSA: E-6m	12	325	0.0024		3.7	483	0.0409	
			16	193	0.0074	Area=1.49 in²	4.9	287	0.1263	Area=9.61 cm²
			18	152	0.012	Sx=2.28 in³	5.5	226	0.205	Sx=7.37 cm³
			20	123	0.018	Ix=7.65 in⁴	6.1	183	0.307	Ix=318.47 cm⁴
			22	102	0.027		6.7	152	0.461	
			24	86	0.038		7.3	128	0.648	

When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus. † Insert 4 for 304 stainless steel or 6 for 316 stainless steel.

Splice Plates

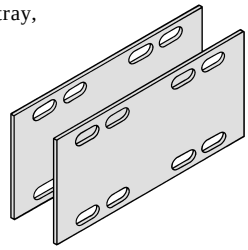
- Standard 8-hole pattern for all stainless steel splice plates.
- Furnished in pairs with hardware.
- One pair including hardware provided with straight section.
- Prepackaged in pairs in a plastic bag, with hardware.
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8004	4	101
9(*)-8005	5	127
9(*)-8006	6	152

Expansion Splice Plates

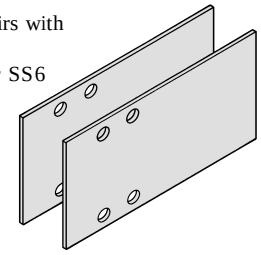
- Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints occur in the support structure.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required. Order Separately.**
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8014	4	101
9(*)-8015	5	127
9(*)-8016	6	152

Universal Splice Plates

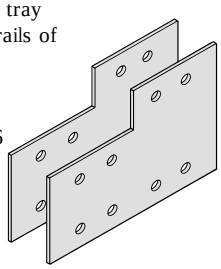
- Used to splice to existing cable tray systems.
- Furnished in pairs with hardware.
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8004-1/2	4	101
9(*)-8005-1/2	5	127
9(*)-8006-1/2	6	152

Step Down Splice Plates

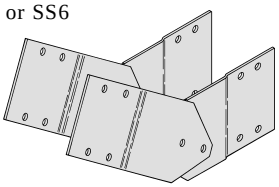
- These splice plates are offered for connecting cable tray sections having siderails of different heights.
- Furnished in pairs with hardware.
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8045	5 to 4	127 to 101
9(*)-8046	6 to 4	152 to 101
9(*)-8060	6 to 5	152 to 127

Vertical Adjustable Splice Plates

- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.
- (*) Insert SS4 or SS6

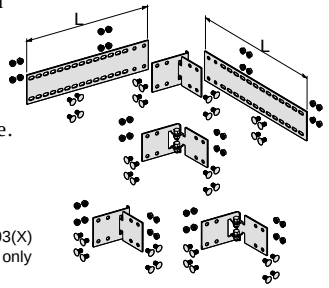


Catalog No.	Height	
	in.	mm
9(*)-8024	4	101
9(*)-8025	5	127
9(*)-8026	6	152

Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.
- (*) Insert SS4 or SS6
- (X) Insert 4, 5 or 6 for siderail height.

9(*)-803(X)-12 or 9(*)-803(X)-36
One pair splice plates with extensions.

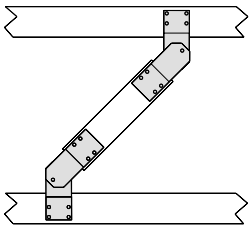


9(*)-803(X)
Splice only

Catalog No. No.	Cable Tray End Cut	Tray Width	'L'
9(*)-803(X)	Mitered	Thru 36”	N/A
9(*)-803(X)-12	Not Mitered	Thru 12”	16”
9(*)-803(X)-36	Not Mitered	Thru 36”	41”

Branch Pivot Connectors

- Branch from existing cable tray runs at any point.
- Pivot to any required angle.
- Can be used with vertical adjustable splice plates to form vertical tees or wyes.
- UL Classified for grounding (bonding jumper not required).
- Furnished in pairs with hardware.
- (*) Insert SS4 or SS6

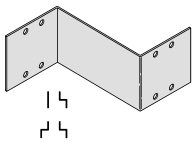


Catalog No.	Height	
	in.	mm
9(*)-8244	4	101
9(*)-8245	5	127
9(*)-8246	6	152

Series 3&4 Stainless Steel-Accessories

Offset Reducing Splice Plate

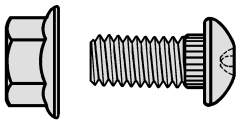
- This plate is used for joining cable trays having different widths. When used in pairs they form a straight reduction; when used singly with a standard splice plate they form an offset reduction.
- Furnished as one plate with hardware.
- R= reduction
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8064-R	4	101
9(*)-8065-R	5	127
9(*)-8066-R	6	152

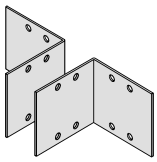
Type 316 Tray Hardware

Catalog No. RNCB 3/8 x 3/4 SS6
Ribbed Neck Carriage Bolt, 316 Stainless Steel
Catalog No. SFHN 3/8 SS6
Hex Nut , 316 Stainless Steel



Tray to Box Splice Plates

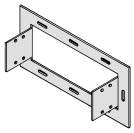
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8054	4	101
9(*)-8055	5	127
9(*)-8056	6	152

Frame Type Box Connector

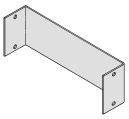
- Designed to attach the end of a cable tray run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with cable tray connection hardware.
- W = tray width
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8074-W	4	101
9(*)-8075-W	5	127
9(*)-8076-W	6	152

Blind End

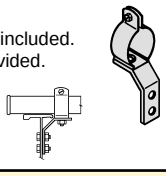
- This plate forms a closure for a dead end cable tray.
- Furnished as one plate with hardware.
- W = tray width
- (*) Insert SS4 or SS6



Catalog No.	Height	
	in.	mm
9(*)-8084-W	4	101
9(*)-8085-W	5	127
9(*)-8086-W	6	152

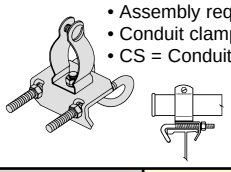
Conduit to Tray Adaptors

- Assembly required.
- Mounting hardware included.
- Conduit clamps provided.
- CS = Conduit size.



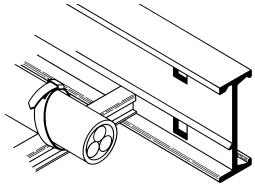
Cat. No.	9SS4-1150-CS

- Assembly required.
- Conduit clamp included.
- CS = Conduit size.



Cat. No.	9SS4-1155-CS

Cable Ties (Ladder Tray)



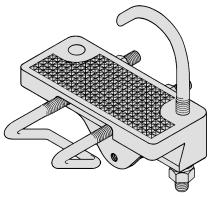
Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. of 3" (76mm).

Overall Length 15"

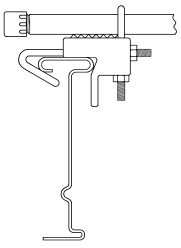
Catalog No.	99-2125

Conduit to Tray Adaptors

- For easy attachment of conduit terminating at a cable tray.
- Use on aluminum or steel cable trays.
- (*) Insert G or ZN



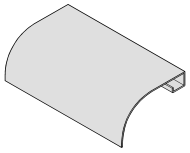
Catalog No.	Conduit Size	
	in.	mm
9(*)-1158-1/2, 3/4	1/2, 3/4	15, 20
9(*)-1158-1, 1 1/4	1, 1 1/4	25, 32
9(*)-1158-1 1/2, 2	1 1/2, 2	40, 50
9(*)-1158-2 1/2, 3	2 1/2, 3	65, 80
9(*)-1158-3 1/2, 4	3 1/2, 4	90, 100

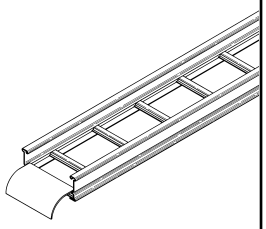


Steel I-Beam

Ladder Drop-Out

- Specially-designed Ladder Drop-Outs provide a rounded surface with 4" (101mm) radius to protect cable as it exits from the cable tray, preventing damage to insulation. The drop-out will attach to any desired rung.
- W = tray width
- (*) Insert SS4 or SS6



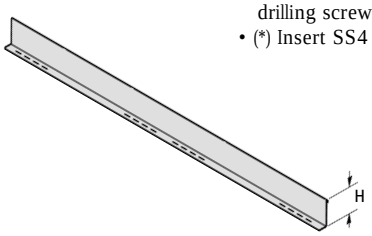


Catalog No.	9(*)-1104-W

Barriers

Straight Sections

- Standard length: 120" (3m) 144" (12').
- Order catalog number based on loading depth.
- Furnished with four #10 x 1/2" SS4 self-drilling screws and a 99-9982 splice.
- (*) Insert SS4 or SS6

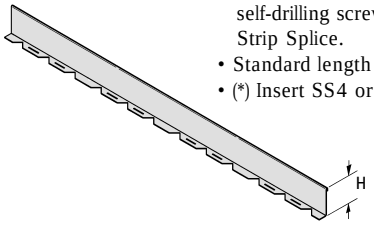


Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73(*)-Length	4	101	3	76
74(*)-Length	5	127	4	101
75(*)-Length	6	152	5	127

Length = 144 for 12' or 120 for 10'

Horizontal Bend

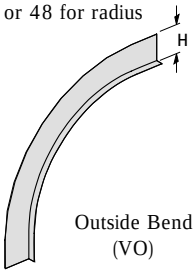
- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Cut to length.
- Order catalog number based on loading depth.
- Furnished with three #10 x 1/2" SS4 self-drilling screws and a 99-9982 Barrier Strip Splice.
- Standard length is 72" (6ft.), sold individually.
- (*) Insert SS4 or SS6



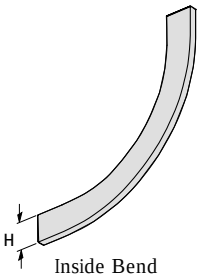
Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73(*)-90HBFL	4	101	3	76
74(*)-90HBFL	5	127	4	101
75(*)-90HBFL	6	152	5	127

Vertical Bend Barriers

- Vertical Bend Barriers are preformed to conform to a specific vertical fitting.
- Furnished with three #10 x 1/2" SS4 self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert SS4 or SS6
- (**) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24, 36 or 48 for radius



Outside Bend (VO)

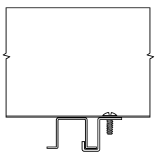


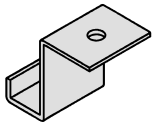
Inside Bend (VI)

Inside Bend Catalog No.	Outside Bend Catalog No.	Siderail Height in.	Siderail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73(*)-(**)VI(†)	73(*)-(**)VO(†)	4	101	3	76
74(*)-(**)VI(†)	74(*)-(**)VO(†)	5	127	4	101
75(*)-(**)VI(†)	75(*)-(**)VO(†)	6	152	5	127

Barrier Strip Clip

- Zinc plated steel barrier clip fastens to either aluminum or steel ladder rung.
- Furnished with one #10 x 1/2" SS4 plated self-drilling screw.
- Insert SS4 or SS6

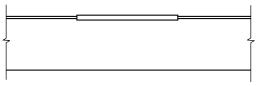


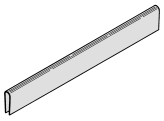


Catalog No.	9(*)-9002

Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.



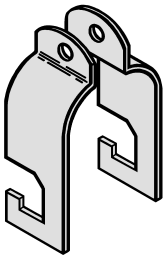


Catalog No.	99-9982

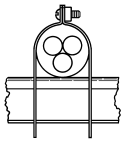
Series 3&4 Stainless Steel-Accessories

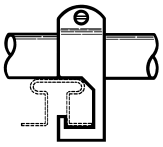
Stainless Steel Cable Clamps

- Fits with series 3 & 4 rungs.
- Shipped flat. Field form around the cable at the time of installation.



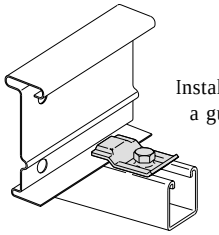
Catalog No.	Cable Size in.	Cable Size mm
9SS4-4100	1.00 - 1.25	25 - 32
9SS4-4125	1.25 - 1.50	32 - 38
9SS4-4150	1.50 - 1.75	38 - 45
9SS4-4175	1.75 - 2.00	45 - 51
9SS4-4200	2.00 - 2.25	51 - 57
9SS4-4225	2.25 - 2.50	57 - 64
9SS4-4250	2.50 - 2.75	64 - 70
9SS4-4275	2.75 - 3.00	70 - 76
9SS4-4300	3.00 - 3.25	76 - 82
9SS4-4325	3.25 - 3.50	82 - 89
9SS4-4350	3.50 - 3.75	89 - 95
9SS4-4375	3.75 - 4.00	95 - 102
9SS4-4400	4.00 - 4.25	100 - 106
9SS4-4425	4.25 - 4.50	106 - 113
9SS4-4450	4.50 - 4.75	113 - 121
9SS4-4475	4.75 - 5.00	121 - 125



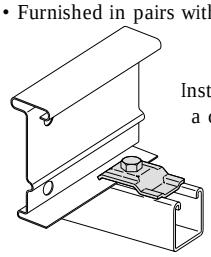


Cable Tray Clamp/ Guide

- Features a no-twist design.
- Has four times the strength of the traditional design.
- Each side is labeled to ensure proper installation.
- Available for either 3/8" or 1/2" hardware.
- Furnished in pairs without hardware.



Installed as a guide.



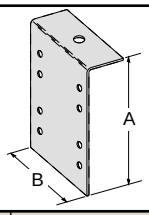
Installed as a clamp.

Patent # RE35479

Catalog No.	9SS6-1205

Vertical Tray Hanger

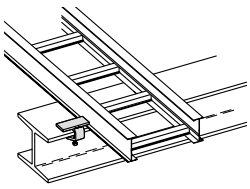
- (*) Insert SS4 or SS6
- Design load 1500 lbs/pair.
- Shipped without hardware (use splice hardware).

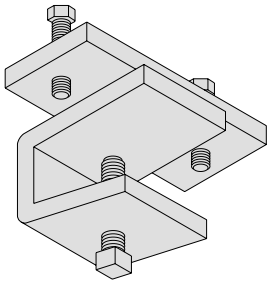


Catalog No.	Outside Cable Tray Ht.	'A' in.	'A' mm	'B' in.	'B' mm
9(*)-1224	4"	3.88	98.43	2.84	72.23
9(*)-1225	5"	4.75	120.65	3.73	94.46
9(*)-1226	6"	5.88	149.23	4.84	123.03
9(*)-1227	7"	6.88	174.63	5.84	148.43

Cable Tray Clamp

- Hold-down clamps for single cable tray runs.
- No drilling of support I-beam or channel is required.
- Sold in pieces - two clamps are required per tray.
- Maximum beam flange thickness 1 1/8" (28.58mm).

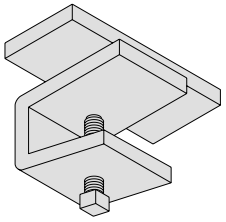




Catalog No.	Finish
9G-1249HD	HDGAF

Cable Tray Guide

- Expansion guide for single or double cable tray runs.
- Guide allows for longitudinal movement of the cable tray.
- No field drilling of support I-beam or channel is required.
- Guides are required on both sides of cable tray to prevent lateral movement - can be placed on either the inside or outside flange of cable tray.
- Guides are sold in pieces - two guides are required per tray.
- Maximum flange thickness 1 1/8" (28.58mm).



Catalog No.	Finish
9G-1249	HDGAF

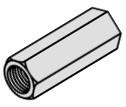
Threaded Rod (ATR) & Rod Couplings

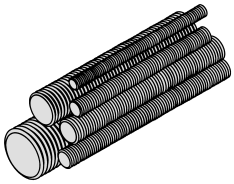
Size	Loading lbs	Catalog No.	Available Lengths	Coupling Cat. No.
3/8-16	610	ATR 3/8 x Length	36", 72", 144"	B655-3/8
1/2-13	1130	ATR 1/2 x Length	36", 72", 144"	B655-1/2

Loading based on safety factor 5.

Standard Finish: SS4 or SS6

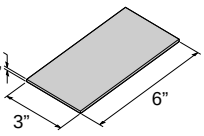
See B-Line Strut Systems Catalog for other sizes and finishes





Nylon Pad

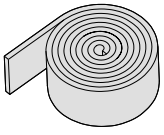
- Use for friction reduction.
- Hardness: Shore D80.
- Low friction coefficient.
- UV resistant (black).
- Excellent weatherability.
- UL - 94HB.



Cat. No.	99-NY36

Neoprene Roll

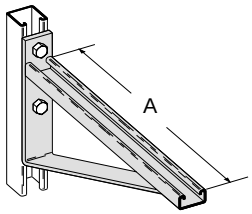
- Use for material isolation.
- 1/8" x 2" x 20' roll.
- Hardness: Shore A60.
- Good weatherability.



Catalog No.	99-NP240

Cantilever Brackets

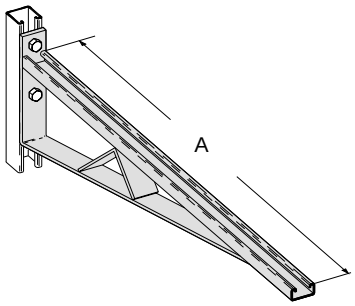
- Safety factor 3.
- (*) Insert SS4 or SS6



Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-12(*)	1580	7.02	6 & 9	152 & 229	12	305
B494-18(*)	830	3.69	12	305	18	457
B494-24(*)	830	3.69	18	457	24	610

Cantilever Brackets

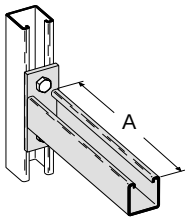
- Safety factor 3.
- (*) Insert SS4 or SS6



Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B494-30(*)	750	3.33	24	610	30	762
B494-36(*)	665	2.95	30	762	36	914
B494-42(*)	580	2.58	36	914	42	1067
B494-48(*)	500	2.22	42	1067	48	1219

Cantilever Brackets

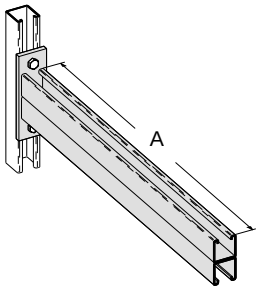
- Safety factor 3.
- (*) Insert SS4 or SS6



Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409-12(*)	800	3.55	6 & 9	152 & 129	12	305
B409-18(*)	530	2.35	12	305	18	457
B409-24(*)	400	1.78	18	457	24	610

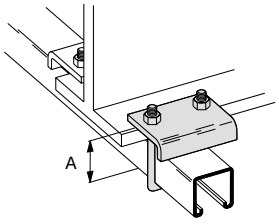
Cantilever Brackets

- Safety factor 3.
- (*) Insert SS4 or SS6



Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B297-12(*)	1660	7.37	6 & 9	152 & 229	12	305
B297-18(*)	1100	4.88	12	305	18	457
B297-24(*)	835	3.71	18	457	24	610
B297-30(*)	665	2.95	24	610	30	762
B297-36(*)	550	2.44	30	762	36	914
B297-42(*)	465	2.06	36	914	42	1067

Beam Clamp

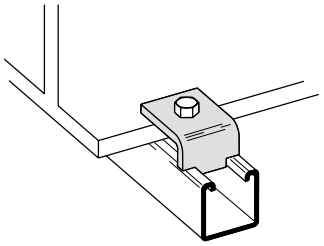


* When used in pairs.
- Sold in pieces with hardware.
- Safety factor 5.
- Finishes available: SS4 or SS6

Catalog No.	Design Load* lbs	Design Load* kN	'A' in.	'A' mm
B441-22(*)	1275	5.66	3 3/4	95
B441-22A(*)	1275	5.66	5	127

Beam Clamp B355SS4

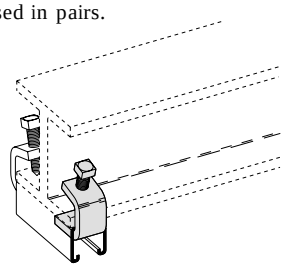
- Sold in pieces.
- Design load is 1200 lbs. when used in pairs.
- Order HHCS and Channel Nuts separately.



Beam Clamp

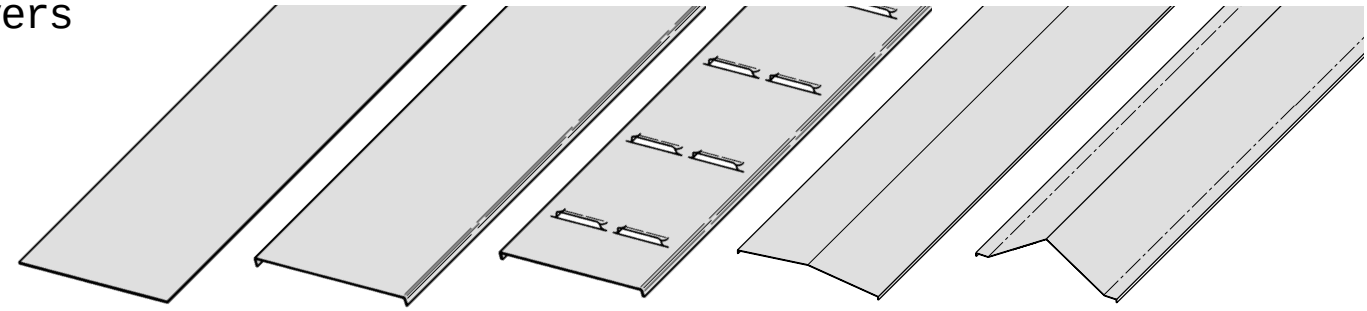
- Sold in pieces.
- 304 stainless steel
- Safety factor 5.

* When used in pairs.



Cat. No.	B212-1/4SS4		B212-3/8SS4	
Design Load *	600 lbs.	2.65 kN	1000 lbs.	5.66 kN
Max. Flange Thick.	3/4"	19 mm	1 1/8"	29 mm
Mat'l. Thickness	1/4"	6 mm	3/8"	10 mm

Covers



Solid Non-Flanged | Solid Flanged | Ventilated Flanged | Peaked Flanged | 2 to 3 Pitch Peaked Flanged

A full range of covers is available for straight sections and fittings.

Solid covers should be used when maximum enclosure of the cable is desired and no accumulation of heat is expected. **Ventilated covers** provide an overhead cable shield yet allow heat to escape.

B-Line recommends that covers be placed on vertical cable tray runs to a height of 6 ft. (1.83 m) to 8 ft. (2.44 m) above the floor to isolate both cables and personnel. **Flanged covers** have a 1/2 in. (13mm) flange. Cover clamps are not included with the cover and must be ordered separately. All **peaked covers** are flanged. Standard peaked covers have 1/2" peak. Special purpose peaked covers, having a 2 to 3 pitch, provide additional slope and material thickness. The 2 to 3 pitch fitting covers are of multiple piece, welded construction.

Stainless Steel Cover Part Numbering

Prefix

Example: 80 3 SS4 - 20 - 24 - 144

Cover Type
80 = Solid
81 = Ventilated
82 = Peaked
83 = 2 to 3 Pitch Peaked

Detail
2= Flanged Stainless Steel (All fittings)
3= Flanged Stainless Steel (All straight sections)
4= Non-Flanged Stainless Steel (80 & 81 type only) (All fittings)
5= Non-Flanged Stainless Steel (80 & 81 type only) (All straight sections)

Material
SS4 = 304 Stainless Steel
SS6 = 316 Stainless Steel

Material Thickness
20 = 20 Ga. Stainless Steel
16 = 16 Ga. Stainless Steel 2 to 3 pitch straight sections
18 = 18 Ga. Stainless Steel 2 to 3 pitch fittings

Tray Width
06 = 6"
09 = 9"
12 = 12"
18 = 18"
24 = 24"
30 = 30"
36 = 36"

Item Description
For Straight Section Cover:
144 = 12 ft. (3.66m)
120 = 10 ft. (3.05m)
72 = 6 ft. (1.83m)
60 = 5 ft. (1.52m)
For fitting covers: Insert suffix of fitting to be covered. See example below.

Examples of Catalog Numbers for Fitting Covers:

Horizontal Bend Cover

Prefix / Suffix

80 2 SS4 20 - 18 - 90 HB 24

- 24 — Radius
- HB — Fitting
- 90 — Angle
- 18 — Width
- 20 — Material Thickness
- SS4 — Material
- 2 — Detail
- 80 — Cover Type

Vertical Bend Cover

Prefix / Suffix

80 2 SS4 20 - 24 - 90 VO 24 - 4*

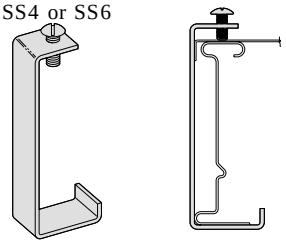
- 4* — Siderail Height
- 24 — Radius
- VO — Fitting
- 90 — Angle
- 24 — Width
- 20 — Material Thickness
- SS4 — Material
- 2 — Detail
- 80 — Cover Type

* Required for VO fittings only

2 to 3 Pitch	
Tray Width	**Peak Height**
6″	2″
9″	3″
12″	4″
18″	6″
24″	8″
30″	10″
36″	12″

Standard Cover Clamp

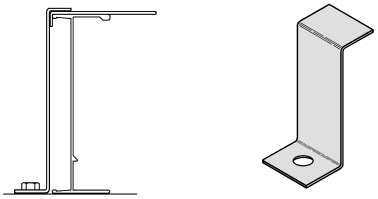
- For indoor service only.
- Sold per piece.
- (*) Insert SS4 or SS6



Tray Type	Siderail Height in.	Siderail Height mm	Catalog No.
Stainless Steel	4	101	9(*)-9014
	5	127	9(*)-9015
	6	152	9(*)-9016

Combination Cover and Hold Down Clamp

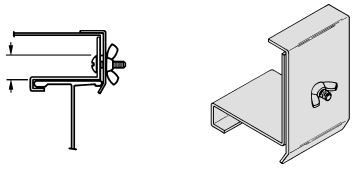
- Sold per piece.
- (*) Insert SS4 or SS6



Tray Type	Siderail Height in.	Siderail Height mm	Catalog No.
Stainless Steel	4	101	9(*)-9043
	5	127	9(*)-9053
	6	152	9(*)-9063

Raised Cover Clamp

- For indoor service only.
- (*) Insert SS4 or SS6

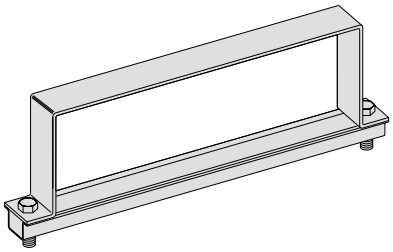


† Specify gap of 1", 2", 3" or 4".

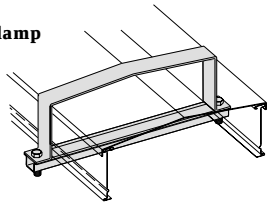
Tray Type	Catalog No.
Series 3 & 4 Steel Straight Section	9(*)-9115†
All Steel Fittings	9(*)-910†

Heavy Duty Cover Clamps

- Recommended for outdoor service.
- (*) Insert SS4 or SS6



Peaked Cover Clamp

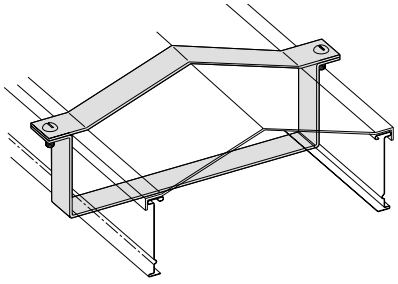


W = Tray width
† Add P to Catalog No. for 1/2" peaked cover clamp.

Catalog No.	Siderail Height in.	Siderail Height mm
9(*)-W-9044†	4	101
9(*)-W-9054†	5	127
9(*)-W-9064†	6	152

2 to 3 Pitch Peaked Cover Clamps

- Recommended for outdoor service.
- (*) Insert SS4 or SS6

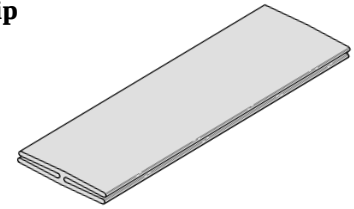


W = Tray Width

Catalog No.	Siderail Height in.	Siderail Height mm
9(*)-W-9P44	4	101
9(*)-W-9P54	5	127
9(*)-W-9P64	6	152

Cover Joint Strip

- Used to join Covers
- Plastic
- W = Tray Width



Catalog No.	99-9980-W

Quantity of Standard Cover Clamps Required

Straight Section 60" or 72".....4 pcs.
Straight Section 120" or 144".....6 pcs.
Horizontal/Vertical Bends .....4 pcs.
Tees .....6 pcs.
Crosses.....8 pcs.

Note: When using the Heavy Duty Cover Clamp, only one-half the number of clamps stated above is required.

Series 3&4 Stainless Steel-Specifications

Section 1- Acceptable Manufacturers

1.01 Manufacturer: Subject to compliance with these specifications, cable tray systems shall be as manufactured by B-Line Systems, Inc.

Section 2- Cable Tray Sections and Components

2.01 General: Except as otherwise indicated, provide metal cable trays, of types, classes and sizes indicated; with splice plates, bolts, nuts and washers for connecting units. Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features. Cable tray shall be installed according to the latest revision of NEMA VE-2.

2.02 Stainless Steel: Straight section and fitting side rails and rungs shall be made of AISI Type [304] [316] stainless steel. Transverse members (rungs) or corrugated bottoms shall be welded to the side rails with Type 316 stainless steel welding wire. Hardware shall be AISI Type 316 stainless steel.

2.03 Ladder Cable Trays shall consist of two longitudinal members (side rails) with transverse members (rungs) welded to the side rails. Rungs shall be spaced [6] [9] [12] inches on center. Rung spacing in radiused fittings shall be industry standard 9" and measured at the center of the tray's width. Each rung must be capable of supporting a 200 lb. concentrated load at the center of the cable tray with a safety factor of 1.5.

2.04 Ventilated Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or rungs spaced 4" on center. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers. To provide ventilation in the tray, the valleys of the corrugated bottom shall have 2-1/4" x 4" rectangular holes punched along the width of the bottom.

2.05 Solid Bottom Trough Cable Trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or a solid sheet over rungs. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers.

2.06 Cable tray loading depth shall be [3] [4] [5] inches per NEMA VE-1.

2.07 Straight sections shall be fabricated as I-beams. Straight sections shall be supplied in standard [12 foot] [24 foot] [10 foot (3m)] [20 foot (6m)] lengths.

2.08 Cable tray widths shall be [6] [9] [12] [18] [24] [30] [36] inches or as shown on drawings.

2.09 Splice plates shall be manufactured of high strength steel and be secured with 8 nuts and bolts per plate. The resistance of fixed splice connections between an adjacent section of tray shall not exceed 0.00033 ohm.

2.11 All fittings must have a minimum radius of [12] [24] [36] [48] inches.

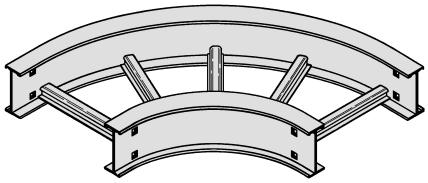
Section 3- Loading Capacities and Testing

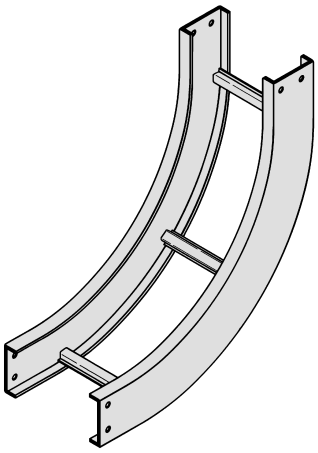
3.01 Cable tray shall be capable of carrying a uniformly distributed load of _____ lbs./ft. on a _____ ft. support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE1-5.2. In addition to the uniformly distributed load the cable tray shall support 200 lbs. concentrated load at mid-point of span. Load and safety factors specified are applicable to both the side rails and rung capacities. Cable tray shall be made to manufacturing tolerances as specified by NEMA.

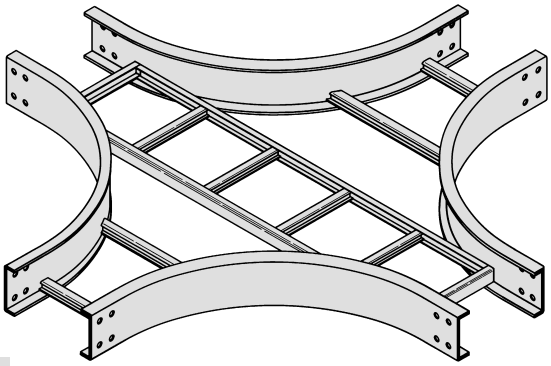
3.02 Upon request, manufacturer shall provide test reports in accordance with the latest revision of NEMA VE-1 or CSA C22.2 No. 126.

Notes

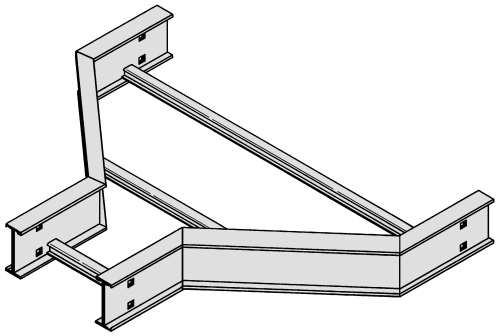
Series 2,3,4 & 5 Fittings







Fittings engineered with 3” tangents for splicing integrity.



Fittings Part Numbering

Prefix

Example: 4 A - 24 - 90 HB 24 (9" rung spacing is standard)

Height
4 = 4” (101)
5 = 5” (127)
6 = 6” (152)
7 = 7” (178)

Material
A= Aluminum
G=HDGAF
P= Pre-Galvanized
SS4= 304 Stainless Steel
SS6= 316 Stainless Steel
APVC=Aluminum PVC Coated
SPVC=Steel PVC Coated

Width
06 = 6” (152)
09 = 9” (228)
12 = 12” (305)
18 = 18” (457)
24 = 24” (609)
30 = 30” (762)
36 = 36” (914)

Angle
30 = 30°
45 = 45°
60 = 60°
90 = 90°

Type
HB = Horizontal Bend
HT = Horizontal Tee
HX = Horizontal Cross
VI = Vertical Inside Bend
VO = Vertical Outside Bend
VT = Vertical Tee
VTU = Vertical Tee, Up
HYR = Horizontal Wye, Right
HYL = Horizontal Wye, Left
CSF = Cable Support Fitting

Radius
12 = 12” (305)
24 = 24” (609)
36 = 36” (914)
48 = 48” (1219)

See page A-2, for 6” fittings with 9A-6006 splice plates.

For ventilated trough, solid trough, ventilated bottom or solid bottom, add VT, ST, 04 or SB as shown below: Available 6” thru 36”

Prefix
4AVT - 24 - 90HB24
Vented Trough

Prefix
4PST - 24 - 90HB24
Solid Trough

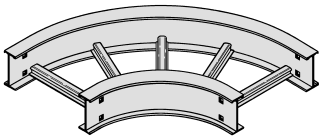
For flat solid bottom: Available 6” and Wider

Prefix
5PSB - 24 - 90HB24
Solid Bottom

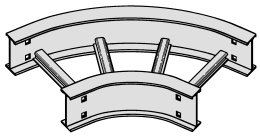
Note: Horizontal crosses and tees 30” or wider, with a radius of 36” or larger, will be of two-piece construction.

Horizontal Bend 90° 60° (HB)

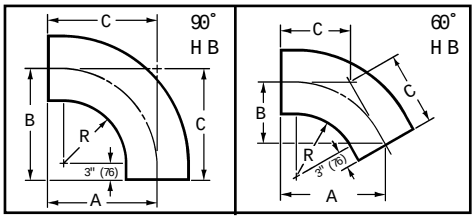
1 pair splice plates with hardware included.



90˚ Horizontal Bend



60˚ Horizontal Bend



Bottoms manufactured:

Ladder = 9" Rung Spacing
VT & 04 = 4" Rung Spacing
ST & SB = Flat sheet over 12" Rung Spacing

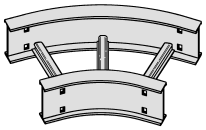
Bend Radius R		Tray Width		90˚ Horizontal Bend Dimensions							60˚ Horizontal Bend Dimensions						
				Catalog No.	A		B		C		Catalog No.	A		B		C	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm		in.	mm	in.	mm	in.	mm
12	305	6	152	(Pre)-06-90HB12	18	457	18	457	18	457	(Pre)-06-60HB12	17 1/2	445	10 1/8	257	11 11/16	297
		9	228	(Pre)-09-90HB12	19 1/2	495	19 1/2	495	19 1/2	495	(Pre)-09-60HB12	18 13/16	478	10 7/8	276	12 1/2	318
		12	305	(Pre)-12-90HB12	21	533	21	533	21	533	(Pre)-12-60HB12	20 1/16	510	11 5/8	295	13 3/8	340
		18	457	(Pre)-18-90HB12	24	610	24	610	24	610	(Pre)-18-60HB12	22 11/16	576	13 1/8	333	15 1/8	384
		24	609	(Pre)-24-90HB12	27	686	27	686	27	686	(Pre)-24-60HB12	25 5/16	643	14 5/8	372	16 7/8	429
		30	762	(Pre)-30-90HB12	30	762	30	762	30	762	(Pre)-30-60HB12	27 7/8	708	16 1/8	410	18 9/16	472
		36	914	(Pre)-36-90HB12	33	838	33	838	33	838	(Pre)-36-60HB12	30 1/2	775	17 5/8	448	20 5/16	516
		42	1218	(Pre)-42-90HB12	36	914	36	914	36	914	(Pre)-42-60HB12	33 1/16	840	19 1/8	486	22 1/16	560
24	610	6	152	(Pre)-06-90HB24	30	762	30	762	30	762	(Pre)-06-60HB24	27 7/8	708	16 1/8	410	18 9/16	472
		9	228	(Pre)-09-90HB24	31 1/2	800	31 1/2	800	31 1/2	800	(Pre)-09-60HB24	29 3/16	741	16 7/8	429	19 7/16	494
		12	305	(Pre)-12-90HB24	33	838	33	838	33	838	(Pre)-12-60HB24	30 1/2	775	17 5/8	448	20 5/16	516
		18	457	(Pre)-18-90HB24	36	914	36	914	36	914	(Pre)-18-60HB24	33 1/16	708	19 1/8	486	22 1/16	560
		24	609	(Pre)-24-90HB24	39	991	39	991	39	991	(Pre)-24-60HB24	35 11/16	907	20 5/8	524	23 13/16	605
		30	762	(Pre)-30-90HB24	42	1067	42	1067	42	1067	(Pre)-30-60HB24	38 1/4	972	22 1/8	564	25 1/2	648
		36	914	(Pre)-36-90HB24	45	1143	45	1143	45	1143	(Pre)-36-60HB24	40 7/8	1038	23 5/8	600	27 1/4	692
		42	1218	(Pre)-42-90HB24	48	1219	48	1219	48	1219	(Pre)-42-60HB24	43 1/2	1105	25 1/8	638	29	737
36	915	6	152	(Pre)-06-90HB36	42	1067	42	1067	42	1067	(Pre)-06-60HB36	38 1/4	971	22 1/8	562	25 1/2	648
		9	228	(Pre)-09-90HB36	43 1/2	1105	43 1/2	1105	43 1/2	1105	(Pre)-09-60HB36	39 9/16	1005	22 7/8	581	26 3/8	670
		12	305	(Pre)-12-90HB36	45	1143	45	1143	45	1143	(Pre)-12-60HB36	40 7/8	1038	23 5/8	600	27 1/4	692
		18	457	(Pre)-18-90HB36	48	1219	48	1219	48	1219	(Pre)-18-60HB36	43 1/2	1105	25 1/8	638	29	737
		24	609	(Pre)-24-90HB36	51	1295	51	1295	51	1295	(Pre)-24-60HB36	46 1/16	1170	26 5/8	676	30 11/16	780
		30	762	(Pre)-30-90HB36	54	1372	54	1375	54	1372	(Pre)-30-60HB36	48 1/16	1237	28 1/8	714	32 7/16	824
		36	914	(Pre)-36-90HB36	57	1448	57	1488	57	1448	(Pre)-36-60HB36	51 1/4	1302	29 5/8	753	34 3/16	869
		42	1218	(Pre)-42-90HB36	60	1524	60	1524	60	1524	(Pre)-42-60HB36	53 7/8	1368	31 1/8	791	35 15/16	913
48	1220	6	152	(Pre)-06-90HB48	54	1372	54	1372	54	1372	(Pre)-06-60HB48	48 1/16	1221	28 1/8	715	32 11/16	830
		9	228	(Pre)-09-90HB48	55 1/2	1410	55 1/2	1410	55 1/2	1410	(Pre)-09-60HB48	49 15/16	1268	28 7/8	734	33 5/16	846
		12	305	(Pre)-12-90HB48	57	1448	57	1448	57	1448	(Pre)-12-60HB48	51 1/4	1302	29 5/8	753	34 3/16	868
		18	457	(Pre)-18-90HB48	60	1524	60	1524	60	1524	(Pre)-18-60HB48	53 7/8	1368	31 1/8	791	35 15/16	913
		24	609	(Pre)-24-90HB48	63	1600	63	1600	63	1600	(Pre)-24-60HB48	56 7/16	1434	32 5/8	829	37 5/8	956
		30	762	(Pre)-30-90HB48	66	1676	66	1676	66	1676	(Pre)-30-60HB48	59 1/16	1500	34 1/8	867	39 3/8	1000
		36	914	(Pre)-36-90HB48	69	1753	69	1753	69	1753	(Pre)-36-60HB48	61 11/16	1567	35 5/8	905	41 1/8	1045
		42	1218	(Pre)-42-90HB48	72	1829	72	1829	72	1829	(Pre)-42-60HB48	64 1/4	1632	37 1/8	943	42 13/16	1087

(Pre) See page 130 for catalog number prefix.
All dimensions in parenthesis are in millimeters unless otherwise specified.
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.
Manufacturing tolerances apply to all dimensions.

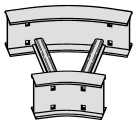
Horizontal Bend 45° 30° (HB)

1 pair splice plates with hardware included.

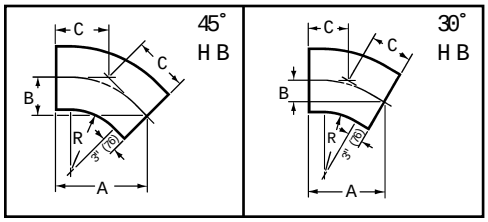
Bottoms manufactured:
Ladder = 9" Rung Spacing
VT & 04 = 4" Rung Spacing
ST & SB = Flat sheet over 12" Rung Spacing



45° Horizontal Bend



30° Horizontal Bend

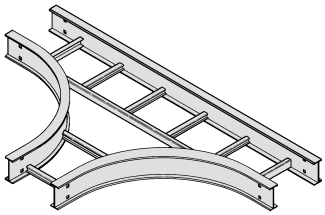


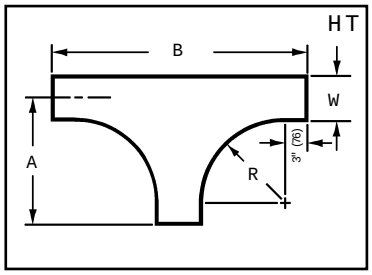
Bend Radius R		Tray Width		45° Horizontal Bend Dimensions								30° Horizontal Bend Dimensions							
				Catalog No.	A		B		C			Catalog No.	A		B		C		
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm			in.	mm	in.	mm	in.	mm	
12	305	6	152	**(Pre)-06-45HB12**	15 3/4	400	6 1/2	165	9 3/16	233		**(Pre)-06-30HB12**	13 1/8	333	3 1/2	89	7	179	
		9	228	**(Pre)-09-45HB12**	16 13/16	427	6 15/16	176	9 13/16	249		**(Pre)-09-30HB12**	13 7/8	352	3 11/16	94	7 7/16	189	
		12	305	**(Pre)-12-45HB12**	17 7/8	454	7 3/8	187	10 7/16	265		**(Pre)-12-30HB12**	14 5/8	372	3 15/16	100	7 13/16	198	
		18	457	**(Pre)-18-45HB12**	20	508	8 1/4	210	11 11/16	297		**(Pre)-18-30HB12**	16 1/8	410	4 5/16	135	8 5/8	219	
		24	309	**(Pre)-24-45HB12**	22 1/16	560	9 1/8	232	12 15/16	329		**(Pre)-24-30HB12**	17 5/8	448	4 11/16	119	9 7/16	240	
		30	762	**(Pre)-30-45HB12**	24 3/16	614	10	254	14 3/16	360		**(Pre)-30-30HB12**	19 1/8	486	5 1/8	130	10 1/4	260	
		36	914	**(Pre)-36-45HB12**	26 5/16	668	10 15/16	278	15 7/16	392		**(Pre)-36-30HB12**	20 5/8	524	5 1/2	140	11 1/16	281	
		42	1218	**(Pre)-42-45HB12**	28 7/16	722	11 13/16	300	16 11/16	424		**(Pre)-42-30HB12**	22 1/8	562	5 15/16	151	11 13/16	300	
24	610	6	152	**(Pre)-06-45HB24**	24 3/16	614	10	254	14 3/16	360		**(Pre)-06-30HB24**	19 1/8	486	5 1/8	130	10/4	260	
		9	228	**(Pre)-09-45HB24**	25 1/4	641	10 1/2	267	14 13/16	376		**(Pre)-09-30HB24**	19 7/8	505	5 5/16	135	10 5/8	270	
		12	305	**(Pre)-12-45HB24**	26 5/16	668	10 15/16	278	15 7/16	392		**(Pre)-12-30HB24**	20 5/8	524	5 1/2	140	11 1/16	281	
		18	457	**(Pre)-18-45HB24**	28 7/16	722	11 13/16	300	16 11/16	424		**(Pre)-18-30HB24**	22 1/8	562	5 15/16	151	11 13/16	300	
		24	309	**(Pre)-24-45HB24**	30 9/16	766	12 11/16	322	17 15/16	456		**(Pre)-24-30HB24**	23 5/8	600	6 5/16	160	12 5/8	321	
		30	762	**(Pre)-30-45HB24**	32 11/16	830	13 9/16	344	19 1/8	486		**(Pre)-30-30HB24**	25 1/8	638	6 3/4	172	13 7/16	341	
		36	914	**(Pre)-36-45HB24**	34 13/16	884	14 7/16	367	20 3/8	518		**(Pre)-36-30HB24**	26 5/8	676	7 1/8	181	14 1/4	362	
		42	1218	**(Pre)-42-45HB24**	36 15/16	938	15 5/16	389	21 5/8	549		**(Pre)-42-30HB24**	28 1/8	715	7 1/2	191	15 1/16	383	
36	915	6	152	**(Pre)-06-45HB36**	32 11/16	830	13 9/16	344	19 1/8	486		**(Pre)-06-30HB36**	25 1/8	638	6 3/4	171	13 7/16	341	
		9	228	**(Pre)-09-45HB36**	33 3/4	857	14	356	19 3/4	502		**(Pre)-09-30HB36**	25 7/8	657	6 15/16	176	13 7/8	352	
		12	305	**(Pre)-12-45HB36**	34 13/16	884	14 7/16	367	20 3/8	518		**(Pre)-12-30HB36**	26 5/8	676	7 1/8	181	14 1/4	362	
		18	457	**(Pre)-18-45HB36**	36 15/16	938	15 5/16	389	21 5/8	549		**(Pre)-18-30HB36**	28 1/8	114	7 1/2	191	15 1/16	383	
		24	309	**(Pre)-24-45HB36**	39 1/6	992	16 3/16	411	22 7/8	581		**(Pre)-24-30HB36**	29 5/8	753	7 15/16	202	15 7/8	403	
		30	762	**(Pre)-30-45HB36**	41 3/6	1046	17 1/16	433	24 1/8	613		**(Pre)-30-30HB36**	31 1/8	790	8 5/16	211	16 11/16	424	
		36	914	**(Pre)-36-45HB36**	43 5/6	1100	17 15/16	456	25 3/8	645		**(Pre)-36-30HB36**	32 5/8	829	8 3/4	222	17 1/2	445	
		42	1218	**(Pre)-42-45HB36**	45 7/16	1154	18 13/16	478	26 5/8	676		**(Pre)-42-30HB36**	34 1/8	867	9 1/8	232	18 1/4	464	
48	1220	6	152	**(Pre)-06-45HB48**	41 3/16	1046	17 1/16	433	24 1/8	613		**(Pre)-06-30HB48**	31 1/8	791	8 5/16	211	16 11/16	424	
		9	228	**(Pre)-09-45HB48**	42 1/4	1073	17 1/2	445	24 3/4	629		**(Pre)-09-30HB48**	31 7/8	810	8 9/16	218	17 1/16	433	
		12	305	**(Pre)-12-45HB48**	43 5/16	1100	17 15/16	456	25 3/8	645		**(Pre)-12-30HB48**	32 5/8	829	8 3/4	222	17 1/2	445	
		18	457	**(Pre)-18-45HB48**	45 7/16	1154	18 13/16	487	26 5/8	676		**(Pre)-18-30HB48**	34 1/8	867	9 1/8	232	18 1/4	464	
		24	309	**(Pre)-24-45HB48**	47 9/16	1208	19 11/16	500	27 7/8	708		**(Pre)-24-30HB48**	35 5/8	905	9 9/16	243	19 1/16	484	
		30	762	**(Pre)-30-45HB48**	49 11/16	1262	20 9/16	522	29 1/8	740		**(Pre)-30-30HB48**	37 1/8	943	9 15/16	252	19 7/8	505	
		36	914	**(Pre)-36-45HB48**	51 13/16	1316	21 7/16	545	30 5/16	770		**(Pre)-36-30HB48**	38 5/8	981	10 5/16	262	20 11/16	525	
		42	1218	**(Pre)-42-45HB48**	54 15/16	1395	22 5/16	567	31 9/16	802		**(Pre)-42-30HB48**	40 1/8	1019	10 3/4	273	21 1/2	546	

(Pre) See page 130 for catalog number prefix.
All dimensions in parenthesis are in millimeters unless otherwise specified.
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.
Manufacturing tolerances apply to all dimensions.

Horizontal Tee (HT)

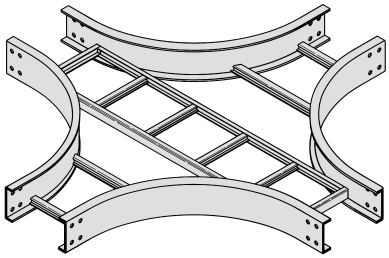
2 pair splice plates with hardware included.

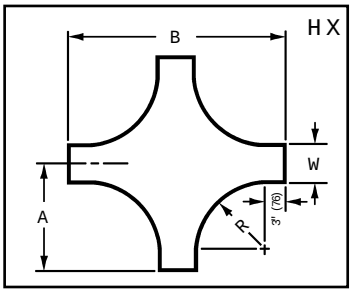




Horizontal Cross (HX)

3 pair splice plates with hardware included.





Bend Radius R		Tray Width		Horizontal Tee					Horizontal Cross					
				Catalog Number	Dimensions				Catalog Number	Dimensions				
					A		B			A		B		
in.	mm	in.	mm		in.	mm	in.	mm		in.	mm	in.	mm	
12	305	6	152	(Prefix)-06-HT12	18	457	36	914	(Prefix)-06-HX12	18	457	36	914	
		9	229	(Prefix)-09-HT12	19 1/2	496	39	991	(Prefix)-09-HX12	19 1/2	496	39	991	
		12	305	(Prefix)-12-HT12	21	533	42	1067	(Prefix)-12-HX12	21	533	42	1067	
		18	457	(Prefix)-18-HT12	24	609	48	1219	(Prefix)-18-HX12	24	609	48	1219	
		24	610	(Prefix)-24-HT12	27	686	54	1372	(Prefix)-24-HX12	27	686	54	1372	
		30	762	(Prefix)-30-HT12	30	762	60	1524	(Prefix)-30-HX12	30	762	60	1524	
		36	914	(Prefix)-36-HT12	33	838	66	1676	(Prefix)-36-HX12	33	838	66	1676	
		42	1067	(Prefix)-42-HT12	36	914	72	1829	(Prefix)-42-HX12	36	914	72	1829	
24	610	6	152	(Prefix)-06-HT24	30	762	60	1542	(Prefix)-06-HX24	30	762	60	1524	
		9	229	(Prefix)-09-HT24	31 1/2	800	63	1600	(Prefix)-09-HX24	31 1/2	800	63	1600	
		12	305	(Prefix)-12-HT24	33	838	66	1676	(Prefix)-12-HX24	33	838	66	1676	
		18	457	(Prefix)-18-HT24	36	914	72	1828	(Prefix)-18-HX24	36	914	72	1828	
		24	610	(Prefix)-24-HT24	39	991	78	1982	(Prefix)-24-HX24	39	991	78	1982	
		30	762	(Prefix)-30-HT24	42	1067	84	2134	(Prefix)-30-HX24	42	1067	84	2134	
		36	914	(Prefix)-36-HT24	45	1143	90	2286	(Prefix)-36-HX24	45	1143	90	2286	
		42	1067	(Prefix)-42-HT24	48	1219	96	2438	(Prefix)-42-HX24	48	1219	96	2438	
36	915	6	152	(Prefix)-06-HT36	42	1067	84	2134	(Prefix)-06-HX36	42	1067	84	2134	
		9	229	(Prefix)-09-HT36	43 1/2	1105	87	2210	(Prefix)-09-HX36	43 1/2	1105	87	2210	
		12	305	(Prefix)-12-HT36	45	1143	90	2286	(Prefix)-12-HX36	45	1143	90	2286	
		18	457	(Prefix)-18-HT36	48	1219	96	2438	(Prefix)-18-HX36	48	1219	96	2438	
		24	610	(Prefix)-24-HT36	51	1295	102	2590	(Prefix)-24-HX36	51	1295	102	2590	
		30	762	(Prefix)-30-HT36	54	1372	108	2744	(Prefix)-30-HX36	54	1372	108	2744	
		36	914	(Prefix)-36-HT36	57	1488	114	2896	(Prefix)-36-HX36	57	1448	114	2896	
		42	1067	(Prefix)-42-HT36	60	1524	120	3048	(Prefix)-42-HX36	60	1524	120	3048	
48	1220	6	152	(Prefix)-06-HT48	54	1372	108	2743	(Prefix)-06-HX48	54	1372	108	2743	
		9	229	(Prefix)-09-HT48	55 1/2	1410	111	2820	(Prefix)-09-HX48	55 1/2	1410	111	2820	
		12	305	(Prefix)-12-HT48	57	1448	114	2896	(Prefix)-12-HX48	57	1448	114	2896	
		18	457	(Prefix)-18-HT48	60	1524	120	3048	(Prefix)-18-HX48	60	1524	120	3048	
		24	610	(Prefix)-24-HT48	63	1600	126	3200	(Prefix)-24-HX48	63	1600	126	3200	
		30	762	(Prefix)-30-HT48	66	1676	132	3353	(Prefix)-30-HX48	66	1676	132	3353	
		36	914	(Prefix)-36-HT48	69	1753	138	3535	(Prefix)-36-HX48	69	1753	138	3505	
		42	1067	(Prefix)-42-HT48	72	1829	144	3658	(Prefix)-42-HX48	72	1829	144	3658	

(Prefix) See page 130 for catalog number prefix.

All dimensions in parenthesis are millimeters unless otherwise specified.

Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width. Manufacturing tolerances apply to all dimensions.

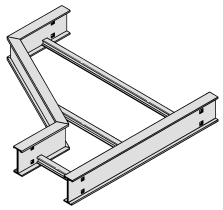
Reducers (LR, SR, RR)

1 pair splice plates with hardware included.

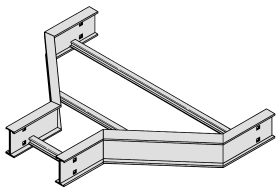
Reducer Part Numbering

Prefix - 24 - RR - 18

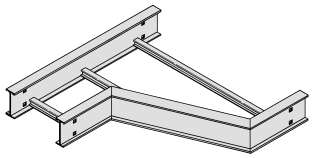
- 18 → $Width_2$
- RR → Fitting
- 24 → $Width_1$
- Prefix → Prefix



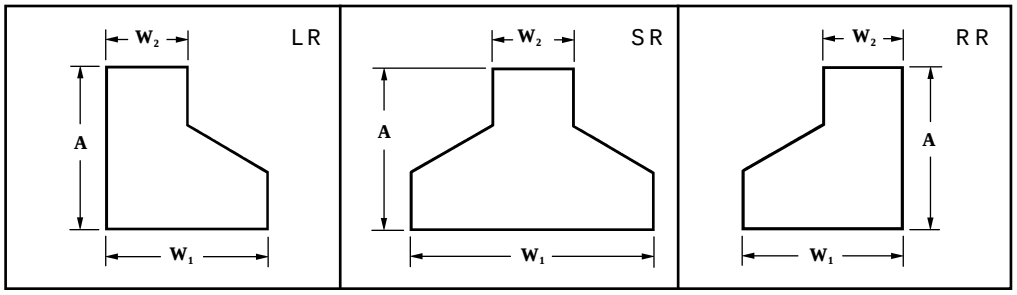
Left Reducer



Straight Reducer



Right Reducer

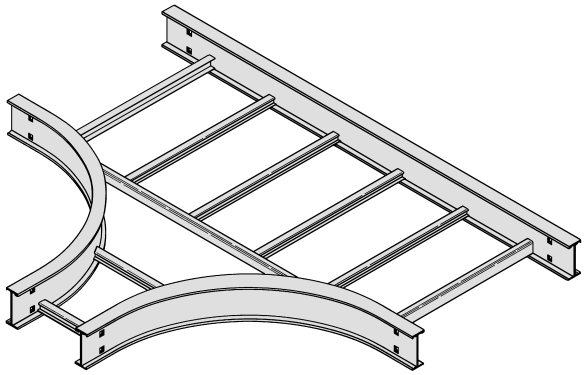


Tray Width				Left Hand Reducer			Straight Reducer			Right Hand Reducer		
W_1		W_2		Catalog No.	A		Catalog No.	A		Catalog No.	A	
in.	mm	in.	mm		in.	mm		in.	mm		in.	mm
9	228	6	152	(Prefix)-09-LR06	9 3/4	248	(Prefix)-09-SR06	8 7/8	225	(Prefix)-09-RR06	9 3/4	248
12	305	6	152	(Prefix)-12-LR06	11 1/2	292	(Prefix)-12-SR06	9 3/4	248	(Prefix)-12-RR06	11 1/2	292
		9	228	(Prefix)-12-LR09	9 3/4	248	(Prefix)-12-SR09	8 7/8	225	(Prefix)-12-RR09	9 3/4	248
18	457	6	152	(Prefix)-18-LR06	14 15/16	379	(Prefix)-18-SR06	11 1/2	292	(Prefix)-18-RR06	14 15/16	379
		9	228	(Prefix)-18-LR09	13 3/16	340	(Prefix)-18-SR09	10 5/8	270	(Prefix)-18-RR09	13 3/16	340
		12	305	(Prefix)-18-LR12	11 1/2	292	(Prefix)-18-SR12	9 3/4	248	(Prefix)-18-RR12	11 1/2	292
24	609	6	152	(Prefix)-24-LR06	18 3/8	467	(Prefix)-24-SR06	13 3/16	340	(Prefix)-24-RR06	18 3/8	467
		9	228	(Prefix)-24-LR09	16 11/16	424	(Prefix)-24-SR09	12 3/8	314	(Prefix)-24-RR09	16 11/16	424
		12	305	(Prefix)-24-LR12	14 15/16	379	(Prefix)-24-SR12	11 1/2	292	(Prefix)-24-RR12	14 15/16	379
		18	457	(Prefix)-24-LR18	11 1/2	292	(Prefix)-24-SR18	9 3/4	248	(Prefix)-24-RR18	11 1/2	292
30	762	6	152	(Prefix)-30-LR06	21 7/8	555	(Prefix)-30-SR06	14 15/16	380	(Prefix)-30-RR06	21 7/8	555
		9	228	(Prefix)-30-LR09	20 1/8	511	(Prefix)-30-SR09	14 1/16	358	(Prefix)-30-RR09	20 1/8	511
		12	305	(Prefix)-30-LR12	18 3/8	462	(Prefix)-30-SR12	13 3/16	335	(Prefix)-30-RR12	18 3/8	462
		18	459	(Prefix)-30-LR18	14 15/16	380	(Prefix)-30-SR18	11 1/2	292	(Prefix)-30-RR18	14 15/16	380
		24	609	(Prefix)-30-LR24	11 1/2	292	(Prefix)-30-SR24	9 3/4	248	(Prefix)-30-RR24	11 1/2	292
36	914	6	152	(Prefix)-36-LR06	25 5/16	643	(Prefix)-36-SR06	16 11/16	424	(Prefix)-36-RR06	23 5/16	643
		9	228	(Prefix)-36-LR09	23 9/16	598	(Prefix)-36-SR09	15 13/16	402	(Prefix)-36-RR09	23 9/16	598
		12	305	(Prefix)-36-LR12	21 7/8	555	(Prefix)-36-SR12	14 15/16	380	(Prefix)-36-RR12	21 7/8	555
		18	457	(Prefix)-36-LR18	18 3/8	462	(Prefix)-36-SR18	13 3/16	335	(Prefix)-36-RR18	18 3/8	462
		24	609	(Prefix)-36-LR24	14 15/16	380	(Prefix)-36-SR24	11 1/2	292	(Prefix)-36-RR24	14 15/16	380
		30	762	(Prefix)-36-LR30	11 1/2	292	(Prefix)-36-SR30	9 3/4	248	(Prefix)-36-RR30	11 1/2	292
42	1067	6	152	(Prefix)-42-LR06	28 3/4	730	(Prefix)-42-SR06	18 3/8	467	(Prefix)-42-RR06	28 3/4	732
		9	228	(Prefix)-42-LR09	27 1/16	687	(Prefix)-42-SR09	17 1/2	445	(Prefix)-42-RR09	27 1/16	687
		12	305	(Prefix)-42-LR12	25 5/16	643	(Prefix)-42-SR12	16 11/16	424	(Prefix)-42-RR12	25 15/16	643
		18	457	(Prefix)-42-LR18	21 7/8	556	(Prefix)-42-SR18	14 15/16	379	(Prefix)-42-RR18	21 7/8	556
		24	609	(Prefix)-42-LR24	18 3/8	467	(Prefix)-42-SR24	13 3/16	335	(Prefix)-42-RR24	18 3/8	467
		30	762	(Prefix)-42-LR30	14 15/16	379	(Prefix)-42-SR30	11 1/2	292	(Prefix)-42-RR30	14 15/16	379
		36	914	(Prefix)-42-LR36	11 1/2	292	(Prefix)-42-SR36	9 3/4	249	(Prefix)-42-RR36	11 1/2	292

(Prefix) See page 130 for catalog number prefix.

All dimensions in parenthesis are millimeters unless otherwise specified.

Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width. Manufacturing tolerances apply to all dimensions.



Horizontal Reducing Tee (HT)

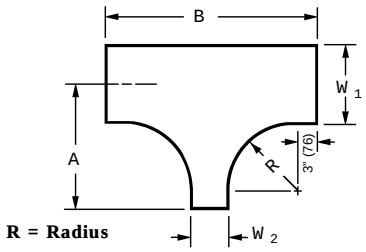
2 pair splice plates with hardware included.

Prefix - 36 - 18 HT 24

- Radius
- Fitting
- Width W_2
- Width W_1
- To complete catalog number, insert fitting prefix.

See page 130 for prefix.

HT



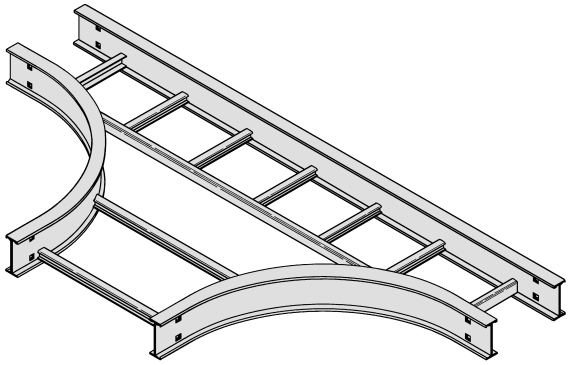
Tray Width				* Insert Radius (12",24",36",or 48")	12" Radius				24" Radius				36" Radius				48" Radius			
W1		W2		Catalog No.	A		B		A		B		A		B		A		B	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9	228	6	152	**(Prefix)-09-06-HT***	19 1/2	496	36	914	31 1/2	800	60	1524	43	1092	84	2134	55 1/2	1410	108	2743
12	305	6	152	**(Prefix)-12-06-HT***	21	533	36	914	33	838	60	1524	45	1143	84	2134	57	1448	108	2743
		9	228	**(Prefix)-12-09-HT***	21	533	39	991	33	838	63	1600	45	1143	87	2210	57	1448	111	2819
18	475	6	152	**(Prefix)-18-06-HT***	24	609	36	914	36	914	60	1524	48	1219	84	2134	60	1524	108	2743
		9	228	**(Prefix)-18-09-HT***	24	609	39	991	36	914	63	1600	48	1219	87	2210	60	1524	111	2819
		12	305	**(Prefix)-18-12-HT***	24	609	42	1067	36	914	66	1676	48	1219	90	2286	60	1524	114	2496
24	609	6	152	**(Prefix)-24-06-HT***	27	686	36	914	39	991	60	1524	51	1295	84	2134	63	1600	108	2743
		9	228	**(Prefix)-24-09-HT***	27	686	39	991	39	991	63	1600	51	1295	87	2210	63	1600	111	2819
		12	305	**(Prefix)-24-12-HT***	27	686	42	1067	39	991	66	1676	51	1295	90	2286	63	1600	114	2496
		18	457	**(Prefix)-24-18-HT***	27	686	48	1219	39	991	72	1829	51	1295	96	2438	63	1600	120	3048
30	762	6	152	**(Prefix)-30-06-HT***	30	762	36	914	42	1067	60	1524	54	1372	84	2134	66	1676	108	2743
		9	228	**(Prefix)-30-09-HT***	30	762	39	991	42	1067	63	1600	54	1372	87	2210	66	1676	111	2819
		12	305	**(Prefix)-30-12-HT***	30	762	42	1067	42	1067	66	1676	54	1372	90	2286	66	1676	114	2496
		18	457	**(Prefix)-30-18-HT***	30	762	48	1219	42	1067	72	1829	54	1372	96	2438	66	1676	120	3048
		24	609	**(Prefix)-30-24-HT***	30	762	54	1372	42	1067	78	1981	54	1372	102	2591	66	1676	126	3200
36	914	6	152	**(Prefix)-36-06-HT***	33	838	36	914	45	1143	60	1524	57	1448	84	2134	69	1753	108	2743
		9	228	**(Prefix)-36-09-HT***	33	838	39	991	45	1143	63	1600	57	1448	87	2210	69	1753	111	2819
		12	305	**(Prefix)-36-12-HT***	33	838	42	1067	45	1143	66	1676	57	1448	90	2286	69	1753	114	2496
		18	457	**(Prefix)-36-18-HT***	33	838	48	1219	45	1143	72	1829	57	1448	96	2438	69	1753	120	3048
		24	609	**(Prefix)-36-24-HT***	33	838	54	1372	45	1143	78	1981	57	1448	102	2591	69	1753	126	3200
		30	762	**(Prefix)-36-30-HT***	33	838	60	1524	45	1143	84	2134	57	1448	108	2743	69	1753	132	3353
42	1067	6	152	**(Prefix)-42-06-HT***	36	914	36	914	48	1219	60	1524	60	1524	84	2134	72	1829	108	2743
		9	228	**(Prefix)-42-09-HT***	36	914	39	991	48	1219	63	1600	60	1524	87	2210	72	1829	111	2819
		12	305	**(Prefix)-42-12-HT***	36	914	42	1067	48	1219	66	1676	60	1524	90	2286	72	1829	114	2496
		18	457	**(Prefix)-42-18-HT***	36	914	48	1219	48	1219	72	1829	60	1524	96	2438	72	1829	120	3048
		24	609	**(Prefix)-42-24-HT***	36	914	54	1372	48	1219	78	1981	60	1524	102	2591	72	1829	126	3200
		30	762	**(Prefix)-42-30-HT***	36	914	60	1524	48	1219	84	2134	60	1524	108	2743	72	1829	132	3353
		36	914	**(Prefix)-42-36-HT***	36	914	66	1676	48	1219	90	2286	60	1524	114	2895	72	1829	138	3505

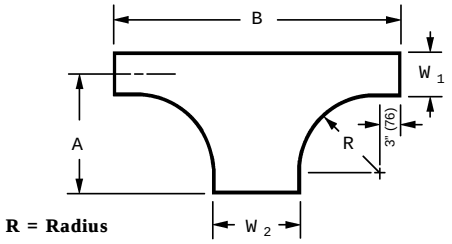
(Prefix) See page 130 for catalog number prefix.
All dimensions in parenthesis are millimeters unless otherwise specified.
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.
Manufacturing tolerances apply to all dimensions.

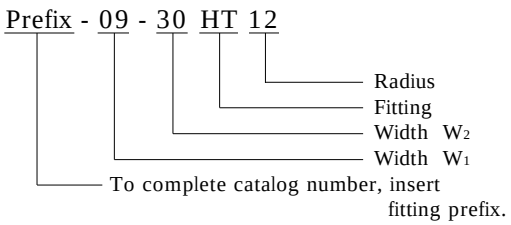
Series 2,3,4 & 5 Fittings

Horizontal Expanding Tee (HT)

2 pair splice plates with hardware included.







See page 130 for prefix.

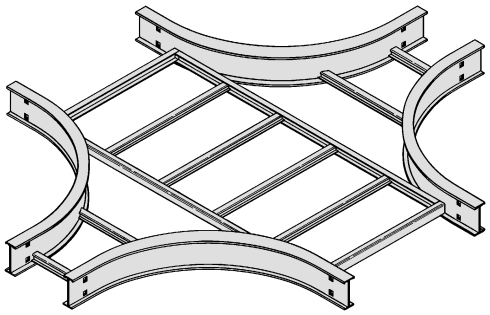
Tray Width				*Insert Radius (12",24",36",or 48")	12" Radius				24" Radius				36" Radius				48" Radius			
W1		W2		Catalog No.	A		B		A		B		A		B		A		B	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
6	152	9	228	(Prefix)-06-09-HT*	18	457	39	991	30	762	63	1600	42	1067	87	2210	54	1372	111	2819
		12	305	(Prefix)-06-12-HT*	18	457	42	1067	30	762	66	1676	42	1067	90	2286	54	1372	114	2496
		18	457	(Prefix)-06-18-HT*	18	457	48	1219	30	762	72	1829	42	1067	96	2438	54	1372	120	3048
		24	609	(Prefix)-06-24-HT*	18	457	54	1372	30	762	78	1981	42	1067	102	2591	54	1372	126	3200
		30	762	(Prefix)-06-30-HT*	18	457	60	1524	30	762	84	2134	42	1067	108	2743	54	1372	132	3353
		36	914	(Prefix)-06-36-HT*	18	457	66	1676	30	762	90	2286	42	1067	114	2895	54	1372	138	3503
		42	1067	(Prefix)-06-42-HT*	18	457	72	1829	30	762	96	2438	42	1067	120	3048	54	1372	144	3658
9	228	12	305	(Prefix)-09-12-HT*	19 1/2	496	42	1067	31 1/2	800	66	1676	43 1/2	1105	90	2286	55 1/2	1410	114	2496
		18	457	(Prefix)-09-18-HT*	19 1/2	496	48	1219	31 1/2	800	72	1829	43 1/2	1105	96	2438	55 1/2	1410	120	3048
		24	609	(Prefix)-09-24-HT*	19 1/2	496	54	1372	31 1/2	800	78	1981	43 1/2	1105	102	2591	55 1/2	1410	126	3200
		30	762	(Prefix)-09-30-HT*	19 1/2	496	60	1524	31 1/2	800	84	2134	43 1/2	1105	108	2743	55 1/2	1410	132	3353
		36	914	(Prefix)-09-36-HT*	19 1/2	496	66	1676	31 1/2	800	90	2286	43 1/2	1105	114	2895	55 1/2	1410	138	3503
		42	1067	(Prefix)-09-42-HT*	19 1/2	496	72	1829	31 1/2	800	96	2438	43 1/2	1105	120	3048	55 1/2	1410	144	3658
12	305	18	457	(Prefix)-12-18-HT*	21	533	48	1219	33	838	72	1829	45	1143	96	2438	57	1448	120	3048
		24	609	(Prefix)-12-24-HT*	21	533	54	1372	33	838	78	1981	45	1143	102	2591	57	1448	126	3200
		30	762	(Prefix)-12-30-HT*	21	533	60	1524	33	838	84	2134	45	1143	108	2743	57	1448	132	3353
		36	914	(Prefix)-12-36-HT*	21	533	66	1676	33	838	90	2286	45	1143	114	2895	57	1448	138	3503
		42	1067	(Prefix)-12-42-HT*	21	533	72	1829	33	838	96	2438	45	1143	120	3048	57	1448	144	3658
18	457	24	609	(Prefix)-18-24-HT*	24	609	54	1372	36	914	78	1981	48	1219	102	2591	60	1524	126	3200
		30	762	(Prefix)-18-30-HT*	24	609	60	1524	36	914	84	2134	48	1219	108	2743	60	1524	132	3353
		36	914	(Prefix)-18-36-HT*	24	609	66	1676	36	914	90	2286	48	1219	114	2895	60	1524	138	3503
		42	1067	(Prefix)-18-42-HT*	24	609	72	1829	36	914	96	2438	48	1219	120	3048	60	1524	144	3658
24	609	30	762	(Prefix)-24-30-HT*	27	686	60	1524	39	991	84	2134	51	1295	108	2743	63	1600	132	3353
		36	914	(Prefix)-24-36-HT*	27	686	66	1676	39	991	90	2286	51	1295	114	2895	63	1600	138	3503
		42	1067	(Prefix)-24-42-HT*	27	686	72	1829	39	991	96	2438	51	1295	120	3048	63	1600	144	3658
30	762	36	914	(Prefix)-30-36-HT*	30	762	66	1676	42	1067	90	2286	54	1372	114	2895	66	1676	138	3503
		42	1067	(Prefix)-30-42-HT*	30	762	72	1829	42	1067	96	2438	54	1372	120	3048	66	1676	144	3658
36	914	42	1067	(Prefix)-36-42-HT*	33	838	72	1829	45	1143	96	2438	57	1448	120	3048	69	1753	144	3658

(Prefix) See page 130 for catalog number prefix.

All dimensions in parenthesis are millimeters unless otherwise specified.

Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.

Manufacturing tolerances apply to all dimensions.



Horizontal Expanding Cross (HX)

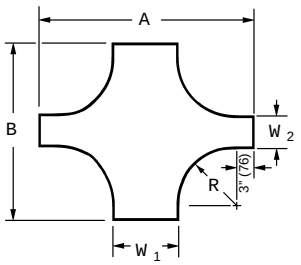
3 pair splice plates with hardware included.

Prefix - 36 - 18 HX 24

- 24 — Radius
- HX — Fitting
- 18 — Width W_2
- 36 — Width W_1
- Prefix — To complete catalog number, insert fitting prefix.

See page 130 for prefix.

HX

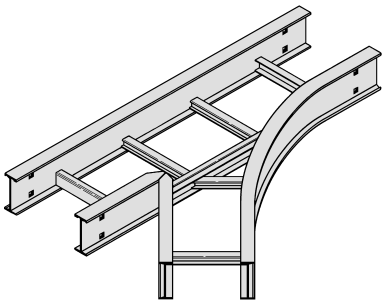


Tray Width W1 in.	Tray Width W1 mm	Tray Width W2 in.	Tray Width W2 mm	* Insert Radius (12",24",36",or 48") Catalog No.	12" Radius A in.	12" Radius A mm	12" Radius B in.	12" Radius B mm	24" Radius A in.	24" Radius A mm	24" Radius B in.	24" Radius B mm	36" Radius A in.	36" Radius A mm	36" Radius B in.	36" Radius B mm	48" Radius A in.	48" Radius A mm	48" Radius B in.	48" Radius B mm
9	228	6	152	(Prefix)-09-06-HX*	39	991	36	914	63	1600	60	1372	87	2210	84	2134	111	2819	108	2743
12	305	6	152	(Prefix)-12-06-HX*	42	1067	36	914	66	1676	60	1372	90	2286	84	2134	114	2896	108	2743
		9	228	(Prefix)-12-09-HX*	42	1067	39	991	66	1676	63	1600	90	2286	87	2210	114	2896	111	2819
18	457	6	152	(Prefix)-18-06-HX*	48	1219	36	914	72	1829	60	1372	96	2438	84	2134	120	3048	108	2743
		9	228	(Prefix)-18-09-HX*	48	1219	39	991	72	1829	63	1600	96	2438	87	2210	120	3048	111	2819
		12	305	(Prefix)-18-12-HX*	48	1219	42	1067	72	1829	66	1676	96	2438	90	2286	120	3048	114	2896
24	609	6	152	(Prefix)-24-06-HX*	54	1372	36	914	78	1981	60	1372	102	2591	84	2134	126	3200	108	2743
		9	228	(Prefix)-24-09-HX*	54	1372	39	991	78	1981	63	1600	102	2591	87	2210	126	3200	111	2819
		12	305	(Prefix)-24-12-HX*	54	1372	42	1067	78	1981	66	1676	102	2591	90	2286	126	3200	114	2896
		18	457	(Prefix)-24-18-HX*	54	1372	48	1219	78	1981	72	1829	102	2591	96	2438	126	3200	120	3048
30	762	6	152	(Prefix)-30-06-HX*	60	1524	36	914	84	2134	60	1372	108	2743	84	2134	132	3353	108	2743
		9	228	(Prefix)-30-09-HX*	60	1524	39	991	84	2134	63	1600	108	2743	87	2210	132	3353	111	2819
		12	305	(Prefix)-30-12-HX*	60	1524	42	1067	84	2134	66	1676	108	2743	90	2286	132	3353	114	2896
		18	457	(Prefix)-30-18-HX*	60	1524	48	1219	84	2134	72	1829	108	2743	96	2438	132	3353	120	3048
		24	609	(Prefix)-30-24-HX*	60	1524	54	1372	84	2134	78	1981	108	2743	102	2591	132	3353	126	3200
36	914	6	152	(Prefix)-36-06-HX*	66	1676	36	914	90	2286	60	1372	114	2896	84	2134	138	3505	108	2743
		9	228	(Prefix)-36-09-HX*	66	1676	39	991	90	2286	63	1600	114	2896	87	2210	138	3505	111	2819
		12	305	(Prefix)-36-12-HX*	66	1676	42	1067	90	2286	66	1676	114	2896	90	2286	138	3505	114	2896
		18	457	(Prefix)-36-18-HX*	66	1676	48	1219	90	2286	72	1829	114	2896	96	2438	138	3505	120	3048
		24	609	(Prefix)-36-24-HX*	66	1676	54	1372	90	2286	78	1981	114	2896	102	2591	138	3505	126	3200
		30	762	(Prefix)-36-30-HX*	66	1676	60	1524	90	2286	84	2134	114	2896	108	2743	138	3505	132	3353
42	1067	6	152	(Prefix)-42-06-HX*	72	1829	36	914	96	2438	60	1372	120	3048	84	2134	144	3658	108	2743
		9	228	(Prefix)-42-09-HX*	72	1829	39	991	96	2438	63	1600	120	3048	87	2210	144	3658	111	2819
		12	305	(Prefix)-42-12-HX*	72	1829	42	1067	96	2438	66	1676	120	3048	90	2286	144	3658	114	2896
		18	457	(Prefix)-42-18-HX*	72	1829	48	1219	96	2438	72	1829	120	3048	96	2438	144	3658	120	3048
		24	609	(Prefix)-42-24-HX*	72	1829	54	1372	96	2438	78	1981	120	3048	102	2591	144	3658	126	3200
		30	762	(Prefix)-42-30-HX*	72	1829	60	1524	96	2438	84	2134	120	3048	108	2743	144	3658	132	3353
		36	914	(Prefix)-42-36-HX*	72	1829	66	1676	96	2438	90	2286	120	3048	114	2896	144	3658	138	3505

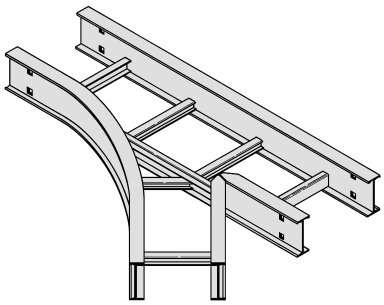
(Prefix) See page 130 for catalog number prefix.
All dimensions in parenthesis are millimeters unless otherwise specified.
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.
Manufacturing tolerances apply to all dimensions.

Horizontal Wye (HYL, HYR)

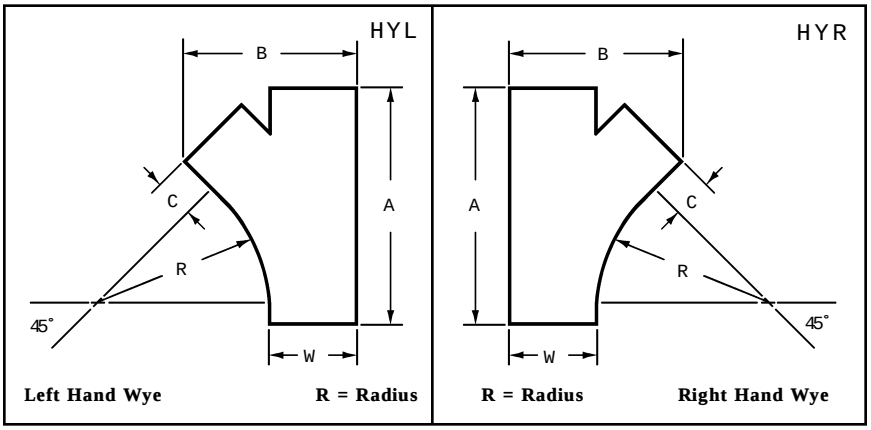
2 pair splice plates with hardware included.



Left Hand Wye



Right Hand Wye

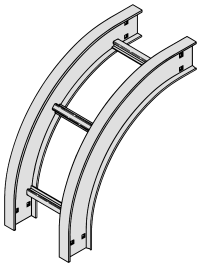


Bend Radius in.	Bend Radius mm	Tray Width in.	Tray Width mm	Left Hand Wye Catalog No.	Right Hand Wye Catalog No.	A in.	A mm	B in.	B mm	C in.	C mm
12	305	6	152	(Prefix)-06-HYL12	(Prefix)-06-HYR12	23 7/16	595	15 3/16	386	8	203
		9	228	(Prefix)-09-HYL12	(Prefix)-09-HYR12	27 11/16	704	20 5/16	516	11	280
		12	305	(Prefix)-12-HYL12	(Prefix)-12-HYR12	31 15/16	811	25 7/16	646	14	356
		18	457	(Prefix)-18-HYL12	(Prefix)-18-HYR12	40 7/16	1027	35 11/16	907	20	508
		24	609	(Prefix)-24-HYL12	(Prefix)-24-HYR12	48 15/16	1243	45 7/8	1165	26	660
		30	762	(Prefix)-30-HYL12	(Prefix)-30-HYR12	57 7/16	1459	56 1/8	1425	32	813
		36	914	(Prefix)-36-HYL12	(Prefix)-36-HYR12	65 15/16	1675	66 3/8	1686	38	965
		42	1067	(Prefix)-42-HYL12	(Prefix)-42-HYR12	74 7/16	1891	76 5/8	1946	44	1118
24	609	6	152	(Prefix)-06-HYL24	(Prefix)-06-HYR24	28 7/16	722	15 3/16	386	3 1/16	77
		9	228	(Prefix)-09-HYL24	(Prefix)-09-HYR24	32 11/16	831	20 5/16	516	6 1/16	154
		12	305	(Prefix)-12-HYL24	(Prefix)-12-HYR24	36 15/16	938	25 7/16	646	9 1/16	231
		18	457	(Prefix)-18-HYL24	(Prefix)-18-HYR24	45 3/8	1153	35 13/16	910	15 1/16	383
		24	609	(Prefix)-24-HYL24	(Prefix)-24-HYR24	53 7/8	1368	45 15/16	1167	21 1/16	535
		30	762	(Prefix)-30-HYL24	(Prefix)-30-HYR24	62 3/8	1585	56 3/16	1427	27 1/16	688
		36	914	(Prefix)-36-HYL24	(Prefix)-36-HYR24	70 7/8	1800	66 7/16	1687	33 1/16	993
		42	1067	(Prefix)-42-HYL24	(Prefix)-42-HYR24	79 3/8	2016	76 5/8	1946	39 1/16	992
36	914	6	152	(Prefix)-06-HYL36	(Prefix)-06-HYR36	36 3/8	924	19 7/16	494	4 1/16	104
		9	228	(Prefix)-09-HYL36	(Prefix)-09-HYR36	37 5/8	956	20 5/16	516	1 1/16	27
		12	305	(Prefix)-12-HYL36	(Prefix)-12-HYR36	41 7/8	1063	25 7/16	646	4 1/16	104
		18	457	(Prefix)-18-HYL36	(Prefix)-18-HYR36	53 3/8	1356	35 11/16	907	10 1/16	256
		24	609	(Prefix)-24-HYL36	(Prefix)-24-HYR36	58 7/8	1495	45 15/16	1167	16 1/8	409
		30	762	(Prefix)-30-HYL36	(Prefix)-30-HYR36	67 3/8	1712	56 3/16	1427	22 1/8	562
		36	914	(Prefix)-36-HYL36	(Prefix)-36-HYR36	75 7/8	1927	66 7/16	1687	28 1/8	714
		42	1067	(Prefix)-42-HYL36	(Prefix)-42-HYR36	84 3/8	2143	76 11/16	1948	34 1/8	867
48	1219	6	152	(Prefix)-06-HYL48	(Prefix)-06-HYR48	49 3/8	1254	23	584	4 1/8	105
		9	228	(Prefix)-09-HYL48	(Prefix)-09-HYR48	53 5/8	1362	28 1/8	715	7 1/8	181
		12	305	(Prefix)-12-HYL48	(Prefix)-12-HYR48	57 7/8	1470	33 3/16	843	10 1/8	257
		18	457	(Prefix)-18-HYL48	(Prefix)-18-HYR48	55 3/8	1407	35 11/16	907	5 1/8	130
		24	609	(Prefix)-24-HYL48	(Prefix)-24-HYR48	63 13/16	1621	45 15/16	1167	11 1/8	283
		30	762	(Prefix)-30-HYL48	(Prefix)-30-HYR48	72 5/16	1836	56 3/16	1427	17 1/8	435
		36	914	(Prefix)-36-HYL48	(Prefix)-36-HYR48	80 13/16	2053	66 7/16	1688	23 1/8	588
		42	1067	(Prefix)-42-HYL48	(Prefix)-42-HYR48	89 5/16	2268	76 5/8	1687	29 1/8	740

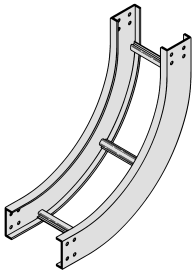
(Prefix) **See page 130 for catalog number prefix.**

All dimensions in parenthesis are millimeters unless otherwise specified.

Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width. Manufacturing tolerances apply to all dimensions.



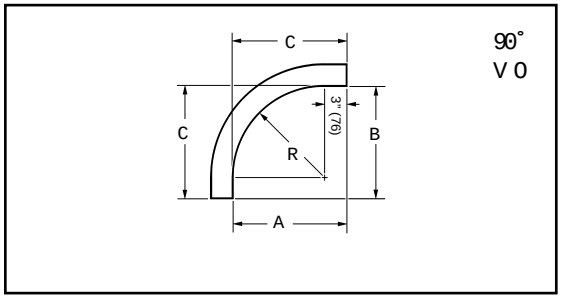
90˚ Vertical Outside

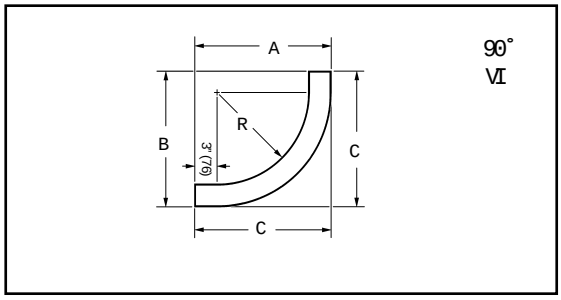


90˚ Vertical Inside

Vertical Bend 90˚ (VO, VI)

1 pair splice plates with hardware included.





Bend Radius R	Tray Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Siderail Height 4" - 7"			VI Siderail Height											
							4"			5"			6"			7"		
				A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
in.	in.	mm		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
	6	152	(Prefix)-06-90(*)12															
	9	228	(Prefix)-09-90(*)12															
	12	305	(Prefix)-12-90(*)12															
12	18	457	(Prefix)-18-90(*)12	15	15	15	19	19	19	20	20	20	21	21	21	22	22	22
(305)	24	609	(Prefix)-24-90(*)12	(381)	(381)	(381)	(483)	(483)	(483)	(508)	(508)	(508)	(533)	(533)	(533)	(559)	(559)	(559)
	30	762	(Prefix)-30-90(*)12															
	36	914	(Prefix)-36-90(*)12															
	42	1067	(Prefix)-42-90(*)12															
	6	152	(Prefix)-06-90(*)24															
	9	228	(Prefix)-09-90(*)24															
	12	305	(Prefix)-12-90(*)24															
24	18	457	(Prefix)-18-90(*)24	27	27	27	31	31	31	32	32	32	33	33	33	34	34	34
(609)	24	609	(Prefix)-24-90(*)24	(686)	(686)	(686)	(787)	(787)	(787)	(813)	(813)	(813)	(838)	(838)	(838)	(864)	(864)	(864)
	30	762	(Prefix)-30-90(*)24															
	36	914	(Prefix)-36-90(*)24															
	42	1067	(Prefix)-42-90(*)24															
	6	152	(Prefix)-06-90(*)36															
	9	228	(Prefix)-09-90(*)36															
	12	305	(Prefix)-12-90(*)36															
36	18	457	(Prefix)-18-90(*)36	39	39	39	43	43	43	44	44	44	45	45	45	46	46	46
(914)	24	609	(Prefix)-24-90(*)36	(991)	(991)	(991)	(1092)	(1092)	(1092)	(1118)	(1118)	(1118)	(1143)	(1143)	(1143)	(1168)	(1168)	(1168)
	30	762	(Prefix)-30-90(*)36															
	36	914	(Prefix)-36-90(*)36															
	42	1067	(Prefix)-42-90(*)36															
	6	152	(Prefix)-06-90(*)48															
	9	228	(Prefix)-09-90(*)48															
	12	305	(Prefix)-12-90(*)48															
48	18	457	(Prefix)-18-90(*)48	51	51	51	55	55	55	56	56	56	57	57	57	58	58	58
(1219)	24	609	(Prefix)-24-90(*)48	(1295)	(1295)	(1295)	(1397)	(1397)	(1397)	(1422)	(1422)	(1422)	(1448)	(1448)	(1448)	(1473)	(1473)	(1473)
	30	762	(Prefix)-30-90(*)48															
	36	914	(Prefix)-36-90(*)48															
	42	1067	(Prefix)-42-90(*)48															

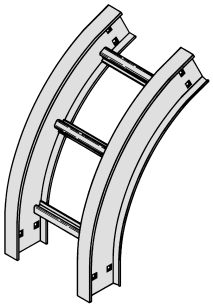
(Prefix) See page 130 for catalog number prefix.

All dimensions in parenthesis are millimeters unless otherwise specified.

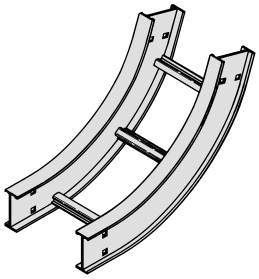
Manufacturing tolerances apply to all dimensions.

Vertical Bend 60˚ (VO, VI)

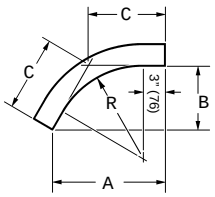
1 pair splice plates with hardware included.



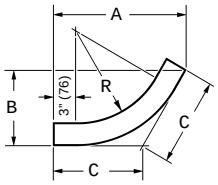
60˚ Vertical Outside



60˚ Vertical Inside



60˚ VO



60˚ VI

Bend Radius R	Tray Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Siderail Height 4" - 7"			VI Siderail Height											
							4"			5"			6"			7"		
				A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
in.	in.	mm		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
12 (305)	6	152	(Prefix)-06-60(*)12	14 7/8 (378)	8 5/8 (219)	9 15/16 (253)	18 3/8 (467)	10 5/8 (270)	12 1/4 (311)	19 1/4 (489	11 1/8 (283)	12 13/16 (326)	20 1/16 (510)	11 5/8 (296)	13 3/8 (340)	21 15/16 (557)	12 1/8 (308)	14 (356)
	9	228	(Prefix)-09-60(*)12															
	12	305	(Prefix)-12-60(*)12															
	18	457	(Prefix)-18-60(*)12															
	24	609	(Prefix)-24-60(*)12															
	30	762	(Prefix)-30-60(*)12															
	36	914	(Prefix)-36-60(*)12															
	42	1067	(Prefix)-42-60(*)12															
24 (609)	6	152	(Prefix)-06-60(*)24	25 5/16 (643)	14 5/8 (372)	16 7/8 (428)	28 3/4 (730)	16 5/8 (422)	19 3/16 (488)	29 5/8 (753)	17 1/8 (435)	19 3/4 (502)	30 1/2 (775)	17 5/8 (448)	20 5/16 (516)	31 3/8 (797)	18 1/8 (461)	20 7/8 (530)
	9	228	(Prefix)-09-60(*)24															
	12	305	(Prefix)-12-60(*)24															
	18	457	(Prefix)-18-60(*)24															
	24	609	(Prefix)-24-60(*)24															
	30	762	(Prefix)-30-60(*)24															
	36	914	(Prefix)-36-60(*)24															
	42	1067	(Prefix)-42-60(*)24															
36 (914)	6	152	(Prefix)-06-60(*)36	35 11/16 (907)	20 5/8 (524)	23 13/16 (605)	39 1/8 (994)	22 5/8 (575)	26 1/8 (663)	40 (1016)	23 1/8 (587)	26 11/16 (687)	40 7/8 (1038)	23 5/8 (600)	27 1/4 (692)	41 3/4 (1060)	24 1/8 (613)	27 13/16 (706)
	9	228	(Prefix)-09-60(*)36															
	12	305	(Prefix)-12-60(*)36															
	18	457	(Prefix)-18-60(*)36															
	24	609	(Prefix)-24-60(*)36															
	30	762	(Prefix)-30-60(*)36															
	36	914	(Prefix)-36-60(*)36															
	42	1067	(Prefix)-42-60(*)36															
48 (1219)	6	152	(Prefix)-06-60(*)48	46 1/16 (1170)	26 5/8 (676)	30 11/16 (780)	49 9/16 (1259)	28 5/8 (727)	33 (838)	50 3/8 (1280)	29 1/8 (740)	33 5/8 (854)	51 1/4 (1302)	29 5/8 (753)	34 3/16 (868)	52 1/8 (1324)	30 1/8 (765)	34 3/4 (883)
	9	228	(Prefix)-09-60(*)48															
	12	305	(Prefix)-12-60(*)48															
	18	457	(Prefix)-18-60(*)48															
	24	609	(Prefix)-24-60(*)48															
	30	762	(Prefix)-30-60(*)48															
	36	914	(Prefix)-36-60(*)48															
	42	1067	(Prefix)-42-60(*)48															

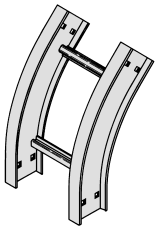
(Prefix) See page 130 for catalog number prefix.

All dimensions in parenthesis are millimeters unless otherwise specified.

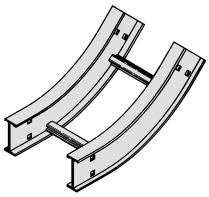
Manufacturing tolerances apply to all dimensions.

Vertical Bend 45˚ (VO, VI)

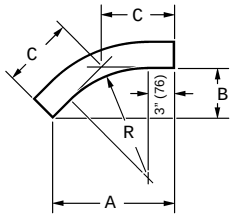
1 pair splice plates with hardware included.



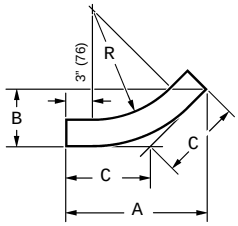
45˚ Vertical Outside



45˚ Vertical Inside



45˚
VO



45˚
VI

Bend Radius R	Tray Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Siderail Height 4" - 7"			VI Siderail Height									
							4"			5"			6"			7"		
				A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
in.	in.	mm		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
12 (305)	6	152	(Prefix)-06-45(*)12	13 5/8 (346)	5 5/8 (143)	8 (203)	16 7/16 (417)	6 13/16 (173)	9 5/8 (245)	17 1/8 (435)	7 1/8 (181)	10 1/16 (256)	17 7/8 (454)	7 3/8 (188)	10 7/16 (265)	18 9/16 (471)	7 11/16 (195)	10 7/8 (2176)
	9	228	(Prefix)-09-45(*)12															
	12	305	(Prefix)-12-45(*)12															
	18	457	(Prefix)-18-45(*)12															
	24	609	(Prefix)-24-45(*)12															
	30	762	(Prefix)-30-45(*)12															
	36	914	(Prefix)-36-45(*)12															
	42	1067	(Prefix)-42-45(*)12															
24 (609)	6	152	(Prefix)-06-45(*)24	22 1/16 (561)	9 1/8 (232)	12 15/16 (329)	24 15/16 (634)	10 5/16 (262)	14 5/8 (372)	25 5/8 (651)	10 5/8 (270)	15 (381)	26 5/16 (668)	10 15/16 (278)	15 7/16 (392)	27 1/16 (687)	11 3/16 (284)	15 13/16 (402)
	9	228	(Prefix)-09-45(*)24															
	12	305	(Prefix)-12-45(*)24															
	18	457	(Prefix)-18-45(*)24															
	24	609	(Prefix)-24-45(*)24															
	30	762	(Prefix)-30-45(*)24															
	36	914	(Prefix)-36-45(*)24															
	42	1067	(Prefix)-42-45(*)24															
36 (924)	6	152	(Prefix)-06-45(*)36	30 9/16 (776)	12 11/16 (323)	17 15/16 (456)	33 3/8 (848)	13 13/16 (351)	19 9/16 (497)	34 1/8 (867)	14 1/8 (359)	20 (508)	34 13/16 (885)	14 7/16 (367)	20 3/8 (518)	35 1/2 (902)	14 11/16 (284)	20 13/16 (402)
	9	228	(Prefix)-09-45(*)36															
	12	305	(Prefix)-12-45(*)36															
	18	457	(Prefix)-18-45(*)36															
	24	609	(Prefix)-24-45(*)36															
	30	762	(Prefix)-30-45(*)36															
	36	914	(Prefix)-36-45(*)36															
	42	1067	(Prefix)-42-45(*)36															
48 (1219)	6	152	(Prefix)-06-45(*)48	39 1/16 (992)	16 3/16 (411)	22 7/8 (581)	41 7/8 (1064)	17 3/8 (441)	24 9/16 (624)	42 5/8 (1083)	17 5/8 (448)	24 15/16 (633)	43 5/16 (1100)	17 15/16 (456)	25 3/8 (645)	44 (1118)	18 1/4 (464)	25 13/16 (656)
	9	228	(Prefix)-09-45(*)48															
	12	305	(Prefix)-12-45(*)48															
	18	457	(Prefix)-18-45(*)48															
	24	609	(Prefix)-24-45(*)48															
	30	762	(Prefix)-30-45(*)48															
	36	914	(Prefix)-36-45(*)48															
	42	1067	(Prefix)-42-45(*)48															

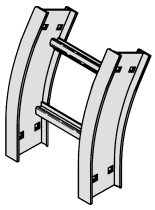
(Prefix) See page 130 for catalog number prefix.

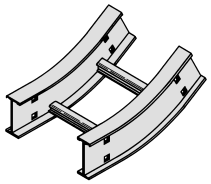
All dimensions in parenthesis are millimeters unless otherwise specified.

Manufacturing tolerances apply to all dimensions.

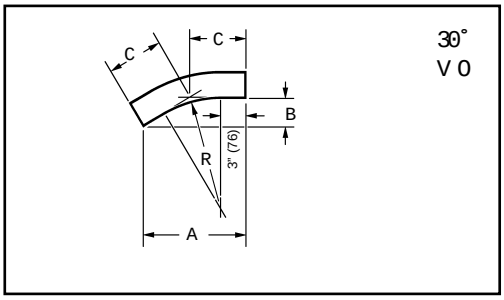
Vertical Bend 30˚ (VO, VI)

1 pair splice plates with hardware included.

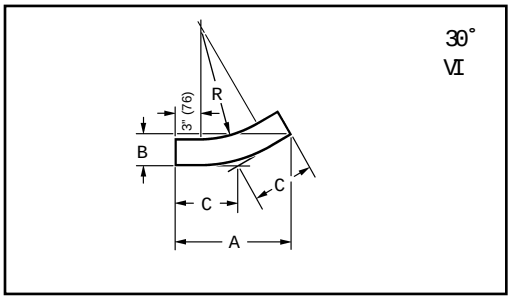




30˚ Vertical Outside

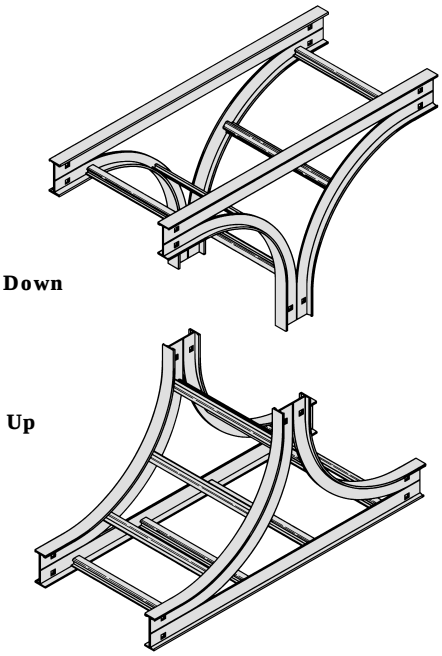


30˚ Vertical Inside



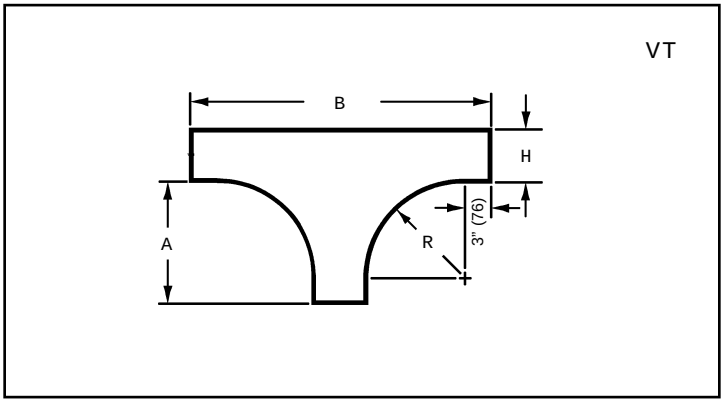
Bend Radius R	Tray Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Siderail Height 4" - 7"			VI Siderail Height											
							4"			5"			6"			7"		
				A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
in.	in.	mm		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
12 (305)	6	152	(Prefix)-06-30(*)12	11 5/8 (296)	3 1/8 (79)	6 3/16 (157)	13 5/8 (346)	3 5/8 (92)	7 5/16 (186)	14 1/8 (359)	3 3/4 (95)	7 9/16 (192)	14 5/8 (372)	3 15/16 (100)	7 13/16 (199)	15 1/8 (384)	4 1/16 (103)	8 1/16 (205)
	9	228	(Prefix)-09-30(*)12															
	12	305	(Prefix)-12-30(*)12															
	18	457	(Prefix)-18-30(*)12															
	24	609	(Prefix)-24-30(*)12															
	30	762	(Prefix)-30-30(*)12															
	36	914	(Prefix)-36-30(*)12															
	42	1067	(Prefix)-42-30(*)12															
24 (609)	6	152	(Prefix)-06-30(*)24	17 5/8 (448)	4 11/16 (120)	9 7/16 (240)	19 5/8 (499)	5 1/4 (133)	10 1/2 (267)	20 1/8 (511	5 3/8 (137)	10 3/4 (273)	20 5/8 (524)	5 1/2 (140)	11 1/16 (282)	21 1/8 (537)	5 5/8 (143)	11 5/16 (287)
	9	228	(Prefix)-09-30(*)24															
	12	305	(Prefix)-12-30(*)24															
	18	457	(Prefix)-18-30(*)24															
	24	609	(Prefix)-24-30(*)24															
	30	762	(Prefix)-30-30(*)24															
	36	914	(Prefix)-36-30(*)24															
	42	1067	(Prefix)-42-30(*)24															
36 (914)	6	152	(Prefix)-06-30(*)36	23 5/8 (600)	6 5/16 (160)	12 5/8 (321)	25 5/8 (651)	6 7/8 (174)	13 11/16 (348)	26 1/8 (663)	7 (175)	14 (356)	26 5/8 (676)	7 1/8 (181)	14 1/4 (362)	27 1/8 (689)	7 1/4 (184)	14 1/2 (287)
	9	228	(Prefix)-09-30(*)36															
	12	305	(Prefix)-12-30(*)36															
	18	457	(Prefix)-18-30(*)36															
	24	609	(Prefix)-24-30(*)36															
	30	762	(Prefix)-30-30(*)36															
	36	914	(Prefix)-36-30(*)36															
	42	1067	(Prefix)-42-30(*)36															
48 (1219)	6	152	(Prefix)-06-30(*)48	29 5/8 (753)	7 15/16 (202)	15 7/8 (403)	31 5/8 (803)	8 7/16 (214)	16 15/16 (430)	32 1/8 (816)	8 5/8 (219)	17 3/16 (437)	32 5/8 (829)	8 3/4 (222)	17 1/2 (445)	33 1/8 (842)	8 7/8 (226)	17 3/4 (451)
	9	228	(Prefix)-09-30(*)48															
	12	305	(Prefix)-12-30(*)48															
	18	457	(Prefix)-18-30(*)48															
	24	609	(Prefix)-24-30(*)48															
	30	762	(Prefix)-30-30(*)48															
	36	914	(Prefix)-36-30(*)48															
	42	1067	(Prefix)-42-30(*)48															

(Prefix) See page 130 for catalog number prefix.
All dimensions in parenthesis are millimeters unless otherwise specified.
Manufacturing tolerances apply to all dimensions.



Vertical Tee Up/ Down (VTU/VT)

2 pair splice plates with hardware included.

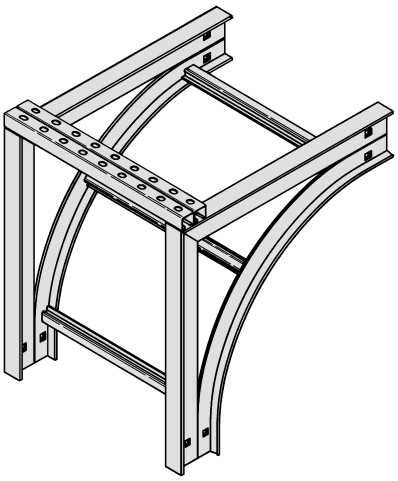


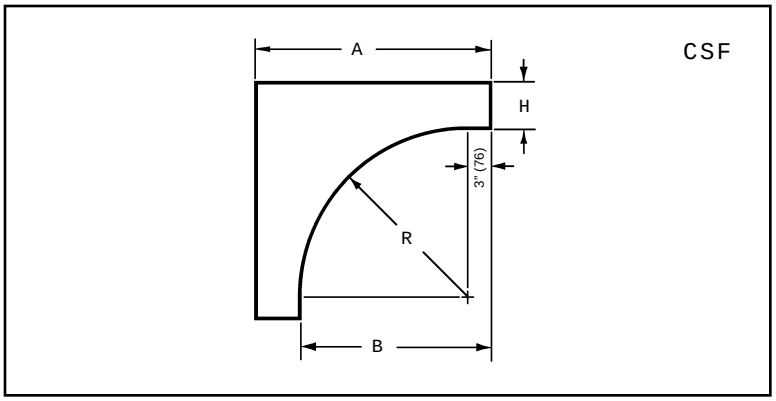
Bend Radius R in.	Tray Width in.	Tray Width mm	Vertical Tee Down Catalog No.	Vertical Tee Up Catalog No.	Siderail Height "H" 4" A in.	4" B in.	5" A in.	5" B in.	6" A in.	6" B in.	7" A in.	7" B in.
12 (305)	6	152	(Prefix)-06-VT12	(Prefix)-06-VTU12	15 (381)	34 (846)	15 (381)	35 (889)	15 (381)	36 (914)	15 (381)	37 (940)
	9	228	(Prefix)-09-VT12	(Prefix)-09-VTU12								
	12	305	(Prefix)-12-VT12	(Prefix)-12-VTU12								
	18	457	(Prefix)-18-VT12	(Prefix)-18-VTU12								
	24	609	(Prefix)-24-VT12	(Prefix)-24-VTU12								
	30	762	(Prefix)-30-VT12	(Prefix)-30-VTU12								
	36	914	(Prefix)-36-VT12	(Prefix)-36-VTU12								
	42	1067	(Prefix)-42-VT12	(Prefix)-42-VTU12								
24 (609)	6	152	(Prefix)-06-VT24	(Prefix)-06-VTU24	27 (6867)	58 (1473)	27 (686)	59 (1498)	27 (686)	60 (1524)	27 (686)	61 (1549)
	9	228	(Prefix)-09-VT24	(Prefix)-09-VTU24								
	12	305	(Prefix)-12-VT24	(Prefix)-12-VTU24								
	18	457	(Prefix)-18-VT24	(Prefix)-18-VTU24								
	24	609	(Prefix)-24-VT24	(Prefix)-24-VTU24								
	30	762	(Prefix)-30-VT24	(Prefix)-30-VTU24								
	36	914	(Prefix)-36-VT24	(Prefix)-36-VTU24								
	42	1067	(Prefix)-42-VT24	(Prefix)-42-VTU24								
36 (914)	6	152	(Prefix)-06-VT36	(Prefix)-06-VTU36	39 (991)	82 (2083)	39 (991)	83 (2108)	39 (991)	84 (2134)	39 (991)	85 (2159)
	9	228	(Prefix)-09-VT36	(Prefix)-09-VTU36								
	12	305	(Prefix)-12-VT36	(Prefix)-12-VTU36								
	18	457	(Prefix)-18-VT36	(Prefix)-18-VTU36								
	24	609	(Prefix)-24-VT36	(Prefix)-24-VTU36								
	30	762	(Prefix)-30-VT36	(Prefix)-30-VTU36								
	36	914	(Prefix)-36-VT36	(Prefix)-36-VTU36								
	42	1067	(Prefix)-42-VT36	(Prefix)-42-VTU36								
48 (1219)	6	152	(Prefix)-06-VT48	(Prefix)-06-VTU48	51 (1295)	106 (2692)	51 (1295)	107 (2718)	51 (1295)	108 (2743)	51 (1295)	109 (2769)
	9	228	(Prefix)-09-VT48	(Prefix)-09-VTU48								
	12	305	(Prefix)-12-VT48	(Prefix)-12-VTU48								
	18	457	(Prefix)-18-VT48	(Prefix)-18-VTU48								
	24	609	(Prefix)-24-VT48	(Prefix)-24-VTU48								
	30	762	(Prefix)-30-VT48	(Prefix)-30-VTU48								
	36	914	(Prefix)-36-VT48	(Prefix)-36-VTU48								
	42	1067	(Prefix)-42-VT48	(Prefix)-42-VTU48								

(Prefix) See page 130 for catalog number prefix.
All dimensions in parenthesis are millimeters unless otherwise specified.
Manufacturing tolerances apply to all dimensions.

Cable Support Fittings (CSF)

1 pair splice plates with hardware included.





This fitting is recommended for use at the top of vertical runs to support the weight of the cables. The top cross brace is drilled for installing eyebolts, ordered separately.

Bend Radius R in.	Tray Width in.	Tray Width mm	Catalog No.	Siderail Height "H" 4" A in.	4" B in.	5" A in.	5" B in.	6" A in.	6" B in.	7" A in.	7" B in.
12 (305)	6	152	(Prefix)-06-CSF12	19 (483)	15 (381)	20 (508)	15 (381)	21 (533)	15 (381)	22 (559)	15 (381)
	9	228	(Prefix)-09-CSF12								
	12	305	(Prefix)-12-CSF12								
	18	457	(Prefix)-18-CSF12								
	24	609	(Prefix)-24-CSF12								
	30	762	(Prefix)-30-CSF12								
	36	914	(Prefix)-36-CSF12								
	42	1067	(Prefix)-42-CSF12								
24 (609)	6	152	(Prefix)-06-CSF24	31 (787)	27 (686)	32 (813)	27 (686)	33 (838)	27 (686)	34 (864)	27 (686)
	9	228	(Prefix)-09-CSF24								
	12	305	(Prefix)-12-CSF24								
	18	457	(Prefix)-18-CSF24								
	24	609	(Prefix)-24-CSF24								
	30	762	(Prefix)-30-CSF24								
	36	914	(Prefix)-36-CSF24								
	42	1067	(Prefix)-42-CSF24								
36 (914)	6	152	(Prefix)-06-CSF36	43 (1092)	39 (991)	44 (1118)	39 (991)	45 (1143)	39 (991)	46 (1168)	39 (991)
	9	228	(Prefix)-09-CSF36								
	12	305	(Prefix)-12-CSF36								
	18	457	(Prefix)-18-CSF36								
	24	609	(Prefix)-24-CSF36								
	30	762	(Prefix)-30-CSF36								
	36	914	(Prefix)-36-CSF36								
	42	1067	(Prefix)-42-CSF36								
48 (1219)	6	152	(Prefix)-06-CSF48	55 (1397)	51 (1295)	56 (1422)	51 (1295)	57 (1448)	51 (1295)	58 (1473)	51 (1295)
	9	228	(Prefix)-09-CSF48								
	12	305	(Prefix)-12-CSF48								
	18	457	(Prefix)-18-CSF48								
	24	609	(Prefix)-24-CSF48								
	30	762	(Prefix)-30-CSF48								
	36	914	(Prefix)-36-CSF48								
	42	1067	(Prefix)-42-CSF48								

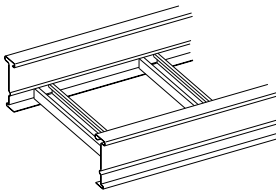
(Prefix) See page 130 for catalog number prefix.
All dimensions in parenthesis are millimeters unless otherwise specified.
Manufacturing tolerances apply to all dimensions.

Notes

Appendix-Bottom Design Options

These options are in addition to the Standard Ladder, Ventilated Trough and Solid Trough type Cable Trays.

Ladder with Strut Rungs

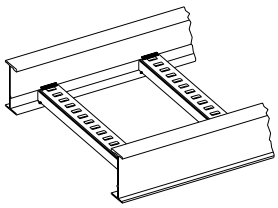


- B44 strut installed as rungs.
- Strut orientation may be slot up, slot down, or alternating - standard is alternating unless specified otherwise.
- Strut may be solid back or with slotted hole pattern "SH".
- The B-Line strut rung system offers additional cable clamping options relative to the chosen slot orientation.

  Examples: 248G09B44-12-144
  Strut rung on 9" centers with alternating slot orientation.

  248G12B44SHDN-12-144
  "SH" Strut rung on 12" centers with channel slot down (Note: replace "DN" with "UP" for channel slot up.)

Marine Rung (Available in Aluminum, HDGAF Steel and Stainless Steel)



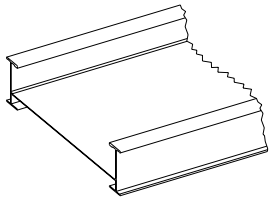
(Aluminum Shown)

- Designed for Series 3 or heavier systems.
- Special rung design to accommodate stainless steel banding of cables (U.S. Coast Guard requirement) with .41" x .75" slots.
- Has applications on land, vertical installation, any location where extra cable positioning/attachment is required.
- Rung strength - Aluminum supports 460 lbs. per rung on 36" wide system with a 1.5 safety factor. Steel supports 442 lbs. per rung on 36" wide system with a 1.5 safety factor.
- Marine rung is designed to provide $1^{1}/_{2}$ inch clearance for the use of a banding tool.

  Example: 46A12MR-36-288 or 464G12MR-36-288

Special Rung Spacings: 3", 4", & 18" rung spacing available upon request.

Solid Bottom

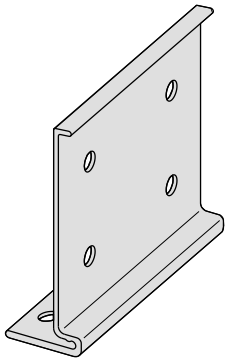


- Solid flat sheet welded into the Cable Tray above the rungs.
- Standard rung spacing is 12 inches.
- The flat sheet may be installed under the rungs, if preferred.
- The flat sheet may be installed over B54 rungs "slot down".

  Examples: 24ASB-36-144
  Flat sheet bottom over standard rung on 12" spacing.

  24ASBB54-36-144
  Flat sheet bottom over B54 strut rung slot down on 12" spacing.

B-Line's 9A-6006 Aluminum Mid-Span Splice



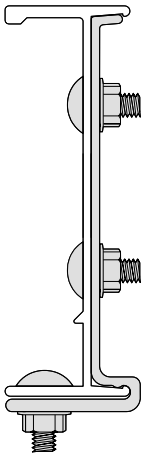
Features
- Standard for H46A straight sections.
- Allows random splice location.
- Mid-Span 20 ft. simple beam test.
  - 135 lbs/ft (safety factor 1.5) tested with H46A
  - 101 lbs/ft (safety factor 2.0) tested with H46A
- Six bolt design 1/2" Stainless Steel Type 316 hardware standard Cat. No. 9A-6006.
- Available on ladder bottoms only.
  - 09 and 12" rung spacing.

The Cable Tray: H46A

Tested to:
- 167 lbs/ft (safety factor 1.5)
- 125 lbs/ft (safety factor 2.0)
- 20 ft. simple beam test
  - 12" rung spacing • 36" wide

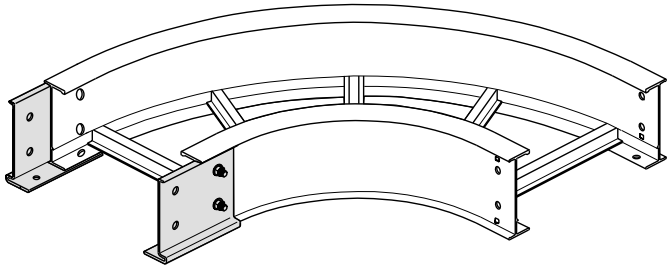
The Splice: 9A-6006

Tested to:
- 135 lbs/ft (safety factor 1.5)
- 101 lbs/ft (safety factor 2.0)
- 20 ft. simple beam test
  - mid-span splice



Options: The 9A-6006 splice is also available with B-Line's 46A and M46A series cable tray systems

- Available on ladder bottoms only (09"and 12" rung spacing).
- Available on 288" (24') length long span straight sections.
- To order add "MS" to part number: Ex. 46AMS09-24-288.
- For standard 6A fittings with H46A systems an additional pair of standard splice plates is required (9A-1006).

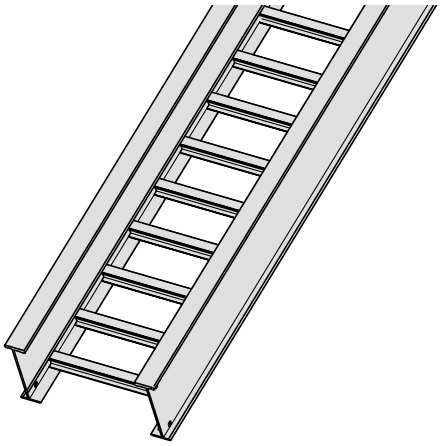


One pair 9A-6006 included.

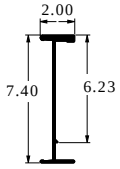
Also available: H6A Fittings
- Ladder bottom only (09" RS).
- Incorporates the 9A-6006 splice.
- Example: H6A-12-90HB24

57A

Ladder Type Aluminum Cable Tray
Aluminum Alloy 6063-T6
Loading Depth = 6.23

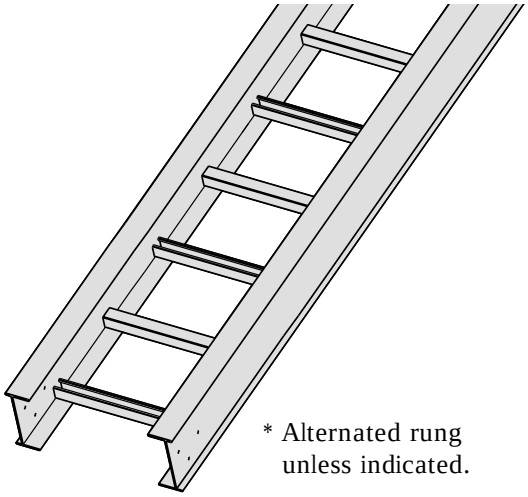


Load Chart for 57A

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
57		NEMA: 20C+ CSA: N/A UL Cross-Sectional Area: 2.00 in²	20	232	0.011		6.1	345	0.188	
			22	192	0.016	Area=4.22 in²	6.7	286	0.273	Area=27.23 cm²
			24	161	0.023	Sx=7.73 in³	7.3	240	0.392	Sx=126.69 cm³
			26	100	0.031	Ix=32.86 in⁴	7.9	149	0.529	Ix=1367.96 cm⁴
			28	86	0.042		8.5	128	0.716	
			30	75	0.055		9.1	112	0.938	

S8A

Ladder Type Aluminum Cable Tray
Aluminum Alloy 6063-T6
Loading Depth = 6.175
B24 Aluminum Strut Rungs

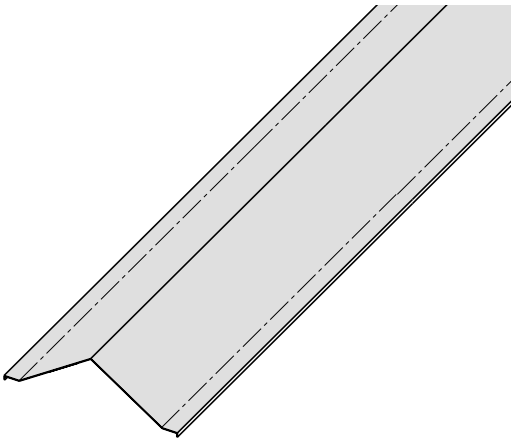


* Alternated rung unless indicated.

Load Chart for S8A

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
S8A		NEMA: 20C+ CSA: N/A UL Cross-Sectional Area: 2.00 in²	20	390	0.007		6.1	615	0.119	
			22	322	0.011	Area=5.50 in²	6.7	479	0.188	Area=35.49 cm²
			24	271	0.015	Sx=15.39 in³	7.3	403	0.256	Sx=252.24 cm³
			26	231	0.021	Ix=55.35 in⁴	7.9	344	0.358	Ix=2304.22 cm⁴
			28	199	0.028		8.5	296	0.478	
			30	173	0.037		9.1	257	0.631	

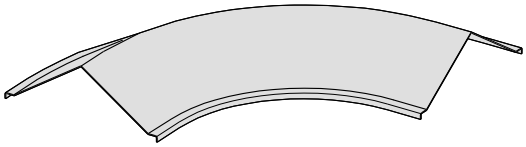
Special Purpose 2 to 3 Pitch Peaked Covers



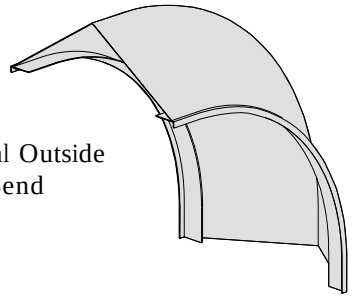
Features

- 33° slope to shed precipitants.
- Heavy construction - made for the industrial environment.
- Available in aluminum and steel; hot dip galvanized after fabrication (HDGAF ASTM A-123), 304 stainless and 316 stainless.
- Available in flanged design only.
- Fittings are in multiple piece welded construction.

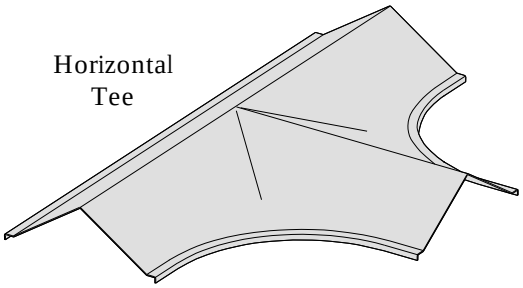
2 to 3 Pitch	
Tray Width	**Peak Height**
6”	2”
9”	3”
12”	4”
18”	6”
24”	8”
30”	10”
36”	12”



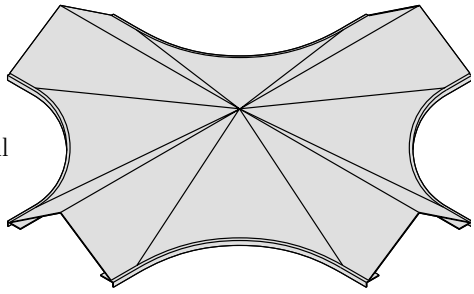
Horizontal Bend



Vertical Outside Bend



Horizontal Tee



Horizontal Cross

Catalog Number Selector

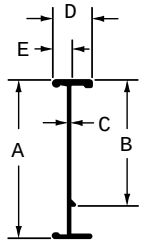
Example: 83 7 A 80 - 24 - 144

Cover Type	Detail	Material	Material Thickness	Tray Width	Item Description
83 = 2 to 3 Pitch Peaked	7 = Flanged Aluminum 2 = Flanged Steel (248, 258, 268 straight sections & fittings 3 = Flanged Steel (All straight sections except 248, 258, 268)	A = Aluminum G = HDGAF ASTM A-123 SS4 = 304 Stainless Steel SS6 = 316 Stainless Steel	80 = .080 Aluminum straight section 125 = .125 Aluminum fittings 16 = 16 Ga. Steel straight sections fittings 24" wide 24” radius and up 18 = 18 Ga. Steel fittings to 24” wide 24” radius	06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	144 = 12 ft. (3.66m) 120 = 10 ft. (3.05m) 72 = 6 ft. (1.83m) 60 = 5 ft. (1.52m)

Cable Tray Side Rails

Design Data For One Rail

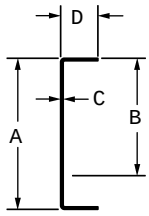
Aluminum Side Rails



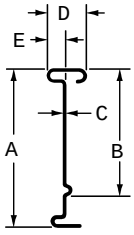
A - Siderail Height
B - Loading Depth
C - Web Thickness
D - Flange Width

B-Line Series	Siderail Height	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	Sx (in.³)	Ix (in.⁴)	Area (in.²)	Weight (lbs./ft.)
14	4	3.88	3.02	.060	.75	.356	.38	.73	.355	.42
M14	4	3.95	3.08	.060	.75	.356	.46	.98	.437	.50
24	4	4.12	3.05	.060	1.75	.740	.67	1.43	.525	.62
M24	4	4.18	3.09	.080	1.75	.760	.84	1.93	.750	.83
34	4	4.20	3.08	.100	1.75	.750	1.05	2.49	.902	1.06
25	5	5.00	3.93	.068	1.75	.748	.90	2.31	.620	.72
35	5	5.06	3.96	.090	1.75	.745	1.18	3.19	.857	.98
26	6	6.12	5.04	.065	2.00	.745	1.26	3.95	.698	.82
36	6	6.17	5.06	.075	2.00	.725	1.68	5.42	.903	1.05
46	6	6.19	5.08	.085	2.00	.650	1.79	6.09	.989	1.17
M46	6	6.20	5.09	.100	2.00	.750	1.89	6.36	1.116	1.30
H46	6	6.24	5.09	.130	2.00	.750	2.67	8.65	1.473	1.74
37	7	7.14	6.05	.075	2.00	.750	1.88	6.75	.904	1.06
47	7	7.24	6.09	.125	2.00	.675	3.05	11.46	1.520	1.77

Steel Side Rails



Series One Rail Only



All Other Steel Rails

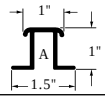
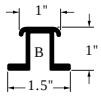
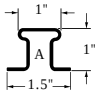
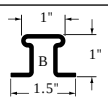
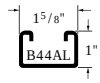
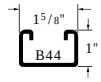
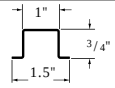
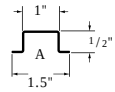
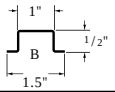
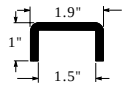
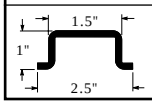
A - Siderail Height
B - Loading Depth
C - Web Thickness
D - Flange Width

B-Line Series	Siderail Height	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	Sx (in.³)	Ix (in.⁴)	Area (in.²)	Weight (lbs./ft.)
148	4	3.625	3.125	.048	.875	--	.25	.45	.251	.84
156	5	4.188	3.688	.60	.875	--	.36	.76	.340	1.16
166	6	5.188	4.688	.60	.875	--	.46	1.20	.385	1.31
176	7	6.188	5.688	.60	.750	--	.64	1.90	.444	1.52
248	4	4.188	3.14	.048	1.000	.392	.32	.72	.313	1.17
346	4	4.188	3.13	.060	1.500	.655	.48	1.11	.449	1.64
444	4	4.188	3.11	.075	1.500	.670	.64	1.47	.561	2.02
258	5	5.188	4.14	.048	1.000	.392	.45	1.22	.361	1.34
356	5	5.188	4.13	.060	1.500	.655	.66	1.86	.509	1.86
454	5	5.188	4.11	.075	1.500	.670	.87	2.48	.636	2.29
268	6	6.188	5.14	.048	1.000	.392	.59	1.90	.409	1.52
368	6	6.188	5.13	.048	1.500	.643	.71	2.39	.457	1.70
366	6	6.188	5.14	.060	1.500	.655	.85	2.87	.569	2.08
464	6	6.188	5.11	.075	1.500	.670	1.14	3.83	.711	2.56
378	7	7.188	6.14	.048	1.500	.643	.89	3.45	.505	1.88
476	7	7.188	6.13	.060	1.500	.655	1.07	4.15	.629	2.30
574	7	7.188	6.11	.075	1.500	.670	1.43	5.55	.792	2.83

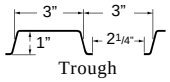
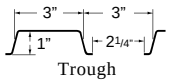
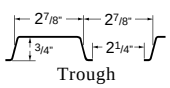
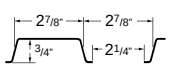
Design Factors: Ix = Moment of Inertia, Sx = Section Modulus

Cable Tray Bottom Members

Ladder Type Rungs

Rung Type	Design Factors	Material Type	Single Rung Uniform Load Capacity (in Lbs.) with safety factor of 1.5						
			Tray Width						
			6	9	12	18	24	30	36
	Ix = .0361 in.⁴ Sx = .0707 in.³	Aluminum	2357	1571	1178	785	589		
	Ix = .0432 in.⁴ Sx = .0877 in.³	Aluminum						591	487
	Ix = .0249 in.⁴ Sx = .0528 in.³	Steel	2323	1549	1162	774	581		
	Ix = .0312 in.⁴ Sx = .0661 in.³	Steel						582	485
	Ix = .0450 in.⁴ Sx = .0787 in.³	Aluminum Strut Rung	2623	1748	1311	874	656	525	437
	Ix = .0445 in.⁴ Sx = .0782 in.³	Steel Strut Rung	3437	2292	1719	1145	860	687	573
	Ix = .0129 in.⁴ Sx = .0314 in.³	Aluminum Series 1	1047	698	523	349	262	210	175
	Ix = .0039 in.⁴ Sx = .0134 in.³	Steel Series 1	972	648	486	324	243		
	Ix = .0047 in.⁴ Sx = .0164 in.³	Steel Series 1						234	195
	Ix = .0497 in.⁴ Sx = .0828 in.³	Aluminum Marine Rung	2781	1840	1380	919	690	558	460
	Ix = .0456 in.⁴ Sx = .0797 in.³	Steel Marine Rung	2656	1771	1328	885	664	531	442

Corrugated Bottoms (Ventilated and Solid)

Bottom Type	Design Factors	Material Type	Single Rung Load Capacity (in Lbs.) with safety factor of 1.5						
			Tray Width						
			6	9	12	18	24	30	36
	Ix = .0455 in.⁴ Sx = .0898 in.³	Aluminum	3141	2029	1491	970	726	660	594
	Ix = .0348 in.⁴ Sx = .0667 in.³	Steel	2973	1946	1445	955	711	650	590
	Ix = .0243 in.⁴ Sx = .0677 in.³	Series One Aluminum	2448	1632	1224	816	612		
	Ix = .0185 in.⁴ Sx = .0503 in.³	Series 148 Steel	2645	1763	1323	881	661		

Appendix

Reference Material-Cable Tray Weights

Series 1

Aluminum Side Rail Weights

Tray Series		14	M14
Weight for 2 Side Rails	lbs/ft	0.84	1.00
	kg/m	1.25	1.49

Example:
Weight for M14A09-12-144
= 1.00 lbs/ft + .26 lbs/ft = 1.26 lbs/ft
= (1.26 lbs/ft) (12 ft) = 15.12 lbs.

Steel Side Rail Weights

Tray Series		148	156	166	176
Weight for 2 Side Rails	lbs/ft	1.68	2.32	2.62	3.03
	kg/m	2.50	3.45	3.90	4.51

Tray Bottom Weights

Tray Width (inches)			6	9	12	18	24	30	36
All Series 1 Aluminum	6" Spacing Rung Weight	lbs/ft	0.20	0.30	0.40	0.59	0.79	0.99	1.19
		kg/m	0.29	0.44	0.59	0.88	1.18	1.47	1.77
	9" Spacing Rung Weight	lbs/ft	0.13	0.20	0.26	0.39	0.52	0.65	0.79
		kg/m	0.19	0.29	0.39	0.58	0.78	0.97	1.17
	12" Spacing Rung Weight	lbs/ft	0.10	0.15	0.19	0.29	0.39	0.49	0.58
		kg/m	0.14	0.22	0.29	0.43	0.58	0.72	0.87
	Vented Trough Weight	lbs/ft	0.23	0.34	0.45	0.68	0.90	1.13	1.35
		kg/m	0.33	0.50	0.67	1.00	1.34	1.67	2.01
	Solid Trough Weight	lbs/ft	0.27	0.41	0.55	0.82	1.10	1.37	1.65
		kg/m	0.41	0.61	0.82	1.23	1.63	2.04	2.45
All Series 1 Steel	6" Spacing Rung Weight	lbs/ft	0.38	0.57	0.76	1.14	1.52	2.25	2.70
		kg/m	0.57	0.85	1.13	1.70	2.26	3.35	4.02
	9" Spacing Rung Weight	lbs/ft	0.25	0.38	0.51	0.76	1.01	1.50	1.80
		kg/m	0.38	0.57	0.75	1.13	1.51	2.23	2.68
	12" Spacing Rung Weight	lbs/ft	0.19	0.29	0.38	0.57	0.76	1.13	1.35
		kg/m	0.29	0.43	0.57	0.85	1.13	1.68	2.01
Series 148 Steel	Vented Trough Weight	lbs/ft	0.48	0.72	0.95	1.43	1.91	2.39	2.86
		kg/m	0.71	1.06	1.42	2.13	2.84	3.55	4.26
	Solid Trough Weight	lbs/ft	0.60	0.90	1.20	1.80	2.39	2.99	3.59
		kg/m	0.89	1.34	1.78	2.67	3.56	4.45	5.34
Series 156, 166 & 176 Steel	4" Vented Rung Weight	lbs/ft	0.57	0.86	1.14	1.71	2.28	3.37	3.42
		kg/m	0.85	1.27	1.70	2.54	3.39	5.02	5.09
	Solid Bottom Weight	lbs/ft	1.01	1.51	2.01	3.02	4.02	5.20	6.25
		kg/m	1.50	2.24	2.99	4.49	5.98	7.74	9.29

When using steel tray that is hot dip galvanized after fabrication add 9.6% to weights.

Reference Material-Cable Tray Weights

Series 2,3,4 or 5

Aluminum Side Rail Weights

Tray Series		24	M24	34	25	35	26	36	46	M46	H46	37	47
Weight for 2 Side Rails	lbs/ft	1.23	1.66	2.12	1.44	1.96	1.64	2.09	2.33	2.60	3.47	2.12	3.54
	kg/m	1.83	2.47	3.15	2.14	2.92	2.44	3.11	3.47	3.87	5.16	3.15	5.27

Steel Side Rail Weights

Tray Series		248	346	444	258	356	454	268	368	366	464	378	476	574
Weight for 2 Side Rails	lbs/ft	2.34	3.28	4.04	2.68	3.72	4.58	3.04	3.40	4.16	5.12	3.76	4.60	5.66
	kg/m	3.48	4.88	6.01	3.99	5.54	6.82	4.52	5.06	6.19	7.62	5.59	6.84	8.42

Tray Bottom Weights

Tray Width (inches)			6	9	12	18	24	30	36	42
All Series 2,3,4 Aluminum	6" Spacing Rung Weight	lbs/ft	0.30	0.44	0.59	0.89	1.18	1.70	2.04	2.38
		kg/m	0.44	0.66	0.88	1.32	1.76	2.53	3.04	3.54
	9" Spacing Rung Weight	lbs/ft	0.20	0.29	0.39	0.59	0.78	1.13	1.36	1.58
		kg/m	0.29	0.44	0.58	0.87	1.16	1.68	2.02	2.35
	12" Spacing Rung Weight	lbs/ft	0.15	0.22	0.29	0.44	0.58	0.85	1.02	1.19
		kg/m	0.22	0.32	0.43	0.65	0.86	1.26	1.52	1.77
	18" Spacing Rung Weight	lbs/ft	0.10	0.15	0.20	0.30	0.40	0.57	0.68	0.80
		kg/m	0.15	0.22	0.30	0.45	0.60	0.85	1.02	1.19
	Vented Trough Weight	lbs/ft	0.25	0.38	0.50	0.75	1.00	1.25	1.50	1.75
		kg/m	0.37	0.56	0.74	1.12	1.49	1.86	2.23	2.60
	Solid Trough Weight	lbs/ft	0.31	0.46	0.61	0.92	1.22	1.53	1.83	2.14
		kg/m	0.45	0.68	0.91	1.36	1.82	2.27	2.72	3.18
All Series 2,3,4,5 Steel	6" Spacing Rung Weight	lbs/ft	0.62	0.92	1.23	1.85	2.46	3.67	4.40	5.14
		kg/m	0.92	1.37	1.83	2.75	3.66	5.46	6.55	7.65
	9" Spacing Rung Weight	lbs/ft	0.41	0.62	0.82	1.23	1.64	2.45	2.94	3.43
		kg/m	0.61	0.92	1.22	1.83	2.44	3.65	4.37	5.10
	12" Spacing Rung Weight	lbs/ft	0.31	0.47	0.62	0.93	1.24	1.84	2.21	2.58
		kg/m	0.46	0.69	0.92	1.38	1.85	2.74	3.29	3.83
	18" Spacing Rung Weight	lbs/ft	0.21	0.31	0.41	0.62	0.82	1.22	1.46	1.71
		kg/m	0.31	0.46	0.61	0.92	1.22	1.82	2.18	2.54
	Vented Trough Weight	lbs/ft	0.53	0.80	1.06	1.59	2.12	2.65	3.18	3.71
		kg/m	0.79	1.18	1.58	2.37	3.15	3.94	4.73	5.52
	Solid Trough Weight	lbs/ft	0.67	1.00	1.33	2.00	2.66	3.33	3.99	4.66
		kg/m	0.99	1.48	1.98	2.97	3.96	4.95	5.94	6.93

When using steel tray that is hot dip galvanized after fabrication add 9.6% to weights.

Cable Information-Methods Permitted

Wiring methods permitted in cable tray per the 1999 NEC®

1. Armored cable . . . . . (Article 333)
2. Electrical metallic tubing. . . . . (Article 348)
3. Electrical nonmetallic tubing . . . . . (Article 331)
4. Fire alarm cables . . . . . (Article 760)
5. Flexible metal conduit . . . . . (Article 350)
6. Flexible metallic tubing . . . . . (Article 349)
7. Instrumentation tray cable . . . . . (Article 727)
8. Intermediate metal conduit . . . . . (Article 345)
9. Liquidtight flexible metal conduit and liquidtight flexible nonmetallic conduit . . . . . (Article 351)
10. Metal-clad cable . . . . . (Article 334)
11. Mineral-insulated, metal-sheathed cable . . . . . (Article 330)
12. Multiconductor service-entrance cable . . . . . (Article 338)
13. Multiconductor underground feeder and branch-circuit cable . . . . . (Article 339)
14. Multipurpose and communications cables . . . . . (Article 800)
15. Nonmetallic-sheathed cable . . . . . (Article 336)
16. Power and control tray cable . . . . . (Article 340)
17. Power-limited tray cable . . . . . (Section 725-61(c) and 725-71(e)
18. Optical fiber cables . . . . . (Article 770)
19. Other factory-assembled, multiconductor control, signal, or power cables that are specifically approved for installation in cable trays
20. Rigid metal conduit . . . . . (Article 346)
21. Rigid nonmetallic conduit . . . . . (Article 347)

Formulas

Legend		
w	=	load (lbs/ft)
W	=	total load across span (lbs)
F	=	design stress (lbs/in^2)
L	=	span (inches)
Sx	=	section modulus for 2 rails (in^3) (see page A-5 for Sx values)
E	=	10 million for Alum. (lb/in.^{2}) 29 million for Steel (lb/in.^{2})
Ix	=	moment of inertia for 2 rails (in^4) (see page A-5 for Ix values)

- Allowable load: $w = \frac{F96Sx}{L^2}$

- Deflection: $\Delta = \frac{5WL^3}{384EIx}$

$= \frac{5wL^4}{4608EIx}$

- Stress: $F = \frac{wL^2}{96Sx}$

- Deflection Multiplier (K) = $\frac{\text{deflection}}{w}$

$= \frac{5L^4 12^3}{384EIx}$

- Max. working load = $\frac{\text{Max. deflection}}{\text{Deflection Multiplier}}$

Metric Conversion Chart

To Convert From	To	Multiply By
Angle		
degree	radian (rad)	0.01745329
radian (rad)	degree	57.295780
Area		
foot^2	square meter (m^2)	0.09290304
inch^2	square meter (m^2)	0.0064516 x 10^{-2}
circular mil	square meter (m^2)	0.00005067075 x 10^{-5}
sq. centimeter (cm^2)	square inch (in^2)	0.15500030
square meter (m^2)	foot^2	10.763910
square meter (m^2)	inch^2	1550.0030
square meter (m^2)	circular mil	1973523000.0
Temperature		
degree Fahrenheit	degree Celsius	$t°C = (t°F - 32) / 1.8$
degree Celsius	degree Fahrenheit	$t°F = 1.8t°C + 32$
Force		
pounds - force (lbf)	newtons (N)	4.4482220
Length		
foot (ft)	meter (m)	0.30480
inch (in)	meter (m)	0.02540
mil	meter (m)	0.002540 x 10^{-3}
inch	micrometer (μm)	25400.0
millimeters	inch (in)	0.039370
meter (m)	foot (ft)	3.280840
meter (m)	inch (in)	39.370080
meter (m)	mil	39370.0080
micrometer (μm)	inch (in)	0.039370080 x 10^{-3}
Volume		
foot^3	cubic meter (m^3)	0.028316850
inch^3	cubic meter (m^3)	0.016387060 x 10^{-3}
cubic centimeter (cm^3)	cubic inch (in^3)	0.061023740
cubic meter (m^3)	foot^3	35.314660
cubic meter (m^3)	inch^3	61023.760
gallon (U.S. liquid)	cubic meter (m^3)	0.0037854120
Section Properties		
section modulus S (in^3)	S (m^3)	0.016387060 x 10^{-3}
moment of inertia I (in^4)	I (m^4)	0.00041623140 x 10^{-3}
modulus of elasticity E (psi)	E (Pa)	6894.7570
section modulus S (m^3)	S (in^3)	61023.740
moment of inertia I (m^4)	I (in^4)	2402510.0
modulus of elasticity E (Pa)	E (psi)	0.014503770 x 10^{-2}

Metric Conversion Chart (Cont.)

To Convert From	To	Multiply By
Bending Moment or Torque		
lbf • ft	newton meter (N•m)	1.3558180
lbf • in	newton meter (N•m)	0.11298480
N•m	lbf • ft	0.73756210
N•m	lbf • in	8.8507480
Mass		
ounce (avoirdupois)	kilogram (kg)	0.028349520
pound (avoirdupois)	kilogram (kg)	0.45359240
ton (short, 2000 lb)	kilogram (kg)	907.18470
ton (long, 2240 lb)	kilogram (kg)	1016.0470
kilogram (kg)	ounce (avoirdupois)	35.273960
kilogram (kg)	pound (avoirdupois)	2.2046220
kilogram (kg)	ton (short, 2000 lb)	0.0011023110
kilogram (kg)	ton (long, 2240 lb)	$0.98420640 \times 10^{-3}$
Mass Per Unit Length		
lb/ft	kilogram per meter (kg/m)	1.4881640
lb/in	kilogram per meter (kg/m)	17.857970
kilogram per meter (kg/m)	lb/ft	0.67196890
kilogram per meter (kg/m)	lb/in	0.55997410
Mass Per Unit Volume		
lb/ft^3	kilogram per cubic meter (kg/m^3)	16.018460
lb/in^3	kilogram per cubic meter (kg/m^3)	27679.90
kilogram per cubic meter (kg/m^3)	lb/ft^3	0.062427970
kilogram per cubic meter (kg/m^3)	lb/in^3	$0.03612730 \times 10^{-3}$
lb/ft^3	lb/in^3	1728.0
Mass Per Unit Area		
lb/ft^2	kilogram per square meter (kg/m^2)	4.8824280
kg/m^2	pound per square foot (lb/ft^2)	0.20481610
Pressure or Stress		
lbf/in^2 (psi)	pascal (Pa)	6894.7570
kip/in^3 (ksi)	pascal (Pa)	6894757.0
lbf/in^2 (psi)	megapascals (MPa)	0.0068947570
pascal (Pa)	pound-force per square inch (psi)	$0.0014503770 \times 10^{-1}$
pascal (Pa)	kip per square inch (ksi)	$0.0014503770 \times 10^{-4}$
megapascals (MPa)	lbf/in^2 (psi)	145.03770

Metric Symbols

m = meter	N = newton
cm = centimeter	kN = kilonewton
mm = millimeter	Pa = pascal
µm = micrometer	MPa = megapascal
kg = kilogram	

Full Cable Tray Systems Specification

SECTION 16114

CABLE TRAYS

PART I - GENERAL

1.01 SECTION INCLUDES

A. The work covered under this section consists of the furnishing of all necessary labor, supervision, materials, equipment, tests and services to install complete cable tray systems as shown on the drawings.

B. Cable tray systems are defined to include, but are not limited to straight sections of [ladder type] [trough type] [solid bottom type] [channel type] cable trays, bends, tees, elbows, drop-outs, supports and accessories.

1.02 REFERENCES

A. ANSI/NFPA 70 - National Electrical Code.

B. ASTM A123 - Specification for Zinc (Hot Galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars, and Strip.

C. ASTM A653 SS - Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot Dip Process, Structural (Physical) Quality.

D. ASTM A607 - Specification for Steel Sheet and Strip, Hot-Rolled and Cold-Rolled, High Strength, Low-Alloy Columbium and/or Vanadium

E. ASTM B633 - Specification for Electrodeposited Coatings of Zinc on Iron and Steel

F. NEMA VE 1 - Metallic Cable Tray Systems.

G. NEMA VE 2 - Metal Cable Tray Installation Guidelines.

1.03 DRAWINGS

A. The drawings which constitute a part of these specifications indicate the general route of the cable tray systems. Data presented on these drawings is as accurate as preliminary surveys and planning can determine until final equipment selection is made. Accuracy is not guaranteed and field verification of all dimensions, routing, etc., is required.

B. Specifications and drawings are for assistance and guidance, but exact routing, locations, distances and levels will be governed by actual field conditions. Contractor is directed to make field surveys as part of his work prior to submitting system layout drawings.

1.04 SUBMITTALS

A. Submittal Drawings: Submit drawings of cable tray and accessories including clamps, brackets, hanger rods, splice plate connectors, expansion joint assemblies, and fittings, showing accurately scaled components.

B. Product Data: Submit manufacturer's data on cable tray including, but not limited to, types, materials, finishes, rung spacings, inside depths and fitting radii. For side rails and rungs, submit cross sectional properties including Section Modulus (Sx) and Moment of Inertia (Ix).

1.05 QUALITY ASSURANCE

A. Manufacturers: Firms regularly engaged in manufacture of cable trays and fittings of types and capacities required, whose products have been in satisfactory use in similar service for not less than 5 years.

B. NEMA Compliance: Comply with NEMA Standards Publication Number VE1, "Cable Tray Systems".

C. NEC Compliance: Comply with NEC, as applicable to construction and installation of cable tray and cable channel systems (Article 318, NEC).

D. UL Compliance: Provide products which are UL classified and labeled.

E. NFPA Compliance: Comply with NFPA 70B, "Recommended Practice for Electrical Equipment Maintenance" pertaining to installation of cable tray systems.

1.06 DELIVERY, STORAGE AND HANDLING

A. Deliver cable tray systems and components carefully to avoid breakage, denting and scoring finishes. Do not install damaged equipment.

B. Store cable trays and accessories in original cartons and in clean dry space; protect from weather and construction traffic.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Manufacturer: Subject to compliance with these specifications, cable tray and cable channel, systems to be installed shall be as manufactured by B-Line Systems, Inc. [or engineer-approved equal.]

2.02 CABLE TRAY SECTIONS AND COMPONENTS

A. General: Except as otherwise indicated, provide metal cable trays, of types, classes and sizes indicated; with splice plates, bolts, nuts and washers for connecting units. Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features.

B. Materials and Finish: Material and finish specifications for each tray type are as follows:

1. Aluminum: Straight section and fitting side rails and rungs shall be extruded from Aluminum Association Alloy 6063. All fabricated parts shall be made from Aluminum Association Alloy 5052.

2. Pre-Galvanized Steel: Straight sections, fitting side rails, rungs, and covers shall be made from structural quality steel meeting the minimum mechanical properties and mill galvanized in accordance with ASTM A653 SS, Grade 33, coating designation G90. Covers for all steel trays will also be furnished from mill galvanized steel in accordance with ASTM A653 G90.

3. Hot Dip Galvanized Steel: Straight section and fitting side rails and rungs shall be made from structural quality steel meeting the minimum mechanical properties of ASTM A570, Grade 33 for 14 gauge and heavier, ASTM A611, Grade C for 16 gauge and lighter, and shall be hot dip galvanized after fabrication in accordance with ASTM A123. All covers and splice plates must also be hot dip galvanized after fabrication; mill galvanized covers are not acceptable for hot dipped galvanized cable tray. All hot dip galvanized after fabrication steel cable trays must be returned to point of manufacture after coating for inspection and removal of all icicles and excess zinc. Failure to do so can cause damage to cables and/or injury to installers.

4. Stainless Steel: Straight section and fitting side rails and rungs shall be made of AISI Type 304 or Type 316 stainless steel. Transverse members (rungs) shall be welded to the side rails with Type 316 stainless steel welding wire.

2.03 TYPE OF TRAY SYSTEM

A. Ladder type trays shall consist of two longitudinal members (side rails) with transverse members (rungs) welded to the side rails. Rungs shall be spaced [6] [9] [12] inches on center. Spacing in radiused fittings shall be 9 inches and measured at the center of the tray's width. Rungs shall have a minimum cable bearing surface of 7/8" with radiused edges. No portion of the rungs shall protrude below the bottom plane of the side rails. Each rung must be capable of supporting the cable load, with a safety factor of 1.5, and a 200 lb. concentrated load at the center of the cable tray.

B. Ventilated trough type trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers. To provide ventilation in the tray, the valleys of the corrugated bottom shall have 2-1/4" x 4" rectangular holes punched along the width of the bottom.

C. Solid bottom trough type trays shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2-3/4" and shall be spaced on 6" centers.

D. Tray Sizes shall have [3] [4] [5] [6] inch minimum usable load depth, or as noted on the drawing.

E. Straight tray sections shall have side rails fabricated as I-Beams. All straight sections shall be supplied in standard [10] [12] [20] [24] foot lengths, except where shorter lengths are permitted to facilitate tray assembly lengths as shown on drawings.

F. Tray widths shall be [6] [9] [12] [18] [24] [30] [36] inches or as shown on drawings.

G. All fittings must have a three inch tangent and a minimum radius of [12] [24] [36] [48] inches.

H. Splice plates shall be the bolted type made as indicated below for each tray type. The resistance of fixed splice connections between an adjacent section of tray shall not exceed .00033 ohm. Splice plate construction shall be such that a splice may be located anywhere within the support span without diminishing rated loading capacity of the cable tray.

1. Aluminum Tray - Splice plates shall be made of 6063-T6 aluminum, using four square neck carriage bolts and serrated flange locknuts. Hardware shall be zinc plated in accordance with ASTM B633, SC1. If aluminum cable tray is to be used outdoors, then hardware shall be Type 316 stainless steel.

2. Steel (including Pre-Galvanized and Hot Dip Galvanized) - Splice plates shall be manufactured of high strength steel, meeting the minimum mechanical properties of ASTM A607, Grade 50. Each splice plate shall be attached with ribbed neck carriage bolts and serrated flange locknuts. Hardware shall be zinc plated in accordance with ASTM B633 SC1 for pre-galvanized cable trays, or Chromium Zinc in accordance with ASTM F-1136-88 for hot dip galvanized cable trays.

Splice plates shall be furnished with straight sections and fittings.

I. Cable Tray Supports: Shall be placed so that the support spans do not exceed the maximum span indicated on drawings. Supports shall be constructed from 12 gauge steel formed shape channel members 1 5/8" x 1 5/8" with necessary hardware such as Trapeze Support Kits (9G-55XX-22SH) as manufactured by B-Line Systems [or engineer approved equal]. Cable trays installed adjacent to walls shall be supported on wall mounted brackets such as B409 as manufactured by B-Line Systems, Inc. [or engineer-approved equal].

J. Trapeze hangers and center hung supports shall be supported by 1/2" (minimum) diameter rods.

K. Barrier Strips: Shall be placed as specified on drawings and be fastened into the tray with self drilling screws.

L. Accessories: Special accessories shall be furnished as required to protect, support, and install a cable tray system. Accessories shall consist of, but are not limited to; section splice plates, expansion plates, blind-end plates, specially-designed ladder drop-outs, barriers, etc.

2.04 LOADING CAPACITIES

A. Cable tray shall be capable of carrying a uniformly distributed load of _____ lbs./ft. on a _____ ft. support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE1-4.01. **In addition to the uniformly distributed load the cable tray shall support 200 lbs. concentrated load at mid-point of span.** Load and safety factors specified are applicable to both the side rails and rung capacities. Cable tray shall be made to manufacturing tolerances as specified by NEMA.

***Omit text for Series 1 cable tray systems.*

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install cable trays as indicated; in accordance with equipment manufacturer's instructions, and with recognized industry practices (NEMA VE-2), to ensure that the cable tray equipment complies with requirements of NEC, and applicable portions of NFPA 70B and NECA's "Standards of Installation" pertaining to general electrical installation practices.

B. Coordinate cable tray with other electrical work as necessary to properly interface installation of cable tray work with other work.

C. Provide sufficient space encompassing cable trays to permit access for installing and maintaining cables.

3.02 TESTING

A. Test cable trays to ensure electrical continuity of bonding and grounding connections, and to demonstrate compliance with specified maximum grounding resistance. See NFPA 70B, Chapter18, for testing and test methods.

B. Manufacturer shall provide test reports witnessed by an independent testing laboratory of the "worst case" loading conditions outlined in this specification and performed in accordance with the latest revision of NEMA VE-1.

Additional Cable Tray Sizing Requirements

AMPACITY:

Multiconductor Cables (2000V or Less)

Cable ampacities shall comply with Tables 310-16 and 310-18 of the NEC® subject to the provisions below:

1. If there are more than 3 current carrying conductors in a cable, derate cable ampacity per section 310-15(b)(2)(a).
2. If tray has solid covers, use 95% of the ampacity values shown in Tables 310-16 and 310-18.
3. If cables are placed in a single layer, with a maintained spacing of not less than 1 cable diameter between cables, the ampacity of the cables shall not exceed the allowable ambient temperature-corrected ampacities of multiconductor cables with not more than 3 insulated conductors in free air in accordance with Section 310-15(c) and Table B-310-3. You must use the ambient ampacity correction factors, found below Table B-310-3, for ambient temperatures other than 40°C (104°F).

Multiconductor Cables (2001 Volts and over) Type MV and Type MC Cables

1. Where cable trays are covered for more than 6 ft. with solid, unventilated covers, use not more than 95% of the ampacity values of Tables 310-75 and 310-76.
2. Where cables are installed in a single layer in uncovered trays with a maintained spacing of not less than one cable diameter between cables, you can use the ampacity values listed in Tables 310-71 and 310-72.

Single Conductor Cables

Ampacity of Cables Rated 2000 Volts or Less in Cable Tray (single conductor cables)

Cable Sizes	Solid Unventilated Cable Tray Cover ?	Applicable Ampacity Tables (*)	Mult. Amp. Table Values By	Special Conditions
600 kcmil and Larger	No (**)	310-17 and 310-19	0.75	
600 kcmil and Larger	Yes	310-17 and 310-19	0.70	
1/0 AWG through 500 kcmil	No (**)	310-17 and 310-19	0.65	
1/0 AWG through 500 kcmil	Yes	310-17 and 310-19	0.60	
1/0 AWG & Larger In Single Layer	No (**)	310-17 and 310-19	1.00	Maintained Spacing Of One Cable Diameter
Single Conductors In Triangle Config. 1/0 AWG and Larger	No (**)	310-20 [See NEC Section 310-15(b)]	1.00	Spacing Of 2.15 x One Conductor O.D. Between Cables

Ampacity of Type MV and Type MC Cables (2001 volts or over) in Cable Trays (single conductor cables)

Cable Sizes	Solid Unventilated Cable Tray Cover ?	Applicable Ampacity Tables (*)	Mult. Amp. Table Values By	Special Conditions
1/0 AWG and Larger	No (**)	310-69 and 310-70	0.75	
1/0 AWG and Larger	Yes	310-69 and 310-70	0.70	
1/0 AWG & Larger In Single Layer	No (**)	310-69 anD 310-70	1.00	Maintained Spacing Of One Cable Diameter
Single Conductors In Triangle Config. 1/0 AWG and Larger	No (**)	310-67 and 310-68	1.05	Spacing Of 2.15 x One Conductor O.D. Between Cables

(*) The ambient ampacity correction factors must be used.
(**) At a specific position, where it is determined that the tray cables require mechanical protection, a single cable tray cover of six feet or less in length can be installed.

Cable Fill in Hazardous (Classified) Locations:

Section 318-3 of the NEC regulates the use of cable tray wiring systems in hazardous (classified) locations. This section states that if cable tray wiring systems are installed in hazardous (classified) locations, the cables that they support must be suitable for installation in those hazardous (classified) locations. The cable carries the installation restriction, not the cable tray except that the cable tray installation must comply with Section 318-4.

Some hazardous (classified) locations require special spacing of the cables. When installing Type MC, MI & TC cables in cable tray in Class II, Division 2 Hazardous (classified) areas, (combustible dusts), the cables are limited to a single layer with spacing between cables equal to the diameter of the largest adjacent cable. This is the only hazardous (classified) location where the spacing of the cables is required although it is recommended that this wiring method also be employed in Class III, Division I, and Class III, Division 2 (Ignitable Fibers & Flyings). Please note that this will alter the cable tray sizing information obtained from the sizing flow chart on page 28 & 29 of this catalog.

Installation Data

Please reference NEMA VE-2, metal cable tray installation guideline, for more complete information

Supports - B-Line Cable Tray shall be sized and installed as a complete cable support system appropriate for the cable types installed. Recommended cable tray support locations are as shown below. Do not exceed the maximum support spacing and design load as printed on the siderail label. Refer to Canadian Electrical Code (CEC) section 12-2202 for minimum cable tray clearances.

Splice Plates - Use factory supplied splice plates only. Splice plates located at the quarter span between supports are preferred. Avoid placing splices at midspan and directly above supports. Torque all splice plate fasteners to 19 ft. - lbs. for 3/8" and 50 ft. - lbs. for 1/2". Expansion splice plate fasteners should be loosened 1/2 turn after reaching full torque to allow for travel. Set the siderail gap for expansion plates according to the chart on page 5 and ensure that a support is located within 2 feet on each side of the expansion splice.

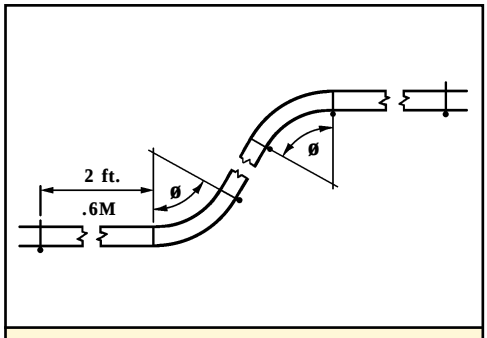
Conductors - The Cable Tray system installation shall be completed prior to pulling conductors. Cable support distances for conductor size should be referenced in CEC Part 1, Table 21. Single conductor cables placed one diameter or more apart in ventilated or ladder type tray are allowed to use the free air rating per the CEC. Any conductor in vertical runs of cable tray and all single conductor cables must be fastened to the rungs with nylon cable ties or stainless steel clamps. Carbon steel cable clamps should not be used due to induction heating, per CEC section 12-2204 (5).

Covers - Vertical cable trays which penetrate dry floors must be covered for 2m (two meter) above the floor level. All cable tray dead ends must be closed with blind ends per CEC sec 12-2202(6).

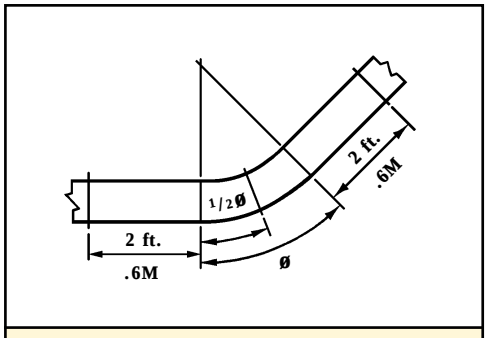
Handling - Cable tray is shipped without exterior crating, therefore careful material handling practices should be used. Cable tray straight sections should be lifted with wide slings and an overhead crane. If a crane is not available and a fork lift is to be used, only single bundles should be lifted. Ensure that each bundle is properly centered. Cable tray fittings that are not crated should be unbanded and off-loaded by hand.

Storage - All cable tray materials are subject to storage stain (white rust) if improperly stored. If cable tray is stored as shipped, it must be stored indoors. If the cable tray material must be stored outside, it must be unbanded and loosely stacked on an angle to minimize the components' contact area as well as provide for adequate drainage.

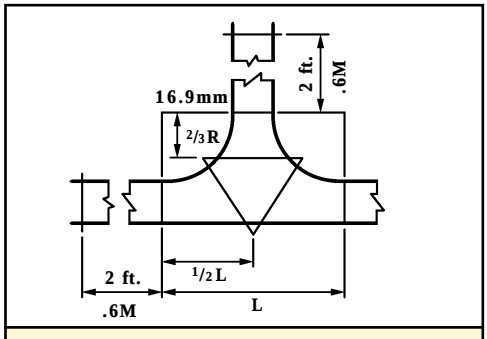
NEMA RECOMMENDED SUPPORT LOCATIONS FOR FITTINGS



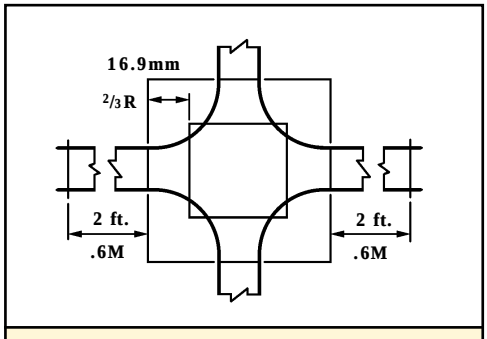
Vertical Elbows



Horizontal Elbows



Horizontal Tee



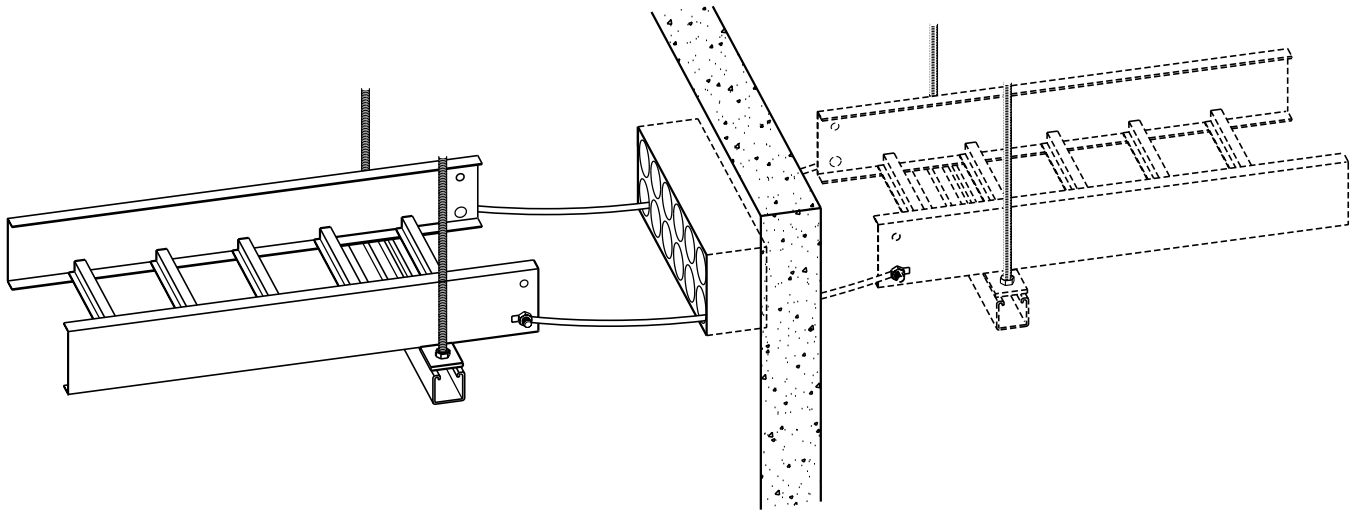
Horizontal Cross

Fire Wall Penetration

Recommended Firewall Penetration Method

Advantages

- No added forces on firewall.
- Electrical continuity of particular system maintained.
- Allows safe future expansion.
- Readily available material.



- Terminate and support cable tray before reaching fire wall.
- Support cable tray independently of fire wall.
    - No extra forces exerted on firewall during disaster.
- Connect cable tray sections with grounding conductors sized appropriately per code.
    - Maintain electrical continuity of the particular system.
- Cut wall opening 20% to 30% larger than cable tray fill area.
- Fill wall penetration area with rigid penetration sleeves.
    - Size sleeves per cable requirements.
- Pack open areas between sleeves with appropriate fire stop materials.
- After cable installation, pack empty sleeves and space around cables with approved fire stop material.
    - Empty sleeves are available to safely open for future cable runs.

Support Channels & Channel Nuts

Channel Sizes & Hole Patterns Selection Chart

Channel Type	Channel Dimensions Height	Channel Dimensions Width	Material & Thickness 1 Steel	2 Aluminum	3 Stainless Steel Type 304	4 Stainless Steel Type 316	Channel Hole Patterns ** SH	S	H17/8	TH
B11	3 1/4"	1 5/8"	12 Ga.	--	--	--	1	1	1	--
B12	2 7/16"	1 5/8"	12 Ga.	.105	--	--	1,2	1	1,2	--
B22	1 5/8"	1 5/8"	12 Ga.	.105	12 Ga.	12 Ga.	1,2,3,4	1	1,2,3,4	1
B24	1 5/8"	1 5/8"	14 Ga.	.080	14 Ga.	14 Ga.	1,2,3,4	1	1,2,3,4	--
B32	1 3/8"	1 5/8"	12 Ga.	--	12 Ga.	--	1,3	1	1,3	--
B42	1 "	1 5/8"	12 Ga.	--	12 Ga.	--	1,3	1	1,3	--
B52	13/16"	1 5/8"	12 Ga.	--	12 Ga.	--	1,3	1	1,3	--
B54	13/16"	1 5/8"	14 Ga.	.080	14 Ga.	14 Ga.	1,2,3,4	1	1,2,3,4	--

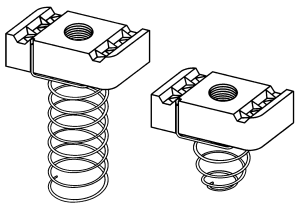
Available Finishes on Steel: Plain (Oil Coated), Dura-Green Epoxy, Pre-Galvanized, and Hot Dip Galvanized are standard.
PVC (Polyvinyl Chloride) and miscellaneous paints are special.

Special Finishes on Aluminum and Plain Steel: PVC (Polyvinyl Chloride).

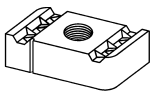
** 1 - Steel
2 - Aluminum
3 - Type 304 Stainless Steel
4 - Type 316 Stainless Steel

Channel Nuts

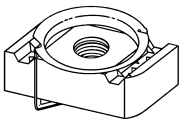
With Spring B11 B12	With Spring B22 B24 B32	With Spring B42 B52 B54	Without Spring B11 B22 B12 B24 B32	Without Spring B42 B52 B54	Twirl Nut B11 B22 B12 B24 B32	Twirl Nut B42 B52 B54	FN228 E-Z Twirl FN228	Thread Size	Thickness
N728	**N228**	**N528**	**N228WO**	**N228WO**	**TN228**	**TN228**	3/8"	3/8"-16	3/8" for all nuts
N725	**N225**	**N525**	**N225WO**	**N525WO**	**TN225**	**TN525**		1/2"-13	1/2" for N725,N225,N225WO,TN225 3/8" for N525,N525WO,TN525
N755	**N255**	**N555**	**N255WO**	**N555WO**	--	--		5/8"-11	1/2" for N755,N255,N255WO 3/8" for N555,N555WO



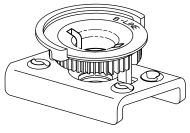
Channel Nut With Spring



Channel Nut Without Spring



Twirl Nut



FN228

For other channels, channel nuts, and fittings see B-Line Strut Systems Catalog.

Continuous Concrete Insert

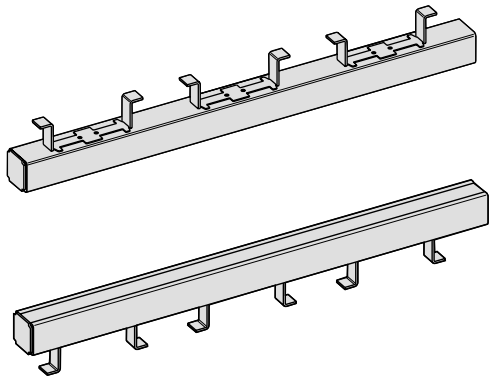
Catalog Number for 120" (10 ft.)	Catalog Number for 240" (20 ft.)	Channel Size	Channel Depth	Maximum Load
B22I-120	**B22I-240**	B22	1 5/8"	2000 lbs./ft.
B32I-120	**B32I-240**	B32	1 3/8"	2000 lbs./ft.
B52I-120	**B52I-240**	B52	13/16"	1500 lbs./ft.

Safety factor of 3 on loading.

Other lengths available upon request.

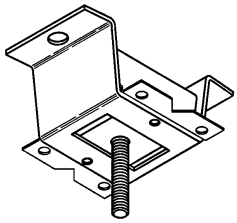
Furnished with end caps and styrofoam filler installed.

Standard finishes:
- Plain (Oil Coated)
- Dura Green Epoxy
- Pre-Galvanized
- Hot Dip Galvanized

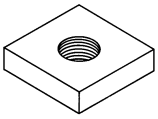


B2500 Spot Insert & N2500 Insert Nut

Standard Finish: Zinc Plated



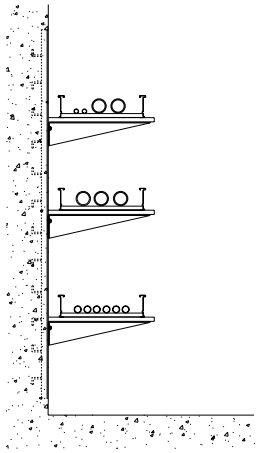
B2500 Insert



N2500 Insert Nut
Insert rod size behind part number.

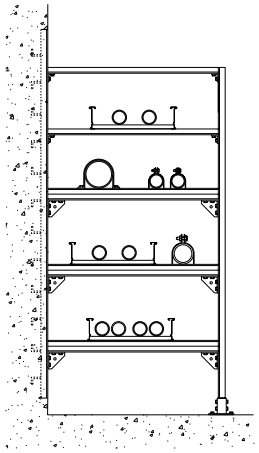
Square Nuts for Spot Inserts

Concrete Insert Applications

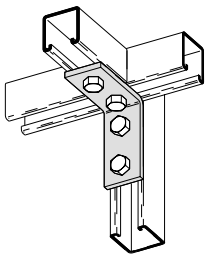


Continuous inserts used vertically are ideal mounting bases for cable tray brackets.

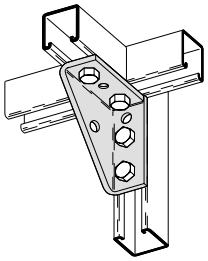
For multi-tiered tray assemblies, inserts function as the anchors for each stanchion.



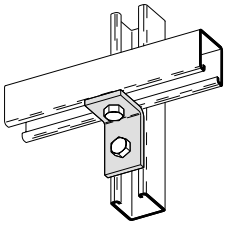
Angle Fittings



B104



B844



B101

Index

Cable Tray Straight Section

Prefix
Example: **148** ***** **12** - **24** - **144**
① ② ③ ④ ⑤

① Series
② Material
③ Rung Spacing
④ Width
⑤ Length

Prefix	Page
14A	48
148*	56
156*	57
166*	58
176*	59
24A	78
24A**	78
248*	98
25A	80
25A**	80
258*	100
26A	82
26A**	82
268*	102
34A	78
34A**	78
346*	98
348SS†	118
35A	80
35A**	80
356*	100
358SS†	119
36A	82
36A**	82
366*	102
368*	102
368SS†	120
37A	84
37A**	84
378*	104
444*	98
454*	100
46A	82
46A**	82
464*	102
464SS†	120
47A	84
47A**	84
476*	104
57A	A-3
574*	104
H46A	82
H46A**	82
M14A	48
M24A	78
M24A**	78
M46A	82
M46A**	82
S8A	A-3

* Insert G, P, SPVC
** Insert PVC
† Insert 4 or 6

Channel Cable Tray Straight Section

Prefix
Example: **A** **CC** - **06** - **144**
① ② ③ ④

① Material
② Series
③ Width
④ Length

Prefix	Page
ACC	34
ACCN	34
APVCCC	34
APVCCCN	34
GCC	34
GCCN	34
PCC	34
PCCN	34
SPVCCC	34
SPVCCCN	34
SS†CC	34
SS†CCN	34

† Insert 4 or 6

Covers

Prefix
Example: **801** ***** **20** - **24** - **144**
① ② ③ ④ ⑤

① Series
② Material
③ Thickness
④ Width
⑤ Length or Fitting Type

Prefix	Page(s)
801*	66
801A	54
802*	115
802SS†	126
803*	115
803SS†	126
804*	115
804SS†	126
805*	115
805SS†	126
806A	95
807A	95
808*	37
808SS†	37
809*	66
809A	54
811*	66
811A	54
812*	115
812SS†	126
813*	115
813SS†	126
814*	115
814SS†	126
815*	115
815SS†	126
816A	95
817A	95
819*	66
819A	54
822*	115
822SS†	126
823*	115
823SS†	126
827A	95
832*	115,A-4
832SS†	126,A-4
833*	115,A-4
833SS†	126,A-4
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837A	95,A-4
837SS†	A-4

* Insert A, G, P, APVC, SPVC, SS4 or SS6
† Insert 4 or 6

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Cable Tray Fittings

Prefix
Example: **4 * x - 24 - 90 HB 24**
① ② ③ ④ ⑤ ⑥ ⑦

① Series/Height
② Material
③ Bottom
④ Width
⑤ Angle
⑥ Type (HB, VI, VO)
⑦ Radius

Prefix	Type	Page(s)
14*	-HB	68,69
14*	-HT	68,70
14*	-HX	68,70
14*	-LR	71
14*	-SR	71
14*	-RR	71
14*	-VI	68,72 thru 75
14*	-VO	68,72 thru 75
14*	-VBS	76
15*	-HB	68,69
15*	-HT	68,70
15*	-HX	68,70
15*	-LR	71
15*	-SR	71
15*	-RR	71
15*	-VI	68,72 thru 75
15*	-VO	68,72 thru 75
15*	-VBS	76
16*	-HB	68,69
16*	-HT	68,70
16*	-HX	68,70
16*	-LR	71
16*	-SR	71
16*	-RR	71
16*	-VI	68,72 thru 75
16*	-VO	68,72 thru 75
16*	-VBS	76
17*	-HB	68,69
17*	-HT	68,70
17*	-HX	68,70
17*	-LR	71
17*	-SR	71
17*	-RR	71
17*	-VI	68,72 thru 75
17*	-VO	68,72 thru 75
17*	-VBS	76
4*	-HB	130,131,132
4*	-HT	130,133,135,136
4*	-HX	130,133,137
4*	-LR	134
4*	-SR	134
4*	-RR	134
4*	-HYL	130,138
4*	-HYR	130,138
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4*	-VO	130,139 thru 142
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4*	-VTU	130,143
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5*	-HX	130,133,137
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5*	-SR	134
5*	-RR	134
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5*	-HYR	130,138
5*	-VI	130,139 thru 142
5*	-VO	130,139 thru 142
5*	-VT	130,143
5*	-VTU	130,143
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6*	-HX	130,133,137
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6*	-SR	134
6*	-RR	134
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6*	-HYR	130,138
6*	-VI	130,139 thru 142
6*	-VO	130,139 thru 142
6*	-VT	130,143
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7*	-HT	130,133,135,136
7*	-HX	130,133,137
7*	-LR	134
7*	-SR	134
7*	-RR	134
7*	-HYL	130,138
7*	-HYR	130,138
7*	-VI	130,139 thru 142
7*	-VO	130,139 thru 142
7*	-VT	130,143
7*	-VTU	130,143
7*	-CSF	130,144

* Insert A, P, G, SS4, SS6, APVC or SPVC
x (blank = ladder) VT, ST, SB

Channel Cable Tray Fittings

Prefix
Example: **G CC - 04 - 45 VI 12**
① ② ③ ④ ⑤ ⑥

① Material
② Series
③ Width
④ Angle
⑤ Type (HB, VI, VO)
⑥ Radius

Prefix	Type	Page(s)
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APVCCC	-VO	39,43,44
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APVCCCN	-HX	39,42
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APVCCCN	-VO	39,43,44
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GCC	-HC	38
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SPVCCCN	-HT	39,42
SPVCCCN	-HX	39,42
SPVCCCN	-VI	39,45,46
SPVCCCN	-VO	39,43,44
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SS†CC	-HT	39,42
SS†CC	-HX	39,42
SS†CC	-VI	39,45,46
SS†CC	-VO	39,43,44
SS†CCN	-HB	39,40,41
SS†CCN	-HT	39,42
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† Insert 4 or 6

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* Insert A, P, G, SS4, SS6 or ZN

† Insert 4 or 6

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* Insert A, P, G, SS4, SS6 or ZN

† Insert 4 or 6

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* Insert A, P, G, SS4, SS6 or ZN

† Insert 4 or 6

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* Insert A, P, G, SS4, SS6 or ZN

† Insert 4 or 6

Notes

Other B-Line Systems

For more information on the B-Line family of products please fax back this completed form to 618-654-1917.

Name:_____

Address:_____

City:_____ State: _____ Zip: _____

Company:_____

Phone: _____

Job Description
(check all that apply)

- ❑ Supervisor/ Project Manager
- ❑ Technician/ Installer/ User
- ❑ Purchasing/ Sales
- ❑ Management
- ❑ Engineer/ Specifier
- ❑ Electrical Inspector
- ❑ Other _____

Industry Type
(check all that apply)

- ❑ Electrical Contractor
- ❑ Mechanical Contractor (Hgt./AC)
- ❑ Acoustical Contractor (Walls/ Ceilings)
- ❑ Telecom/ Data Installer
- ❑ Distribution/ Supplier
- ❑ Manufacturing Facility
- ❑ Government (Including Military)
- ❑ Inspection/ Testing Facility
- ❑ Design Firm
- ❑ Other:_____

Please send me the following information:

❑ Cent-R-Rail
(CR-95)

B-Line's Cent-R-Rail is a support system designed for low voltage cables. This center supported cable tray is an open system which allows cables to enter and exit at any location, eliminating the need for cable pulling.

❑ Fiberglass Cable Tray
(CT93FRP)

B-Line's fiberglass cable trays are used in corrosive atmospheres and where non-conductive material is preferred.

❑ TrayCAD 3.0
(TCAD)

B-Line's TrayCAD is a software program developed to assist engineers in the layout and specification of cable tray systems. (Available in Autocad® and Intergraph® formats.)

❑ Cable Tray Manual
(CTMAN99)

An in-depth technical text that provides a practical explanation of cable tray as it pertains to Article 318 of the 1996 National Electrical Code®.

❑ Seismic Restraints
(SRS-1R)

B-Line's seismic restraint brochure provides bracing details based on the California Code of Regulations for hospitals and essential facilities in seismic zone 4. This pre-approved system is designed to resist seismic forces in any direction while minimizing installation time and providing superior performance.

❑ Strut
(BL2R)

B-Line's strut system contains a variety of channels and fittings which can be used to assemble supports such as racks, trapeze hangers and raceways. The bolt-together design eliminates the need for welding or drilling.

❑ Fiberglass Strut
(BF93BRFRP)

B-Line's fiberglass strut systems are used in corrosive atmospheres or where non-conductive material is required.

❑ Fasteners
(BLF-98)

B-Line's spring steel fasteners are labor saving devices which support electrical equipment from beams, purlins, drop wires, wood or metal studs, drywall and acoustical tees.

❑ Wire Basket Runway
(WB98)

An economical cable support system offering unmatched field adaptability. The ideal system for at site, design and build projects. Fittings are field fabricated eliminating any field ordering delay.

❑ Electrical Enclosures
(ENC-2R)

B-Line's Circle AW brand of Electrical Enclosures is one of the most extensive product lines of commercial and industrial enclosures available. Circle AW has been manufacturing a broad range of high quality enclosures for nearly 50 years.

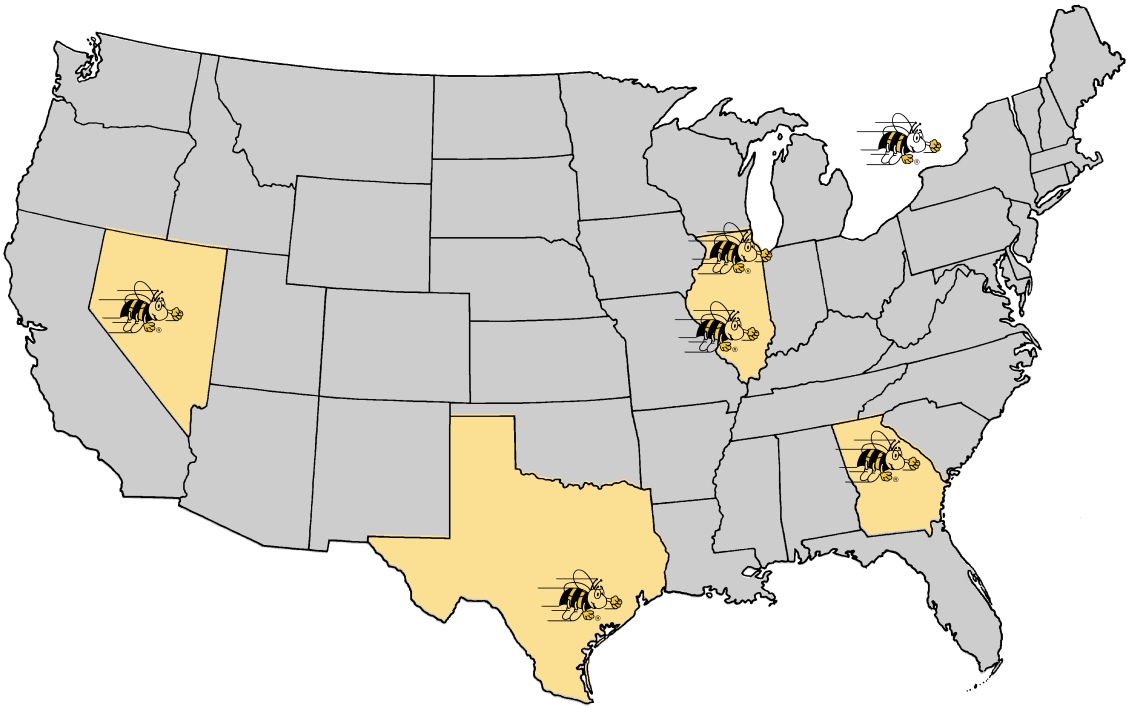
❑ Electronic Enclosures
(BLE2-98)

B-Line's E^2 line of electronic cabinets and accessories provide protection and security for electronic and computer equipment in clean room environments. The full line of products includes both standard and customized vertical cabinets, standard and customized wide body cabinets, LAN consoles, Wall Mount cabinets and a complete line of accessories.

❑ Telecom
(BLT-98)

B-Line Telecom manufactures a complete line of cable and equipment support products for the telecommunication industry. Products include Saunders™ Relay Racks & Runway, Unequal Flange Racks, Network Bays and various accessories.

B-Line Systems, Inc. 509 W. Monroe Highland, Illinois 62249 Phone: 618-654-2184 Fax: 618-654-1917



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509 West Monroe St.
P.O. Box 326
Highland, Illinois 62249-0326
Phone: 618-654-2184
Fax: 618-654-1917
Home Office

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Norcross, Georgia 30092-3604
Phone: 770-447-9303
Fax: 770-441-3304

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Fax: 903-813-1747

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CABLE TRAY X 1.05
ADD .124 PER FOOT
FOR WARNING LABELS
ATN: JACK

COOPER B-LINE
FAX#:

EDWARDS Sq.

TO ASSOCIATED PRODUCTS
ATTN: JOE

QUOTE NO. CG000787 DHX
DATE 8/30/01
JOB NO: CONVENTION FAC. I

TERMS STANDARD TERMS
F.O.B. SHIPPING POINT
FREIGHT ALLOW
SHIP SCHED SHIP 1ST T/L 20-2
WORKING DAYS. AI
AGENT ASSOC. PRODUCTS (
R.M. RON ERVIN

PROJECT NAME SPALLATION NEUTRON SOURCE
LOCATION OAK RIDGE TN

CONTRACTOR
LOCATION

ITM	QTY	UM	PART NO/DESC	WEIGHT	UNIT PRICE	EXT PRICE
1		EA	QUOTE QUOTE PART CABLE TRAY 6 INCH			
2	136	PC	78101150467 156GSB-06-144 ST SC	45.3	46.51	6326.64
3	325	PC	78101127088 9G-1104T-6 TRGH DROPOUT	.7	2.35	764.74
4	120	PC	78101143072 811G18-06-72 V/C	6.3	8.36	1003.96
5	152	PC	78101143072 811G18-06-72 V/C	6.3	8.36	1271.69
6		EA	QUOTE QUOTE PART CABLE TRAY 12" WIDE			
7	2121	PC	78101150536 156GSB-12-144 ST SC	60.3	58.63	124374.37
8	210	PC	78101143076 811G18-12-72 V/C	12.1	12.88	2706.00
9	16	PC	78101143278 801G18-12-90HB24 S/C	9.8	15.53	248.60
10	2498	PC	78101127090 9G-1104T-12 TRGH DROPOUT	1.7	3.39	8490.32
11	1878	PC	78101143076 811G18-12-72 V/C	12.1	12.88	24199.43
12	10	PC	78205116663 887A40-12-144 REDI-RAIL	8.2	20.28	202.81
13	5	PC	78101150544 15GSB-12-90HB24 HRZ BND	22.6	29.73	148.65
14	67	PC	78101150544 15GSB-12-90HB24 HRZ BND	22.6	29.73	1991.95
15	36	PC	9391627 15GSB-12-HT24 HRZ T	43.5	69.65	2507.67

16	10	PC	78101194926	20.7	55.83	558.38
			H15AR06-12-144 REDI-RAIL			
17	12	PC	78205111505	.8	3.54	42.57
			9A-R104-12 DROP OUT			
18	24	PC	78101131069	4.8	6.72	161.35
			9ZN-5112WB WALL BRKT			
19		EA	QUOTE			
			QUOTE PART			
	CABLE TRAY					
	18 INCH					
20	308	PC	78101150563	74.9	72.08	22202.33
			156GSB-18-144 ST SC			
21	624	PC	78101127091	2.8	4.10	2563.70
			9G-1104T-18 TRGH DROPOUT			
22	479	PC	78101143078	17.9	18.15	8694.85
			811G18-18-72 V/C			
23	10	PC	78101196036	12.0	28.12	281.24
			887A40-18-144 REDI-RAIL			
24	10	PC	78101150571	30.1	34.36	343.62
			15GSB-18-90HB24 HRZ BND			
25	6	PC	78101143279	15.6	21.73	130.42
			801G18-18-90HB24 S/C			
26	32	PC	78101150571	30.1	34.36	1099.58
			15GSB-18-90HB24 HRZ BND			
27	10	PC	78101194927	23.1	62.07	620.75
			H15AR06-18-144 REDI-RAIL			
28	12	PC	78205111506	1.3	4.20	50.42
			9A-R104-18 DROP OUT			
29	24	PC	78101131070	6.8	9.59	230.37
			9ZN-5118WB WALL BRKT			
30	72	PR	78101195807	.4	1.49	107.56
			9A-R005 SPLICE PLT			
	SEE NOTES BELOW ABOUT SPLICE PLATES.					
31		EA	QUOTE			
			QUOTE PART			
	24 INCH					
32	1863	PC	78101150592	90.8	87.92	163798.49
			156GSB-24-144 ST SC			
33	10	PC	78101196085	12.0	37.16	371.63
			887A40-24-144 REDI-RAIL			
34	30	PC	78101150599	39.2	40.63	1219.10
			15GSB-24-90HB24 HRZ BND			
35	2	PC	9391827	64.5	86.27	172.55
			15GSB-24-HT24 HRZ T			
36	3382	PC	78101143080	7.8	23.90	80843.32
			811G18-24-72 V/C			
37	5489	PC	78101127092	3.8	5.07	27881.92
			9G-1104T-24 TRGH DROPOUT			
38	24	PC	78101143280	22.1	30.88	741.32

SEP.10.2001 2:39PM HSSOC.PRODUCTS MFHS NO.337 P.2/3

			801G18-24-90HB24 S/C			
39	5	PC	78101144464	49.2	47.73	238.66
			801G18-24-HT24 S/C			
40	12	EA	QUOTE		24.12	289.53
			QUOTE PART			
41	10	PC	78101194928	25.6	68.20	682.01
			H15AR06-24-144 REDI-RAIL			
42	12	PC	78205111507	1.8	4.66	56.02
			9A-R104-24 DROP OUT			
43	24	PC	78101131071	7.5	10.75	258.16
			9ZN-5124WB WALL BRKT			
44		EA	QUOTE			
			QUOTE PART			
	CABLE TRAY					
	36 INCH					
45	16	PC	78101150947	83.4	73.76	1180.26
			156G04-36-144 ST SC			
46	1	PC	78101150872	40.6	93.59	93.59
			15G-36-HT24 HRZ T			
47	2	PC	78101127094	5.9	6.72	13.44
			9G-1104T-36 TRGH DROPOUT			
48		PR	78101129056	1.5	2.91	
			9G-4005 'L' SPLICE PLT			
49	32	PC	78101129836	.1	.48	15.53
			99-2125-15 NYLN CBLE TIE			
50	30	CPC	78101157743	10.9	1788.79	536.63
			B494-36 ZN CABL TRAY BRKT			
51		EA	QUOTE			
			QUOTE PART			
	DIVIDER STRIP					
52	1652	PC	78101132657	8.7	7.43	12278.73
			737G-144 BARR STRP			
53	7	PC	78101141464	9.0	10.57	73.99
			737G-90VI24 BARR STRP			
54		EA	QUOTE			
			QUOTE PART			
	HANGER & SUPPORTS					
60		CFT	78101121330	1.8	78.00	
			B22SH-120 GLV			
61		PC	78101104658	.5	2.68	
			ATR, 1/2X12 ZN			
62		EA	QUOTE			
			QUOTE PART			
	WIREWAY					
	NO QUOTE HAVE NO EQUAL					
			TOTAL WEIGHT	440612.2	TOTAL PRICE	502068.85

THE PRECEDING QUOTATION IS BASED ON A BILL OF MATERIAL
PROVIDED BY DEPARTMENT OF ENERGY FOR THE SPALLATION NEUTRON

SOURCE CONVENTIONAL FACILITIES PROJECT IN OAK RIDGE, TN.
THE ABOVE QUOTATION IS COOPER B-LINE'S BEST INTERPRETATION OF THE BILL OF MATERIAL PROVIDED. PLEASE VERIFY ALL PART NUMBERS AND QUANTITIES PRIOR TO QUOTING.
MATERIAL ON THIS INQUIRY IS NOT SUBJECT TO CANCELLATION OR RETURN FOR CREDIT AT A LATER DATE ONCE FABRICATION BEGINS.
WE ARE QUOTING OUR SERIES 156GSB, 4.188 INCH DEEP, HOT-DIP GALVANIZED AFTER FABRICATION CABLE TRAY WITH A 3.628 INCH LOADING DEPTH AND A SOLID BOTTOM.
THIS CABLE TRAY IS DESIGNED TO SUPPORT A LOAD OF 76 LBS/FT ON A 12 FOOT SUPPORT SPAN WITH A DEFLECTION OF 0.836 INCHES AND A SAFETY FACTOR OF 1.5.
STEEL SOLID BOTTOM TYPE TRAYS ARE WELDED ASSEMBLIES MADE FROM OUR C-SHAPED SIDE RAILS AND SOLID BOTTOM.
WE ARE ALSO QUOTING OUR SERIES 156G, 4.188 INCH DEEP, HOT-DIPPED GALVANIZED AFTER FABRICATION LADDER TYPE CABLE TRAY WITH A 3.628 INCH LOADING DEPTH AND A 9 INCH RUNG SPACING ON STRAIGHT SECTIONS.
THIS CABLE TRAY IS DESIGNED TO SUPPORT A LOAD OF 76 LBS/FT ON A 12 FOOT SIMPLE SPAN WITH A DEFLECTION OF 0.836 INCHES AND A SAFETY FACTOR OF 1.5.
THE FOLLOWING DATA COMPARES THE LOAD CAPACITY OF COOPER B-LINE'S PROPOSED TRAY WITH THE LOAD REQUIREMENTS OF THE SPECIFICATION:

	LOAD	DEFLECTION	SPAN	SAFETY FACTOR
SPEC. REQUIREMENT	75#	-----	12'	1.5
B-LINE PROPOSAL	76#	0.836"	12'	1.5

STEEL LADDER TYPE TRAYS ARE WELDED ASSEMBLIES MADE FROM OUR C-SHAPED SIDERAILS AND STRUCTURAL CROSS RUNGS.
HOT-DIP GALVANIZED STEEL TRAYS WILL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH A.S.T.M. SPECIFICATION A123-84 (WAS 386) WHICH PROVIDES A ZINC COATING OF 2.6 MILS.
TRAY HARDWARE WILL BE CHROMIUM ZINC PLATED PER ASTM F-1136-88 (GRADE 3).
WE ARE ALSO QUOTING OUR SERIES H15AR, 5.84 INCH DEEP, ALUMINUM LADDER TYPE CABLE TRAY WITH A 4 INCH LOADING DEPTH AND A 9 INCH RUNG SPACING ON STRAIGHT SECTIONS.
THIS CABLE TRAY IS DESIGNED TO SUPPORT A LOAD OF 102 LBS/FT ON A 12 FOOT SIMPLE SPAN WITH A DEFLECTION OF 1.5198 INCHES AND A SAFETY FACTOR OF 1.5.
THE FOLLOWING DATA COMPARES THE LOAD CAPACITY OF COOPER B-LINE'S PROPOSED TRAY WITH THE LOAD REQUIREMENTS OF THE SPECIFICATION:

	LOAD	DEFLECTION	SPAN	SAFETY FACTOR
SPEC REQUIREMENT	75#	------	12'	1.5
B-LINE PROPOSAL	114#	1.5198"	12'	1.5

OUR EXCLUSIVE ALUMINUM LADDER TYPE STRAIGHT SECTIONS AND

FITTINGS ARE MECHANICALLY ASSEMBLED FROM MODIFIED EXTRUDED I-BEAM SIDE RAILS AND STRUCTURAL CROSS RUNGS.
ALUMINUM SIDE RAILS, RUNGS AND SPLICE PLATES WILL BE EXTRUDED FROM ALUMINUM ASSOCIATION ALLOY 6063.
STRAIGHT SECTIONS WILL BE FURNISHED IN STANDARD 12 FOOT LENGTHS.
SPLICE PLATES WITH HARDWARE ARE FURNISHED WITH EACH STRAIGHT SECTION AND FITTING. QUANTITIES ARE AS FOLLOWS: 1 PAIR WITH EACH STRAIGHT SECTION, HORIZONTAL BEND, VERTICAL BEND AND REDUCER; 2 PAIR WITH EACH HORIZONTAL WYE, HORIZONTAL TEE AND VERTICAL TEE; 3 PAIR WITH EACH HORIZONTAL CROSS AND VERTICAL CROSS. EXTRA SPLICE PLATES FOR FIELD CUT LENGTHS MUST BE ORDERED SEPARATELY.
TRAY HARDWARE WILL BE ZINC PLATED ACCORDING TO A.S.T.M. SPECIFICATION B633 SC1.
ADD-ONS TO AN ORDER WILL BE SUBJECT TO REPRICING.
STATED LEAD TIMES MAY CHANGE BETWEEN THE TIME A JOB IS QUOTED AND THE TIME THE ORDER IS PLACED, DUE TO MARKET CONDITIONS.
THE TERMS AND CONDITIONS OF THIS QUOTATION ARE VALID FOR ACCEPTANCE THROUGH 9/29/01.

BRADY

Brady Worldwide, Inc.
P.O. Box 2999
Milwaukee, WI 53201-2999

Quotation

Q#. 20043950

Quotation Number	Quotation Date	Customer Reference Number	Valid from:	Valid to:	Payment Terms	Currency
20043950	09/07/2001	ROBERT POWERS	09/07/2001	12/06/2001	1% 10 Net30	USD

Sold to Account#: 91061

To: Robert

2 pgs.

EDWARDS SUPPLY CO
PO Box 4758
OAK RIDGE TN 37831-4758
Attn: ROBERT POWERS

Phone#: 865-483-1766
FAX#: 865-483-3662

Shipto:

Please Reference Quote and Line Number When Placing Order.
Thank you for the opportunity to quote per your requirements.

LINE#	BRADY INTERNAL PART NUMBER / DESCRIPTION / CUSTOMER PART NUMBER	QUANTITY	U/M	LIST PRICE	DISCOUNT	NET PRICE PER U/M
0010	YB1035 Custom SMD Safety Sign and Labels Your Part No.: PRICE per 1 EA	6.000	EA	2.28	48.00 %	1.18 1.44 1.12

YOUR CUSTOM PART WILL BE MANUFACTURED PER:

Std lead time for th	3 workdays	Background Color	YELLOW
Sign Style	Self-Sticking Sign	Select Pictogram	No Pictogram Required
Sign Material	B-302 Self-Sticking Polyester	Customer Art Require	No
Sign Size	Other	Legend for line 1	WARNING NOT TO BE USED AS
Sign Height	3.440 "	Legend for line 2	WALKWAY, (ETC...PER PROOF
Sign Width	28.000 "	Legend for line 3	01-070767 with one change!!!)
Headers	NO Header	Legend Layout	BRADY TO ARRANGE
Print Color 1	BLACK		

1.18
X1.22
1.44 EA
OR .12¢ PER FOOT OF TRAY

For questions or to place an order, please e-mail our Customer Service Dept. at cssignmark@bradycorp.com, call us toll free at 1-800-635-7557 (outside the US, call us at 414-540-5560) or fax us at 1-800-445-7446 (outside the US, fax us at 414-540-5562). If you are a registered distributor, you can place your stock order and find order status and other customer service information on our website at www.bradyserve.com.

ELECTRICAL ENCLOSURES

B-Line®

SYSTEMS THAT MAKE SENSE

COOPER B-Line

INTRODUCTION

In 1993, B-Line Systems Inc. acquired Circle AW, a precision electrical enclosure manufacturer located in Portland, Oregon and Modesto, California. B-Line's ongoing commitment to supplying only the highest quality products available, coupled with Circle AW's exacting standards, provide a winning combination in electrical enclosures. Our commitment is evident by the opening of a 250,000 square feet manufacturing facility located in Sherman, Texas. Our fabrication and finishing equipment is purely state-of-the-art, and continual upgrades are on the drawing board.

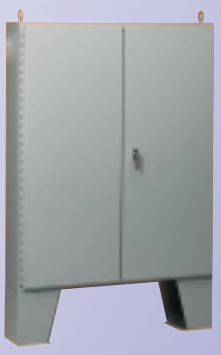
For over 50 years Circle AW has forged a reputation for excellence, building a comprehensive line of commercial and industrial enclosures for the electrical and electronic markets.

You'll find a complete line-up of enclosures available in fiberglass, aluminum, steel, galvanized steel, plus Type 304 and Type 316L stainless steel.

Premier Series Enclosures

This catalog represents our expanded industrial product line – the addition of our new Premier Series enclosures, non-metallic enclosures and Type 316L stainless steel enclosures. In addition, B-Line offers one of the widest selections of commercial enclosures available anywhere.

Our customers in the residential, industrial, commercial, utility and OEM markets depend on us for a broad range of quality products, superior customer service, on time delivery, and solutions for any enclosure application.



Close collaboration between our sales, engineering and manufacturing departments ensure B-Line enclosures are built to meet or exceed the most stringent industry standards.

As a member of NEMA, we are active in establishing and reviewing the standards all manufacturers must observe.

B-Line has regional offices and warehouses throughout the U.S. to provide convenient reliable service and expedited delivery.

We look forward to serving you.

© 2000 Cooper B-Line

Type 1 Commercial Enclosures

Free Standing
Industrial Enclosures

Non-Metallic
Enclosures

Type 3/3R Commercial Enclosures

COOPER B-Line

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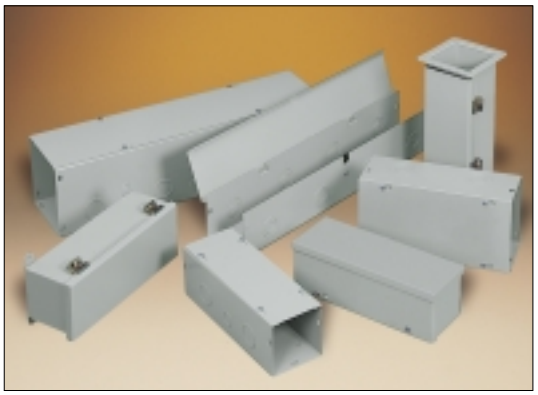

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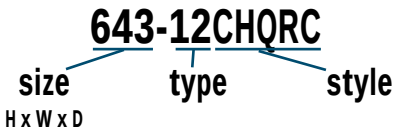
Catalog Numbering Legend

B-Line's catalog numbering system for industrial and commercial enclosures and wireway is a logical easy-to-use system. It was developed to easily order or find a B-Line catalog number. Referenced in each catalog number is the size, type designation and style.

Industrial Enclosures



Enclosure Size
Listed left of dash (-)

Enclosure Type
Immediately follows dash (-)

1 = Type 1	4XA = Type 4X Aluminum
4 = Type 4	4XS = Type 4X Type 304 SS
4X = Type 4X	4XSS6 = Type 4X Type 316L SS
12 = Type 12	4XF = Type 4X Fiberglass
	12F = Type 12 Fiberglass

Enclosure Style
Immediately follows Type designation

CHC	Continuous Hinge Cover
CHSC	Continuous Hinge Screw Cover
LC	Lift-Off Cover
CHQRC	Continuous Hinge Quick-Release Cover
SC	Screw Cover
TE	Terminal Enclosure
D	Double-Door
DA	Dual-Access
FD	Floor-Standing, Double-Door
FS	Free-Standing
FTC	Flange Trough Collar
FSD	Free-Standing, Double-Door
FSDA	Free-Standing, Dual-Access
FSDDA	Free-Standing, Double-Door, Dual-Access
M (as a prefix)	Modular
FD(as a prefix)	Flange Mounted Disconnect Enclosure
CD(as a prefix)	Center Mounted Disconnect Enclosure

Fiberglass Enclosure Style
Immediately follows Type designation

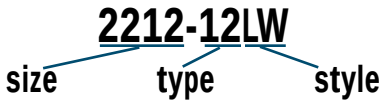
TSC	Series 1 Transparent Screw Cover
OSC	Series 1 Opaque Screw Cover
THC	Series 1 Transparent Hinge Cover
OHC	Series 1 Opaque Hinge Cover
PB1	Series 1 Pushbutton 1 Hole
PB25	Series 1 Pushbutton 25 Holes
OSCD	Series 1 Opaque Screw Cover w/Door
PT	Series 2 Single-Door
PTW	Series 2 Single-Door with Window

Premier Enclosure Style
Immediately follows Type designation

SD	Single-Door
SDW	Single-Door with Window
SDSS4	Single-Door Type 304 SS
SDSS6	Single-Door Type 316L SS
SDWSS4	Single-Door with Window Type 304 SS
TD	Two-Door
FM	Flush-Mount

CATALOG NUMBERING LEGEND

Industrial Wireway



Wireway Size — Listed left of dash (-)

Wireway Type — Immediately follows dash (-)

12 = NEMA 12

4X = NEMA 4X
4XS = NEMA 4X Type 304 Stainless Steel

Wireway Styles — Immediately follows Type designation

LW = NEMA 12 Lay-In Wireway
FW = NEMA 12 Feed-Through Wireway
WT = NEMA 12 Wiring Trough

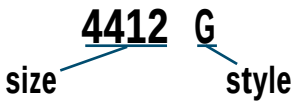
Lay-In Wireway Fittings

LTSC	Transposition, Clockwise
LTSCC	Transposition, Counter Clockwise
LTF	Telescopic Fitting
LCF	Cut-Off Fitting/Lay-in Style
LAHW	Adapter for Hoffman or Wiegmann
LASD	Adapter for Square D
LARR	Adapter for Robroy or Rittal
LAHM	Adapter for Hammond Mfg.
LN1	1” Nipple
LN2	2” Nipple
LN3	3” Nipple
LE9A	90° Elbow, Top Open
LE9B	90° Elbow, Inside Open
LE9C	90° Elbow, Outside Open
LE9AC	90° Elbow, Outside-Top Open
LE9TC	90° Transposition Elbow, CW
LE9TCC	90° Transposition Elbow, CCW
LE45A	45° Elbow, Top Open
LE45B	45° Elbow, Inside Open
LE45C	45° Elbow, Outside Open
LE15A	15° Elbow, Top Open
LTA	Tee, Top Open
LC	Cross, Top Open
LR	Reducer
LSP	Sealing Plate, Flat
LBC	Box Connector
LCP	Closure Plate
LDH	Hanger, Drop
LBH	Hanger, Bracket
LJB	Junction Box
BK	Barrier Kit

Feed-Through Fittings

FFF	Flexible Fitting
FTF	Telescopic Fitting
FCF	Cut-Off Fitting
FN1	1” Nipple
FN2	2” Nipple
FN3	3” Nipple
FN6	6” Nipple
FE9	90° Elbow
FE45	45° Elbow
FT	Tee
FC	Cross
FRC	Reducer Center
FRE	Reducer Edge
FGK	Gasket Kit
FBC	Box Connector
FCP	Closure Plate
DH	Hanger, Drop
BH	Hanger, Bracket
BK	Barrier Kit

Commercial Wireway



Wireway Size — Listed First

Wireway Style — Follows Size designation

Screw Cover Wireway

G = Type 1 Screw Cover Wireway
GGV = Type 1 Screw Cover Wireway Galvanized

Screw Cover Wireway Fittings

L	Elbow
L Sweep	Sweep Elbow
LTX	Elbow-Tee-Cross
T	Wireway Tee
X	Wireway Cross
FTF	Telescopic Fitting
FR	Wireway Reducer
C	Wireway Connector
E	Wireway End
GF	Wireway End Flange
FH	Wireway Hanger

Hinge Cover Wireway

F = Type 1 Hinge Cover Wireway

B-Line SYSTEMS THAT MAKE SENSE ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Commercial Wireway cont.

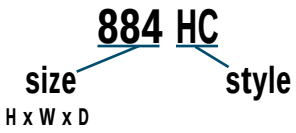
Hinge Cover Wireway Fittings

FL	90° Elbow
L	45° Elbow
FT	Wireway Tee
X	Wireway Cross
FTF	Telescopic Fitting
FR	Wireway Reducer
C	Wireway Connector
FE	Wireway End
GF	Wireway End Flange
FH	Wireway Hanger

Type 3R Wireway

GRT = Type 3R Screw Cover Wireway
GRTGV = Type 3R Screw Cover Wireway Galvanized

Commercial Enclosures



Enclosure Size

Listed First

Enclosure Style

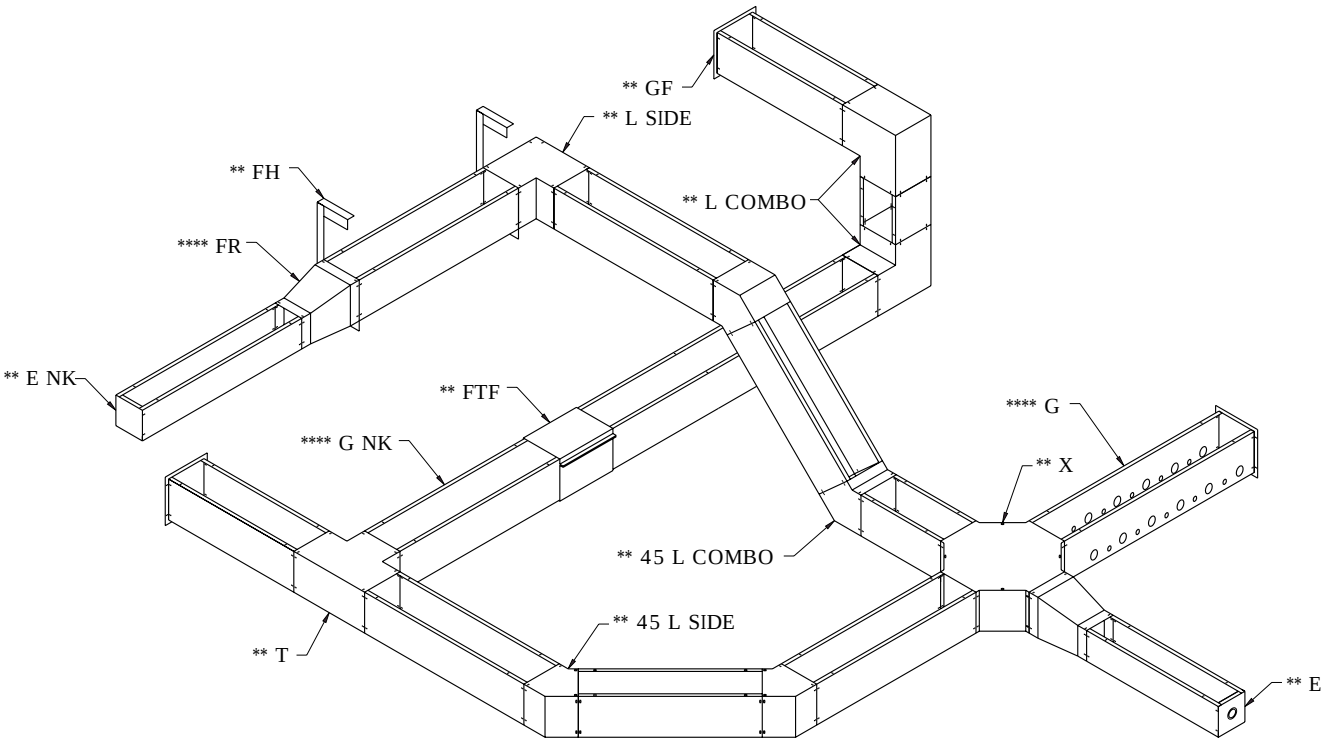
Follows Size designation

SC	Type 1 Screw Cover
SC NK	Type 1 Screw Cover No Knockouts
SCGV	Type 1 Screw Cover Galvanized
SCGV NK	Type 1 Screw Cover Galvanized No Knockouts
HC	Type 1 Hinge Cover
HC NK	Type 1 Hinge Cover No Knockouts
TCS	Type 1 Telephone Termination Cabinet/Surface
TCF	Type 1 Telephone Termination Cabinet/Flush
FC	Spare Fuse Cabinet
RTSC	Type 3R Screw Cover
RTSC NK	Type 3R Screw Cover No Knockouts
RTSCGV	Type 3R Screw Cover Galvanized
RTSCGV NK	Type 3R Screw Cover Galvanized No Knockouts
RHC	Type 3R Hinge Cover
DRHC	Type 3R Double-Door Hinge Cover
RTHC	Type 3R Hinge Cover
RTHC NK	Type 3R Hinge Cover No Knockouts
WPSC	Type 3 Screw Cover
SCG	Type 3 Gasketed Screw Cover
RTC	Type 3R Telephone Termination Cabinet
PBRTC	Type 3R Telephone Termination Cabinet
MBTC	Type 3R Telephone Termination Cabinet
HRTCT	Type 3R Current Transformer Hinge Cover
RTCT	Type 3R Current Transformer Screw Cover

Accessories

P	Panel
SP	Stainless Panel
AP	Aluminum Panel
GP	Galvanized Panel
JICSPK	JIC Swing Panel Kit
NSPK	NEMA Swing Panel Kit
WB	Wood Back Board
PS	Panel Support Kit
PLH	Panel Lifting Hooks
BAP	Blank Adapter Plate
TS	Terminal Strap
TB	Terminal Block
TSK	Terminal Strap Support Kit
ES	Enclosure Stabilizer
LPK	Lower Plate Kits
BP	Baffle Plate
FLT	Filters
FAS	Filter Adhesive Spray
BK	Barrier Kit
PWK	Plexiglass Window Kit
FLWK	Frameless Window Kit
GP	Gland Plates
HWK	Hinged Window Kits
DK	Drop Shield Kit
DSTOPK	Door Stop Kit
FSHELF	Folding Shelf Kit
PCK	Panel Conversion Kit
WMK	Wall Mounting Kit
SP	Swing-Out Panel
DF	Dead Front Panel
MC	Mounting Channels
RMA	Rack Mounting Angles
SF	Swing-Out Rack Frames
WMHNL	Wall-Mount Handle, Non-Locking
WMHK	Wall-Mount Handle, Key Locking
WMHPTO	Wall-Mount Handle, Padlockable
AMK	Adjustable Mounting Kit
PMK	Pole Mounting Kits
IC	Inspection Cover
SP	Sealing Plate
P	Polyester Panel
MP	Metal Panel
SCS	Slotted Cover Screw
QRCS	Quick-Release Cover Screw
EH	External Hinge
MMF	Modular Mounting Frame
KL	Keyed Lock
SL	Standard Latch
APK	Adjustable Panel Kit
AHP	Adjustable Hinge Panel Kit

WIREWAY SELECTION GUIDE



This drawing is for illustration purposes only and depicts how most of B-Line's Type 1 screw cover wireway straight sections and fittings could be used in an actual wireway run. Covers have been omitted in many instances to more clearly show the lay-in feature. Straight sections and fittings can be combined in many different configurations to accommodate any wiring application. The nomenclature depicts Type 1 screw cover wireway in ANSI 61 gray painted steel. In addition, B-Line also offers Type 1 galvanized screw cover wireway, Type 1 hinge cover wireway, Type 3R wireway, NEMA 12 & NEMA 4 feed-through wireway, NEMA 12 lay-in wireway and NEMA 12 wiring trough.

NOMENCLATURE

**** FR	Reducer	** GF	End flange
**** G	Straight section with knockouts	** L COMBO	90° Elbow combo opening
**** G NK	Straight section without knockouts	** L SIDE	90° Elbow side opening
** E	End with knockouts	** 45 L COMBO	45° Elbow combo opening
** ENK	End without knockouts	** 45 L SIDE	45° Elbow side opening
** FH	Hanger	** T	Tee
** FTF	Telescopic fitting	** X	Cross

**** Specify height x depth x length

** Specify height x depth

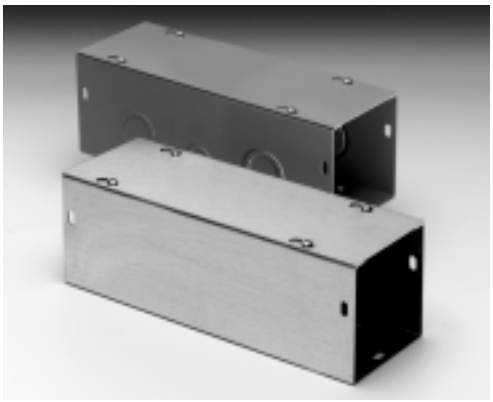
WIREWAY

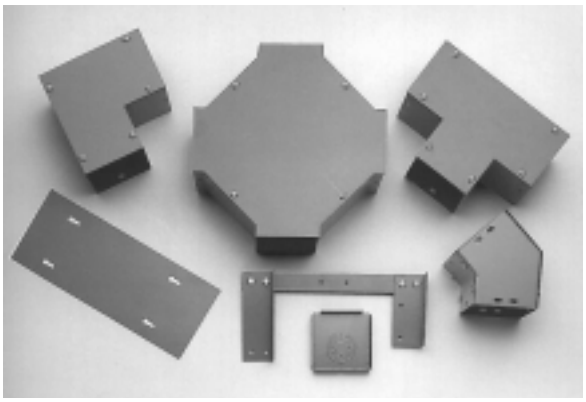
Type 1 Screw Cover Wireway.....12
Type 1 Hinge Cover Wireway.....20
Type 3R Screw Cover Wireway.....26
NEMA 12 Lay-In Wireway.....28
NEMA 12 Feed-Through Wireway.....36
NEMA 12 Lift-Off Cover Wiring Trough....40
NEMA 4X Feed-Through Wireway.....42
NEMA 4X Lift-Off Cover Wiring Trough....46

B-Line® SYSTEMS THAT MAKE SENSE ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 1 Screw Cover Wireway - Painted & Galvanized

Data Sheet





Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 529, IP30

Finish

- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Sealing devices
- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from code gauge steel or galvanized steel, (see table)
- Wireway body has mounting holes on the back
- Wireway is available with or without knockouts on the top and bottom sides
- Wireway fittings have no knockouts, ends are available with or without knockouts
- Cover is secured to the body with plated screws
- Keyhole slots are furnished on the wireway cover which allow easy access to the inside without removing the screws
- Flush and surface wireway covers are available
- Wireway exceeding 72 inches in length has two overlapping covers
- Variety of fittings allow runs which can change direction, junction and terminate
- Standard wireway connectors (sold separately) have a unique gate feature which can swing completely open allowing for continuous runs of wire and cable
- Universal connectors are also available for adapting to other manufacturer's wireway, (see table, page 16)
- Completely interchangeable with Type 1 Hinge Cover Wireway and Fittings

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Screw Cover Wireway - Painted & Galvanized

Catalog Number

Wireway Catalog Number				Wireway Size					Knockout Quantity	
Painted		Galvanized		Height Depth Length A x B x C		D				
KO	No KO	KO	No KO	in.	mm	in.	mm	Gauge	Top	Bottom
2212 G	2212 G NK	2212 GGV	2212 GGV NK	2.50x2.50x12.00	64x64x305	1.25	32	16	3	3
2218 G	2218 G NK	2218 GGV	2218 GGV NK	2.50x2.50x18.00	64x64x457	1.25	32	16	5	5
2224 G	2224 G NK	2224 GGV	2224 GGV NK	2.50x2.50x24.00	64x64x610	1.25	32	16	7	7
2236 G	2236 G NK	2236 GGV	2236 GGV NK	2.50x2.50x36.00	64x64x914	1.25	32	16	11	11
2248 G	2248 G NK	2248 GGV	2248 GGV NK	2.50x2.50x48.00	64x64x1219	1.25	32	16	15	15
2260 G	2260 G NK	2260 GGV	2260 GGV NK	2.50x2.50x60.00	64x64x1524	1.25	32	16	19	19
2272 G	2272 G NK	2272 GGV	2272 GGV NK	2.50x2.50x72.00	64x64x1829	1.25	32	16	23	23
22120 G	22120 G NK	22120 GGV	22120 GGV NK	2.50x2.50x120.00	64x64x3048	1.25	32	16	39	39
3312 G	3312 G NK	3312 GGV	3312 GGV NK	3.00x3.00x12.00	76x76x305	1.50	38	16	3	3
3318 G	3318 G NK	3318 GGV	3318 GGV NK	3.00x3.00x18.00	76x76x457	1.50	38	16	5	5
3324 G	3324 G NK	3324 GGV	3324 GGV NK	3.00x3.00x24.00	76x76x610	1.50	38	16	7	7
3336 G	3336 G NK	3336 GGV	3336 GGV NK	3.00x3.00x36.00	76x76x914	1.50	38	16	11	11
3348 G	3348 G NK	3348 GGV	3348 GGV NK	3.00x3.00x48.00	76x76x1219	1.50	38	16	15	15
3360 G	3360 G NK	3360 GGV	3360 GGV NK	3.00x3.00x60.00	76x76x1524	1.50	38	16	19	19
3372 G	3372 G NK	3372 GGV	3372 GGV NK	3.00x3.00x72.00	76x76x1829	1.50	38	16	23	23
33120 G	33120 G NK	33120 GGV	33120 GGV NK	3.00x3.00x120.00	76x76x3048	1.50	38	16	39	39
4412 G	4412 G NK	4412 GGV	4412 GGV NK	4.00x4.00x12.00	102x102x305	2.75	70	16	3	3
4418 G	4418 G NK	4418 GGV	4418 GGV NK	4.00x4.00x18.00	102x102x457	2.75	70	16	5	5
4424 G	4424 G NK	4424 GGV	4424 GGV NK	4.00x4.00x24.00	102x102x610	2.75	70	16	7	7
4436 G	4436 G NK	4436 GGV	4436 GGV NK	4.00x4.00x36.00	102x102x914	2.75	70	16	11	11
4448 G	4448 G NK	4448 GGV	4448 GGV NK	4.00x4.00x48.00	102x102x1219	2.75	70	16	15	15
4460 G	4460 G NK	4460 GGV	4460 GGV NK	4.00x4.00x60.00	102x102x1524	2.75	70	16	19	19
4472 G	4472 G NK	4472 GGV	4472 GGV NK	4.00x4.00x72.00	102x102x1829	2.75	70	16	23	23
44120 G	44120 G NK	44120 GGV	44120 GGV NK	4.00x4.00x120.00	102x102x3048	2.75	70	16	39	39
6412 G	6412 G NK	6412 GGV	6412 GGV NK	6.00x4.00x12.00	152x102x305	4.25	108	16	3	3
6418 G	6418 G NK	6418 GGV	6418 GGV NK	6.00x4.00x18.00	152x102x457	4.25	108	16	5	5
6424 G	6424 G NK	6424 GGV	6424 GGV NK	6.00x4.00x24.00	152x102x610	4.25	108	16	7	7
6436 G	6436 G NK	6436 GGV	6436 GGV NK	6.00x4.00x36.00	152x102x914	4.25	108	16	11	11
6448 G	6448 G NK	6448 GGV	6448 GGV NK	6.00x4.00x48.00	152x102x1219	4.25	108	16	15	15
6460 G	6460 G NK	6460 GGV	6460 GGV NK	6.00x4.00x60.00	152x102x1524	4.25	108	16	19	19
6472 G	6472 G NK	6472 GGV	6472 GGV NK	6.00x4.00x72.00	152x102x1829	4.25	108	16	23	23
64120 G	64120 G NK	64120 GGV	64120 GGV NK	6.00x4.00x120.00	152x102x3048	4.25	108	16	39	39
6612 G	6612 G NK	6612 GGV	6612 GGV NK	6.00x6.00x12.00	152x152x305	4.25	108	16	3	3
6618 G	6618 G NK	6618 GGV	6618 GGV NK	6.00x6.00x18.00	152x152x457	4.25	108	16	5	5
6624 G	6624 G NK	6624 GGV	6624 GGV NK	6.00x6.00x24.00	152x152x610	4.25	108	16	7	7
6636 G	6636 G NK	6636 GGV	6636 GGV NK	6.00x6.00x36.00	152x152x914	4.25	108	16	11	11
6648 G	6648 G NK	6648 GGV	6648 GGV NK	6.00x6.00x48.00	152x152x1219	4.25	108	16	15	15
6660 G	6660 G NK	6660 GGV	6660 GGV NK	6.00x6.00x60.00	152x152x1524	4.25	108	16	19	19
6672 G	6672 G NK	6672 GGV	6672 GGV NK	6.00x6.00x72.00	152x152x1829	4.25	108	16	23	23
66120 G	66120 G NK	66120 GGV	66120 GGV NK	6.00x6.00x120.00	152x152x3048	4.25	108	16	39	39

See page 14 for 8”x8” through 12”x12” wireway.

Notes: 2.50” x 2.50” wireway available September, 2000.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway - Painted & Galvanized

Catalog Number

Wireway Catalog Number				Wireway Size					Knockout Quantity	
Painted		Galvanized		Height Depth Length A x B x C		D				
KO	No KO	KO	No KO	in.	mm	in.	mm	Gauge	Top	Bottom
8812 G	8812 G NK	8812 GGV	8812 GGV NK	8.00x8.00x12.00	203x203x305	6.00	152	14	3	3
8818 G	8818 G NK	8818 GGV	8818 GGV NK	8.00x8.00x18.00	203x203x457	6.00	152	14	5	5
8824 G	8824 G NK	8824 GGV	8824 GGV NK	8.00x8.00x24.00	203x203x610	6.00	152	14	7	7
8836 G	8836 G NK	8836 GGV	8836 GGV NK	8.00x8.00x36.00	203x203x914	6.00	152	14	11	11
8848 G	8848 G NK	8848 GGV	8848 GGV NK	8.00x8.00x48.00	203x203x1219	6.00	152	14	15	15
8860 G	8860 G NK	8860 GGV	8860 GGV NK	8.00x8.00x60.00	203x203x1524	6.00	152	14	19	19
8872 G	8872 G NK	8872 GGV	8872 GGV NK	8.00x8.00x72.00	203x203x1829	6.00	152	14	23	23
88120 G	88120 G NK	88120 GGV	88120 GGV NK	8.00x8.00x120.00	203x203x3048	6.00	152	14	39	39
101012 G	101012 G NK	101012 GGV	101012 GGV NK	10.00x10.00x12.00	254x254x305	8.00	203	14	3	3
101024 G	101024 G NK	101024 GGV	101024 GGV NK	10.00x10.00x24.00	254x254x610	8.00	203	14	7	7
101036 G	101036 G NK	101036 GGV	101036 GGV NK	10.00x10.00x36.00	24x254x914	8.00	203	14	11	11
101048 G	101048 G NK	101048 GGV	101048 GGV NK	10.00x10.00x48.00	254x254x1219	8.00	203	14	15	15
101060 G	101060 G NK	101060 GGV	101060 GGV NK	10.00x10.00x60.00	254x254x1524	8.00	203	14	19	19
101072 G	101072 G NK	101072 GGV	101072 GGV NK	10.00x10.00x72.00	254x254x1829	8.00	203	14	23	23
1010120 G	1010120 G NK	1010120 GGV	1010120 GGV NK	10.00x10.00x120.00	254x254x3048	8.00	203	14	39	39
121212 G	121212 G NK	121212 GGV	121212 GGV NK	12.00x12.00x12.00	305x305x305	10.00	254	14	3	3
121224 G	121224 G NK	121224 GGV	121224 GGV NK	12.00x12.00x24.00	305x305x610	10.00	254	14	7	7
121236 G	121236 G NK	121236 GGV	121236 GGV NK	12.00x12.00x36.00	305x305x914	10.00	254	14	11	11
121248 G	121248 G NK	121248 GGV	121248 GGV NK	12.00x12.00x48.00	305x305x1219	10.00	254	14	15	15
121260 G	121260 G NK	121260 GGV	121260 GGV NK	12.00x12.00x60.00	305x3051524	10.00	254	14	19	19
121272 G	121272 G NK	121272 GGV	121272 GGV NK	12.00x12.00x72.00	305x305x1829	10.00	254	14	23	23
1212120 G	1212120 G NK	1212120 GGV	1212120 GGV NK	12.00x12.00x120.00	305x305x3048	10.00	254	14	39	39

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway Fittings - Painted & Galvanized

Catalog Number

Connector

Catalog Number	A		B	
	in.	mm	in.	mm
22 C	2.50	64	2.50	64
33 C	3.00	76	3.00	76
44 C	4.00	102	4.00	102
64 C	6.00	152	4.00	102
66 C	6.00	152	6.00	152
88 C	8.00	203	8.00	203
1010 C	10.00	254	10.00	254
1212 C	12.00	305	12.00	305

Reducer

Catalog Number		A1		B1		A2		B2		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2233 FR	2233 FRGV	2.50	64	2.50	64	3.00	76	3.00	76	6.00	152
3344 FR	3344 FRGV	3.00	76	3.00	76	4.00	102	4.00	102	8.00	203
4466 FR	4466 FRGV	4.00	102	4.00	102	6.00	152	6.00	152	10.00	254
6688 FR	6688 FRGV	6.00	152	6.00	152	8.00	203	8.00	203	12.00	305
881010 FR	881010 FRGV	8.00	203	8.00	203	10.00	254	10.00	254	12.00	305
10101212 FR	10101212 FRGV	10.00	254	10.00	254	12.00	305	12.00	305	16.00	406

Wireway End Flange

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 GF	22 GFGV	2.50	64	2.50	64	4.00	102	4.00	102
33 GF	33 GFGV	3.00	76	3.00	76	4.50	114	4.50	114
44 GF	44 GFGV	4.00	102	4.00	102	5.50	140	5.50	140
64 GF	64 GFGV	6.00	152	4.00	102	7.50	191	5.50	140
66 GF	66 GFGV	6.00	152	6.00	152	7.50	191	7.50	191
88 GF	88 GFGV	8.00	203	8.00	203	9.50	241	9.50	241
1010 GF	1010 GFGV	10.00	254	10.00	254	11.50	292	11.50	292
1212 GF	1212 GFGV	12.00	305	12.00	305	13.50	343	13.50	343

90° Elbow

Catalog Number		A		B		C		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
22 L COMBO	22 L COMBOGV	2.50	64	2.50	64	5.59	142	4.28	109	4.28	109
33 L COMBO	33 L COMBOGV	3.00	76	3.00	76	6.09	155	4.50	114	4.50	114
44 L COMBO	44 L COMBOGV	4.00	102	4.00	102	7.09	180	5.00	127	5.00	127
64 L COMBO	64 L COMBOGV	4.00	102	6.00	152	10.09	256	5.00	127	5.00	127
66 L COMBO	66 L COMBOGV	6.00	152	6.00	152	10.09	256	7.00	178	7.00	178
88 L COMBO	88 L COMBOGV	8.00	203	8.00	203	12.09	307	8.00	203	8.00	203
1010 L COMBO	1010 L COMBOGV	10.00	254	10.00	254	14.09	358	9.00	229	9.00	229
1212 L COMBO	1212 L COMBOGV	12.00	305	12.00	305	16.09	409	10.00	254	10.00	254
22 L SIDE	22 L SIDEGV	2.50	64	2.50	64	5.59	142	4.28	109	4.28	109
33 L SIDE	33 L SIDEGV	3.00	76	3.00	76	6.09	155	4.50	114	4.50	114
44 L SIDE	44 L SIDEGV	4.00	102	4.00	102	7.09	180	5.00	127	5.00	127
64 L SIDE	64 L SIDEGV	6.00	152	4.00	102	10.09	256	7.00	178	7.00	178
66 L SIDE	66 L SIDEGV	6.00	152	6.00	152	10.09	256	7.00	178	7.00	178
88 L SIDE	88 L SIDEGV	8.00	203	8.00	203	12.09	307	8.00	203	8.00	203
1010 L SIDE	1010 L SIDEGV	10.00	254	10.00	254	14.09	358	10.00	254	9.00	229
1212 L SIDE	1212 L SIDEGV	12.00	305	12.00	305	16.09	409	10.00	254	10.00	254
22 L SWEEP	22 L SWEEPGV	2.50	64	2.50	64	7.91	201	4.25	108	4.25	108
33 L SWEEP	33 L SWEEPGV	3.00	76	3.00	76	8.41	214	6.84	174	6.84	174
44 L SWEEP	44 L SWEEPGV	4.00	102	4.00	102	9.41	239	7.34	186	7.34	186
64 L SWEEP	64 L SWEEPGV	4.00	102	6.00	152	11.41	290	8.34	212	8.34	212
66 L SWEEP	66 L SWEEPGV	6.00	152	6.00	152	11.41	290	8.34	212	8.34	212
88 L SWEEP	88 L SWEEPGV	8.00	203	8.00	203	13.41	341	9.34	237	9.34	237
1010 L SWEEP	1010 L SWEEPGV	10.00	254	10.00	254	15.41	391	10.34	263	10.34	263
1212 L SWEEP	1212 L SWEEPGV	12.00	305	12.00	305	17.41	442	11.34	288	11.34	288

Telescopic Fitting

Catalog Number		A		B1		B2		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 FTF	22 FTFGV	2.75	70	1.75	44	1.12	28	12.00	305
33 FTF	33 FTFGV	3.25	83	2.25	57	1.12	28	12.00	305
44 FTF	44 FTFGV	4.25	108	3.25	83	1.12	28	12.00	305
64 FTF	64 FTFGV	6.25	159	3.25	83	1.12	28	12.00	305
66 FTF	66 FTFGV	6.25	159	5.25	133	1.12	28	12.00	305
88 FTF	88 FTFGV	8.25	210	7.25	184	1.12	28	12.00	305
1010 FTF	1010 FTFGV	10.25	260	9.25	235	1.12	28	12.00	305
1212 FTF	1212 FTFGV	12.25	311	11.25	286	1.12	28	12.00	305

End

Catalog Number				A		B	
KO	No KO	KO	No KO				
Painted		Galvanized		in.	mm	in.	mm
22 E	22 E NK	22 EGV	22 EGV NK	2.50	64	2.50	64
33 E	33 E NK	33 EGV	33 EGV NK	3.00	76	3.00	76
44 E	44 E NK	44 EGV	44 EGV NK	4.00	102	4.00	102
64 E	64 E NK	64 EGV	64 EGV NK	6.00	152	4.00	102
66 E	66 E NK	66 EGV	66 EGV NK	6.00	152	6.00	152
88 E	88 E NK	88 EGV	88 EGV NK	8.00	203	8.00	203
1010 E	1010 E NK	1010 EGV	1010 EGV NK	10.00	254	10.00	254
1212 E	1212 E NK	1212 EGV	1212 EGV NK	12.00	305	12.00	305

See drawing for KO sizes.

Wireway Hanger

Catalog Number		G		H		J		K	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 FH	22 FHGV	8.50	216	6.50	165	6.50	165	2.87	73
33 FH	33 FHGV	10.50	267	8.50	216	9.00	229	3.87	98
44 FH	44 FHGV	12.50	318	10.50	267	10.37	263	4.87	124
66 FH	66 FHGV	16.50	419	14.50	368	13.50	343	5.87	149
88 FH	88 FHGV	20.50	521	18.50	470	16.75	425	6.87	174
1010 FH*	1010 FHGV*	24.50	622	22.50	572	19.75	502	7.87	200
1212 FH*	1212 FHGV*	28.50	724	26.50	673	22.75	578	8.87	225

*Hangers are shipped welded in the top cover assembly position.

90° Elbow - Tee - Cross

Catalog Number		A		B		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm
22 LTX	22 LTXGV	2.50	64	2.50	64	4.50	114
33 LTX	33 LTXGV	3.00	76	3.00	76	5.00	127
44 LTX	44 LTXGV	4.00	102	4.00	102	6.00	152
64 LTX	64 LTXGV	6.00	152	4.00	102	8.00	203
66 LTX	66 LTXGV	6.00	152	6.00	152	8.00	203
88 LTX	88 LTXGV	8.00	203	8.00	203	10.00	254
1010 LTX	1010 LTXGV	10.00	254	10.00	254	12.00	305
1212 LTX	1212 LTXGV	12.00	305	12.00	305	14.00	356

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway Fittings - Painted & Galvanized

Catalog Number

45° Elbow

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
2245 L COMBO	2245 L COMBOGV	2.50	64	2.50	64	1.72	44	1.72	44
3345 L COMBO	3345 L COMBOGV	3.00	76	3.00	76	2.56	65	2.56	65
4445 L COMBO	4445 L COMBOGV	4.00	102	4.00	102	2.75	70	2.75	70
6445 L COMBO	6445 L COMBOGV	4.00	102	6.00	153	2.75	70	2.75	70
6645 L COMBO	6645 L COMBOGV	6.00	153	6.00	153	3.18	81	3.18	81
8845 L COMBO	8845 L COMBOGV	8.00	203	8.00	203	3.62	92	3.62	92
101045 L COMBO	101045 L COMBOGV	10.00	254	10.00	254	4.06	103	4.06	103
121245 L COMBO	121245 L COMBOGV	12.00	305	12.00	305	4.50	114	4.50	114
2245 L SIDE	2245 L SIDEGV	2.50	64	2.50	64	1.97	50	1.97	50
3345 L SIDE	3345 L SIDEGV	3.00	76	3.00	76	2.56	65	2.56	65
4445 L SIDE	4445 L SIDEGV	4.00	102	4.00	102	2.75	70	2.75	70
6445 L SIDE	6445 L SIDEGV	6.00	153	4.00	102	3.18	81	3.18	81
6645 L SIDE	6645 L SIDEGV	6.00	153	6.00	153	3.18	81	3.18	81
8845 L SIDE	8845 L SIDEGV	8.00	203	8.00	203	3.62	92	3.62	92
101045 L SIDE	101045 L SIDEGV	10.00	254	10.00	254	4.06	103	4.06	103
121245 L SIDE	121245 L SIDEGV	12.00	305	12.00	305	4.50	114	4.50	114

Tee

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 T	22 TGV	2.50	64	2.50	64	4.25	108	4.25	108
33 T	33 TGV	3.00	76	3.00	76	4.50	114	4.50	114
44 T	44 TGV	4.00	102	4.00	102	5.00	127	5.00	127
64 T	64 TGV	6.00	153	4.00	102	7.00	178	7.00	178
66 T	66 TGV	6.00	153	6.00	153	7.00	178	7.00	178
88 T	88 TGV	8.00	203	8.00	203	8.00	203	8.00	203
1010 T	1010 TGV	10.00	254	10.00	254	9.00	229	9.00	229
1212 T	1212 TGV	12.00	305	12.00	305	10.00	254	10.00	254

Cross

Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 X	22 XGV	2.50	64	2.50	64	4.25	108	4.25	108
33 X	33 XGV	3.00	76	3.00	76	5.62	143	5.62	143
44 X	44 XGV	4.00	102	4.00	102	6.12	155	6.12	155
64 X	64 XGV	6.00	152	4.00	152	7.12	181	7.12	181
66 X	66 XGV	6.00	152	6.00	152	7.12	181	7.12	181
88 X	88 XGV	8.00	203	8.00	203	8.12	206	8.12	206
1010 X	1010 XGV	10.00	254	10.00	254	9.12	232	9.12	232
1212 X	1212 XGV	12.00	305	12.00	305	10.12	257	10.12	25

Barrier Kit, 60" Bolt-On

Catalog Number	Size		Length		H	
	in.	mm	in.	mm	in.	mm
22-12BK*	2.50x2.50	64x64	60.00	1524	1.88	48
33-12BK*	3.00x3.00	76x76	60.00	1524	2.25	57
44-12BK*	4.00x4.00	102x102	60.00	1524	3.00	76
66-12BK*	6.00x6.00	152x152	60.00	1524	4.50	114
88-12BK*	8.00x8.00	203x203	60.00	1524	6.00	152
1010-12BK*	10.00x10.00	254x254	60.00	1524	8.00	203
1212-12BK*	12.00x12.00	305x305	60.00	1524	10.50	267

*Not UL or CSA listed fitting.

Type 1 Wireway Competitor Adapters

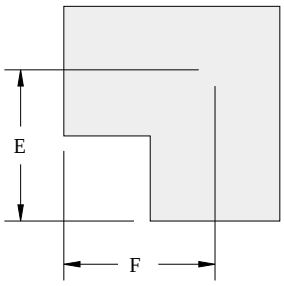
Wireway Size		Hoffman®1	Wiegmann®2	Square D®3	Unity®4	Electrical Box and Enclosures®5	Austin®6
in.	mm						
2.5x2.5	64x64	22 CA	22 CA	22 CA	22 CA	-	22 ACA
4x4	102x102	44 CA	44 CA	44 CA	44 CA	44 CA	44 ACA
6x6	152x152	66 CA	66 CA	66 CA	66 CA	66 CA	66 ACA
8x8	203x203	88 CA	88 CA	88 SCA	88 CA	88 CA	88 ACA
10x10	254x254	1010 CA	1010 CA	1010 SCA	1010 CA	1010 CA	1010 ACA
12x12	305x305	1212 CA	1212 CA	1212 SCA	1212 CA	1212 CA	1212 ACA

1. HOFFMAN® is the registered trademark of Hoffman Engineering Company, Anoka, Minnesota.
2. WIEGMANN® is the registered trademark of Hubbell Incorporated, Orange, Connecticut.
3. SQUARE D® is the registered trademark of Square D Company, Palatine, Illinois.
4. UNITY® is the registered trademark of Unity Manufacturing, Garland, Texas.
5. ELECTRICAL BOX AND ENCLOSURES® is the registered trademark of Electrical Box and Enclosures, Alabaster, Alabama.
6. AUSTIN® is the registered trademark of The Austin Co., Yadkinville, North Carolina.

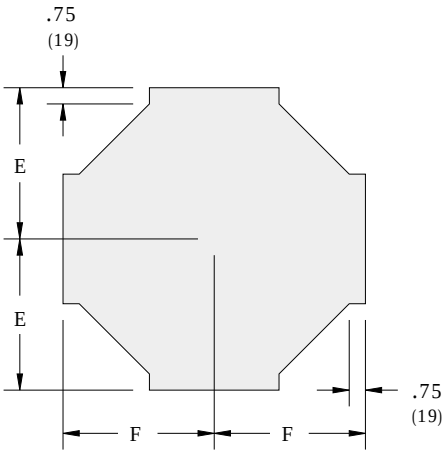
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway - Painted & Galvanized

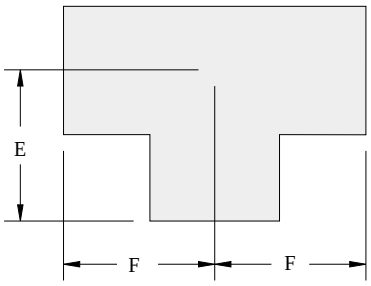
Illustration Sheet



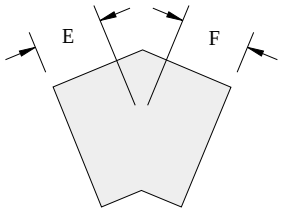
90˚ Elbow



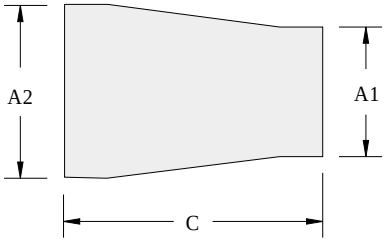
Cross



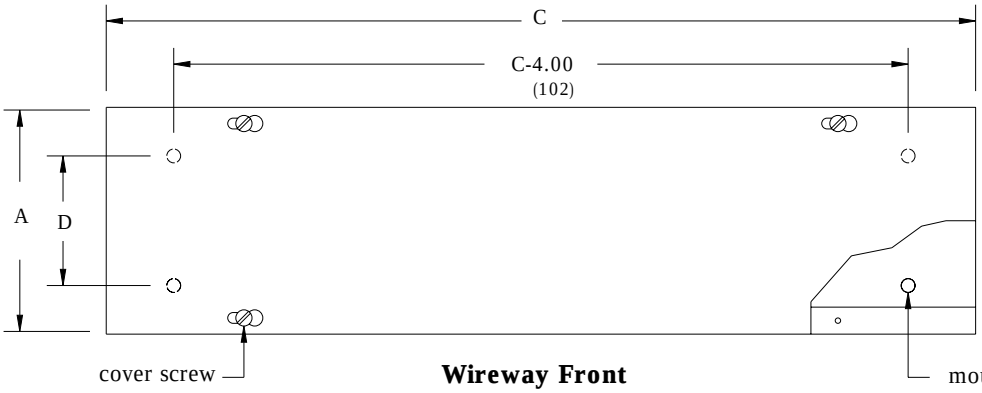
Tee



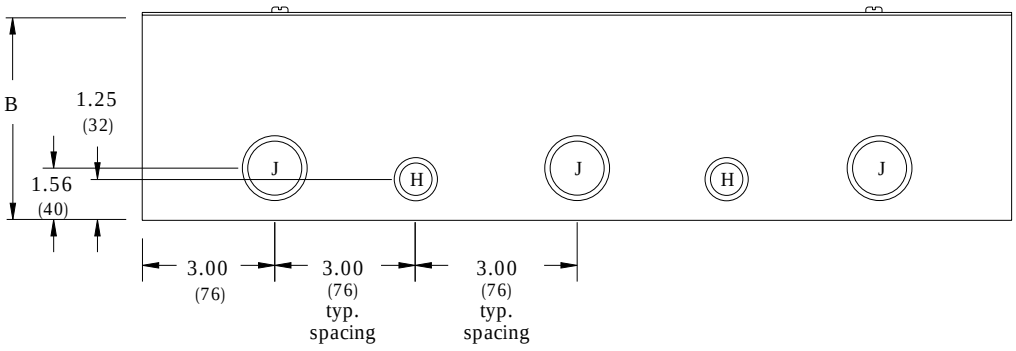
45˚ Elbow



Reducer Fitting



Wireway Front



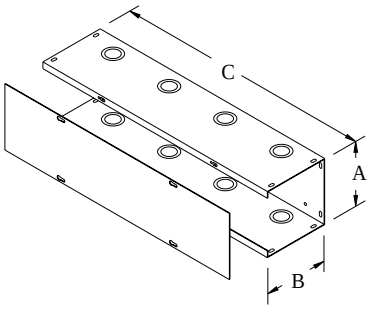
Wireway Side

Knockout sizes:
H = 3/4" or 1/2" conduit
J = 1 1/4" or 1" conduit

Notes: 2.50" x 2.50" wireway has 1/2" and 3/4" 2-way knockouts (H) only, 3" (76 mm) from ends and 3" (76 mm) on center. Additional mounting holes are furnished when C dimension is over 60.00" (1524 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Wireway - Painted & Galvanized

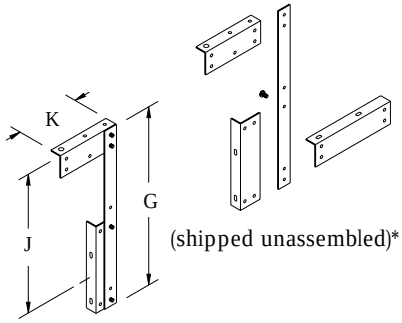
Illustration Sheet



Wireway Section

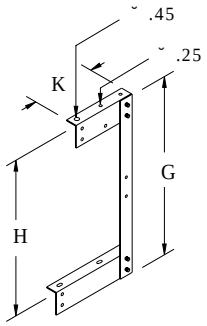
Lengths from 12.00" (305 mm) to 120.00" (3048 mm). Wireway exceeding 72.00" (1829 mm) has two covers. Shown with KO's also available without.

Wireway Hangers



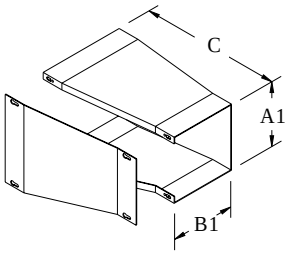
Side Cover Assembly

For those installations where the wireway cover must be removed from the side. *1010 FH & 1212 FH are shipped welded in the top cover assembly position.



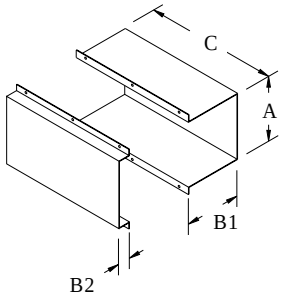
Top Cover Assembly

For those installations where the wireway cover must be removed from the top.*1010 FH & 1212 FH are shipped welded in the top cover assembly position.



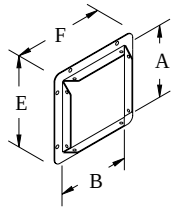
Reducer

A2 and B2 dimensions (see catalog table), correspond to the large end opening. Used to reduce or enlarge wireway runs.



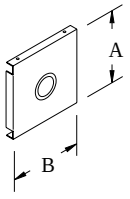
Telescopic Fitting

Adjustable length up to 10.00" (254 mm). Wraps around the two near joining wireway lengths to achieve a continuous run.



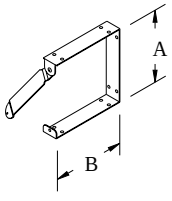
Wireway End Flange

Allows for a secure connection of wireway to an adjoining enclosure or wall.



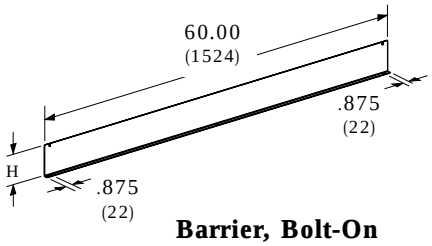
End

Used to terminate wireway or fitting. 2.50"x2.50" (64 mm x 64 mm) through 8.00"x8.00" (203 mm x 203 mm) ends have a 1.50"-1.25" concentric 2-way KO. 10.00" x 10.00" (254 mm x 254 mm) ends and larger have a 3.00"-2.50" concentric 2-way KO for terminating on pipe or conduit. Also available without KO.



Connector

Swing gate allows for continuous runs of wire and cable.



Barrier, Bolt-On

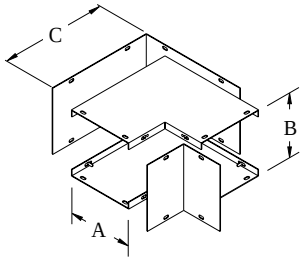
For those installations that require separated wiring compartments.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

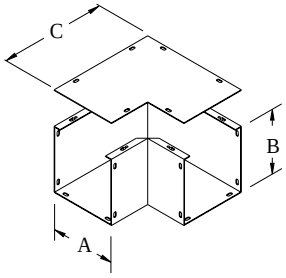
Type 1 Screw Cover Wireway - Painted & Galvanized

Illustration Sheet

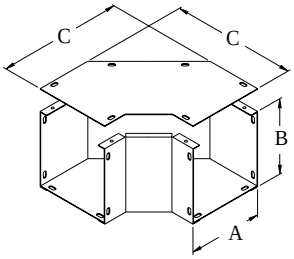
Wireway 90˚ Elbows



Combo Opening
Specially designed for removing either the inside or outside cover to allow a continuous run with 90˚ turns.

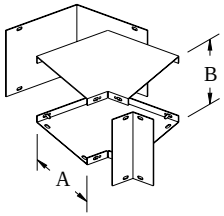


Side Opening
Side cover is removable to allow a continuous run on designs with 90˚ turns.

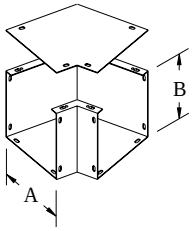


Sweep Elbow
Side cover design with a larger radius for 90° sweeping turns.

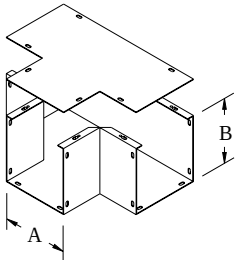
Wireway 45˚ Elbows



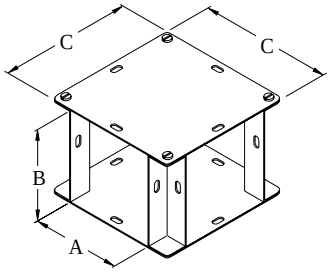
Combo Opening
Similar to the 90˚ elbow design except a 45˚ turn. Both inside and outside covers removable.



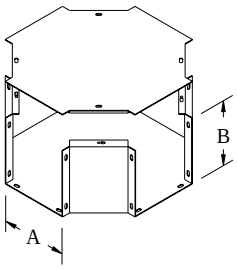
Side Opening
Similar to the 90˚ side opening design except for a 45˚ turn. Excellent for combining two to make a gradual sweeping 90˚ turn.



Tee
Side cover design where a “T” junction is necessary.



90° Elbow-Tee-Cross
Designed for left or right 90° turns or as a tee or cross by removing closure plates. Includes two (2) closure plates and hardware.

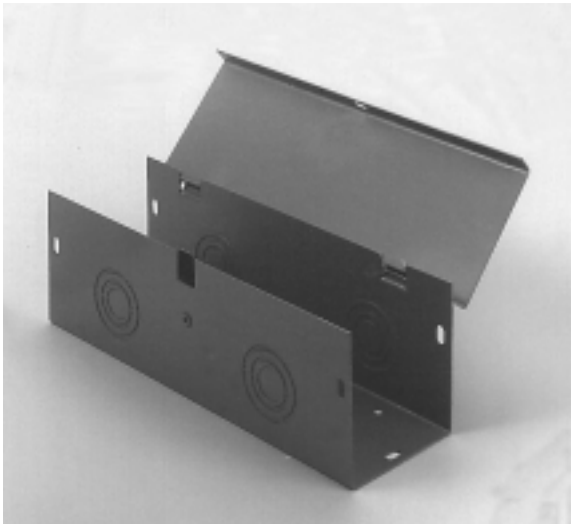


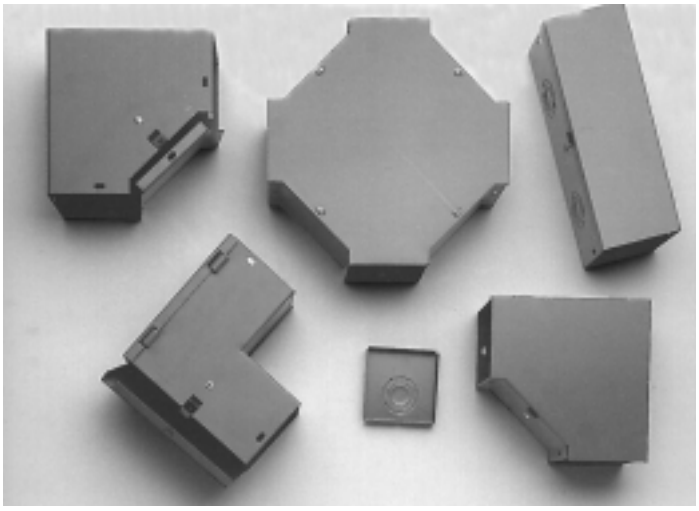
Cross
Side cover and broad body design to junction cable run in four directions.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Hinge Cover Wireway

Data Sheet





Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 529, IP30

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from code gauge steel, (see table)
- Wireway body has mounting holes on the back
- Wireway is available with or without knockouts on the top and bottom sides
- Wireway fittings have no knockouts, ends are available with or without knockouts
- Wireway, 90˚ Elbow and Tee fitting have covers which are attached with formed hinges on one side and a spring steel latch on the opposite side
- Wireway and fitting covers can be opened without tools
- Wireway exceeding 72 inches in length has two overlapping covers
- Variety of fittings allow runs which can change directions, junction and terminate
- Standard wireway connectors (sold separately) have a unique gate feature which can swing completely open allowing for continuous runs of wire and cable
- Universal connectors are also available for adapting to other manufacturer's wireway, (see table, page 16)
- Except for wireway ends, completely interchangeable with Type 1 Screw Cover Wireway and Fittings

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Hinge Cover Wireway

Catalog Number

Wireway Catalog Number		Wireway Size Height Depth Length A x B x C		D			Knockout Quantity	
KO	No KO	in.	mm	in.	mm	Gauge	Top	Bottom
3312 F	3312 F NK	3.00x3.00x12.00	76x76x305	1.50	38	16	-	-
3324 F	3324 F NK	3.00x3.00x24.00	76x76x610	1.50	38	16	-	-
3336 F	3336 F NK	3.00x3.00x36.00	76x76x914	1.50	38	16	-	-
3348 F	3348 F NK	3.00x3.00x48.00	76x76x1219	1.50	38	16	-	-
3360 F	3360 F NK	3.00x3.00x60.00	76x76x1524	1.50	38	16	-	-
33120 F	33120 F NK	3.00x3.00x120.00	76x76x3048	1.50	38	16	-	-
4412 F	4412 F NK	4.00x4.00x12.00	102x102x305	2.75	70	16	3	3
4424 F	4424 F NK	4.00x4.00x24.00	102x102x610	2.75	70	16	7	7
4436 F	4436 F NK	4.00x4.00x36.00	102x102x914	2.75	70	16	11	11
4448 F	4448 F NK	4.00x4.00x48.00	102x102x1219	2.75	70	16	15	15
4460 F	4460 F NK	4.00x4.00x60.00	102x102x1524	2.75	70	16	19	19
4472 F	4472 F NK	4.00x4.00x72.00	102x102x1829	2.75	70	16	23	23
44120 F	44120 F NK	4.00x4.00x120.00	102x102x3048	2.75	70	16	39	39
6612 F	6612 F NK	6.00x6.00x12.00	152x152x305	4.25	108	6	3	3
6624 F	6624 F NK	6.00x6.00x24.00	152x152x610	4.25	108	16	7	7
6636 F	6636 F NK	6.00x6.00x36.00	152x152x914	4.25	108	16	11	11
6648 F	6648 F NK	6.00x6.00x48.00	152x152x1219	4.25	108	16	15	15
6660 F	6660 F NK	6.00x6.00x60.00	152x152x1524	4.25	108	16	19	19
6672 F	6672 F NK	6.00x6.00x72.00	152x152x1829	4.25	108	16	23	23
66120 F	66120 F NK	6.00x6.00x120.00	152x152x3048	4.25	108	16	39	39
8812 F	8812 F NK	8.00x8.00x12.00	203x203x305	6.00	152	14	3	3
8824 F	8824 F NK	8.00x8.00x24.00	203x203x610	6.00	152	14	7	7
8836 F	8836 F NK	8.00x8.00x36.00	203x203x914	6.00	152	14	11	11
8848 F	8848 F NK	8.00x8.00x48.00	203x203x1219	6.00	152	14	15	15
8860 F	8860 F NK	8.00x8.00x60.00	203x203x1524	6.00	152	14	19	19
8872 F	8872 F NK	8.00x8.00x72.00	203x203x1829	6.00	152	14	23	23
88120 F	88120 F NK	8.00x8.00x120.00	203x203x3048	6.00	152	14	39	39
101012 F	101012 F NK	10.00x10.00x12.00	254x254x305	8.00	203	14	3	3
101024 F	101024 F NK	10.00x10.00x24.00	254x254x610	8.00	203	14	7	7
101036 F	101036 F NK	10.00x10.00x36.00	254x254x914	8.00	203	14	11	11
101048 F	101048 F NK	10.00x10.00x48.00	254x254x1219	8.00	203	14	15	15
101060 F	101060 F NK	10.00x10.00x60.00	254x254x1524	8.00	203	14	19	19
1010120 F	1010120 F NK	10.00x10.00x120.00	254x254x3048	8.00	203	14	39	39
121212 F	121212 F NK	12.00x12.00x12.00	305x305x305	10.00	254	14	3	3
121224 F	121224 F NK	12.00x12.00x24.00	305x305x610	10.00	254	14	7	7
121236 F	121236 F NK	12.00x12.00x36.00	305x305x914	10.00	254	14	11	11
121248 F	121248 F NK	12.00x12.00x48.00	305x305x1219	10.00	254	14	15	15
121260 F	121260 F NK	12.00x12.00x60.00	305x305x1524	10.00	254	14	19	19
1212120 F	1212120 F NK	12.00x12.00x120.00	305x305x3048	10.00	254	14	39	39

Notes: Additional mounting holes are furnished when C dimension is over 60.00" (1524 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Hinge Cover Wireway

Catalog Number

Telescopic Fitting

Catalog Number	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
33 FTF	3.25	83	2.25	57	1.12	28	12.00	305
44 FTF	4.25	108	3.25	83	1.12	28	12.00	305
66 FTF	6.25	159	5.25	133	1.12	28	12.00	305
88 FTF	8.25	210	7.25	184	1.12	28	12.00	305
1010 FTF	10.25	260	9.25	235	1.12	28	12.00	305
1212 FTF	12.25	311	11.25	286	1.12	28	12.00	305

Reducer

Catalog Number	A1		B1		A2		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
3344 FR	3.00	76	3.00	76	4.00	102	4.00	102	8.00	203
4466 FR	4.00	102	4.00	102	6.00	152	6.00	152	10.00	254
6688 FR	6.00	152	6.00	152	8.00	203	8.00	203	12.00	305
881010 FR	8.00	203	8.00	203	10.00	254	10.00	254	12.00	305
10101212 FR	10.00	254	10.00	254	12.00	305	12.00	305	16.00	406

Connector

Catalog Number	A		B	
	in.	mm	in.	mm
33 C	3.00	76	3.00	76
44 C	4.00	102	4.00	102
66 C	6.00	152	6.00	152
88 C	8.00	203	8.00	203
1010 C	10.00	254	10.00	254
1212 C	12.00	305	12.00	305

End

Catalog Number		A		B		KO	
KO	No KO	in.	mm	in.	mm	in.	mm
33 FE	33 FE NK	3.00	76	3.00	76	-	-
44 FE	44 FE NK	4.00	102	4.00	102	1.50	38
66 FE	66 FE NK	6.00	152	6.00	152	1.50	38
88 FE	88 FE NK	8.00	203	8.00	203	1.50	38
1010 FE	1010 FE NK	10.00	254	10.00	254	3.00	76
1212 FE	1212 FE NK	12.00	305	12.00	305	3.00	76

Wireway End Flange

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
33 GF	3.00	76	3.00	76	4.50	114	4.50	114
44 GF	4.00	102	4.00	102	5.50	140	5.50	140
66 GF	6.00	152	6.00	152	7.50	191	7.50	191
88 GF	8.00	203	8.00	203	9.50	241	9.50	241
1010 GF	10.00	254	10.00	254	11.50	292	11.50	292
1212 GF	12.00	305	12.00	305	13.50	343	13.50	343

Wireway Hanger

Catalog Number	G		H		J		K	
	in.	mm	in.	mm	in.	mm	in.	mm
33 FH	10.50	267	8.50	241	9.00	229	3.87	95
44 FH	12.50	318	10.50	267	10.37	263	4.87	121
66 FH	16.50	419	14.50	394	13.50	340	5.87	146
88 FH	20.50	521	18.50	495	16.75	425	6.87	171
1010 FH*	24.50	622	22.50	571	17.25	438	7.87	200
1212 FH*	28.50	724	26.50	673	20.25	514	8.87	225

*Hangers are shipped welded in the top cover assembly position.

90° Elbow

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
33 FL IN	3.00	76	3.00	76	5.50	140	5.50	140
44 FL IN	4.00	102	4.00	102	6.00	152	6.00	152
66 FL IN	6.00	152	6.00	152	7.00	178	7.00	178
88 FL IN	8.00	203	8.00	203	8.00	203	8.00	203
1010 FL IN	10.00	254	10.00	254	9.00	229	9.00	229
1212 FL IN	12.00	305	12.00	305	10.00	254	10.00	254
33 FL OUT	3.00	76	3.00	76	5.50	140	5.50	140
44 FL OUT	4.00	102	4.00	102	6.00	152	6.00	152
66 FL OUT	6.00	152	6.00	152	7.00	178	7.00	178
88 FL OUT	8.00	203	8.00	203	8.00	203	8.00	203
1010 FL OUT	10.00	254	10.00	254	9.00	229	9.00	229
1212 FL OUT	12.00	305	12.00	305	10.00	254	10.00	254
33 FL SIDE	3.00	76	3.00	76	5.50	140	5.50	140
44 FL SIDE	4.00	102	4.00	102	6.00	152	6.00	152
66 FL SIDE	6.00	152	6.00	152	7.00	178	7.00	178
88 FL SIDE	8.00	203	8.00	203	8.00	203	8.00	203
1010 FL SIDE	10.00	254	10.00	254	9.00	229	9.00	229
1212 FL SIDE	12.00	305	12.00	305	10.00	254	10.00	254

45° Elbow

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
3345 L COMBO	3.00	76	3.00	76	2.56	65	2.56	65
4445 L COMBO	4.00	102	4.00	102	2.75	70	2.75	70
6645 L COMBO	6.00	152	6.00	152	3.18	81	3.18	81
8845 L COMBO	8.00	203	8.00	203	3.62	92	3.62	92
101045 L COMBO	10.00	254	10.00	254	4.06	103	4.06	103
121245 L COMBO	12.00	305	12.00	305	4.50	114	4.50	114
3345 L SIDE	3.00	76	3.00	76	2.56	65	2.56	65
4445 L SIDE	4.00	102	4.00	102	2.75	70	2.75	70
6645 L SIDE	6.00	152	6.00	152	3.18	81	3.18	81
8845 L SIDE	8.00	203	8.00	203	3.62	92	3.62	92
101045 L SIDE	10.00	254	10.00	254	4.06	103	4.06	103
121245 L SIDE	12.00	305	12.00	254	4.50	114	4.50	114

Tee

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
33 FT	3.00	76	3.00	76	5.50	140	5.50	140
44 FT	4.00	102	4.00	102	6.00	152	6.00	152
66 FT	6.00	152	6.00	152	7.00	178	7.00	178
88 FT	8.00	203	8.00	203	8.00	203	8.00	203
1010 FT	10.00	254	10.00	254	9.00	229	9.00	229
1212 FT	12.00	305	12.00	305	10.00	254	10.00	254

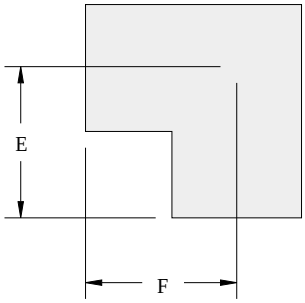
Cross

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
33 X	3.00	76	3.00	76	5.62	143	5.62	143
44 X	4.00	102	4.00	102	6.12	155	6.12	155
66 X	6.00	152	6.00	152	7.12	181	7.12	181
88 X	8.00	203	8.00	203	8.12	206	8.12	206
1010 X	10.00	254	10.00	254	9.12	232	9.12	232
1212 X	12.00	305	12.00	305	10.12	257	10.12	257

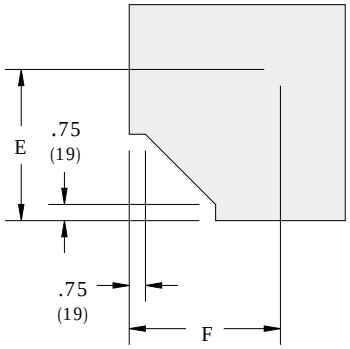
Note: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Hinge Cover Wireway

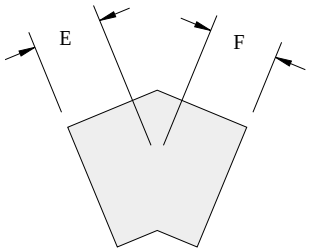
Illustration Sheet



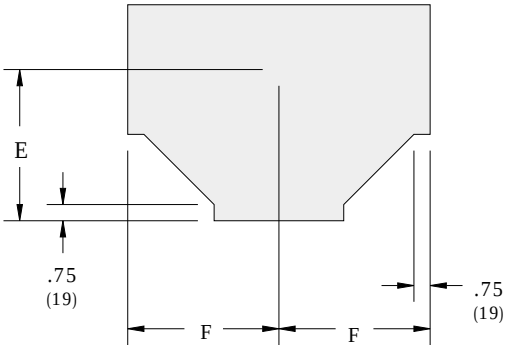
90˚ Elbow
(outside opening)



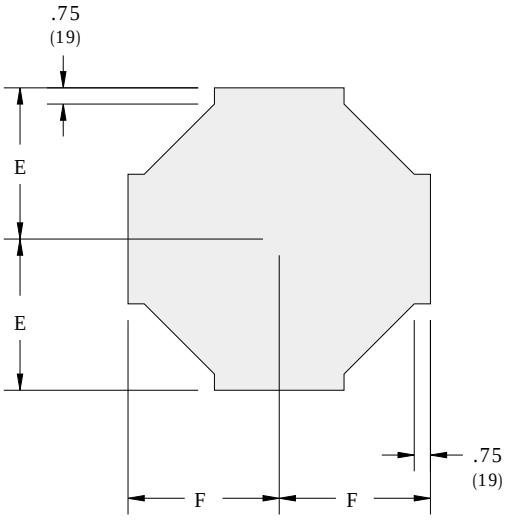
90˚ Elbow
(inside and side opening)



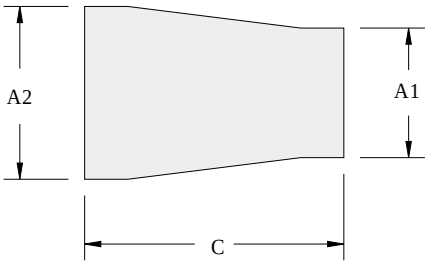
45˚ Elbow



Tee



Cross

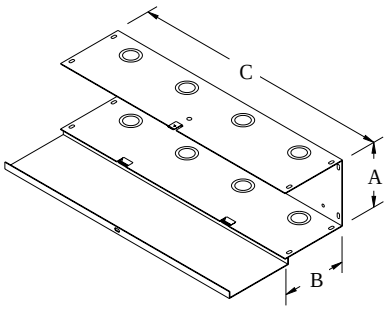


Reducer Fitting

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Hinge Cover Wireway

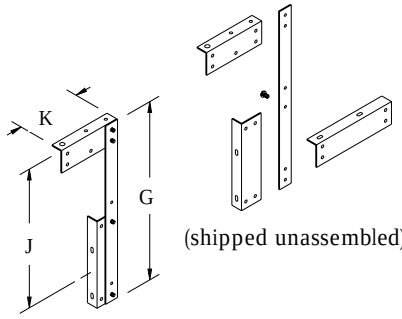
Illustration Sheet



Wireway Section

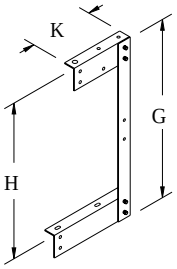
Lengths from 12.00” (305 mm) to 120.00” (305 mm). Wireway exceeding 60.00” (1524 mm) has two covers. Shown with KO's, also available without.

Wireway Hangers



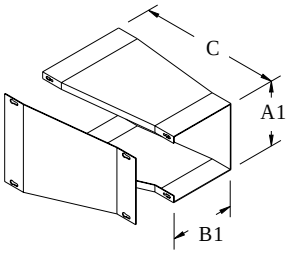
Side Cover Assembly

For those installations where the wireway cover must be hinged at the side.



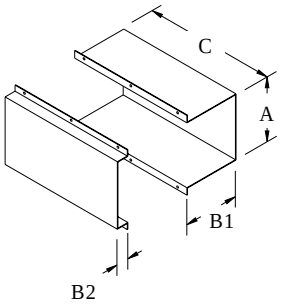
Top Cover Assembly

For those installations where the wireway cover must be hinged at the top.



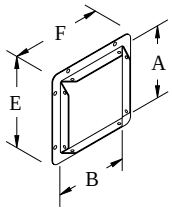
Reducer

A2 and B2 dimensions (see catalog table), correspond to the large end opening. Used to reduce or enlarge wireway runs. Removable cover is secured with screws.



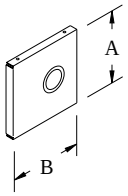
Telescopic Fitting

Adjustable length up to 10.00” (254 mm). Wraps around the two near joining wireway lengths to achieve a continuous run.



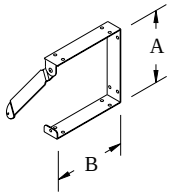
Wireway End Flange

Allows for a secure connection of wireway to an adjoining enclosure or wall.



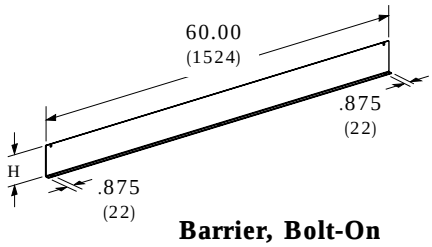
End

Used to terminate wireway or fitting. Shown with KO, also available without.



Connector

Swing gate allows for continuous runs of wire and cable.



Barrier, Bolt-On

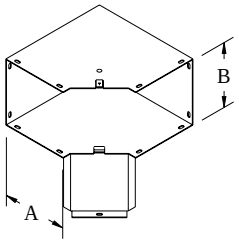
For those installations that require separated wiring compartments. See Type 1 Screw Cover Wireway for part number, page 16.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

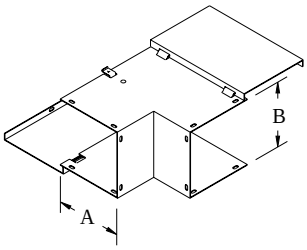
Type 1 Hinge Cover Wireway

Illustration Sheet

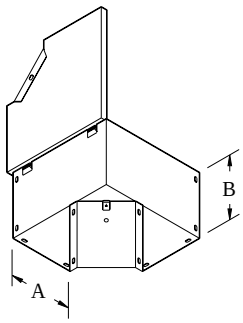
Wireway 90˚ Elbows



Inside Opening
Specifically designed to have only the inside cover hinge open to allow a continuous run with 90˚ turns.

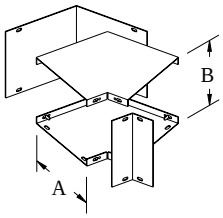


Outside Opening
Specifically designed to have the outside covers hinge open to allow a continuous run with 90˚ turns.

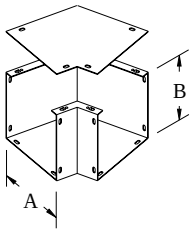


Side Opening
Side cover is hinged to allow a continuous run on designs with 90˚ sweeping turns.

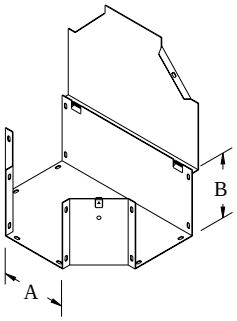
Wireway 45˚ Elbows



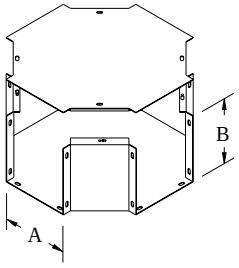
Combo Opening
Designed to achieve a 45˚ turn. Inside and outside removable covers are secured with screws.



Side Opening
Designed to achieve a 45˚ turn and have the cover removed from the side. Excellent for combining two to make a gradual 90˚ sweep.



Tee
Side hinge cover design for applications where a “T” junction is necessary.

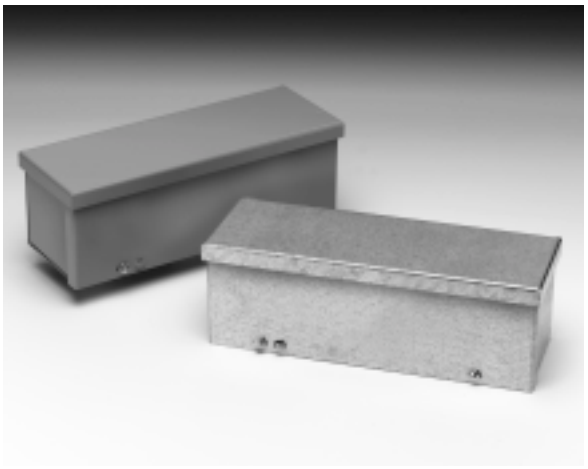


Cross
Side cover and broad body design to junction cable run in four directions. Removable cover is secured with screws.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Screw Cover Wireway

Data Sheet



Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 3R
- CSA C22.2 No. 26 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Construction

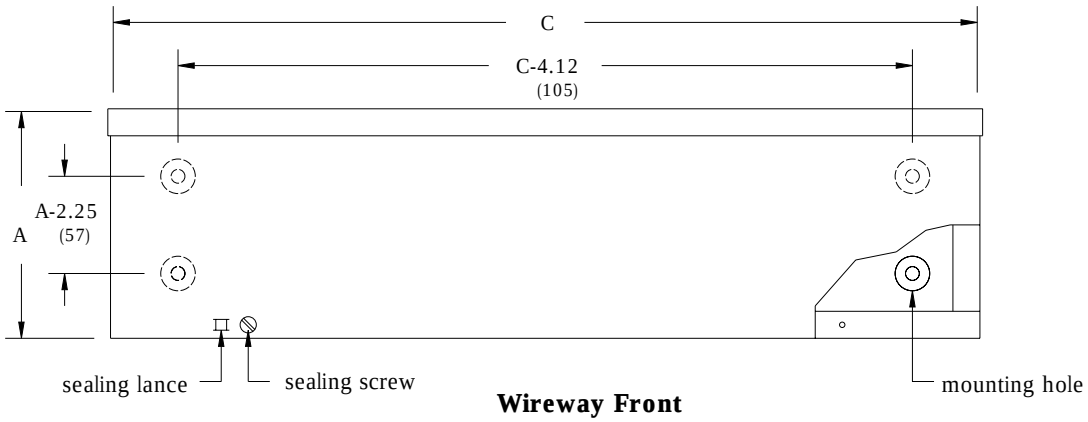
- Wireway body and cover are fabricated from (16) gauge galvaneal steel for painted or galvanized steel
- Wireway body has embossed mounting holes on the back
- Wireway is available with or without knockouts on the bottom end only, (see table)
- Cover is held secure by sliding it under the top end flange and fastening it with plated screws on the bottom end flange
- Sealing screws and lances are located at each end of the wireway cover
- Wireway exceeding 72 inches in length has two covers, a removable center channel and body supports

Finish

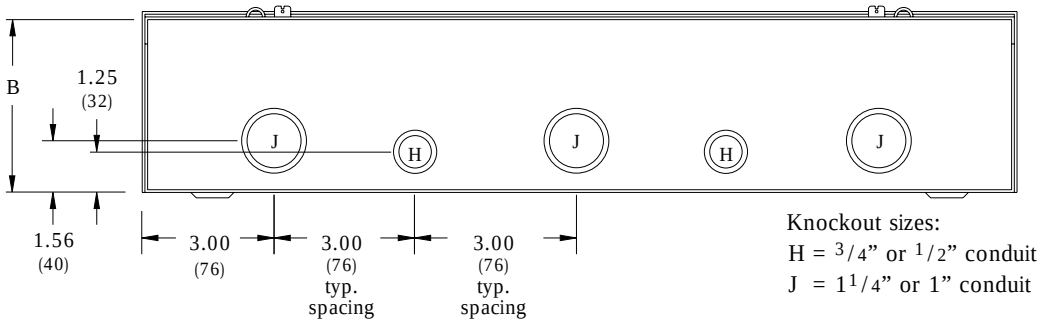
- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Sealing devices
- Touch-up paint
- See Accessories section



Wireway Front



Wireway Bottom

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Screw Cover Wireway

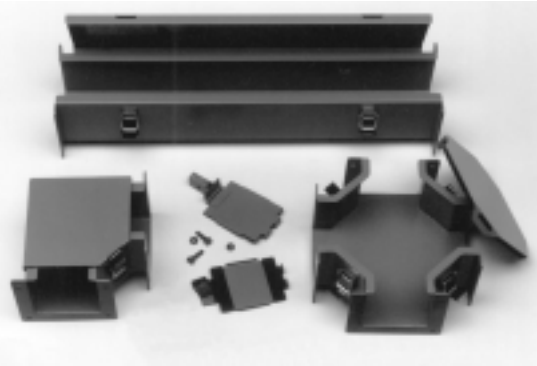
Catalog Number

Wireway Catalog Number				Wireway Size		Knockout Quantity
Painted		Galvanized		Height Depth Length A x B x C		
KO	No KO	KO	No KO	in.	mm	Bottom
4412 GRT	4412 GRT NK	4412 GRTGV	4412 GRTGV NK	4.00x4.00x12.00	102x102x305	3
4418 GRT	4418 GRT NK	4418 GRTGV	4418 GRTGV NK	4.00x4.00x18.00	102x102x457	5
4424 GRT	4424 GRT NK	4424 GRTGV	4424 GRTGV NK	4.00x4.00x24.00	102x102x610	7
4436 GRT	4436 GRT NK	4436 GRTGV	4436 GRTGV NK	4.00x4.00x36.00	102x102x914	11
4448 GRT	4448 GRT NK	4448 GRTGV	4448 GRTGV NK	4.00x4.00x48.00	102x102x1219	15
4460 GRT	4460 GRT NK	4460 GRTGV	4460 GRTGV NK	4.00x4.00x60.00	102x102x1524	19
4472 GRT	4472 GRT NK	4472 GRTGV	4472 GRTGV NK	4.00x4.00x72.00	102x102x1829	23
4496 GRT	4496 GRT NK	4496 GRTGV	4496 GRTGV NK	4.00x4.00x96.00	102x102x2438	31
44120 GRT	44120 GRT NK	44120 GRTGV	44120 GRTGV NK	4.00x4.00x120.00	102x102x3048	35
6412 GRT	6412 GRT NK	6412 GRTGV	6412 GRTGV NK	6.00x4.00x12.00	152x102x305	3
6418 GRT	6418 GRT NK	6418 GRTGV	6418 GRTGV NK	6.00x4.00x18.00	152x102x457	5
6424 GRT	6424 GRT NK	6424 GRTGV	6424 GRTGV NK	6.00x4.00x24.00	152x102x610	7
6436 GRT	6436 GRT NK	6436 GRTGV	6436 GRTGV NK	6.00x4.00x36.00	152x102x914	11
6448 GRT	6448 GRT NK	6448 GRTGV	6448 GRTGV NK	6.00x4.00x48.00	152x102x1219	15
6460 GRT	6460 GRT NK	6460 GRTGV	6460 GRTGV NK	6.00x4.00x60.00	152x1021524	19
6472 GRT	6472 GRT NK	6472 GRTGV	6472 GRTGV NK	6.00x4.00x72.00	152x1021829	23
6612 GRT	6612 GRT NK	6612 GRTGV	6612 GRTGV NK	6.00x6.00x12.00	152x152305	3
6618 GRT	6618 GRT NK	6618 GRTGV	6618 GRTGV NK	6.00x6.00x18.00	152x152x457	5
6624 GRT	6624 GRT NK	6624 GRTGV	6624 GRTGV NK	6.00x6.00x24.00	152x152x610	7
6636 GRT	6636 GRT NK	6636 GRTGV	6636 GRTGV NK	6.00x6.00x36.00	152x152x914	11
6648 GRT	6648 GRT NK	6648 GRTGV	6648 GRTGV NK	6.00x6.00x48.00	152x152x1219	15
6660 GRT	6660 GRT NK	6660 GRTGV	6660 GRTGV NK	6.00x6.00x60.00	152x152x1524	19
6672 GRT	6672 GRT NK	6672 GRTGV	6672 GRTGV NK	6.00x6.00x72.00	152x152x1829	23
6696 GRT	6696 GRT NK	6696 GRTGV	6696 GRTGV NK	6.00x6.00x96.00	152x152x2438	31
66120 GRT	66120 GRT NK	66120 GRTGV	66120 GRTGV NK	6.00x6.00x120.00	152x152x3048	35
8812 GRT	8812 GRT NK	8812 GRTGV	8812 GRTGV NK	8.00x8.00x12.00	203x203x305	3
8818 GRT	8818 GRT NK	8818 GRTGV	8818 GRTGV NK	8.00x8.00x18.00	203x203x457	5
8824 GRT	8824 GRT NK	8824 GRTGV	8824 GRTGV NK	8.00x8.00x24.00	203x203x610	7
8836 GRT	8836 GRT NK	8836 GRTGV	8836 GRTGV NK	8.00x8.00x36.00	203x203x914	11
8848 GRT	8848 GRT NK	8848 GRTGV	8848 GRTGV NK	8.00x8.00x48.00	203x203x1219	15
8860 GRT	8860 GRT NK	8860 GRTGV	8860 GRTGV NK	8.00x8.00x60.00	203x203x1524	19
8872 GRT	8872 GRT NK	8872 GRTGV	8872 GRTGV NK	8.00x8.00x72.00	203x203x1829	23
-	8896 GRT NK	-	8896 GRTGV NK	8.00x8.00x96.00	203x203x2438	-
-	88120 GRT NK	-	88120 GRTGV NK	8.00x8.00x120.00	203x203x3048	-
-	101024 GRT NK	-	101024 GRTGV NK	10.00x10.00x24.00	254x254x610	-
-	101036 GRT NK	-	101036 GRTGV NK	10.00x10.00x36.00	254x254x914	-
-	101048 GRT NK	-	101048 GRTGV NK	10.00x10.00x48.00	254x254x1219	-
-	101060 GRT NK	-	101060 GRTGV NK	10.00x10.00x60.00	254x254x1524	-
-	101072 GRT NK	-	101072 GRTGV NK	10.00x10.00x72.00	254x254x1829	-
-	101096 GRT NK	-	101096 GRTGV NK	10.00x10.00x96.00	254x254x2438	-
-	1010120 GRT NK	-	1010120 GRTGV NK	10.00x10.00x120.00	254x254x3048	-
-	121224 GRT NK	-	121224 GRTGV NK	12.00x12.00x24.00	305x305x610	-
-	121236 GRT NK	-	121236 GRTGV NK	12.00x12.00x36.00	305x305x914	-
-	121248 GRT NK	-	121248 GRTGV NK	12.00x12.00x48.00	305x305x1219	-
-	121260 GRT NK	-	121260 GRTGV NK	12.00x12.00x60.00	305x305x1524	-
-	121272 GRT NK	-	121272 GRTGV NK	12.00x12.00x72.00	305x305x1829	-
-	121296 GRT NK	-	121296 GRTGV NK	12.00x12.00x96.00	305x305x2438	-
-	1212120 GRT NK	-	1212120 GRTGV NK	12.00x12.00x120.00	305x305x3048	-

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed, unless noted (see table)
- CSA C22.2 No. 26 certified, unless noted (see table)
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP54

Accessories

- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from (14) gauge steel
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway and fitting body with heavy-duty butt hinges and quick-release latches
- Covers have a fixed, oil-resistant gasket
- An oil-resistant gasket is provided for installation between flanges
- All covers and sealing plates can be hinged completely open or removed to allow for continuous “lay-in” cable feed
- All straight sections and fittings are furnished with sealing plate kits (see pages 31-35)

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated with a yellow chromate finish

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 12 Lay-In Wireway

Catalog Number

Description	B-Line Catalog Number				
	2.50 x 2.50 (64 x 64)	4.00 x 4.00 (102 x102)	6.00 x 6.00 (152 x 152)	8.00 x 8.00 (203 x 203)	12.00 x 6.00 (305 x 152)
4.00" Straight Section	2204-12LW	4404-12LW	6604-12LW	8804-12LW	12604-12LW
6.00" Straight Section	2206-12LW	4406-12LW	6606-12LW	8806-12LW	12606-12LW
12.00" Straight Section	2212-12LW	4412-12LW	6612-12LW	8812-12LW	12612-12LW
24.00" Straight Section	2224-12LW	4424-12LW	6624-12LW	8824-12LW	12624-12LW
36.00" Straight Section	2236-12LW	4436-12LW	6636-12LW	8836-12LW	12636-12LW
48.00" Straight Section	2248-12LW	4448-12LW	6648-12LW	8848-12LW	12648-12LW
60.00" Straight Section	2260-12LW	4460-12LW	6660-12LW	8860-12LW	12660-12LW
120.00" Straight Section	22120-12LW	44120-12LW	66120-12LW	88120-12LW	126120-12LW
12" Transposition Wireway, CW	22-12LTSC	44-12LTSC	66-12LTSC	88-12LTSC	-
12" Transposition Wireway, CCW	22-12LTSCC	44-12LTSCC	66-12LTSCC	88-12LTSCC	-
Telescopic Fitting, Lay-In	22-12LTF*	44-12LTF*	66-12LTF*	88-12LTF*	126-12LTF*
Cut-Off Fitting, Lay-In	22-12LCF	44-12LCF	66-12LCF	88-12LCF	126-12LCF
1" Nipple	22-12LN1	44-12LN1	66-12LN1	88-12LN1	126-12LN1
2" Nipple	22-12LN2	44-12LN2	66-12LN2	88-12LN2	126-12LN2
3" Nipple	22-12LN3	44-12LN3	66-12LN3	88-12LN3	126-12LN3
90˚ Elbow, Top Open	22-12LE9A	44-12LE9A	66-12LE9A	88-12LE9A	126-12LE9A
90˚ Elbow, Inside Open	22-12LE9B	44-12LE9B	66-12LE9B	88-12LE9B	126-12LE9B
90˚ Elbow, Outside Open	22-12LE9C	44-12LE9C	66-12LE9C	88-12LE9C	126-12LE9C
90˚ Elbow, Outside-Top Open	22-12LE9AC	44-12LE9AC	66-12LE9AC	88-12LE9AC	-
90˚ Transposition Elbow, CW	22-12LE9TC	44-12LE9TC	66-12LE9TC	88-12LE9TC	-
90˚ Transposition Elbow, CCW	22-12LE9TCC	44-12LE9TCC	66-12LE9TCC	88-12LE9TCC	-
45˚ Elbow, Top Open	22-12LE45A	44-12LE45A	66-12LE45A	88-12LE45A	126-12LE45A
45˚ Elbow, Inside Open	22-12LE45B	44-12LE45B	66-12LE45B	88-12LE45B	126-12LE45B
45˚ Elbow, Outside Open	22-12LE45C	44-12LE45C	66-12LE45C	88-12LE45C	126-12LE45C
15˚ Elbow, Top Open	22-12LE15A	44-12LE15A	66-12LE15A	88-12LE15A	126-12LE15A
Tee, Top Open	22-12LTA	44-12LTA	66-12LTA	88-12LTA	126-12LTA
Tee, Outside Open	22-12LTC	44-12LTC	66-12LTC	88-12LTC	-
Cross, Top Open	22-12LC	44-12LC	66-12LC	88-12LC	126-12LC
Reducer 4x4 - 2.5x2.5	-	4422-12LR	-	-	-
Reducer 6x6 - 4x4	-	-	6644-12LR	-	-
Reducer 8x8 - 6x6	-	-	-	8866-12LR	-
Reducer 12x6 - 4x4	-	-	-	-	12644-12LR
Reducer 12x6 - 6x6	-	-	-	-	12666-12LR
Sealing Plate	22-12LSP	44-12LSP	66-12LSP	88-12LSP	126-12LSP
Box Connector	22-12LBC	44-12LBC	66-12LBC	88-12LBC	126-12LBC
Closure Plate	22-12LCP	44-12LCP	66-12LCP	88-12LCP	126-12LCP
Hanger, Drop	22-12LDH	44-12LDH	66-12LDH	88-12LDH	-
Hanger, Bracket	22-12LBH	44-12LBH	66-12LBH	88-12LBH	-
Junction Box	22-12LJB	44-12LJB	66-12LJB	88-12LJB	-
Barrier Kit, 60" Bolt-On	22-12BK*	44-12BK*	66-12BK*	88-12BK*	66-12BK*
Adapter, Lay-In to Feed Through	-	44-12LAFW	66-12LAFW	88-12LAFW	-
Adapter, for Hoffman®1 or Wiegmann®2	22-12LAHW	44-12LAHW	66-12LAHW	88-12LAHW	126-12LAHW
Adapter, for Square D®3	22-12LASD	44-12LASD	66-12LASD	88-12LASD	1212-12LASD
Adapter, for Robroy®4 or Rittal®5	22-12LARR	44-12LARR	66-12LARR	88-12LARR	126-12LARR
Adapter, for Hammond Mfg.™6	22-12LAHM	44-12LAHM	66-12LAHM	88-12LAHM	126-12LAHM

* Not UL or CSA listed fitting.

All dimensions are in inches.

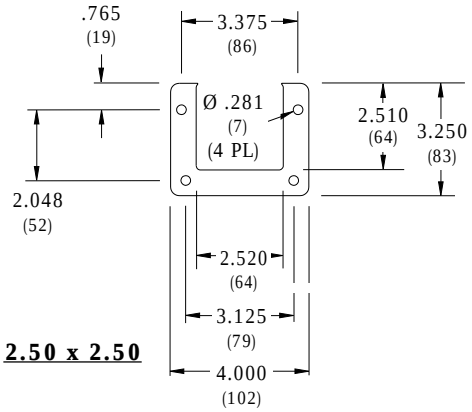
DISCONTINUED PARTS	REPLACEMENT PARTS
Cut-Off Fitting, Non Lay-In	Cut-Off Fitting, Lay-In
6" Nipple	6" Straight Section
Sealing Plate, 90˚ Angle	Sealing Plate

1. HOFFMAN® is the registered trademark of Hoffman Engineering Company, Anoka, Minnesota.
2. WIEGMANN® is the registered trademark of Hubbell Incorporated, Orange, Connecticut.
3. SQUARE D® is the registered trademark of Square D Company, Palatine, Illinois.
4. ROBROY® is the registered trademark of Robroy Industries, Verona, Pennsylvania.
5. RITTAL® is the registered trademark of Rittal Corporation, Springfield, Ohio.
6. HAMMOND MANUFACTURING™ is the trademark of Hammond Manufacturing Company, Limited, Guelph, Ontario Canada.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

Illustration Sheet



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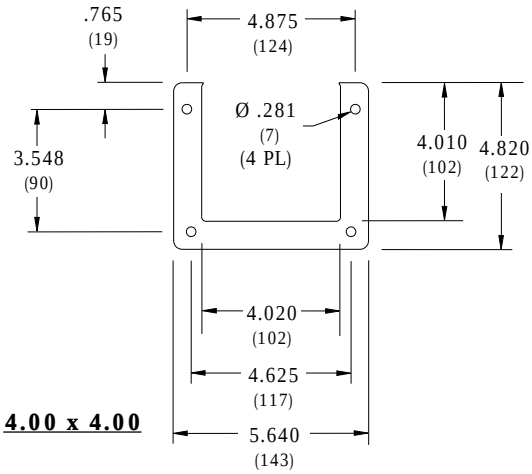

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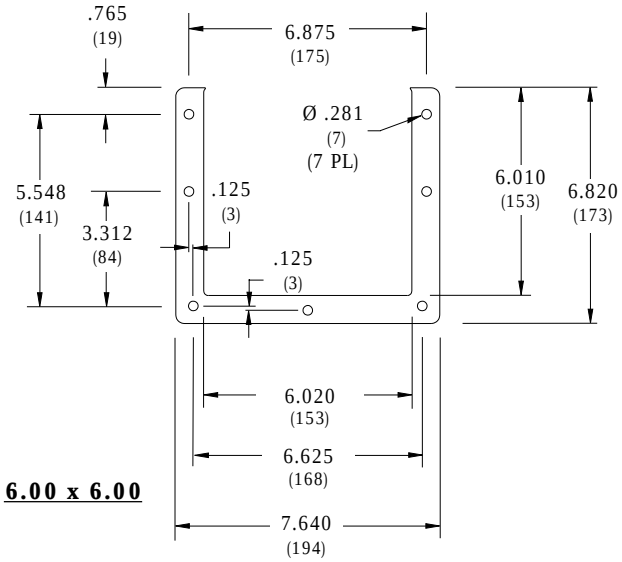
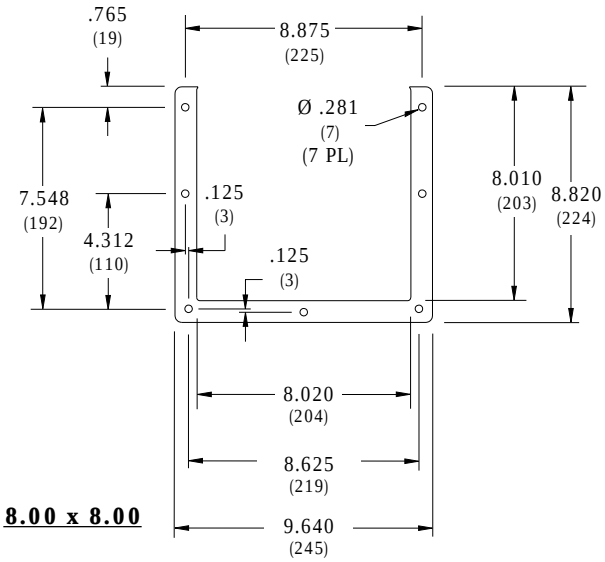
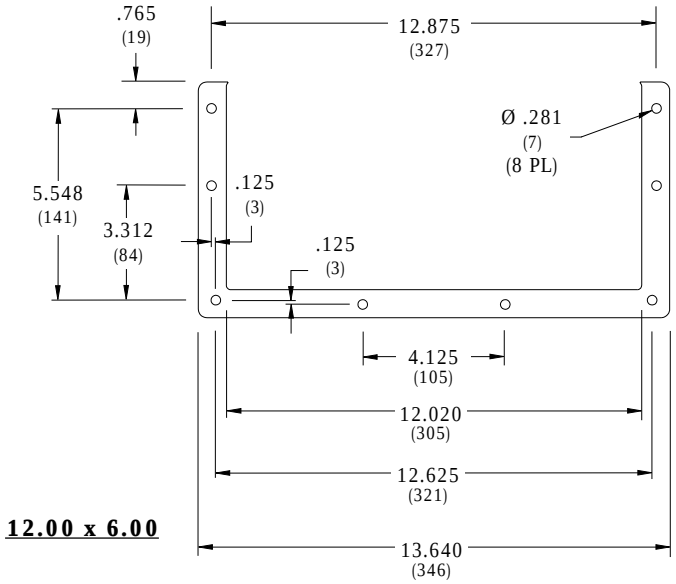


6.00 x 6.00



8.00 x 8.00



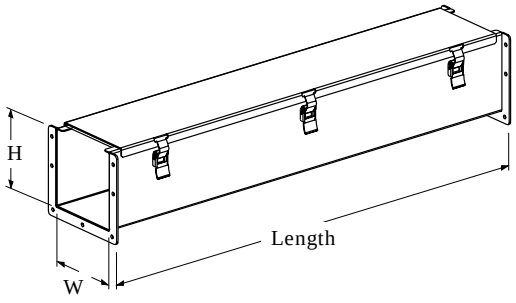
12.00 x 6.00

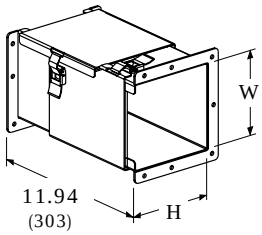
Flange Detail

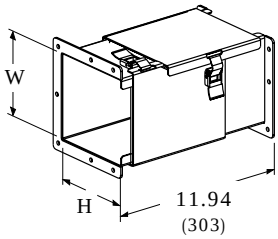
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

Illustration Sheet







Straight Section

• includes (1) sealing plate kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22(*)-12LW	2.5x2.5	2.50	64	2.50	64
44(*)-12LW	4x4	4.00	102	4.00	102
66(*)-12LW	6x6	6.00	152	6.00	152
88(*)-12LW	8x8	8.00	203	8.00	203
126(*)-12LW	12x6	6.00	152	12.00	305

Length	
in.	mm
3.94	100
5.94	151
11.94	303
23.94	608
35.94	913
47.94	1218
59.94	1522
119.94	3046

(*) Insert for length **04**=3.94", **06**=5.94", **12**=11.94", **24**=23.94", **36**=35.94", **48**=47.94", **60**=59.94", **120**=119.94".

Transposition Wireway Sections

Clockwise (C)

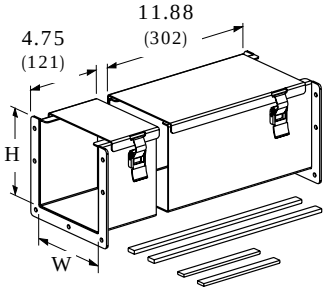
• includes (1) sealing plate kit

Counterclockwise (CC)

• includes (1) sealing plate kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LTS(*)	2.5x2.5	2.50	64	2.50	64
44-12LTS(*)	4x4	4.00	102	4.00	102
66-12LTS(*)	6x6	6.00	152	6.00	152
88-12LTS(*)	8x8	8.00	203	8.00	203

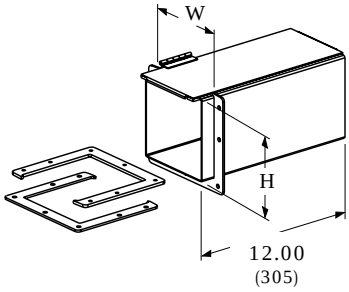
(*) Insert **C** for Clockwise
Insert **CC** for Counterclockwise



Telescopic Fitting, Lay-In

• adjustable length from 1" to 7"
• includes hardware

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LTF	2.5x2.5	2.32	59	2.32	59
44-12LTF	4x4	3.82	97	3.82	97
66-12LTF	6x6	5.82	148	5.82	148
88-12LTF	8x8	7.82	199	7.82	199
126-12LTF	12x6	5.82	148	11.82	300



Cut-Off Fitting, Lay-In

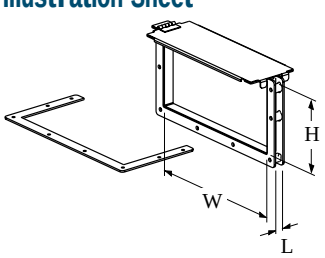
• includes (1) sealing plate kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LCF	2.5x2.5	2.50	64	2.50	64
44-12LCF	4x4	4.00	102	4.00	102
66-12LCF	6x6	6.00	152	6.00	152
88-12LCF	8x8	8.00	203	8.00	203
126-12LCF	12x6	6.00	152	12.00	305

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

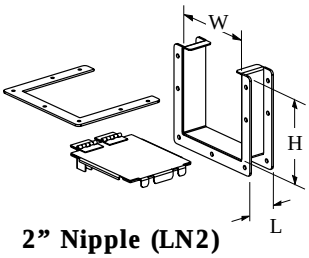
NEMA 12 Lay-In Wireway

Illustration Sheet



1” Nipple (LN1)

• includes hardware

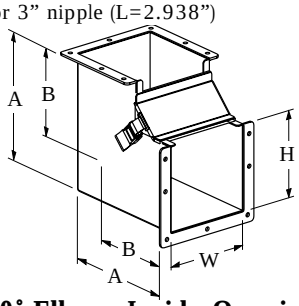


2” Nipple (LN2)
3” Nipple (LN3)

• includes hardware

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LN(*)	2.5x2.5	2.50	64	2.50	64
44-12LN(*)	4x4	4.00	102	4.00	102
66-12LN(*)	6x6	6.00	152	6.00	152
88-12LN(*)	8x8	8.00	203	8.00	203
126-12LN(*)	12x6	6.00	152	12.00	305

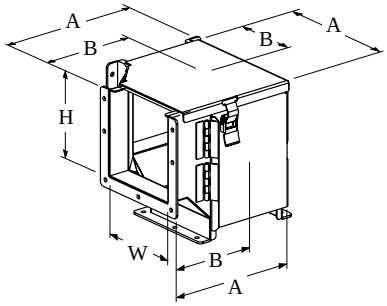
(*) Insert **1** for 1” nipple (L=.938”)
Insert **2** for 2” nipple (L=1.938”)
Insert **3** for 3” nipple (L=2.938”)



90˚ Elbow, Inside Opening

• includes (1) sealing plate kit

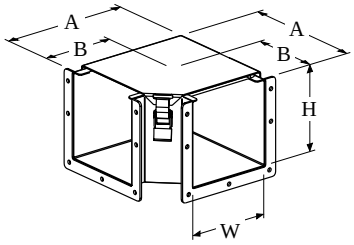
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9B	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9B	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9B	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9B	8x8	8.00	203	8.00	203	11.44	291	7.44	189
126-12LE9B	12x6	6.00	152	12.00	305	9.44	240	6.44	164



90˚ Elbow, Outside-Top Opening

• includes (2) sealing plate kits

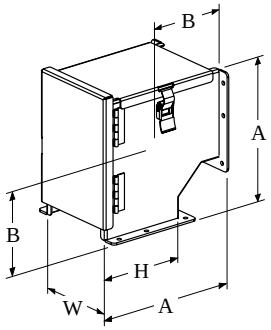
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9AC	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9AC	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9AC	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9AC	8x8	8.00	203	8.00	203	11.44	291	7.44	189



90˚ Elbow, Top Opening

• includes (1) sealing plate kit

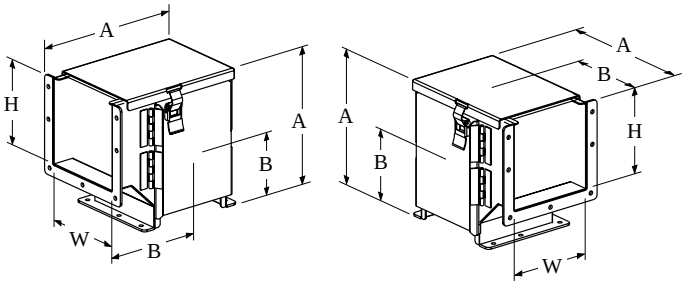
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9A	2.5x2.5	2.50	64	2.50	64	5.25	133	4.00	102
44-12LE9A	4x4	4.00	102	4.00	102	6.75	171	4.75	121
66-12LE9A	6x6	6.00	152	6.00	152	8.75	222	5.75	146
88-12LE9A	8x8	8.00	203	8.00	203	10.75	273	6.75	171
126-12LE9A	12x6	6.00	152	12.00	305	14.75	375	8.75	222



90˚ Elbow, Outside Opening

• includes (1) sealing plate kit

Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9C	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9C	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9C	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9C	8x8	8.00	203	8.00	203	11.44	291	7.44	189
126-12LE9C	12x6	6.00	152	12.00	305	9.44	240	6.44	164



90˚ Transposition Elbows

Clockwise (C)

• includes (1) sealing plate kit

Counterclockwise (CC)

• includes (1) sealing plate kit

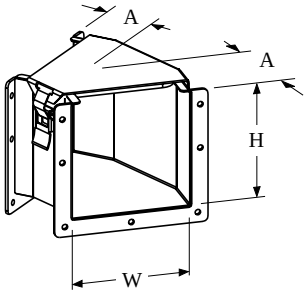
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9T(*)	2.5x2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9T(*)	4x4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9T(*)	6x6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9T(*)	8x8	8.00	203	8.00	203	11.44	291	7.44	189

(*) Insert **C** for Clockwise, Insert **CC** for Counterclockwise

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

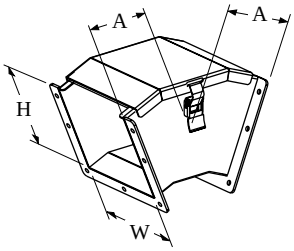
Illustration Sheet



45˚ Elbow, Top Opening

• includes (1) sealing plate kit

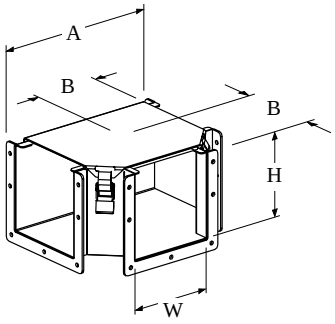
Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45A	2.5x2.5	2.50	64	2.50	64	3.12	79
44-12LE45A	4x4	4.00	102	4.00	102	3.70	94
66-12LE45A	6x6	6.00	152	6.00	152	4.46	113
88-12LE45A	8x8	8.00	203	8.00	203	5.23	133
126-12LE45A	12x6	6.00	152	12.00	305	6.76	172



45˚ Elbow, Outside Opening

• includes (1) sealing plate kit

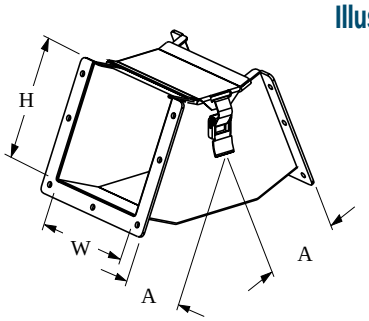
Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45C	2.5x2.5	2.50	64	2.50	64	2.65	67
44-12LE45C	4x4	4.00	102	4.00	102	3.51	89
66-12LE45C	6x6	6.00	152	6.00	152	3.91	99
88-12LE45C	8x8	8.00	203	8.00	203	4.24	108
126-12LE45C	12x6	6.00	152	12.00	305	3.91	89



Tee, Top Opening

• includes (2) sealing plate kits

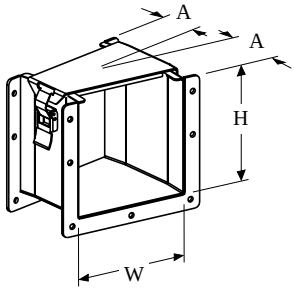
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LTA	2.5x2.5	2.50	64	2.50	64	8.00	203	4.00	102
44-12LTA	4x4	4.00	102	4.00	102	9.50	241	4.75	121
66-12LTA	6x6	6.00	152	6.00	152	11.50	292	5.75	146
88-12LTA	8x8	8.00	203	8.00	203	13.50	343	6.75	171
126-12LTA	12x6	6.00	152	12.00	305	17.50	445	8.75	222



45˚ Elbow, Inside Opening

• includes (1) sealing plate kit

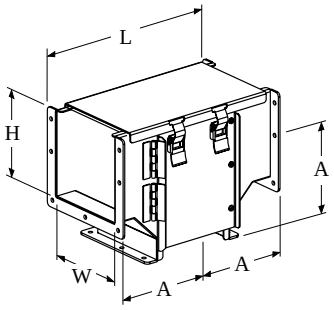
Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45B	2.5x2.5	2.50	64	2.50	64	3.70	94
44-12LE45B	4x4	4.00	102	4.00	102	4.28	109
66-12LE45B	6x6	6.00	152	6.00	152	5.04	128
88-12LE45B	8x8	8.00	203	8.00	203	5.81	148
126-12LE45B	12x6	6.00	152	12.00	305	5.04	128



15˚ Elbow, Top Opening

• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE15A	2.5x2.5	2.50	64	2.50	64	2.57	65
44-12LE15A	4x4	4.00	102	4.00	102	2.77	70
66-12LE15A	6x6	6.00	152	6.00	152	3.03	77
88-12LE15A	8x8	8.00	203	8.00	203	3.29	84
126-12LE15A	12x6	6.00	152	12.00	305	3.81	97



Tee, Outside Opening

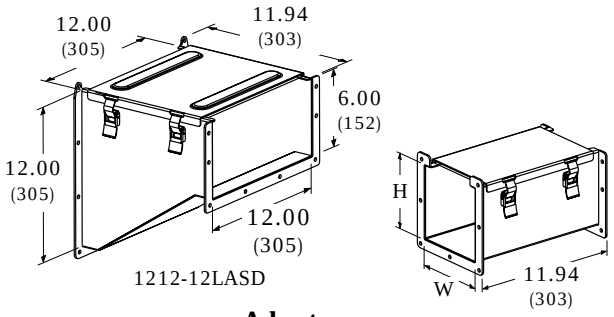
• includes (2) sealing plate kits

Catalog Number	Size	H		W		A		L	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LTC	2.5x2.5	2.50	64	2.50	64	4.69	119	9.38	238
44-12LTC	4x4	4.00	102	4.00	102	5.44	138	10.88	264
66-12LTC	6x6	6.00	152	6.00	152	6.44	164	12.88	314
88-12LTC	8x8	8.00	203	8.00	203	7.44	189	14.88	365

Notes: Dimension are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

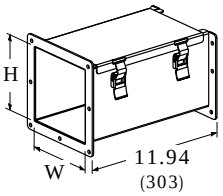
Illustration Sheet



Adapters

• includes (2) sealing plate kits

Catalog Number	Size	Competitor	H		W	
			in.	mm	in.	mm
22-12LAHW	2.5x2.5	Hoffman®[1] or Wiegmann®[2]	2.50	64	2.50	64
44-12LAHW	4x4		4.00	102	4.00	102
66-12LAHW	6x6		6.00	152	6.00	152
88-12LAHW	8x8		8.00	203	8.00	203
126-12LAHW	12x6		6.00	152	12.00	305
22-12LASD	2.5x2.5	Square D®[3]	2.50	64	2.50	64
44-12LASD	4x4		4.00	102	4.00	102
66-12LASD	6x6		6.00	152	6.00	152
88-12LASD	8x8		8.00	203	8.00	203
1212-12LASD	12x12-12x6		---	---	---	---
22-12LARR	2.5x2.5	Robroy®[4] or Rittal®[5]	2.50	64	2.50	64
44-12LARR	4x4		4.00	102	4.00	102
66-12LARR	6x6		6.00	152	6.00	152
88-12LARR	8x8		8.00	203	8.00	203
126-12LARR	12x6		6.00	152	12.00	305
22-12LAHM	2.5x2.5	Hammond Mfg.™[6]	2.50	64	2.50	64
44-12LAHM	4x4		4.00	102	4.00	102
66-12LAHM	6x6		6.00	152	6.00	152
88-12LAHM	8x8		8.00	203	8.00	203
126-12LAHM	12x6		6.00	152	12.00	305

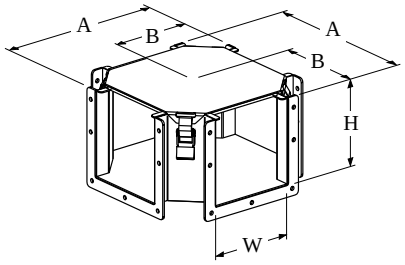


Lay-In to Feed Through Adapter

• includes (1) sealing plate kit and (1) gasket kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-12LAFW	4X4	4.00	102	4.00	102
66-12LAFW	6X6	6.00	152	6.00	152
88-12LAFW	8X8	8.00	203	8.00	203

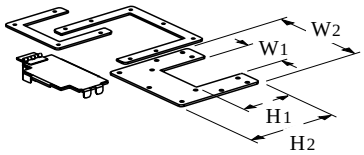
1. HOFFMAN® is the registered trademark of Hoffman Engineering Company, Anoka, Minnesota.
2. WIEGMANN® is the registered trademark of Hubbell Incorporated, Orange, Connecticut.
3. SQUARE D® is the registered trademark of Square D Company, Palatine, Illinois.
4. ROBROY® is the registered trademark of Robroy Industries, Verona, Pennsylvania.
5. RITTAL® is the registered trademark of Rittal Corporation, Springfield, Ohio.
6. HAMMOND MANUFACTURING™ is the trademark of Hammond Manufacturing Company, Limited, Guelph, Ontario Canada.



Cross, Top Opening

• includes (3) sealing plate kits

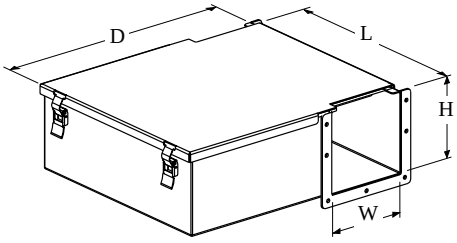
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LC	2.5x2.5	2.50	64	2.50	64	8.00	203	4.00	102
44-12LC	4x4	4.00	102	4.00	102	9.50	241	4.75	121
66-12LC	6x6	6.00	152	6.00	152	11.50	292	5.75	146
88-12LC	8x8	8.00	203	8.00	203	13.50	343	6.75	171
126-12LC	12x6	6.00	152	12.00	152	17.50	445	8.75	222



Reducer

• includes hardware

Catalog Number	Size	H1		H2		W1		W2	
		in.	mm	in.	mm	in.	mm	in.	mm
4422-12LR	4x4 to 2.5x2.5	2.44	62	4.82	122	2.38	60	5.64	143
6644-12LR	6x6 to 4x4	3.94	100	6.82	173	3.88	99	7.64	194
8866-12LR	8x8 to 6x6	5.94	151	8.82	224	5.88	149	9.64	245
12644-12LR	12x6 to 4x4	3.94	100	6.82	173	3.88	99	13.64	346
12666-12LR	12x6 to 6x6	5.94	151	6.82	173	5.88	149	13.64	346



Junction Box

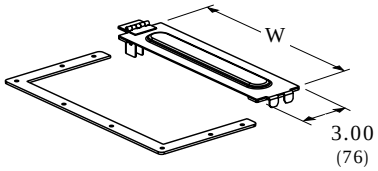
• includes (1) junction box sealing plate kit and (1) of the following removable panels:
22-12LJB = AW108P
44LJB = AW1210P
66LJB = AW1412P
88LJB = AW1614P

Catalog Number	Size	H		W		L		D	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LJB	2.5x2.5	2.50	64	2.50	64	11.59	294	10.25	260
44-12LJB	4x4	4.00	102	4.00	102	13.59	345	14.00	356
66-12LJB	6x6	6.00	152	6.00	152	15.59	396	18.00	457
88-12LJB	8x8	8.00	203	8.00	203	17.59	447	22.00	559

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lay-In Wireway

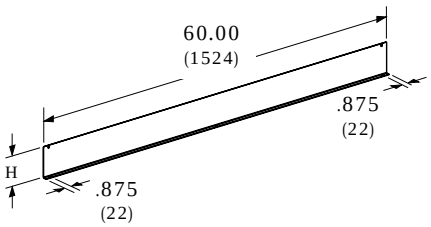
Illustration Sheet



Sealing Plate, Flat

• includes hardware

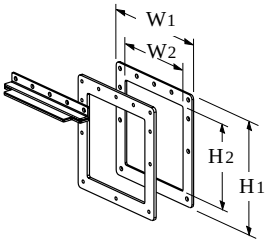
Catalog Number	Size	W	
		in.	mm
22-12LSP	2.5x2.5	2.50	64
44-12LSP	4x4	4.00	102
66-12LSP	6x6	6.00	152
88-12LSP	8x8	8.00	203
126-12LSP	12x6	12.00	305



Barrier, Bolt-On

•includes hardware

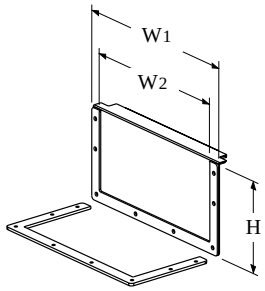
Catalog Number	Size	H	
		in.	mm
22-12BK	2.5x2.5	1.88	48
44-12BK	4x4	3.00	76
66-12BK	6x6	4.50	114
88-12BK	8x8	6.00	152
66-12BK	12x6	4.50	114



Box Connector

• includes hardware

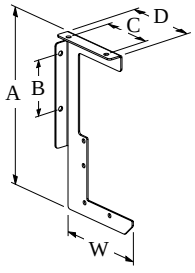
Catalog Number	Size	H1		H2		W1		W2	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LBC	2.5x2.5	4.10	104	2.35	60	4.10	104	2.35	60
44-12LBC	4x4	5.74	146	3.85	72	5.74	146	3.85	72
66-12LBC	6x6	7.74	197	5.85	123	7.74	197	5.85	123
88-12LBC	8x8	9.74	247	7.85	174	9.74	247	7.85	174
126-12LBC	12x6	7.74	197	5.85	123	13.74	197	11.85	301



Closure Plate

• includes hardware

Catalog Number	Size	H		W1		W2	
		in.	mm	in.	mm	in.	mm
22-12LCP	2.5x2.5	2.50	64	4.00	102	2.50	64
44-12LCP	4x4	4.00	102	5.64	143	4.00	102
66-12LCP	6x6	6.00	152	7.64	194	6.00	152
88-12LCP	8x8	8.00	203	9.64	245	8.00	203
126-12LCP	12x6	6.00	152	13.64	346	12.00	305

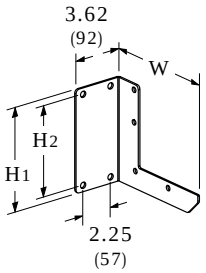


Drop

Catalog Number	Size	W		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
22-12LDH	2.5x2.5	4.50	114	8.75	222	1.50	38	1.50	38	3.50	89
44-12LDH	4x4	6.00	152	11.75	298	3.00	76	3.00	76	5.00	127
66-12LDH	6x6	8.50	216	16.00	406	5.00	127	5.00	127	7.00	178
88-12LDH	8x8	10.50	267	20.00	508	7.00	178	7.00	178	9.00	229

Wireway Hangers

• includes wireway to bracket mounting hardware
• anchors not included



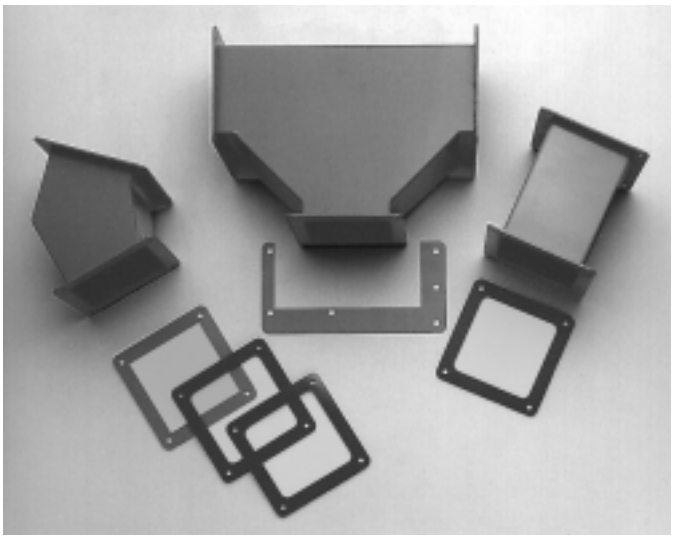
Bracket

Catalog Number	Size	H1		H2		W	
		in.	mm	in.	mm	in.	mm
22-12LBH	2.5x2.5	3.38	86	2.50	64	4.38	111
44-12LBH	4x4	4.88	124	4.00	102	5.88	149
66-12LBH	6x6	7.13	181	6.25	159	8.13	207
88-12LBH	8x8	9.13	232	8.25	210	10.13	257

Notes: Dimension are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Feed-Through Wireway

Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed, unless noted, (see table)
- CSA C22.2 No. 26 certified, unless noted, (see table)
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP54

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated with a yellow chromate finish

Construction

- Wireway body and cover are fabricated from (14) gauge steel
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway body with heavy-duty hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Continuous flanged ends assure rigid connections of wireway and fittings
- Covers have a fixed, oil-resistant gasket
- An oil-resistant gasket is provided for installation between flanges

Accessories

- Touch-up paint
- See Accessories section

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 12 Feed-Through Wireway

Catalog Number

Description	Catalog Number		
	4.00 x 4.00 (102 x 102)	**6.00 x 6.00** (152 x 152)	**8.00 x 8.00** (203 x 203)
12" Wireway Section	**4412-12FW**	**6612-12FW**	**8812-12FW**
24" Wireway Section	**4424-12FW**	**6624-12FW**	**8824-12FW**
36" Wireway Section	**4436-12FW**	**6636-12FW**	**8836-12FW**
48" Wireway Section	**4448-12FW**	**6648-12FW**	**8848-12FW**
60" Wireway Section	**4460-12FW**	**6660-12FW**	**8860-12FW**
120" Wireway Section	**44120-12FW**	**66120-12FW**	**88120-12FW**
Telescopic Fitting	**44-12FTF***	**66-12FTF***	**88-12FTF***
Cut-Off Fitting	**44-12FCF**	**66-12FCF**	**88-12FCF**
1" Nipple	**44-12FN1**	**66-12FN1**	**88-12FN1**
2" Nipple	**44-12FN2**	**66-12FN2**	**88-12FN2**
3" Nipple	**44-12FN3**	**66-12FN3**	**88-12FN3**
6" Nipple	**44-12FN6**	**66-12FN6**	**88-12FN6**
90˚ Elbow	**44-12FE9**	**66-12FE9**	**88-12FE9**
45˚ Elbow	**44-12FE45**	**66-12FE45**	**88-12FE45**
Tee	**44-12FT**	**66-12FT**	**88-12FT**
Cross	**44-12FC**	**66-12FC**	**88-12FC**
Flexible Fitting	**44-12FFF**	**66-12FFF**	**88-12FFF**
Reducer Center 6x6 - 4x4	-	**6644-12FRC**	-
Reducer Edge 6x6 - 4x4	-	**6644-12FRE**	-
Reducer Center 8x8 - 6x6	-	-	**8866-12FRC**
Reducer Edge 8x8 - 6x6	-	-	**8866-12FRE**
Gasket Kit	**44-12FGK**	**66-12FGK**	**88-12FGK**
Box Connector	**44-12FBC**	**66-12FBC**	**88-12FBC**
Closure Plate	**44-12FCP**	**66-12FCP**	**88-12FCP**
Hanger, Drop	**44-12DH**	**66-12DH**	**88-12DH**
Hanger, Bracket	**44-12BH**	**66-12BH**	**88-12BH**
Barrier Kit, 60" Bolt-On	**44-12BK***	**66-12BK***	**88-12BK***

* Not UL or CSA listed fitting

Dimensions

A		B		C		D		E		G		H	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
4.00	102	4.00	102	12,24,36,48,60,120	305,610,914,1219,1524,3048	5.50	140	5.50	140	12.00	305	6.00	152
6.00	152	6.00	152	12,24,36,48,60,120	305,610,914,1219,1524,3048	7.75	197	7.75	197	14.00	356	7.00	178
8.00	203	8.00	203	12,24,36,48,60,120	305,610,914,1219,1524,3048	9.75	248	9.75	248	16.00	406	8.00	203

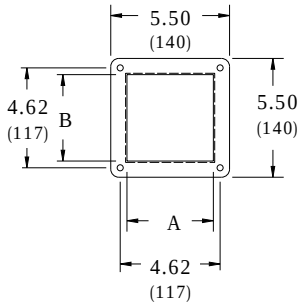
Dimensions

J		K		M		N		P		R		S		T		U	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2.50	64	6.00	152	-	-	-	-	6.25	159	3.62	92	12.00	305	6.00	152	6.00	152
2.93	74	7.00	178	4.00	102	4.00	102	8.50	216	3.62	92	16.00	406	8.25	210	8.00	203
3.31	84	8.00	203	6.00	152	6.00	152	10.50	267	3.62	92	20.75	527	12.25	311	11.37	289

Notes: H, J & K dimensions are from intersections of center lines. All dimensions are to inside surfaces. Allow .12" (3 mm) for flange gasket when joining pieces. Flange holes are .28" (7 mm) D. Flange radii are .37" (9 mm) R. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Feed-Through Wireway

Illustration Sheet



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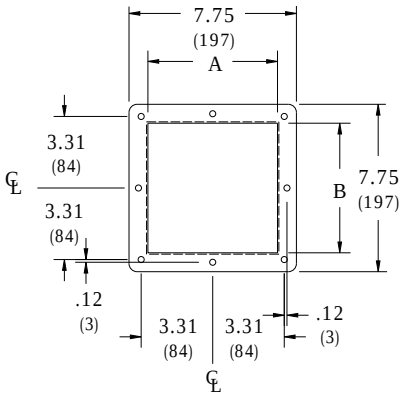
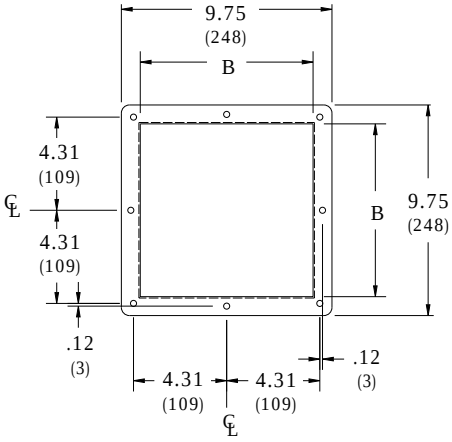
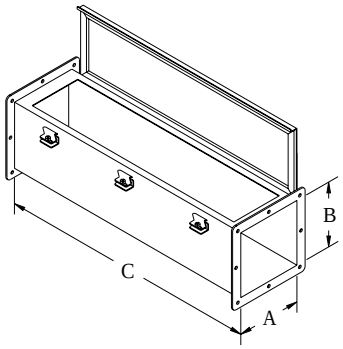


6.00 x 6.00

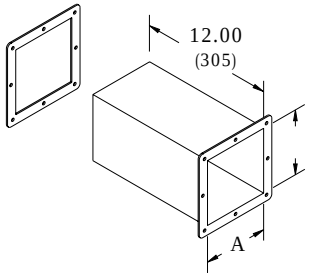


8.00 x 8.00

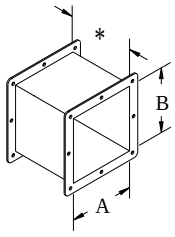
Flange Detail



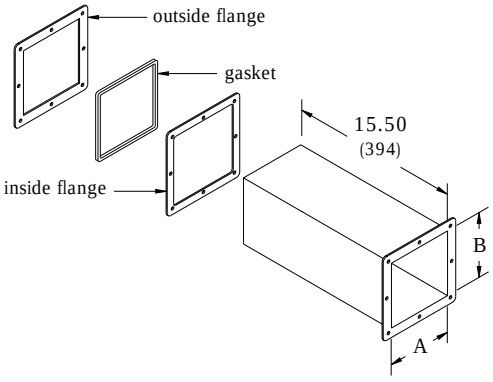
Wireway Section
• lengths from 12.00" (305 mm) to 120.00" (3048 mm)



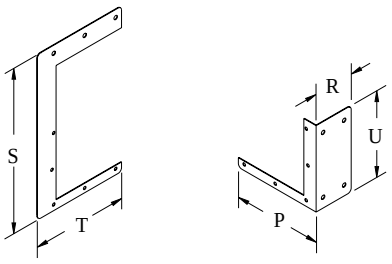
Cut-Off Fitting
• length up to 12.00" (305 mm)



Nipple
* lengths from 1.00" (25 mm) to 6.00" (152 mm)



Telescopic Fitting
• adjustable lengths from 1.50" (38 mm) to 13.50" (343 mm)



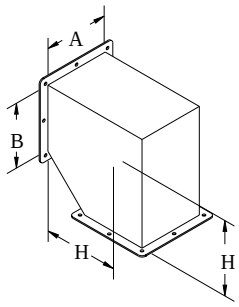
Wireway Hangers

Drop **Bracket**

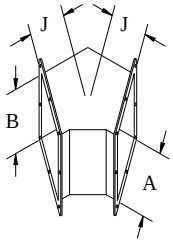
Note: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Feed-Through Wireway

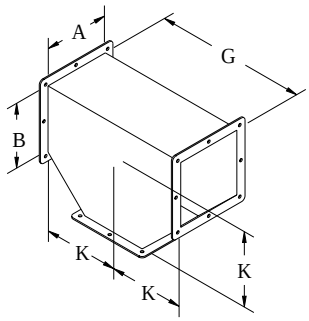
Illustration Sheet



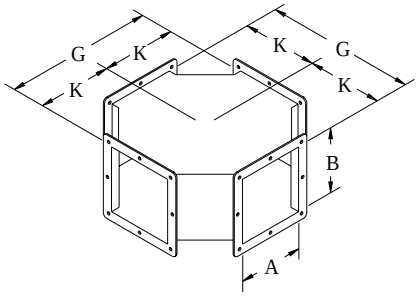
90˚ Elbow



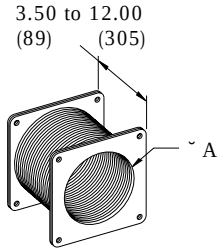
45˚ Elbow



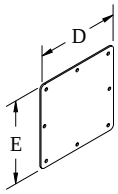
Tee



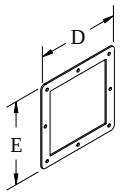
Cross



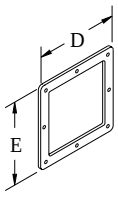
Flexible Fitting



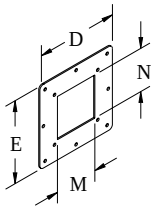
Closure Plate

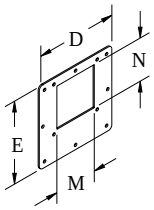


Box Connector



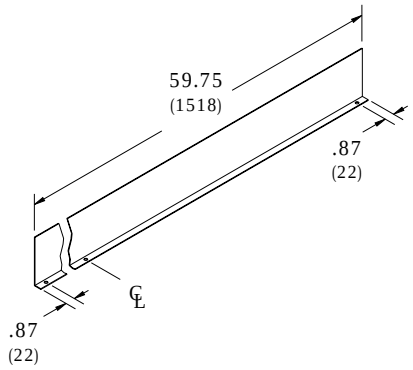
Gasket





Reducers

Center **Edge**

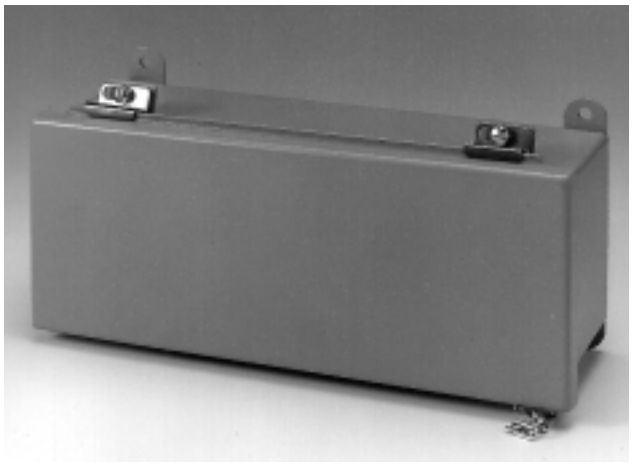


Barrier, Bolt-On

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 12 Lift-Off Cover Wiring Trough

Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed
- CSA C22.2 No. 26 certified
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP55

Construction

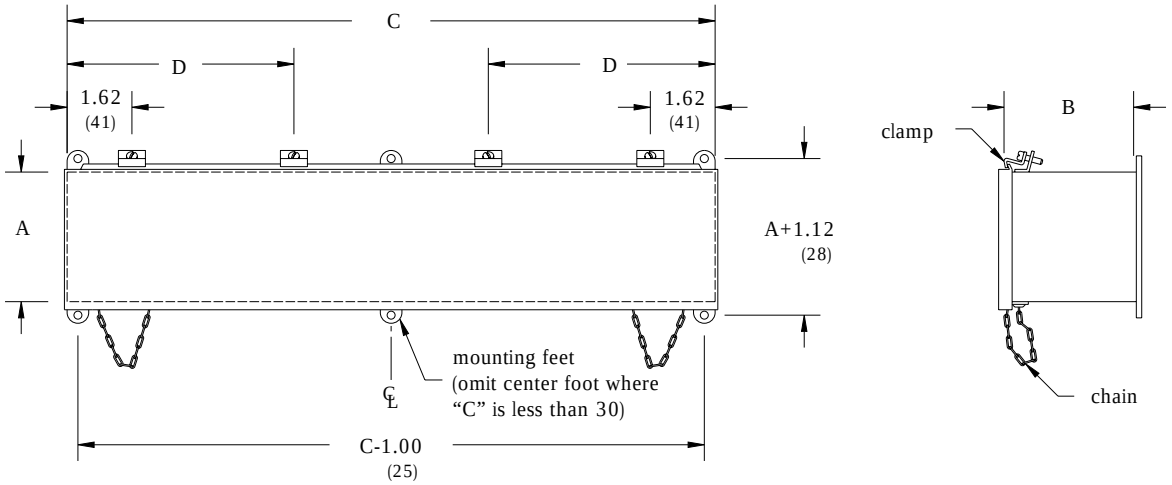
- Wireway body and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the wireway body with semi-hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Two chains hold cover to the body when screw clamps are released
- Covers have a fixed, oil-resistant gasket
- External mounting feet are provided for wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated with a yellow chromate finish

Accessories

- Touch-up paint
- See Accessories section

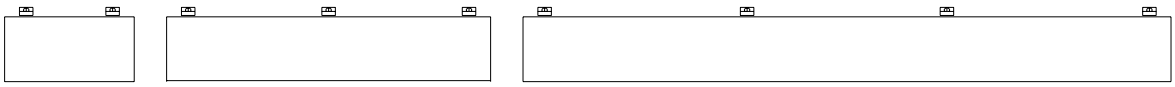


Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 12 Lift-Off Cover Wiring Trough

Catalog Number

Trough Catalog Number	Trough Size Width Depth Length A x B x C in.	mm	D in.	D mm
4412-12WT	4.00x4.00x12.00	102x102x305	-	-
4418-12WT	4.00x4.00x18.00	102x102x457	-	-
4424-12WT	4.00x4.00x24.00	102x102x610	-	-
4430-12WT	4.00x4.00x30.00	102x102x762	15.00	381
4436-12WT	4.00x4.00x36.00	102x102x914	18.00	457
4448-12WT	4.00x4.00x48.00	102x102x1219	24.00	610
4460-12WT	4.00x4.00x60.00	102x102x1524	20.25	514
4472-12WT	4.00x4.00x72.00	102x102x1829	24.25	616
6612-12WT	6.00x6.00x12.00	152x152x305	-	-
6618-12WT	6.00x6.00x18.00	152x152x457	-	-
6624-12WT	6.00x6.00x24.00	152x152x610	-	-
6636-12WT	6.00x6.00x36.00	152x152x914	18.00	457
6648-12WT	6.00x6.00x48.00	152x152x1219	24.00	610
6660-12WT	6.00x6.00x60.00	152x152x1524	20.25	514
6672-12WT	6.00x6.00x72.00	152x152x1829	24.25	616
8812-12WT	8.00x8.00x12.00	203x203x305	-	-
8824-12WT	8.00x8.00x24.00	203x203x610	-	-
8836-12WT	8.00x8.00x36.00	203x203x914	18.00	457
8848-12WT	8.00x8.00x48.00	203x203x1219	24.00	610
8860-12WT	8.00x8.00x60.00	203x203x1524	20.25	514
8872-12WT	8.00x8.00x72.00	203x203x1829	24.25	616



XX12-12WT
XX18-12WT
XX24-12WT

XX30-12WT
XX36-12WT
XX48-12WT

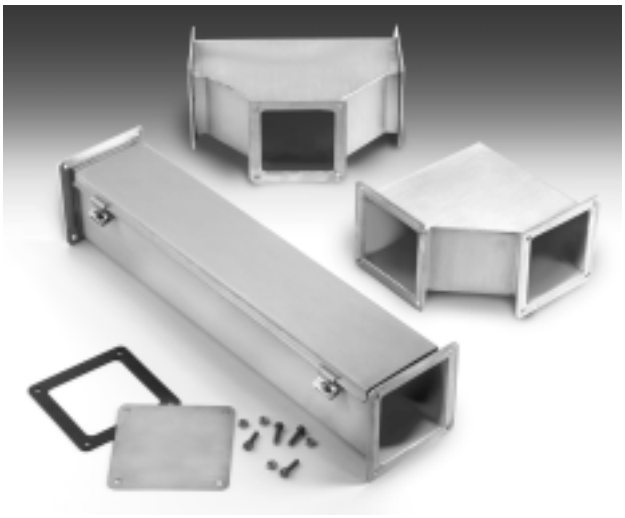
XX60-12WT
XX72-12WT

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Feed-Through Wireway

Data Sheet



Application

- Houses runs of control and power cables
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose-directed water

Standards

- UL 870 listed, unless noted, (see table)
- CSA C22.2 No. 26 certified, unless noted, (see table)
- Conforms to NEMA standard for Type 4X
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP55

Construction

- Wireway body and cover are fabricated from (14) gauge Type 304 stainless steel
- Flanges are (10) gauge stainless steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway body with heavy-duty hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Continuous flanged ends assure rigid connections of wireway and fittings
- Covers have a fixed, oil-resistant gasket
- An oil-resistant gasket is provided for installation between flanges

Finish

- Outer surface of wireway body and cover has a smooth brushed finish

Accessories

- Box connector
- Closure plate
- Barrier kit
- Bracket hanger
- Drop hanger

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

NEMA 4X Feed-Through Wireway

Catalog Number

Description	Catalog Number	
	4.00 x 4.00 (102 x 102)	**6.00 x 6.00** (152 x 152)
12” Wireway Section	**4412-4XSFW**	**6612-4XSFW**
24” Wireway Section	**4424-4XSFW**	**6624-4XSFW**
36” Wireway Section	**4436-4XSFW**	**6636-4XSFW**
48” Wireway Section	**4448-4XSFW**	**6648-4XSFW**
60” Wireway Section	**4460-4XSFW**	**6660-4XSFW**
120” Wireway Section	**44120-4XSFW**	**66120-4XSFW**
Telescopic Fitting	**44-4XSFTF***	**66-4XSFTF***
Cut-Off Fitting	**44-4XSFCF**	**66-4XSFCF**
1” Nipple	**44-4XSFN1**	**66-4XSFN1**
2” Nipple	**44-4XSFN2**	**66-4XSFN2**
3” Nipple	**44-4XSFN3**	**66-4XSFN3**
6” Nipple	**44-4XSFN6**	**66-4XSFN6**
90˚ Elbow	**44-4XSFE9**	**66-4XSFE9**
45˚ Elbow	**44-4XSFE45**	**66-4XSFE45**
Tee	**44-4XSFT**	**66-4XSFT**
Cross	**44-4XSFC**	**66-4XSFC**
Flexible Fitting	**44-4XSFFF**	**66-4XSFFF**
Reducer Center 6x6 - 4x4	**-**	**6644-4XSFRC**
Reducer Edge 6x6 - 4x4	**-**	**6644-4XSFRE**
Reducer Center 8x8 - 6x6	**-**	**-**
Reducer Edge 8x8 - 6x6	**-**	**-**
Gasket Kit	**44-4XSFGK**	**66-4XSFGK**
Box Connector	**44-4XSFBC**	**66-4XSFBC**
Closure Plate	**44-4XSFCP**	**66-4XSFCP**
Hanger, Drop	**44-4XSDH**	**66-4XSDH**
Hanger, Bracket	**44-4XSBH**	**66-4XSBH**
Barrier Kit, 60” Bolt-On	**44-12BK***	**66-12BK***

* Not UL or CSA listed fitting

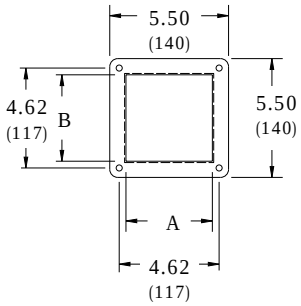
Dimensions													
A		**B**		**C**		**D**		**E**		**G**		**H**	
in.	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**
4.00	102	4.00	102	12,24,36,48,60,120	305,610,914,1219,1524,3048	5.50	140	5.50	140	12.00	305	6.00	152
6.00	152	6.00	152	12,24,36,48,60,120	305,610,914,1219,1524,3048	7.75	197	7.75	197	14.00	356	7.00	178

Dimensions																	
J		**K**		**M**		**N**		**P**		**R**		**S**		**T**		**U**	
in.	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**
2.50	64	6.00	152	-	-	-	-	6.25	159	3.62	92	12.00	305	6.00	152	6.00	152
2.93	74	7.00	178	4.00	102	4.00	102	8.50	216	3.62	92	16.00	406	8.25	210	8.00	203

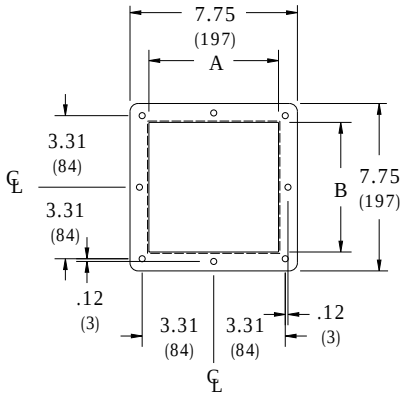
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Feed-Through Wireway

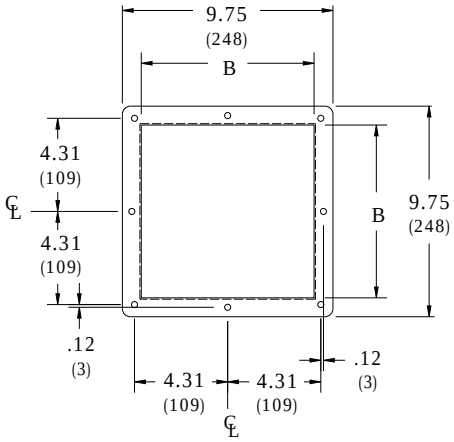
Illustration Sheet



4.00 x 4.00

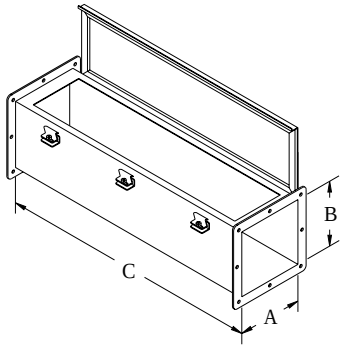


6.00 x 6.00

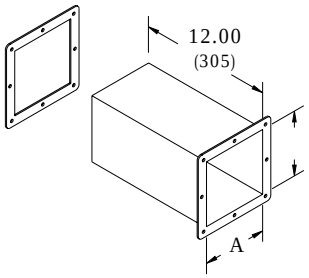


8.00 x 8.00

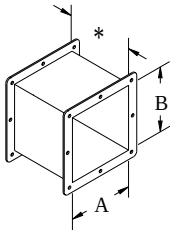
Flange Detail



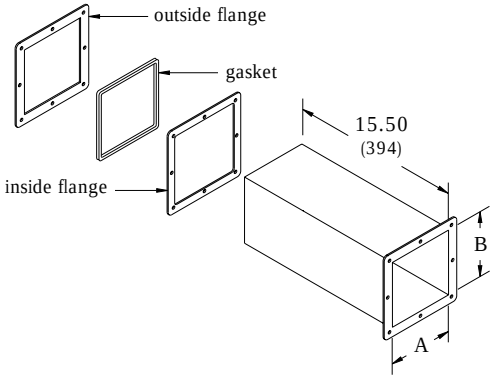
Wireway Section
• lengths from 12.00" (305 mm) to 120.00" (3048 mm)



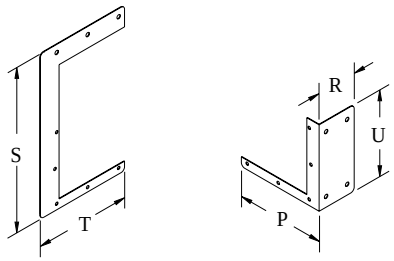
Cut-Off Fitting
• length up to 12.00" (305 mm)



Nipple
* lengths from 1.00" (25 mm) to 6.00" (152 mm)



Telescopic Fitting
• adjustable lengths from 1.50" (38 mm) to 13.50" (343 mm)



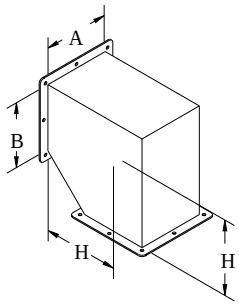
Wireway Hangers

Drop **Bracket**

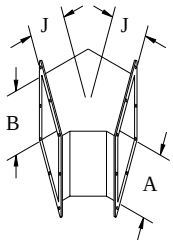
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Feed-Through Wireway

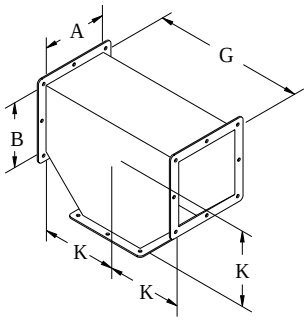
Illustration Sheet



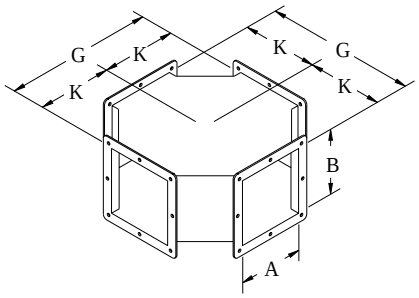
90˚ Elbow



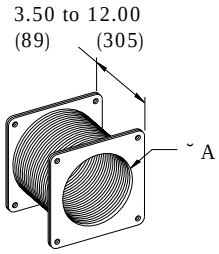
45˚ Elbow



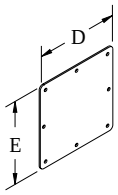
Tee



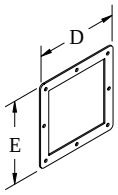
Cross



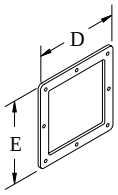
Flexible Fitting



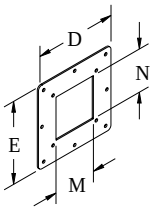
Closure Plate

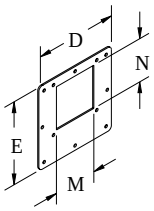


Box Connector



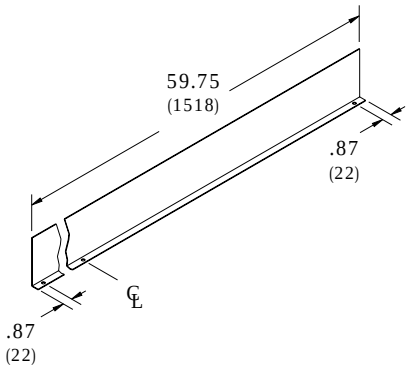
Gasket





Reducers

Center **Edge**

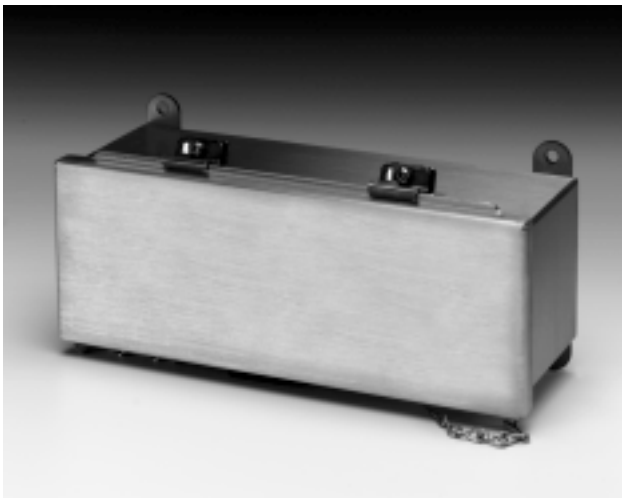


Barrier, Bolt-On

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Lift-Off Cover Wiring Trough

Data Sheet



Construction

- Wireway body and cover are fabricated from (14) gauge Type 304 stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the wireway body with semi-hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Two chains hold cover to the body when screw clamps are released
- Covers have a fixed, oil-resistant gasket
- External mounting feet are provided for wall mounting

Finish

- Outer surface of wireway body and cover has a smooth brushed finish

Accessories

- Bracket hanger
- Drop hanger

Application

- Houses runs of control and power cable
- Protects against corrosion, windblown dust and rain, splashing water and hose-directed water

Standards

- UL 870 listed
- CSA C22.2 No. 26 certified
- Conforms to NEMA standard for Type 4X
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP55

Trough	Trough Size			
	Width x Depth x Length		D	
Catalog Number	in.	mm	in.	mm
4412-4XSWT	4.00x4.00x12.00	102x102x305	-	-
4418-4XSWT	4.00x4.00x18.00	102x102x457	-	-
4424-4XSWT	4.00x4.00x24.00	102x102x610	-	-
4430-4XSWT	4.00x4.00x30.00	102x102x762	15.00	381
4436-4XSWT	4.00x4.00x36.00	102x102x914	18.00	457
4448-4XSWT	4.00x4.00x48.00	102x102x1219	24.00	610
4460-4XSWT	4.00x4.00x60.00	102x102x1524	20.25	514
4472-4XSWT	4.00x4.00x72.00	102x102x1829	24.25	616
6612-4XSWT	6.00x6.00x12.00	152x152x305	-	-
6618-4XSWT	6.00x6.00x18.00	152x152x457	-	-
6624-4XSWT	6.00x6.00x24.00	152x152x610	-	-
6636-4XSWT	6.00x6.00x36.00	152x152x914	18.00	457
6648-4XSWT	6.00x6.00x48.00	152x152x1219	24.00	610
6660-4XSWT	6.00x6.00x60.00	152x152x1524	20.25	514
6672-4XSWT	6.00x6.00x72.00	152x152x1829	24.25	616

See pages 40 & 41 for dimensioned drawings.

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

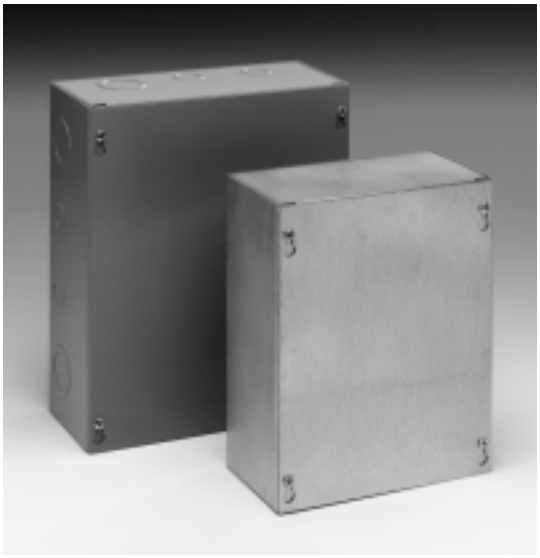
TYPE 1 ENCLOSURES

Screw Cover Enclosures.....48
Small Panel Enclosures.....52
Medium Panel Enclosures.....54
Large Panel Enclosures.....56
Hinge Cover Enclosures.....58
Telephone Termination Cabinets.....60
Spare Fuse Cabinets.....63

B-Line® SYSTEMS THAT MAKE SENSE ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 1 Screw Cover Enclosures - Painted & Galvanized

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Protects against contact with enclosed equipment

Construction

- Enclosure and cover are fabricated from code gauge steel or galvanized steel, (see table)
- Enclosure body has mounting holes on the back
- Enclosures are available with or without knockouts on the sides, top and bottom ends
- Cover is secured to the body with plated screws
- Keyhole slots provided in the cover allow easy access to the inside without removing the screws
- #10-32 tapped hole provision for optional ground lug kit

Finish

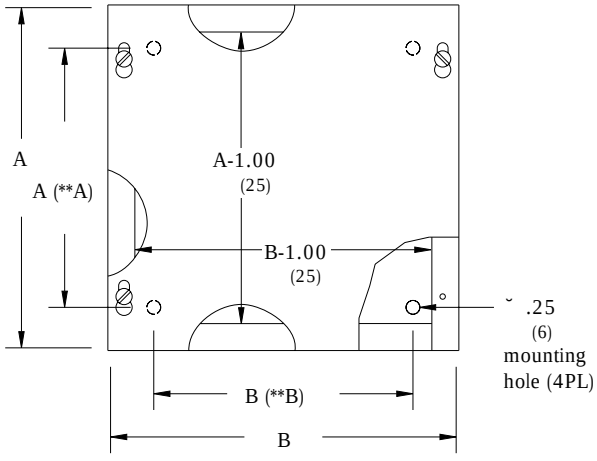
- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

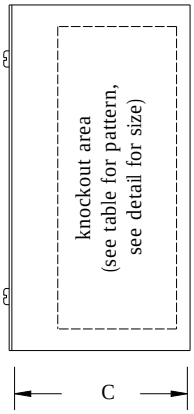
Standards

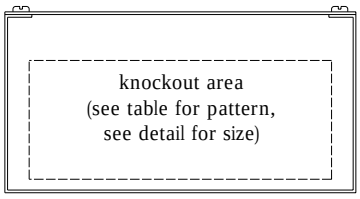
- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 529, IP30

Accessories

- Ground lug kit
- Touch-up paint
- See Accessories section







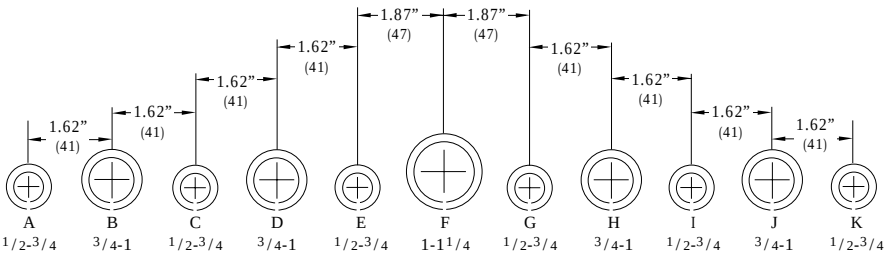
Dimensions:
**A = (-1.90) if 16 or 14 gauge
(-3.90) if 12 gauge
**B = (-2.00) if 16 or 14 gauge
(-4.00) if 12 gauge

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size			Knockout Pattern	Knockout Pattern
Painted		Galvanized		Height Width Depth A x B x C				
KO	No KO	KO	No KO	in.	mm	Gauge	Each Side	Top & Bottom
663 SC	663 SC NK	663 SCGV	663 SCGV NK	6.00x6.00x3.00	152x152x76	16	C D E	C D E
444 SC	444 SC NK	444 SCGV	444 SCGV NK	4.00x4.00x4.00	102x102x102	16	C D	C D
644 SC	644 SC NK	644 SCGV	644 SCGV NK	6.00x4.00x4.00	152x102x102	16	C D E	C D
664 SC	664 SC NK	664 SCGV	664 SCGV NK	6.00x6.00x4.00	152x152x102	16	C D E	C D E
864 SC	864 SC NK	864 SCGV	864 SCGV NK	8.00x6.00x4.00	203x152x102	16	G H I J	C D E
884 SC	884 SC NK	884 SCGV	884 SCGV NK	8.00x8.00x4.00	203x203x102	16	G H I J	G H I J
1084 SC	1084 SC NK	1084 SCGV	1084 SCGV NK	10.00x8.00x4.00	254x203x102	16	D E F G H	G H I J
10104 SC	10104 SC NK	10104 SCGV	10104 SCGV NK	10.00x10.00x4.00	254x254x102	16	D E F G H	D E F G H
1264 SC	1264 SC NK	1264 SCGV	1264 SCGV NK	12.00x6.00x4.00	305x152x102	16	D E F G H	C D E
1284 SC	1284 SC NK	1284 SCGV	1284 SCGV NK	12.00x8.00x4.00	305x203x102	16	D E F G H	G H I J
12104 SC	12104 SC NK	12104 SCGV	12104 SCGV NK	12.00x10.00x4.00	305x254x102	16	D E F G H	D E F G H
12124 SC	12124 SC NK	12124 SCGV	12124 SCGV NK	12.00x12.00x4.00	305x305x102	16	D E F G H	D E F G H
15124 SC	15124 SC NK	15124 SCGV	15124 SCGV NK	15.00x12.004.00	381x305x102	16	C D E F G H I	D E F G H
15154 SC	15154 SC NK	15154 SCGV	15154 SCGV NK	15.00x15.00x4.00	381x381x102	16	C D E F G H I	C D E F G H I
16124 SC	16124 SC NK	16124 SCGV	16124 SCGV NK	16.00x12.00x4.00	406x305x102	16	C D E F G H I	D E F G H
16164 SC	16164 SC NK	16164 SCGV	16164 SCGV NK	16.00x16.00x4.00	406x406x102	16	C D E F G H I	C D E F G H I
18124 SC	18124 SC NK	18124 SCGV	18124 SCGV NK	18.00x12.00x4.00	457x305x102	16	B C D E F G H I J	D E F G H
18154 SC	18154 SC NK	18154 SCGV	18154 SCGV NK	18.00x15.00x4.00	457x381x102	16	B C D E F G H I J	B C D E F G H I J
18184 SC	18184 SC NK	18184 SCGV	18184 SCGV NK	18.00x18.00x4.00	457x457x102	16	B C D E F G H I J	B C D E F G H I J
24124 SC	24124 SC NK	24124 SCGV	24124 SCGV NK	24.00x12.00x4.00	610x305x102	16	B C D E F G H I J	D E F G H
24184 SC	24184 SC NK	24184 SCGV	24184 SCGV NK	24.00x18.00x4.00	610x457x102	16	B C D E F G H I J	B C D E F G H I J
24244 SC	24244 SC NK	24244 SCGV	24244 SCGV NK	24.00x24.00x4.00	610x610x102	14	B C D E F G H I J	B C D E F G H I J
30184 SC	30184 SC NK	30184 SCGV	30184 SCGV NK	30.00x18.00x4.00	762x457x102	16	B C D E F G H I J	B C D E F G H I J
30244 SC	30244 SC NK	30244 SCGV	30244 SCGV NK	30.00x24.00x4.00	762x610x102	14	B C D E F G H I J	B C D E F G H I J
36244 SC	36244 SC NK	36244 SCGV	36244 SCGV NK	36.00x24.00x4.00	914x762x102	14	B C D E F G H I J	B C D E F G H I J
-	30304 SC NK	-	30304 SCGV NK	30.00x30.00x4.00	762x762x102	12	-	-
-	36304 SC NK	-	36304 SCGV NK	36.00x30.00x4.00	914x762x102	12	-	-
-	36364 SC NK	-	36364 SCGV NK	36.00x36.00x4.00	914x914x102	12	-	-
-	48364 SC NK	-	48364 SCGV NK	48.00x36.00x4.00	1219x914x102	12	-	-
-	48484 SC NK	-	48484 SCGV NK	48.00x48.00x4.00	1219x1219x102	10	-	-



Conduit Sizes

Knockout Detail

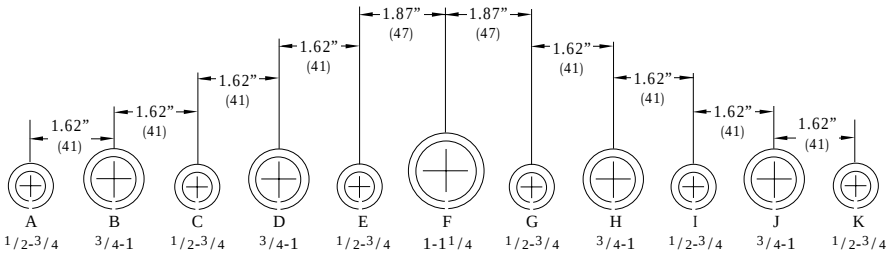
Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size Height Width Depth A x B x C			Knockout Pattern	Knockout Pattern
Painted		Galvanized						
KO	No KO	KO	No KO	in.	mm	Gauge	Each Side	Top & Bottom
666 SC	666 SC NK	666 SCGV	666 SCGV NK	6.00x6.00x6.00	152x152x152	16	C D E	C D E
866 SC	866 SC NK	866 SCGV	866 SCGV NK	8.00x6.00x6.00	203x152x152	16	G H I J	C D E
886 SC	886 SC NK	886 SCGV	886 SCGV NK	8.00x8.00x6.00	203x203x152	16	G H I J	G H I J
1086 SC	1086 SC NK	1086 SCGV	1086 SCGV NK	10.00x8.00x6.00	254x203x152	16	D E F G H	G H I J
10106 SC	10106 SC NK	10106 SCGV	10106 SCGV NK	10.00x10.00x6.00	254x254x152	16	D E F G H	D E F G H
1266 SC	1266 SC NK	1266 SCGV	1266 SCGV NK	12.00x6.00x6.00	305x152x152	16	D E F G H	C D E
1286 SC	1286 SC NK	1286 SCGV	1286 SCGV NK	12.00x8.00x6.00	305x203x152	16	D E F G H	G H I J
12106 SC	12106 SC NK	12106 SCGV	12106 SCGV NK	12.00x10.00x6.00	305x254x152	16	D E F G H	D E F G H
12126 SC	12126 SC NK	12126 SCGV	12126 SCGV NK	12.00x12.00x6.00	305x305x152	16	D E F G H	D E F G H
15126 SC	15126 SC NK	15126 SCGV	15126 SCGV NK	15.00x12.00x6.00	381x305x152	16	C D E F G H I	D E F G H
15156 SC	15156 SC NK	15156 SCGV	15156 SCGV NK	15.00x15.00x6.00	381x381x152	16	C D E F G H I	C D E F G H I
16126 SC	16126 SC NK	16126 SCGV	16126 SCGV NK	16.00x12.00x6.00	406x305x152	16	C D E F G H I	D E F G H
16166 SC	16166 SC NK	16166 SCGV	16166 SCGV NK	16.00x16.00x6.00	406x406x152	16	C D E F G H I	B C D E F G H I J
18126 SC	18126 SC NK	18126 SCGV	18126 SCGV NK	18.00x12.00x6.00	457x305x152	16	B C D E F G H I J	D E F G H
18156 SC	18156 SC NK	18156 SCGV	18156 SCGV NK	18.00x15.00x6.00	457x381x152	16	B C D E F G H I J	C D E F G H I
18186 SC	18186 SC NK	18186 SCGV	18186 SCGV NK	18.00x18.00x6.00	457x457x152	16	B C D E F G H I J	B C D E F G H I J
24126 SC	24126 SC NK	24126 SCGV	24126 SCGV NK	24.00x12.00x6.00	610x305x152	16	B C D E F G H I J	D E F G H
24186 SC	24186 SC NK	24186 SCGV	24186 SCGV NK	24.00x18.00x6.00	610x457x152	16	B C D E F G H I J	B C D E F G H I J
24246 SC	24246 SC NK	24246 SCGV	24246 SCGV NK	24.00x24.00x6.00	610x610x152	14	B C D E F G H I J	B C D E F G H I J
30186 SC	30186 SC NK	30186 SCGV	30186 SCGV NK	30.00x18.00x6.00	762x457x152	16	B C D E F G H I J	B C D E F G H I J
30246 SC	30246 SC NK	30246 SCGV	30246 SCGV NK	30.00x24.00x6.00	762x610x152	14	B C D E F G H I J	B C D E F G H I J
-	30306 SC NK	-	30306 SCGV NK	30.00x30.00x6.00	762x762x152	12	-	-
36246 SC	36246 SC NK	36246 SCGV	36246 SCGV NK	36.00x24.00x6.00	914x310x152	14	B C D E F G H I J	B C D E F G H I J
-	36306 SC NK	-	36306 SCGV NK	36.00x30.00x6.00	914x762x152	12	-	-
-	36366 SC NK	-	36366 SCGV NK	36.00x36.00x6.00	914x914x152	12	-	-
-	48366 SC NK	-	48366 SCGV NK	48.00x36.00x6.00	1219x914x152	12	-	-
-	48486 SC NK	-	48486 SCGV NK	48.00x48.00x6.00	1219x1219x152	12	-	-
888 SC	888 SC NK	888 SCGV	888 SCGV NK	8.00x8.00x8.00	203x203x203	16	G H I J	G H I J
12128 SC	12128 SC NK	12128 SCGV	12128 SCGV NK	12.00x12.00x8.00	305x305x203	16	D E F G H	D E F G H
16128 SC	16128 SC NK	16128 SCGV	16128 SCGV NK	16.00x12.00x8.00	406x305x203	16	C D E F G H I	D E F G H
18128 SC	18128 SC NK	18128 SCGV	18128 SCGV NK	18.00x12.00x8.00	457x305x203	16	B C D E F G H I J	D E F G H
18188 SC	18188 SC NK	18188 SCGV	18188 SCGV NK	18.00x18.00x8.00	457x457x203	16	B C D E F G H I J	B C D E F G H I J
24128 SC	24128 SC NK	24128 SCGV	24128 SCGV NK	24.00x12.00x8.00	610x305x203	16	B C D E F G H I J	D E F G H
24188 SC	24188 SC NK	24188 SCGV	24188 SCGV NK	24.00x18.00x8.00	610x457x203	16	B C D E F G H I J	B C D E F G H I J
24248 SC	24248 SC NK	24248 SCGV	24248 SCGV NK	24.00x24.00x8.00	610x610x203	14	B C D E F G H I J	B C D E F G H I J
30248 SC	30248 SC NK	30248 SCGV	30248 SCGV NK	30.00x24.00x8.00	762x610x203	14	B C D E F G H I J	B C D E F G H I J
-	30308 SC NK	-	30308 SCGV NK	30.00x30.00x8.00	762x762x203	12	-	-
36248 SC	36248 SC NK	36248 SCGV	36248 SCGV NK	36.00x24.00x8.00	914x610x203	14	B C D E F G H I J	B C D E F G H I J



Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size			Knockout Pattern	Knockout Pattern
Painted		Galvanized		Height Width Depth A x B x C				
KO	No KO	KO	No KO	in.	mm	Gauge	Each Side	Top & Bottom
121210 SC	121210 SC NK	121210 SCGV	121210 SCGV NK	12.00x12.00x10.00	305x305x254	16	D E F G H	D E F G H
181210 SC	181210 SC NK	181210 SCGV	181210 SCGV NK	18.00x12.00x10.00	457x305x254	16	B C D E F G H I J	D E F G H
181810 SC	181810 SC NK	181810 SCGV	181810 SCGV NK	18.00x18.00x10.00	457x457x254	16	B C D E F G H I J	B C D E F G H I J
241210 SC	241210 SC NK	241210 SCGV	241210 SCGV NK	24.00x12.00x10.00	610x305x254	16	B C D E F G H I J	D E F G H
241810 SC	241810 SC NK	241810 SCGV	241810 SCGV NK	24.00x18.00x10.00	610x457x254	16	B C D E F G H I J	B C D E F G H I J
242410 SC	242410 SC NK	242410 SCGV	242410 SCGV NK	24.00x24.00x10.00	610x610x254	14	B C D E F G H I J	B C D E F G H I J
302410 SC	302410 SC NK	302410 SCGV	302410 SCGV NK	30.00x24.00x10.00	762x610x254	14	B C D E F G H I J	B C D E F G H I J
-	303010 SC NK	-	303010 SCGV NK	30.00x30.00x10.00	762x762x254	12	- -	
362410 SC	362410 SC NK	362410 SCGV	362410 SCGV NK	36.00x24.00x10.00	914x610x254	14	B C D E F G H I J	B C D E F G H I J
181812 SC	181812 SC NK	181812 SCGV	181812 SCGV NK	18.00x18.00x12.00	457x457x305	16	B C D E F G H I J	B C D E F G H I J
241212 SC	241212 SC NK	241212 SCGV	241212 SCGV NK	24.00x12.00x12.00	610x305x305	16	B C D E F G H I J	D E F G H
241812 SC	241812 SC NK	241812 SCGV	241812 SCGV NK	24.00x18.00x12.00	610x457x305	16	B C D E F G H I J	B C D E F G H I J
242412 SC	242412 SC NK	242412 SCGV	242412 SCGV NK	24.00x24.00x12.00	610x610x305	14	B C D E F G H I J	B C D E F G H I J
302412 SC	302412 SC NK	302412 SCGV	302412 SCGV NK	30.00x24.00x12.00	762x610x305	14	B C D E F G H I J	B C D E F G H I J
-	303012 SC NK	-	303012 SCGV NK	30.00x30.00x12.00	762x762x305	12	- -	
362412 SC	362412 SC NK	362412 SCGV	362412 SCGV NK	36.00x24.00x12.00	914x610x305	14	B C D E F G H I J	B C D E F G H I J
-	363612 SC NK	-	363612 SCGV NK	36.00x36.00x12.00	914x914x305	12	- -	

Type 1 Flush & Surface Covers - Painted & Galvanized

Catalog Number

Optional Flush Covers		Flush Cover Size		Fits Enclosure			Replacement Surface Covers		Surface Cover Size		Fits Enclosure		
Catalog Number				A x B			Catalog Number				A x B		
Painted	Galvanized	in.	mm	in.	mm	Gauge	Painted	Galvanized	in.	mm	in.	mm	Gauge
44 SCF	44 SCFGV	5.50x5.50	140x140	4.00x400	102x102	16	44 SCS	44 SCSGV	4.09x4.09	104x104	4.00x4.00	102x102	16
64 SCF	64 SCFGV	7.50x5.50	191x140	6.00x4.00	152x102	16	64 SCS	64 SCSGV	6.09x4.09	155x104	6.00x4.00	152x102	16
66 SCF	66 SCFGV	7.50x7.50	191x191	6.00x6.00	152x152	16	66 SCS	66 SCSGV	6.09x6.09	155x155	6.00x6.00	152x152	16
86 SCF	86 SCFGV	9.50x7.50	241x191	8.00x6.00	203x152	16	86 SCS	86 SCSGV	8.09x6.09	205x155	8.00x6.00	203x152	16
88 SCF	88 SCFGV	9.50x9.50	241x241	8.00x8.00	203x203	16	88 SCS	88 SCSGV	8.09x8.09	205x205	8.00x8.00	203x203	16
108 SCF	108 SCFGV	11.50x9.50	292x241	10.00x8.00	254x203	16	108 SCS	108 SCSGV	10.09x8.09	256x205	10.00x8.00	254x203	16
1010 SCF	1010 SCFGV	11.50x11.50	292x292	10.00x10.00	254x254	16	1010 SCS	1010 SCSGV	10.09x10.09	256x256	10.00x10.00	254x254	16
126 SCF	126 SCFGV	13.50x7.50	343x191	12.00x6.00	305x152	16	126 SCS	126 SCSGV	12.09x6.09	307x155	12.00x6.00	305x152	16
128 SCF	128 SCFGV	13.50x11.50	343x241	12.00x8.00	305x203	16	128 SCS	128 SCSGV	12.09x8.09	307x205	12.00x8.00	305x203	16
1210 SCF	1210 SCFGV	13.50x11.50	343x292	12.00x10.00	305x254	16	1210 SCS	1210 SCSGV	12.09x10.09	307x256	12.00x10.00	305x254	16
1212 SCF	1212 SCFGV	13.50x13.50	343x343	12.00x12.00	305x305	16	1212 SCS	1212 SCSGV	12.09x12.09	307x307	12.00x12.00	305x305	16
1612 SCF	1612 SCFGV	17.50x13.50	445x343	16.00x12.00	406x305	14	1612 SCS	1612 SCSGV	16.09x12.09	409x307	16.00x12.00	406x305	16
1616 SCF	1616 SCFGV	17.50x17.50	445x445	16.00x16.00	406x406	14	1616 SCS	1616 SCSGV	16.09x16.09	409x409	16.00x16.00	406x406	16
1812 SCF	1812 SCFGV	19.50x13.50	495x343	18.00x12.00	457x305	14	1812 SCS	1812 SCSGV	18.09x12.09	459x307	18.00x12.00	457x305	16
1815 SCF	1815 SCFGV	19.50x16.50	495x419	18.00x15.00	457x381	14	1815 SCS	1815 SCSGV	18.09x15.09	459x383	18.00x15.00	457x381	16
1818 SCF	1818 SCFGV	19.50x19.50	495x495	18.00x18.00	457x457	14	1818 SCS	1818 SCSGV	18.09x18.09	459x459	18.00x18.00	457x457	16
2412 SCF	2412 SCFGV	25.50x13.50	648x343	24.00x12.00	610x305	14	2412 SCS	2412 SCSGV	24.09x12.09	612x307	24.00x12.00	610x305	16
2418 SCF	2418 SCFGV	25.50x19.50	648x495	24.00x18.00	610x457	12	2418 SCS	2418 SCSGV	24.09x18.09	612x459	24.00x18.00	610x457	14
2424 SCF	2424 SCFGV	25.50x24.50	648x622	24.00x24.00	610x610	12	2424 SCS	2424 SCSGV	24.09x24.09	612x612	24.00x24.00	610x610	14

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Small Panel Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in an environment which does not require oil or dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 529, IP30

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- Enclosure body has mounting holes on the back which are accessible with or without the optional panel installed
- Cover is secured to the body with a continuous hinge on one side and flush latch on the opposite side
- Flush latch is designed to operate with either coin or screwdriver
- #10-32 weldnuts are provided for mounting optional panel
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

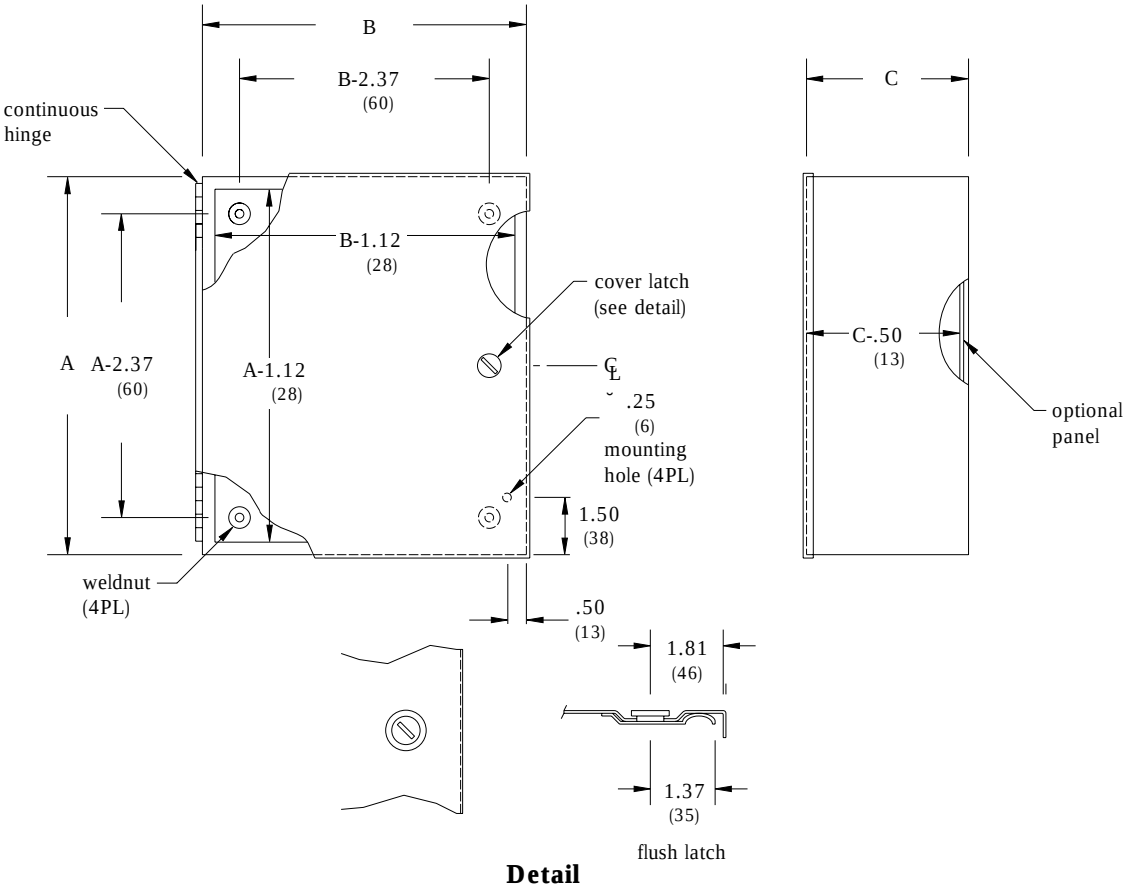
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Type 1 flush lock
- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Small Panel Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
664-1	6.00x6.00x4.00	152x152x102	**N66P**	4.25x4.25	108x108
864-1	8.00x6.00x4.00	203x152x102	**N86P**	6.25x4.25	159x108
884-1	8.00x8.00x4.00	203x203x102	**N88P**	6.25x6.25	159x159
1084-1	10.00x8.00x4.00	254x203x102	**N108P**	8.25x6.25	210x159
10104-1	10.00x10.00x4.00	254x254x102	**N1010P**	8.25x8.25	210x210
12104-1	12.00x10.00x4.00	305x254x102	**N1210P**	10.25x8.25	260x210
12124-1	12.00x12.00x4.00	305x305x102	**N1212P**	10.25x10.25	260x260
14124-1	14.00x12.00x4.00	356x305x102	**N1412P**	12.25x10.25	311x260
866-1	8.00x6.00x6.00	203x152x152	**N86P**	6.25x4.25	159x108
886-1	8.00x8.00x6.00	203x203x152	**N88P**	6.25x6.25	159x159
1086-1	10.00x8.00x6.00	254x203x152	**N108P**	8.25x6.25	210x159
10106-1	10.00x10.00x6.00	254x254x152	**N1010P**	8.25x8.25	210x210
12106-1	12.00x10.00x6.00	305x254x152	**N1210P**	10.25x8.25	260x210
12126-1	12.00x12.00x6.00	305x305x152	**N1212P**	10.25x10.25	260x260
14126-1	14.00x12.00x6.00	356x305x152	**N1412P**	12.25x10.25	311x260
20126-1	20.00x12.00x6.00	508x305x152	**N2012P**	18.25x10.25	464x260
12128-1	12.00x12.00x8.00	305x305x203	**N1212P**	10.25x10.25	260x260
14128-1	14.00x12.00x8.00	356x305x203	**N1412P**	12.25x10.25	311x260



Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Medium Panel Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in an environment which does not require oil and dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 529, IP30

Construction

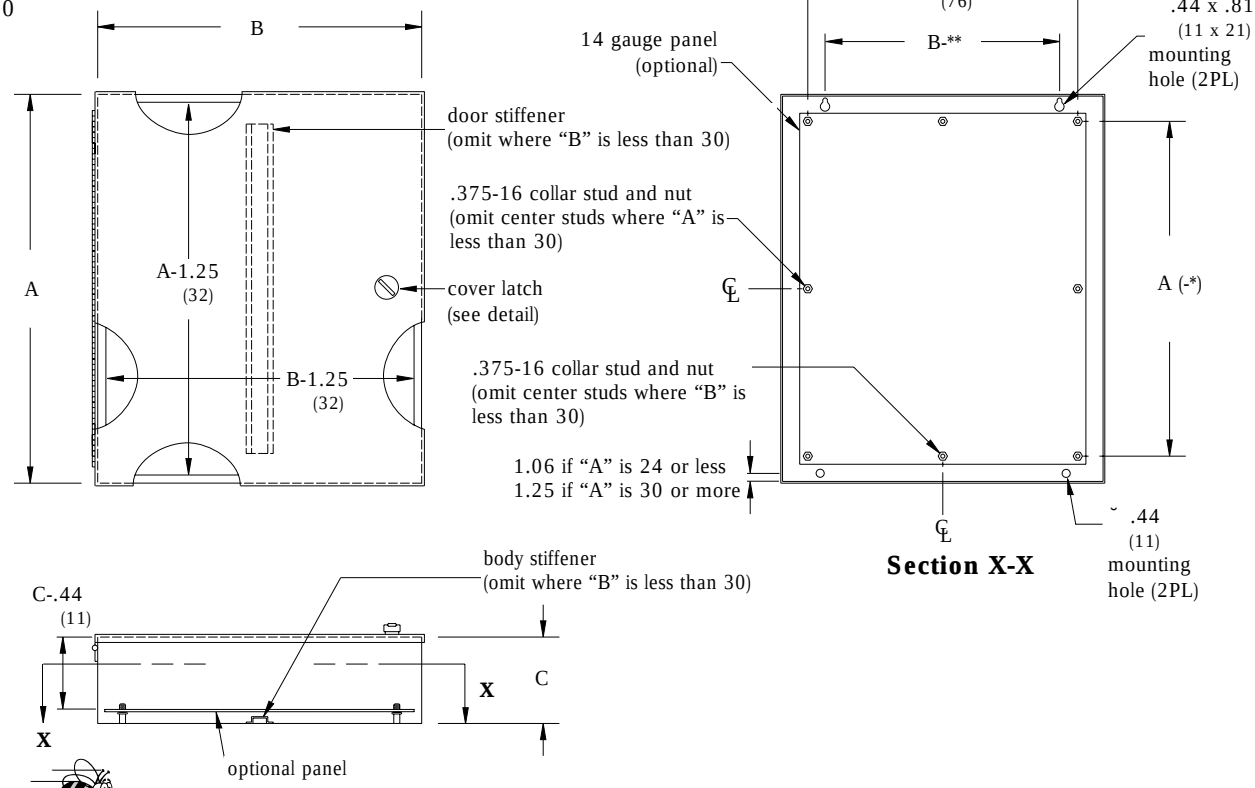
- Enclosure and door are fabricated from code gauge steel, (see table)
- Enclosure body has mounting holes on the back which are accessible with or without the panel installed
- Door is secured to the body with a continuous hinge on one side and a flush latch mounted to the opposite side
- Flush latch is designed to operate with either coin or screwdriver
- .375-16 collar studs are provided for mounting optional panel
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white polyester powder finish

Accessories

- Panels
- Terminal blocks
- Type 1 flush lock for enclosures 24x24 or smaller
- Tumbler lock for enclosures 30x20 or larger
- Touch-up paint
- See Accessories section

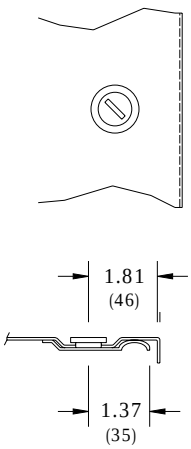


Notes: * = 4.50 if "A" is 24 or less * = 5.50 if "A" is 30 or more ** = 5.00 if "A" is 24 or less ** = 7.25 if "A" is 30 or more
B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Medium Panel Enclosures

Catalog Number

Enclosure	Enclosure Size Height Width Depth A x B x C		Gauge	Panel	Panel Size Height x Width	
Catalog Number	in.	mm		Catalog Number	in.	mm
16126-1	16.00x12.00x6.62	406x305x168	16	**AW1612-1P**	13.00x10.50	330x267
16166-1	16.00x16.00x6.62	406x406x168	16	**AW1616-1P**	13.00x14.50	330x368
16206-1	16.00x20.00x6.62	406x508x168	16	**AW1620-1P**	13.00x18.50	330x470
20166-1	20.00x16.00x6.62	508x406x168	16	**AW2016-1P**	17.00x14.50	432x368
20206-1	20.00x20.00x6.62	508x508x168	14	**AW2020-1P**	17.00x18.50	432x470
24166-1	24.00x16.00x6.62	610x406x168	14	**AW2416-1P**	21.00x14.50	533x368
24206-1	24.00x20.00x6.62	610x508x168	14	**AW2420-1P**	21.00x18.50	533x470
24246-1	24.00x24.00x6.62	610x610x168	14	**AW2424-1P**	21.00x22.50	533x572
30206-1	30.00x20.00x6.62	762x508x168	14	**AW3020-1P**	26.00x18.50	660x470
30246-1	30.00x24.00x6.62	762x610x168	14	**AW3024-1P**	26.00x22.50	660x572
36246-1	36.00x24.00x6.62	914x610x168	14	**AW3624-1P**	32.00x22.50	813x572
36306-1	36.00x30.00x6.62	914x762x168	14	**AW3630-1P**	32.00x28.50	813x724
16128-1	16.00x12.00x8.62	406x305x219	16	**AW1612-1P**	13.00x10.50	330x267
20168-1	20.00x16.00x8.62	508x406x219	16	**AW2016-1P**	17.00x14.50	432x368
20208-1	20.00x20.00x8.62	508x508x219	14	**AW2020-1P**	17.00x18.50	432x470
20248-1	20.00x24.00x8.62	508x610x219	14	**AW2024-1P**	17.00x22.50	432x572
24208-1	24.00x20.00x8.62	610x508x219	14	**AW2420-1P**	21.00x18.50	533x470
24248-1	24.00x24.00x8.62	610x610x219	14	**AW2424-1P**	21.00x22.50	533x572
30208-1	30.00x20.00x8.62	762x508x219	14	**AW3020-1P**	26.00x18.50	660x470
30248-1	30.00x24.00x8.62	762x610x219	14	**AW3024-1P**	26.00x22.50	660x572
30308-1	30.00x30.00x8.62	762x762x219	14	**AW3030-1P**	26.00x28.50	660x724
36248-1	36.00x24.00x8.62	914x610x219	14	**AW3624-1P**	32.00x22.50	813x572
36308-1	36.00x30.00x8.62	914x762x219	14	**AW3630-1P**	32.00x28.50	813x724
42248-1	42.00x24.00x8.62	1067x610x219	14	**AW4224-1P**	38.00x22.50	965x572
242010-1	24.00x20.00x10.62	610x508x270	14	**AW2420-1P**	21.00x18.50	533x470
302410-1	30.00x24.00x10.62	762x610x270	14	**AW3024-1P**	26.00x22.50	660x572
242012-1	24.00x20.00x12.62	610x508x321	14	**AW2420-1P**	21.00x18.50	533x470
242412-1	24.00x24.00x12.62	610x610x321	14	**AW2424-1P**	21.00x22.50	533x572
302412-1	30.00x24.00x12.62	762x610x321	14	**AW3024-1P**	26.00x22.50	660x572
363012-1	36.00x30.00x12.62	914x762x321	14	**AW3630-1P**	32.00x28.50	813x724



flush latch

Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Large Panel Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in an environment which does not require oil and dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 Listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA Standard for Type 1
- IEC 529, IP30

Construction

- Enclosure and door are fabricated from (14) gauge steel
- Enclosure body has mounting holes on the back which are accessible with or without the panel installed
- Door is secured to the body with a heavy-duty continuous hinge on one side and slotted flush latches on the opposite side
- Door and body have stiffeners for extra rigidity
- Slotted flush latch is designed to operate with either a coin or a screwdriver
- .375-16 collar studs are provided for mounting optional panels
- Keyed flush lock available
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white polyester powder finish

Accessories

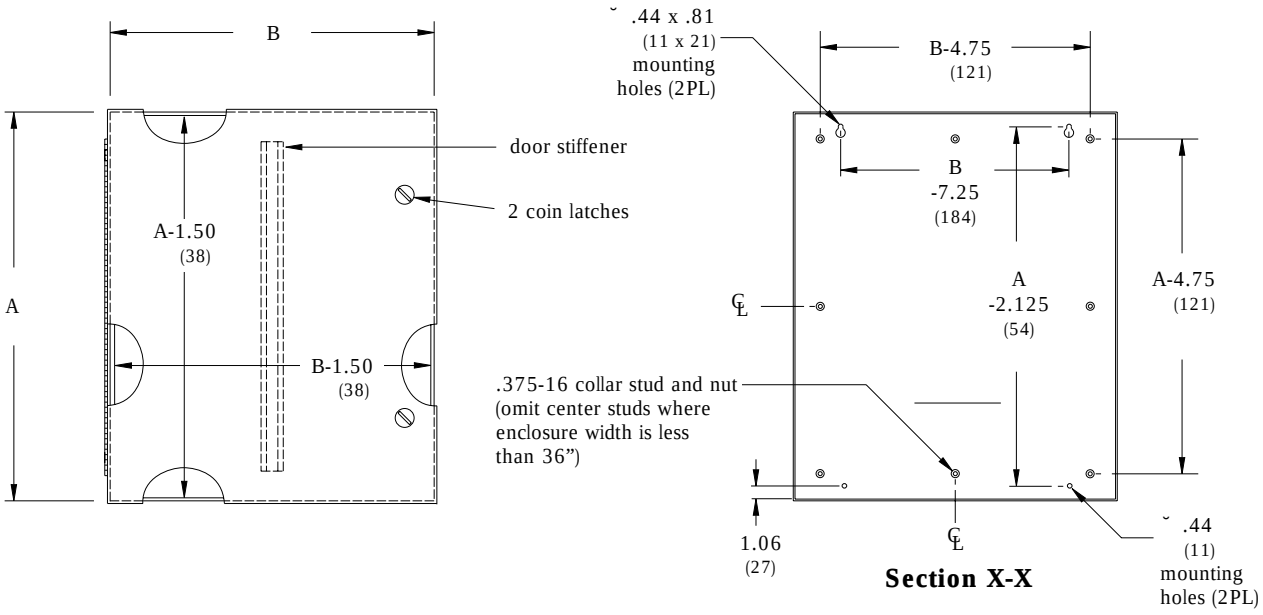
- Panels
- Terminal blocks
- Type 1 flush lock
- Swing panel kits
- Window kits
- Touch-up paint

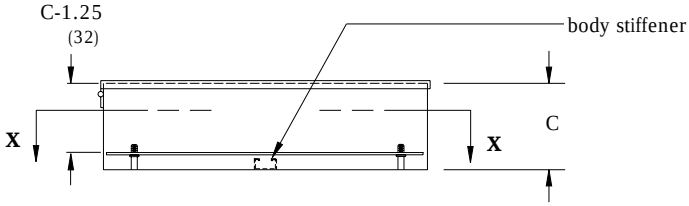
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

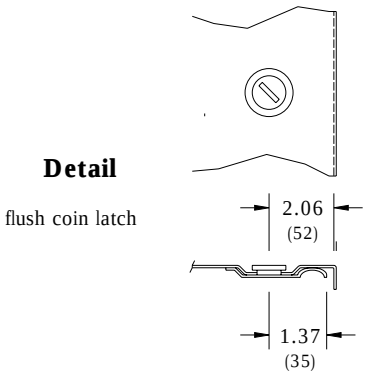
Type 1 Large Panel Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
42309-1	42.00x30.00x9.25	1067x762x235	**AW4230P**	38.87x26.87	987x682
42369-1	42.00x36.00x9.25	1067x914x235	**AW4236P**	38.87x32.87	987x835
48369-1	48.00x36.00x9.25	1219x914x235	**AW4836P**	44.87x32.87	1140x835
483611-1	48.00x36.00x11.25	1219x914x286	**AW4836P**	44.87x32.87	1140x835
423013-1	42.00x30.00x13.25	1067x762x337	**AW4230P**	38.87x26.87	987x682
423613-1	42.00x36.00x13.25	1067x914x337	**AW4236P**	38.87x32.87	987x835
483613-1	48.00x36.00x13.25	1219x914x337	**AW4836P**	44.87x32.87	1140x835
483617-1	48.00x36.00x17.25	1219x914x438	**AW4836P**	44.87x32.87	1140x835







Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Hinge Cover Enclosures

Data Sheet

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- Enclosure body has mounting holes on the back
- Enclosures are available with or without knockouts on the sides, top and bottom ends
- Cover is secured to the body with formed hinges on one side and a friction dimple catch on the opposite side
- Cover is furnished with a recessed pull ring for opening convenience
- #10-32 tapped hole provision for optional ground lug kit

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Ground lug kit
- Touch-up paint
- See Accessories section

Application

- Used as wiring boxes, junction and pull boxes
- Protects against contact with enclosed equipment

Standards

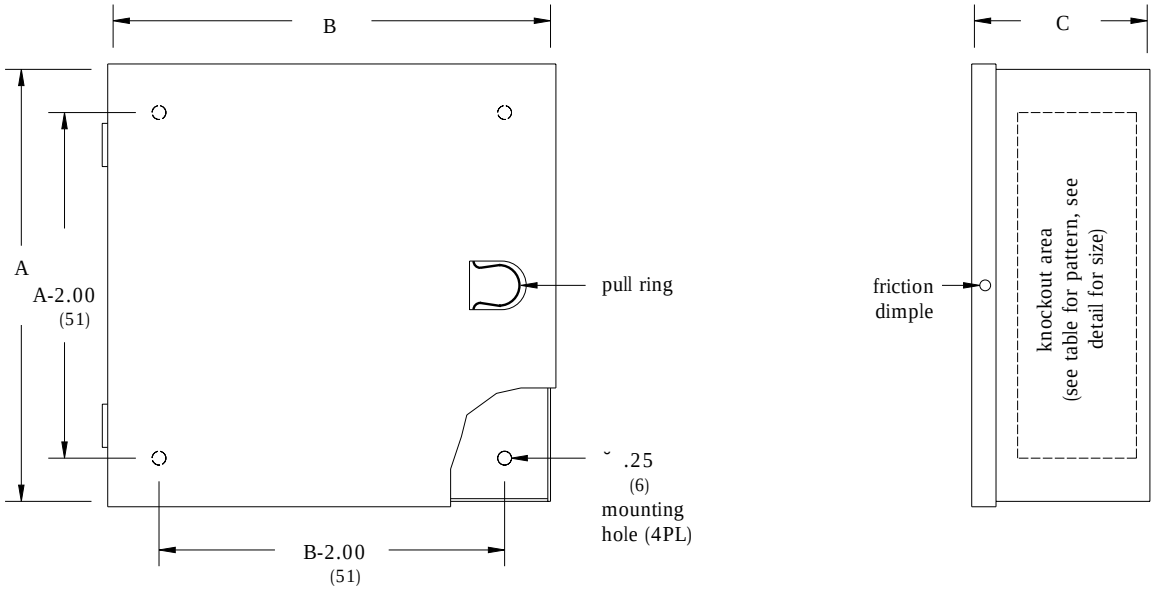
- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 529, IP30

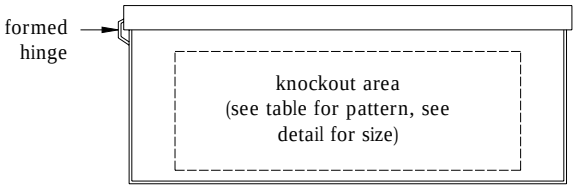
Enclosure Catalog Number		Enclosure Size Height Width Depth A x B x C		Knockout Pattern	Knockout Pattern
KO	No KO	in.	mm	Each Side	Top & Bottom
664 HC	664 HC NK	6.00x6.00x4.00	152x152x102	C D E	C D E
864 HC	864 HC NK	8.00x6.00x4.00	203x152x102	G H I J	C D E
884 HC	884 HC NK	8.00x8.00x4.00	203x203x102	G H I J	G H I J
1084 HC	1084 HC NK	10.00x8.00x4.00	254x203x102	D E F G H	G H I J
10104 HC	10104 HC NK	10.00x10.00x4.00	254x254x102	D E F G H	D E F G H
1284 HC	1284 HC NK	12.00x8.00x4.00	305x203x102	D E F G H	G H I J
12104 HC	12104 HC NK	12.00x10.00x4.00	305x254x102	D E F G H	D E F G H
12124 HC	12124 HC NK	12.00x12.00x4.00	305x305x102	D E F G H	D E F G H
18124 HC	18124 HC NK	18.00x12.00x4.00	457x305x102	B C D E F G H I J	D E F G H
666 HC	666 HC NK	6.00x6.00x6.00	152x152x152	C D E	C D E
886 HC	886 HC NK	8.00x8.00x6.00	203x203x152	G H I J	G H I J
1086 HC	1086 HC NK	10.00x8.00x6.00	254x203x152	D E F G H	G H I J
10106 HC	10106 HC NK	10.00x10.00x6.00	254x254x152	D E F G H	D E F G H
12106 HC	12106 HC NK	12.00x10.00x6.00	305x254x152	D E F G H	D E F G H
12126 HC	12126 HC NK	12.00x12.00x6.00	305x305x152	D E F G H	D E F G H
16126 HC	16126 HC NK	16.00x12.00x6.00	406x305x152	C D E F G H I	D E F G H
16166 HC	16166 HC NK	16.00x16.00x6.00	406x406x152	C D E F G H I	C D E F G H I
18126 HC	18126 HC NK	18.00x12.00x6.00	457x305x152	B C D E F G H I J	D E F G H
18186 HC	18186 HC NK	18.00x18.00x6.00	457x457x152	B C D E F G H I J	B C D E F G H I J
24186 HC	24186 HC NK	24.00x18.00x6.00	610x457x152	B C D E F G H I J	B C D E F G H I J
24246 HC	24246 HC NK	24.00x24.00x6.00	610x610x152	B C D E F G H I J	B C D E F G H I J
30246 HC	30246 HC NK	30.00x24.00x6.00	762x610x152	B C D E F G H I J	B C D E F G H I J
36246 HC	36246 HC NK	36.00x24.00x6.00	914x610x152	B C D E F G H I J	B C D E F G H I J
36248 HC	36248 HC NK	36.00x24.00x8.00	914x610x203	B C D E F G H I J	B C D E F G H I J

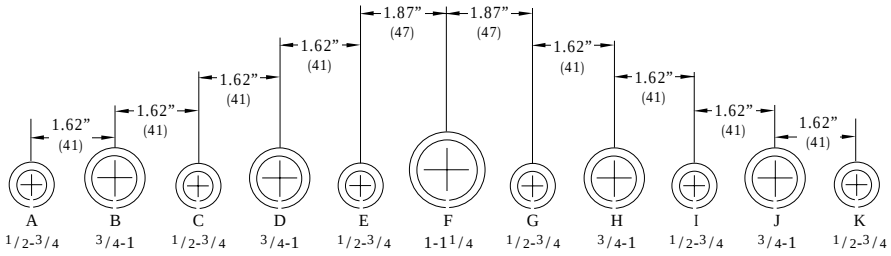
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Hinge Cover Enclosures

Illustration Sheet







Conduit Sizes

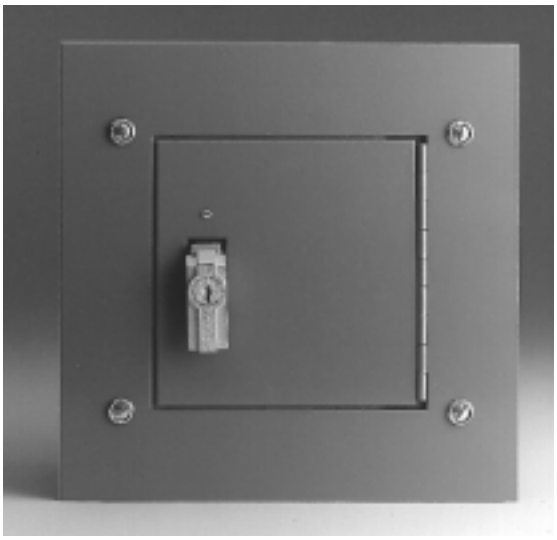
Knockout Detail

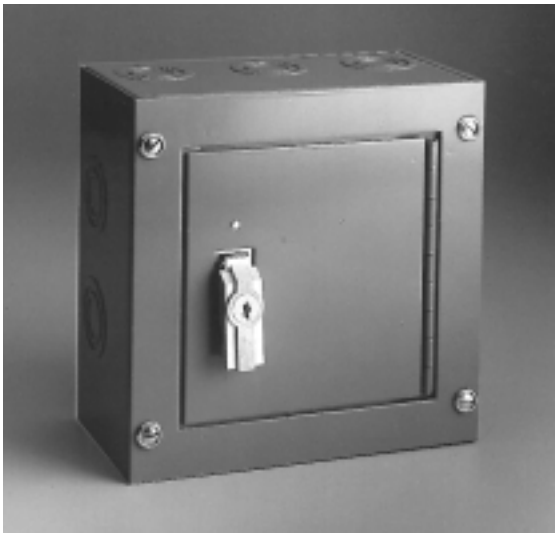
Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Telephone Termination Cabinets

Data Sheet





Application

- Houses electrical controls and instruments
- Used as wiring boxes, junction boxes, pull boxes, telephone and communication cable termination and spare fuse cabinet
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 529, IP30

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Locks and latches
- Ground lug kit
- Terminal blocks
- Wood back boards, barriers and shelves
- Touch-up paint
- See Accessories section

Construction

- Cabinet and trim covers are fabricated from code gauge steel, (see table)
- Cabinet body has mounting holes on the back
- Knockouts on sides, top and bottom ends are standard on cabinets 24 inches wide or smaller, (see Type 1 Screw Cover Enclosures for knockout configuration)
- Cabinets are available without knockouts
- Surface or flush mounting
- Doors have either a continuous or heavy-duty butt hinge
- Double-door construction on trim covers fitting cabinets wider than 24 inches
- Tumbler lock with key furnished on single-door trim covers less than 48 inches high
- T-handle 3-pt lock with key furnished on 48” high single-door and all double-door trim covers
- Directory card holder on all trim covers wider than 18 inches
- Trim covers can be ordered separately and used with Type 1 Screw Cover Enclosures, (see table)
- Cupped washer and bright finish oval head screw used to protect trim cover finish and improve appearance

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1 Telephone Termination Cabinets

Catalog Number

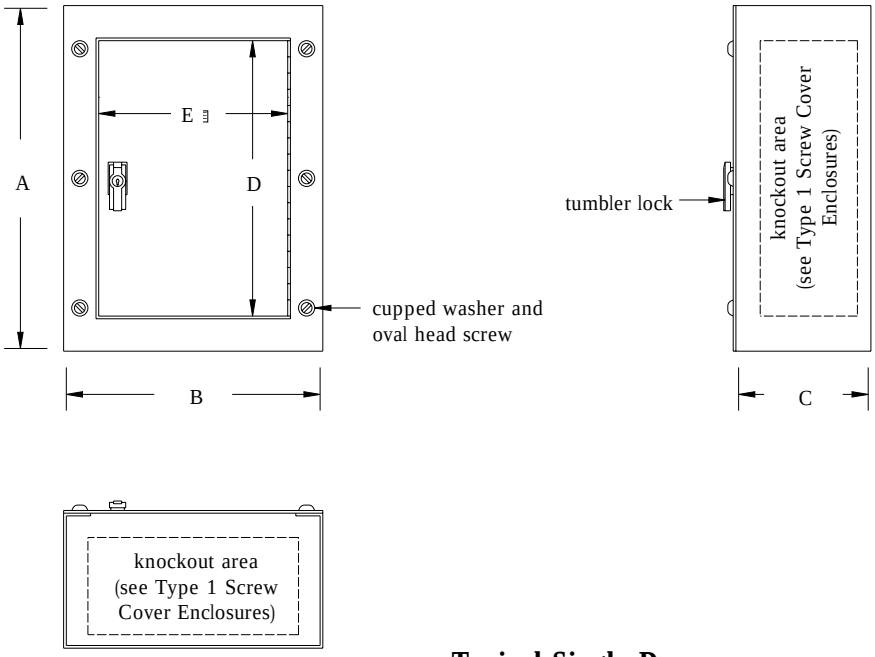
Cabinet Depth	Cabinet Catalog Number		Cabinet Size Height Width Depth A x B x C			Trim Cover Catalog Number				Door Opening[1] Height D		Width E	
	Surface	Flush	in.	mm	Gauge	Surface	Gauge	Flush	Gauge	in.		mm	
in.mm													
	884 TCS	884 TCF	8.00x8.00x4.00	203x203x102	16	88 TCS	16	88 TCF	14	5	127	5	127
	10104 TCS	10104 TCF	10.00x10.00x4.00	254x254x102	16	1010 TCS	16	1010 TCF	14	6	152	6	152
	1284 TCS	1284 TCF	12.00x8.00x4.00	305x203x102	16	128 TCS	16	128 TCF	14	8	203	5	127
	12104 TCS	12104 TCF	12.00x10.00x4.00	305x254x102	16	1210 TCS	16	1210 TCF	14	8	203	6	152
	12124 TCS	12124 TCF	12.00x12.00x4.00	305x305x102	16	1212 TCS	16	1212 TCF	14	8	203	8	203
	16124 TCS	16124 TCF	16.00x12.00x4.00	406x305x102	16	1612 TCS	16	1612 TCF	14	12	305	8	203
	18124 TCS	18124 TCF	18.00x12.00x4.00	457x305x102	16	1812 TCS	16	1812 TCF	14	14	356	8	203
	18154 TCS	18154 TCF	18.00x15.00x4.00	457x381x102	16	1815 TCS	16	1815 TCF	14	14	356	11	279
	18184 TCS	18184 TCF	18.00x18.00x4.00	457x457x102	16	1818 TCS	16	1818 TCF	12	14	356	14	356
	24124 TCS	24124 TCF	24.00x12.00x4.00	610x305x102	16	2412 TCS	16	2412 TCF	12	19	483	8	203
4	24184 TCS	24184 TCF	24.00x18.00x4.00	610x457x102	16	2418 TCS	14	2418 TCF	12	19	483	14	356
	24244 TCS	24244 TCF	24.00x24.00x4.00	610x610x102	14	2424 TCS	14	2424 TCF	12	19	483	19	483
	30154 TCS	30154 TCF	30.00x15.00x4.00	762x381x102	16	3015 TCS	14	3015 TCF	12	25	635	11	279
	30184 TCS	30184 TCF	30.00x18.00x4.00	762x457x102	16	3018 TCS	14	3018 TCF	12	25	635	14	356
	30244 TCS	30244 TCF	30.00x24.00x4.00	762x610x102	14	3024 TCS	14	3024 TCF	12	25	635	19	483
	30304 TCS NK	30304 TCF NK	30.00x30.00x4.00	762x762x102	12	3030 TCS	12	3030 TCF	12	25	635	25	635
	36244 TCS	36244 TCF	36.00x24.00x4.00	914x610x102	14	3624 TCS	14	3624 TCF	12	31	787	19	483
	36304 TCS NK	36304 TCF NK	36.00x30.00x4.00	914x762x102	12	3630 TCS	12	3630 TCF	12	31	787	25	635
	36364 TCS NK	36364 TCF NK	36.00x36.00x4.00	914x914x102	12	3636 TCS	12	3636 TCF	12	31	787	31	787
	48244 TCS	48244 TCF	48.00x24.00x4.00	1219x610x102	14	4824 TCS	12	4824 TCF	12	43	1092	19	483
	48364 TCS NK	48364 TCF NK	48.00x36.00x4.00	1219x914x102	12	4836 TCS	10	4836 TCF	10	43	1092	31	787
	48484 TCS NK	48484 TCF NK	48.00x48.00x4.00	1219x1219x102	12	4848 TCS	10	4848 TCF	10	43	1092	43	1092
	10106 TCS	10106 TCF	10.00x10.00x6.00	254x254x152	16	1010 TCS	16	1010 TCF	14	6	152	6	152
	1286 TCS	1286 TCF	12.00x8.00x6.00	305x203x152	16	128 TCS	16	128 TCF	14	8	203	5	127
	12106 TCS	12106 TCF	12.00x10.00x6.00	305x254x152	16	1210 TCS	16	1210 TCF	14	8	203	6	152
	12126 TCS	12126 TCF	12.00x12.00x6.00	305x305x152	16	1212 TCS	16	1212 TCF	14	8	203	8	203
	16126 TCS	16126 TCF	16.00x12.00x6.00	406x305x152	16	1612 TCS	16	1612 TCF	14	12	305	8	203
	18126 TCS	18126 TCF	18.00x12.00x6.00	457x305x152	16	1812 TCS	16	1812 TCF	14	14	356	8	203
	18156 TCS	18156 TCF	18.00x15.00x6.00	457x381x152	16	1815 TCS	16	1815 TCF	14	14	356	11	279
	18186 TCS	18186 TCF	18.00x18.00x6.00	457x457x152	16	1818 TCS	16	1818 TCF	12	14	356	14	356
	24126 TCS	24126 TCF	24.00x12.00x6.00	610x305x152	16	2412 TCS	16	2412 TCF	12	19	483	8	203
6	24186 TCS	24186 TCF	24.00x18.00x6.00	610x457x152	16	2418 TCS	14	2418 TCF	12	19	483	14	356
	24246 TCS	24246 TCF	24.00x24.00x6.00	610x610x152	14	2424 TCS	14	2424 TCF	12	19	483	19	483
	30156 TCS	30156 TCF	30.00x15.00x6.00	762x381x152	16	3015 TCS	14	3015 TCF	12	25	635	11	279
	30186 TCS	30186 TCF	30.00x18.00x6.00	762x457x152	16	3018 TCS	14	3018 TCF	12	25	635	14	356
	30246 TCS	30246 TCF	30.00x24.00x6.00	762x610x152	14	3024 TCS	14	3024 TCF	12	25	635	19	483
	30306 TCS NK	30306 TCF NK	30.00x30.00x6.00	762x762x152	12	3030 TCS	12	3030 TCF	12	25	635	25	635
	36246 TCS	36246 TCF	36.00x24.00x6.00	914x610x152	14	3624 TCS	14	3624 TCF	12	31	787	19	483
	36306 TCS NK	36306 TCF NK	36.00x30.00x6.00	914x762x152	12	3630 TCS	12	3630 TCF	12	31	787	25	635
	36366 TCS NK	36366 TCF NK	36.00x36.00x6.00	914x914x152	12	3636 TCS	12	3636 TCF	12	31	787	31	787
	48246 TCS	48246 TCF	48.00x24.00x6.00	1219x610x152	14	4824 TCS	12	4824 TCF	12	43	1092	19	483
	48366 TCS NK	48366 TCF NK	48.00x36.00x6.00	1219x914x152	12	4836 TCS	10	4836 TCF	10	43	1092	31	787

[1] Door opening is approximate.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

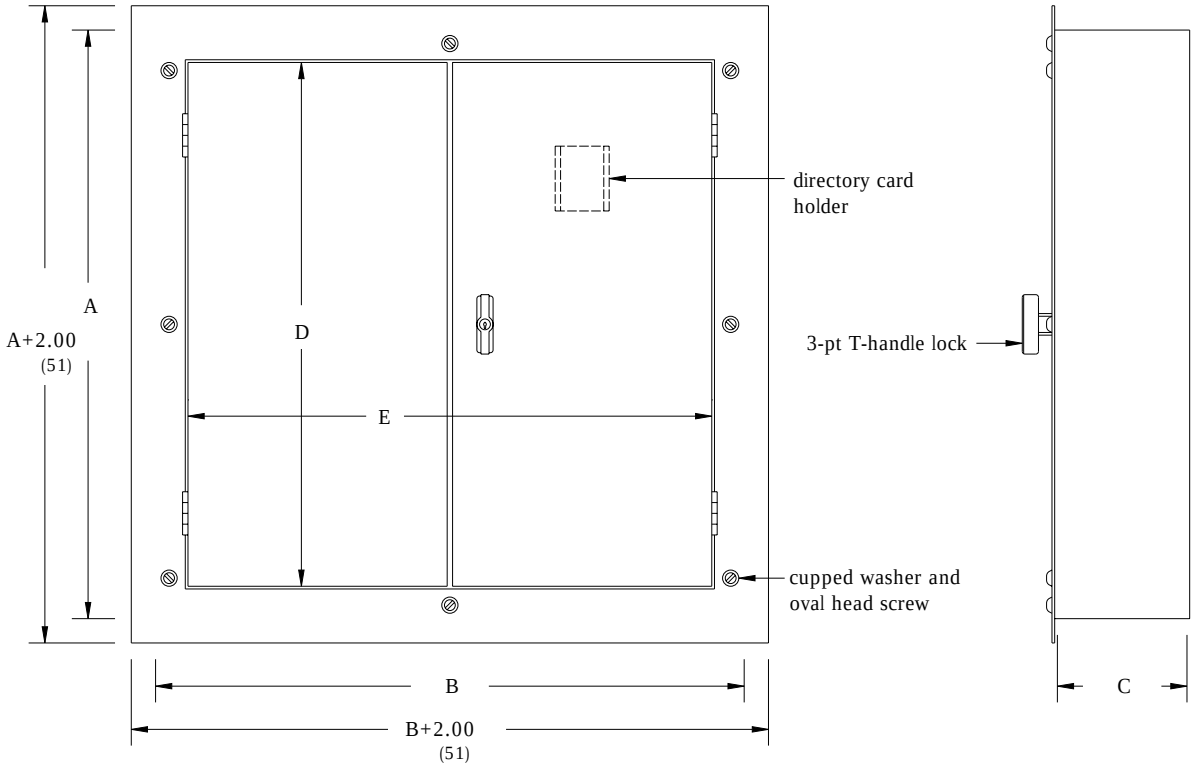
Type 1 Telephone Termination Cabinets

Illustration Sheet



Typical Single Door
(surface mount)

Note: Knockouts are standard on cabinets 24 inches wide and smaller. (See Type 1 Screw Cover Enclosures for KO configuration).



Typical Double Door
(flush mount)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Spare Fuse Cabinets

Data Sheet

Application

- Used for storage of spare fuses and component parts

Construction

- Cabinet and cover are fabricated from (16) gauge steel
- Cabinet body has keyhole slots positioned on 16 inch centers for convenient stud mounting
- Door is secured to the body with a continuous hinge on one side and T-handle lock with key on the opposite side
- Each door has an inventory card pocket
- Two adjustable shelves are furnished and may be positioned in the cabinet without the use of tools
- Additional shelves may be ordered separately, (see table)

Standards

- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

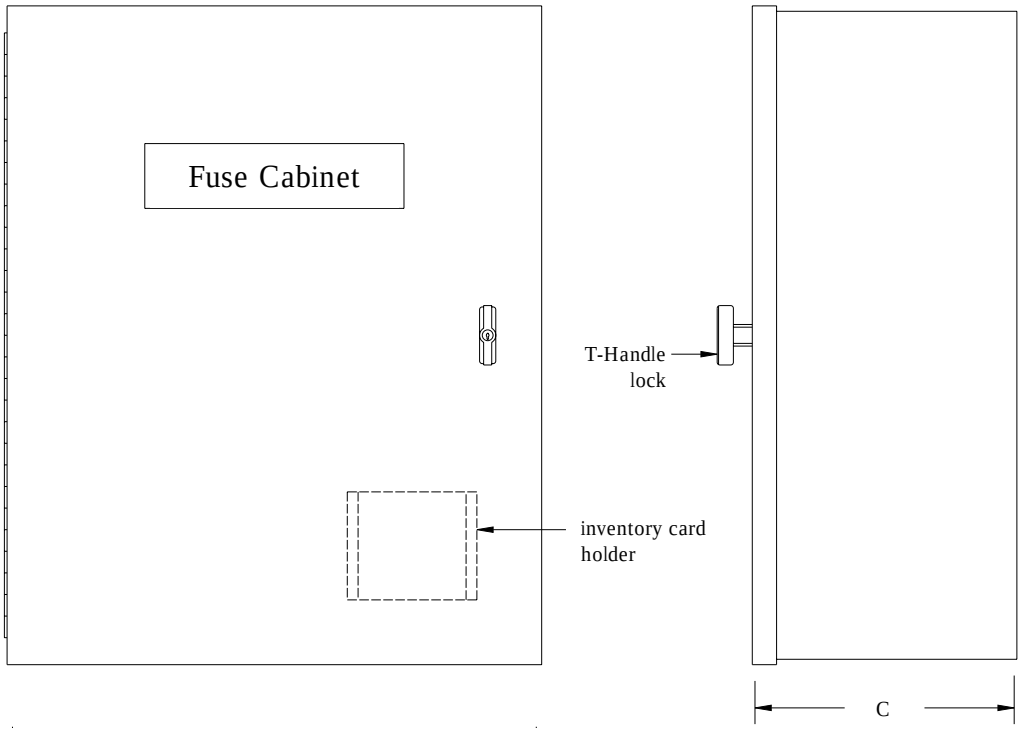
- Shelves
- Touch-up paint
- See Accessories section

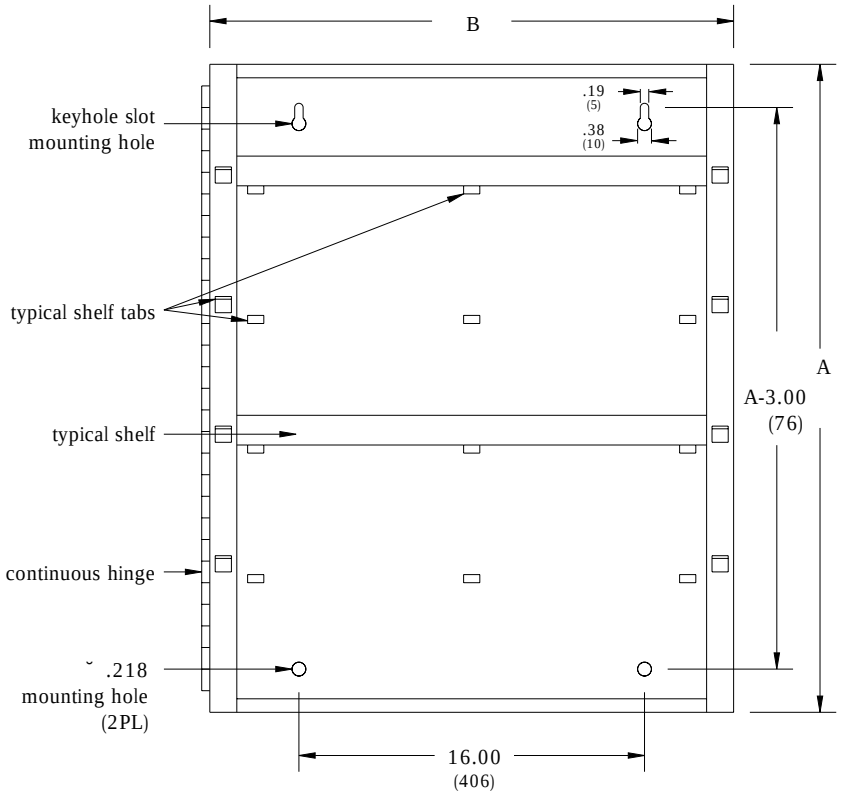
Cabinet Catalog Number	Cabinet Size Height Width Depth A x B x C in.	mm	Shelf Positions	Shelf Catalog Number
242412 FC	24.00x24.00x12.00	610x610x305	4	FCS2412
243012 FC	30.00x24.00x12.00	762x610x305	4	FCS2412
243612 FC	36.00x24.00x12.00	914x610x305	4	FCS2412
303612 FC	36.00x30.00x12.00	914x762x305	4	FCS3012

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Spare Fuse Cabinets

Illustration Sheet





Cabinet Front
(door removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TYPE 3/3R ENCLOSURES

Screw Cover Enclosures 66
Small Continuous Hinge Cover Enclosures . . 68
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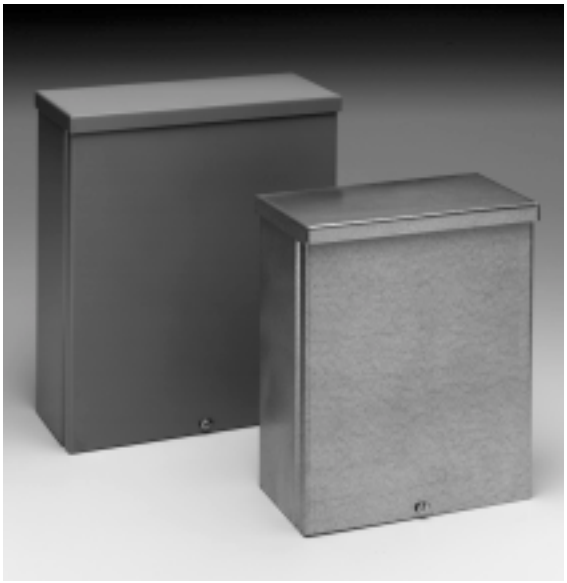
B-Line® SYSTEMS THAT MAKE SENSE ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 3R Screw Cover Enclosures - Painted & Galvanized

Data Sheet



Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel for painted or galvanized steel, (see table)
- Enclosure body has embossed mounting holes on the back
- Available with or without knockouts on the bottom end of enclosures less than 30 inches wide
- Cover is held secure by sliding it under the top end flange and fastening it with plated screws on the bottom end flange
- #10-32 tapped hole provision for optional ground lug kit

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

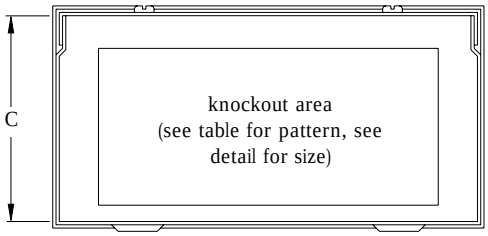
- Ground lug kit
- Touch-up paint
- See Accessories section

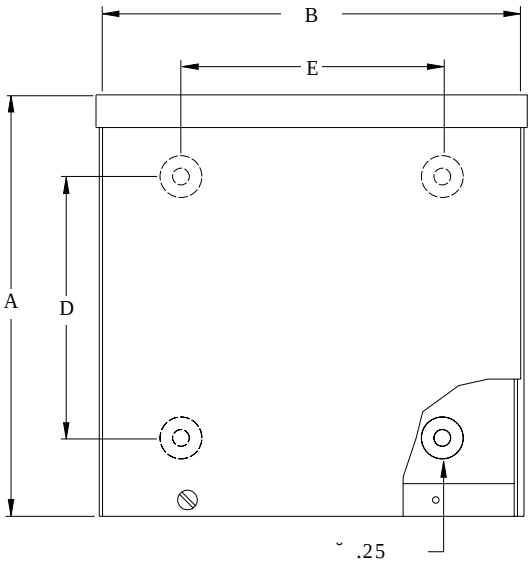
Application

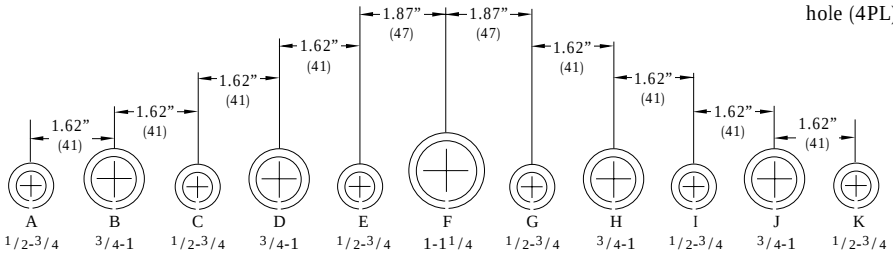
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32







Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Screw Cover Enclosures - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size Height Width Depth A x B x C		D		E			Knockout Pattern
Painted		Galvanized									
KO	No KO	KO	No KO	in.	mm	in.	mm	in.	mm	Gauge	Bottom
444 RTSC	444 RTSC NK	444 RTSCGV	444 RTSCGV NK	4.00x4.00x4.00	102x102x102	1.50	38	1.81	46	16	(C)(D)
644 RTSC	644 RTSC NK	644 RTSCGV	644 RTSCGV NK	6.00x4.00x4.00	152x102x102	3.50	89	1.81	46	16	(C)(D)
664 RTSC	664 RTSC NK	664 RTSCGV	664 RTSCGV NK	6.00x6.00x4.00	152x152x102	3.50	89	3.81	97	16	(C)(D)(E)
864 RTSC	864 RTSC NK	864 RTSCGV	864 RTSCGV NK	8.00x6.00x4.00	203x152x102	5.50	140	3.81	97	16	(C)(D)(E)
884 RTSC	884 RTSC NK	884 RTSCGV	884 RTSCGV NK	8.00x8.00x4.00	203x203x102	5.50	140	5.81	148	16	(G)(H)(I)(J)
1084 RTSC	1084 RTSC NK	1084 RTSCGV	1084 RTSCGV NK	10.00x8.00x4.00	254x203x102	7.50	191	5.81	148	16	(G)(H)(I)(J)
10104 RTSC	10104 RTSC NK	10104 RTSCGV	10104 RTSCGV NK	10.00x10.00x4.00	254x254x102	7.50	191	7.81	198	16	(D)(E)(F)(G)(H)
1284 RTSC	1284 RTSC NK	1284 RTSCGV	1284 RTSCGV NK	12.00x8.00x4.00	305x203x102	9.50	241	5.81	148	16	(G)(H)(I)(J)
12104 RTSC	12104 RTSC NK	12104 RTSCGV	12104 RTSCGV NK	12.00x10.00x4.00	305x254x102	9.50	241	7.81	198	16	(D)(E)(F)(G)(H)
12124 RTSC	12124 RTSC NK	12124 RTSCGV	12124 RTSCGV NK	12.00x12.00x4.00	305x305x102	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
15124 RTSC	15124 RTSC NK	15124 RTSCGV	15124 RTSCGV NK	15.00x12.00x4.00	381x305x102	12.50	318	9.81	249	16	(D)(E)(F)(G)(H)
16124 RTSC	16124 RTSC NK	16124 RTSCGV	16124 RTSCGV NK	16.00x12.00x4.00	406x305x102	13.50	343	9.81	249	16	(D)(E)(F)(G)(H)
16164 RTSC	16164 RTSC NK	16164 RTSCGV	16164 RTSCGV NK	16.00x16.00x4.00	406x406x102	13.50	343	13.81	351	16	(C)(D)(E)(F)(G)(H)(I)
18124 RTSC	18124 RTSC NK	18124 RTSCGV	18124 RTSCGV NK	18.00x12.00x4.00	457x305x102	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
18184 RTSC	18184 RTSC NK	18184 RTSCGV	18184 RTSCGV NK	18.00x18.00x4.00	457x457x102	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24244 RTSC	24244 RTSC NK	24244 RTSCGV	24244 RTSCGV NK	24.00x24.00x4.00	610x610x102	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
666 RTSC	666 RTSC NK	666 RTSCGV	666 RTSCGV NK	6.00x6.00x6.00	152x152x152	3.50	89	3.81	97	16	(C)(D)(E)
866 RTSC	866 RTSC NK	866 RTSCGV	866 RTSCGV NK	8.00x6.00x6.00	203x152x152	5.50	140	3.81	97	16	(C)(D)(E)
886 RTSC	886 RTSC NK	886 RTSCGV	886 RTSCGV NK	8.00x8.00x6.00	203x203x152	5.50	140	5.81	148	16	(G)(H)(I)(J)
1086 RTSC	1086 RTSC NK	1086 RTSCGV	1086 RTSCGV NK	10.00x8.00x6.00	254x203x152	7.50	191	5.81	148	16	(G)(H)(I)(J)
10106 RTSC	10106 RTSC NK	10106 RTSCGV	10106 RTSCGV NK	10.00x10.00x6.00	254x254x152	7.50	191	7.81	198	16	(D)(E)(F)(G)(H)
1286 RTSC	1286 RTSC NK	1286 RTSCGV	1286 RTSCGV NK	12.00x8.00x6.00	305x203x152	9.50	241	5.81	148	16	(G)(H)(I)(J)
12106 RTSC	12106 RTSC NK	12106 RTSCGV	12106 RTSCGV NK	12.00x10.00x6.00	305x254x152	9.50	241	7.81	198	16	(D)(E)(F)(G)(H)
12126 RTSC	12126 RTSC NK	12126 RTSCGV	12126 RTSCGV NK	12.00x12.00x6.00	305x305x152	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
16126 RTSC	16126 RTSC NK	16126 RTSCGV	16126 RTSCGV NK	16.00x12.00x6.00	406x305x152	13.50	343	9.81	249	16	(D)(E)(F)(G)(H)
16166 RTSC	16166 RTSC NK	16166 RTSCGV	16166 RTSCGV NK	16.00x16.00x6.00	406x406x152	13.50	343	13.81	351	16	(C)(D)(E)(F)(G)(H)(I)
18126 RTSC	18126 RTSC NK	18126 RTSCGV	18126 RTSCGV NK	18.00x12.00x6.00	457x305x152	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
18186 RTSC	18186 RTSC NK	18186 RTSCGV	18186 RTSCGV NK	18.00x18.00x6.00	457x457x152	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24126 RTSC	24126 RTSC NK	24126 RTSCGV	24126 RTSCGV NK	24.00x12.00x6.00	610x305x152	21.50	546	9.81	249	16	(D)(E)(F)(G)(H)
24186 RTSC	24186 RTSC NK	24186 RTSCGV	24186 RTSCGV NK	24.00x18.00x6.00	610x457x152	21.50	546	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24246 RTSC	24246 RTSC NK	24246 RTSCGV	24246 RTSCGV NK	24.00x24.00x6.00	610x610x152	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
10108 RTSC	10108 RTSC NK	10108 RTSCGV	10108 RTSCGV NK	10.00x10.00x8.00	254x254x203	7.50	191	7.81	198	16	(D)(E)(F)(G)(H)
12128 RTSC	12128 RTSC NK	12128 RTSCGV	12128 RTSCGV NK	12.00x12.00x8.00	305x305x203	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
18128 RTSC	18128 RTSC NK	18128 RTSCGV	18128 RTSCGV NK	18.00x12.00x8.00	457x305x203	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
18188 RTSC	18188 RTSC NK	18188 RTSCGV	18188 RTSCGV NK	18.00x18.00x8.00	457x457x203	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24168 RTSC	24168 RTSC NK	24168 RTSCGV	24168 RTSCGV NK	24.00x16.00x8.00	610x406x203	21.50	546	13.81	351	16	(C)(D)(E)(F)(G)(H)(I)
24188 RTSC	24188 RTSC NK	24188 RTSCGV	24188 RTSCGV NK	24.00x18.00x8.00	610x457x203	21.50	546	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24248 RTSC	24248 RTSC NK	24248 RTSCGV	24248 RTSCGV NK	24.00x24.00x8.00	610x610x203	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
121210 RTSC	121210 RTSC NK	121210 RTSCGV	121210 RTSCGV NK	12.00x12.00x10.00	305x305x254	9.50	241	9.81	249	16	(D)(E)(F)(G)(H)
181210 RTSC	181210 RTSC NK	181210 RTSCGV	181210 RTSCGV NK	18.00x12.00x10.00	457x305x254	15.50	394	9.81	249	16	(D)(E)(F)(G)(H)
181810 RTSC	181810 RTSC NK	181810 RTSCGV	181810 RTSCGV NK	18.00x18.00x10.00	457x457x254	15.50	394	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
241810 RTSC	241810 RTSC NK	241810 RTSCGV	241810 RTSCGV NK	24.00x18.00x10.00	610x457x254	21.50	546	15.81	402	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
242410 RTSC	242410 RTSC NK	242410 RTSCGV	242410 RTSCGV NK	24.00x24.00x10.00	610x610x254	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
302410 RTSC	302410 RTSC NK	302410 RTSCGV	302410 RTSCGV NK	30.00x24.00x10.00	762x610x254	27.50	699	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	303010 RTSC NK	-	303010 RTSCGV NK	30.00x30.00x10.00	762x762x254	27.50	699	27.56	700	12	-
242412 RTSC	242412 RTSC NK	242412 RTSCGV	242412 RTSCGV NK	24.00x24.00x12.00	610x610x305	21.50	546	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	303012 RTSC NK	-	303012 RTSCGV NK	30.00x30.00x12.00	762x762x305	27.50	699	27.56	700	14	-
362412 RTSC	362412 RTSC NK	362412 RTSCGV	362412 RTSCGV NK	36.00x24.00x12.00	914x610x305	33.50	851	21.56	548	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	363012 RTSC NK	-	363012 RTSCGV NK	36.00x30.00x12.00	914x762x305	33.50	851	27.56	700	12	-
-	363612 RTSC NK	-	363612 RTSCGV NK	36.00x36.00x12.00	914x914x305	33.50	851	33.56	852	12	-

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Small Continuous Hinge Cover Enclosures

Data Sheet

Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Construction

- Enclosure and cover are fabricated from (16) gauge galvaneal steel
- Knockouts are furnished on bottom end
- Cover is secured to the body with a continuous hinge and stainless steel pin on one side and a padlockable draw pull catch on the opposite side
- #10-32 tapped hole provision for optional ground lug kit
- #10-32 weldnuts are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

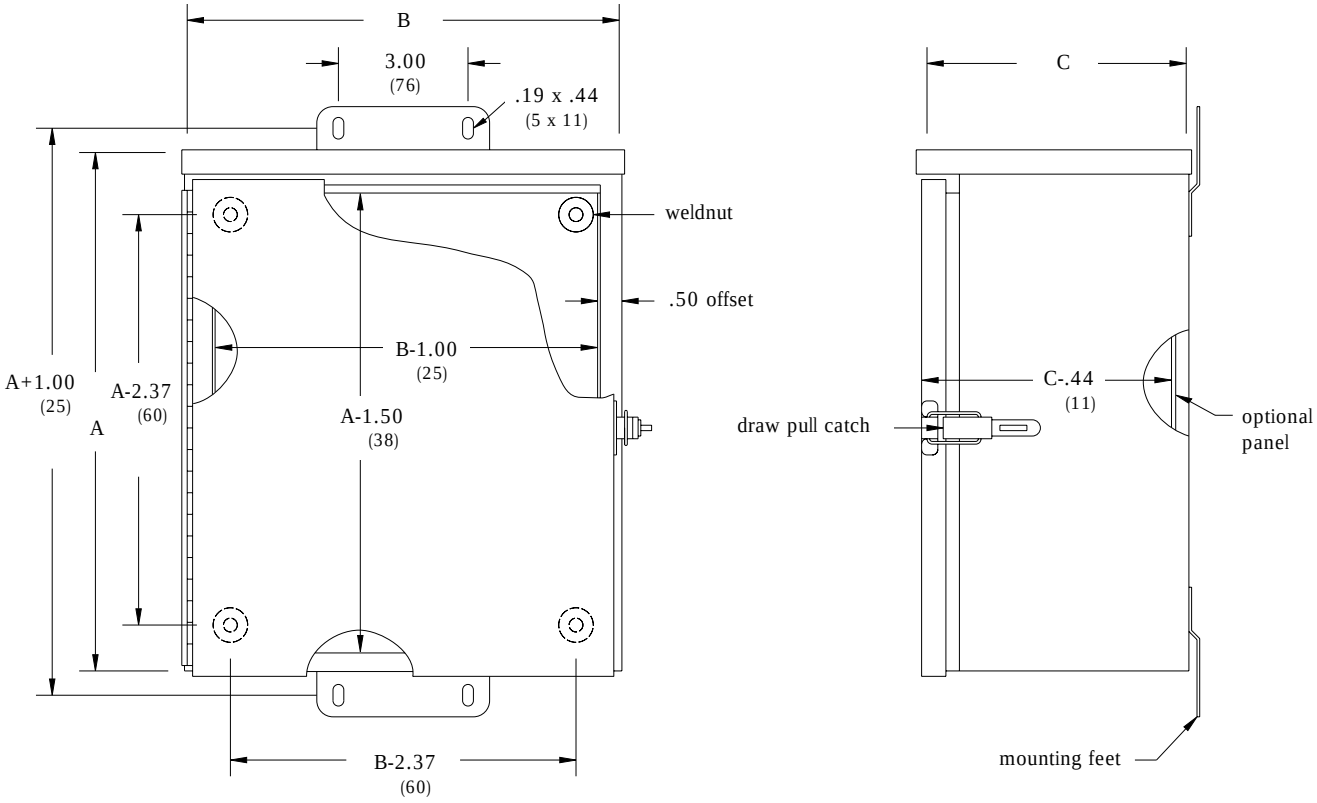
- Panels
- Ground lug kit
- Touch-up paint
- See Accessories section

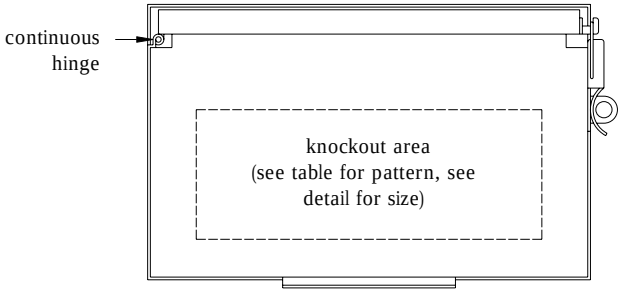
Enclosure	Enclosure Size Height Width Depth A x B x C		Knockout Pattern	Panel	Panel	
Catalog Number	in.	mm	Bottom	Catalog Number	Height x Width in.	mm
664 RHC	6.00x6.00x4.00	152x152x102	(I)(J)(K)	N66P	4.25x4.25	108x108
864 RHC	8.00x6.00x4.00	203x152x102	(I)(J)(K)	N86P	6.25x4.25	159x108
884 RHC	8.00x8.00x4.00	203x203x102	(I)(J)(K)(L)	N88P	6.25x6.25	159x159
886 RHC	8.00x8.00x6.00	203x203x152	(I)(J)(K)(L)	N88P	6.25x6.25	159x159
1086 RHC	10.00x8.00x6.00	254x203x152	(I)(J)(K)(L)	N108P	8.25x6.25	210x159
12106 RHC	12.00x10.00x6.00	305x254x152	(H)(I)(J)(K)(L)	N1210P	10.25x8.25	260x210
12126 RHC	12.00x12.00x6.00	305x305x152	(H)(I)(J)(K)(L)	N1212P	10.25x10.25	260x260

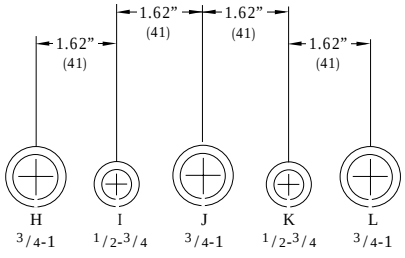
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Small Continuous Hinge Cover Enclosures

Illustration Sheet







Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Large Continuous Hinge Cover Enclosures

Data Sheet

Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Construction

- Enclosure and door are fabricated from code gauge galvaneal steel, (see table)
- Enclosure standard without knockouts
- Door is secured to the body with a continuous hinge and stainless steel pin on one side and captive screws on the opposite side
- Door has padlock hasp with sealing hole provision
- #10-32 tapped hole provision for optional ground lug kit
- .375-16 collar studs are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

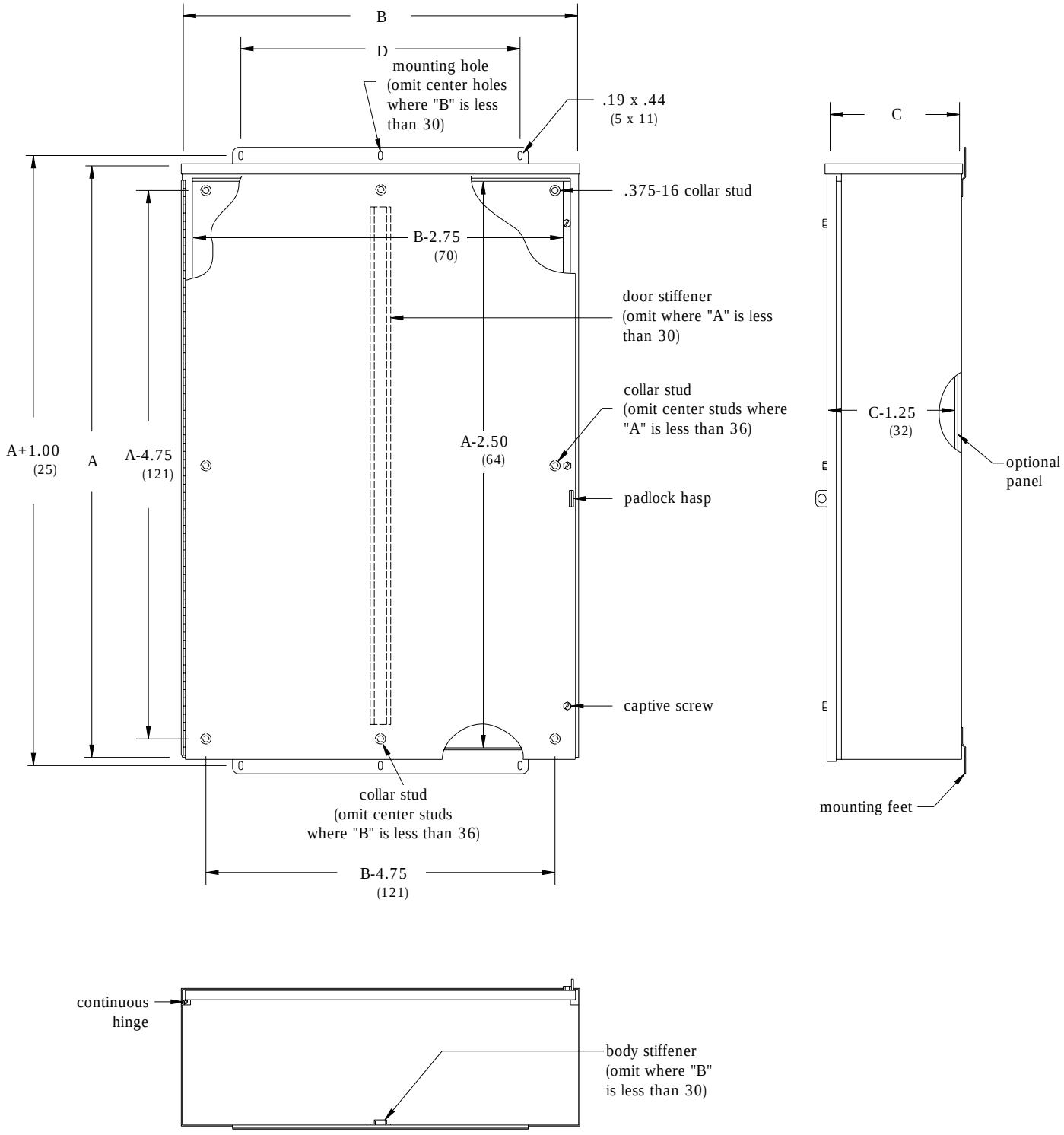
- Panels
- Ground lug kit
- Touch-up paint
- See Accessories section

Enclosure	Enclosure Size Height x Width x Depth					Panel	Panel Size	
Catalog Number	A x B x C in.	A x B x C mm	D in.	D mm	Gauge	Catalog Number	Height x Width in.	Height x Width mm
16126RHC	16.00x12.00x6.00	406x305x152	5.00	127	16	**N1612P**	13.00x9.00	330x229
16166RHC	16.00x16.00x6.00	406x406x152	9.00	229	16	**N1616P**	13.00x13.00	330x330
20166RHC	20.00x16.00x6.00	508x406x152	9.00	229	16	**N2016P**	17.00x13.00	432x330
20208RHC	20.00x20.00x8.00	508x508x203	13.00	330	16	**N2020P**	17.00x17.00	432x432
24208RHC	24.00x20.00x8.00	610x508x203	13.00	330	16	**N2420P**	20.87x16.87	530x428
24248RHC	24.00x24.00x8.00	610x610x203	17.00	432	14	**N2424P**	20.87x20.87	530x530
30248RHC	30.00x24.00x8.00	762x610x203	17.00	432	14	**N3024P**	26.87x20.87	682x530
303012RHC	30.00x30.00x12.00	762x762x305	27.00	432	14	**N3030P**	26.87x26.87	682x682
362412RHC	36.00x24.00x12.00	914x610x305	17.00	432	14	**N3624P**	32.87x20.87	835x530
363012RHC	36.00x30.00x12.00	914x762x305	27.00	432	14	**N3630P**	32.87x26.87	835x682
363612RHC	36.00x36.00x12.00	914x914x305	27.00	432	14	**N3636P**	32.87x32.87	835x835
423012RHC	42.00x30.00x12.00	1067x762x305	27.00	432	14	**N4230P**	38.87x26.87	987x682
423612RHC	42.00x36.00x12.00	1067x914x305	27.00	432	14	**N4236P**	38.87x32.87	987x835
483612RHC	48.00x36.00x12.00	1219x914x305	27.00	432	14	**N4836P**	44.87x32.87	1140x835
603612RHC	60.00x36.00x12.00	1524x914x305	27.00	432	14	**N6036P**	56.87x32.87	1444x835

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Large Continuous Hinge Cover Enclosures

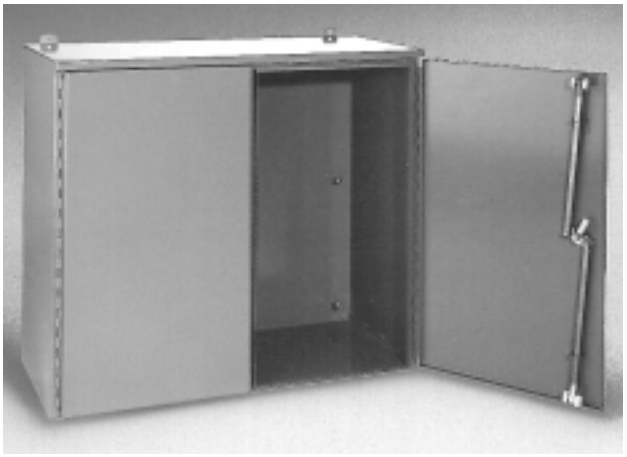
Illustration Sheet



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Double-Door Enclosures

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Construction

- Enclosure and door are fabricated from (12) gauge steel
- Removable center post for complete front access
- Doors are secured to the body with a heavy-duty continuous hinge and stainless steel hinge pin with center locating 3-pt padlocking handle mechanism which closes the right side door over the left
- #10-32 tapped hole provision for optional ground lug kit
- .375-16 collar studs are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting
- No knockouts

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

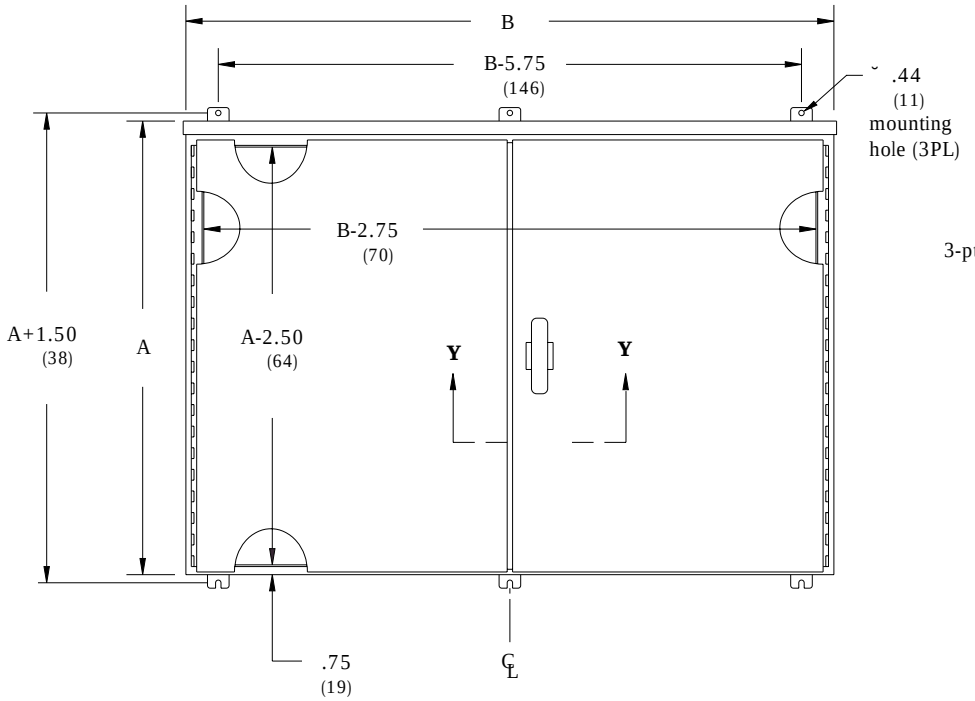
- Panels
- Type 3R door handle
- Ground lug kit
- Touch-up paint
- See Accessories section

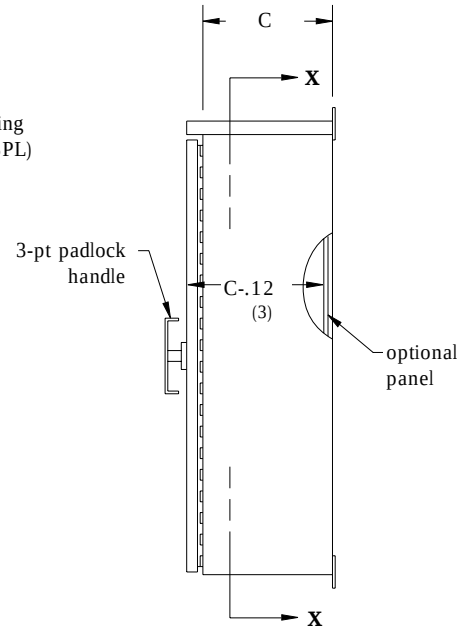
Enclosure	Enclosure Size Height Width Depth A x B x C		Panel	Panel Size	
Catalog Number	in.	mm	Catalog Number	Height x Width in.	mm
304212DRHC	30.00x42.00x12.00	762x1067x305	N4230P	26.87x38.87	682x987
364812DRHC	36.00x48.00x12.00	914x1219x305	N4836P	32.87x44.87	835x1140
303616DRHC	30.00x36.00x16.00	762x914x406	N3630P	26.87x32.87	682x835
364216DRHC	36.00x42.00x16.00	914x1067x406	N4236P	32.87x38.87	835x987

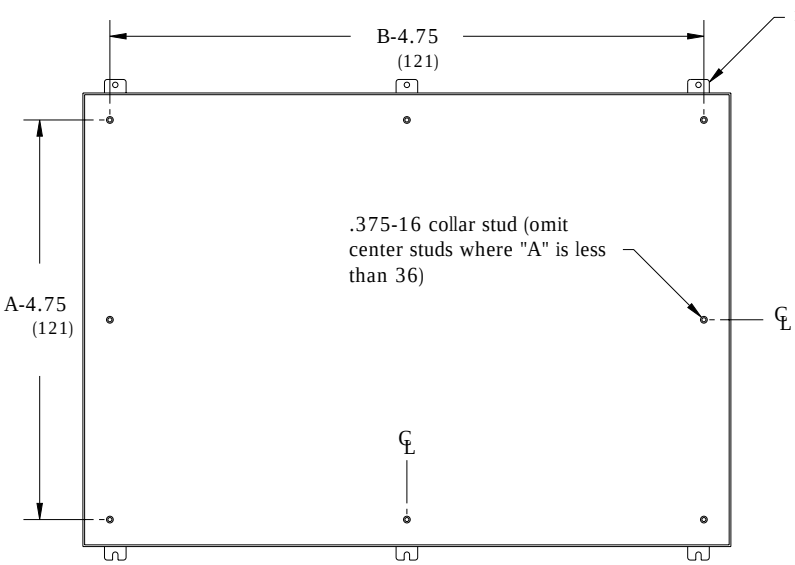
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Double-Door Enclosures

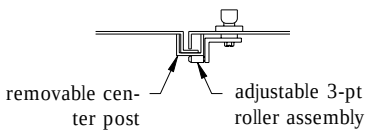
Illustration Sheet







Section X-X



Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Hinge Cover Enclosures

Data Sheet

Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Construction

- Enclosure and door are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has embossed mounting holes on the back
- Available with or without knockouts on the bottom end of enclosures less than 30 inches wide
- Cover is secured to the top end with galvanized, detachable formed hinges on sizes up to and including 18188
- Cover can be held in the open position by sliding it into notches on body
- Cover has padlock hasp and sealing hole provisions at the bottom
- #10-32 tapped hole provision for optional ground lug kit

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

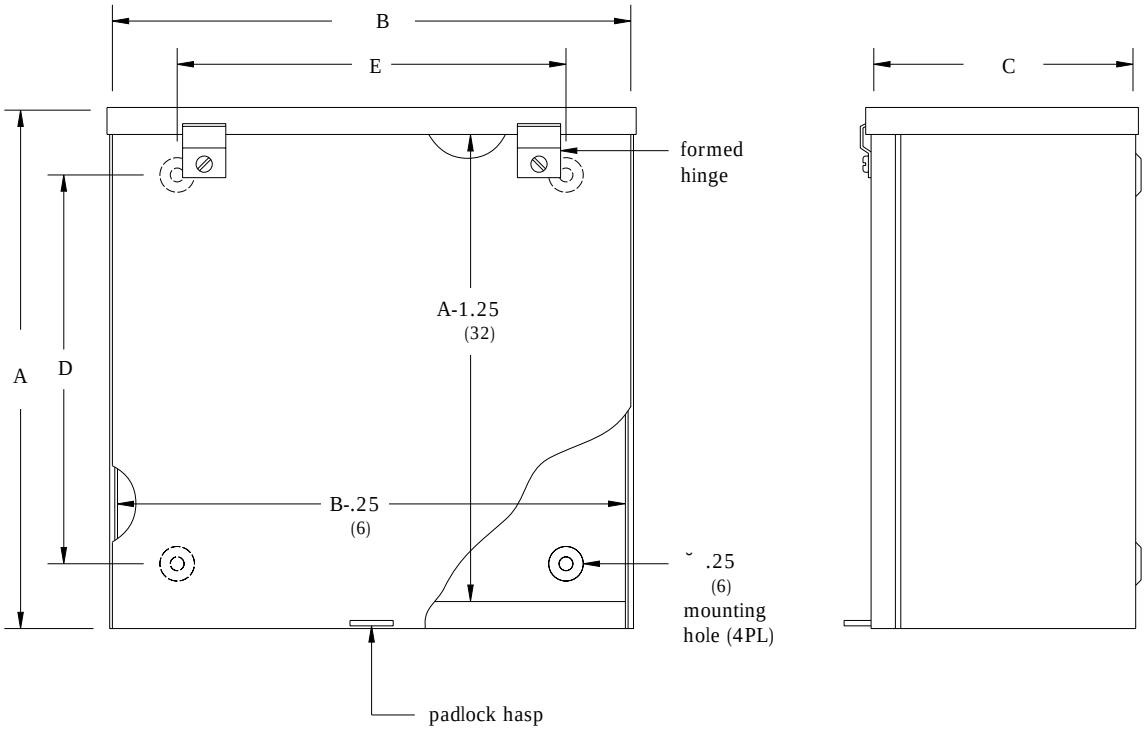
- Ground lug kit
- Touch-up paint
- See Accessories section

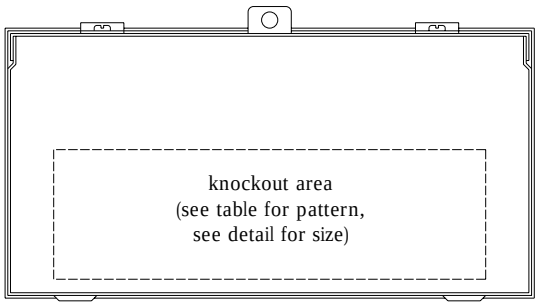
Enclosure Catalog Number		Enclosure Size Height Width Depth A x B x C		D		E		Gauge	Knockout Pattern
KO	No KO	in.	mm	in.	mm	in.	mm		Bottom
644 RTHC	644 RTHC NK	6.00x4.00x4.00	152x102x102	3.00	76	2.00	51	16	(C)(D)
664 RTHC	664 RTHC NK	6.00x6.00x4.00	152x152x102	3.00	76	4.00	102	16	(C)(D)(E)
864 RTHC	864 RTHC NK	8.00x6.00x4.00	203x152x102	5.00	127	4.00	102	16	(C)(D)(E)
884 RTHC	884 RTHC NK	8.00x8.00x4.00	203x203x102	5.00	127	5.00	127	16	(G)(H)(I)(J)
10104 RTHC	10104 RTHC NK	10.00x10.00x4.00	254x254x102	7.00	178	7.00	178	16	(D)(E)(F)(G)(H)
12124 RTHC	12124 RTHC NK	12.00x12.00x4.00	305x305x102	9.00	229	9.00	229	16	(D)(E)(F)(G)(H)
1286 RTHC	1286 RTHC NK	12.00x8.00x6.00	305x203x152	9.00	229	5.00	127	16	(G)(H)(I)(J)
12106 RTHC	12106 RTHC NK	12.00x10.00x6.00	305x254x152	9.00	229	7.00	178	16	(D)(E)(F)(G)(H)
12126 RTHC	12126 RTHC NK	12.00x12.00x6.00	305x305x152	9.00	229	9.00	229	16	(D)(E)(F)(G)(H)
18126 RTHC	18126 RTHC NK	18.00x12.00x6.00	457x305x152	15.00	381	9.00	229	16	(D)(E)(F)(G)(H)
12128 RTHC	12128 RTHC NK	12.00x12.00x8.00	305x305x203	9.00	229	9.00	229	16	(D)(E)(F)(G)(H)
18188 RTHC	18188 RTHC NK	18.00x18.00x8.00	457x457x203	15.00	381	15.00	381	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24188 RTHC	24188 RTHC NK	24.00x18.00x8.00	610x457x203	21.00	533	15.00	381	16	(B)(C)(D)(E)(F)(G)(H)(I)(J)
24248 RTHC	24248 RTHC NK	24.00x24.00x8.00	610x610x203	21.00	533	20.00	508	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
242410 RTHC	242410 RTHC NK	24.00x24.00x10.00	610x610x254	21.00	533	20.00	508	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
362410 RTHC	362410 RTHC NK	36.00x24.00x10.00	914x610x254	33.00	838	20.00	508	14	(B)(C)(D)(E)(F)(G)(H)(I)(J)
-	363012 RTHC NK	36.00x30.00x12.00	914x762x305	33.00	838	26.00	508	12	-

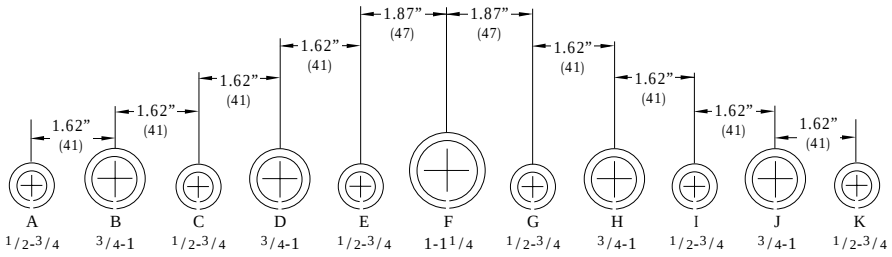
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Hinge Cover Enclosures

Illustration Sheet







Conduit Sizes

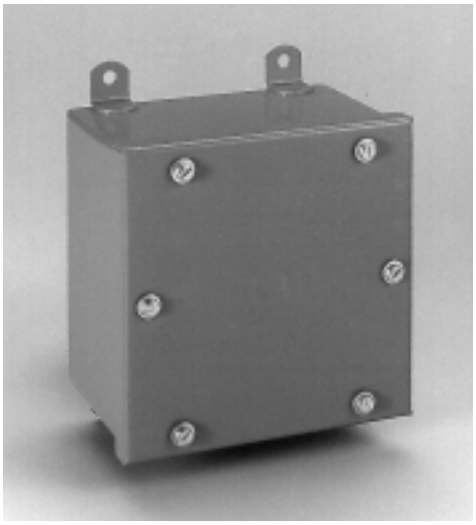
Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3 Screw Cover Enclosures

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Protects against windblown dust, rain, sleet and external ice formation

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Enclosure standard without knockouts
- Cover is attached with gasketed screws
- Cover has flanged sides which secure a fixed, water and ice-resistant gasket
- #10-32 weld stud is furnished for optional ground lug kit
- External mounting feet are provided for secure wall mounting

Standards

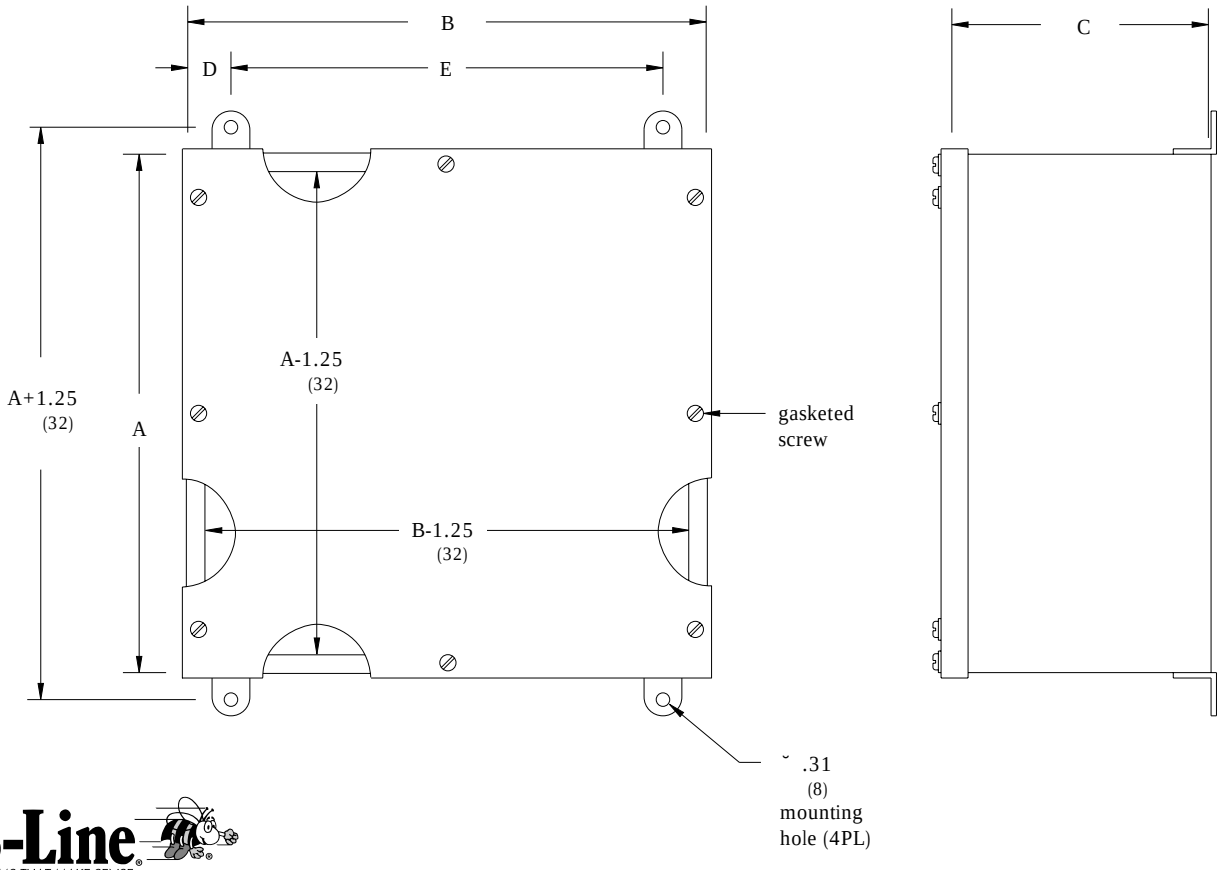
- UL 50 listed, Type 3, (unless noted)
- CSA C22.2 No. 40 certified, Type 3
- Conforms to NEMA standard for Type 3
- IEC 529, IP66

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Ground lug kit
- Touch-up paint
- See Accessories section



Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3 Screw Cover Enclosures

Catalog Number

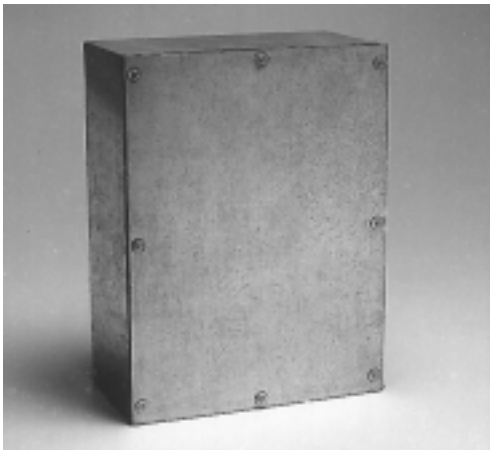
Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	Gauge
444 WPSC*	4.00x4.00x4.00	102x102x102	2.00	51	-	-	16
644 WPSC*	6.00x4.00x4.00	152x102x102	2.00	51	-	-	16
664 WPSC	6.00x6.00x4.00	152x152x102	1.00	25	4.00	102	16
864 WPSC	8.00x6.00x4.00	203x152x102	1.00	25	4.00	102	16
884 WPSC	8.00x8.00x4.00	203x203x102	1.00	25	6.00	152	16
1084 WPSC	10.00x8.00x4.00	254x203x102	1.00	25	6.00	152	16
10104 WPSC	10.00x10.00x4.00	254x254x102	1.00	25	8.00	203	16
12124 WPSC	12.00x12.00x4.00	305x305x102	1.00	25	10.00	254	16
18184 WPSC	18.00x18.00x4.00	457x457x102	1.00	25	16.00	406	16
666 WPSC	6.00x6.00x6.00	152x152x152	1.00	25	4.00	102	16
886 WPSC	8.00x8.00x6.00	203x203x152	1.00	25	6.00	152	16
10106 WPSC	10.00x10.00x6.00	254x254x152	1.00	25	8.00	203	16
1286 WPSC	12.00x8.00x6.00	305x203x152	1.00	25	6.00	152	16
12126 WPSC	12.00x12.00x6.00	350x305x152	1.00	25	10.00	254	16
16126 WPSC	16.00x12.00x6.00	381x305x152	1.00	25	10.00	254	16
18126 WPSC	18.00x12.00x6.00	457x305x152	1.00	25	10.00	254	16
18186 WPSC	18.00x18.00x6.00	457x457x152	1.00	25	16.00	406	16
24186 WPSC	24.00x18.00x6.00	610x457x152	1.00	25	16.00	406	16
24246 WPSC	24.00x24.00x6.00	610x610x152	1.00	25	22.00	559	14
12128 WPSC	12.00x12.00x8.00	305x305x203	1.00	25	10.00	254	16
18188 WPSC	18.00x18.00x8.00	457x457x203	1.00	25	16.00	406	16
24248 WPSC	24.00x24.00x8.00	610x610x203	1.00	25	22.00	559	14
302410 WPSC	30.00x24.00x10.00	762x610x254	1.00	25	22.00	559	14

* UL 508 listed, Type 3.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3 Gasketed Screw Cover Enclosures

Data Sheet



Application

- Used as wiring boxes, junction and pull boxes
- Intended for indoor or outdoor use
- Protects against windblown dust, rain, sleet, external ice formation and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from code gauge G-90 grade galvanized steel, (see table)
- All continuous welded seams are finished smooth
- Enclosure standard without knockouts
- Cover is attached with gasketed screws
- Cover has a fixed, oil and water resistant gasket
- #10-32 weldnut is furnished for optional ground lug kit

Standards

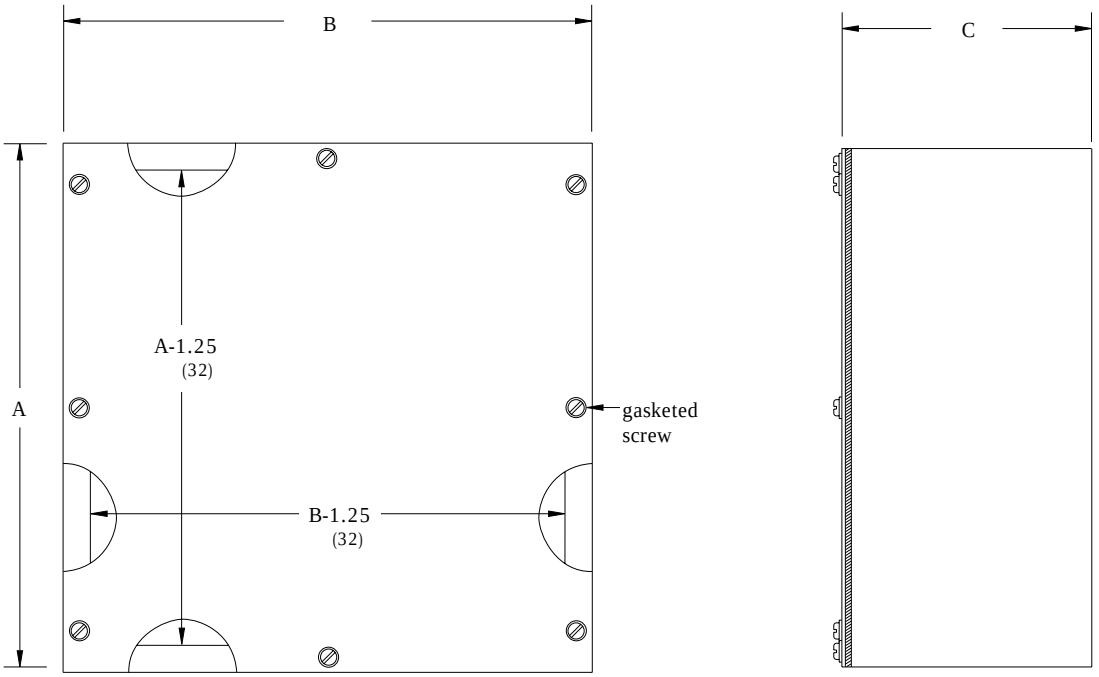
- UL 508 listed, Type 3 and Type 12
- Conforms to NEMA standard for Type 3 and Type 12
- IEC 529, IP66

Finish

- Bright galvanized finish
- Zinc-rich coating over all external welds

Accessories

- Ground lug kit
- See Accessories section



Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3 Gasketed Screw Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Body Gauge	Cover Gauge
444 SCG	4.00x4.00x4.00	102x102x102	14	14
664 SCG	6.00x6.00x4.00	152x152x102	14	14
864 SCG	8.00x6.00x4.00	203x152x102	14	12
884 SCG	8.00x8.00x4.00	203x203x102	14	12
1084 SCG	10.00x8.00x4.00	254x203x102	14	12
10104 SCG	10.00x10.00x4.00	254x254x102	14	12
12124 SCG	12.00x12.00x4.00	305x305x102	14	12
666 SCG	6.00x6.00x6.00	152x152x152	14	12
886 SCG	8.00x8.00x6.00	203x203x152	14	12
10106 SCG	10.00x10.00x6.00	254x254x152	14	12
12106 SCG	12.00x10.00x6.00	305x254x152	14	12
12126 SCG	12.00x12.00x6.00	305x305x152	14	12
16126 SCG	16.00x12.00x6.00	406x305x152	14	12
16166 SCG	16.00x16.00x6.00	406x406x152	14	10
18186 SCG	18.00x18.00x6.00	457x457x152	14	10
20166 SCG	20.00x16.00x6.00	508x406x152	14	10
24246 SCG	24.00x24.00x6.00	610x610x152	14	10
12128 SCG	12.00x12.00x8.00	305x305x203	14	10
20208 SCG	20.00x20.00x8.00	508x508x203	14	10
24208 SCG	24.00x20.00x8.00	610x508x203	14	10
24248 SCG	24.00x24.00x8.00	610x610x203	14	10
242412 SCG	24.00x24.00x12.00	610x610x305	14	10
303012 SCG	30.00x30.00x12.00	762x762x305	14	10
363612 SCG	36.00x36.00x12.00	914x914x305	14	10

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Telephone Termination Cabinets

Data Sheet

Application

- Used as telephone and communication cable termination and spare fuse cabinets
- Protects against falling rain, sleet and external ice formation

Construction

- Cabinet and door are fabricated from code gauge galvaneal steel, (see table)
- Cabinet body has embossed mounting holes on the back
- Knockouts are standard on bottom end
- Door is secured to the body with heavy-duty hinges on one side and a T-handle lock with key on the opposite side

Standards

- UL 1863 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

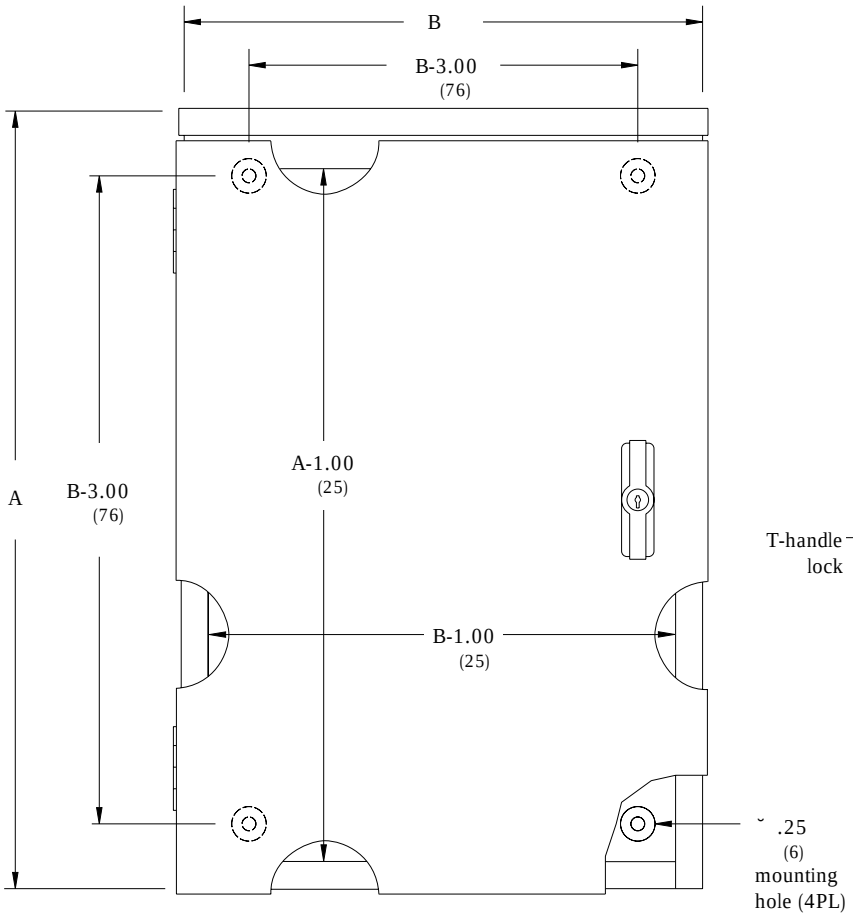
- Locks
- Terminal blocks
- Wood back boards, barriers and shelves
- Touch-up paint
- See Accessories section

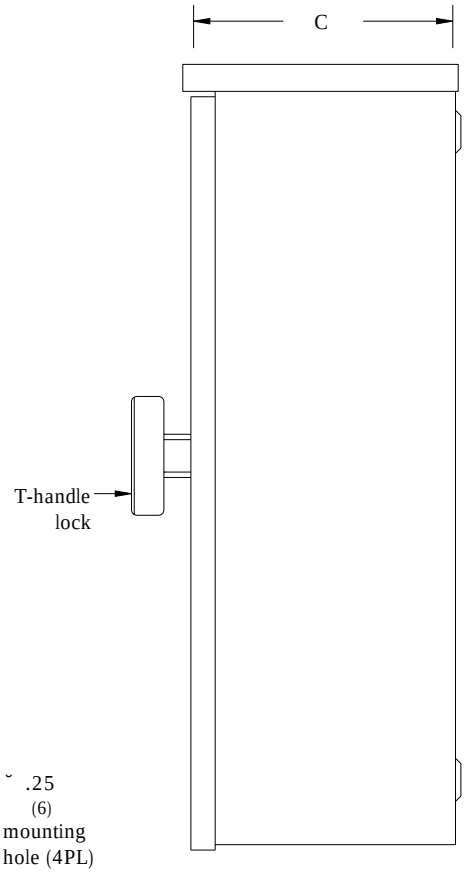
Cabinet Catalog Number	Cabinet Size Height Width Depth A x B x C in.	Cabinet Size Height Width Depth A x B x C mm	Gauge	D in.	D mm	Knockout Pattern Bottom
664 RTC	6.00x6.00x4.00	152x152x102	18	-	-	(E)
884 RTC	8.00x8.00x4.00	203x203x102	18	3.00	76	(E)(E)
12124 RTC	12.00x12.00x4.00	305x305x102	18	3.50	89	(E)(E)(E)
12126 RTC	12.00x12.00x6.00	305x305x152	18	3.50	89	(E)(E)(E)
18126 RTC	18.00x12.00x6.00	457x305x152	18	3.50	89	(E)(E)(E)
18186 RTC	18.00x18.00x6.00	457x457x152	16	6.50	165	(E)(E)(E)
24126 RTC	24.00x12.00x6.00	610x305x152	18	3.50	89	(E)(E)(E)
24186 RTC	24.00x18.00x6.00	610x457x152	16	6.50	165	(E)(E)(E)
30246 RTC	30.00x24.00x6.00	762x610x152	14	9.50	241	(E)(E)(E)
36246 RTC	36.00x24.00x6.00	914x610x152	14	9.50	241	(E)(E)(E)
12128 RTC	12.00x12.00x8.00	305x305x203	18	3.50	89	(E)(E)(E)
18188 RTC	18.00x18.00x8.00	457x457x203	16	6.50	165	(E)(E)(E)
24248 RTC	24.00x24.00x8.00	610x610x203	14	9.50	241	(E)(E)(E)

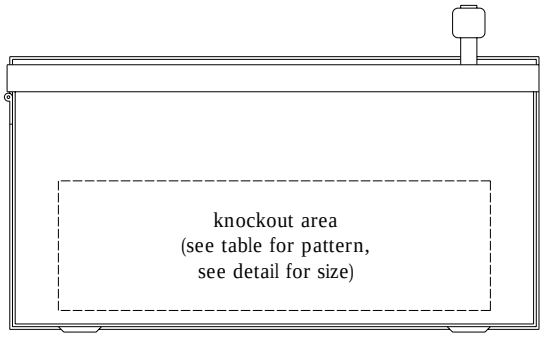
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

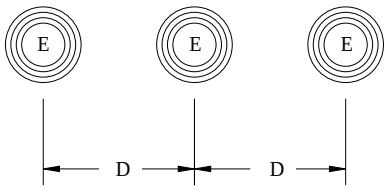
Type 3R Telephone Termination Cabinets

Illustration Sheet









Knockout sizes:
E = 1.25 - 1.00 - .75 - .50 KO
• actual punch size is 1.75

Knockout Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Telephone Termination Cabinets

Data Sheet

Application

- Used as telephone and communication cable termination and spare fuse cabinets
- Protects against falling rain, sleet and external ice formation

Construction

- Cabinet and door are fabricated from code gauge galvaneal steel, (see table)
- Cabinet body has embossed mounting holes on the back
- Knockouts on bottom end are standard on cabinets 24 inches wide or smaller
- Door is secured to the body with heavy-duty hinges on one side and a T-handle lock with key on the opposite side
- .75 inch thick plywood back board is factory mounted
- 6-position ground circuit bar is provided

Standards

- UL 1863 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- Conforms to Pacific Bell standards
- IEC 529, IP32

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

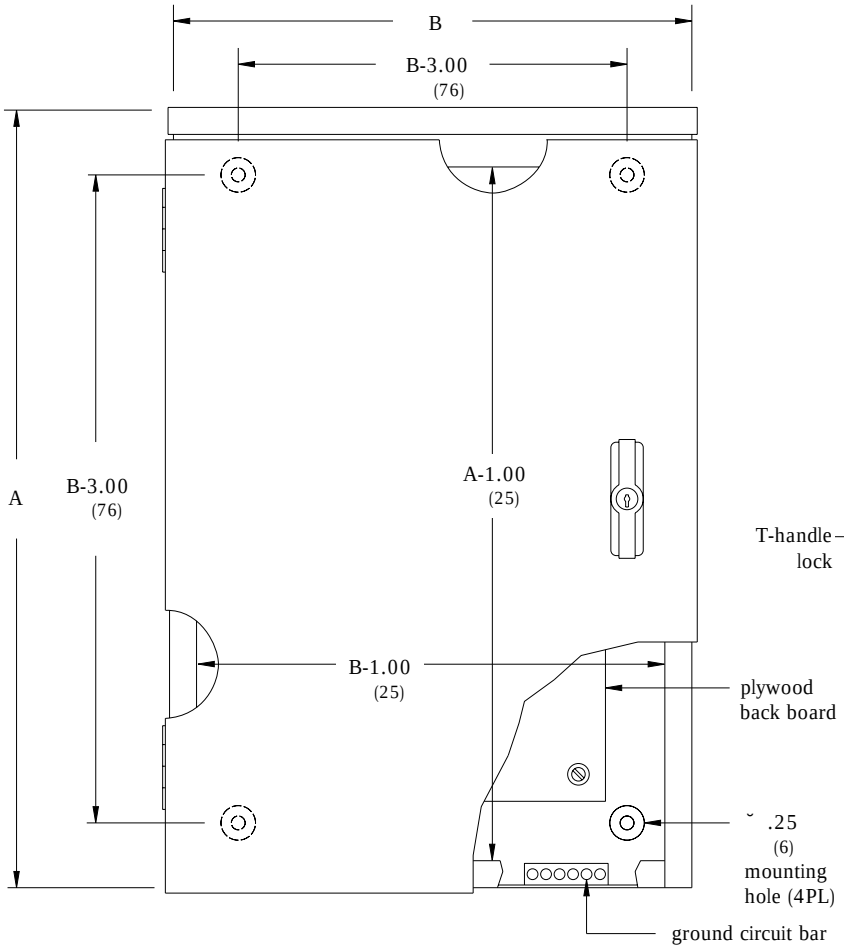
- Locks
- Terminal blocks
- Touch-up paint
- See Accessories section

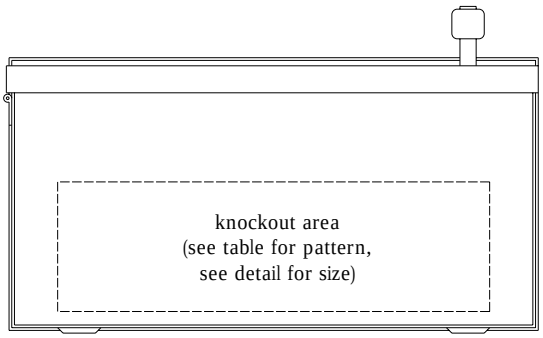
Cabinet Catalog Number	Cabinet Size Height Width Depth A x B x C in.	mm	Gauge	D in.	mm	Knockout Pattern Bottom	Wood Panel Size Height x Width in.	mm
16124 PBRTC	16.00x12.00x4.00	406x305x102	18	3.50	89	EEE	13.00x9.00	330x229
18124 PBRTC	18.00x12.00x4.00	457x305x102	18	3.50	89	EEE	15.00x9.00	381x229
24124 PBRTC	24.00x12.00x4.00	610x305x102	18	3.50	89	EEE	21.00x9.00	533x229
24184 PBRTC	24.00x18.00x4.00	610x457x102	16	6.50	165	EEE	21.00x15.00	533x381
30244 PBRTC	30.00x24.00x4.00	762x610x102	14	9.50	241	EEE	27.00x21.00	686x533
12126 PBRTC	12.00x12.00x6.00	305x305x152	18	3.50	89	EEE	9.00x9.00	229x229
18126 PBRTC	18.00x12.00x6.00	457x305x152	18	3.50	89	EEE	15.00x9.00	381x229
18186 PBRTC	18.00x18.00x6.00	457x457x152	16	6.50	165	EEE	15.00x15.00	381x381
24126 PBRTC	24.00x12.00x6.00	610x305x152	16	3.50	89	EEE	21.00x9.00	533x229
24186 PBRTC	24.00x18.00x6.00	610x457x152	16	6.50	165	EEE	21.00x15.00	533x381
24246 PBRTC	24.00x24.00x6.00	610x610x152	14	9.50	241	EEE	21.00x21.00	533x533
30246 PBRTC	30.00x24.00x6.00	762x610x152	14	9.50	241	EEE	27.00x21.00	686x533
36246 PBRTC	36.00x24.00x6.00	914x610x152	14	9.50	241	EEE	33.00x21.00	838x533
36306 PBRTC	36.00x30.00x6.00	914x762x152	13	-	-	-	33.00x27.00	838x686
36366 PBRTC	36.00x36.00x6.00	914x914x152	13	-	-	-	33.00x33.00	838x838
36308 PBRTC	36.00x30.00x8.00	914x762x203	13	-	-	-	33.00x27.00	838x686
36368 PBRTC	36.00x36.00x8.00	914x914x203	13	-	-	-	33.00x33.00	838x838

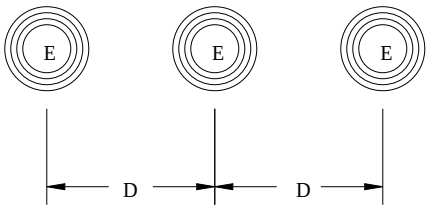
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Telephone Termination Cabinets

Illustration Sheet







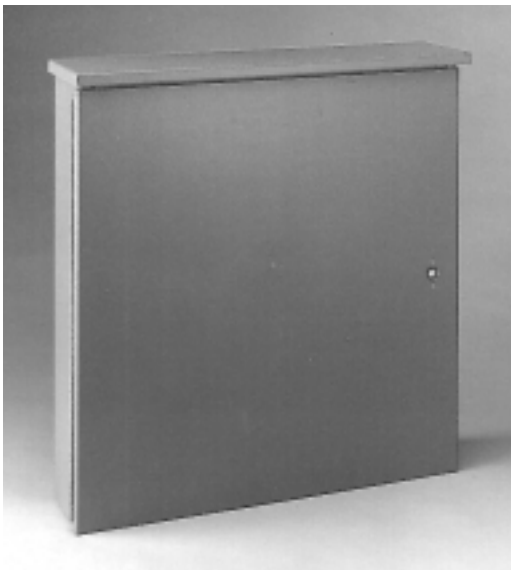
Knockout sizes:
E = 1.25 - 1.00 - .75 - .50 KO
• actual punch size is 1.75

Knockout Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Telephone Termination Cabinets

Data Sheet



Application

- Used as telephone and communication cable termination cabinet

Standards

- Conforms to Mountain Bell Standard
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Construction

- Cabinet and door are fabricated from 14 gauge galvaneal steel
- Knockouts are furnished on the bottom end for access into the cable splicing compartment, (refer to drawing)
- Door is held rigid with stiffeners
- Door is secured to the body with a continuous hinge and stainless steel pin on one side and a hex head flush latch on the opposite side
- Fixed barrier with access knockouts and separate cover isolates the cable splicing compartment
- .75 thick plywood back board is factory mounted

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

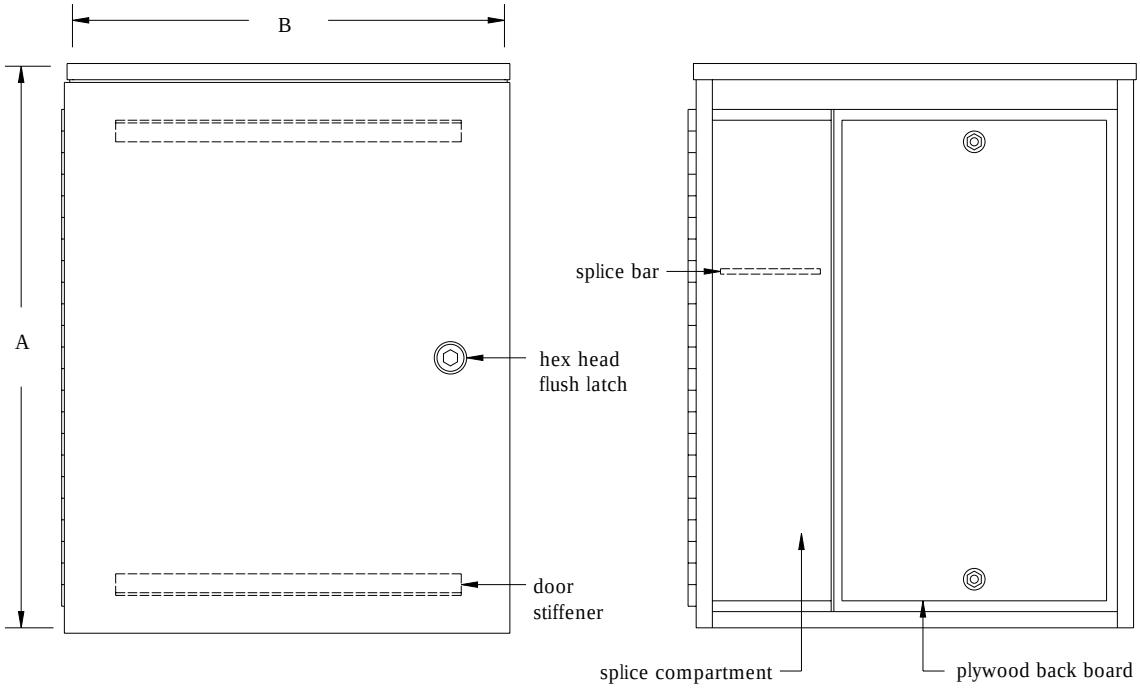
- Flush Lock
- Terminal blocks
- Touch-up paint
- See Accessories section

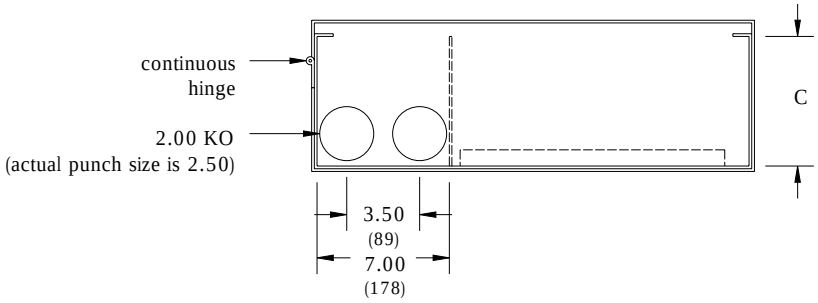
Cabinet	Cabinet Size		Wood Panel Size	
	Height x Width x Depth		Height x Width	
Catalog Number	A x B x C in.	A x B x C mm	in.	mm
26245 MBTC	26.00x24.00x5.00	660x610x127	23.00x15.00	584x381
36305 MBTC	36.00x30.00x5.00	914x762x127	33.00x21.00	838x533
36365 MBTC	36.00x36.00x5.00	914x914x127	33.00x27.00	838x686
26246 MBTC	26.00x24.00x6.00	660x610x152	23.00x15.00	584x381
36306 MBTC	36.00x30.00x6.00	914x762x152	33.00x21.00	838x533
36366 MBTC	36.00x36.00x6.00	914x914x152	33.00x27.00	838x686

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Telephone Termination Cabinets

Illustration Sheet





Cabinet Bottom
(door removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Notes

TYPE 3R CURRENT TRANSFORMER ENCLOSURES

Screw Cover Enclosures 88
Hinge Cover Enclosures 91

B-Line
SYSTEMS THAT MAKE SENSE
ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 3R Current Transformer Screw Cover Enclosures

Data Sheet

Application

- Designed to house current transformers
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for Utility current transformer mounting equipment, (see table)
- Cover is held secure by sliding it under the top end flange and fastening it to the bottom end and side flanges
- Cover mounting studs and wing nuts have a Utility sealing hole provision as well as a padlocking provision for sealing the cover to the enclosure
- Enclosures 36 inches wide x 42 inches high and larger have two overlapping covers
- Fixed cover handles (new design not shown)
- Ground lug is mounted on the inside bottom end of each cabinet

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Current Transformer Screw Cover Enclosures

Catalog Number

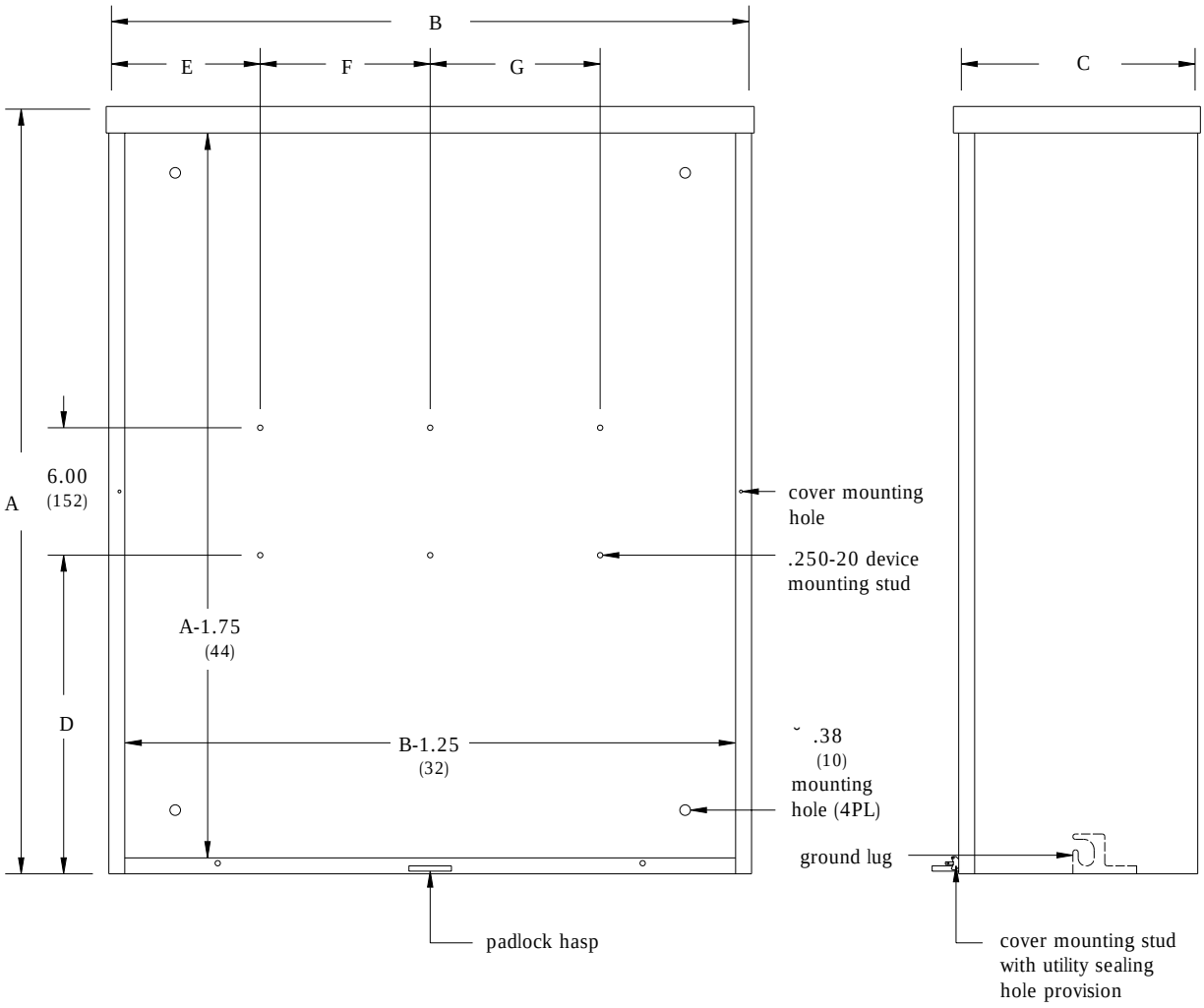
Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Gauge	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm
18249 RTCT	24.00x18.00x9.00	610x457x229	16	-	-	-	-	-	-	-	-
24329 RTCT	32.00x24.00x9.00	813x610x229	14	-	-	-	-	-	-	-	-
242411 RTCT	24.00x24.00x11.00	610x610x279	14	9.00	229	8.00	203	8.00	203	-	-
243011 RTCT	30.00x24.00x11.00	762x610x279	14	12.00	305	8.00	203	8.00	203	-	-
243611 RTCT	36.00x24.00x11.00	914x610x279	14	15.00	381	8.00	203	8.00	203	-	-
244811 RTCT	48.00x24.00x11.00	1219x610x279	14	21.00	533	8.00	203	8.00	203	-	-
303011 RTCT	30.00x30.00x11.00	762x762x279	12	12.00	305	7.00	178	8.00	203	8.00	203
303611 RTCT	36.00x30.00x11.00	914x762x279	12	15.00	381	7.00	178	8.00	203	8.00	203
363611 RTCT	36.00x36.00x11.00	914x914x279	12	15.00	381	10.00	254	8.00	203	8.00	203
364211 RTCT	42.00x36.00x11.00	1067x914x279	12	18.00	457	10.00	254	8.00	203	8.00	203
364811 RTCT	48.00x36.00x11.00	1219x914x279	12	21.00	533	10.00	254	8.00	203	8.00	203
424211 RTCT	42.00x42.00x11.00	1067x1067x279	12	18.00	457	13.00	330	8.00	203	8.00	203
484811 RTCT	48.00x48.00x11.00	1219x1219x279	12	-	-	-	-	-	-	-	-
303614 RTCT	36.00x30.00x14.00	914x762x356	12	15.00	381	7.00	178	8.00	203	8.00	203
364814 RTCT	48.00x36.00x14.00	1219x914x356	12	21.00	533	10.00	254	8.00	203	8.00	203

Consult the local Utility for area acceptance.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Current Transformer Screw Cover Enclosures

Illustration Sheet



Front View
(cover removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 3R Current Transformer Hinge Cover Enclosures

Data Sheet

Application

- Designed to house current transformers
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R
- IEC 529, IP32

Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for Utility current transformer mounting equipment, (see table)
- Covers are secured to the body with a heavy-duty slip-hinge on the left side and mounting studs and wing nuts with Utility sealing hole provisions on the opposite side
- Covers are completely removable when in the open position
- Fixed door handles (new design not shown)
- Ground lug is mounted on the inside bottom end of each cabinet

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

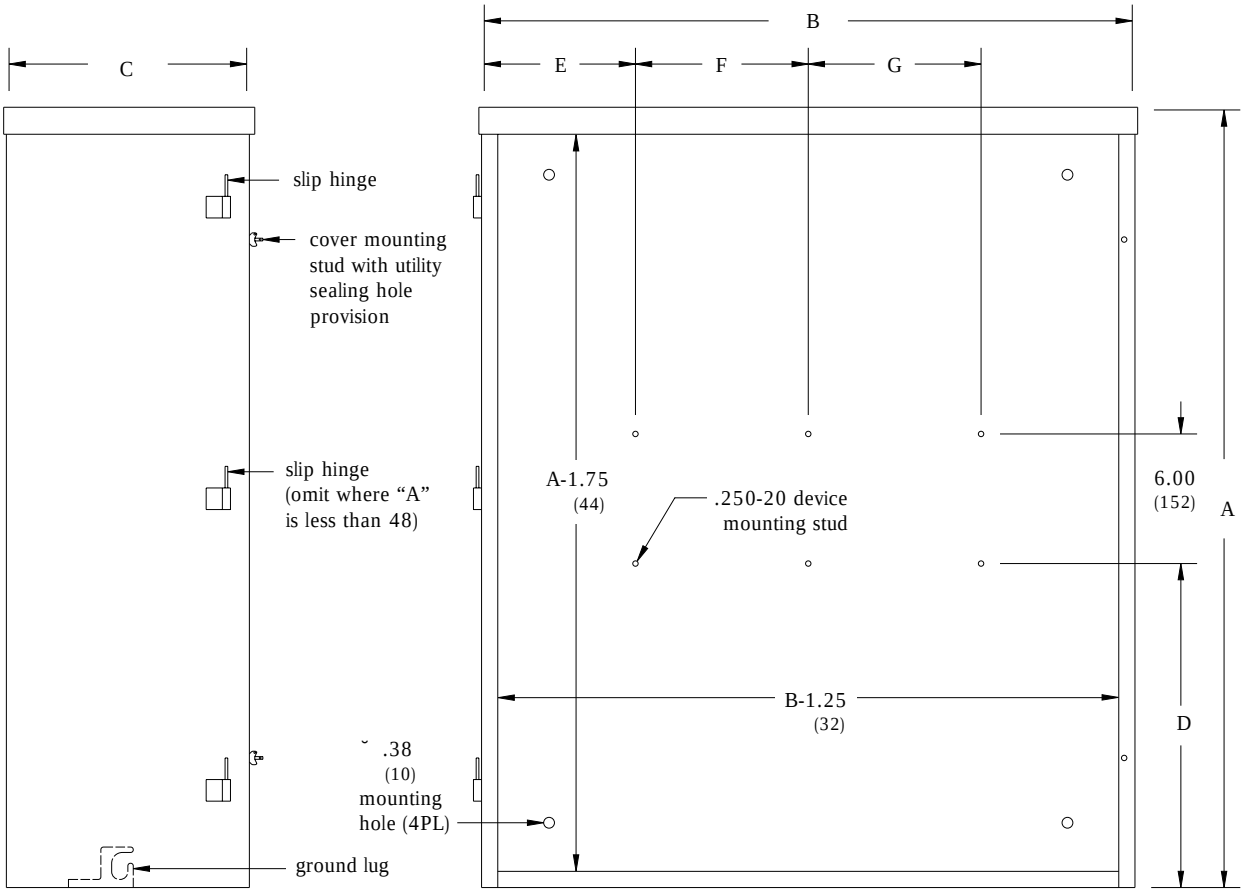
Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Gauge	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm
203611 HRTCT	36.00x20.00x11.00	914x508x279	14	-	-	-	-	-	-	-	-
243011 HRTCT	30.00x24.00x11.00	762x610x279	14	12.00	305	8.00	203	8.00	203	-	-
244811 HRTCT	48.00x24.00x11.00	1219x610x279	14	21.00	533	8.00	203	8.00	203	-	-
303611 HRTCT	36.00x30.00x11.00	914x762x279	12	15.00	381	7.00	178	8.00	203	8.00	203
304811 HRTCT	48.00x30.00x11.00	1219x762x279	12	21.00	533	7.00	178	8.00	203	8.00	203
363611 HRTCT	36.00x36.00x11.00	914x914x279	12	15.00	381	10.00	254	8.00	203	8.00	203
364811 HRTCT	48.00x36.00x11.00	1219x914x279	12	21.00	533	10.00	254	8.00	203	8.00	203

Consult the local Utility for area acceptance.

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 3R Current Transformer Hinge Cover Enclosures

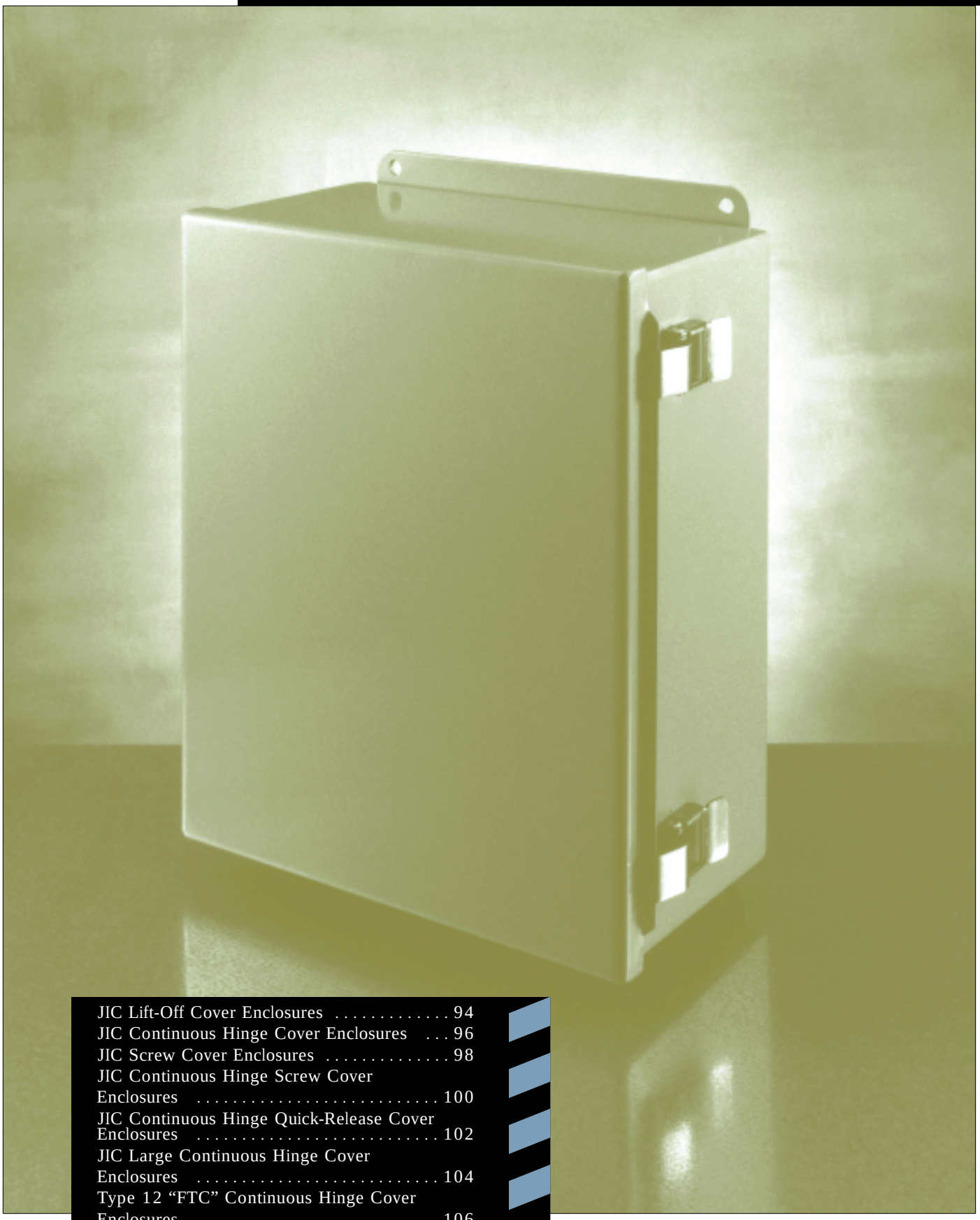
Illustration Sheet



Side View
(cover removed)

Front View
(cover removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



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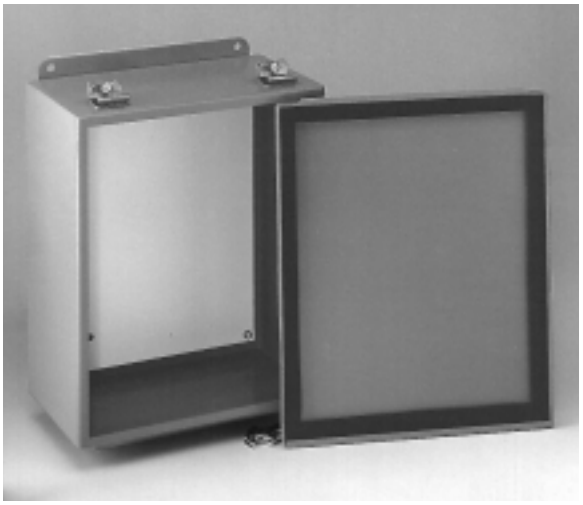
B-Line® SYSTEMS THAT MAKE SENSE ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 12 JIC Lift-Off Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with semi-hinge(s) on one side and easy-to-operate screw clamps mounted to the opposite side
- Chain holds cover to body when screw clamps are released
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and clamps are zinc plated with a yellow chromate finish

Accessories

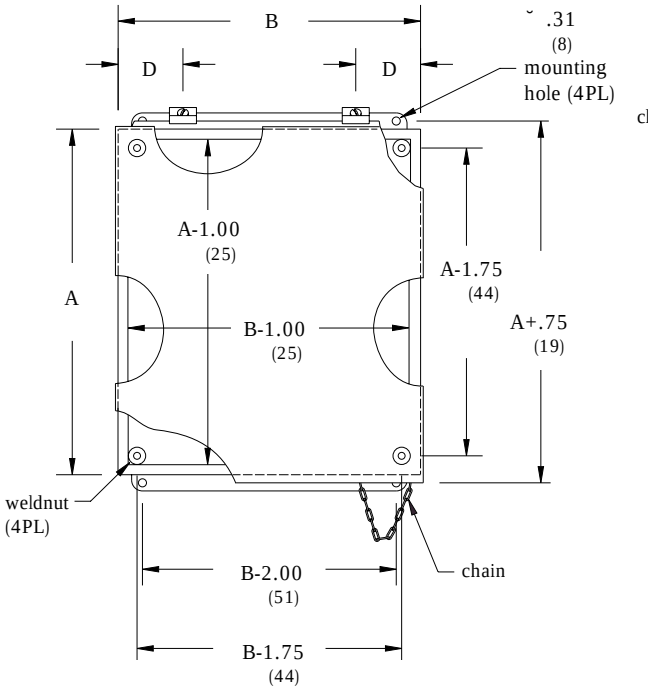
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

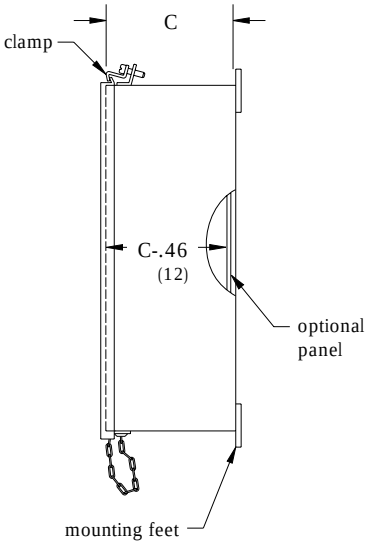
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

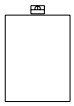
Type 12 JIC Lift-Off Cover Enclosures

Catalog Number

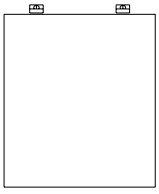
Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
443-12LC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	-
643-12LC	6.00x4.00x3.00	152x102x76	2.00	51	**AW64P**	4.87x2.87	124x73
863.5-12LC	8.00x6.00x3.50	203x152x89	3.00	76	**AW86P**	6.87x4.87	174x124
444-12LC	4.00x4.00x4.00	102x102x102	2.00	51	-	-	-
644-12LC	6.00x4.00x4.00	152x102x102	2.00	51	**AW64P**	4.87x2.87	124x73
664-12LC	6.00x6.00x4.00	152x152x102	3.00	76	**AW66P**	4.87x4.87	124x124
884-12LC	8.00x8.00x4.00	203x203x102	2.00	51	**AW88P**	6.87x6.87	174x174
1084-12LC	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	8.87x6.87	225x174
12105-12LC	12.00x10.00x5.00	305x254x127	2.00	51	**AW1210P**	10.87x8.87	276x225
866-12LC	8.00x6.00x6.00	203x152x152	3.00	76	**AW86P**	6.87x4.87	174x124
1086-12LC	10.00x8.00x6.00	254x203x152	2.00	51	**AW108P**	8.87x6.87	225x174
10106-12LC	10.00x10.00x6.00	254x254x152	2.00	51	**AW1010P**	8.87x8.87	225x225
12126-12LC	12.00x12.00x6.00	305x305x152	3.00	76	**AW1212P**	10.87x10.87	276x276
14126-12LC	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	12.87x10.87	327x276
16146-12LC	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	14.87x12.87	378x327
16148-12LC	16.00x14.00x8.00	406x356x203	3.00	76	**AW1614P**	14.87x12.87	378x327







443-12LC
643-12LC
863.5-12LC
444-12LC
644-12LC
664-12LC
866-12LC



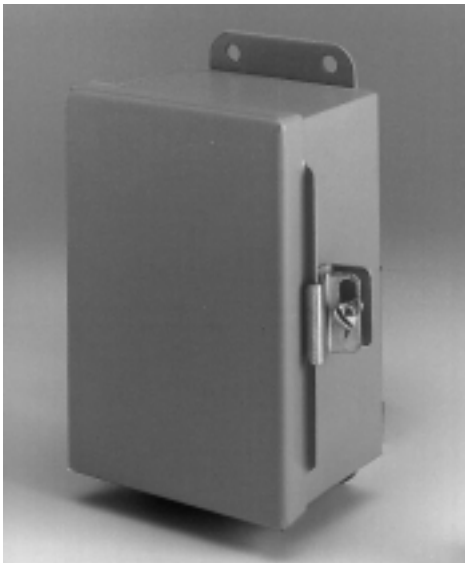
884-12LC
1084-12LC
12105-12LC
1086-12LC
10106-12LC
12126-12LC
14126-12LC
16146-12LC
16148-12LC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Continuous Hinge Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and easy-to-operate screw clamps mounted to the opposite side
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and clamps are zinc plated with a yellow chromate finish

Accessories

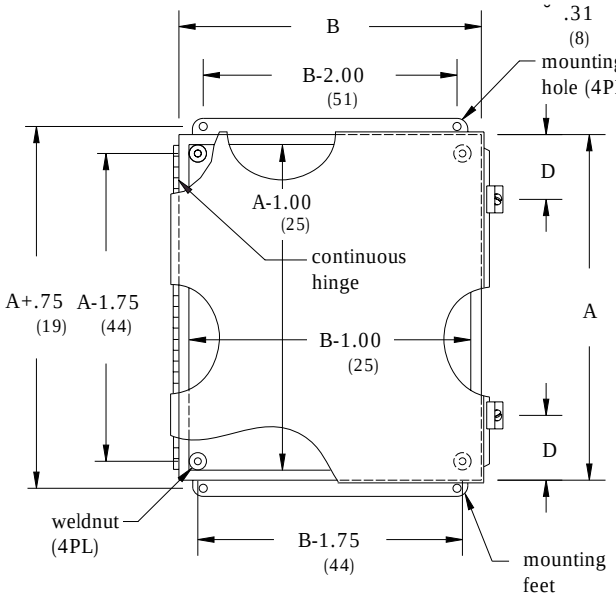
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

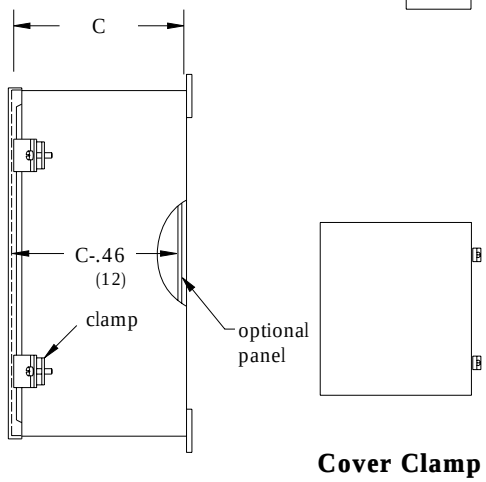
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 JIC Continuous Hinge Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
443-12CHC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	-
643-12CHC	6.00x4.00x3.00	152x102x76	3.00	76	**AW64P**	4.87x2.87	124x73
863.5-12CHC	8.00x6.00x3.50	203x152x89	4.00	102	**AW86P**	6.87x4.87	174x124
444-12CHC	4.00x4.00x4.00	102x102x102	2.00	51	-	-	-
644-12CHC	6.00x4.00x4.00	152x102x102	3.00	76	**AW64P**	4.87x2.87	124x76
664-12CHC	6.00x6.00x4.00	152x152x102	3.00	76	**AW66P**	4.87x4.87	124x124
884-12CHC	8.00x8.00x4.00	203x203x102	4.00	102	**AW88P**	6.87x6.87	174x174
1084-12CHC	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	8.87x6.87	225x174
1084-12CHCS	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	8.87x6.87	225x174
1264-12CHC	12.00x6.00x4.00	305x152x102	3.00	76	**AW126P**	10.87x4.87	272x124
12105-12CHC	12.00x10.00x5.00	305x254x127	3.00	76	**AW1210P**	10.87x8.87	272x225
12105-12CHCS	12.00x10.00x5.00	305x254x127	3.00	76	**AW1210P**	10.87x8.87	272x225
866-12CHC	8.00x6.00x6.00	203x152x152	4.00	102	**AW86P**	6.87x4.87	174x124
886-12CHC	8.00x8.00x6.00	203x203x152	4.00	102	**AW88P**	6.87x6.87	174x174
1086-12CHC	10.00x8.00x6.00	254x203x152	2.00	51	**AW108P**	8.87x6.87	225x174
10106-12CHC	10.00x10.00x6.00	254x254x152	2.00	51	**AW1010P**	8.87x8.87	225x225
12106-12CHC	12.00x10.00x6.00	305x254x152	3.00	76	**AW1210P**	10.87x8.87	272x225
12126-12CHC	12.00x12.00x6.00	305x305x152	3.00	76	**AW1212P**	10.87x10.87	272x272
1486-12CHC	14.00x8.00x6.00	356x203x152	3.00	76	**AW148P**	12.87x6.87	327x174
14126-12CHC	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	12.87x10.87	327x272
14126-12CHCS	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	12.87x10.87	327x272
16106-12CHC	16.00x10.00x6.00	406x254x152	3.00	76	**AW1610P**	14.87x8.87	378x225
16146-12CHC	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	14.87x12.87	378x327
16146-12CHCS	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	14.87x12.87	378x327
10108-12CHC	10.00x10.00x8.00	254x254x203	2.00	51	**AW1010P**	8.87X8.87	225X225
12108-12CHC	12.00x10.00x8.00	305x254x203	3.00	76	**AW1210P**	10.87x8.87	272x225
14128-12CHC	14.00x12.00x8.00	356x305x203	3.00	76	**AW1412P**	12.87x10.87	327x272
16148-12CHC	16.00x14.00x8.00	406x356x203	3.00	76	**AW1614P**	14.87x12.87	378x327
161410-12CHC	16.00x14.00x10.00	406x356x254	3.00	76	**AW1614P**	14.87x12.87	378x327





Cover Clamp Layout

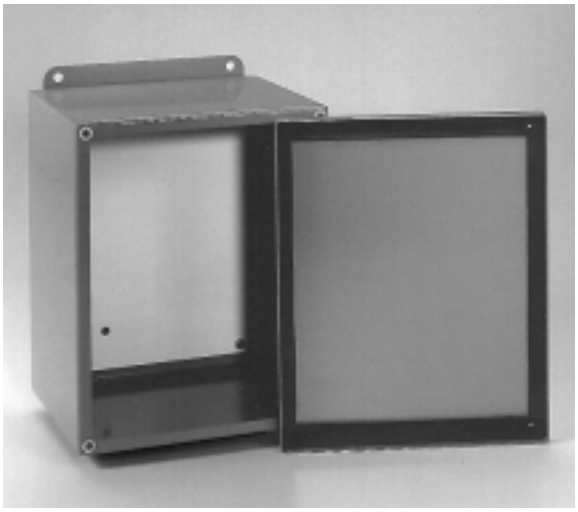
443-12CHC
643-12CHC
444-12CHC
644-12CHC
664-12CHC
863.5-12CHC
884-12CHC
866-12CHC
886-12CHC

1084-12CHC
1264-12CHC
12105-12CHC
1086-12CHC
10106-12CHC
12106-12CHC
12126-12CHC
1486-12CHC
14126-12CHC
16106-12CHC
10108-12CHC
16146-12CHC
12108-12CHC
14128-12CHC
16148-12CHC
161410-12CHC

Notes: Catalog numbers ending in -12 CHCS are hinged on the short side.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Screw Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

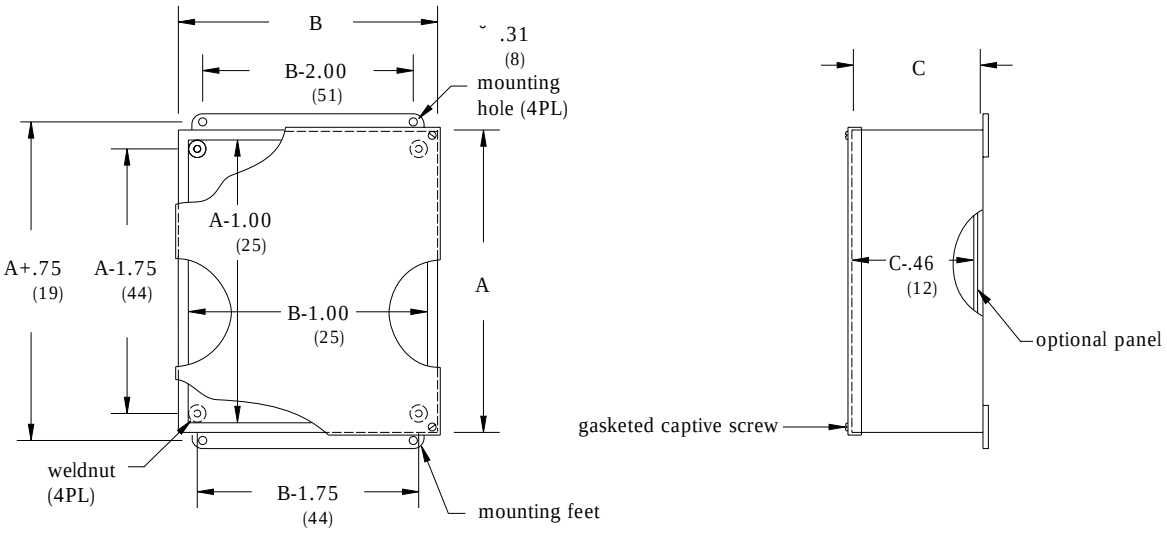
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 JIC Screw Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
443-12SC	4.00x4.00x3.00	102x102x76	**-**	-	-
643-12SC	6.00x4.00x3.00	152x102x76	**AW64P**	4.87x2.87	124x73
863.5-12SC	8.00x6.00x3.50	203x152x89	**AW86P**	6.87x4.87	174x124
444-12SC	4.00x4.00x4.00	102x102x102	**-**	-	-
644-12SC	6.00x4.00x4.00	152x102x102	**AW64P**	4.87x2.87	124x73
664-12SC	6.00x6.00x4.00	152x152x102	**AW66P**	4.87x4.87	124x124
884-12SC	8.00x8.00x4.00	203x203x102	**AW88P**	6.87x6.87	174x174
1084-12SC	10.00x8.00x4.00	254x203x102	**AW108P**	8.87x6.87	225x174
10104-12SC	10.00x10.00x4.00	254x254x102	**AW1010P**	8.87x8.87	225x225
12105-12SC	12.00x10.00x5.00	305x254x127	**AW1210P**	10.87x8.87	272x225
866-12SC	8.00x6.00x6.00	203x152x152	**AW86P**	6.87x4.87	174x124
1086-12SC	10.00x8.00x6.00	254x203x152	**AW108P**	8.87x6.87	225x174
10106-12SC	10.00x10.00x6.00	254x254x152	**AW1010P**	8.87x8.87	225x225
12126-12SC	12.00x12.00x6.00	305x305x152	**AW1212P**	10.87x10.87	272x272
14126-12SC	14.00x12.00x6.00	356x305x152	**AW1412P**	12.87x10.87	327x272
16146-12SC	16.00x14.00x6.00	406x356x152	**AW1614P**	14.87x12.87	378x327



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Continuous Hinge Screw Cover Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

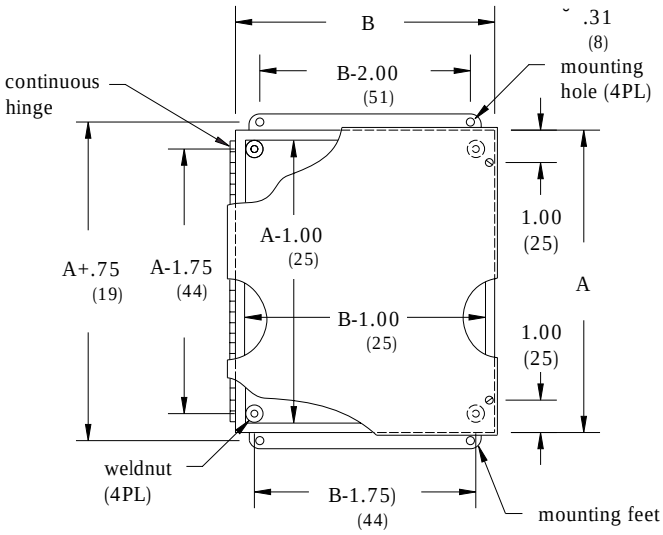
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

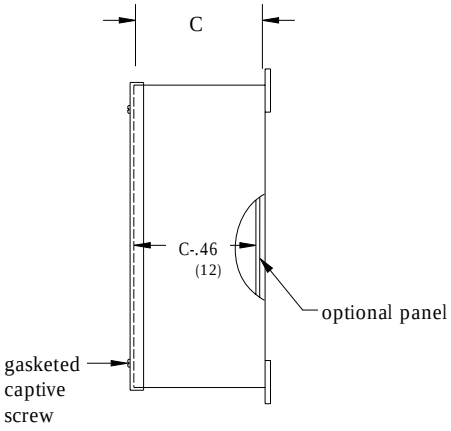
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 JIC Continuous Hinge Screw Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
664-12CHSC	6.00x6.00x4.00	152x152x102	**AW66P**	4.87x4.87	124x124
864-12CHSC	8.00x6.00x4.00	203x152x102	**AW86P**	6.87x4.87	174x124
884-12CHSC	8.00x8.00x4.00	203x203x102	**AW88P**	6.87x6.87	174x174
1084-12CHSC	10.00x8.00x4.00	254x203x102	**AW108P**	8.87x6.87	225x174
10104-12CHSC	10.00x10.00x4.00	254x254x102	**AW1010P**	8.87x8.87	225x225
12104-12CHSC	12.00x10.00x4.00	305x254x102	**AW1210P**	10.87x8.87	272x225
866-12CHSC	8.00x6.00x6.00	203x152x152	**AW86P**	6.87x4.87	174x124
886-12CHSC	8.00x8.00x6.00	203x203x152	**AW88P**	6.87x6.87	174x174
1086-12CHSC	10.00x8.00x6.00	254x203x152	**AW108P**	8.87x6.87	225x174
10106-12CHSC	10.00x10.00x6.00	254x254x152	**AW1010P**	8.87x8.87	225x225
12106-12CHSC	12.00x10.00x6.00	305x254x152	**AW1210P**	10.87x8.87	272x225
12126-12CHSC	12.00x12.00x6.00	305x305x152	**AW1212P**	10.87x10.87	272x272
14126-12CHSC	14.00x12.00x6.00	356x305x152	**AW1412P**	12.87x10.87	327x272

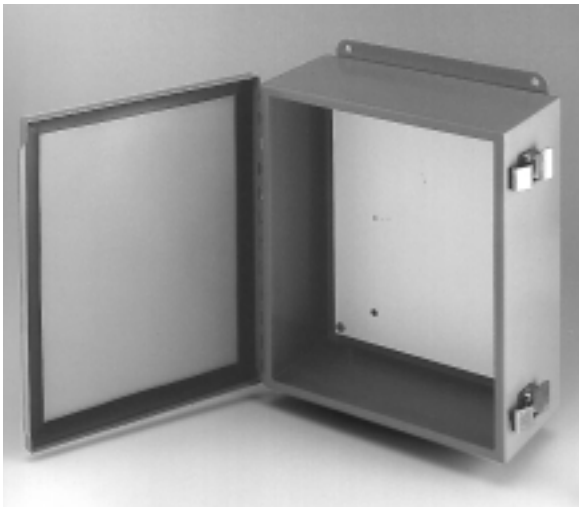




Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 JIC Continuous Hinge Quick-Release Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and quick-release latches mounted to the opposite side
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Latches are zinc plated with a yellow chromate finish

Accessories

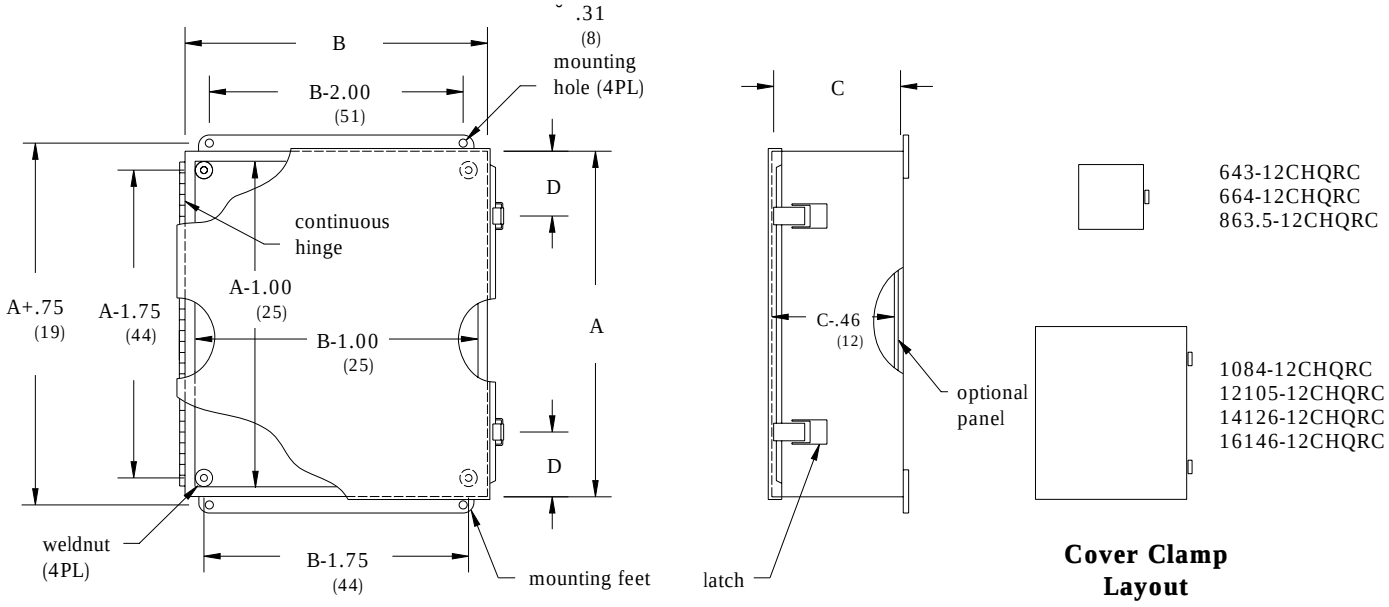
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 JIC Continuous Hinge Quick-Release Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
643-12CHQRC	6.00x4.00x3.00	152x102x76	3.00	76	**AW64P**	4.87x2.87	124x73
863.5-12CHQRC	8.00x6.00x3.50	203x152x102	4.00	102	**AW86P**	6.87x4.87	174x124
664-12CHQRC	6.00x6.00x4.00	152x152x102	3.00	76	**AW66P**	4.87x4.87	124x124
1084-12CHQRC	10.00x8.00x4.00	254x203x102	2.00	51	**AW108P**	8.87x6.87	225x174
12105-12CHQRC	12.00x10.00x5.00	305x254x127	3.00	76	**AW1210P**	10.87x8.87	272x225
14126-12CHQRC	14.00x12.00x6.00	356x305x152	3.00	76	**AW1412P**	12.87x10.87	327x272
16146-12CHQRC	16.00x14.00x6.00	406x356x152	3.00	76	**AW1614P**	14.87x12.87	378x327

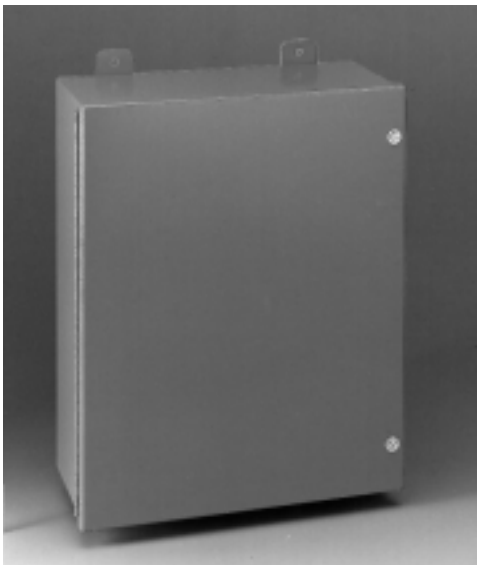


Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Large Continuous Hinge Screw Cover Enclosures

Data Sheet



Application

• Houses electrical controls and instruments
• Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

• UL 508 listed, Type 13 and Type 12
• CSA C22.2 No.94 certified, Type 13 and Type 12
• Conforms to NEMA standard for Type 13 and Type 12
• Conforms to JIC standard EGP-1-1967
• IEC 529, IP65

Construction

• Enclosure and door are fabricated from (14) gauge steel
• All continuous welded seams are finished smooth
• Door is secured to the body with a continuous hinge on one side and captive hex head screws which thread into sealed well nuts on the opposite side
• Each door has a print pocket
• Door has a fixed, oil-resistant gasket
• Ground stud provided on door
• Heavy gauge panel mounted to .375-16 collar studs is provided with enclosure
• External mounting feet are provided for secure wall mounting

Finish

• Wash and phosphate undercoat
• ANSI 61 gray polyester powder finish
• Panels have a white enamel finish

Accessories

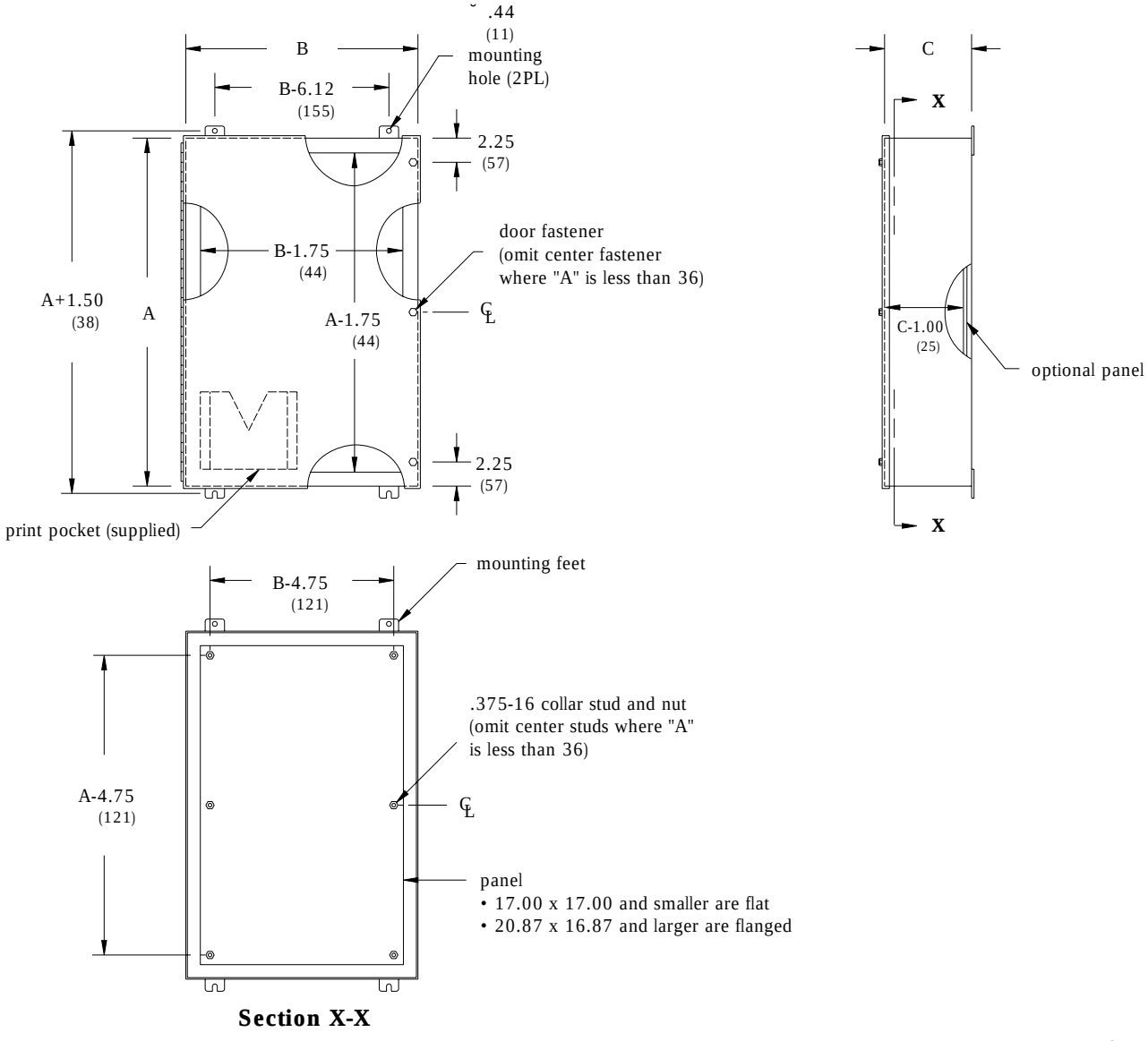
• NEMA terminal strap kit
• Terminal blocks
• Touch-up paint
• See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Large Continuous Hinge Screw Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
20167-12CHSC	20.00x16.00x7.00	508x406x178	17.00x13.00	432x330
20207-12CHSC	20.00x20.00x7.00	508x508x178	17.00x17.00	432x432
24207-12CHSC	24.00x20.00x7.00	610x508x178	20.87x16.87	530x428
30207-12CHSC	30.00x20.00x7.00	762x508x178	26.87x16.87	682x428
30247-12CHSC	30.00x24.00x7.00	762x610x178	26.87x20.87	682x530
36247-12CHSC	36.00x24.00x7.00	914x610x178	32.87x20.87	835x530
24209-12CHSC	24.00x20.00x9.00	610x508x229	20.87x16.87	530x428
30209-12CHSC	30.00x20.00x9.00	762x508x229	26.87x16.87	682x428
30249-12CHSC	30.00x24.00x9.00	762x610x229	26.87x20.87	682x530
36249-12CHSC	36.00x24.00x9.00	914x610x229	32.87x20.87	835x530



Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 “FTC” Continuous Hinge Cover Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 Listed, Type 13 and Type 12
- CSA C22.2 No. 94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- IEC 529, IP65

Construction

- Enclosure and door are fabricated from 16 gauge steel
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Seamless foam-in-place one piece gasket provides oil-tight and dust-tight seal against contaminants
- Integral compression stop to prevent damage from excessive compression of gasket and increase gasket performance
- Ground stud provided on door
- Door is secured to the body with a continuous hinge on one side and heavy-duty latches on the opposite side
- #10-32 weldnuts are provided for mounting optional panels
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white enamel finish

Accessories

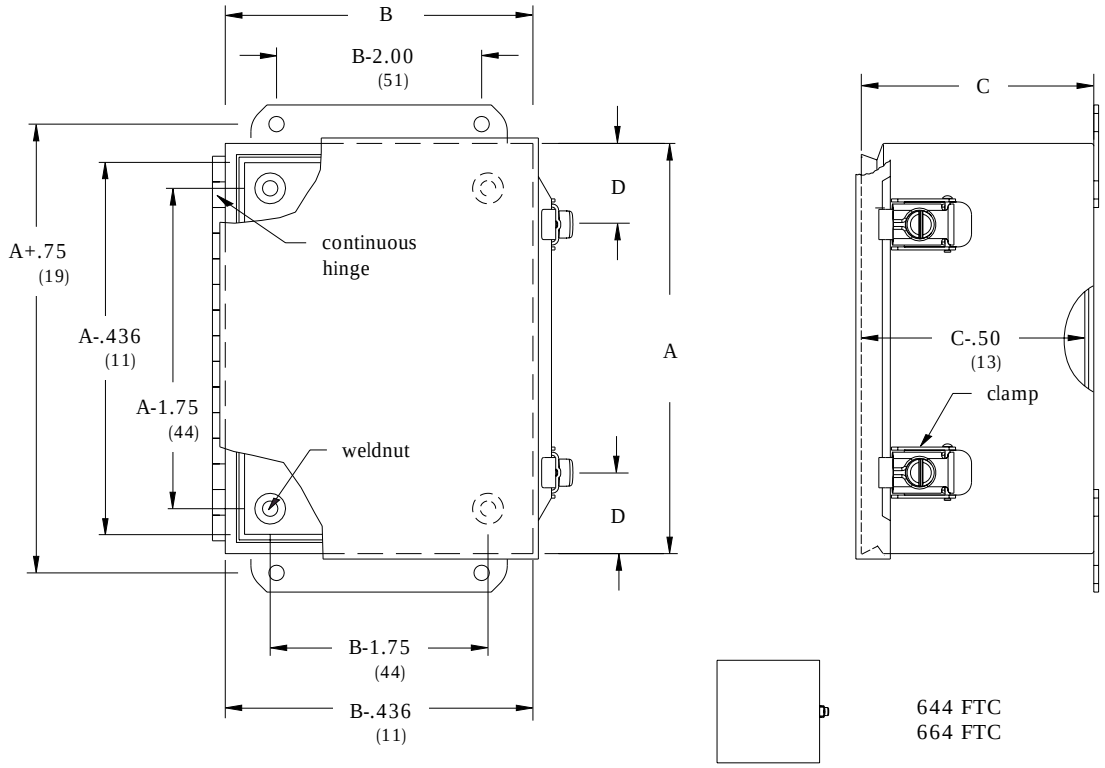
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- JIC terminal blocks
- Lock kit
- Touch-up paint

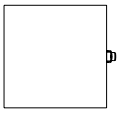
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 "FTC" Continuous Hinge Cover Enclosures

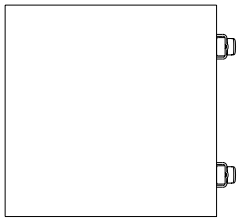
Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	mm	Panel Catalog Number	Panel Size Height x Width in.	mm
644-FTC	6.00x4.00x4.54	152x102x115	3.00	76	**AW64P**	4.87x2.87	124x73
664-FTC	6.00x6.00x4.54	152x152x115	3.00	76	**AW66P**	4.87x4.87	124x124
864-FTC	8.00x6.00x4.54	203x152x115	2.00	51	**AW86P**	6.87x4.87	174x124
1084-FTC	10.00x8.00x4.54	254x203x115	2.00	51	**AW108P**	8.87x6.87	225x174
12105-FTC	12.00x10.00x5.54	305x254x141	2.00	51	**AW1210P**	10.87x8.87	272x225
14126-FTC	14.00x12.00x6.54	356x305x166	2.00	51	**AW1412P**	12.87x10.87	327x272
16146-FTC	16.00x14.00x6.54	406x356x166	2.00	51	**AW1614P**	14.87x12.87	378x327





644 FTC
664 FTC



864 FTC
1084 FTC
12105 FTC
14126 FTC
16146 FTC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Single-Door Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release door clamps mounted to the opposite side
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Type 12 door handle kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Single-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.	mm	Gauge	Panel Catalog Number	Panel Size Height x Width in.	mm
12246-12	12.00x24.00x6.00	305x610x152	16	**AW2412P**	9.00x21.00	229x533
16126-12	16.00x12.00x6.00	406x305x152	16	**AW1612P**	13.00x9.00	330x229
16166-12	16.00x16.00x6.00	406x406x152	16	**AW1616P**	13.00x13.00	330x330
16206-12	16.00x20.00x6.00	406x508x152	16	**AW2016P**	13.00x17.00	330x432
20126-12	20.00x12.00x6.00	508x305x152	16	**AW2012P**	17.00x9.00	432x229
20166-12	20.00x16.00x6.00	508x406x152	16	**AW2016P**	17.00x13.00	432x330
20206-12	20.00x20.00x6.00	508x508x152	16	**AW2020P**	17.00x17.00	432x432
20246-12	20.00x24.00x6.00	508x610x152	16	**AW2420P**	16.87x20.87	428x530
24126-12	24.00x12.00x6.00	610x305x152	16	**AW2412P**	21.00x9.00	533x229
24166-12	24.00x16.00x6.00	610x406x152	16	**AW2416P**	21.00x13.00	533x330
24206-12	24.00x20.00x6.00	610x508x152	16	**AW2420P**	20.87x16.87	530x428
24246-12	24.00x24.00x6.00	610x610x152	14	**AW2424P**	20.87x20.87	530x530
30166-12	30.00x16.00x6.00	762x406x152	16	**AW3016P**	26.87x12.87	682x327
30206-12	30.00x20.00x6.00	762x508x152	14	**AW3020P**	26.87x16.87	682x428
30246-12	30.00x24.00x6.00	762x610x152	14	**AW3024P**	26.87x20.87	682x530
36246-12	36.00x24.00x6.00	914x610x152	14	**AW3024P**	32.87x20.87	835x530
36306-12	36.00x30.00x6.00	914x762x152	14	**AW3030P**	32.87x26.87	835x682
36366-12	36.00x36.00x6.00	914x914x152	14	**AW3636P**	32.87X32.87	835X835
12248-12	12.00x24.00x8.00	305x610x203	16	**AW2412P**	9.00x21.00	229x533
16128-12	16.00x12.00x8.00	406x305x203	16	**AW1612P**	13.00x9.00	330x229
16168-12	16.00x16.00x8.00	406x406x203	16	**AW1616P**	13.00x13.00	330x330
16208-12	16.00x20.00x8.00	406x508x203	16	**AW2016P**	13.00x17.00	330x432
20128-12	20.00x12.00x8.00	508x305x203	16	**AW2012P**	17.00x9.00	432x229
20168-12	20.00x16.00x8.00	508x406x203	16	**AW2016P**	17.00x13.00	432x330
20208-12	20.00x20.00x8.00	508x508x203	16	**AW2020P**	17.00x17.00	432x432
20248-12	20.00x24.00x8.00	508x610x203	16	**AW2420P**	16.87x20.87	428x530
24128-12	24.00x12.00x8.00	610x305x203	16	**AW2412P**	21.00x9.00	533x229
24168-12	24.00x16.00x8.00	610x406x203	16	**AW2416P**	21.00x13.00	533x330
24208-12	24.00x20.00x8.00	610x508x203	16	**AW2420P**	20.87x16.87	530x428
24248-12	24.00x24.00x8.00	610x610x203	14	**AW2424P**	20.87x20.87	530x530
24308-12	24.00x30.00x8.00	610x762x203	14	**AW3024P**	20.87x26.87	530x682
30208-12	30.00x20.00x8.00	762x508x203	14	**AW3020P**	26.87x16.87	682x428
30248-12	30.00x24.00x8.00	762x610x203	14	**AW3024P**	26.87x20.87	682x530
30308-12	30.00x30.00x8.00	762x762x203	14	**AW3030P**	26.87x26.87	682x682
30368-12	30.00x36.00x8.00	762x914x203	14	**AW3630P**	26.87x32.87	682x835
36248-12	36.00x24.00x8.00	914x610x203	14	**AW3624P**	32.87x20.87	835x530
36308-12	36.00x30.00x8.00	914x762x203	14	**AW3630P**	32.87x26.87	835x682
36368-12	36.00x36.00x8.00	914x914x203	14	**AW3636P**	32.87x32.87	835x835
42248-12	42.00x24.00x8.00	1067x670x203	14	**AW4224P**	38.87x20.87	987x530
42308-12	42.00x30.00x8.00	1067x762x203	14	**AW4230P**	38.87x26.87	987x682
42368-12	42.00x36.00x8.00	1067x914x203	14	**AW4236P**	38.87x32.87	987x835
48248-12	48.00x24.00x8.00	1219x610x203	14	**AW4824P**	44.87x20.87	1140x530
48308-12	48.00x30.00x8.00	1219x762x203	14	**AW4830P**	44.87x26.87	1140x682
48368-12	48.00x36.00x8.00	1219x914x203	14	**AW4836P**	44.87x32.87	1140x835
60368-12	60.00x36.00x8.00	1524x914x203	14	**AW6036P**	56.87x32.87	1444x835

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Single-Door Enclosures

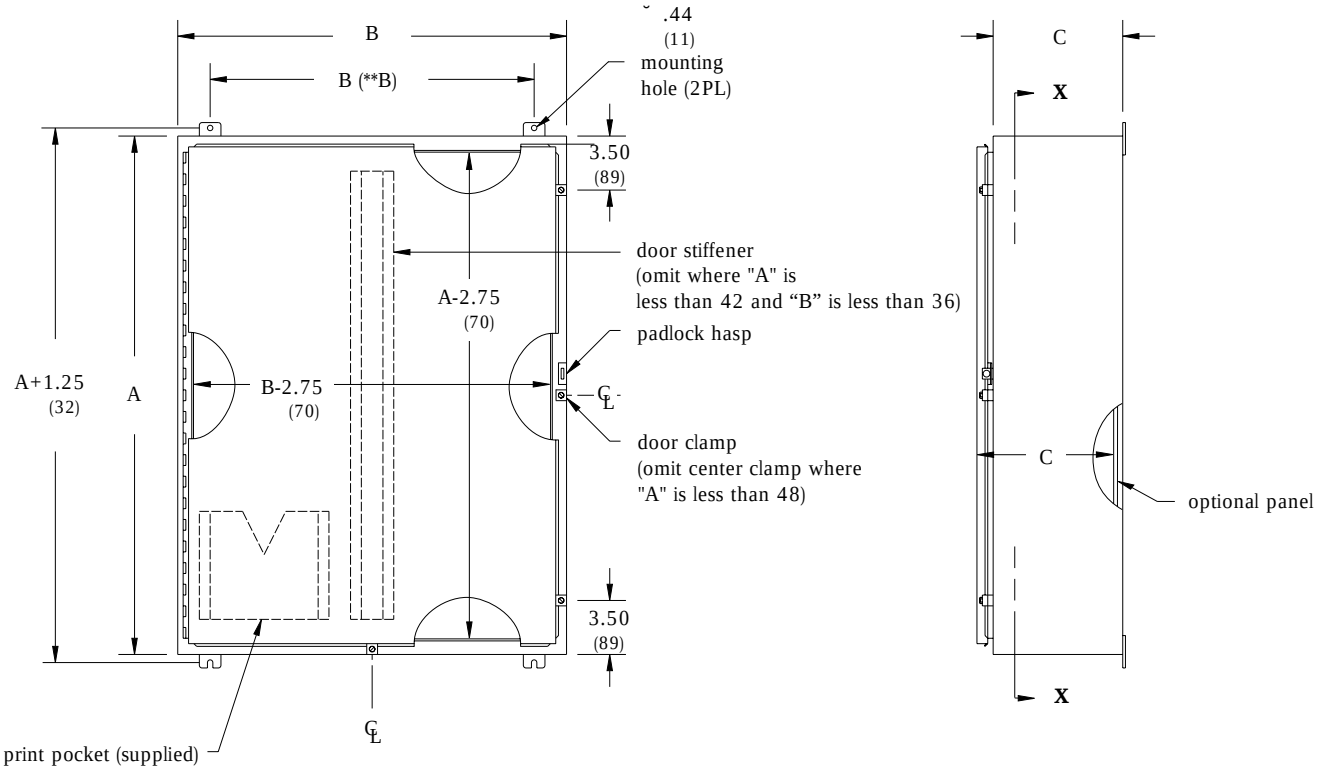
Catalog Number (cont'd)

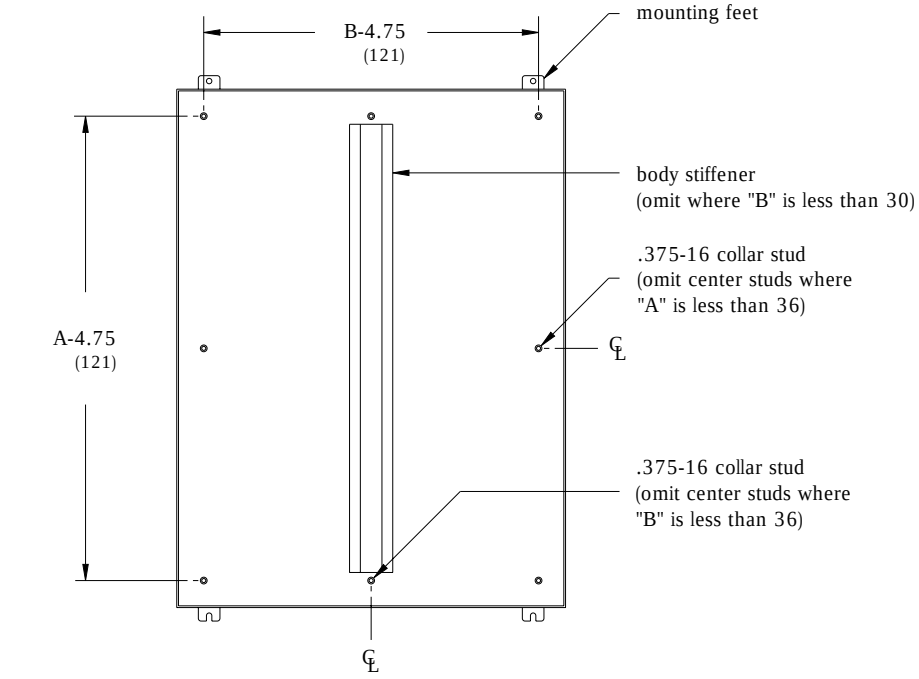
Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Gauge	Panel Catalog Number	Panel Size Height x Width in.	mm
161210-12	16.00x12.00x10.00	406x305x254	16	**AW1612P**	13.00x9.00	330x229
201610-12	20.00x16.00x10.00	508x406x254	16	**AW2016P**	17.00x13.00	432x330
202010-12	20.00x20.00x10.00	508x508x254	16	**AW2020P**	17.00x17.00	432x432
241210-12	24.00x12.00x10.00	610x305x254	16	**AW2412P**	21.00x9.00	533x229
242010-12	24.00x20.00x10.00	610x508x254	16	**AW2420P**	20.87x16.87	530x428
242410-12	24.00x24.00x10.00	610x610x254	14	**AW2424P**	20.87x20.87	530x530
302010-12	30.00x20.00x10.00	762x508x254	14	**AW3020P**	26.87x16.87	682x428
302410-12	30.00x24.00x10.00	762x610x254	14	**AW3024P**	26.87x20.87	682x530
362410-12	36.00x24.00x10.00	914x610x254	14	**AW3624P**	32.87x20.87	835x530
363010-12	36.00x30.00x10.00	914x762x254	14	**AW3630P**	32.87x26.87	835x682
423010-12	42.00x30.00x10.00	1067x762x254	14	**AW4230P**	38.87x26.87	987x682
423610-12	42.00x36.00x10.00	1067x914x254	14	**AW4236P**	38.87x32.87	987x835
483010-12	48.00x30.00x10.00	1219x762x254	14	**AW4830P**	44.87x26.87	1140x682
483610-12	48.00x36.00x10.00	1219x914x254	14	**AW4836P**	44.87x32.87	1140x835
603610-12	60.00x36.00x10.00	1524x914x254	14	**AW6036P**	56.87x32.87	1444x835
201612-12	20.00x16.00x12.00	508x406x305	16	**AW2016P**	17.00x13.00	432x330
242012-12	24.00x20.00x12.00	610x508x305	16	**AW2420P**	20.87x16.87	530x428
242412-12	24.00x24.00x12.00	610x610x305	14	**AW2424P**	20.87x20.87	530x530
302412-12	30.00x24.00x12.00	762x610x305	14	**AW3024P**	26.87x20.87	682x530
303012-12	30.00x30.00x12.00	762x762x305	14	**AW3030P**	26.87x26.87	682x682
362412-12	36.00x24.00x12.00	914x610x305	14	**AW3624P**	32.87x20.87	835x530
363012-12	36.00x30.00x12.00	914x762x305	14	**AW3630P**	32.87x26.87	835x682
363612-12	36.00x36.00x12.00	914x914x305	14	**AW3636P**	32.87x32.87	835x835
423012-12	42.00x30.00x12.00	1067x762x305	14	**AW4230P**	38.87x26.87	987x682
423612-12	42.00x36.00x12.00	1067x914x305	14	**AW4236P**	38.87x32.87	987x835
483612-12	48.00x36.00x12.00	1219x914x305	14	**AW4836P**	44.87x32.87	1140x835
603612-12	60.00x36.00x12.00	1524x914x305	14	**AW6036P**	56.87x32.87	1444x835
723012-12	72.00x30.00x12.00	1829x762x305	14	**AW7230P**	68.87x26.87	1749x682
723612-12	72.00x36.00x12.00	1829x914x305	14	**AW7236P**	68.87x32.87	1749x835
242016-12	24.00x20.00x16.00	610x508x406	16	**AW2420P**	20.87x16.87	530x428
242416-12	24.00x24.00x16.00	610x610x406	14	**AW2424P**	20.87x20.87	530x530
302416-12	30.00x24.00x16.00	762x610x406	14	**AW3024P**	26.87x20.87	682x530
363016-12	36.00x30.00x16.00	914x762x406	14	**AW3630P**	32.87x26.87	835x682
423616-12	42.00x36.00x16.00	1067x914x406	14	**AW4236P**	38.87x32.87	987x835
483616-12	48.00x36.00x16.00	1219x914x406	14	**AW4836P**	44.87x32.87	1140x835
603616-12	60.00x36.00x16.00	1524x914x406	14	**AW6036P**	56.87x32.87	1444x835
723016-12	72.00x30.00x16.00	1829x762x406	14	**AW7230P**	68.87x26.87	1749x682
302420-12	30.00x24.00x20.00	762x610x508	14	**AW3024P**	26.87x20.87	682x530
363020-12	36.00x30.00x20.00	914x762x508	14	**AW3630P**	32.87x26.87	835x682
483620-12	48.00x36.00x20.00	1219x914x508	14	**AW4836P**	44.87x32.87	1140x835
603620-12	60.00x36.00x20.00	1524x914x508	14	**AW6036P**	56.87x32.87	1444x835
723020-12	72.00x30.00x20.00	1829x762x508	14	**AW7230P**	68.87x26.87	1749x682
302424-12	30.00x24.00x24.00	762x610x610	14	**AW3024P**	26.87x20.87	682x530
723024-12	72.00x30.00x24.00	1829x762x610	14	**AW7230P**	68.87x26.87	1749x682

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Single-Door Enclosures

Illustration Sheet





Section X-X

Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Terminal Enclosures

Data Sheet

Application

- Houses and protects wiring terminals
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release door clamps mounted to the opposite side
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- Removable terminal strap assembly is installed on .375-16 collar studs and used for mounting optional terminal blocks, (order terminals separately)
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Terminal strap assembly has an electrogalvanized finish

Accessories

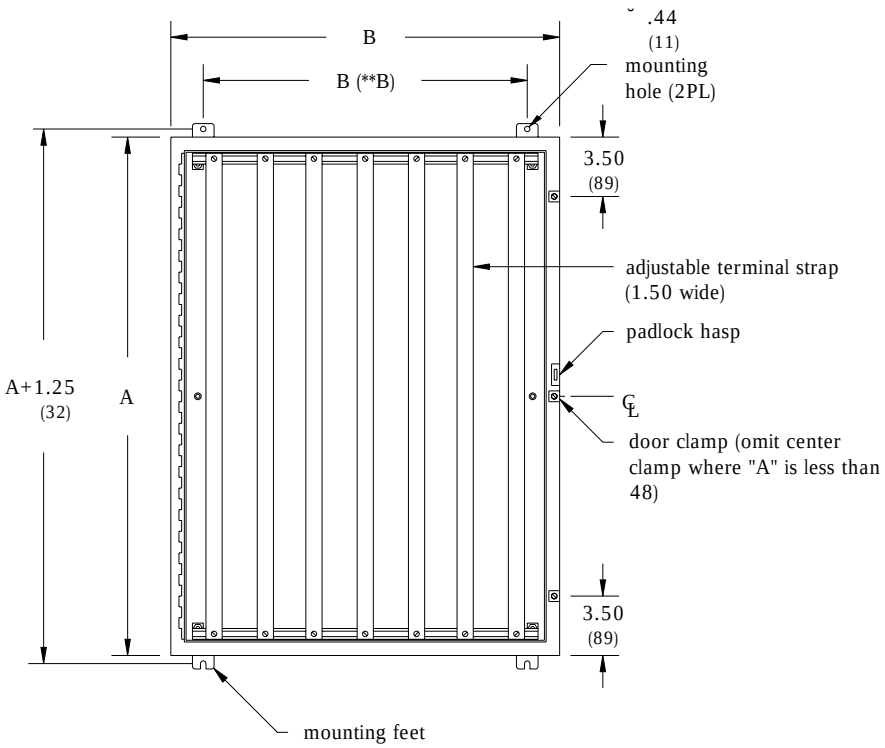
- Panels
- Extra strap kit
- Terminal blocks
- Type 12 door handle kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

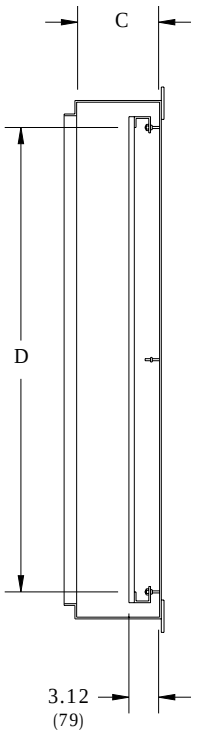
Type 12 Terminal Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Gauge	D in.	D mm	Quantity of straps
16126-12TE	16.00x12.00x6.00	406x305x152	16	11.50	292	2
20166-12TE	20.00x16.00x6.00	508x406x152	16	15.50	394	3
20206-12TE	20.00x20.00x6.00	508x508x152	16	15.50	394	4
24206-12TE	24.00x20.00x6.00	610x508x152	16	19.50	495	4
24246-12TE	24.00x24.00x6.00	610x610x152	14	19.50	495	5
30206-12TE	30.00x20.00x6.00	762x508x152	14	25.50	648	4
30246-12TE	30.00x24.00x6.00	762x610x152	14	25.50	648	5
36246-12TE	36.00x24.00x6.00	914x610x152	14	31.50	800	5
36308-12TE	36.00x30.00x8.00	914x762x203	14	31.50	800	6
42308-12TE	42.00x30.00x8.00	1067x762x203	14	37.50	953	6
48368-12TE	48.00x36.00x8.00	1219x914x203	14	43.50	1105	7
60368-12TE	60.00x36.00x8.00	1524x914x203	14	55.50	1410	7



Front View
(door removed)

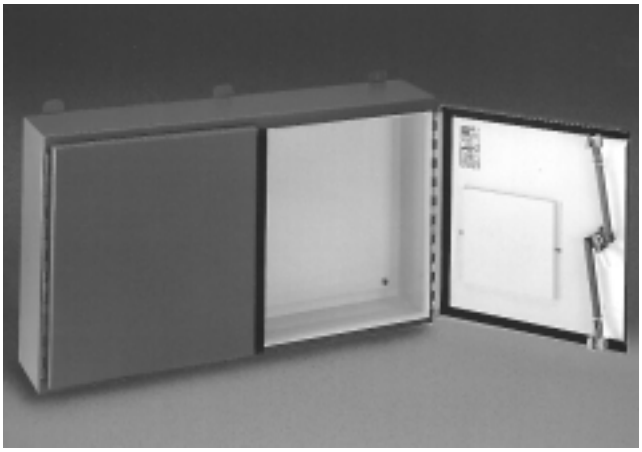


Side Section View

Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Double-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on center locating 3-pt vault handle locking mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- No center post for complete front access
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish outside with a white polyester powder finish inside

Accessories

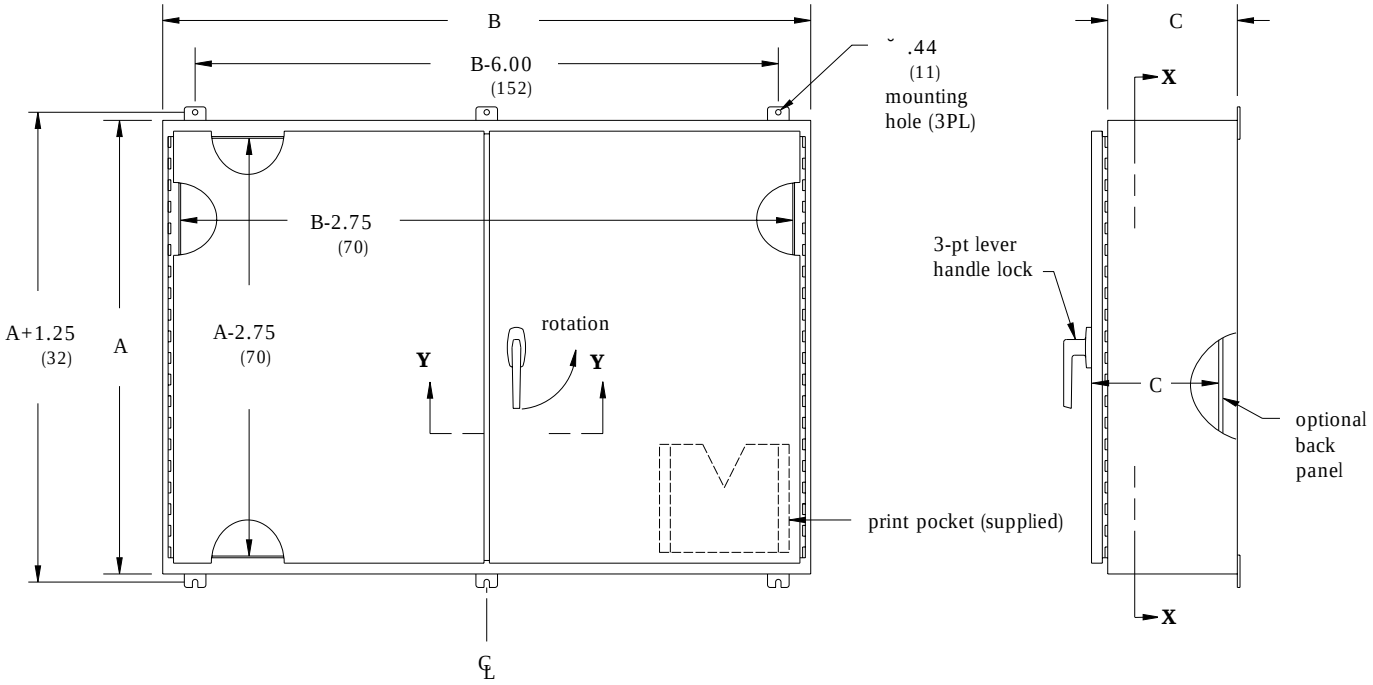
- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- Touch-up paint
- See Accessories section

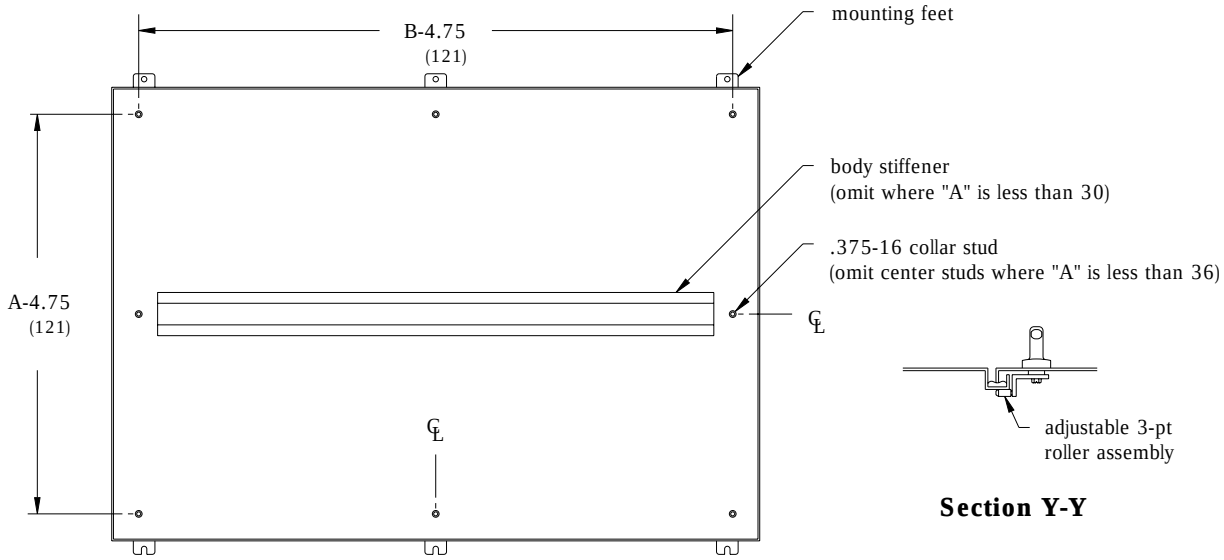
Enclosure	Enclosure Size Height Width Depth A x B x C		Panel	Panel Size Height x Width	
Catalog Number	in.	mm	Catalog Number	in.	mm
24428-12D	24.00x42.00x8.00	610x1067x203	AW4224P	20.87x38.87	530x987
24488-12D	24.00x48.00x8.00	610x1219x203	AW4824P	20.87x44.87	530x1140
304210-12D	30.00x42.00x10.00	762x1067x254	AW4230P	26.87x38.87	682x987
304810-12D	30.00x48.00x10.00	762x1219x254	AW4830P	26.87x44.87	682x1140
306010-12D	30.00x60.00x10.00	762x1524x254	AW6030P	26.87x56.87	682x1444
364212-12D	36.00x42.00x12.00	914x1067x305	AW4236P	32.87x38.87	835x987
364812-12D	36.00x48.00x12.00	914x1219x305	AW4836P	32.87x44.87	835x1140
366012-12D	36.00x60.00x12.00	914x1524x305	AW6036P	32.87x56.87	835x1444
424212-12D	42.00x42.00x12.00	1067x1067x305	AW4242P	38.87x38.87	987x987
424812-12D	42.00x48.00x12.00	1067x1219x305	AW4842P	38.87x44.87	987x1140
426012-12D	42.00x60.00x12.00	1067x1524x305	AW6042P	38.87x56.87	987x1444
484812-12D	48.00x48.00x12.00	1219x1219x305	AW4848P	44.87x44.87	1140x1140

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Double-Door Enclosures

Illustration Sheet





Section X-X

Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Double-Door Floor-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and center locating 3-pt vault handle locking mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed oil-resistant gasket
- Ground stud provided on doors
- No center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

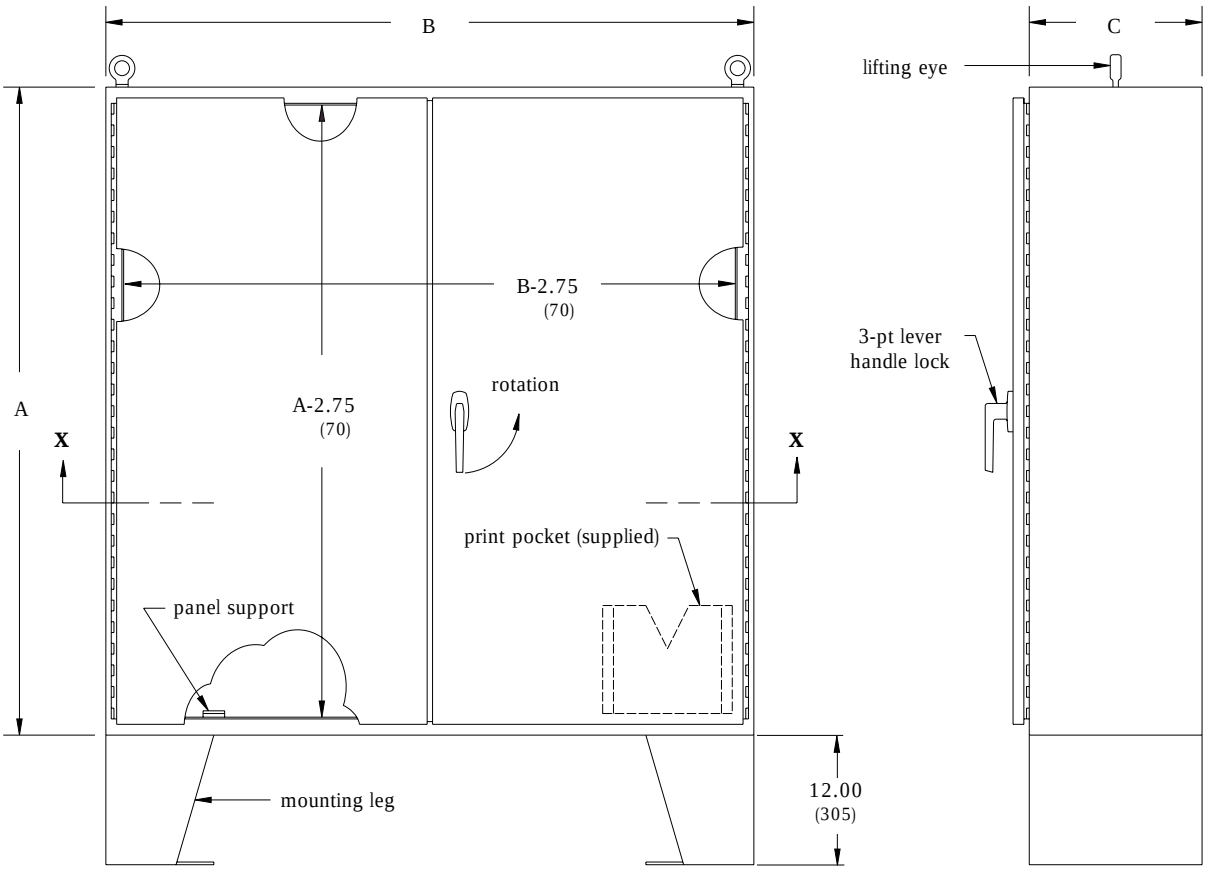
- Panels
- Leg stabilizer kit
- Touch-up paint
- See Accessories section

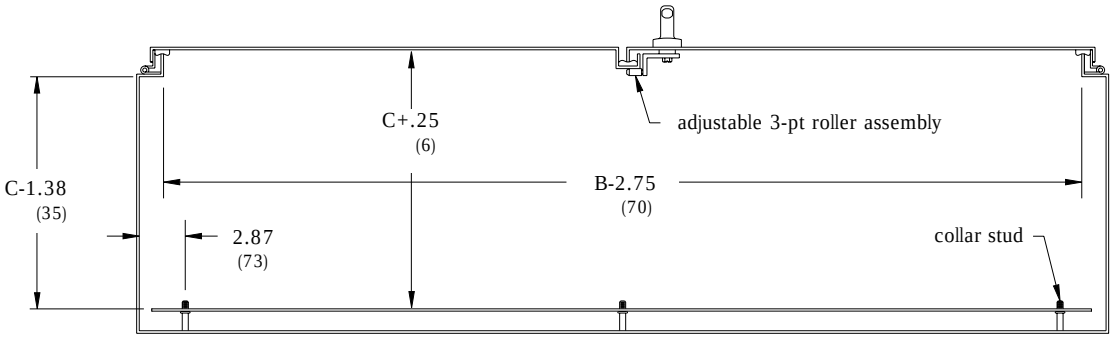
Enclosure	Enclosure Size Height x Width x Depth A x B x C			Panel	Panel Size Height x Width	
Catalog Number	in.	mm	Gauge	Catalog Number	in.	mm
54428-12FD	54.00x42.00x8.00	1372x1067x203	12	AW5442P	49.87x37.87	1267x962
60488-12FD	60.00x48.00x8.00	1524x1219x203	10	AW6048P	55.87x43.87	1419x1114
604810-12FD	60.00x48.00x10.00	1524x1219x254	10	AW6048P	55.87x43.87	1419x1114
606010-12FD	60.00x60.00x10.00	1524x1524x254	10	AW6060P	55.87x55.87	1419x1419
726010-12FD	72.00x60.00x10.00	1829x1524x254	10	AW7260P	67.87x55.87	1724x1419
727210-12FD	72.00x72.00x10.00	1829x1829x254	10	AW7272P	67.87x67.87	1724x1724
604812-12FD	60.00x48.00x12.00	1524x1219x305	10	AW6048P	55.87x43.87	1419x1114
606012-12FD	60.00x60.00x12.00	1524x1524x305	10	AW6060P	55.87x55.87	1419x1419
726012-12FD	72.00x60.00x12.00	1829x1524x305	10	AW7260P	67.87x55.87	1724x1419
727212-12FD	72.00x72.00x12.00	1829x1829x305	10	AW7272P	67.87x67.87	1724x1724
604816-12FD	60.00x48.00x16.00	1524x1219x406	10	AW6048P	55.87x43.87	1419x1114
606016-12FD	60.00x60.00x16.00	1524x1524x406	10	AW6060P	55.87x55.87	1419x1419
726016-12FD	72.00x60.00x16.00	1829x1524x406	10	AW7260P	67.87x55.87	1724x1419
727216-12FD	72.00x72.00x16.00	1829x1829x406	10	AW7272P	67.87x67.87	1724x1724
604820-12FD	60.00x48.00x20.00	1524x1219x508	10	AW6048P	55.87x43.87	1419x1114
726020-12FD	72.00x60.00x20.00	1829x1524x508	10	AW7260P	67.87x55.87	1724x1419
727220-12FD	72.00x72.00x20.00	1829x1829x508	10	AW7272P	67.87x67.87	1724x1724
604824-12FD	60.00x48.00x24.00	1524x1219x610	10	AW6048P	55.87x43.87	1419x1114
606024-12FD	60.00x60.00x24.00	1524x1524x610	10	AW6060P	55.87x55.87	1419x1419
726024-12FD	72.00x60.00x24.00	1829x1524x610	10	AW7260P	67.87x55.87	1724x1419
727224-12FD	72.00x72.00x24.00	1829x1829x610	10	AW7272P	67.87x67.87	1724x1724

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Double-Door Floor-Standing Enclosures

Illustration Sheet





Section X-X
(enlarged)

Notes: Four Lifting eyes are furnished when C dimension is 20.00 (508 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Easy access fixed or swing panels for mounting optional equipment
- Dual-access construction for back-to-back panel and equipment mounting
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Accessories

- Full and half panels
- Side panels
- Swing panels
- Center post
- Channel mounting hardware
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and 3-pt vault handle locking mechanism
- Double-door units close right over left
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- Dual-access enclosures permit back-to-back panel mounting
- Swing panels, single full and single half panels can be installed in double-door enclosures when the center post is used
- A variety of optional panel mounting and styles is available, (see accessories pages 123-129)
- Four styles of enclosure construction:
  1. Single-door, single-access
  2. Single-door, dual-access
  3. Double-door, single-access
  4. Double-door, dual-access

Finish

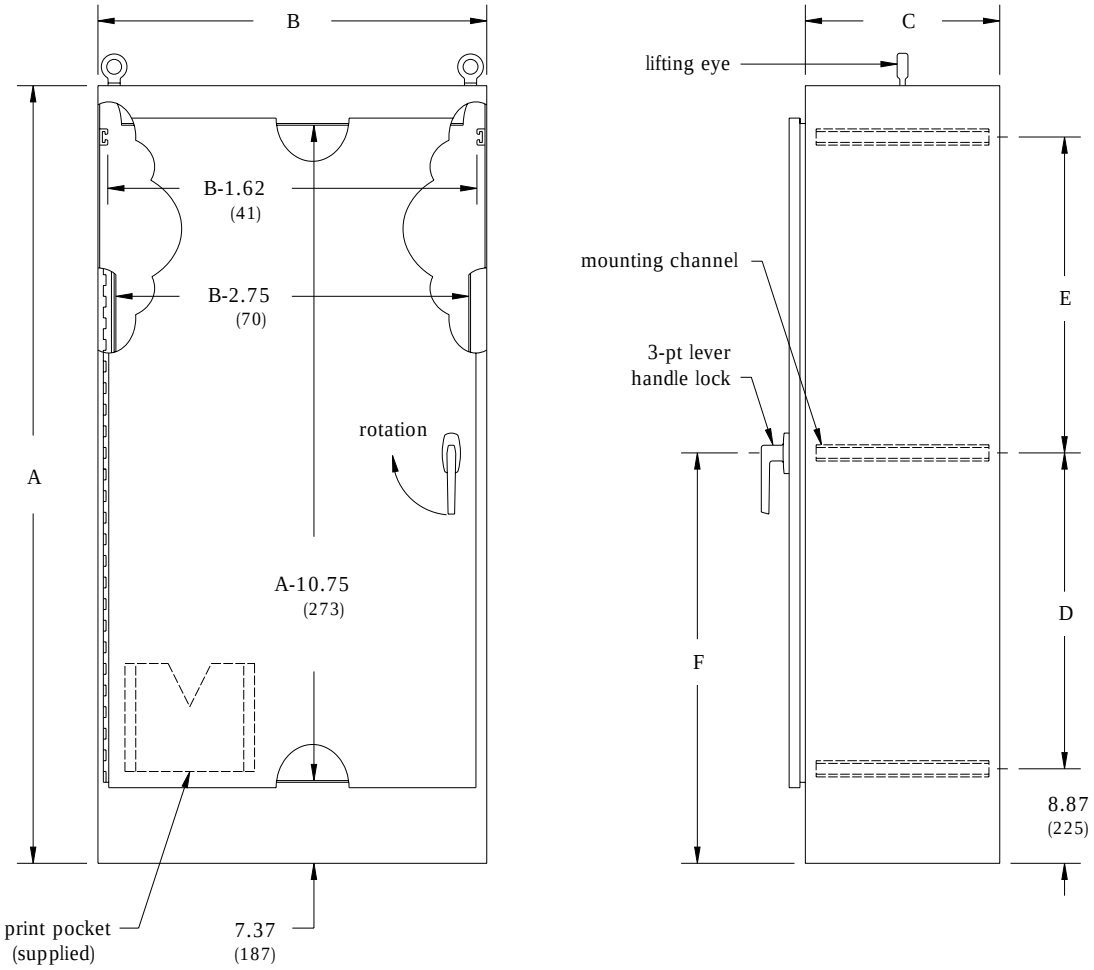
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Single-Door Single-Access Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm
602418-12FS	60.00x24.00x18.00	1524x610x457	23.12	587	23.12	587	32.00	813
722418-12FS	72.00x24.00x18.00	1829x610x457	29.12	740	29.12	740	38.00	965
723018-12FS	72.00x30.00x18.00	1829x762x457	29.12	740	29.12	740	38.00	965
723618-12FS	72.00x36.00x18.00	1829x914x457	29.12	740	29.12	740	38.00	965
902420-12FS	90.00x24.00x20.00	2286x610x508	38.12	968	38.12	968	47.00	1194
903620-12FS	90.00x36.00x20.00	2286x914x508	38.12	968	38.12	968	47.00	1194
603624-12FS	60.00x36.00x24.00	1524x914x610	23.12	587	23.12	587	32.00	813
722424-12FS	72.00x24.00x24.00	1829x610x610	29.12	740	29.12	740	38.00	965
723024-12FS	72.00x30.00x24.00	1829x762x610	29.12	740	29.12	740	38.00	965
723624-12FS	72.00x36.00x24.00	1829x914x610	29.12	740	29.12	740	38.00	965
903624-12FS	90.00x36.00x24.00	2286x914x610	38.12	968	38.12	968	47.00	1194
722430-12FS	72.00x24.00x30.00	1829x610x762	29.12	740	29.12	740	38.00	965
723630-12FS	72.00x36.00x30.00	1829x914x762	29.12	740	29.12	740	38.00	965
723636-12FS	72.00x36.00x36.00	1829x914x914	29.12	740	29.12	740	38.00	965
903636-12FS	90.00x36.00x36.00	2286x914x914	38.12	968	38.12	968	47.00	1194

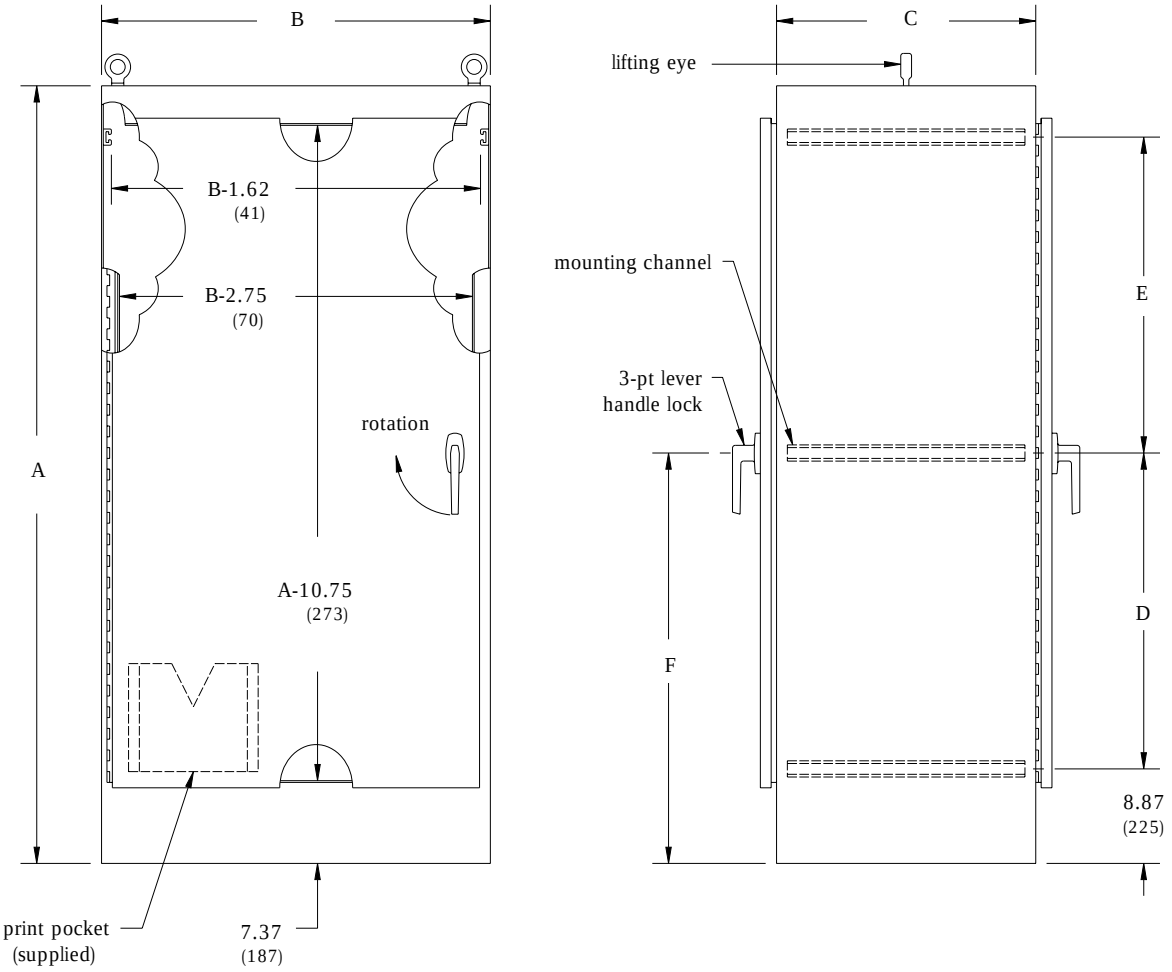


Notes: Four lifting eyes are furnished when C dimension is 30.00 (762 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Single-Door Dual-Access Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm
722424-12FSDA	72.00x24.00x24.00	1829x610x610	29.12	740	29.12	740	38.00	965
723024-12FSDA	72.00x30.00x24.00	1829x762x610	29.12	740	29.12	740	38.00	965
723624-12FSDA	72.00x36.00x24.00	1829x914x610	29.12	740	29.12	740	38.00	965
903624-12FSDA	90.00x36.00x24.00	2286x914x610	38.12	968	38.12	968	47.00	1194
722430-12FSDA	72.00x24.00x30.00	1829x610x762	29.12	740	29.12	740	38.00	965
722436-12FSDA	72.00x24.00x36.00	1829x610x914	29.12	740	29.12	740	38.00	965
723636-12FSDA	72.00x36.00x36.00	1829x914x914	29.12	740	29.12	740	38.00	965
903636-12FSDA	90.00x36.00x36.00	2286x914x914	38.12	968	38.12	968	47.00	1194

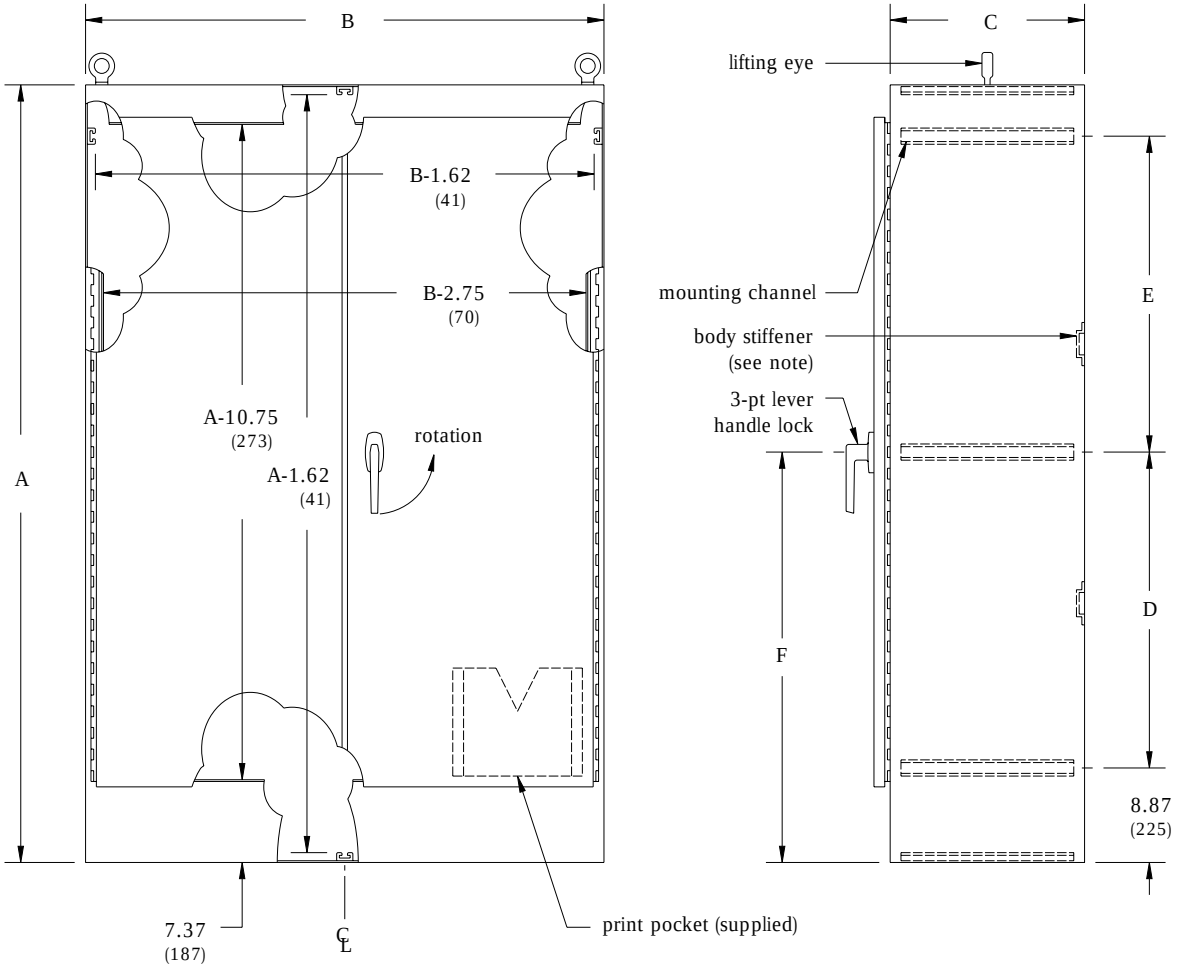


Notes: Four lifting eyes are furnished when C dimensions is 30.00 (762 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Single-Access Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm
604818-12FSD	60.00x48.00x18.00	1524x1219x457	23.12	587	23.12	587	32.00	813
724818-12FSD	72.00x48.00x18.00	1829x1219x457	29.12	740	29.12	740	38.00	965
726018-12FSD	72.00x60.00x18.00	1829x1524x457	29.12	740	29.12	740	38.00	965
727218-12FSD	72.00x72.00x18.00	1829x1829x457	29.12	740	29.12	740	38.00	965
904820-12FSD	90.00x48.00x20.00	2286x1219x508	38.12	968	38.12	968	47.00	1194
907220-12FSD	90.00x72.00x20.00	2286x1829x508	38.12	968	38.12	968	47.00	1194
724824-12FSD	72.00x48.00x24.00	1829x1219x610	29.12	740	29.12	740	38.00	965
726024-12FSD	72.00x60.00x24.00	1829x1524x610	29.12	740	29.12	740	38.00	965
727224-12FSD	72.00x72.00x24.00	1829x1829x610	29.12	740	29.12	740	38.00	965
907224-12FSD	90.00x72.00x24.00	2286x1829x610	38.12	968	38.12	968	47.00	1194
726036-12FSD	72.00x60.00x36.00	1829x1524x914	29.12	740	29.12	740	38.00	965

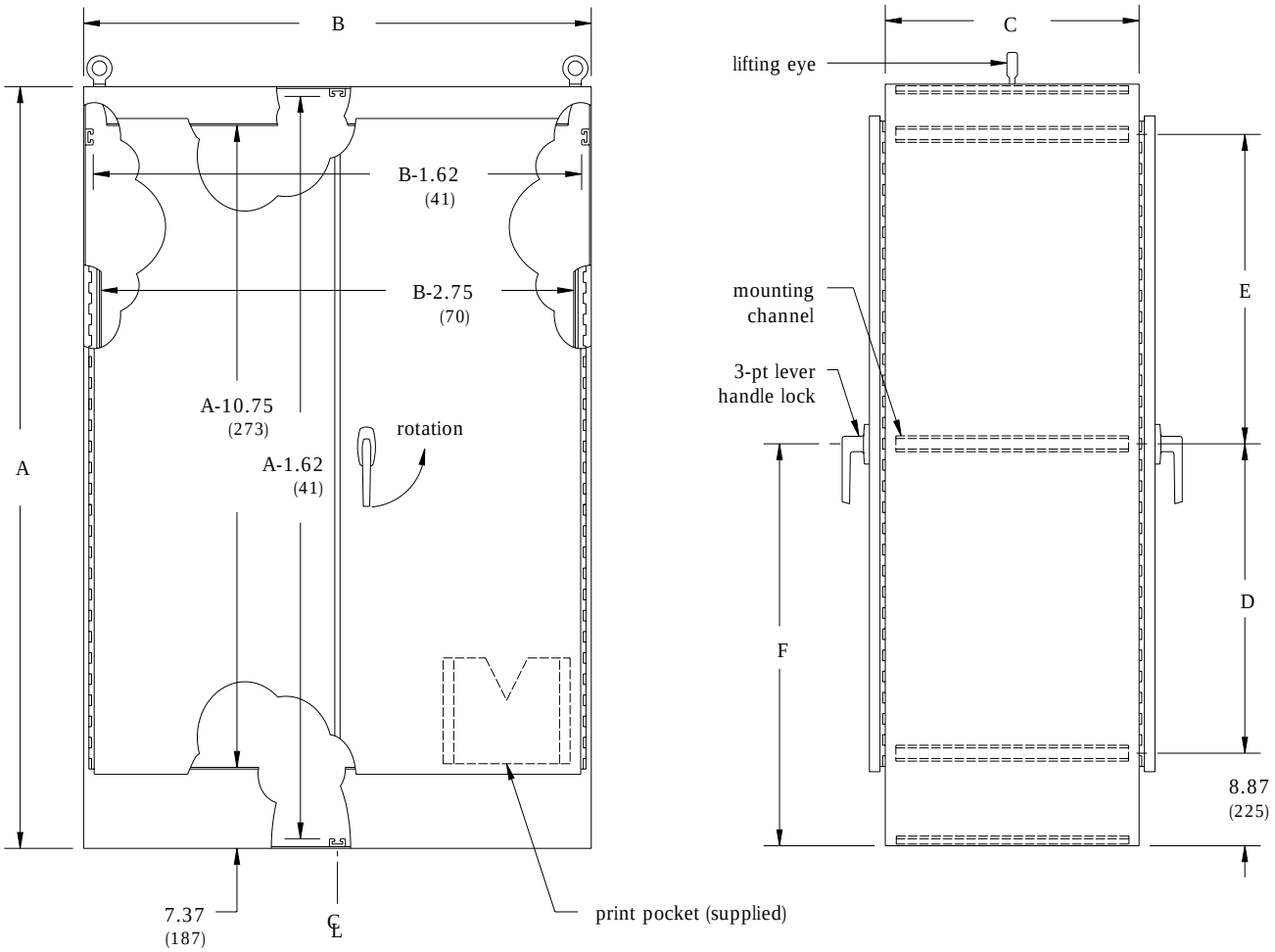


Notes: Two body stiffeners spaced evenly along enclosure height. Four lifting eyes are furnished when C dimension is 36.00 (914 mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Dual-Access Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm
724824-12FSDDA	72.00x48.00x24.00	1829x1219x610	29.12	740	29.12	740	38.00	965
726024-12FSDDA	72.00x60.00x24.00	1829x1524x610	29.12	740	29.12	740	38.00	965
727224-12FSDDA	72.00x72.00x24.00	1829x1829x610	29.12	740	29.12	740	38.00	965
907224-12FSDDA	90.00x72.00x24.00	2286x1829x610	38.12	968	38.12	968	47.00	1194



Notes: Four lifting eyes are furnished when C dimension is 36.00 (914 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

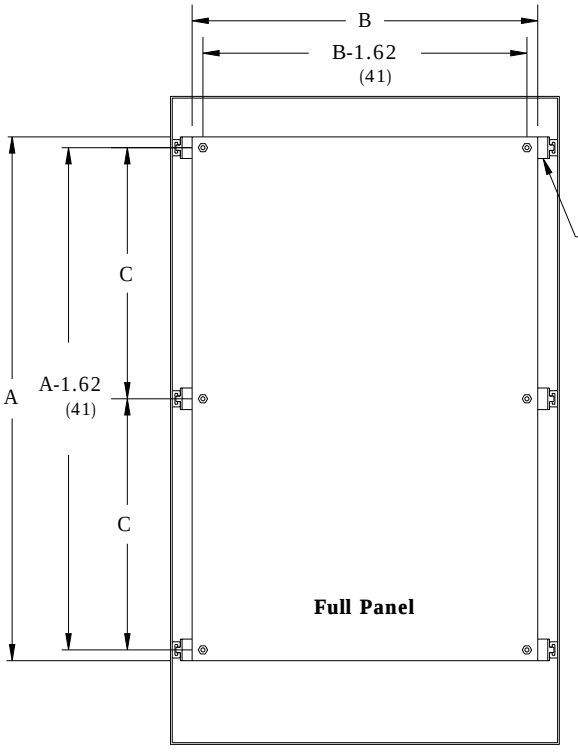
Type 12 Free-Standing Single-Door Enclosures

Full and Half Panel Accessories

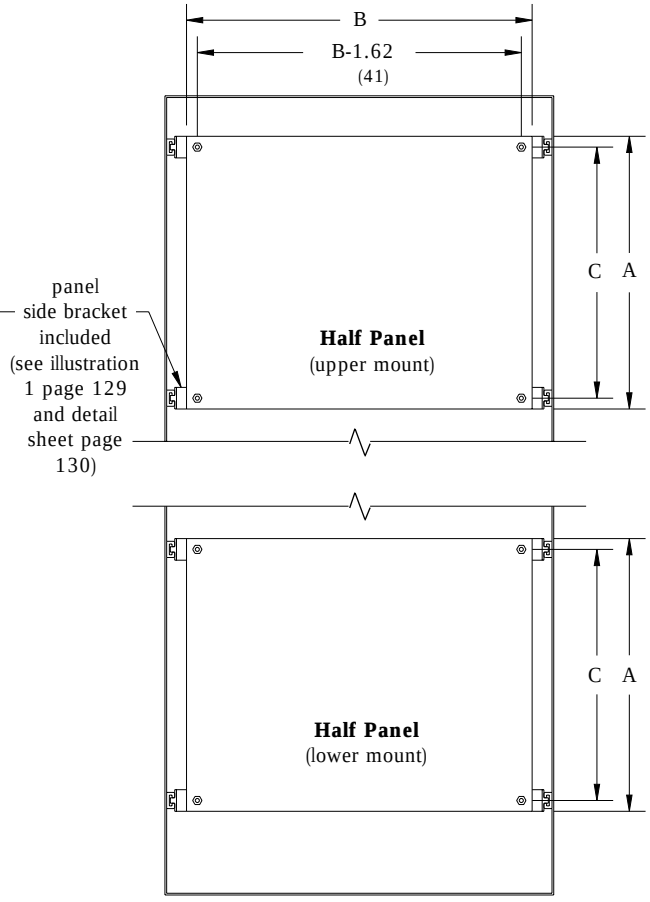
Catalog Number

Full Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	Fits Enclosure Height x Width in.	mm
AF6024P	47.87x19.87	1216x505	23.12	587	60.00x24.00	1524x610
AF6036P	47.87x31.87	1216x809	23.12	587	60.00x36.00	1524x914
AF7224P	59.87x19.87	1521x505	29.12	740	72.00x24.00	1829x610
AF7230P	59.87x25.87	1521x657	29.12	740	72.00x30.00	1829x762
AF7236P	59.87x31.87	1521x809	29.12	740	72.00x36.00	1829x914
AF9024P	77.87x19.87	1978x505	38.12	968	90.00x24.00	2286x610
AF9036P	77.87x31.87	1978x809	38.12	968	90.00x36.00	2286x914

Half Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	Fits Enclosure Height x Width in.	mm
AF6024HP	24.75x19.87	629x505	23.12	587	60.00x24.00	1524x610
AF6036HP	24.75x31.87	629x809	23.12	587	60.00x36.00	1524x914
AF7224HP	30.75x19.87	781x505	29.12	587	72.00x24.00	1829x610
AF7230HP	30.75x25.87	781x657	29.12	587	72.00x30.00	1829x762
AF7236HP	30.75x31.87	781x809	29.12	587	72.00x36.00	1829x914
AF9024HP	39.75x19.87	1010x505	38.12	968	90.00x24.00	2286x610
AF9036HP	39.75x31.87	1010x809	38.12	968	90.00x36.00	2286x914



Full Panel Mounting



Half Panel Mounting

Notes: Full and Half panel for single-door, single and dual-access enclosures are (12) gauge steel and furnished with panel side brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half panels can be mounted back-to-back.

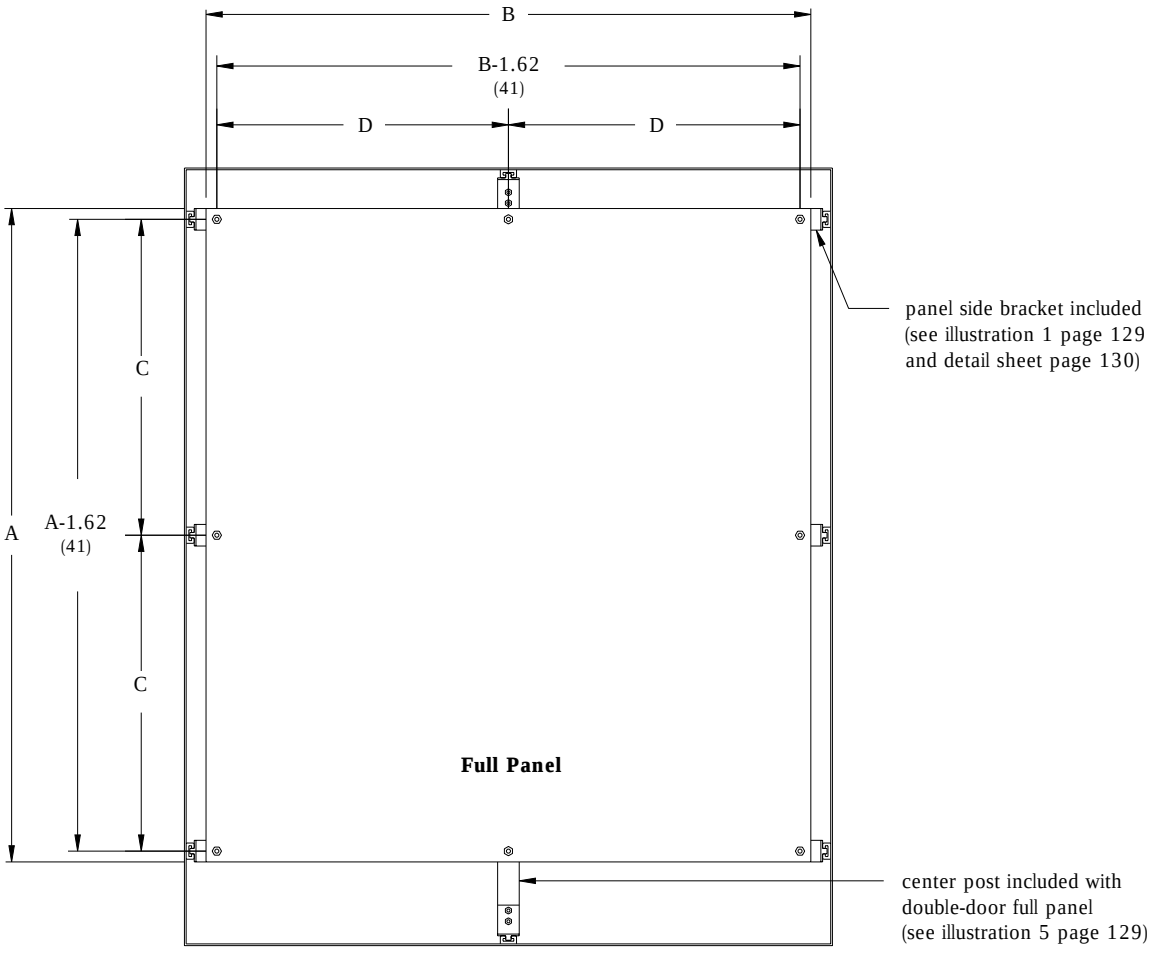
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Enclosures

Full Panel Accessories

Catalog Number

Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	D in.	mm	Fits Enclosure Height x Width in.	mm
AF6048P	47.87x43.87	1216x1114	23.12	587	21.12	530	60.00x48.00	1524x1219
AF7248P	59.87x43.87	1521x1114	29.12	740	21.12	530	72.00x48.00	1829x1219
AF7260P	59.87x55.87	1521x1419	29.12	740	27.12	689	72.00x60.00	1829x1524
AF7272P	59.87x67.87	1521x1724	29.12	740	33.12	841	72.00x72.00	1829x1829
AF9048P	77.87x43.87	1978x1114	38.12	968	21.12	530	90.00x48.00	2286x1219
AF9072P	77.87x67.87	1978x1724	38.12	968	33.12	841	90.00x72.00	2286x1829



Full Panel Mounting

Notes: Full Panel for double-door, single and dual-access enclosures are (10) gauge steel and furnished with Panel Brackets, Center Post assembly, panel handle kit and all hardware necessary for channel and panel mounting. The Center Post assembly offers additional support of panel and equipment. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

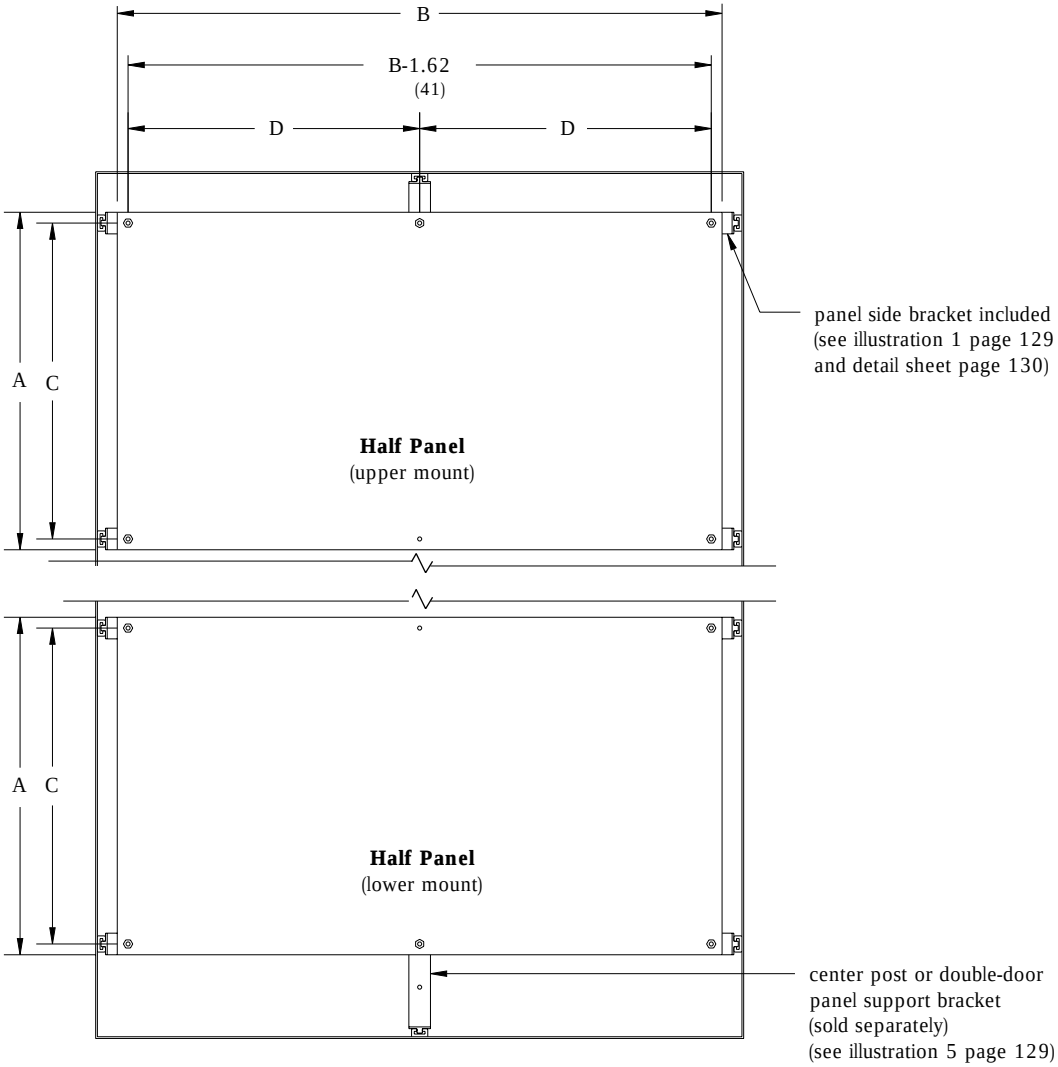
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Enclosures

Half Panel Accessories

Catalog Number

Panel Catalog Number	Panel Size Height x Width A x B in.	mm	C in.	mm	D in.	mm	Fits Enclosure Height x Width in.	mm
AF6048HP	24.75x43.87	629x1114	23.12	587	21.12	536	60.00x48.00	1524x1219
AF7248HP	30.75x43.87	781x1114	29.12	740	21.12	536	72.00x48.00	1829x1219
AF7260HP	30.75x55.87	781x1419	29.12	740	7.12	181	72.00x60.00	1829x1524
AF7272HP	30.75x67.87	781x1724	29.12	740	33.12	841	72.00x72.00	1829x1829
AF9048HP	39.75x43.87	1010x1114	38.12	968	21.12	536	90.00x48.00	2286x1219
AF9072HP	39.85x67.87	1012x1724	38.12	968	33.12	841	90.00x72.00	2286x1829



Half Panel Mounting

Notes: Half panel for double-door, single and dual-access enclosures are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. **A Center Post assembly or a double-door panel support bracket (catalog number AFSUP2) for additional support of the panel is optional and sold separately.** Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Enclosures

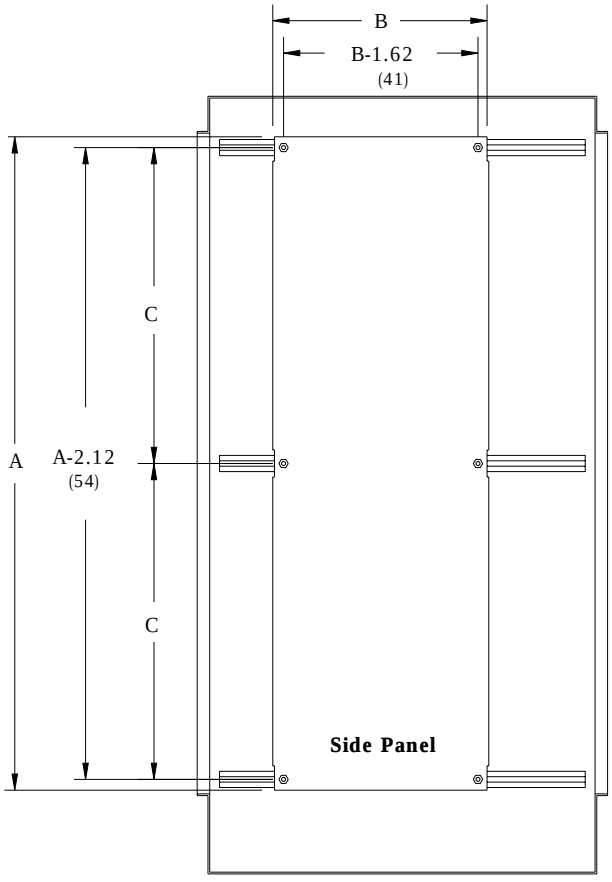
Side Panel And Center Post Accessories

Catalog Number

Side Panel									
Panel	Panel Size				Fits Enclosure			
	Height x Width A x B		C		Height		Depth*	
Catalog Number	in.	mm	in	mm	in.	mm	in.	mm
AF6018SP	48.37x13.87	1229x340	23.12	587	60.00	1524	18.00	457
AF7218SP	60.37x13.87	1533x340	29.12	740	72.00	1829	18.00	457
AF7224SP	60.37x19.87	1533x505	29.12	740	72.00	1829	24.00	610
AF9018SP	78.37x13.87	1991x340	38.12	968	90.00	2286	18.00	457
AF9024SP	78.37x19.87	1991x505	38.12	968	90.00	2286	24.00	457

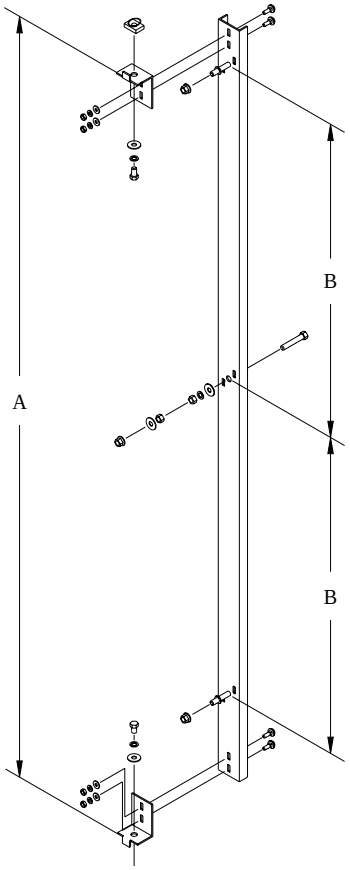
* Back panels restrict the movement of side panels and will prohibit mounting in some depths. See detail sheet for back panel spacing.

Center Post						
Center Post	A		B		Fits Enclosure Height	
Catalog Number	in.	mm	in.	mm	in.	mm
AF60CPS	58.37	1483	23.12	587	60.00	1524
AF72CPS	70.37	1787	29.12	740	72.00	1829
AF90CPS	88.37	2245	38.12	968	90.00	2286



Side Panel Mounting

Side Panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth, however, when Full or Half Panels are installed, movement will be restricted and with some depths make side mounting prohibitive.



Center Post Assembly

Center Post assembly is furnished with all double-door Full Panels and includes hardware necessary for channel and panel mounting. The Center Post is optional on double-door Half Panels and Swing Panel mounting and must be ordered separately. It attaches to the top and bottom channels making it adjustable along the depth of the enclosure. See illustration #5 on the Detail Sheet-page 129.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

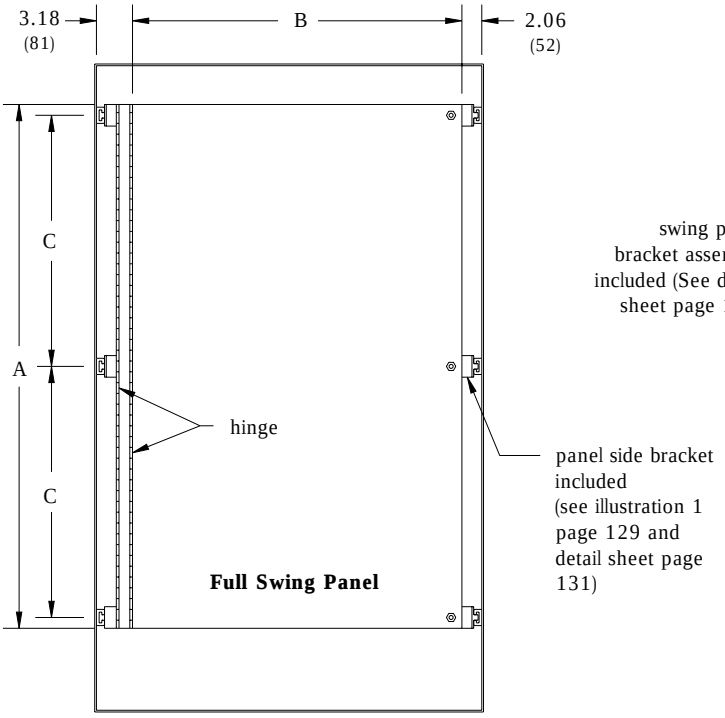
Type 12 Free-Standing Single-Door Enclosures

Full and Half Swing Panel Accessories

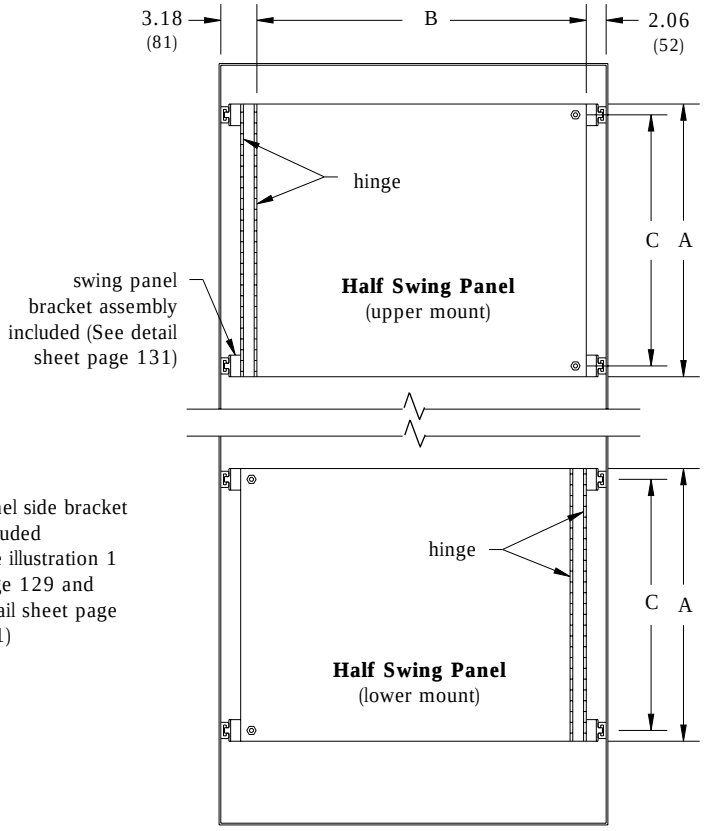
Catalog Number

Full Swing Panel						
Panel	Panel Size				Fits Enclosure	
	Height x Width				Height x Width	
Catalog Number	A x B in.	A x B mm	C in.	C mm	in.	mm
AF6024SWP	47.87x18.75	1216x476	23.12	587	60.00x24.00	1524x610
AF6036SWP	47.87x30.75	1216x781	23.12	587	60.00x36.00	1524x914
AF7224SWP	59.87x18.75	1521x476	29.12	740	72.00x24.00	1829x610
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x30.00	1829x762
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x36.00	1829x914
AF9024SWP	77.87x18.75	1978x476	38.12	968	90.00x24.00	2286x610
AF9036SWP	77.87x30.75	1978x781	38.12	968	90.00x36.00	2286x914

Half Swing Panel						
Panel	Panel Size				Fits Enclosure	
	Height x Width				Height x Width	
Catalog Number	A x B in.	A x B mm	C in.	C mm	in.	mm
AF6024HSWP	24.75x18.75	629x476	23.12	587	60.00x24.00	1524x610
AF6036HSWP	24.75x30.75	629x781	23.12	587	60.00x36.00	1524x914
AF7224HSWP	30.75x18.75	781x476	29.12	740	72.00x24.00	1829x610
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x30.00	1829x762
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x36.00	1829x914
AF9024HSWP	39.75x18.75	1010x476	38.12	968	90.00x24.00	2286x610
AF9036HSWP	39.75x30.75	1010x781	38.12	968	90.00x36.00	2286x914



Full Swing Panel Mounting



Half Swing Panel Mounting

Notes: Full Swing Panel and Half Swing Panel for single-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge on either the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to be adjustable along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Enclosures

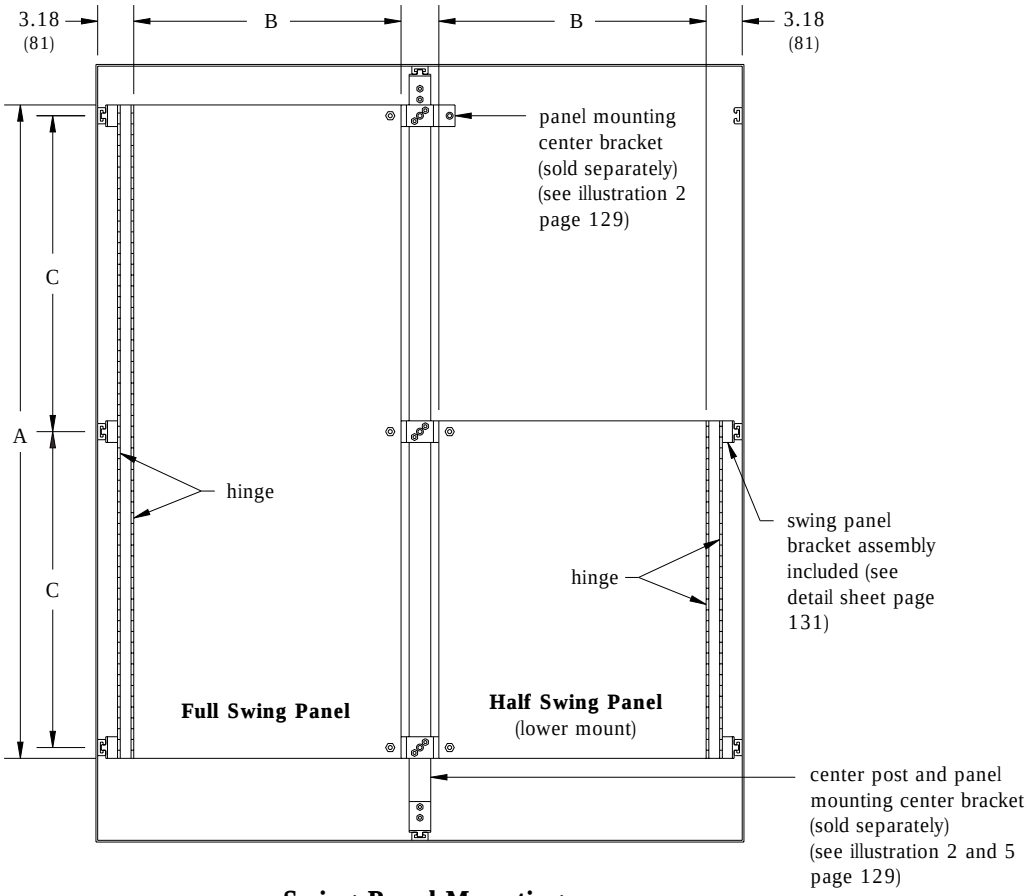
Full and Half Swing Panel Accessories

Catalog Number

Full Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87x18.75	1216x476	23.12	587	60.00x48.00	1524x1219
AF7224SWP	59.87x18.75	1521x476	29.12	740	72.00x48.00	1829x1219
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x60.00	1829x1524
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x72.00	1829x1829
AF9024SWP	77.87x18.75	1978x781	38.12	968	90.00x48.00	2286x1219
AF9036SWP	77.87x30.75	1978x781	38.12	968	90.00x72.00	2286x1829

Half Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75x18.75	629x476	23.12	587	60.00x48.00	1524x1219
AF7224HSWP	30.75x18.75	781x476	29.12	740	72.00x48.00	1829x1219
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x60.00	1829x1524
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x72.00	1829x1829
AF9024HSWP	39.75x18.75	1010x476	38.12	968	90.00x48.00	2286x1219
AF9036HSWP	39.75x30.75	1010x781	38.12	968	90.00x72.00	2286x1829

A Center Post assembly and Center Bracket must be ordered separately.



Swing Panel Mounting

Notes: Full Swing Panel and Half Swing Panel for double-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket, and furnished with hardware necessary for side channel mounting. **A Center Post assembly and Center Bracket must be ordered separately.** Panels can be installed so they hinge either on the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Miscellaneous Accessories			
Catalog Number	**Description**	**Illustration**	**Quantity**
AFSBRKT1	Panel mounting side bracket	1	1
AFCBRKT3	Panel mounting center bracket	2	3
AFCMH3	Channel mounting hardware	3	3
AFPSUP2	Double-door panel support bracket	4	2

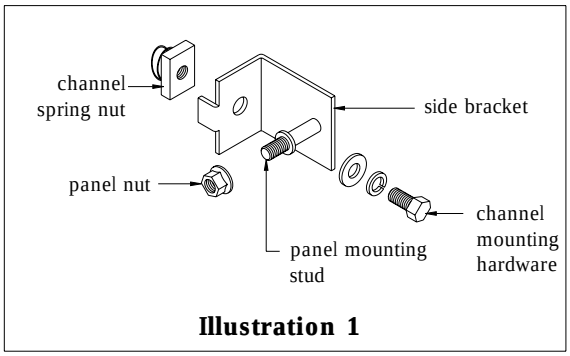


Illustration 1

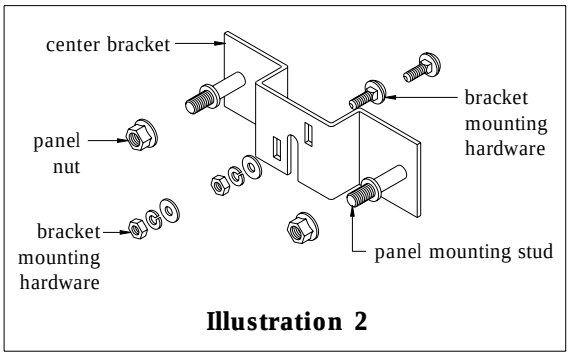


Illustration 2

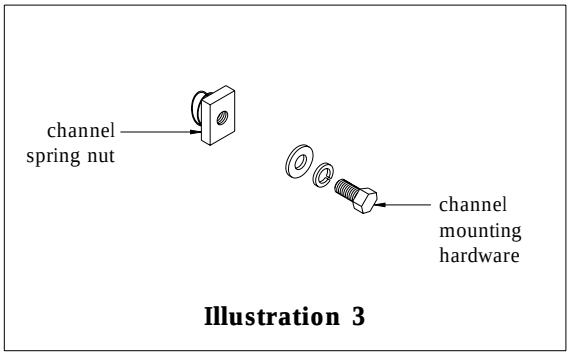


Illustration 3

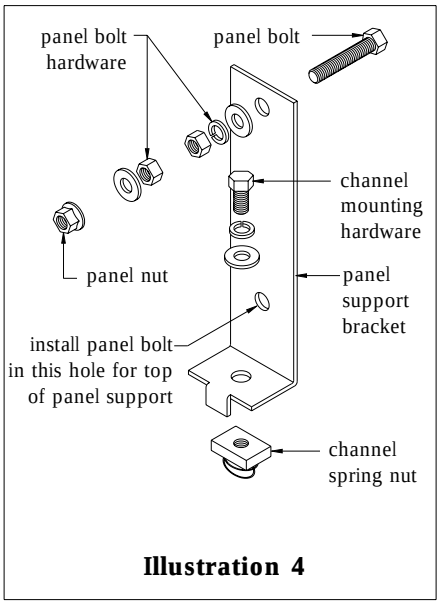


Illustration 4

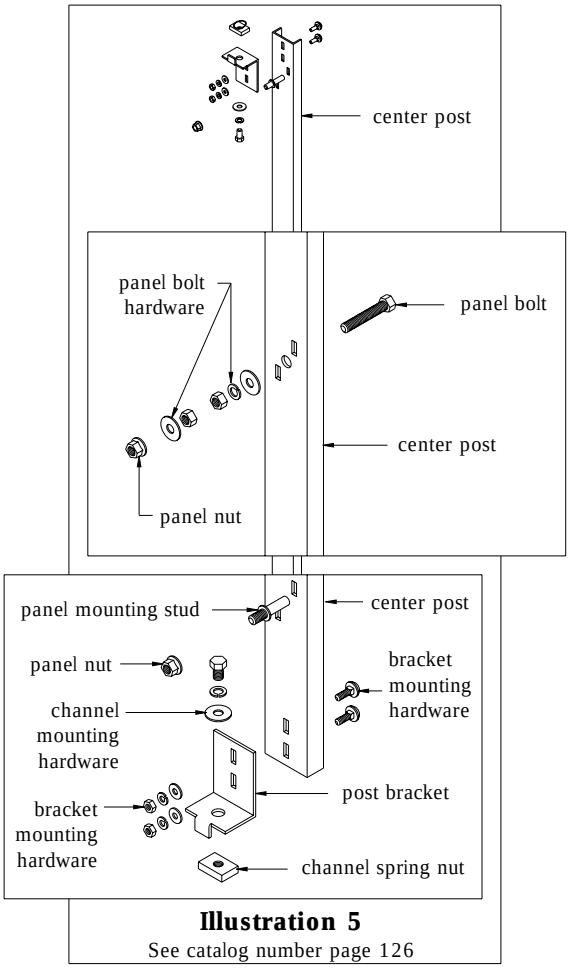


Illustration 5

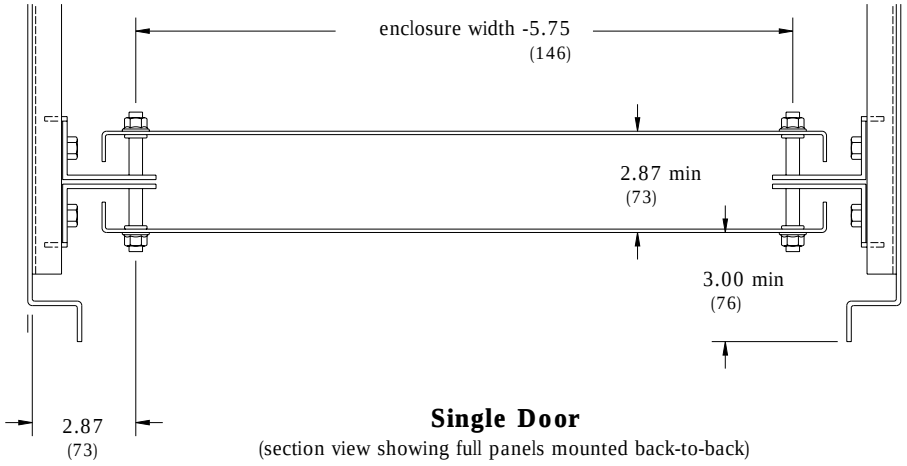
See catalog number page 126

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

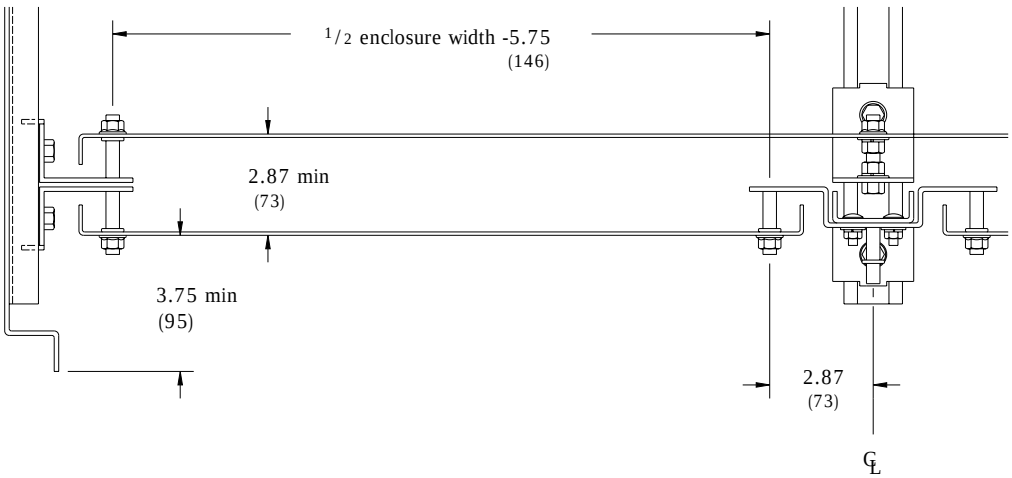
Type 12 Free-Standing Enclosures

Panel and Enclosure Detail

Detail Sheet



Single Door
(section view showing full panels mounted back-to-back)



Double Door
(section view showing full panels mounted back-to-back)

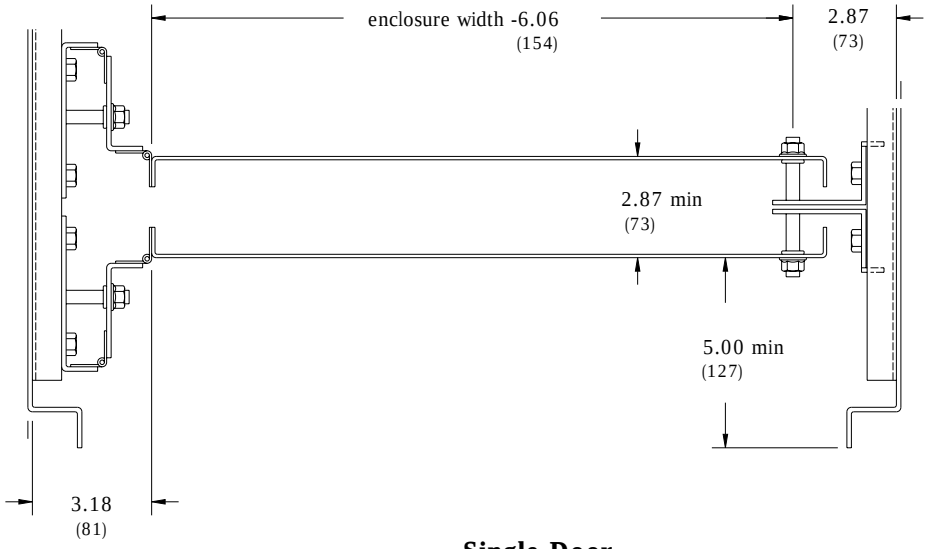
(of enclosure)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

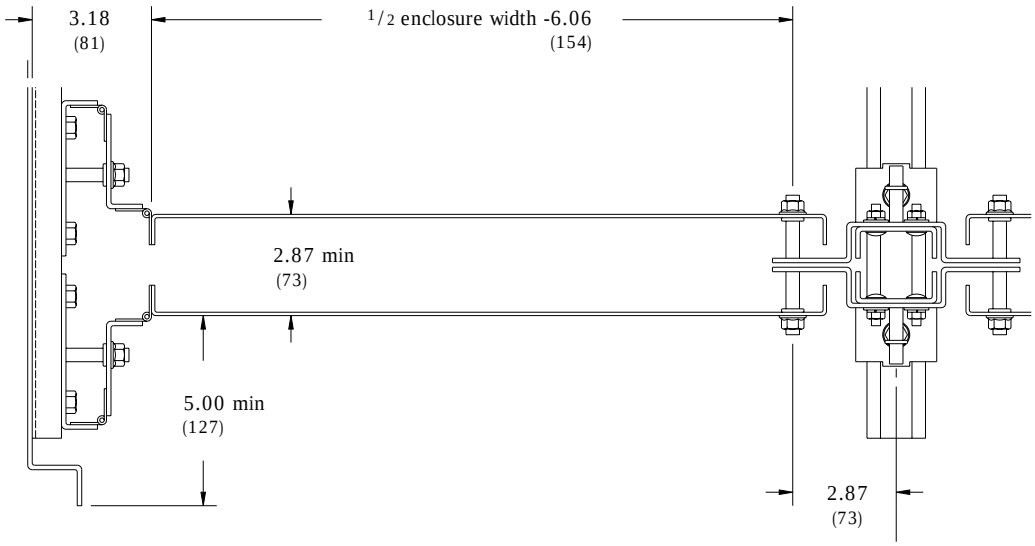
Type 12 Free-Standing Enclosures

Swing Panel and Enclosure Detail

Detail Sheet



Single Door
(section view showing swing panels mounted back-to-back)



Double Door
(section view showing swing panels mounted back-to-back)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Multi-Door Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Accessories

- Channel mounting hardware
- Touch-up paint
- See Accessories section

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Construction

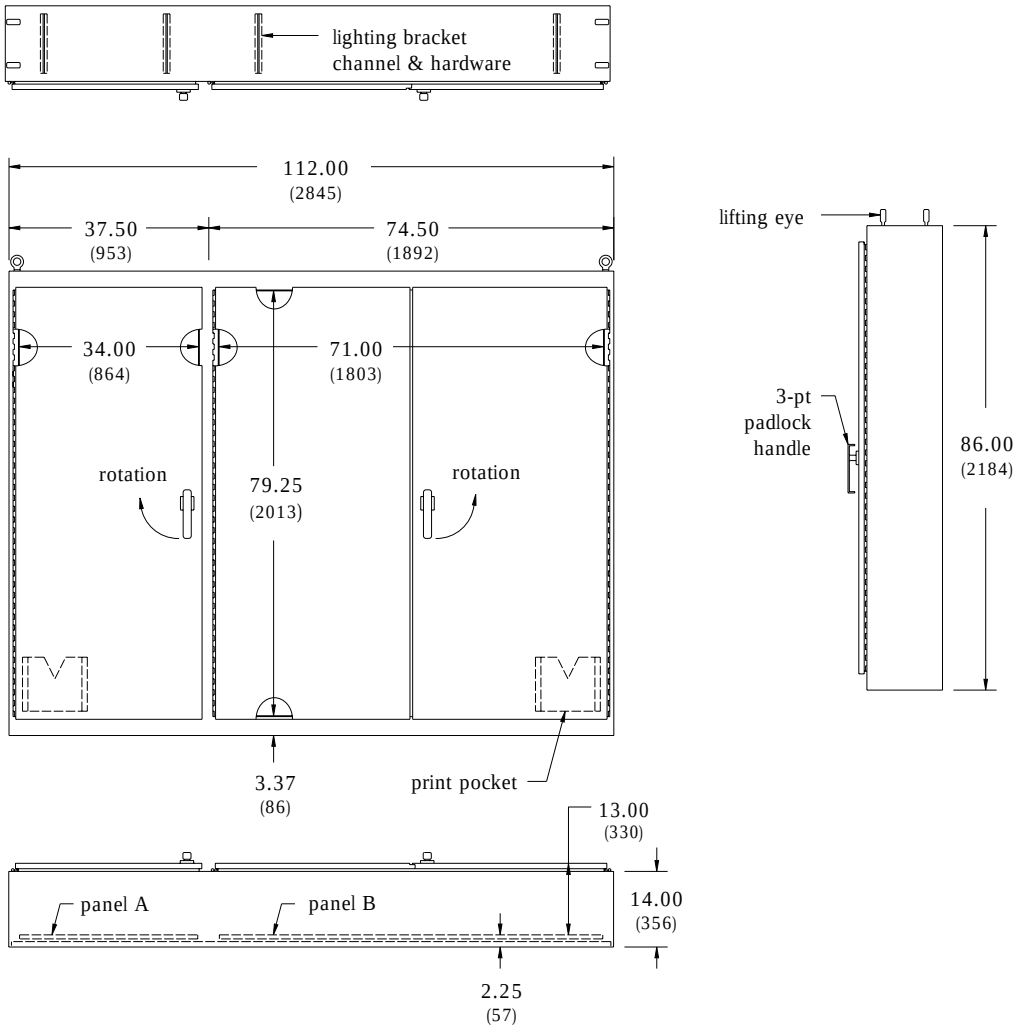
- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and 3-pt padlockable handle mechanism
- Double-door sections close right over left with no center post for complete access
- Right side door provides a mechanical interlock and serves as a master door
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pockets provided
- Heavy steel stiffeners welded across the back provide enclosure rigidity
- Lighting mounting channel provided
- Removable panels mounted on .375-16 collar studs and panel supports are furnished behind each door
- Large lifting eyebolts are supplied
- Three styles of enclosure construction:
  1. Three-door: single and double-door section
  2. Four-door: (2) double door sections
  3. Five-door: single and (2) double-door sections
- Panels have a white enamel finish

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Three-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	Enclosure Size Height x Width x Depth mm	Panel A Size Height x Width in.	Panel A Size Height x Width mm	Panel B Size Height x Width in.	Panel B Size Height x Width mm
8611214-12FS	86.00x112.00x14.00	2184x2845x356	78.00x33.00	1981x838	78.00x70.00	1981x1778

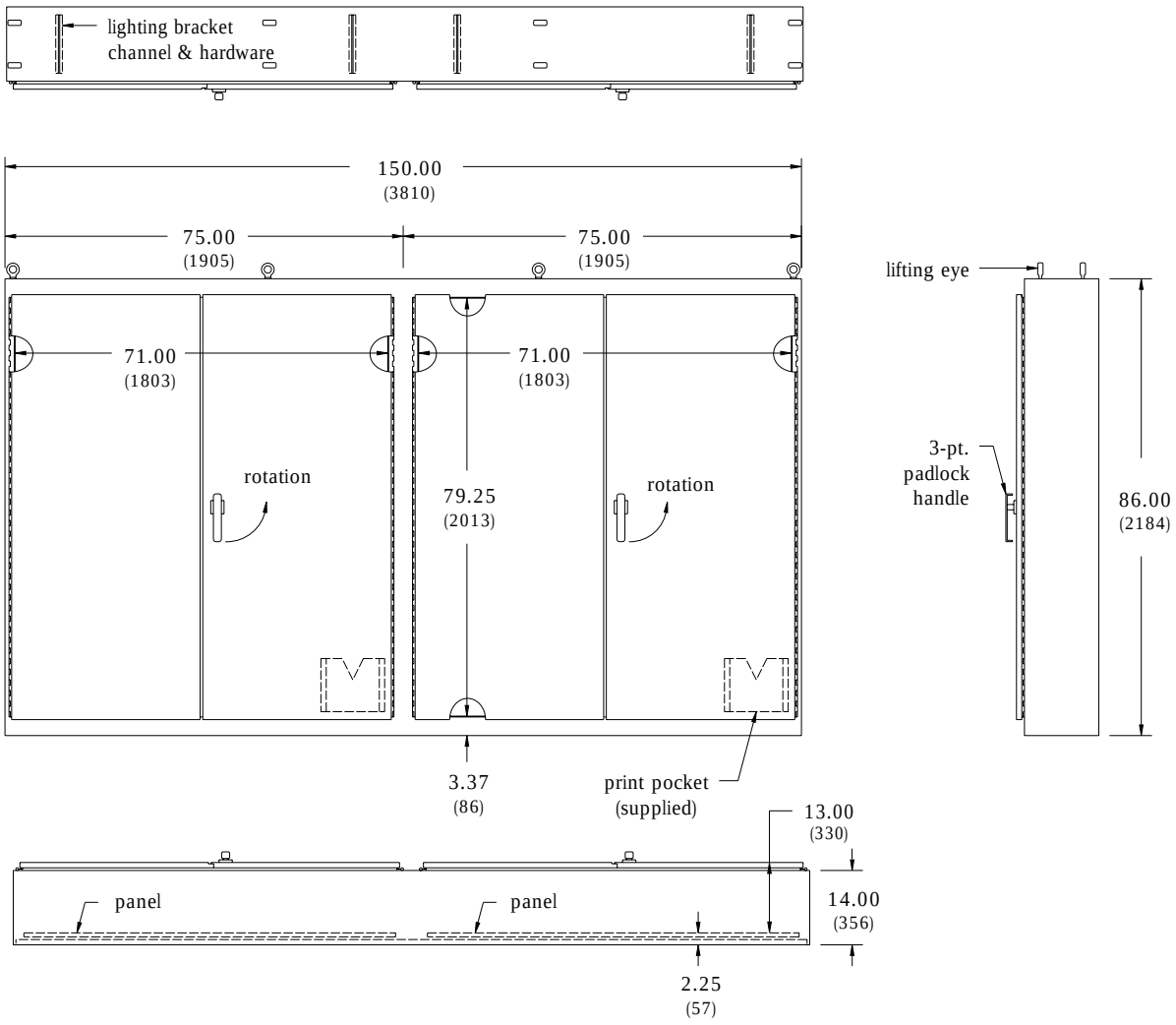


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Four-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	Enclosure Size Height x Width x Depth mm	Panel Size Height x Width in.	Panel Size Height x Width mm
8615014-12FS	86.00x150.00x14.00	2184x3810x356	78.00x70.00	1981x1778

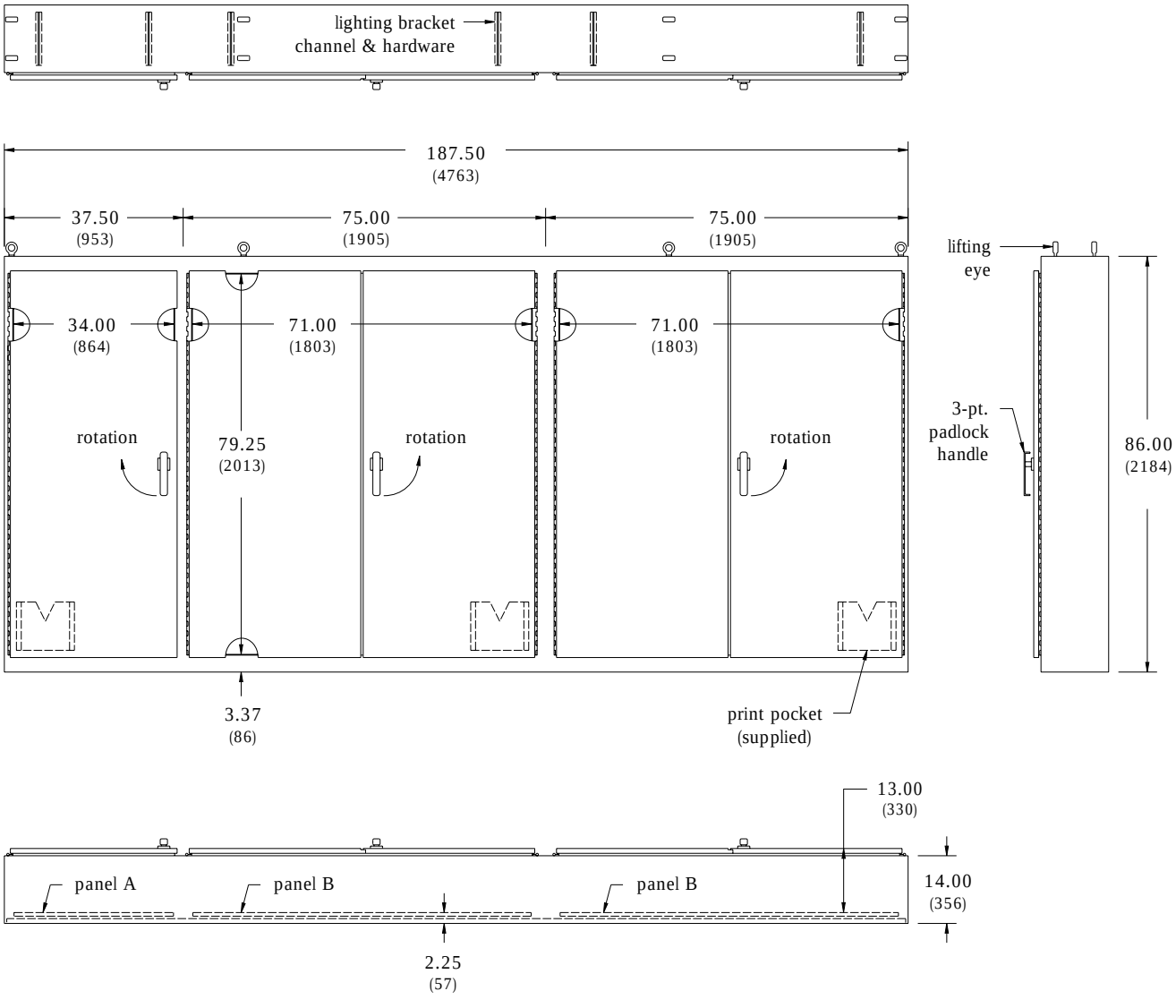


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Five-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	mm	Panel A Size Height x Width in.	mm	Panel B Size Height x Width in.	mm
8618714-12FS	86.00x187.50x14.00	2184x4763x356	78.00x33.00	1981x838	78.00x70.00	1981x1778



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Notes

TYPE 4 ENCLOSURES

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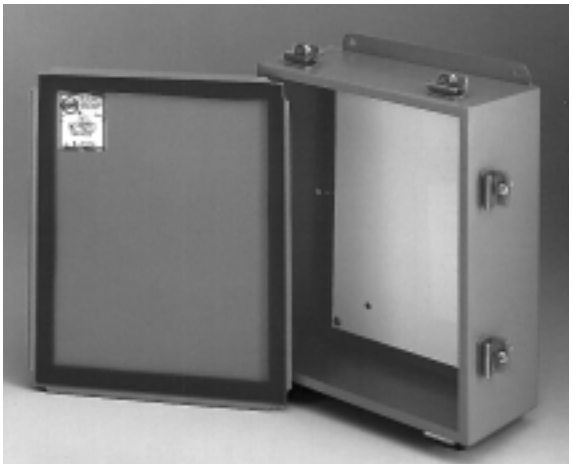
JIC Continuous Hinge Cover Enclosures . 140
Single-Door Enclosures 142
Double-Door Floor-Standing Enclosures .. 145
Free-Standing Enclosures 147
Free-Standing Accessories 149

Type 4 JIC Lift-Off Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Cover has a fixed, oil and water-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

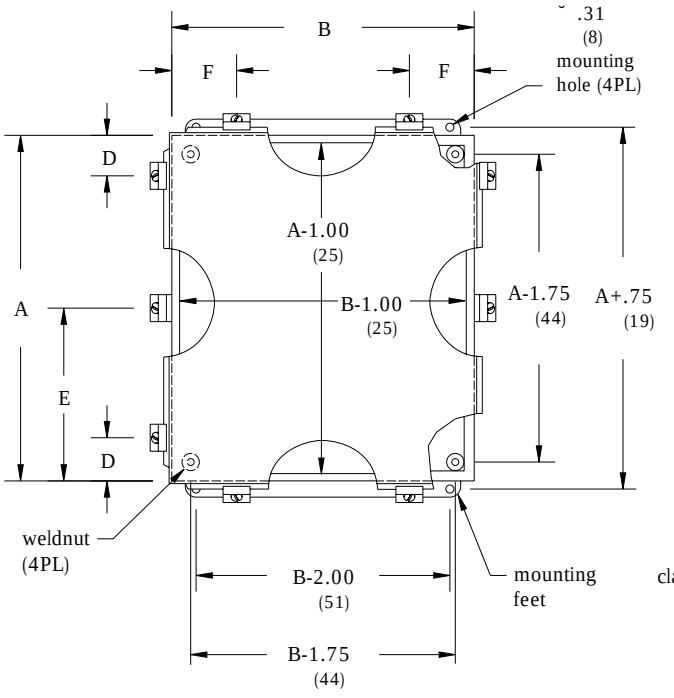
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

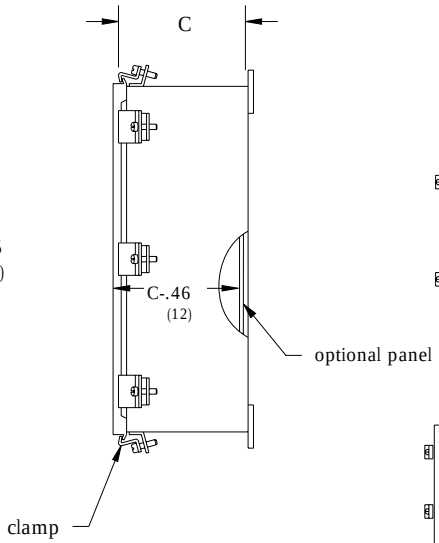
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 JIC Lift-Off Cover Enclosures

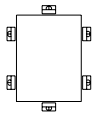
Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number	Panel Size Height x Width in.	mm
443-4LC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	**-**	-	-
643-4LC	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	**AW64P**	4.87x2.87	124x73
863.5-4LC	8.00x6.00x3.50	203x152x89	4.00	102	-	-	3.00	76	**AW86P**	6.87x4.87	174x124
664-4LC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	4.87x4.87	124x124
1084-4LC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	8.87x6.87	225x174
12105-4LC	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	**AW1210P**	10.87x8.87	276x225
14126-4LC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	12.87x10.87	327x276
16146-4LC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	14.87x12.87	378x327

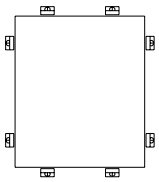




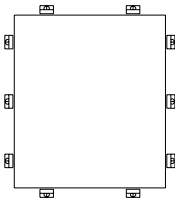
443-4LC
643-4LC
863.5-4LC
664-4LC



1084-4LC



12105-4LC
14126-4LC



16146-4LC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 JIC Continuous Hinge Cover Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Stainless steel hinge pin
- Cover has a fixed, oil and water-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

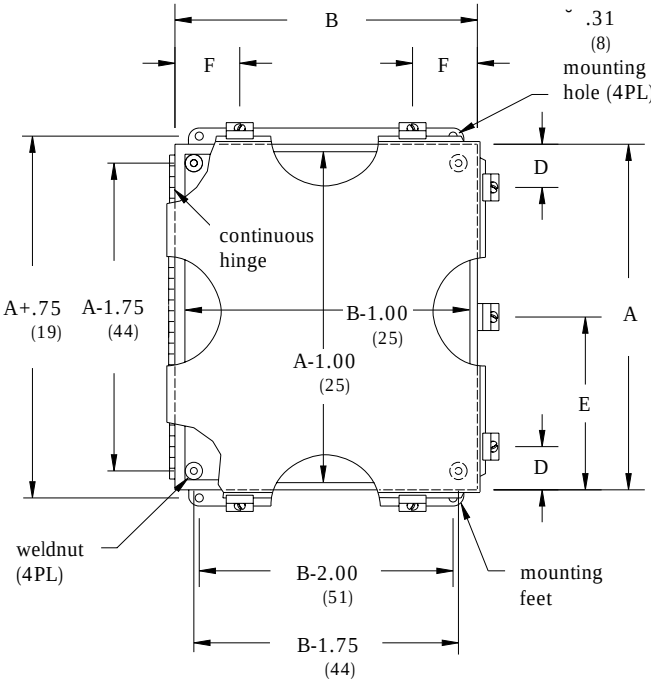
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

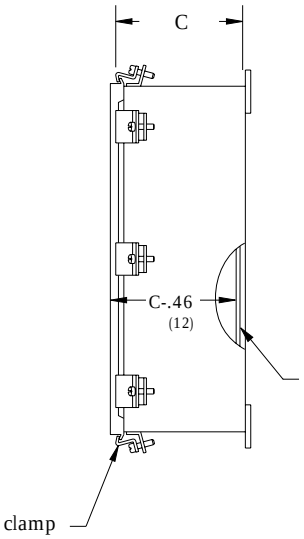
Type 4 JIC Continuous Hinge Cover Enclosures

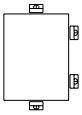
Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number	Panel Size Height x Width in.	Panel Size mm
443-4CHC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	**-**	-	-
643-4CHC	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	**AW64P**	4.87x2.87	124x73
863.5-4CHC	8.00x6.00x3.50	203x152x89	4.00	102	-	-	3.00	76	**AW86P**	6.87x4.87	174x124
644-4CHC	6.00x4.00x4.00	152x102x102	3.00	76	-	-	2.00	51	**AW64P**	4.87x2.87	124x73
664-4CHC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	4.87x4.87	124x124
1084-4CHC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	8.87x6.87	225x174
12105-4CHC	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	**AW1210P**	10.87x8.87	276x225
1086-4CHC	10.00x8.00x6.00	254x203x152	2.00	51	-	-	4.00	102	**AW108P**	8.87x6.87	225x174
12126-4CHC	12.00x12.00x6.00	305x305x152	3.00	76	-	-	3.00	76	**AW1212P**	10.87x10.87	276x276
14126-4CHC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	12.87x10.87	327x276
16146-4CHC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	14.87x12.87	378x327

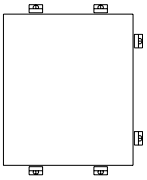
443-4CHC
643-4CHC
863.5-4CHC
644-4CHC
664-4CHC



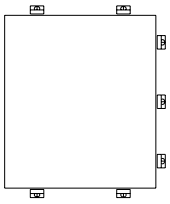




1084-4CHC
1086-4CHC



12105-4CHC
12126-4CHC
14126-4CHC



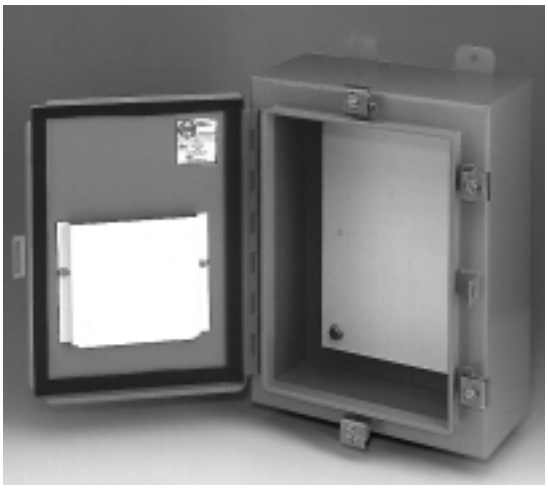
16146-4CHC

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Single-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and door are fabricated from code gauge steel, (see table)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil and water-resistant gasket
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Door lock kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Single-Door Enclosures

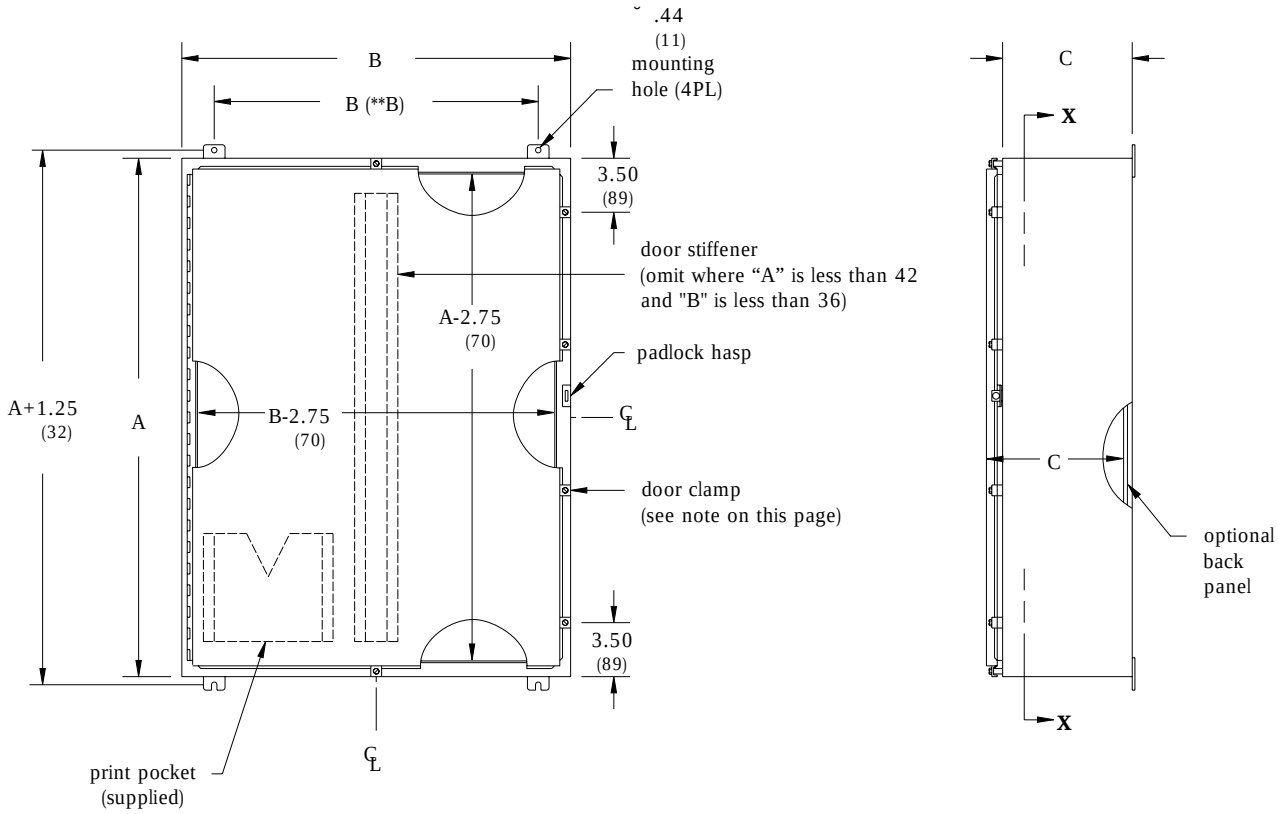
Catalog Number

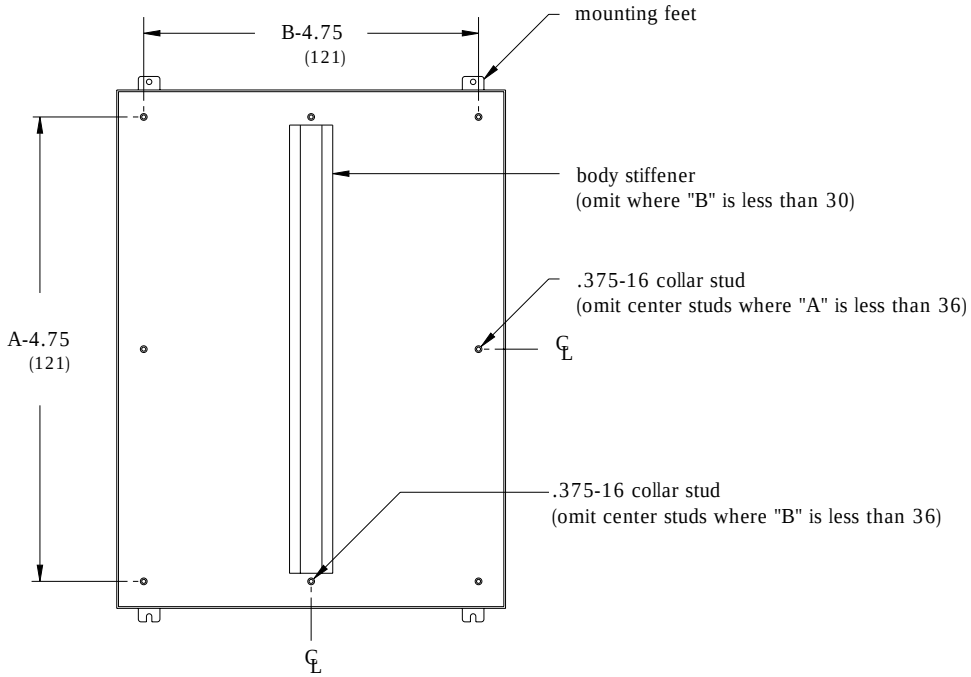
Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Gauge	Panel Catalog Number	Panel Size Height x Width in.	mm
16126-4	16.00x12.00x6.00	406x305x152	16	**AW1612P**	13.00x9.00	330x229
16166-4	16.00x16.00x6.00	406x406x152	16	**AW1616P**	13.00x13.00	330x330
16206-4	16.00x20.00x6.00	406x508x152	16	**AW2016P**	13.00x17.00	330x432
20166-4	20.00x16.00x6.00	508x406x152	16	**AW2016P**	17.00x13.00	432x330
20206-4	20.00x20.00x6.00	508x508x152	16	**AW2020P**	17.00x17.00	432x432
24126-4	24.00x12.00x6.00	610x305x152	16	**AW2412P**	21.00x9.00	533x229
24166-4	24.00x16.00x6.00	610x406x152	16	**AW2416P**	21.00x13.00	533x330
24206-4	24.00x20.00x6.00	610x508x152	16	**AW2420P**	20.87x16.87	530x428
24246-4	24.00x24.00x6.00	610x610x152	14	**AW2424P**	20.87x20.87	530x530
30206-4	30.00x20.00x6.00	762x508x152	14	**AW3020P**	26.87x16.87	682x428
30246-4	30.00x24.00x6.00	762x610x152	14	**AW3024P**	26.87x20.87	682x530
36246-4	36.00x24.00x6.00	914x610x152	14	**AW3624P**	32.87x20.87	835x530
16128-4	16.00x12.00x8.00	406x305x203	16	**AW1612P**	13.00x9.00	330x229
20168-4	20.00x16.00x8.00	508x406x203	16	**AW2016P**	17.00x13.00	432x330
20208-4	20.00x20.00x8.00	508x508x203	16	**AW2020P**	17.00x17.00	432x432
20248-4	20.00x24.00x8.00	508x610x203	16	**AW2024P**	16.87x20.87	428x530
24208-4	24.00x20.00x8.00	610x508x203	16	**AW2420P**	20.87x16.87	530x428
24248-4	24.00x24.00x8.00	610x610x203	14	**AW2424P**	20.87x20.87	530x530
24308-4	24.00x30.00x8.00	610x762x203	14	**AW3024P**	20.87x26.87	530x682
30208-4	30.00x20.00x8.00	762x508x203	14	**AW3020P**	26.87x16.87	682x428
30248-4	30.00x24.00x8.00	762x610x203	14	**AW3024P**	26.87x20.87	682x530
30308-4	30.00x30.00x8.00	762x762x203	14	**AW3030P**	26.87x26.87	682x682
36248-4	36.00x24.00x8.00	914x610x203	14	**AW3624P**	32.87x20.87	835x530
36308-4	36.00x30.00x8.00	914x762x203	14	**AW3630P**	32.87x26.87	835x682
42308-4	42.00x30.00x8.00	1067x762x203	14	**AW4230P**	38.87x26.87	987x682
42368-4	42.00x36.00x8.00	1067x914x203	14	**AW4236P**	38.87x32.87	987x835
48368-4	48.00x36.00x8.00	1219x914x203	14	**AW4836P**	44.87x32.87	1140x835
60368-4	60.00x36.00x8.00	1524x914x203	14	**AW6036P**	56.87x32.87	1444x835
201610-4	20.00x16.00x10.00	508x406x254	16	**AW2016P**	17.00x13.00	432x330
242010-4	24.00x20.00x10.00	610x508x254	16	**AW2420P**	20.87x16.87	530x428
302410-4	30.00x24.00x10.00	762x610x254	14	**AW3024P**	26.87x20.87	682x530
363010-4	36.00x30.00x10.00	914x762x254	14	**AW3624P**	32.87x26.87	835x682
483010-4	48.00x30.00x10.00	1219x762x254	14	**AW4830P**	44.87x26.87	1140x682
483610-4	48.00x36.00x10.00	1219x914x254	14	**AW4836P**	44.87x32.87	1140x835
603610-4	60.00x36.00x10.00	1524x914x254	14	**AW6036P**	56.87x32.87	1444x835
302412-4	30.00x24.00x12.00	762x610x305	14	**AW3024P**	26.87x20.87	682x530
363012-4	36.00x30.00x12.00	914x762x305	14	**AW3630P**	32.87x26.87	835x682
483612-4	48.00x36.00x12.00	1219x914x305	14	**AW4836P**	44.87x32.87	1140x835
363016-4	36.00x30.00x16.00	914x762x406	14	**AW3630P**	32.87x26.87	835x682
483616-4	48.00x36.00x16.00	1219x914x406	14	**AW4836P**	44.87x32.87	1140x835
603616-4	60.00x36.00x16.00	1524x914x406	14	**AW6036P**	56.87x32.87	1444x835

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Single-Door Enclosures

Illustration Sheet



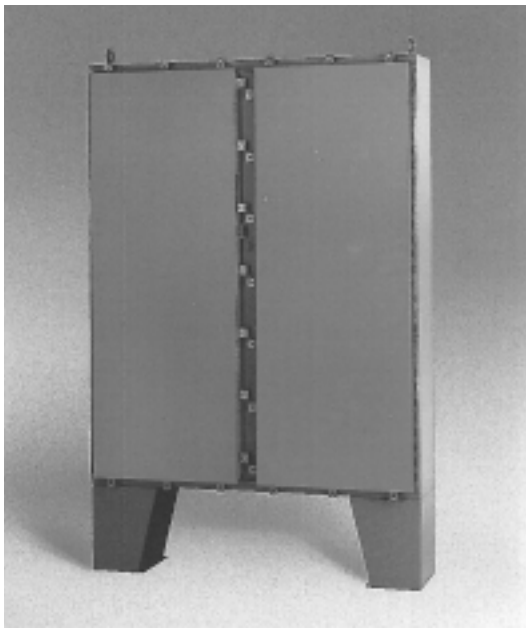


Section X-X

Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.
Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Double-Door Floor-Standing Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a fixed, oil and water-resistant gasket
- Ground stud provided on doors
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

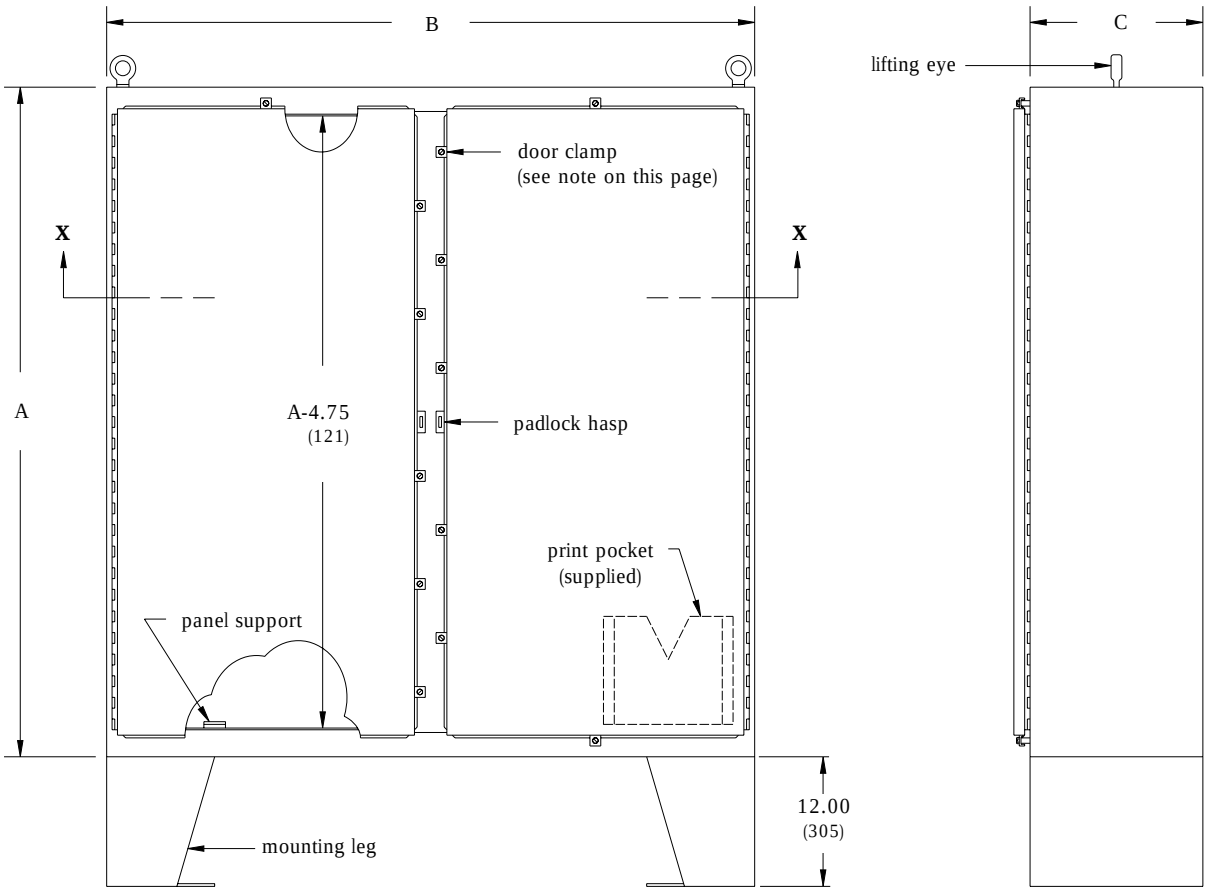
- Panels
- Leg stabilizer kit
- Touch-up paint
- See Accessories section

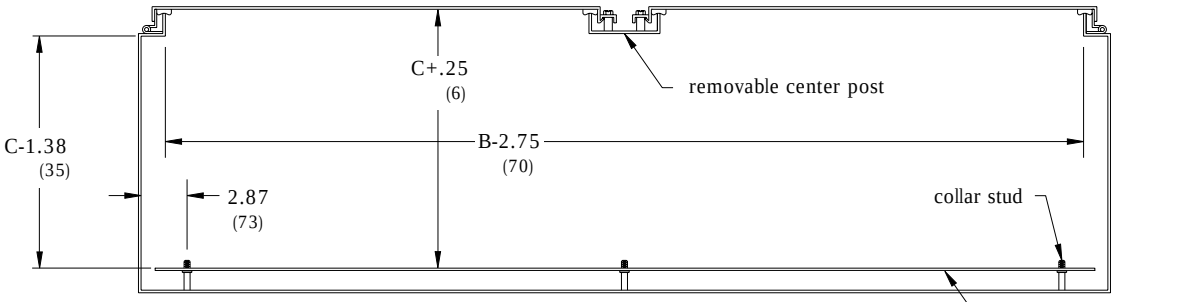
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Double-Door Floor-Standing Enclosures

Catalog Number

Enclosure	Enclosure Size		Panel	Panel Size	
	Height Width Depth A x B x C				
Catalog Number	in.	mm	Catalog Number	Height x Width in.	mm
624810-4FD	62.00x48.00x10.00	1575x1219x254	AW6048P	55.87x43.87	1419x1114
626012-4FD	62.00x60.00x12.00	1575x1524x305	AW6060P	55.87x55.87	1419x1419
746012-4FD	74.00x60.00x12.00	1880x1524x305	AW7260P	67.87x55.87	1724x1419
747212-4FD	74.00x72.00x12.00	1880x1829x305	AW7272P	67.87x67.87	1724x1724
747224-4FD	74.00x72.00x24.00	1880x1829x610	AW7272P	67.87x67.87	1724x1724



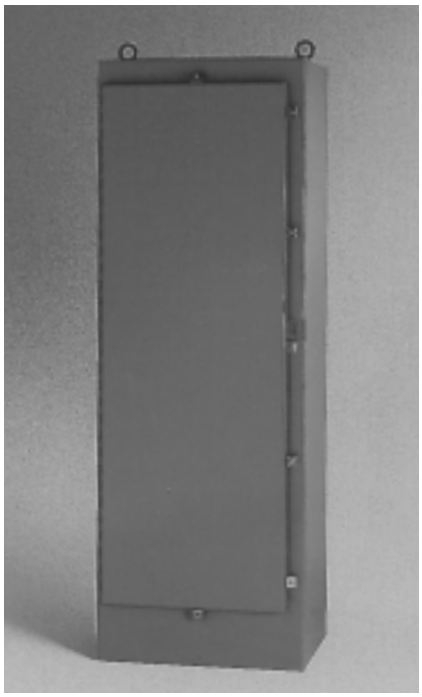


Section X-X
(enlarged)

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24 (610 mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Free-Standing Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Easy access fixed or swing panels for mounting optional equipment
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Door has a fixed oil and water-resistant gasket
- Ground stud provided on door
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- A variety of optional panel mounting and styles is available (see accessories)

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

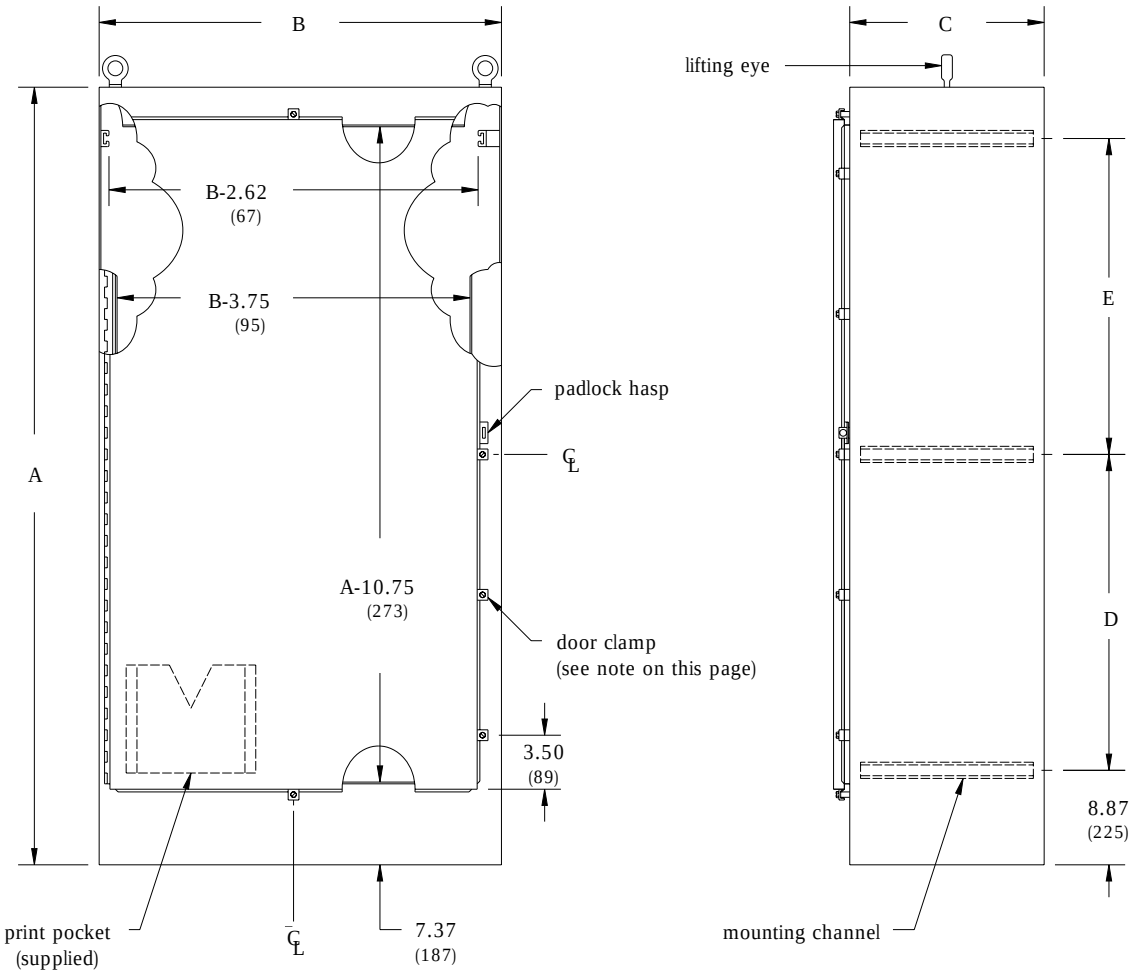
- Full and half panels
- Side panels
- Swing panels
- Channel mounting hardware
- Touch-up paint
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Free-Standing Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm
722518-4FS	72.00x25.00x18.00	1829x635x457	29.12	740	29.12	740
723118-4FS	72.00x31.00x18.00	1829x787x457	29.12	740	29.12	740
723718-4FS	72.00x37.00x18.00	1829x940x457	29.12	740	29.12	740



Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

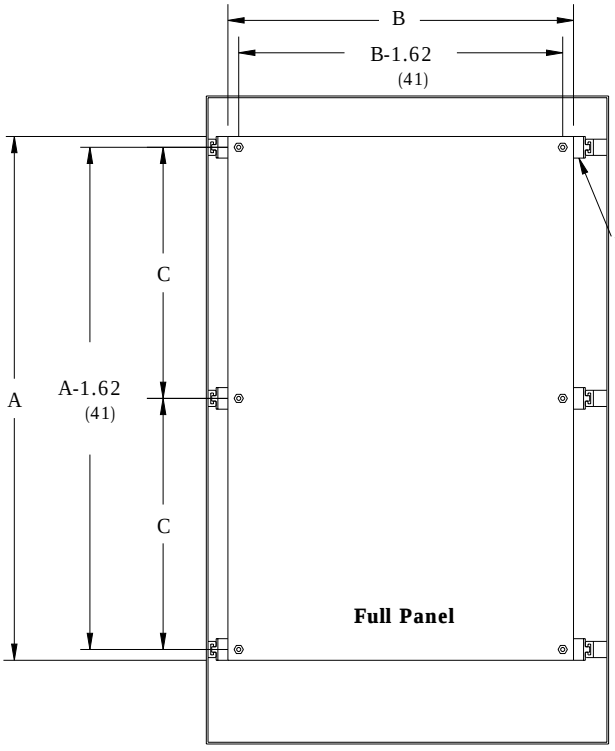
Type 4 Free-Standing Enclosures

Full and Half Panel Accessories

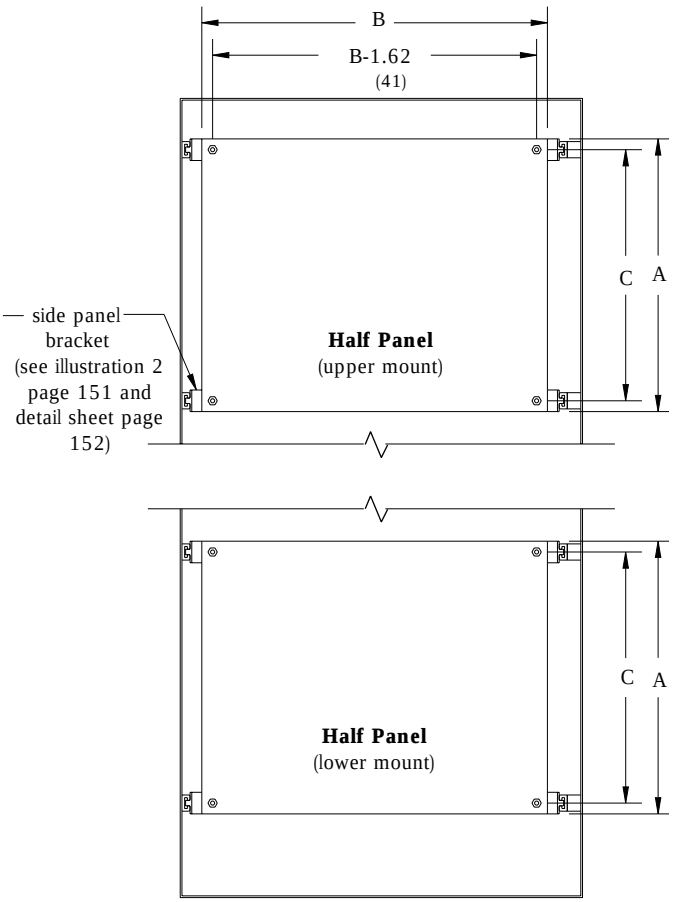
Catalog Number

Full Panel						
Panel	Panel Size				Fits Enclosure	
	Height x Width A x B		C		Height x Width	
Catalog Number	in.	mm	in	mm	in.	mm
AF7224P	59.87x19.87	1521x505	29.12	740	72.00x25.00	1829x635
AF7230P	59.87x25.87	1521x657	29.12	740	72.00x31.00	1829x787
AF7236P	59.87x31.87	1521x809	29.12	740	72.00x37.00	1829x940

Half Panel						
Panel	Panel Size				Fits Enclosure	
	Height x Width A x B		C		Height x Width	
Catalog Number	in.	mm	in	mm	in.	mm
AF7224HP	30.75x19.87	781x505	29.12	740	72.00x25.00	1829x635
AF7230HP	30.75x25.87	781x657	29.12	740	72.00x31.00	1829x767
AF7236HP	30.75x31.87	781x809	29.12	740	72.00x37.00	1829x940



Full Panel Mounting



Half Panel Mounting

Notes: Full Panel and Half Panel for Free-Standing Enclosures are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-Standing design permits the panel to adjust along the depth of the enclosure.

Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

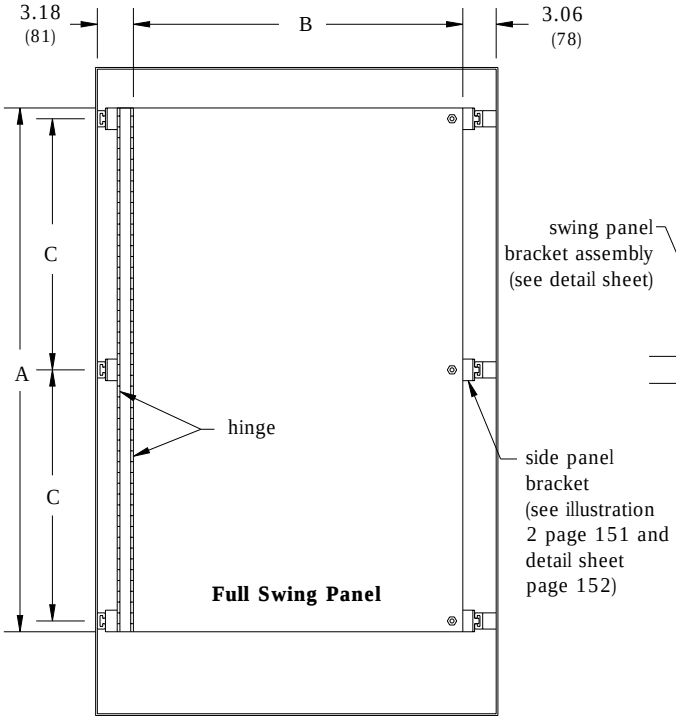
Type 4 Free-Standing Enclosures

Full and Half Swing Panel Accessories

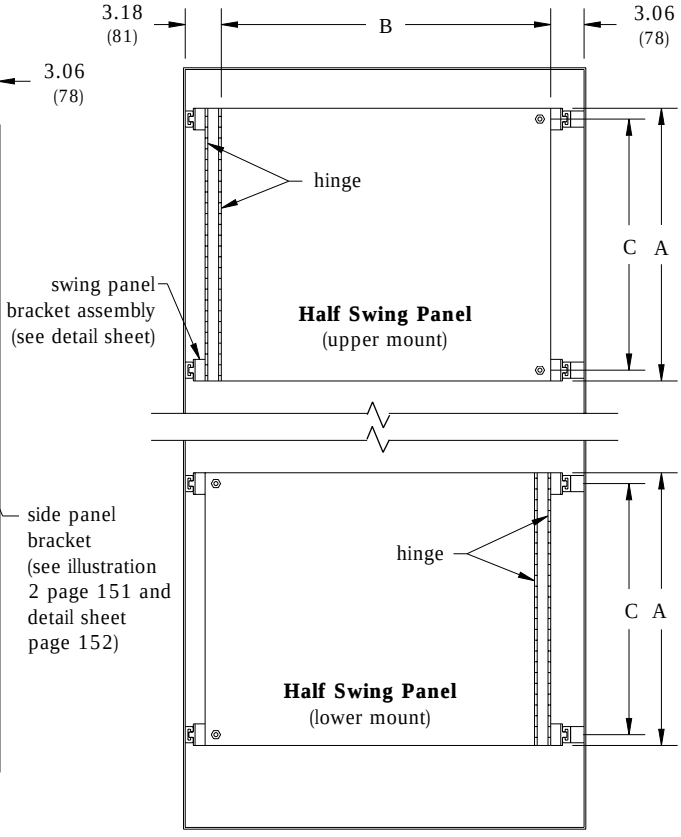
Catalog Number

Full Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF7224SWP	59.87x18.75	1521x476	29.12	740	72.00x25.00	1829x635
AF7230SWP	59.87x24.75	1521x629	29.12	740	72.00x31.00	1829x787
AF7236SWP	59.87x30.75	1521x781	29.12	740	72.00x37.00	1829x940

Half Swing Panel						
Panel	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm
AF7224HSWP	30.75x18.75	781x476	29.12	740	72.00x25.00	1829x635
AF7230HSWP	30.75x24.75	781x629	29.12	740	72.00x31.00	1829x787
AF7236HSWP	30.75x30.75	781x781	29.12	740	72.00x37.00	1829x940



Full Swing Panel Mounting



Half Swing Panel Mounting

Notes: Full Swing Panel and Half Swing Panel for Free-Standing Enclosures are (12) gauge steel, have a dual hinge swing panel bracket, and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge either on the left or the right side. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-Standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front.

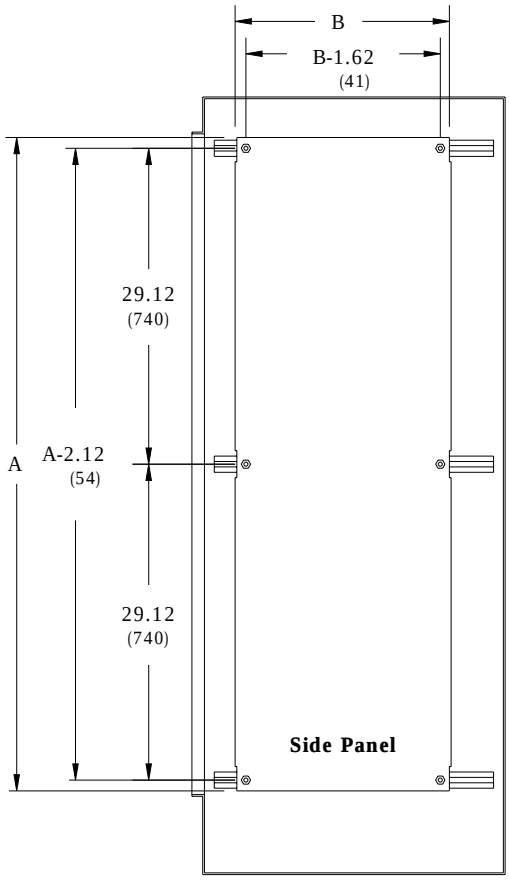
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Free-Standing Enclosures
Side Panel and Miscellaneous Accessories
Catalog Number

Side Panel				
Panel	Panel Size Height x Width A x B		Fits Enclosure Height x Width	
Catalog Number	in.	mm	in.	mm
AF7218SP*	60.37x13.87	1533x352	72.00x18.00	1829x457

* Back panel may restrict the movement of the side panel.

Miscellaneous Accessories			
Catalog Number	Description	Illustration	Quantity
AFCMH3	Channel mounting hardware	1	3
AFSBRKT1	Panel mounting side bracket	2	1



Side Panel Mounting

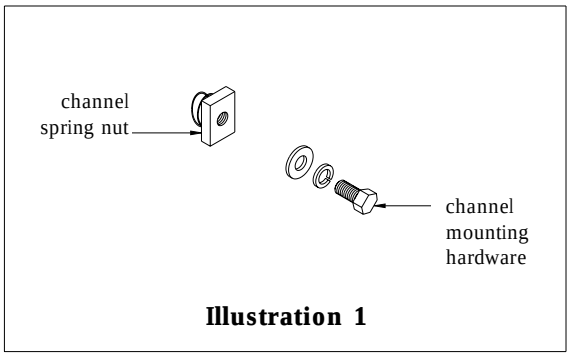


Illustration 1

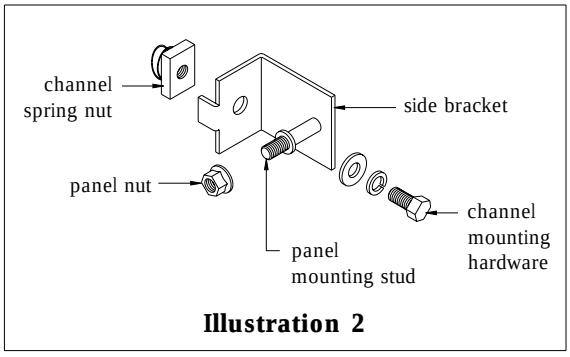


Illustration 2

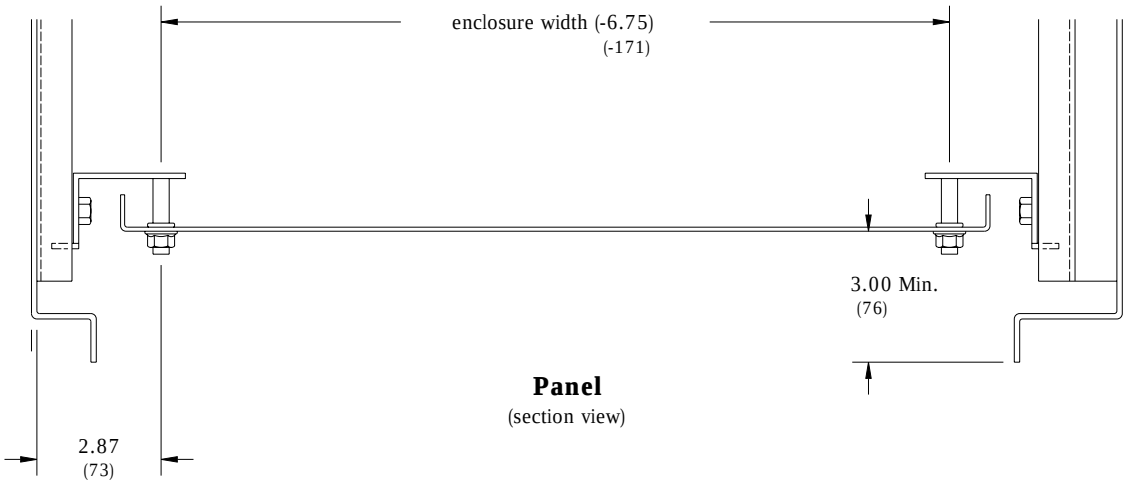
Notes: Side Panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth. However, when Full or Half Panels are installed, movement will be restricted.

Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

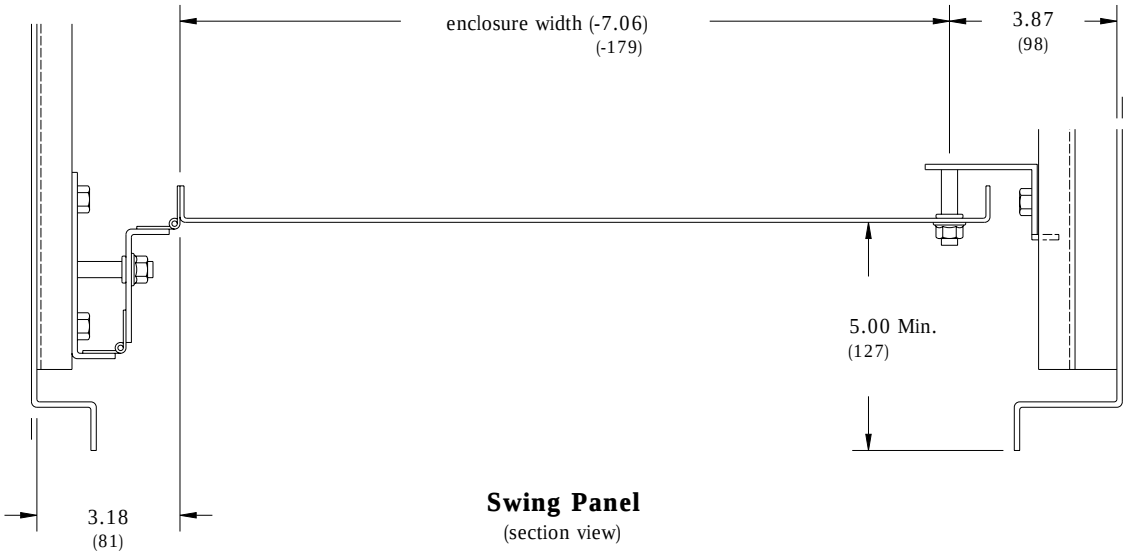
Type 4 Free-Standing Enclosures

Panel and Enclosure Detail

Detail Sheet



Panel
(section view)



Swing Panel
(section view)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Single-Door Wall-Mount Enclosures 154
Single-Door Wall-Mount Enclosures With Windows 154
Flush Mount Enclosures 157
Type 12 Two-Door Enclosures 158
Premier Series Accessories 160

TYPE 4/12 PREMIER SERIES

Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures
Data Sheet

Application
- Houses electrical controls and instruments in a contemporary streamlined design
- Premier series enclosures offer increased flexibility and improved features suitable for any high-tech or standard installation
- Intended for indoor or outdoor use
- Protects against circulating and windblown dust, falling dirt, dripping noncorrosive liquids, rain, splashing water and hose directed water

Standards
- UL 508 Listed, Type 4 and Type 12
- cUL Listed, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- IEC 529, IP66

Construction
- Enclosure and door are fabricated from code gauge steel (see table)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting and sealing washers for body mounting holes

Body Construction
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting

Door Construction
- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarterturn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door has a fixed, oil and water-resistant, seamless foam in-place gasket
- Door opens 170° for easy access
- Utility rail provides grounding, rigidity and wire management
- Door stiffeners are provided on larger enclosures for added rigidity
- Window-door enclosures feature flush-mounted clear polycarbonate window

Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories
- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels
- **See Accessories section, pages 160-164**

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

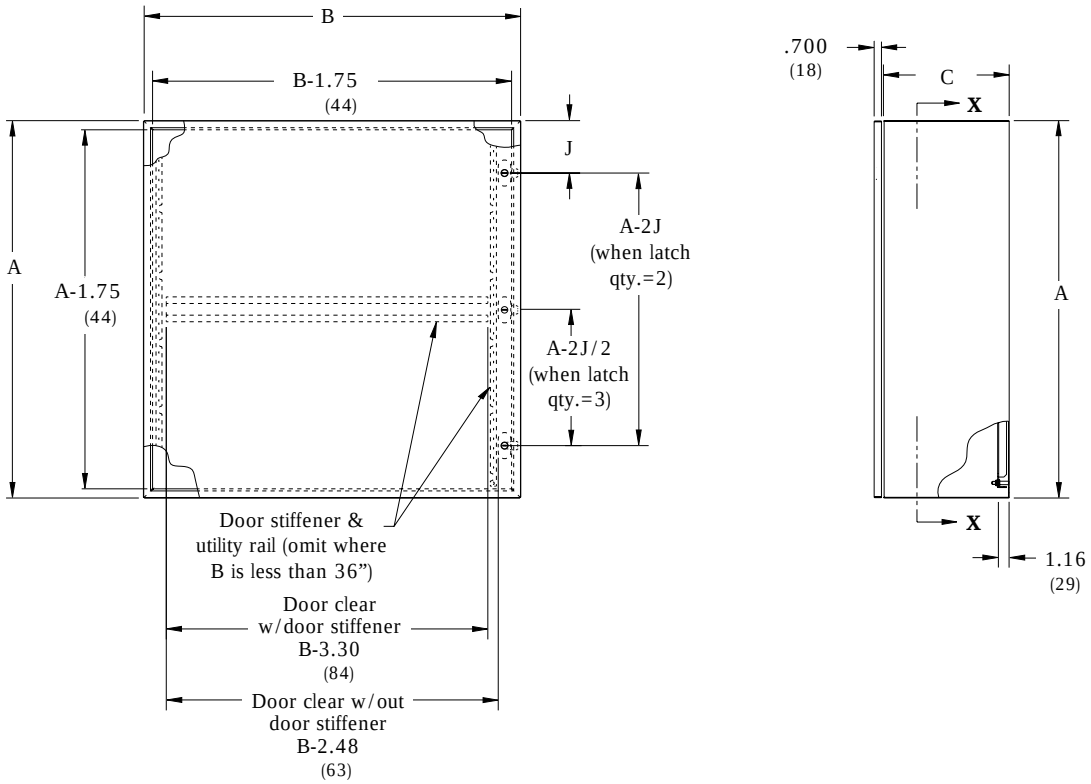
Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures

Catalog Number

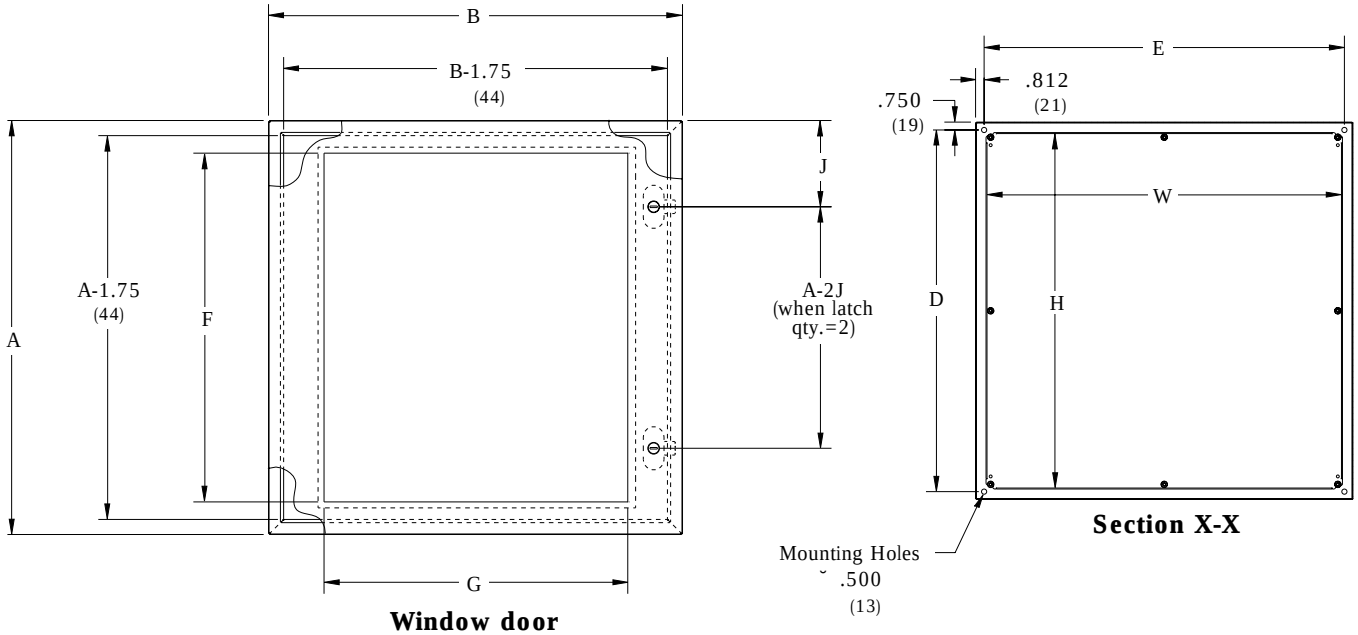
Enclosure Catalog Number		Enclosure Size A x B x C		Door/Body Gauge	Panel Catalog Number	Panel Size H x W		Mounting D x E		Window Size F x G		Latch Qty.	J	
Solid Door	Window Door	in.	mm			in.	mm	in.	mm	in.	mm		in.	mm
1084-SD	-	10x8x4	254x203x102	16/16	108P	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
1086-SD	-	10x8x6	254x203x152	16/16	108P	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
12106-SD	-	12x10x6	305x254x152	16/16	1210P	10.00x8.00	254x203	10.50x8.37	267x213	-	-	1	6.00	152
12126-SD	12126-SDW	12x12x6	305x305x152	16/16	1212P	10.00x10.00	254x254	10.50x10.37	267x264	8.25x7.00	210x178	1	6.00	152
16126-SD	16126-SDW	16x12x6	406x305x152	16/16	1612P	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
16166-SD	-	16x16x6	406x406x152	16/16	1616P	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
16206-SD	-	16x20x6	406x508x152	16/16	2016P	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
20166-SD	20166-SDW	20x16x6	508x406x152	16/16	2016P	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20206-SD	20206-SDW	20x20x6	508x508x152	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
24166-SD	-	24x16x6	610x406x152	16/16	2416P	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
24206-SD	24206-SDW	24x20x6	610x508x152	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
24246-SD	24246-SDW	24x24x6	610x610x152	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	1	5.00	127
16128-SD	16128-SDW	16x12x8	406x305x203	16/16	1612P	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
16168-SD	-	16x16x8	406x406x203	16/16	1616P	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
16208-SD	-	16x20x8	406x508x203	16/16	2016P	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
20168-SD	20168-SDW	20x16x8	508x406x203	16/16	2016P	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20208-SD	20208-SDW	20x20x8	508x508x203	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
20248-SD	-	20x24x8	508x610x203	16/16	2420P	18.00x22.00	457x559	18.50x22.37	470x568	-	-	1	10.00	254
24168-SD	-	24x16x8	610x406x203	16/16	2416P	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
24208-SD	24208-SDW	24x20x8	610x508x203	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
24248-SD	24248-SDW	24x24x8	610x610x203	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
24308-SD	-	24x30x8	610x762x203	14/16	3024P	22.00x28.00	559x711	22.50x28.37	572x721	-	-	2	5.00	127
30208-SD	-	30x20x8	762x508x203	14/16	3020P	28.00x18.00	711x457	28.50x18.37	724x467	-	-	2	5.00	127
30248-SD	30248-SDW	30x24x8	762x610x203	14/16	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
30308-SD	-	30x30x8	762x762x203	14/14	3030P	28.00x28.00	711x711	28.50x28.37	724x721	-	-	2	5.00	127
36248-SD	-	36x24x8	914x610x203	14/14	3624P	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
36308-SD	-	36x30x8	914x762x203	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
36368-SD	-	36x36x8	914x914x203	14/14	3636P	34.00x34.00	864x864	34.50x34.37	876x873	-	-	2	5.00	127
202012-SD	202012-SDW	20x20x12	508x508x305	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
242012-SD	242012-SDW	24x20x12	610x508x305	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
242412-SD	242412-SDW	24x24x12	610x610x305	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
302412-SD	302412-SDW	30x24x12	762x610x305	14/16	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
303012-SD	-	30x30x12	762x762x305	14/14	3030P	28.00x28.00	711x711	28.50x28.37	724x721	-	-	2	5.00	127
362412-SD	-	36x24x12	914x610x305	14/14	3624P	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
363012-SD	-	36x30x12	914x762x305	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
363612-SD	-	36x36x12	914x914x305	14/14	3636P	34.00x34.00	864x864	34.50x34.37	876x873	-	-	2	5.00	127
423612-SD	-	42x36x12	1067x914x305	14/14	4236P	40.00x34.00	1016x864	40.50x34.37	1029x873	-	-	3	5.00	127
482412-SD	-	48x24x12	1219x610x305	14/14	4824P	46.00x22.00	1168x559	46.50x22.37	1181x568	-	-	3	5.00	127
483612-SD	-	48x36x12	1219x914x305	14/14	4836P	46.00x34.00	1168x864	46.50x34.37	1181x873	-	-	3	5.00	127
603612-SD	-	60x36x12	1524x914x305	14/14	6036P	58.00x34.00	1473x864	58.50x34.37	1486x873	-	-	3	5.00	127
242416-SD	242416-SDW	24x24x16	610x610x406	14/14	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
363016-SD	-	36x30x16	914x762x406	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
483616-SD	-	48x36x16	1219x914x406	14/14	4836P	46.00x34.00	1168x864	46.50x34.37	1181x873	-	-	3	5.00	127
242420-SD	242420-SDW	24x24x20	610x610x508	14/14	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
302420-SD	302420-SDW	30x24x20	762x610x508	14/14	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
363020-SD	-	36x30x20	914x762x508	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures



Premier Series
Type 4 & 12 Single-Door Wall-Mount Enclosures

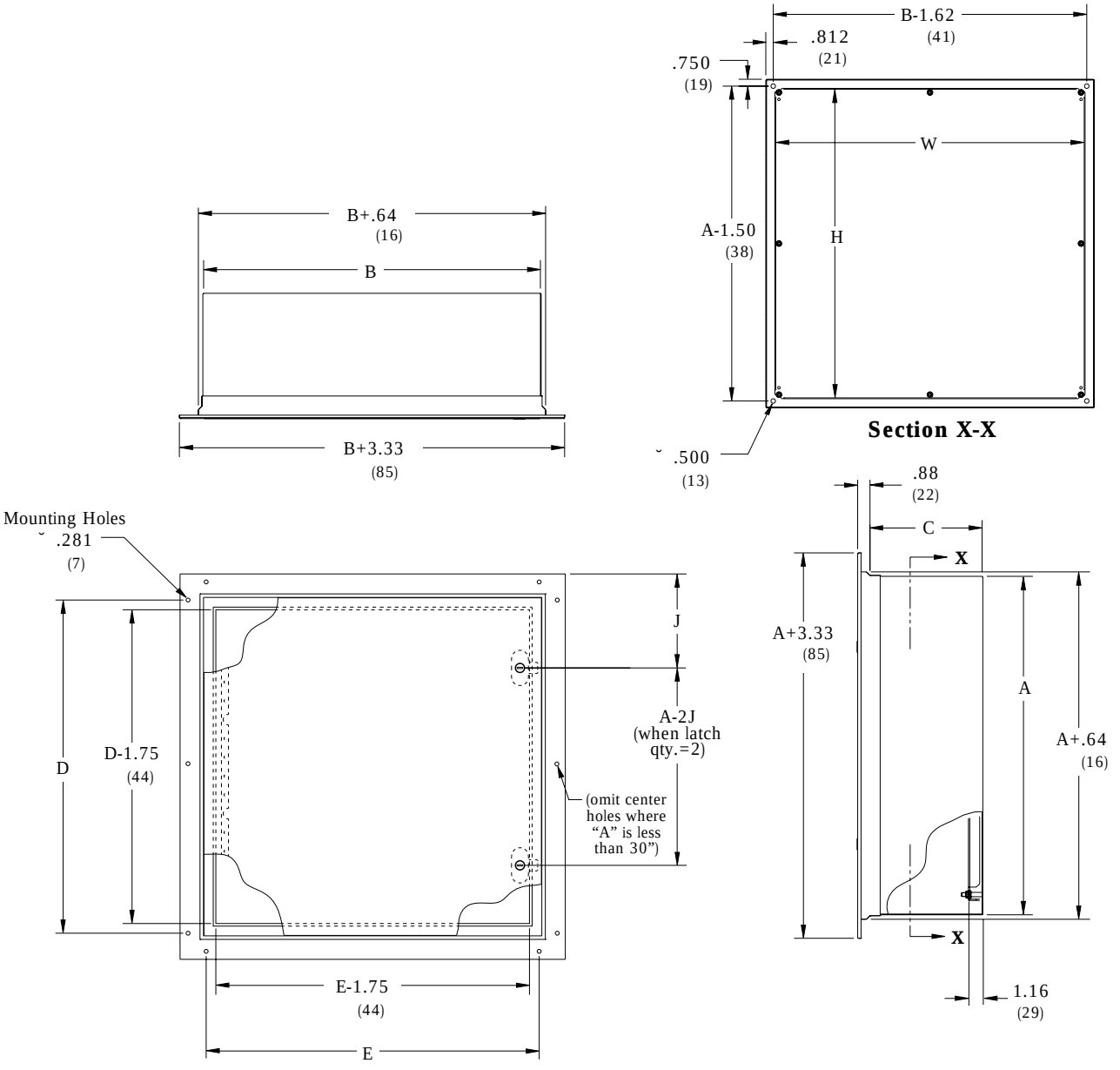


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series
Type 4 & 12 Flush Mount

Catalog Number

Enclosure Catalog Number Solid Door	Enclosure Size A x B x C in.	mm	Door/Body Gauge	Panel Catalog Number	Panel Size H x W in.	mm	Mounting D x E in.	mm	Latch Qty.	J in	mm
12126-FM	12x12x6	305x305x152	16/16	1212P	10.00x10.00	254x254	11.62x11.62	295x295	1	6.00	152
16126-FM	16x12x6	406x305x152	16/16	1612P	14.00x10.00	356x254	15.62x11.62	397x295	1	8.00	203
20166-FM	20x16x6	508x406x152	16/16	2016P	18.00x14.00	457x356	19.62x15.62	498x397	1	10.00	254
20206-FM	20x20x6	508x508x152	16/16	2020P	18.00x18.00	457x457	19.62x19.62	498x498	1	10.00	254
24208-FM	24x20x8	610x508x152	16/16	2420P	22.00x18.00	559x457	23.62x19.62	600x498	1	5.00	127
24248-FM	24x24x8	610x610x152	14/16	2424P	22.00x22.00	559x559	23.62x23.62	600x600	2	5.00	127
30248-FM	30x24x8	762x610x152	14/16	3024P	28.00x22.00	711x559	29.62x23.62	752x600	2	5.00	127



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series
Type 12 Two-Door Enclosures
Data Sheet

Application
- Houses electrical controls and instruments in a contemporary streamlined design
- Premier series enclosures offer increased flexibility and improved features suitable for any high-tech or standard installation
- Protects against circulating and windblown dust, falling dirt and dripping noncorrosive liquids

Standards
- UL 508 Listed, Type 12
- cUL Listed, Type 12
- Conforms to NEMA standard for Type 12
- IEC 529, IP55

Construction
- Enclosure and door are fabricated from code gauge steel (see table)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting and sealing washers for body mounting holes

Body Construction
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting

Door Construction
- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarterturn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door opens 170° for easy access
- Door has a fixed, oil and water-resistant, seamless foam in-place gasket
- Utility rail provides grounding, rigidity and wire management
- Door stiffeners are provided on larger enclosures for added rigidity

Finish
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

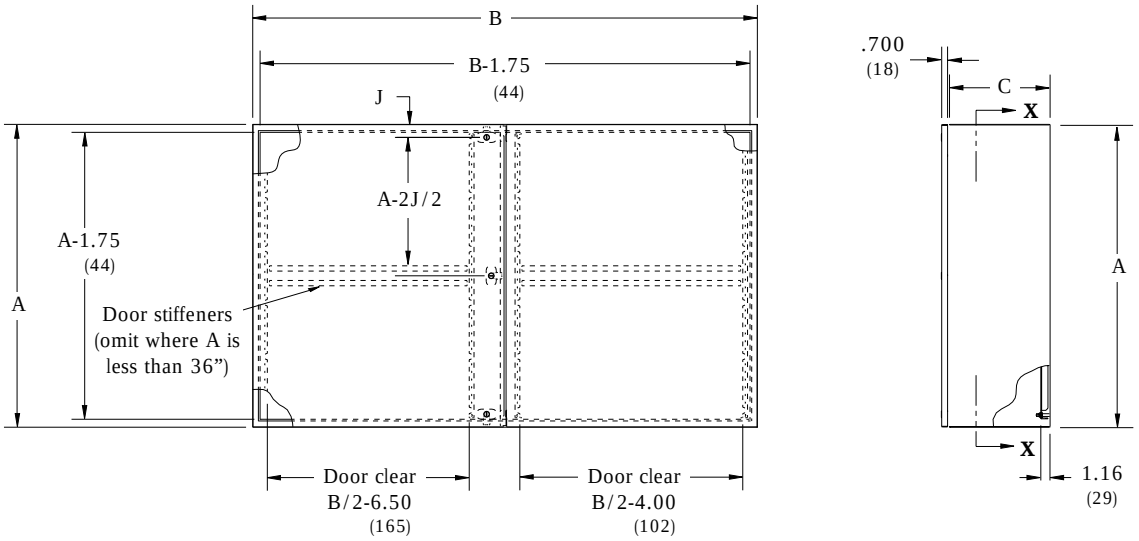
Accessories
- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- **See Accessories section, pages 160-164**

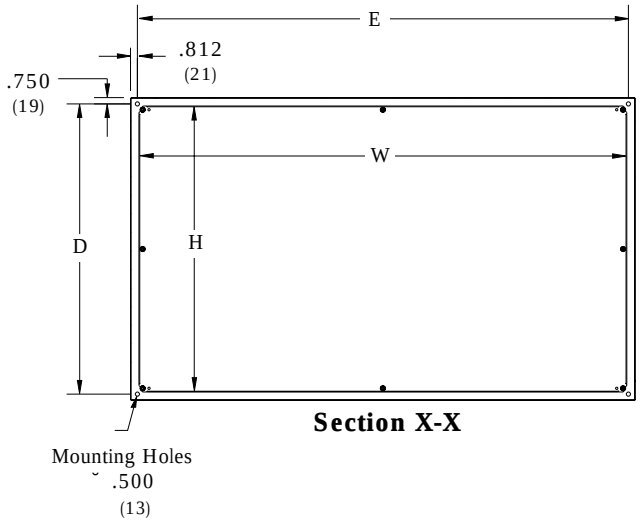
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Premier Series
Type 12 Two-Door Enclosures

Catalog Number

Enclosure Catalog Number Solid Door	Enclosure Size A x B x C in.	mm	Door/Body Gauge	Panel Catalog Number	Panel Size H x W in.	mm	Mounting D x E in.	mm	Latch Qty.	J in.	mm
24428-TD	24x42x8	610x1067x203	14/14	**2442P**	22.00x40.00	559x1016	22.50x40.37	572x1026	3	5.00	127
30488-TD	30x48x8	762x1219x203	14/14	**3048P**	28.00x46.00	711x1168	28.50x46.37	724x1178	3	5.00	127
306012-TD	30x60x12	762x1524x305	14/14	**3060P**	28.00x58.00	711x1473	28.50x58.37	724x1483	3	5.00	127
364812-TD	36x48x12	914x1219x305	14/14	**4836P**	34.00x46.00	864x1168	34.50x46.37	876x1178	3	5.00	127
366012-TD	36x60x12	914x1524x305	14/14	**6036P**	34.00x58.00	864x1473	32.37x56.50	822x1435	3	5.00	127





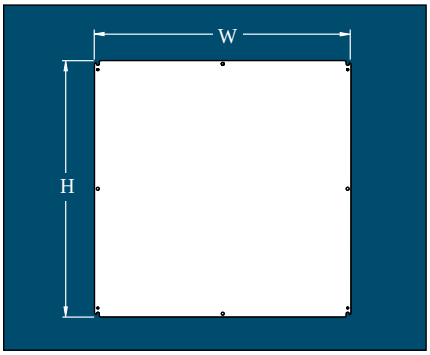
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series

Accessories

Panels

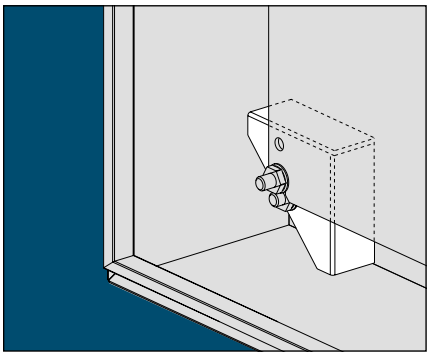
Premier panels can be installed in any premier-style enclosure and are up to 20% larger than standard NEMA panels. Panels above 24”are flanged. Steel panels have a white polyester powder paint finish.



Catalog Number	Panel Size H x W in.	mm	Gauge
108P	8.00x6.00	203x152	14
1210P	10.00x8.00	254x203	14
1212P	10.00x10.00	254x254	14
1612P	14.00x10.00	356x254	14
1616P	14.00x14.00	356x356	12
2016P	18.00x14.00	457x356	12
2020P	18.00x18.00	457x457	12
2416P	22.00x14.00	559x356	12
2420P	22.00x18.00	559x457	12
2424P	22.00x22.00	559x559	12
2442P	22.00x40.00	559x1016	12
3020P	28.00x18.00	711x457	12
3024P	28.00x22.00	711x559	12
3030P	28.00x28.00	711x711	12
3048P	28.00x46.00	711x1168	12
3060P	28.00x58.00	711x1473	12
3624P	34.00x22.00	864x559	12
3630P	34.00x28.00	864x711	12
3636P	34.00x34.00	864x864	12
4236P	40.00x34.00	1016x864	12
4824P	46.00x22.00	1168x559	12
4836P	46.00x34.00	1168x864	12
6036P	58.00x34.00	1473x864	12

NEMA Panel Adaptors

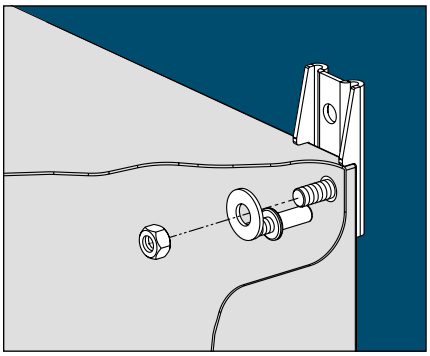
NEMA panel adaptors allow standard NEMA panels to be used in Premier series enclosures. Decreased height and width of NEMA panels increase space around panel for wire management. Kit includes four adaptors and four .375-16 flanged hex nuts. Finish: Zinc Plated (**Note**: Cannot be used with enclosure AxB= 10x8 (254 mm x 203 mm), 12x10 (305 mm x 254 mm), 12x12 (305 mm x 305 mm).



Catalog Number	Qty.	For use with Premier Enclosures
PCK4	4	30” x 30” or smaller

Mounting Foot Kits

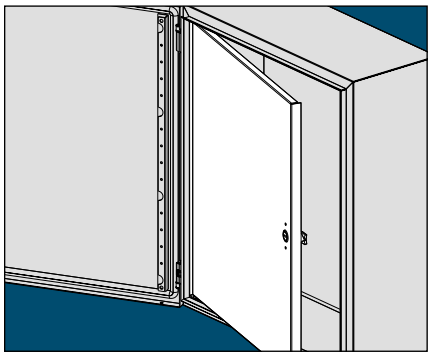
Mounting foot kits are available in steel or stainless steel. Four feet and hardware are included. (**Note**: Cannot be used with enclosure A x B=10x8 (254x203), 12x10 (305x254), 12x12 (305x305).



Catalog Number	Qty.	Description
WMK	4	Zinc Plated Steel
WMKSS6	4	Type 316 Stainless Steel

Swing-Out Panels

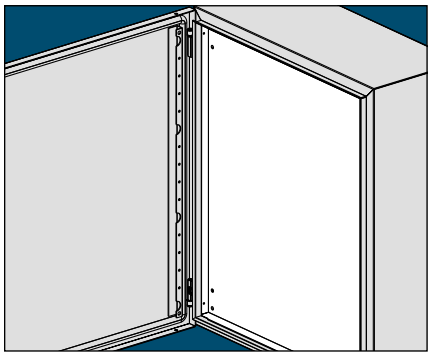
Swing-out panels offer a means for mounting user components and equipment near the front of an enclosure opening. Panel pivots from front of enclosure to allow easy access to internal equipment. Swing-out panel is 14 gauge with a white polyester powder finish and includes all hardware for mounting to front flange of enclosure.
(**Note**: Cannot be used in conjunction with depth adjustment brackets).



Catalog Number	Panel Size Height x Width in.	mm	For use with Premier Enclosures A x B
1212SP	9.78x9.84	248x250	12”x12”
1612SP	13.78x9.84	350x250	16”x12”
1616SP	13.78x13.84	350x352	16”x16”
1620SP	13.78x17.84	350x453	16”x20”
2016SP	17.78x13.84	452x352	20”x16”
2020SP	17.78x17.84	452x453	20”x20”
2024SP	17.78x21.84	452x555	20”x24”
2416SP	21.78x13.84	553x352	24”x16”
2420SP	21.78x17.84	553x453	24”x20”
2424SP	21.78x21.84	553x555	24”x24”
3020SP	27.78x17.84	706x453	30”x20”
3024SP	27.78x21.84	706x555	30”x24”
3030SP	27.78x27.84	706x707	30”x30”
3624SP	33.78x21.84	858x555	36”x24”
3630SP	33.78x27.84	858x707	36”x30”
3636SP	33.78x33.84	858x860	36”x36”

Dead Front Panels

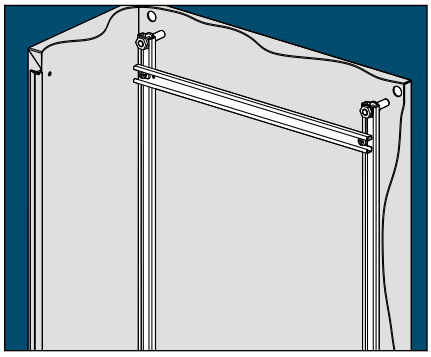
Dead front kits offer a means for mounting user components and equipment near the front of an enclosure opening. Also creates a barrier and controls access to the enclosure interior. Kit includes ANSI 61 gray panel and all hardware for mounting to enclosures.
(**Note**: Cannot be used in conjunction with depth adjustment brackets).



Catalog Number	For use with Premier Enclosures A x B
1212DF	12”x12”
1612DF	16”x12”
2016DF	20”x16”
2020DF	20”x20”
2420DF	24”x20”
2424DF	24”x24”
3024DF	30”x24”

Mounting Channels

Mounting channels create a vertical or horizontal framework for DIN rail, flexible mounting straps, or other component attachment. Two channels provided for mounting on enclosure collar studs. Finish: Zinc Plated



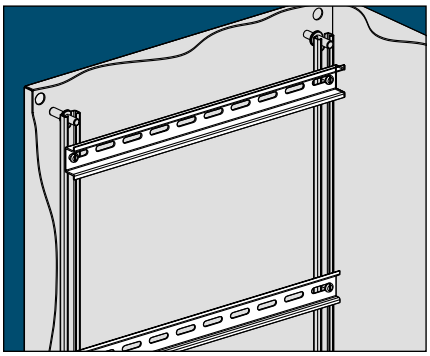
Catalog Number	Qty.	For use with Premier Enclosures
12MC	2	12” height or width
16MC	2	16” height or width
20MC	2	20” height or width
24MC	2	24” height or width
30MC	2	30” height or width
36MC	2	36” height or width
42MC	2	42” height or width
48MC	2	48” height or width
60MC	2	60” height or width

Premier Series

Accessories

DIN Rail Kits

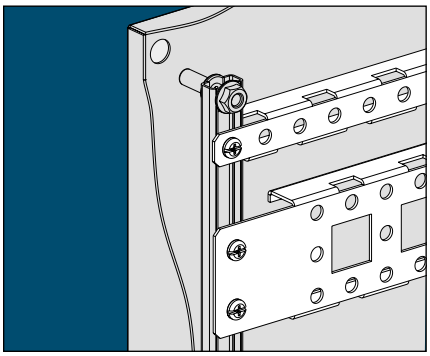
DIN rail kits provide flexibility for mounting DIN type snap-on equipment. Three styles; TS32x15, slotted; TS35x7.5, slotted; TS35x15, slotted all attach to collar studs either horizontally or vertically. Three DIN rails, screws and channel nuts are provided.
Finish: Yellow Zinc



Catalog Number	Description	For use with Premier Enclosures
12DR1P	TS32x15, slotted	12" height or width
16DR1P	TS32x15, slotted	16" height or width
20DR1P	TS32x15, slotted	20" height or width
24DR1P	TS32x15, slotted	24" height or width
12DR3P	TS35x7.5, slotted	12" height or width
16DR3P	TS35x7.5, slotted	16" height or width
20DR3P	TS35x7.5, slotted	20" height or width
24DR3P	TS35x7.5, slotted	24" height or width
12DRCP	TS35x15, slotted	12" height or width
16DRCP	TS35x15, slotted	16" height or width
20DRCP	TS35x15, slotted	20" height or width
24DRCP	TS35x15, slotted	24" height or width

Flexible Mounting Straps

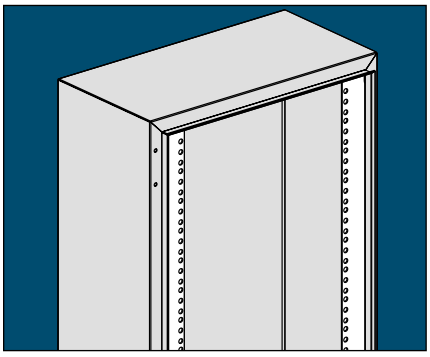
Flexible mounting straps offer a versatile, horizontal or vertical mounting method inside enclosure body. Two designs; 1-hole or 3-hole pattern increase mounting flexibility and attach to enclosure collar studs. Flexible mounting strap kit contains two straps and hardware. Finish: Zinc Plated



Catalog Number	Description	Fits Premier Enclosure
12GS1	1 hole	12" height or width
16GS1	1 hole	16" height or width
20GS1	1 hole	20" height or width
24GS1	1 hole	24" height or width
30GS1	1 hole	30" height or width
36GS3	3 hole	36" height or width
42GS3	3 hole	42" height or width
48GS3	3 hole	48" height or width
60GS3	3 hole	60" height or width

Rack Mounting Angles

Relay rack angles are designed for mounting EIA 19" rack mount equipment inside 24" wide enclosures. Fabricated from 14 gauge steel and zinc plated. Rack angles are mounted to enclosure flange with hardware provided. Rack mount angles are untapped and require screws and cage nuts for equipment mounting (order separately).
Finish: Zinc Plated

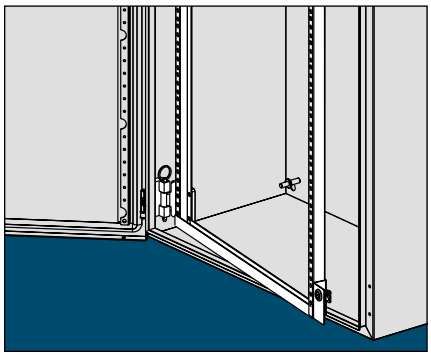


Catalog Number	For use with Premier Enclosures	Mounting Units
10URMA	20" height	10
12URMA	24" height	12
16URMA	30" height	16
19URMA	36" height	19
26URMA	48" height	26

Universal Spacing [5/8" (16mm), 5/8" (16mm), 1/2" (13mm)]

Swing-Out Rack Frames

Swing-out rack frames allow mounting of EIA 19" rack mount equipment. Flexible pivoting framework provides access to back of equipment or other internal components. Designed for use with 24" wide Premier series enclosures. Mounting hardware included. Swing-out rack frame holes are untapped and require screws and cage nuts for equipment mounting (order separately). (**Note**: Cannot be used in conjunction with depth adjustment brackets).
Finish: ANSI Gray Polyester Powder

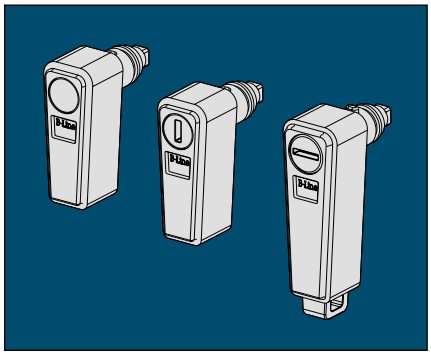


Catalog Number	For use with Premier Enclosures	Mounting Units
2424SF	24"x24"	11
3024SF	30"x24"	15
3624SF	36"x24"	18

Universal Spacing [(5/8" (16mm), 5/8" (16mm), 1/2" (13mm)]

Handles

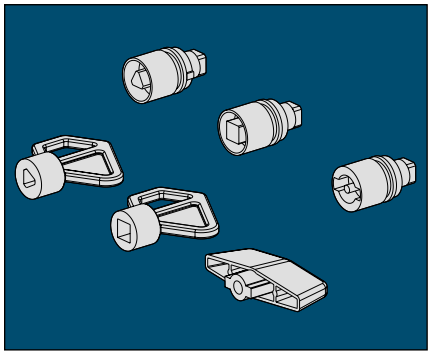
Padlockable, key-lockable or non-locking handles are interchangeable with standard slotted quarterturn flush latch on Premier series enclosures. Available keyed alike or keyed different.



Catalog Number	Description
WMHNL	Wall-mount handle, non-locking
WMHK	Wall-mount handle, key-locking
WMHPTO	Wall-mount handle, padlockable

Security Latch Inserts

Security latch inserts interchange with slotted quarterturn flush latch and provide security and control access to interior of enclosure. Inserts include matching key.



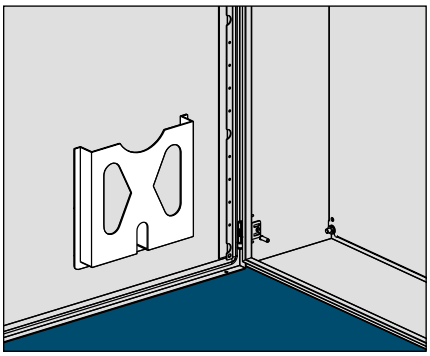
Catalog Number	Description
7MTLK	7mm triangular latch insert
7MSLK	7mm square latch insert
3MDBLK	3mm double bit latch insert

Premier Series

Accessories

Print Pockets

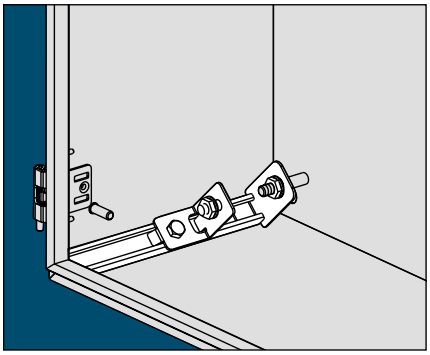
Print pockets provide a convenient place to store operation manuals, diagrams, or other documents inside the enclosure. Thermoplastic pockets are gray and have cut away areas for viewing contents. Pockets have adhesive backing for mounting inside on enclosure door.



Catalog Number	Length x Width
32170	6" x 6"
32171	10" x 10"

Depth Adjustment Brackets

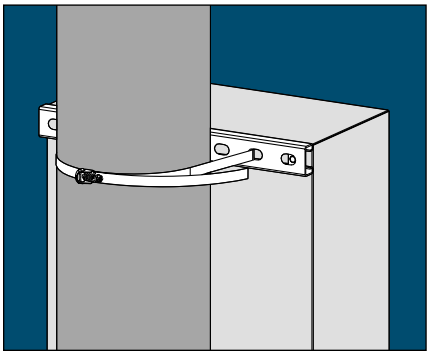
Depth adjustment brackets allow variable depth mounting of premier accessories. Designed for use with 6", 8" or 12" deep enclosures. Kit is available in quantities of 4 or 2 and includes mounting channel, adjustable mechanism and hardware. When enclosure has 6 collar studs, use two kits. (**Note**: Not for use with swing-out rack frame, dead front panel or swing-out panel). Finish: Zinc Plated



Catalog Number	Qty.	For use with Premier Enclosures
64AMK	4	6" depth or greater
84AMK	4	8" depth or greater
82AMK	2	8" depth or greater
124AMK	4	12" depth or greater
122AMK	2	12" depth or greater

Pole Mounting Kits

Pole mounting kits allow installation of enclosure on round or rectangular poles. Kit includes hot dip galvanized after fabrication strut channel, stainless steel band and hardware for top and bottom mounting of enclosure.



Catalog Number	For use with Premier Enclosures
12PMK	12" width
16PMK	16" width
20PMK	20" width
24PMK	24" width
30PMK	30" width

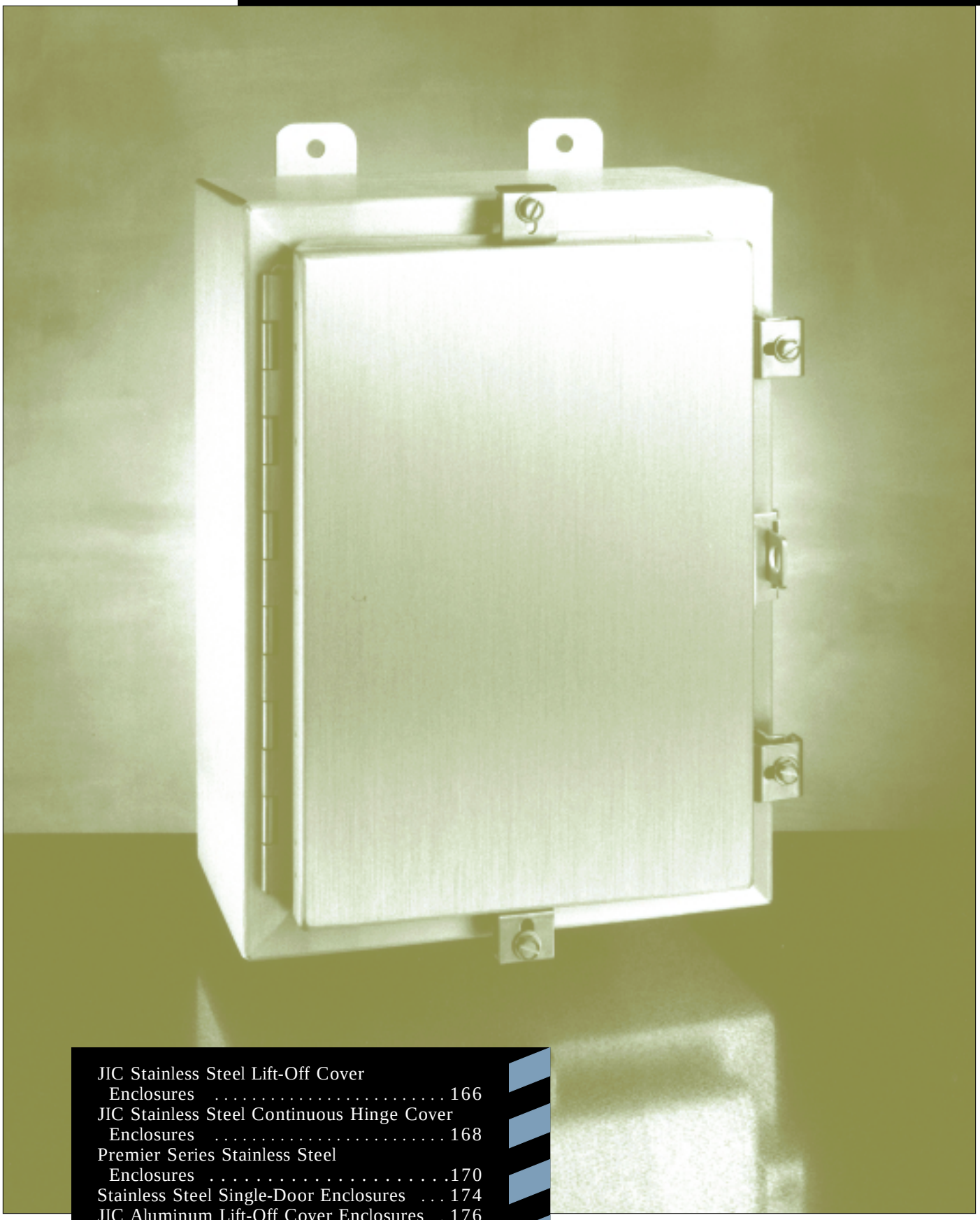
Hardware

Phillips head screws and cage nuts are available in #10-32, #12-24 or M6 and allow mounting of equipment to untapped holes in rack mounting angles and swing-out rack frame.

Catalog Number	Screw Type
E2-MA-1032-PHMS	#10-32 Phillips
E2-MA-1224-PHMS	#12-24 Phillips
E2-MA-M6-PHMS	M6 Phillips

Catalog Number	Cage Nut Type
E2-MA-CN-1032	#10-32 Tapped
E2-MA-CN-1224	#12-24 Tapped
E2-MA-CN-M6	M6 Tapped

Sold in bags of 100 pieces.



TYPE 4X ENCLOSURES

JIC Stainless Steel Lift-Off Cover Enclosures 166
JIC Stainless Steel Continuous Hinge Cover Enclosures 168
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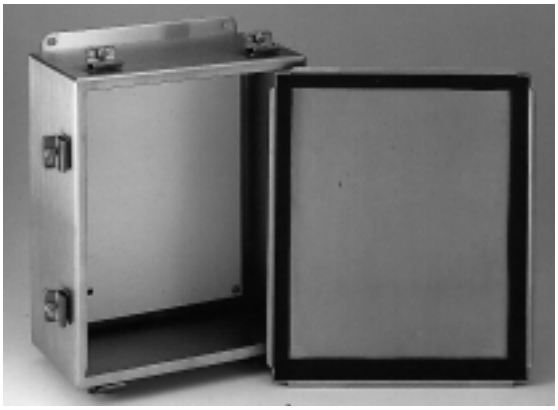
B-Line® SYSTEMS THAT MAKE SENSE ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 4X Stainless Steel JIC Lift-Off Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and cover are fabricated from (14) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Cover has a fixed, oil and water-resistant gasket
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

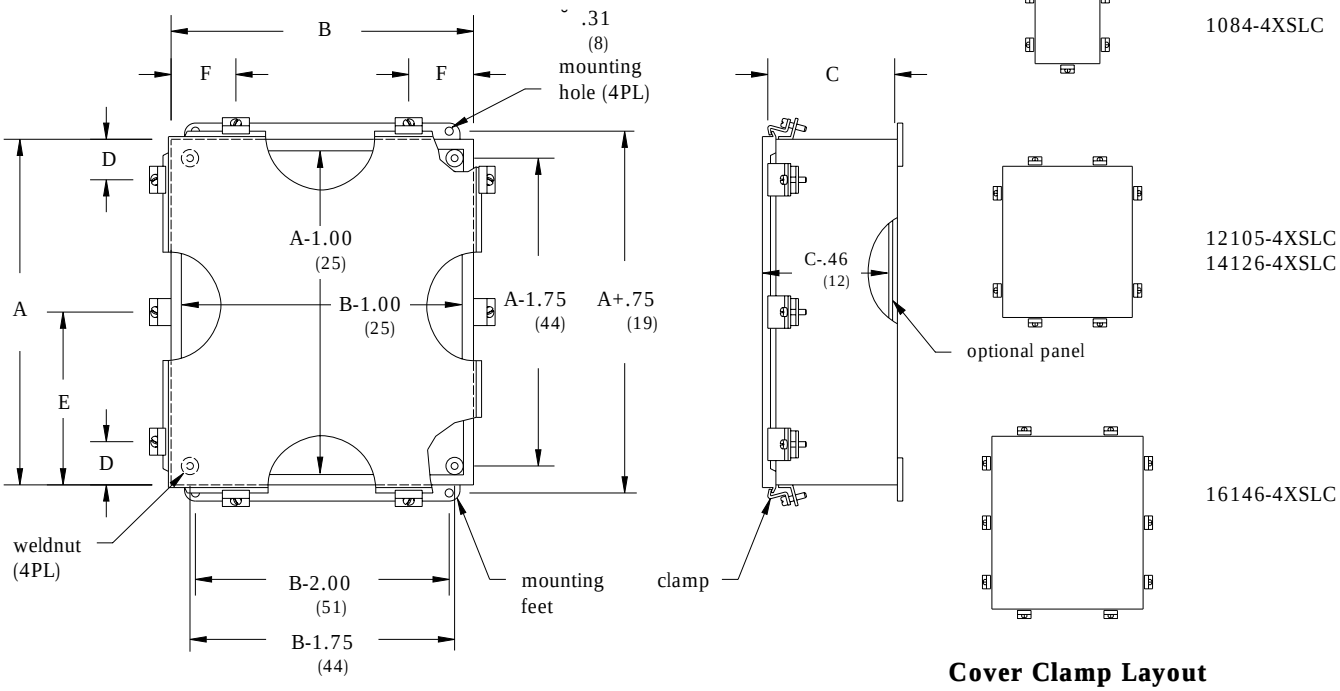
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel JIC Lift-Off Cover Enclosures

Catalog Number

Enclosure Catalog Number Stainless Steel Type 304	Enclosure Catalog Number Stainless Steel Type 316L	Enclosure Size Height Width Depth A x B x C in.	Enclosure Size Height Width Depth A x B x C mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Stainless	Panel Size Height x Width in.	Panel Size Height x Width mm
443-4XSLC	443-4XSS6LC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	-	-	-	-
643-4XSLC	643-4XSS6LC	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	AW64P	AW64SP	4.87x2.87	124x73
664-4XSLC	664-4XSS6LC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	AW66P	AW66SP	4.87x4.87	124x124
864-4XSLC	864-4XSS6LC	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	AW86P	AW86SP	6.87x4.87	174x124
884-4XSLC	884-4XSS6LC	8.00x8.00x4.00	203x203x102	4.00	102	-	-	4.00	102	AW88P	AW88SP	6.87x6.87	174x174
1084-4XSLC	1084-4XSS6LC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	AW108P	AW108SP	8.87x6.87	225x174
12105-4XSLC	12105-4XSS6LC	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	AW1210P	AW1210SP	10.87x8.87	276x225
14126-4XSLC	14126-4XSS6LC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	AW1412P	AW1412SP	12.87x10.87	327x276
16146-4XSLC	16146-4XSS6LC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	38	AW1614P	AW1614SP	14.87x12.87	378x327

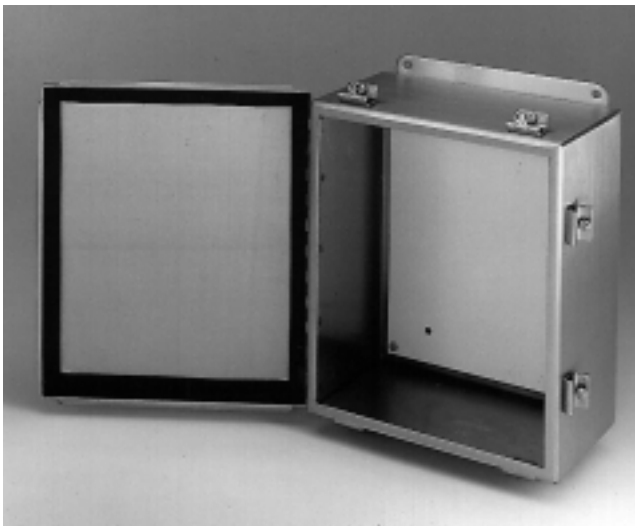


Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel JIC Continuous Hinge Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and cover are fabricated from (14) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a stainless steel continuous hinge and pin on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Cover has a fixed, oil and water-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

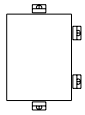
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel JIC Continuous Hinge Cover Enclosures

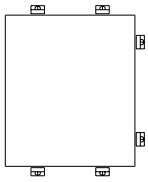
Catalog Number

Enclosure Catalog Number Stainless Steel Type 304	Enclosure Catalog Number Stainless Steel Type 316L	Enclosure Size Height Width Depth A x B x C in.	Enclosure Size Height Width Depth A x B x C mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Stainless	Panel Size Height x Width in.	Panel Size Height x Width mm
644-4XSCHC	644-4XSS6CHC	6.00x4.00x4.00	152x102x102	3.00	76	-	-	2.00	51	AW64P	AW64SP	4.87x2.87	124x73
664-4XSCHC	664-4XSS6CHC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	AW66P	AW66SP	4.87x4.87	124x124
864-4XSCHC	864-4XSS6CHC	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	AW86P	AW86SP	6.87x4.87	174x124
884-4XSCHC	884-4XSS6CHC	8.00x8.00x4.00	203x203x102	4.00	102	-	-	4.00	102	AW88P	AW88SP	6.87x6.87	174x174
1084-4XSCHC	1084-4XSS6CHC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	AW108P	AW108SP	8.87x6.87	225x174
12106-4XSCHC	12106-4XSS6CHC	12.00x10.00x6.00	305x254x152	3.00	76	-	-	2.00	51	AW1210P	AW1210SP	10.87x8.87	276x225
12126-4XSCHC	12126-4XSS6CHC	12.00x12.00x6.00	305x305x152	3.00	76	-	-	3.00	76	AW1212P	AW1212SP	10.87x10.87	276x276
14126-4XSCHC	14126-4XSS6CHC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	AW1412P	AW1412SP	12.87x10.87	327x276
16146-4XSCHC	16146-4XSS6CHC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	AW1614P	AW1614SP	14.87x12.87	376x327

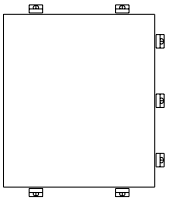
644-4XSCHC
664-4XSCHC
864-4XSCHC
884-4XSCHC



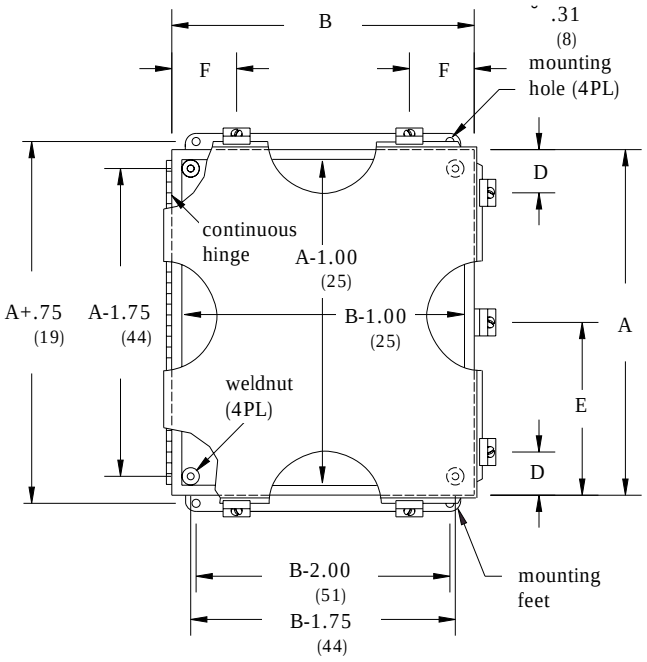
1084-4XSCHC

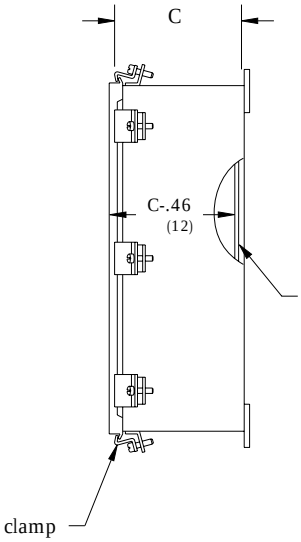


12106-4XSCHC
12126-4XSCHC
14126-4XSCHC



16146-4XSCHC





Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series Stainless Steel Type 4X Single-Door Wall-Mount Enclosures

Data Sheet

Application

- Houses electrical controls and instruments in a contemporary streamlined design
- Premier series Type 4X stainless steel enclosures offer increased flexibility and improved features suitable for any high-tech or standard installation requiring corrosion-resistance protection
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, circulating and windblown dust, falling dirt, dripping noncorrosive liquids, rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 4X, Type 4 and Type 12
- cUL Listed, Type 4X, Type 4 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4 and 12
- IEC 529, IP66

Construction

- Enclosure and door are fabricated from code gauge Type 304 or Type 316L stainless steel (see table)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting and sealing washers for body mounting holes

Body Construction

- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting

Door Construction

- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarterturn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door has a fixed, oil and water-resistant, seamless foam in-place gasket
- Door opens 170° for easy access
- Utility rail provides grounding, rigidity and wire management
- Door stiffeners are provided on larger enclosures for added rigidity
- Window-door enclosures feature flush-mounted clear polycarbonate window

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels
- **See Premier Accessories pages, 160-164**

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

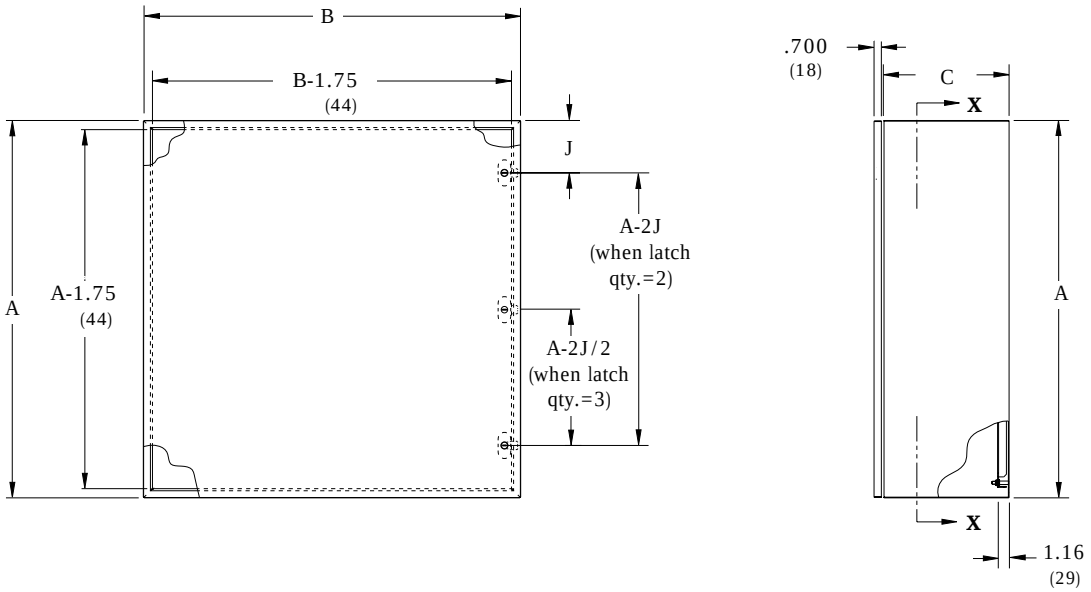
Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures

Catalog Number

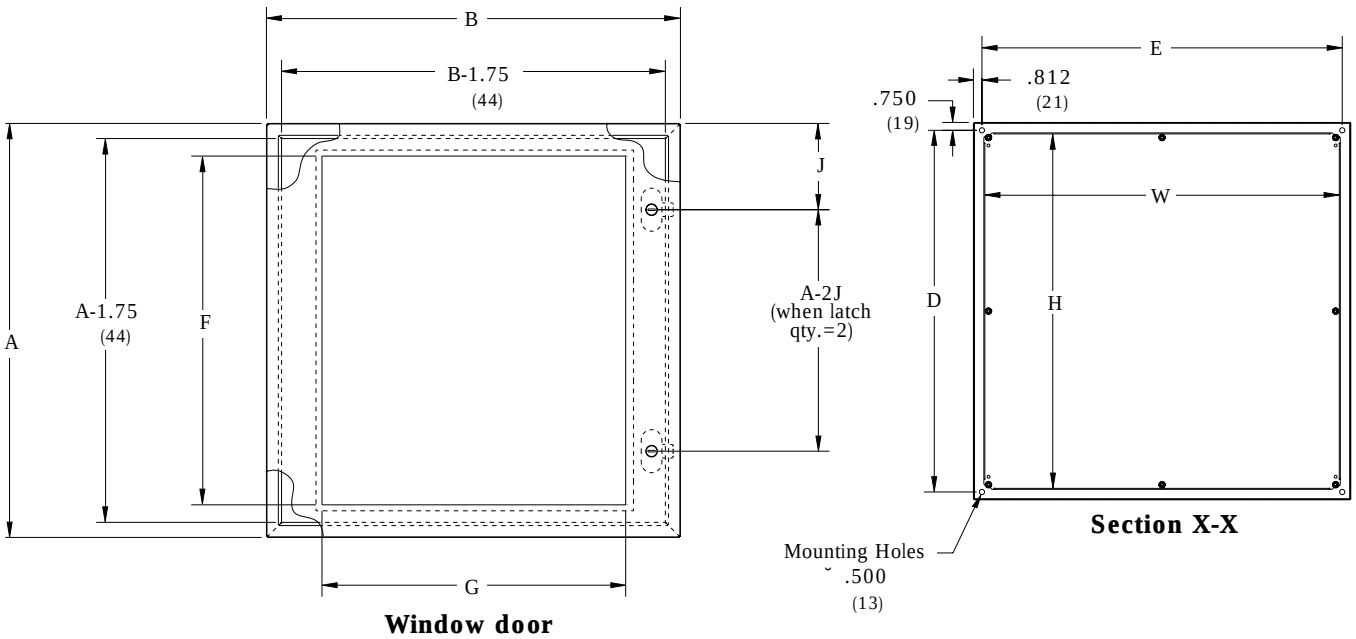
Enclosure Catalog Number		Enclosure Size		Door/Body Gauge	Panel	Panel Size		Mounting		Window Size		Latch Qty.	J	
Solid Door	Window Door	A x B x C in.	A x B x C mm		Catalog Number	H x W in.	H x W mm	D x E in.	D x E mm	F x G in.	F x G mm		in.	mm
1084-SDSS4	-	10x8x4	254x203x102	-	108P	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
1086-SDSS4	-	10x8x6	254x203x152	-	108P	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
12106-SDSS4	-	12x10x6	305x254x152	-	1210P	10.00x8.00	254x203	10.50x8.37	267x213	-	-	1	6.00	152
12126-SDSS4	12126-SDWSS4	12x12x6	305x305x152	16/16	1212P	10.00x10.00	254x254	10.50x10.37	267x264	8.25x7.00	210x178	1	6.00	152
16126-SDSS4	16126-SDWSS4	16x12x6	406x305x152	16/16	1612P	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
16166-SDSS4	-	16x16x6	406x406x152	16/16	1616P	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
20166-SDSS4	20166-SDWSS4	20x16x6	508x406x152	16/16	2016P	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20206-SDSS4	20206-SDWSS4	20x20x6	508x508x152	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
16128-SDSS4	-	16x12x8	406x305x203	16/16	1612P	14.00x10.00	356x254	14.50x10.37	368x264	-	-	1	8.00	203
16168-SDSS4	-	16x16x8	406x406x203	16/16	1616P	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
16208-SDSS4	-	16x20x8	406x508x203	16/16	2016P	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
20168-SDSS4	20168-SDWSS4	20x16x8	508x406x203	16/16	2016P	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20208-SDSS4	20208-SDWSS4	20x20x8	508x508x203	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.0	254
24168-SDSS4	-	24x16x8	610x406x203	16/16	2416P	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
24208-SDSS4	24208-SDWSS4	24x20x8	610x508x203	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
24248-SDSS4	24248-SDWSS4	24x24x8	610x610x203	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127
30248-SDSS4	30248-SDWSS4	30x24x8	762x610x203	14/16	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
30308-SDSS4	-	30x30x8	762x762x203	14/14	3030P	28.00x28.00	711x711	28.50x28.37	724x721	-	-	2	5.00	127
36248-SDSS4	-	36x24x8	914x610x203	14/16	3624P	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
36308-SDSS4	-	36x30x8	914x762x203	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
202012-SDSS4	202012-SDWSS4	20x20x12	508x508x305	14/14	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
242412-SDSS4	-	24x24x12	610x610x305	14/14	2424P	22.00x22.00	559x559	22.50x22.37	572x568	-	-	2	5.00	127
302412-SDSS4	302412-SDWSS4	30x24x12	762x610x305	14/14	3024P	28.00x22.00	711x559	28.50x22.37	724x568	26.25x17.62	667x448	2	5.00	127
362412-SDSS4	-	36x24x12	914x610x305	14/14	3624P	34.00x22.00	864x559	34.50x22.37	876x568	-	-	2	5.00	127
363012-SDSS4	-	36x30x12	914x762x305	14/14	3630P	34.00x28.00	864x711	34.50x28.37	876x721	-	-	2	5.00	127
363612-SDSS4	-	36x36x12	914x914x305	14/14	3636P	34.00x34.00	864x864	34.50x34.37	876x873	-	-	2	5.00	127
423612-SDSS4	-	42x36x12	1067x914x305	14/14	4236P	40.00x34.00	1016x864	40.50x34.37	1029x873	-	-	3	5.00	127
483612-SDSS4	-	48x36x12	1219x914x305	14/14	4836P	46.00x34.00	1168x864	46.50x34.37	1181x873	-	-	3	5.00	127
603612-SDSS4	-	60x36x12	1524x914x305	14/14	6036P	58.00x34.00	1473x864	58.50x34.37	1486x873	-	-	3	5.00	127

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures



Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures



Window door

Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier Series Stainless Steel
Type 4X Single-Door Wall-Mount Enclosures

Catalog Number

Enclosure Catalog Number Type 316L Stainless Steel Solid Door	Enclosure Size A x B x C in.	 mm	Door/Body Gauge	Panel Catalog Number	Panel Size H x W in.	 mm	Mounting D x E in.	 mm	Latch Qty.	J in.	 mm
1084-SDSS6	10x8x4	254x203x102	-	**108P**	8.00x6.00	203x152	8.50x6.37	216x162	1	5.00	127
1086-SDSS6	10x8x6	254x203x152	-	**108P**	8.00x6.00	203x152	8.50x6.37	216x162	1	5.00	127
12106-SDSS6	12x10x6	305x254x152	-	**1210P**	10.00x8.00	254x203	10.50x8.37	267x213	1	6.00	152
12126-SDSS6	12x12x6	305x305x152	16/16	**1212P**	10.00x10.00	254x254	10.50x10.37	267x264	1	6.00	152
16126-SDSS6	16x12x6	406x305x152	16/16	**1612P**	14.00x10.00	356x254	14.50x10.37	368x264	1	8.00	203
16166-SDSS6	16x16x6	406x406x152	16/16	**1616P**	14.00x14.00	356x356	14.50x14.37	368x365	1	8.00	203
20166-SDSS6	20x16x6	508x406x152	16/16	**2016P**	18.00x14.00	457x356	18.50x14.37	470x365	1	10.00	254
20206-SDSS6	20x20x6	508x508x152	16/16	**2020P**	18.00x18.00	457x457	18.50x18.37	470x467	1	10.00	254
16128-SDSS6	16x12x8	406x305x203	16/16	**1612P**	14.00x10.00	356x254	14.50x10.37	368x264	1	8.00	203
16168-SDSS6	16x16x8	406x406x203	16/16	**1616P**	14.00x14.00	356x356	14.50x14.37	368x365	1	8.00	203
16208-SDSS6	16x20x8	406x508x203	16/16	**2016P**	14.00x18.00	356x457	14.50x18.37	368x467	1	8.00	203
20168-SDSS6	20x16x8	508x406x203	16/16	**2016P**	18.00x14.00	457x356	18.50x14.37	470x365	1	10.00	254
20208-SDSS6	20x20x8	508x508x203	16/16	**2020P**	18.00x18.00	457x457	18.50x18.37	470x467	1	10.00	254
24168-SDSS6	24x16x8	610x406x203	16/16	**2416P**	22.00x14.00	559x356	22.50x14.37	572x365	1	5.00	127
24208-SDSS6	24x20x8	610x508x203	16/16	**2420P**	22.00x18.00	559x457	22.50x18.37	572x467	1	5.00	127
24248-SDSS6	24x24x8	610x610x203	14/16	**2424P**	22.00x22.00	559x559	22.50x22.37	572x568	2	5.00	127
30248-SDSS6	30x24x8	762x610x203	14/16	**3024P**	28.00x22.00	711x559	28.50x22.37	724x568	2	5.00	127
30308-SDSS6	30x30x8	762x762x203	14/14	**3030P**	28.00x28.00	711x711	28.50x28.37	724x721	2	5.00	127
36248-SDSS6	36x24x8	914x610x203	14/16	**3624P**	34.00x22.00	864x559	34.50x22.37	876x568	2	5.00	127
36308-SDSS6	36x30x8	914x762x203	14/14	**3630P**	34.00x28.00	864x711	34.50x28.37	876x721	2	5.00	127
202012-SDSS6	20x20x12	508x508x305	14/14	**2020P**	18.00x18.00	457x457	18.50x18.37	470x467	1	10.00	254
242412-SDSS6	24x24x12	610x610x305	14/14	**2424P**	22.00x22.00	559x559	22.50x22.37	572x568	2	5.00	127
302412-SDSS6	30x24x12	762x610x305	14/14	**3024P**	28.00x22.00	711x559	28.50x22.37	724x568	2	5.00	127
362412-SDSS6	36x24x12	914x610x305	14/14	**3624P**	34.00x22.00	864x559	34.50x22.37	876x568	2	5.00	127
363012-SDSS6	36x30x12	914x762x305	14/14	**3630P**	34.00x28.00	864x711	34.50x28.37	876x721	2	5.00	127
363612-SDSS6	36x36x12	914x914x305	14/14	**3636P**	34.00x34.00	864x864	34.50x34.37	876x873	2	5.00	127
423612-SDSS6	42x36x12	1067x914x305	14/14	**4236P**	40.00x34.00	1016x864	40.50x34.37	1029x873	3	5.00	127
483612-SDSS6	48x36x12	1219x914x305	14/14	**4836P**	46.00x34.00	1168x559	46.50x34.37	1181x873	3	5.00	127
603612-SDSS6	60x36x12	1524x914x305	14/14	**6036P**	58.00x34.00	1473x559	58.50x34.37	1486x873	3	5.00	127

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel Single-Door Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

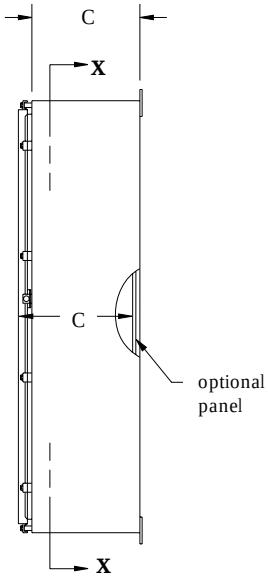
- Enclosure and door are fabricated from (14) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, stainless steel continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil and water-resistant gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

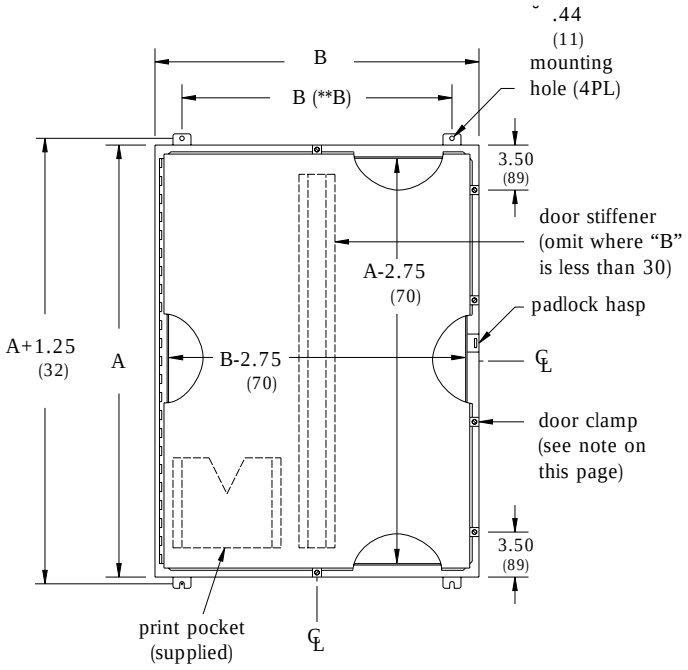
Finish

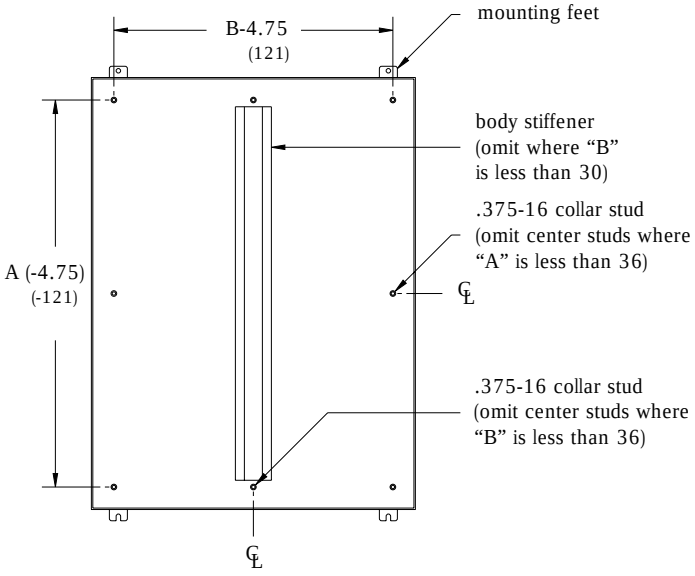
- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section







Section X-X

Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.
B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel Single-Door Enclosures

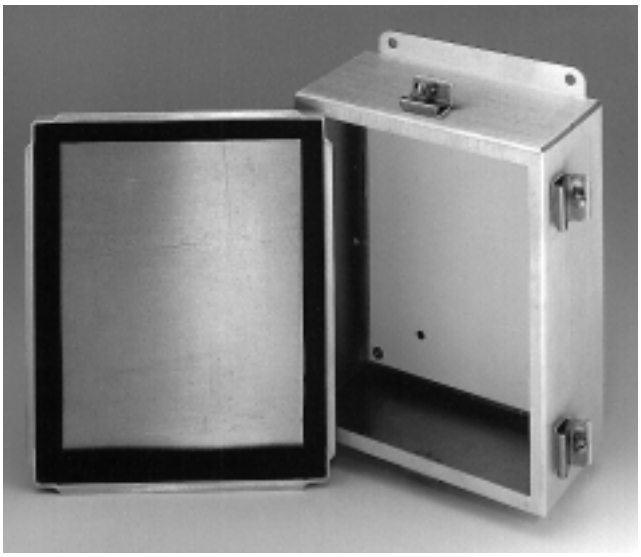
Catalog Number

Enclosure Catalog Number Stainless Steel		Enclosure Size Height Width Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm	Steel	Stainless	in.	mm
16126-4XS	16126-4XSS6	16.00x12.00x6.00	406x305x152	AW1612P	AW1612SP	13.00x9.00	330x229
16166-4XS	16166-4XSS6	16.00x16.00x6.00	406x406x152	AW1616P	AW1616SP	13.00x13.00	330x330
16206-4XS	16206-4XSS6	16.00x20.00x6.00	406x508x152	AW2016P	AW2016SP	17.00x13.00	432x330
20166-4XS	20166-4XSS6	20.00x16.00x6.00	208x406x152	AW2016P	AW2016SP	17.00x13.00	432x330
20206-4XS	20206-4XSS6	20.00x20.00x6.00	508x508x152	AW2020P	AW2020SP	17.00x17.00	432x432
24126-4XS	24126-4XSS6	24.00x12.00x6.00	610x305x152	AW2412P	AW2412SP	21.00x9.00	533x229
24166-4XS	24166-4XSS6	24.00x16.00x6.00	610x406x152	AW2416P	AW2416SP	21.00x13.00	533x330
24206-4XS	24206-4XSS6	24.00x20.00x6.00	610x508x152	AW2420P	AW2420SP	20.87x16.87	530x428
24246-4XS	24246-4XSS6	24.00x24.00x6.00	610x610x152	AW2424P	AW2424SP	20.87x20.87	530x530
30206-4XS	30206-4XSS6	30.00x20.00x6.00	762x610x152	AW3020P	AW3020SP	26.87x16.87	682x428
30246-4XS	30246-4XSS6	30.00x24.00x6.00	762x610x152	AW3024P	AW3024SP	26.87x20.87	682x530
36246-4XS	36246-4XSS6	36.00x24.00x6.00	914x610x152	AW3624P	AW3524SP	32.87x20.87	835x530
16128-4XS	16128-4XSS6	16.00x12.00x8.00	406x305x203	AW1612P	AW1612SP	13.00x9.00	330x229
20168-4XS	20168-4XSS6	20.00x16.00x8.00	508x406x203	AW2016P	AW2016SP	17.00x13.00	432x330
20208-4XS	20208-4XSS6	20.00x20.00x8.00	508x508x203	AW2020P	AW2020SP	17.00x17.00	432x432
20248-4XS	20248-4XSS6	20.00x24.00x8.00	508x610x203	AW2420P	AW2420SP	32.87x26.87	835x682
24168-4XS	24168-4XSS6	24.00x16.00x8.00	610x406x203	AW2416P	AW2416SP	21.00x13.00	533x330
24208-4XS	24208-4XSS6	24.00x20.00x8.00	610x508x203	AW2420P	AW2420SP	20.87x16.87	530x428
24248-4XS	24248-4XSS6	24.00x24.00x8.00	610x610x203	AW2424P	AW2424SP	20.87x20.87	530x530
24308-4XS	24308-4XSS6	24.00x30.00x8.00	610x762x203	AW3024P	AW3024SP	26.87x20.87	682x530
30208-4XS	30208-4XSS6	30.00x20.00x8.00	762x508x203	AW3020P	AW3020SP	26.87x16.87	682x428
30248-4XS	30248-4XSS6	30.00x24.00x8.00	762x610x203	AW3024P	AW3024SP	26.87x20.87	682x530
30308-4XS	30308-4XSS6	30.00x30.00x8.00	762x762x203	AW3030P	AW3030SP	26.87x26.87	682x682
36248-4XS	36248-4XSS6	36.00x24.00x8.00	914x610x203	AW3624P	AW3624SP	32.87x20.87	835x530
36308-4XS	36308-4XSS6	36.00x30.00x8.00	914x762x203	AW3630P	AW3630SP	32.87x26.87	835x682
42308-4XS	42308-4XSS6	42.00x30.00x8.00	1067x762x203	AW4230P	AW4230SP	38.87x26.87	987x682
42368-4XS	42368-4XSS6	42.00x36.00x8.00	1067x914x203	AW4236P	AW4236SP	38.87x32.87	987x835
48368-4XS	48368-4XSS6	48.00x36.00x8.00	1219x914x203	AW4836P	AW4836SP	44.87x32.87	1140x835
201610-4XS	201610-4XSS6	20.00x16.00x10.00	508x406x254	AW2016P	AW2016SP	17.00x13.00	432x330
242010-4XS	242010-4XSS6	24.00x20.00x10.00	610x508x254	AW2420P	AW2420SP	20.87x16.87	530x428
302410-4XS	302410-4XSS6	30.00x24.00x10.00	762x610x254	AW3024P	AW3024SP	26.87X20.87	682x530
362410-4XS	362410-4XSS6	36.00x24.00x10.00	914x610x254	AW3624P	AW3624SP	32.87x20.87	835x530
363010-4XS	363010-4XSS6	36.00x30.00x10.00	914x762x254	AW3630P	AW3630SP	32.87x26.87	835x682
423010-4XS	423010-4XSS6	42.00x30.00x10.00	1067x762x254	AW4230P	AW4230SP	38.87x26.87	987x682
483010-4XS	483010-4XSS6	48.00x30.00x10.00	1219x762x254	AW4830P	AW4830SP	44.87X26.87	1140x682
483610-4XS	483610-4XSS6	48.00x36.00x10.00	1219x914x254	AW4836P	AW4836SP	44.87X32.87	1140x835
603610-4XS	603610-4XSS6	60.00x36.00x10.00	1524x914x254	AW6036P	AW6036SP	56.87X32.87	1444x835
242412-4XS	242412-4XSS6	24.00x24.00x12.00	610x610x305	AW2424P	AW2424SP	20.87x20.87	530x530
302412-4XS	302412-4XSS6	30.00x24.00x12.00	762x610x305	AW3024P	AW3024SP	26.87x20.87	682x530
363012-4XS	363012-4XSS6	36.00x30.00x12.00	914x762x305	AW3630P	AW3630SP	32.87x26.87	835x682
363612-4XS	363612-4XSS6	36.00x36.00x12.00	914x914x305	AW3636P	AW3636SP	32.87X32.87	835x835
483612-4XS	483612-4XSS6	48.00x36.00x12.00	1219x914x305	AW4836P	AW4836SP	44.87x32.87	1140x835
603612-4XS	603612-4XSS6	60.00x36.00x12.00	1524x914x305	AW6036P	AW6036SP	56.87x32.87	1444x835
302416-4XS	302416-4XSS6	30.00x24.00x16.00	762x610x406	AW3024P	AW3024SP	26.87X20.87	682x530
362416-4XS	362416-4XSS6	36.00x24.00x16.00	914x610x406	AW3624P	AW3624SP	32.87x20.87	835x530
363016-4XS	363016-4XSS6	36.00x30.00x16.00	914x762x406	AW3630P	AW3630SP	32.87x26.87	835x682
483616-4XS	483616-4XSS6	48.00x36.00x16.00	1219x914x406	AW4836P	AW4836SP	44.87x32.87	1140x835
603616-4XS	603616-4XSS6	60.00x36.00x16.00	1524x914x406	AW6036P	AW6036SP	56.87X32.87	1444x835

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Aluminum JIC Lift-Off Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and cover are fabricated from (12) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Each door has a print pocket and padlock hasp with sealing hole provision
- Cover has a fixed, oil and water-resistant gasket
- #10-32 weldnuts are provided for mounting optional panel on 6H x 4W and larger enclosures
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

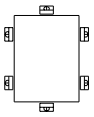
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Aluminum JIC Lift-Off Cover Enclosures

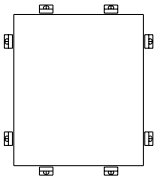
Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Aluminum	Panel Size Height x Width in.	Panel Size mm
443-4XALC	4.00x4.00x3.00	102x102x76	2.00	51	-	-	2.00	51	**-**	**-**	-	-
643-4XALC	6.00x4.00x3.00	152x102x76	3.00	76	-	-	2.00	51	**AW64P**	**AW64AP**	4.87x2.87	124x73
664-4XALC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	**AW66AP**	4.87x4.87	124x124
864-4XALC	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	**AW86P**	**AW86AP**	6.87x4.87	174x124
884-4XALC	8.00x8.00x4.00	203x203x102	4.00	102	-	-	4.00	102	**AW88P**	**AW88AP**	6.87x6.87	174x174
1084-4XALC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	**AW108AP**	8.87x6.87	225x174
12105-4XALC	12.00x10.00x5.00	305x254x127	3.00	76	-	-	2.00	51	**AW1210P**	**AW1210AP**	10.87x8.87	276x225
14126-4XALC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	**AW1412AP**	12.87x10.87	327x276
16146-4XALC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	**AW1614AP**	14.87x12.87	378x327

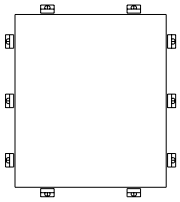
443-4XALC
643-4XALC
664-4XALC
864-4XALC
884-4XALC



1084-4XALC



12105-4XALC
14126-4XALC



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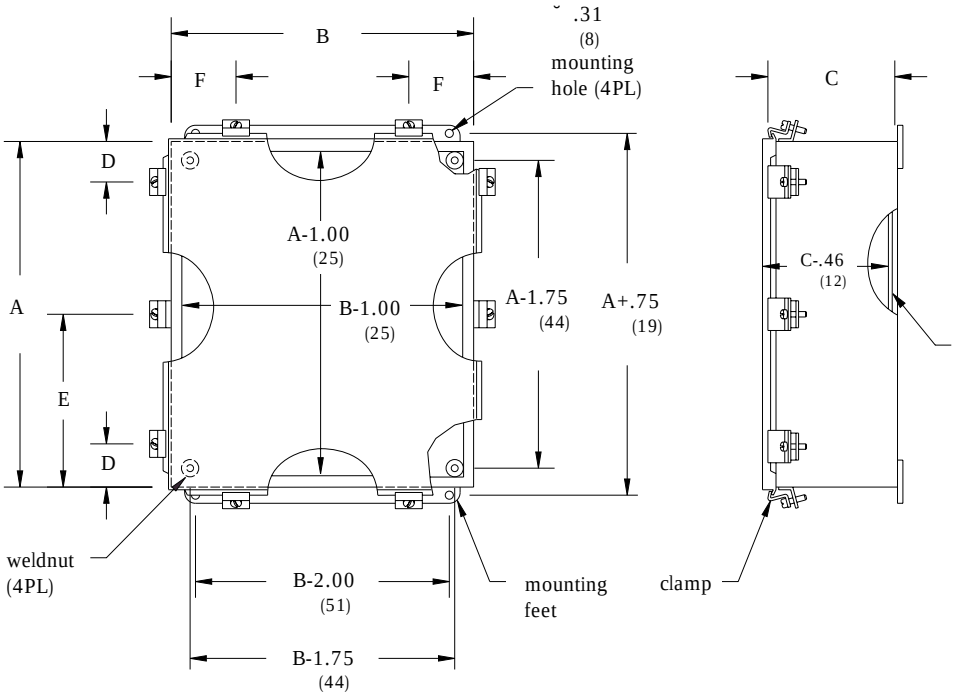
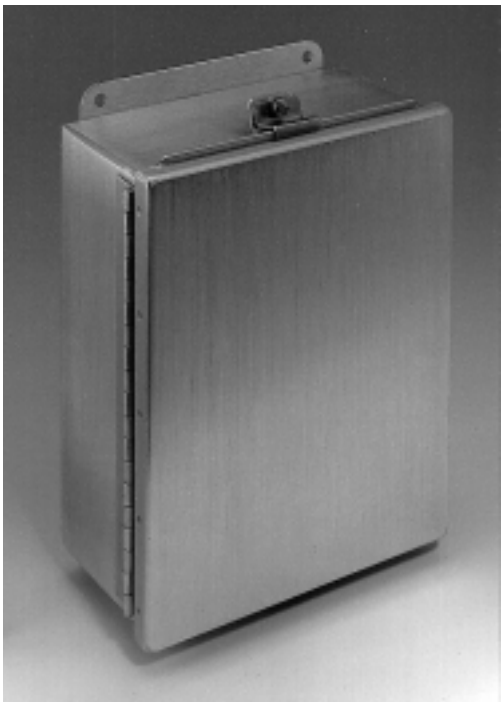


Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Aluminum JIC Continuous Hinge Cover Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and cover are fabricated from (12) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Cover is secured to the body with an aluminum continuous hinge and pin on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Cover has a fixed, oil and water-resistant gasket
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

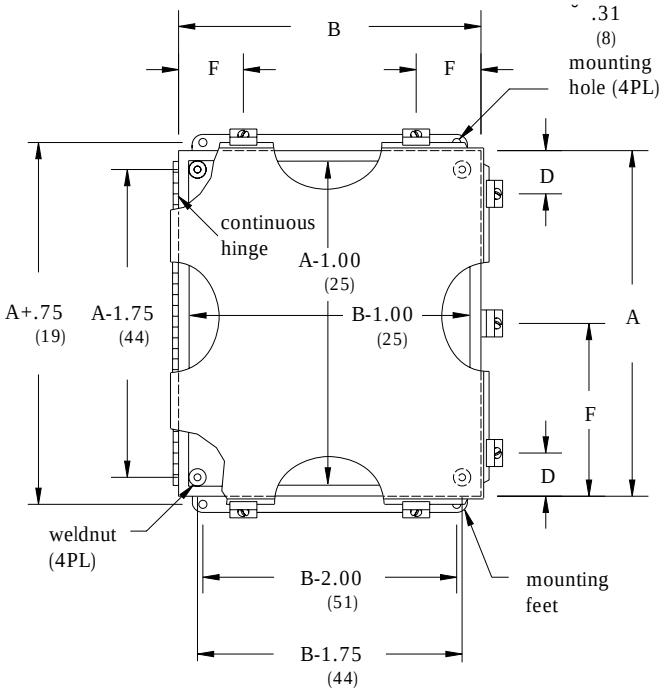
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

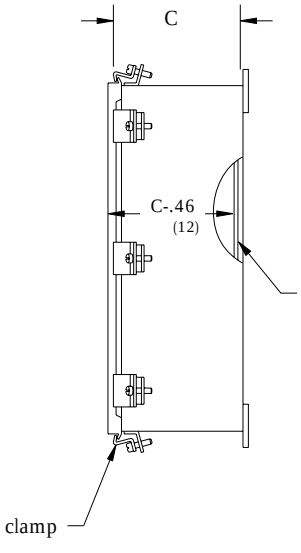
Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

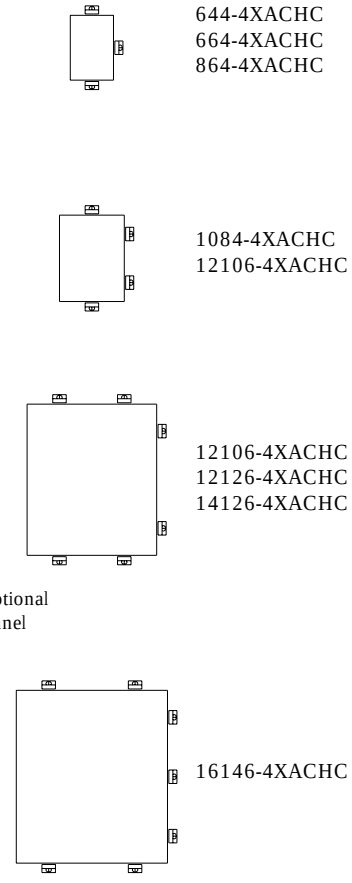
Type 4X Aluminum JIC Continuous Hinge Cover Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm	Panel Catalog Number Steel	Panel Catalog Number Aluminum	Panel Size Height x Width in.	Panel Size mm
644-4XACHC	6.00x4.00x4.00	152x102x102	3.00	76	-	-	2.00	51	**AW64P**	**AW64AP**	4.87x2.87	124x73
664-4XACHC	6.00x6.00x4.00	152x152x102	3.00	76	-	-	3.00	76	**AW66P**	**AW66AP**	4.87x4.87	124x124
864-4XACHC	8.00x6.00x4.00	203x152x102	4.00	102	-	-	3.00	76	**AW86P**	**AW86AP**	6.87x4.87	174x124
1084-4XACHC	10.00x8.00x4.00	254x203x102	2.00	51	-	-	4.00	102	**AW108P**	**AW108AP**	8.87x6.87	225x174
12106-4XACHC	12.00x10.00x6.00	305x254x152	3.00	76	-	-	2.00	51	**AW1210P**	**AW1210AP**	10.87x8.87	276x225
12126-4XACHC	12.00x12.00x6.00	305x305x152	3.00	76	-	-	3.00	76	**AW1212P**	**AW1212AP**	10.87x10.87	276x276
14126-4XACHC	14.00x12.00x6.00	356x305x152	3.00	76	-	-	3.00	76	**AW1412P**	**AW1412AP**	12.87x10.87	327x276
16146-4XACHC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	**AW1614P**	**AW1614AP**	14.87x12.87	378x327





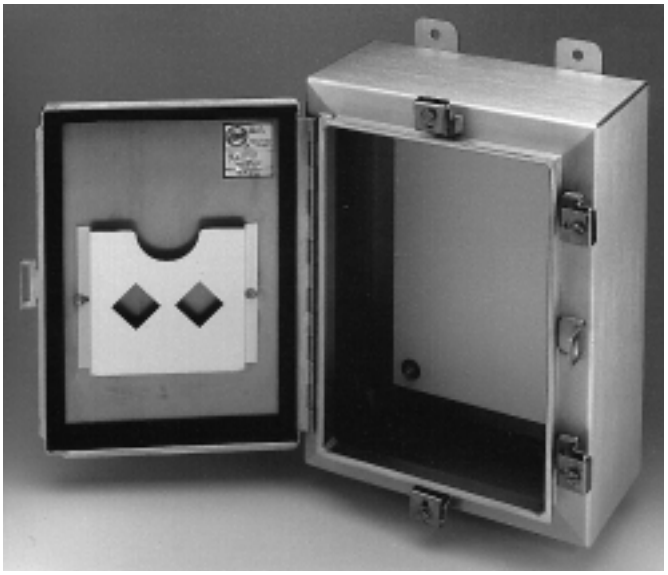


Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Aluminum Single-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Construction

- Enclosure and door are fabricated from (12) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, aluminum continuous hinge and pin on one side and easy-to-operate stainless steel door clamps mounted to the other three sides
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil and water-resistant gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section

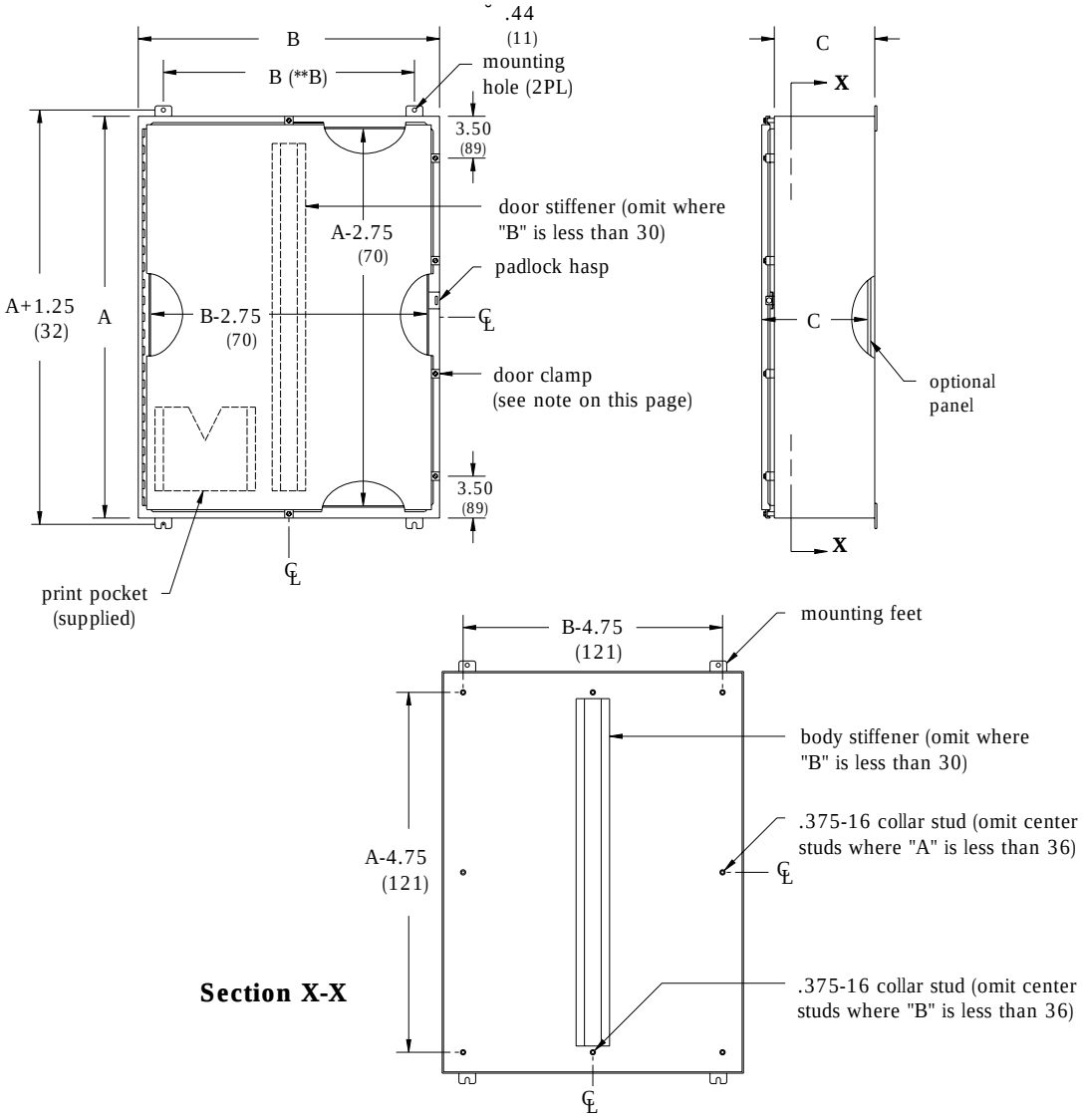
Enclosure	Enclosure Size Height Width Depth A x B x C		Panel Catalog Number		Panel Size	
Catalog Number	in.	mm	Steel	Aluminum	Height x Width in.	mm
16126-4XA	16.00x12.00x6.00	406x305x152	AW1612P	AW1612AP	13.00x9.00	330x229
16166-4XA	16.00x16.00x6.00	406x406x152	AW1616P	AW1612AP	13.00x13.00	330x330
20166-4XA	20.00x16.00x6.00	508x406x152	AW2016P	AW2016AP	17.00x13.00	432x330
20206-4XA	20.00x20.00x6.00	508x508x152	AW2020P	AW2020AP	17.00x17.00	432x432
24206-4XA	24.00x20.00x6.00	610x508x152	AW2420P	AW2420AP	20.87x16.87	530x428
16128-4XA	16.00x12.00x8.00	406x305x203	AW1612P	AW1612AP	13.00x9.00	330x229
20168-4XA	20.00x16.00x8.00	508x406x203	AW2016P	AW2016AP	17.00x13.00	432x330
24168-4XA	24.00x16.00x8.00	610x406x203	AW2416P	AW2416AP	21.00x13.00	533x330
24208-4XA	24.00x20.00x8.00	610x508x203	AW2420P	AW2420AP	20.87x16.87	530x428
24248-4XA	24.00x24.00x8.00	610x610x203	AW2424P	AW2424AP	20.87x20.87	530x530
24308-4XA	24.00x30.00x8.00	610x762x203	AW3024P	AW3024AP	26.87x20.87	682x530
30208-4XA	30.00x20.00x8.00	762x508x203	AW3020P	AW3020AP	26.87x16.87	682x428
30248-4XA	30.00x24.00x8.00	762x610x203	AW3024P	AW3024AP	26.87x20.87	682x530
30308-4XA	30.00x30.00x8.00	762x762x203	AW3030P	AW3030AP	26.87x26.87	682x682
36248-4XA	36.00x24.00x8.00	914x610x203	AW3624P	AW3624AP	32.87x20.87	835x530
36308-4XA	36.00x30.00x8.00	914x762x203	AW3630P	AW3630AP	32.87x26.87	835x682
42368-4XA	42.00x36.00x8.00	1067x914x203	AW4236P	AW4236AP	38.87x32.87	987x835
48368-4XA	48.00x36.00x8.00	1219x914x203	AW4836P	AW4836AP	44.87x32.87	1140x835

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Aluminum Single-Door Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Catalog Number Steel	Aluminum	Panel Size Height x Width in.	mm
201610-4XA	20.00x16.00x10.00	508x406x254	AW2016P	AW2016AP	17.00x13.00	432x330
242010-4XA	24.00x20.00x10.00	610x508x254	AW2420P	AW2420AP	20.87x16.87	530x428
362410-4XA	36.00x24.00x10.00	914x610x254	AW3624P	AW3624AP	32.87x20.87	835x530
363010-4XA	36.00x30.00x10.00	914x762x254	AW3630P	AW3630AP	32.87x26.87	835x682
423010-4XA	42.00x30.00x10.00	1067x762x254	AW4230P	AW4230AP	38.87x26.87	987x682
242412-4XA	24.00x24.00x12.00	610x610x305	AW2424P	AW2424AP	20.87x20.87	530x530
302412-4XA	30.00x24.00x12.00	762x610x305	AW3024P	AW3024AP	26.87x20.87	682x530
363012-4XA	36.00x30.00x12.00	914x762x305	AW3630P	AW3630AP	32.87x26.87	835x682
483612-4XA	48.00x36.00x12.00	1219x914x305	AW4836P	AW4836AP	44.87x32.87	1140x835
603612-4XA	60.00x36.00x12.00	1524x914x305	AW6036P	AW6036AP	56.87x32.87	1444x835
362416-4XA	36.00x24.00x16.00	914x610x406	AW3624P	AW3624AP	32.87x20.87	835x530
363016-4XA	36.00x30.00x16.00	914x762x406	AW3630P	AW3630AP	32.87x26.87	835x682
483616-4XA	48.00x36.00x16.00	1219x914x406	AW4836P	AW4836AP	44.87x32.87	1140x835

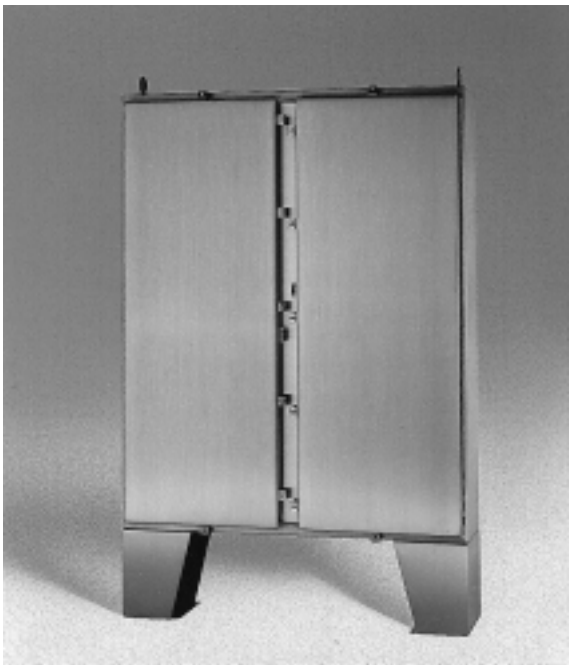


Section X-X

Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.
Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Stainless Steel Double-Door Floor-Standing Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and door are fabricated from (12) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty, stainless steel continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a fixed, oil and water-resistant gasket
- Ground stud provided on door
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- Leg stabilizer kit
- See Accessories section

Enclosure Catalog Number Stainless Steel		Enclosure Size Height Width Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm	Steel	Stainless	in.	mm
624810-4XSFD	624810-4XSS6FD	62.00x48.00x10.00	1575x1219x254	AW6048P	AW6048SP	55.87x43.87	1419x1114
624812-4XSFD	624812-4XSS6FD	62.00x48.00x12.00	1575x1219x305	AW6048P	AW6048SP	55.87x43.87	1419x1114
626012-4XSFD	626012-4XSS6FD	62.00x60.00x12.00	1575x1524x305	AW6060P	AW6060SP	55.87x55.87	1419x1419
746012-4XSFD	746012-4XSS6FD	74.00x60.00x12.00	1880x1524x305	AW7260P	AW7260SP	67.87x55.87	1724x1419
747212-4XSFD	747212-4XSS6FD	74.00x72.00x12.00	1880x1829x305	AW7272P	AW7272SP	67.87x67.87	1724x1724
747224-4XSFD	747224-4XSS6FD	74.00x72.00x24.00	1880x1829x610	AW7272P	AW7272SP	67.87x67.87	1724x1724

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Aluminum Double-Door Floor-Standing Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Enclosure and door are fabricated from (.125) thick, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty, aluminum continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a fixed, oil and water-resistant gasket
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Stainless steel mounting legs furnished for floor mounting (unassembled)

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

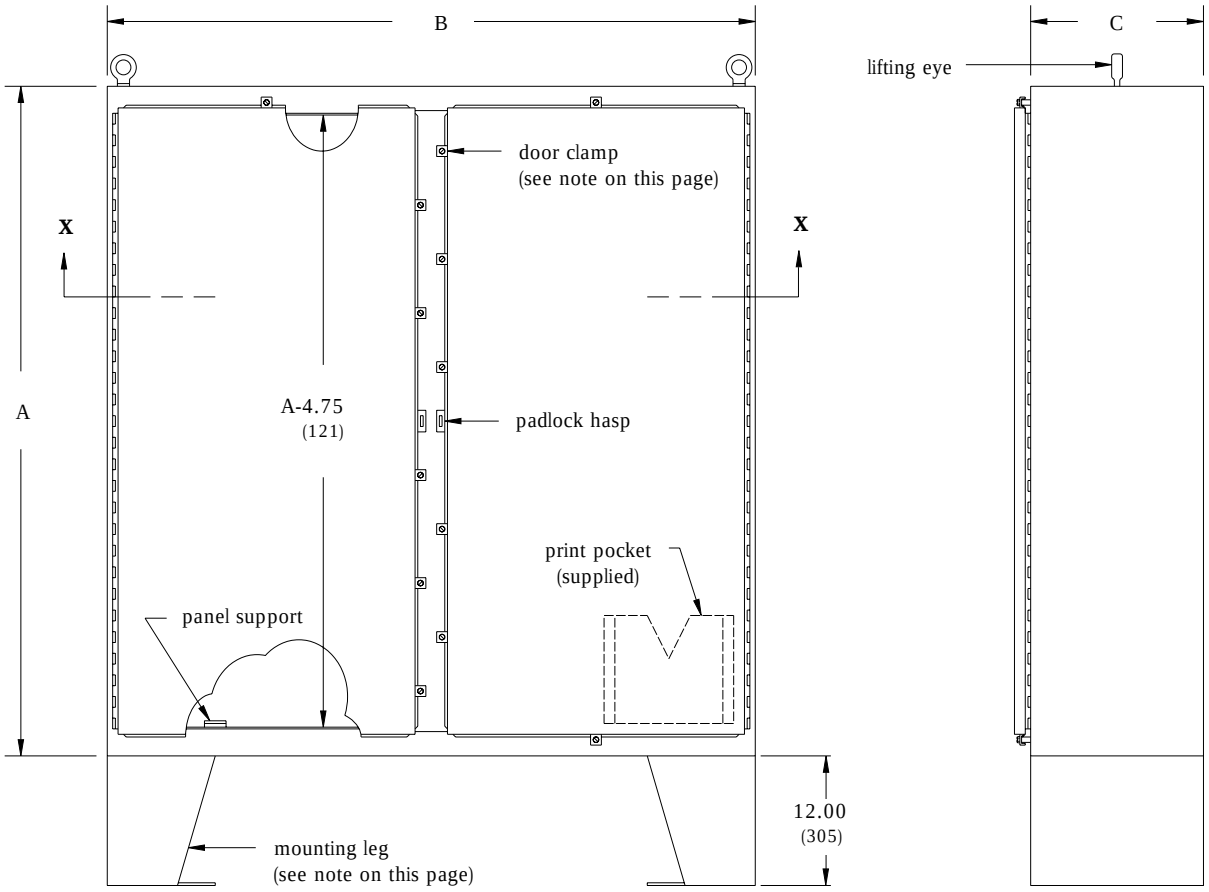
- Panels
- Leg stabilizer kit
- See Accessories section

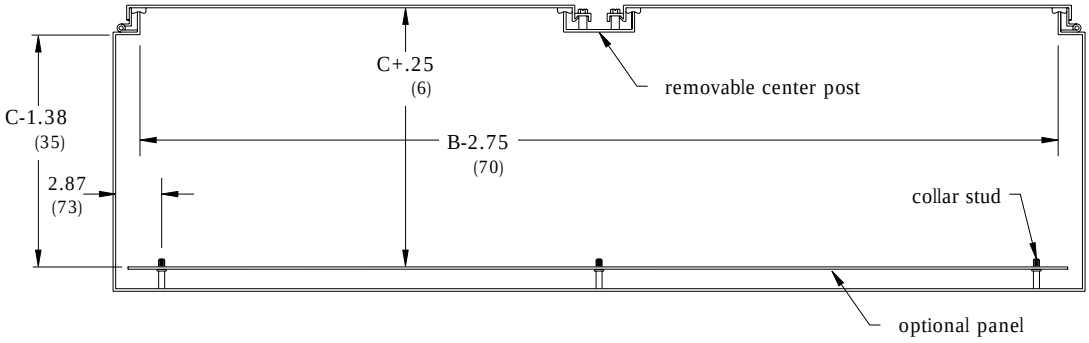
Enclosure	Enclosure Size Height Width Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Catalog Number	in.	mm	Steel	Aluminum	in.	mm
624810-4XAFD	62.00x48.00x10.00	1575x1219x254	AW6048P	AW6048AP	55.87x43.87	1419x1114
624812-4XAFD	62.00x48.00x12.00	1575x1219x305	AW6048P	AW6048AP	55.87x43.87	1419x1114
626012-4XAFD	62.00x60.00x12.00	1575x1524x305	AW6060P	AW6060AP	55.87x55.87	1419x1419
746012-4XAFD	74.00x60.00x12.00	1880x1524x305	AW7260P	AW7260AP	67.87x55.87	1724x1419
747212-4XAFD	74.00x72.00x12.00	1880x1829x305	AW7272P	AW7272AP	67.87x67.87	1724x1724
747224-4XAFD	74.00x72.00x24.00	1880x1829x610	AW7272P	AW7272AP	67.87x67.87	1724x1724

Notes: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Double-Door Floor-Standing Enclosures

Illustration Sheet





Section X-X
(enlarged)

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24. Mounting legs shipped unassembled on aluminum enclosures. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TYPE 4X FIBERGLASS

Screw Cover Enclosures - Series 1 186
Hinge Cover Enclosures - Series 1 188
Inspection Screw Cover
Enclosures - Series 1 190
Pushbutton Enclosures - Series 1 192
Wallmount Enclosures - Series 2 196
Wallmount with Window
Enclosures - Series 2 196
Fiberglass Accessories 198

B-Line
SYSTEMS THAT MAKE SENSE
ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 4X Fiberglass Screw Cover Enclosures - Series 1

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Ideally suited for harsh environments found in offshore and coastal areas, petrochemical plants, waste water treatment facilities, and food processing industries
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- cUL listed Type 4X, Type 4, and Type 12 for Canada
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Durable impact resistant enclosure base is compression molded fiberglass reinforced polyester or injection molded polyamide (see table)
- Durable transparent cover is UV light resistant polycarbonate or fiberglass reinforced polyester (see table)
- Continuous foam-in-place gasket is polyurethane and ensures a long lasting water-tight and dust-tight seal
- Enclosures are easily field or factory modified
- Each enclosure is supplied with cover screws and panel mounting screws

Finish

- Enclosures have impregnated light gray color (RAL 9003) complementary to ANSI 61 gray

Accessories

- Wall mounting brackets
- Polyester panels
- Metal panels
- Inspection covers
- Sealing plates
- Locks and latches
- **See Series 1 Accessories, pages 198-202**

Material	Polyamide	Polycarbonate	Polyester
Series 1			
Base			
Sizes 444 thru 1044	x		
Sizes 1065 thru 28207			x
Covers			
Transparent		x	
Opaque– all sizes except:		x	
Size 1066			x
Size 10106			x
Size 10136			x
Size 20106			x
Size 20136			x
Panels			x
Series 2			
Base			x
Cover			x
Panels– available in polyester, metal and bi-chromated			

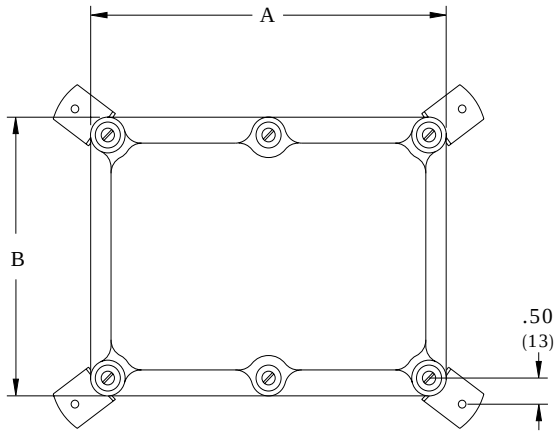
Notes: B-Line Systems can provide special holes, cutouts and other modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Screw Cover Enclosures - Series 1

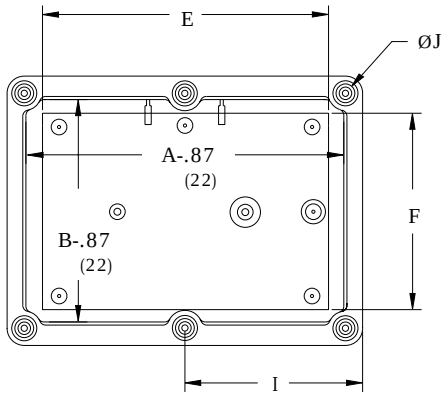
Catalog Number

Enclosure Catalog Number		Enclosure Size		Panel*	Panel Size		Dimensions									
Transparent Cover	Opaque Cover	A x B x C		Catalog Number	E x F		G		I		J		K		L	
		in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
444-4XFTSC	444-4XFOSC	5.31x5.31x5.08	135x135x129	F44P	3.82x3.82	97x97	4.17	106	-	-	0.20	5.0	0.30	7.5	0.61	15.5
644-4XFTSC	644-4XFOSC	7.09x5.31x5.08	180x135x129	F64P	5.59x3.82	142x97	4.17	106	-	-	0.20	5.0	0.30	7.5	0.61	15.5
664-4XFTSC	664-4XFOSC	7.09x7.09x5.08	180x180x129	F66P	5.59x5.59	142x142	4.17	106	-	-	0.20	5.0	0.30	7.5	0.61	15.5
1044-4XFTSC	1044-4XFOSC	10.63x5.31x5.08	270x135x129	F104P	9.21x3.88	234x97	4.17	106	-	-	0.20	5.0	0.30	7.5	0.61	15.5
1065-4XFTSC	1065-4XFOSC	10.63x7.09x5.55	270x180x141	F106P	8.66x5.12	220x130	4.96	126	-	-	0.28	7.0	0.37	9.5	0.51	13.0
1066-4XFTSC	1066-4XFOSC	10.63x7.09x6.73	270x180x171	F106P	8.66x5.12	220x130	4.96	126	-	-	0.28	7.0	0.37	9.5	0.51	13.0
10106-4XFTSC	10106-4XFOSC	10.63x10.63x6.73	270x270x171	F1010P	8.66x8.66	220x220	4.96	126	-	-	0.28	7.0	0.37	9.5	0.51	13.0
10136-4XFTSC	10136-4XFOSC	10.63x14.17x6.73	270x360x171	F1013P	8.66x12.20	220x310	4.96	126	-	-	0.28	7.0	0.37	9.5	0.51	13.0
10137-4XFTSC	10137-4XFOSC	1063x14.17x7.91	270x360x201	F1013P	8.66x12.20	220x310	4.96	126	-	-	0.28	7.0	0.37	9.5	0.51	13.0
1366-4XFTSC	1366-4XFOSC	14.17x7.09x6.73	360x180x171	F136P	12.20x5.12	310x130	4.96	126	-	-	0.28	7.0	0.37	9.5	0.51	13.0
13136-4XFTSC	13136-4XFOSC	14.17x14.17x6.73	360x360x171	F1313P	12.20x12.20	310x310	4.96	126	-	-	0.28	7.0	0.36	9.3	0.51	13.0
13137-4XFTSC	13137-4XFOSC	14.17x14.17x7.91	360x360x201	F1313P	12.20x12.20	310x310	4.96	126	-	-	0.28	7.0	0.36	9.3	0.51	13.0
20106-4XFTSC	20106-4XFOSC	21.26x10.63x6.73	540x270x171	F2010P	19.29x8.66	490x220	4.96	126	10.63	270	0.28	7.0	0.37	9.5	0.55	14.0
20107-4XFTSC	20107-4XFOSC	21.26x10.63x7.91	540x270x201	F2010P	19.29x8.66	490x220	4.96	126	10.63	270	0.28	7.0	0.37	9.5	0.55	14.0
20136-4XFTSC	20136-4XFOSC	21.26x14.17x6.73	540x360x171	F2013P	19.29X12.20	490X310	4.96	126	10.63	270	0.28	7.0	0.37	9.5	0.55	14.0
20137-4XFTSC	20137-4XFOSC	21.26X14.17X7.91	54.X360X201	F2013P	19.29X12.20	490X310	4.96	126	10.63	270	0.28	7.0	0.36	9.3	0.55	14.0
20206-4XFTSC	20206-4XFOSC	21.26X21.26X6.73	540X540X171	F2020P	19.29X19.29	490X490	4.96	126	10.63	270	0.28	7.0	0.37	9.5	.0.57	14.5
20207-4XFTSC	20207-4XFOSC	21.26X21.26X7.91	540X540X201	F2020P	19.29X19.29	490X490	4.96	126	10.63	270	0.28	7.0	0.37	9.5	0.57	14.5
28137-4XFTSC	28137-4XFOSC	28.35X14.17X7.91	720X360X201	F2813P	26.38X12.20	670X310	4.96	126	14.17	360	0.28	7.0	0.36	9.3	0.55	14.0
28207-4XFTSC	28207-4XFOSC	28.35X21.26X7.91	720X540X201	F2820P	26.38X19.29	670X490	4.96	126	14.17	360	0.28	7.0	0.37	9.5	0.57	14.5

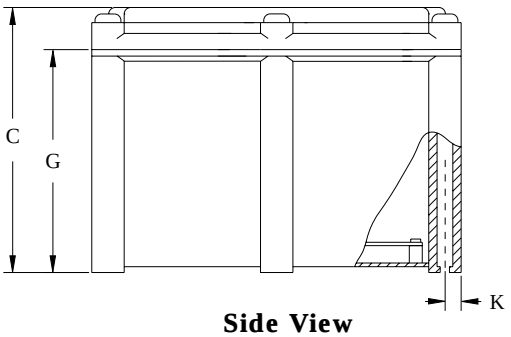
* For metal panel, change suffix from “P” to “MP”



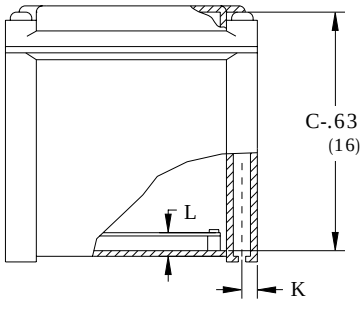
Top View



Top View With Cover Removed



Side View



End View

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass External Hinge Cover Enclosures - Series 1

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Ideally suited for harsh environments found in off shore and coastal areas, petrochemical plants, waste water treatment facilities, and food processing industries
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- cUL listed Type 4X, Type 4, and Type 12 for Canada
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Durable impact resistant enclosure base is compression molded fiberglass reinforced polyester or injection molded polyamide (see table)
- Durable transparent hinge cover is UV light resistant polycarbonate or fiberglass reinforced polyester (see table)
- Continuous foam-in-place gasket is polyurethane and ensures a long lasting water-tight and dust-tight seal
- Enclosures are easily field or factory modified
- Each enclosure is supplied with cover screws (quick-release design on 1066 size and above) and panel mounting screws

Finish

- Enclosures have impregnated light gray color (RAL 9003) complementary to ANSI 61 gray

Accessories

- Wall mounting brackets
- Polyester panels
- Metal panels
- Sealing plates
- Inspection covers
- Locks and latches
- **See Series 1 Accessories, pages 198-202**

Material	Polyamide	Polycarbonate	Polyester
Series 1			
Base			
Sizes 444 thru 1044	x		
Sizes 1065 thru 28207			x
Covers			
Transparent		x	
Opaque– all sizes except:		x	
Size 1066			x
Size 10106			x
Size 10136			x
Size 20106			x
Size 20136			x
Panels			x
Series 2			
Base			x
Cover			x
Panels– available in polyester, metal and bi-chromated			

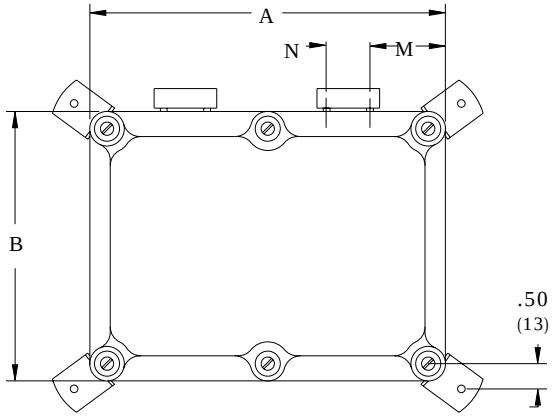
Notes: B-Line Systems can provide special holes, cutouts and other modifications. Consult the factory for your special requirements.

Type 4X Fiberglass External Hinge Cover Enclosures - Series 1

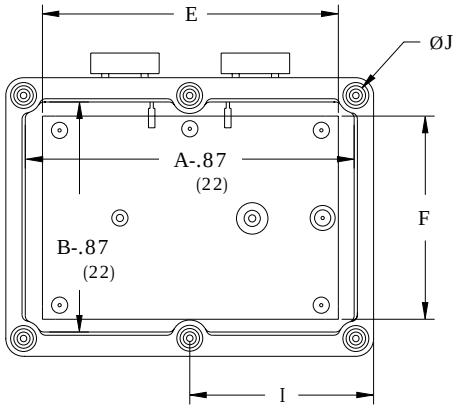
Catalog Number

Enclosure Catalog Number		Enclosure Size		Panel*	Panel Size		Dimensions															
Transparent Cover	Opaque Cover	A x B x C in.	mm	Catalog Number	E x F in.	mm	G in.	mm	I in.	mm	J in.	mm	K in.	mm	L in.	mm	M in.	mm	N in.	mm		
444-4XFTHC	**444-4XFOHC**	5.31x5.31x5.08	135x135x129	**F44P**	3.82x3.82	97x97	4.17	106	-	-	0.20	5	0.30	7.5	0.61	15.5	1.50	38				
644-4XFTHC	**644-4XFOHC**	7.09x5.31x5.08	180x135x129	**F64P**	5.59x3.82	142x97	4.17	106	-	-	0.20	5	0.30	7.5	0.61	15.5	1.50	38				
664-4XFTHC	**664-4XFOHC**	7.09x7.09x5.08	180x180x129	**F66P**	5.59x5.59	142x142	4.17	106	-	-	0.20	5	0.30	7.5	0.61	15.5	1.50	38				
1044-4XFTHC	**1044-4XFOHC**	10.63x5.31x5.08	270x135x129	**F104P**	9.21x3.88	234x97	4.17	106	-	-	0.20	5	0.30	7.5	0.61	15.5	1.50	38				
1066-4XFTHC	**1066-4XFOHC**	10.63x7.09x6.73	270x180x171	**F106P**	8.66x5.12	220x130	4.96	126	-	-	0.28	7	0.37	9.5	0.51	13.0	1.50	38				
10106-4XFTHC	**10106-4XFOHC**	10.63x10.63x6.73	270x270x171	**F1010P**	8.66x8.66	220x220	4.96	126	-	-	0.28	7	0.37	9.5	0.51	13.0	2.01	51				
10136-4XFTHC	**10136-4XFOHC**	10.63x14.17x6.73	270x360x171	**F1013P**	8.66x12.20	220x310	4.96	126	-	-	0.28	7	0.37	9.5	0.51	13.0	2.01	51				
10137-4XFTHC	**10137-4XFOHC**	10.63x14.17x7.91	270x360x201	**F1013P**	8.66x12.20	220x310	4.96	126	-	-	0.28	7	0.37	9.5	0.51	13.0	2.01	51				
1366-4XFTHC	**1366-4XFOHC**	14.17x7.09x6.73	360x180x171	**F136P**	12.20x5.12	310x130	4.96	126	-	-	0.28	7	0.37	9.5	0.51	13.0	2.01	51				

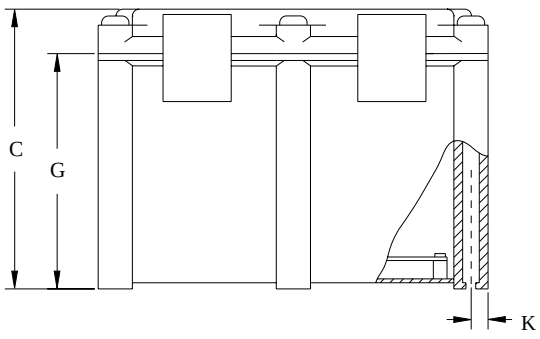
* For metal panel, change suffix from "P" to "MP"



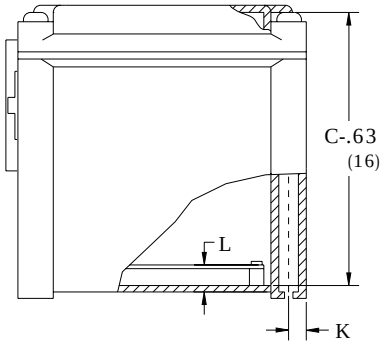
Top View



Top View Without Cover



Side View

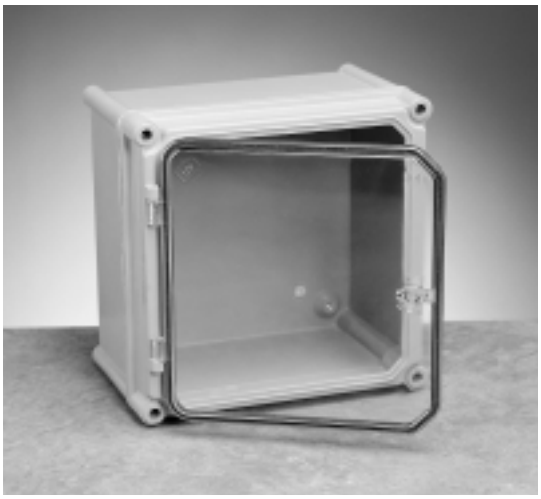


End View

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Type 12 Fiberglass Inspection Screw Cover Enclosures - Series 1

Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Ideally suited for harsh environments found in off shore and coastal areas, petrochemical plants, waste water treatment facilities, and food processing industries
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 12
- cUL listed Type 12 for Canada
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Durable impact resistant enclosure base is compression molded fiberglass reinforced polyester
- Durable transparent inspection cover is UV light resistant polycarbonate and fiberglass reinforced polyester
- Continuous foam-in-place gasket is polyurethane and ensures a long lasting water-tight and dust-tight seal
- Enclosures are easily field or factory modified
- Each enclosure is supplied with cover screws and panel mounting screws

Finish

- Enclosures have impregnated light gray color (RAL 9003) complementary to ANSI 61 gray

Accessories

- Wall mounting brackets
- Metal panels
- Polyester panels
- Inspection covers
- Sealing plates
- Locks and latches
- **See Series 1 Accessories, page 198-202**

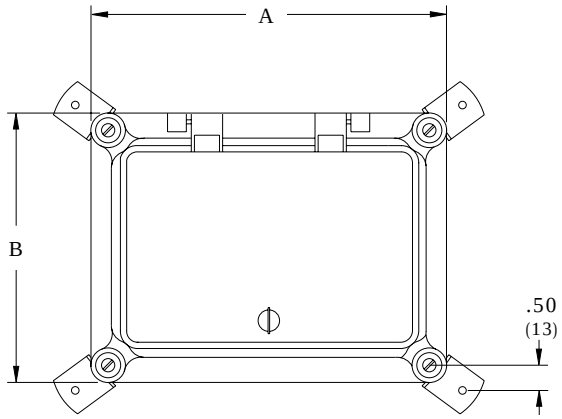
Notes: B-Line Systems can provide special holes, cutouts and other modifications. Consult the factory for your special requirements.

Type 12 Fiberglass Inspection Screw Cover Enclosures - Series 1

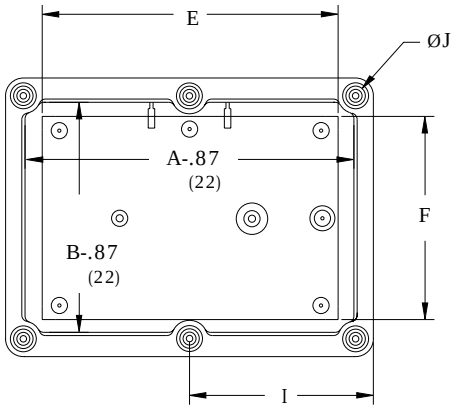
Catalog Number

Enclosure	Enclosure Size		Panel*	Panel Size		Dimensions							
	A x B x C			E x F		G		J		K		L	
Catalog Number	in.	mm	Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
10106-12FOSCD	10.63x10.63x7.36	270x270x187	**F1010P**	8.66x8.66	220x220	4.96	126.0	0.28	7.0	0.37	9.5	0.51	13.0
10137-12FOSCD	10.63x14.17x7.36	270x360x187	**F1013P**	8.66x12.20	220x310	4.96	126.0	0.28	7.0	0.37	9.5	0.51	13.0

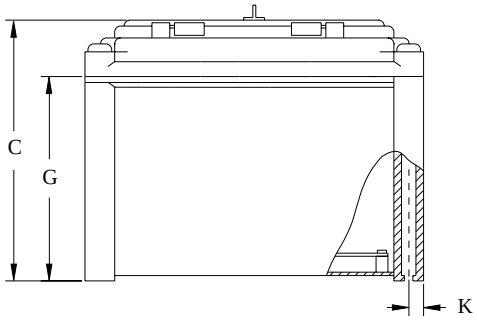
* For metal panel, change suffix from “P” to “MP”



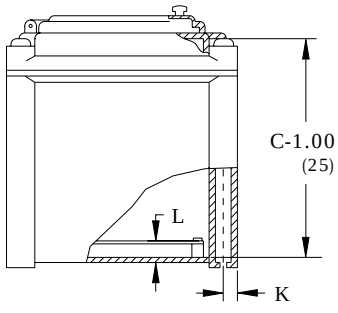
Top View



Top View With Cover Removed



Side View



End View

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Pushbutton Enclosures - Series 1

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Ideally suited for harsh environments found in off shore and coastal areas, petrochemical plants, waste water treatment facilities, and food processing industries
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water
- Designed to mount standard pushbuttons, pilot lights and switches

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- cUL listed Type 4X, Type 4, and Type 12 for Canada
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP66

Construction

- Durable impact resistant enclosure base is compression molded fiberglass reinforced polyester or injection molded polyamide (see table)
- Durable opaque cover is UV light resistant polycarbonate or fiberglass reinforced polyester (see table)
- Continuous foam-in-place gasket is polyurethane and ensures a long lasting water-tight and dust-tight seal
- Enclosures are easily field or factory modified
- Each enclosure is supplied with cover screws and panel mounting screws

Finish

- Enclosures have impregnated light gray color (RAL 9003) complementary to ANSI 61 gray

Accessories

- Wall mounting brackets
- Polyester panels
- Metal panels
- Inspection covers
- Sealing plates
- Locks and latches
- **See Series 1 Accessories, page 198-202**

Material	Polyamide	Polycarbonate	Polyester
Series 1			
Base			
Sizes 444 thru 1044	x		
Sizes 1065 thru 28207			x
Covers			
Transparent		x	
Opaque– all sizes except:		x	
Size 1066			x
Size 10106			x
Size 10136			x
Size 20106			x
Size 20136			x
Panels			x
Series 2			
Base			x
Cover			x
Panels– available in polyester, metal and bi-chromated			

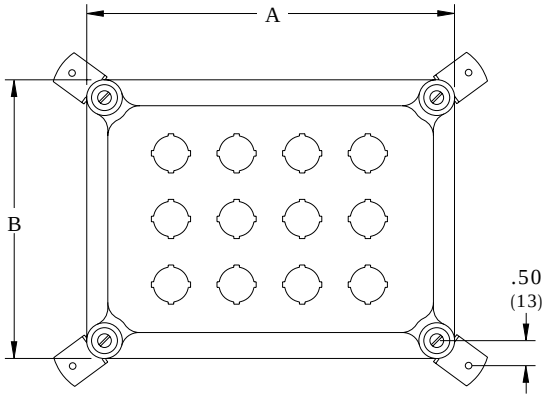
Notes: B-Line Systems can provide special holes, cutouts and other modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Pushbutton Enclosures - Series 1

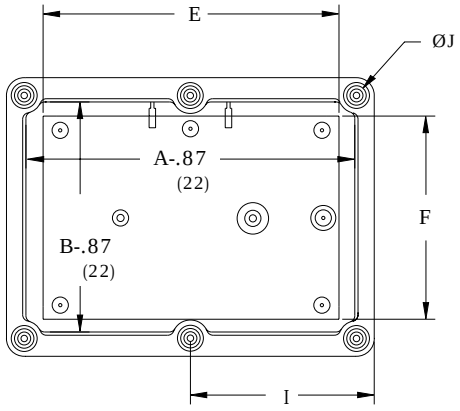
Catalog Number

Enclosure	Enclosure Size		Panel*	Panel Size		Dimensions							
Catalog Number	A x B x C in.	A x B x C mm	Catalog Number	E x F in.	E x F mm	G in.	G mm	J in.	J mm	K in.	K mm	L in.	L mm
444-4XFPB1	5.31x5.31x5.08	135x135x129	F44P	3.82x3.82	97x97	4.17	106	0.20	5.0	0.30	7.5	0.61	15.5
644-4XFPB2	7.09x5.31x5.08	180x135x129	F64P	5.59x3.82	142x97	4.17	106	0.20	5.0	0.30	7.5	0.61	15.5
664-4XFPB3	7.09x7.09x5.08	180x180x129	F66P	5.59x5.59	142x142	4.17	106	0.20	5.0	0.30	7.5	0.61	15.5
664-4XFPB4	7.09x7.09x5.08	180x180x129	F66P	5.59x5.59	142x142	4.17	106	0.20	5.0	0.30	7.5	0.61	15.5
1065-4XFPB6	10.63x7.09x5.55	270x180x141	F106P	8.66x5.12	220x130	4.96	126	0.28	7.0	0.37	9.5	0.51	13.0
10106-4XFPB9	10.63x10.63x6.73	270x270x171	F1010P	8.66x8.66	220x220	4.96	126	0.28	7.0	0.37	9.5	0.51	13.0
1366-4XFPB10	14.17x7.09x6.73	360x180x171	F136P	12.20x5.12	310x130	4.96	126	0.28	7.0	0.37	9.5	0.51	13.0
10136-4XFPB12	10.63x14.17x6.73	270x360x171	F1013P	8.66x12.20	220x310	4.96	126	0.28	7.0	0.3	9.5	0.51	13.0
10136-4XFPB15	10.63x14.17x6.73	270x360x171	F1013P	8.66x12.20	220x310	4.96	126	0.28	7.0	0.37	9.5	0.51	13.0
13136-4XFPB20	14.17x14.17x6.73	360x360x171	F1313P	12.20x12.20	310x310	4.96	126	0.28	7.0	0.37	9.5	0.51	13.0
13136-4XFPB25	14.17x14.17x6.73	360x360x171	F1313P	12.20x12.20	310x310	4.96	126	0.28	7.0	0.37	9.5	0.51	13.0
1044-4XFPV3	10.63x5.31x5.08	270x135x129	F104P	9.21x3.88	234x98	4.17	106	0.20	5.0	0.30	7.5	0.61	15.5

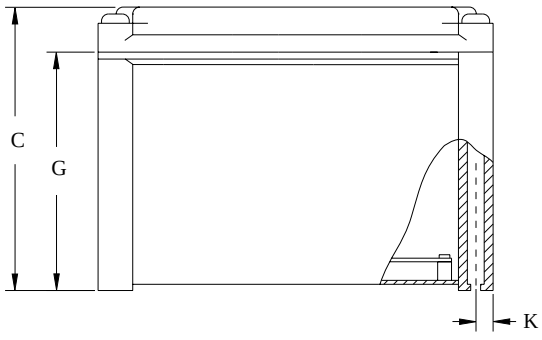
* For metal panel, change suffix from “P” to “MP”



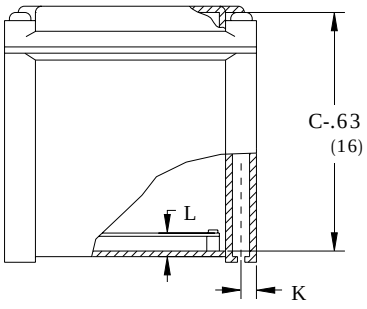
Top View



Top View With Cover Removed



Side View

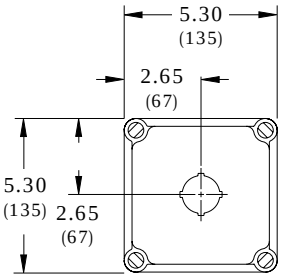


End View

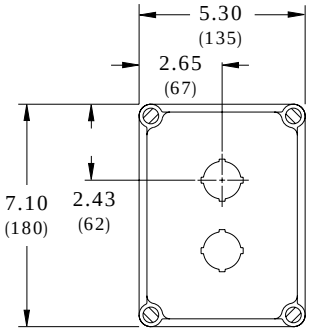
Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Type 4X Opaque Pushbutton Enclosures-Series 1

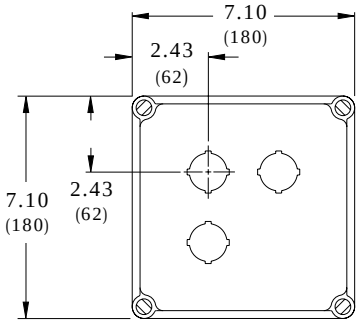
Illustration Sheet



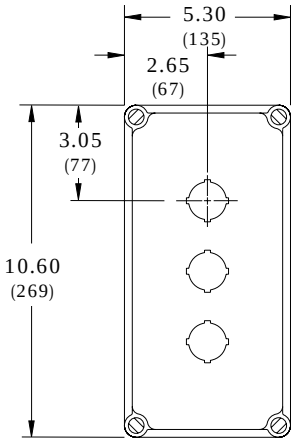
444-4XFPB1



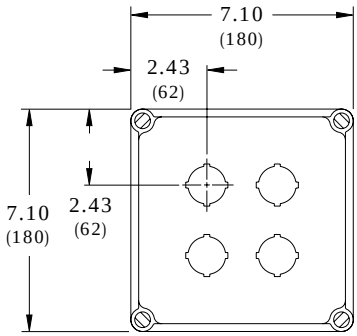
644-4XFPB2



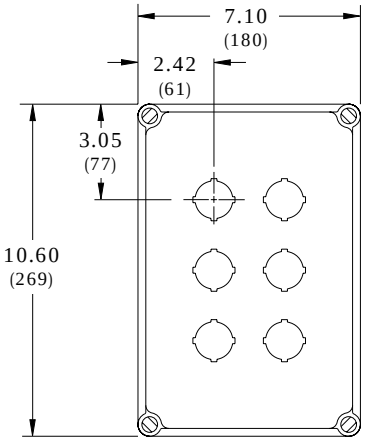
664-4XFPB3



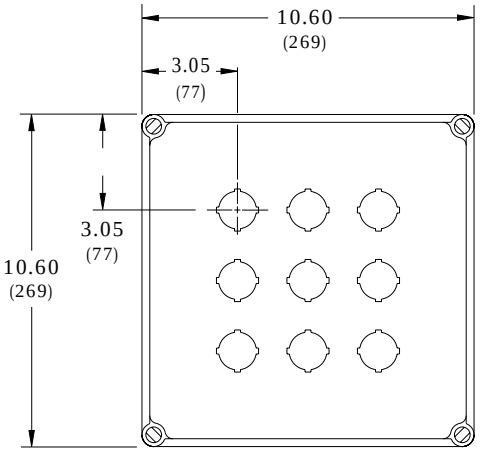
1044-4XFPV3



664-4XFPB4



1065-4XFPB6

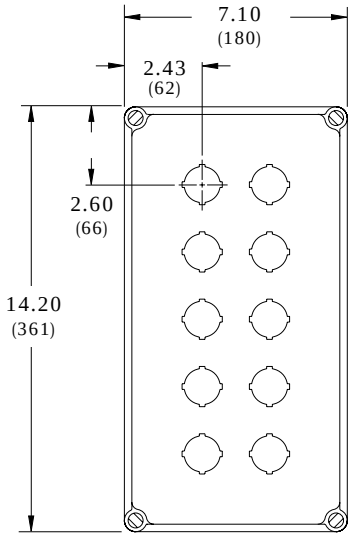


10106-4XFPB9

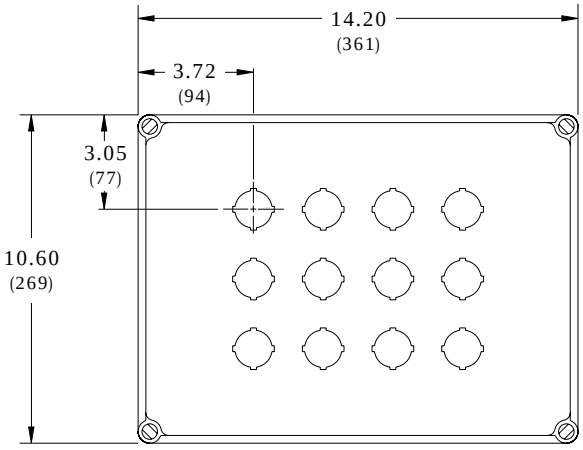
Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Type 4X Opaque Pushbutton Enclosures-Series 1

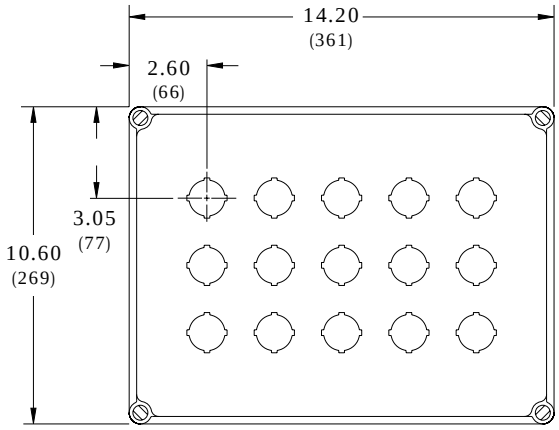
Illustration Sheet



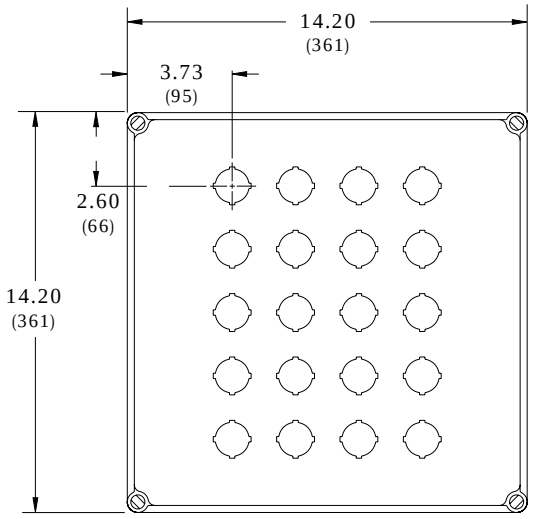
1366-4XFPB10



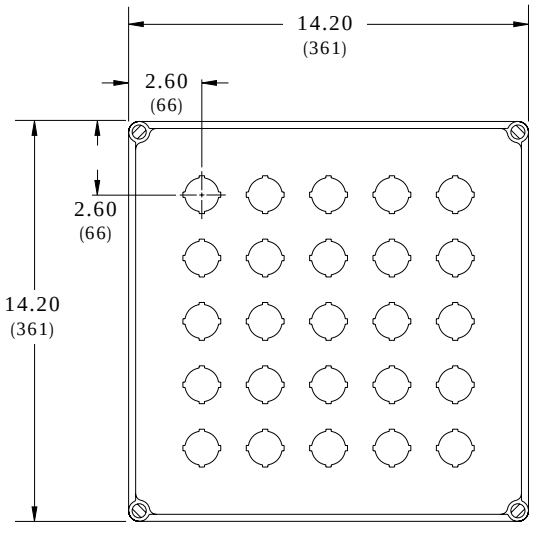
10136-4XFPB12



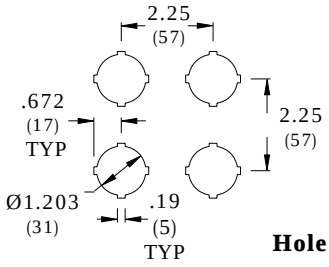
10136-4XFPB15



13136-4XFPB20



13136-4XFPB25



Hole Pattern Typ.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Wallmount Enclosures - Series 2

Data Sheet

Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Ideally suited for harsh environments found in off shore and coastal areas, petrochemical plants, waste water treatment facilities, and food processing industries
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, and Type 12
- cUL listed Type 4X, Type 4, and Type 12 for Canada
- Conforms to NEMA standard for Type 4X, Type 4, and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- One-piece compression molded fiberglass reinforced polyester
- One-piece design has no joints or welds
- Molded visor keeps fluids away from seal
- Concealed quick-release stainless steel hinge permits door to open past 180° for easy access
- Window version allows visual inspection of controls or instruments
- Symmetrical design allows door to open left or right
- Each enclosure is supplied with panel mounting screws and mounting brackets with hardware

Finish

- Enclosures have impregnated light beige color (RAL 7030) complementary to ANSI 61 gray

Accessories

- Metal panels
- Polyester panels
- Locks and latches
- **See Series 2 Accessories, page 203-205**

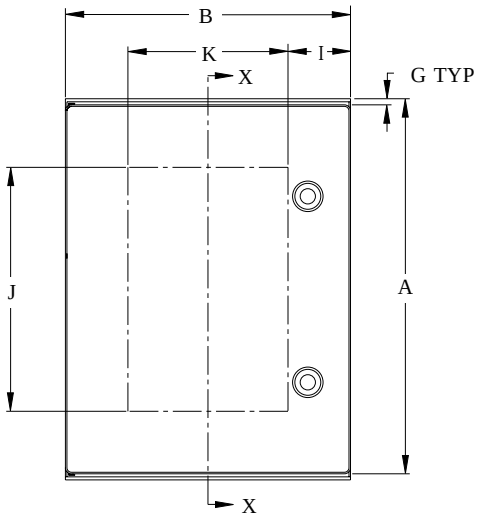
Notes: B-Line Systems can provide special holes, cutouts and other modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Wallmount Enclosures - Series 2

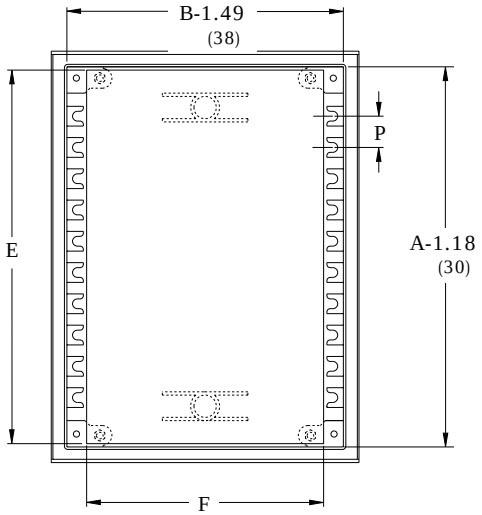
Catalog Number

Enclosure Catalog Number		Enclosure Size		Panel*	Panel Size		Dimensions															
Without Window	With Window	A x B x C in.	mm	Catalog Number	E x F in.	mm	G in.	mm	I in.	mm	J† in.	mm	K† in.	mm	L in.	mm	M in.	mm	N in.		P mm	
in. mm																						
12106-4XFPT	12106-4XFPTW	11.81x9.84x5.71	300x250x145	FPT1210P	10.55x8.39	268x213	0.19	4.75	2.95	75.0	8.66	220	4.53	115	0.65	16.6	9.76		248		8.46	
215 0.98	25																					
16128-4XFPT	16128-4XFPTW	15.75x11.81x8.07	400x300x205	FPT1612P	14.09x10.24	358x260	0.30	7.50	3.13	79.5	11.06	281	5.55	141	0.65	16.6	13.31		338		10.31	
262 1.18	30																					
16168-4XFPT	16168-4XFPTW	15.75x15.75x8.07	400x400x205	FPT1616P	14.09x14.17	358x360	0.29	7.25	3.52	89.5	11.06	281	8.70	221	0.65	16.6	13.31		338		14.25	
362 0.98	25																					

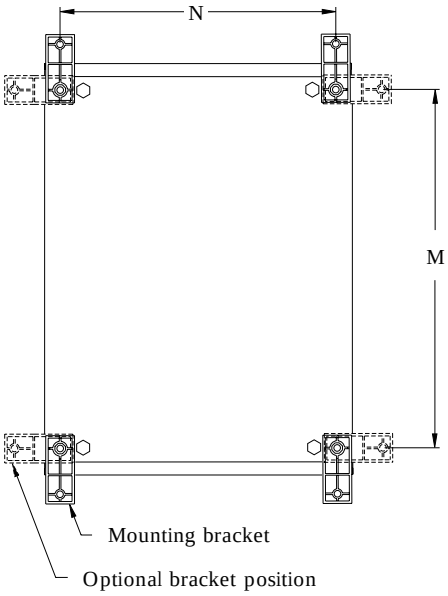
* For metal panel, change suffix from "P" to "MP"
† J & K dimensions apply to Series 2 enclosures with window only



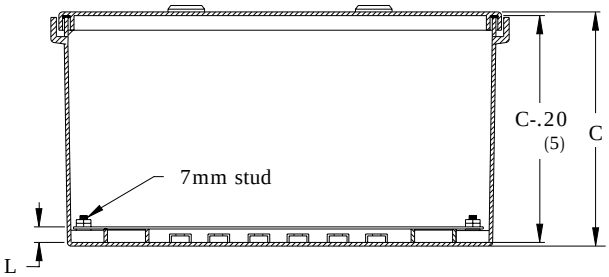
Front View With Door



Front View Without Door



Rear View



Section x - x

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Series 1 Fiberglass

Accessories

Panels						
Catalog Number		Panel Size Height x Width		Polyester Thickness		Metal Gauge
Polyester	Metal	in.	mm	in.	mm	
F44P	F44MP	3.82x3.82	97x97	0.12	3	14
F64P	F64MP	5.59x3.82	142x97	0.12	3	14
F66P	F66MP	5.59x5.59	142x142	0.12	3	14
F104P	F104MP	9.21x3.82	234x97	0.12	3	14
F106P	F106MP	8.66x5.12	220x130	0.12	3	14
F1010P	F1010MP	8.66x8.66	220x220	0.12	3	14
F1013P	F1013MP	8.66x12.20	220x310	0.12	3	14
F136P	F136MP	12.20x5.12	310x130	0.12	3	14
F1313P	F1313MP	12.20x12.20	310x310	0.12	3	14
F2010P	F2010MP	19.29x8.66	490x220	0.37	9	14
F2013P	F2013MP	19.29x12.20	490x310	0.37	9	14
F2020P	F2020MP	19.29x19.29	490x490	0.37	9	14
F2813P	F2813MP	26.37x12.20	670x310	0.37	9	14
F2820P	F2820MP	26.37x19.29	670x490	0.37	9	14

Available in polyester or metal. Metal panels have a white polyester powder finish.

Depth Extender			
Catalog Number	Dimensions H x W x D		For Use With
	in.	mm	
F2010DE	21.26x10.63x2.46	540x270x62.5	20106 & 20107 Size
F2013DE	21.26x14.17x2.46	540x360x62.5	20136 & 20137 Size
F2020DE	21.26x21.26x4.92	540x540x125	20206 & 20207 Size

Used to increase enclosure depth. More than 1 depth extender may be used in each enclosure. Includes attached gasketing and mounting screws.

Mounting Brackets			
Catalog Number	Hole Diameter		For Use With
	in.	mm	
F1MBSS4	0.20	5.0	444,644,664,1044 Size
F2MBSS4	0.28	7.0	1065 Size and above

For attaching single boxes to the wall.
Mounting brackets attach at the four corners of the enclosure.
Mounting brackets and screws are Type 304 stainless steel.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

F1EH

F2EH

Hinges	
Catalog Number	**For Use With**
F1EH	444,644,664,1044 size
F2EH	1065 size and above

External hinge kits allow field conversion of screw cover to hinge cover enclosure.

Drain Kit	
Catalog Number	**Description**
F23D	Drain Kit

Used for draining condensation from bottom of enclosures.

Ventilator	
Catalog Number	**Description**
F19V	Ventilator

Allows air circulation inside the box to prevent condensation build-up. Suitable for all enclosures.

F22RG-F62RG

F75RG-F95RG

Rubber Grommets				
Catalog Number	**Dimensions**			
	Cable Diameter		**Hole Diameter**	
	in.	**mm**	**in.**	**mm**
F22RG	.19-.71	5-18	.86	22
F31RG	.39-1.10	10-28	1.22	31
F41RG	.47-1.38	12-35	1.61	41
F62RG	1.18-2.28	30-58	2.44	62
F75RG	.39-2.36	10-60	2.95	75
F95RG	.47-3.15	12-80	3.74	95

Designed to facilitate cable entry.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Series 1 Fiberglass

Accessories

Sealing Plate		
Catalog Number	Dimensions H x W x D	
	in.	mm
F43SP	3.74x3.22x0.49	95x82x12.5
F54SP	5.23x4.13x0.49	133x105x12.5
F94SP	8.78x4.13x0.49	223x105x12.5
F124SP	12.32x4.13x0.49	313x105x12.5

Allows unused opening to be closed off.

Coupling Plate		
Catalog Number	Dimensions H x W x D	
	in.	mm
F43CP	3.74x3.22x0.59	95x82x15
F54CP	5.23x4.13x0.59	133x105x17
F94CP	8.78x4.13x0.59	223x105x17
F124CP	12.32x4.13x0.59	313x105x17

Creates a modular enclosure system.
Allows enclosures to be coupled together.

Inspection Cover		
Catalog Number	Dimensions H x W	
	in.	mm
F23IC	2.32x3.07	59x78
F43IC	3.70x3.07	94x78
F53IC	5.10x3.07	129x78
F63IC	6.40x3.07	163x78
F83IC	7.90x3.07	200x78
F910IC	9.76x9.76	235x248
F1310IC	12.80x9.76	325x248

Transparent cover mounted on hinged frame.
Allows visual inspection of instrumentation and controls.
Note: F910IC and F1310IC feature a different design than shown on left, see page 190.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Cover Screws		
Catalog Number	**Description**	**For Use With**
F1SCS	Slotted cover screws	444, 644, 664, 1044 Size
F2SCS	Slotted cover screws	1065 Size and above
F1QRCS	Quick-release cover screws	1065 Size and above
F1HSCS	Hinged slotted cover screws	1065 Size and above
F1HQRCS	Hinged quick-release cover screws	1065 Size and above
F1TCS	Triangular head cover screws	1065 Size and above
FPTTK	Triangular head cover screw key	F1TCS cover screws

All slotted, quick-release and triangular screws are designed to quickly attach cover to enclosure base. All hinge screws are polymide and have a flexible lower cord which functions as the hinge and holds the cover to the enclosure base when opened.

F1SCS & F2SCS

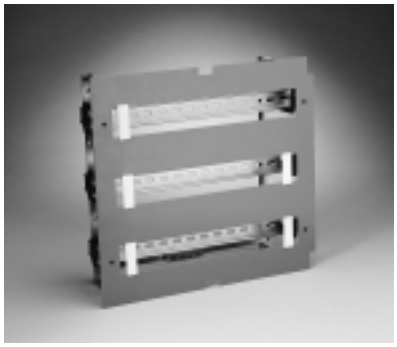
F1QRCS

F1TCS (order FPTTK Key separately)

F1HQRCS

F1HSCS

FPTTK



Modular Mounting Frames		
Catalog Number	**For Use With**	**Total Module Capacity**
F110MMF	1065,1066 Size	10
F210MMF	10106 Size	20
F310MMF	10136,10137 Size	30
F410MMF	20106,20107 Size	40
F415MMF	20136,20137 Size	60

DIN rail modular mounting frame.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Series 1 Fiberglass

Accessories

Cable Entry Box		
Catalog Number	Dimensions H x W x D	
	in.	mm
F957CEB	9x5x7	223x118x167
F1257CEB	12x5x7	313x118x167

Designed to permit cable entry without reducing usable enclosure inside space.

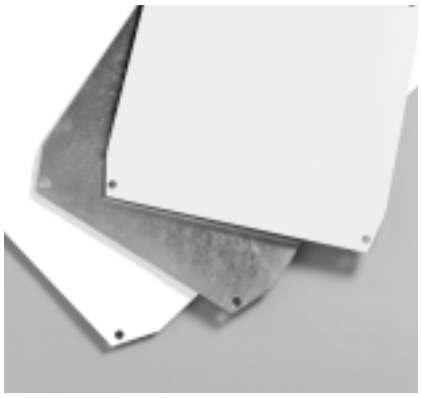
Cable Joint Box		
Catalog Number	Dimensions H x W x D	
	in.	mm
F945CJB	9x4x5	224x100x116

Designed to permit cable entry without reducing usable enclosure inside space.

Cable Glands				
Catalog Number	Dimensions			
	Cable Diameter		Hole Diameter	
	in.	mm	in.	mm
F19CG	.31-.39	8-10	.75	19
F21CG	.39-.47	10-12	.83	21
F23CG	.47-.55	12-14	.91	23
F29CG	.55-.63	14-18	1.14	29
F38CG	.63-.95	18-24	1.50	38
F48CG	.95-1.18	24-30	1.87	48
F55CG	1.18-1.38	30-35	2.16	55
F60CG	1.38-1.58	35-40	2.36	60

Provides a dependable seal for cable entry.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.



Panels							
Catalog Number			Panel Size H x W x D		Polyester Thickness		Metal Gauge
Polyester	White	Bichromate	in.	mm	in.	mm	
FPT1210P	FPT1210MP	FPT1210YZNP	10.55x8.39x0.16	268x213x4	.16	4	14
FPT1612P	FPT1612MP	FPT1612YZNP	14.09x10.24x0.16	358x260x4	.16	4	14
FPT1616P	FPT1616MP	FPT1616YZNP	14.09x14.17x0.16	358x360x4	.16	4	14
FPT2016P	FPT2016MP	FPT2016YZNP	18.03x14.17x0.16	458x360x4	.16	4	14
FPT2416P	FPT2416MP	FPT2416YZNP	21.97x14.17x0.16	558x360x4	.16	4	14
FPT2420P	FPT2420MP	FPT2420YZNP	21.97x18.11x0.16	558x460x4	.16	4	14
FPT3224P	FPT3224MP	FPT3224YZNP	29.68x21.89x0.16	754x556x4	.16	4	14

Available in polyester, white polyester powder painted steel or yellow dichromate steel.

Mounting Brackets	
Catalog Number	Description
FPT1MB	Series 2 mounting brackets

Wallmount brackets are designed to allow multiple mounting positions.

Note:

Wallmount brackets are supplied with Series 2 enclosures as standard hardware.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Series 2 Fiberglass

Accessories

Locks & Latches	
Catalog Number	**Description**
FPTSL	Standard Latch Assembly
FPTKL	Keyed Latch Assembly
FPTTC	Triangular Head Latch Assembly
FPTTK	Triangular Head Catch Key
FPT1LP	Lockable Plate
FPT2LP	Stainless Steel Lockable Plate

Interchangeable system of locks and latches that fit all Series 2 enclosures.

FPTSL

FPTKL

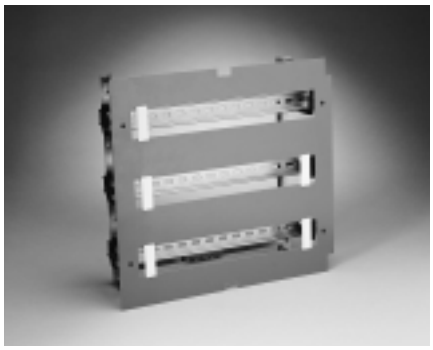
FPTTC

FPTTK

FPT1LP

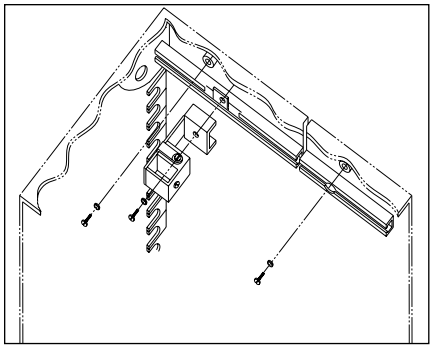
FPT2LP

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.



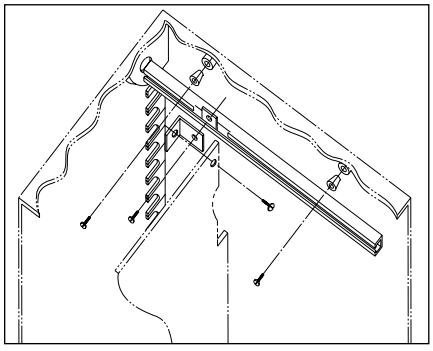
Modular Chassis		
Catalog Number	**For Use With**	**Total Module Capacity**
FPT110MMF	12106 Series 2	10
FPT210MMF	12106 Series 2	20
FPT212MMF	16128 Series 2	24
FPT312MMF	16128 Series 2	36
FPT218MMF	16168 Series 2	36
FPT3181MMF	16168 Series 2	54
FPT3182MMF	20168 Series 2	54
FPT418MMF	24169 Series 2	72
FPT424MMF	24209 Series 2	72

DIN rail modular mounting frame



Adjustable Hinge Panel Kit	
Catalog Number	**For Enclosure**
FPT16128AHP	16128-4XFPT
FPT16168AHP	16168-4XFPT
FPT20168AHP	20168-4XFPT
FPT20169AHP	20169-4XFPT
FPT24209AHP	24209-4XFPT
FPT322412AHP	322412-4XFPT

Hinged assembly includes all components necessary for adjusting panel depth and will allow panel to “swing open”.



Adjustable Panel Kit		
Catalog Number	**For Enclosure Depth**	
	in.	**mm**
FPT8APK	8.07	205
FPT9APK	9.25	235
FPT12APK	12.01	305

Assembly includes all components necessary for adjusting panel depth.

Notes: Dimensions are in millimeters. Inches shown are for reference only. Data subject to change without notice.

Notes

TYPE 12 MODULAR ENCLOSURES

Free-Standing Modular Enclosures 208
Free-Standing Flange-Mount Modular Enclosures 211
Free-Standing Modular Accessories 213
Free-Standing Modular Disconnects 214

B-Line® SYSTEMS THAT MAKE SENSE
ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 12 Free-Standing Modular Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Panels have a white enamel finish

Accessories

- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, lift-off hinge and 3-pt padlockable handle mechanism
- Slave doors cannot open without activation of mechanical interlock but can close in any order
- Doors have a fixed oil-resistant gasket
- Print pocket provided
- Modular design and flanged side opening provide strength and a variety of mounting arrangements
- Heavy steel stiffeners welded across the back provide enclosure rigidity
- Removable panels mounted on .375-16 collar studs and panel supports are furnished behind each door
- Large lifting eyebolts are supplied
- Four styles of enclosure construction and specific features:
  1. Single-door slave enclosure - Both sides open.
  2. Two-door slave enclosure - Both sides open. Doors close onto a center post which can be removed for complete front access. Lighting mounting channel provided.
  3. Single-door disconnect enclosure - Left side open. Serves as a master door with connecting interlocks which prevent slave doors from opening first. Defeater mechanism on door requires a screwdriver to open. Universal cut-out on right side flange for disconnect operator.
  4. Two-door disconnect enclosure - Left side open. Both doors hinge left, the right side serving as the master with connecting interlocks which prevent slave doors from opening first. Defeater mechanism on door requires a screwdriver to open. Universal cut-out on right flange for disconnect operator. Center post is removable. Lighting mounting channel provided.

Important Note

When ordering modular enclosure systems, be sure to include all the necessary components.

1. Disconnect master or slave enclosure
2. Gasket kits and/or end plates (see page 213)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 331)

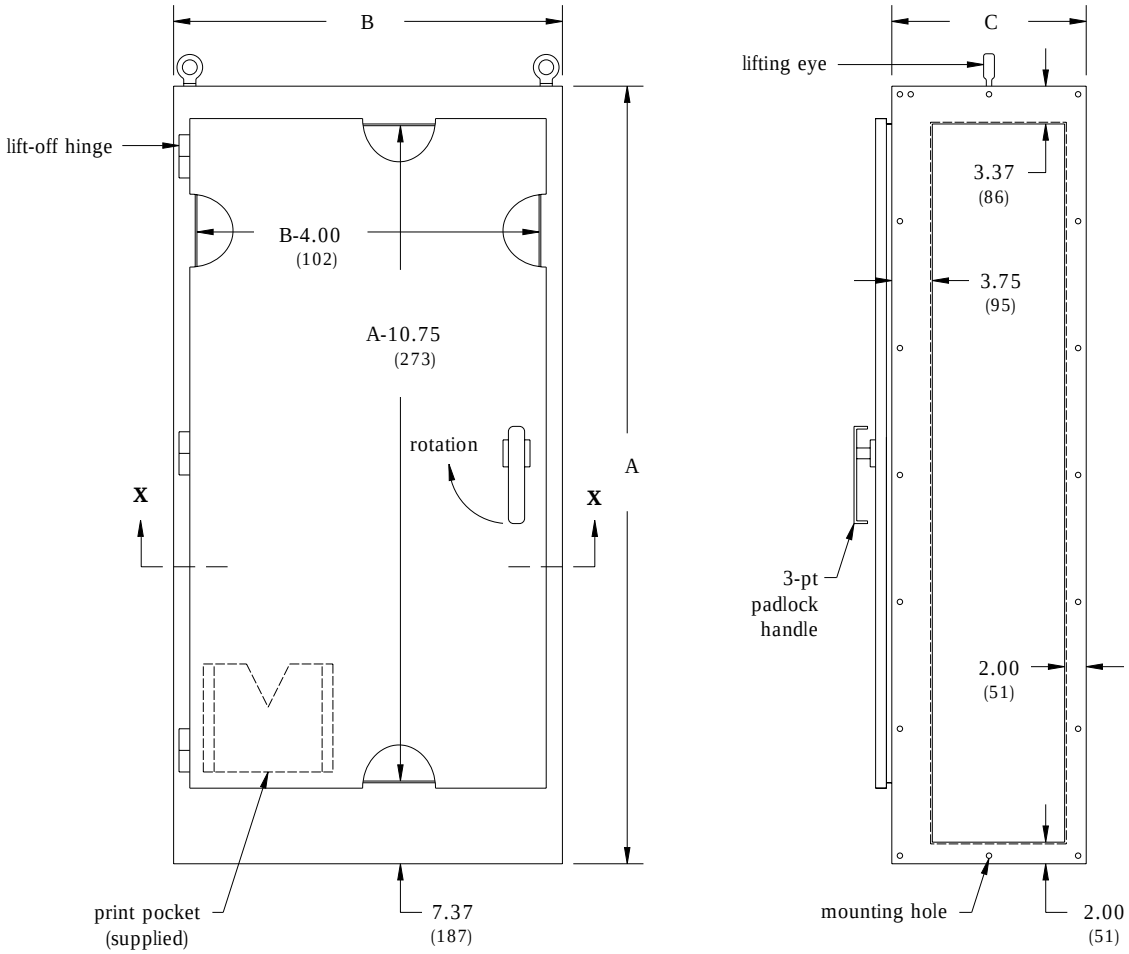
Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 215-224.

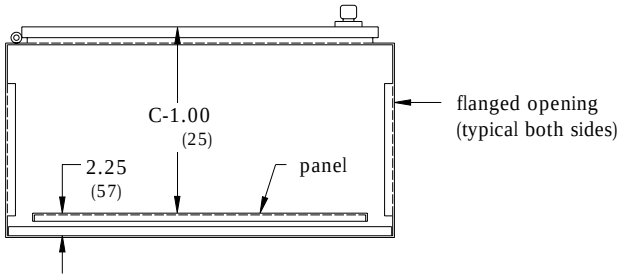
Notes: B-Line Systems can provide standard slave style enclosures complete with interlocking mechanism.
B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Free-Standing Single-Door Modular Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
M723818-12FS	72.00x38.75x18.00	1829x984x457	60.00x33.75	1524x857
M843818-12FS	84.00x38.75x18.00	2134x984x457	72.00x33.75	1829x857
M843824-12FS	84.00x38.75x24.00	2134x984x610	72.00x33.75	1829x857





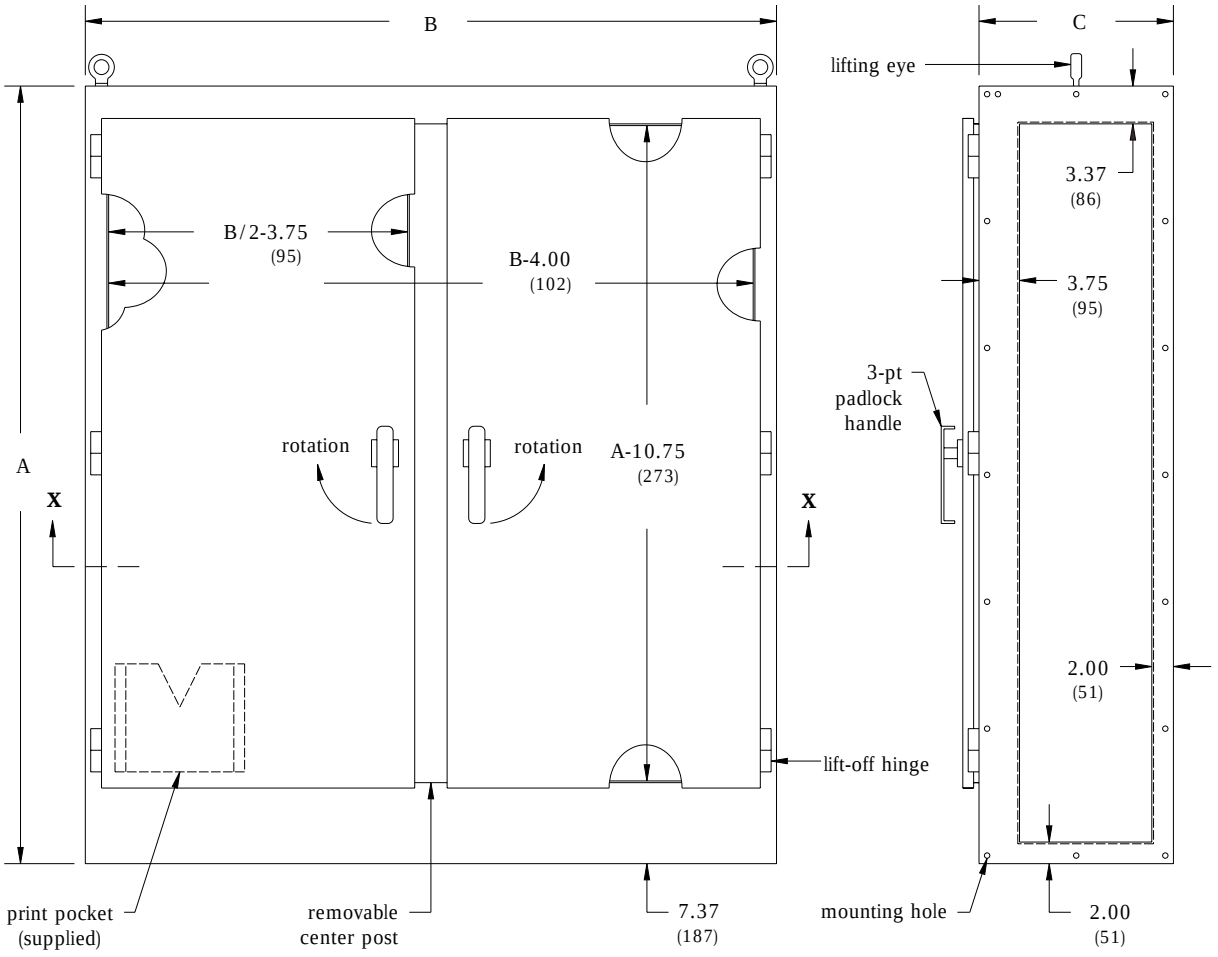
Section X-X

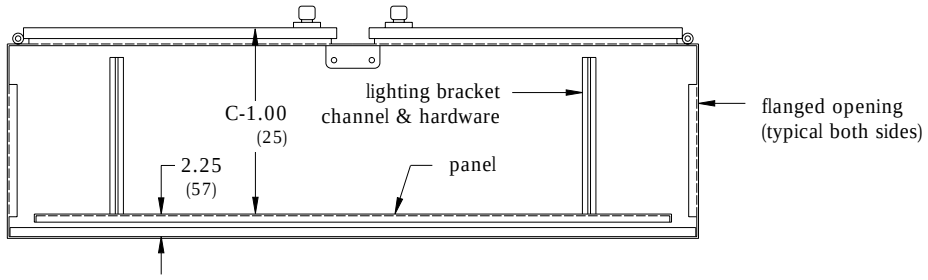
Notes: Four lifting eyes are furnished when C dimension is 24.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Modular Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
M727718-12FS	72.00x77.00x18.00	1829x1956x457	60.00x72.00	1524x1829
M847718-12FS	84.00x77.00x18.00	2134x1956x457	72.00x72.00	1829x1829
M847724-12FS	84.00x77.00x24.00	2134x1956x457	72.00x72.00	1829x1829





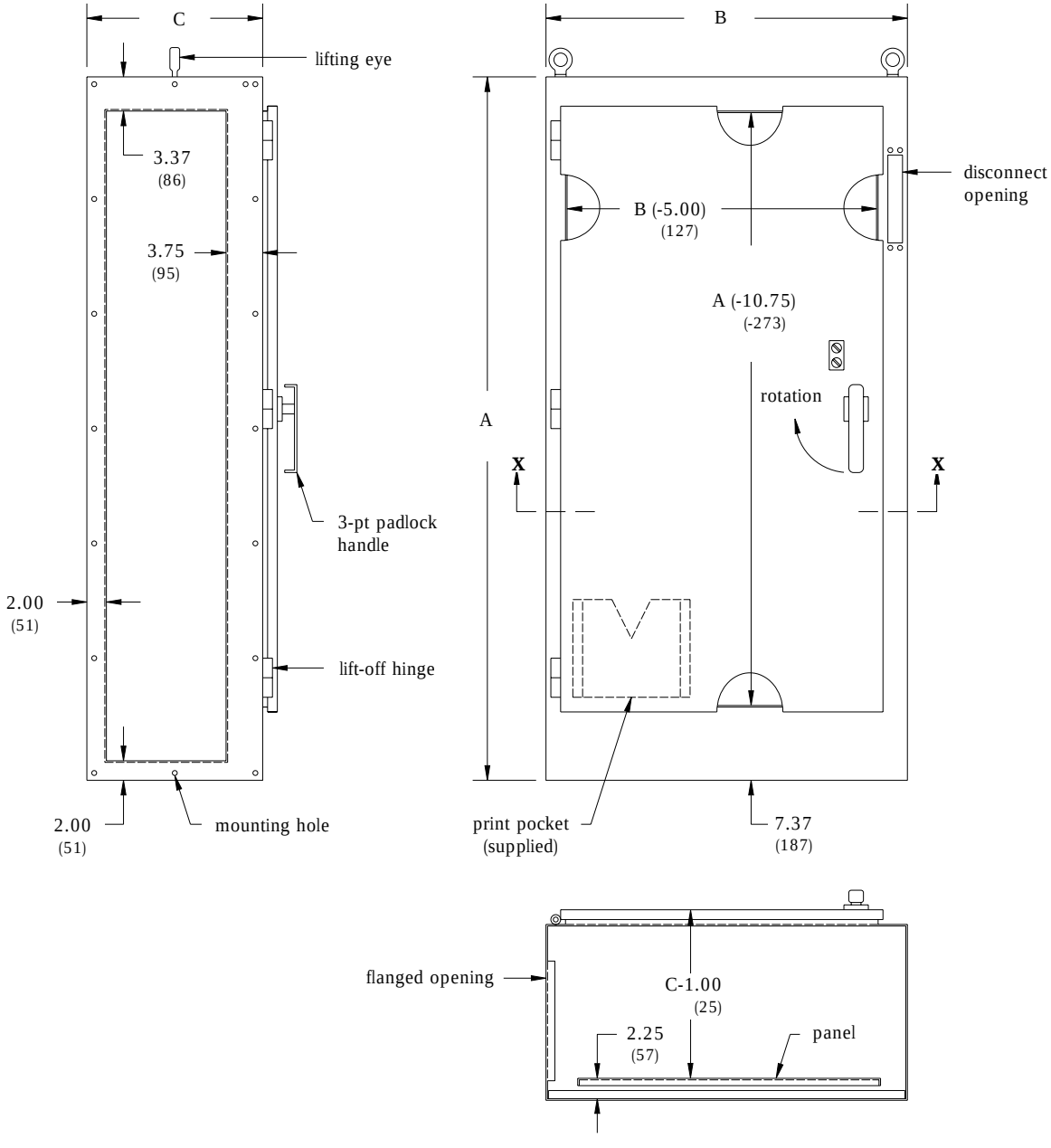
Section X-X

Notes: Four lifting eyes are furnished when C dimension is 24.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Single-Door Modular Flange-Mount Disconnect Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
MFD723918-12FS	72.00x39.75x18.00	1829x1010x457	60.00x33.75	1524x857
MFD843918-12FS	84.00x39.75x18.00	2134x1010x457	72.00x33.75	1829x857
MFD843924-12FS	84.00x39.75x24.00	2134x1010x610	72.00x33.75	1829x857



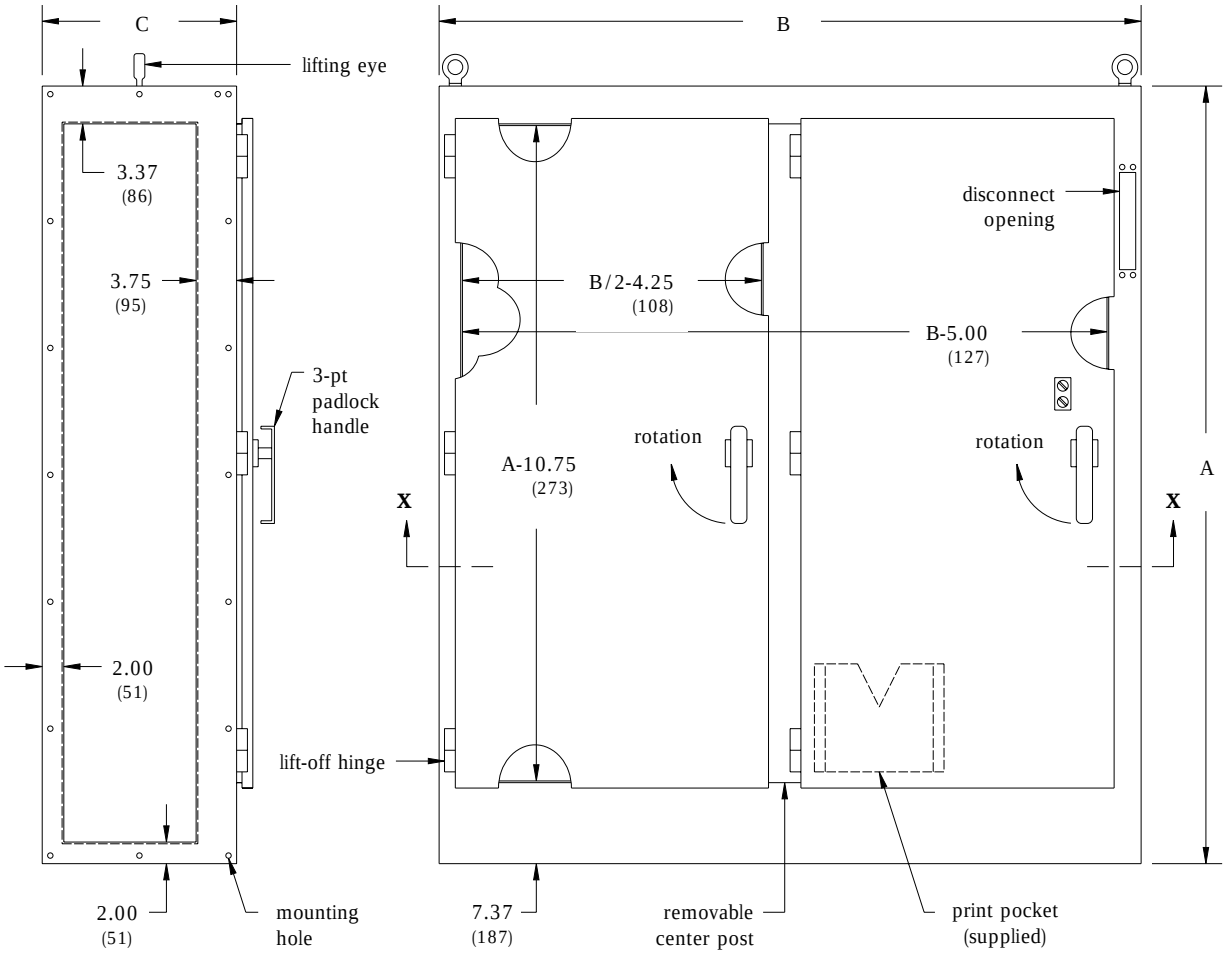
Section X-X

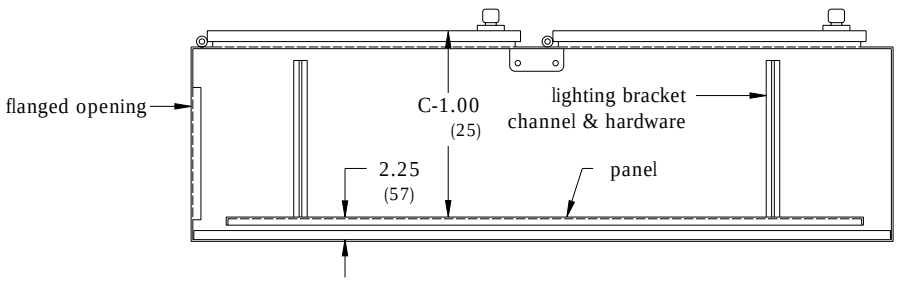
Notes: Four lifting eyes are furnished when C dimension is 24.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Double-Door Modular Flange-Mount Disconnect Enclosures

Catalog Number

Enclosure	Enclosure Size		Panel Size	
	Height Width Depth A x B x C		Height x Width	
Catalog Number	in.	mm	in.	mm
MFD727818-12FS	72.00x78.00x18.00	1829x1981x457	60.00x72.00	1524x1829
MFD847818-12FS	84.00x78.00x18.00	2134x1981x457	72.00x72.00	1829x1829
MFD847824-12FS	84.00x78.00x24.00	2134x1981x610	72.00x72.00	1829x1829





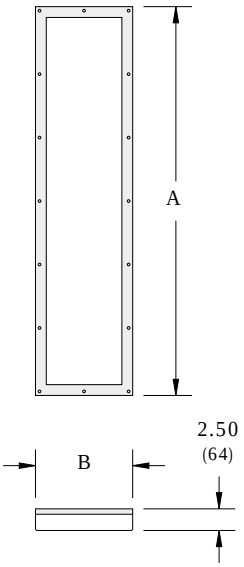
Section X-X

Notes: Four lifting eyes are furnished when C dimension is 24.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Accessories

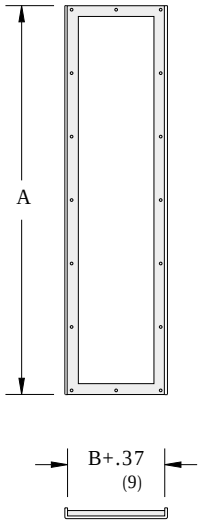
Catalog Number

Modular Accessories								
	Size				Fits Enclosure			
	A		B		H x D			
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm
End Plate								
M7218-12FEK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FEK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FEK	84.00	2134	24.00	610	84.00	2134	24.00	610
Flat End Plate/Barrier								
M7218-12FBK	72.00	1829	18.25	464	72.00	1829	18.00	457
M8418-12FBK	84.00	2134	18.25	464	84.00	2134	18.00	457
M8424-12FBK	84.00	2134	24.25	464	84.00	2134	24.00	610
Gasket Kit								
M7218-12FGK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FGK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FGK	84.00	2134	24.00	610	84.00	2134	24.00	610



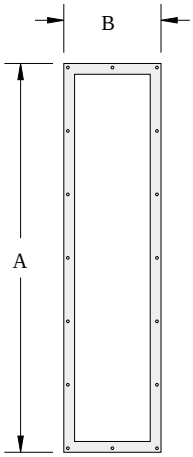
End Plate

Formed end plate and gasket used to seal open end of Modular enclosure.
Includes: End Plate, Gasket & Hardware.



Flat End Plate

Flat end plate and gasket used to seal open end of Modular enclosure. Also can serve as a barrier when additional gasket is used.
Includes: Flat End Plate, Gasket & Hardware



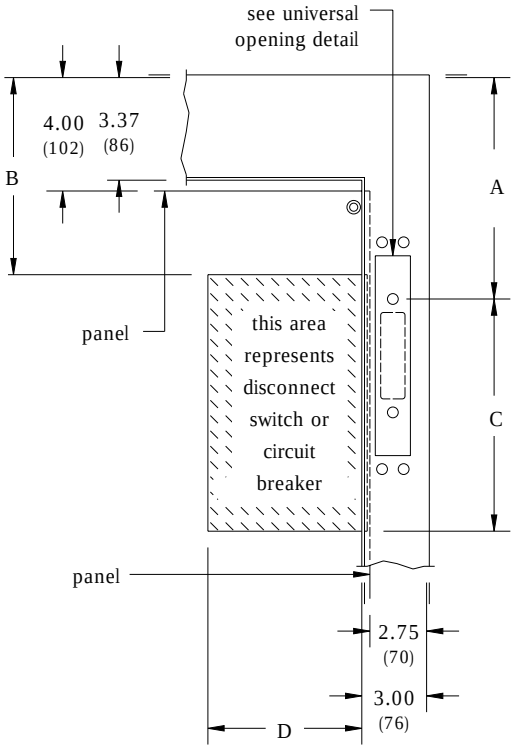
Gasket Kit

Pre-cut and pre-punched high density poron gasket is required for sealing barrier to additional modular enclosures when ganging.
Includes: Gasket & Hardware.

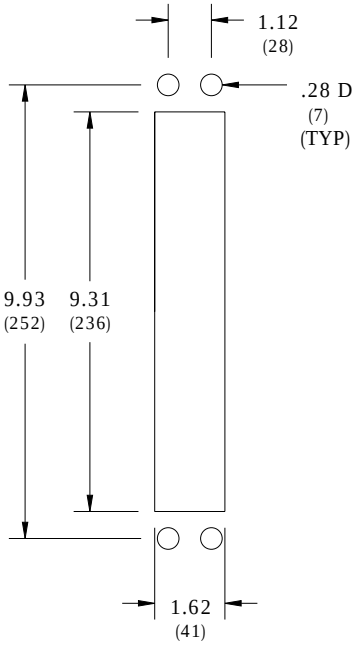
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Detail Sheet



Flange Mounting



Universal Opening Detail

The dimensional information provided in this drawing is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 331).

Important Note

When ordering modular enclosure systems, be sure to include all the necessary components.

1. Disconnect master or slave enclosure
2. Gasket kits and/or end plates (see page 213)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 331)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 215-224.

Notes: Refer to disconnect table for associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Allen-Bradley®

1949V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height											
					72				84							
					A		B		A		B		C		D[1]	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	7.87	200	6.00	152	13.73	349	11.50	292	4.00	102	6.75	171
DS30	30A	(non)	(non)	-	11.87	301	10.00	254	17.37	441	15.50	394	4.00	102	6.75	171
DS30	30A	30A	250V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	5.25	133	6.75	171
DS30	30A	30A	600V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	8.00	203	6.75	171
DS30	30A	30A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	5.25	133	6.75	171
DS30	30A	60A	250V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	6.00	152	6.75	171
DS30	30A	60A	600V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	8.50	216	6.75	171
DS30	30A	60A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	5.50	140	6.75	171
DS60	60A	(non)	(non)	-	11.87	301	9.87	251	17.37	441	15.37	394	4.00	102	6.75	171
DS60	60A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	394	8.00	203	6.75	171
DS60	60A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	394	6.00	152	6.75	171
DS60	60A	60A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	394	8.50	216	6.75	171
DS60	60A	60A	600V	J	11.87	301	9.87	251	17.37	441	15.37	394	5.50	140	6.75	171
DS60	60A	100A	250V	H,K	11.87	301	9.87	251	17.37	441	15.37	394	8.50	216	6.75	171
DS60	60A	100A	600V	H,K	11.87	301	9.87	251	17.37	441	15.37	394	10.50	267	6.75	171
DS60	60A	100A	600V	J	11.87	301	9.87	251	17.37	441	15.37	394	7.25	184	6.75	171
DS100	100A	(non)	(non)	-	11.87	301	8.37	251	17.37	441	13.87	352	4.75	121	8.00	203
DS100	100A	100A	250V	H,K,R	11.87	301	8.37	251	17.37	441	13.87	352	10.50	267	8.00	203
DS100	100A	100A	600V	H,K,R	11.87	301	8.37	251	17.37	441	13.87	352	12.50	318	8.00	203
DS100	100A	100A	600V	J	11.87	301	8.37	251	17.37	441	13.87	352	9.25	235	8.00	203
DS100	100A	200A	250V	H,K	11.87	301	8.37	251	17.37	441	13.87	352	11.25	286	8.00	203
DS100	100A	200A	600V	H,K	11.87	301	8.37	251	17.37	441	13.87	352	13.75	349	8.00	203
DS100	100A	200A	600V	J	11.87	301	8.37	251	17.37	441	13.87	352	10.00	254	8.00	203
DS200	200A	(non)	(non)	-	10.43	265	6.00	102	15.93	405	11.50	292	10.00	254	11.00	279
DS200	200A	200A	250V	H,K,R	10.43	265	6.00	102	15.93	405	11.50	292	15.00	381	11.00	279
DS200	200A	200A	600V	H,K,R	10.43	265	6.00	102	15.93	405	11.50	292	17.25	438	11.00	279
DS200	200A	200A	600V	J	10.43	265	6.00	102	15.93	405	11.50	292	13.50	343	11.00	279
DS200	200A	400A	250V	H,K	10.43	265	6.00	102	15.93	405	11.50	292	15.75	400	11.00	279
DS200	200A	400A	600V	H,K	10.43	265	6.00	102	15.93	405	11.50	292	18.75	476	11.00	279
DS200	200A	400A	600V	J	10.43	265	6.00	102	15.93	405	11.50	292	14.25	362	11.00	279
DS400	400A	(non)	(non)	-	*	*	*	*	15.93	405	9.62	244	10.75	273	11.00	279
DS400	400A	400A	250V	H,K,R	*	*	*	*	15.93	405	9.62	244	16.25	413	11.00	279
DS400	400A	400A	600V	H,K,R	*	*	*	*	15.93	405	9.62	244	19.25	489	11.00	279
DS400	400A	400A	600V	J	*	*	*	*	15.93	405	9.62	244	14.75	375	11.00	279

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height											
				72				84							
				A		B		A		B		C		D[1]	
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED, THED, TEC	11.87	301	11.25	286	17.37	441	16.75	425	5.75	146	4.75	121
M40	150A	Westinghouse	F (series C)	11.87	301	11.25	286	17.37	441	16.75	425	5.00	127	4.75	121
M50	250A	Westinghouse	J (series C)	11.87	301	10.87	276	17.37	441	16.37	416	9.75	248	5.00	127
M60	400A	Westinghouse	K (series C)	11.87	301	10.62	270	17.37	441	16.12	409	9.75	248	6.25	159

* Do not install disconnects in this height enclosure.

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Allen-Bradley ®

1494V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D(1)	
					72				84							
		Amp	Volt		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N30	30A	(NON)	(NON)	-	9.87	251	9.37	238	15.37	390	14.87	378	4.75	121	6.50	165
NF30	30A	30A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	6.50	165	6.50	165
NF30	30A	30A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	9.25	235	6.50	165
NF30	30A	30A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	6.50	165	6.50	165
NF30	30A	60A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	7.25	184	6.50	165
NF30	30A	60A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	9.75	248	6.50	165
NF30	30A	60A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	6.75	171	6.50	165
N60	60A	(NON)	(NON)	-	9.87	251	8.62	238	15.37	390	14.12	378	4.75	121	6.50	165
NF60	60A	30A	600V	H,K,R	9.87	251	8.62	238	15.37	390	14.12	378	10.50	267	6.50	165
NF60	60A	60A	250V	H,K,R	9.87	251	8.62	238	15.37	390	14.12	378	8.50	216	6.50	165
NF60	60A	60A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	378	11.00	279	6.50	165
NF60	60A	60A	600V	J	9.87	251	8.62	219	15.37	390	14.12	378	7.75	197	6.50	165
NF60	60A	100A	250V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	378	11.00	279	6.50	165
NF60	60A	100A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	378	13.00	330	6.50	165
NF60	60A	100A	600V	J	9.87	251	8.62	219	15.37	390	14.12	378	9.75	248	6.50	165
N100	100A	(NON)	(NON)	-	9.87	251	6.75	171	15.37	390	12.25	311	4.75	121	7.25	184
NF100	100A	100A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	11.50	292	7.50	191
NF100	100A	100A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	13.50	343	7.50	191
NF100	100A	100A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	10.25	260	7.50	191
NF100	100A	200A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	12.25	311	7.75	197
NF100	100A	200A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	14.75	375	7.75	197
NF100	100A	200A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	11.00	279	7.75	197
N200	200A	(NON)	(NON)	-	8.56	217	5.12	130	14.06	357	10.62	270	7.25	184	10.50	267
NF200	200A	200A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	15.00	381	10.50	267
NF200	200A	200A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.50	445	10.50	267
NF200	200A	200A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	13.75	349	10.50	267
NF200	200A	400A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	16.50	419	11.00	279
NF200	200A	400A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	19.50	495	11.00	279
NF200	200A	400A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	15.00	381	11.00	279

1494D Disconnect Mechanism

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D(1)	
				72				84							
		Manufacturer	Frame(s)	A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N4/N40	150A	General Electric	TED, THED, TEC	9.87	251	9.25	235	15.37	390	14.75	375	5.87	149	4.62	117
N5/N55	225A	General Electric	TFK, THFK, TFC	9.87	251	8.50	216	15.37	390	14.00	356	8.87	225	4.75	121
N4/N40	150A	Westinghouse	F (series C)	9.87	251	9.25	235	15.37	390	14.75	375	5.87	149	4.62	117
N5/N50	250A	Westinghouse	J (series C)	9.87	251	8.50	216	15.37	390	14.00	356	8.87	225	4.75	121

(1) Dimension "D" does not include space for auxiliary switches.

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Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Culter-Hammer®

C361 Disconnect Mechanism

Cutler-Hammer Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height 72								C		D	
					A		B		A		B					
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in	mm	in.	mm
NC	30A	(non)	(non)	-	11.87	301	10.50	267	17.37	441	16.00	406	4.75	121	6.25	159
SC21	30A	30A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	7.75	197	6.25	159
SC61	30A	30A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	7.75	197	6.25	159
SC61	30A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	8.25	210	6.25	159
ND	60A	(non)	(non)	-	11.87	301	10.50	267	17.37	441	16.00	406	4.75	121	6.25	159
SD22	60A	30A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	7.75	197	6.25	159
SD22	60A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	8.25	210	6.25	159
SD62	60A	60A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	8.25	210	6.25	159
SD62	60A	60A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	8.00	203	6.25	159
NE	100A	(non)	(non)	-	11.87	301	10.12	257	17.37	441	15.62	397	4.25	108	7.50	191
SE263	100A	100A	250V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	9.00	229	7.50	191
SE263	100A	100A	600V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	9.00	229	7.50	191
SE263	100A	100A	600V	J	11.87	301	10.12	257	17.37	441	15.62	397	7.75	197	7.50	191
NF	200A	(non)	(non)	-	11.87	301	8.12	206	17.37	441	13.62	346	13.25	337	10.25	260
SF264	200A	200A	250V	H,K,R	11.87	301	8.12	206	17.37	441	13.62	346	13.25	337	10.25	260
SF264	200A	200A	600V	H,K,R	11.87	301	8.12	206	17.37	441	13.62	346	13.25	337	10.25	260

C371 Disconnect Mechanism

Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height 72								C		D	
				A		B		A		B					
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C371E	150A	Cutler-Hammer	HMCP,FS,FH	11.87	301	11.62	295	17.37	441	17.12	435	6.00	152	5.75	146
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.87	301	11.50	292	17.37	441	17.00	432	11.00	279	8.25	210
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	11.87	301	11.00	279	17.37	441	16.50	419	9.75	248	8.25	210
C371G (2)	600A	Cutler-Hammer	LS,LH	11.87	301	9.37	238	17.37	441	14.87	378	8.50	216	12.00	305
C371K (3)	800A	Cutler-Hammer	MS,MH	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305
C371K (3)	1200A	Cutler-Hammer	NS,NH	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305
C371E	150A	Westinghouse	F(series C)	11.87	301	11.62	295	17.37	441	17.12	435	6.00	152	5.75	146
C371F (1)	250A	Westinghouse	J(series C)	11.87	301	11.50	292	17.37	441	17.00	432	9.00	229	8.25	210
C371F (1)	400A	Westinghouse	K(series C)	11.87	301	11.00	279	17.37	441	16.50	419	9.75	248	8.25	210
C371G (2)	600A	Westinghouse	LA,LC	11.87	301	9.37	238	17.37	441	14.87	378	8.50	216	12.00	305
C371K (3)	800A	Westinghouse	MC	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305
C371K (3)(4)	1200A	Westinghouse	NC	*	*	*	*	17.37	441	11.37	289	10.25	260	12.00	305

* Do not install disconnects in this height enclosure.

(1) Wire bending space “B” does not allow the use of cable larger than 300 MCM in 72H enclosures.
(2) Wire bending space “B” does not allow the use of cable larger than 250 MCM in 72H enclosures.
(3) Wire bending space “B” does not allow the use of cable larger than 300 MCM in 84H enclosures.
(4) Wire bending space “B” does not allow the use of Westinghouse terminals TA1201NB1 in 84H enclosures.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

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Type 12 Free-Standing Modular Enclosure Disconnects

General Electric®

TDA Disconnect Mechanism

General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D	
					72				84							
					A		B		A		B					
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	30A	(non)	(non)	-	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.50	140
TDOM1A	30A	30A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.50	140
TDOM1B	30A	30A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	30A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	30A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1A	60A	(non)	(non)	-	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.50	140
TDOM1B	60A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	60A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	60A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	60A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1A	100A	(non)	(non)	-	11.87	301	12.37	314	17.37	441	17.87	454	7.00	178	5.5	140
TDOM1B	100A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	100A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	100A	200A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM1B	100A	200A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	11.50	292	5.50	140
TDOM2	200A	(non)	(non)	-	11.87	301	9.75	248	17.37	441	15.25	387	7.00	178	9.25	235
TDOM2	200A	200A	250V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	15.50	394	9.25	235
TDOM2	200A	200A	600V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	15.50	394	9.25	235

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		D	
			72				84							
			A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB, TEC, TED, THED	11.87	301	11.25	286	17.37	441	16.75	425	7.00	178	5.50	140
TDOM1B	150A	TB1, TEC, TECL	11.87	301	11.25	286	17.37	441	16.75	425	11.50	292	5.50	140
TDOM1C	150A	TEL	11.87	301	11.25	286	17.37	441	16.75	425	7.00	178	5.50	140
TDOM1D	150A	THCL1	11.87	301	9.87	251	17.37	441	15.37	390	7.00	178	5.50	140
TDOM3	225A	TFJ, TFK, THFK, TFL	11.87	301	10.87	276	17.37	441	16.37	416	10.50	267	6.00	152
TDOM4	400A	TJJ, TJK4, THJK4, TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	8.25	210	9.50	241
TDOM4	600A	TJK6, THJK6, TJ4V, TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	8.25	210	9.50	241
TDOM5	400A	TB4, TJH6S	11.87	301	10.00	254	17.37	441	15.50	394	14.25	362	9.50	241
TDOM6	225A	TLB2, THLC2	*	*	*	*	17.37	441	14.87	378	11.75	298	9.50	241
TDOM6	400A	TLB4, THLC4	*	*	*	*	17.37	441	13.50	343	11.75	298	9.50	241
TDOM7	600A	TB6	*	*	*	*	17.37	441	11.75	298	18.25	464	9.50	241
TDOM7	800A	TB8	*	*	*	*	17.37	441	11.75	298	18.25	464	9.50	241

* Do not install disconnects in this height enclosure.

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Notes: Refer to detail sheet for drawing information and associated dimensions.
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Type 12 Free-Standing Modular Enclosure Disconnects

I-T-E Siemens®

MAX-FLEX Disconnects

Encl. Depth	Cable Length	I-T-E Siemens Mechanism for Circuit Breakers	Circuit Breaker Frame	Amp	Device Height		Enclosure Height A				C						D			
							72		84		nom		min		max		min		max	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
18	36	FHOE036	ED	125A	6.37	162	11.87	301	17.37	441	5.37	136	-2.75	-70	13.50	343	3.00	76	9.75	248
	36	FHOE036	CED	125A	9.62	244	11.87	301	17.37	441	8.50	216	.06	15	16.87	428	3.00	76	9.75	248
	36	FHOF036	FD	250A	9.50	241	11.87	301	17.37	441	5.62	143	2.43	62	13.87	352	4.50	114	8.50	216
	36	FHOF036	CFD	250A	14.12	359	11.87	301	17.37	441	10.25	260	7.25	184	18.62	473	4.50	114	8.50	216
	36	FHOJ036	JD,LD	400A,600A	11.00	279	11.87	301	17.37	441	5.25	133	-2.87	-73	13.43	341	7.50	191	10.12	257
18	36	FHOJ036	CJD	400A,600A	17.87	454	11.87	301	17.37	441	12.12	308	4.12	105	20.37	517	7.50	114	10.12	257
	48	*	ED	125A	6.37	162	11.87	301	17.37	441	5.37	136	-15.37	-390	26.25	667	3.00	76	24.43	621
	48	*	CED	125A	9.62	244	11.87	301	17.37	441	8.50	216	-12.00	-305	26.50	673	4.50	114	24.43	621
	48	*	FD	250A	9.50	241	11.87	301	17.37	441	5.62	143	-12.15	-309	26.50	673	4.50	114	23.00	584
	48	*	CFD	250A	14.12	359	11.87	301	17.37	441	10.25	260	-10.25	-260	30.37	771	4.50	114	23.00	584
	48	*	JD,LD	400A,600A	11.00	279	11.87	301	17.37	441	5.25	133	-15.43	-392	26.12	663	7.50	191	24.50	622
	48	*	CJD	400A,600A	17.87	454	11.87	301	17.37	441	12.12	308	-8.50	-216	33.00	838	7.50	191	24.50	622
	48	FHON048	MD,ND	800A,1200A	16.00	406	11.87	301	17.37	441	8.12	206	-5.12	-130	21.43	544	9.00	229	20.50	521
24	48	*	ED	125A	6.37	162	11.87	301	17.37	441	5.37	136	-13.37	-340	23.25	591	3.00	76	20.62	524
	48	*	CED	125A	9.62	244	11.87	301	17.37	441	8.50	216	-10.00	-254	26.50	673	3.00	76	20.62	254
	48	*	FD	250A	9.50	241	11.87	301	17.37	441	5.62	143	-13.00	-330	23.50	597	4.50	114	19.37	492
	48	*	CFD	250A	14.12	359	11.87	301	17.37	441	10.25	260	-8.25	-210	28.37	721	4.50	114	19.37	492
	48	*	JD,LD	400A,600A	11.00	279	11.87	301	17.37	441	5.25	133	-13.43	-343	23.12	587	7.50	191	20.93	532
	48	*	CJD	400A,600A	17.87	454	11.87	301	17.37	441	12.12	308	-6.50	-165	30.00	762	7.50	191	20.93	532
	48	FHON048	MD,ND	800A,1200A	16.00	406	11.87	301	17.37	441	8.12	206	-3.12	-79	19.93	506	9.00	229	20.50	521

MAX-FLEX Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Type
FHOE036	36	ED2 ,ED4, ED6, HED4, HED6, ED6ETI
FHOE036	36	CED6, CED6ETI
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI
FHOF036	36	CFD6, CFD6ETI
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6, LXD6, HLD6, LXD6ETI, SHJD6, SLD6, SHLD6
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI, SCJD6, SCLD6
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6, CND6, SND6, SCND6

* Non-standard mechanism with 48 inch operating cable must be specified.
(1) Flexible operating cable allows disconnect to be mounted within minimum and maximum of “C” dimension when “D” is minimum.
(2) Flexible operating cable allows disconnect to be mounted within minimum and maximum of “D” dimension when “C” is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Square D®

9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height											
					72				84							
					A		B		A		B		C		D	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	-	11.87	301	11.75	298	17.37	441	17.18	436	3.25	83	7.25	1842
RC-2	30A	30A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	5.00	127	7.25	1842
RC-3	30A	30A	600V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	8.00	203	7.25	1842
RC-3	30A	30A	600V	J	11.87	301	11.75	298	17.37	441	17.18	436	5.00	127	7.25	1842
RC-3	30A	60A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	6.00	152	7.25	1842
TC-1	30A	(non)	(non)	-	11.87	301	9.87	251	17.37	441	15.37	390	5.75	146	6.25	159
TC-2	30A	30A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	5.75	146	6.25	159
TC-3	30A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	7.75	197	6.25	159
TC-3	30A	30A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	5.75	146	6.25	159
TC-3	30A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	6.00	152	6.25	159
TD-1	60A	(non)	(non)	-	11.87	301	10.75	273	17.37	441	16.25	413	6.50	165	6.75	171
TD-2	60A	30A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	8.50	216	6.75	171
TD-2	60A	60A	250V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	6.50	165	6.75	171
TD-3	60A	60A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	9.00	229	6.75	171
TD-3	60A	60A	600V	J	11.87	301	10.75	273	17.37	441	16.25	413	6.50	165	6.75	171
TE-1	100A	(non)	(non)	-	11.87	301	10.50	267	17.37	441	16.00	406	4.75	257	8.50	216
TE-2	100A	100A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	7.50	191	8.50	216
TE-2	100A	100A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	9.50	241	8.50	216
TE-2	100A	100A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	6.25	159	8.50	216
TE-3	100A	200A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	13.75	349	8.50	216
TF-1	200A	(non)	(non)	-	11.87	301	9.12	232	17.37	441	14.62	371	5.50	140	11.75	298
TF-2	200A	200A	250V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	11.50	62	11.75	298
TF-2	200A	200A	600V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	14.00	356	11.75	298
TF-2	200A	200A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	10.25	260	11.75	298
TF-3	200A	400A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	14.50	368	11.75	298

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height											
			72				84							
			A		B		A		B		C		D	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL, FHL, FCL	7.87	200	6.87	174	17.37	441	16.37	416	5.25	133	5.50	140
RP-1	250A	KAL, KHL, KCL	7.87	200	6.62	168	17.37	441	17.12	435	7.25	184	5.75	146
RR-1	400A	LAL, LHL, Q4L	*	*	*	*	17.37	441	12.75	324	7.75	197	9.00	229
RR-2	400A	ILL	*	*	*	*	17.37	441	17.12	435	11.00	279	15.75	400
RT-1	800A	MEL	*	*	*	*	17.37	441	12.62	321	9.25	235	12.00	305
RT-1	1000A	MAL, MHL	*	*	*	*	17.37	441	12.62	321	9.25	235	12.00	305

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulation, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D Pivot Width			
					72				84						variable		fixed	
		Amp	Volt		A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS16U	30A	(non)	(non)	-	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS121R	30A	30A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS161U	30A	30A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS122	30A	60A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS162	30A	60A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS26U	60A	(non)	(non)	-	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS222R	60A	60A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS262R	60A	60A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS263	60A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS263	60A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS36U	100A	(non)	(non)	-	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS363R	100A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	10.25	260	9.00	229	7.00	178
DS363R	100A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	12.25	311	9.00	229	7.00	178
DS364 (1)	100A	200A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS364 (1)	100A	200A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	5.25	133	9.00	229	7.00	178
DS46U	200A	(non)	(non)	-	13.12	333	11.00	279	18.62	473	16.50	419	6.00	152	12.00	305	10.00	254
DS464R	200A	200A	250V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	14.00	356	12.00	305	10.00	254
DS464R	200A	200A	600V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	15.25	387	12.00	35	10.00	254
DS464R	200A	200A	600V	J	13.12	333	11.00	279	18.62	473	16.50	419	14.00	356	12.00	305	10.00	254
DS465 (1)	200A	400A	250V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	6.00	152	12.00	305	10.00	254
DS465 (1)	200A	400A	600V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	6.00	152	12.00	305	10.00	254

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		D Pivot Width			
			72				84						variable		fixed	
			A		B		A		B							
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
EB	100A	EB	13.12	333	12.37	314	18.62	473	17.87	454	5.50	140	9.25	235	7.25	184
FB Tri-Pac	100A	FB Tri-Pac	13.12	333	12.37	314	18.62	473	17.87	454	8.25	210	9.25	235	7.25	184
MCP	150A	MCP (0-4) current limiting	13.12	333	12.37	314	18.62	473	17.87	454	8.25	210	9.25	235	7.25	184
F Frame	150A	F (series C)	13.12	333	12.37	314	18.62	473	17.87	454	5.50	140	9.25	235	7.25	184
J Frame	250A	J (series C)	13.12	333	9.50	241	18.62	473	15.00	381	6.75	36	9.25	235	-	-
K Frame	400A	K (series C)	13.12	333	9.00	229	18.62	473	14.50	368	8.25	210	9.25	235	-	-
LA Tri-Pac	400A	LA Tri-Pac	*	*	*	*	18.62	473	16.50	419	14.25	362	12.00	305	-	-
LA, LC	600A	LA, LAB, HLA, LC, HLC	13.12	333	11.00	279	18.62	473	16.50	419	9.00	229	12.00	305	-	-
MC	800A	MC, HMC	*	*	*	*	18.62	473	12.87	327	10.50	267	12.00	305	-	-
NB Tri-Pac	800A	NB Tri-Pac	*	*	*	*	18.62	473	12.87	327	10.50	267	12.00	305	-	-
NB, NC	1200A	NB, HNB, NC, HNC	*	*	*	*	18.62	473	12.87	327	10.50	267	12.00	305	-	-

* Do not install disconnects in this height enclosure.

(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulation, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Westinghouse

SM Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating / Switch Type	Fuse Class	Enclosure Height 72 A		72 B		84 A		84 B		C		D	
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SM100R	30A	De-ion Switch	-	11.31	287	11.25	286	16.81	427	16.75	425	6.62	168	4.75	121
SM100R	60A	De-ion Switch	-	11.31	287	11.25	286	16.81	427	16.75	425	6.62	168	4.75	121
SM100R	100A	De-ion Switch	-	11.31	287	9.75	248	16.81	427	15.25	387	6.62	168	5.25	121
SM100SFR	30A	DS121R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	7.00	178	5.50	140
SM100SFR	30A	DS122	H,R	11.31	287	11.50	292	16.81	427	17.00	432	7.87	200	5.50	140
SM100SFR	60A	DS222R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	7.87	200	5.50	140
SM100SFR	30A	DS161R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.00	254	5.50	140
SM100SFR	30A	DS161R	J	11.31	287	11.50	292	16.81	427	17.00	432	7.25	184	5.50	140
SM100SFR	60A	DS262H	J	11.31	287	11.50	292	16.81	427	17.00	432	7.25	184	5.50	140
SM100SFR	30A	DS162	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.37	263	5.50	140
SM100SFR	60A	DS262R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.37	263	5.50	140
SM100SFR	100A	DS363R(250V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	10.25	260	5.50	140
SM100SFR	100A	DS363R(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	12.12	308	5.50	140
SM100SFR	60A	DS263(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	12.12	308	5.50	140
SM100SFR	100A	DS363R	J	11.31	287	11.50	292	16.81	427	17.00	432	8.87	225	5.50	140
SM150R	30A	DS16U Switch	-	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM150R	60A	DS26U Switch	-	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM150R (1)	100A	DS36U Switch	-	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM150R (1)	100A	DS364	H,R	11.31	287	11.50	292	16.81	427	17.00	432	5.12	130	5.50	140
SM200SR (1)	200A	DS46U Switch	-	10.87	276	9.00	229	16.37	416	14.50	368	7.37	187	6.75	171
SM200SR (1)	200A	DS465 Switch	H,R	10.87	276	9.00	229	16.37	416	14.50	368	7.37	187	6.75	171
SM200SFR	200A	DS464R	H,R	10.87	276	9.00	229	16.37	416	14.50	368	15.25	387	6.75	171

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height 72 A		72 B		84 A		84 B		C		D	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SM150R	100A	EB	11.31	287	10.50	267	16.81	427	16.00	406	5.12	130	5.50	140
SM101PR	100A	FB Tri-Pac	11.31	287	10.50	267	16.81	427	16.00	406	8.00	203	5.50	140
SM101PR	150A	MCP (0-4) current limiting	11.31	287	10.50	267	16.81	427	16.00	406	8.00	203	5.50	140
SM150R	150A	F (series C)	11.31	287	10.50	267	16.81	427	16.00	406	8.00	203	5.50	140
SM250JR	250A	J (series C)	10.87	276	8.00	203	16.37	416	13.50	343	8.50	216	7.50	191
SM400KR	400A	K (series C)	10.87	276	7.62	194	16.37	416	13.12	333	9.12	232	7.50	191
SM400PR	400A	LA Tri-Pac	10.87	276	7.75	197	16.37	416	13.25	337	14.50	368	9.75	248
SM400R	600A	LA, LAB, HLA, LC, HLC	10.87	276	7.75	197	16.37	416	13.25	337	9.25	50	9.75	248
SM400R	600A	LA, LAB, HLA, LC, HLC	10.87	276	7.75	197	16.37	416	13.25	337	9.25	50	9.75	248
SM800R	800A	MC, HMCL	*	*	*	*	16.37	416	9.62	244	10.75	581	9.75	248
SM400PR	800A	NB, Tri-Pac	*	*	*	*	16.37	416	9.62	244	16.87	428	9.75	248
SM1200R	1200A	NB, HNB, NC, HNC	*	*	*	*	16.37	416	9.62	244	10.75	581	9.75	248

* Do not install disconnects in this height enclosure.

(1) Dimensions "C" and "D" on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulation, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Free-Standing Modular Enclosure Disconnects

Allen-Bradley

Standard enclosures designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse block kit, (if required)
5. Fuse clip kit, (if required)
6. Line and load connectors, (if necessary)
7. Connecting rod

Allen-Bradley 1494V circuit breaker:

1. Circuit breaker (General Electric, Westinghouse)
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Connecting rod

Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley 1494F disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse block kit, (if required)
5. Fuse clip kit, (if required)
6. Line and load connectors, (if necessary)

Allen-Bradley 1494D circuit breaker:

1. Circuit breaker (General Electric, Westinghouse)
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Slide mechanism

Cutler-Hammer

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer C361 disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse clip kit (if required)
5. Line and load connectors (if necessary)

NOTE: Items 1,2 and 3 can be ordered as an assembly.

Cutler-Hammer C371 circuit breaker:

1. Circuit breaker (Cutler-Hammer, Westinghouse)
2. Operating mechanism
3. Operating handle
4. Line and load connectors (if necessary)

NOTE: Items 2 and 3 can be ordered as an assembly.

General Electric

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1. Disconnect switch, (QMR, QMW)
2. Operating mechanism
3. Operating handle TDA1
4 Fuse clip kit or no-fuse kit, (if required)
5. Line and load connectors, (if necessary)
6. Extended length drive rod, (if required)

NOTE: These items can be ordered as an assembly.

General Electric TDA circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle TDA1
4. Line and load connectors, (if necessary)
5. Extended length drive rod, (if required)

I-T-E Siemens

Standard enclosures designed to accept MAX-FLEX type FHO.

I-T-E MAX-FLEX circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Operating cable

NOTE: Items 2,3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch deep enclosures require a 48 inch long cable.

Square D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse clip kit, (if required)
5. Line and load connectors, (if necessary)
6. Connecting rod

Square D 9422 circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)
5. Connecting rod

Type 12 Free-Standing Modular Enclosure Disconnects

Disconnect Ordering Information

Westinghouse

Standard enclosures designed to accept below handle type AMT.

Westinghouse AMT disconnect switch:

1. Disconnect switch
2. Pivot mechanism assembly for below handle mounting
3. Backplate and yoke assembly for below handle mounting
4. Operating handle
5. Fuse block kit, (if required)
6. Fuse clip kit (if required)
7. Line and load connectors, (if necessary)
8. Connecting rod

Westinghouse AMT circuit breaker:

1. Circuit breaker
2. Pivot mechanism assembly for below handle mounting
3. Backplate and yoke assembly for below handle mounting
4. Operating handle
5. Line and load connectors, (if necessary)
6. Fuse clip kit, (if required)
7. Connecting rod

Standard enclosures designed to accept fixed depth type SM.

Westinghouse SM disconnect switch:

1. Disconnect switch
2. Operating mechanism
3. Operating handle
4. Fuse block kit, (if required)
5. Fuse clip kit, (if required)
6. Line and load connectors, (if necessary)

Westinghouse SM circuit breaker:

1. Circuit breaker
2. Operating mechanism
3. Operating handle
4. Line and load connectors, (if necessary)

Important Note

When ordering modular flange-mounted disconnect equipment, be sure to include all necessary components listed below.

1. Enclosure includes the following equipment:
   Enclosure door locking handle and rods
   Door interlocking system
   Interlocking connecting rod
   Adjustable bracket, (see note 4)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used MUST be ordered separately (see page 331)
3. Modular gasket kits and/or end plates (see page 213)
4. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
   Cutler-Hammer C361 device
   Cutler-Hammer C371 E and F devices unless long connecting rod C371CS1 is specified
   Cutler-Hammer C371 G and K devices unless long connecting rod C371CS2 is specified
   General Electric TDA device unless extended length rod TDSR is specified
   Square D 9422 device unless extra long connecting rod 9422-R2 is specified
   Note: Some devices require two rods, consult the device manufacturer (Westinghouse AMT below handle device)
5. Disconnects and related components are available from the manufacturer
6. The disconnect ordering information provided is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

TYPE 12/13 DISCONNECT ENCLOSURES

Flange-Mount Disconnect Enclosures 226
Flange-Mount Enclosure Disconnects 229
Floor-Standing Double-Door Disconnect Enclosures 235
Floor-Standing Double-Door Enclosure Disconnects 240
Heavy-Duty Free-Standing Flange-Mount Disconnect Enclosures 250
Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects 257

B-Line®
SYSTEMS THAT MAKE SENSE
ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 12 Flange-Mount Disconnect Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

- **Designed to house the following:**

1. Allen-Bradley Bulletin 1494V disconnect switches with flange-mounted variable depth operating mechanisms and Bulletin 1494V flange-mounted variable depth operating mechanisms for circuit breakers.
2. Cutler-Hammer/Westinghouse Type C361 flange-mounted variable depth opeating mechanisms with disconnect switches and Type C371 flange-mounted variable depth operating mechanisms for circuit breakers. Also Flex Shaft™ handle mechanisms for circuit breakers.
3. General Electric Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also Spectra Flex™ cable operators for circuit breakers.
4. I-T-E Max-Flex™ flange-mounted variable depth operating handle for disconnect switches and circuit breakers as well as some fixed depth operators for disconnect switches.
5. Square D Class 9422 disconnect switches with flange-mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange-mounted variable depth operating mechanisms or,cable mechanisms for circuit breakers.
6. ABB Controls flange-mounted variable depth operating mechanisms for disconnect switches and circuit breakers.

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Door is secured to the body with a heavy-duty continuous hinge
- Door has an interlock bracket, collar studs and hardware to accept a door closing mechanism
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Formed lip around enclosure opening diverts liquids and contaminants
- Holes are provided on body flange and door for mounting a disconnect operating mechanism, (mechanism not furnished with enclosure -- see manufacturer's table, pages 227-234)
- Enclosures include a properly sized 2-pt latching bar (under 40 inches) or a 3-pt latching bar (40 inches or higher)
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

- Panels
- Touch-up paint
- See Accessories section

Important Note

Latching bar, latching bar bracket interlock, hardware and instruction sheet to locate and install disconnects are furnished with enclosure.

Disconnect switch (or circuit breaker), operating handle, operating mechanism and door closing hardware are not furnished with enclosure, see disconnect ordering information pages 229-234

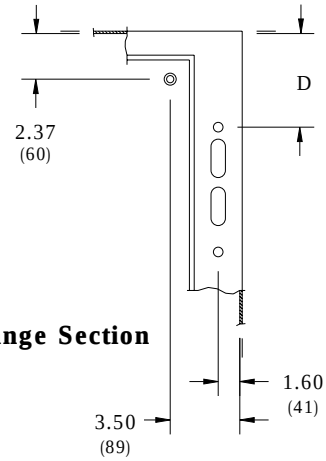
Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Flange-Mount Disconnect Enclosures

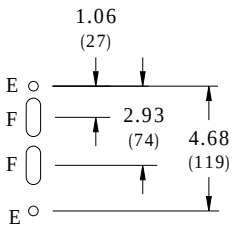
Catalog Number

Enclosure	Enclosure Size Height Width Depth A x B x C		Panel	Panel Size Height x Width	
Catalog Number	in.	mm	Catalog Number	in.	mm
FD20218-12	20.00x21.37x8.00	508x543x203	AW2020P	17.00x17.00	432x432
FD24218-12	24.00x21.37x8.00	610x543x203	AW2420P	20.87x16.87	530x428
FD24258-12	24.00x25.37x8.00	610x644x203	AW2424P	20.87x20.87	530x530
FD30218-12	30.00x21.37x8.00	762x543x203	AW3020P	26.87x16.87	682x428
FD30258-12	30.00x25.37x8.00	762x644x203	AW3024P	26.87x20.87	682x530
FD36258-12	36.00x25.37x8.00	914x644x203	AW3624P	32.87x20.87	835x530
FD36318-12	36.00x31.37x8.00	914x797x203	AW3630P	32.87x26.87	835x682
FD42318-12	42.00x31.37x8.00	1067x797x203	AW4230P	38.87x26.87	987x682
FD42378-12	42.00x37.37x8.00	1067x949x203	AW4236P	38.87x32.87	987x835
FD48378-12	48.00x37.37x8.00	1219x949x203	AW4836P	44.87x32.87	1140x835
FD60378-12	60.00x37.37x8.00	1524x949x203	AW6036P	56.87x32.87	1444x835
FD202110-12	20.00x21.37x10.00	508x543x254	AW2020P	17.00x17.00	432x432
FD242110-12	24.00x21.37x10.00	610x543x254	AW2420P	20.87x16.87	530x428
FD242510-12	24.00x25.37x10.00	610x644x254	AW2424P	20.87x20.87	530x530
FD302110-12	30.00x21.37x10.00	762x543x254	AW3020P	26.87x16.87	682x428
FD302510-12	30.00x25.37x10.00	762x644x254	AW3024P	26.87x20.87	682x530
FD362510-12	36.00x25.37x10.00	914x644x254	AW3624P	32.87x20.87	835x530
FD363110-12	36.00x31.37x10.00	914x797x254	AW3630P	32.87x26.87	835x682
FD423110-12	42.00x31.37x10.00	1067x797x254	AW4230P	38.87x26.87	987x682
FD423710-12	42.00x37.37x10.00	1067x949x254	AW4236P	38.87x32.87	987x835
FD483710-12	48.00x37.37x10.00	1219x949x254	AW4836P	44.87x32.87	1140x835
FD603710-12	60.00x37.37x10.00	1524x949x254	AW6036P	56.87x32.87	1444x835
FD302512-12	30.00x25.37x12.00	762x644x305	AW3024P	26.87x20.87	682x530
FD363112-12	36.00x31.37x12.00	914x797x305	AW3630P	32.87x26.87	835x682
FD423112-12	42.00x31.37x12.00	1067x797x305	AW4230P	38.87x26.87	987x682
FD423712-12	42.00x37.37x12.00	1067x949x305	AW4236P	38.87x32.87	987x835
FD483712-12	48.00x37.37x12.00	1219x949x305	AW4836P	44.87x32.87	1140x835
FD603712-12	60.00x37.37x12.00	1524x949x305	AW6036P	56.87x32.87	1444x835
FD603712A-12*	60.00x37.37x12.00	1524x949x305	AW6036P	56.87x32.87	1444x835
FD363116-12	36.00x31.37x16.00	914x797x406	AW3630P	32.87x26.87	835x682
FD483716-12	48.00x37.37x16.00	1219x949x406	AW4836P	44.87x32.87	1140x835
FD603716-12	60.00x37.37x16.00	1524x949x406	AW6036P	56.87x32.87	1444x835

* The 400 amp and 600 amp Allen-Bradley Bulletin 1494V disconnect switches and I-T-E Siemens 800 amp and 1200 amp circuit breakers will not fit any other enclosure except catalog number FD603712A-12. Enclosures 12 inches and 16 inches deep can be modified to accept I-T-E Siemens 800 amp and 1200 amp circuit breakers. When enclosure "A" dimension is 30, 36, or 42 inches, verify the amount of wire bend space required for both the line and load sides.



Flange Section



Flange Hole Detail

D
(When enclosure depth is:)

8		10		12		16	
in.	mm	in.	mm	in.	mm	in.	mm
4.75	121	7.09	180	11.62	295	11.62	295

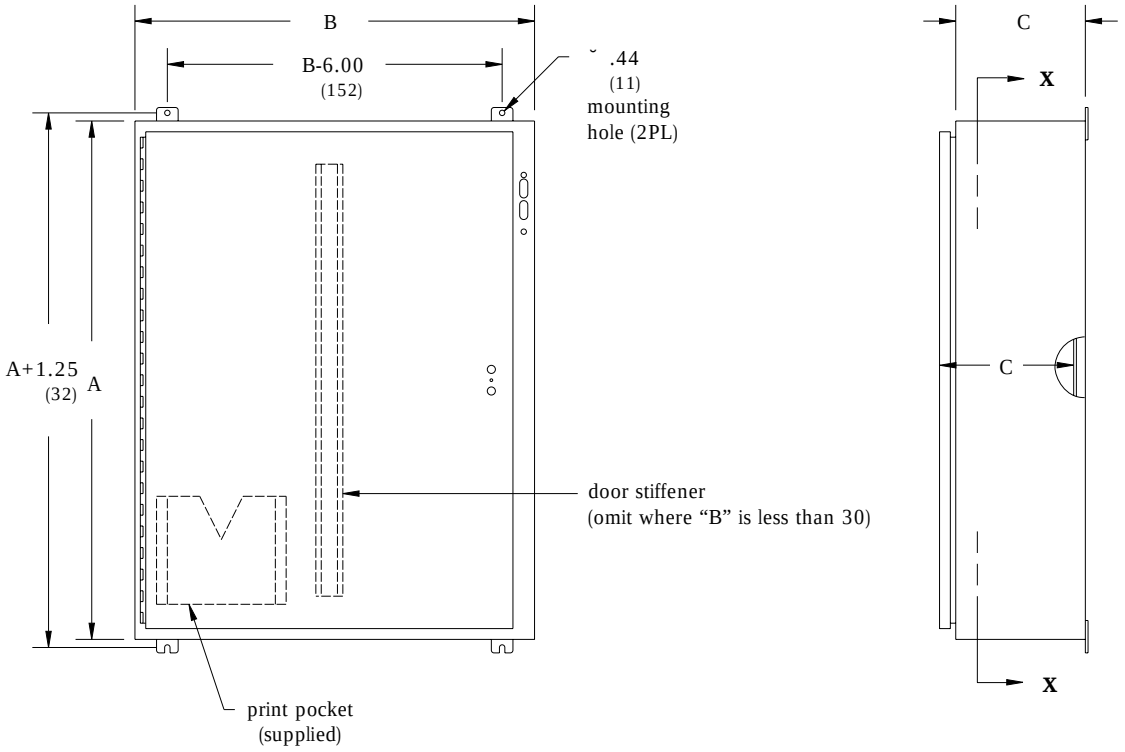
E = .28 (7) Dia. hole
F = .50 x 1.50 (13x38) slot

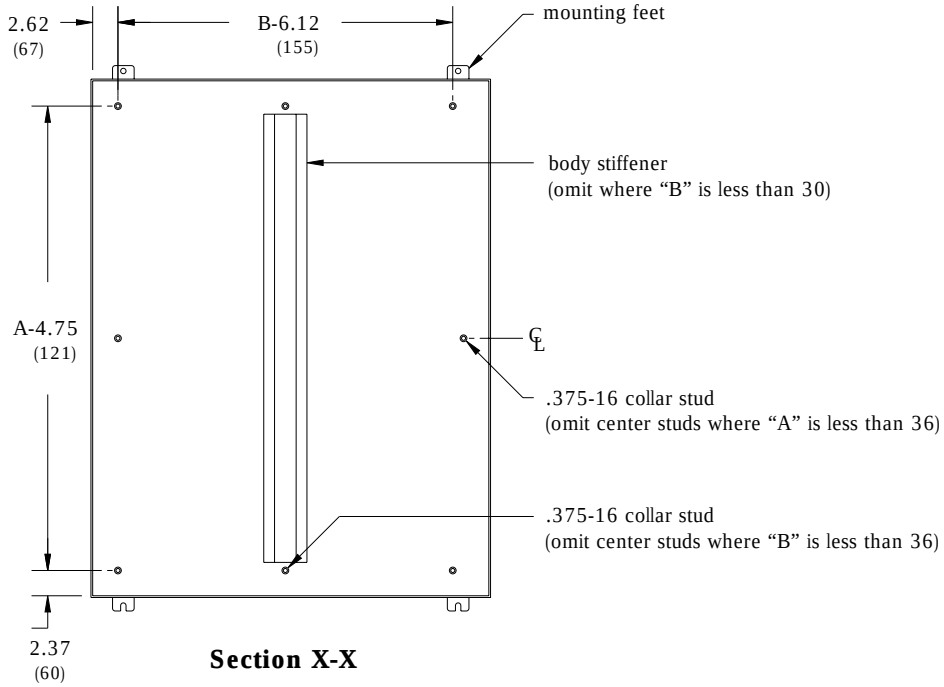
Flange Hole Location Table

Notes: Catalog number FD603712A-12 has a larger cutout in the enclosure flange to accomodate the Allen-Bradley 1494V-H2 and the I-T-E FHOHN operating handles.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Disconnect Enclosures

Illustration Sheet





Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

Allen-Bradley

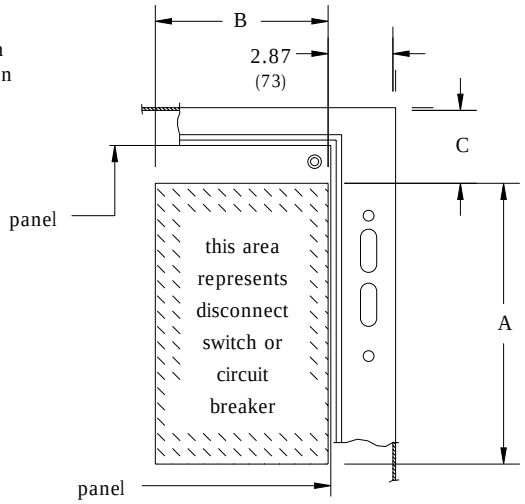
1494V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	5.75	146	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	250V	H,K,R	7.12	181	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	600V	H,K,R	9.87	251	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	600V	J	7.12	181	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	250V	H,K	7.87	200	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	600V	H,K	10.37	263	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	600V	J	7.25	184	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS60	60A	(non)	(non)	--	5.87	149	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	250V	H,K,R	8.00	203	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	600V	H,K,R	10.50	267	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	600V	J	7.37	187	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	30A	600V	H,K,R	10.00	254	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	250V	H,K	10.50	267	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	600V	H,K	12.50	318	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	600V	J	9.25	235	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS100	100A	(non)	(non)	--	8.25	210	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	250V	H,K,R	13.87	352	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	600V	H,K,R	15.87	403	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	600V	J	12.62	321	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	H,K	14.75	375	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	H,K	17.25	438	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	J	13.37	340	7.62	194	*	*	3.62	92	8.12	206	8.12	206

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		A		B		C (when enclosure depth is:) 8		10		12		16	
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED, THED, TEC	6.12	155	4.25	108	4.25	108	6.62	168	11.12	282	11.12	282
M40	150A	Westinghouse	F (series C)	5.50	140	4.25	108	4.25	108	6.62	168	11.12	282	11.12	282
M50	250A	Westinghouse	J (series C)	11.00	279	4.50	114	*	*	*	*	10.62	270	10.62	270
M60	400A	Westinghouse	K (series C)	11.00	279	5.87	149	*	*	*	*	10.50	267	10.50	267

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



Disconnect Mounting Location

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

Cutler-Hammer

C361 Disconnect Mechanism

Cutler-Hammer Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	--	6.00	152	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC21	30A	30A	250V	H,K,R	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	30A	600V	H,K,R	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	30A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	60A	250V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
ND	60A	(non)	(non)	--	6.00	152	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD22	60A	30A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD22	60A	60A	250V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD62	60A	60A	600V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD62	60A	60A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
NE	100A	(non)	(non)	--	6.00	152	7.12	181	3.00	76	5.37	136	9.87	251	9.87	251
SE263	100A	100A	250V	H,K,R	10.62	270	7.12	181	3.00	76	5.37	136	9.87	251	9.87[1]	251
SE263	100A	100A	600V	H,K,R	10.62	270	7.12	181	3.00	76	5.37	136	9.87	251	9.87[1]	251
SE263	100A	100A	600V	J	9.37	238	7.12	181	3.00	76	5.37	136	9.87	251	9.87[1]	251
NF (2)	200A	(non)	(non)	--	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00[1]	203
SF264 (2)	200A	200A	250V	H,K,R	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203
SF264 (2)	200A	200A	600V	H,K,R	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203
SF264 (2)	200A	200A	600V	J	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203

C371 Disconnect Mechanism

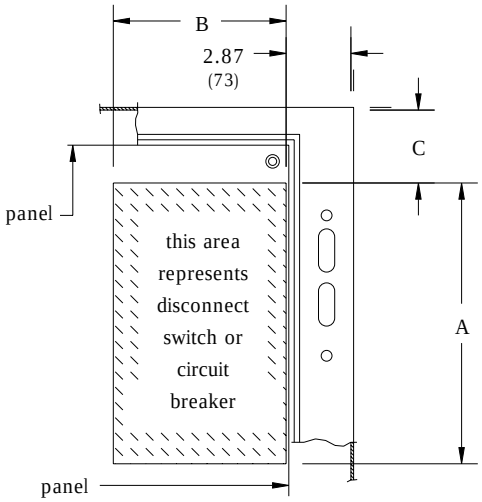
Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		A		B		C (when enclosure depth is:) 8		10		12		16	
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C371E (1)	150A	Cutler-Hammer	HMCP,FS,FH	6.50	165	5.25	133	4.43	113	6.81	173	11.43	290	11.43[1]	290
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.50	292	7.75	197	*	*	6.75	171	11.25	286	11.25[1]	286
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	10.50	267	7.75	197	*	*	*	*	10.75	273	10.75[1]	273
C371G (1)	600A	Cutler-Hammer	LS,LH	9.75	248	11.62	295	*	*	*	*	9.25	235	9.25[1]	235
C371E (1)	150A	Westinghouse	F (series C)	6.50	165	5.25	133	4.43	113	6.81	173	11.43	290	11.43[1]	290
C371F (1)	250A	Westinghouse	J (series C)	11.50	292	7.75	197	*	*	6.75	171	11.25	286	11.25[1]	286
C371F (1)	400A	Westinghouse	K (series C)	10.50	267	7.75	197	*	*	*	*	10.75	273	10.75[1]	273
C371G (1)	600A	Westinghouse	LA,LC	10.87	276	11.62	295	*	*	*	*	9.25	235	9.25[1]	235

* Do not install disconnects in this depth enclosure.

(1) Wire bending space "C" does not allow for the maximum size cable in some depth enclosures.

(2) Do not install 200A switch in enclosures less than 30 inches high.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



Disconnect Mounting Location

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

General Electric

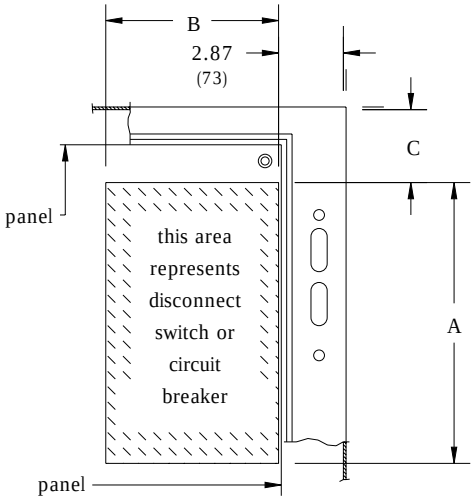
TDA Disconnect Mechanism

General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	30A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	30A	30A	250V	H,R	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	30A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	30A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	60A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	60A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	60A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	60A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	100A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	100A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	100A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	100A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	100A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	200A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	200A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM2	200A	(non)	(non)	--	9.12	232	8.87	225	*	*	*	*	9.50	241	9.50	241
TDOM2	200A	200A	250V	H,R	17.50	445	8.87	225	*	*	*	*	9.50	241	9.50	241
TDOM2	200A	200A	600V	H,R	17.50	445	8.87	225	*	*	*	*	9.50	241	9.50	241

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	A		B		C (when enclosure depth is:) 8		10		12		16	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB,TEC,TED,THED	6.43	163	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1B	150A	TBI,TEC,TECL	11.06	281	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1C	150A	TEL	6.43	163	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1D	150A	THLCI	9.75	248	5.00	127	*	*	5.12	130	9.62	244	9.62	244
TDOM3	225A	TFJ,TFK,THFK,TFL	11.43	290	5.50	127	*	*	6.06	154	10.62	270	10.62	270
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	10.25	260	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	10.25	260	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM5	400A	TB4,TJH6S	16.25	413	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM6	225A	TLB2,THLC2	14.25	362	9.12	232	*	*	*	*	9.12	232	9.12	232
TDOM6	400A	TLB4,THLC4	15.62	397	9.12	232	*	*	*	*	7.75	197	7.75	197

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



Disconnect Mounting Location

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

I-T-E Siemens ®

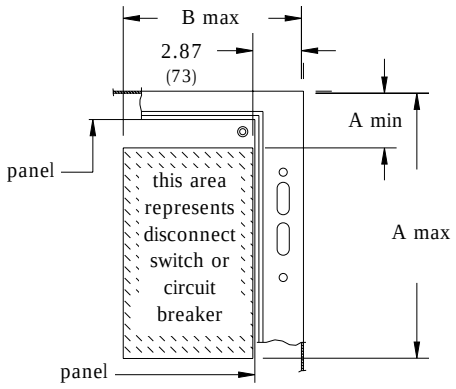
MAX-FLEX Disconnect Mechanism

Encl. Depth	I-T-E Mechanism for Circuit Breaker	Cable Length	Amp	Circuit Breaker Frame	A(1) device in.	A(1) device mm	A(1) nominal in.	A(1) nominal mm	A(1) min in.	A(1) min mm	A(1) max in.	A(1) max mm	B(2) device in.	B(2) device mm	B(2) max in.	B(2) max mm
8	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	10.12	257	1.25	32	21.00	533	3.00	76	14.50	368
	FHOE036	36	125A	CED6ETI	8.50	216	13.25	337	4.50	114	24.25	616	3.00	76	14.50	368
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	10.37	263	1.00	25	21.25	540	4.50	114	13.00	330
	FHOF036	36	250A	CFD,CFDETI	14.12	359	15.00	381	3.12	79	21.25	540	4.50	114	13.00	330
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	16.87	428	6.75	171	26.50	673	7.50	191	14.50	368
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	16.87	428	6.75	171	26.50	673	7.50	191	14.50	368
10	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	12.50	318	2.62	67	22.87	581	3.00	76	14.25	362
	FHOE036	36	125A	CED6ETI	8.50	216	16.62	422	5.87	149	26.12	663	3.00	76	14.25	362
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	12.75	324	2.87	73	23.12	587	4.50	114	12.75	324
	FHOF036	36	250A	CFD,CFDETI	14.12	359	17.37	441	5.50	140	28.00	711	4.50	114	12.75	324
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	19.25	489	9.37	238	29.62	160	7.50	191	14.25	362
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	19.25	489	9.37	238	29.62	160	7.50	191	14.25	362
12	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	17.00	432	6.37	162	27.50	699	3.00	76	13.75	349
	FHOE036	36	125A	CED6ETI	8.50	216	19.87	505	9.62	244	30.37	771	3.00	76	13.75	349
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	17.25	438	6.62	168	27.37	695	4.50	114	12.25	311
	FHOF036	36	250A	CFD,CFDETI	14.12	359	21.87	555	11.37	289	32.12	816	4.50	114	12.25	311
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	23.75	603	13.12	333	33.87	860	7.50	191	13.75	349
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	23.75	603	13.12	333	33.87	860	7.50	191	13.75	349
16	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	17.00	432	7.75	197	26.50	673	3.00	76	11.50	292
	FHOE036	36	125A	CED6ETI	8.50	216	19.87	505	11.12	282	29.87	759	3.00	76	11.50	292
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	17.25	438	8.12	206	26.87	682	4.50	114	10.00	254
	FHOF036	36	250A	CFD,CFDETI	14.12	359	21.87	555	13.00	330	31.62	803	4.50	114	10.00	254
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	23.75	603	14.62	371	33.37	848	7.50	191	11.50	292
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	23.75	603	14.62	371	33.37	848	7.50	191	11.50	292

(1) Flexible operating cable allows disconnect to be mounted within minimum and maximum of "A" dimension when "B" is min. (2.87).

(2) Flexible operating cable allows disconnect to be mounted within minimum, (2.87) and maximum of "B" dimension when "A" is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



Disconnect Mounting Location

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

Square D®

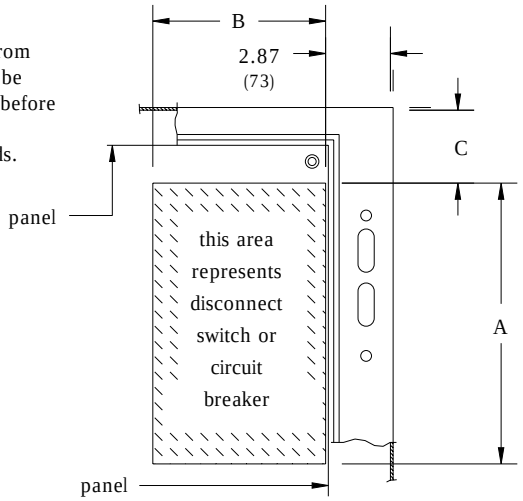
9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating Amp	Fuse Clip Rating Volt	Fuse Class	A		B		C (when enclosure depth is:) 8		10		12		16	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	--	3.37	86	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-2	30A	30A	250V	H,K,R	5.12	130	6.87	174	4.62	117	7.00	178	11.50	22	11.50	292
RC-3	30A	30A	600V	H,K,R	8.12	206	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-3	30A	30A	600V	J	5.12	130	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-3	30A	60A	250V	H,K,R	6.12	155	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
TC-1	30A	(non)	(non)	--	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-2	30A	30A	250V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	30A	600V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	30A	600V	J	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	60A	250V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TD-1	60A	(non)	(non)	--	9.50	241	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-2	60A	30A	600V	H,K,R	9.50	241	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-2	60A	60A	250V	H,K,R	7.62	194	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-3	60A	60A	600V	H,K,R	10.12	257	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-3	60A	60A	600V	J	7.62	194	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TE-1	100A	(non)	(non)	--	6.12	155	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	250V	H,K,R	8.87	225	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	600V	H,K,R	10.87	276	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	600V	J	7.62	194	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-3	100A	200A	600V	J	15.12	384	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TF-1	200A	(non)	(non)	--	8.25	210	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	250V	H,K,R	14.25	362	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	600V	H,K,R	16.75	425	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	600V	J	12.87	327	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-3	200A	400A	600V	J	17.25	438	11.37	289	*	*	*	*	8.87	225	8.87	225

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	A		B		C (when enclosure depth is:) 8		10		12		16	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL,FHL,FCL	6.12	155	4.25	108	3.75	95	6.12	155	10.62	270	10.62	270
RP-1	250A	KAL,KHL,KCL	7.37	187	4.25	108	*	*	6.87	174	11.37	289	11.37	289
RR-1	400A	LAL,LHL,Q4L	12.25	311	4.50	114	*	*	*	*	7.00	178	7.00	178
RR-2	400A	ILL	11.12	282	5.87	149	*	*	*	*	11.37	289	11.37	289

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



Disconnect Mounting Location

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Flange-Mount Enclosure Disconnects

Disconnect Ordering Information

ALLEN-BRADLEY

Standard enclosure designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1. Disconnect switch and operating mechanism 1494V.
2. Operating handle 1494V-H1.
3. Trailer fuse block kit, (if required).
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Door hardware: 2-pt latching mechanism 1494V-L1 or 3-pt latching mechanism 1494-L2.

Allen-Bradley 1494V circuit breaker:

1. Circuit breaker (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle 1494V-H11.
4. Door hardware: 2-pt latching mechanism 1494V-L1 or 3-pt latching mechanism 1494V-L2.

CUTLER-HAMMER

Standard enclosures designed to accept variable depth types C361 and C371.

Cutler-Hammer C361 disconnect switch:

1. Disconnect switch and operating mechanism.
2. Operating handle.
3. Door hardware: 2-pt latching mechanism (C361KJ4 or C361KJ6) or 3-pt latching mechanism (C361KJ4 or C361KJ6) and C361KR.

Cutler-Hammer C371 circuit breaker:

1. Circuit breaker (Cutler-Hammer, Westinghouse)
2. Operating mechanism.
3. Operating handle.
4. Door hardware: 2-pt latching mechanism (C361KJ4 or C361KJ6) or 3-pt latching mechanism (C361KJ4 or C361KJ6) and C361KR.

GENERAL ELECTRIC

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1. Disconnect switch (QMR, QMW) and variable depth operating mechanism.
2. Operating handle TDA1.
3. Fuse clip kit or no fuse kit, (if required).
4. Door hardware: 2-pt latching mechanism TDV1 or 3-pt latching mechanism TDV1 and TDV3.

General Electric TDA circuit breaker:

1. Circuit breaker.
2. Variable depth operating mechanism.
3. Operating handle TDA1.
4. Door hardware: 2-pt latching mechanism TDV1 or 3-pt latching mechanism TDV1 and TDV3.

I-T-E SIEMENS

Standard enclosures designed to accept MAX-FLEX type FHO.

I-T-E Siemens MAX-FLEX circuit breaker:

1. Circuit Breaker.
2. Operating mechanism.
3. Operating handle FHOH.
4. Line and load connectors, (if necessary).
5. Operating cable (standard 36 inch).
6. Door hardware: 2-pt latching mechanism DKR2 or 3-pt latching mechanism DKR3.

SQUARE D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch and operating mechanism 9422.
2. Operating handle 9422-A1.
3. Door hardware: 2-pt latching mechanism 9423-M4 or 3-pt latching mechanism (9423-M4 or 9423-M9) and 9423-M3.

Square D 9422 circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle 9422-A1.
4. Door hardware: 2-pt latching mechanism 9423-M4 or 3-pt latching mechanism (9423-M4 or 9423-M9) and 9423-M3.

Important Note

When ordering flange-mounted disconnect equipment be sure to include all the necessary components.

1. Latching bar, latching bar bracket interlock and hardware are furnished with the enclosure.
2. Disconnects and related components are available from the manufacturer, see pages 229-234.

Notes: Data subject to change without notice.

Type 12 Floor-Standing Double-Door Disconnect Enclosures

Data Sheet

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-pt padlockable handle mechanism
- Right-side door serves as the master door on the flange mount disconnect type with a defeater mechanism which requires a screwdriver to open
- Left-side door serves as the master door on the center post disconnect type with a defeater mechanism which requires a screwdriver to open
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Universal opening on either the right side flange or the center post will accommodate most disconnect operators when used with operator adapters, (order separately) see page 331
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground studs provided on door
- Lighting mounting channel provided
- Removable center post allows for easy access and panel installation
- Heavy-gauge angle supports and .375-16 collar studs are provided for optional panel mounting
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside

Accessories

- Panels
- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Leg stabilizer kit
- Touch-up paint
- See Accessories section

Important Note

When ordering flange or center-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange or center-mounted enclosure
2. A panel (optional)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 331)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 240-249.

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Floor-Standing Double-Door Disconnect Enclosures

Catalog Number

Center-Mounted

Enclosure	Enclosure Size Height Width Depth A x B x C		Panel	Panel Size Height x Width	
Catalog Number	in.	mm	Catalog Number	in.	mm
CD604812-12FD	60.00x48.12x12.00	1524x1222x305	AW6048P	55.87x43.87	1419x1114
CD606012-12FD	60.00x60.12x12.00	1524x1527x305	AW6060P	55.87x55.87	1419x1419
CD726012-12FD	72.00x60.12x12.00	1829x1527x305	AW7260P	67.87x55.87	1724x1419
CD727212-12FD	72.00x72.12x12.00	1829x1832x305	AW7272P	67.87x67.87	1724x1419
CD727218-12FD	72.00x72.12x18.00	1829x1832x305	AW7272P	67.87x67.87	1724x1724

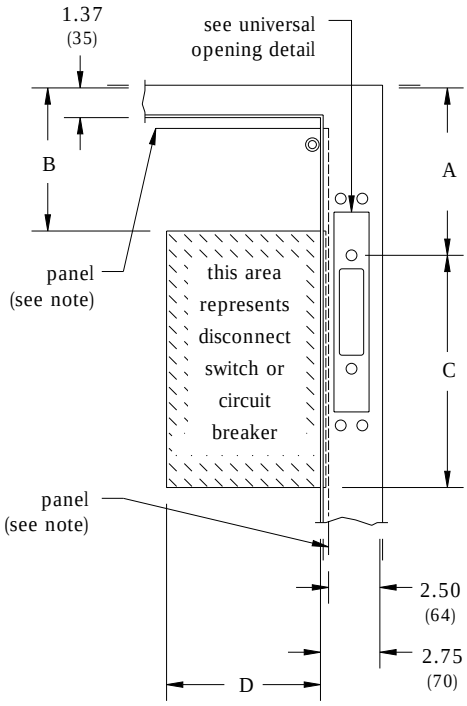
Flange-Mounted

Enclosure	Enclosure Size Height Width Depth A x B x C		Panel	Panel Size Height x Width	
Catalog Number	in.	mm	Catalog Number	in.	mm
FD604912-12FD	60.00x49.00x12.00	1524x1245x305	AW6048P	55.87x43.87	1419x1114
FD606112-12FD	60.00x61.00x12.00	1524x1549x305	AW6060P	55.87x55.87	1419x1419
FD726112-12FD	72.00x61.00x12.00	1829x1549x305	AW7260P	67.87x55.87	1724x1419
FD727312-12FD	72.00x73.00x12.00	1829x1854x305	AW7272P	67.87x67.87	1724x1724
FD604918-12FD	60.00x49.00x18.00	1524x1245x457	AW6048P	55.87x43.87	1419x1114
FD606118-12FD	60.00x61.00x18.00	1524x1549x457	AW6060P	55.87x55.87	1419x1419
FD726118-12FD	72.00x61.00x18.00	1829x1549x457	AW7260P	67.87x55.87	1724x1419
FD727318-12FD	72.00x73.00x18.00	1829x1854x457	AW7272P	67.87x67.87	1724x1724
FD727324-12FD	72.00x73.00x24.00	1829x1854x610	AW7272P	67.87x67.87	1724x1724

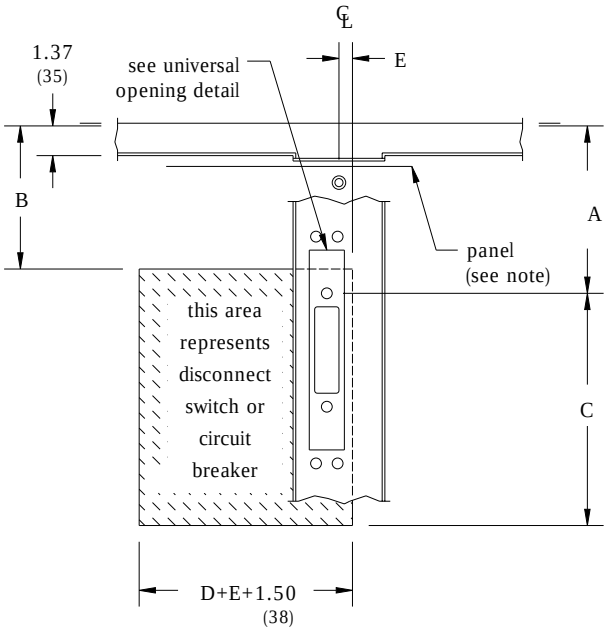
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Disconnect Enclosures

Detail Sheet



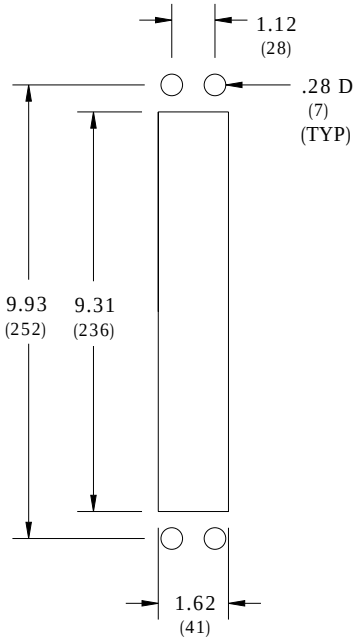
Flange Mounting



Center Post Mounting

The dimensional information provided in these drawings is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 331).



Universal Opening Detail

Important Note

When ordering flange or center-mounted disconnect enclosures, be sure to include all the necessary components.

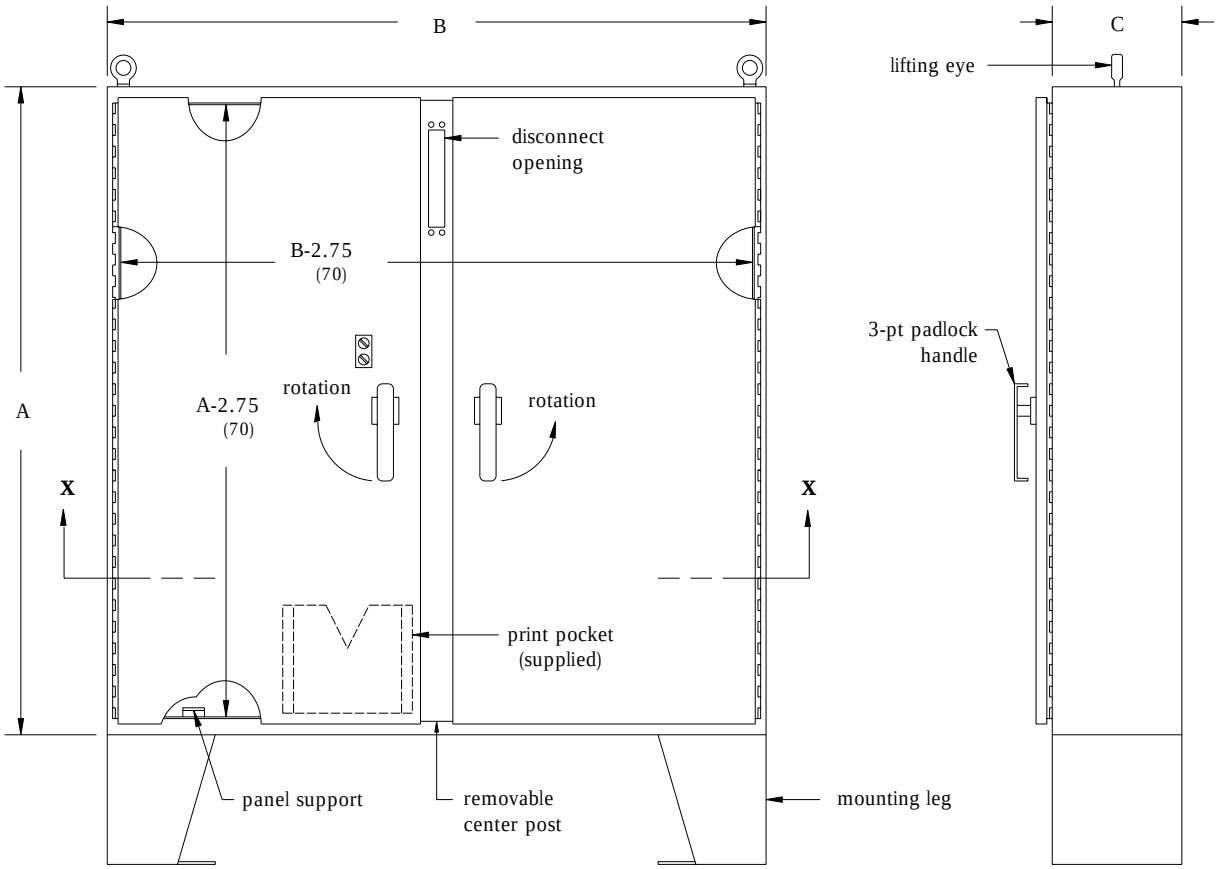
1. A flange or center-mounted enclosure
2. A panel (optional)
3. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 331)

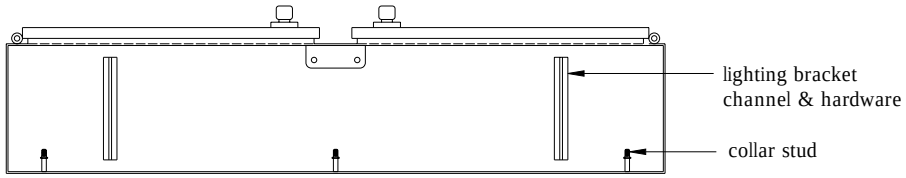
Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 240-249.

Notes: Refer to disconnect tables for associated dimensions. Panels are ordered separately. Refer to catalog table for size and ordering information. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Center-Mount Double-Door Enclosures

Illustration Sheet



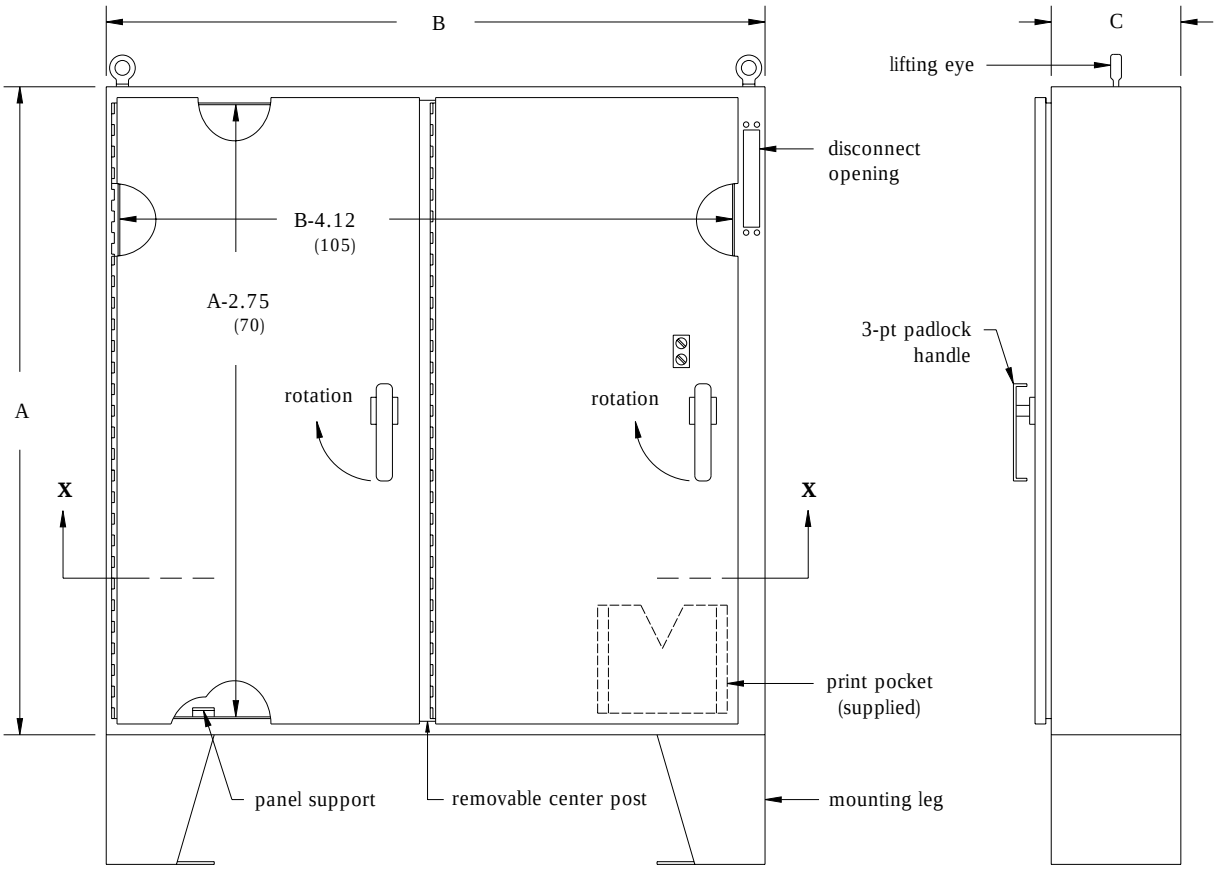


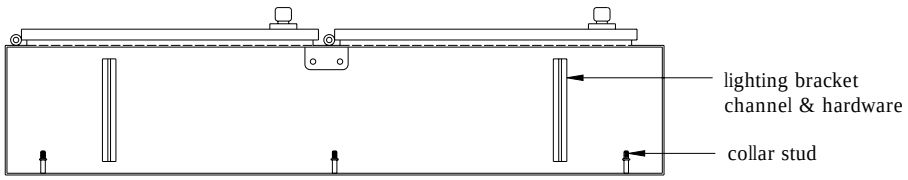
Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Flange-Mount Double-Door Enclosures

Illustration Sheet





Section X-X

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Allen-Bradley®

1494V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height 60 A		60 B		72 A		72 B		C		D(1)		E	
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	7.87	200	6.00	152	13.37	340	11.50	292	4.00	102	6.75	171	.25	6
DS30	30A	30A	250V	H,K,R	7.87	200	6.00	152	13.37	340	11.50	292	5.25	133	6.75	171	.25	6
DS30	30A	30A	600V	H,K,R	7.87	200	6.00	152	13.37	340	11.50	292	8.00	203	6.75	171	.25	6
DS30	30A	30A	600V	J	7.87	200	6.00	152	13.37	340	11.50	292	5.25	133	6.75	171	.25	6
DS30	30A	60A	250V	H,K	7.87	200	6.00	152	13.37	340	11.50	292	6.00	152	6.75	171	.25	6
DS30	30A	60A	600V	H,K	7.87	200	6.00	152	13.37	340	11.50	292	8.50	216	6.75	171	.25	6
DS30	30A	60A	600V	J	7.87	200	6.00	152	13.37	340	11.50	292	5.50	140	6.75	171	.25	6
DS60	60A	(non)	(non)	--	7.87	200	5.87	149	13.37	340	11.37	289	4.00	102	6.75	171	.25	6
DS60	60A	30A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	8.00	203	6.75	171	.25	6
DS60	60A	60A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	6.00	152	6.75	171	.25	6
DS60	60A	60A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	8.50	216	6.75	171	.25	6
DS60	60A	60A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	5.50	140	6.75	171	.25	6
DS60	60A	100A	250V	H,K	7.87	200	5.87	149	13.37	340	11.37	289	8.50	216	6.75	171	.25	6
DS60	60A	100A	600V	H,K	7.87	200	5.87	149	13.37	340	11.37	289	10.50	267	6.75	171	.25	6
DS60	60A	100A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	7.25	184	6.75	171	.25	6
DS100	100A	(non)	(non)	--	7.87	200	4.37	111	13.37	340	9.87	251	4.75	121	8.00	203	.25	6
DS100	100A	100A	250V	H,K,R	7.87	200	4.37	111	13.37	340	9.87	251	10.50	267	8.00	203	.25	6
DS100	100A	100A	600V	H,K,R	7.87	200	4.37	111	13.37	340	9.87	251	12.50	318	8.00	203	.25	6
DS100	100A	100A	600V	J	7.87	200	4.37	111	13.37	340	9.87	251	9.25	235	8.00	203	.25	6
DS100	100A	200A	250V	H,K	7.87	200	4.37	111	13.37	340	9.87	251	11.25	286	8.00	203	.25	6
DS100	100A	200A	600V	H,K	7.87	200	4.37	111	13.37	340	9.87	251	13.75	349	8.00	203	.25	6
DS100	100A	200A	600V	J	7.87	200	4.37	111	13.37	340	9.87	251	10.00	254	8.00	203	.25	6
DS200	200A	(non)	(non)	--	*	*	*	*	11.93	303	7.50	191	10.00	254	11.00	279	.25	6
DS200	200A	200A	250V	H,K,R	*	*	*	*	11.93	303	7.50	191	15.00	381	11.00	279	.25	6
DS200	200A	200A	600V	H,K,R	*	*	*	*	11.93	303	7.50	191	17.25	438	11.00	279	.25	6
DS200	200A	200A	600V	J	*	*	*	*	11.93	303	7.50	191	13.50	343	11.00	279	.25	6
DS200	200A	400A	250V	H,K	*	*	*	*	11.93	303	7.50	191	15.75	400	11.00	279	.25	6
DS200	200A	400A	600V	H,K	*	*	*	*	11.93	303	7.50	191	18.75	476	11.00	279	.25	6
DS200	200A	400A	600V	J	*	*	*	*	11.93	303	7.50	191	14.25	362	11.00	279	.25	6

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height 60 A		60 B		72 A		72 B		C		D(1)		E	
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED,THED,TEC	7.87	200	7.25	184	13.37	340	12.75	324	5.75	146	4.75	121	.25	6
M40	150A	Westinghouse	F (series C)	7.87	200	7.25	184	13.37	340	12.75	324	5.00	127	4.75	121	.25	6
M50	250A	Westinghouse	J (series C)	7.87	200	6.87	174	13.37	340	12.37	324	9.75	248	5.00	127	.25	6
M60	400A	Westinghouse	K (series C)	*	*	*	*	13.37	340	12.37	324	9.75	248	6.25	159	.25	6

* Do not install disconnects in this height enclosure.

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Allen-Bradley®

1494F Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D(1)		E	
					60				72									
					A		B		A		B							
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N30	30A	(non)	(non)	--	5.87	149	5.37	136	11.37	289	10.87	276	4.75	121	6.50	165	.75	19
NF30	30A	30A	250V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	6.50	165	6.50	165	.75	19
NF30	30A	30A	600V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	9.25	235	6.50	165	.75	19
NF30	30A	30A	600V	J	5.87	149	5.37	136	11.37	289	10.87	276	6.50	165	6.50	165	.75	19
NF30	30A	60A	250V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	7.25	184	6.50	165	.75	19
NF30	30A	60A	600V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	9.75	248	6.50	165	.75	19
NF30	30A	60A	600V	J	5.87	149	5.37	136	11.37	289	10.87	276	6.75	171	6.50	165	.75	19
N60	60A	(non)	(non)	--	5.87	149	4.62	117	11.37	289	10.12	257	4.75	121	6.50	165	.75	19
NF60	60A	30A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	10.50	267	6.50	165	.75	19
NF60	60A	60A	250V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	8.50	216	6.50	165	.75	19
NF60	60A	60A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	11.00	279	6.50	165	.75	19
NF60	60A	60A	600V	J	5.87	149	4.62	117	11.37	289	10.12	257	7.75	197	6.50	165	.75	19
NF60	60A	100A	250V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	11.00	279	6.50	165	.75	19
NF60	60A	100A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	13.00	330	6.50	165	.75	19
NF60	60A	100A	600V	J	5.87	149	4.62	117	11.37	289	10.12	257	9.75	248	6.50	165	.75	19
N100	100A	(non)	(non)	--	*	*	*	*	11.37	289	8.25	210	4.75	121	7.25	184	.75	19
NF100	100A	100A	250V	H,K,R	*	*	*	*	11.37	289	8.25	210	11.50	292	7.50	191	.75	19
NF100	100A	100A	600V	H,K,R	*	*	*	*	11.37	289	8.25	210	13.50	343	7.50	191	.75	19
NF100	100A	100A	600V	J	*	*	*	*	11.37	289	8.25	210	10.25	260	7.50	191	.75	19
NF100	100A	200A	250V	H,K,R	*	*	*	*	11.37	289	8.25	210	12.25	311	7.75	197	.75	19
NF100	100A	200A	600V	H,K,R	*	*	*	*	11.37	289	8.25	210	14.75	375	7.75	197	.75	19
NF100	100A	200A	600V	J	*	*	*	*	11.37	289	8.25	210	11.00	279	7.75	197	.75	19
N200	200A	(non)	(non)	--	*	*	*	*	10.06	256	6.62	210	7.25	184	10.50	267	.75	19
NF200	200A	200A	250V	H,K,R	*	*	*	*	10.06	256	6.62	168	15.00	381	10.50	267	.75	19
NF200	200A	200A	600V	H,K,R	*	*	*	*	10.06	256	6.62	168	17.50	445	10.50	267	.75	19
NF200	200A	200A	600V	J	*	*	*	*	10.06	256	6.62	168	13.75	349	10.50	267	.75	19
NF200	200A	400A	250V	H,K,R	*	*	*	*	10.06	256	6.62	168	16.50	419	11.00	279	.75	19
NF200	200A	400A	600V	H,K,R	*	*	*	*	10.06	256	6.62	168	19.50	495	11.00	279	.75	19
NF200	200A	400A	600V	J	*	*	*	*	10.06	256	6.62	168	15.00	381	11.00	279	.75	19

1494D Disconnect Mechanism

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D(1)		E	
				72				84									
				A		B		A		B							
		Manufacturer	Frame(s)	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N4/N40	150A	General Electric	TED,THED,TEC	5.87	149	5.25	133	11.37	289	10.75	273	5.87	149	4.62	117	.75	19
N5/N55	225A	General Electric	TFK,THFK,TFC	5.87	149	4.50	114	11.37	289	10.00	254	8.87	225	4.75	121	.75	19
N4/N40	150A	Westinghouse	F (series C)	5.87	149	5.25	133	11.37	289	10.75	273	5.87	149	4.62	117	.75	19
N5/N50	250A	Westinghouse	J (series C)	5.87	149	4.50	114	11.37	289	10.00	254	8.87	225	4.75	121	.75	19
N5/N60	400A	Westinghouse	K (series C)	*	*	*	*	11.37	289	10.00	254	8.87	225	5.87	149	.75	19

* Do not install disconnects in this height enclosure.

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Cutler-Hammer

C361 Disconnect Mechanism

Cutler-Hammer Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
					60				72									
		Amp	Volt		A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in	mm
NC	30A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	6.25	1588	.25	6
SC21	30A	30A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	30A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	30A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	60A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
ND	60A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	6.25	1588	.25	6
SD22	60A	30A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SD22	60A	60A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
SD62	60A	60A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
SD62	60A	60A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	8.00	203	6.25	1588	.25	6
NE	100A	(non)	(non)	--	7.87	200	6.12	155	13.37	340	11.62	295	4.25	108	7.50	191	.25	6
SE263	100A	100A	250V	H,K,R	7.87	200	6.12	155	13.37	340	11.62	295	9.00	229	7.50	191	.25	6
SE263	100A	100A	600V	H,K,R	7.87	200	6.12	155	13.37	340	11.62	295	9.00	229	7.50	191	.25	6
SE263	100A	100A	600V	J	7.87	200	6.12	155	13.37	340	11.62	295	7.75	197	7.50	191	.25	6
NF (1)	200A	(non)	(non)	--	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	250V	H,K,R	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	600V	H,K,R	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	600V	J	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6

C371 Disconnect Mechanism

Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D		E	
				60				72									
		Manufacturer	Frame(s)	A		B		A		B							
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C371E	150A	Cutler-Hammer	HMCP,FS,FH	7.87	200	7.62	194	13.37	340	13.12	333	6.00	152	5.75	146	.25	6
C371F(1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	7.87	200	7.50	191	13.37	340	13.00	330	11.00	279	8.25	210	.25	6
C371F(1)	400A	Cutler-Hammer	HMCP,KS,KH	7.87	200	7.00	178	13.37	340	12.50	318	9.75	248	8.25	210	.25	6
C371G (1)	600A	Cutler-Hammer	LS,LH	*	*	*	*	13.37	340	10.87	276	8.50	216	12.00	305	.25	6
C371E	150A	Westinghouse	F (series C)	7.87	200	7.62	194	13.37	340	13.12	333	6.00	152	5.75	146	.25	6
C371F (1)	250A	Westinghouse	J (series C)	7.87	200	7.50	191	13.37	340	13.00	330	9.00	229	8.25	210	.25	6
C371F (1)	400A	Westinghouse	K (series C)	7.87	200	7.00	178	13.37	340	12.50	318	9.75	248	8.25	210	.25	6
C371G(1)	600A	Westinghouse	LA,LC	*	*	*	*	13.37	340	10.87	276	8.50	216	12.00	305	.25	6

* Do not install disconnects in this height enclosure.

(1) Wire bending space "B" does not allow the maximum size cable in 60H enclosures.

(2) Wire bending space "B" does not allow the maximum size cable in 72H enclosures.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

General Electric®

TDA Disconnect Mechanism

General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
					60				72									
		Amp	Volt		A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	30A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1A	30A	30A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	30A	30A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	30A	60A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	30A	60A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1A	60A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	60A	60A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	60A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	100A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	100A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1A	100A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	100A	100A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	100A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	200A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	200A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM2	200A	(non)	(non)	--	7.87	200	5.75	146	13.37	340	11.25	286	7.00	178	9.25	235	.25	6
TDOM2	200A	200A	250V	H,R	7.87	200	5.75	146	13.37	340	11.25	286	15.50	394	9.25	235	.25	6
TDOM2	200A	200A	600V	H,R	7.87	200	5.75	146	13.37	340	11.25	286	15.50	394	9.25	235	.25	6

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		D		E	
			60				72									
			A		B		A		B							
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB,TEC,TED,THED	7.87	200	7.25	184	13.37	340	12.75	324	7.00	178	5.50	140	.25	6
TDOM1B	150A	TB1,TEC,TECL	7.87	200	7.25	184	13.37	340	12.75	324	11.50	292	5.50	140	.25	6
TDOM1C	150A	TEL	7.87	200	7.25	184	13.37	340	12.75	324	7.00	178	5.50	140	.25	6
TDOM1D	150A	THCL1	7.87	200	5.87	149	13.37	340	11.37	289	7.00	178	5.50	140	.25	6
TDOM3	225A	TFJ,TFK,THFK,TFL	7.87	200	6.87	174	13.37	340	12.37	314	10.50	267	6.00	152	.25	6
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	*	*	*	*	13.37	340	11.50	292	8.25	210	9.50	241	.25	6
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	*	*	*	*	13.37	340	11.50	292	8.25	210	9.50	241	.25	6
TDOM5	400A	TB4,TJH6S	*	*	*	*	13.37	340	11.50	292	14.25	362	9.50	241	.25	6
TDOM6	225A	TLB2,THLC2	*	*	*	*	13.37	340	10.87	276	11.75	298	9.50	241	.25	6
TDOM6	400A	TLB4,THLC4	*	*	*	*	13.37	340	9.50	241	11.75	298	9.50	241	.25	6

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

I-T-E Siemens®

MAX-FLEX Disconnects

Enclosure Depth	Cable Length	I-T-E Mechanism for Circuit Breakers	Circuit Breaker Frame	Amp	Device Height		Enclosure Height A				C(1)						D(2)			
							60		72		nom		min		max		min		max	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
12	36	FHOE036	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-5.37	-136	15.43	392	3.00	76	14.00	356
	36	FHOE036	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-2.00	-51	18.75	476	3.00	76	14.00	356
	36	FHOF036	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-5.00	-127	15.75	400	4.50	114	12.50	318
	36	FHOF036	CFD	250A	14.12	349	7.87	200	13.37	340	10.25	260	-.25	-6	20.50	521	4.50	114	12.50	318
	36	FHOJ036	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-5.43	-138	15.37	390	7.50	191	14.00	356
	36	FHOJ036	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	1.50	38	22.25	565	7.50	191	14.00	356
18	36	FHOE036	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-2.75	-70	13.50	343	3.00	76	9.75	248
	36	FHOE036	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	.62	16	16.87	428	3.00	76	9.75	248
	36	FHOF036	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	2.43	62	13.87	352	4.50	114	8.50	216
	36	FHOF036	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	7.25	39	18.62	473	4.50	114	8.50	216
	36	FHOJ036	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-2.87	-73	13.43	341	7.50	191	10.12	257
	36	FHOJ036	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	4.12	105	20.37	517	7.50	191	10.12	257
12	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-16.37	-416	27.50	699	3.00	76	26.37	670
	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-13.00	-330	30.87	784	3.00	76	26.37	670
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-16.00	-406	27.87	708	4.50	114	24.87	632
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-11.25	-286	32.62	829	4.50	114	24.87	632
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-16.43	-417	27.43	697	7.50	191	26.37	670
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-9.50	-241	34.37	873	7.50	191	26.37	670
	48	FHON048	MD,ND	800A, 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-6.62	-168	21.93	557	9.00	229	20.50	521
18	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-15.37	-390	26.25	667	3.00	76	24.43	621
	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-12.00	-305	29.50	749	3.00	76	24.43	621
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-15.00	-381	26.50	673	4.50	114	23.00	584
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-10.25	-260	30.37	771	4.50	114	23.00	584
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-15.43	-392	26.12	663	7.50	191	24.50	622
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-8.50	-216	33.00	838	7.50	191	24.50	622
	48	FHON048	MD,ND	800A 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-5.12	-130	21.43	544	9.00	229	20.50	521
24	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-13.37	-340	23.25	591	3.00	76	20.62	524
	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-10.00	-254	26.50	673	3.00	76	20.62	524
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-13.00	-330	23.50	597	4.50	114	19.37	492
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-8.25	-210	28.37	721	4.50	114	19.37	492
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-13.43	-341	23.12	587	7.50	191	20.93	532
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-6.50	-165	30.00	762	7.50	191	20.93	532
	48	FHON048	MD,ND	800A, 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-3.12	-79	19.93	506	9.00	229	20.50	521

I-T-E SIEMENS® MAX-FLEX Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Types
FHOE036	36	ED2, ED4, ED6, HED4, HED6, ED6ETI
FHOE036	36	CED6, CED6ETI
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI
FHOF036	36	CFD6, CFD6ETI
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6,LXD6, HLD6, LXD6ETI, SHJD6, SLD6,SHLD6
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI,SCJD6,SCLD6
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6, CND6, SND6, SCND6

* Non-standard mechanism with 48 inch operating cable must be specified.

(1) Flexible operating cable allows disconnect to be mounted within min and max of "C" dimension when "D" is minimum.

(2) Flexible operating cable allows disconnect to be mounted within min and max of "D" dimension when "C" is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Square D®

9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
					60				72									
					A		B		A		B							
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	--	7.87	200	7.75	197	13.37	340	13.18	335	3.25	83	7.25	184	.25	6
RC-2	30A	30A	250V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	5.00	127	7.25	184	.25	6
RC-3	30A	30A	600V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	8.00	203	7.25	184	.25	6
RC-3	30A	30A	600V	J	7.87	200	7.75	197	13.37	340	13.18	335	5.00	127	7.25	184	.25	6
RC-3	30A	60A	250V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	6.00	152	7.25	184	.25	6
TC-1	30A	(non)	(non)	--	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-2	30A	30A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-3	30A	30A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	7.75	197	6.25	159	.25	6
TC-3	30A	30A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-3	30A	60A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	6.00	152	6.25	159	.25	6
TD-1	60A	(non)	(non)	--	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TD-2	60A	30A	600V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	8.50	216	6.75	171	.25	6
TD-2	60A	60A	250V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TD-3	60A	60A	600V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	9.00	229	6.75	171	.25	6
TD-3	60A	60A	600V	J	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TE-1	100A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	8.50	216	.25	6
TE-2	100A	100A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.50	191	8.50	216	.25	6
TE-2	100A	100A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	9.50	241	8.50	216	.25	6
TE-2	100A	100A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	6.25	159	8.50	216	.25	6
TE-3	100A	200A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	13.75	349	8.50	216	.25	6
TF-1	200A	(non)	(non)	--	7.87	200	5.12	130	13.37	340	10.62	270	5.50	140	11.75	298	.25	6
TF-2	200A	200A	250V	H,K,R	7.87	200	5.12	130	13.37	340	10.62	270	11.50	292	11.75	298	.25	6
TF-2	200A	200A	600V	H,K,R	7.87	200	5.12	130	13.37	340	10.62	270	14.00	356	11.75	298	.25	6
TF-2	200A	200A	600V	J	7.87	200	5.12	130	13.37	340	10.62	270	10.25	260	11.75	298	.25	6
TF-3	200A	400A	600V	J	7.87	200	5.15	131	13.37	340	10.62	270	14.50	368	11.75	298	.25	6

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		D		E	
			60				72									
			A		B		A		B							
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL,FHL,FCL	7.87	200	6.87	174	13.37	340	12.37	314	5.25	133	5.50	140	.25	6
RP-1	250A	KAL,KHL,KCL	7.87	200	6.62	168	13.37	340	13.12	333	7.25	184	5.75	146	.25	6
RR-1	400A	LAL,LHL,Q4L	*	*	*	*	13.37	340	8.75	222	7.75	197	9.00	229	.25	6
RR-2	400A	ILL	*	*	*	*	13.37	340	13.12	333	11.00	279	15.75	400	.25	6

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D Pivot Width				E	
					60				72						variable		fixed			
		Amp	Volt		A		B		A		B									
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS16U	30A	(non)	(non)	--	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS121R	30A	30A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS161U	30A	30A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS122	30A	60A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS162	30A	60A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS26U	60A	(non)	(non)	--	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS222R	60A	60A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS262R	60A	60A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS263	60A	100A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS263	60A	100A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS36U	100A	(non)	(non)	--	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS363R	100A	100A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	10.25	260	9.00	229	7.00	178	.37	9
DS363R	100A	100A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	12.25	311	9.00	229	7.00	178	.37	9
DS364 (1)	100A	200A	250V	H,R	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS364 (1)	100A	200A	600V	H,J,R	9.12	232	9.25	235	14.62	371	14.75	375	5.25	133	9.00	229	7.00	178	.37	9
DS46U	200A	(non)	(non)	--	9.12	232	7.00	178	14.62	371	12.50	318	6.00	152	12.00	305	10.00	254	.37	9
DS464R	200A	200A	250V	H,R	9.12	232	7.00	178	14.62	371	12.50	318	14.00	356	12.00	305	10.00	254	.37	9
DS464R	200A	200A	600V	H,R	9.12	232	7.00	178	14.62	371	12.50	318	15.25	387	12.00	305	10.00	254	.37	9
DS464R	200A	200A	600V	J	9.12	232	7.00	178	14.62	371	12.50	318	14.00	356	12.00	305	10.00	254	.37	9
DS465 (1)	200A	400A	250V	H,J,R	9.12	232	7.00	178	14.62	371	12.50	318	6.00	152	12.00	305	10.00	254	.37	9
DS465 (1)	200A	400A	600V	H,J,R	9.12	232	7.00	178	14.62	371	12.50	318	6.00	152	12.00	305	10.00	254	.37	9

Westinghouse Circuit Breaker Frame Type	Amp	Circuit Breaker Type	Enclosure Height								C		D Pivot Width				E	
			60				72						variable		fixed			
			A		B		A		B									
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
EB	100A	EB	9.12	232	8.37	213	14.62	371	13.87	352	5.50	140	9.25	235	7.25	184	.37	9
FB TRI-PAC	100A	FB TRI- PAC	9.12	232	8.37	213	14.62	371	13.87	352	8.25	210	9.25	235	7.25	184	.37	9
MCP	150A	MCP (O-4) Current Limiting	9.12	232	8.37	213	14.62	371	13.87	352	8.25	210	9.25	235	7.25	184	.37	9
F FRAME	150A	F (series C)	9.12	232	8.37	213	14.62	371	13.87	352	5.50	140	9.25	235	7.25	184	.37	9
J FRAME	250A	J (series C)	*	*	*	*	14.62	371	11.00	279	6.75	171	9.25	235	--	--	.37	9
K FRAME	400A	K (series C)	*	*	*	*	14.62	371	10.50	267	8.25	210	9.25	235	--	--	.37	9
LA TRI-PAC	400A	LA TRI-PAC	*	*	*	*	14.62	371	12.62	321	14.25	362	12.00	305	--	--	.37	9
LA, LC	600A	LA,LAB,HLA,LC,HLC	*	*	*	*	14.62	371	12.62	321	9.00	229	12.00	305	--	--	.37	9

* Do not install disconnects in this height enclosure.

(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Westinghouse

SM Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Switch Type	Fuse Class	Enclosure Height 60 A in.	A mm	B in.	B mm	72 A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm
SM100R	30A	De-ion Switch	--	7.31	186	7.25	184	12.81	325	12.75	324	6.62	168	4.75	119	.50	13
SM100R	60A	De-ion Switch	--	7.31	186	7.25	184	12.81	325	12.75	324	6.62	168	4.75	119	.50	13
SM100R	100A	De-ion Switch	--	7.31	186	5.75	184	12.81	325	11.25	286	6.62	168	5.25	133	.50	13
SM100SFR	30A	DS121R	H,R	7.31	186	7.50	184	12.81	325	13.00	330	7.00	178	5.50	140	.50	13
SM100SFR	30A	DS122	H,R	7.31	186	7.50	184	12.81	325	13.00	330	7.87	200	5.50	140	.50	13
SM100SFR	60A	DS222R	H,R	7.31	186	7.50	184	12.81	325	13.00	330	7.87	200	5.50	140	.50	13
SM100SFR	30A	DS161R	J	7.31	186	7.50	184	12.81	325	13.00	330	7.25	184	5.50	140	.50	13
SM100SFR	60A	DS262H	J	7.31	186	7.50	184	12.81	325	13.00	330	7.25	184	5.50	140	.50	13
SM100SFR	30A	DS162	H,R	7.31	186	7.50	184	12.81	325	13.00	330	0.37	9	5.50	140	.50	13
SM100SFR	60A	DS262R	H,R	7.31	186	7.50	184	12.81	325	13.00	330	10.37	263	5.50	140	.50	13
SM100SFR	100A	DS363R(250V)	H,R	7.31	186	7.50	184	12.81	325	13.00	330	10.25	260	5.50	140	.50	13
SM100SFR	100A	DS363R(600V)	H,R	7.31	186	7.50	184	12.81	325	13.00	330	12.12	308	5.50	140	.50	13
SM100SFR	60A	DS263(600V)	H,R	7.31	186	7.50	184	12.81	325	13.00	330	12.12	308	5.50	140	.50	13
SM100SFR	100A	DS363R	J	7.31	186	7.50	184	12.81	325	13.00	330	8.87	225	5.50	140	.50	13
SM150R	30A	DS16U Switch	--	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM150R	60A	DS26U Switch	--	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM150R (1)	100A	DS36U Switch	--	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM150R (1)	100A	DS364	H,R	7.31	186	7.50	184	12.81	325	13.00	330	5.12	130	5.50	140	.50	13
SM200SR (1)	200A	DS46U Switch	--	6.87	174	5.00	127	12.37	314	10.50	267	7.37	187	6.75	171	.50	13
SM200SR (1)	200A	DS465	H,R	6.87	174	5.00	127	12.37	314	10.50	267	7.37	187	6.75	171	.50	13
SM200SFR	200A	DS464R	H,R	6.87	174	5.00	127	12.37	314	10.50	267	15.25	387	6.75	171	.50	13

Westinghouse Circuit Breaker Frame Type	Amp	Circuit Breaker Type	Enclosure Height 60 A in.	A mm	B in.	B mm	72 A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm
SM150R	100A	EB	7.31	186	6.50	165	12.81	325	12.00	305	5.12	130	5.50	140	.50	13
SM101PR	100A	FB TRI-PAC	7.31	186	6.50	165	12.81	325	12.00	305	8.00	203	5.50	140	.50	13
SM101PR	150A	MCP (0-4) Current Limiting	7.31	186	6.50	165	12.81	325	12.00	305	8.00	203	5.50	140	.50	13
SM150R	150A	F (series C)	7.31	186	6.50	165	12.81	325	12.00	305	8.00	203	5.50	140	.50	13
SM250JR	250A	J (series C)	*	*	*	*	12.37	314	9.50	241	8.50	216	7.50	191	.50	13
SM400KR	400A	K (series C)	*	*	*	*	12.37	314	9.12	232	9.12	232	7.50	191	.50	13
SM400PR	400A	LA TRI-PAC	*	*	*	*	12.37	314	9.25	235	14.50	368	9.75	527	.50	13
SM400R	600A	LA, LAB,HLA	*	*	*	*	12.37	314	9.25	235	9.25	235	9.75	527	.50	13
SM400R	600A	LC,HLC	*	*	*	*	12.37	314	9.25	235	9.25	235	9.75	527	.50	13

* Do not install disconnects in this height enclosure.

(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Disconnect Ordering Information

ALLEN-BRADLEY

Standard enclosure designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).
7. Connecting rod.

Allen-Bradley 1494V circuit breaker:

1. Circuit breaker, (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

NOTE: Allen-Bradley support kit is recommended when 1494V devices are installed in 72 inch high center mounted enclosures.

Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley 1494F disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).

Allen-Bradley 1494D circuit breaker:

1. Circuit breaker, (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Slide mechanism.

CUTLER-HAMMER

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer C361 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3 Operating handle.
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).

NOTE: Items 1, 2 and 3 can be ordered as an assembly.

Cutler-Hammer C371 circuit breaker:

1. Circuit breaker, (Cutler-Hammer, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).

NOTE: Items 2 and 3 can be ordered as an assembly.

GENERAL ELECTRIC

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1. Disconnect Switch, (QMR, QMW).
2. Operating mechanism.
3. Operating handle TDA1.
4. Fuse clip kit or no-fuse kit, (if required).
5. Line and load connectors, (if necessary).
6. Extended length drive rod, (if required).

NOTE: These items can be ordered as an assembly.

General Electric TDA circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle TDA1.
4. Line and load connectors, (if necessary).
5. Extended length drive rod, (if required).

NOTE: When TDOM1 and TDOM3 operating mechanism is used on 72 inch high center mounted enclosures a flange stiffener kit TDSR is recommended.

I-T-E SIEMENS

Standard enclosures designed to accept MAX-FLEX type FHO.

I-T-E MAX-FLEX circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Operating cable.

NOTE: Items 2, 3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch enclosures require a 48 inch long cable.

Notes: Data subject to change without notice.

Type 12 Floor-Standing Double-Door Enclosure Disconnects

Disconnect Ordering Information

SQUARE D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse Clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Connecting rod.

NOTE: Square D support kit 9422-C1 is recommended when some devices are installed in 72 inch high center mounted enclosures.

Square D 9422 circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

NOTE: Square D support kit 9422-C1 is recommended when some devices are installed in 72 inch high enclosures.

WESTINGHOUSE

Standard enclosures designed to accept below handle type AMT.

Westinghouse AMT disconnect switch:

1. Disconnect switch.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Fuse block kit, (if required).
6. Fuse clip kit, (if required).
7. Line and connectors, (if necessary).
8. Connecting rod.

Westinghouse AMT circuit breaker:

1. Circuit breaker.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Line and load connectors, (if necessary).

Important Note

When ordering flange or center mounted disconnect equipment, be sure to include all necessary components listed below.

1. Enclosure includes the following equipment:
   Enclosure door locking handle and rods
   Door interlocking system
   Interlocking connecting rod
   Adjustable bracket, (see note 3)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used MUST be ordered separately (see page 331)
3. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
   Cutler-Hammer C361 device
   Cutler-Hammer C371 E and F devices unless long connecting rod C371CS1 is specified
   Cutler-Hammer C371 G device unless long connecting rod C371CS2 is specified
   General Electric TDA device extended length rod TDSR is specified
   Square D 9422 device unless extra long connecting rod 9422-R2 is specified
   Note: Some devices require two rods, consult the device manufacturer (Westinghouse AMT below handle device).
4. Panels are ordered separately.
5. Disconnects and related components are available from the manufacturer.
6. The disconnect ordering information provided is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Disconnect Enclosures

Data Sheet

Application

- Houses electrical controls and equipment
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-pt padlockable handle mechanism
- Right-side door serves as the master door with a defeater mechanism which requires a screwdriver to open
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Universal opening on right-side flange will accommodate most disconnect operators when used with operator adapter, (order separately)
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Lighting mounting channel provided
- Fixed center posts are supported from the front to back for enclosure rigidity
- Removable center post allows for easy access and panel installation
- Removable panels mounted on .375-16 collar studs and panel supports
- Large lifting eyebolts are supplied

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder outside with a white polyester powder finish inside
- Panels have white enamel finish

Accessories

- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Touch-up paint
- See Accessories Section

Important Note

When ordering flange-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange-mounted disconnect enclosure
2. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 331)

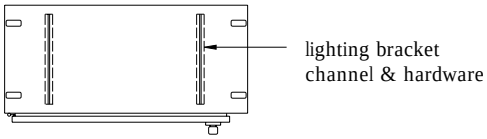
Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 257-266.

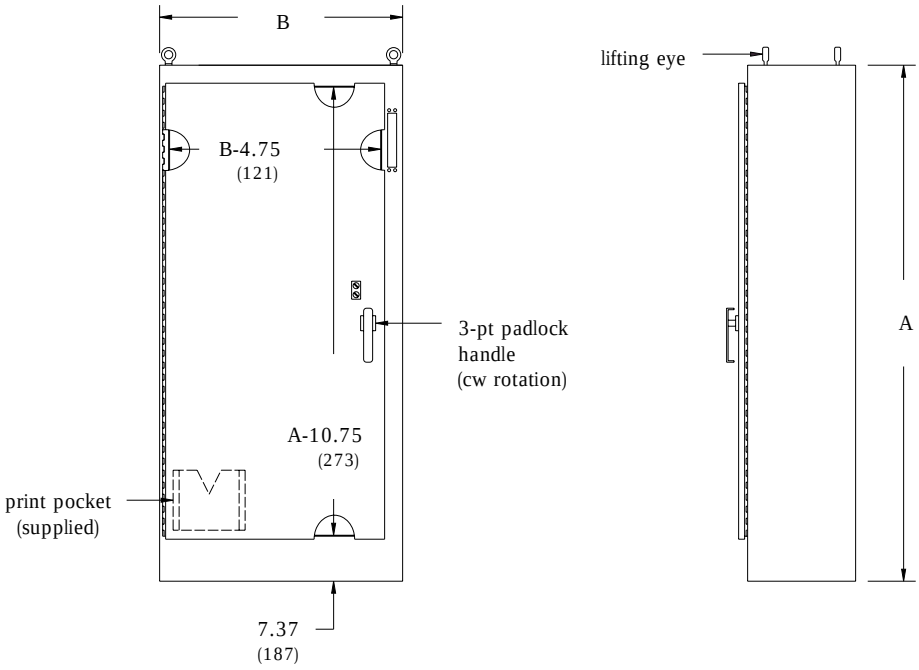
Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

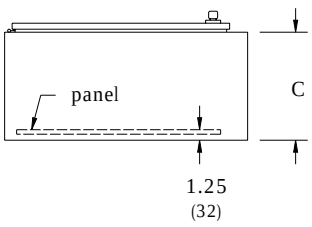
Type 12 Heavy-Duty Free-Standing Single-Door Flange-Mount Disconnect Enclosures

Catalog Number

Enclosure Catalog Number	Enclosure Size Height Width Depth A x B x C in.	mm	Panel Size Height x Width in.	mm
FD722718-12FS	72.00x27.50x18.00	1829x699x457	60.00x21.75	1524x552
FD723318-12FS	72.00x33.50x18.00	1829x851x457	60.00x27.75	1524x705
FD723918-12FS	72.00x39.50x18.00	1829x1003x457	60.00x33.75	1524x857
FD843918-12FS	84.00x39.50x18.00	2134x1003x457	72.00x33.75	1829x857
FD903920-12FS	90.00x39.50x20.00	2286x1003x508	78.00x33.75	1981x857
FD903924-12FS	90.00x39.50x24.00	2286x1003x610	78.00x33.75	1981x857





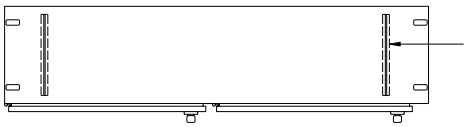


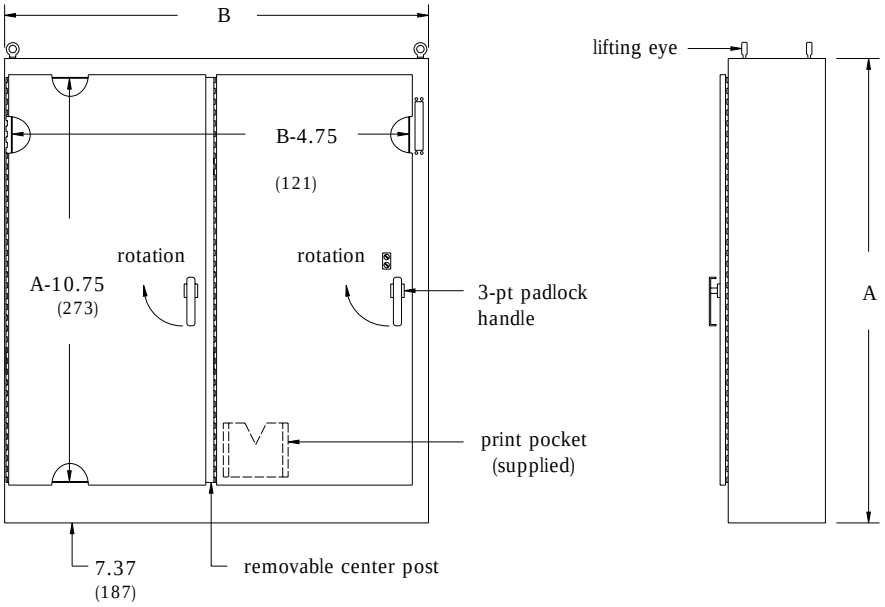
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

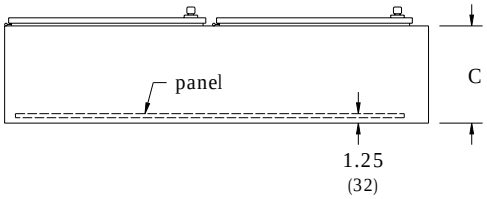
Type 12 Heavy-Duty Free-Standing Two-Door Flange-Mount Disconnect Enclosures

Catalog Number

Enclosure	Enclosure Size Height Width Depth A x B x C		Panel Size	
Catalog Number	in.	mm	Height x Width in.	mm
FD725318-12FS	72.00x53.75x18.00	1829x1365x457	60.00x48.00	1524x1219
FD726518-12FS	72.00x65.75x18.00	1829x1670x457	60.00x60.00	1524x1524
FD727718-12FS	72.00x77.75x18.00	1829x1975x457	60.00x72.00	1524x1829
FD727724-12FS	72.00x77.75x24.00	1829x1975x610	60.00x72.00	1524x1829
FD847718-12FS	84.00x77.75x18.00	2134x1975x457	72.00x72.00	1829x1829
FD907720-12FS	90.00x77.75x20.00	2286x1975x508	78.00x72.00	1981x1829
FD907724-12FS	90.00x77.75x24.00	2286x1975x610	78.00x72.00	1981x1829



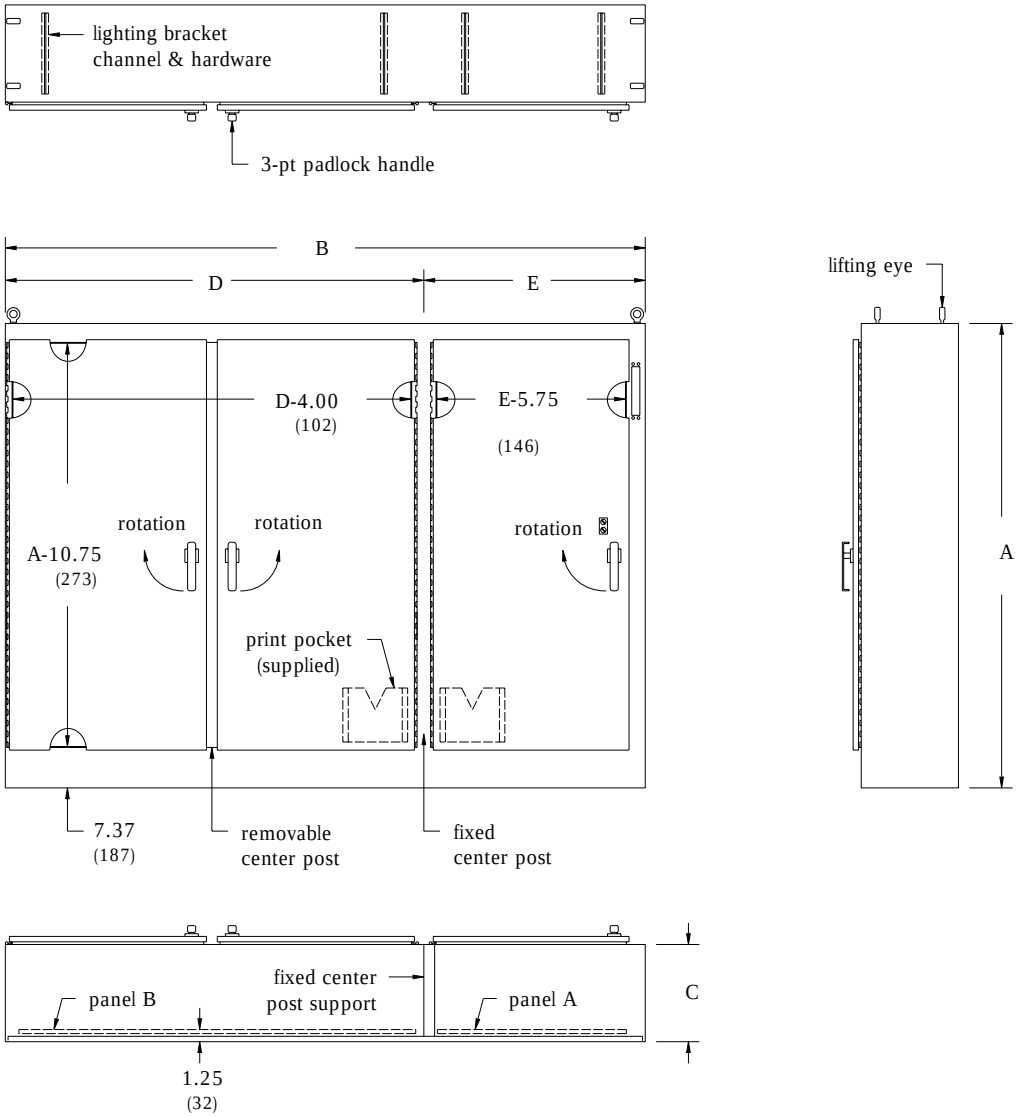




Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Three-Door Flange-Mount Disconnect Enclosures

Enclosure	Enclosure Size Height Width Depth A x B x C		D		E		Panel A Size Height x Width		Panel B Size Height x Width	
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
FD729918-12FS	72.00x99.50x18.00	1829x2527x457	65.00	1651	34.50	876	60.00x27.75	1524x705	60.00x60.00	1524x1524
FD8411718-12FS	84.00x117.50x18.00	2134x2985x457	77.00	1956	40.50	1029	72.00x33.75	1829x857	72.00x72.00	1829x1829
FD9011724-12FS	90.00x117.50x24.00	2286x2985x610	77.00	1956	40.50	1029	78.00x33.75	1981x857	78.00x72.00	1981x1829

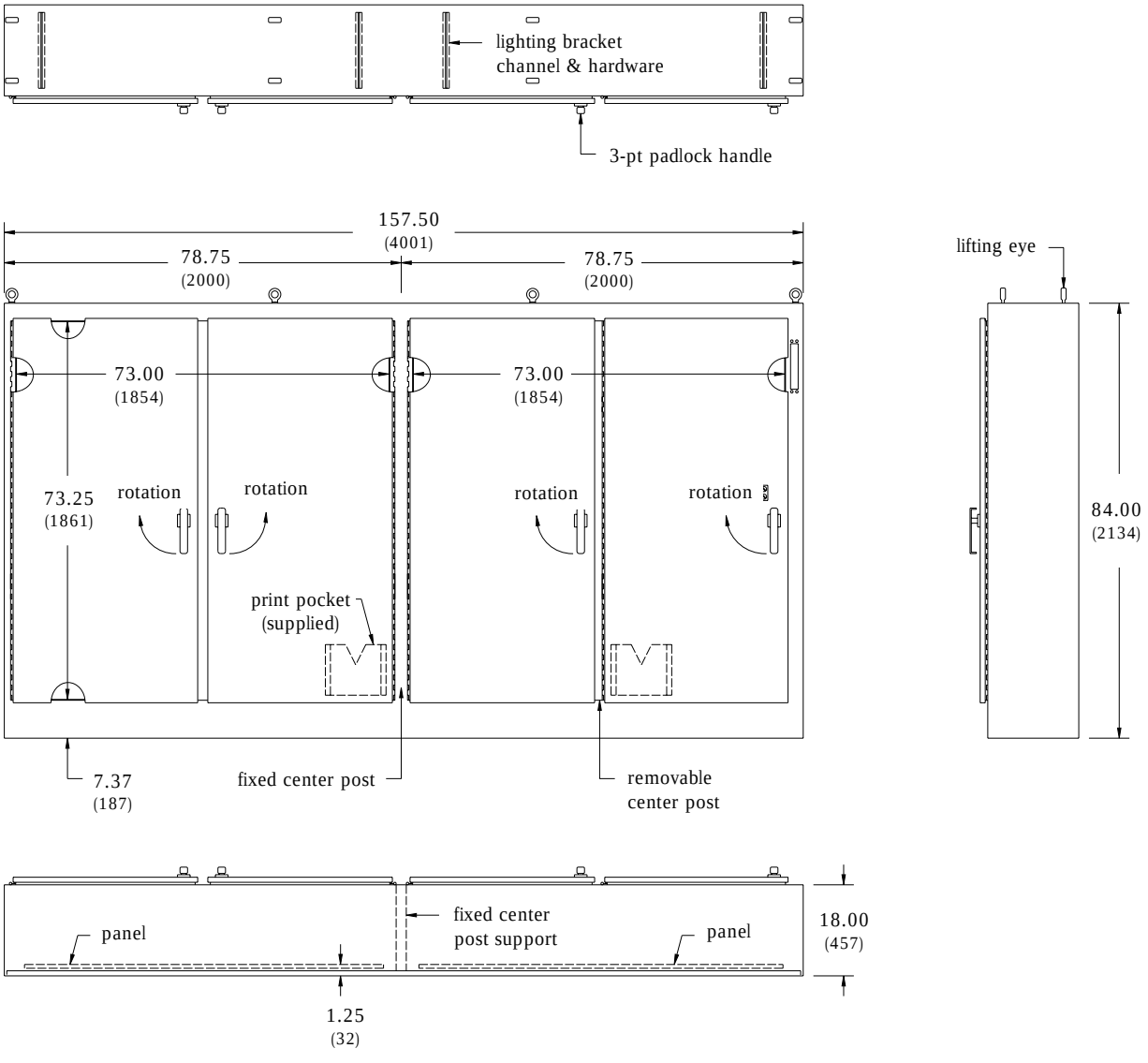


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Four-Door Flange-Mount Disconnect Enclosures

Catalog Number

Enclosure	Enclosure Size		Panel Size	
Catalog Number	Height x Width x Depth in.	Height x Width x Depth mm	Height x Width	
FD8415718-12FS	84.00x157.50x18.00	2134x40001x457	72.00x72.00	1829x1829

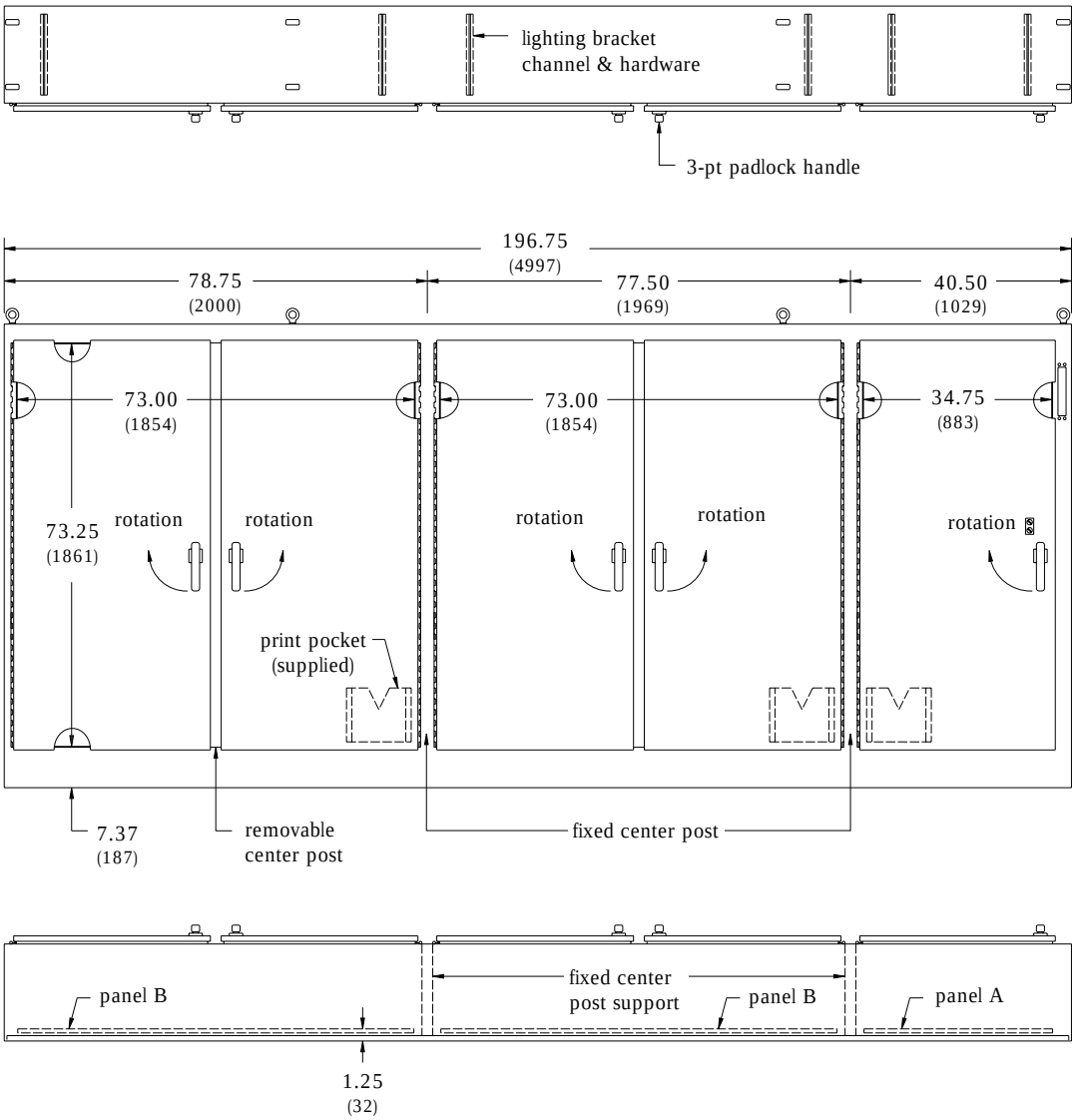


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Five-Door Flange-Mount Disconnect Enclosures

Catalog Number

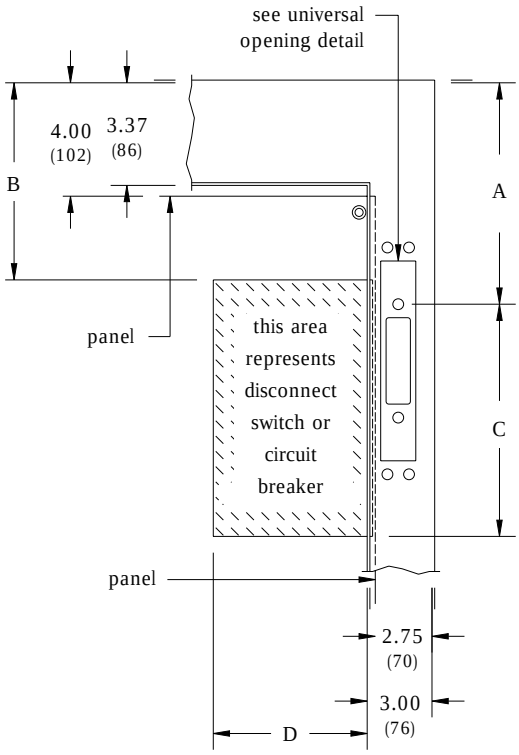
Enclosure Catalog Number	Enclosure Size Height x Width x Depth in.	Enclosure Size Height x Width x Depth mm	Panel Size Height x Width in.	Panel Size Height x Width mm	Panel Size Height x Width in.	Panel Size Height x Width mm
FD8419618-12FS	84.00x196.75x18.00	2134x4997x457	72.00x33.75	1829x857	72.00x72.00	1829x1829



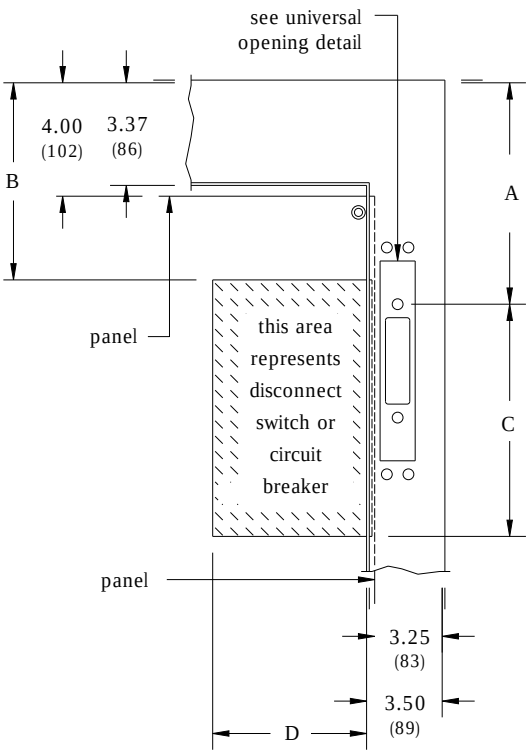
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Disconnect Enclosures

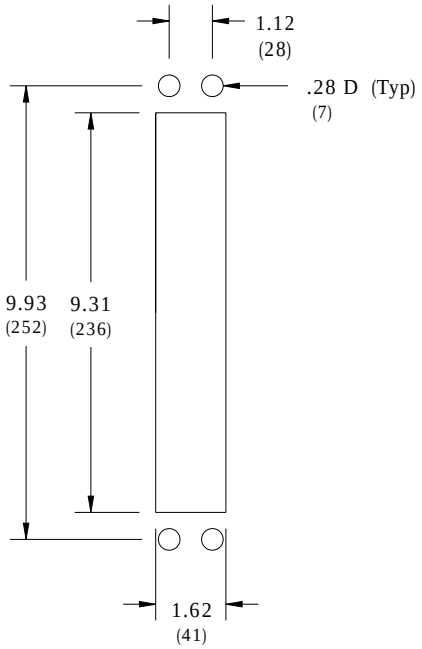
Detail Sheet



Flange Mounting
(1 and 2 door enclosures)



Flange Mounting
(3, 4 and 5 door enclosures)



Universal Opening Detail

The dimensional information provided in these drawings is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 331).

Important Note

When ordering flange-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange-mounted disconnect enclosure
2. Operator adapter plates MUST be ordered for the specific brand and type of disconnect being used, (see page 331)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 257-266.

Notes: Refer to disconnect tables for associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Allen-Bradley®

1494V Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D[1]	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	4.00	102	6.75	171
DS30	30A	30A	250V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.25	133	6.75	171
DS30	30A	30A	600V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	8.00	203	6.75	171
DS30	30A	30A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.25	133	6.75	171
DS30	30A	60A	250V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	6.00	152	6.75	171
DS30	30A	60A	600V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	8.50	216	6.75	171
DS30	30A	60A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.50	140	6.75	171
DS60	60A	(non)	(non)	--	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	4.00	102	6.75	171
DS60	60A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.00	203	6.75	171
DS60	60A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	6.00	152	6.75	171
DS60	60A	60A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.50	216	6.75	171
DS60	60A	60A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.50	140	6.75	171
DS60	60A	100A	250V	H,K	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.50	216	6.75	171
DS60	60A	100A	600V	H,K	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	10.50	267	6.75	171
DS60	60A	100A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.25	184	6.75	171
DS100	100A	(non)	(non)	--	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	4.75	121	8.00	203
DS100	100A	100A	250V	H,K,R	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	10.50	267	8.00	203
DS100	100A	100A	600V	H,K,R	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	12.50	318	8.00	203
DS100	100A	100A	600V	J	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.37	416	9.25	235	8.00	203
DS100	100A	200A	250V	H,K	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	11.25	286	8.00	203
DS100	100A	200A	600V	H,K	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	13.75	349	8.00	203
DS100	100A	200A	600V	J	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	10.00	254	8.00	203
DS200	200A	(non)	(non)	--	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	10.00	254	11.00	279
DS200	200A	200A	250V	H,K,R	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	15.00	381	11.00	279
DS200	200A	200A	600V	H,K,R	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	17.25	438	11.00	279
DS200	200A	200A	600V	J	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	13.50	343	11.00	279
DS200	200A	400A	250V	H,K	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	15.75	400	11.00	279
DS200	200A	400A	600V	H,K	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	18.75	476	11.00	279
DS200	200A	400A	600V	J	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	14.25	362	11.00	279
DS400	400A	(non)	(non)	--	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	10.75	273	11.00	279
DS400	400A	400A	250V	H,K,R	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	16.25	413	11.00	279
DS400	400A	400A	600V	H,K,R	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	19.25	489	11.00	279
DS400	400A	400A	600V	J	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	14.75	375	11.00	279

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D[1]	
				60				72				90							
		Manufacturer	Frame(s)	A		B		A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED,THED,TEC	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	5.75	146	4.75	121
M40	150A	Westinghouse	F (series C)	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	5.00	127	4.75	121
M50	250A	Westinghouse	J (series C)	11.87	301	10.87	276	17.37	441	16.37	416	20.37	517	19.37	492	9.75	248	5.00	127
M60	400A	Westinghouse	K (series C)	11.87	301	10.62	270	17.37	441	16.12	409	20.37	517	19.12	486	9.75	248	6.25	159

* Do not install disconnects in this height enclosure

[1] Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Allen-Bradley

1494F Disconnect Mechanism

Allen-Bradley Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D[1]	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N30	30A	(non)	(non)	--	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	4.75	121	6.50	165
NF30	30A	30A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.50	165	6.50	165
NF30	30A	30A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	17.37	441	17.87	454	9.25	235	6.50	165
NF30	30A	30A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.50	165	6.50	165
NF30	30A	60A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	7.25	184	6.50	165
NF30	30A	60A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	9.75	248	6.50	165
NF30	30A	60A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.75	171	6.50	165
N60	60A	(non)	(non)	--	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	4.75	121	6.50	165
NF60	60A	30A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	10.50	267	6.50	165
NF60	60A	60A	250V	H,K,R	9.87	251	8.82	219	15.37	390	14.12	359	18.37	467	17.12	435	8.50	216	6.50	165
NF60	60A	60A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	11.00	279	6.50	165
NF60	60A	60A	600V	J	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	57.75	1467	6.50	165
NF60	60A	100A	250V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	11.00	279	6.50	165
NF60	60A	100A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	13.00	330	6.50	165
NF60	60A	100A	600V	J	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	9.75	248	6.50	165
N100	100A	(non)	(non)	--	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	4.75	121	7.25	184
NF100	100A	100A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	11.50	292	7.50	191
NF100	100A	100A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	13.50	343	7.50	191
NF100	100A	100A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	10.25	260	7.50	191
NF100	100A	200A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	12.25	311	7.75	197
NF100	100A	200A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	14.75	375	7.75	197
NF100	100A	200A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	11.00	279	7.75	197
N200	200A	(non)	(non)	--	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	7.25	184	10.50	267
NF200	200A	200A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	15.00	381	10.50	267
NF200	200A	200A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	17.50	445	10.50	267
NF200	200A	200A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	13.75	349	10.50	267
NF200	200A	400A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	16.50	419	11.00	279
NF200	200A	400A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	19.50	495	11.00	279
NF200	200A	400A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	15.00	381	11.00	279

1494D Disconnect Mechanism

Allen-Bradley Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D[1]	
				72				84				90							
		Manufacturer	Frame(s)	A		B		A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N4/N40	150A	General Electric	TED,THED,TEC	9.87	251	9.25	235	15.37	390	14.75	375	18.37	467	17.75	451	5.87	149	4.62	117
N5/N55	225A	General Electric	TFK,THFK,TFC	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	4.75	121
N4/N40	150A	Westinghouse	F (series C)	9.87	251	9.25	235	15.37	390	14.75	375	18.37	467	17.75	451	5.87	149	4.62	117
N5/N50	250A	Westinghouse	J (series C)	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	4.75	121
N5/N60	400A	Westinghouse	K (series C)	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	5.87	149

* Do not install disconnects in this height enclosure

[1] Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Cutler-Hammer®

C361 Disconnect Mechanism

Cutler-Hammer Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D	
					72				84				90							
		Amp	Volt		A		B		A		B		A		B					
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
SC21	30A	30A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SC61	30A	30A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SC61	30A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
ND	60A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
SD22	60A	30A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SD22	60A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
SD62	60A	60A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
SD62	60A	60A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.00	203	6.25	159
NE	100A	(non)	(non)	--	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	4.25	108	7.50	191
SE263	100A	100A	250V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	9.00	229	7.50	191
SE263	100A	100A	600V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	9.00	229	7.50	191
SE263	100A	100A	600V	J	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	7.75	197	7.50	191
NF	200A	(non)	(non)	--	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260
SF264	200A	200A	250V	H,K,R	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260
SF264	200A	200A	600V	H,K,R	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260

C371 Disconnect Mechanism

Cutler-Hammer Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D	
				72				84				90							
		Manufacturer	Frame(s)	A		B		A		B		A		B					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C371E	150A	Cutler-Hammer	HMCP,FS,FH	11.87	301	11.62	295	17.37	441	17.12	435	20.37	517	20.12	511	6.00	152	5.75	146
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.87	301	11.50	292	17.37	441	17.00	432	20.37	517	20.00	508	11.00	279	8.25	210
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	11.87	301	11.00	279	17.37	441	16.50	419	20.37	517	19.50	495	9.75	248	8.25	210
C371G (2)	600A	Cutler-Hammer	LS,LH	11.87	301	9.37	238	17.37	441	14.87	378	20.37	517	17.87	454	8.50	216	12.00	305
C371K (3)	800A	Cutler-Hammer	MS,MH	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371K (3)	1200A	Cutler-Hammer	NS,NH	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371E	150A	Westinghouse	F (series C)	11.87	301	11.62	295	17.37	441	17.12	435	20.37	517	20.12	511	6.00	152	5.75	146
C371F (1)	250A	Westinghouse	J (series C)	11.87	301	11.50	292	17.37	441	17.00	432	20.37	517	20.00	508	9.00	229	8.25	210
C371F (1)	400A	Westinghouse	K (series C)	11.87	301	11.00	279	17.37	441	16.50	419	20.37	517	19.50	495	9.75	248	8.25	210
C371G (2)	600A	Westinghouse	LA,LC	11.87	301	9.37	238	17.37	441	14.87	378	20.37	517	17.87	454	8.50	216	12.00	305
C371K (3)	800A	Westinghouse	MC	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371K (3)(4)(5)	12000A	Westinghouse	NC	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305

* Do not install disconnects in this height enclosure

(1) Wire bending space "B" does not allow the use of cable larger than 300 MCM in 72H enclosures.
(2) Wire bending space "B" does not allow the use of cable larger than 250 MCM in 72H enclosures.
(3) Wire bending space "B" does not allow the use of cable larger than 300 MCM in 84H enclosures.
(4) Wire bending space "B" does not allow the use of 4 cables per terminal larger than 350 MCM in 90H enclosures.
(5) Wire bending space "B" does not allow the use of Westinghouse terminals TA1201NB1 in 84H or 90H enclosures

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

General Electric

TDA Disconnects

General Electric Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D	
					72				84				90							
					A		B		A		B		A		B					
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
TDOM1A	30A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	45	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1A	30A	30A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	30A	30A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	30A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	30A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1A	60A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	60A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1A	100A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	100A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	200A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	200A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM2	200A	(non)	(non)	--	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	7.00	178	9.25	235
TDOM2	200A	200A	250V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	15.50	394	9.25	235
TDOM2	200A	200A	600V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	15.50	394	9.25	235

General Electric Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D	
			72				84				90							
			A		B		A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB,TEC,TED,THED	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	7.00	178	5.50	140
TDOM1B	150A	TB1,TEC,TECL	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	11.50	292	5.50	140
TDOM1C	150A	TEL	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	7.00	178	5.50	140
TDOM1D	150A	THCL1	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.00	178	5.50	140
TDOM3	225A	TFJ,TFK,THFK,TFL	11.87	301	10.87	276	17.37	441	16.37	416	20.35	517	19.37	492	10.50	267	6.00	152
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	8.25	210	9.50	241
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	8.25	210	9.50	241
TDOM5	400A	TB4,TJH6S	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	14.25	362	9.50	241
TDOM6	225A	TLB2,THLC2	*	*	*	*	17.37	441	14.87	378	20.37	517	17.87	454	11.75	298	9.50	241
TDOM6	400A	TLB4,THLC4	*	*	*	*	17.37	441	13.50	343	20.37	517	16.50	419	11.75	298	9.50	241
TDOM6	800A	TKMA,THKMA,TK4V	*	*	*	*	*	*	*	*	20.37	517	17.87	454	11.75	298	9.50	241
TDOM6	1200A	TK4V,THK4V	*	*	*	*	*	*	*	*	20.37	517	17.87	454	11.75	298	9.50	241
TDOM7	600A	TB6	*	*	*	*	17.37	*	11.75	298	20.37	517	14.75	375	18.25	464	9.50	241
TDOM7	800A	TB8	*	*	*	*	17.37	*	11.75	298	20.37	517	14.75	375	18.25	464	9.50	241
TDOM7	1200A	TKL12S	*	*	*	*	*	*	*	*	20.37	517	14.75	375	18.25	464	9.50	241

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

I-T-E Siemens®

MAX-FLEX Disconnect Mechanism

Encl. Depth	I-T-E Mechanism for Circuit Breakers	Cable Length	Amp	Circuit Breaker Frame	Device Height		Enclosure Height A						C(1)						D(2)			
							72		84		90		nom		min		max		min		max	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
18	FHOE036	36	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-2.75	-70	13.50	343	3.00	76	9.75	248
	FHOE036	36	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	.06	2	16.87	428	3.00	76	9.75	248
	FHOF036	36	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	2.43	62	13.87	352	4.50	114	8.50	216
	FHOF036	36	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	7.25	184	18.62	473	4.50	114	8.50	216
	FHOJ036	36	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-2.87	-73	13.43	341	7.50	191	10.12	257
	FHOJ036	36	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.125	308	4.12	105	20.37	517	7.50	191	10.12	257
20	FHOE036	36	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	1.37	35	10.75	273	3.00	76	6.37	162
	FHOE036	36	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	4.62	117	14.00	356	3.00	76	6.37	162
	FHOF036	36	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	1.62	41	11.00	356	4.50	114	5.50	140
	FHOF036	36	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	6.43	163	15.87	403	4.50	114	5.50	140
	FHOJ036	36	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	0.00	0	10.62	270	7.50	191	7.25	184
	FHOJ036	36	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	6.93	176	17.50	445	7.50	191	7.25	184
18	*	48	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-15.37	-390	26.25	667	3.00	76	24.43	621
	*	48	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	-12.00	-305	29.50	749	3.00	76	24.43	621
	*	48	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	-15.00	-381	26.50	673	4.50	114	23.00	584
	*	48	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	-10.25	-260	30.37	771	4.50	114	23.00	584
	*	48	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-15.43	-393	26.12	663	7.50	191	24.50	622
	*	48	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	-8.50	-216	33.00	838	7.50	191	24.50	622
	FHON048	48	800A, 1200A	MD, ND	16.00	406	11.87	301	17.37	441	20.37	517	8.12	206	-5.12	-130	21.43	544	9.00	229	20.50	521
20	*	48	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-14.87	-378	25.25	641	3.00	76	23.43	595
	*	48	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	-11.50	-292	28.50	724	3.00	76	23.43	595
	*	48	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	-14.50	-368	25.50	648	4.50	114	22.00	559
	*	48	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	-9.75	-248	30.37	771	4.50	114	22.00	559
	*	48	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-14.93	-379	25.12	638	7.50	191	23.62	600
	*	48	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	-8.00	-203	32.00	813	7.50	191	23.62	600
	FHON048	48	800A 1200A	MD, ND	16.00	406	11.87	301	17.37	441	20.37	517	8.12	206	-5.12	-130	20.93	532	9.00	229	21.00	533
24	*	48	125A	ED	6.37	162	11.87	301	17.37	441	20.37	517	5.37	136	-13.37	-340	23.25	591	3.00	76	20.62	524
	*	48	125A	CED	9.62	244	11.87	301	17.37	441	20.37	517	8.50	216	-10.00	-254	26.50	673	3.00	76	20.62	524
	*	48	250A	FD	9.50	241	11.87	301	17.37	441	20.37	517	5.62	143	-13.00	-330	23.50	597	4.50	114	19.37	492
	*	48	250A	CFD	14.12	359	11.87	301	17.37	441	20.37	517	10.25	260	-8.25	-210	28.37	721	4.50	114	19.37	492
	*	48	400A, 600A	JD, LD	11.00	279	11.87	301	17.37	441	20.37	517	5.25	133	-13.43	-341	23.12	587	7.50	191	20.93	532
	*	48	400A, 600A	CJD	17.87	454	11.87	301	17.37	441	20.37	517	12.12	308	-6.50	-165	30.00	762	7.50	191	20.93	532
	FHON048	48	800A, 1200A	MD,ND	16.00	406	11.87	301	17.37	441	20.37	517	8.12	206	-3.12	-79	19.93	506	9.00	229	20.50	521

I-T-E SIEMENS MAX-FLEX Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Types
FHOE036	36	ED2 ,ED4, ED6, HED4, HED6, ED6ETI
FHOE036	36	CED6, CED6ETI
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI
FHOF036	36	CFD6, CFD6ETI
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6,LXD6, HLD6, LXD6ETI, SHJD6, SLD6, SHLD6
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI,SCJD6,SCLD6
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6,CND6,SND6,SCND6

* Non-standard mechanism with 48 inch operating cable must be specified.
(1) Flexible operating cable allows disconnect to be mounted within min and max of "C" dimension when "D" is minimum.
(2) Flexible operating cable allows disconnect to be mounted within min and max of "D" dimension when "C" is nominal

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions. Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Square D®

9422 Disconnect Mechanism

Square D Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D	
					72				84				90							
					A		B		A		B		A		B					
		Amp	Volt		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	--	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	3.25	83	7.25	184
RC-2	30A	30A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	5.00	127	7.25	184
RC-3	30A	30A	600V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	8.00	203	7.25	184
RC-3	30A	30A	600V	J	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	5.00	127	7.25	184
RC-3	30A	60A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	6.00	152	7.25	184
TC-1	30A	(non)	(non)	--	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-2	30A	30A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-3	30A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.75	197	6.25	159
TC-3	30A	30A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-3	30A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	6.00	152	6.25	159
TD-1	60A	(non)	(non)	--	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TD-2	60A	30A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	8.50	216	6.75	171
TD-2	60A	60A	250V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TD-3	60A	60A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	9.00	229	6.75	171
TD-3	60A	60A	600V	J	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TE-1	100A	(non)	(non)	--	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	8.50	216
TE-2	100A	100A	250V	H,K,R	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	7.50	191	8.50	216
TE-2	100A	100A	600V	H,K,R	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	9.50	241	8.50	216
TE-2	100A	100A	600V	J	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	6.25	159	8.50	216
TE-3	100A	200A	600V	J	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	13.75	349	8.50	216
TF-1	200A	(non)	(non)	--	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	5.50	140	11.75	298
TF-2	200A	200A	250V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	11.50	292	11.75	298
TF-2	200A	200A	600V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	14.00	356	11.75	298
TF-2	200A	200A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	10.25	260	11.75	28
TF-3	200A	400A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	14.50	368	11.75	298

Square D Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D	
			72				84				90							
			A		B		A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL,FHL,FCL	7.87	200	6.87	174	17.37	441	16.37	416	20.37	517	19.37	492	5.25	133	5.50	140
RP-1	250A	KAL,KHL,KCL	7.87	200	6.62	168	17.37	441	17.12	435	20.37	517	20.12	511	7.25	184	5.75	146
RR-1	400A	LAL,LHL,Q4L	*	*	*	*	17.37	441	12.75	324	20.37	517	15.75	400	7.75	197	9.00	229
RR-2	400A	ILL	*	*	*	*	17.37	441	17.12	435	20.37	517	20.12	511	11.00	279	15.75	400
RT-1	800A	MEL	*	*	*	*	17.37	441	12.62	321	20.37	517	15.62	397	9.25	235	12.00	305
RT-1	1000A	MAL,MHL	*	*	*	*	17.37	441	12.62	321	20.37	517	16.62	422	9.25	235	12.00	305

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D Pivot Width			
					72				84				90						variable		fixed	
		Amp	Volt		A		B		A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS16U	30A	(non)	(non)	--	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS121R	30A	30A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS161U	30A	30A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS122	30A	60A	250V	H,R	13.12	333	12.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS162	30A	60A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS26U	60A	(non)	(non)	--	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS222R	60A	60A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS262R	60A	60A	600V	H,J,R	13.12	333	12.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS263	60A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS263	60A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS36U	100A	(non)	(non)	--	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS363R	100A	100A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	10.25	260	9.00	229	7.00	178
DS363R	100A	100A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	12.25	311	9.00	229	7.00	178
DS364 (1)	100A	200A	250V	H,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS364 (1)	100A	200A	600V	H,J,R	13.12	333	13.25	337	18.62	473	18.75	476	21.62	549	21.75	552	5.25	133	9.00	229	7.00	178
DS46U	200A	(non)	(non)	--	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	6.00	152	12.00	305	10.00	254
DS464R	200A	200A	250V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	14.00	356	12.00	305	10.00	254
DS464R	200A	200A	600V	H,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	15.25	387	12.00	305	10.00	254
DS464R	200A	200A	600V	J	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	14.00	356	12.00	305	10.00	254
DS465 (1)	200A	400A	250V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	6.00	152	12.00	305	10.00	254
DS465 (1)	200A	400A	600V	H,J,R	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	6.00	152	12.00	305	10.00	254

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D Pivot Width			
			72				84				90						variable		fixed	
			A		B		A		B		A		B							
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
EB	100A	EB	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	5.50	140	9.25	235	7.25	184
FB TRI-PAC	100A	FB TRI-PAC	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	8.25	210	9.25	235	7.25	184
MCP	150A	MCP (0-4) current limit	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	8.25	210	9.25	235	7.25	184
F FRAME	150A	F (series C)	13.12	333	12.37	314	18.62	473	17.87	454	21.62	549	20.87	530	5.50	140	9.25	235	7.25	184
J FRAME	250A	J (series C)	13.12	333	9.50	241	18.62	473	15.00	381	21.62	549	18.00	457	6.75	171	9.25	235	--	--
K FRAME	400A	K (series C)	13.12	333	9.00	229	18.62	473	14.50	368	21.62	549	17.50	445	8.25	210	9.25	235	--	--
LA TRI-PAC	400A	LA TRI-PAC	*	*	*	*	18.62	473	16.50	419	21.62	549	19.50	495	14.25	362	12.00	305	--	--
LA,LC	600A	LA,LAB,HLA,LC,HLC	13.12	333	11.00	279	18.62	473	16.50	419	21.62	549	19.50	495	9.00	229	12.00	305	--	--
MC	800A	MC,HMC	*	*	*	*	18.62	473	12.87	327	21.62	549	15.87	403	10.50	267	12.00	305	--	--
NB TRI-PAC	800A	NB TRI-PAC	*	*	*	*	18.62	473	12.87	327	21.62	549	15.87	403	10.50	267	12.00	305	--	--
NB,NC	1200A	NB,HNB,NC,HNC	*	*	*	*	18.62	473	12.87	327	21.62	549	15.87	403	10.50	267	12.00	305	--	--

* Do not install disconnects in this height enclosure.

(1) Dimensions "C" and "D" on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Westinghouse®

AMT Disconnect Mechanism

Westinghouse Mechanism for Switches	Amp	Switch Type	Fuse Class	Enclosure Height 72 A in.	72 A mm	72 B in.	72 B mm	84 A in.	84 A mm	84 B in.	84 B mm	90 A in.	90 A mm	90 B in.	90 B mm	C in.	C mm	D in.	D mm
SM100R	30A	De-ion Switch	--	11.31	287	11.25	286	16.81	427	16.75	425	19.81	503	19.75	502	6.62	168	4.75	121
SM100R	60A	De-ion Switch	--	11.31	287	11.25	286	16.81	427	16.75	425	19.81	503	19.75	502	6.62	168	4.75	121
SM100R	100A	De-ion Switch	--	11.31	287	9.75	248	16.81	427	15.25	387	19.81	503	18.25	464	6.62	168	5.25	133
SM100SFR	30A	DS121R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.00	178	5.50	140
SM100SFR	30A	DS122	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.87	200	5.50	140
SM100SFR	60A	DS222R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.87	200	5.50	140
SM100SFR	30A	DS161R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.00	254	5.50	140
SM100SFR	30A	DS161R	J	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.25	184	5.50	140
SM100SFR	60A	DS262H	J	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	7.25	184	5.50	140
SM100SFR	30A	DS162	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.37	263	5.50	140
SM100SFR	60A	DS262R	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.37	263	5.50	140
SM100SFR	100A	DS363R(250V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	10.25	260	5.50	140
SM100SFR	100A	DS363R(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	12.12	308	5.50	140
SM100SFR	60A	DS263(600V)	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	12.12	308	5.50	140
SM100SFR	100A	DS363R	J	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	8.87	225	5.50	140
SM150R	30A	DS16U Switch	--	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM150R	60A	DS26U Switch	--	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM150R (1)	100A	DS36U Switch	--	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM150R (1)	100A	DS364	H,R	11.31	287	11.50	292	16.81	427	17.00	432	19.81	503	20.00	508	5.12	130	5.50	140
SM200SR (1)	200A	DS46U Switch	--	10.87	276	9.00	229	16.37	416	14.50	368	19.37	492	17.50	445	7.37	187	6.75	171
SM200SR (1)	200A	DS465	H,R	10.87	276	9.00	229	16.37	416	14.50	368	19.37	492	17.50	445	7.37	187	6.75	171
SM200SFR	200A	DS464R	H,R	10.87	276	9.00	229	16.37	416	14.50	368	19.37	492	17.50	445	15.25	387	6.75	171

Westinghouse Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height 72 A in.	72 A mm	72 B in.	72 B mm	84 A in.	84 A mm	84 B in.	84 B mm	90 A in.	90 A mm	90 B in.	90 B mm	C in.	C mm	D in.	D mm
SM150R	100A	EB	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	5.12	130	5.50	140
SM101PR	100A	FB TRI-PAC	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	8.00	203	5.50	140
SM101PR	150A	MCP (0-4) current limiting	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	8.00	203	5.50	140
SM150R	150A	F (series C)	11.31	287	10.50	267	16.81	427	16.00	406	19.81	503	19.00	483	8.00	203	5.50	140
SM250JR	250A	J (series C)	10.87	276	8.00	203	16.37	416	13.50	343	19.37	492	16.50	419	8.50	216	7.50	191
SM400KR	400A	K (series C)	10.87	276	7.62	194	16.37	416	13.12	333	19.37	492	16.12	409	9.12	232	7.50	191
SM400PR	400A	LA TRI-PAC	10.87	276	7.75	197	16.37	416	13.25	337	19.37	492	16.25	413	14.50	368	9.75	248
SM400R	600A	LA,LAB,HLA	10.87	276	7.75	197	16.37	416	13.25	337	19.37	492	16.25	413	9.25	235	9.75	248
SM400R	600A	LC, HLC	10.87	276	7.75	197	16.37	416	13.25	337	19.37	492	16.25	413	9.25	235	9.75	248
SM800R	800A	MA,HMA,MC,HMC	*	*	*	*	16.37	416	9.62	244	19.37	492	12.62	413	10.75	273	9.75	248
SM800R	800A	NB TRI-PAC	*	*	*	*	16.37	416	9.62	244	19.37	492	12.62	413	16.87	428	9.75	248
SM1200R	1200A	NB.HNB,NC,HNC	*	*	*	*	16.37	416	9.62	244	19.37	492	12.62	413	10.75	273	9.75	248

* Do not install disconnects in this height enclosure.

(1) Dimensions “C” and “D” on these disconnects do not include space for fuse blocks which are mounted separately.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Notes: Refer to detail sheet for drawing information and associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

ALLEN-BRADLEY

Standard enclosures designed to accept variable depth type 1494V.

Allen-Bradley 1494V disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and Load connectors, (if necessary).
7. Connecting rod.

Allen-Bradley 1494V circuit breaker:

1. Circuit breaker (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

NOTE: Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley 1494F disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).

Allen-Bradley 1494D circuit breaker:

1. Circuit breaker, (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Slide mechanism

CUTLER-HAMMER

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer C361 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary) .

NOTE: Items 1, 2 and 3 can be ordered as an assembly.

Cutler-Hammer C371 circuit breaker:

1. Circuit breaker, (Cutler-Hammer, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).

NOTE: Items 2 and 3 can be ordered as an assembly.

GENERAL ELECTRIC

Standard enclosures designed to accept variable depth type TDA.

General Electric TDA disconnect switch:

1. Disconnect switch, (QMR, QMW).
2. Operating mechanism.
3. Operating handle TDA1.
4. Fuse clip kit or no-fuse kit, (if required).
5. Line and load connectors, (if necessary).
6. Extended length drive rod, (if required).

NOTE: These items can be ordered as an assembly.

General Electric TDA circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle TDA1.
4. Line and load connectors, (if necessary).
5. Extended length drive rods, (if required).

I-T-E SIEMENS

Standard enclosures designed to accept Max-Flex type FHO.

I-T-E Max-Flex circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Operating cable.

NOTE: Items 2, 3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch deep enclosures require a 48 inch long cable.

Notes: Data subject to change without notice.

Type 12 Heavy-Duty Free-Standing Flange-Mount Enclosure Disconnects

Disconnect Ordering Information

SQUARE D

Standard enclosures designed to accept variable depth type 9422.

Square D 9422 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Connecting rod.

Square D 9422 circuit breaker:

1. Circuit Breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

WESTINGHOUSE

Standard enclosures designed to accept below handle type AMT.

Westinghouse AMT disconnect switch:

1. Disconnect switch.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Fuse block kit, (if required).
6. Fuse clip kit, (if required).
7. Line and load connectors, (if necessary).
8. Connecting rod.

Westinghouse AMT circuit breaker:

1. Circuit breaker.
2. Pivot mechanism assembly for below handle mounting.
3. Backplate and yoke assembly for below handle mounting.
4. Operating handle.
5. Line and load connectors, (if necessary).
6. Connecting rod.

Standard enclosures designed to accept fixed depth type SM.

Westinghouse SM disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).

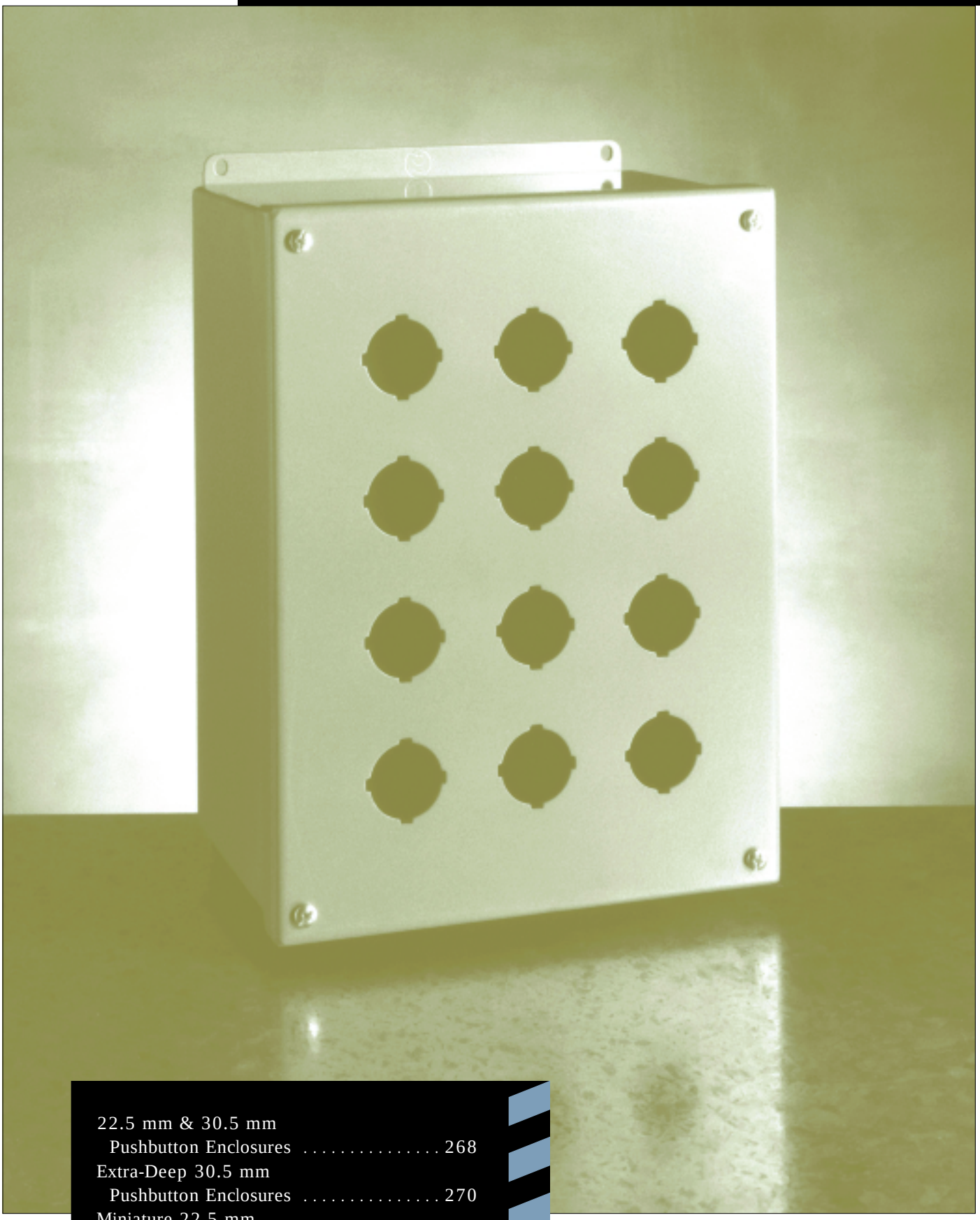
Westinghouse SM circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).

Important Note

When ordering flange-mounted disconnect equipment be sure to include all necessary components.

1. Enclosure includes the following equipment:
   Enclosure door locking handle and rods
   Door interlocking system
   Interlocking connecting rod
   Adjustable bracket, (see note 3)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used MUST be ordered separately (see page 331)
3. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
   Cutler-Hammer C361 device
   Cutler-Hammer C371 E and F devices unless long connecting rod C371CS1 is specified
   Cutlet-Hammer C371 G and K devices unless long connecting rod C371CS2 is specified
   General Electric TDA device unless extended length rod TDSR is specified.
   Square D 9422 device unless extra long connecting rod 9422-R2 is specified.
4. Disconnects and related components are available from the manufacturer.
5. The disconnect ordering information provided is derived from information supplied be the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



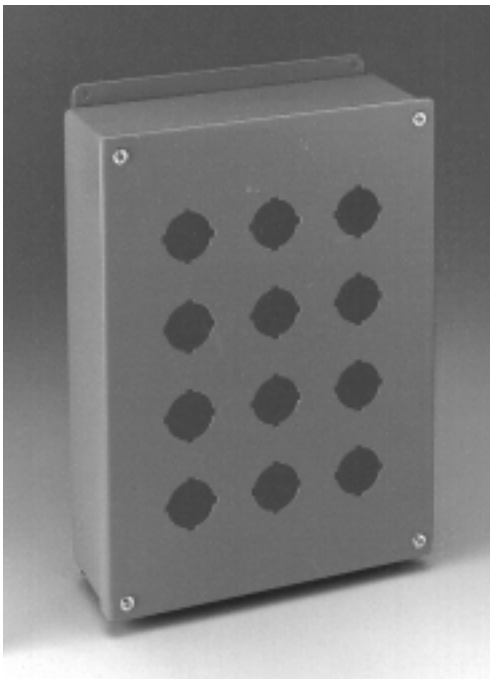
TYPE 12/13 PUSHBUTTON ENCLOSURES

22.5 mm & 30.5 mm
Pushbutton Enclosures 268
Extra-Deep 30.5 mm
Pushbutton Enclosures 270
Miniature 22.5 mm
Pushbutton Enclosures 272
Hinge Cover 30.5 mm
Pushbutton Enclosures 274
Angle Front Pushbutton Enclosures 276

B-Line
SYSTEMS THAT MAKE SENSE
ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 12 22.5 mm & 30.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount standard 30.5 mm or miniature 22.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from (14) gauge steel, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has concealed, detachable hinges which allow for quick removal and can be hinged on either side (not offered on all sizes)
- Cover has a fixed, oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm or miniature 22.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

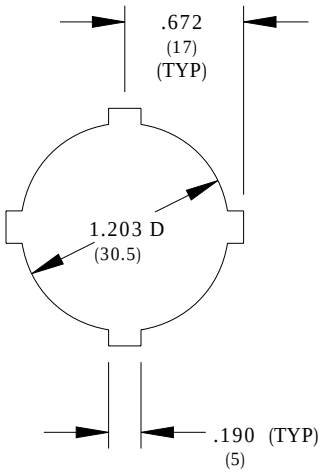
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosure cover and sides of body have a smooth brushed finish

Standards

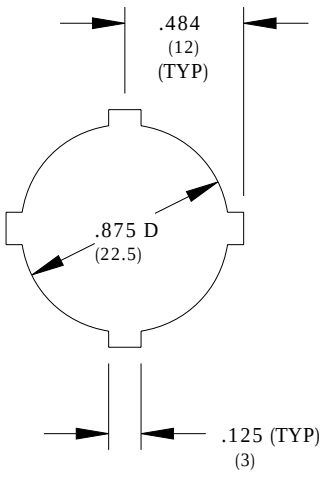
- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Standard 4-Way



Miniature 4-Way

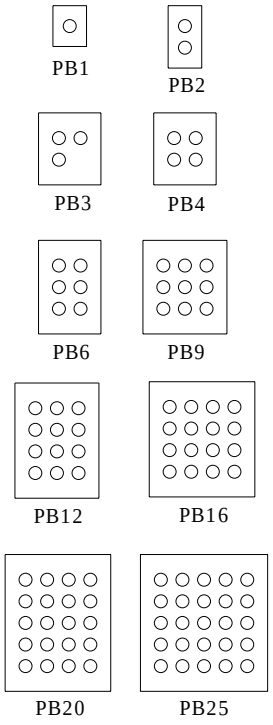
Note: B-Line Systems can provide special sizes, finishes and other custom holes and cutouts, see page 278. Consult the factory for your special requirements.

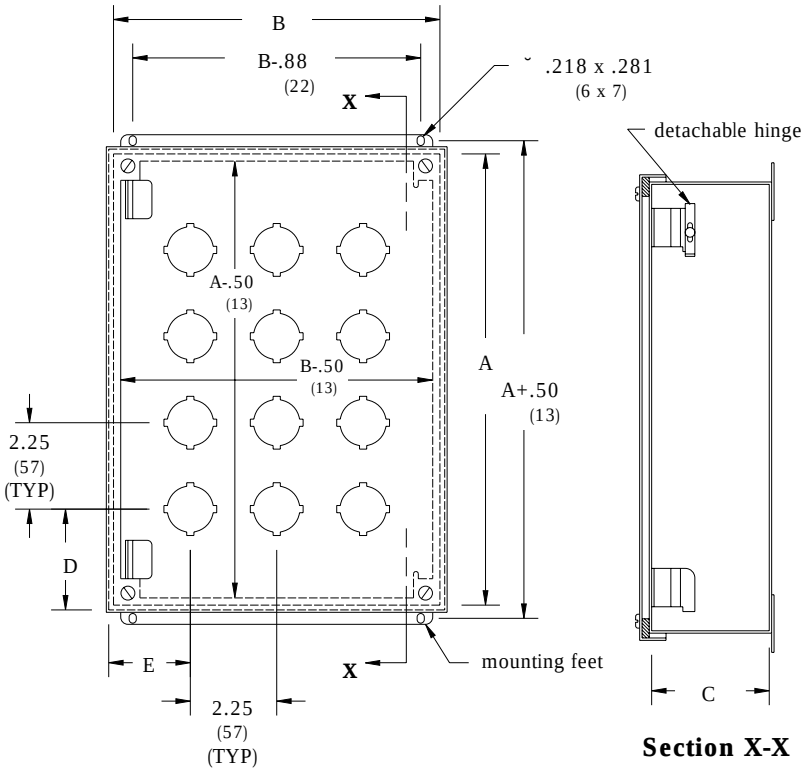
Type 12 22.5 mm & 30.5 mm Pushbutton Enclosures

Catalog Number

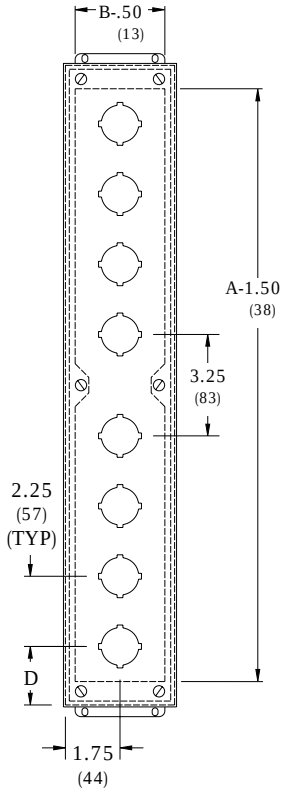
Enclosure Catalog Number (30.5 mm Hole)			Enclosure Catalog Number (22.5 mm Hole)		Holes	Enclosure Size Height Width Depth A x B x C		D		E	
Steel	Type 304 Stainless	Type 316L Stainless	Steel	Type 304 Stainless		in.	mm	in.	mm	in.	mm
PB1*	PB1SS*	PB1SS6*	PB1M*	PB1MSS*	1	4.00x3.25x3.00	102x83x76	2.12	54	1.75	44
PB2*	PB2SS*	PB2SS6*	PB2M*	PB2MSS*	2	5.75x3.25x3.00	146x83x76	2.12	54	1.75	44
PB3	-	-	-	-	3	7.25x6.25x3.00	184x159x76	2.62	67	2.12	54
PB4	-	-	-	-	4	7.25x6.25x3.00	184x159x76	2.62	67	2.12	54
PB6	PB6SS	PB6SS6	-	-	6	9.50x6.25x3.00	241x159x76	2.62	67	2.12	54
PB9	PB9SS	PB9SS6	-	-	9	9.50x8.50x3.00	241x216x76	2.62	67	2.12	54
PB12	PB12SS	PB12SS6	-	-	12	11.75x8.50x3.00	298x216x76	2.62	67	2.12	54
PB16	-	-	-	-	16	11.75x10.75x3.00	298x273x76	2.62	67	2.12	54
PB20	-	-	-	-	20	14.00x10.75x3.00	356x273x76	2.62	67	2.12	54
PB25	-	-	-	-	25	14.00x13.00x3.00	356x330x76	2.62	67	2.12	54
PV3*	PV3SS*	PV3SS6*	PV3M*	PV3MSS*	3	8.00x3.25x2.75	203x83x70	2.12	54	1.75	44
PV4*	PV4SS*	PV4SS6*	PV4M*	PV4MSS*	4	10.25x3.25x2.75	260x83x70	1.87	47	1.75	44
PV5*	-	-	-	-	5	12.50x3.25x2.75	318x83x70	1.87	47	1.75	44
PV6*	-	-	-	-	6	14.75x3.25x2.75	375x83x70	1.87	47	1.75	44
PV8*	-	-	-	-	8	20.25x3.25x2.75	514x83x70	1.87	47	1.75	44
PV10*	-	-	-	-	10	24.75x3.25x2.75	629x83x70	1.87	47	1.75	44

* Enclosures are not hinged.

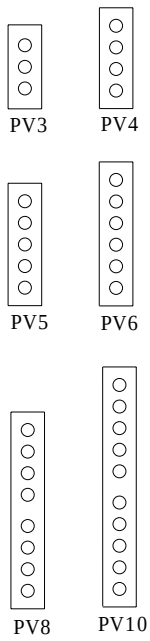




Section X-X



PV Series Typical 8 & 10 Hole

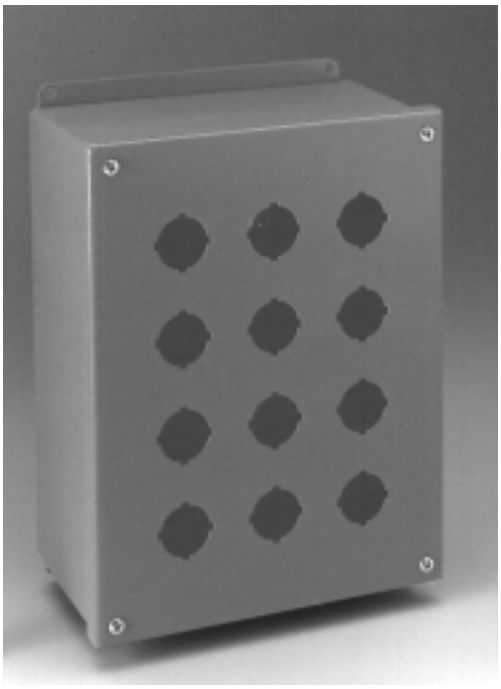


Cover Hole Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Extra-Deep 30.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from (14) gauge steel or Type 304 stainless steel
- Enclosure has extra depth for those components that require more room
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has concealed, detachable hinges which allow for quick removal and can be hinged on either side (PBX Series only)
- Cover has a fixed, oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm "4-way" pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

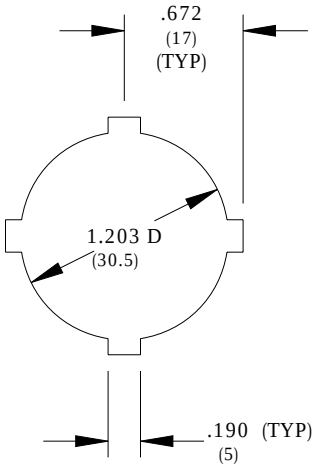
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosure cover and sides of body have a smooth brushed finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Standard 4-Way

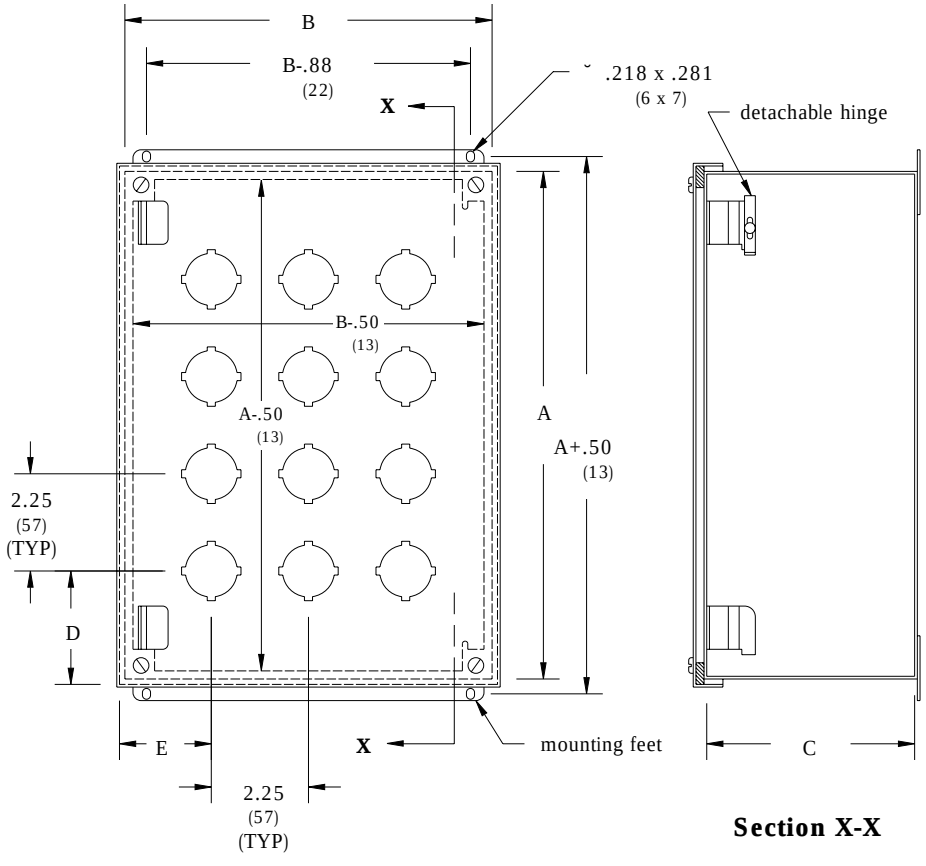
Note: B-Line Systems can provide special sizes, finishes and other custom holes and cutouts, see page 278. Consult the factory for your special requirements.

Type 12 Extra-Deep 30.5 mm Pushbutton Enclosures

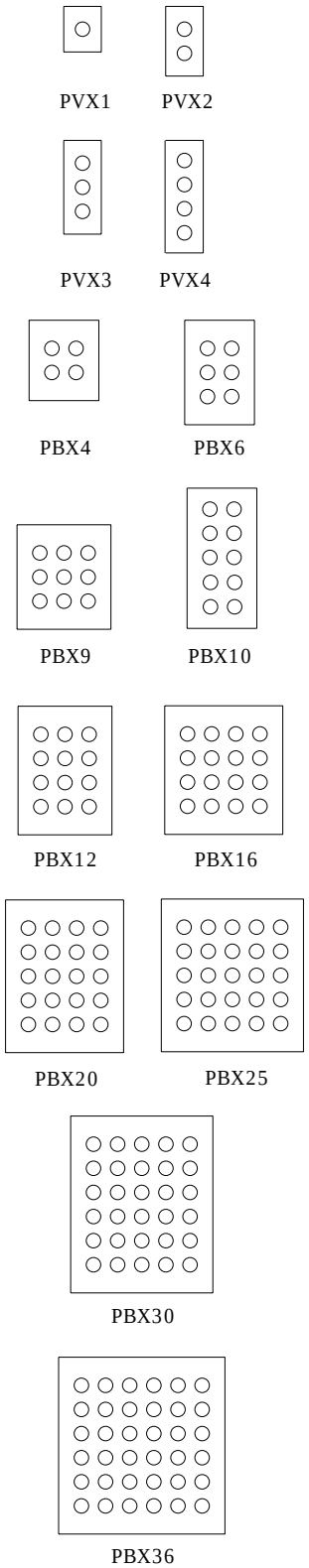
Catalog Number

Enclosure Catalog Number		Holes	Enclosure Size Height Width Depth A x B x C		D		E	
Steel	Type 304 Stainless		in.	mm	in.	mm	in.	mm
PVX1*	PVX1SS*	1	4.00x4.00x4.75	102x102x121	2.12	54	1.75	44
PVX2*	PVX2SS*	2	6.00x4.00x4.75	152x102x121	2.12	54	1.75	44
PVX3*	PVX3SS*	3	8.00X4.00X4.75	203X102X121	2.12	54	1.75	44
PVX4*	PVX4SS*	4	10.00x4.00x4.75	254x102x121	1.87	47	1.75	44
PBX4	-	4	7.25x6.25x4.75	184x159x121	2.62	67	2.12	54
PBX6	-	6	9.50x6.25x4.75	241x159x121	2.62	67	2.12	54
PBX9	-	9	9.50x8.50x4.75	241x216x121	2.62	67	2.12	54
PBX10	-	10	14.00x6.25x4.75	356x159x121	2.62	67	2.12	54
PBX12	-	12	11.75x8.50x4.75	298x216x121	2.62	67	2.12	54
PBX16	-	16	11.75x10.75x4.75	298x273x121	2.62	67	2.12	54
PBX20	-	20	14.00x10.75x4.75	356x273x121	2.62	67	2.12	54
PBX25	-	25	14.00x13.00x4.75	356x330x121	2.62	67	2.12	54
PBX30	-	30	16.25x13.00x4.75	413x330x121	2.62	67	2.12	54
PBX36	-	36	16.25x15.25x4.75	413x387x121	2.62	67	2.12	54

* Enclosures are not hinged.



Section X-X

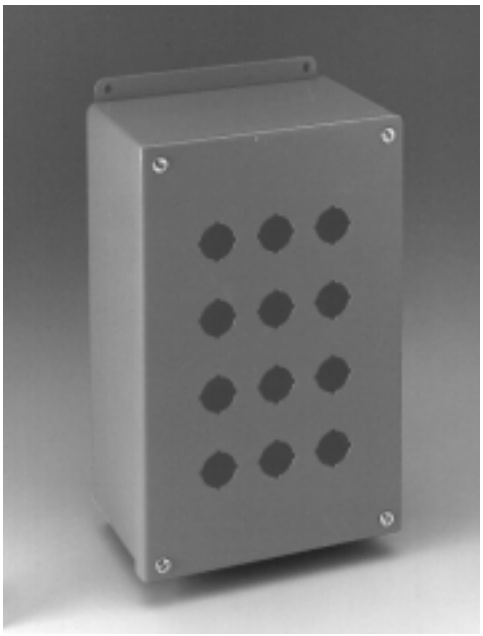


Cover Hole Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Miniature 22.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount miniature 22.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Covers more than 2.75 inches wide have concealed, detachable hinges which allow for quick removal and can be hinged on either side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with miniature 22.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

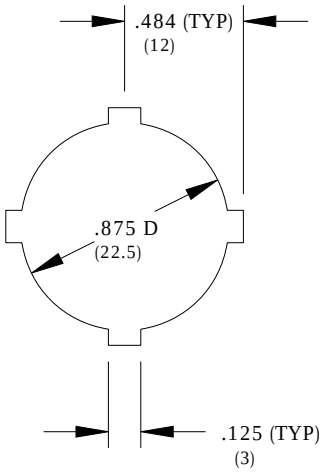
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Miniature 4-Way

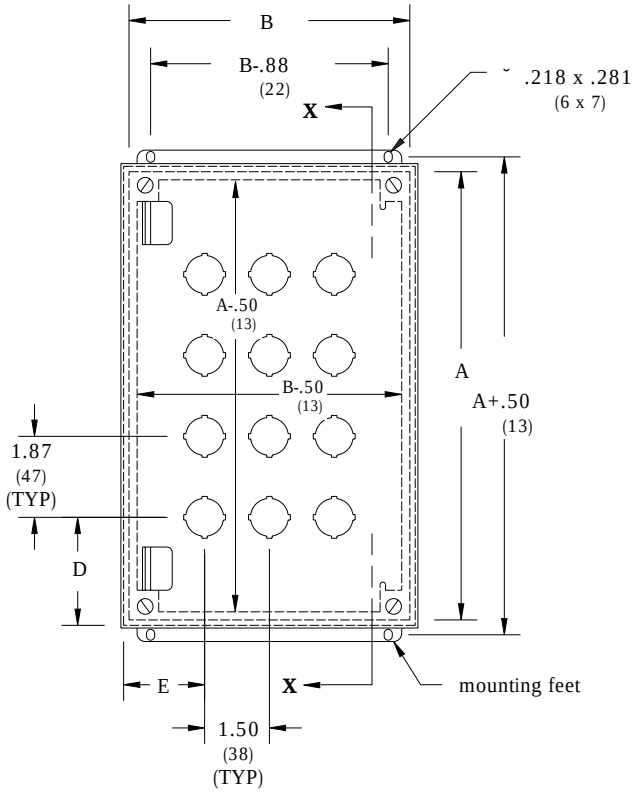
Note: B-Line Systems can provide special sizes, finishes and other custom holes and cutouts, see page 278. Consult the factory for your special requirements.

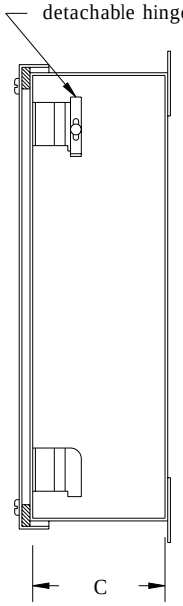
Type 12 Miniature 22.5 mm Pushbutton Enclosures

Catalog Number

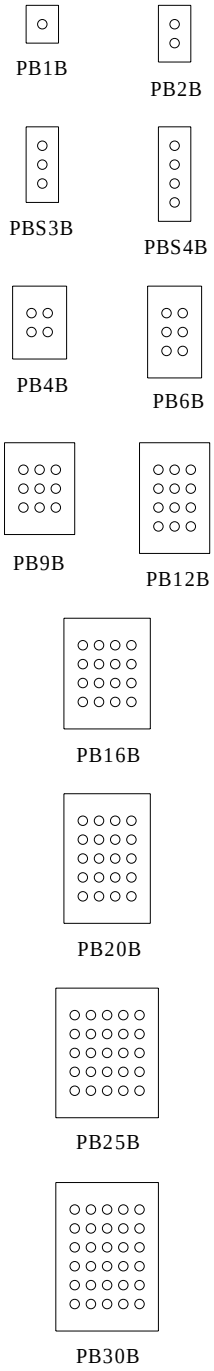
Enclosure Catalog Number	Holes	Enclosure Size Height Width Depth A x B x C in.	Enclosure Size Height Width Depth A x B x C mm	D in.	D mm	E in.	E mm
PB1B*	1	3.25x2.75x3.50	83x70x89	1.75	44	1.50	38
PB2B*	2	5.12x2.75x3.50	130x70x89	1.75	44	1.50	38
PBS3B*	3	7.00x2.75x3.50	178x70x89	1.75	44	1.50	38
PBS4B*	4	8.87x2.75x3.50	225x70x89	1.75	44	1.50	38
PB4B	4	6.62x5.00x3.50	168x127x89	2.50	64	1.87	47
PB6B	6	8.50x5.00x4.25	216x127x108	2.50	64	1.87	47
PB9B	9	8.50x6.50x4.25	216x165x108	2.50	64	1.87	47
PB12B	12	10.37x6.50x4.25	263x165x108	2.50	64	1.87	47
PB16B	16	10.37x8.00x4.25	263x203x108	2.50	64	1.87	47
PB20B	20	12.25x8.00x4.25	311x203x108	2.50	64	1.87	47
PB25B	25	12.25x9.50x4.25	311x241x108	2.50	64	1.87	47
PB30B	30	14.12x9.50x4.25	359x241x108	2.50	64	1.87	47

* Enclosures are not hinged.





Section X-X

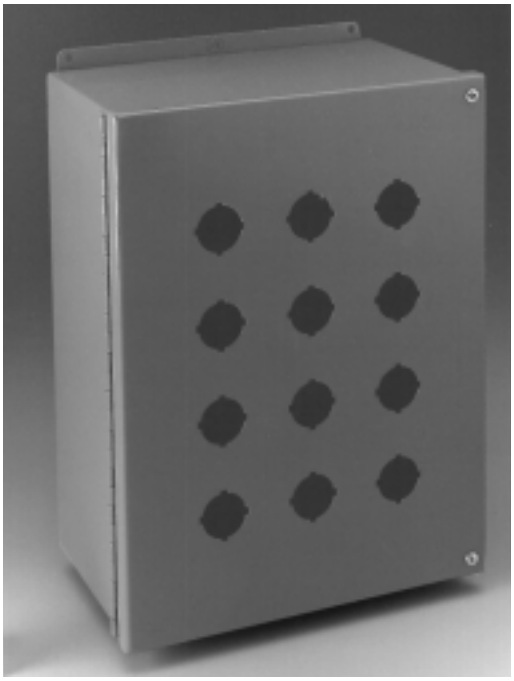


Cover Hole Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Hinge Cover 30.5 mm Pushbutton Enclosures With Panel

Data Sheet



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping noncorrosive liquid

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm “4-way” pushbutton holes
- Heavy gauge panel mounted to weldnuts is provided with enclosure
- External mounting feet are provided for secure wall mounting

Finish

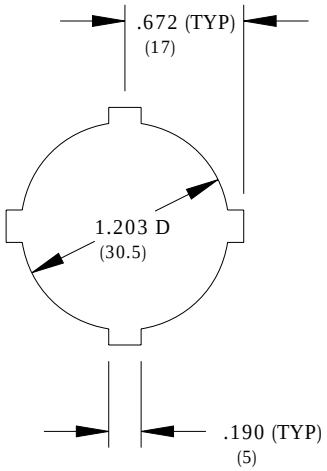
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have white enamel finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



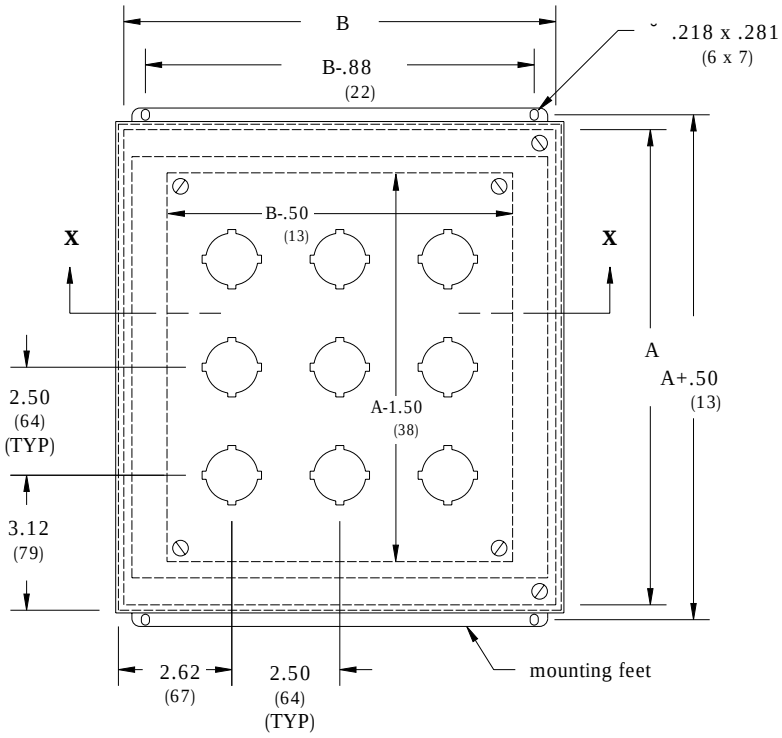
Standard 4-Way

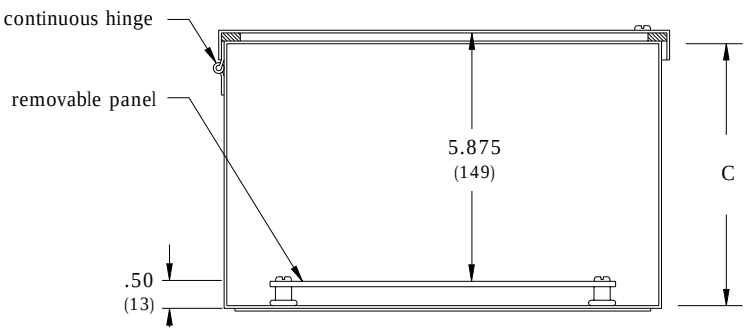
Note: B-Line Systems can provide special sizes, finishes and other custom holes and cutouts, see page 278. Consult the factory for your special requirements.

Type 12 Hinge Cover 30.5 mm Pushbutton Enclosures With Panel

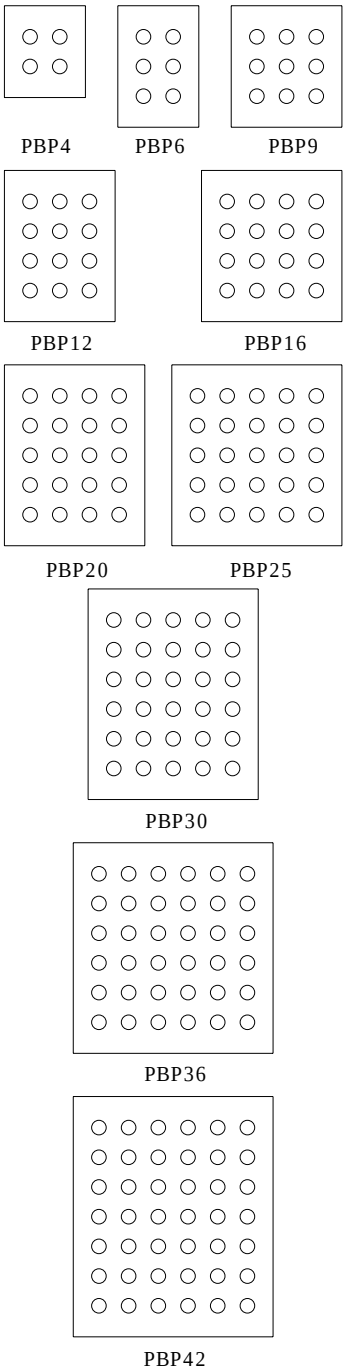
Catalog Number

Enclosure Catalog Number	Holes	Enclosure Size Height Width Depth A x B x C in.	Enclosure Size Height Width Depth A x B x C mm	Panel Size Height x Width in.	Panel Size Height x Width mm
PBP4	4	8.50x7.50x6.00	216x191x152	6.50 x 5.50	35 x 140
PBP6	6	11.00x7.50x6.00	279x191x152	9.00 x 5.50	229 x 140
PBP9	9	11.00x10.00x6.00	279x254x152	9.00 x 8.00	229 x 203
PBP12	12	13.50x10.00x6.00	343x254x152	11.50 x 8.00	292 x 203
PBP16	16	13.50x12.50x6.00	343x318x152	11.50 x 10.50	292 x 267
PBP20	20	16.00x12.50x6.00	406x318x152	14.00 x 10.50	356 x 267
PBP25	25	16.00x15.00x6.00	406x381x152	14.00 x 13.00	356 x 330
PBP30	30	18.50x15.00x6.00	470x381152	16.50 x 13.00	419 x 330
PBP36	36	18.50x17.50x6.00	470x445x152	16.50 x 15.50	419 x 394
PBP42	42	21.00x17.50x6.00	533x445x152	19.00 x 15.50	483 x 394





Section X-X

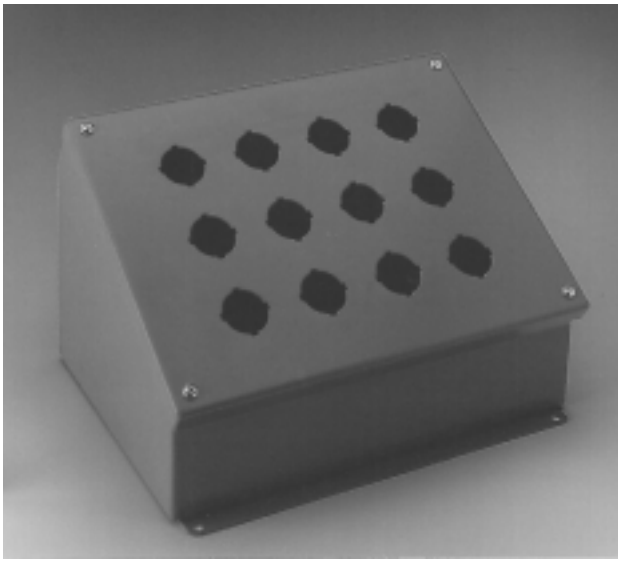


Cover Hole Layout

Notes: See data page for hole detail. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Angle Front 30.5 mm Pushbutton Enclosures

Data Sheet



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Designed with angle front for mounting in either 30° or 60° positions
- Protects against circulating dust, falling dirt and dripping noncorrosive liquid

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Covers more than 3.25 inches high have concealed, detachable hinges which allow for quick removal and can be hinged on either side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Finish

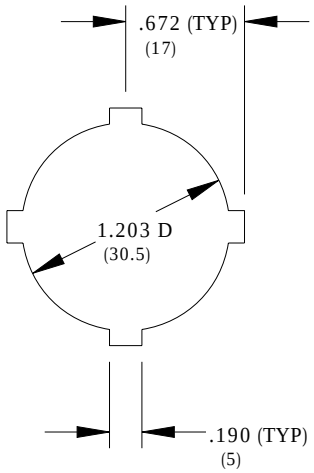
- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Accessories

- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section



Standard 4-Way

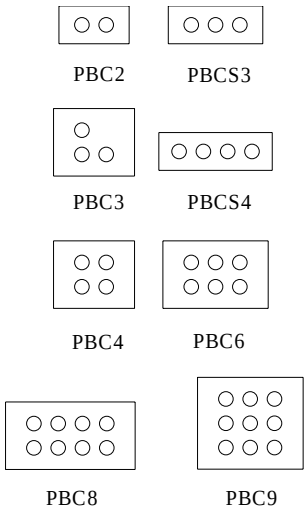
Note: B-Line Systems can provide special sizes, finishes and other custom holes and cutouts, see page 278. Consult the factory for your special requirements.

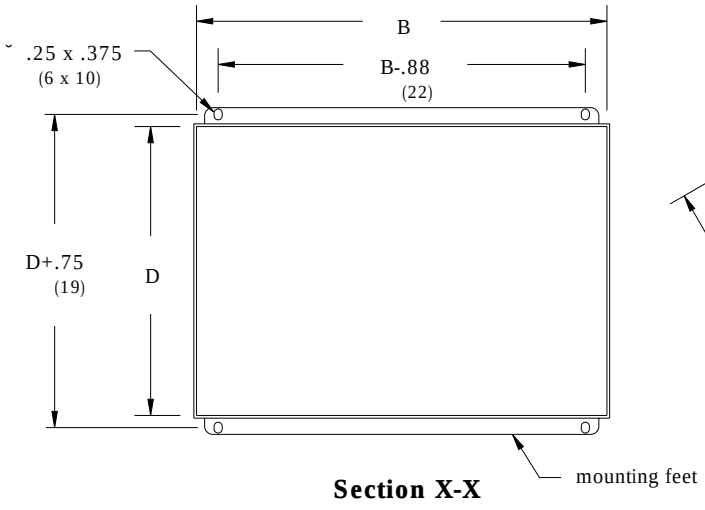
Type 12 Angle Front 30.5 mm Pushbutton Enclosures

Catalog Number

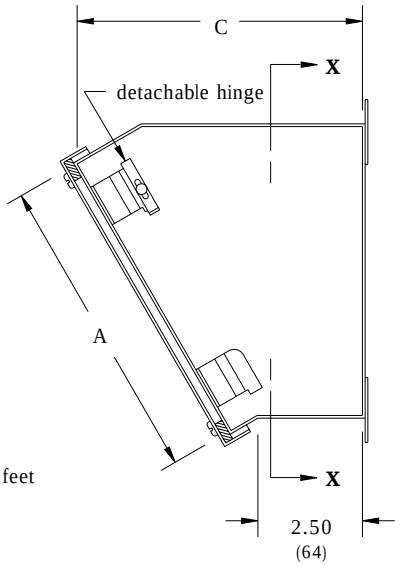
Enclosure Catalog Number	Holes	Enclosure Size Height Width Depth A x B x C in.	mm	D in.	D mm	E in.	E mm	F in.	F mm
PBC2*	2	3.25x6.25x4.81	83x159x122	3.31	84	1.75	44	2.12	54
PBCS3*	3	3.25x8.50x4.81	83x216x122	3.31	84	1.75	44	2.12	54
PBC3	3	6.25x7.25x6.37	159x184x162	5.90	150	2.12	54	2.62	67
PBCS4*	4	3.25x10.25x4.81	83x260x122	3.31	84	1.75	44	1.87	47
PBC4	4	6.25x7.25x6.37	159x184x162	5.90	150	2.12	54	2.62	67
PBC6	6	6.25x9.50x6.37	159x241x162	5.90	150	2.12	54	2.62	67
PBC8	8	6.25x11.75x6.37	159x298x162	5.90	150	2.12	54	2.62	67
PBC9	9	9.50x8.50x7.88	241x216x200	8.84	225	2.12	54	2.62	67
PBCS12	12	6.25x16.25x6.37	159x413x162	5.90	150	2.12	54	2.62	67
PBC12	12	8.50x11.75x7.50	216x298x191	7.84	199	2.12	54	2.62	67
PBC16	16	10.75x11.75x8.62	273x298x219	9.78	248	2.12	54	2.62	67
PBC20	20	10.75x14.00x8.62	273x356x219	9.78	248	2.12	54	2.62	67
PBC25	25	13.00x14.00x9.75	330x356x248	11.75	298	2.12	54	2.62	67

* Enclosures are not hinged.

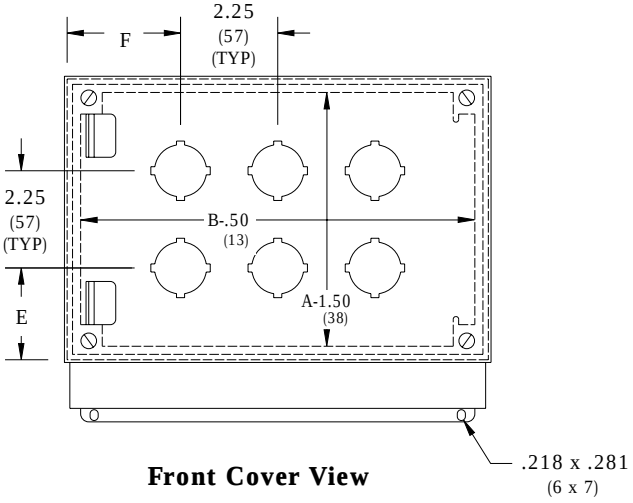




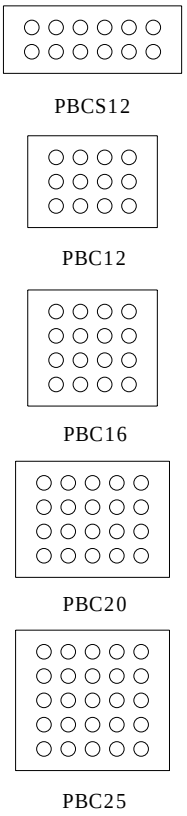
Section X-X



Side Section View



Front Cover View

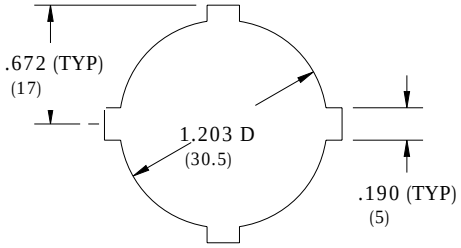


Cover Hole Layout

Notes: See data page for hole detail. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

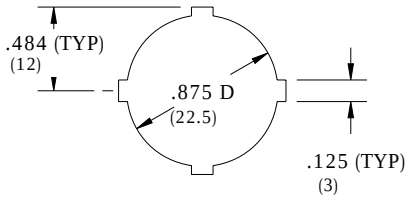
Pushbutton Enclosures Hole and Cutout Information

Data Sheet



Standard 4-Way (Type S4-WAY)

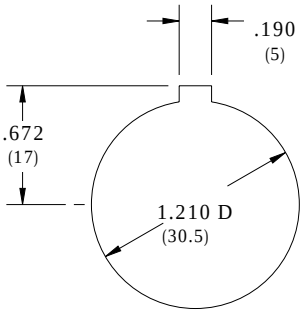
B-Line Systems' standard "4-way" pushbutton hole will accommodate all standard size pushbutton, pilot lights and selector switches. The hole is designed to orient the device and legend plate in one of four different positions. Furnished on "PB", "PBX", "PBP", "PBC", "PBCS", "PV", "PVX", "PVS" and "P" style enclosures.



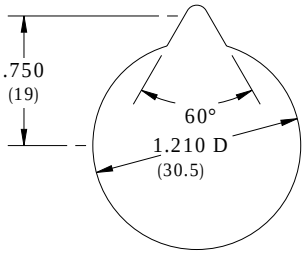
Miniature 4-Way (Type: M4-WAY)

B-Line Systems' miniature "4-way" pushbutton hole will accommodate miniature size pushbuttons, pilot lights and selector switches. The hole is designed to orient the device and legend plate in one of four different positions. Furnished on "PB-B" and "PBS-B" style enclosures.

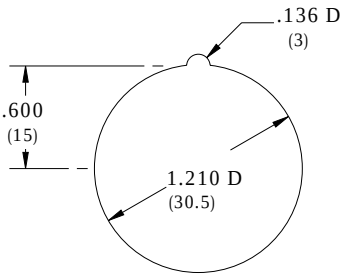
Custom Holes and Cutouts



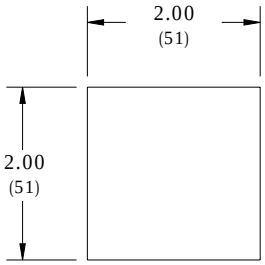
Type: C-101



Type C-102



Type: C-103



Type C-201

Notes: When specifying hole types "C-101", "C-102" and "C-103" indicate orientation of "key". Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

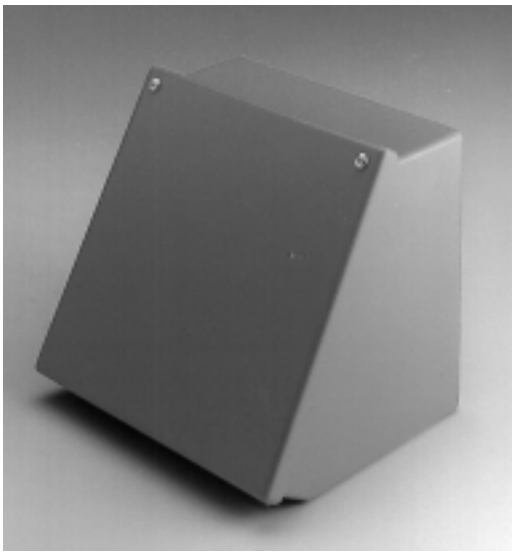
CONSOLE & CONSOLET ENCLOSURES

Type 12/13 Consolet Enclosures 280
Type 12 Series AW-9 Consoles 283
Type 12 Series AW-12 Consoles 285
Type 12 Series AW-14 Consoles 288
Panels and Accessories 293

B-Line®
SYSTEMS THAT MAKE SENSE
ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Type 12 Consolet Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Designed with angle front for mounting in either 30° or 60° position
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 13 and Type 12
- Conforms to NEMA standard for Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 529, IP65

Construction

- Enclosure and cover are fabricated from (14) gauge steel or Type 304 stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed oil-resistant gasket

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosures have a smooth brushed finish on outer surface of enclosure and cover

Accessories

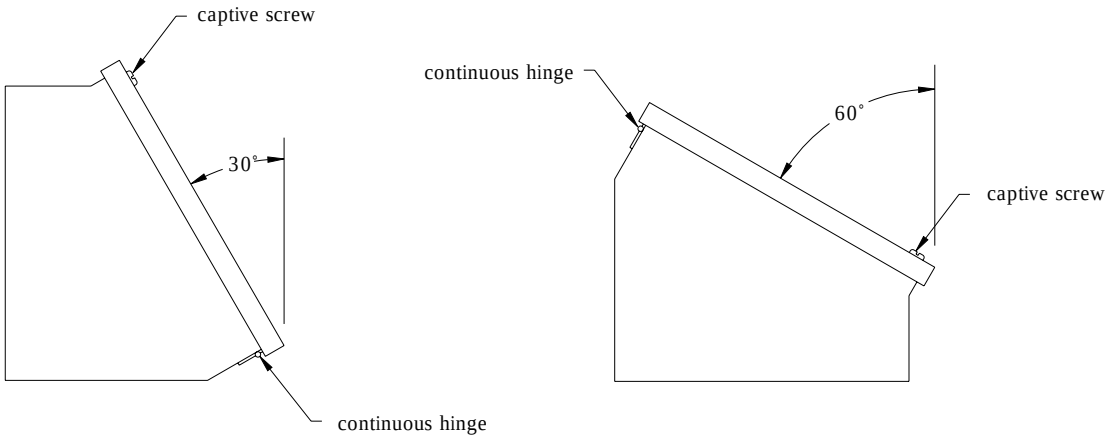
- Columns and bases
- Touch-up paint
- See Accessories section

Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 Consolet Enclosures

Catalog Number

Enclosure Catalog Number		Enclosure Size Height Width Depth A x B x C		D		E		F		G		H		J	
Steel	Type 304 Stainless	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
AC-8C8	AC-8C8SS	8.00x8.00x7.12	203x203x181	5.62	143	7.50	191	6.62	168	7.37	187	8.25	210	8.25	210
AC-8C12	AC-8C12SS	8.00x12.00x7.12	203x305x181	5.62	143	7.50	191	6.62	168	11.37	289	8.25	210	12.25	311
AC-8C16	AC-8C16SS	8.00x16.00x7.12	203x406x181	5.62	143	7.50	191	6.62	168	15.37	390	8.25	210	16.25	413
AC-8C20	AC-8C20SS	8.00x20.00x7.12	203x508x181	5.62	143	7.50	191	6.62	168	19.37	492	8.25	210	20.25	514
AC-12C12	AC-12C12SS	12.00x12.00x9.12	305x305x232	7.62	194	11.00	279	10.62	270	11.37	289	12.25	311	12.25	311
AC-12C16	AC-12C16SS	12.00x16.00x9.12	305x406x232	7.62	194	11.00	279	10.62	270	15.37	390	12.25	311	16.25	413
AC-12C20	AC-12C20SS	12.00x20.00x9.12	305x508x232	7.62	194	11.00	279	10.62	270	19.37	492	12.25	311	20.25	514
AC-12C24	AC-12C24SS	12.00x24.00x9.12	305x610x232	7.62	194	11.00	279	10.62	270	23.37	594	12.25	311	24.25	616
AC-16C16	AC-16C16SS	16.00x16.00x11.12	406x406x282	9.62	244	14.50	368	14.62	371	15.37	390	16.25	413	16.25	413
AC-16C20	AC-16C20SS	16.00x20.00x11.12	406x508x282	9.62	244	14.50	368	14.62	371	19.37	492	16.25	413	20.25	514
AC-16C24	AC-16C24SS	16.00x24.00x11.12	406x610x282	9.62	244	14.50	368	14.62	371	23.37	594	16.25	413	24.25	616
AC-16C30	AC-16C30SS	16.00x30.00x11.12	406x762x282	9.62	244	14.50	368	14.62	371	29.37	746	16.25	413	30.25	768
AC-16C36	AC-16C36SS	16.00x36.00x11.12	406x914x282	9.62	244	14.50	368	14.62	371	35.37	898	16.25	413	36.25	921
AC-20C20	AC-20C20SS	20.00x20.00x13.12	508x508x333	11.62	295	18.00	457	18.62	473	18.62	473	20.25	514	20.25	514
AC-20C24	AC-20C24SS	20.00x24.00x13.12	508x610x333	11.62	295	18.00	457	22.62	473	18.62	473	20.25	514	24.25	616
AC-20C30	AC-20C30SS	20.00x30.00x13.12	508x762x333	11.62	295	18.00	457	28.62	473	18.62	473	20.25	514	30.25	768

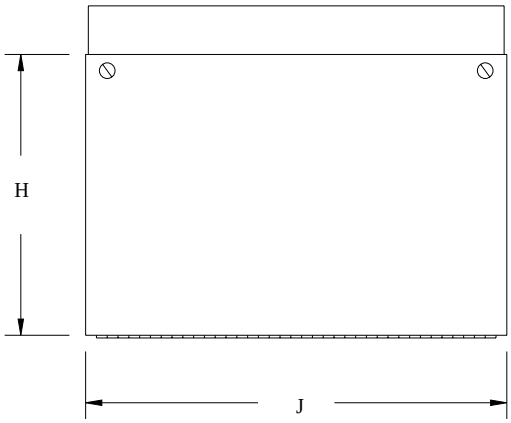


Typical Mounting Configurations

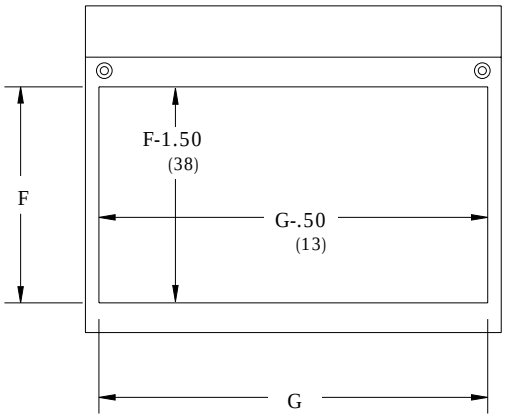
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 Consolet Enclosures

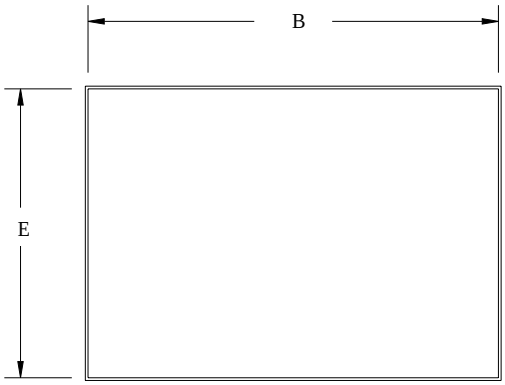
Illustration Sheet



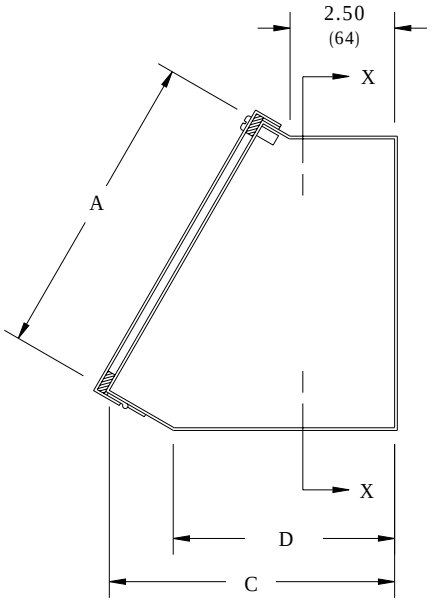
Front Cover View



Enclosure Opening View
(cover and hinge removed)



Section X-X

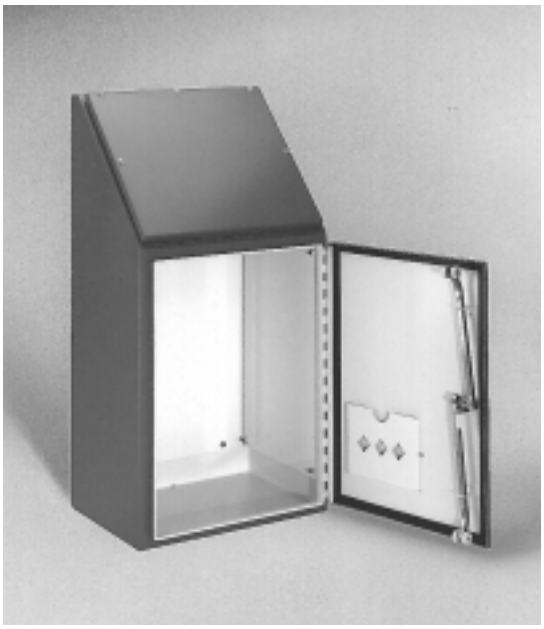


Side Section View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-9 Consoles

Data Sheet



Construction

- Console, panel cover and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Front access door is secured to the body with a heavy-duty continuous hinge on one side and a 3-pt locking handle which latches to the opposite side
- Print pocket provided
- Panel cover and front door have a fixed oil-resistant gasket
- .375-16 collar studs are provided on back and both side walls for mounting optional panel

Finish

- Wash and phosphate undercoat
- ANSI 61 gray enamel primer outside with a white enamel finish inside

Application

- Houses electrical controls and instruments
- Designed with 45° angle top surface for pushbuttons, pilot lights, switches, or other monitoring devices
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Accessories

- Panels
- NEMA treminal strap kit
- Terminal blocks
- Caster kit
- Touch-up paint
- See Accessories section

Standards

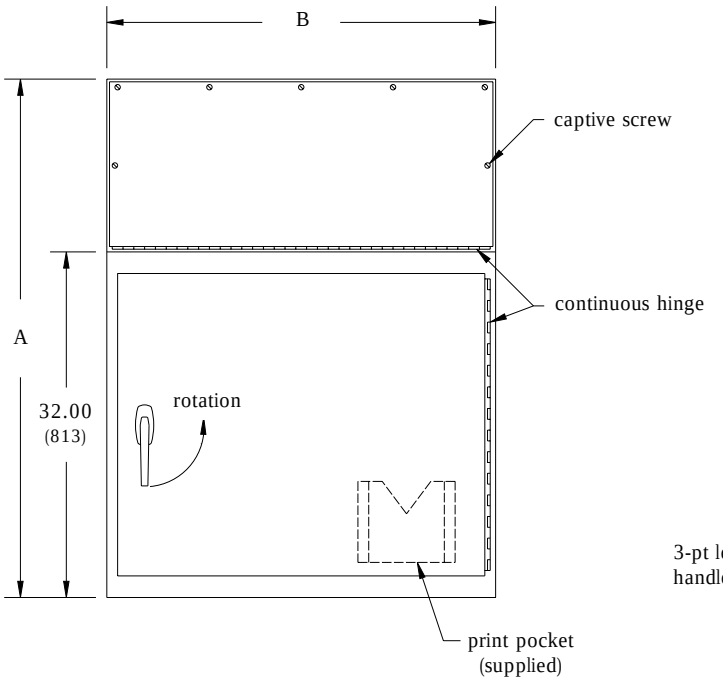
- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Consoles	Console Size Height Width Depth A x B x C		D		Back Panel	Panel Size Height Width A x B		Side Panel	Panel Size Height Width A x B	
Catalog Number	in.	mm	in.	mm	Catalog Number	in.	mm	Catalog Number	in.	mm
AC-924B	48.00x24.00x18.00	1219x610x457	15.25	387	AW3020P	26.87x16.87	682x428	AW3020P	26.87x16.87	682x428
AC-936B	48.00x36.00x18.00	1219x914x457	25.25	641	AW3030P	26.87x26.87	682x682	AW3020P	26.87x16.87	682x428

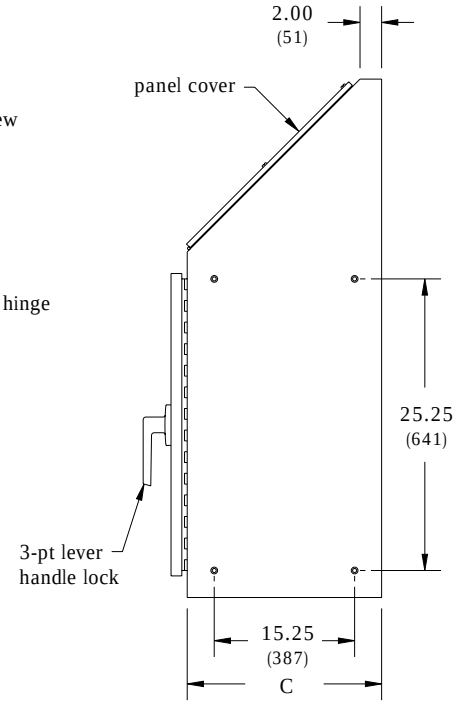
Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Series AW-9 Consoles

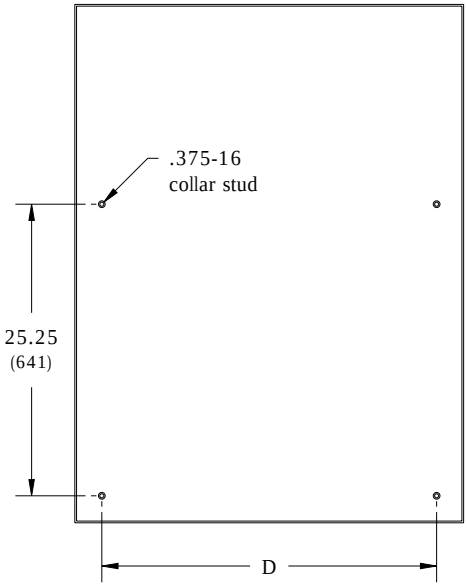
Illustration Sheet



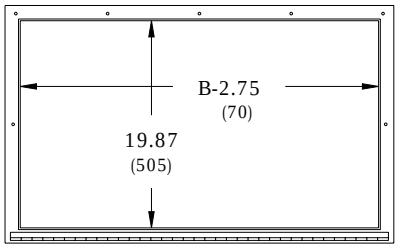
Front View



Side View



Front Section View

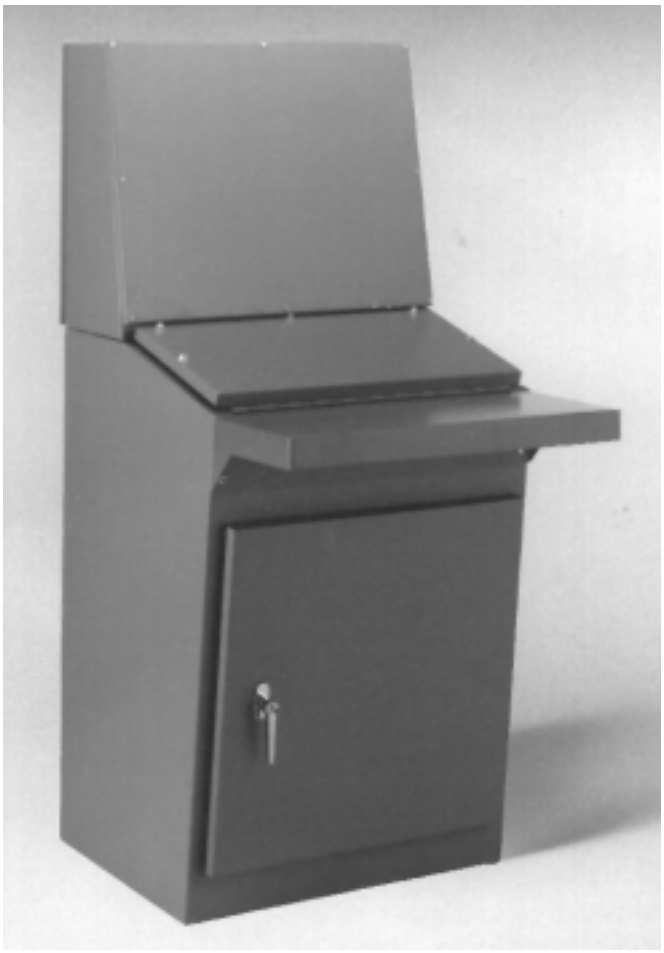


Panel Cover Opening
(Panel Cover Removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-12 Consoles

Data Sheet



Application

- Houses electrical controls and instruments
- Designed with an angled top and front surface for pushbuttons, pilot lights, switches or other monitoring devices
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12 (unless noted)
- CSA C22.2 No.94 certified, Type 12, (unless noted)
- Conforms to NEMA standard for Type 12

Construction

- Console body, panel cover and door, top assembly and writing desk are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Consoles 36 inches wide or less have a single front access door with a heavy-duty continuous hinge on one side and 3-pt locking handle on the opposite side
- Consoles wider than 36 inches have double front access doors with heavy-duty continuous hinge and center locating 3-pt locking handle which closes right side door over left
- Single door console bodies have inclined channel for terminal block mounting, (see accessories)
- Print pocket provided
- Panel cover, front door and top assembly covers have a fixed oil-resistant gasket
- Removable panel mounted on .375-16 collar studs is located behind the console body door
- Optional top assembly has a front-mounted instrument panel cover and rear-mounted access panel cover
- Optional writing desk is available for convenient front mounting

Finish

- Wash and phosphate undercoat
- Console body has an ANSI 61 gray enamel primer outside with a white enamel finish inside
- Optional top assembly and writing desk have an ANSI 61 gray enamel finish
- Panels have a white enamel finish

Accessories

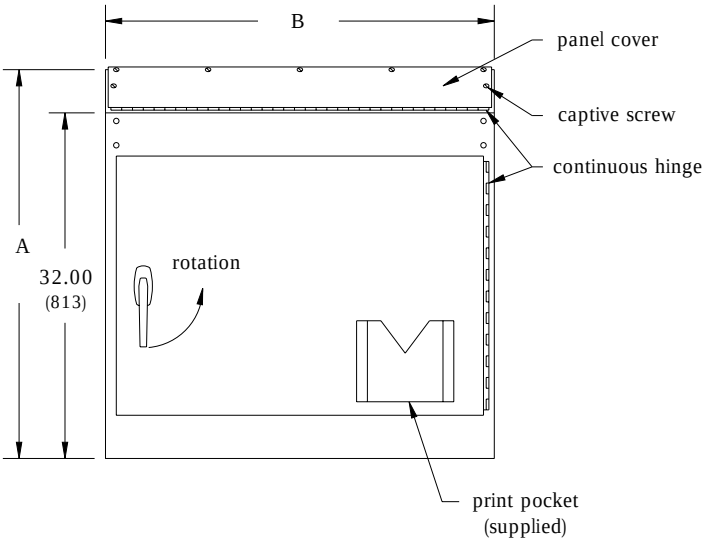
- Terminal blocks
- Caster kit
- Touch-up paint
- See Accessories section

Console Body	Console Body Size Height Width Depth A x B x C		Panel Size		Top Assembly Optional	Writing Desk Optional
Catalog Number	in.	mm	Height x Width in.	Height x Width mm	Catalog Number	Catalog Number
AC-1224B	36.00x24.00x24.00	914x610x610	26.87x16.87	682x428	AC-1224T	AC-1224W
AC-1236B	36.00x36.00x24.00	914x914x610	26.87x26.87	682x682	AC-1236T	AC-1236W
AC-1248B	36.00x48.00x24.00	914x1219x610	26.87x38.87	682x987	AC-1248T	AC-1248W

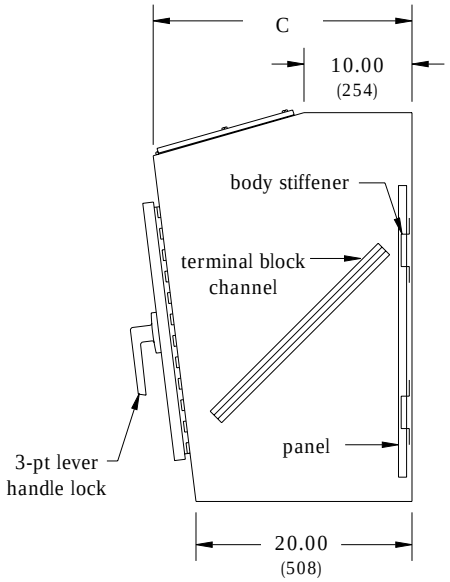
Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Series AW-12 Consoles

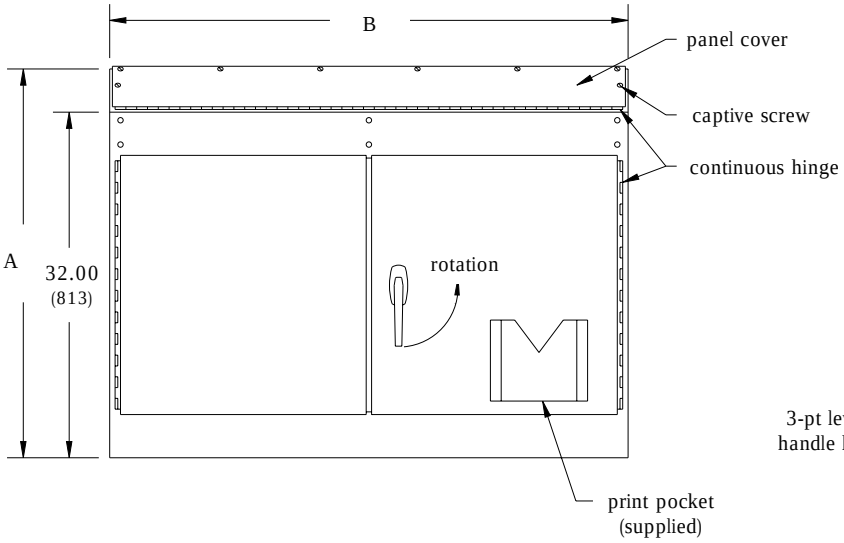
Illustration Sheet



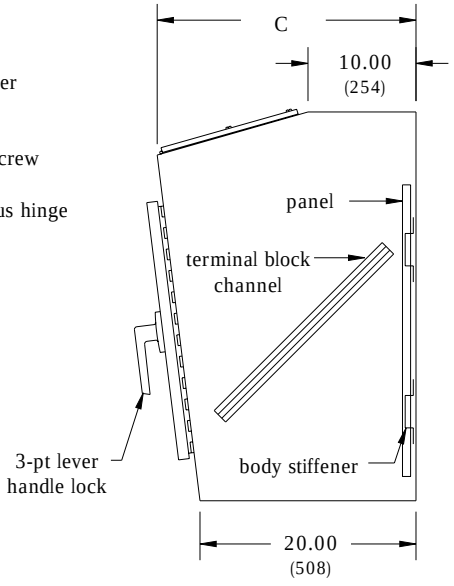
Console Body Front View
(24 inch & 36 inch wide body)



Side View

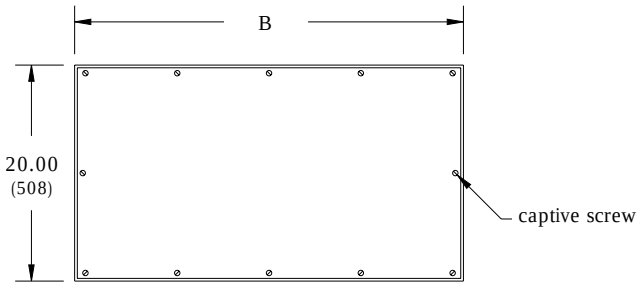


Console Body Front View
(48 inch wide body)

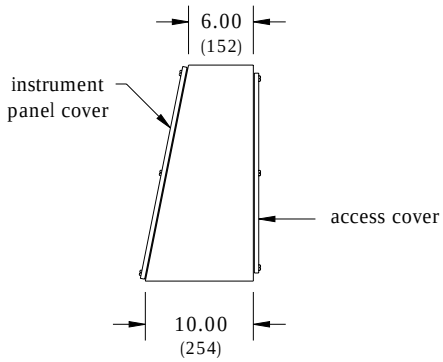


Side View

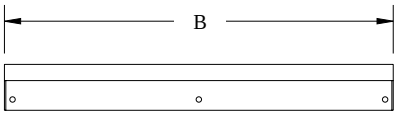
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



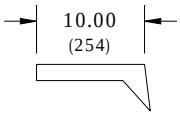
Top Assembly Front View



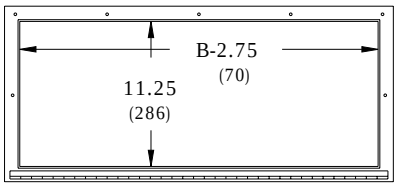
Side View



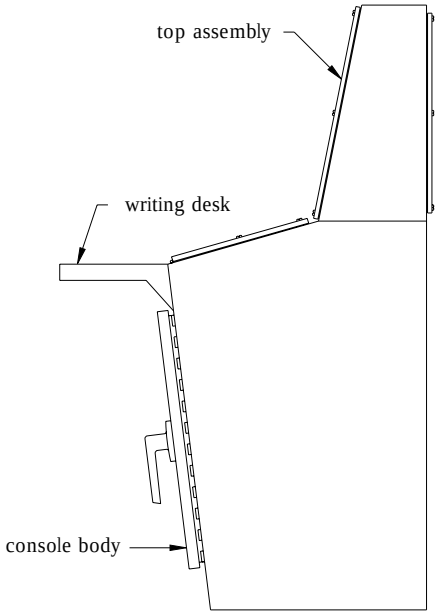
Writing Desk Front View
(*not UL or CSA listed)



Side View



Panel Cover Opening
(panel cover removed)

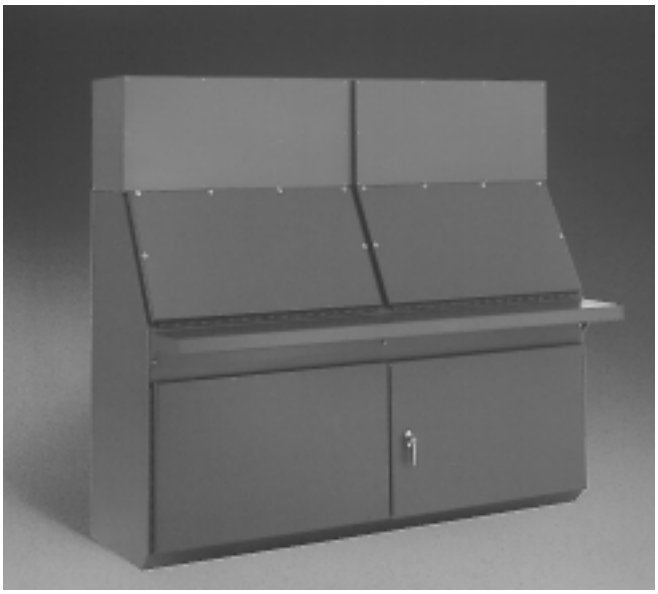


Typical Assembly

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

Data Sheet



Application

- Houses electrical controls and instruments
- Designed with a 60° angle top surface for pushbuttons, pilot lights, switches or other monitoring devices
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12, (unless noted)
- CSA C22.2 No.94 certified, Type 12, (unless noted)
- Conforms to NEMA standard for Type 12

Construction

- Console body, panel cover and door, top assembly and writing desk are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Consoles 36 inches wide or less have a single front and rear access door with a heavy-duty continuous hinge on one side and a 3-pt locking handle on the opposite side
- Consoles wider than 36 inches have double front and rear access doors with a heavy-duty continuous hinge and a center locating 3-pt locking handle which closes right side door over left
- Mounting channels are welded inside for locating panel along console depth
- Front door has a print pocket
- Panel cover, front door and top assembly covers have fixed oil-resistant gaskets
- A variety of optional panel and terminal strap mounting, (see accessories)
- Optional top assembly has front mounted instrument panel cover(s) and rear mounted access panel cover(s)
- An optional writing desk is available with convenient front mounting

Finish

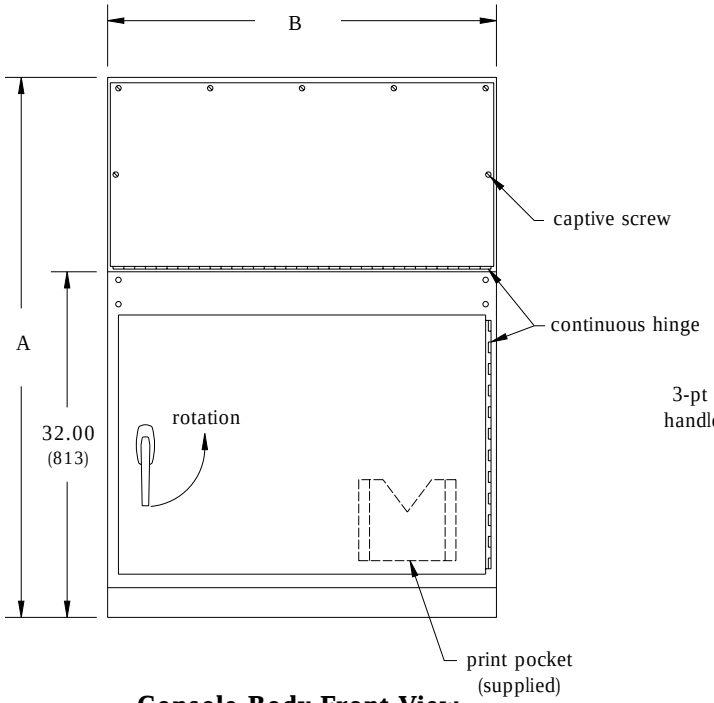
- Wash and phosphate undercoat
- Console body has an ANSI 61 gray primer outside with a white enamel finish inside
- Optional top assembly and writing desk have an ANSI 61 gray enamel finish

Accessories

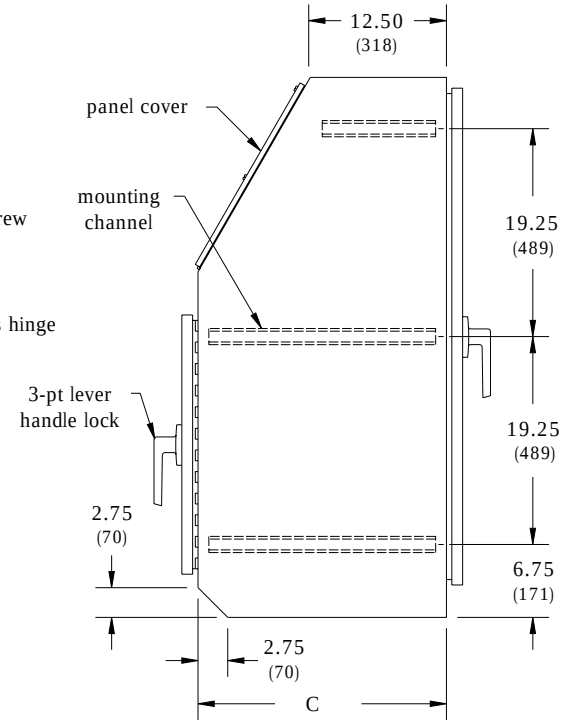
- NEMA terminal strap kit
- Terminal blocks
- Swing panels
- Full and half panels
- Channel mounting hardware
- Caster kit
- Touch-up paint
- See Accessories section

Console Body	Console Body Size Height Width Depth A x B x C		Top Assembly Optional	Writing Desk Optional
Catalog Number	in.	mm	Catalog Number	Catalog Number
AC-1424B	50.00x24.00x23.00	1270x610x584	AC-1424T	AC-1424W
AC-1436B	50.00x36.00x23.00	1270x914x584	AC-1436T	AC-1436W
AC-1448B	50.00x48.00x23.00	1270x1219x584	AC-1448T	AC-1448W
AC-1460B	50.00x60.00x23.00	1270x1524x584	AC-1460T	AC-1460W
AC-1472B	50.00x72.00x23.00	1270x1829x584	AC-1472T	AC-1472W

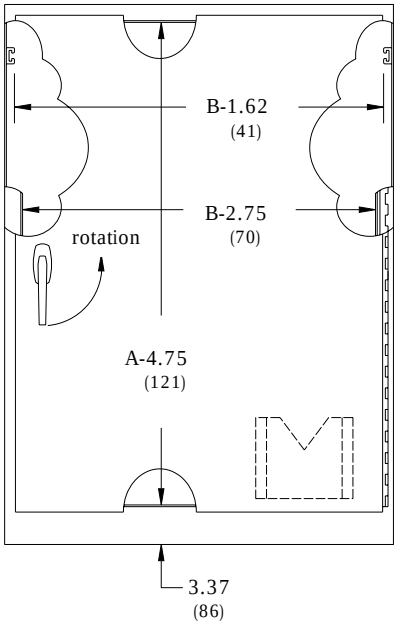
Note: B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.



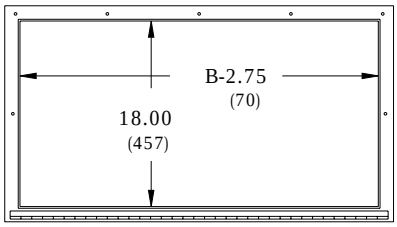
Console Body Front View
(24 inch & 36 inch wide body)



Side View



Console Body Rear View

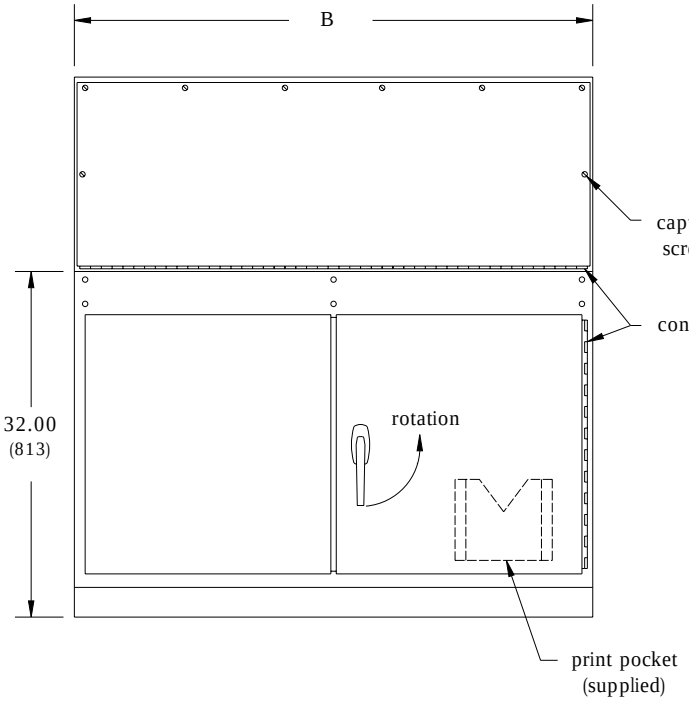


Panel Cover Opening
(panel cover removed)

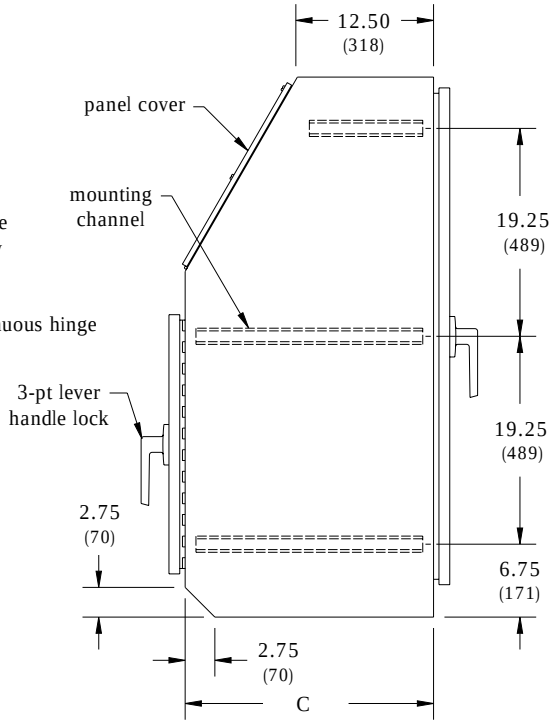
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

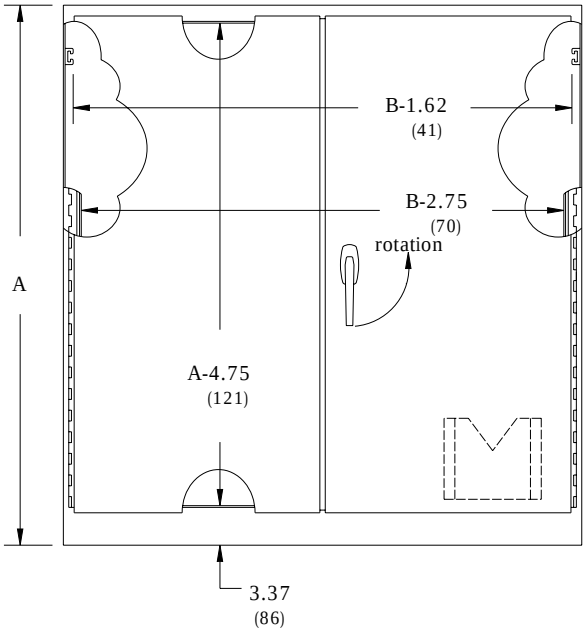
Illustration Sheet



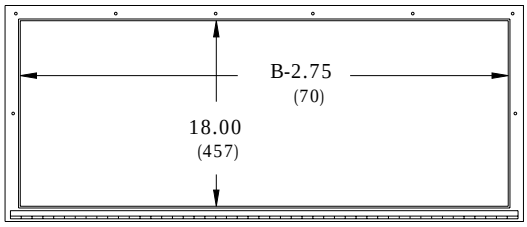
Console Body Front View
(48 inch wide body)



Side View

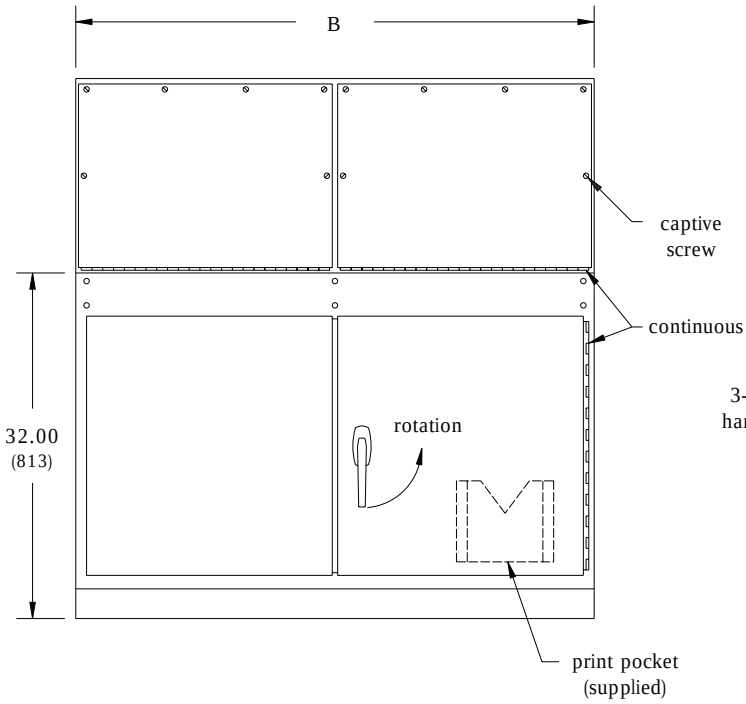


Console Body Rear View

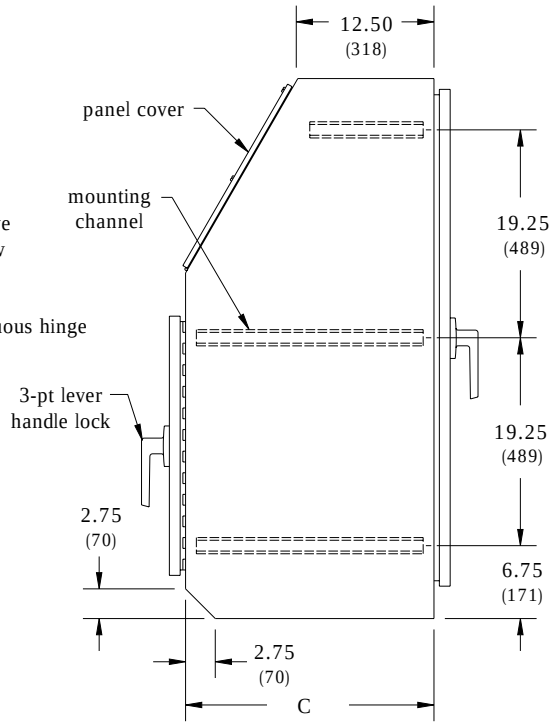


Panel Cover Opening
(panel cover removed)

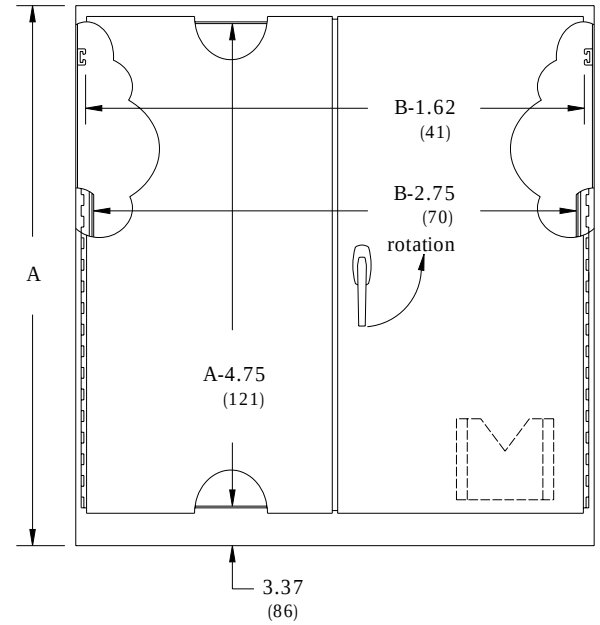
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



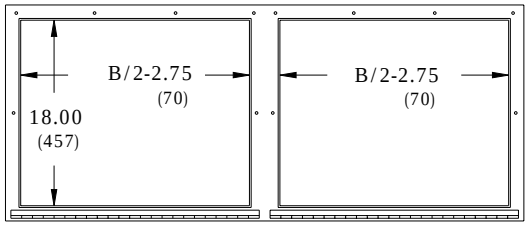
Console Body Front View
(60 inch & 70 inch wide body)



Side View



Console Body Rear View

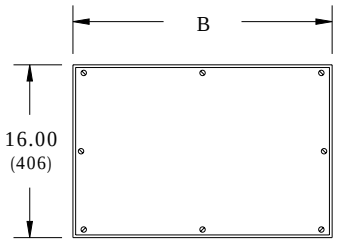


Panel Cover Opening
(panel cover removed)

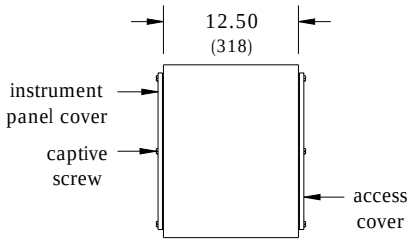
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Consoles

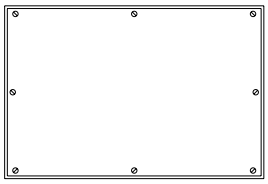
Illustration Sheet



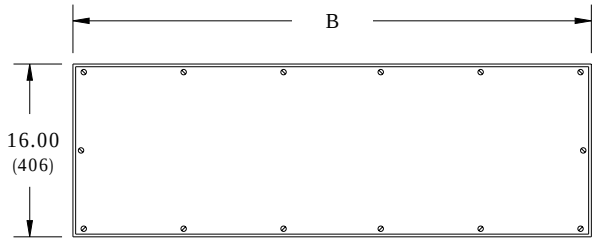
Top Assy Front View
(24 inch (610 mm) & 36 inch (914 mm) wide body)



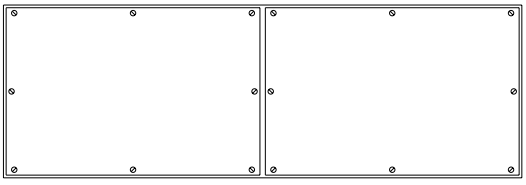
Side View
(typical all top assy)



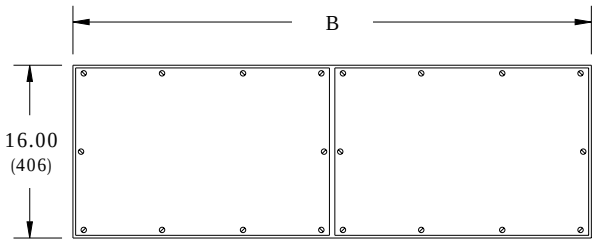
Top Assy Rear View
(24 inch (610 mm) & 36 inch (914 mm) wide body)



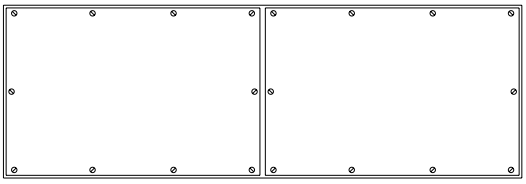
Top Assy Front View
(48 inch (1219 mm) wide body)



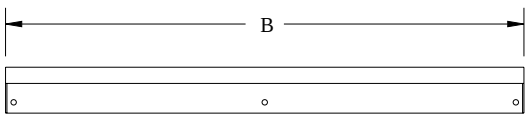
Top Assy Rear View
(48 inch (1219 mm) wide body)



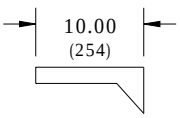
Top Assy Front View
(60 inch (1524 mm) & 72 inch (1829 mm) wide body)



Top Assy Rear View
(60 inch (1524 mm) & 72 inch (1829 mm) wide body)



Writing Desk Front View
(* not UL or CSA listed)



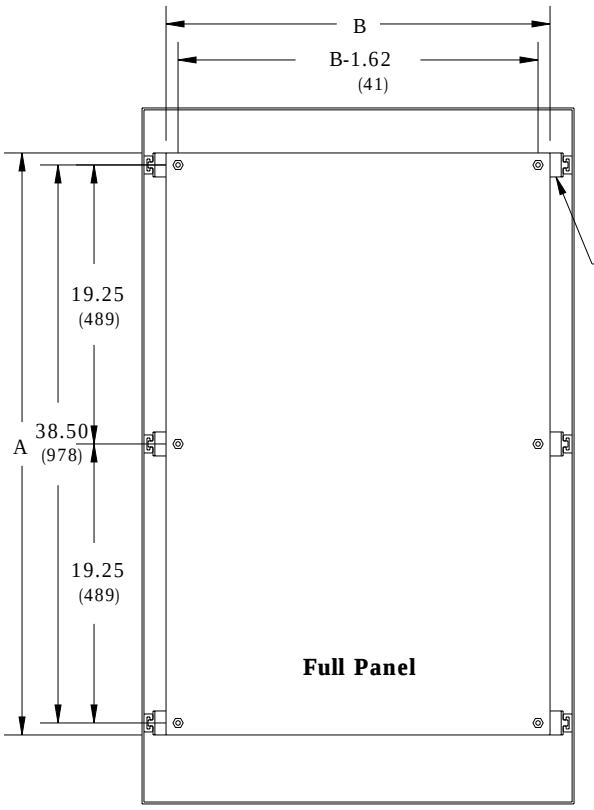
Side View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

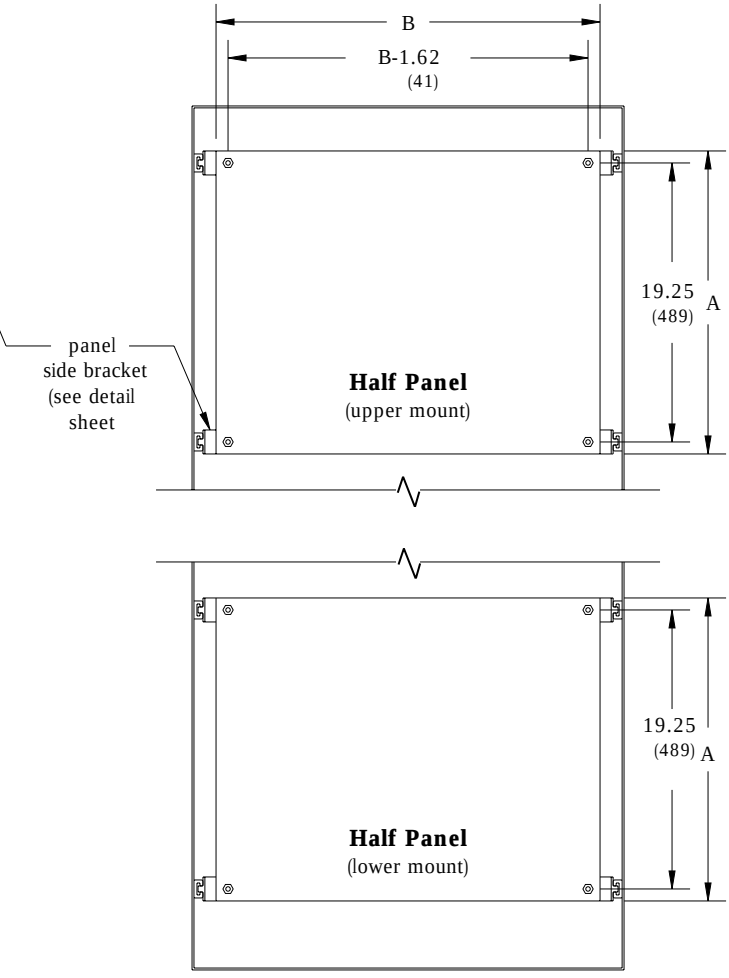
Series AW-14 Consoles
Full and Half Panel Accessories
Catalog Number

Full Panel			
Panel	Panel Size Height x Width		Fits Console Body
Catalog Number	in.	mm	Catalog Number
AC-1424P	40.12x19.87	1019x505	AC-1424B
AC-1436P	40.12x31.87	1019x809	AC-1436B
AC-1448P	40.12x43.87	1019x1114	AC-1448B
AC-1460P	40.12x55.87	1019x1419	AC-1460B
AC-1472P	40.12x67.87	1019x1724	AC-1472B

Half Panel			
Panel	Panel Size Height x Width		Fits Console Body
Catalog Number	in.	mm	Catalog Number
AC-1424HP	20.87x19.87	530x505	AC-1424B
AC-1436HP	20.87x31.87	530x809	AC-1436B
AC-1448HP	20.87x43.87	530x1114	AC-1448B
AC-1460HP	20.87x55.87	530x1419	AC-1460B



Full Panel Mounting



Half Panel Mounting

Full Panel and Half Panel for Consoles are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the console. Console body design permits the panel to adjust along the depth of the enclosure. Full Panel and Half Panel can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

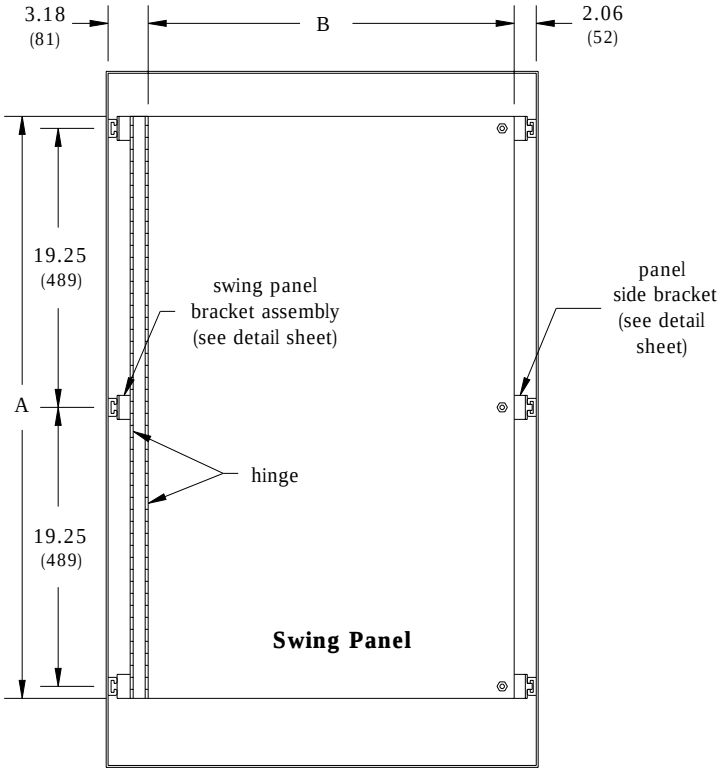
Series AW-14 Consoles

Swing Panel and Terminal Strap and Accessories

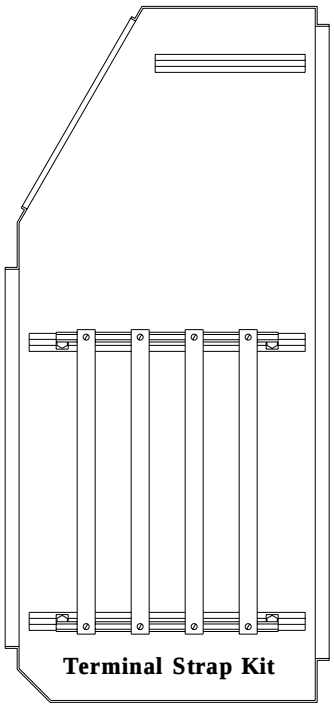
Catalog Number

Swing Panel			
Panel Catalog Number	Panel Size Height Width A x B in.	mm	Fits Console Body Catalog Number
AC-1424SWP	40.12x18.75	1019x476	AC-1424B
AC-1436SWP	40.12x30.75	1019x781	AC-1436B

Terminal Strap Kit		
Panel Catalog Number	Quantity of Straps	Fits Console Body Catalog Number
24TS20	4	All AW-14 Series
24TS24	5	All AW-14 Series



Swing Panel Mounting



Terminal Strap Mounting

Swing Panel Mounting

Swing Panel for Consoles are (12) gauge steel, have a dual hinge swing panel bracket and are furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed such that they hinge either on the left side or right side. Console body design permits the panel to adjust along the depth of the enclosure. The dual hinge allows the inner panel to swing completely out of the rear opening when within 5.50 inches. Panel and Swing Panel can be mounted back-to-back.

Terminal Strap Mounting

Terminal Strap Kits assemble conveniently to the channel on either side of the Console body. Channel Mounting Hardware should be purchased separately for installation. Full length straps are furnished with adequate space for the users' terminal blocks or terminal blocks and extra straps can be purchased separately (see detail sheet and the Accessories section).

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Miscellaneous Console Accessories

Detail Sheet

Catalog Number	Description	Fits Console Body	Illustration	Quantity
AFSBRKT1	Panel mounting bracket	**AW-14 Series**	1	1
AFCMH3	Channel mounting hardware	**AW-14 Series**	2	3
FTB3005	#18-#8 medium-duty flat base terminal block	**AW-14 Series**	3	1
FTE3001	Medium-duty flat base terminal block end	**AW-14 Series**	3	1
CTB3005	#18-#8 medium-duty channel terminal block	**AW-12 Series**	4	1
CTE3001	Medium-duty channel terminal block end	**AW-12 Series**	4	1
FT6005	#18-#4 heavy-duty flat base terminal block	**AW-14 Series**	3	1
FE6001	Heavy-duty flat base terminal block end	**AW-14 Series**	3	1
CT6005	#18-#4 heavy-duty channel terminal block	**AW-12 Series**	4	1
CE6001	Heavy-duty channel terminal block end	**AW-12 Series**	4	1
CTC2	Channel clamp	**AW-12 Series**	4	1
25012A	Channel Strip (72 inch)	**AW-12 Series**	-	1

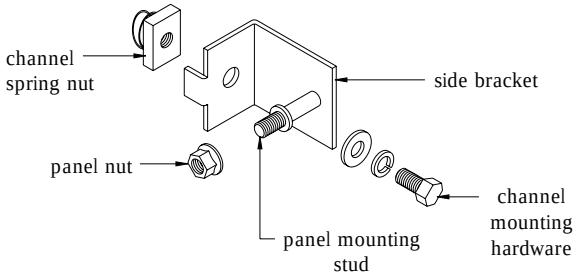


Illustration 1

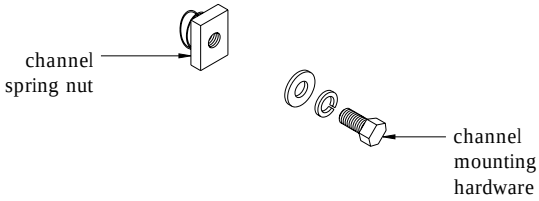
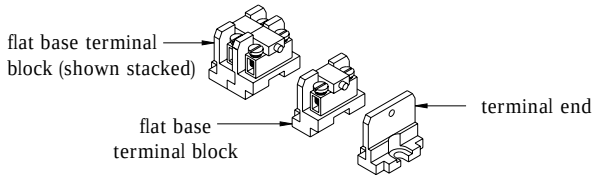
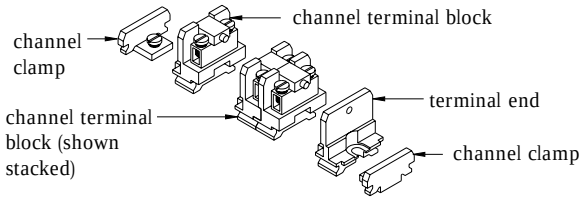


Illustration 2



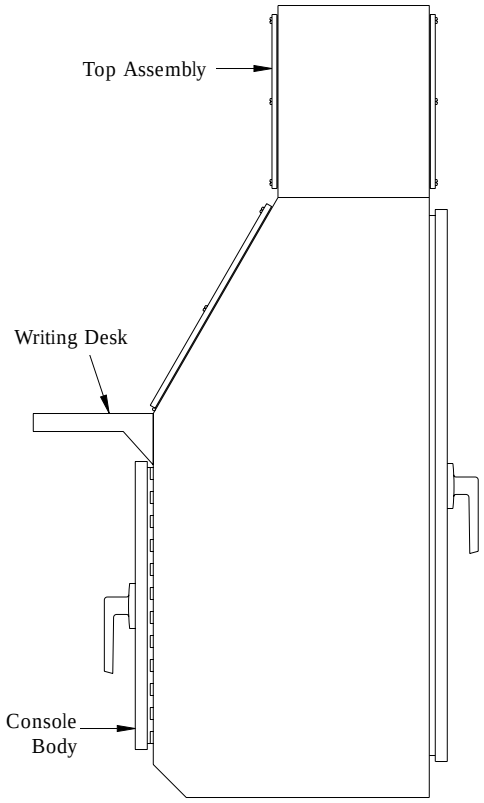
Individual terminal block and terminal end only. Heavy and Medium-duty blocks can be stacked to any length. When stocked, each block is approximately .43 or .56 inches long, depending on which block is used. For detail and specific quantity packages, refer to the Accessories section.

Illustration 3



Individual terminal block, end, and clamps only. Heavy and Medium-duty blocks can be stacked to any length. When stacked, each block is approximately .43 or .56 inches long, depending on which block is used. For detail and specific quantity packages, refer to the Accessories section.

Illustration 4

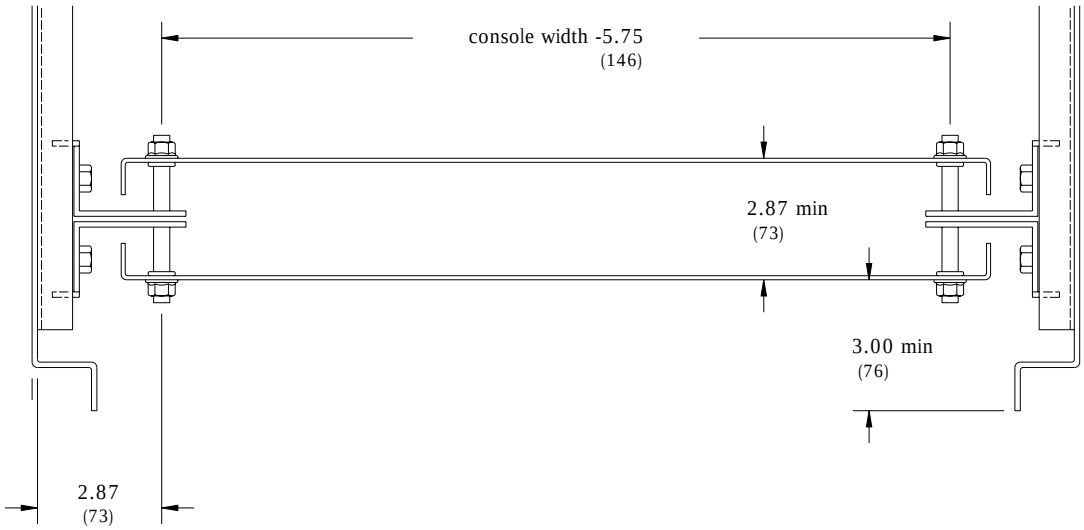


Typical Assembly

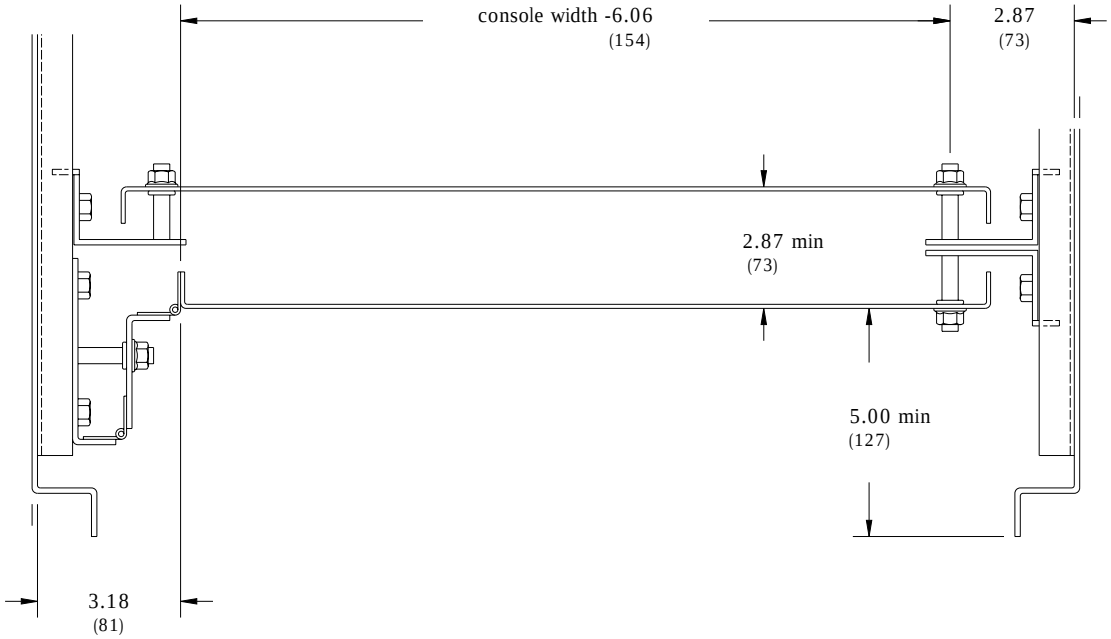
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Series AW-14 Console Panel and Console Detail

Detail Sheet



Console Rear Access Door
(section view showing full and half panel mounted back-to-back)



Console Rear Access Door
(section view showing swing panel and half panel mounted back-to-back)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

ACCESSORIES

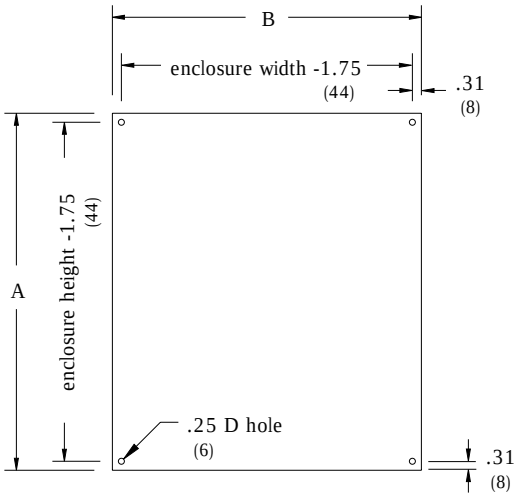
Accessories 298

JIC & Small Enclosure Panels

Accessories

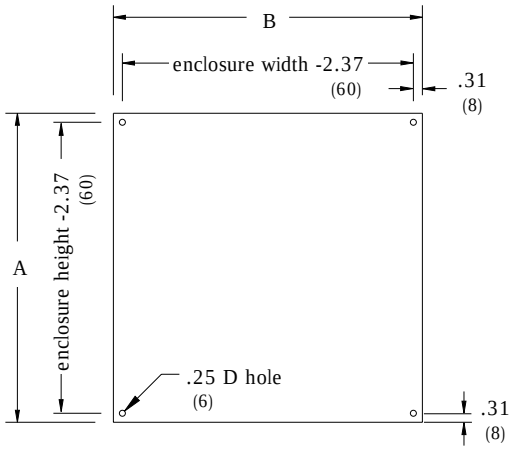
JIC Flat Panel Catalog Number				A		B		Gauge	Fits Enclosure Height x Width	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm		in.	mm
AW64P	AW64GP	AW64SP	AW64AP	4.87	124	2.87	73	14	6.00x4.00	152x102
AW66P	AW66GP	AW66SP	AW66AP	4.87	124	4.87	124	14	6.00x6.00	152x152
AW86P	AW86GP	AW86SP	AW86AP	6.87	174	4.87	124	14	8.00x6.00	203x152
AW88P	AW88GP	AW88SP	AW88AP	6.87	174	6.87	174	14	8.00x8.00	203x203
AW108P	AW108GP	AW108SP	AW108AP	8.87	225	6.87	174	14	10.00x8.00	254x203
AW1010P	AW1010GP	AW1010SP	AW1010AP	8.87	225	8.87	225	14	10.00x10.00	254x254
AW126P	-	-	-	10.87	276	4.87	124	14	12.00x6.00	305x152
AW1210P	AW1210GP	AW1210SP	AW1210AP	10.87	276	8.87	225	14	12.00x10.00	305x254
AW1212P	AW1212GP	AW1212SP	AW1212AP	10.87	276	10.87	276	14	12.00x12.00	305x305
AW148P	-	-	-	12.87	327	6.87	174	14	14.00x8.00	356x203
AW1412P	AW1412GP	AW1412SP	AW1412AP	12.87	327	10.87	276	14	14.00x12.00	356x305
AW1610P	-	-	-	14.87	378	8.87	225	14	16.00x10.00	406x254
AW1614P	AW1614GP	AW1614SP	AW1614AP	14.87	378	12.87	327	14	16.00x14.00	406x356

Small Enclosure Flat Panel Catalog Number	A		B		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm		in.	mm
N66P	4.25	108	4.25	108	14	6.00x6.00	152x152
N86P	6.25	159	4.25	108	14	8.00x6.00	203x152
N88P	6.25	159	6.25	159	14	8.00x8.00	203x203
N108P	8.25	210	6.25	159	14	10.00x8.00	254x203
N1010P	8.25	210	8.25	210	14	10.00x10.00	254x254
N1210P	10.25	260	8.25	210	14	12.00x10.00	305x254
N1212P	10.25	260	10.25	260	14	12.00x12.00	305x305
N1412P	12.25	360	10.25	260	14	14.00x12.00	356x305
N2012P	18.25	463	10.25	260	14	20.00x12.00	508x305



JIC panels can be installed in all types of JIC Enclosures. Some sizes will fit the NEMA 12 Lay-In Wireway Junction Box. Panels are available in steel, galvanized steel, stainless and aluminum. Painted steel panels have a white powder finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

JIC Panels



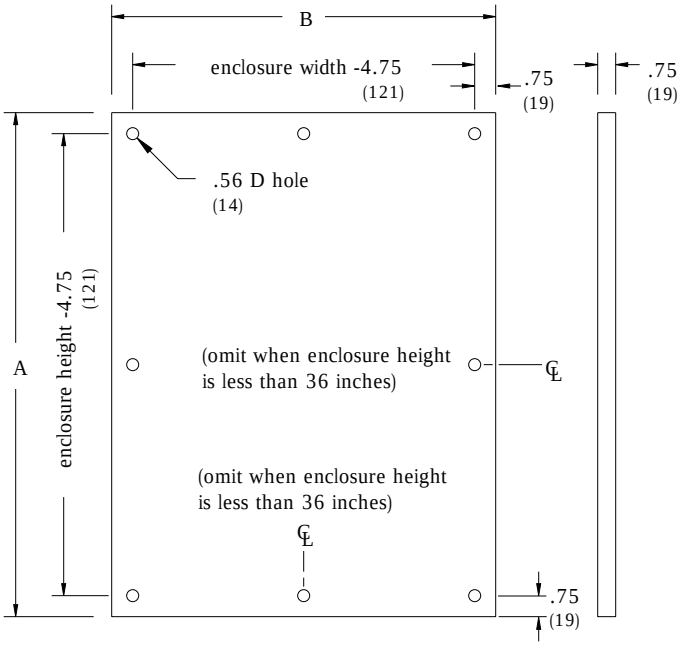
Small Enclosure panels can be installed in Small Type 3R RHC and Small Type 1 Enclosures. Panels are only available in steel, and have a white powder finish.

Small Enclosure Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

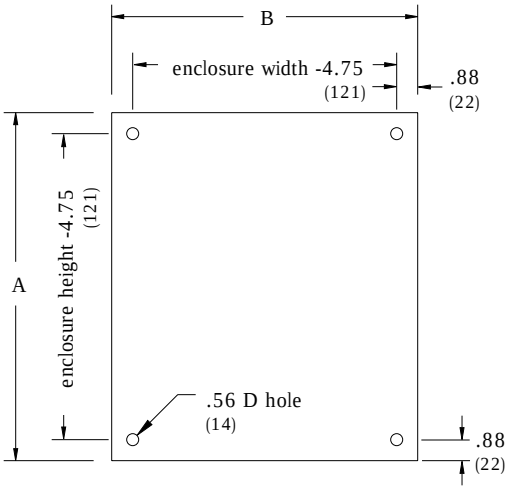
Flat Panel Catalog Number	A in.	A mm	B in.	B mm	Gauge	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
N1612P	13.00	330	9.00	229	12	16.00x12.00	406x305
N1616P	13.00	330	13.00	330	12	16.00x16.00	406x406
N2016P	17.00	432	13.00	330	12	20.00x16.00	508x406
N2020P	17.00	432	17.00	432	12	20.00x20.00	508x508
Flanged Panel Catalog Number	**A in.**	**A mm**	**B in.**	**B mm**	**Gauge**	**Fits Enclosure Height x Width in.**	**Fits Enclosure Height x Width mm**
N2420P	20.87	530	16.87	428	12	24.00x20.00	610x508
N2424P	20.87	530	20.87	530	12	24.00x24.00	610x610
N3024P	26.87	682	20.87	530	12	30.00x24.00	762x610
N3624P	32.87	835	20.87	530	12	36.00x24.00	914x610
N3030P	26.87	682	26.87	682	12	30.00x30.00	762x762
N3630P	32.87	835	26.87	682	12	36.00*x30.00*	914x762
N4230P	38.87	987	26.87	682	12	42.00*x30.00*	1067x762
N4830P	44.87	1140	26.87	682	12	48.00*x30.00*	1219x762
N3636P	32.87	835	32.87	835	12	36.00x36.00	914x914
N4236P	38.87	987	32.87	835	12	42.00*x36.00*	1067x914
N4836P	44.87	1140	32.87	835	12	48.00*x36.00*	1219x914
N6036P	56.87	1444	32.87	835	12	60.00x36.00	1524x914

* Panel also fits these enclosures when height and width dimensions are reversed.



RHC Flanged Panels can be installed in Large Type 3R RHC Enclosures. Panels are only available in steel and have a white powder paint finish.

RHC Flanged Panels



RHC Flat Panels can be installed in Large Type 3R RHC Enclosures. Panels are only available in steel and have a white powder paint finish.

RHC Flat Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

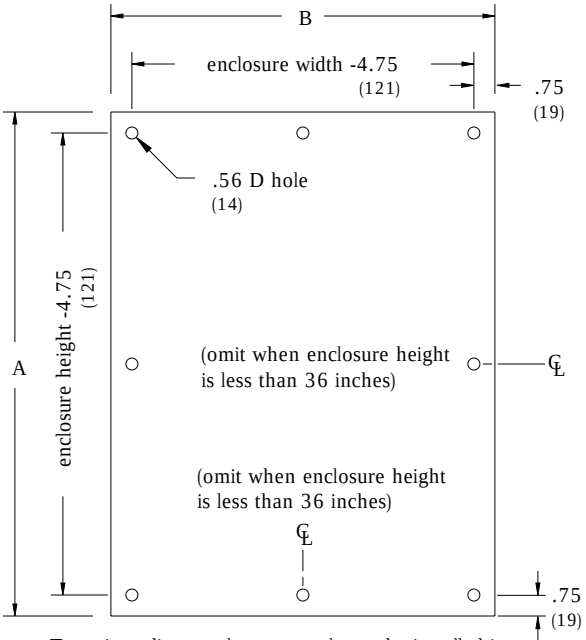
Type 1 Medium Enclosure & NEMA Flat Panels

Accessories

Type 1 Medium Enclosure Flat Panel Catalog Number	A in.	A mm	B in.	B mm	Gauge	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
AW1612-1P	13.00	330	10.50	267	14	16.00X12.00	406X305
AW1616-1P	13.00	330	14.50	368	14	16.00X16.00	406X406
AW1620-1P	13.00	330	18.50	470	14	16.00X20.00	406X508
AW2016-1P	17.00	432	14.50	368	14	20.00X16.00	508X406
AW2020-1P	17.00	432	18.50	470	14	20.00X20.00	508X508
AW2416-1P	21.00	533	14.50	368	14	24.00X16.00	610X406
AW2420-1P	21.00	533	18.50	470	14	24.00X20.00	610X508
AW2424-1P	21.00	533	22.50	572	14	24.00X24.00	610X610
AW3020-1P	26.00	660	18.50	470	14	30.00X20.00	762X508
AW3024-1P	26.00	660	22.50	572	14	30.00X24.00	762X610
AW3624-1P	32.00	813	22.50	572	14	36.00X24.00	914X610
AW3630-1P	32.00	813	28.50	724	14	36.00X30.00	914X762
AW4224-1P	38.00	965	22.50	572	14	42.00X24.00	1067X610

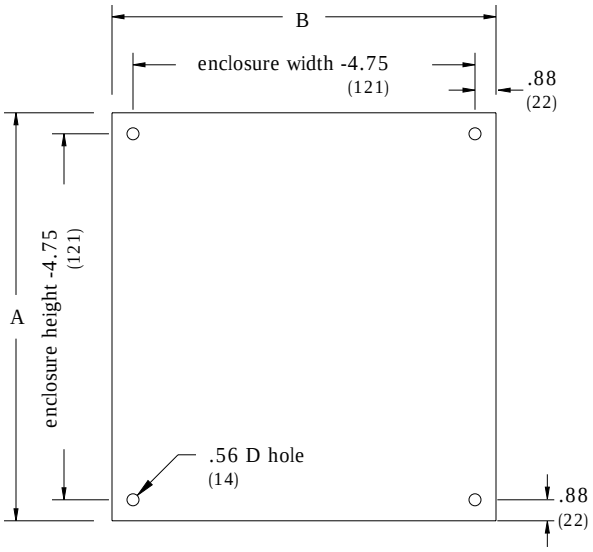
NEMA Flat Panel Catalog Number				A		B			Fits Enclosure	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm	Gauge	Height x Width in.	Height x Width mm
AW1612P	AW1612GP	AW1612SP	AW1612AP	13.00	330	9.00	229	12	16.00x12.00	406x305
AW1616P	AW1616GP	AW1616SP	AW1616AP	13.00	330	13.00	330	12	16.00x16.00	406x406
AW2012P	-	-	-	17.00	432	9.00	229	12	20.00x12.00	508x305
AW2016P	AW2016GP	AW2016SP	AW2016AP	17.00	432	13.00	330	12	20.00*x16.00*	508x406
AW2020P	AW2020GP	AW2020SP	AW2020AP	17.00	432	17.00	432	12	20.00x20.00	508x508
AW2412P	-	-	-	21.00	533	9.00	229	12	24.00*x12.00*	610x305
AW2416P	AW2416GP	AW2416SP	AW2416AP	21.00	533	13.00	330	12	24.00x16.00	610x406

* Panel also fits these enclosures when height and width dimensions are reversed.



Type 1 medium enclosure panels can be installed in Type 1 Medium Panel Enclosures. Panels are only available in steel and have a white powder paint finish.

Type 1 Medium Enclosure Panels



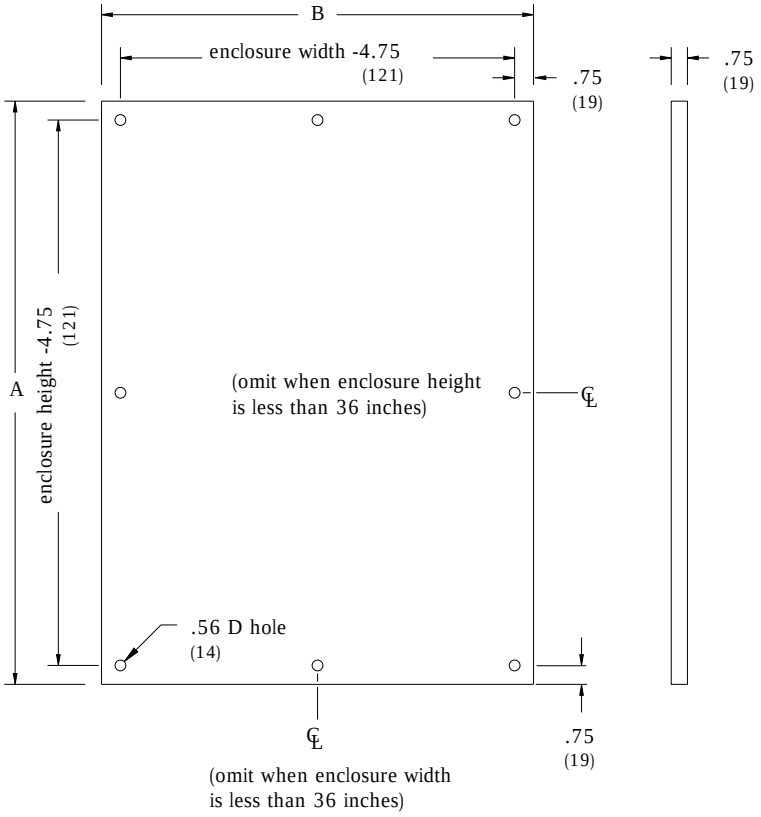
NEMA flat panels can be installed in Type 4X, Type 4 and Type 12 NEMA Enclosures. Panels are available in steel, galvanized steel, stainless steel, and aluminum. Painted steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

NEMA Flat Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA Flanged Panel Catalog Number				A		B			Fits Enclosure	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm	Gauge	Height x Width in.	mm
AW2420P	AW2420GP	AW2420SP	AW2420AP	20.87	530	16.87	428	12	24.00*x20.00*	610x508
AW2424P	AW2424GP	AW2424SP	AW2424AP	20.87	530	20.87	530	12	24.00x24.00	610x610
AW3016P	AW3016GP	AW3016SP	AW3016AP	26.87	682	12.87	327	12	30.00x16.00	762x406
AW3020P	AW3020GP	AW3020SP	AW3020AP	26.87	682	16.87	428	12	30.00x20.00	762x508
AW3024P	AW3024GP	AW3024SP	AW3024AP	26.87	682	20.87	530	12	30.00*x24.00*	762x610
AW3030P	AW3030GP	AW3030SP	AW3030AP	26.87	682	26.87	682	12	30.00x30.00	762x762
AW3624P	AW3624GP	AW3624SP	AW3624AP	32.87	835	20.87	530	12	36.00x24.00	914x610
AW3630P	AW3630GP	AW3630SP	AW3630AP	32.87	835	26.97	685	12	36.00*x30.00*	914x762
AW3636P	-	-	-	32.87	835	32.87	835	12	36.00x36.00	914x914
AW4224P	-	-	-	38.87	987	20.87	530	12	42.00*x24.00*	1067x610
AW4230P	AW4230GP	AW4230SP	AW4230AP	38.87	987	26.87	682	12	42.00*x30.00*	1067x762
AW4236P	AW4236GP	AW4236SP	AW4236AP	38.87	987	32.87	835	12	42.00x36.00	1067x914
AW4242P	-	-	-	38.87	987	38.87	987	12	42.00x42.00	1067x1067
AW4824P	-	-	-	44.87	1140	20.87	530	12	48.00*x24.00*	1219x610
AW4830P	AW4830GP	AW4830SP	-	44.47	1130	26.87	682	12	48.00*x30.00*	1219x762
AW4836P	AW4836GP	AW4836SP	AW4836AP	44.87	1140	32.87	835	12	48.00*x36.00*	1219x914
AW4842P	AW4842GP	AW4842SP	AW4842AP	44.87	1140	38.87	987	12	48.00*x42.00*	1219x1067
AW4848P	-	-	-	44.87	1140	44.87	1140	12	48.00x48.00	1219x1219
AW6030P	-	-	-	56.87	1444	26.87	682	12	60.00*x30.00*	1524x762
AW6036P	AW6036GP	AW6036SP	AW6036AP	56.87	1444	32.87	835	12	60.00*x36.00*	1524x914
AW6042P	-	-	-	56.87	1444	38.87	987	12	60.00*x42.00*	1524x1067
AW7230P	-	-	-	68.87	1749	26.87	682	12	72.00x30.00	1829x762
AW7236P	-	-	-	68.87	1749	32.87	835	12	72.00x36.00	1829x914

* Panel also fits these enclosures when height and width dimensions are reversed.



NEMA Flanged Panels can be installed in consoles, Type 4X, Type 4, and Type 12 NEMA Enclosures. Panels are available in steel, galvanized steel, stainless steel and aluminum. Painted steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

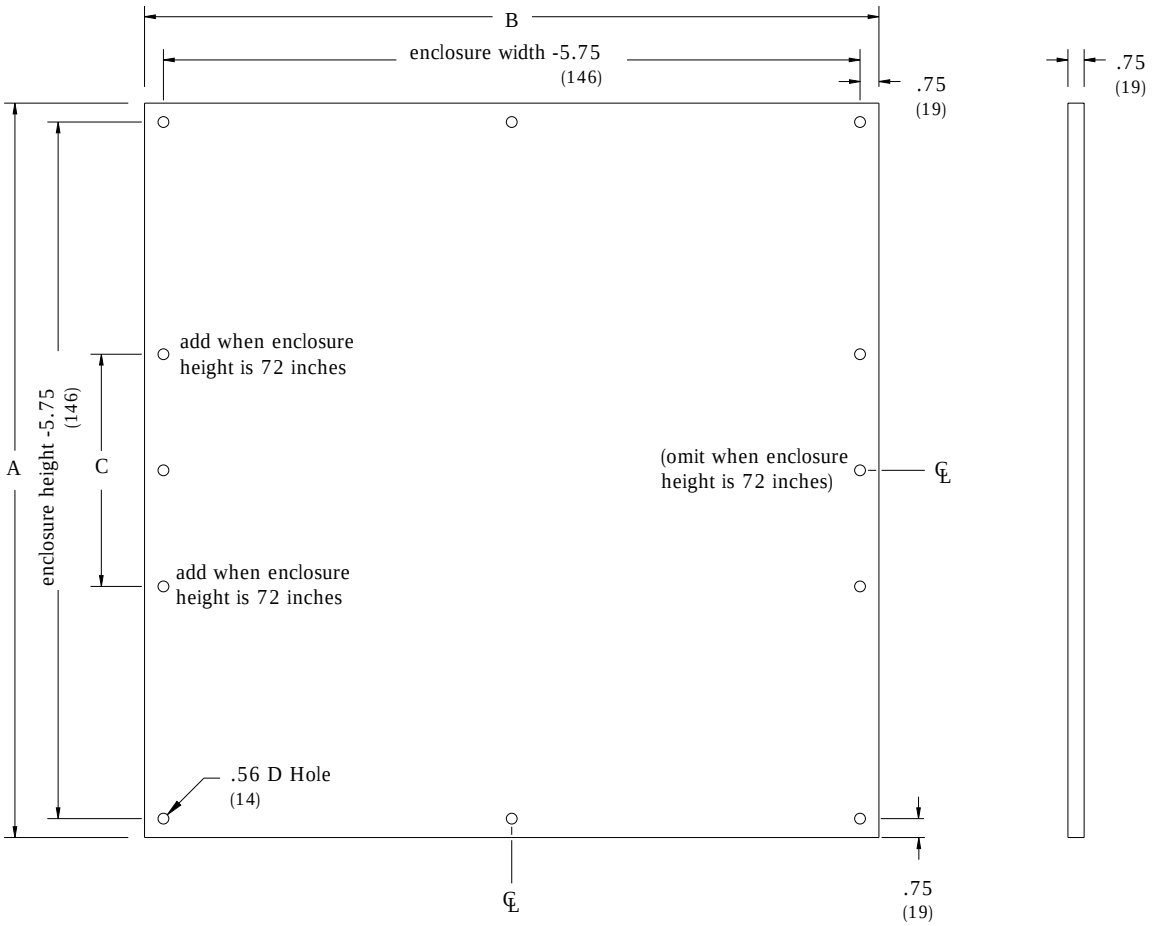
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Large NEMA Flanged Panels

Accessories

Panel Catalog Number			A		B		C			Fits Enclosure*	
Steel	Stainless	Aluminum	in.	mm	in.	mm	in.	mm	Gauge	Height x Width in.	mm
AW5442P	-	-	49.87	1267	37.87	962	-	-	10	54.00x42.00	1372X1067
AW6048P	AW6048SP	AW6048AP	55.87	1419	43.87	1114	-	-	10	60.00x48.00	1524X1219
AW6060P	AW6060SP	AW6060AP	55.87	1419	55.87	1419	-	-	10	60.00x60.00	1524X1524
AW7260P	AW7260SP	AW7260AP	67.87	1724	55.87	1419	22.06	560	10	72.00x60.00	1829X1524
AW7272P	AW7272SP	AW7272AP	67.87	1724	67.87	1724	22.06	560	10	72.00x72.00	1829X1829

*Panel also fits Type 4X and Type 4 where the height is 2.00 inches more than shown in the table



Large Flanged Panels can be installed in Floor Standing Type 4X, Type 4 and Type 12 Enclosures. Handle Kits are furnished with each panel. Steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

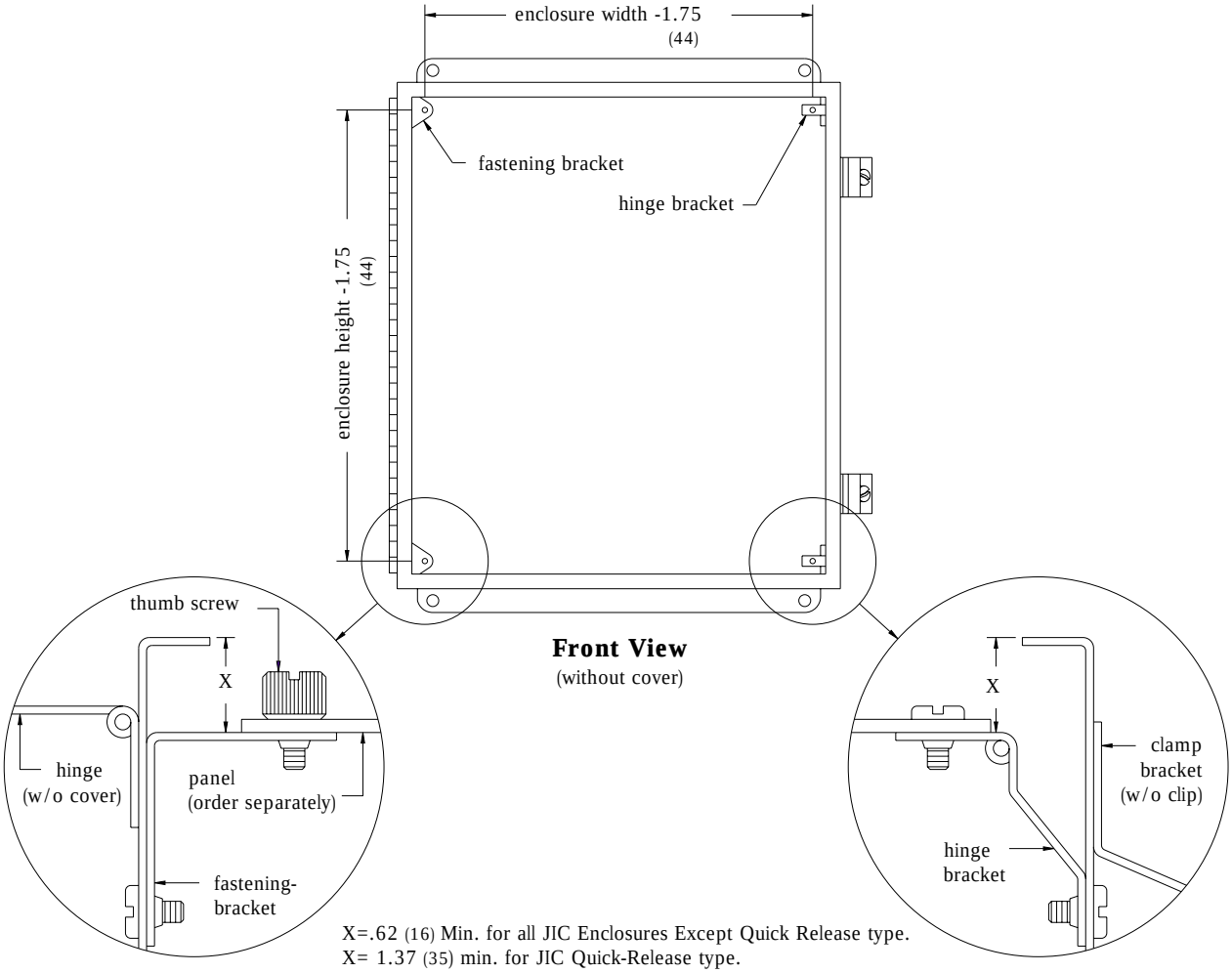
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC Swing Panel Kit

Accessories

Catalog Number	Description
JICSPK	For use with JIC Enclosures that are 8.00 (203 mm) by 6.00 (152 mm) inches or larger. The distributed weight of panel and equipment should not exceed 25 pounds.

This kit offers a means for mounting user's components and equipment near the front of an enclosure opening for easy access. The JIC Swing Panel Kit includes two hinge brackets, two fastening brackets, knurled thumb screws, retaining hardware and instructions for installing standard panels. Panels must be ordered separately.



Front View
(without cover)

X=.62 (16) Min. for all JIC Enclosures Except Quick Release type.
X= 1.37 (35) min. for JIC Quick-Release type.

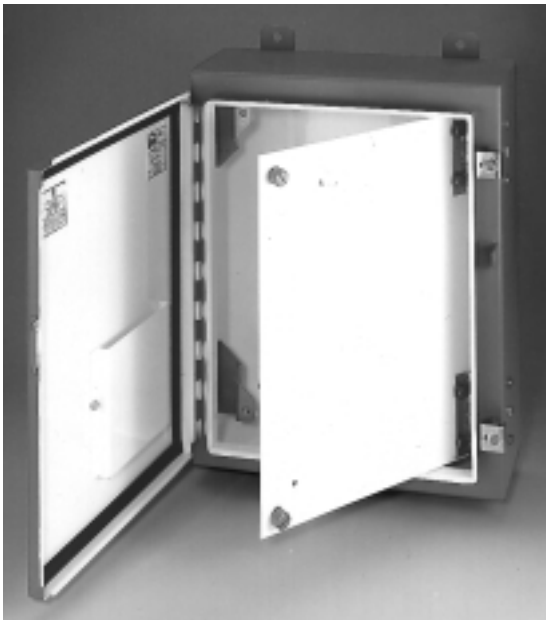
Panel Fastening Detail

Panel Hinge Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

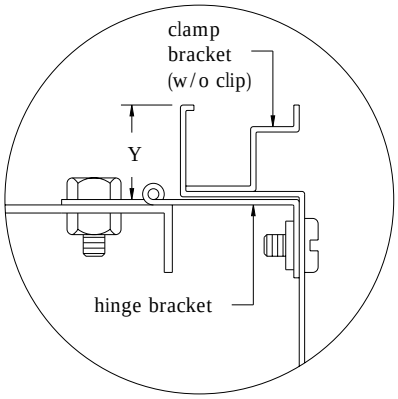
NEMA Swing Panel Kit

Accessories

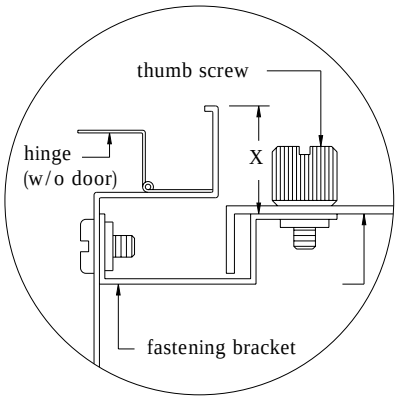


Catalog Number	Description
NSPK	For use with Type 4 And Type 12 Single Door Enclosures 16.00 (406 mm) by 12.00 (305 mm) and larger, provided the distributed weight of panel and equipment does not exceed 100 pounds. Also used on the Larger Type 12 CHSC and Larger Type 3R RHC Enclosure

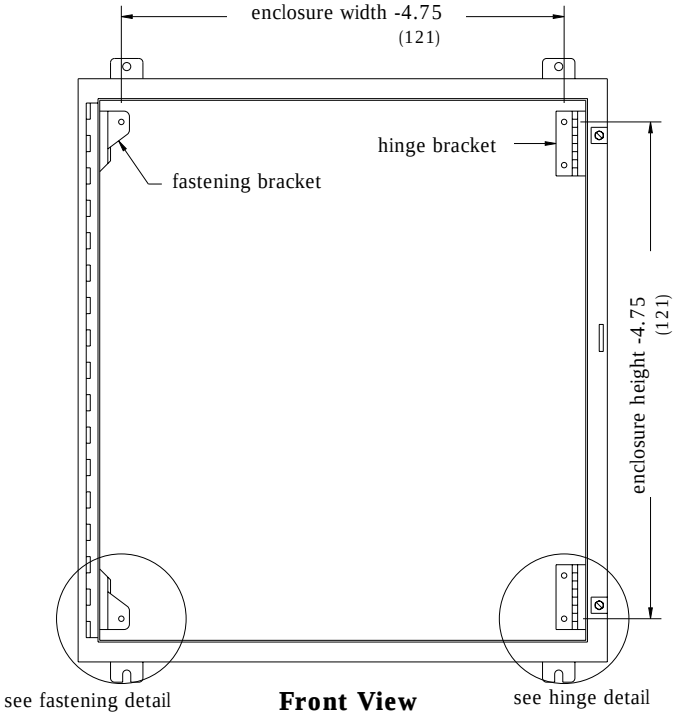
This kit offers a means for mounting user components and equipment near the front of an enclosure opening for easy access. The NEMA Swing Panel Kit includes two hinge brackets, two fastening brackets, knurled thumb screws, retaining hardware, bracket mounting hardware and instructions for installing standard panels. Panels must be ordered separately.



Panel Hinge Detail



Panel Fastening Detail

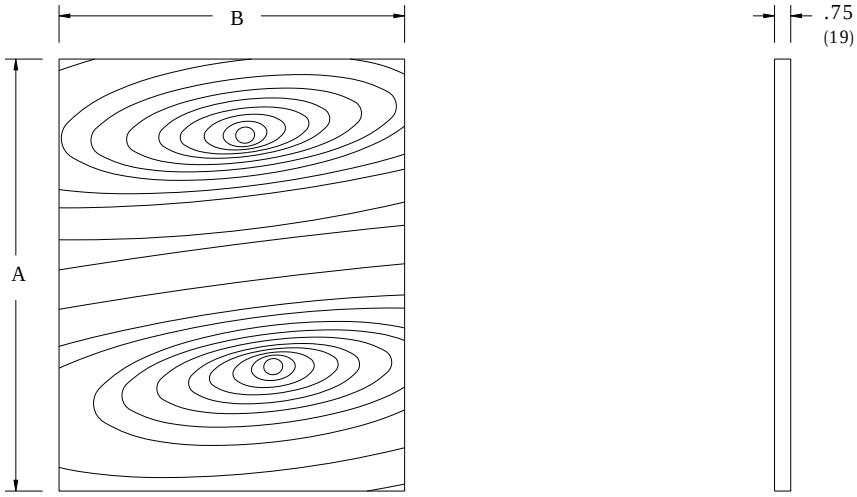


Front View
(without door)

X= 1.37 (35) min. Type 4 & 12 Single door, and Large Type 3R RHC Enclosures
Y= 1.25 (32) min. Type 4 & 12 Single door, and Large Type 3R RHC Enclosures
X= 1.00 (25) min. Large Type 12 CHSC Enclosures
Y= .87 (22) min. Large Type 12 CHSC Enclosures

Notes: Large Type 12 CHSC Enclosures have panels installed. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wood Back Board Catalog Number	A in.	A mm	B in.	B mm	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm
88 WB	5.00	127	5.00	127	8.00x8.00	203x203
1010 WB	7.00	178	7.00	178	10.00x10.00	254x254
128 WB	9.00	229	5.00	127	12.00x8.00	350x203
1210 WB	9.00	229	7.00	178	12.00x10.00	305x254
1212 WB	9.00	229	9.00	229	12.00x12.00	305x305
1612 WB	13.00	330	9.00	229	16.00x12.00	406x305
1812 WB	15.00	381	9.00	229	18.00x12.00	457x305
1815 WB	15.00	381	12.00	305	18.00x15.00	457x381
1818 WB	15.00	381	15.00	381	18.00x18.00	457x457
2412 WB	21.00	533	9.00	229	24.00x12.00	610x305
2418 WB	21.00	533	15.00	381	24.00x18.00	610x457
2424 WB	21.00	533	21.00	533	24.00x24.00	610x610
3015 WB	27.00	686	12.00	305	30.00x15.00	762x381
3018 WB	27.00	686	15.00	381	30.00x18.00	762x457
3024 WB	27.00	686	21.00	533	30.00x24.00	762x610
3030 WB	27.00	686	27.00	686	30.00x30.00	762x762
3624 WB	33.00	838	21.00	533	36.00x24.00	914x610
3630 WB	33.00	838	27.00	686	36.00x30.00	914x762
3636 WB	33.00	838	33.00	838	36.00x36.00	914x914
4824 WB	45.00	1143	21.00	533	48.00x24.00	1219x610
4836 WB	45.00	1143	33.00	838	48.00x36.00	1219x914
4848 WB	45.00	1143	45.00	1143	48.00x48.00	1219x1219

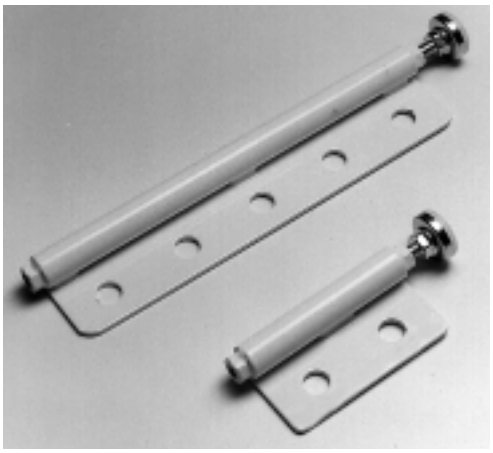


Wood back boards are intended for Type 1 and Type 3R Telephone Termination Cabinets. However, they may be installed in any enclosure that will accommodate the board size. Standard boards are cut from shop grade type CDX plywood with one side finished smooth. Boards normally are not treated or painted. Consult the factory for special cuts, holes, finishes or wood treating.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panel Support, Lifting Hooks and Blank Adapter Plate Kits

Accessories



Panel Support Kits	
Catalog Number	**Description**
PS3	For use on Single Door and Double-Door Floor-Standing Enclosure Panels
PS9	For use on Free-Standing and Multi-Door Free-Standing Enclosure Panels

Designed to provide additional support to panels which are burdened with heavy equipment. Supports fit over the bottom corner collar Studs. Each support bracket can be adjusted so that the load can be shared between the support and the stud. A "jam" nut maintains the adjustment. At the base of the support bracket is a nylon shoe to prevent damage to the interior finish. Two support brackets assemblies are furnished with each kit.

Panel Lifting Hooks	
Catalog Number	**Description**
PLH	Panel lifting hooks

Two (2) Panel lifting hooks are used for picking up and moving large panels. The hooks are designed to be used on back panels while laying flat.

Blank Adapter Plates	
Catalog Number	**Description**
7.5 BAP	Wall mounted Enclosures
10.5 BAP	Floor and Free-Standing Enclosures

Blank Adapter Plates are designed to cover the cut-outs in either the flange or center post on Disconnect Enclosures when the disconnect switch is not installed. Plates are constructed from (12) gauge steel. Each kit contains two plates, gasket, and hardware. The kit is designed to sandwich the gasket between the enclosure opening and exterior plate. The exterior plate has an ANSI 61 gray enamel paint finish, the interior plate has a white enamel paint finish.

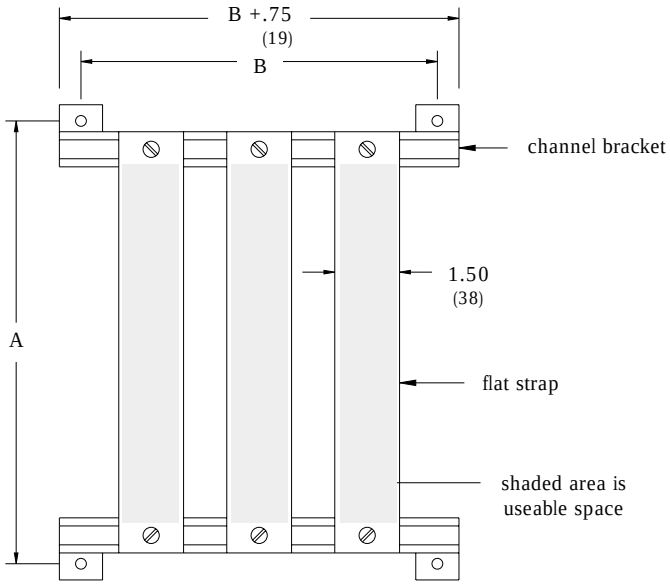
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

JIC Terminal Strap Kits

Accessories

JIC Terminal Strap Kits fit all styles and types of JIC enclosures. The kits are furnished with flat straps for mounting Flat Based Terminal Blocks, (see Flat Based Terminal Blocks). There is adequate space on each terminal strap should the user wish to provide another style of block. Terminal straps are made from (10) gauge steel with an electrogalvanized finish. They are fastened to channel clamping nuts which allows them to adjust along the width of the channel bracket assembly. Extra Strap Kits can be ordered separately and come furnished with all hardware necessary for channel mounting.

Terminal Strap Kit Catalog Number	A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	Quantity Of Straps	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm	Extra Strap Kit Catalog Number
86TS	6.25	159	4.25	108	1.12	28	4.50	114	2	8.00x6.00	203x152	**8TS**
108TS	8.25	210	6.25	159	1.12	28	6.50	165	2	10.00x8.00	254x203	**10TS**
1210TS	10.25	260	8.25	210	2.43	62	8.50	216	3	12.00x10.00	305x254	**12TS**
1212TS	10.25	260	10.25	260	2.43	62	10.50	267	3	12.00x12.00	305x305	**12TS**
1412TS	12.25	311	10.25	260	2.43	62	10.50	267	3	14.00x12.00	356x305	**14TS**
1614TS	14.25	362	12.25	311	2.43	62	12.50	318	4	16.00x14.00	406x356	**16TS**

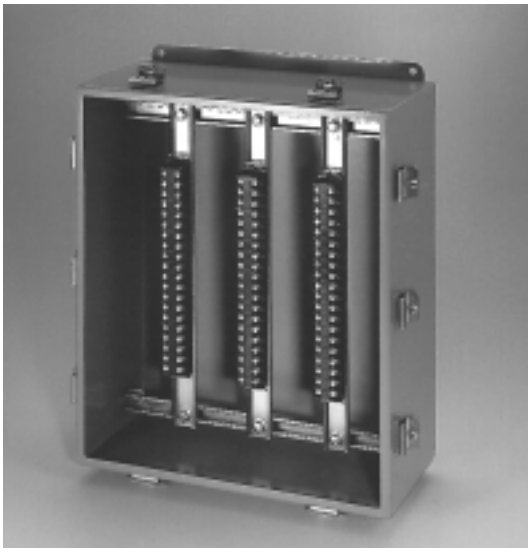


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

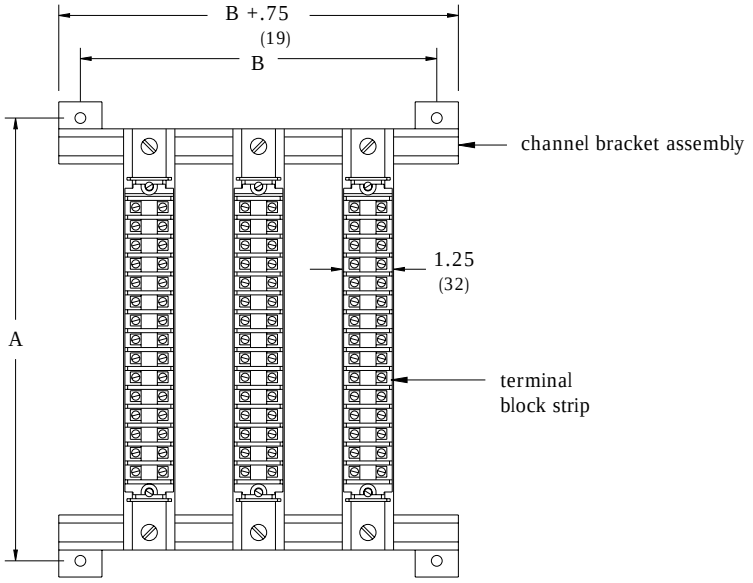
JIC Terminal Block Strip Kits

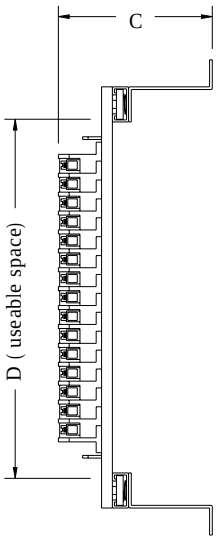
Accessories

JIC Terminal Block Strip Kits fit all styles and types of JIC Enclosures. Kits are furnished with Terminal Strips and contain Medium-Duty Channel Mount Terminal Blocks, Terminal End and Clamps. Terminals have tubular screw type lugs which accept wire sizes from #18 through #8. Terminal Strips are fastened to channel nuts which allow them to adjust along the entire width of the channel bracket assembly. Extra Strip Kits can be ordered separately. They come furnished with all the hardware necessary for channel mounting but do not include the terminal blocks. Terminal blocks, ends, and clamps can be ordered separately as well, (see Channel Mount Terminal Blocks).



Terminal Block Strip Kit Catalog Number	A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	Strap Quantity	Fits Enclosure Height x Width in.	Fits Enclosure Height x Width mm	Extra Strip Kit Catalog Number
86TB	6.25	159	4.25	108	2.15	55	4.50	114	2	8.00x6.00	203x152	**8TB**
108TB	8.25	210	6.25	159	2.15	55	6.50	165	2	10.00x8.00	254x203	**10TB**
1210TB	10.25	260	8.25	210	3.56	90	8.50	216	3	12.00x10.00	305x254	**12TB**
1412TB	12.25	311	10.25	260	3.56	90	10.50	267	3	14.00x12.00	356x305	**14TB**
1614TB	14.25	362	12.25	311	3.56	90	12.50	318	4	16.00x14.00	406x356	**16TB**





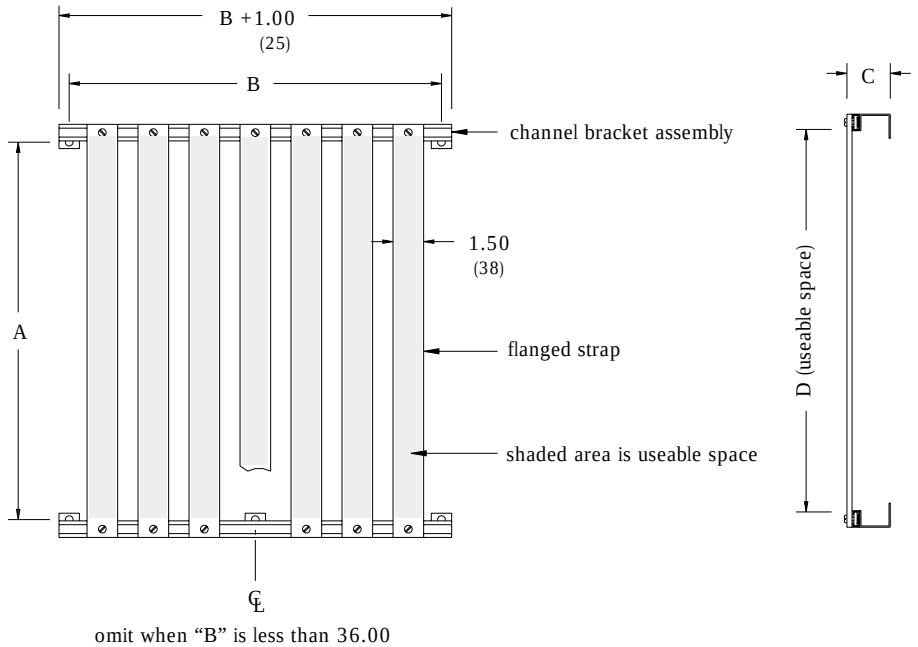
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA Terminal Strap Kits

Accessories

NEMA Terminal Strap Kits fit Type 4, Type 4X and Type 12 Enclosures. Kits are furnished with flanged straps for mounting Flat Base Terminal Blocks, (See Flat Base Terminal Blocks). There is adequate space on each terminal strap should the user wish to provide another style block. Terminal straps are (14) gauge steel with an electrogalvanized finish. They are fastened to channel nuts which allow them to adjust along the width of the channel bracket assembly. Three channel brackets are supplied with kits that fit enclosures that are 36 inches wide. Extra Strap Kits can be ordered separately and come furnished with all hardware necessary for channel mounting.

Terminal Strap Kit Catalog Number	A		B		C		D		Quantity of Straps	Fits Enclosure Height x Width		Extra Strap Kit Catalog Number
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
16TS12	11.25	286	7.25	184	2.18	55	11.75	298	2	16.00x12.00	406x305	16S
20TS16	15.25	387	11.25	286	2.18	55	15.75	400	3	20.00x16.00	508x406	20S
20TS20	15.25	387	15.25	387	2.18	55	15.75	400	4	20.00x20.00	508x508	20S
24TS20	19.25	489	15.25	387	2.18	55	19.75	502	4	24.00x20.00	610x508	24S
24TS24	19.25	489	19.25	489	2.18	55	19.75	502	5	24.00x24.00	610x610	24S
30TS20	25.25	641	15.25	387	2.18	55	25.75	654	4	30.00x20.00	762x508	30S
30TS24	25.25	641	19.25	489	2.18	55	25.75	654	5	30.00x24.00	762x610	30S
36TS24	31.25	794	19.25	489	2.18	55	31.75	806	5	36.00x24.00	914x610	36S
36TS30	31.25	794	25.25	641	2.18	55	31.75	806	6	36.00x30.00	914x762	36S
42TS30	37.25	946	25.25	641	2.18	55	37.75	959	6	42.00x30.00	1067x762	42S
48TS36	43.25	1099	31.25	794	2.18	55	43.75	1111	7	48.00x36.00	1219x914	48S
60TS36	55.25	1403	31.25	794	2.18	55	55.75	1416	7	60.00x36.00	1524x914	60S



omit when "B" is less than 36.00

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Channel Mounted Terminal Blocks

Accessories

Medium-Duty Channel Mount terminal blocks are rated at 300 VAC. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #8 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to dovetail into channel and can be stacked in combination with both Medium-Duty and/or Heavy-Duty Channel Mount type terminals. One Channel Mount Terminal End and two Channel Clamps are required to terminate a stack of blocks (order separately).

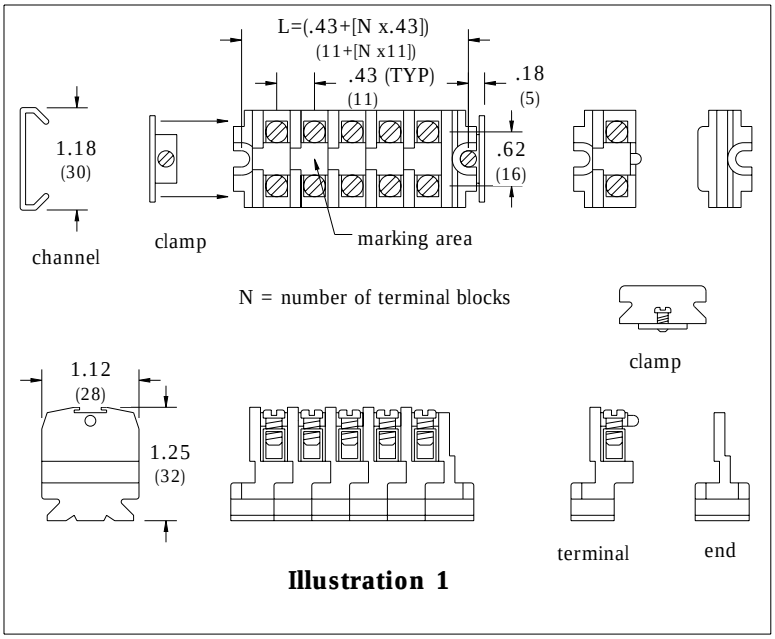


Illustration 1

Heavy-Duty Channel Mount terminal blocks are rated at 600 VAC. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #4 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to dovetail into channel and can be stacked in combination with both Heavy-Duty and/or Medium-Duty Channel Mount type terminals. One Channel Mount Terminal End and two Channel Clamps are required to terminate a stack of blocks (order separately).

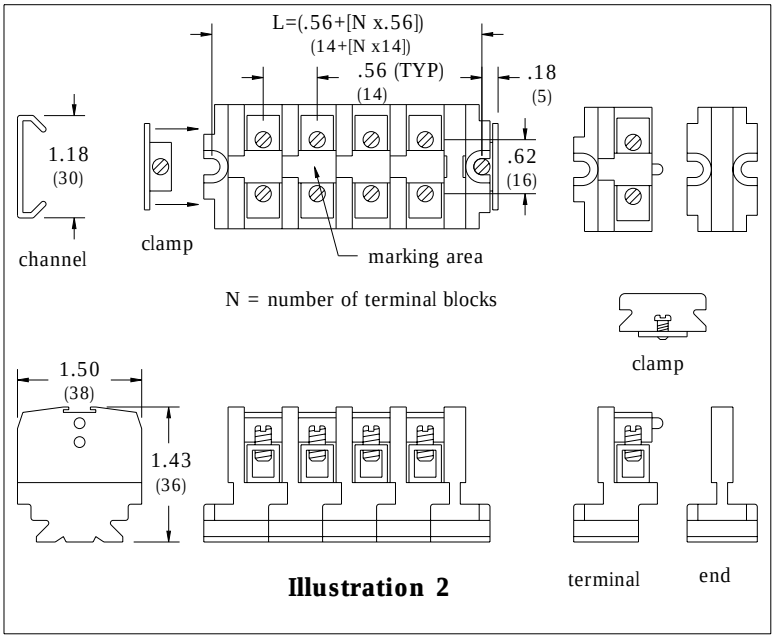


Illustration 2

Catalog Number	Description	Illustration	Quantity
CTB3005	Medium-duty channel mount terminal	1	5
CTE3001	Medium-duty channel mount end	1	1
CT6005	Heavy-duty channel mount terminal	2	5
CE6001	Heavy-duty channel mount end	2	1
CTC2	Channel mount terminal clamp	1 & 2	2
25012A	Channel Strip (72 inch)	1 & 2	1

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

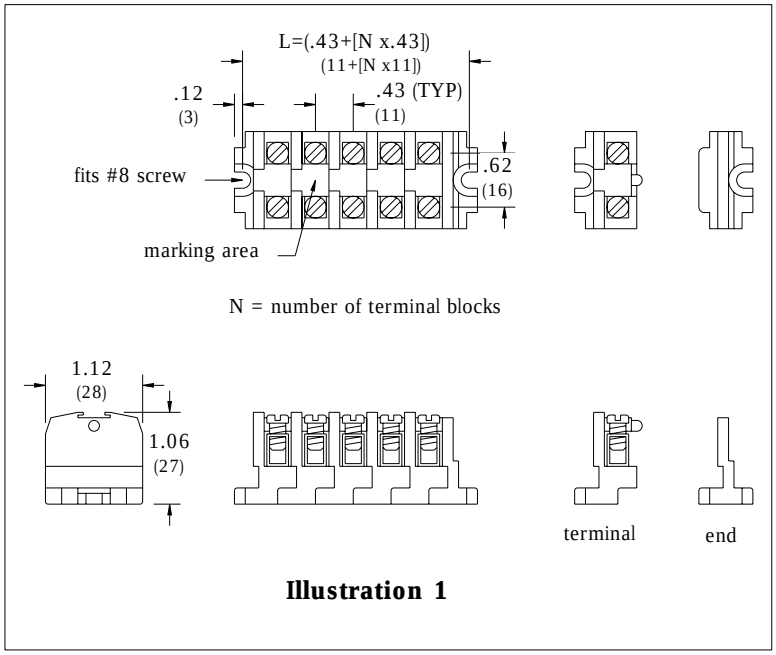


Illustration 1

Medium-Duty Flat Base type terminal blocks are rated at 300 VAC. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #8 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to stack in combination with both Medium-Duty and/or Heavy- Duty Channel Mount type terminals. One Flat Based Terminal End and hardware is required to terminate a stack of blocks (order separately).

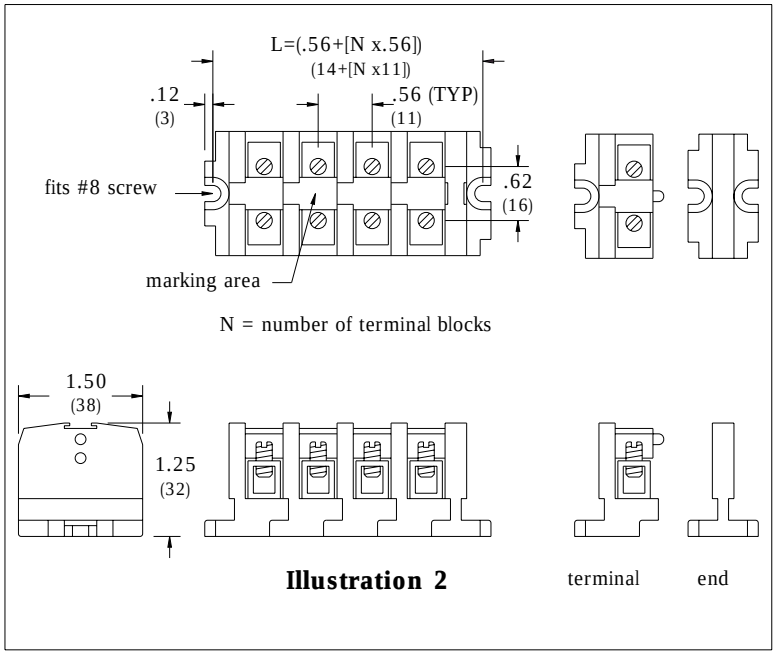


Illustration 2

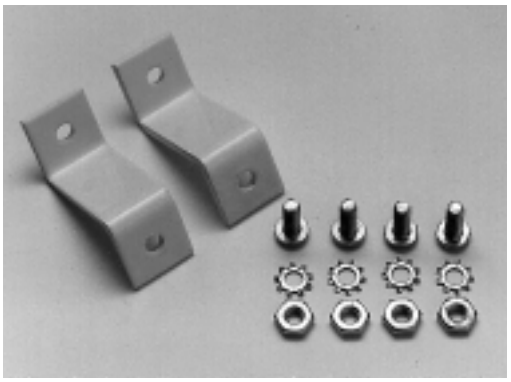
Heavy-Duty Flat Base terminal blocks are rated at 600 VAC. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #4 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to stack in combination with both Heavy-Duty and/or Medium-Duty Flat Base type terminals. One Flat Base Terminal End and hardware is required to terminate a stack of blocks (order separately).

Catalog Number	Description	Illustration	Quantity
FTB3005	Medium-duty flat base terminal	1	5
FTE3001	Medium-duty flat end, (includes #8 screws)	1	1
FT6005	Heavy-duty flat base terminal	2	5
FE6001	Heavy-duty flat end, (incudes #8 screws)	2	1

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

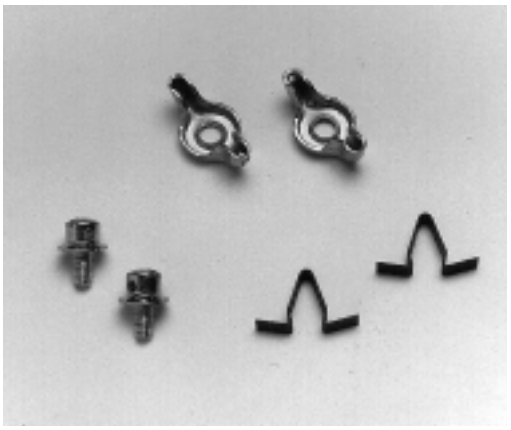
Terminal Strap Support, Sealing Device Kits & Clamping Nut

Accessories



Terminal Strap Support Kit	
Catalog Number	**Description**
TSK	Two support brackets

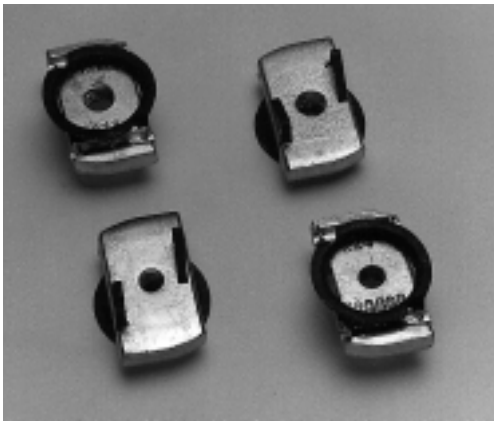
This kit is intended for supporting the Terminal Straps and Strips off the back of panels or enclosure walls. The "Z" shaped brackets are made from (12) gauge steel and have a white enamel paint finish. Two brackets and hardware are furnished with each kit. Terminal Straps and Strips must be purchased separately.



Clockwise from top: Wing Nut, Seal Clip, Seal Screw

Sealing Device Packages		
Catalog Number	**Description**	**Quantity**
SEALS	Wire seal screw	10
SEALWN	Wire seal wing nut	10
SEALC	Wire seal clip	10

Sealing hardware devices are used as replacement pieces for various enclosures and wireway. All hardware is plated.



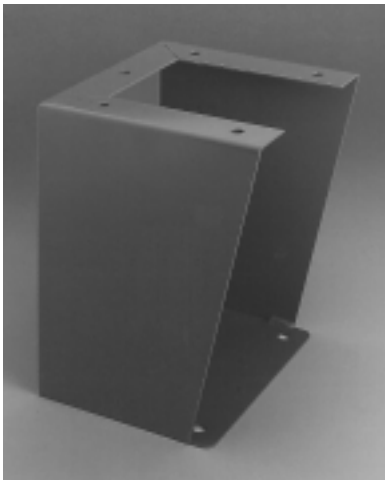
Clamping Nut Package		
Catalog Number	**Description**	**Quantity**
TN228-20	Large, .375-16 thread	20
N624-20	Small, .25-20 thread	20
N627-20	Small, 10-32 thread	20

B-Line® Clamping nuts are intended to be used on channel strut typically found in Consoles, Free-Standing, Terminal, and Disconnect Enclosures. There are two sizes of clamp nuts available. One size fits the 1.62 inch wide (large) channel; The other fits the .81 inch wide (small) channel. The small channel nuts come in two thread sizes (see table).

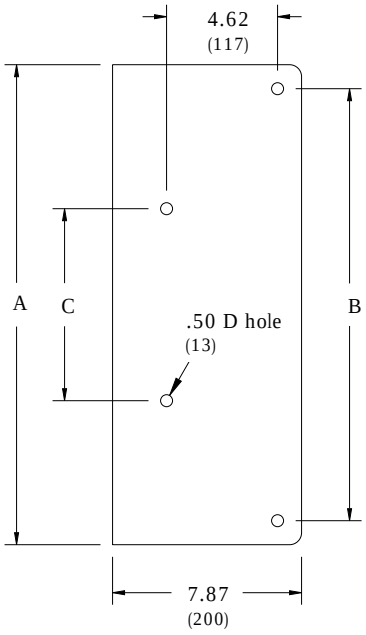
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Floor Stand & Enclosure Stabilizer Kits

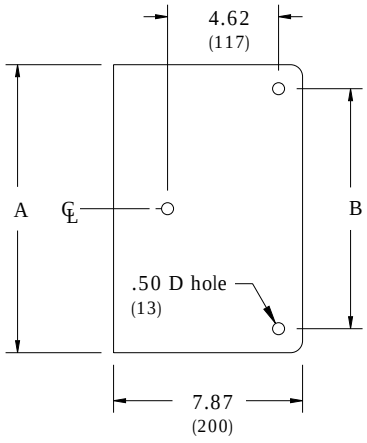
Floor Stand Kits							
Catalog Number		A		B		C	
Steel	Stainless	in.	mm	in.	mm	in.	mm
MFK8	MFK8XS	8.0	203	6.06	154	-	-
MFK10	MFK10XS	10.0	254	8.06	205	-	-
MFK12	MFK12XS	12.0	305	10.06	256	-	-
MFK16	MFK16XS	16.0	406	14.06	357	-	-
MFK20	MFK20XS	20.0	508	18.06	459	8.00	203
MFK24	MFK24XS	24.0	610	22.06	560	10.00	254



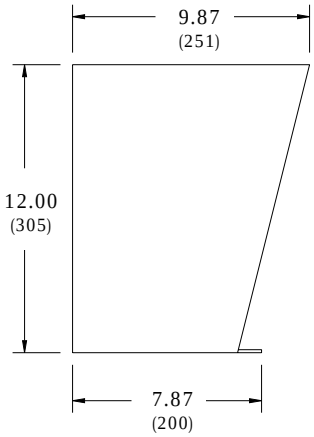
Floor Stand Kits are intended for use with Type 4X, Type 4 and Type 12 Wall Mount Enclosures where floor support is required. They are easily installed on most enclosures where the width is 20 inches (508 mm) or more. The enclosure mounting feet need not be removed in order to install Floor Stand Kits. Each kit consists of two (10) gauge legs and hardware for mounting. At the base of each leg is a prepunched plate (see drawing). Steel kits have a gray polyester powder paint finish. Stainless steel kits are fabricated from 304 alloy. Standard Floor Stand Kits are 12 inches (305 mm) high. For special heights or non-standard construction consult the factory.



Base 20 - 24 Deep

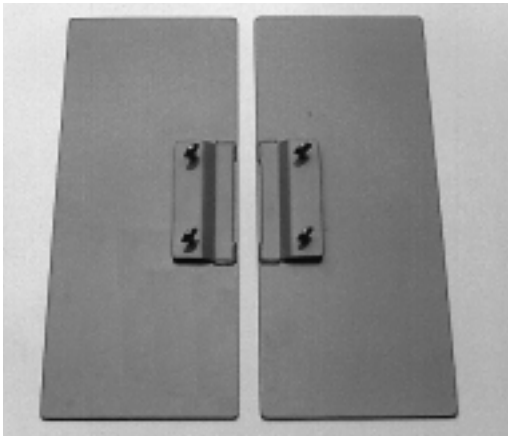


Base 8 - 16 Deep



Floor Stand Kit

Enclosure Stabilizer	
Catalog Number	Quantity
ES2	2

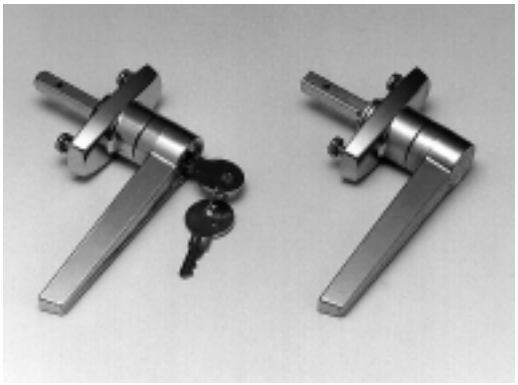


Enclosure Stabilizers are heavy gauge with a wide base for use with NEMA Floor Stand Kits which add stability to large enclosures or top heavy enclosures. Two thumb screws thread into the offset piece and secure the stabilizer to the base of the leg. Two stabilizers are furnished. They are finished with a bright caution orange enamel paint.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

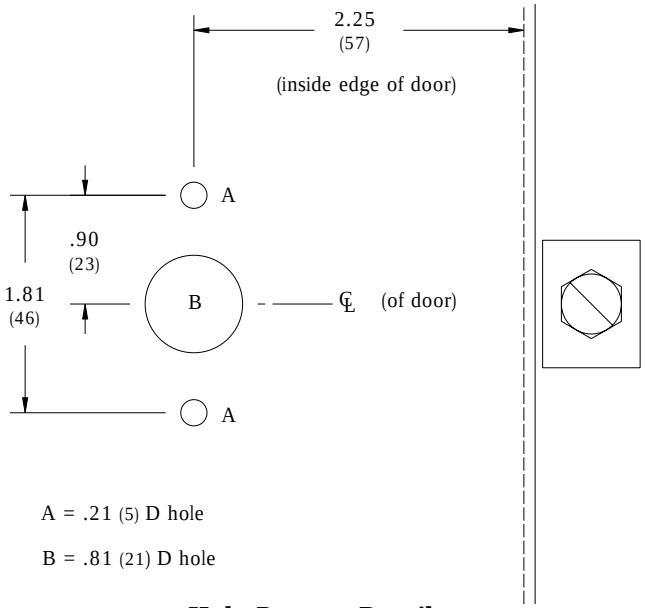
Type 12 Door Handle Kits

Accessories



Type 12 Door Handle	
Catalog Number	**Description**
25228 A	Type 12 handle CCW lock
25228 B	Type 12 handle CCW latch
25228 C	Type 12 handle CW lock
25228 D	Type 12 handle CW latch

Type 12 Door Handles can be used as a replacement lock or latch for Type 12 Wall Mount Double-Door Enclosures, Type 12 Floor-Standing Double-Door Enclosures and also Consoles. These enclosures use a counter-clockwise (CCW) handle rotation. Clockwise (CW) lock and latch are available. Handles are steel with a bright plated finish.



A = .21 (5) D hole

B = .81 (21) D hole

Hole Pattern Detail

Type 12 Door Handle Kits	
Catalog Number	**Description**
25228 A**	Type 12 handle kit CCW lock
25228 B**	Type 12 handle kit CCW latch
25228 C**	Type 12 handle kit CW lock
25228 D**	Type 12 handle kit CW latch

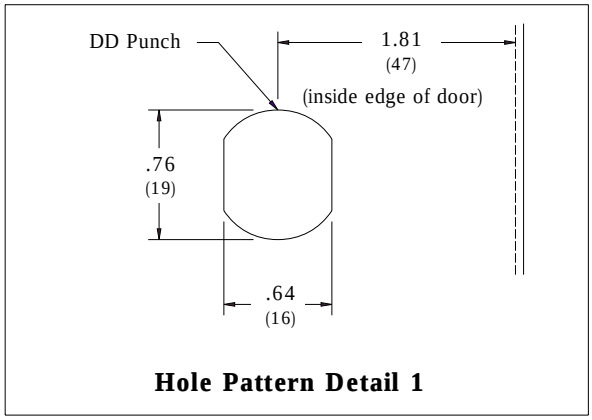
** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). (Example: 25228 A60 for 60 inch height)

Type 12 Door Handle Kits are intended for 3-pt field modifications to most Type 12 Wall Mount Double-Door Enclosures with a height from 20 inches (508 mm) to 72 inches (1829 mm). Locks and latches are available in either counter-clockwise (CCW) or Clockwise (CW) handle rotation. Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all hardware necessary for assembly. The adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail on this page). Handles are steel with a bright plated finish.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4 & 12 Flush Lock	
Catalog Number	**Description**
25351 A	NEMA 4 & 12 flush lock

Flush lock is intended for 1-pt field modification to most Type 4 and Type 12 Single Door Wall Mount Enclosures. Included is detail instructions for the door hole size and location (see detail 1 on this page). The lock is steel with a bright plated finish.

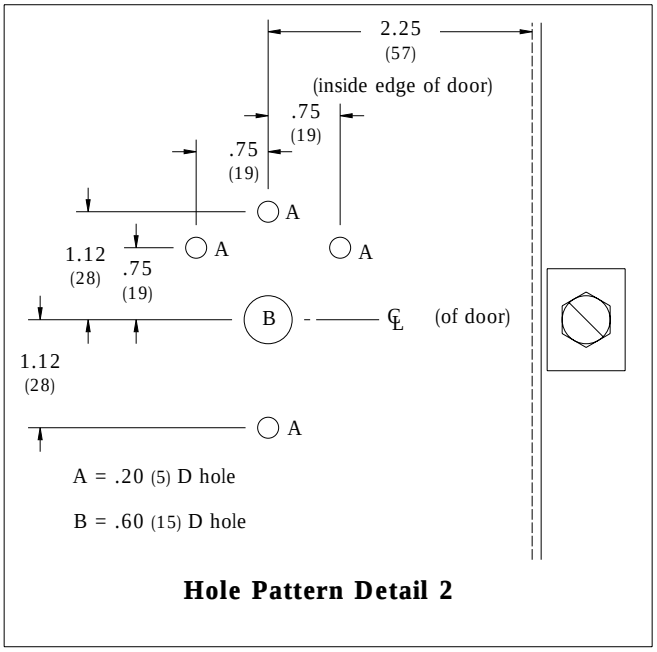


Hole Pattern Detail 1

NEMA 12 Padlock Handle Kits	
Catalog Number	**Description**
25345 A**	NEMA 12 padlock handle kit

** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). Example: 25345 A48 for 48 inch height.

NEMA 12 Padlock Handle Kits are intended for 3-pt field modification to most Type 12 Single Door Wall Mount Enclosures with a standard height from 20 inches (508 mm) to 72 inches (1829 mm). The handle is heavy-duty and will rotate in both the counter-clockwise and clockwise directions. Below handle center is a padlock provision with holes large enough to accommodate up to a .43 inch (11 mm) shaft. Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all the hardware necessary for assembly. Adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail 2 on this page). The Handle is steel with a bright plated finish.

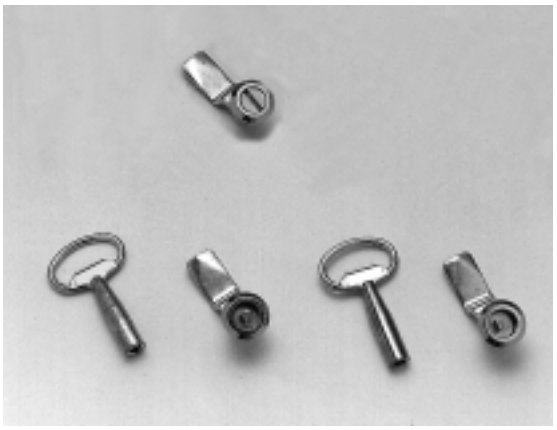


Hole Pattern Detail 2

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 & Type 12 Latch & Lock Kits

Accessories



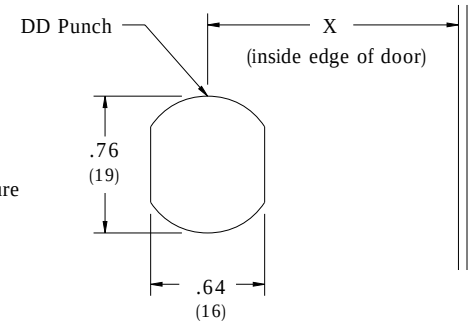
Latch Kits for Type 4 & 12 Enclosures	
Catalog Number	**Description**
25270 A	Slotted flush
25278 A	Triangle flush latch key
25277 A	Triangle flush latch
25289 A	Square flush latch key
25288 A	Square flush latch

A = Chrome Plate
B = Black Finish
Intended to be used on Type 4 and Type 12/13 enclosures which utilize external screw clamps. Latches require a hole punched or drilled in the door for installation. Once installed, an internal O-ring and external gasket maintain a dust-tight and water-tight seal. The tamper resistant latches require specific keys to gain access.

JIC 4 & 12 Flush Lock	
Catalog Number	**Description**
25352 A	JIC 4 & 12 flush lock

Flush Locks are intended for 1-pt field modifications to most Type 4 and 12 JIC Enclosures as well as the Large Type 12 CSHC Enclosures. Included is detail instructions for the door hole size and location (see detail on this page). The lock is steel with a bright plated finish.

X = 1.18 (30) JIC Enclosure
X = 1.68 (43) Large Type 12 CHSC Enclosure

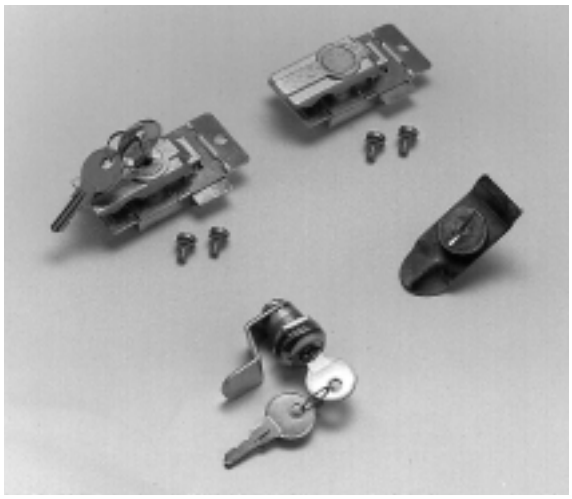


Hole Pattern Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 Encl Mechanism	
Catalog Number	**Description**
25092 F	Tumbler Latch (above 24x24)
25092 B	Tumbler Lock (above 24x24)

Tumbler Lock and Latch are used as replacement mechanisms for Type 1 Panel Enclosures larger than 24 inch x 24 inch (610 mm x 610 mm). They are designed to fit doors which hinge on the left. These mechanisms will **not** fit Type 1 Panel Enclosures 24 x 24 and smaller (see Small Type 1 and Large Type 1 Mechanism table).



Clockwise from top: 25092 F, 25428 A, 25245 A, 25092 B

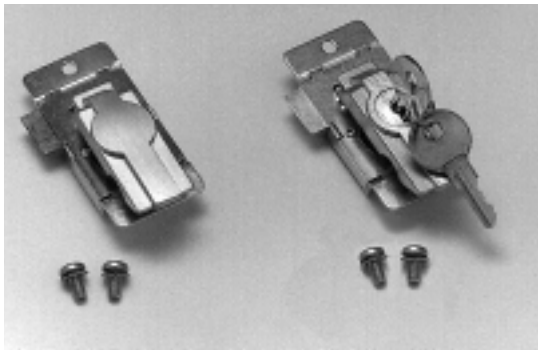
Small Type 1 Encl Mechanism	
Catalog Number	**Description**
25428 A	Coin Turn Latch
25245 A	Flush lock

Type 1 Encl Mechanism	
Catalog Number	**Description**
25428 A	Coin turn latch (up to 24 x 24)
25245 A	Flush lock (up to 24 x 24)

Flush Lock and Coin Turn Latch are used as replacement mechanisms for Small Type 1 Panel Enclosures and Type 1 Panel Enclosures up to and including size 24 inch x 24 inch (610 mm x 610 mm). Type 1 Panel Enclosures larger than 24 x 24 have a door design to accommodate a tumbler style lock or latch (see Large Type 1 Mechanism table). Mechanisms are steel with a plated finish.

Type 1 Tel Cab Mechanism	
Catalog Number	**Description**
25092 C	Tumbler latch (single door)
25092 A	Tumbler lock (single door)

Tumbler Lock and Latch are used as replacement mechanisms for Type 1 Single-Door Telephone Termination Cabinets. They are designed for cabinet doors which hinge on the right side. The low profile mechanism is excellent for surface and flush cabinet cover mounting.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1 & Type 3R Handle Kits

Accessories

Type 1 & 3R T-Handle Lock	
Catalog Number	**Description**
25421 A	T-handle lock

T-Handle Lock is intended to be used as a replacement mechanism for Type 1 Double Door Telephone Termination Cabinets, Type 3R Telephone Termination Cabinets and Spare Fuse Cabinets. The handle is designed to fit doors that hinge on either the left or right side. Cam and adjustable hardware can be rotated accordingly. The lock is steel with a bright plated finish.

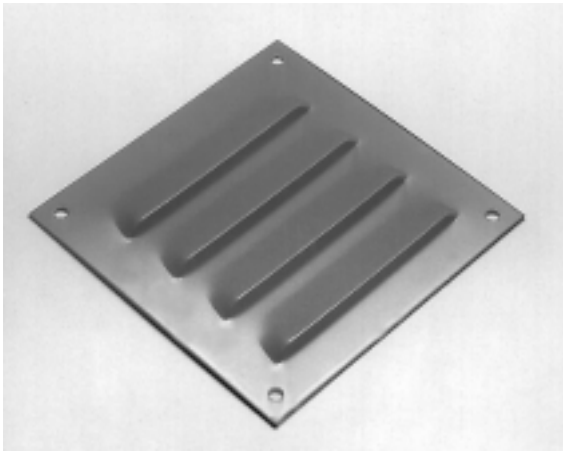
Type 3R Padlock Handle	
Catalog Number	**Description**
25350 A	Type 3R padlock handle

Type 3R Padlock Handle is intended to be used as a replacement mechanism for Type 3R Double-Door Enclosures. It is designed to fit existing 3-pt locking rod and cam assembly. The handle is steel with a bright plated finish.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

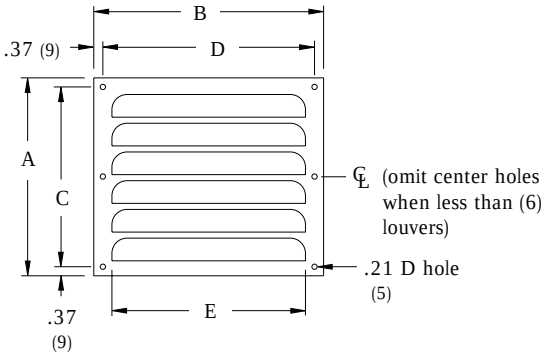
Louver Plate Kits

Accessories

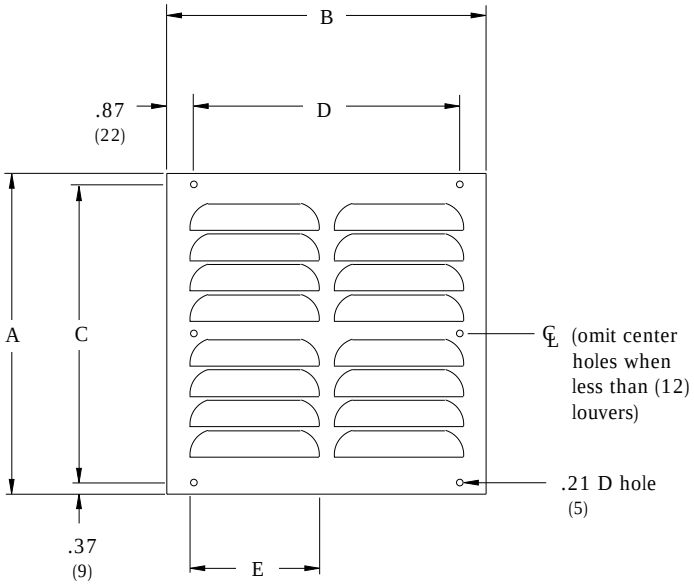


Excellent for providing ventilation in enclosures where external conditions or internal components may cause excessive amount of heat or moisture. Designed to be used with B-Line Systems Filter Kits using the same cut-out and mounting hole configurations. Louver Plate Kits include all of the necessary hardware and instructions for field installation. Plates are constructed from (16) gauge steel and have an ANSI 61 gray polyester powder finish. UL Listed.

Louver Plate Kit	Louver Plate Size								Louver Plate Detail					Enclosure Cut-Out				Area
	A		B		C		D		E		Depth		Quantity	Height		Width		Opening
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	in.	mm	(sq.in.)
LPK23	3.25	83	3.25	83	2.50	64	2.50	64	2.00	51	.25	6	3	2.12	54	2.12	54	1.10
LPK33	3.87	98	4.50	114	3.12	79	3.75	95	3.00	76	.25	6	3	2.50	64	3.12	79	1.68
LPK34	4.75	121	4.50	114	4.00	102	3.75	95	3.00	76	.25	6	4	3.37	86	3.12	79	2.20
LPK43	4.50	114	5.50	140	3.75	95	4.75	121	4.25	121	.25	6	3	3.00	76	4.12	105	2.30
LPK44	5.62	143	5.50	140	4.87	124	4.75	121	4.25	121	.25	6	4	4.00	102	4.12	105	3.10
LPK64	5.62	143	7.50	191	4.87	124	6.75	171	5.50	140	.25	6	4	4.25	121	6.12	155	4.10
LPK66	7.87	200	7.50	191	7.12	181	6.75	171	5.50	140	.25	6	6	6.50	165	6.12	155	6.10
LPK84	5.81	148	10.50	267	5.06	129	8.75	222	4.25	108	.25	6	8	4.25	121	8.12	206	6.30
LPK86	8.19	208	10.50	267	7.44	189	8.75	222	4.25	108	.25	6	12	6.50	165	8.12	206	9.50
LPK88	10.56	268	10.50	267	9.81	249	8.75	222	4.25	108	.25	6	16	8.75	222	8.12	206	12.70
LPK812	15.31	389	10.50	267	14.56	370	8.75	222	4.25	108	.25	6	24	13.25	337	8.12	206	19.00



LPK23 to LPK66 Typical

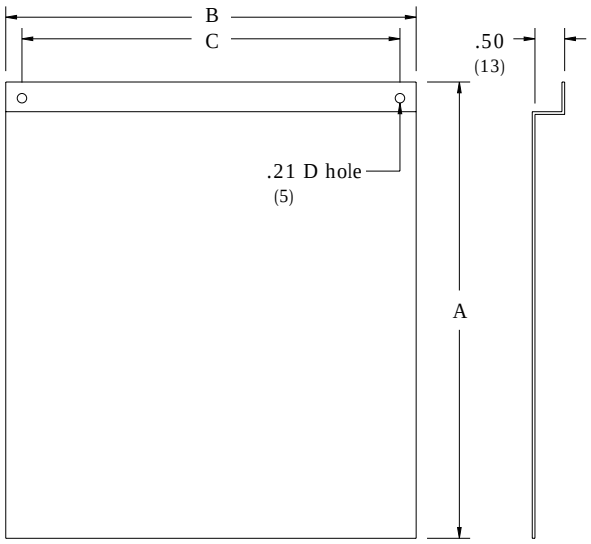


LPK84 to LPK812 Typical

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

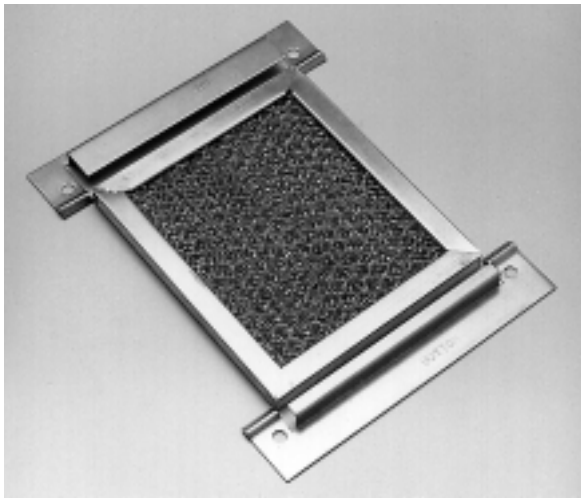
Louver Baffle Plates & Filter Kits

Accessories



Baffle Plates							
Baffle Plate Catalog Number	A in.	A mm	B in.	B mm	C in.	C mm	Used with Louver Plate Catalog Number
BP23	3.25	83	3.25	83	2.50	64	LKP23
BP33	3.87	98	4.50	114	3.75	95	LPK33
BP34	4.75	121	4.50	114	3.75	95	LPK34
BP43	4.50	114	5.50	140	4.75	121	LPK43
BP44	5.62	143	5.50	140	4.75	121	LPK44
BP64	5.12	130	7.50	191	6.75	171	LPK64
BP66	7.37	187	7.50	191	6.75	171	LPK66
BP84	5.31	135	9.50	241	8.75	222	LPK84
BP86	7.68	195	9.50	241	8.75	222	LPK86
BP88	10.06	256	9.50	241	8.75	222	LPK88
BP812	14.81	376	9.50	241	8.75	222	LPK812

Baffle Plates are intended to be used with Louver Plates when it is necessary to prevent direct access into the enclosure through the louver opening. The plate is designed to mount to the inside of the enclosure using the same cut-out and mounting holes required to mount the Louver Plate Kit. Plates are (16) gauge steel and have an ANSI 61 gray polyester powder finish. UL Listed.



Filters	
Filter Catalog Number	Used with Louver Plate Catalog Number
FLT33	LPK33
FLT34	LPK34
FLT43	LPK43
FLT44	LPK44
FLT64	LPK64
FLT66	LPK66
FLT84	LPK84
FLT86	LPK86
FLT88	LPK88
FLT812	LPK812

Designed for use with Louver Plate Kits. The Filter mounts securely inside of the enclosure using the brackets and hardware furnished with the kit. The Filter is comprised of finely woven aluminum strips which offers protection against airborne dust and dirt. Periodic washing with warm water is needed to keep the Filter clean. For best results, coating with B-Line Systems Air Filter Adhesive is recommended.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Filter Adhesive, Touch-Up Paint

Data Sheet

Filter Adhesive	
Catalog Number	**Description**
FAS-418	14 oz. Aerosol Spray

Use the filter adhesive to help increase efficiency of air filters. The adhesive spray helps trap small particles that normally pass through the filter and helps protect the elements within.

Touch-Up Paint	
Catalog Number	**Description**
84032	ANSI 49 gray
84033	White enamel
84034	ANSI 61 gray

Touch-Up Paint can be used to repair the finish of panels and enclosures. Paint is available in ANSI 61, ANSI 49 and White Enamel in 12oz. spray cans.

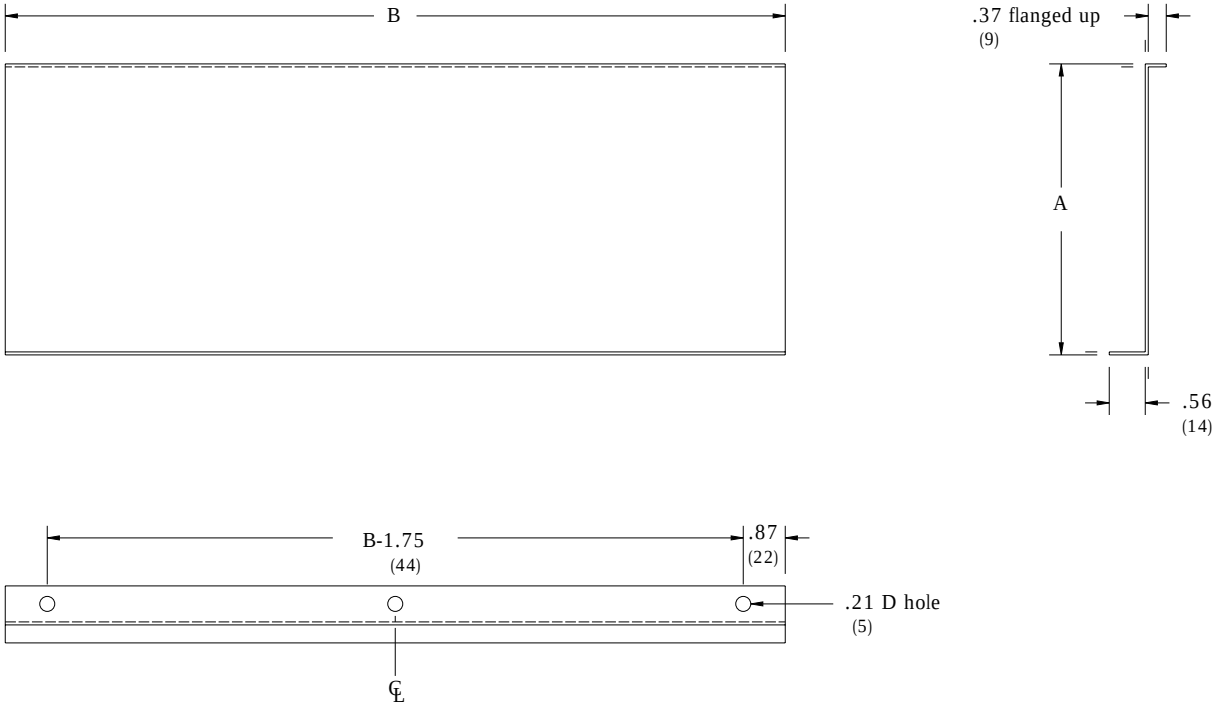
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enclosure Barrier & Shelf Kits

Accessories

Barrier/Shelf Kit Catalog Number	A in.	A mm	B in.	B mm	Fits Enclosure (and larger) Length x Depth in.	Fits Enclosure (and larger) Length x Depth mm
BK412	3.87	98	11.75	298	12.00x4.00	305x102
BK415	3.87	98	14.75	375	15.00x4.00	381x102
BK418	3.87	98	17.75	450	18.00x4.00	457x102
BK424	3.87	98	23.75	603	24.00x4.00	610x102
BK430	3.87	98	29.75	756	30.00x4.00	762x102
BK436	3.87	98	35.75	908	36.00x4.00	914x102
BK448	3.87	98	47.75	1213	48.00x4.00	1219x102
BK612	5.87	149	11.75	298	12.00x6.00	305x152
BK615	5.87	149	14.75	375	15.00x6.00	381x152
BK618	5.87	149	17.75	450	18.00x6.00	457x152
BK624	5.87	149	23.75	603	24.00x6.00	610x152
BK630	5.87	149	29.75	756	30.00x6.00	762x152
BK636	5.87	149	35.75	908	36.00x6.00	914x152
BK648	5.87	149	47.75	1213	48.00x6.00	1219x152

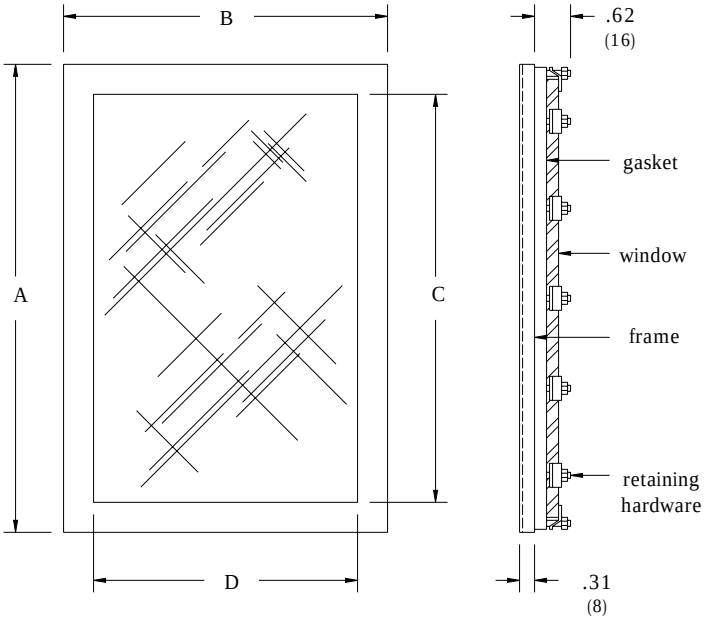
Barrier/Shelf Kits are intended for use with Type 1 and Type 3R Telephone Termination Cabinets. Barrier/Shelf kits can also be used with other types of enclosure designs provided the enclosure dimensions are large enough to fit the Barrier/Shelf (see table). The flanged lip design creates a ridged barrier construction or a shelf for containing and storing spare fuses and other components. Each kit includes all the necessary hardware for field installation. The Barrier/Shelf is constructed from (16) gauge steel and has an ANSI 49 gray primer finish.



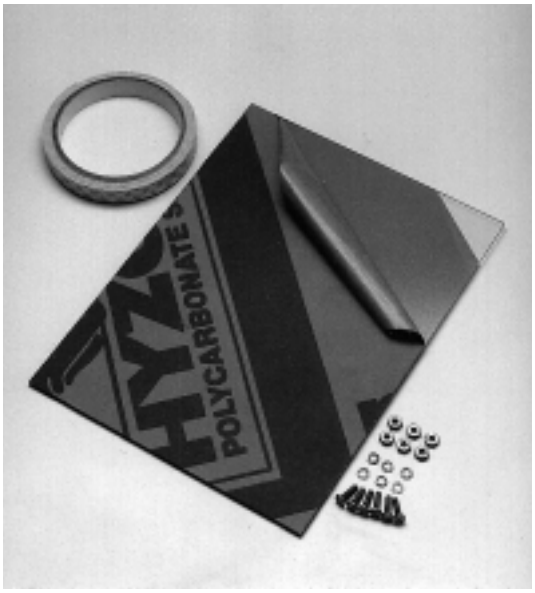
(omit center hole where "B" is less than 23.75)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Framed Window Kits Catalog Number		Frame Detail				Window Detail				Enclosure	
		A		B		C		D		Cut-Out	
Steel	Stainless	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PWK53	PWK53SS	7.50	191	5.50	140	5.00	127	3.00	76	6.62x4.62	168x117
PWK95	PWK95SS	11.50	292	8.00	203	9.00	229	5.50	140	10.62x7.12	270x181
PWK133	PWK133SS	15.50	394	5.50	140	13.00	330	3.00	76	14.62x4.62	371x117
PWK138	PWK138SS	15.50	394	10.50	267	13.00	330	8.00	203	14.62x9.62	371x244
PWK175	PWK175SS	19.50	495	8.00	203	17.00	432	5.50	140	18.62x7.12	473x181
PWK1711	PWK1711SS	19.50	495	13.50	343	17.00	432	11.00	279	18.62x12.62	473x321
PWK2315	PWK2315SS	25.50	648	17.50	445	23.00	584	15.00	381	24.62x16.62	625x422
PWK2919	PWK2919SS	31.50	800	21.50	546	29.00	737	19.00	483	30.62x20.62	778x524
PWK3523	PWK3523SS	37.50	953	25.50	648	35.00	889	23.00	584	36.62x24.62	930x625



Steel Framed Window Kits are designed for use with Type 4 and Type 12 Enclosures. Stainless Steel Framed Window Kits are for use with Type 4X Enclosures, however, they can also be used on Type 4 and Type 12, if additional corrosion protection is needed. Steel kits are constructed from heavy gauge and have an ANSI 61 gray polyester powder finish. Stainless steel kits are constructed from Type 304 stainless and have a brushed finish. Each kit includes a .25 inch (6 mm) thick polycarbonate window and gasket to ensure a tight, oil and water-resistant seal around the enclosure cut-out. Hardware and instructions for field installation are also furnished. UL Listed.



Frameless Window Kits are intended for use with Type 1 and Type 12 Enclosures. Each kit includes a roll of .50 inch (13 mm) wide double-sided adhesive tape and a .12 inch (3 mm) thick polycarbonate window. Instructions for mounting and hardware are also furnished. UL listed.

Frameless Window Kits				
	Window Size		Enclosure cut-out (max)	
Catalog Number	in.	mm	in.	mm
FLWK52	6.00x3.00	152x76	5.00x2.00	127x51
FLWK96	10.00x7.00	254x178	9.00x6.00	229x152
FLWK133	14.00x4.00	356x102	13.00x3.00	330x76

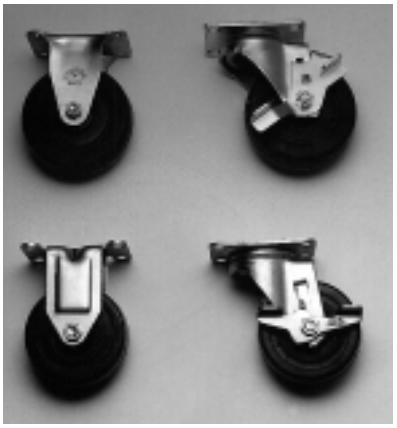
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Hinged Window Kits, Casters and Hole Seals

Accessories

Framed Window Kits	Frame Detail				Window Detail				Enclosure	
	Height		Width		Height		Width		Cut-Out	
Catalog Number	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
HWK1212	12.50	318	12.50	318	10.12	257	10.12	257	11.87x11.87	301x301
HWK1612	16.50	419	12.50	318	14.12	359	10.12	257	15.87x11.87	403x301
HWK2016	20.50	521	16.50	419	18.12	460	14.12	359	19.87x15.87	505x403
HWK2020	20.50	521	20.50	521	18.12	460	18.12	460	19.87x19.87	505x505
HWK2420	24.50	622	20.50	521	22.12	562	18.12	460	23.87x19.87	606x505
HWK3024	30.50	775	24.50	622	28.12	714	22.12	562	29.87x23.87	759x606

Provides a clear view to components mounted inside an enclosure. The window is made of .21-inch thick polycarbonate. All mounting hardware is provided for easy installation. Gasketing along all edges maintains the Type 12 rating. Finished in ANSI 61 gray polyester powder. UL Listed.



Casters for Series AW-9 and AW-14 Consoles		
Catalog Number	Description	Mounting plate size (front to back)
4700-CC	Set of 4 casters, 2 mounting plates and hardware	16”
4700-CC2	Set of 4 casters, 2 mounting plates and hardware	19”

Each set contains 2 swivel casters and two stationary casters. Composition rubber wheel is self-lubricating and has a soft rubber tread with a hard rubber core. Each swivel wheel has a side brake. Each caster has a 200 pound load capacity.

Painted Steel - U.L. listed as Type 3R, 12, 13, & 4
Stainless Steel - U.L. listed as Type 4X

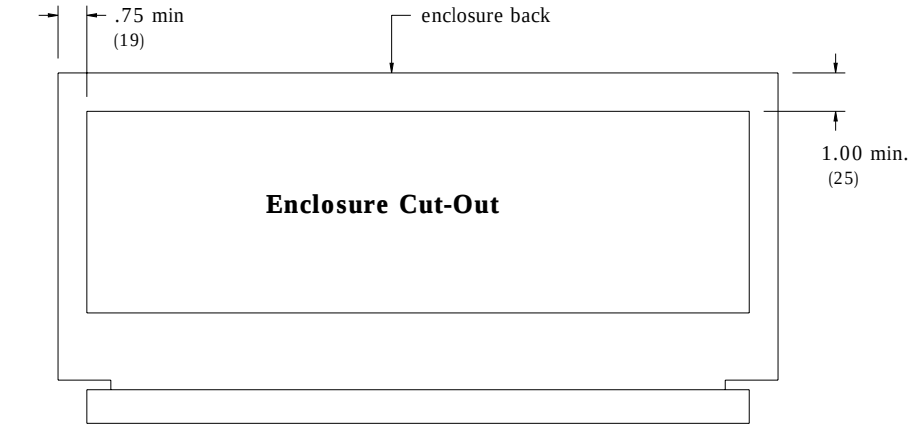
Oil-Tight Hole Seals						
Catalog Number		Application	Max. Hole Diameter		Hole Seal Diameter	
Steel	Stainless		in.	mm	in.	mm
SPBG	SPBGSS	Miniature oil-tight pushbutton holes	0.88	22	1.22	31
SPB	SPBSS	Standard oil-tight pushbutton holes	1.25	32	1.75	44
S050	S050SS	1/2-inch conduit holes	.88	22	1.38	35
S075	S075SS	3/4-inch conduit holes	1.06	27	1.56	40
S100	S100SS	1-inch conduit holes	1.38	35	1.88	48
S125	S125SS	1 1/4-inch conduit holes	1.69	43	2.19	56
S150	S150SS	1 1/2-inch conduit holes	2.00	51	2.50	64
S200	S200SS	2-inch conduit holes	2.50	64	3.00	76
S250	S250SS	2 1/2-inch conduit holes	3.00	76	3.50	89
S300	S300SS	3-inch conduit holes	3.62	92	4.12	105
S350	S350SS	3 1/2-inch conduit hole	4.12	105	4.62	117
S400	S400SS	4-inch conduit holes	4.62	117	5.12	130

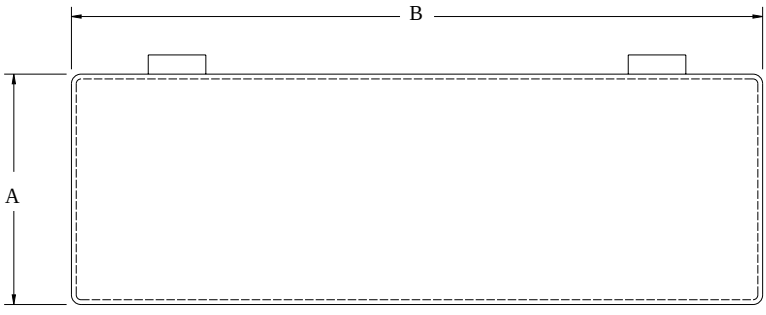
Protects knockout openings and extra pushbutton or conduit openings from dirt, oil, dust and water. Each hole seal has oil-resistant gasketing and plated stud and wing nut. Available in steel finished with ANSI 61 polyester powder or unpainted stainless steel.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Catalog Number	Gland Plate Detail A in.	A mm	B in.	B mm	Enclosure Cut-Out in.	Enclosure Cut-Out mm
GP610	6.00	152	10.00	254	5.00x9.00	127x229
GP618	6.00	152	18.00	457	5.00x17.00	127x432

Intended for use with Type 12 Enclosures and is an excellent means of providing a removable access plate to an enclosure and still maintain its listing. The Gland Plate is constructed from (16) gauge steel and has ANSI 61 gray polyester powder finish. Fastening is done from the inside of the enclosure to prevent tampering. Hardware and instructions are included with the kit. UL Listed.





Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Drip Shield Kits

Accessories

NEMA 12 Drip Shield Kits	
Catalog Number	**Fits Enclosure**
DK12A	12.00 inch wide
DK16A	16.00 inch wide
DK20A	20.00 inch wide
DK24A	24.00 inch wide
DK30A	30.00 inch wide
DK36A	36.00 inch wide

The NEMA 12 Drip Shield Kit is intended for use with Type 12 Single Door Wall Mount Enclosures. It offers protection to the door and hardware from dripping water and falling dust. The drip shield is constructed from (14) gauge steel and has an ANSI 61 gray polyester powder finish. It attaches to the enclosure front, above the door. The kit includes a drip shield, stainless steel clamps, hardware and sealing compound. UL Listed

NEMA 4X Drip Shield Kits	
Catalog Number	**Fits Enclosure**
DK12SS	12.00 inch wide
DK16SS	16.00 inch wide
DK20SS	20.00 inch wide
DK24SS	24.00 inch wide
DK30SS	30.00 inch wide
DK36SS	36.00 inch wide

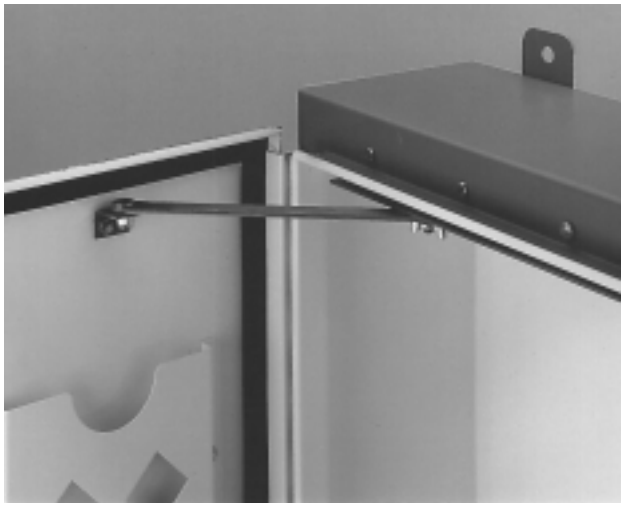
The NEMA 4X Drip Shield Kit is intended for use with Type 4X and Type 4 Single Door Wall Mount Enclosures. It offers protection to the door and hardware from dripping water and falling dust. The drip shield is constructed from (14) gauge steel and has a fine brushed finish. The shield attaches to the enclosure top front. The kit includes a drip shield, stainless steel hardware, and sealing compound. UL Listed.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Door Stop Kit & Folding Shelf Kits

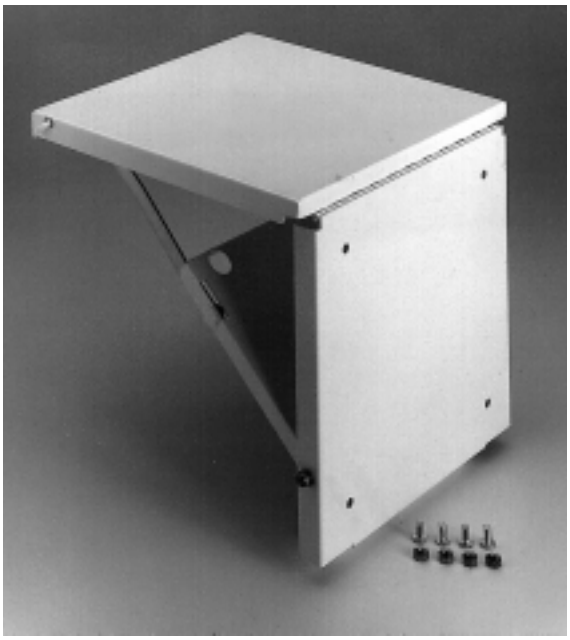
Door Stop Kit	
Catalog Number	**Description**
DSTOPK	Door stop kit

Door Stop Kits are intended for most Type 4 and Type 12 Single Door Wall Mount Enclosures that have a minimum width of 16 inches. The kit is designed to mount at the top or bottom of the door opening. When properly installed the door can be held open approximately 135°. Tools are not necessary to affix or release the stop. When not in use the assembly folds and locks neatly away. Each kit contains detailed mounting instructions and all the necessary hardware for field assembly.



Folding Shelf Kit	
Catalog Number	**Description**
FSHELF12	12 x 12 Flat mounting surface
FSHELF18	18 x 18 Flat mounting surface

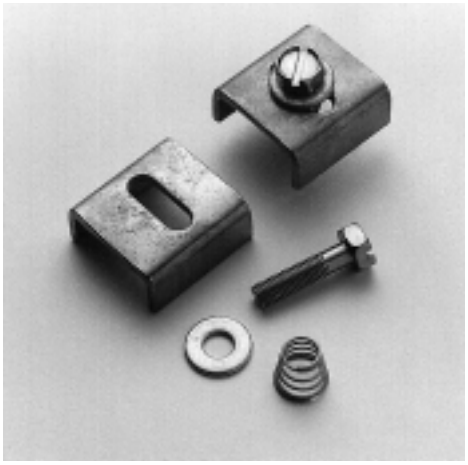
The folding shelf is intended to mount inside or outside of enclosure to support components, sensitive instruments and other equipment which may be integral to the enclosure. When properly installed the shelf will fold open into a locked position perpendicular to the mounting surface. When not in use, the shelf folds down into a locked position. The Folding Shelf is constructed from heavy gauge steel and has a white polyester powder paint finish.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

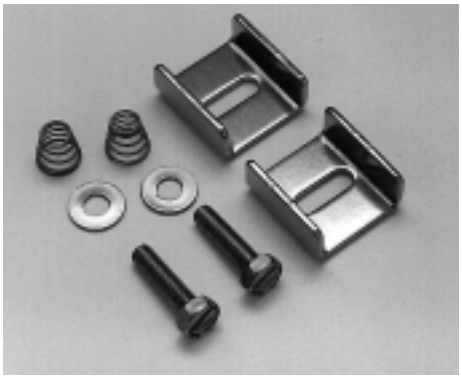
NEMA Door Clamp Kits

Accessories



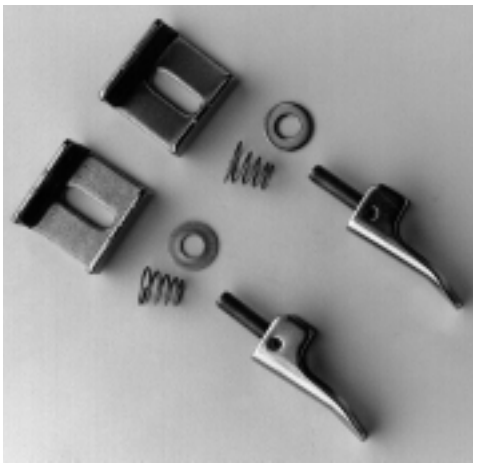
Type 12 Door Clamp Kit		
Catalog Number	**Description**	**Quantity**
N12CK2	Door clamp kit	1

This kit is intended as replacement clamp parts on Type 12 Single Door Wall Mount Enclosures. Each kit contains two each door clamps, screw fastener, springs and washers. The clamps, screws and washers are plated steel, the springs are stainless steel.



Type 4 & 4X Door Clamp Kit		
Catalog Number	**Description**	**Quantity**
N4XCK2	Door clamp kit	1

This kit is intended as replacement clamp parts on Type 4X and Type 4 Wall Mount and Floor Standing Enclosures. Each kit contains two each door clamps, screw fasteners, springs and washers. All clamp parts and hardware are stainless steel.



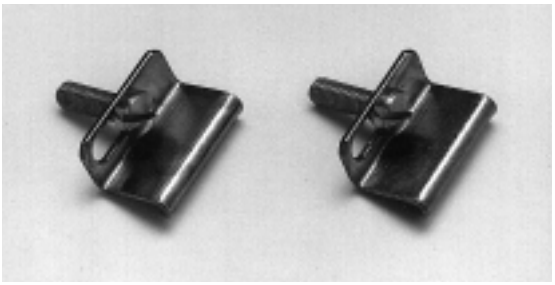
NEMA Fast-Access Clamp Kit		
Catalog Number	**Description**	**Quantity**
FC412SS	Fast-clamp, stainless steel	1

This kit is intended to be used in place of standard NEMA door clamps to provide quick access into an enclosure. Clamps will fit Type 4X, 4 and 12 Single Door Wall Mount Enclosures. They will also replace the clamps used on Type 4X and Type 4 Floor Standing Enclosures. Gasket compression is controlled by turning the handle in or out of the bracket. UL Listed.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

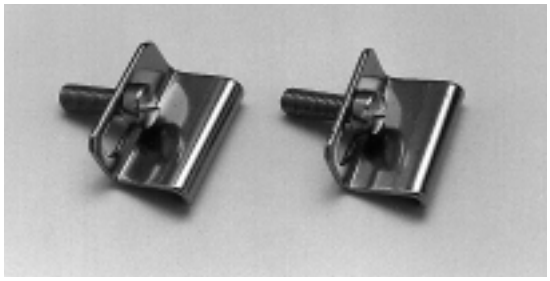
JIC 12 Cover Clamp Kit		
Catalog Number	**Description**	**Quantity**
J12CK2	Cover clamp kit	1

This kit is intended as replacement clamp parts on all JIC Type 12 hinge cover and clamp cover devices. Clamps will also fit NEMA 12 Feed-Through Wireway and NEMA 12 Wiring Trough. Each kit has two plated steel cover clamps and plated screw fasteners.



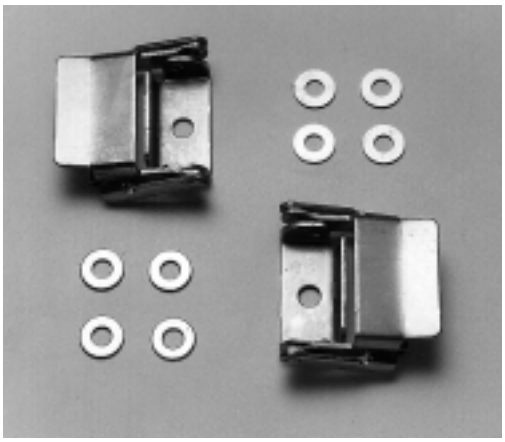
JIC 4 & 4X Cover Clamp Kit		
Catalog Number	**Description**	**Quantity**
J4XCK2	Cover clamp kit	1

This kit is intended as replacement clamp parts on all JIC Type 4X and JIC Type 4 Wall Mount and Floor Standing Enclosures. Each kit contains two stainless steel screw fasteners.



JIC Fast-Access Clamp Kit		
Catalog Number	**Description**	**Quantity**
L23	Fast-clamp, steel	1
L23SS	Fast-clamp, stainless	1

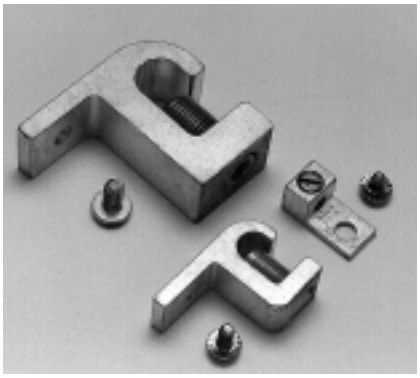
This kit is intended to be used in place of standard JIC cover clamps to provide quick access into an enclosure. Clamps will fit JIC Type 4X, 4 and 12 hinge and clamp cover enclosures. They will also replace the clamps used on NEMA 12 Feed-Through Wireway and NEMA 12 Wiring Trough. These clamps will **not** fit the JIC screw or quick-release cover designs. Each kit includes washers for fitting between the enclosure bracket and the fast-access clamp to control gasket compression. Kits are available in plated steel (Type 12 Enclosures) and stainless steel (Type 4X & 4 Enclosures). UL Listed.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

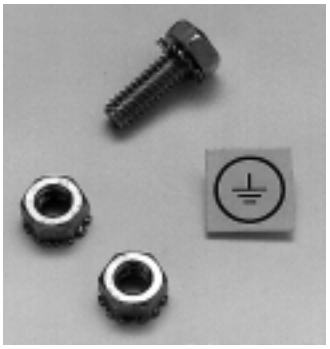
Ground Lug Kits, Grounding Devices & JIC Padlock Kit

Accessories



Ground Lug Kits		
Catalog Number	**Wire Range**	**Fastener**
10184 A	#6-#14 AWG CU/AL	#10-32
10184 B	1/0-#14 AWG CU/AL	#10-32
10184 C	250MCM-1/0 CU/AL	.25-20

Ground Lug Kits are intended to provide a means for equipment grounding for most enclosures. Lug sizes 1/0 and above have a "J" shaped design to lay-in wire and cable. The fastener is colored green to meet NEC standards for grounding devices.



Grounding Device						
Catalog Number	**Description**	**Approximate Wire Size**	**Length Between Ring Terminals**		**Ring Terminal For Stud Diameter**	
			in.	**mm**	**in.**	**mm**
GLK2	Grounding Kit	-	-	-	-	-
GS88	Grounding Strap	#8	8.00	203	.250	6
GS816	Grounding Strap	#8	16.00	406	.250	6
GS48	Grounding Strap	#4	8.00	203	.375	10
GS416	Grounding Strap	#4	16.00	406	.375	10

C.S.A. Grounding Kit is intended for use on Industrial Control Enclosures with panels where product must comply with Canadian Standards Association (C.S.A.) requirements. The kit includes hardware, labels and instructions for application.

The grounding strap is used to provide electrical continuity between metal parts which must be electrically connected. The strap is stranded copper with a ring terminal at each end. The strap is insulated in green wrap.

JIC Padlock Kit	
Catalog Number	**Description**
PLKJIC	Padlock Kit
PLKJICSS6	Padlock Kit Type 316 Stainless Steel

The JIC Padlock Kit is designed to field install on all JIC type and Larger Type 12 CSHC Enclosures. Mounting hardware and instruction are provided.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Adapter Kits, Hardware Packages

Operator Adapter Kits	
Catalog Number	**Brand and Type of Operator**
AP-ABFD	Allen-Bradley 1494F and 1494D
AP-ABV	Allen-Bradley 1494V
AP-CH	Cutler-Hammer C361, C371/ABB Controls
AP-GE	General Electric STDA
AP-ITE	I-T-E Max-Flex
AP-SD	Square D Class 9422, (variable depth only)
AP-WSM	Westinghouse SM
AP-WAMT	Westinghouse AMT (below handle) and Flex Shaft™

Intended for use on all B-Line Systems disconnect enclosures with universal cutouts. Adapter kits are required to install a disconnect in B-Line Systems enclosures with universal mounts. Each kit contains an adapter plate and all parts used to interlock the disconnect operating mechanism with the master door. Installation instructions are included in each kit.

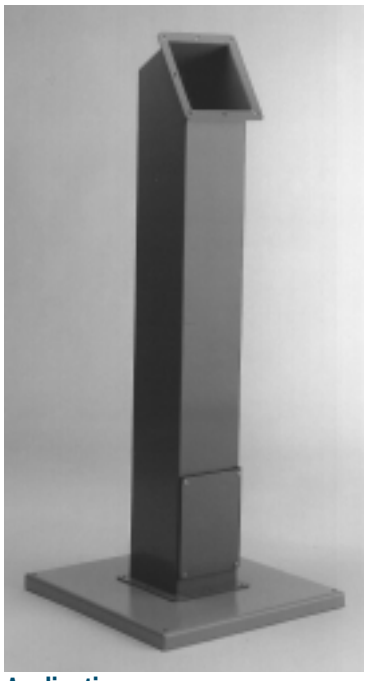
Hardware Packages			
Catalog Number	**Description**	**Typical Use**	**Quantity**
10169	#10-32 screw	JIC 12 & 14, small 3R & 1 panel mtg	4
10240 A	#10-32 stainless nut & washer	JIC 4X panel mtg	4
10242 A	.375-16 stainless flange nut	NEMA 4X panel mtg	4
10242 B	.375-16 stainless flange nut	NEMA 4X panel mtg	6
10242 C	.375-16 stainless flange nut	NEMA 4X panel mtg	8
10242 D	.375-16 stainless flange nut	NEMA 4X panel mtg	10
10243 A	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	4
10243 B	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	6
10243 C	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	8
10243 D	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	10
10108 A	Formed hinge and screw	RTHC cover mtg	2
10118 A	#10-32 gasketed screw	WPSC cover mtg	10
10129 A	Oval head screw, cupped washer	Type 1 telephone cabinet cover mtg	10
10119 A	#10-32 retaining screw & washer	JIC-SC, consolet, console, pushbutton cover mtg	10
10166 A	10-32 x .50 inch steel screw	Miscellaneous cover mtg	20
10167 A	10-32 x .50 inch stainless screw	MIscellaneous cover mtg	20

A variety of Hardware Packages intended to be used as replacement hardware parts for the different styles and types of B-Line Systems enclosures. For more information or for availability of other replacement parts consult the factory.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Columns & Bases

Accessories



Construction

- Columns are fabricated from (14) gauge steel and provide rigid support of mounted equipment.
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cables
- Column has a gasketed access plate
- Kit consisting of a box connector, gasket and hardware is furnished
- Top flange of angle column type is at a 60˚ angle to the floor
- Bases have hole pattern suitable for any size or type column
- Floor mounting holes and leveling screws provided with each base

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Standards

- Conforms to NEMA standard for Type 13 and Type 12

Application

- Enable floor mounting of various types of enclosures.
- Designed to support enclosures at a 60˚ angle to the floor

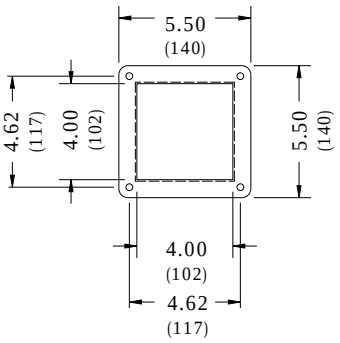
Columns					
Catalog Number	Type	Column Size A x B Width x Depth in.	mm	Access Opening Height x Width in.	mm
AC-44COL	Straight	4.00x4.00	102x102	6.00x2.75	152x70
AC-44ACOL	Angled	4.00x4.00	102x102	6.00x2.75	152x70
AC-66COL	Straight	6.00x6.00	152x152	6.75x4.75	171x121
AC-66ACOL	Angled	6.00x6.00	152x152	6.75x4.75	171x121

Bases				
Catalog Number	Base Size A x B Width in.	Depth mm	C in.	D mm
AC-1818BASE	18.00x18.00	457x457	17.00x17.00	432x432
AC-2424BASE	24.00x24.00	610x610	23.00x23.00	584x584

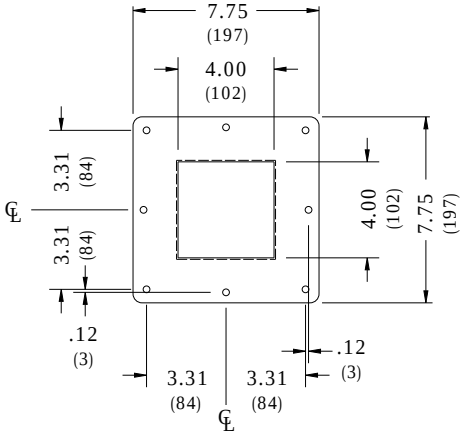
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Flange Detail

4.00 x 4.00

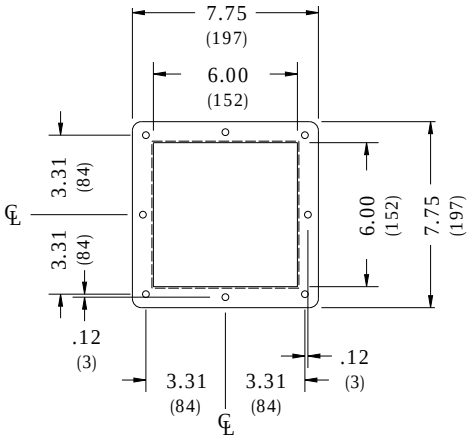


Top Flange

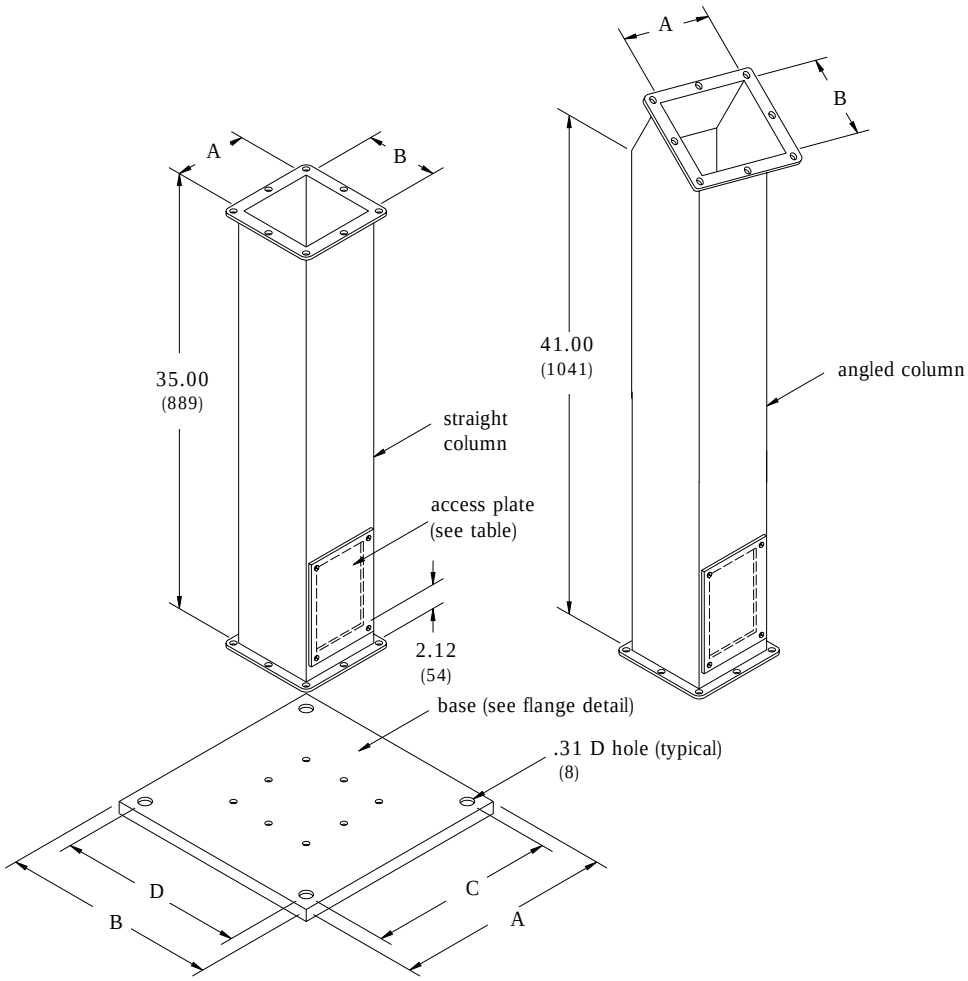


Bottom Flange

6.00 x 6.00



Top & Bottom Flange



Notes: Flange holes are .28 D. Flange radii are .37 R. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Print Pockets		
Catalog Number	Length x Width in.	mm
32170	6"x 6"	152x152
32171	10"x10"	254x254

Print pockets provide a convenient place to store operation manuals, diagrams, or other documents inside the enclosure. Thermoplastic pockets are gray and have cut away areas for viewing contents. Pockets have adhesive backing for mounting inside on enclosure door.

S Series
Standard Plug

L Series
Twist Lock Plug

Power Strips			
Power Strip Type	Power Strip Number	Weight Each Lbs	(kg)
3 ft, 6 Port	E2-PS-3F-6P-15A-S	3.0	(1.3)
6 ft, 6 Port	E2-PS-6F-6P-15A-S	4.0	(1.8)
5 ft, 10 Port	E2-PS-5F-10P-15A-S	4.0	(1.8)
6 ft, 12 Port	E2-PS-6F-12P-15A-S	4.0	(1.8)
3 ft, 6 Port	E2-PS-3F-6P-15A-L	3.0	(1.3)
6 ft, 6 Port	E2-PS-6F-6P-15A-L	4.0	(1.8)
5 ft, 10 Port	E2-PS-5F-10P-15A-L	4.0	(1.8)
6 ft, 12 Port	E2-PS-6F-12P-15A-L	4.0	(1.8)
3 ft, 6 Port	E2-PS-3F-6P-20A-L	5.0	(2.2)
6 ft, 6 Port	E2-PS-6F-6P-20A-L	7.0	(3.2)
5 ft, 10 Port	E2-PS-5F-10P-20A-L	6.0	(2.7)
6 ft, 12 Port	E2-PS-6F-12P-20A-L	7.0	(3.2)

Power strips available in 3 ft. (0.9m), 5 ft. (1.5m), 6 ft. (1.8m) or rack mount style. Available in six (6), ten (10) and twelve (12) port configuration.

Rack
Mount

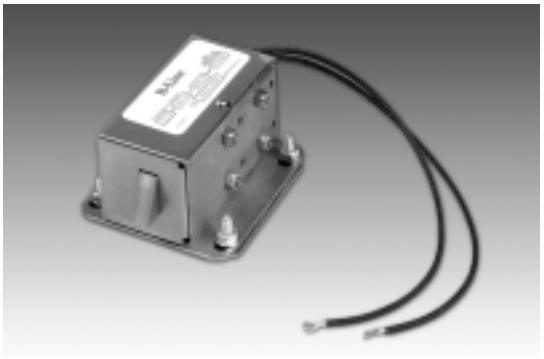
Rack Mount Power Strips			
Power Strip Type	Power Strip Number	Weight Each Lbs	(kg)
19" Rack Mount-Surged	E2-PS-RM-6P-15A-SS	2.0	(0.9)
19" Rack Mount-Non Surged	E2-PS-RM-6P-15A-NS	2.0	(0.9)

Rack mount power strips available in surge and non-surge design. Both with six (6) port configuration and 15 ft. (1.8m) cord.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Electrical Interlocks		
Catalog Number	**Description**	**Volts/Hz**
BAEK115NDH	Electrical Interlock	120/60

The BAEK115NDH is designed to be used with standard B-Line enclosures that have no handles. This interlock requires drilling several holes in the cover and the body for mounting.



Electrical Interlocks		
Catalog Number	**Description**	**Volts/Hz**
BAEK115	Electrical Interlock	120/60

The BAEK115 is designed to be used with standard B-Line door latching mechanisms. When turned on, this interlock will prevent the door handle from being turned to open the door. This interlock is designed to fit handles in the following enclosures:

(A) All two door NEMA 12 enclosures
(B) Free standing NEMA 12 enclosures
(C) All consoles
(D) All single door NEMA 12 enclosures which have 3 pt. handle mechanisms.
(E) Two door NEMA 12 enclosures for flange-mounted disconnects
(F) Modular NEMA 12 enclosures
(G) Multi-door NEMA 12 enclosures

Electrical Interlock Defeater	
Catalog Number	**Description**
BAEKDF	Defeater

This defeater is key operated and enables personnel to enter an enclosure while the enclosures internal components are energized. Turning the key disengages the circuit to the electrical interlock.

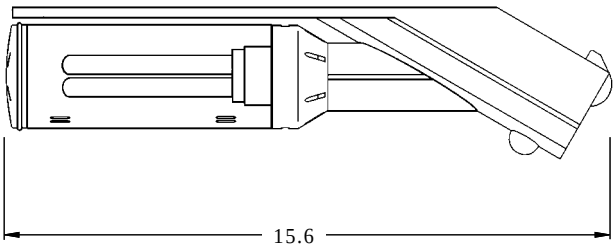
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enclosure Lights

Accessories

Enclosure Lights	
Catalog Number	**Description**
ELS16-120	Enclosure Light with on/off switch
ELMS16-120	Enclosure Light with motion sensor

Electronic energy saving enclosure lights are designed to illuminate the interior of electrical enclosures. Enclosure lights are available with an on/off switch or with a motion sensor. A Passive Infrared (PIR) motion sensor detects the motion of the enclosure door being opened and automatically turns on the light. The sensor is factory pre-set to turn the light off 5 minutes after all motion ceases. The motion sensor does not detect movement through glass or fiberglass, thus allowing installation in enclosures with glass doors. Light can be removed and used with optional holder. A variety of mounting options are available, (standard screw mounting on 35 mm DIN rail or sheet metal).

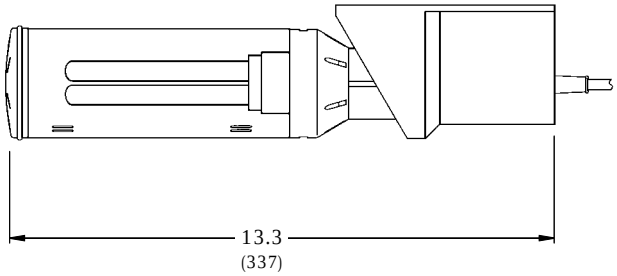


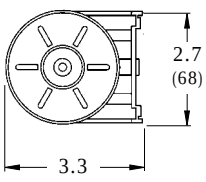
Technical Data	
Operating voltage:	110-120V/50-60 Hz
Lamp type:	Electronic energy saving lamp
Power consumption:	20 W (equal to a 100 W incandescent bulb)
Light intensity:	1000 lm
Light color (temperature):	Bright white
Lamp life:	10,000 hours
Motion sensor:	PIR = Passive Infrared
On-cycle:	Approx. 5 min.
Connection:	4 pole terminal, max. AWG14 (2.5 mm^2) for hard wiring of 1 light or 2 lights in parallel
Standard mounting (included):	Screw mounting on 35mm DIN rail or sheet metal
Optional mounting:	With self-adhesive or magnet mounting plates
Housing:	Plastic UL94V-0, impact resistant

Enclosure Hand Light	
Catalog Number	**Description**
EHL13-120	Hand light with hook and holder

Enclosure lights are also available as a hand light with hanging hook and a convenient holder/socket attachment.

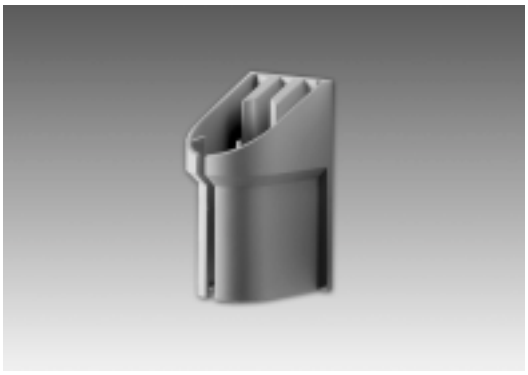
Technical Data	
Operating voltage:	110-120V/50-60 Hz
Lamp type:	Electronic energy saving lamp
Power consumption:	20 W (equal to a 100 W incandescent bulb)
Light intensity:	1000 lm
Light color (temperature):	Bright white
Lamp life:	10,000 hours
Power cord:	110-120V: US plug
Mounting:	Screws or self-adhesive mounting plate (included)
Housing:	Plastic UL94V-0, impact resistant



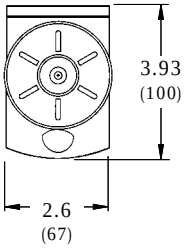


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Enclosure Light Accessories	
Catalog Number	**Description**
ELH10-120US	Self adhesive light holder w/10' power cord/110-120V
ELHAMP	Two self-adhesive mounting plates
ELHMMP	Two magnetic mounting plates



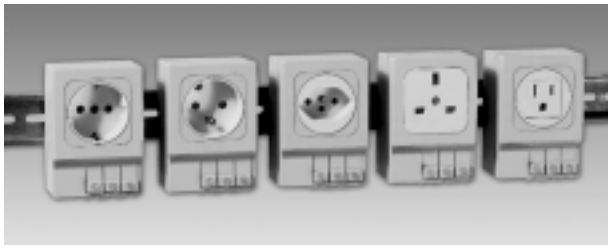
Enclosure light accessories provide a variety of mounting options for enclosure lights.



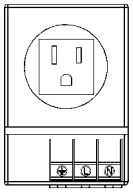
Receptacles for Enclosures	
Catalog Number	**Description**
ER1	USA/Canada
ER2	Germany
ER3	France/Benelux
ER4	Switzerland
ER5	Great Britain/Ireland

Provide a safe and convenient method for adding a receptacle/outlet inside electrical enclosures.

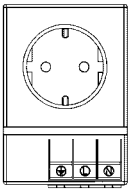
Technical Data	
Maximum ratings:	15 amps @125 VAC
Mounting:	Clip for 35 mm DIN rail, EN 50022
Connection:	3xAWG14 max. (2.5 mm)
Dimensions:	3.6x2.4x1.9" (92x62x48 mm)



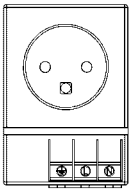
USA/Canada



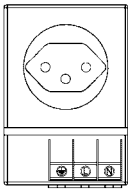
Germany



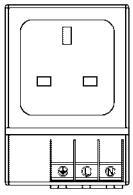
France



Switzerland



GB



CE

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

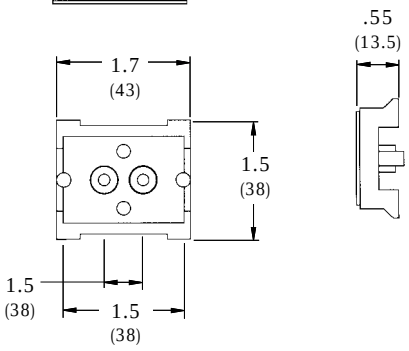
Component Mounting Device

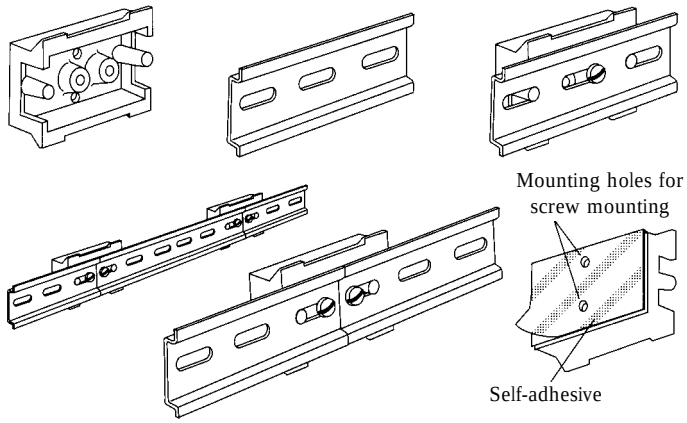
Accessories

Component Mounting Device	
Catalog Number	**Description**
ECMD1	Small mounting aid

B-Line's component mounting device is a small mounting aid especially designed to make mounting of small 35 mm DIN rail mountable components easier. It can be used whenever the installation of a 35 mm DIN rail is impractical, or when there is not enough space left in an enclosure. Because of its industrial grade self-adhesive it can be installed much easier and quicker than a conventional DIN rail, without hole drilling and screw mounting. B-Line's component mounting device can hold components up to 1.1 lbs in weight. The initial adhesive power is 40%. After 24 hours, it has its full holding power of 1.1 lbs. ECMD1 can also be screw mounted if a more secure mounting is desired or if the surface is rough. All that is necessary to install B-Line's ECMD1 is a smooth and clean surface. Sold in packages of five (5).

Technical Data	
Application:	Direct attachment of small components and 35 mm DIN rails, EN 50022
Capacity:	0.44 lb. (200 g) initially 1.1 lb (500 g) after 24 hour waiting period
Mounting Surface:	All smooth surfaces, (e.g. metals, laquered surfaces, plastics other than polyethylene, polypropylene and rubber). Mounting surface must be dry and free from dust, oil, separating agents and other contamination.
Dimensions:	1.7x1.5x0.55" (43x38x14 mm)
Hole pattern:	0.5" distance, ˘ 0.14" (12.8 mm; ˘ 3.6 mm)
Material:	polyamide (rated UL 94V-0) with non-deteriorating high-performance adhesive
Temperature range:	-22° to +131°F (-30° to +55°C)
Included:	mounting screw for perforated 35 mm DIN rail, EN 50022





Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

CLIMATE CONTROL PRODUCTS

Air Conditioners 340
Heat Exchangers 354
Fans 357
Blowers 359
Heaters 360
Thermostats 364
Humidity and Temperature Controls 364

B-Line®
SYSTEMS THAT MAKE SENSE
ELECTRICAL TELECOMMUNICATIONS MECHANICAL

Air Conditioners

Climate Control

B-Line Systems selected Kooltronic as its air conditioner supplier because the Kooltronic line offers the most extensive selection of cooling capacities, sizes, mounting configurations and power inputs available. Capacities range from 1,000 to 22,000 BTU/H in vertical panel-mounted and horizontal models. Most models use centrifugal blower-driven air systems for maximum penetration. All are engineered for full-capacity performance at ambient temperatures up to 125˚F. Additionally, custom air conditioners can be designed and manufactured to meet your unique specifications.

Closed-loop air conditioners seal enclosures, cool, dehumidify and recirculate the clean air through the electronics to provide protection from high temperatures or airborne contaminants. The TrimLine Air Conditioner line offers a narrow profile complemented by the innovative M/TAB (Mounting Template and Assembly Bracket) mounting system.

All air conditioners feature a Control (hot gas) Bypass Valve, causing "cycle-free" compressor operation for greater reliability, longer life for the compressor and control system and more stable equipment temperature. The continuously operating compressor and non-electric control system provide thermostat-free automatic temperature regulation over a broad range of operating conditions and eliminate the transients produced during compressor start-up. Since many applications require thermostatic control to prevent over cooling, a Low Temperature Control has been made standard on most models and is available on all models.

Each air conditioner is engineered for performance and built for reliability. Most units are UL and cUL listed or recognized and maintain compliance with Type 12, Type 4 or Type 4X enclosure rating as specified.

General Specifications for all Air Conditioners

Closed-Loop Cooling: The enclosure interior airflow system is isolated from the ambient airflow or waterflow system. No ambient air can invade the cool, dehumidified sensitive component compartment.

Ball-Bearing Motors: All blower motors are UL/CSA recognized and include automatic-reset thermal overload protection and double-sealed or double-shielded precision ball bearings. Special permanent lubricants perform over a broad temperature range: -20˚F(-29˚C) to 250˚F (121˚C).

Rugged Construction: Precision-engineered heavy gauge steel construction of all cabinets and blowers ensures air conditioners will stand up under tough applications.

Baked Epoxy Finish: Durable, baked-on gray epoxy finish is standard. Other finishes are available.

Power: Available in 115 or 230 VAC, 50Hz, 60 Hz or 50/60Hz switchable.

Refrigerants: CFC-Free R134a is used where compressors are available. All other units contain low ozone depleting R22. The model number reflects the refrigerant. A 4 between the A and C denotes R134a whereas a 3 denotes R22.

Permanent Filters: Multi-layer grid of sturdy, corrugated aluminum in an aluminum frame. May be reused after washing off accumulations and applying with adhesive spray. Filters are not required on water-cooled models.

Condensate Disposal: Condensate drain fitting and hose are included. Built-in Condensate Evaporators are standard on Trim-Line models and some standard models, see series sections.

Power Cord: All models are supplied with six foot type SJT three-wire power cords. Air conditioners rated at 16.0 amps or less are supplied with plugs. Air conditioners rated at more than 16.0 amps are supplied without plugs for direct wiring to power source.

Insulation: All cold components, lines and the evaporator compartment are insulated with high-performance insulation for maximum efficiency and to prevent condensation.

Gasketing: All units are fully gasketed for tight, leakproof installation and maintain compliance with Type 12, Type 4 or Type 4X enclosure rating.

Quality Assurance: Refrigeration system components are kept sealed until charged with refrigerant; all brazed joints are thoroughly leak tested; each unit is functionally tested at full rated heat load temperatures before shipment; copy of test results is included with each air conditioner.

Installation: Detailed Installation and Operator's Manual, with drawings, mounting plan and spare parts list is included with each unit.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air Conditioner Sizing and Selection

Cooling Electronic Control Cabinets

Most electronic control systems generate a substantial amount of heat during operation. This heat factor is intensified as electronic controls are made more compact, perform more functions and are placed in confined areas. Additional problems are encountered when the electronic process control system is located on-line in an industrial setting, rather than in a clean computer room. The factory environment can be hostile to the point that performance and effective life of the electronic components are materially reduced or the control system fails completely. Ambient temperature might be excessively high, as that found in a steel mill. Moisture-laden air and airborne particulate matter might be present to adversely affect the electronic components, as in the paper manufacturing industry. Air conditioners are designed to perform reliably under many of these harsh conditions and to provide the cooling and environmental protection required by sensitive electronic production control systems.

Factors Affecting Model Selection

This section is presented as a basic outline or checklist of the various application conditions to be considered when choosing a cooling unit. These are the factors which must be considered when selecting a cooling unit:

Internal Heat Load

This is the heat dissipated by the electronic controls. It is expressed in watts. One WATT equals 3.413 BTU/HR. Thus, to obtain the approximate cooling capacity required to remove a specific heat load, the following formula can be used:
Watts x 3.413 - BTU/HR.
For example, a heat load of 800 watts, require an air conditioner capable of removing at least 2,730 BTU/HR.

Resistance to Air Flow in the Enclosure

Air flow is measured in cubic feet per minute (CFM). To create an air flow of any desired velocity requires that pressure be produced by the blower. Resistance to this blower-produced air flow is created by obstructions within the cabinet in the air flow path. The resistance itself is called static pressure (SP) and is measured in inches of water column.The effect of significant restrictions in the cabinet air flow path are as follows:

- the obstructions cause static pressure.
- static pressure results in a pressure drop, or differential, from the air velocity produced by the blower.
- this reduction in cool air flow will decrease the effective capacity of the cooling unit. Allowance must be made for static pressure.

Heat Load from the Surroundings

Ambient conditions can cause a heat gain in the enclosure. The rated capacity of the cooling unit must be sufficient to handle this heat gain. When evaluating the additional heat load gained from the surroundings there are two possible conditions:

- the cabinet is insulated and well sealed
- the cabinet is not insulated.

Cabinet Insulated - Normally, well-insulated cabinets do not gain sufficient heat from the surroundings to affect the air conditioner operation. BTU/HR ratings for Kooltronic air conditioners have been established at the maximum ambient operating temperature of 125˚F. A substantial improvement in heat removal occurs when operating in ambient temperatures below 125˚F.

Cabinet Not Insulated - Obviously, this design places more of a burden on the cooling unit. Heat is conducted to the cool side. Thus, high ambient heat will be readily transmitted into the cooler enclosure. To determine the additional capacity required of an air conditioner installed in an uninsulated cabinet, the surface area of the enclosure must be calculated to obtain the total effective heat transfer area. For this calculation, use the surface area of the sides, plus the area of the top and omit the bottom area of the cabinet.
Air movement outside the uninsulated cabinet will increase the heat conducted from the ambient into the enclosure. When there is little or no air circulation outside the cabinet, the layer of air immediately adjacent to the exterior cabinet walls acts as an insulating film. Exterior air movement dissipates this insulating layer of air in proportion to the velocity of the air flow. Substantial ambient air circulation will increase the transmitted heat load imposed on the cooling unit.
If the cabinet being cooled is not air tight, high ambient relative humidity will adversely affect the cooling effectiveness of the air conditioner. When humid air infiltrates a poorly sealed enclosure, the air conditioner is required to use up valuable capacity just to condense the moisture from the internal air.
Conversely, if the cabinet is well sealed, high ambient relative humidity has very little effect on the rated capacity of the air conditioner.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air Conditioners Sizing & Selection

Climate Control

The proper selection of an air conditioner is determined by the following criteria:

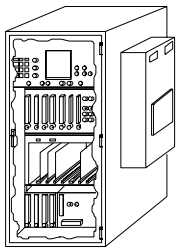
1) Required cooling capacity BTU/HR.

2) Mounting requirements (top, side or internal mounting)

3) Dimensions of air conditioner & enclosure

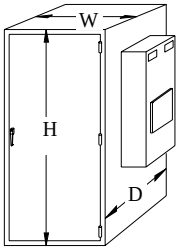
To determine air conditioner capacity required:

First



1 Watt = 3.413 BTU/HR
Determine the internal Watts of heat to be dissipated.

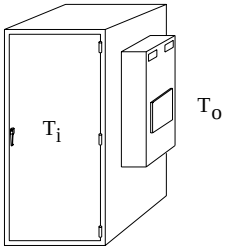
Second



1 M^2 = 10.76 ft^2
Calculate the area of the enclosure which is exposed to the ambient air:

$$\frac{2H'' (W''+ D'') + (D'' \times W'')}{144} = \text{Area } (ft^2)$$

Third



1°C Δ T = 1.8°FΔ T
Determine the temperature differential Δ T (° F) by subtracting the maximum allowable internal cabinet temperature (T_i) from the maximum ambient temperature outside of the enclosure (T_o): $T_o - T_i = \Delta T$

Fourth: (Watts x 3.413) + [1.25 x Area $ft.^2$ x Δ T (°F)] = BTU/HR.

Calculations

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air Conditioner Accessories and Options

Factory Installed Options

Cooling Effect Detector: A thermostat is mounted inside the cabinet and attached to a sensor in the warm air return. When the air temperature increases to the set point, a signal is sent to a terminal block. User-installed wiring from the terminal block to local and/or remote warning devices (light, bell, siren etc.) can be for normally open or normally closed operation. ††

Lifting Eyes: A pair of heavy gauge steel lifting eyes attached to the side panels assist in positioning units. †

Low Ambient Kit: Maintains sufficient operating pressures when ambient temperatures drop below 50˚F. Effective to a minimum ambient temperature of 0˚F. ††

Short Cycle Protector: Protects the compressor from possible damage due to harmful short cycling after a power interruption, by initiating a 5 or 6 minute OFF period before resumption of normal operation. Generally, air conditioners require a 5 minute OFF period for compressor protection after power interruptions of any type, to prevent short cycling and resultant shortened compressor life. These power interruptions include power failures, opening of access doors, and cases where the thermostat activates the compressor in less than five minutes, due to high heat loads generated during OFF times. Particularly recommended for applications that experience frequent, brief power failures or require frequent opening of interlocked cabinet doors. ††

Customer Installed Accessories

Weather Protection Kit: For outdoor installations subject to invasion by rain, snow or windblown dirt, special deflectors shield the condenser air inlet and outlet ports. Air conditioners or heat exchangers installed outdoors require special exterior paint. †

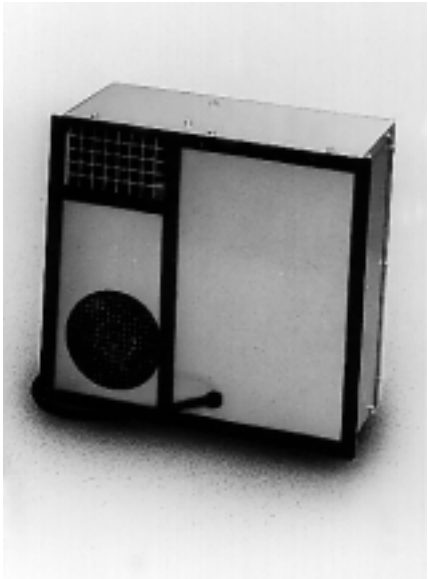
Notation Descriptions:

† = option available for both Air Conditioners and Heat Exchangers.
†† = option available for Air Conditioners only.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Mini Panel-Mounted Air Conditioners

Climate Control



Accessories & Options

- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacements
- Internal corrosion-resistant coatings
- Short Cycle Protector
- Special materials or external finishes
- Condensate Evaporator Kit
- Special motors, line cords or connectors
- Weather Protection Kit (Integral)
- 50/60 Hz Switchable

Description

Mini Air Conditioners are ideal for low-capacity applications with space limitations. Mounted on any vertical panel of equipment enclosures, they occupy minimal floor space and no cabinet space. Hostile ambient air is sealed from the enclosure air by the closed-loop design and gasketed mounting.

Micro-Mini Air Conditioners are suitable for applications that have low static pressures where fans can provide adequate airflow.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings. For extreme ambient temperatures and/or severely contaminated environments, water-cooled air conditioners are available. Custom air conditioners can also be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Environmentally preferred CFC-Free R134a refrigerant
- Powerful fans in Micro-Mini series
- Compact design
- Micro-Mini capacity from 800 to 1,400 BTU/H
- Heavy-duty steel with baked powder finish
- UL/CSA ball bearing motors
- Six foot (minimum) SJT-3 wire power cord
- Low temperature control (thermostat) and EMI/RFI suppressor are standard

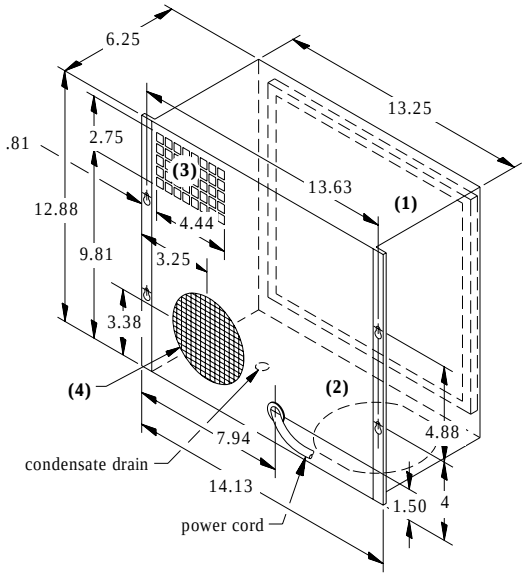
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Mini Panel-Mounted Air Conditioners

Micro Mini Series

Technical Data							
Catalog Number	**BTU/H Rating**	**Watts Dissipation**	**Ambient Temp F (max./min.)**	**Volts**	**Hz**	**Running Amps**	**Weight (lbs.)**
KA4C1.2MML	1200*	350	125/50	115/100†	60/50	4.5	40

* Also available in 800, 1000 & 1400 BTU/HR & 230 Volts/50 or 60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.
115V Micro-Mini series includes environmentally safe R134a refrigerant.



(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Trimline Air-Cooled Panel-Mounted Air Conditioners

Climate Control

M/TAB

KA4C2.0NP17

KA4C4NP33

KA4C6NP47R

Description

Innovations in technology have resulted in much denser electronics packaging and smaller available panel sizes on which to mount air conditioners. The TrimLine Series is the response to these new packaging demands with the Narrow 12" and 15" width panel mount air conditioners. In addition to reducing the width of more traditional air conditioner units, the TrimLine Series includes the Condensate Evaporator, Low Temperature Control (thermostat) and EMI/RFI Suppressor as standard features, not as options, and is available in all popular voltages and frequencies.

The TrimLine Series consists of compact models in 1,000-2,500 BTU/H capacities, mid-size models, 33" and 36" height, up to 6,000 BTU/H capacities and the full-size models at 47" height up to 12,000 BTU/H. Each series of models is designed with a minimum width to take up less exterior cabinet space on the panel or door.

Integral to the TrimLine Series is the M/TAB (Mounting Template and Assembly Bracket) system which makes installing the TrimLine Series a simple and less time-consuming task.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings. For extreme ambient temperatures and/or severely contaminated environments, the use of water-cooled air conditioners is recommended.

Custom air conditioners can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Capacities: 1,000 to 12,000 BTU/H
- Six heights available
- Compact designs with slim 12" and 15" wide mounting footprints
- Exclusive M/TAB integral mounting system for quick, easy installation
- Built-in Condensate Evaporator eliminates need for draining normal condensate
- Thermostatic Control provides energy-efficient operation and prevents over-cooling
- EMI/RFI Suppressor minimizes transient line spikes during on/off cycling
- Six foot (minimum) SJT-3 wire power cord
- Complete line of accessories

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

TrimLine Air-Cooled Panel-Mounted Air Conditioners

M/TAB Description

A highlight of the TrimLine Series is a new, revolutionary air conditioner mounting system for cabinets and enclosures. The M/TAB is standard on all TrimLine Air Conditioners. This new integral system functions as a mounting template, pre-installation hanger and final assembly bracket.

The M/TAB design simplifies the installation process by eliminating the problem of handling flange-mounted air conditioners. The solution is provided by following these installation steps:

1) Use the M/TAB to drill holes for mounting and bolting to the cabinet
2) Cut out the Supply and Return Air openings
3) Hang the air conditioner on the M/TAB
4) Secure the Air Conditioner to the M/TAB.

The M/TAB also allows for the quick removal and transportation of the air conditioner, separate from the equipment, for servicing or change to a different capacity air conditioner or to a same-size heat exchanger.

Features

- No exposed rails or mounting flanges; aesthetically pleasing while conserving cabinet space
- Ease of installation and one-piece design reduce mounting errors and allows installer to operate self-sufficiently
- Functions as a pre-installation hanger and final assembly bracket
- Installation is totally outside the cabinet; no clumsy mounting from inside the cabinet

In order to use TrimLine Air Conditioners, including M/TAB, to replace standard or other manufacturers' units on existing cabinets, a special Adapter M/TAB with appropriate bolt holes and cutouts can be supplied.

TrimLine Accessories & Options

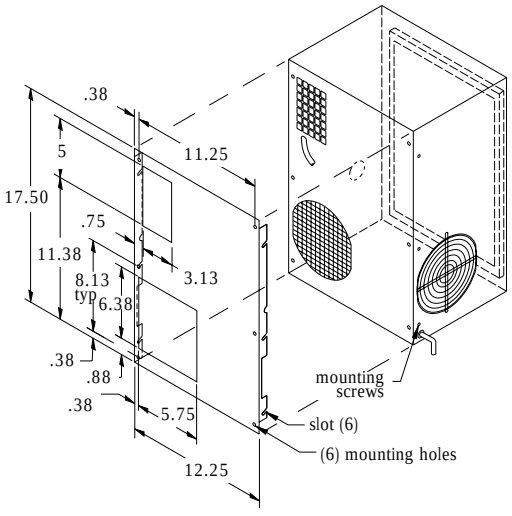
- Air Deflectors
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Internal corrosion resistant coatings
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or external finishes
- Special motors, line cords or connectors
- Weather Protection Kit
- 50/60 Hz Switchable

NP17 Series

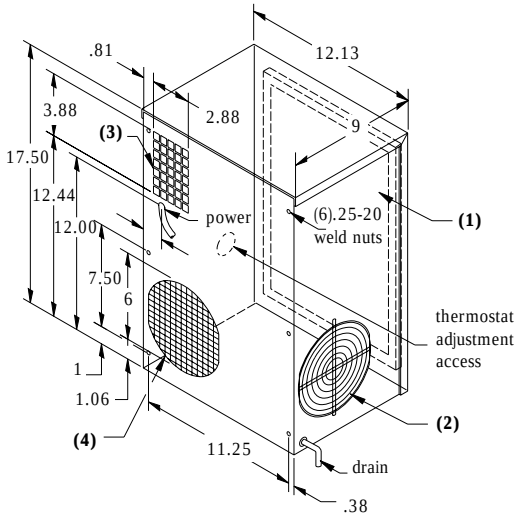
Technical Data							
Catalog Number	**BTU/H Rating**	**Watts Dissipation**	**Ambient Temp F (max./min.)**	**Volts**	**Hz**	**Running Amps**	**Weight (lbs.)**
KA4C2.0NP17	2000*	585	125/50	115/100†	60/50	6.7/6.5	49

* Also available in 1000, 1500 & 1800 BTU/HR & 230 Volts/50 or 60 Hz.
†For 230 Volt models add a "2" after the "K" in the catalog number.
115V NP17 Series includes environmentally safe R134a refrigerant.

(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics



Mounting Installation-M/TAB



Dimensions

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

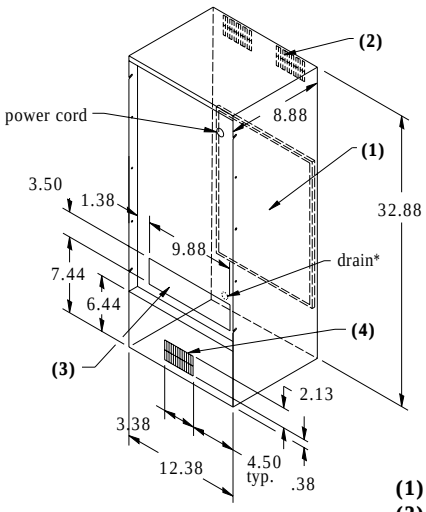
Trim-Line Air-Cooled Panel-Mounted Air Conditioners (cont.)

Climate Control

NP33 Series

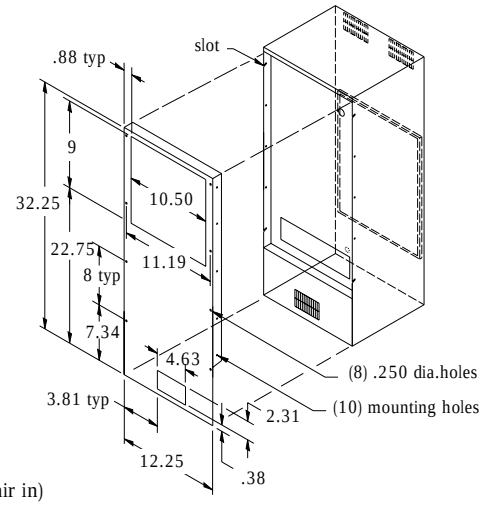
Technical Data							
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C4NP33L	4000*	1170	125/50	115/100†	60/50	12.8	95

* Also available in 2000, 3000 & 5000 BTU/HR & 230 Volts/50 or 60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.



Dimensions

(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

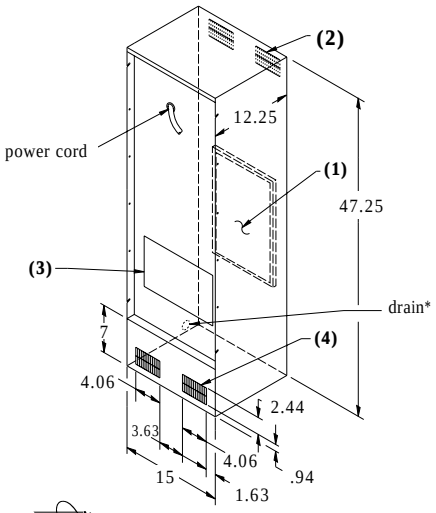


Mounting Installation- M/TAB

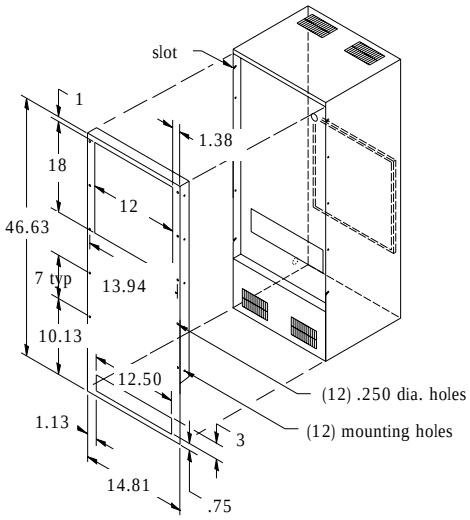
NP47 Series

Technical Data							
Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C6NP47R	6000*	1760	125/50	115/110†	60/50	14.0	150
KA3C8NP47R	8000*	2345	125/50	115/110†	60/50	19.2/18.6	150
KA3C10NP47R	10000*	2930	125/50	115/110†	60/50	19.2/18.6	150
KA3C12NP47R	12000*	3515	125/50	115/110†	60/50	19.2/18.6	150

*Also available in 4000, 5000, 7000 & 9000 BTU/HR & 230 Volts/50 or 60 Hz
† For 230 Volt models add a "2" after the "K" in the catalog number.



Dimensions



Mounting Installation- M/TAB

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Horizontal Top-Mounted Air Conditioners

Climate Control

Accessories & Options

- Air Deflectors
- Airflow Switch
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Internal corrosion resistant coatings
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or external finishes
- Special motors, line cords or connectors
- 50/60 Hz Switchable

Description

Horizontal Top-Mounted Air Conditioners provide a full range of cooling capacities where space or other limitations prevent panel or internal rack mounting.

Available in five models from 1,000 to 16,000 BTU/H they feature specially designed, heavy-duty centrifugal blowers or fans to force the cooling air throughout the enclosure.

The low profile HT Compact Series is recommended for lower to moderate demand cooling applications in smaller enclosures. For more demanding applications or for large or denser cabinets, the Compact Plus Series is preferred. This series provides 1,500 to 6,000 BTU/H performance for medium-size cabinets and a choice of two heated ambient air discharges.

The largest models in the Horizontal Top-Mounted group are available in two capacity ranges and cabinet sizes, covering applications requiring cooling of 7,000 to 16,000 BTU/H.

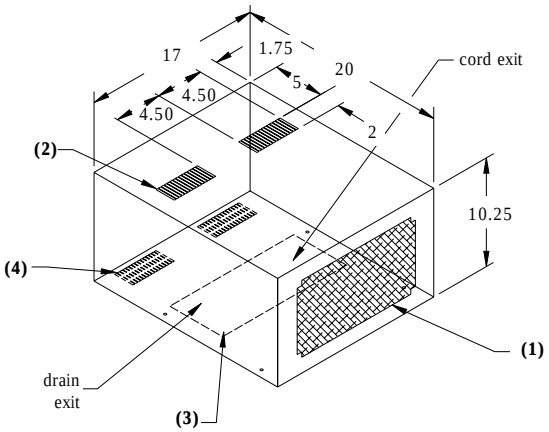
Features

- Capacities: 1,000 to 16,000 BTU/H
- Five sizes available
- Heavy-duty steel with baked powder finish
- UL/CSA ball bearing motors
- Five foot (minimum) SJT-3 wire power cord
- Built-in Condensate Evaporator
- Complete line of accessories

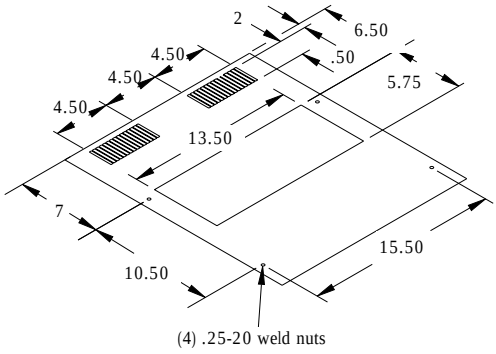
HT Series

Technical Data							
Catalog Number	**BTU/H Rating**	**Watts Dissipation**	**Ambient Temp F (max./min.)**	**Volts**	**Hz**	**Running Amps**	**Weight (lbs.)**
KA4C2HTT	2000*	590	125/50	115 †	60	6.5	90
KA4C4HTT	4000*	1170	125/50	115 †	60	8.0	90

* Also available in 1000, 2000, 3000, 5000 & 6000 BTU/HR & 230 Volts/50 or 60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.



Dimensions



Mounting Installation- M/TAB

(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air-Cooled Panel-Mounted Air Conditioners

Climate Control

Description

These series of Air Conditioners offer the greatest choice of sizes, voltages and frequencies, with fourteen cooling capacities ranging from 1,000 to 16,000 BTU/H. Available in six heights ranging from 24 to 59 inches. Extremely compact for their cooling performance, these air conditioners require about one square foot or floor space and no cabinet space. They can be installed in a variety of locations, either fixed or hinged, directly to any vertical cabinet panel or door. Gasketed mountings and the closed-loop design seal out moisture and contaminant-laden ambient air. Powerful centrifugal blowers circulate clean, cool air through the electronics.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings. For extreme ambient temperatures and/or severely contaminated environments the use of water-cooled air conditioners is recommended.

Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Environmentally preferred CFC-Free R134a refrigerant
- Capacities: 1,000 to 16,000 BTU/H
- Six heights available
- Heavy-duty steel with baked powder finish
- UL/CSA ball bearing motors
- Ten foot (minimum) SJT-3 wire power cord
- Complete line of accessories
- Low temperature control (thermostat) and EMI/RFI Suppressor are standard

Accessories & Options for all Panel-Mounted Units

- Air Deflectors
- Condenser Access Panel
- Condensate Evaporator Kit
- Cooling Effect Detector
- Deep Drain Pan Kit
- Excess Pressure Detector
- Internal corrosion resistant coatings
- Lifting Eyes
- Low Airflow Detector
- Low Ambient Kit
- Rear Condenser Air Inlet Panel
- Short Cycle Protector
- Weather Protection Kit
- Special motors, line cords or connectors
- 50/60 Hz Switchable

P28 & P36 Series

Technical Data

Catalog Number	BTU/H Rating	Watts Dissipation	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C2P28L	2000*	585	125/50	115/100†	60/50	12.0	90
KA4C4P28L	4000*	1170	125/50	115/100†	60/50	12.0	90
KA4C6P36R	6000**	1760	125/50	115/100†	60/50	17.6/19.8	90

* Also available in 3000, 5000 & 6000 BTU/HR & 230 Volts/50 or 60 Hz.
** Also available in 2000, 3000, 4000 & 5000 BTU/HR & 230 Volts/50 or 60 Hz.
† For 230 Volt models add a "2" after the "K" in the catalog number.

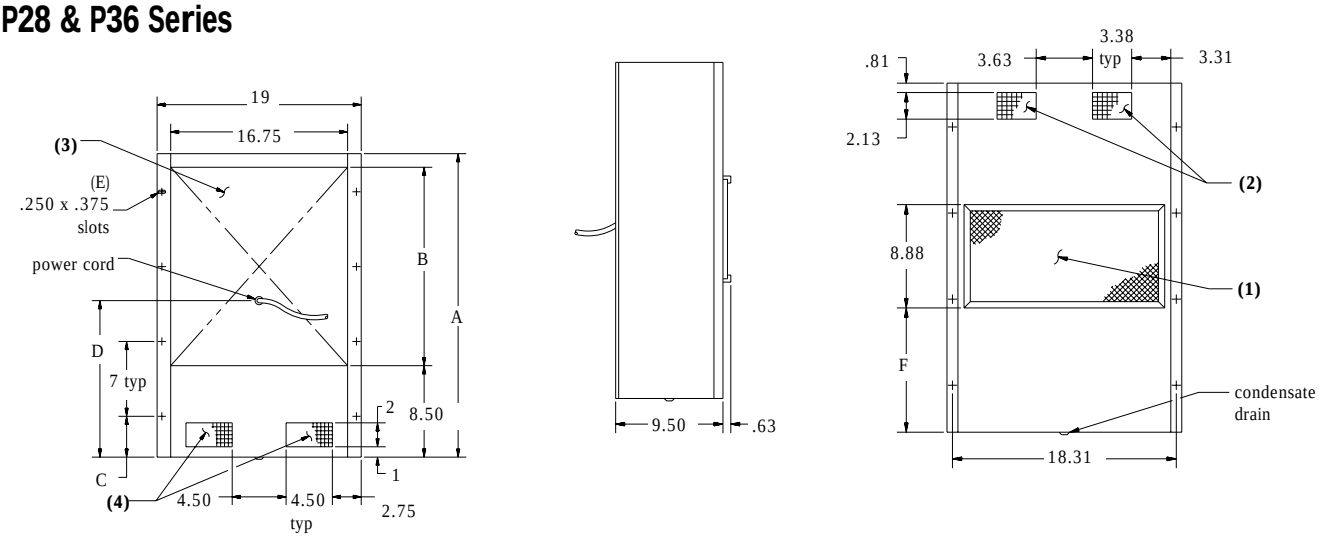
Dimensions

Catalog Number	A	B	C	D	E	F
P28 Series	28.50	18.63	3.75	15.50	8.00	9.25
P36 Series	36.75	26.86	.86	23.75	12.00	17.63

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air-Cooled Panel-Mounted Air Conditioners

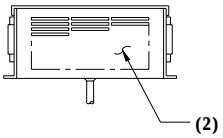
P28 & P36 Series



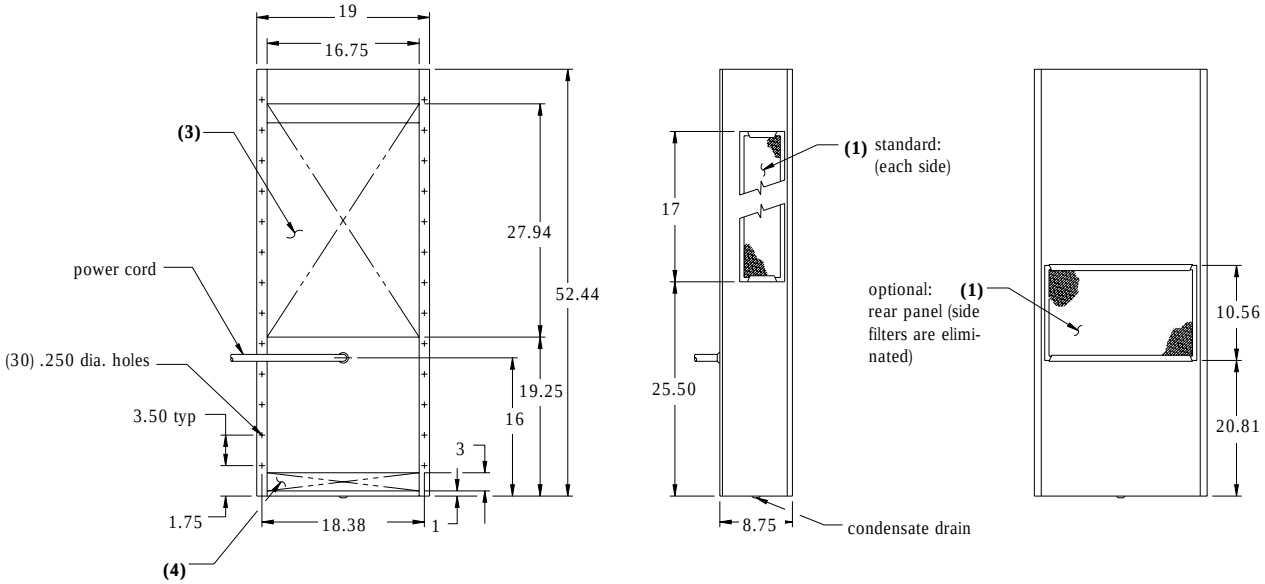
P52 Series

Technical Data							
Catalog Number	**BTU/H Rating**	**Watts Dissipation**	**Ambient Temp F (max./min.)**	**Volts**	**Hz**	**Running Amps**	**Weight (lbs.)**
KAC8P52T	8000*	2345	125/50	115†	60	15	135
KAC10P52T	10000*	2930	125/50	115†	60	16	135
KAC12P52T	12000*	3515	120/50	115†	60	17	135

*Also available in 4000, 5000, 7000, 9000 BTU/HR & 230 Volts/50 or 60 Hz.
†For 230 Volt models add a "2" after the "K" in the catalog number.



(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Series Air Conditioners

Climate Control

Description

For NEMA 4 and 4X Enclosure applications that require hosedown or are subject to outdoor storm conditions, NEMA 4X Air Conditioners protect the integrity of the NEMA 4 or 4X Enclosure rating. These exclusive panel-mounted air conditioners provide superior closed-loop cooling and also protect against the hazards specified for both indoor and outdoor NEMA 4 and 4X Enclosures. Tested and rated by universally recognized Underwriters Laboratories, the uniquely-designed stainless steel air conditioners prevent unwanted environmental penetration of NEMA 4 and 4X enclosures as they provide a clean, cool internal environment.

These units can be mounted interchangeably with same series NEMA 4X Heat Exchangers for maximum flexibility in the event that cooling requirements change.

With the design advantages of the NEMA 4X Series and the inclusion of the unique Mounting Template and Assembly Bracket (M/TAB), this series offers the finest in cooling innovation and technology.

The 32" NEMA 4X Air Conditioner group has the added feature of a center cool air discharge which can be adjusted to direct the cool air either upward or downward. The hot cabinet air can be returned to the air conditioner by either a top or bottom return port in the M/TAB, which determines the cutout location required in the enclosure.

Features

- Capacities: 1,000 to 10,000 BTU/H
- Four heights available
- Environmentally preferred CFC-Free R134a refrigerant
- Gasketed flanges on all four mounting edges for positive leakproof seal
- Exclusive integral Mounting Template and Assembly Bracket (M/TAB) for quick, easy installation
- Thermostatic Low Temperature Control provides energy efficient operation and prevents over-cooling
- EMI/RFI Suppressor minimizes transient line spikes during on/off cycling
- Separate blower-driven evaporator and condenser air systems penetrate high static pressure aplications
- All applicable components are UL/CSA recognized
- Rugged heavy-duty stainless steel exterior
- Galvanized steel internal construction
- Internal corrosion resistant coating

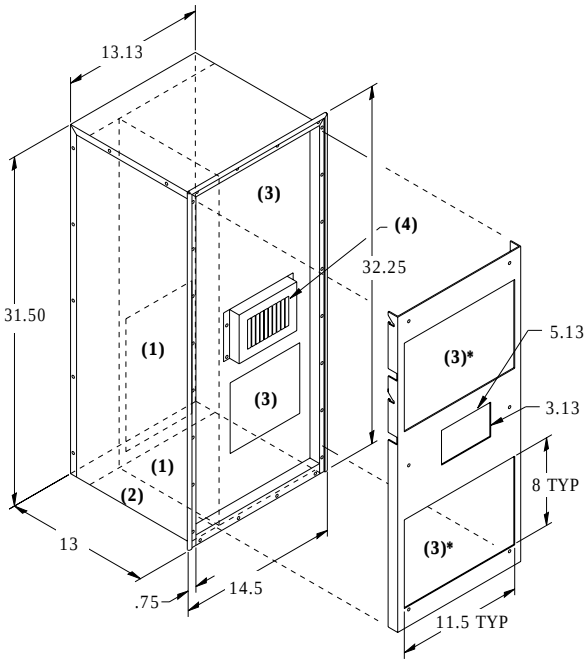
Accessories & Options for all Panel-Mounted Units

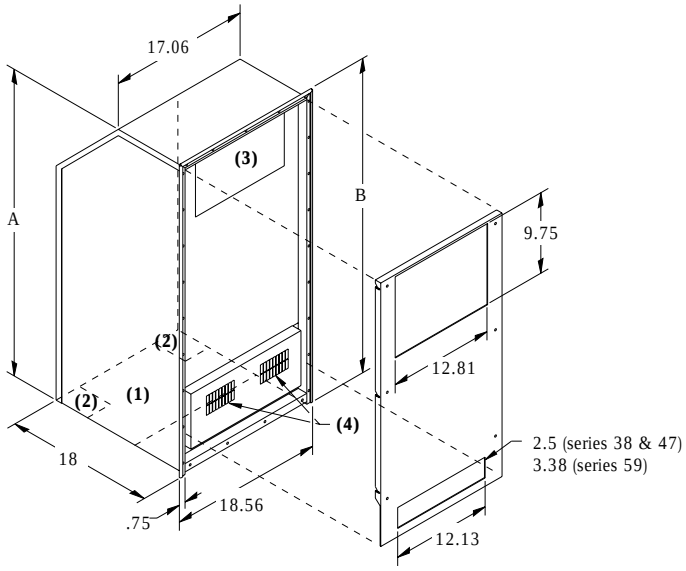
- Compressor Heater
- Filter Recoating Adhesive
- Filters for replacement
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or finishes
- 50/60 Hz Switchable

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

NEMA 4X Series Air Conditioners

Climate Control





Dimensions		
Model	**A**	**B**
NEMA X Series 38	37.00	37.75
NEMA X Series 47	46.25	47.00
NEMA X Series 59	58.31	59.06

NEMA 4X Series 32

Technical Data							
Catalog Number	**BTU/H Rating**	**Watts Dissipation**	**Ambient Temp F (max./min.)**	**Volts**	**Hz**	**Running Amps**	**Weight (lbs.)**
KNA4C1P32	1000	290	125/50	115	60	13.00	100
KNA4C2P32	2000	585	125/50	115	60	13.00	100
KNA4C3P32	3000	880	125/50	115	60	13.00	100
KNA4C4P32	3000	1170	125/50	115	60	13.00	100
K2NA4C1P32	1000	290	120/50	230	60	6.00	100
K2NA4C2P32	2000	585	120/50	230	60	6.00	100
K2NA4C3P32	3000	880	120/50	230	60	6.00	100
K2NA4C4P32	3000	1170	120/50	230	60	6.00	100
NEMA 4X Series 38, 47 & 59							
KNA4C4P*	4000	1170	131/50	115	60	20.00	180
KNA4C5P*	5000	1465	131/50	115	60	20.00	180
KNA4C6P*	6000	1760	131/50	115	60	20.00	180
KNA4C7P*	7000	2050	131/50	115	60	20.00	180
K2NA4C4P*	4000	1170	131/50	230	60	9.25	205
K2NA4C5P*	5000	1465	131/50	230	60	9.25	205
K2NA4C6P*	6000	1760	131/50	230	60	9.25	205
K2NA4C7P*	7000	2050	131/50	230	60	9.25	205
K2NA4C8P*	8000	2345	131/50	230	60	10.90	235
K2NA4C9P*	9000	2635	131/50	230	60	10.90	235
K2NA4C10P*	10000	2930	131/50	230	60	10.90	235

* Add series number: 38, 47, or 59.

External mounting, all models
(1) Ambient air inlet
(2) Warm ambient air outlets
(3) Warm air return from electronics
(4) Cool air outlet to electronics

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Heat Exchanger Sizing and Selection

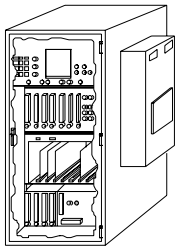
Climate Control

The proper selection of a Heat Exchanger is determined by how many WATTS can be dissipated at a given temperature differential. Since a Heat Exchanger uses ambient air for cooling, the enclosure cannot be cooled below a temperature slightly above the surrounding air temperature. Therefore, the greater the temperature differential, the higher the capacity of the Heat Exchanger.

NOTE: This selection process applies only to indoor gasketed enclosures which are uninsulated.

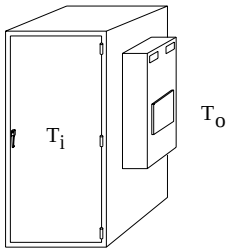
To determine required Heat Exchanger performance in WATTS/˚F:

First



Determine the internal Watts of heat to be dissipated.

Second

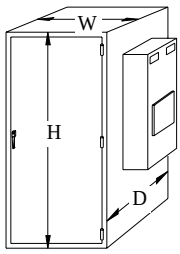


Determine the temperature differential by subtracting the maximum ambient temperature outside of the enclosure (T_o) from the maximum allowable internal cabinet temperature (T_i).

$$(T_i) - (T_o) = \Delta T \text{ ˚F}$$

Note: The maximum allowable internal cabinet temperature (T_i) should not exceed the heat tolerance specification of the most sensitive component in your system.

Third



Calculate the area of the enclosure which is exposed to the ambient air.

$$\frac{2H\text{”}\,(W\text{”} + D\text{”}) + (D\text{”} \times W\text{”})}{144} = \text{Area } (ft^2)$$

Fourth: (Watts /Δ T ˚F) - (0.22 x Area ft.²) = WATTS/˚F (Required Heat Exchanger Performance)

To calculate the total internal enclosure temperature using the Heat Exchanger selected, add the temperature rise (Δ T) inside the cabinet to the maximum ambient temperature. Divide the internal heat load (WATTS) by the heat exchanger performance (WATTS/˚F + Area Ft.² x .22) and add the maximum ambient temperature outside of the enclosure (T_o), as in the equation:

$$\text{Total Cabinet Temperature} = \frac{\text{Internal Heat Load (WATTS)}}{\text{Heat Exchanger Performance (WATTS/˚F)} + (\text{Area Ft.}^2 \times .22)} + T_o$$

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Air-To-Air Heat Exchangers

Climate Control

Description

The KXHE Series of Air-To-Air Heat Exchangers combines a state of the art, high-efficiency convoluted aluminum heat transfer element with powerful air movers. This combination uses counterflowing air streams, for maximum heat transfer efficiency, in a closed-loop system, to provide cooling within sealed cabinets. This makes the KXHE an ideal choice for applications in dirty or oil-laden environments.

These unique heat exchangers operate effectively when mounted vertically or horizontally, internally or externally, and are available in numerous sizes, capacities, and configurations.

KXHE Air-to-Air Heat Exchangers are an excellent choice for all applications requiring a closed-loop system which can tolerate cabinet temperatures slightly above ambient.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings.

Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Lightweight design
- Closed-loop near-ambient cooling
- Unique heat transfer element; easily removed for cleaning
- Heavy-duty steel enclosures with baked powder finish
- UL/CSA ball bearing motors
- Three foot (minimum) SJT-3 wire power cord

Custom heat exchangers can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Accessories & Options

- Air Deflectors
- Airflow Switch
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Lifting Eyes
- Low Airflow Detector
- Mounting Hinge
- Other voltages and frequencies
- Special materials or external finishes
- Special motors, line cords or connectors
- Weather Protection Kit

Technical Data

Catalog Number	Power Amps	Power Watts	Max Cabinet Temp. F	Volts	Approx. Weight (lbs.)	Watts °F
KXHE120A	0.8	75	158	115†	20	16
KXHE240A	2.0	180	158	115†	60	27
KXHE125A	3.2	300	158	115†	55	53

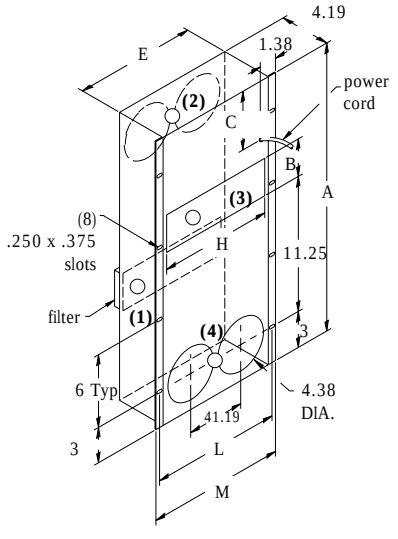
KXHE Models 120A, 240A & 125A

Dimensions

Catalog No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
KXHE120A	24	3.13	4.88	-	10.13	3	6	9.44	4.38	-	10.75	11.50	-	-	4.88	8
KXHE125A	28.50	3.44	81.19	8.25	17	3.75	7	15.50	4.06	3.63	18.38	19	2.31	.63	5.75	8
KXHE240A	41	5.50	9	6.94	13.06	2.50	6	12	2.75	3.63	14.13	14.88	2.50	.75	6.50	14

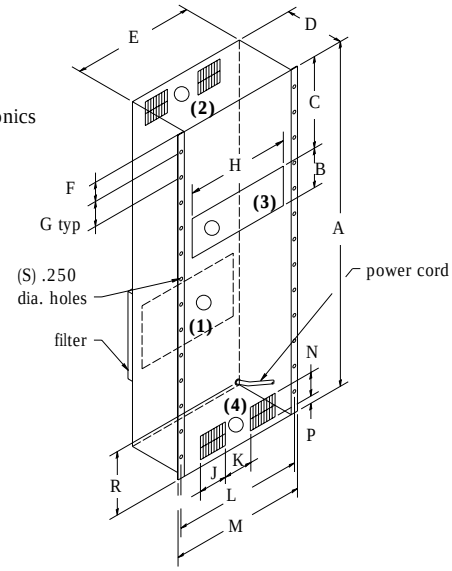
All units available in 115 V-50/60 Hz or 230V-50/60 Hz.

† For 230 Volt models add a "2" after the "K" in the catalog number.



KXHE 120A

External mounting, all models
(1) Ambient air inlet
(2) Warm ambient air outlets
(3) Warm air return from electronics
(4) Cool air outlet to electronics



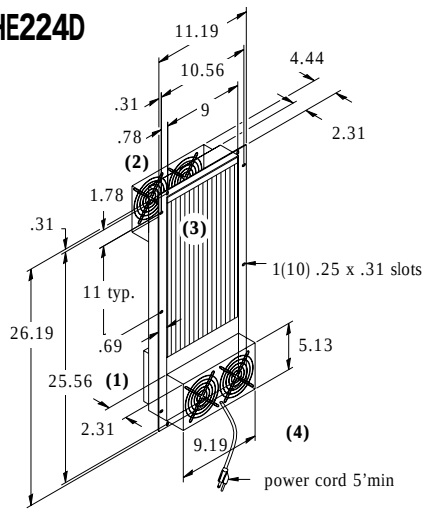
KXHE 240A, 125A

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

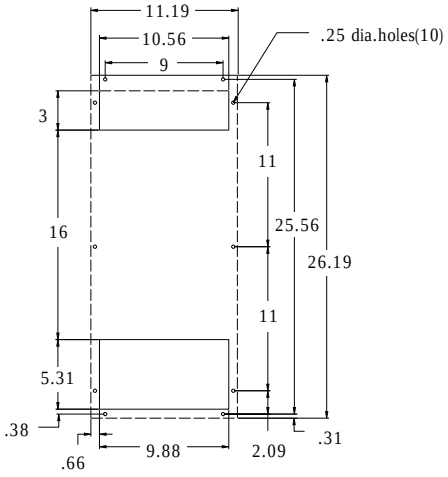
Air-to-Air Heat Exchangers (cont.)

Climate Control

KXHE224D



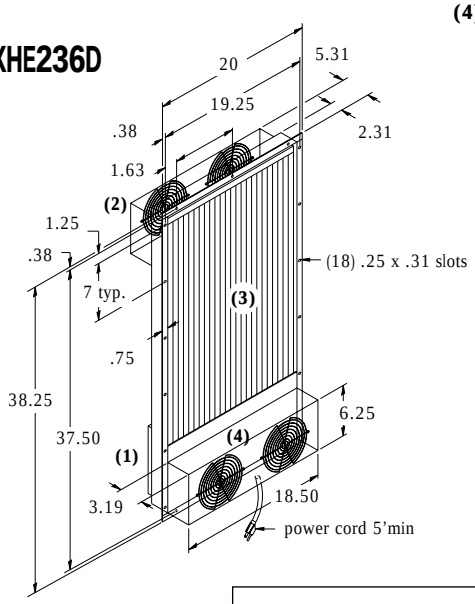
KXHE224 & KXHE236

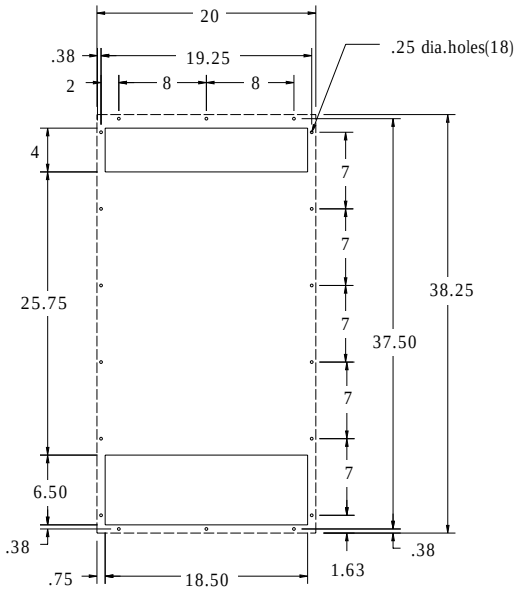


Mounting Plan

(1) Filtered condenser air inlet (ambient air in)
(2) Condenser outlet (warm ambient air out)
(3) Warm air return from electronics
(4) Cool air outlet to electronics

KXHE236D





Technical Data

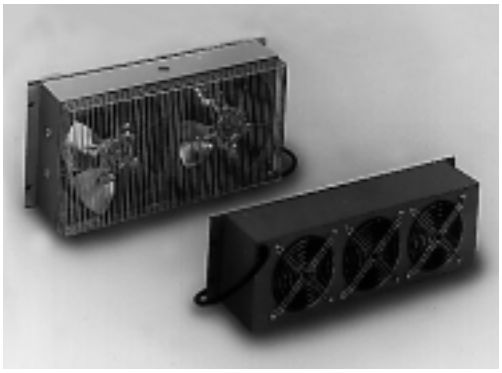
Catalog Number	Power Amps	Power Watts	Max Cabinet Temp. F	Volts	Approx. Weight (lbs.)	Watts ˚F
KXHE224S	.35	28	158	115	9	8
KXHE224D	.70	56	158	115	11	10
K2XHE224S	.17	28	158	230	9	8
K2XHE224D	.35	56	158	230	11	10
KXHE236S	.85	68	158	115	30	18
KXHE236D	1.76	142	158	115	34	22
K2XHE236S	.42	68	158	230	30	18
K2XHE236D	.88	142	158	230	34	22

S = Single fan D = Double fan

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Twin & Triple Fans

Climate Control



Description

In low static pressure applications, these fans provide high airflow in a very thin package. The exclusive design provides exceptionally quiet operation in both intake and exhaust applications. Whether mounted horizontally or vertically, these minimum-vibration fans require little internal cabinet space, leaving virtually the entire cabinet free for power supplies or other components.

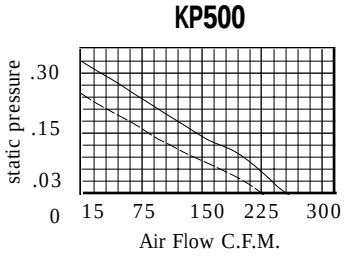
Accessories

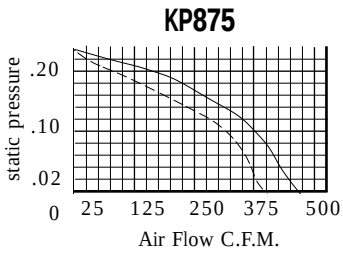
All Packaged Fans

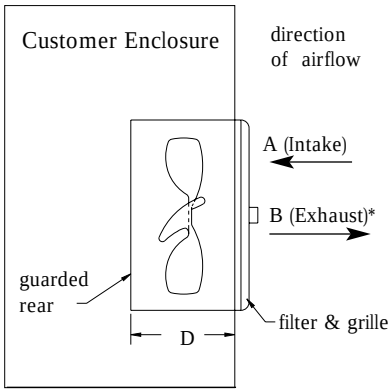
- Filter Recoating Adhesive
- Filters for replacement
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control
- Adapters
- Grille Assemblies

Features

- Exceptionally quiet
- Versatile mounting and adaptability
- Heavy-gauge steel construction
- UL/CSA ball-bearing motors
- Attractive stainless steel grilles
- All models can pressurize or exhaust
- Accessories and options







* For exhaust applications, filter may be removed and used at air intake.

Technical Data

Catalog Number	CFM@ 0-inches	RPM nominal	Amps RUN	Amps L.R.	Watts	Volts
KP500*	250	3100	0.6	0.9	55	115†
KP875*	440	1500	1.2	1.5	98	115†

Dimensions

Catalog Number	Discharge Available	Panel Height	Depth (D)
KP500	A, B	5.25	3.50
KP875	A, B	8.75	4.25

† For 230 Volt models add a "2" after the "K" in the catalog number.

* Specify type of discharge.

Additional Specifications

Enclosures: Precision-engineered heavy-gauge steel construction. KP500 and KP875: 17 inches wide. EIA-notched flanges extend 17-inch enclosure to 19-inch panel width.

Permanent Filter: Furnished with each packaged fan.

Power Cord: All 115 VAC, 50/60 Hz units include a 36-inch (minimum) type SJT three-wire cord with molded plug, internally grounded and securely locked to case by strain relief bushing. 230 VAC, 50/60 Hz units are supplied without plugs.

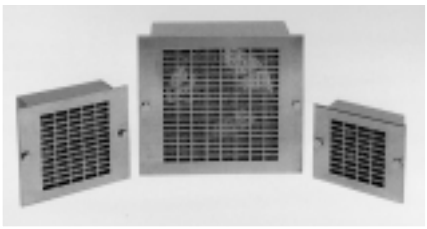
Grille/Guard: KP500 and KP875 each include a rear guard and an attractive 19-inch-wide stainless steel grille and knurled captive fasteners for easy removal. Grilles and guards comply with OSHA and UL safety standards.

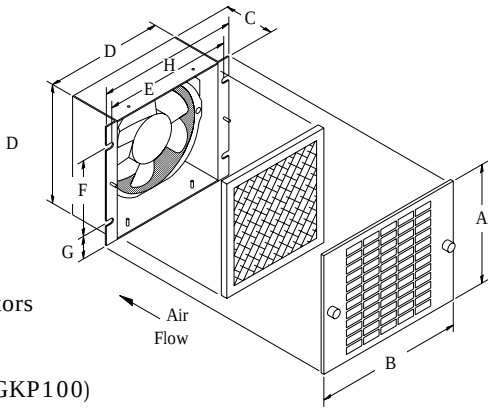
KP500A = intake
KP500B = exhaust

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Filter Box Fans

Climate Control





Description

High airflow with low noise operations makes these versatile packaged fans very popular in a wide range of applications. Reversible mounting brackets allow user to push or pull air through the enclosure. In addition, these fans can be installed internally or externally, vertically or horizontally, with or without a filter on either side. Utilizing the special motor-mount isolation system, these fans operate virtually vibration-free. Front and rear grilles can be adjusted to accommodate or omit filter. Filter slides in and out easily for cleaning and replacement.

Accessories

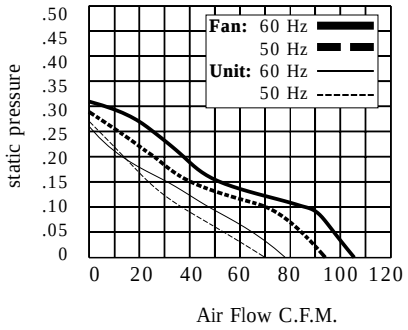
All Packaged Fans

- Filter Recoating Adhesive
- Filters for replacement
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control
- Adapters
- Grille Assemblies (GKP40, GKP60, GKP100)

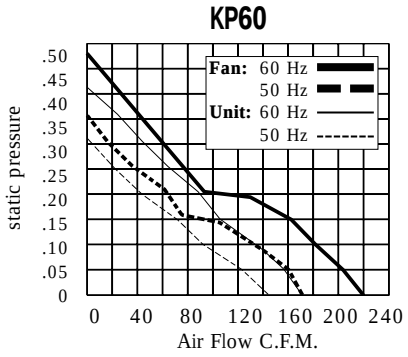
Features

- Exceptionally quiet
- Versatile mounting and adaptability
- Heavy-gauge steel construction
- UL/CSA ball-bearing motors
- Attractive stainless steel grilles
- All models can pressurize or exhaust
- Accessories and options

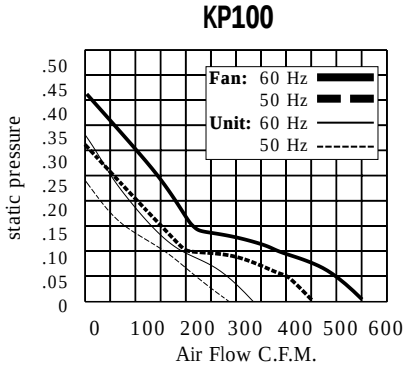
KP40



KP60



KP100



Technical Data

Catalog Number	CFM@ 0-inches	RPM nominal	Running Amps	Watts	Volts
KP40	105	3000	.18	15	115†
KP60	220	3300	.29	33	115†
K100	550	1600	.87	60	115†

Dimensions

Catalog No.	A	B	C	D	E	F	G	H
KP40	6.13	7.38	2.38	5.63	6.38	4.13	.75	7.00
KP60	7.63	8.86	3.00	7.13	7.86	4.50	1.31	8.50
KP100	11.63	13.00	4.56	11.13	11.86	6.86	2.13	12.50

† For 230 volt models add a "2" after the "K" in the catalog number.

Additional Specifications

Permanent Filter: Furnished with each packaged fan.

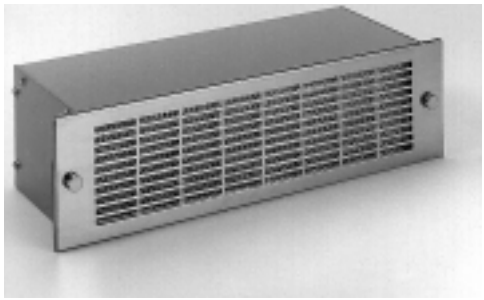
Power Cord: All 115 VAC, 50/60 Hz units include a 36-inch (minimum) type SJT three-wire cord with molded plug, internally grounded and securely locked to case by strain relief bushing. 230 VAC, 50/60 Hz units are supplied without plugs.

Grille/Guard: KP40, KP60 and KP100 each include a rear guard and an attractive stainless steel grille and knurled captive fasteners for easy removal. Grilles and guards comply with OSHA and UL safety standards.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Twin Blowers

Climate Control



Description

Packaged Twin Blowers achieve exceptional performance through use of the largest possible blower housings and wheels. Each contains a quadruplex centrifugal blower powered by a single precision ball-bearing motor.

These widely-used Packaged Twin Blowers deliver air from more that 50% of their 17" width, while conventional blowers deliver air from only about 30%. Internal neoprene isolation mounts reduce transmission of vibration and AC hum to the enclosure. Long service life and trouble-free performance are assured through the use of precision ball-bearing motors in all models and by the dual inlet quadruplex design which uses intake air to cool the motor.

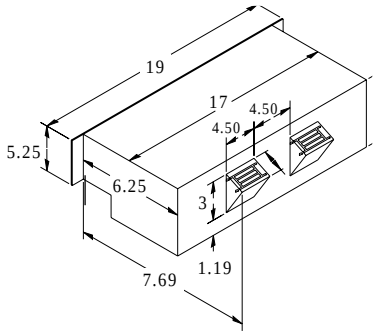
Features

- Capacities: 130 to 800 CFM
- Heavy-gauge steel enclosures with EIA-notched flanges
- Attractive 19 in. stainless steel grilles
- UL/CSA ball-bearing motors
- Dual inlet quadruplex design for maximum airflow
- Inlet air cools motor for longer life
- Permanent filters
- Exhaust guards included
- Three foot (minimum) SJT 3-wire power cord

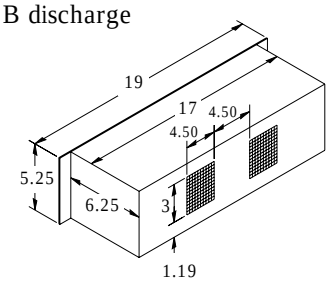
Accessories & Options

- Adapters
- Airflow Switch
- EMI Shielding
- Filter Recoating Adhesive
- Filters for replacement
- Grille Assemblies for replacement
- Low Airflow Detector
- Other voltages and frequencies
- Recessed front
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control

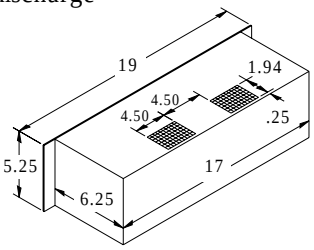
A discharge



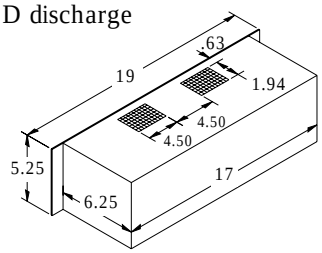
B discharge

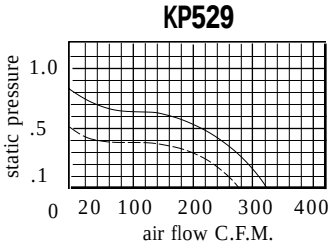


C discharge



D discharge





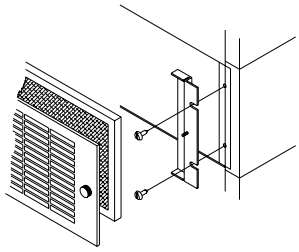
Technical Data						
Catalog Number	CFM@ 0-inches	RPM nominal	Amps RUN	Amps L.R.	Watts	Volts
KP529*	300	3000	1.4	1.9	95	115†

† For 230 Volt models add a "2" after the "K" in the catalog number.

* Specify type of discharge.

Exhaust and Filter Assembly for Blower Package

To provide a filtered air intake in applications where the enclosure is being exhausted. The mirror-finish stainless steel grille is 65% open with low resistance to air flow. By loosening the captive thumbnuts the permanent filter is instantly available for cleaning. Each kit includes a grille assembly, filter and two EIA-notched brackets.



Catalog Number	Used With	Filter Size	Grille Sizes H x L x D in.	Grille Sizes H x L x D mm
KFG525-19	KP529	16.59" x 4.81"	5.13x19.00x.75	130x483x19
KFG875-19	KP875	16.59" x 8.69"	8.75x19.00x.75	222x483x19

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Heater Calculation Sheet

Climate Control

Enclosure Heaters are used to maintain minimum operating temperatures and to help prevent failure of electronic components caused by condensation and corrosion.

Follow steps 1-5 to determine the heating requirement of an enclosure (US units - left column, metric - right column)

STEP 1: Determine Surface Area (A) exposed to open air

Enclosure Dimensions:	height =	_____ feet	_____ meters
	width =	_____ feet	_____ meters
	depth =	_____ feet	_____ meters

Assuming a free-standing enclosure A = (2 x height) + (2 x width) + (2 x depth)

A = _____ ft² or **_____ m²**

STEP 2: Choose the Heat Transmission Coefficient (k) for your enclosure

painted steel =	0.511 W/(ft² • K)	5.5 W/(m² • K)
stainless steel =	0.344 W/(ft² • K)	3.7 W/(m² • K)
aluminum =	1.115 W/(ft² • K)	12 W/(m² • K)
plastic (or insulated stainless) =	0.325 W/(ft² • K)	3.5 W/(m² • K)

k = _____ W/(ft² • K) or **_____ W/(m² • K)**

STEP 3: Determine the Temperature Differential (DT)

Desired interior temperature =	_____ °F	_____ °C
Lowest ambient temperature =	_____ °F	_____ °C
Temperature differential =	_____ °F	_____ °C = K

Calculation requires DT to be in Kelvin (K)

Divide DT (°F) by 1.8 for **DT = _____ K** or **_____ K**

STEP 4: Determine Heating Power (P_V), if any

P_V = components in the enclosure which generates heat (i.e. transformers, power supplies, etc.)

P_V = _____ W or **_____ W**

STEP 5: Calculating the Required Heating Power (P_H)

If enclosure is located inside: **P_H = (A x k x DT) - P_V = _____ W**

If enclosure is located outside: **P_H = 2 x (A x k x DT) - P_V = _____ W**

PTC Fan Heaters

Climate Control

Description

PTC fan heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperatures. Integrated thermostat stabilizes enclosure temperature, improves performance and extends the life of critical components. EFHT series fan heaters are designed for larger applications with high power requirements.

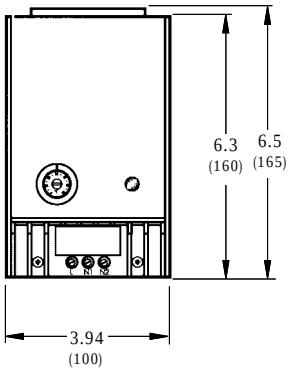
Features

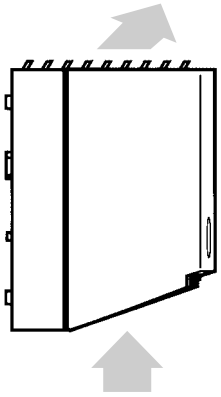
- Compact fan heater in PTC technology
- PTC (Positive Temperature Coefficient) heating element
- Maintains minimum operating temperatures in enclosures
- Helps prevent failure of electronic components caused by condensation and corrosion
- Heating power adjusts to ambient temperature
- Integrated adjustable thermostat and control light
- 35 mm DIN rail mountable
- UL, VDE, and CE

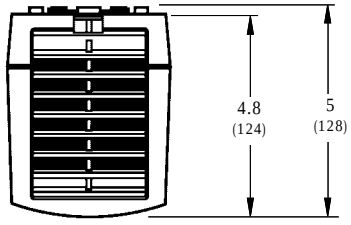
Catalog Number	Voltage	Power	Max. current (inrush)	Axial Fan (ball bearing)	Thermostat range	Weight lbs.	Weight kg
EFHT550F-120	110-120 VAC	550 W (60 Hz)	11 A	20 cfm (35 m³/h)	32-140°F	2	0.9
EFHT650F-120	110-120 VAC	650 W (60 Hz)	12 A	26 cfm (45 m³/h)	32-140°F	2.4	1.1

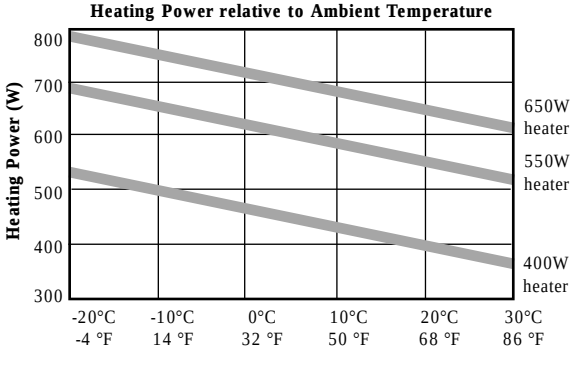
Technical Data	
Heating element:	PTC-Semiconductor/resistor. Self regulating with changing ambient temperature (see graph below)
Overheat protection:	Temperature limitor in case of fan failure
Function control light:	LED
Housing:	Plastic, rated UL94V-0
Dimensions (HxWxD):	6.5x3.94x5" (165x100x128 mm)
Connection:	2 pole terminal, AWG 14, max. (2.5 mm²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Protection class:	II (double insulated)
Protection type:	IP20

For spacing, add 2" clearance to heat sensitive parts.









PTC Heaters

Climate Control

Description

PTC heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperatures. EH15 series feature PTC technology and are designed for smaller enclosure applications with lower wattage requirements.

Features

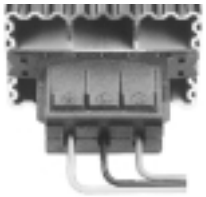
- Compact heater in PTC technology
- PTC (Positive Temperature Coefficient) heating element
- Maintains minimum operating temperatures in enclosures
- Helps to prevent failure of electronic components caused by condensation and corrosion
- Push connectors for quick and easy wiring
- 35 mm DIN rail mountable
- UL, VDE, and CE

Pending

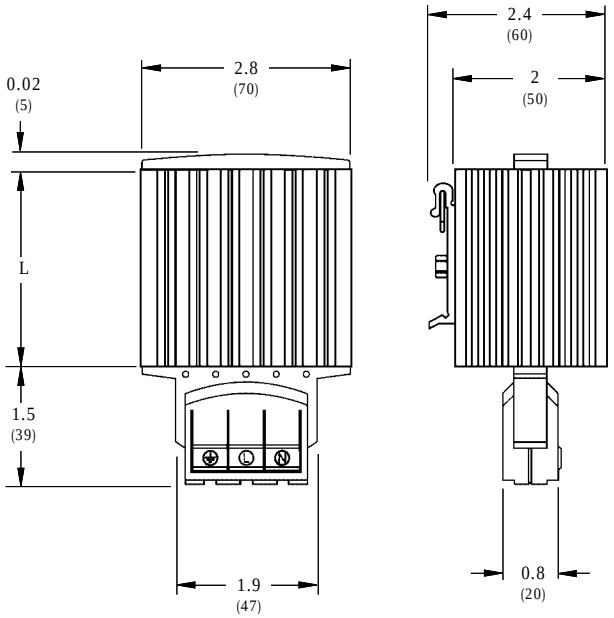
Catalog Number	Power[1]	Max. Current[2]	L		Weight	
			in.	mm	lbs.	kg
EH15	15W	0.5A	2.6	65	0.66	0.3
EH30	30W	1.0A	2.6	65	0.66	0.3
EH45	45W	1.0A	2.6	65	0.66	0.3
EH60	60W	1.5A	5.5	140	1.10	0.5
EH75	75W	1.8A	5.5	140	1.10	0.5
EH100	100W	2.4A	5.5	140	1.10	0.5
EH150	150W	4.5A	8.7	220	1.76	0.8

[1] At 68°F (20°C) ambient temperature. [2] Inrush current

Technical Data	
Operating voltage:	AC/DC 110-250V
Heating element:	PTC resistor, self regulating
Heating body:	Anodized extruded aluminum
Protection class:	I, test voltage 1600V
Protection type:	IP20
Connection:	Push type terminals for stranded and rigid
	wire 3 x AWG 20-AWG 16 (0.5-2.5 mm²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Agency approvals:	UL, VDE

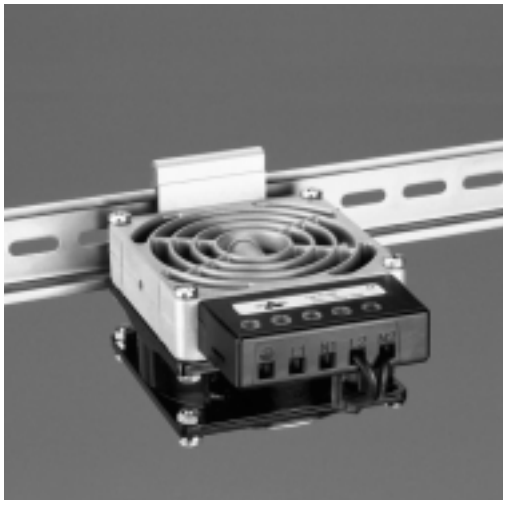


Easy wiring by using push-type terminals



Fan Heaters

Climate Control



Shown: EFH100

Description

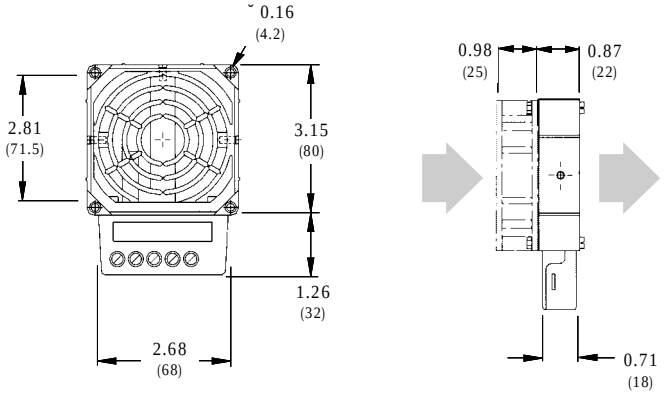
Fan heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperature. EFH100-120 series feature a wide wattage range for maximum versatility in a small compact design.

Features

- Small compact size fan heater
- Maintains minimum operating temperatures in enclosures
- Helps prevent failure of electronic components caused by condensation and corrosion
- Built-in overheat protection
- 35 mm DIN rail mountable

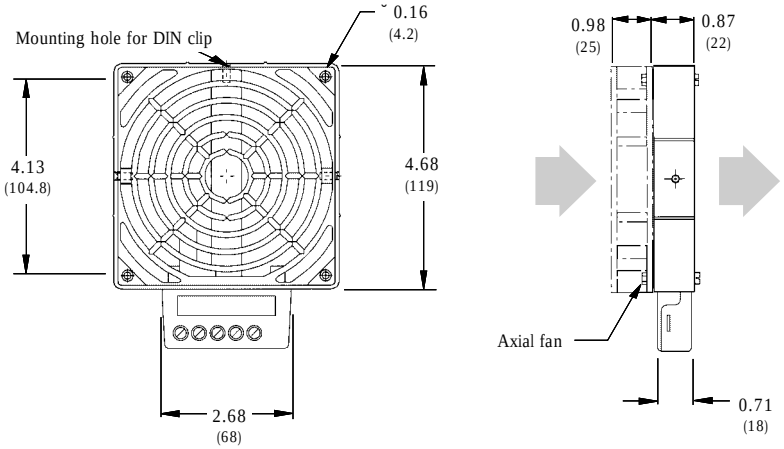
Catalog Number	Power	Voltage	Air Flow cfm min.	Air Flow m³/h min.
EFH100-120	100W	110-120 VAC	20	35
EFH150-120	150W	110-120 VAC	20	35
EFH200-120	200W	110-120 VAC	63	108
EFH300-120	300W	110-120 VAC	63	108
EFH400-120	400W	110-120 VAC	63	108

100W/150W Heater



Technical Data	
Heating element:	Resistance type heater
Heat sink:	Die-cast aluminum, glass bead finish
Overheat protection:	Built-in temperature limitor
Air exit temperature:	Approx. 113°F (45°C) 2" (50 mm) above heater
Wiring compartment:	Plastic UL94V-0
Wiring of axial fan:	2 pole terminal (L2/N2), AWG14 max. (2.5 mm²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Protection type/class:	IP44/I (grounded)
Weight:	100/150W: 0.6 lbs. (240 kg) without fan 200/300/400W: 1.1 lbs. (490 kg) without fan
Agency approvals:	UL

200W/300W/400W Heater



Small Thermostats

Climate Control

Description

Small thermostats are easy to install and designed to regulate the air temperature inside enclosures. Thermostats increase operating life of fans, heaters and heat exchangers. B-Line's ESTNC-F (normally closed) thermostat opens at temperature rise and is used to control heaters and low temperature alarms. B-Line's ESTNO-F (normally open) thermostat closes at temperature rise and is used to control cooling fans, air conditioners and high temperature alarms.

Features

- Compact design
- Wide adjustment range
- Color coded temperature dials
- 35 mm DIN rail mountable
- Tolerance ±7.2°F (4K)
- 2-pole terminal for AWG 14 max.
- Protection type: IP30
- Plastic housing UL94V-0

Catalog Number	Contact Type	Switching Capacity @ 120 VAC	Switching Capacity @ 250 VAC	Housing Scale	Dimensions in.	Dimensions mm
ESTNC-F	Normally closed	15A resistive/1A inductive	10A resistive/1A inductive	30-140°F	2.4x1.3x1.4	60x33x35
ESTNO-F	Normally opened	15A resistive/1A inductive	10A resistive/1A inductive	30-140°F	2.4x1.3x1.4	60x33x35

Electronic Humidity and Temperature Control

Description

Electronic humidity and temperature control regulates the air temperature and relative humidity inside enclosures. Depending on which contact combination is chosen, the control turns on or off a connected device if either the temperature is below, or the humidity is above the set point.

Features

- Controls both temperature and humidity
- High switching capacity
- Optical function display
- 35 mm DIN rail mountable
- Tolerance ±3.6°F (2k)
- 5-pole terminal for AWG 14 max.
- Protection type: IP20
- Plastic housing UL94V-0

Catalog Number	Temperature Range	Humidity Range	Voltage	Hz	Switching Capacity @ 120 VAC	Switching Capacity @ 240 VAC	Dimensions in.	Dimensions mm
EHTC120-F	32-140°F adjustable	50-90% RH adjustable	120 VAC	50/60	8A Resistive 7 FLA/45 LRA	8A Resistive 5 FLA/30 LRA	2.6x2.0x1.5	67x50x39

Contacts	close at...	open at...	use for
3 and 5	humidity rise or temperature drop	humidity drop or temperature rise	heaters de-humidifiers low-temp alarms
4 and 5	humidity drop or temperature rise	humidity rise or temperature drop	cooling humidifiers high-temp alarms

ENGINEERING DATA

Engineering 366

Industry Standards

Enclosure Ratings

Third party certifiers, such as UL & CSA, have adopted most of the enclosure ratings from the ANSI /NEMA 250 standard for electrical enclosures. Such ratings identify the environmental capabilities of enclosures based on specified performance criteria. Thus, the type of enclosure can be selected as deemed appropriate for the application.

These enclosures are intended to house electrical equipment rated at no more than 1000 volts for use in nonhazardous locations. Such enclosures do not protect devices against conditions such as condensation, icing, corrosion or contamination which may occur within the enclosure or may enter via the conduit or unsealed openings, and are not intended to prevent entry or operation by unauthorized personnel.

Sources of Standards

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
2101 L Street Northwest
Washington, D.C. 20037
- NEMA Standards Publication No. 250, Enclosures for Electrical Equipment (1000 Volts Maximum)
- NEMA Standards Publication No. ICS6, Enclosures for Industrial Controls and Systems

ELECTRICAL/ELECTRONIC MANUFACTURERS ASSOCIATION OF CANADA
10 Carlson Court, Suite 500
Rexdale (Toronto), Ontario
Canada, M9W 6L2

UNDERWRITERS LABORATORIES INC.
333 Pfingsten Road
Northbrook, IL 60062
- UL 50, Enclosures for Electrical Equipment
- UL 508, Industrial Control Equipment
- UL 870, Wireway, Auxiliary Gutters and Associated Fittings
- UL 414, Meter Sockets

JOINT INDUSTRY COUNCIL
7901 Westpark Drive
McLean, VA 22101
- EMP-1, Electrical Standards for Mass Production Equipment
- EGP-1, Electrical Standards for General Purpose Machine Tools

CANADIAN STANDARDS ASSOCIATION
178 Rexdale Boulevard
Rexdale (Toronto), Ontario
Canada, M9W IR3
- CSA Standard C22.2 No. 94-M91, Industrial Control Equipment for use in Ordinary (Nonhazardous) locations.
- CSA Standard C22.2 No. 40 M1989, Cutout, Junction & Pull Boxes
- CSA Standard C22.2 No. 26 1952, Wireways, Auxillary Gutters & Associated Fittings
- CSA Standard C22.1, 1990, Canadian Electrical Code

NATIONAL FIRE PROTECTION ASSOCIATION
Batterymarch Park
Quincy, MA 02269
- NFPA 70 National Electrical Code (1999)

Industry Standards

An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.

A brief description of the more common types of enclosures used by the electrical industry relating to their environmental capabilities follows:

NEMA		UL (UL 50)		CSA 22.2 No. 94-M91	
Type 1	Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	Type 1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	Type 1	General purpose enclosure. Protects against accidental contact with live parts.
Type 3	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	Type 3	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	Type 3	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust; undamaged by the external formation of ice on the enclosure.
Type 3R	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet and damage from external ice formation.	Type 3R	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	Type 3R	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, and snow, undamaged by the external formation of ice on the enclosure.
Type 4	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4X	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4X	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure; resists corrosion.
Type 12	Enclosures are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping noncorrosive liquids.	Type 12/ 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping noncorrosive liquids.	Type 12	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; dripping and light splashing of noncorrosive liquids; not provided with knockouts.
Type 12K	Enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping non-corrosive liquids.			Type 12K	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; dripping and light splashing of noncorrosive liquids; and provided with knockouts.
Type 13	Enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil and noncorrosive coolant.	Type 13	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil and noncorrosive coolant.	Type 13	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; seepage and spraying of noncorrosive liquids including oils and coolants.

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Comparison of Specific Applications of Enclosures for Indoor Nonhazardous Locations

Provides a degree of protection against the following environmental conditions	Enclosure Type					
	1*	4	4X	12	12K	13
Incidental contact with the enclosed equipment	X	X	X	X	X	X
Falling Dirt	X	X	X	X	X	X
Falling liquids and light splashing		X	X	X	X	X
Circulating dust, lint, fibers and flyings**		X	X	X	X	X
Settling airborne dust, lint, fibers and flyings**		X	X	X	X	X
Hosedown and splashing water		X	X			
Oil and coolant seepage				X	X	X
Oil or coolant spraying and splashing						X
Corrosive agents			X			
Occasional temporary submersion						
Occasional prolonged submersion						

* These enclosures may be ventilated.

** These fibers and flying are nonhazardous materials and are not considered the Class III type ignitable fibers or combustible flyings. For Class III type ignitable fibers or combustible flyings see the National Electrical Code, Article 500.

Comparison of Specific Applications of Enclosures for Outdoor Nonhazardous Locations

Provides a degree of protection against the following environmental conditions:	Enclosure Type			
	3	3R***	4	4X
Incidental contact with the enclosed equipment	X	X	X	X
Rain, snow and sleet*	X	X	X	X
Sleet**				
Windblown dust	X		X	X
Hosedown			X	X
Corrosive agents				X
Occasional temporary submersion				
Occasional prolonged submersion				

* External operating mechanisms are not required to be operable when the enclosure is ice covered.

** External operating mechanisms are operable when the enclosure is ice covered.

*** These enclosures may be ventilated.

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Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations*

IEC Publication 529 *Classification of Degrees of Protection Provided by Enclosures* provides a system for specifying the enclosures of electrical equipment on the basis of degree of protection provided by the enclosure. IEC 529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus or vermin. NEMA Standards Publication 250 does test for environmental conditions such as corrosion, rust, icing, oil and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.

The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

Table A-1 provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason Table A-1 cannot be used to convert from IEC Classifications to NEMA Types.

Table A-1 Conversion of NEMA Type Numbers to IEC Classification Designations
(Cannot be used to convert IEC Classification Designations to NEMA Type Numbers)

NEMA ENCLOSURE TYPE NUMBER	IEC ENCLOSURE CLASSIFICATION DESIGNATION
1	IP10
2	IP11
3	IP54
3R	IP14
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

Note: This comparison is based on tests specified in IEC Publication 529.

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Components Suitable for Closing Openings in Enclosures

Enclosure Type	Openings shall be closed by equipment rated for enclosure types
3	3, 3S, 4, 4X
3R	3, 3R, 3S, 4, 4X
4	4, 4X
4X	4X
12,12K	12, 12K, 13, 4, 4X
13	13

Materials and Finishes

Caution: Environmental capabilities of enclosures, including materials and finishes, are limited to the degree of protection provided by the "type" rating of the selected enclosure. See industry standards for more information.

METALS

Characteristics of Various Metals

Hot Rolled Pickled and Oiled Steel Sheets (ASTM A569)
A low-carbon, hot-finished steel that has had the normal mill oxide removed by means of an acid bath. After de-scaling, an oil film is applied to protect the surface. Removal of the mill oxide improves the surface appearance, uniformity, and finishing quality.

Cold Rolled Steel (ASTM A366)
A low-carbon, cold-finished steel having commercial quality, close thickness tolerance and better surface than hot rolled pickled and oiled.

Galvanized Steel (ASTM A653)
Steel with a zinc coating applied by the hot dip galvanizing process. The zinc coating provides a degree of corrosion protection, and also provides some protection at the sheared edges.

Stainless Steel Type 302/304 (ASTM-A240)
An excellent corrosion resistant material with excellent mechanical properties. It has many of the same chemical resistance attributes of fiberglass materials.

5052-H32 Aluminum (ASTM B209)
An excellent alloy for enclosure manufacturing. It exhibits good resistance to corrosion in a marine atmosphere.

Anodic End

More Anodic

- Magnesium
- Magnesium Alloys
- Zinc
- Beryllium
- Aluminum - Zinc Alloys (7000 series)
- Aluminum - Magnesium Alloys (5000 series)
- Aluminum (1000 series)
- Aluminum - Magnesium Alloys (3000 series)
- Aluminum - Magnesium - Silicon Alloys (6000 series)
- Cadmium
- Aluminum - Copper Alloys (2000 series)
- Cast Iron, Wrought Iron, Mild Steel
- Austenitic Nickel Cast Iron
- Type 410 Stainless Steel (active)
- Type 316 Stainless Steel (active)
- Type 304 Stainless Steel (active)
- Naval Brass, Yellow Brass, Red Brass
- Tin
- Copper
- Lead-Tin Solders
- Admiralty Brass, Aluminum Brass
- Manganese Bronze
- Silicon Bronze
- Tin Bronze
- Type 410 Stainless Steel (passive)
- Nickel - Silver
- Copper Nickel Alloys
- Lead
- Nickel - Aluminum Bronze
- Silver Solder
- Nickel 200
- Silver
- Type 316 Stainless Steel (passive)
- Type 304 Stainless Steel (passive)
- Incoloy 825
- Hastelloy B
- Titanium
- Hastelloy C
- Platinum
- Graphite

Cathodic End

Gasket Material

Poron 4701-40
High density polyurethane with excellent compression set, resistance and good oil resistance.

Finishes

Polyurethane - Liquid: Very good corrosion resistance for outdoor use.

Polyester Urethane - Powder: A durable and smooth coating with good adhesion and corrosion resistance suitable for outdoor use. Provides good impact protection against heat or chemicals.

Electrocoat (E-Coat) - Liquid: A rugged cathodic acrylic coating that results in a unique combination of durability and corrosion resistance.

Epoxy - Powder: A tough, durable finish which is corrosion resistant and resistant to many solvent oils. Gloss may be affected by prolonged exposure to UV light.

Corrosion Resistance

B-Line Manufactures enclosures from a wide range of materials, offering varying degrees of resistance against chemical corrosion. All materials are affected by corrosion in some manner. Depending on the physical properties of the material and the environment to which it is exposed, chemical or electromechanical corrosion may occur. In order to select the appropriate material for your application, refer to the corrosion resistance table on the following pages.

Atmospheric Corrosion

Atmospheric corrosion occurs when a material is exposed to airborne liquids, solids, or gases. Some sources of atmospheric corrosion are moisture, salt, dirt, and sulfuric acid. This form of corrosion is typically worse outdoors, and especially near marine environments.

To combat the effects of atmospheric corrosion, the National Electrical Manufacturers Association (NEMA) has developed the NEMA 4X rating. An enclosure carrying the NEMA 4X rating meets certain minimum conditions of corrosion resistance. Specifically, the materials from which NEMA 4X rated enclosures are formed must withstand two hundred hours of salt spray with no more evidence of corrosive pitting than is exhibited by a concurrently tested sample of Type 304 stainless steel.

B-Line offers metallic NEMA 4X rated enclosures in aluminum, and stainless steel Type 304 and Type 316L as well as a full line of NEMA 4X rated non-metallic enclosures.

Chemical Corrosion

Chemical corrosion takes place when a material comes into direct contact with a corrosive agent. The severity of chemical corrosion is affected by chemical concentration level, frequency of washing, and operating temperature. Refer to the chart below for a general overview of how different enclosures might perform when in contact with chemicals of varying pH. The chart is provided as a quick guide to how different materials might perform in your environment. We recommend consulting the detailed corrosion resistance table provided on the following pages to be sure that the appropriate material is selected.

Storage Corrosion

Wet storage stain (White rust) is caused by the entrapment of moisture between the surfaces of closely packed and poorly ventilated material for an extended period. Wet storage stain is usually superficial, having little affect on the properties of the material.

Proper handling and storage will help to assure stain free material. If a product arrives wet, it should be unpacked and allowed to dry before storage. Dry material should be stored in a well-ventilated, low-moisture environment to avoid the formation of condensation. Outdoor storage is undesirable and should be avoided whenever possible.

Galvanic Corrosion

Galvanic corrosion occurs when two or more dissimilar metals are in contact in the presence of seawater or another electrolyte. In this situation, an electrolytic cell is created and the metals become either an anode or a cathode. The anodic material will corrode and the cathodic material will be protected.

Whether a material is anodic depends on the relative positions of the interacting materials in the Galvanic Series Table (shown at left). For example: If zinc and steel are in contact, the zinc acts as the anode and will corrode while protecting the steel. If steel and copper are in contact, the steel is now the anode and will corrode while protecting the copper.

The rate at which galvanic corrosion occurs depends on several factors:

1. The amount and concentration of electrolyte present. An indoor, dry environment will support little or no galvanic corrosion relative to a wet atmosphere.
2. The relative amount of the materials. A small amount of anodic material in contact with a large amount of cathodic material will result in accelerated corrosion of the anodic material. Inversely, a large amount of anodic material in contact with a small amount of cathodic material will decrease the rate of corrosion.
3. The relative position of the materials in the Galvanic Series. The further apart the interacting materials are in the Galvanic Series, the greater the potential for corrosion of the anodic material.

	Solvent	Caustic	Acid
Preferred	Stainless Steel Type 316 Stainless Steel Type 304 Non-Metallic Aluminum Steel, Epoxy Powder Coated	Non-Metallic Stainless Steel Type 316 Stainless Steel Type 304	Non-Metallic Stainless Steel Type 316 Stainless Steel Type 304
Satisfactory	Non-Metallic	Non-Metallic	Non-Metallic Steel, Epoxy Powder Coated
Limited		Steel, Epoxy Powder Coated Aluminum	Aluminum

Note: The corrosion data given in the table on the following pages is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material. B-Line strongly suggests that field service tests or simulated laboratory tests using actual environmental conditions be conducted in order to determine the proper materials and finishes to be selected. B-Line offers no guarantee or warranty as to the suitability of a particular material for use in any specific environment which is beyond our control.

Corrosion Resistance Table

Chemical	Unpainted Metal Enclosures									Painted Steel Enclosures					
	Aluminum			Stainless Steel Type 304			Stainless Steel Type 316			Acrylic Electrocoat, ANSI 61 Gray			Polyester Powdercoat, ANSI 61 Gray		
	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Acetic Acid, 50%	R	L	U	R	R	L	R	R	R	U	U	U	R	R	U
Acetic Acid, 10%	R	L	U	R	R	R	R	R	R	U	U	U	R	R	R
Acetone	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Aluminum Chloride	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R
Aluminum Sulfate ,Saturated	R	R	R	R	R	R	R	R	R	R	--	--	R	R	R
Ammonia Gas	--	--	--	R	--	--	R	--	--	R	--	--	R	R	L
Ammonium Hydroxide, 10%	L	L	L	R	R	R	R	R	R	R	--	--	L	L	L
Amyl Acetate	R	R	R	R	R	R	R	R	R	U	U	U	L	U	U
Amyl Alcohol	R	R	R	R	--	--	R	R	R	R	--	--	R	R	R
Aniline	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Aqua Regia	U	U	U	U	U	U	U	U	U	--	--	--	U	U	U
Benzene, Benzol	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Benzoic Acid	L	L	U	R	R	R	R	R	R	U	U	U	R	R	--
Boric Acid	R	R	L	R	R	R	R	R	R	R	--	--	R	R	--
Bromine Water	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Butyl Acetate	R	R	R	R	--	--	R	R	R	U	U	U	L	U	U
Butyl Alcohol, Tertiary	R	R	R	R	R	R	R	R	R	R	--	--	R	--	--
Butyric Acid	L	L	L	R	R	R	R	R	R	U	U	U	R	R	--
Calcium Chloride	L	L	U	R	R	R	R	R	R	R	--	--	R	R	R
Calcium Hydroxide	U	--	--	R	R	R	R	R	R	R	--	-	R	R	--
Calcium Nitrate	R	R	--	R	--	--	R	R	R	--	--	--	R	R	R
Carbon Dioxide, Wet	R	R	--	R	R	L	R	R	L	R	--	--	R	R	R
Carbon Disulfide (Bisulfide)	R	R	R	R	R	L	R	R	R	R	--	--	U	U	U
Carbon Monoxide	R	R	R	R	R	R	R	R	R	--	--	--	R	R	R
Carbon Tetrachloride	L	L	U	L	L	L	R	R	R	U	U	U	U	U	U
Chlorine, Liquid	--	--	--	R	L	--	--	--	--	--	--	--	--	--	--
Chlorine Water, Saturated	R	--	--	U	U	U	U	U	U	R	--	--	R	R	R
Chlorobenzene (Phenylchloride)	R	R	--	R	R	L	R	R	R	U	U	U	U	U	U
Chloroform	R	L	U	R	L	L	R	R	R	U	U	U	U	U	U
Chlorox Bleach Solution, 5.5% Chlorine	U	U	U	--	--	--	R	--	--	--	--	--	--	--	--
Chromic Acid, 10%	R	R	--	R	R	L	R	R	R	U	U	U	U	U	U
Citric Acid, 5%	L	L	L	R	U	U	R	R	R	R	--	--	R	R	R
Copper Chloride	U	U	U	U	U	U	U	U	U	R	--	--	R	R	R
Copper Sulfate	U	U	U	R	R	R	R	R	R	U	U	U	R	R	R
Cresol	R	L	--	R	R	--	R	L	--	U	U	U	U	U	U
Crude Oil	R	R	--	R	R	R	R	R	R	--	--	--	R	R	R
Diesel Fuels	R	--	--	R	--	--	R	--	--	--	--	--	R	R	--
Dimethyl Formamide	R	--	--	--	--	--	R	R	R	U	U	U	U	U	U
Dioxane	R	R	R	R	R	R	R	R	R	--	--	--	U	U	U
Ethyl Acetate	R	R	R	R	R	L	R	R	R	U	U	U	U	U	U
Ethyl Alcohol	R	R	R	R	R	R	R	R	R	U	U	U	R	--	--
Ethyl Chloride	R	R	R	R	R	R	R	R	R	U	U	U	--	--	--
Ethyl Ether	R	--	--	R	R	R	R	R	R	U	U	U	U	U	U
Ethylene Glycol	R	R	L	R	R	--	R	R	R	R	--	--	R	R	R
Ethylene Oxide	R	R	R	R	R	L	R	R	R	--	--	--	U	U	U
Ferric Chloride	U	U	U	U	U	U	U	U	U	R	--	--	R	R	--
Formaldehyde, 37% Solution	R	R	R	R	R	R	R	R	R	R	--	--	R	R	--
Formic Acid, 10%	R	R	--	R	R	U	R	R	R	U	U	U	--	--	--
Freon, F-22	R	--	--	R	--	--	R	R	R	--	--	--	--	--	
Gasoline, Unleaded	R	R	R	R	--	--	R	--	--	R	U	U	R	R	R
Heptane	R	L	--	R	R	R	R	R	R	--	--	--	R	R	R
Hexane	R	--	--	R	R	R	R	R	R	R	--	--	R	--	--
Hydrobromic Acid, Dilute	U	U	U	U	U	U	U	U	U	--	--	--	R	R	--

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended
L = Limited Use
U = Unsatisfactory
-- = Information not available

Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table

Non-Metallic Enclosures			Door Gasket Materials				
Polyamide	Polycarbonate	Polyester	Foam-in-Place Polyurethane Sponge	Poron Polyurethane Sponge	Neoprene Rubber Sponge	Silicone Rubber Sponge	Viton, Rubber Sponge
L	L	R	--	--	L	R	R
R	R	R	L	L	L	R	R
R	U	U	U	U	L	U	U
L	R	R	R	R	R	R	R
L	R	R	R	R	R	R	R
U	U	L	R	R	R	--	U
U	U	U	R	R	R	R	R
--	U	L	U	U	U	U	U
--	L	L	U	U	R	U	R
U	U	U	U	U	U	R	R
--	L	U	U	U	--	--	R
R	U	L	U	U	R	U	R
L	U	L	U	U	R	R	R
L	R	R	L	L	U	R	R
--	U	U	U	U	U	U	R
--	U	L	U	U	U	R	R
R	R	R	--	--	U	R	R
L	U	L	--	--	U	U	R
R	R	R	R	R	R	R	R
U	--	U	L	L	R	R	R
L	R	R	L	L	R	R	R
L	--	R	R	R	R	R	R
R	U	L	--	--	U	--	R
L	--	R	R	R	R	R	R
R	U	L	U	U	U	U	R
L	L	L	--	--	U	U	R
R	R	R	U	U	U	U	R
R	U	U	U	U	U	U	R
R	U	U	U	U	U	U	R
--	L	R	--	--	U	U	U
U	R	L	U	U	U	L	R
R	R	R	--	--	R	R	R
L	R	--	R	R	R	R	R
L	R	R	R	R	R	--	R
U	U	U	U	U	U	--	R
L	--	L	L	L	U	U	R
--	R	R	--	--	R	U	R
U	U	L	--	--	U	L	L
--	U	L	--	--	U	L	L
R	U	L	U	U	U	R	U
R	L	R	U	U	U	R	U
R	U	L	--	--	L	U	R
R	U	U	U	U	U	U	U
L	R	R	R	R	R	R	R
--	R	R	U	U	U	U	U
L	R	R	R	R	R	R	R
L	R	R	U	U	R	--	L
R	R	L	U	U	R	R	R
--	U	R	U	U	R	U	R
R	L	R	R	R	R	U	R
R	R	R	U	U	R	U	R
--	L	R	R	R	R	U	R
L	--	L	--	--	U	U	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended
L = Limited Use
U = Unsatisfactory
-- = Information not available

Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table cont.

	Unpainted Metal Enclosures									Painted Steel Enclosures					
	Aluminum			Stainless Steel Type 304			Stainless Steel Type 316			Acrylic Electrocoat, ANSI 61 Gray			Polyester Powdercoat, ANSI 61 Gray		
Chemical	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Hydrochloric Acid, 20%	U	U	U	U	U	U	U	U	U	R	--	--	R	R	--
Hydroflouric Acid, 10%	U	U	U	U	U	U	U	U	U	--	--	--	R	--	--
Hydrogen Peroxide, 30%	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Hydrogen Sulfide, Wet	R	--	--	U	U	U	R	R	R	R	R	--	R	R	--
Isopropyl Alcohol	R	--	--	R	R	--	R	R	R	--	--	--	U	U	U
Jet Fuels	R	R	--	R	--	--	R	R	R	R	--	--	R	R	--
Kerosine	R	R	--	R	R	R	R	R	R	R	--	--	R	R	--
Lactic Acid, 10%	R	--	--	R	R	L	R	R	R	U	U	U	R	R	R
Magnesium Chloride	U	U	U	L	L	L	R	R	R	R	--	--	R	R	R
Methyl Alcohol	R	L	--	R	R	L	R	R	R	--	--	--	R	R	--
Methyl Ethyl Ketone	R	L	--	R	L	--	R	R	R	U	U	U	U	U	U
Methylene Chloride	R	R	R	R	R	L	R	R	R	U	U	U	U	U	U
Mineral Oils	R	R	--	R	--	--	R	R	R	R	--	--	R	--	--
Naptha	R	--	--	R	R	--	R	--	--	R	U	U	R	R	R
Nitric Acid, 10%	U	U	U	R	R	R	R	R	R	R	--	--	R	R	U
Nitrobenzene	R	--	--	R	R	L	R	R	R	U	U	U	U	U	U
Oleic Acid	R	--	--	R	R	L	R	R	R	R	R	--	R	R	R
Oleum	R	--	--	R	--	--	R	--	--	U	U	U	U	U	U
Oxalic Acid, 10%	R	L	--	U	U	U	U	U	U	R	--	--	R	R	--
Oxygen	R	R	--	R	--	--	R	R	R	--	--	--	--	--	--
Ozone	R	R	--	R	R	--	R	R	R	--	--	--	--	--	--
Perchloroethylene	R	R	R	R	R	R	R	R	R	--	--	--	R	U	U
Phenol	R	R	R	R	R	R	R	R	R	R	--	--	U	U	U
Phosphoric Acid, 25%	U	U	U	R	R	L	R	L	U	R	--	--	R	R	R
Phthalic Acid	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Potassium Chloride, 30%	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R
Potassium Dichromate, 30%	R	R	L	R	R	R	R	R	R	R	--	--	R	R	R
Potassium Hydroxide, 10%	U	U	U	R	R	L	R	R	R	R	R	U	U	U	U
Potassium Nitrate, 50%	R	R	R	R	R	L	R	R	R	R	--	--	R	R	R
Potassium Permanganate, 10%	R	R	R	R	L	L	R	R	L	U	U	U	R	R	--
Pyradine	R	R	R	R	R	R	R	R	R	--	--	--	U	U	U
Sodium Bicarbonate, 20%	R	--	--	R	R	R	R	R	R	R	--	--	R	R	--
Sodium Bisulfite, 10%	U	U	U	R	R	L	R	R	R	R	--	--	R	R	--
Sodium Carbonate, 10%	U	U	U	R	R	L	R	R	R	U	U	U	R	R	U
Sodium Chlorate, 10%	R	R	R	R	R	R	R	R	R	R	--	--	R	R	--
Sodium Chloride, 10%	R	U	U	R	R	L	R	R	R	R	--	--	R	R	R
Sodium Hydroxide, 10%	U	U	U	R	R	R	R	R	R	R	--	--	R	U	U
Sodium Hypochlorite, 10%	R	L	L	R	L	U	R	--	--	R	R	--	U	U	U
Sodium Nitrate	R	R	R	R	R	U	R	R	R	R	--	--	R	R	R
Sodium Sulfate	R	R	L	R	R	U	R	R	R	R	--	--	R	R	U
Sulfur Dioxide	R	R	R	R	R	R	R	R	R	R	R	--	R	R	R
Sulfuric Acid, 5%	U	U	U	L	U	U	R	--	--	R	--	--	R	R	R
Tartaric Acid	L	U	U	R	R	R	R	R	R	--	--	--	R	R	R
Tetrahydrofuran	U	U	U	R	--	--	L	L	L	--	--	--	U	U	U
Toluene	R	R	R	R	R	R	R	R	R	U	U	U	R	U	U
Trichloroacetic Acid	U	U	U	U	U	U	U	U	U	--	--	--	R	R	U
Trichloroethylene	R	R	L	R	L	L	R	R	L	U	U	U	U	U	U
Trisodium Phosphate	U	U	U	R	R	--	R	R	--	--	--	--	R	R	U
Turpentine	L	--	--	R	R	--	R	R	L	R	--	--	R	R	--
Water	R	R	L	R	R	R	R	R	R	R	--	--	R	R	R
Xylene	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Zinc Chloride	U	U	U	U	U	U	L	L	L	R	--	--	R	R	R
Zinc Sulfate	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended
L = Limited Use
U = Unsatisfactory
-- = Information not available

Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table

Non-Metallic Enclosures			Door Gasket Materials				
Polyamide	Polycarbonate	Polyester	Foam-in-Place Polyurethane Sponge	Poron Polyurethane Sponge	Neoprene Rubber Sponge	Silicone Rubber Sponge	Viton, Rubber Sponge
L	L	L	R	R	R	R	R
L	R	L	--	--	R	U	R
--	R	R	--	--	U	R	R
L	R	R	--	--	R	L	U
R	R	R	U	U	U	U	U
R	L	R	U	U	U	U	R
R	R	R	U	U	R	U	R
L	R	R	--	--	R	R	R
L	R	R	R	R	R	R	R
R	L	L	U	U	R	U	U
R	U	L	U	U	U	U	U
R	U	U	U	U	--	--	R
L	R	R	R	R	R	R	R
--	R	R	R	R	U	U	R
L	R	L	U	U	U	U	R
L	U	L	U	U	U	U	R
L	R	R	R	R	L	U	R
U	--	U	U	U	L	U	R
L	R	R	--	--	U	R	R
L	R	R	--	--	U	R	R
--	U	L	--	--	L	R	R
R	--	U	U	U	U	U	R
L	U	U	U	U	R	U	R
L	L	L	--	--	R	--	--
L	--	R	--	--	R	R	R
--	R	R	R	R	R	R	R
U	--	L	R	R	R	R	R
L	U	U	R	R	R	L	R
L	R	R	--	--	R	R	R
U	R	L	--	--	R	--	R
L	U	--	--	--	L	R	R
U	R	R	--	--	R	R	R
--	R	R	--	--	R	R	R
U	R	R	--	--	R	R	R
--	R	R	--	--	R	L	R
L	R	R	R	R	R	R	R
R	U	L	--	--	R	R	R
U	R	L	--	--	L	R	R
L	U	R	--	--	R	U	R
L	R	R	R	R	R	R	R
L	L	R	--	--	R	R	R
L	L	L	U	U	U	U	R
L	R	R	R	R	R	R	R
--	U	U	--	--	U	U	U
L	U	L	U	U	--	R	R
--	R	U	--	--	U	U	L
L	--	L	U	U	U	U	R
U	L	--	R	R	R	R	R
--	L	R	U	U	U	U	R
R	R	R	R	R	U	--	R
--	U	L	U	U	U	U	R
L	R	R	--	--	R	R	R
L	R	R	--	--	R	R	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
The presence of contaminates in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended
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Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Wireway Selection (Reference NFPA 70, National Electrical Code 1999)

Definition

Wireways are troughs with hinged or removable covers for housing and protecting electric wires and cable. Conductors are laid into the wireway after the wireway has been installed as a complete system.

Uses

The use of wireways are permitted as follows:

1. For exposed work in dry locations. For outdoor or wet locations, use Type 3R wireway.
2. If installed in inaccessible spaces, the use of wireway is permitted only for use with audio signal conductors (per NEC® 640-24).
3. In hazardous locations as permitted by NEC® sections 501-46, 502-46 and 504-20.

The use of wireways is not permitted where a risk of severe physical damage or corrosive vapor is present.

Size of Conductors

Table I shows maximum allowable cable sizes for varying wireway sizes. (Based on UL 870-6.1)

Table I

Wireway Size Inches	Maximum Cable Size AWG or kcmil
2.5x2.5	2
3x3	1
4x4	4/0
4x6	4/0
6x6	500
12x6	500
8x8	900
10x10	1250
12x12	2000

Conductors entering the wireway only at the ends of runs are limited in size only by the 20 percent fill requirement of the NEC®. However, it is recommended that wire sizes not exceed those in Table I.

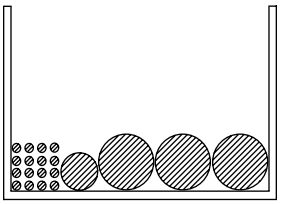
Number of Conductors

Wireways which contain no more than 30 current-carrying conductors at any cross section, and for which the sum of the cross-sectional areas of all contained conductors at any cross section does not exceed 20% of the interior cross-sectional area of the wireway, require no derating of cables.

Table II

Wireway Size Inches	Allowable Cable Area sq. in.
2.5x2.5	1.2
3x3	1.8
4x4	3.2
4x6	4.8
6x6	7.2
8x8	12.8
12x6	14.4
10x10	20.0
12x12	28.8

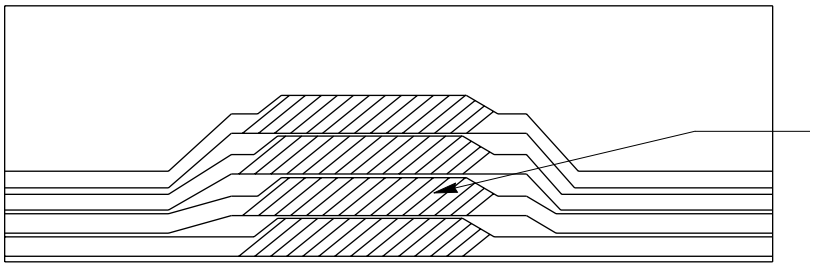
Cross sectional area of conductors £ 20% of cross sectional area of wireway.



For exceptions allowing more conductors, see NEC® 362-5.

Splices and Taps

Splices and taps are permitted within a wireway, provided they are accessible. The conductors, including splices and taps, shall not fill the wireway to more than 75 percent of its area at the point of a splice or tap.



Cross Sectional Area of Conductors

Single Conductor Cable 600V

SIZE	Cross Sectional Area of Conductors (sq. in.)							
	XXHW, XXHW-2, XHH		THHN, THWN THWN-2		THW, THW-2, THHW		RHH*, RHW* RHW-2*	
AWG-kcml	Diameter in.	Area in.²	Diameter in.	Area in.²	Diameter in.	Area in.²	Diameter in.	Area in.²
14	0.1330	1.0139	0.1110	0.0097	0.1630	0.0209	0.1930	0.0293
12	0.1520	1.0181	0.1300	0.0133	0.1820	0.0260	0.2120	0.0353
10	0.1760	0.0243	0.1640	0.0211	0.2060	0.0333	0.2360	0.0437
8	0.2360	0.0437	0.2160	0.0366	0.2660	0.0556	0.3260	0.0835
6	0.2740	0.0590	0.2540	0.0507	0.3040	0.0726	0.3640	0.1041
4	0.3220	0.0814	0.3240	0.0824	0.3520	0.0973	0.4120	0.1333
3	0.3500	0.0962	0.3520	0.0973	0.3800	0.1134	0.4400	0.1521
2	0.3820	0.1146	0.3840	0.1158	0.4120	0.1333	0.4720	0.1750
1	0.4420	0.1534	0.4460	0.1562	0.4920	0.1901	0.5850	0.2688
1/0	0.4820	0.1825	0.4860	0.1855	0.5320	0.2223	0.6220	0.3039
2/0	0.5280	0.2190	0.5320	0.2223	0.5780	0.2624	0.6680	0.3505
3/0	0.5800	0.2642	0.5840	0.2679	0.6300	0.3117	0.7200	0.4072
4/0	0.6380	0.3197	0.6420	0.3237	0.6880	0.3718	0.7780	0.4754
250	0.7050	0.3904	0.7110	0.3970	0.7650	0.4596	0.8950	0.6291
300	0.7600	0.4536	0.7660	0.4608	0.8200	0.5281	0.9500	0.7088
350	0.8110	0.5166	0.8170	0.5242	0.8710	0.5958	1.0010	0.7870
400	0.8580	0.5782	0.8640	0.5863	0.9180	0.6619	1.0480	0.8626
500	0.9430	0.6984	0.9490	0.7073	1.0030	0.7901	1.1330	1.0082
600	1.0530	0.8790	1.0510	0.8676	1.1130	0.9729	1.2430	1.2135
700	1.1240	0.9923	1.1220	0.9887	1.1840	1.1010	1.3140	1.3561
750	1.1580	1.0532	1.1560	1.0496	1.2180	1.1652	1.3480	1.4272
800	1.1900	1.1122	1.1880	1.1085	1.2500	1.2272	1.3800	1.4957
900	1.2540	1.2351	1.2520	1.2311	1.3140	1.3561	1.4440	1.6377
1000	1.3120	1.3519	1.3100	1.3478	1.3720	1.4784	1.5020	1.7719
1250	1.4790	1.7180	-	-	1.5390	1.8602	1.7290	2.3479
1500	1.6020	2.0156	-	-	1.6620	2.1695	1.8520	2.6938
1750	1.7160	2.3127	-	-	1.7760	2.4773	1.9660	3.0357
2000	1.8220	2.6073	-	-	1.8820	2.7818	2.0720	3.3719

* RHH, RHW and RHW-2 without covering have the same dimension as THW.

Wireway Selection

Sample Calculation

A. Wireway dimensions are obtained as follows:

1. List cables by size and types.

2. List cable cross sectional areas.

3. List the number of each size of cable.

4. Multiply cable cross sectional areas by number of each cable.

5. Sum the total cross sectional areas of each cable type to obtain the total cross sectional areas for the conductors.

List Cable Sizes and Types	List Cable Cross Sectional Areas (A) sq. in.	List Number of Cables (N)	Multiply (A) X (N) = Total Cross Sectional Area for Each Size sq. in.
2 AWG-XXHW	0.1182	4	0.4728
2/0-TW	0.2290	2	0.4580
750 kcmil-RHH	1.1300	2	2.2600
		Sum of the total cross sectional areas =	3.1908

6. The wireway must first meet the dimensional requirements for the largest conductor. In this case, the largest conductor is 750 kcmil. The minimum dimensions based on conductor size are obtained from Table I. To comply with the NEC®'s conductor size limitations, the wireway must be at least 8x8.

7. The wireway dimensions must meet 20% fill requirements. Based on the sum of the total cross sectional areas of the conductors (3.19 sq. in.), the minimum dimensions are obtained from Table II. To comply with the NEC®'s 20 percent fill requirements, the wireway must be at least 4x4.

8. In order to comply with UL's maximum conductor size limitations, and the NEC®'s 20 percent fill requirements, the wireway dimensions must be the larger of the two dimensions obtained in steps 6 and 7. In this case, 8x8 wireway is chosen.

B. Solution

For this case, 8x8 wireway is chosen in order to fully comply with both the NEC®'s 20 percent fill requirement and maximum conductor size limitations.

Horizontal support

Horizontal wireway runs should be supported at each end and at intervals not to exceed 5 ft., except for individual lengths longer than 5 ft. which must be supported at each end or joint, and at intervals not to exceed 10 ft.

Vertical support

Vertical runs of wireway must be supported at intervals not exceeding 15-ft with not more than one joint between supports.

Decimal and Metric Equivalents

4ths	8ths	16ths	32nds	64ths	To 3 places	To 2 places	Millimeters
				1/64	.016	.02	0
			1/32		.031	.03	1
				3/64	.047	.05	1
		1/16			.062	.06	2
				5/64	.078	.08	2
			3/32		.094	.09	2
				7/64	.109	.11	3
	1/8				.125	.12	3
				9/64	.141	.14	4
			5/32		.156	.16	4
				11/64	.172	.17	4
		3/16			.188	.19	5
				13/64	.203	.20	5
			7/32		.219	.22	6
				15/64	.234	.23	6
1/4					.250	.25	6
				17/64	.266	.27	7
			9/32		.281	.28	7
				19/64	.297	.30	8
		5/16			.312	.31	8
				21/64	.328	.33	8
			11/32		.344	.34	9
				23/64	.359	.36	9
	3/8				.375	.38	10
				25/64	.391	.39	10
			13/32		.406	.41	10
				27/64	.422	.42	11
		7/16			.438	.44	11
				29/64	.453	.45	12
			15/32		.469	.47	12
				31/64	.484	.48	12
1/2					.500	.50	13
				33/64	.516	.52	13
			17/32		.531	.53	13
				35/64	.547	.55	14
		9/16			.562	.56	14
				37/64	.578	.58	15
			19/32		.594	.59	15
				39/64	.609	.61	15
	5/8				.625	.62	16
				41/64	.641	.64	16
			21/32		.656	.66	17
				43/64	.672	.67	17
		11/16			.688	.69	17
				45/64	.703	.70	18
			23/32		.719	.72	18
				47/64	.734	.73	19
3/4					.750	.75	19
				49/64	.766	.77	19
			25/32		.781	.78	20
				51/64	.797	.80	20
		13/16			.812	.81	21
				53/64	.828	.83	21
			27/32		.844	.84	21
				55/64	.859	.86	22
	7/8				.875	.88	22
				57/64	.891	.89	23
			29/32		.906	.91	23
				59/64	.922	.92	23
		15/16			.938	.94	24
				61/64	.953	.95	24
			31/32		.969	.97	25
				63/64	.984	.98	25
1					1.000	1.00	25

Metric Conversion Tables

LENGTH

U.S. to Metric

1 inch	= 25.40 millimeters
1 inch	= 2.540 centimeters
1 foot	= 30.480 centimeters
1 foot	= 0.3048 meter
1 yard	= 91.440 centimeters
1 yard	= 0.9144 meter
1 mile	= 1.609 kilometers

Metric to U.S.

1 millimeter	= 0.03937 inch
1 centimeter	= 0.3937 inch
1 meter	= 39.37 inches
1 meter	= 3.2808 feet
1 meter	= 1.0936 yards
1 kilometer	= 0.62137 mile

AREA

U.S. to Metric

1 sq. inch	= 645.16 sq. millimeters
1 sq. inch	= 6.4516 sq. centimeters
1 sq. foot	= 929.03 sq. centimeters
1 sq. foot	= 0.0929 sq. meter
1 sq. yard	= 0.836 sq. meter

Metric to U.S.

1 sq. millimeter	= 0.00155 sq. inch
1 sq. centimeter	= 0.1550 sq. inch
1 sq. meter	= 10.7640 sq. feet
1 sq. meter	= 1.196 sq. yards

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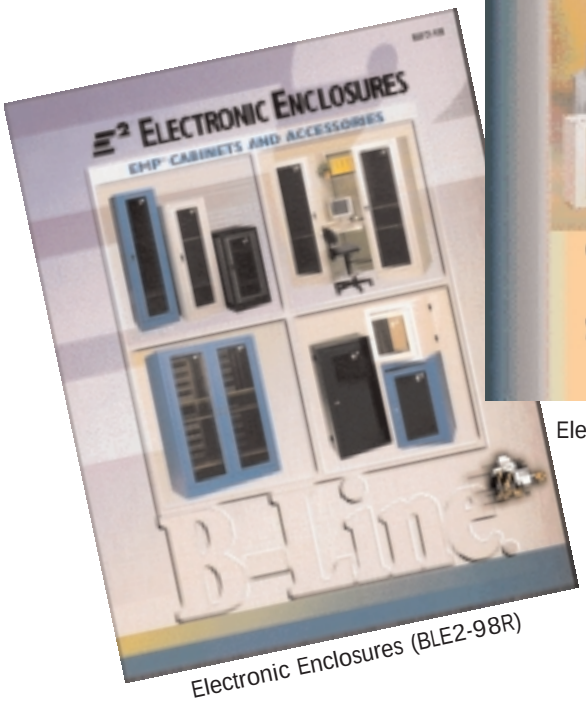

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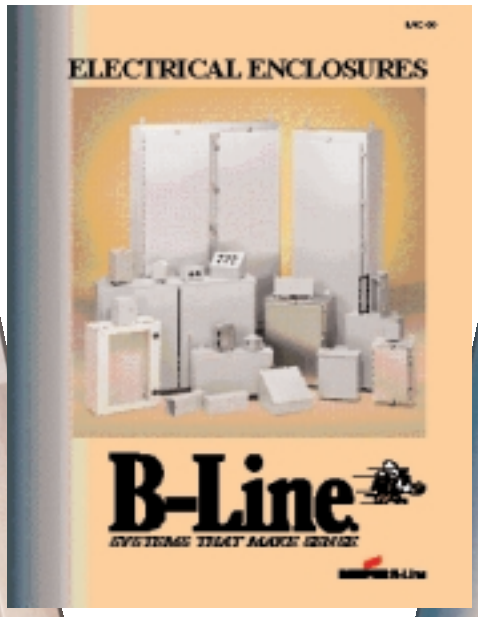

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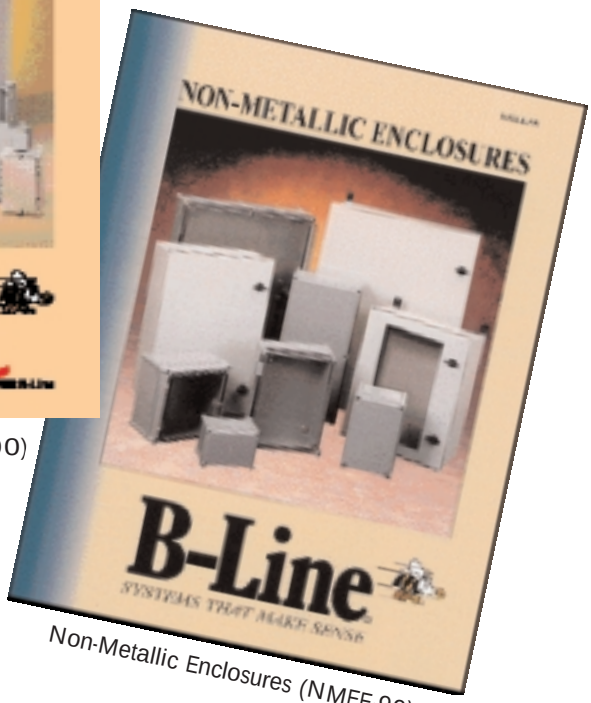

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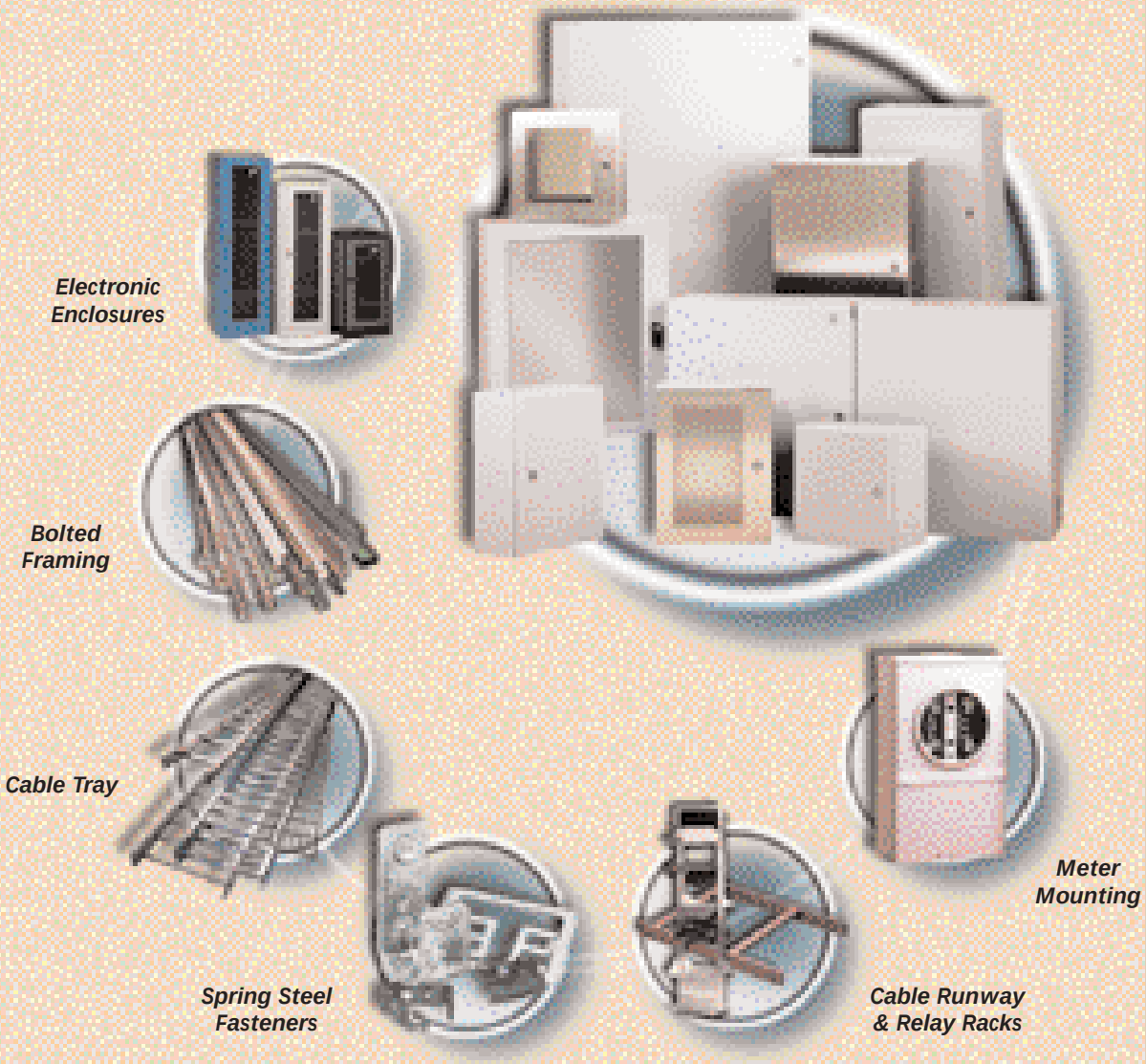

Customer Service

Electrical/Mechanical

Phone: 618-654-2184
Fax: 618-654-1917
Address: Cooper B-Line
509 West Monroe St.
Highland, IL 62249

Telecom

303-375-8000
303-375-8015
Cooper B-Line
21000 East 32nd Parkway
Aurora, CO 80011

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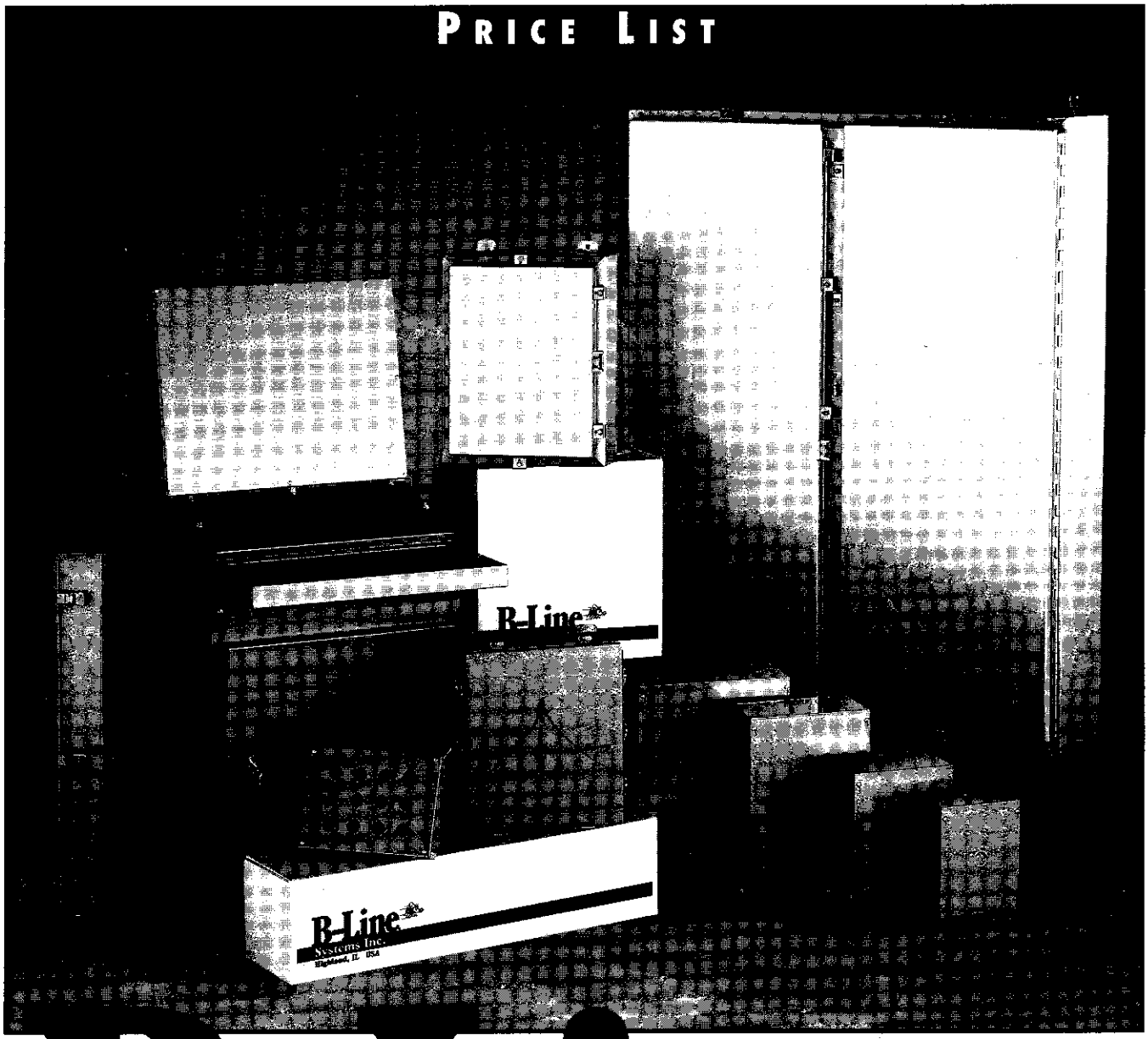
East-Zone 1
Effective 10/5/98

ELECTRICAL ENCLOSURES

PRICE LIST



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w/1500 CBS CHANNEL OK

Terms & Conditions

1. Payment Terms: 2% 10 Days, Net 30 Days, Date of Invoice; payment in U. S. funds.
2. Minimum Billing: Orders of less than $50.00 net value will be invoiced at $50.00 plus transportation charges.
3. Prices and Quotations: Orders are accepted with the understanding that the goods will be invoiced with price in effect at time of shipment, unless otherwise specified in our quotation.
4. Standard Product Freight Terms: All shipments will be F.O.B. point of shipment. Freight charges will be prepaid and allowed on standard items shipped to any domestic free delivery point in the Continental United States via common carrier for single orders of $1500.00 net or more to be routed to one destination. Non-standard items may not be combined with standard items to determine freight allowances. Non-standard items are custom-made specials, and items not listed in the catalog.
5. Custom Non-Standard Product Freight Terms: All shipments will be F.O.B. point of shipment. Freight charges will be prepaid and allowed on custom/non-standard product shipped to any domestic free delivery point in the Continental United States via common carrier for single orders of $1500.00 net or more to be routed to one destination.
6. Hawaii Shipments: Shipments of qualifying orders to Hawaii will be prepaid to dockside only and collect beyond.
7. Prepaid Shipments: Prepaid shipments will be shipped via the most economical routing. Routing requested by the Distributor will be made when circumstances permit with the understanding that the Customer assumes any extra charges incurred.
8. Air Shipments: All air freight shipments will be freight collect.
9. Non-Qualifying: For non-qualifying shipments we reserve the right to the following:
   a. Forward on a collect freight charge basis.
   b. Have prepaid freight charges billed to the ordering distributor by the freight company.
   c. Prepay and add charges to the invoice.
10. Beyond Charges: For shipments of qualifying orders to job site locations beyond the nearest common carrier free delivery point any and all "beyond charges" will be invoiced to the customer. In many cases the final exact amount will not be billed until the Company has received the bill from carrier.
11. Claims: Claims for shortages must be made in writing to the Company within thirty (30) days of receipt of the shipment.
12. Acceptance: All orders are subject to acceptance by B-Line Systems, Inc.
13. Cancellation: Orders for normal quantities of standard catalog listed goods may be canceled without charge, if written instructions are received at the factory in time to stop shipment. Cancellation of orders for specials and modified products or standard products in quantities larger than normal which are in the process of manufacture, will be accepted with the understanding that B-Line Systems, Inc. will be reimbursed for expenses incurred related to the canceled order. These expenses would include any engineering expense associated with the design or the preparation for manufacture.
14. Return of Goods: No material will be returned to, or accepted by B-Line Systems, Inc. without written permission. Only current design stock products in original cartons and in resalable condition will be considered returnable. Goods may not be returned which were shipped more than (180) days prior to date of return request.
15. A minimum restocking charge of 20% of the price originally paid for the material plus all transportation charges paid by B-Line Systems, Inc. will be deducted from our Credit Memo on the returned goods.
16. Transportation charges on the returned material must be prepaid. Any cost in excess of the 20% restocking charge incurred in repackaging and restoring the material to resalable condition will be deducted from the Credit Memo. Material specially fabricated to the customer's specifications cannot be returned for credit unless the return is made necessary through defective materials supplied by B-Line Systems, Inc.
17. Delivery: Delivery date given prior to or after placement of an order is determined to the best of our ability based on our normal production cycle. The delivery date is in no way guaranteed unless otherwise specified in writing. Therefore B-Line Systems, Inc. is not indemnitor for any damages, losses, or claims whatsoever due to inability to meet such delivery date.
18. Warranties: B-Line Systems, Inc. warrants goods manufactured by it to be free from defects in material and workmanship, for a period of one (1) year from date of shipment from its plant. If within that period of time, goods shall be proven to B-Line Systems, Inc. satisfaction to be so defective, then and in that event, such goods shall be replaced or repaired at B-Line Systems, Inc. option. Under no circumstances, however will we be held responsible for any amount beyond the price of the product or any unauthorized "field" repair. Such correction or replacement of defective goods shall constitute a fulfillment of all liabilities in respect to such goods.
19. Damage or Loss in Transit: Delivery of goods to a carrier at B-Line Systems, Inc. plant or other shipping point shall constitute delivery. Regardless of freight payment, all risk of loss or damage in transit shall pass to Purchaser at that time. Purchaser shall make claims for loss or damage to goods while in transit against the carrier. B-Line Systems, Inc. will assist Purchaser in securing satisfactory adjustment of such claims. Terms are F.O.B. point of shipment.
20. Consequential Damage: Anything to the contrary herein contained notwithstanding, B-Line Systems, Inc. shall not be liable for any consequential, contingent, or incidental damage whatsoever.
21. Penalty clause: No penalty clause of any type will be applicable in any form unless written approval is provided by an officer of B-Line Systems, Inc.
22. Taxes and Other Charges: Any manufacturer's tax, retailer's occupation tax, use tax, sales tax, excise tax, duty, custom, inspection or testing fee, or other tax, fee or charge of any nature whatsoever, imposed by any governmental authority on or measured by any transaction between B-Line Systems, Inc. and Purchaser, shall be paid by Purchaser in addition to the prices quoted or invoiced.
23. Special Allowances: From time to time the Company may offer special transportation allowances as part of merchandising programs. Such programs will be discussed with Distributors by B-Line Systems, Inc. sales representatives.

Terms and Conditions of Sales
B-Line Enclosures

B-Line Systems, Inc.
4900 Marshall St.
Sherman, TX 75090

B-Line Systems, Inc.
7298 SW Tech Center Dr.
Portland, OR 97223

B-Line Systems, Inc.
1706 Lapham Dr.
Modesto, CA 95354

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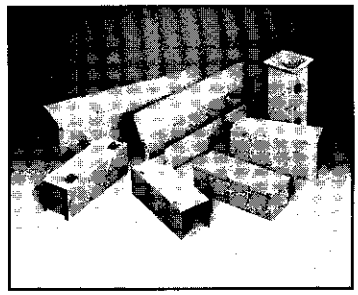

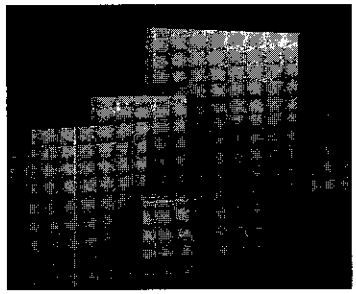

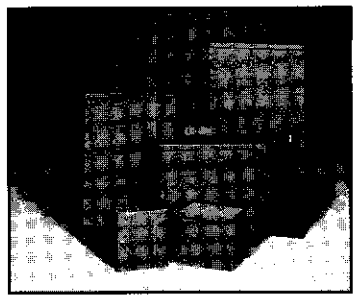

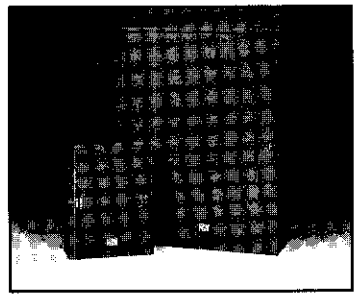

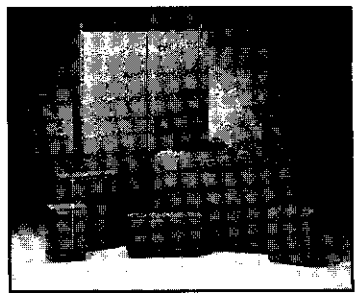

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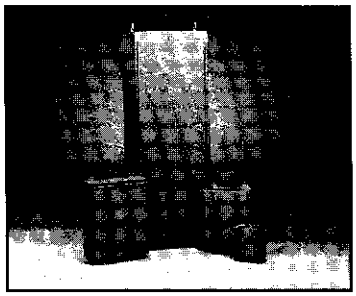

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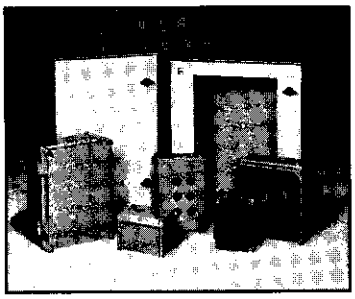

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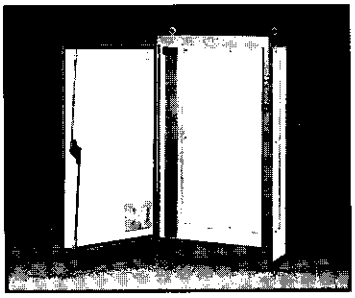

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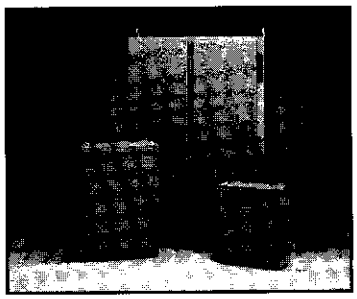

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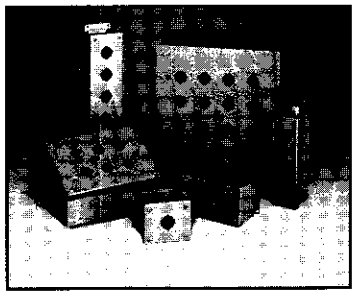

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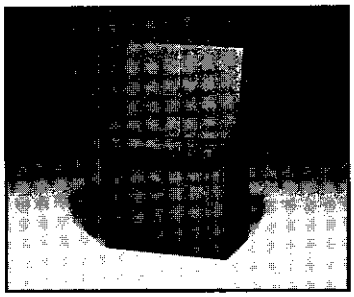

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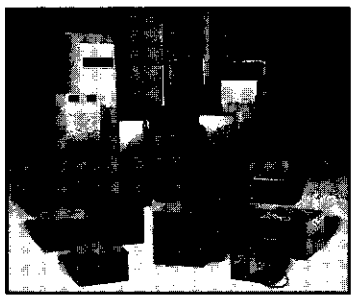

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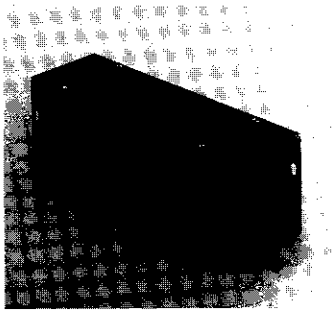
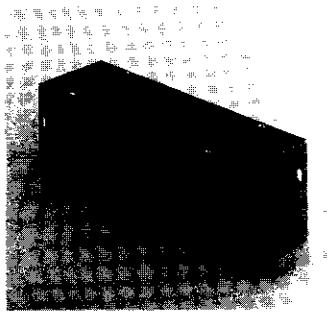


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
3.0 X 3.0 Painted Straight Sections With Knockouts						
3312 G	12.00" STRAIGHT SECTION W/KO	**13.53**	A	4	12.0	10000
3318 G	18.00" STRAIGHT SECTION W/KO	**18.45**	A	4	15.8	10010
3324 G	24.00" STRAIGHT SECTION W/KO	**19.52**	A	4	24.0	10020
3336 G	36.00" STRAIGHT SECTION W/KO	**27.00**	A	4	32.0	10030
3348 G	48.00" STRAIGHT SECTION W/KO	**37.50**	A	4	42.0	10040
3360 G	60.00" STRAIGHT SECTION W/KO	**44.96**	A	4	52.0	10050
3372 G	72.00" STRAIGHT SECTION W/KO	**59.04**	A	4	65.0	10060
33120 G	120.00" STRAIGHT SECTION W/KO	**93.46**	A	4	104.0	10070
3.0 X 3.0 Painted Straight Sections Without Knockouts						
3312 G NK	12.00" STRAIGHT SECTION W/O KO	**13.53**	A	4	12.0	30185
3318 G NK	18.00" STRAIGHT SECTION W/O KO	**18.45**	A	4	15.8	30200
3324 G NK	24.00" STRAIGHT SECTION W/O KO	**19.52**	A	4	24.0	30210
3336 G NK	36.00" STRAIGHT SECTION W/O KO	**27.00**	A	4	32.0	30220
3348 G NK	48.00" STRAIGHT SECTION W/O KO	**37.50**	A	4	42.0	30230
3360 G NK	60.00" STRAIGHT SECTION W/O KO	**44.96**	A	4	52.0	10055
3372 G NK	72.00" STRAIGHT SECTION W/O KO	**59.04**	A	4	65.0	30245
33120 G NK	120.00" STRAIGHT SECTION W/O KO	**93.46**	A	4	104.0	30195
3.0 X 3.0 Fittings						
33 C	WIREWAY CONNECTOR 3x3	**3.77**	A	10	3.5	10900
33 E	SC WIREWAY END 3x3	**3.77**	A	20	4.0	10800
33 E NK	SC WIREWAY END W/O KO 3x3	**3.77**	A	20	4.0	30150
33 FH	WIREWAY HANGER 3x3	**5.38**	A	10	10.0	10920
33 FTF	TELESCOPIC FITTING	**50.53**	A	1	3.3	11091
33 GF	WIREWAY END FLANGE 3x3	**11.52**	A	1	0.3	10940
33 L COMBO	SC WIREWAY ELBOW 3x3	**30.49**	A	1	2.3	11000
33 L SIDE	SC WIREWAY ELBOW 3x3	**30.49**	A	1	2.3	10965
33 T	SC WIREWAY TEE 3x3	**59.90**	A	1	2.5	10970
33 X	WIREWAY CROSS 3x3	**36.81**	A	1	4.3	11030
3344 FR	REDUCER 3x3 TO 4x4 WIREWAY	**21.01**	A	1	2.5	11070
3345 L COMBO	WIREWAY ELBOW 45° 3x3	**30.49**	A	1	1.3	11050
3345 L SIDE	WIREWAY ELBOW 45° 3x3	**30.49**	A	1	1.3	11051
3.0 X 3.0 Flush Cover (Optional)						
312 GCF	SC WIREWAY 3x12 FLUSH COVER	**1.98**	A	1	1.0	32436
318 GCF	SC WIREWAY 3x18 FLUSH COVER	**2.97**	A	1	1.5	32440
324 GCF	SC WIREWAY 3x24 FLUSH COVER	**3.87**	A	1	1.9	32442
336 GCF	SC WIREWAY 3x36 FLUSH COVER	**5.85**	A	1	2.7	32446
348 GCF	SC WIREWAY 3x48 FLUSH COVER	**7.74**	A	1	3.6	32448
360 GCF	SC WIREWAY 3x60 FLUSH COVER	**9.72**	A	1	4.5	32450
372 GCF	SC WIREWAY 3x72 FLUSH COVER	**11.61**	A	1	5.3	32452
3120 GCF	SC WIREWAY 3x120 FLUSH COVER	**19.35**	A	1	8.9	32438

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

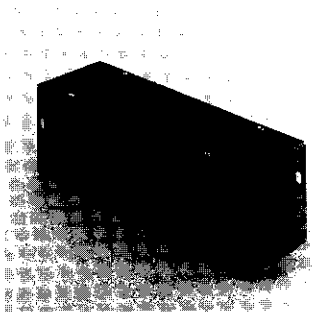
TYPE 1 SCREW COVER WIREWAY - PAINTED (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 X 4.0 Painted Straight Sections With Knockouts						
4412 G	12.00" STRAIGHT SECTION W/KO	**13.95**	A	4	14.0	10080
4418 G	18.00" STRAIGHT SECTION W/KO	**20.52**	A	4	20.8	10090
4424 G	24.00" STRAIGHT SECTION W/KO	**22.17**	A	4	28.0	10100
4436 G	36.00" STRAIGHT SECTION W/KO	**33.61**	A	4	36.0	10110
4448 G	48.00" STRAIGHT SECTION W/KO	**44.96**	A	4	54.5	10120
4460 G	60.00" STRAIGHT SECTION W/KO	**47.96**	A	4	68.0	10130
4472 G	72.00" STRAIGHT SECTION W/KO	**56.31**	A	4	84.0	10140
44120 G	120.00" STRAIGHT SECTION W/KO	**102.90**	A	2	69.0	10150
4.0 X 4.0 Painted Straight Sections Without Knockouts						
4412 G NK	12.00" STRAIGHT SECTION W/O KO	**13.95**	A	4	14.0	44016
4418 G NK	18.00" STRAIGHT SECTION W/O KO	**20.52**	A	4	20.8	44180
4424 G NK	24.00" STRAIGHT SECTION W/O KO	**22.17**	A	4	28.0	10101
4436 G NK	36.00" STRAIGHT SECTION W/O KO	**33.61**	A	4	40.0	10111
4448 G NK	48.00" STRAIGHT SECTION W/O KO	**44.96**	A	4	54.5	10121
4460 G NK	60.00" STRAIGHT SECTION W/O KO	**47.96**	A	4	68.0	10135
4472 G NK	72.00" STRAIGHT SECTION W/O KO	**56.31**	A	4	84.0	44720
44120 G NK	120.00" STRAIGHT SECTION W/O KO	**102.90**	A	2	69.0	10155
4.0 X 4.0 Fittings						
3344 FR	REDUCER 3x3 TO 4x4 WIREWAY	**21.01**	A	1	2.5	11070
44 C	WIREWAY CONNECTOR 4x4	**4.51**	A	10	4.5	10901
44 E	SC WIREWAY END 4x4	**4.51**	A	20	7.0	10810
44 E NK	SC WIREWAY END W/O KO 4x4	**4.51**	A	20	7.0	10811
44 FH	WIREWAY HANGER 4x4	**7.51**	A	10	15.0	10922
44 FTF	TELESCOPIC FITTING 4x4	**54.35**	A	1	4.3	11093
44 GF	WIREWAY END FLANGE 4x4	**13.82**	A	10	4.0	10942
44 L COMBO	SC WIREWAY ELBOW 4x4	**36.61**	A	2	6.0	11002
44 L SIDE	SC WIREWAY ELBOW 4x4	**36.61**	A	2	6.0	11003
44 T	SC WIREWAY TEE 4x4	**41.59**	A	1	3.5	10972
44 X	WIREWAY CROSS 4x4	**41.59**	A	1	6.3	11032
4445 L COMBO	WIREWAY ELBOW 45° 4x4	**36.61**	A	1	1.5	11052
4445 L SIDE	WIREWAY ELBOW 45° 4x4	**36.61**	A	1	1.5	11053
4466 FR	REDUCER 4x4 TO 6x6 WIREWAY	**40.85**	A	1	4.0	11072
4.0 X 4.0 Flush Cover (Optional)						
412 GCF	SC WIREWAY 4x12 FLUSH COVER	**3.42**	A	1	1.0	32454
418 GCF	SC WIREWAY 4x18 FLUSH COVER	**5.13**	A	1	1.0	32458
424 GCF	SC WIREWAY 4x24 FLUSH COVER	**5.58**	A	1	1.4	32460
436 GCF	SC WIREWAY 4x36 FLUSH COVER	**8.82**	A	1	2.1	32462
448 GCF	SC WIREWAY 4x48 FLUSH COVER	**10.71**	A	1	2.9	32468
460 GCF	SC WIREWAY 4x60 FLUSH COVER	**11.70**	A	1	5.0	32470
472 GCF	SC WIREWAY 4x72 FLUSH COVER	**16.65**	A	1	4.3	32474
4120 GCF	SC WIREWAY 4x120 FLUSH COVER	**25.02**	A	1	7.2	32456
4.0 X 6.0 Painted Straight Sections With Knockouts						
4612 G	12.00" STRAIGHT SECTION W/KO	**24.48**	A	3	12.3	10160
4618 G	18.00" STRAIGHT SECTION W/KO	**29.79**	A	3	19.0	10170
4624 G	24.00" STRAIGHT SECTION W/KO	**34.02**	A	3	25.0	10180
4636 G	36.00" STRAIGHT SECTION W/KO	**48.06**	A	3	38.5	10190
4648 G	48.00" STRAIGHT SECTION W/KO	**61.65**	A	3	55.0	10200
4660 G	60.00" STRAIGHT SECTION W/KO	**76.05**	A	3	66.0	10210
4672 G	72.00" STRAIGHT SECTION W/KO	**81.09**	A	3	73.5	10220

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

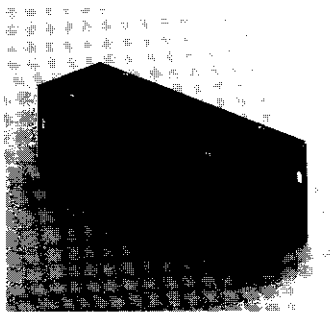
TYPE 1 SCREW COVER WIREWAY - PAINTED (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 X 6.0 Painted Straight Sections Without Knockouts						
4612 G NK	12.00" STRAIGHT SECTION W/O KO	**24.48**	A	3	12.3	46122
4618 G NK	18.00" STRAIGHT SECTION W/O KO	**29.79**	A	3	19.0	46180
4624 G NK	24.00" STRAIGHT SECTION W/O KO	**34.02**	A	3	25.0	46240
4636 G NK	36.00" STRAIGHT SECTION W/O KO	**48.06**	A	3	38.5	46244
4648 G NK	48.00" STRAIGHT SECTION W/O KO	**61.65**	A	3	55.0	46256
4660 G NK	60.00" STRAIGHT SECTION W/O KO	**76.05**	A	3	66.0	46260
4672 G NK	72.00" STRAIGHT SECTION W/O KO	**81.09**	A	3	73.5	46266
4.0 X 6.0 Fittings						
46 C	WIREWAY CONNECTOR 4x6	**6.39**	A	10	5.3	10902
46 E	SC WIREWAY END 4x6	**6.39**	A	20	10.8	10820
46 E NK	SC WIREWAY END W/O KO 4x6	**6.39**	A	20	10.8	46002
46 GF	WIREWAY END FLANGE 4x6	**13.41**	A	10	6.5	10944
46 L COMBO	SC WIREWAY ELBOW 4x6	**45.72**	A	1	3.8	11004
46 L SIDE	SC WIREWAY ELBOW 4x6	**45.72**	A	1	3.8	11005
46 T	SC WIREWAY TEE 4x6	**49.14**	A	1	6.0	10974
46 X	WIREWAY CROSS 4x6	**39.69**	A	1	7.0	46004
4645 L COMBO	WIREWAY ELBOW 45° 4x6	**55.98**	A	1	2.5	46252
4645 L SIDE	WIREWAY ELBOW 45° 4x6	**55.98**	A	1	2.5	46254
4.0 X 6.0 Flush Cover (Optional)						
612 GCF	SC WIREWAY 6x12 FLUSH COVER	**6.66**	A	1	1.5	32476
618 GCF	SC WIREWAY 6x18 FLUSH COVER	**9.09**	A	1	1.3	32480
624 GCF	SC WIREWAY 6x24 FLUSH COVER	**9.09**	A	1	2.7	32482
636 GCF	SC WIREWAY 6x36 FLUSH COVER	**12.15**	A	1	4.0	32484
648 GCF	SC WIREWAY 6x48 FLUSH COVER	**16.56**	A	1	5.4	32486
660 GCF	SC WIREWAY 6x60 FLUSH COVER	**17.82**	A	1	6.8	32488
672 GCF	SC WIREWAY 6x72 FLUSH COVER	**23.04**	A	1	8.1	32494
6120 GCF	SC WIREWAY 6x120 FLUSH COVER	**47.07**	A	1	13.6	32478
6.0 X 6.0 Painted Straight Sections With Knockouts						
6612 G	12.00" STRAIGHT SECTION W/KO	**27.69**	A	2	10.0	10240
6618 G	18.00" STRAIGHT SECTION W/KO	**36.18**	A	2	17.0	10250
6624 G	24.00" STRAIGHT SECTION W/KO	**35.72**	A	2	22.0	10260
6636 G	36.00" STRAIGHT SECTION W/KO	**48.11**	A	2	32.0	10270
6648 G	48.00" STRAIGHT SECTION W/KO	**65.64**	A	2	42.0	10280
6660 G	60.00" STRAIGHT SECTION W/KO	**71.44**	A	2	50.0	10290
6672 G	72.00" STRAIGHT SECTION W/KO	**89.15**	A	2	63.0	10300
66120 G	120.00" STRAIGHT SECTION W/KO	**170.60**	A	2	102.0	10310
6.0 X 6.0 Painted Straight Sections Without Knockouts						
6612 G NK	12.00" STRAIGHT SECTION W/O KO	**27.69**	A	2	10.0	00153
6618 G NK	18.00" STRAIGHT SECTION W/O KO	**36.18**	A	2	17.0	66128
6624 G NK	24.00" STRAIGHT SECTION W/O KO	**35.72**	A	2	22.0	10261
6636 G NK	36.00" STRAIGHT SECTION W/O KO	**48.11**	A	2	32.0	10271
6648 G NK	48.00" STRAIGHT SECTION W/O KO	**65.64**	A	2	42.0	10281
6660 G NK	60.00" STRAIGHT SECTION W/O KO	**71.44**	A	2	50.0	10292
6672 G NK	72.00" STRAIGHT SECTION W/O KO	**89.15**	A	2	63.0	10301
66120 G NK	120.00" STRAIGHT SECTION W/O KO	**170.60**	A	2	102.0	10315

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

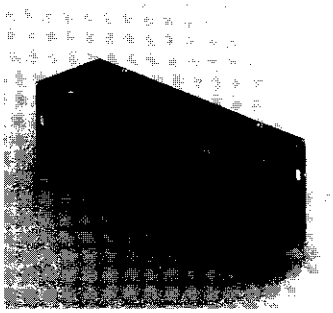
TYPE 1 SCREW COVER WIREWAY - PAINTED (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 X 6.0 Fittings						
4466 FR	REDUCER 4x4 TO 6x6 WIREWAY	**40.85**	A	1	4.0	11072
66 C	WIREWAY CONNECTOR 6x6	**6.71**	A	10	6.0	10903
66 E	SC WIREWAY END 6x6	**6.61**	A	20	14.5	10830
66 E NK	SC WIREWAY END W/O KO 6x6	**6.61**	A	20	14.5	10831
66 FH	WIREWAY HANGER 6x6	**13.40**	A	10	20.0	10924
66 FTF	TELESCOPIC FITTING 6x6	**99.21**	A	1	5.3	11095
66 GF	WIREWAY END FLANGE 6x6	**19.37**	A	10	7.5	10946
66 L COMBO	SC WIREWAY ELBOW 6x6	**42.31**	A	1	6.0	11006
66 L SIDE	SC WIREWAY ELBOW 6x6	**42.31**	A	1	6.0	12412
66 T	SC WIREWAY TEE 6x6	**49.64**	A	1	7.3	10976
66 X	WIREWAY CROSS 6x6	**49.64**	A	1	8.3	11034
6645 L COMBO	WIREWAY ELBOW 45° 6x6	**42.31**	A	1	3.0	11054
6645 L SIDE	WIREWAY ELBOW 45° 6x6	**42.31**	A	1	3.0	11055
6.0 X 6.0 Flush Cover (Optional)						
612 GCF	SC WIREWAY 6x12 FLUSH COVER	**6.66**	A	1	1.5	32476
618 GCF	SC WIREWAY 6x18 FLUSH COVER	**9.09**	A	1	1.3	32480
624 GCF	SC WIREWAY 6x24 FLUSH COVER	**9.09**	A	1	2.7	32482
636 GCF	SC WIREWAY 6x36 FLUSH COVER	**12.15**	A	1	4.0	32484
648 GCF	SC WIREWAY 6x48 FLUSH COVER	**16.56**	A	1	5.4	32486
660 GCF	SC WIREWAY 6x60 FLUSH COVER	**17.82**	A	1	6.8	32488
672 GCF	SC WIREWAY 6x72 FLUSH COVER	**23.04**	A	1	8.1	32494
6120 GCF	SC WIREWAY 6x120 FLUSH COVER	**47.07**	A	1	13.6	32478
8.0 X 8.0 Painted Straight Sections With Knockouts						
8812 G	12.00" STRAIGHT SECTION W/KO	**45.23**	A	1	8.5	10400
8818 G	18.00" STRAIGHT SECTION W/KO	**62.37**	A	1	13.5	10410
8824 G	24.00" STRAIGHT SECTION W/KO	**68.52**	A	1	18.0	10420
8836 G	36.00" STRAIGHT SECTION W/KO	**104.93**	A	1	27.0	10430
8848 G	48.00" STRAIGHT SECTION W/KO	**126.76**	A	1	34.0	10440
8860 G	60.00" STRAIGHT SECTION W/KO	**142.81**	A	1	43.0	10450
8872 G	72.00" STRAIGHT SECTION W/KO	**166.86**	A	1	49.0	10460
88120 G	120.00" STRAIGHT SECTION W/KO	**298.40**	A	1	90.0	10470
8.0 X 8.0 Painted Straight Sections Without Knockouts						
8812 G NK	12.00" STRAIGHT SECTION W/O KO	**45.23**	A	1	8.5	83030
8818 G NK	18.00" STRAIGHT SECTION W/O KO	**62.37**	A	1	13.5	10411
8824 G NK	24.00" STRAIGHT SECTION W/O KO	**68.52**	A	1	18.0	10421
8836 G NK	36.00" STRAIGHT SECTION W/O KO	**104.93**	A	1	27.0	10432
8848 G NK	48.00" STRAIGHT SECTION W/O KO	**126.76**	A	1	34.0	10441
8860 G NK	60.00" STRAIGHT SECTION W/O KO	**142.81**	A	1	43.0	10451
8872 G NK	72.00" STRAIGHT SECTION W/O KO	**166.86**	A	1	49.0	10465
88120 G NK	120.00" STRAIGHT SECTION W/O KO	**298.40**	A	1	90.0	83033

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

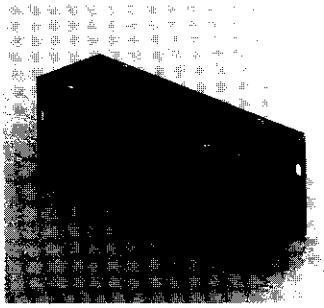
TYPE 1 SCREW COVER WIREWAY - PAINTED (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
8.0 X 8.0 Fittings						
6688 FR	REDUCER 6x6 TO 8x8 WIREWAY	**46.64**	A	1	8.0	11074
88 C	WIREWAY CONNECTOR 8x8	**9.04**	A	5	4.0	10905
88 E	SC WIREWAY END 8x8	**8.89**	A	5	8.3	10850
88 E NK	SC WIREWAY NK END 8x8	**8.89**	A	5	8.3	10851
88 FH	WIREWAY HANGER 8x8	**18.68**	A	10	30.0	10926
88 FTF	TELESCOPIC FITTING 8x8	**128.02**	A	1	7.5	11097
88 GF	WIREWAY END FLANGE 8x8	**27.32**	A	1	1.0	10950
88 L COMBO	SC WIREWAY ELBOW 8x8	**65.64**	A	1	11.5	11010
88 L SIDE	SC WIREWAY ELBOW 8x8	**65.64**	A	1	11.5	12450
88 T	SC WIREWAY TEE 8x8	**140.38**	A	1	13.0	10980
88 X	WIREWAY CROSS 8x8	**78.72**	A	1	13.3	11036
881010 FR	WIREWAY REDUCER 8x8 TO 10x10	**55.88**	A	1	4.0	32512
8845 L COMBO	WIREWAY ELBOW 45° 8x8	**65.64**	A	1	5.0	11056
8845 L SIDE	WIREWAY ELBOW 45° 8x8	**65.64**	A	1	5.0	11057
8.0 X 8.0 Flush Cover (Optional)						
812 GCF	SC WIREWAY 8x12 FLUSH COVER	**11.25**	A	1	1.8	32496
824 GCF	SC WIREWAY 8x24 FLUSH COVER	**17.28**	A	1	3.6	32502
836 GCF	SC WIREWAY 8x36 FLUSH COVER	**25.92**	A	1	5.4	32504
848 GCF	SC WIREWAY 8x48 FLUSH COVER	**30.69**	A	1	7.3	32506
860 GCF	SC WIREWAY 8x60 FLUSH COVER	**39.69**	A	1	9.1	32508
872 GCF	SC WIREWAY 8x72 FLUSH COVER	**50.76**	A	1	12.7	32510
8120 GCF	SC WIREWAY 8x120 FLUSH COVER	**74.52**	A	1	18.2	32498
10.0 X 10.0 Painted Straight Sections With Knockouts						
101024 G	24.00" STRAIGHT SECTION W/KO	**90.81**	A	1	20.0	10560
101036 G	36.00" STRAIGHT SECTION W/KO	**129.14**	A	1	35.0	10570
101048 G	48.00" STRAIGHT SECTION W/KO	**167.48**	A	1	42.0	10580
101060 G	60.00" STRAIGHT SECTION W/KO	**205.81**	A	1	53.0	10590
101072 G	72.00" STRAIGHT SECTION W/KO	**244.14**	A	1	61.0	10600
101096 G2	96.00" 2 PC. STRAIGHT SECTION W/KO	**389.61**	A	1	85.0	14450
1010120 G2	120.00" 2 PC. STRAIGHT SECTION W/KO	**397.48**	A	1	107.0	10987
10.0 X 10.0 Painted Straight Sections Without Knockouts						
101024 G NK	24.00" STRAIGHT SECTION W/O KO	**90.81**	A	1	20.0	10992
101036 G NK	36.00" STRAIGHT SECTION W/O KO	**129.14**	A	1	35.0	10994
101048 G NK	48.00" STRAIGHT SECTION W/O KO	**167.48**	A	1	42.0	22454
101060 G NK	60.00" STRAIGHT SECTION W/O KO	**205.81**	A	1	53.0	22458
101072 G NK	72.00" STRAIGHT SECTION W/O KO	**244.14**	A	1	61.0	22460
10.0 X 10.0 Fittings						
1010 C	WIREWAY CONNECTOR 10x10	**13.69**	A	1	0.8	10907
1010 E	SC WIREWAY END 10x10	**14.10**	A	5	12.8	10870
1010 E NK	SC WIREWAY END NK 10x10	**14.10**	A	5	12.8	10872
1010 FH	WIREWAY HANGER 12x12	**24.62**	A	5	36.0	10873
1010 GF	WIREWAY END FLANGE 10x10	**40.62**	A	1	1.3	10954
1010 L COMBO	SC WIREWAY ELBOW 10x10	**117.88**	A	1	17.0	11014
1010 L SIDE	SC WIREWAY ELBOW 10x10	**89.57**	A	1	15.0	11016
1010 T	SC WIREWAY TEE 10x10	**58.93**	A	1	17.0	10984
1010 X	WIREWAY CROSS 10x10	**117.88**	A	1	16.5	10876
10101212 FR	WW REDUCER 10x10 TO 12x12	**60.98**	A	1	13.5	10989
101045 L COMBO	WIREWAY ELBOW 45° 10x10	**89.64**	A	1	5.0	22450
101045 L SIDE	WIREWAY ELBOW 45° 10x10	**89.64**	A	1	5.0	22452
881010 FR	WIREWAY REDUCER 8x8 TO 10x10	**55.88**	A	1	4.0	32512

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

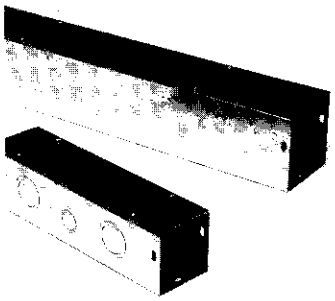
TYPE 1 SCREW COVER WIREWAY - PAINTED (cont.)

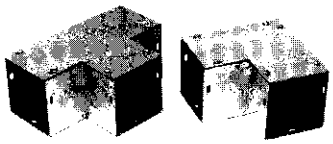


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
10.0 X 10.0 Flush Cover (Optional)						
1024 GCF	SC WIREWAY 10x24 FLUSH COVER	**12.87**	A	1	5.4	32404
1036 GCF	SC WIREWAY 10x36 FLUSH COVER	**19.35**	A	1	7.9	32406
1048 GCF	SC WIREWAY 10x48 FLUSH COVER	**25.83**	A	1	10.4	32408
1060 GCF	SC WIREWAY 10x60 FLUSH COVER	**32.31**	A	1	12.9	32410
1072 GCF	SC WIREWAY 10x72 FLUSH COVER	**38.70**	A	1	15.4	32412
12.0 X 12.0 Painted Straight Sections With Knockouts						
121224 G	24.00" STRAIGHT SECTION W/KO	**120.07**	A	1	25.0	10700
121236 G	36.00" STRAIGHT SECTION W/KO	**178.78**	A	1	38.0	10710
121248 G	48.00" STRAIGHT SECTION W/KO	**214.52**	A	1	50.0	10720
121260 G	60.00" STRAIGHT SECTION W/KO	**248.80**	A	1	63.0	10730
121272 G	72.00" STRAIGHT SECTION W/KO	**314.64**	A	1	72.0	10740
121296 G2	96.00" 2 PC. STRAIGHT SECTION W/KO	**477.90**	A	1	101.0	25640
1212120 G2	120.00" 2 PC. STRAIGHT SECTION W/KO	**517.00**	A	1	128.0	33605
12.0 X 12.0 Painted Straight Sections Without Knockouts						
121224 G NK	24.00" STRAIGHT SECTION W/O KO	**120.07**	A	1	25.0	10705
121236 G NK	36.00" STRAIGHT SECTION W/O KO	**178.78**	A	1	38.0	10715
121248 G NK	48.00" STRAIGHT SECTION W/O KO	**214.52**	A	1	44.5	10725
121260 G NK	60.00" STRAIGHT SECTION W/O KO	**248.80**	A	1	63.0	33650
121272 G NK	72.00" STRAIGHT SECTION W/O KO	**314.64**	A	1	72.0	33655
12.0 X 12.0 Fittings						
10101212 FR	WW REDUCER 10X10 TO 12x12	**60.98**	A	1	3.0	10989
1212 C	WIREWAY CONNECTOR 12x12	**18.90**	A	1	0.8	10909
1212 E	SC WIREWAY END 12x12	**19.87**	A	5	19.0	10890
1212 E NK	SC WIREWAY END NK 12x12	**19.87**	A	5	19.0	10893
1212 FH	WIREWAY HANGER 12x12	**31.53**	A	5	22.5	10896
1212 GF	WIREWAY END FLANGE 12x12	**55.56**	A	1	1.5	10958
1212 L COMBO	SC WIREWAY ELBOW 12x12	**117.24**	A	1	22.0	11018
1212 L SIDE	SC WIREWAY ELBOW 12x12	**117.24**	A	1	22.0	11019
1212 T	SC WIREWAY TEE 12x12	**265.57**	A	1	23.0	10988
1212 X	WIREWAY CROSS 12x12	**161.76**	A	1	15.0	33600
121245 L COMBO	WIREWAY ELBOW 45° 12x12	**117.24**	A	1	10.0	33625
121245 L SIDE	WIREWAY ELBOW 45° 12x12	**117.24**	A	1	10.0	33630
12.0 X 12.0 Flush Cover (Optional)						
1224 GCF	SC WIREWAY 12x24 FLUSH COVER	**15.48**	A	1	6.3	32418
1236 GCF	SC WIREWAY 12x36 FLUSH COVER	**23.22**	A	1	9.2	32420
1248 GCF	SC WIREWAY 12x48 FLUSH COVER	**30.96**	A	1	12.2	32422
1260 GCF	SC WIREWAY 12x60 FLUSH COVER	**38.79**	A	1	15.0	32424
1272 GCF	SC WIREWAY 12x72 FLUSH COVER	**46.53**	A	1	18.0	32426

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

TYPE 1 SCREW COVER WIREWAY- GALVANIZED

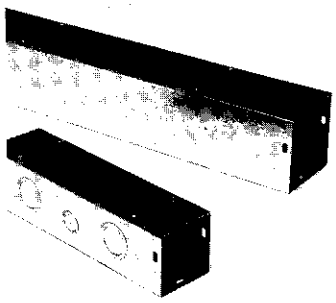


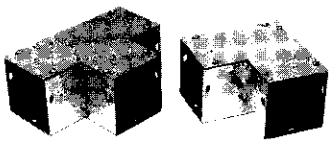


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
3.0 X 3.0 Galvanized Straight Sections With Knockouts						
3312 GGV	12.00" GALV STRAIGHT SECTION W/KO	**13.53**	A	4	7.8	00669
3318 GGV	18.00" GALV STRAIGHT SECTION W/KO	**18.45**	A	4	11.6	00962
3324 GGV	24.00" GALV STRAIGHT SECTION W/KO	**19.52**	A	4	15.5	00671
3336 GGV	36.00" GALV STRAIGHT SECTION W/KO	**27.00**	A	4	29.0	00702
3348 GGV	48.00" GALV STRAIGHT SECTION W/KO	**37.50**	A	4	38.8	00704
3360 GGV	60.00" GALV STRAIGHT SECTION W/KO	**44.96**	A	4	50.5	00706
3372 GGV	72.00" GALV STRAIGHT SECTION W/KO	**59.04**	A	4	60.6	00782
33120 GGV	120.00" GALV STRAIGHT SECTION W/KO	**93.46**	A	4	101.1	00784
3.0 X 3.0 Galvanized Straight Sections Without Knockouts						
3312 GGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**13.53**	A	4	7.8	00688
3318 GGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**18.45**	A	4	11.6	00689
3324 GGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**19.52**	A	4	15.5	00690
3336 GGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**27.00**	A	4	29.0	00703
3348 GGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**37.50**	A	4	38.8	00705
3360 GGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**44.96**	A	4	50.5	00707
3372 GGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**59.04**	A	4	60.6	00783
33120 GGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**93.46**	A	4	101.1	00963
3.0 X 3.0 Fittings						
33 C	WIREWAY CONNECTOR 3x3	**3.77**	A	10	3.5	10900
33 EGV	GALV SC WIREWAY END 3x3	**3.77**	A	20	5.0	00642
33 EGV NK	GALV SC WIREWAY END W/O KO 3x3	**3.77**	A	20	5.0	00643
33 FHGV	GALV SC WIREWAY HANGER 3x3	**5.38**	A	10	10.0	00656
33 GFGV	GALV WIREWAY END FLANGE 3x3	**11.52**	A	20	5.0	07640
33 L COMBOGV	GALV SC WIREWAY ELBOW 3x3	**30.49**	A	1	2.3	00662
33 L SIDEGV	GALV SC WIREWAY ELBOW 3x3	**30.49**	A	1	2.3	00599
33 TGV	GALV SC WIREWAY TEE 3x3	**59.90**	A	1	2.5	00606
33 XGV	GALV SC WIREWAY CROSS 3x3	**36.81**	A	1	4.3	00613
3344 FRGV	GALV REDUCER 3x3 TO 4x4 WIREWAY	**21.01**	A	1	2.5	00637
3345 L COMBOGV	GALV SC WIREWAY ELBOW 45° 3x3	**30.49**	A	1	1.3	00620
3345 L SIDEGV	GALV SC WIREWAY ELBOW 45° 3x3	**30.49**	A	1	1.3	00627
3.0 Flush Covers (Optional)						
312 GCFGV	GALV SC WIREWAY 3x12 FLUSH COVER	**1.98**	A	1	1.0	00883
318 GCFGV	GALV SC WIREWAY 3x18 FLUSH COVER	**2.97**	A	1	1.5	00884
324 GCFGV	GALV SC WIREWAY 3x24 FLUSH COVER	**3.87**	A	1	1.9	00885
336 GCFGV	GALV SC WIREWAY 3x36 FLUSH COVER	**5.85**	A	1	2.7	00886
348 GCFGV	GALV SC WIREWAY 3x48 FLUSH COVER	**7.74**	A	1	3.6	00887
360 GCFGV	GALV SC WIREWAY 3x60 FLUSH COVER	**9.72**	A	1	4.5	00888
372 GCFGV	GALV SC WIREWAY 3x72 FLUSH COVER	**11.61**	A	1	5.3	00889
3120 GCFGV	GALV SC WIREWAY 3x120 FLUSH COVER	**19.35**	A	1	8.9	00890
4.0 X 4.0 Galvanized Straight Sections With Knockouts						
4412 GGV	12.00" GALV STRAIGHT SECTION W/KO	**13.95**	A	4	10.0	00672
4418 GGV	18.00" GALV STRAIGHT SECTION W/KO	**20.52**	A	4	19.6	00673
4424 GGV	24.00" GALV STRAIGHT SECTION W/KO	**22.17**	A	4	26.3	00674
4436 GGV	36.00" GALV STRAIGHT SECTION W/KO	**33.61**	A	4	39.4	00709
4448 GGV	48.00" GALV STRAIGHT SECTION W/KO	**44.96**	A	4	52.6	00711
4460 GGV	60.00" GALV STRAIGHT SECTION W/KO	**47.96**	A	4	65.8	00778
4472 GGV	72.00" GALV STRAIGHT SECTION W/KO	**56.31**	A	4	79.0	00774
44120 GGV	120.00" GALV STRAIGHT SECTION W/KO	**102.90**	A	2	65.8	00964

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

TYPE 1 SCREW COVER WIREWAY - GALVANIZED (cont.)

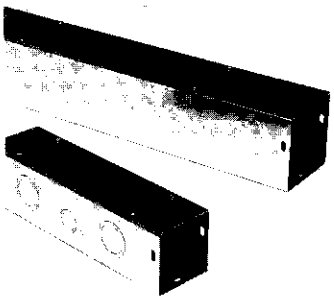


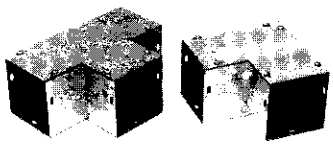


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 X 4.0 Galvanized Straight Sections Without Knockouts						
4412 GGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**13.95**	A	4	10.0	00691
4418 GGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**20.52**	A	4	19.6	00692
4424 GGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**22.17**	A	4	26.3	00693
4436 GGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**33.61**	A	4	39.4	00708
4448 GGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**44.96**	A	4	52.6	00710
4460 GGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**47.96**	A	4	65.8	00712
4472 GGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**56.31**	A	4	79.0	00775
44120 GGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**102.90**	A	2	65.8	00965
4.0 X 4.0 Fittings						
3344 FRGV	GALV REDUCER 3x3 TO 4x4 WIREWAY	**21.01**	A	1	2.5	00637
44 C	WIREWAY CONNECTOR 4x4	**4.51**	A	10	4.5	10901
44 EGV	GALV SC WIREWAY END 4x4	**4.51**	A	20	8.1	00644
44 EGV NK	GALV SC WIREWAY END W/O KO 4x4	**4.51**	A	20	8.1	00645
44 FHGV	GALV SC WIREWAY HANGER 4x4	**7.51**	A	10	13.1	00657
44 FTFGV	GALV TELESCOPIC FITTING 4x4	**54.35**	A	1	3.6	00634
44 GFGV	GALV WIREWAY END FLANGE 4x4	**13.82**	A	20	8.0	07641
44 L COMBOGV	GALV SC WIREWAY ELBOW 4x4	**36.61**	A	2	6.0	00663
44 L SIDEGV	GALV SC WIREWAY ELBOW 4x4	**36.61**	A	2	6.0	00600
44 TGV	GALV SC WIREWAY TEE 4x4	**41.59**	A	1	3.5	00607
44 XGV	GALV SC WIREWAY CROSS 4x4	**41.59**	A	1	6.3	00615
4445 L COMBOGV	GALV SC WIREWAY ELBOW 45° 4x4	**36.61**	A	1	1.5	00621
4445 L SIDEGV	GALV SC WIREWAY ELBOW 45° 4x4	**36.61**	A	1	1.5	00628
4466 FRGV	GALV REDUCER 4x4 TO 6x6 WIREWAY	**40.85**	A	1	4.0	00638
4.0 Flush Covers (Optional)						
412 GCFGV	GALV SC WIREWAY 4x12 FLUSH COVER	**3.42**	A	1	1.5	00891
418 GCFGV	GALV SC WIREWAY 4x18 FLUSH COVER	**5.18**	A	1	1.6	00892
424 GCFGV	GALV SC WIREWAY 4x24 FLUSH COVER	**5.58**	A	1	2.3	00893
436 GCFGV	GALV SC WIREWAY 4x36 FLUSH COVER	**8.82**	A	1	3.3	00894
448 GCFGV	GALV SC WIREWAY 4x48 FLUSH COVER	**10.71**	A	1	4.4	00895
460 GCFGV	GALV SC WIREWAY 4x60 FLUSH COVER	**11.70**	A	1	5.5	00896
472 GCFGV	GALV SC WIREWAY 4x72 FLUSH COVER	**16.65**	A	1	6.5	00897
4120 GCFGV	GALV SC WIREWAY 4x120 FLUSH COVER	**25.02**	A	1	10.8	00898
6.0 X 4.0 Galvanized Straight Sections With Knockouts						
6412 GGV	12.00" GALV STRAIGHT SECTION W/KO	**24.48**	A	3	12.3	00675
6418 GGV	18.00" GALV STRAIGHT SECTION W/KO	**29.79**	A	3	19.0	00676
6424 GGV	24.00" GALV STRAIGHT SECTION W/KO	**34.02**	A	3	25.0	00677
6436 GGV	36.00" GALV STRAIGHT SECTION W/KO	**48.06**	A	3	36.4	00713
6448 GGV	48.00" GALV STRAIGHT SECTION W/KO	**61.65**	A	3	48.6	00715
6460 GGV	60.00" GALV STRAIGHT SECTION W/KO	**76.05**	A	3	60.7	00717
6472 GGV	72.00" GALV STRAIGHT SECTION W/KO	**81.09**	A	3	73.5	00772
64120 GGV	120.00" GALV STRAIGHT SECTION W/KO	**227.50**	A	1	37.0	00785
6.0 X 4.0 Galvanized Straight Sections Without Knockouts						
6412 GGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**24.48**	A	3	12.3	00694
6418 GGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**29.79**	A	3	19.0	00695
6424 GGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**34.02**	A	3	25.0	00696
6436 GGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**48.06**	A	3	36.4	00714
6448 GGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**61.65**	A	3	48.6	00716
6460 GGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**76.05**	A	3	60.7	00966
6472 GGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**81.09**	A	3	73.5	00773
64120 GGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**227.50**	A	1	37.0	00777

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

TYPE 1 SCREW COVER WIREWAY - GALVANIZED (cont.)

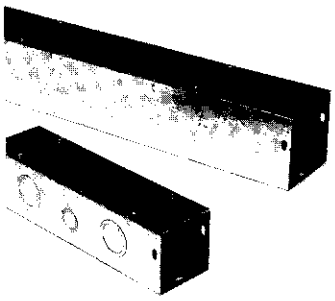


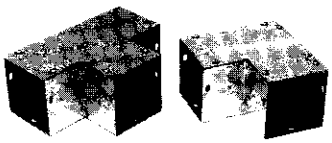


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 X 4.0 Fittings						
46 C	WIREWAY CONNECTOR 4x6	**6.39**	A	10	5.3	10902
64 EGV	GALV SC WIREWAY END 6x4	**6.39**	A	20	11.4	00646
64 EGV NK	GALV SC WIREWAY END W/O KO 6x4	**6.39**	A	20	11.4	00647
64 GFGV	GALV WIREWAY END FLANGE 6x4	**13.41**	A	10	6.5	07439
64 L COMBOGV	GALV SC WIREWAY ELBOW 6x4	**45.72**	A	1	3.8	00664
64 L SIDEGV	GALV SC WIREWAY ELBOW 6x4	**45.72**	A	1	3.8	00601
64 TGV	GALV SC WIREWAY TEE 6x4	**49.14**	A	1	6.0	00608
64 XGV	GALV SC WIREWAY CROSS 6x4	**39.69**	A	1	9.0	00616
6445 L COMBOGV	GALV SC WIREWAY ELBOW 45° 6x4	**55.98**	A	1	2.5	00622
6445 L SIDEGV	GALV SC WIREWAY ELBOW 45° 6x4	**55.98**	A	1	2.5	00629
6.0 Flush Covers (Optional)						
612 GCFGV	GALV SC WIREWAY 6x12 FLUSH COVER	**6.66**	A	1	1.7	00899
618 GCFGV	GALV SC WIREWAY 6x18 FLUSH COVER	**9.09**	A	1	2.4	00900
624 GCFGV	GALV SC WIREWAY 6x24 FLUSH COVER	**9.09**	A	1	3.1	00901
636 GCFGV	GALV SC WIREWAY 6x36 FLUSH COVER	**12.15**	A	1	4.5	00902
648 GCFGV	GALV SC WIREWAY 6x48 FLUSH COVER	**16.56**	A	1	6.0	00903
660 GCFGV	GALV SC WIREWAY 6x60 FLUSH COVER	**17.82**	A	1	7.4	00904
672 GCFGV	GALV SC WIREWAY 6x72 FLUSH COVER	**23.04**	A	1	8.9	00905
6120 GCFGV	GALV SC WIREWAY 6x120 FLUSH COVER	**47.07**	A	1	14.7	00906
6.0 X 6.0 Galvanized Straight Sections With Knockouts						
6612 GGV	12.00" GALV STRAIGHT SECTION W/KO	**27.69**	A	2	10.0	00678
6618 GGV	18.00" GALV STRAIGHT SECTION W/KO	**36.18**	A	2	14.4	00679
6624 GGV	24.00" GALV STRAIGHT SECTION W/KO	**35.72**	A	2	19.2	00680
6636 GGV	36.00" GALV STRAIGHT SECTION W/KO	**48.11**	A	2	29.0	00718
6648 GGV	48.00" GALV STRAIGHT SECTION W/KO	**65.64**	A	2	40.0	00720
6660 GGV	60.00" GALV STRAIGHT SECTION W/KO	**71.44**	A	2	48.0	00722
6672 GGV	72.00" GALV STRAIGHT SECTION W/KO	**89.15**	A	2	63.0	00967
66120 GGV	120.00" GALV STRAIGHT SECTION W/KO	**170.60**	A	2	96.0	00771
6.0 X 6.0 Galvanized Straight Sections Without Knockouts						
6612 GGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**27.69**	A	2	10.0	00697
6618 GGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**36.18**	A	2	14.4	00698
6624 GGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**35.72**	A	2	19.2	00699
6636 GGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**48.11**	A	2	29.0	00719
6648 GGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**65.64**	A	2	40.0	00721
6660 GGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**71.44**	A	2	48.0	00723
6672 GGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**89.15**	A	2	63.0	00770
66120 GGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**170.60**	A	2	96.0	00780
6.0 X 6.0 Fittings						
66 C	WIREWAY CONNECTOR 6x6	**6.71**	A	10	6.0	10903
66 EGV	GALV SC WIREWAY END 6x6	**6.61**	A	20	15.8	00648
66 EGV NK	GALV SC WIREWAY END W/O KO 6x6	**6.61**	A	20	15.8	00649
66 FHGV	GALV SC WIREWAY HANGER 6x6	**13.40**	A	10	22.5	00658
66 FTFGV	GALV TELESCOPIC FITTING 6x6	**99.21**	A	1	5.1	00635
66 GFGV	GALV WIREWAY END FLANGE 6x6	**19.37**	A	10	7.5	01001
66 L COMBOGV	GALV SC WIREWAY ELBOW 6x6	**42.31**	A	1	4.3	00665
66 L SIDEGV	GALV SC WIREWAY ELBOW 6x6	**42.31**	A	1	4.3	00602
66 TGV	GALV SC WIREWAY TEE 6x6	**49.64**	A	1	7.3	00609
66 XGV	GALV SC WIREWAY CROSS 6x6	**49.64**	A	1	8.3	00614
6645 L COMBOGV	GALV SC WIREWAY ELBOW 45° 6x6	**42.31**	A	1	3.0	00623
6645 L SIDEGV	GALV SC WIREWAY ELBOW 45° 6x6	**42.31**	A	1	3.0	00630
6688 FRGV	GALV REDUCER 6x6 TO 8x8 WIREWAY	**46.64**	A	1	8.0	00639

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

TYPE 1 SCREW COVER WIREWAY - GALVANIZED (cont.)

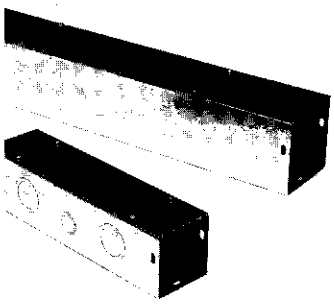


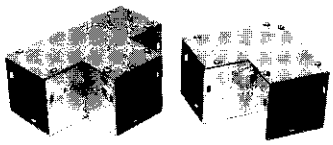


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 Flush Covers (Optional)						
612 GCFGV	GALV SC WIREWAY 6x12 FLUSH COVER	**6.66**	A	1	1.7	00899
618 GCFGV	GALV SC WIREWAY 6x18 FLUSH COVER	**9.09**	A	1	2.4	00900
624 GCFGV	GALV SC WIREWAY 6x24 FLUSH COVER	**9.09**	A	1	3.1	00901
636 GCFGV	GALV SC WIREWAY 6x36 FLUSH COVER	**12.15**	A	1	4.5	00902
648 GCFGV	GALV SC WIREWAY 6x48 FLUSH COVER	**16.56**	A	1	6.0	00903
660 GCFGV	GALV SC WIREWAY 6x60 FLUSH COVER	**17.82**	A	1	7.4	00904
672 GCFGV	GALV SC WIREWAY 6x72 FLUSH COVER	**23.04**	A	1	8.9	00905
6120 GCFGV	GALV SC WIREWAY 6x120 FLUSH COVER	**47.07**	A	1	14.7	00906
8.0 X 8.0 Galvanized Straight Sections With Knockouts						
8812 GGV	12.00" GALV STRAIGHT SECTION W/KO	**45.23**	A	1	6.3	00681
8818 GGV	18.00" GALV STRAIGHT SECTION W/KO	**62.37**	A	1	9.5	00682
8824 GGV	24.00" GALV STRAIGHT SECTION W/KO	**68.52**	A	1	18.0	00683
8836 GGV	36.00" GALV STRAIGHT SECTION W/KO	**104.93**	A	1	21.4	00724
8848 GGV	48.00" GALV STRAIGHT SECTION W/KO	**126.76**	A	1	28.6	00726
8860 GGV	60.00" GALV STRAIGHT SECTION W/KO	**142.81**	A	1	35.7	00728
8872 GGV	72.00" GALV STRAIGHT SECTION W/KO	**166.86**	A	1	42.8	00779
8896 GGV	96.00" GALV STRAIGHT SECTION W/KO	**302.20**	A	1	57.0	00765
88120 GGV	120.00" GALV STRAIGHT SECTION W/KO	**298.40**	A	1	71.5	00781
8.0 X 8.0 Galvanized Straight Sections Without Knockouts						
8812 GGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**45.23**	A	1	6.3	00700
8818 GGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**62.37**	A	1	9.5	00701
8824 GGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**68.52**	A	1	18.0	00968
8836 GGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**104.93**	A	1	21.4	00725
8848 GGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**126.76**	A	1	28.6	00727
8860 GGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**142.81**	A	1	35.7	00729
8872 GGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**166.86**	A	1	42.8	00764
88120 GGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**298.40**	A	1	71.5	00776
8.0 X 8.0 Fittings						
6688 FRGV	GALV REDUCER 6x6 TO 8x8 WIREWAY	**46.64**	A	1	8.0	00639
88 C	WIREWAY CONNECTOR 8x8	**9.04**	A	5	4.0	10905
88 EGV	GALV SC WIREWAY END 8x8	**8.89**	A	5	7.5	00650
88 EGV NK	GALV SC WIREWAY END W/O KO 8x8	**8.89**	A	5	7.5	00651
88 FHGV	GALV SC WIREWAY HANGER 8x8	**18.68**	A	10	30.0	00659
88 FTFGV	GALV TELESCOPIC FITTING 8x8	**128.02**	A	1	7.5	00636
88 GFGV	GALV WIREWAY END FLANGE 8x8	**27.32**	A	1	1.0	07438
88 L COMBOGV	GALV SC WIREWAY ELBOW 8x8	**65.64**	A	1	9.9	00666
88 L SIDEGV	GALV SC WIREWAY ELBOW 8x8	**65.64**	A	1	9.9	00603
88 TGV	GALV SC WIREWAY TEE 8x8	**140.38**	A	1	11.8	00610
88 XGV	GALV SC WIREWAY CROSS 8x8	**78.72**	A	1	11.8	00617
881010 FRGV	GALV REDUCER 8x8 TO 10x10 WIREWAY	**55.88**	A	1	9.0	00640
8845 L COMBOGV	GALV SC WIREWAY ELBOW 45° 8x8	**65.64**	A	1	5.0	00624
8845 L SIDEGV	GALV SC WIREWAY ELBOW 45° 8x8	**65.64**	A	1	5.0	00631
8.0 Flush Covers (Optional)						
812 GCFGV	GALV SC WIREWAY 8x12 FLUSH COVER	**11.25**	A	1	2.4	00907
818 GCFGV	GALV SC WIREWAY 8x18 FLUSH COVER	**14.04**	A	1	3.4	00908
824 GCFGV	GALV SC WIREWAY 8x24 FLUSH COVER	**17.28**	A	1	4.4	00909
836 GCFGV	GALV SC WIREWAY 8x36 FLUSH COVER	**25.92**	A	1	6.5	00910
848 GCFGV	GALV SC WIREWAY 8x48 FLUSH COVER	**30.69**	A	1	8.5	00911
860 GCFGV	GALV SC WIREWAY 8x60 FLUSH COVER	**39.69**	A	1	10.6	00912
872 GCFGV	GALV SC WIREWAY 8x72 FLUSH COVER	**50.76**	A	1	12.7	00913
8120 GCFGV	GALV SC WIREWAY 8x120 FLUSH COVER	**74.52**	A	1	21.0	00914

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

TYPE 1 SCREW COVER WIREWAY - GALVANIZED (cont.)

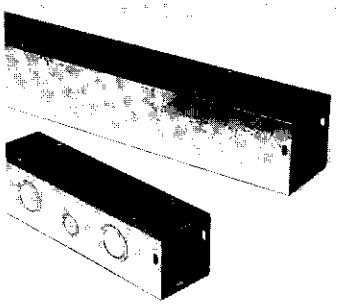


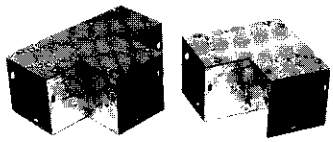


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
10.0 X 10.0 Galvanized Straight Sections With Knockouts						
101024 GGV	24.00" GALV STRAIGHT SECTION W/KO	**90.81**	A	1	16.5	00686
101036 GGV	36.00" GALV STRAIGHT SECTION W/KO	**129.14**	A	1	26.5	00730
101048 GGV	48.00" GALV STRAIGHT SECTION W/KO	**167.48**	A	1	35.4	00732
101060 GGV	60.00" GALV STRAIGHT SECTION W/KO	**205.81**	A	1	44.0	00734
101072 GGV	72.00" GALV STRAIGHT SECTION W/KO	**244.14**	A	1	53.2	00769
10.0 X 10.0 Galvanized Straight Sections Without Knockouts						
101024 GGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**90.81**	A	1	15.8	00687
101036 GGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**129.14**	A	1	26.5	00731
101048 GGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**167.48**	A	1	35.4	00733
101060 GGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**205.81**	A	1	44.0	00735
101072 GGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**244.14**	A	1	53.2	00768
10.0 X 10.0 Fittings						
881010 FRGV	GALV REDUCER 8x8 TO 10x10 WIREWAY	**55.88**	A	1	9.0	00640
1010 C	WIREWAY CONNECTOR 10x10	**13.69**	A	1	0.8	10907
1010 EGV	GALV SC WIREWAY END 10x10	**14.10**	A	5	11.2	00652
1010 EGV NK	GALV SC WIREWAY END W/O KO 10x10	**14.10**	A	5	11.2	00653
1010 FHGV	GALV SC WIREWAY HANGER 10x10	**24.62**	A	5	18.3	00660
1010 GFGV	GALV WIREWAY END FLANGE 10x10	**40.62**	A	1	1.3	00999
1010 L COMBOGV	GALV SC WIREWAY ELBOW 10x10	**117.88**	A	1	13.3	00667
1010 L SIDEGV	GALV SC WIREWAY ELBOW 10x10	**89.57**	A	1	12.6	00604
1010 TGV	GALV SC WIREWAY TEE 10x10	**58.93**	A	1	17.0	00611
1010 XGV	GALV SC WIREWAY CROSS 10x10	**117.88**	A	1	14.0	00618
10101212 FRGV	GALV REDUCER 10x10 TO 12x12 WIREWAY	**60.98**	A	1	13.5	00641
101045 L COMBOGV	GALV SC WIREWAY ELBOW 45° 10x10	**89.64**	A	1	5.0	00625
101045 L SIDEGV	GALV SC WIREWAY ELBOW 45° 10x10	**89.64**	A	1	5.0	00632
10.0 Flush Covers (Optional)						
1024 GCFGV	GALV SC WIREWAY 10x24 FLUSH COVER	**12.87**	A	1	5.4	00915
1036 GCFGV	GALV SC WIREWAY 10x36 FLUSH COVER	**19.35**	A	1	7.9	00916
1048 GCFGV	GALV SC WIREWAY 10x48 FLUSH COVER	**25.83**	A	1	10.4	00917
1060 GCFGV	GALV SC WIREWAY 10x60 FLUSH COVER	**32.31**	A	1	12.9	00973
1072 GCFGV	GALV SC WIREWAY 10x72 FLUSH COVER	**38.70**	A	1	15.4	00918
12.0 X 12.0 Galvanized Straight Sections With Knockouts						
121224 GGV	24.00" GALV STRAIGHT SECTION W/KO	**120.07**	A	1	21.1	00684
121236 GGV	36.00" GALV STRAIGHT SECTION W/KO	**178.78**	A	1	31.4	00736
121248 GGV	48.00" GALV STRAIGHT SECTION W/KO	**214.52**	A	1	42.2	00738
121260 GGV	60.00" GALV STRAIGHT SECTION W/KO	**248.80**	A	1	53.0	00740
121272 GGV	72.00" GALV STRAIGHT SECTION W/KO	**314.64**	A	1	63.4	00767
12.0 X 12.0 Galvanized Straight Sections Without Knockouts						
121224 GGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**120.07**	A	1	21.1	00685
121236 GGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**178.78**	A	1	31.4	00737
121248 GGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**214.52**	A	1	42.2	00739
121260 GGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**248.80**	A	1	53.0	00741
121272 GGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**314.64**	A	1	63.4	00766

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

TYPE 1 SCREW COVER WIREWAY - GALVANIZED (cont.)

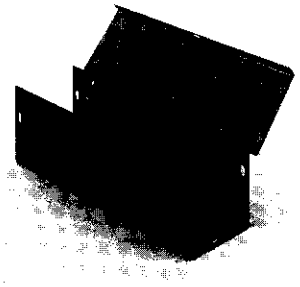




CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
12.0 X 12.0 Fittings						
10101212 FRGV	GALV REDUCER 10x10 TO 12x12 WIREWAY	**60.98**	A	1	13.5	00641
1212 C	WIREWAY CONNECTOR 12x12	**18.90**	A	1	0.8	10909
1212 EGV	GALV SC WIREWAY END 12x12	**19.87**	A	5	15.5	00655
1212 EGV NK	GALV SC WIREWAY END W/O KO 12x12	**19.87**	A	5	15.5	00654
1212 FHGV	GALV SC WIREWAY HANGER 12x12	**31.53**	A	5	21.1	00661
1212 GFGV	GALV WIREWAY END FLANGE 12x12	**55.56**	A	1	1.5	01000
1212 L COMBOGV	GALV SC WIREWAY ELBOW 12x12	**117.24**	A	1	18.3	00668
1212 L SIDEGV	GALV SC WIREWAY ELBOW 12x12	**117.24**	A	1	18.3	00605
1212 TGV	GALV SC WIREWAY TEE 12x12	**265.57**	A	1	19.6	00612
1212 XGV	GALV SC WIREWAY CROSS 12x12	**161.76**	A	1	20.6	00619
121245 L COMBOGV	GALV SC WIREWAY ELBOW 45° 12x12	**117.24**	A	1	10.0	00626
121245 L SIDEGV	GALV SC WIREWAY ELBOW 45° 12x12	**117.24**	A	1	10.0	00633
12.0 Flush Covers (Optional)						
1224 GCFGV	GALV SC WIREWAY 12x24 FLUSH COVER	**15.48**	A	1	6.3	00919
1236 GCFGV	GALV SC WIREWAY 12x36 FLUSH COVER	**23.22**	A	1	9.2	00920
1248 GCFGV	GALV SC WIREWAY 12x48 FLUSH COVER	**30.96**	A	1	12.2	00921
1260 GCFGV	GALV SC WIREWAY 12x60 FLUSH COVER	**38.79**	A	1	15.0	00922
1272 GCFGV	GALV SC WIREWAY 12x72 FLUSH COVER	**46.53**	A	1	18.0	00923

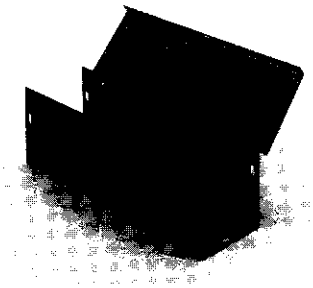
NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

TYPE 1
HINGE COVER
WIREWAY - PAINTED



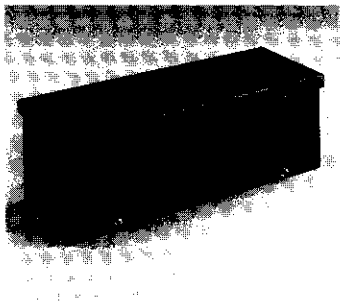
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
3.0 X 3.0 Painted Straight Sections Without Knockouts						
3312 F NK	12.00" STRAIGHT SECTION W/O KO	**13.53**	A	4	2.5	30180
3324 F NK	24.00" STRAIGHT SECTION W/O KO	**19.52**	A	4	6.0	30205
3336 F NK	36.00" STRAIGHT SECTION W/O KO	**27.00**	A	4	8.5	32444
3348 F NK	48.00" STRAIGHT SECTION W/O KO	**37.50**	A	4	11.5	30225
3360 F NK	60.00" STRAIGHT SECTION W/O KO	**44.96**	A	4	14.5	30240
33120 F NK	120.00" STRAIGHT SECTION W/O KO	**93.46**	A	4	101.0	30190
3.0 X 3.0 Fittings						
33 C	WIREWAY CONNECTOR 3x3	**3.77**	A	10	3.5	10900
33 FE NK	HC WIREWAY END W/O KO 3x3	**3.77**	A	10	4.5	30155
33 FH	WIREWAY HANGER 3x3	**5.38**	A	10	10.0	10920
33 FL IN	HC WIREWAY ELB INSIDE 3x3	**30.49**	A	1	2.0	30160
33 FL OUT	HC WIREWAY ELB OUTSIDE 3x3	**30.49**	A	1	2.0	30165
33 FL SIDE	HC WIREWAY ELB SIDE 3x3	**30.49**	A	1	2.0	30170
33 FT	HC WIREWAY TEE 3x3	**59.90**	A	1	2.5	30175
33 GF	WIREWAY END FLANGE 3x3	**11.52**	A	1	0.3	10940
3344 FR	REDUCER 3x3 TO 4x4 WIREWAY	**21.01**	A	1	2.5	11070
3345 L COMBO	WIREWAY ELBOW 45° 3x3	**30.49**	A	1	1.3	11050
3345 L SIDE	WIREWAY ELBOW 45° 3x3	**30.49**	A	1	1.3	11051
4.0 X 4.0 Painted Straight Sections With Knockouts						
4412 F	12.00" STRAIGHT SECTION W/KO	**13.95**	A	4	14.0	12070
4424 F	24.00" STRAIGHT SECTION W/KO	**22.17**	A	4	28.0	12080
4436 F	36.00" STRAIGHT SECTION W/KO	**33.61**	A	4	40.0	12090
4448 F	48.00" STRAIGHT SECTION W/KO	**44.96**	A	4	54.5	12100
4460 F	60.00" STRAIGHT SECTION W/KO	**47.96**	A	4	58.0	12110
44120 F	120.00" STRAIGHT SECTION W/KO	**102.90**	A	2	66.0	12130
4.0 X 4.0 Painted Straight Sections Without Knockouts						
4412 F NK	12.00" STRAIGHT SECTION W/O KO	**13.95**	A	4	14.0	44012
4424 F NK	24.00" STRAIGHT SECTION W/O KO	**22.17**	A	4	28.0	44186
4436 F NK	36.00" STRAIGHT SECTION W/O KO	**33.61**	A	4	40.0	44360
4448 F NK	48.00" STRAIGHT SECTION W/O KO	**44.96**	A	4	54.5	44480
4460 F NK	60.00" STRAIGHT SECTION W/O KO	**47.96**	A	4	58.0	44600
44120 F NK	120.00" STRAIGHT SECTION W/O KO	**102.90**	A	2	66.0	44022
4.0 X 4.0 Fittings						
3344 FR	REDUCER 3x3 TO 4x4 WIREWAY	**21.01**	A	1	2.5	11070
44 C	WIREWAY CONNECTOR 4x4	**4.51**	A	10	4.5	10901
44 FE	HC WIREWAY END 4x4	**4.51**	A	10	4.5	12310
44 FE NK	HC WIREWAY END W/O KO 4x4	**4.51**	A	10	4.5	44000
44 FH	WIREWAY HANGER 4x4	**7.51**	A	10	15.0	10922
44 FL IN	HC WIREWAY ELB INSIDE 4x4	**36.61**	A	1	3.0	12402
44 FL OUT	HC WIREWAY ELB OUTSIDE 4x4	**36.61**	A	1	3.0	12430
44 FL SIDE	HC WIREWAY ELB SIDE 4x4	**36.61**	A	1	3.0	12435
44 FT	HC WIREWAY TEE 4x4	**68.24**	A	1	3.5	12422
44 FTF	TELESCOPIC FITTING 4x4	**54.35**	A	1	4.3	11093
44 GF	WIREWAY END FLANGE 4x4	**13.82**	A	10	4.0	10942
4445 L COMBO	WIREWAY ELBOW 45° 4x4	**36.61**	A	1	1.5	11052
4445 L SIDE	WIREWAY ELBOW 45° 4x4	**36.61**	A	1	1.5	11053
4466 FR	REDUCER 4x4 TO 6x6 WIREWAY	**40.85**	A	1	4.0	11072
6.0 X 6.0 Painted Straight Sections With Knockouts						
6612 F	12.00" STRAIGHT SECTION W/KO	**27.69**	A	2	10.0	12140
6624 F	24.00" STRAIGHT SECTION W/KO	**35.72**	A	2	22.0	12150
6636 F	36.00" STRAIGHT SECTION W/KO	**48.11**	A	2	32.0	12160
6648 F	48.00" STRAIGHT SECTION W/KO	**65.64**	A	2	42.0	12170
6660 F	60.00" STRAIGHT SECTION W/KO	**71.44**	A	2	50.0	12180
66120 F	120.00" STRAIGHT SECTION W/KO	**170.60**	A	2	102.0	12200

TYPE 1 HINGE COVER WIREWAY - PAINTED (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 X 6.0 Painted Straight Sections Without Knockouts						
6612 F NK	12.00" STRAIGHT SECTION W/O KO	**27.69**	A	2	10.0	66120
6624 F NK	24.00" STRAIGHT SECTION W/O KO	**35.72**	A	2	22.0	66132
6636 F NK	36.00" STRAIGHT SECTION W/O KO	**48.11**	A	2	32.0	66136
6648 F NK	48.00" STRAIGHT SECTION W/O KO	**65.64**	A	2	42.0	66480
6660 F NK	60.00" STRAIGHT SECTION W/O KO	**71.44**	A	2	50.0	66486
66120 F NK	120.00" STRAIGHT SECTION W/O KO	**170.60**	A	2	102.0	66126
6.0 X 6.0 Fittings						
4466 FR	REDUCER 4x4 TO 6x6 WIREWAY	**40.85**	A	1	4.0	11072
66 C	WIREWAY CONNECTOR 6x6	**6.71**	A	10	6.0	10903
66 FE	HC WIREWAY END 6x6	**6.61**	A	10	6.0	12320
66 FE NK	HC WIREWAY END W/O KO 6x6	**6.61**	A	10	6.0	66000
66 FH	WIREWAY HANGER 6x6	**13.40**	A	10	20.0	10924
66 FL IN	HC WIREWAY ELB INSIDE 6x6	**42.31**	A	1	5.0	12404
66 FL OUT	HC WIREWAY ELB OUTSIDE 6x6	**42.31**	A	1	5.0	12408
66 FL SIDE	HC WIREWAY ELB SIDE 6x6	**42.31**	A	1	5.0	12410
66 FT	HC WIREWAY TEE 6x6	**79.21**	A	1	7.3	12424
66 FTF	TELESCOPIC FITTING 6x6	**99.21**	A	1	5.3	11095
66 GF	WIREWAY END FLANGE 6x6	**19.37**	A	10	7.5	10946
6645 L COMBO	WIREWAY ELBOW 45° 6x6	**42.31**	A	1	3.0	11054
6645 L SIDE	WIREWAY ELBOW 45° 6x6	**42.31**	A	1	3.0	11055
6688 FR	REDUCER 6x6 TO 8x8 WIREWAY	**46.64**	A	1	8.0	11074
8.0 X 8.0 Painted Straight Sections With Knockouts						
8812 F	12.00" STRAIGHT SECTION W/KO	**45.23**	A	1	8.5	12210
8824 F	24.00" STRAIGHT SECTION W/KO	**68.52**	A	1	18.0	12220
8836 F	36.00" STRAIGHT SECTION W/KO	**104.93**	A	1	27.0	12230
8848 F	48.00" STRAIGHT SECTION W/KO	**126.76**	A	1	34.0	12240
8860 F	60.00" STRAIGHT SECTION W/KO	**142.81**	A	1	43.0	12250
88120 F	120.00" STRAIGHT SECTION W/KO	**298.40**	A	1	90.0	12270
8.0 X 8.0 Painted Straight Sections Without Knockouts						
8812 F NK	12.00" STRAIGHT SECTION W/O KO	**45.23**	A	1	8.5	83028
8824 F NK	24.00" STRAIGHT SECTION W/O KO	**68.52**	A	1	18.0	32516
8836 F NK	36.00" STRAIGHT SECTION W/O KO	**104.93**	A	1	27.0	88360
8848 F NK	48.00" STRAIGHT SECTION W/O KO	**126.76**	A	1	34.0	88480
8860 F NK	60.00" STRAIGHT SECTION W/O KO	**142.81**	A	1	43.0	88612
88120 F NK	120.00" STRAIGHT SECTION W/O KO	**298.40**	A	1	90.0	83032
8.0 X 8.0 Fittings						
6688 FR	REDUCER 6x6 TO 8x8 WIREWAY	**46.64**	A	1	8.0	11074
88 C	WIREWAY CONNECTOR 8x8	**9.04**	A	5	4.0	10905
88 FE	HC WIREWAY END 8x8	**8.89**	A	10	18.0	12330
88 FE NK	HC WIREWAY END W/O KO 8x8	**8.89**	A	10	18.0	83022
88 FH	WIREWAY HANGER 8x8	**18.68**	A	10	30.0	10926
88 FL IN	HC WIREWAY ELB INSIDE 8x8	**65.50**	A	1	7.0	12406
88 FL OUT	HC WIREWAY ELB OUTSIDE 8x8	**65.50**	A	1	11.0	12416
88 FL SIDE	HC WIREWAY ELB SIDE 8x8	**65.50**	A	1	7.0	12418
88 FT	HC WIREWAY TEE 8x8	**140.38**	A	1	13.0	12426
88 FTF	TELESCOPIC FITTING 8x8	**128.02**	A	1	7.5	11097
88 GF	WIREWAY END FLANGE 8x8	**27.32**	A	1	1.0	10950
8845 L COMBO	WIREWAY ELBOW 45° 8x8	**65.64**	A	1	5.0	11056
8845 L SIDE	WIREWAY ELBOW 45° 8x8	**65.64**	A	1	5.0	11057

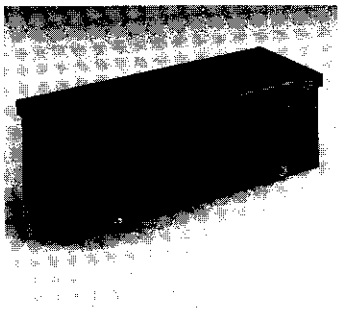
TYPE 3R SCREW COVER WIREWAY - PAINTED



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 X 4.0 Painted Straight Sections With Knockouts						
4412 GRT	12.00" STRAIGHT SECTION W/KO	**39.54**	A	4	18.5	14060
4418 GRT	18.00" STRAIGHT SECTION W/KO	**48.69**	A	4	25.0	14063
4424 GRT	24.00" STRAIGHT SECTION W/KO	**56.16**	A	4	31.5	14070
4436 GRT	36.00" STRAIGHT SECTION W/KO	**72.85**	A	4	47.5	14077
4448 GRT	48.00" STRAIGHT SECTION W/KO	**89.33**	A	4	63.0	14084
4460 GRT	60.00" STRAIGHT SECTION W/KO	**105.97**	A	4	80.0	14091
4472 GRT	72.00" STRAIGHT SECTION W/KO	**131.13**	A	4	92.5	14098
4496 GRT	96.00" STRAIGHT SECTION W/KO	**156.70**	A	1	30.5	02894
44120 GRT	120.00" STRAIGHT SECTION W/KO	**183.60**	A	1	39.0	01893
4.0 X 4.0 Painted Straight Sections Without Knockouts						
4412 GRT NK	12.00" STRAIGHT SECTION W/O KO	**39.54**	A	4	18.5	44018
4418 GRT NK	18.00" STRAIGHT SECTION W/O KO	**48.69**	A	4	25.0	44182
4424 GRT NK	24.00" STRAIGHT SECTION W/O KO	**56.16**	A	4	31.5	14071
4436 GRT NK	36.00" STRAIGHT SECTION W/O KO	**72.85**	A	4	47.5	14078
4448 GRT NK	48.00" STRAIGHT SECTION W/O KO	**89.33**	A	4	63.0	14085
4460 GRT NK	60.00" STRAIGHT SECTION W/O KO	**105.97**	A	4	80.0	14092
4472 GRT NK	72.00" STRAIGHT SECTION W/O KO	**131.13**	A	4	92.5	14099
4496 GRT NK	96.00" STRAIGHT SECTION W/O KO	**156.70**	A	1	60.0	01024
44120 GRT NK	120.00" STRAIGHT SECTION W/O KO	**183.60**	A	1	69.0	01022
4.0 X 6.0 Painted Straight Sections With Knockouts						
4612 GRT	12.00" STRAIGHT SECTION W/KO	**46.53**	A	3	15.0	14120
4618 GRT	18.00" STRAIGHT SECTION W/KO	**54.72**	A	3	23.0	14127
4624 GRT	24.00" STRAIGHT SECTION W/KO	**59.04**	A	3	30.0	14134
4636 GRT	36.00" STRAIGHT SECTION W/KO	**86.76**	A	3	45.0	14141
4648 GRT	48.00" STRAIGHT SECTION W/KO	**108.54**	A	3	60.0	14148
4660 GRT	60.00" STRAIGHT SECTION W/KO	**139.95**	A	3	75.0	46262
4672 GRT	72.00" STRAIGHT SECTION W/KO	**159.84**	A	3	90.0	46268
4.0 X 6.0 Painted Straight Sections Without Knockouts						
4612 GRT NK	12.00" STRAIGHT SECTION W/O KO	**46.53**	A	3	15.0	46124
4618 GRT NK	18.00" STRAIGHT SECTION W/O KO	**54.72**	A	3	23.0	32472
4624 GRT NK	24.00" STRAIGHT SECTION W/O KO	**59.04**	A	3	30.0	46242
4636 GRT NK	36.00" STRAIGHT SECTION W/O KO	**86.76**	A	3	45.0	46246
4648 GRT NK	48.00" STRAIGHT SECTION W/O KO	**108.54**	A	3	60.0	46258
4660 GRT NK	60.00" STRAIGHT SECTION W/O KO	**139.95**	A	3	75.0	46264
4672 GRT NK	72.00" STRAIGHT SECTION W/O KO	**159.84**	A	3	90.0	46270
6.0 X 6.0 Painted Straight Sections With Knockouts						
6612 GRT	12.00" STRAIGHT SECTION W/KO	**51.33**	A	2	15.0	14181
6618 GRT	18.00" STRAIGHT SECTION W/KO	**66.33**	A	2	19.0	14183
6624 GRT	24.00" STRAIGHT SECTION W/KO	**76.20**	A	2	24.5	14190
6636 GRT	36.00" STRAIGHT SECTION W/KO	**101.12**	A	2	38.0	14197
6648 GRT	48.00" STRAIGHT SECTION W/KO	**125.99**	A	2	47.0	14204
6660 GRT	60.00" STRAIGHT SECTION W/KO	**150.91**	A	2	56.0	14211
6672 GRT	72.00" STRAIGHT SECTION W/KO	**175.75**	A	2	67.0	14218
66120 GRT	120.00" STRAIGHT SECTION W/KO	**274.77**	A	1	53.5	02898

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

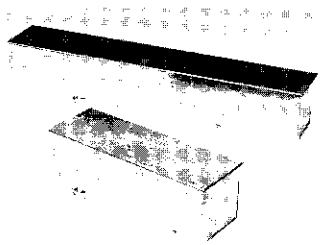
TYPE 3R SCREW COVER WIREWAY - PAINTED (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 X 6.0 Painted Straight Sections Without Knockouts						
6612 GRT NK	12.00" STRAIGHT SECTION W/O KO	**51.33**	A	2	15.0	66124
6618 GRT NK	18.00" STRAIGHT SECTION W/O KO	**66.33**	A	2	19.0	66130
6624 GRT NK	24.00" STRAIGHT SECTION W/O KO	**76.20**	A	2	24.5	14191
6636 GRT NK	36.00" STRAIGHT SECTION W/O KO	**101.12**	A	2	38.0	66138
6648 GRT NK	48.00" STRAIGHT SECTION W/O KO	**125.99**	A	2	47.0	14205
6660 GRT NK	60.00" STRAIGHT SECTION W/O KO	**150.91**	A	2	56.0	14212
6672 GRT NK	72.00" STRAIGHT SECTION W/O KO	**175.75**	A	2	67.0	14219
6696 GRT NK	96.00" STRAIGHT SECTION W/O KO	**394.11**	A	2	110.0	10755
66120 GRT NK	120.00" STRAIGHT SECTION W/O KO	**274.77**	A	2	134.0	00368
8.0 X 8.0 Painted Straight Sections With Knockouts						
8812 GRT	12.00" STRAIGHT SECTION W/KO	**69.30**	A	1	12.0	14295
8818 GRT	18.00" STRAIGHT SECTION W/KO	**104.76**	A	1	17.0	14297
8824 GRT	24.00" STRAIGHT SECTION W/KO	**102.18**	A	1	20.5	14309
8836 GRT	36.00" STRAIGHT SECTION W/KO	**136.61**	A	1	29.5	14314
8848 GRT	48.00" STRAIGHT SECTION W/KO	**171.05**	A	1	38.0	14321
8860 GRT	60.00" STRAIGHT SECTION W/KO	**205.68**	A	1	47.5	14328
8872 GRT	72.00" STRAIGHT SECTION W/KO	**280.44**	A	1	56.0	14335
8.0 X 8.0 Painted Straight Sections Without Knockouts						
8812 GRT NK	12.00" STRAIGHT SECTION W/O KO	**69.30**	A	1	12.0	32514
8818 GRT NK	18.00" STRAIGHT SECTION W/O KO	**104.76**	A	1	14.5	88180
8824 GRT NK	24.00" STRAIGHT SECTION W/O KO	**102.18**	A	1	20.5	88240
8836 GRT NK	36.00" STRAIGHT SECTION W/O KO	**136.61**	A	1	29.5	14316
8848 GRT NK	48.00" STRAIGHT SECTION W/O KO	**171.05**	A	1	38.0	14322
8860 GRT NK	60.00" STRAIGHT SECTION W/O KO	**205.68**	A	1	47.5	14330
8872 GRT NK	72.00" STRAIGHT SECTION W/O KO	**280.44**	A	1	56.0	88720
8896 GRT NK	96.00" STRAIGHT SECTION W/O KO	**557.64**	A	1	75.0	14338
88120 GRT NK	120.00" STRAIGHT SECTION W/O KO	**369.07**	A	1	74.5	83036
10.0 X 10.0 Painted Straight Sections Without Knockouts						
101024 GRT NK	24.00" STRAIGHT SECTION W/O/KO	**223.56**	A	1	28.1	10750
101036 GRT NK	36.00" STRAIGHT SECTION W/O/KO	**322.47**	A	1	39.0	14426
101048 GRT NK	48.00" STRAIGHT SECTION W/O/KO	**424.89**	A	1	52.0	14433
101060 GRT NK	60.00" STRAIGHT SECTION W/O/KO	**522.90**	A	1	63.0	11440
101072 GRT NK	72.00" STRAIGHT SECTION W/O/KO	**638.10**	A	1	71.0	14447
101096 GRT NK	96.00" STRAIGHT SECTION W/O/KO	**893.79**	A	1	95.0	22464
1010120 GRT NK	120.00" STRAIGHT SECTION W/O/KO	**833.13**	A	1	93.0	32400
12.0 X 12.0 Painted Straight Sections Without Knockouts						
121224 GRT NK	24.00" STRAIGHT SECTION W/O/KO	**256.77**	A	1	34.7	10745
121236 GRT NK	36.00" STRAIGHT SECTION W/O/KO	**421.38**	A	1	47.3	14475
121248 GRT NK	48.00" STRAIGHT SECTION W/O/KO	**498.78**	A	1	60.0	14482
121260 GRT NK	60.00" STRAIGHT SECTION W/O/KO	**624.96**	A	1	74.0	14489
121272 GRT NK	72.00" STRAIGHT SECTION W/O/KO	**749.52**	A	1	80.0	14496
121296 GRT NK	96.00" STRAIGHT SECTION W/O/KO	**1049.40**	A	1	110.0	33665
1212120 GRT NK	120.00" STRAIGHT SECTION W/O/KO	**1223.10**	A	1	138.0	33610

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

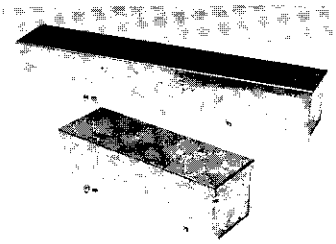
TYPE 3R SCREW COVER WIREWAY-GALVANIZED



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 X 4.0 Galvanized Straight Sections With Knockouts						
4412 GRTGV	12.00" GALV STRAIGHT SECTION W/KO	**39.54**	A	4	20.0	00786
4418 GRTGV	18.00" GALV STRAIGHT SECTION W/KO	**48.69**	A	4	28.0	00787
4424 GRTGV	24.00" GALV STRAIGHT SECTION W/KO	**56.16**	A	4	34.0	00788
4436 GRTGV	36.00" GALV STRAIGHT SECTION W/KO	**72.85**	A	4	48.0	00789
4448 GRTGV	48.00" GALV STRAIGHT SECTION W/KO	**89.33**	A	4	62.0	00790
4460 GRTGV	60.00" GALV STRAIGHT SECTION W/KO	**105.97**	A	4	76.0	00791
4472 GRTGV	72.00" GALV STRAIGHT SECTION W/KO	**131.13**	A	4	90.0	00792
4496 GRTGV	96.00" GALV STRAIGHT SECTION W/KO	**156.70**	A	1	30.5	01030
44120 GRTGV	120.00" GALV STRAIGHT SECTION W/KO	**183.60**	A	1	37.5	01019
4.0 X 4.0 Galvanized Straight Sections Without Knockouts						
4412 GRTGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**39.54**	A	4	20.0	00826
4418 GRTGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**48.69**	A	4	28.0	00825
4424 GRTGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**56.16**	A	4	34.0	00824
4436 GRTGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**72.85**	A	4	48.0	00823
4448 GRTGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**89.33**	A	4	62.0	00822
4460 GRTGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**105.97**	A	4	76.0	00821
4472 GRTGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**131.13**	A	4	90.0	00820
4496 GRTGV NK	96.00" GALV STRAIGHT SECTION W/O KO	**156.70**	A	2	61.0	01020
44120 GRTGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**183.60**	A	2	75.0	01002
6.0 X 4.0 Galvanized Straight Sections With Knockouts						
6412 GRTGV	12.00" GALV STRAIGHT SECTION W/KO	**46.53**	A	3	18.0	00793
6418 GRTGV	18.00" GALV STRAIGHT SECTION W/KO	**54.72**	A	3	24.0	00794
6424 GRTGV	24.00" GALV STRAIGHT SECTION W/KO	**59.04**	A	3	28.5	00799
6436 GRTGV	36.00" GALV STRAIGHT SECTION W/KO	**86.76**	A	3	43.5	00795
6448 GRTGV	48.00" GALV STRAIGHT SECTION W/KO	**108.54**	A	3	57.0	00796
6460 GRTGV	60.00" GALV STRAIGHT SECTION W/KO	**139.95**	A	3	69.0	00797
6472 GRTGV	72.00" GALV STRAIGHT SECTION W/KO	**159.84**	A	3	82.5	00798
6.0 X 4.0 Galvanized Straight Sections Without Knockouts						
6412 GRTGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**46.53**	A	3	18.0	00819
6418 GRTGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**54.72**	A	3	24.0	00818
6424 GRTGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**59.04**	A	3	28.5	00763
6436 GRTGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**86.76**	A	3	43.5	00817
6448 GRTGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**108.54**	A	3	57.0	00816
6460 GRTGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**139.95**	A	3	69.0	00815
6472 GRTGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**159.84**	A	3	82.5	00814
6.0 X 6.0 Galvanized Straight Sections With Knockouts						
6612 GRTGV	12.00" GALV STRAIGHT SECTION W/KO	**51.33**	A	2	15.0	00879
6618 GRTGV	18.00" GALV STRAIGHT SECTION W/KO	**66.33**	A	2	20.0	00982
6624 GRTGV	24.00" GALV STRAIGHT SECTION W/KO	**76.20**	A	2	25.0	00880
6636 GRTGV	36.00" GALV STRAIGHT SECTION W/KO	**101.12**	A	2	35.0	00837
6648 GRTGV	48.00" GALV STRAIGHT SECTION W/KO	**125.99**	A	2	47.0	00836
6660 GRTGV	60.00" GALV STRAIGHT SECTION W/KO	**150.91**	A	2	55.0	00834
6672 GRTGV	72.00" GALV STRAIGHT SECTION W/KO	**175.75**	A	2	65.0	00835
66120 GRTGV	120.00" GALV STRAIGHT SECTION W/KO	**274.77**	A	1	53.5	01029

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

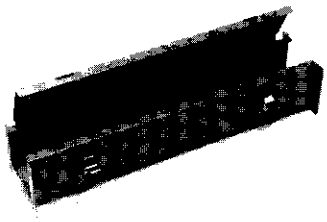
TYPE 3R SCREW COVER WIREWAY-GALVANIZED (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 X 6.0 Galvanized Straight Sections Without Knockouts						
6612 GRTGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**51.33**	A	2	15.0	00813
6618 GRTGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**66.33**	A	2	20.0	00812
6624 GRTGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**76.20**	A	2	25.0	00811
6636 GRTGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**101.12**	A	2	35.0	00810
6648 GRTGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**125.99**	A	2	47.0	00809
6660 GRTGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**150.91**	A	2	55.0	00808
6672 GRTGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**175.75**	A	2	65.0	00807
6696 GRTGV NK	96.00" GALV STRAIGHT SECTION W/O KO	**394.11**	A	2	93.0	00994
66120 GRTGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**274.77**	A	2	134.0	01028
8.0 X 8.0 Galvanized Straight Sections With Knockouts						
8812 GRTGV	12.00" GALV STRAIGHT SECTION W/KO	**69.30**	A	1	10.5	00830
8818 GRTGV	18.00" GALV STRAIGHT SECTION W/KO	**104.76**	A	1	13.5	00831
8824 GRTGV	24.00" GALV STRAIGHT SECTION W/KO	**102.18**	A	1	17.0	00832
8836 GRTGV	36.00" GALV STRAIGHT SECTION W/KO	**136.61**	A	1	23.0	00833
8848 GRTGV	48.00"GALV STRAIGHT SECTION W/KO	**171.05**	A	1	30.0	00829
8860 GRTGV	60.00" GALV STRAIGHT SECTION W/KO	**205.68**	A	1	36.5	00828
8872 GRTGV	72.00" GALV STRAIGHT SECTION W/KO	**280.44**	A	1	43.0	00827
8.0 X 8.0 Galvanized Straight Sections Without Knockouts						
8812 GRTGV NK	12.00" GALV STRAIGHT SECTION W/O KO	**69.30**	A	1	10.5	00806
8818 GRTGV NK	18.00" GALV STRAIGHT SECTION W/O KO	**104.76**	A	1	13.5	00805
8824 GRTGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**102.18**	A	1	17.0	00804
8836 GRTGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**136.61**	A	1	23.0	00803
8848 GRTGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**171.05**	A	1	30.0	00802
8860 GRTGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**205.68**	A	1	36.5	00801
8872 GRTGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**280.44**	A	1	43.0	00800
8896 GRTGV NK	96.00" GALV STRAIGHT SECTION W/O KO	**557.64**	A	1	57.0	00998
88120 GRTGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**664.11**	A	1	70.5	01021
10.0 X 10.0 Galvanized Straight Sections Without Knockouts						
101024 GRTGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**223.56**	A	1	28.0	00983
101036 GRTGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**322.47**	A	1	31.0	00984
101048 GRTGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**424.89**	A	1	39.0	00985
101060 GRTGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**522.90**	A	1	47.0	00986
101072 GRTGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**638.10**	A	1	54.0	00987
101096 GRTGV NK	96.00" GALV STRAIGHT SECTION W/O KO	**893.79**	A	1	95.0	00992
1010120 GRTGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**833.13**	A	1	87.5	00997
12.0 X 12.0 Galvanized Straight Sections Without Knockouts						
121224 GRTGV NK	24.00" GALV STRAIGHT SECTION W/O KO	**256.77**	A	1	26.0	00988
121236 GRTGV NK	36.00" GALV STRAIGHT SECTION W/O KO	**421.38**	A	1	35.5	00995
121248 GRTGV NK	48.00" GALV STRAIGHT SECTION W/O KO	**498.78**	A	1	45.5	00989
121260 GRTGV NK	60.00" GALV STRAIGHT SECTION W/O KO	**624.96**	A	1	55.5	00990
121272 GRTGV NK	72.00" GALV STRAIGHT SECTION W/O KO	**749.52**	A	1	65.0	00991
121296 GRTGV NK	96.00" GALV STRAIGHT SECTION W/O KO	**1049.40**	A	1	84.5	00993
1212120 GRTGV NK	120.00" GALV STRAIGHT SECTION W/O KO	**1223.10**	A	1	104.5	00996

NOTE: Standard screw cover wireway and fittings are supplied with surface covers.

NEMA 12 LAY-IN WIREWAY



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
2.5 X 2.5 Straight Sections						
2204-12LW	4.00" STRAIGHT SECTION	**52.64**	C	1	2.0	00424
2206-12LW	6.00" STRAIGHT SECTION	**52.64**	C	1	3.2	00429
2212-12LW	12.00" STRAIGHT SECTION	**59.82**	C	1	4.0	00434
2224-12LW	24.00" STRAIGHT SECTION	**77.16**	C	1	7.0	00439
2236-12LW	36.00" STRAIGHT SECTION	**94.55**	C	1	11.0	00443
2248-12LW	48.00" STRAIGHT SECTION	**111.92**	C	1	15.0	00447
2260-12LW	60.00" STRAIGHT SECTION	**129.23**	C	1	18.0	00452
22120-12LW	120.00" STRAIGHT SECTION	**216.08**	C	1	36.0	00457
2.5 X 2.5 Fittings						
22-12BK	BARRIER KIT, 60" BOLT-ON	**24.47**	C	1	3.2	00477
22-12LAHM	HAMMOND™[6] ADAPTER, 2.5x2.5	**46.32**	C	1	3.9	00592
22-12LAHW	HOFFMAN®[1]/WIEGMANN®[2] ADAP., 2.5x2.5	**46.32**	C	1	3.9	00557
22-12LARR	ROBROY®[4] or RITTAL®[5] ADAP., 2.5x2.5	**46.32**	C	1	3.9	00587
22-12LASD	SQUARE D®[3] ADAPTER, 2.5x2.5	**46.32**	C	1	3.9	00583
22-12LBC	BOX CONNECTOR	**19.59**	C	1	1.0	00468
22-12LBH	HANGER, BRACKET	**8.63**	C	1	1.0	00467
22-12LC	CROSS, TOP OPEN	**155.26**	C	1	6.0	00392
22-12LCF	CUT-OFF FITTING, LAY-IN	**89.94**	C	1	5.0	00419
22-12LCP	CLOSURE PLATE	**17.76**	C	1	1.0	00384
22-12LDH	HANGER, DROP	**12.66**	C	1	1.0	00373
22-12LE15A	15° ELBOW, TOP OPEN	**94.50**	C	1	2.2	00415
22-12LE45A	45° ELBOW, TOP OPEN	**94.50**	C	1	2.0	00402
22-12LE45B	45° ELBOW, INSIDE OPEN	**94.50**	C	1	2.0	00406
22-12LE45C	45° ELBOW, OUTSIDE OPEN	**94.50**	C	1	2.0	00411
22-12LE9A	90° ELBOW, TOP OPEN	**94.50**	C	1	3.0	00397
22-12LE9AC	90° ELBOW, OUTSIDE-TOP OPEN	**94.50**	C	1	11.0	00498
22-12LE9B	90° ELBOW, INSIDE OPEN	**94.50**	C	1	3.0	00538
22-12LE9C	90° ELBOW, OUTSIDE OPEN	**94.50**	C	1	4.0	00543
22-12LE9TC	90° TRANS ELBOW, CW	**94.50**	C	1	3.0	00494
22-12LE9TCC	90° TRANS ELBOW, CCW	**94.50**	C	1	3.0	00490
22-12LJB	JUNCTION BOX	**141.04**	C	1	10.5	00503
22-12LN1	1" NIPPLE	**42.90**	C	1	1.5	00518
22-12LN2	2" NIPPLE	**46.62**	C	1	1.5	00523
22-12LN3	3" NIPPLE	**50.34**	C	1	2.0	00528
22-12LSP	SEALING PLATE	**8.38**	C	1	2.0	00462
22-12LTA	TEE, TOP OPEN	**112.47**	C	1	5.0	00507
22-12LTC	TEE, OUTSIDE OPEN	**129.31**	C	1	5.0	00473
22-12LTF	TELESCOPIC FITTING, LAY-IN	**84.05**	C	1	3.0	00533
22-12LTSC	12" TRANS WIREWAY, CW	**94.94**	C	1	5.5	00552
22-12LTSCC	12" TRANS WIREWAY, CCW	**94.94**	C	1	5.5	00548
4.0 X 4.0 Straight Sections						
4404-12LW	4.00" STRAIGHT SECTION	**62.85**	C	1	2.9	00425
4406-12LW	6.00" STRAIGHT SECTION	**62.85**	C	1	3.2	00430
4412-12LW	12.00" STRAIGHT SECTION	**71.42**	C	1	6.0	00435
4424-12LW	24.00" STRAIGHT SECTION	**91.22**	C	1	11.0	00440
4436-12LW	36.00" STRAIGHT SECTION	**110.97**	C	1	15.0	00444
4448-12LW	48.00" STRAIGHT SECTION	**130.77**	C	1	23.0	00448
4460-12LW	60.00" STRAIGHT SECTION	**150.57**	C	1	25.0	00453
44120-12LW	120.00" STRAIGHT SECTION	**249.45**	C	1	52.0	00458

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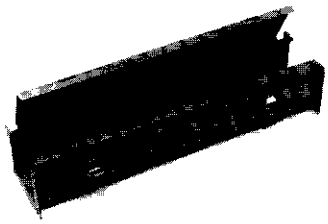
NEMA 12 LAY-IN WIREWAY (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 X 4.0 Fittings						
44-12BK	BARRIER KIT, 60" BOLT- ON	**29.48**	C	1	5.0	00478
44-12LAHM	HAMMOND™6 ADAPTER, 4x4	**55.31**	C	1	5.7	00593
44-12LAHW	HOFFMAN®1/WIEGMANN®2 ADAP., 4x4	**55.31**	C	1	5.7	00579
44-12LARR	ROBROY®4 or RITTAL®5 ADAP., 4x4	**55.31**	C	1	5.7	00588
44-12LASD	SQUARE D®3 ADAPTER, 4x4	**55.31**	C	1	5.7	00584
44-12LBC	BOX CONNECTOR	**24.46**	C	1	1.0	00469
44-12LBH	HANGER, BRACKET	**11.05**	C	1	1.0	00383
44-12LC	CROSS, TOP OPEN	**196.41**	C	1	9.0	00393
44-12LCF	CUT-OFF FITTING, LAY-IN	**101.10**	C	1	8.0	00420
44-12LCP	CLOSURE PLATE	**22.26**	C	1	1.5	00385
44-12LDH	HANGER, DROP	**16.28**	C	1	1.0	00374
44-12LE15A	15° ELBOW, TOP OPEN	**120.51**	C	1	3.3	00416
44-12LE45A	45° ELBOW, TOP OPEN	**120.51**	C	1	3.0	00380
44-12LE45B	45° ELBOW, INSIDE OPEN	**120.51**	C	1	3.0	00407
44-12LE45C	45° ELBOW, OUTSIDE OPEN	**120.51**	C	1	3.0	00556
44-12LE9A	90° ELBOW, TOP OPEN OPEN	**120.51**	C	1	9.0	00398
44-12LE9AC	90° ELBOW, OUTSIDE-TOP OPEN	**120.51**	C	1	5.0	00499
44-12LE9B	90° ELBOW, INSIDE OPEN	**120.51**	C	1	5.0	00539
44-12LE9C	90° ELBOW, OUTSIDE OPEN	**120.51**	C	1	6.0	00544
44-12LE9TC	90° TRANS ELBOW, CW	**121.34**	C	1	6.0	00495
44-12LE9TCC	90° TRANS ELBOW, CCW	**121.34**	C	1	6.0	00491
44-12LJB	JUNCTION BOX	**164.59**	C	1	17.0	00504
44-12LN1	1" NIPPLE	**54.69**	C	1	2.0	00519
44-12LN2	2" NIPPLE	**59.46**	C	1	2.5	00524
44-12LN3	3" NIPPLE	**64.35**	C	1	3.0	00529
44-12LSP	SEALING PLATE	**9.85**	C	1	2.5	00463
44-12LTA	TEE, TOP OPEN	**145.89**	C	1	7.0	00508
44-12LTC	TEE, OUTSIDE OPEN	**167.78**	C	1	7.0	00474
44-12LTF	TELESCOPIC FITTING, LAY-IN	**104.01**	C	1	5.0	00534
44-12LTSC	12" TRANS WIREWAY, CW	**121.34**	C	1	8.0	00553
44-12LTSCC	12" TRANS WIREWAY, CCW	**121.34**	C	1	8.0	00549
4422-12LR	4"x4" TO 2.5"x2.5" REDUCER	**73.60**	C	1	2.5	00512
6.0 X 6.0 Straight Sections						
6604-12LW	4.00" STRAIGHT SECTION	**80.12**	C	1	4.1	00426
6606-12LW	6.00" STRAIGHT SECTION	**80.12**	C	1	5.2	00431
6612-12LW	12.00" STRAIGHT SECTION	**91.04**	C	1	9.0	00436
6624-12LW	24.00" STRAIGHT SECTION	**122.39**	C	1	15.0	00441
6636-12LW	36.00" STRAIGHT SECTION	**153.77**	C	1	22.0	00445
6648-12LW	48.00" STRAIGHT SECTION	**185.17**	C	1	31.0	00449
6660-12LW	60.00" STRAIGHT SECTION	**216.52**	C	1	38.0	00454
66120-12LW	120.00" STRAIGHT SECTION	**373.36**	C	1	73.0	00459
6.0 X 6.0 Fittings						
66-12BK	BARRIER KIT, 60" BOLT-ON	**36.11**	C	1	7.0	00479
66-12LAHM	HAMMOND™6 ADAPTER, 6x6	**70.51**	C	1	8.1	00594
66-12LAHW	HOFFMAN®1/WIEGMANN®2 ADAP.,6x6	**70.51**	C	1	8.1	00580
66-12LARR	ROBROY®4 or RITTAL®5 ADAP., 6x6	**70.51**	C	1	8.1	00589
66-12LASD	SQUARE D®3 ADAPTER, 6x6	**70.51**	C	1	8.1	00585
66-12LBC	BOX CONNECTOR	**29.39**	C	1	2.0	00470
66-12LBH	HANGER, BRACKET	**15.40**	C	1	2.0	00376
66-12LC	CROSS, TOP OPEN	**235.78**	C	1	14.0	00394
66-12LCF	CUT-OFF FITTING, LAY-IN	**117.00**	C	1	11.0	00421

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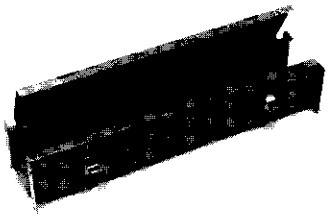
NEMA 12 LAY-IN WIREWAY (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 X 6.0 Fittings - cont.						
66-12LCP	CLOSURE PLATE	**26.74**	C	1	3.0	00388
66-12LDH	HANGER, DROP	**22.17**	C	1	2.0	00375
66-12LE15A	15° ELBOW, TOP OPEN	**143.40**	C	1	4.8	00381
66-12LE45A	45° ELBOW, TOP OPEN	**143.40**	C	1	6.0	00403
66-12LE45B	45° ELBOW, INSIDE OPEN	**143.40**	C	1	6.0	00408
66-12LE45C	45° ELBOW, OUTSIDE OPEN	**143.40**	C	1	6.0	00412
66-12LE9A	90° ELBOW, TOP OPEN	**143.40**	C	1	9.0	00399
66-12LE9AC	90° ELBOW, OUTSIDE-TOP OPEN	**143.40**	C	1	13.0	00501
66-12LE9B	90° ELBOW, INSIDE OPEN	**143.40**	C	1	9.0	00540
66-12LE9C	90° ELBOW, OUTSIDE OPEN	**143.40**	C	1	9.0	00545
66-12LE9TC	90° TRANS ELBOW, CW	**143.56**	C	1	10.0	00496
66-12LE9TCC	90° TRANS ELBOW, CCW	**143.56**	C	1	10.0	00492
66-12LJB	JUNCTION BOX	**200.76**	C	1	25.5	00505
66-12LN1	1" NIPPLE	**64.33**	C	1	3.0	00520
66-12LN2	2" NIPPLE	**69.96**	C	1	4.0	00525
66-12LN3	3" NIPPLE	**75.59**	C	1	5.0	00530
66-12LSP	SEALING PLATE	**12.89**	C	1	5.0	00464
66-12LTA	TEE, TOP OPEN	**175.17**	C	1	12.0	00509
66-12LTC	TEE, OUTSIDE OPEN	**201.20**	C	1	12.0	00475
66-12LTF	TELESCOPIC FITTING, LAY-IN	**118.02**	C	1	7.0	00535
66-12LTSC	12" TRANS WIREWAY, CW	**143.56**	C	1	11.3	00554
66-12LTSCC	12" TRANS WIREWAY, CCW	**143.56**	C	1	11.3	00550
6644-12LR	6"x6" TO 4"x4" REDUCER	**91.20**	C	1	3.0	00513
8.0 X 8.0 Straight Sections						
8804-12LW	4.00" STRAIGHT SECTION	**119.13**	C	1	5.2	00427
8806-12LW	6.00" STRAIGHT SECTION	**119.13**	C	1	6.7	00432
8812-12LW	12.00" STRAIGHT SECTION	**135.38**	C	1	12.0	00437
8824-12LW	24.00" STRAIGHT SECTION	**176.06**	C	1	20.0	00378
8836-12LW	36.00" STRAIGHT SECTION	**216.73**	C	1	29.0	00379
8848-12LW	48.00" STRAIGHT SECTION	**257.44**	C	1	39.0	00450
8860-12LW	60.00" STRAIGHT SECTION	**298.08**	C	1	49.0	00455
88120-12LW	120.00" STRAIGHT SECTION	**501.49**	C	1	94.0	00460
8.0 X 8.0 Fittings						
88-12BK	BARRIER KIT, 60" BOLT-ON	**48.11**	C	1	9.0	00480
88-12LAHM	HAMMOND™[6] ADAPTER, 8x8	**104.83**	C	1	10.4	00595
88-12LAHW	HOFFMAN®[1]/WIEGMANN®[2] ADAP., 8x8	**104.83**	C	1	10.4	00581
88-12LARR	ROBROY®[4] or RITTAL®[5] ADAP., 8x8	**104.83**	C	1	10.4	00590
88-12LASD	SQUARE D®[3] ADAPTER, 8x8	**104.83**	C	1	10.4	00586
88-12LBC	BOX CONNECTOR	**39.16**	C	1	2.5	00471
88-12LBH	HANGER, BRACKET	**41.61**	C	1	4.0	00372
88-12LC	CROSS, TOP OPEN	**304.32**	C	1	18.0	00395
88-12LCF	CUT-OFF FITTING, LAY-IN	**153.04**	C	1	14.0	00422
88-12LCP	CLOSURE PLATE	**35.59**	C	1	4.5	00387
88-12LDH	HANGER, DROP	**44.54**	C	1	6.5	00371
88-12LE15A	15° ELBOW, TOP OPEN	**195.02**	C	1	6.4	00417
88-12LE45A	45° ELBOW, TOP OPEN	**195.02**	C	1	8.0	00404
88-12LE45B	45° ELBOW, INSIDE OPEN	**195.02**	C	1	8.0	00409
88-12LE45C	45° ELBOW, OUTSIDE OPEN	**195.02**	C	1	8.0	00413
88-12LE9A	90° ELBOW, TOP OPEN	**195.02**	C	1	12.0	00400
88-12LE9AC	90° ELBOW, OUTSIDE-TOP OPEN	**195.02**	C	1	13.9	00502
88-12LE9B	90° ELBOW, INSIDE OPEN	**195.02**	C	1	13.0	00541

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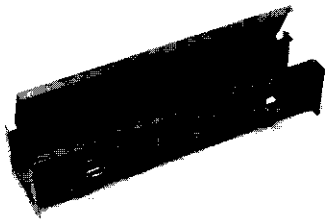
NEMA 12 LAY-IN WIREWAY (cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
8.0 X 8.0 Fittings - cont.						
88-12LE9C	90° ELBOW, OUTSIDE OPEN	**195.02**	C	1	14.0	00546
88-12LE9TC	90° TRANS ELBOW, CW	**176.56**	C	1	13.0	00497
88-12LE9TCC	90° TRANS ELBOW, CCW	**176.56**	C	1	13.0	00493
88-12LJB	JUNCTION BOX	**244.79**	C	1	35.3	00506
88-12LN1	1" NIPPLE	**119.13**	C	1	3.6	00521
88-12LN2	2" NIPPLE	**119.13**	C	1	4.1	00526
88-12LN3	3" NIPPLE	**119.13**	C	1	4.7	00531
88-12LSP	SEALING PLATE	**16.84**	C	1	6.0	00465
88-12LTA	TEE, TOP OPEN	**210.16**	C	1	15.0	00510
88-12LTC	TEE, OUTSIDE OPEN	**241.62**	C	1	15.0	00476
88-12LTF	TELESCOPIC FITTING, LAY-IN	**171.16**	C	1	11.0	00536
88-12LTSC	12" TRANS WIREWAY, CW	**166.08**	C	1	14.5	00555
88-12LTSCC	12" TRANS WIREWAY, CCW	**166.08**	C	1	14.5	00551
8866-12LR	8"x8" TO 6"x6" REDUCER	**113.93**	C	1	5.0	00514
12.0 X 6.0 Straight Sections						
12604-12LW	4.00" STRAIGHT SECTION	**134.51**	C	1	4.7	00428
12606-12LW	6.00" STRAIGHT SECTION	**134.51**	C	1	7.3	00433
12612-12LW	12.00" STRAIGHT SECTION	**152.85**	C	1	15.0	00438
12624-12LW	24.00" STRAIGHT SECTION	**216.08**	C	1	28.0	00442
12636-12LW	36.00" STRAIGHT SECTION	**279.36**	C	1	40.0	00446
12648-12LW	48.00" STRAIGHT SECTION	**342.61**	C	1	54.0	00451
12660-12LW	60.00" STRAIGHT SECTION	**405.86**	C	1	64.0	00456
126120-12LW	120.00" STRAIGHT SECTION	**722.15**	C	1	128.0	00461
12.0 X 6.0 Fittings						
66-12BK	BARRIER KIT, 60" BOLT-ON	**36.11**	C	1	13.0	00479
126-12LAHM	HAMMOND™[6] ADAPTER, 12x6	**118.37**	C	1	11.5	00596
126-12LAHW	HOFFMAN®[1]/WIEGMANN®[2] ADAP., 12x6	**118.37**	C	1	11.5	00582
126-12LARR	ROBROY®[4] or RITTAL®[5] ADAP., 12x6	**118.37**	C	1	11.5	00591
126-12LBC	BOX CONNECTOR	**77.97**	C	1	3.5	00472
126-12LC	CROSS, TOP OPEN	**307.67**	C	1	29.0	00396
126-12LCF	CUT-OFF FITTING, LAY-IN	**213.09**	C	1	19.0	00423
126-12LCP	CLOSURE PLATE	**39.16**	C	1	5.5	00386
126-12LE15A	15° ELBOW, TOP OPEN	**214.35**	C	1	7.4	00418
126-12LE45A	45° ELBOW, TOP OPEN	**214.35**	C	1	14.0	00405
126-12LE45B	45° ELBOW, INSIDE OPEN	**214.35**	C	1	8.8	00410
126-12LE45C	45° ELBOW, OUTSIDE OPEN	**214.35**	C	1	9.9	00414
126-12LE9A	90° ELBOW TOP OPEN	**214.35**	C	1	17.0	00401
126-12LE9B	90° ELBOW INSIDE OPEN	**214.35**	C	1	17.0	00542
126-12LE9C	90° ELBOW OUTSIDE OPEN	**214.35**	C	1	17.0	00547
126-12LN1	1" NIPPLE	**134.51**	C	1	4.0	00522
126-12LN2	2" NIPPLE	**134.51**	C	1	4.4	00527
126-12LN3	3" NIPPLE	**134.51**	C	1	5.2	00532
126-12LSP	SEALING PLATE	**21.01**	C	1	9.0	00466
126-12LTA	TEE, TOP OPEN	**236.80**	C	1	24.0	00511
126-12LTF	TELESCOPIC FITTING, LAY-IN	**227.84**	C	1	15.0	00537
1212-12LASD	SQUARE D®[3] ADAPTER, 12x12	**118.37**	C	1	13.6	00597
12644-12LR	12"x6" TO 4"x4" REDUCER	**137.61**	C	1	6.0	00516
12666-12LR	12"x6" TO 6"x6" REDUCER	**137.61**	C	1	7.0	00517

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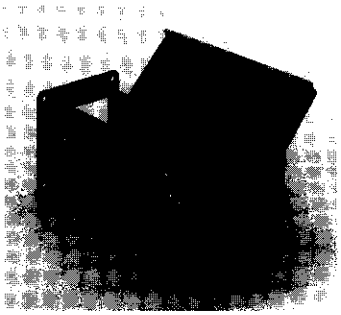
NEMA 12 FEED-THROUGH WIREWAY



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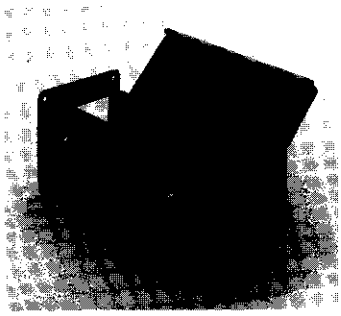
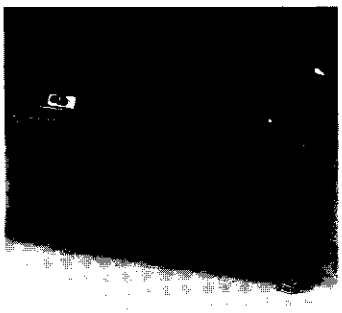
4.0 X 4.0 Straight Sections						
4412-12FW	12.00" FEED-THROUGH STRAIGHT SECTION	**68.32**	C	1	6.0	10930
4424-12FW	24.00" FEED-THROUGH STRAIGHT SECTION	**87.25**	C	1	13.0	10945
4436-12FW	36.00" FEED-THROUGH STRAIGHT SECTION	**106.19**	C	1	18.0	10955
4448-12FW	48.00" FEED-THROUGH STRAIGHT SECTION	**125.11**	C	1	23.0	10960
4460-12FW	60.00" FEED-THROUGH STRAIGHT SECTION	**144.08**	C	1	28.0	10975
44120-12FW	120.00" FEED-THROUGH STRAIGHT SECTION	**238.68**	C	1	56.0	10935
4.0 X 4.0 Fittings						
44-12FTF	FEED-THROUGH TELESCOPIC FITTING	**83.63**	C	1	5.0	10825
44-12FCF	CUT-OFF FITTING, NON-LAY-IN	**56.32**	C	1	5.0	40504
44-12FN1	1" FEED-THROUGH NIPPLE	**51.26**	C	1	2.5	10875
44-12FN2	2" FEED-THROUGH NIPPLE	**55.76**	C	1	2.8	10880
44-12FN3	3" FEED-THROUGH NIPPLE	**60.36**	C	1	3.0	10885
44-12FN6	6" FEED-THROUGH NIPPLE	**64.83**	C	1	4.0	10910
44-12FE9	FEED-THROUGH 90° ELBOW	**77.25**	C	1	5.3	32464
44-12FE45	FEED-THROUGH 45° ELBOW	**77.25**	C	1	2.8	10855
44-12FT	FEED-THROUGH TEE	**92.84**	C	1	6.8	10925
44-12FC	FEED-THROUGH CROSS	**130.83**	C	1	8.5	10845
44-12FGK	FEED-THROUGH GASKET KIT	**3.96**	C	1	0.3	10865
44-12FBC	FEED-THROUGH BOX CONNECTOR	**16.06**	C	1	3.8	10835
44-12FCP	FEED-THROUGH CLOSURE PLATE	**14.57**	C	1	0.8	10915
44-12DH	HANGER, DROP	**16.28**	C	1	1.0	40532
44-12BH	HANGER, BRACKET	**11.05**	C	1	1.0	40530
44-12BK	BARRIER KIT, 60" BOLT- ON	**29.48**	C	1	5.0	40528
6.0 X 6.0 Straight Sections						
6612-12FW	12.00" FEED-THROUGH STRAIGHT SECTION	**87.10**	C	1	9.0	32490
6624-12FW	24.00" FEED-THROUGH STRAIGHT SECTION	**117.09**	C	1	17.0	11150
6636-12FW	36.00" FEED-THROUGH STRAIGHT SECTION	**147.11**	C	1	20.0	11155
6648-12FW	48.00" FEED-THROUGH STRAIGHT SECTION	**177.11**	C	1	31.0	11160
6660-12FW	60.00" FEED-THROUGH STRAIGHT SECTION	**207.13**	C	1	37.0	11165
66120-12FW	120.00" FEED-THROUGH STRAIGHT SECTION	**357.20**	C	1	74.0	32492
6.0 X 6.0 Fittings						
66-12FTF	FEED-THROUGH TELESCOPIC FITTING	**102.89**	C	1	10.0	10995
66-12FCF	CUT-OFF FITTING, NON LAY-IN	**70.87**	C	1	9.0	40382
66-12FN1	1" FEED-THROUGH NIPPLE	**61.55**	C	1	4.8	11100
66-12FN2	2" FEED-THROUGH NIPPLE	**66.91**	C	1	5.3	11105
66-12FN3	3" FEED-THROUGH NIPPLE	**72.28**	C	1	5.8	11110
66-12FN6	6" FEED-THROUGH NIPPLE	**77.61**	C	1	7.3	11115
66-12FE9	FEED-THROUGH 90° ELBOW	**95.31**	C	1	10.0	11075
66-12FE45	FEED-THROUGH 45° ELBOW	**95.31**	C	1	5.0	11045
66-12FT	FEED-THROUGH TEE	**128.85**	C	1	12.8	11135
66-12FC	FEED-THROUGH CROSS	**169.75**	C	1	14.0	11035
6644-12FRC	REDUCER CENTER 6x6-4x4	**36.13**	C	1	2.5	11130
6644-12FRE	REDUCER EDGE 6x6-4x4	**36.13**	C	1	1.0	11125
66-12FGK	FEED-THROUGH GASKET KIT	**5.30**	C	1	0.8	11085
66-12FBC	FEED-THROUGH BOX CONNECTOR	**20.60**	C	1	1.8	11015
66-12FCP	FEED-THROUGH CLOSURE PLATE	**17.48**	C	1	1.7	11120
66-12DH	HANGER, DROP	**22.17**	C	1	2.0	40512
66-12BH	HANGER, BRACKET	**15.40**	C	1	2.0	40510
66-12BK	BARRIER KIT, 60" BOLT-ON	**36.11**	C	1	7.0	40508

NEMA 12 FEED-THROUGH WIREWAY (cont.)



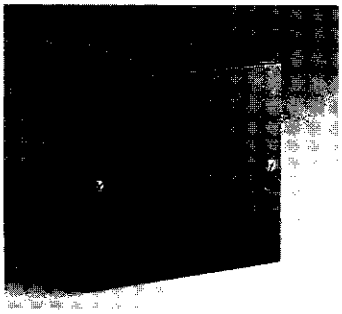
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT DEPTH LENGTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
8.0 X 8.0 Straight Sections						
8812-12FW	12.00" FEED-THROUGH STRAIGHT SECTION	**129.51**	C	1	11.0	11250
8824-12FW	24.00" FEED-THROUGH STRAIGHT SECTION	**168.45**	C	1	21.0	11260
8836-12FW	36.00" FEED-THROUGH STRAIGHT SECTION	**207.37**	C	1	30.0	11265
8848-12FW	48.00" FEED-THROUGH STRAIGHT SECTION	**246.26**	C	1	40.0	11270
8860-12FW	60.00" FEED-THROUGH STRAIGHT SECTION	**285.20**	C	1	49.0	11275
88120-12FW	120.00" FEED-THROUGH STRAIGHT SECTION	**479.79**	C	1	96.0	11255
8.0 X 8.0 Fittings						
88-12FTF	FEED-THROUGH TELESCOPIC FITTING	**148.48**	C	1	13.5	11175
88-12FC	FEED-THROUGH CROSS	**225.41**	C	1	18.0	11185
88-12FCF	CUT-OFF FITTING, NON LAY-IN	**103.99**	C	1	12.0	40366
88-12FN1	1" FEED-THROUGH NIPPLE	**87.56**	C	1	7.8	11205
88-12FN2	2" FEED-THROUGH NIPPLE	**95.92**	C	1	8.3	11210
88-12FN3	3" FEED-THROUGH NIPPLE	**103.57**	C	1	9.0	11220
88-12FN6	6" FEED-THROUGH NIPPLE	**111.30**	C	1	10.8	11225
88-12FE9	FEED-THROUGH 90° ELBOW	**141.05**	C	1	12.3	11195
88-12FE45	FEED-THROUGH 45° ELBOW	**141.05**	C	1	7.0	11190
88-12FT	FEED-THROUGH TEE	**181.21**	C	1	15.0	11245
8866-12FRC	WIREWAY REDUCER CENTER 8x8-6x6	**48.11**	C	1	3.8	11240
8866-12FRE	WIREWAY REDUCER EDGE 8x8-6x6	**48.11**	C	1	1.5	11235
88-12FGK	FEED-THROUGH GASKET KIT	**7.09**	C	1	1.0	11200
88-12FBC	FEED-THROUGH BOX CONNECTOR	**25.59**	C	1	3.8	11180
88-12FCP	FEED-THROUGH CLOSURE PLATE	**23.25**	C	1	4.0	11230
88-12DH	HANGER, DROP	**44.54**	C	1	6.5	40390
88-12BH	HANGER, BRACKET	**41.61**	C	1	4.0	40388
88-12BK	BARRIER KIT, 60" BOLT-ON	**48.11**	C	1	9.0	40386

NEMA 12 LIFT-OFF COVER WIRING TROUGH



4.0 X 4.0 Trough						
4412-12WT	12.00" WIRING TROUGH	**80.11**	C	1	7.0	16160
4418-12WT	18.00" WIRING TROUGH	**90.45**	C	1	7.0	16170
4424-12WT	24.00" WIRING TROUGH	**100.79**	C	1	11.0	16180
4436-12WT	36.00" WIRING TROUGH	**121.47**	C	1	13.0	16200
4448-12WT	48.00" WIRING TROUGH	**142.22**	C	1	17.0	16210
4460-12WT	60.00" WIRING TROUGH	**162.93**	C	1	21.0	16220
4472-12WT	72.00" WIRING TROUGH	**183.61**	C	1	25.0	16221
6.0 X 6.0 Trough						
6612-12WT	12.00" WIRING TROUGH	**94.77**	C	1	7.0	16300
6618-12WT	18.00" WIRING TROUGH	**110.30**	C	1	10.0	16310
6624-12WT	24.00" WIRING TROUGH	**125.80**	C	1	15.0	16320
6636-12WT	36.00" WIRING TROUGH	**156.87**	C	1	23.0	16330
6648-12WT	48.00" WIRING TROUGH	**187.89**	C	1	25.0	16340
6660-12WT	60.00" WIRING TROUGH	**218.96**	C	1	31.0	16350
6672-12WT	72.00" WIRING TROUGH	**250.03**	C	1	38.0	16360
8.0 X 8.0 Trough						
8812-12WT	12.00" WIRING TROUGH	**111.18**	C	1	12.0	16400
8824-12WT	24.00" WIRING TROUGH	**152.54**	C	1	22.0	16410
8836-12WT	36.00" WIRING TROUGH	**193.95**	C	1	33.0	16420
8848-12WT	48.00" WIRING TROUGH	**235.36**	C	1	33.0	16430
8860-12WT	60.00" WIRING TROUGH	**276.72**	C	1	41.0	16440
8872-12WT	72.00" WIRING TROUGH	**373.52**	C	1	48.0	16450

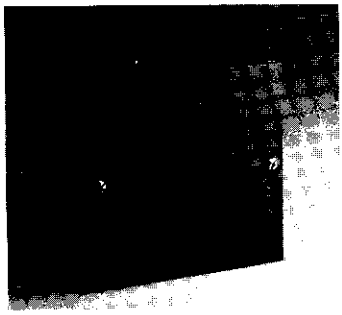
TYPE 1 SCREW COVER ENCLOSURES - PAINTED



Painted Enclosures With Knockouts

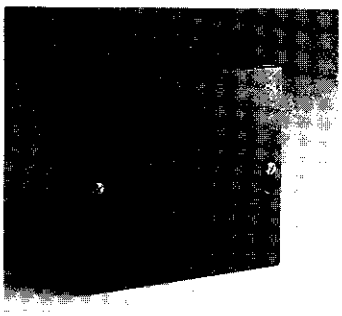
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	3.0 Depth					
663 SC	SC ENCLOSURE W/KO 6x6x3	**13.73**	A	12	35.0	22120
	4.0 Depth					
444 SC	SC ENCLOSURE W/KO 4x4x4	**9.26**	A	6	11.0	22010
464 SC	SC ENCLOSURE W/KO 4x6x4	**11.05**	A	4	10.0	22030
664 SC	SC ENCLOSURE W/KO 6x6x4	**13.23**	A	12	38.0	22130
684 SC	SC ENCLOSURE W/KO 8x6x4	**15.56**	A	12	46.0	22160
6104 SC	SC ENCLOSURE W/KO 10x6x4	**24.84**	A	1	4.5	61040
6124 SC	SC ENCLOSURE W/KO 12x6x4	**22.00**	A	6	32.0	22250
884 SC	SC ENCLOSURE W/KO 8x8x4	**18.16**	A	6	26.0	22280
8104 SC	SC ENCLOSURE W/KO 10x8x4	**20.83**	A	6	34.0	22320
8124 SC	SC ENCLOSURE W/KO 12x8x4	**23.61**	A	4	26.0	22360
10104 SC	SC ENCLOSURE W/KO 10x10x4	**23.93**	A	3	18.0	22430
10124 SC	SC ENCLOSURE W/KO 12x10x4	**27.05**	A	3	21.0	22480
12124 SC	SC ENCLOSURE W/KO 12x12x4	**30.74**	A	6	49.0	22580
12164 SC	SC ENCLOSURE W/KO 16x12x4	**37.83**	A	2	20.0	22660
12184 SC	SC ENCLOSURE W/KO 18x12x4	**41.39**	A	2	22.0	22700
12244 SC	SC ENCLOSURE W/KO 24x12x4	**56.36**	A	4	61.0	22750
15184 SC	SC ENCLOSURE W/KO 18x15x4	**48.13**	A	3	42.0	22890
16164 SC	SC ENCLOSURE W/KO 16x16x4	**49.81**	A	3	39.0	22940
18184 SC	SC ENCLOSURE W/KO 18x18x4	**55.05**	A	3	45.0	23020
18244 SC	SC ENCLOSURE W/KO 24x18x4	**101.02**	A	2	38.0	23090
18304 SC	SC ENCLOSURE W/KO 30x18x4	**138.17**	A	1	26.0	23140
24244 SC	SC ENCLOSURE W/KO 24x24x4	**115.79**	A	2	70.0	23290
24304 SC	SC ENCLOSURE W/KO 30x24x4	**144.86**	A	1	33.0	23340
24364 SC	SC ENCLOSURE W/KO 36x24x4	**160.85**	A	1	39.0	23390
	6.0 Depth					
666 SC	SC ENCLOSURE W/KO 6x6x6	**16.00**	A	6	24.0	22140
686 SC	SC ENCLOSURE W/KO 8x6x6	**19.17**	A	6	29.0	22170
6126 SC	SC ENCLOSURE W/KO 12x6x6	**24.48**	A	4	26.0	22260
886 SC	SC ENCLOSURE W/KO 8x8x6	**21.80**	A	4	24.0	22290
8106 SC	SC ENCLOSURE W/KO 10x8x6	**24.82**	A	4	26.0	22330
8126 SC	SC ENCLOSURE W/KO 12x8x6	**29.07**	A	3	21.0	22370
10106 SC	SC ENCLOSURE W/KO 10x10x6	**28.36**	A	2	14.0	22440
10126 SC	SC ENCLOSURE W/KO 12x10x6	**32.03**	A	2	16.0	22490
12126 SC	SC ENCLOSURE W/KO 12x12x6	**36.04**	A	4	36.0	22590
12166 SC	SC ENCLOSURE W/KO 16x12x6	**44.09**	A	3	36.0	22670
12186 SC	SC ENCLOSURE W/KO 18x12x6	**48.96**	A	3	40.0	22710
12246 SC	SC ENCLOSURE W/KO 12x24x6	**60.56**	A	2	32.0	22760
15186 SC	SC ENCLOSURE W/KO 18x15x6	**53.04**	A	2	34.0	22900
16166 SC	SC ENCLOSURE W/KO 16x16x6	**51.45**	A	2	30.0	22950
18186 SC	SC ENCLOSURE W/KO 18x18x6	**64.23**	A	2	35.0	23030
18246 SC	SC ENCLOSURE W/KO 24x18x6	**118.20**	A	2	52.0	23100
18306 SC	SC ENCLOSURE W/KO 30x18x6	**147.12**	A	2	56.0	23150
24246 SC	SC ENCLOSURE W/KO 24x24x6	**129.85**	A	2	78.0	23300
24306 SC	SC ENCLOSURE W/KO 30x24x6	**155.71**	A	2	94.0	23350
24366 SC	SC ENCLOSURE W/KO 36x24x6	**181.38**	A	1	52.0	23400

TYPE 1 SCREW COVER ENCLOSURES - PAINTED
(cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Painted Enclosures With Knockouts - cont.						
	8.0 Depth					
888 SC	SC ENCLOSURE W/KO 8x8x8	**38.97**	A	4	28.0	22300
12128 SC	SC ENCLOSURE W/KO 12x12x8	**40.10**	A	4	46.0	22600
12168 SC	SC ENCLOSURE W/KO 16x12x8	**56.70**	A	1	15.0	22680
12188 SC	SC ENCLOSURE W/KO 18x12x8	**58.59**	A	1	16.0	22720
12248 SC	SC ENCLOSURE W/KO 24x12x8	**65.80**	A	2	38.0	22770
18188 SC	SC ENCLOSURE W/KO 18x18x8	**72.21**	A	1	21.0	23040
18248 SC	SC ENCLOSURE W/KO 24x18x8	**148.48**	A	1	26.0	23110
24248 SC	SC ENCLOSURE W/KO 24x24x8	**151.04**	A	1	44.0	23310
24308 SC	SC ENCLOSURE W/KO 30x24x8	**161.52**	A	1	43.5	23360
24368 SC	SC ENCLOSURE W/KO 36x24x8	**198.49**	A	1	58.0	23410
	10.0 Depth					
121810 SC	SC ENCLOSURE W/KO 18x12x10	**68.81**	A	1	21.0	22730
122410 SC	SC ENCLOSURE W/KO 24x12x10	**78.47**	A	1	25.0	22780
181810 SC	SC ENCLOSURE W/KO 18x18x10	**95.84**	A	1	28.0	23050
182410 SC	SC ENCLOSURE W/KO 24x18x10	**170.96**	A	1	38.0	23120
242410 SC	SC ENCLOSURE W/KO 24x24x10	**210.00**	A	1	45.0	23320
243010 SC	SC ENCLOSURE W/KO 30x24x10	**249.76**	A	1	50.0	23370
243610 SC	SC ENCLOSURE W/KO 36x24x10	**283.36**	A	1	66.0	23420
	12.0 Depth					
121212SC	SC ENCLOSURE W/KO 12x12x12	**80.60**	A	1	16.0	00391
122412 SC	SC ENCLOSURE W/KO 24x12x12	**88.62**	A	1	31.0	22785
181812 SC	SC ENCLOSURE W/KO 18x18x12	**106.24**	A	1	33.0	23060
182412 SC	SC ENCLOSURE W/KO 24x18x12	**185.76**	A	1	41.0	23130
242412 SC	SC ENCLOSURE W/KO 24x24x12	**227.52**	A	1	53.0	23330
243012 SC	SC ENCLOSURE W/KO 30x24x12	**272.32**	A	1	63.0	23380
243612 SC	SC ENCLOSURE W/KO 36x24x12	**304.40**	A	1	70.0	23430
Painted Enclosures Without Knockouts						
	3.0 Depth					
663 SC NK	SC ENCLOSURE W/O KO 6x6x3	**13.73**	A	12	35.0	66134
	4.0 Depth					
444 SC NK	SC ENCLOSURE W/O KO 4x4x4	**9.26**	A	6	11.0	22011
464 SC NK	SC ENCLOSURE W/O KO 4x6x4	**11.05**	A	4	10.0	46250
664 SC NK	SC ENCLOSURE W/O KO 6x6x4	**13.23**	A	12	38.0	22131
684 SC NK	SC ENCLOSURE W/O KO 8x6x4	**15.56**	A	12	46.0	22161
6124 SC NK	SC ENCLOSURE W/O KO 12x6x4	**22.00**	A	6	32.0	61240
884 SC NK	SC ENCLOSURE W/O KO 8x8x4	**18.16**	A	6	26.0	22282
8104 SC NK	SC ENCLOSURE W/O KO 10x8x4	**20.83**	A	6	34.0	22322
8124 SC NK	SC ENCLOSURE W/O KO 12x8x4	**23.61**	A	4	26.0	83002
10104 SC NK	SC ENCLOSURE W/O KO 10x10x4	**23.93**	A	3	18.0	22431
10124 SC NK	SC ENCLOSURE W/O KO 12x10x4	**27.05**	A	3	21.0	22482
12124 SC NK	SC ENCLOSURE W/O KO 12x12x4	**30.74**	A	6	49.0	22581
12164 SC NK	SC ENCLOSURE W/O KO 16x12x4	**37.83**	A	2	20.0	33675
12184 SC NK	SC ENCLOSURE W/O KO 18x12x4	**41.39**	A	2	22.0	33725
12244 SC NK	SC ENCLOSURE W/O KO 24x12x4	**56.36**	A	4	61.0	33765
15184 SC NK	SC ENCLOSURE W/O KO 18x15x4	**48.13**	A	3	42.0	33810
16164 SC NK	SC ENCLOSURE W/O KO 16x16x4	**49.81**	A	3	39.0	33820
18184 SC NK	SC ENCLOSURE W/O KO 18x18x4	**55.05**	A	3	45.0	33860
18244 SC NK	SC ENCLOSURE W/O KO 24x18x4	**101.02**	A	2	38.0	33895
18304 SC NK	SC ENCLOSURE W/O KO 30x18x4	**138.17**	A	1	26.0	33925
24244 SC NK	SC ENCLOSURE W/O KO 24x24x4	**115.79**	A	2	54.0	24020
24304 SC NK	SC ENCLOSURE W/O KO 30x24x4	**144.86**	A	1	33.0	24050
24364 SC NK	SC ENCLOSURE W/O KO 36x24x4	**160.85**	A	1	39.0	24085

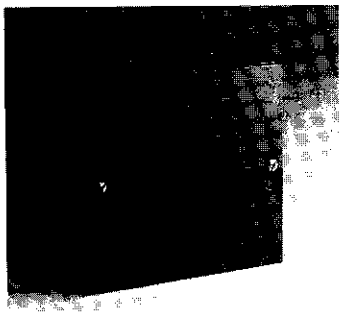
TYPE 1 SCREW COVER ENCLOSURES - PAINTED (cont.)



Painted Enclosures Without Knockouts - cont.

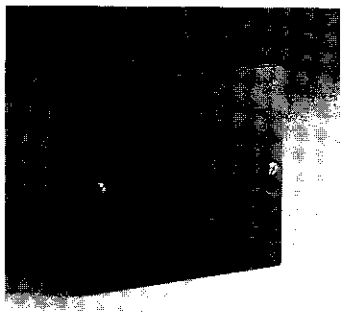
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 Depth - cont.						
30304 SC NK	SC ENCLOSURE W/O KO 30x30x4	**174.33**	A	1	76.0	87017
30364 SC NK	SC ENCLOSURE W/O KO 36x30x4	**200.46**	A	1	84.0	30382
36364 SC NK	SC ENCLOSURE W/O KO 36x36x4	**200.46**	A	1	105.0	40843
36484 SC NK	SC ENCLOSURE W/O KO 48x36x4	**368.04**	A	1	100.0	36368
48484 SC NK	SC ENCLOSURE W/O KO 48x48x4	**509.70**	A	1	160.0	11082
6.0 Depth						
666 SC NK	SC ENCLOSURE W/O KO 6x6x6	**16.00**	A	6	24.0	22141
686 SC NK	SC ENCLOSURE W/O KO 8x6x6	**19.17**	A	6	29.0	66492
6126 SC NK	SC ENCLOSURE W/O KO 12x6x6	**24.48**	A	4	26.0	61260
886 SC NK	SC ENCLOSURE W/O KO 8x8x6	**21.80**	A	4	24.0	22291
8106 SC NK	SC ENCLOSURE W/O KO 10x8x6	**24.82**	A	4	26.0	22331
8126 SC NK	SC ENCLOSURE W/O KO 12x8x6	**29.07**	A	3	21.0	83006
10106 SC NK	SC ENCLOSURE W/O KO 10x10x6	**28.36**	A	2	14.0	22441
10126 SC NK	SC ENCLOSURE W/O KO 12x10x6	**32.03**	A	2	16.0	10127
12126 SC NK	SC ENCLOSURE W/O KO 12x12x6	**36.04**	A	4	36.0	22591
12166 SC NK	SC ENCLOSURE W/O KO 16x12x6	**44.09**	A	3	36.0	33685
12186 SC NK	SC ENCLOSURE W/O KO 18x12x6	**48.96**	A	3	40.0	22711
12246 SC NK	SC ENCLOSURE W/O KO 24x12x6	**60.56**	A	2	34.0	33775
15186 SC NK	SC ENCLOSURE W/O KO 18x15x6	**53.04**	A	2	32.0	33815
16166 SC NK	SC ENCLOSURE W/O KO 16x16x6	**51.45**	A	2	30.0	33825
18186 SC NK	SC ENCLOSURE W/O KO 18x18x6	**64.23**	A	2	35.0	23031
18246 SC NK	SC ENCLOSURE W/O KO 24x18x6	**100.75**	A	2	43.0	33905
18306 SC NK	SC ENCLOSURE W/O KO 30x18x6	**147.12**	A	2	56.0	33930
24246 SC NK	SC ENCLOSURE W/O KO 24x24x6	**129.85**	A	2	78.0	23301
24306 SC NK	SC ENCLOSURE W/O KO 30x24x6	**155.71**	A	2	80.0	24055
24366 SC NK	SC ENCLOSURE W/O KO 36x24x6	**181.38**	A	1	45.0	24090
30306 SC NK	SC ENCLOSURE W/O KO 30x30x6	**237.04**	A	1	76.0	23470
30366 SC NK	SC ENCLOSURE W/O KO 36x30x6	**233.92**	A	1	95.0	30395
36366 SC NK	SC ENCLOSURE W/O KO 36x36x6	**268.05**	A	1	104.0	23455
36486 SC NK	SC ENCLOSURE W/O KO 48x36x6	**521.18**	A	1	122.0	20490
48486 SC NK	SC ENCLOSURE W/O KO 48x48x6	**682.65**	A	1	168.0	20494
8.0 Depth						
888 SC NK	SC ENCLOSURE W/O KO 8x8x8	**38.97**	A	4	28.0	88800
12128 SC NK	SC ENCLOSURE W/O KO 12x12x8	**40.10**	A	4	46.0	22601
12168 SC NK	SC ENCLOSURE W/O KO 16x12x8	**56.70**	A	1	15.0	33690
12188 SC NK	SC ENCLOSURE W/O KO 18x12x8	**58.59**	A	1	16.0	22721
12248 SC NK	SC ENCLOSURE W/O KO 24x12x8	**65.80**	A	2	38.0	33785
18188 SC NK	SC ENCLOSURE W/O KO 18x18x8	**72.21**	A	1	21.0	23041
18248 SC NK	SC ENCLOSURE W/O KO 24x18x8	**148.48**	A	1	26.0	33915
24248 SC NK	SC ENCLOSURE W/O KO 24x24x8	**151.04**	A	1	38.0	23311
24308 SC NK	SC ENCLOSURE W/O KO 30x24x8	**161.52**	A	1	43.5	24060
24368 SC NK	SC ENCLOSURE W/O KO 36x24x8	**198.49**	A	1	49.0	24095
30308 SC NK	SC ENCLOSURE W/O KO 30x30x8	**266.09**	A	1	81.0	23480
10.0 Depth						
121810 SC NK	SC ENCLOSURE W/O KO 18x12x10	**68.81**	A	1	21.0	33710
122410 SC NK	SC ENCLOSURE W/O KO 24x12x10	**78.47**	A	1	25.0	33750
181810 SC NK	SC ENCLOSURE W/O KO 18x18x10	**95.84**	A	1	28.0	33840
182410 SC NK	SC ENCLOSURE W/O KO 24x18x10	**170.96**	A	1	38.0	32430
242410 SC NK	SC ENCLOSURE W/O KO 24x24x10	**210.00**	A	1	45.0	24010
243010 SC NK	SC ENCLOSURE W/O KO 30x24x10	**249.76**	A	1	50.0	24035
243610 SC NK	SC ENCLOSURE W/O KO 36x24x10	**283.36**	A	1	56.0	24070
303010 SC NK	SC ENCLOSURE W/O KO 30x30x10	**328.86**	A	1	90.0	23490

TYPE 1 SCREW COVER ENCLOSURES - PAINTED
(cont.)



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Painted Enclosures Without Knockouts - cont.						
	12.0 Depth					
122412 SC NK	SC ENCLOSURE W/O KO 24x12x12	**88.62**	A	1	31.0	33755
181812 SC NK	SC ENCLOSURE W/O KO 18x18x12	**106.24**	A	1	33.0	33850
182412 SC NK	SC ENCLOSURE W/O KO 24x18x12	**185.76**	A	1	41.0	33890
242412 SC NK	SC ENCLOSURE W/O KO 24x24x12	**227.52**	A	1	53.0	23331
243012 SC NK	SC ENCLOSURE W/O KO 30x24x12	**272.32**	A	1	63.0	24045
243612 SC NK	SC ENCLOSURE W/O KO 36x24x12	**304.40**	A	1	70.0	24080
303012 SC NK	SC ENCLOSURE W/O KO 30x30x12	**355.59**	A	1	95.0	23501
363612 SC NK	SC ENCLOSURE W/O KO 36x36x12	**410.98**	A	1	140.0	23620
Painted Surface Covers (Replacement)						
44 SCS	SC 4x4 COVER SURFACE	**2.38**	A	1	0.5	10848
46 SCS	SC 6x4 COVER SURFACE	**2.64**	A	1	0.5	10815
66 SCS	SC 6x6 COVER SURFACE	**3.60**	A	1	0.8	10852
68 SCS	SC 8x6 COVER SURFACE	**3.96**	A	1	1.0	10869
612 SCS	SC 12x6 COVER SURFACE	**5.85**	A	1	1.0	61010
88 SCS	SC 8x8 COVER SURFACE	**4.77**	A	1	1.0	12452
810 SCS	SC 10x8 COVER SURFACE	**5.40**	A	1	1.2	81007
812 SCS	SC 12x8 COVER SURFACE	**6.12**	A	1	1.4	22266
1010 SCS	SC 10x10 COVER SURFACE	**6.30**	A	1	1.5	10908
1012 SCS	SC 12x10 COVER SURFACE	**7.02**	A	1	2.0	11020
1212 SCS	SC 12x12 COVER SURFACE	**7.83**	A	1	2.1	11214
1216 SCS	SC 16x12 COVER SURFACE	**11.07**	A	1	2.9	32349
1218 SCS	SC 18x12 COVER SURFACE	**10.71**	A	1	3.2	11219
1224 SCS	SC 24x12 COVER SURFACE	**14.03**	A	1	4.3	50105
1518 SCS	SC 18x15 COVER SURFACE	**11.95**	A	1	4.0	46130
1616 SCS	SC 16x16 COVER SURFACE	**12.37**	A	1	3.8	22955
1818 SCS	SC 18x18 COVER SURFACE	**15.39**	A	1	4.8	40202
1824 SCS	SC 24x18 COVER SURFACE	**27.60**	A	1	8.2	18242
1830 SCS	SC 30x18 COVER SURFACE	**39.36**	A	1	5.7	33922
2424 SCS	SC 24x24 COVER SURFACE	**34.00**	A	1	12.0	24225
2430 SCS	SC 30x24 COVER SURFACE	**42.84**	A	1	14.0	24278
2436 SCS	SC 36x24 COVER SURFACE	**44.80**	A	1	16.4	36505
3030 SCS	SC 30x30 COVER SURFACE	**73.98**	A	1	24.5	30302
3036 SCS	SC 36x30 COVER SURFACE	**78.88**	A	1	29.0	30101
3636 SCS	SC 36x36 COVER SURFACE	**106.56**	A	1	35.0	36361
3648 SCS	SC 48x36 COVER SURFACE	**118.35**	A	1	46.5	36367
4848 SCS	SC 48x48 COVER SURFACE	**157.50**	A	1	62.0	46278
Painted Flush Covers (Optional)						
44 SCF	SC 4x4 COVER FLUSH	**2.38**	A	1	0.5	10943
46 SCF	SC 6x4 COVER FLUSH	**2.64**	A	1	1.0	10846
66 SCF	SC 6x6 COVER FLUSH	**3.60**	A	1	1.0	10866
68 SCF	SC 8x6 COVER FLUSH	**3.96**	A	1	1.5	10868
612 SCF	SC 12x6 COVER FLUSH	**5.85**	A	1	1.0	61006
88 SCF	SC 8x8 COVER FLUSH	**4.77**	A	1	1.3	18800
810 SCF	SC 10x8 COVER FLUSH	**5.40**	A	1	1.6	81005
812 SCF	SC 12x8 COVER FLUSH	**6.12**	A	1	1.9	11812
1010 SCF	SC 10x10 COVER FLUSH	**6.30**	A	1	2.0	10102
1012 SCF	SC 12x10 COVER FLUSH	**7.02**	A	1	2.5	11012
1212 SCF	SC 12x12 COVER FLUSH	**7.83**	A	1	2.7	11212
1216 SCF	SC 16x12 COVER FLUSH	**11.07**	A	1	3.5	32348
1218 SCF	SC 18x12 COVER FLUSH	**10.71**	A	1	3.9	11218
1224 SCF	SC 24x12 COVER FLUSH	**14.03**	A	1	5.1	50100
1518 SCF	SC 18x15 COVER FLUSH	**11.95**	A	1	4.8	46125

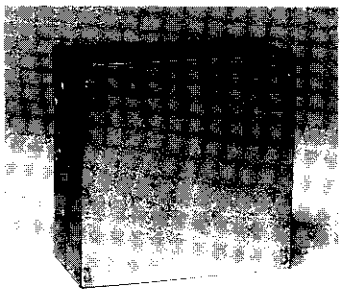
TYPE 1 SCREW COVER ENCLOSURES - PAINTED (cont.)



Painted Flush Covers (Optional) - cont.

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
1616 SCF	SC COVER FLUSH 16x16	**12.37**	A	1	4.6	22945
1818 SCF	SC COVER FLUSH 18x18	**15.39**	A	1	5.7	40200
1824 SCF	SC COVER FLUSH 24x18	**27.60**	A	1	9.4	18241
1830 SCF	SC COVER FLUSH 30x18	**39.36**	A	1	5.7	33920
2424 SCF	SC COVER FLUSH 24x24	**34.00**	A	1	12.3	24220
2430 SCF	SC COVER FLUSH 30x24	**42.84**	A	1	15.5	24277
2436 SCF	SC COVER FLUSH 36x24	**44.80**	A	1	18.1	36500
3030 SCF	SC COVER FLUSH 30x30	**73.98**	A	1	28.0	30300
3036 SCF	SC COVER FLUSH 36x30	**78.88**	A	1	32.0	30100
3636 SCF	SC COVER FLUSH 36x36	**106.56**	A	1	38.0	36360
3648 SCF	SC COVER FLUSH 48x36	**118.35**	A	1	50.0	36366
4848 SCF	SC COVER FLUSH 48x48	**157.50**	A	1	66.0	46276

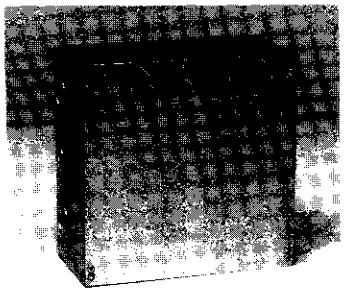
TYPE 1 SCREW COVER ENCLOSURES - GALVANIZED



Galvanized Enclosures With Knockouts

	3.0 Depth					
663 SCGV	GALV SC ENCLOSURE W/KO 6x6x3	**13.73**	A	12	30.0	00166
	4.0 Depth					
444 SCGV	GALV SC ENCLOSURE W/KO 4x4x4	**9.26**	A	6	10.0	00167
644 SCGV	GALV SC ENCLOSURE W/KO 6x4x4	**11.05**	A	4	10.0	00165
664 SCGV	GALV SC ENCLOSURE W/KO 6x6x4	**13.23**	A	12	34.0	00168
864 SCGV	GALV SC ENCLOSURE W/KO 8x6x4	**15.56**	A	12	42.0	00169
884 SCGV	GALV SC ENCLOSURE W/KO 8x8x4	**18.16**	A	6	26.0	00170
1084 SCGV	GALV SC ENCLOSURE W/KO 10x8x4	**20.83**	A	6	31.0	00171
10104 SCGV	GALV SC ENCLOSURE W/KO 10x10x4	**23.93**	A	3	18.0	00155
1264 SCGV	GALV SC ENCLOSURE W/KO 12x6x4	**22.00**	A	6	29.0	00161
1284 SCGV	GALV SC ENCLOSURE W/KO 12x8x4	**23.61**	A	4	23.0	00172
12104 SCGV	GALV SC ENCLOSURE W/KO 12x10x4	**27.05**	A	3	21.0	00173
12124 SCGV	GALV SC ENCLOSURE W/KO 12x12x4	**30.74**	A	6	50.3	00174
16124 SCGV	GALV SC ENCLOSURE W/KO 16x12x4	**37.83**	A	2	20.0	00175
16164 SCGV	GALV SC ENCLOSURE W/KO 16x16x4	**49.81**	A	3	39.0	00162
18124 SCGV	GALV SC ENCLOSURE W/KO 18x12x4	**41.39**	A	2	22.0	00176
18154 SCGV	GALV SC ENCLOSURE W/KO 18x15x4	**48.13**	A	3	42.0	00178
18184 SCGV	GALV SC ENCLOSURE W/KO 18x18x4	**52.29**	A	3	45.0	00164
24124 SCGV	GALV SC ENCLOSURE W/KO 24x12x4	**56.36**	A	4	61.0	00177
24184 SCGV	GALV SC ENCLOSURE W/KO 24x18x4	**101.02**	A	2	38.0	00179
24244 SCGV	GALV SC ENCLOSURE W/KO 24x24x4	**110.00**	A	2	71.0	00181
30184 SCGV	GALV SC ENCLOSURE W/KO 30x18x4	**138.17**	A	1	26.0	00180
30244 SCGV	GALV SC ENCLOSURE W/KO 30x24x4	**144.86**	A	1	33.0	00182
36244 SCGV	GALV SC ENCLOSURE W/KO 36x24x4	**160.85**	A	1	39.0	00183

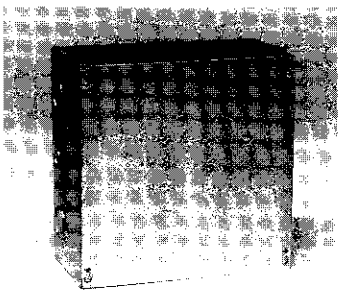
TYPE 1 SCREW COVER ENCLOSURES - GALVANIZED (cont.)



Galvanized Enclosures With Knockouts - cont.

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 Depth						
666 SCGV	GALV SC ENCLOSURE W/KO 6x6x6	**16.00**	A	6	22.0	00184
866 SCGV	GALV SC ENCLOSURE W/KO 8x6x6	**19.17**	A	6	26.0	00185
886 SCGV	GALV SC ENCLOSURE W/KO 8x8x6	**21.80**	A	4	21.0	00187
1086 SCGV	GALV SC ENCLOSURE W/KO 10x8x6	**24.82**	A	4	24.0	00188
10106 SCGV	GALV SC ENCLOSURE W/KO 10x10x6	**28.36**	A	2	14.0	00158
1266 SCGV	GALV SC ENCLOSURE W/KO 12x6x6	**24.48**	A	4	24.7	00186
1286 SCGV	GALV SC ENCLOSURE W/KO 12x8x6	**29.07**	A	3	21.0	00189
12106 SCGV	GALV SC ENCLOSURE W/KO 12x10x6	**32.03**	A	2	16.0	00159
12126 SCGV	GALV SC ENCLOSURE W/KO 12x12x6	**36.04**	A	4	36.0	00190
16126 SCGV	GALV SC ENCLOSURE W/KO 16x12x6	**44.09**	A	3	34.0	00191
16166 SCGV	GALV SC ENCLOSURE W/KO 16x16x6	**51.45**	A	2	30.0	00195
18126 SCGV	GALV SC ENCLOSURE W/KO 18x12x6	**48.13**	A	3	38.0	00192
18156 SCGV	GALV SC ENCLOSURE W/KO 18x15x6	**53.04**	A	2	32.0	00194
18186 SCGV	GALV SC ENCLOSURE W/KO 18x18x6	**64.23**	A	2	35.0	00160
24126 SCGV	GALV SC ENCLOSURE W/KO 24x12x6	**60.56**	A	2	33.0	00193
24186 SCGV	GALV SC ENCLOSURE W/KO 24x18x6	**100.75**	A	2	52.0	00157
24246 SCGV	GALV SC ENCLOSURE W/KO 24x24x6	**129.85**	A	2	72.0	00197
30186 SCGV	GALV SC ENCLOSURE W/KO 30x18x6	**147.12**	A	2	56.0	00196
30246 SCGV	GALV SC ENCLOSURE W/KO 30x24x6	**147.93**	A	2	94.0	00198
36246 SCGV	GALV SC ENCLOSURE W/KO 36x24x6	**172.31**	A	1	53.0	00199
8.0 Depth						
888 SCGV	GALV SC ENCLOSURE W/KO 8x8x8	**38.97**	A	4	7.0	00200
12128 SCGV	GALV SC ENCLOSURE W/KO 12x12x8	**38.10**	A	4	11.0	00201
16128 SCGV	GALV SC ENCLOSURE W/KO 16x12x8	**56.70**	A	1	15.0	00202
18128 SCGV	GALV SC ENCLOSURE W/KO 18x12x8	**58.59**	A	1	16.0	00203
18188 SCGV	GALV SC ENCLOSURE W/KO 18x18x8	**68.60**	A	1	21.0	00205
24128 SCGV	GALV SC ENCLOSURE W/KO 24x12x8	**65.80**	A	2	19.0	00204
24188 SCGV	GALV SC ENCLOSURE W/KO 24x18x8	**148.48**	A	1	26.0	00206
24248 SCGV	GALV SC ENCLOSURE W/KO 24x24x8	**136.49**	A	1	44.0	00207
30248 SCGV	GALV SC ENCLOSURE W/KO 30x24x8	**161.52**	A	1	43.5	00208
36248 SCGV	GALV SC ENCLOSURE W/KO 36x24x8	**188.57**	A	1	58.0	00209
10.0 Depth						
181210 SCGV	GALV SC ENCLOSURE W/KO 18x12x10	**68.81**	A	1	21.0	00210
181810 SCGV	GALV SC ENCLOSURE W/KO 18x18x10	**95.84**	A	1	28.0	00212
241210 SCGV	GALV SC ENCLOSURE W/KO 24x12x10	**78.47**	A	1	25.0	00211
241810 SCGV	GALV SC ENCLOSURE W/KO 24x18x10	**170.96**	A	1	38.0	00213
242410 SCGV	GALV SC ENCLOSURE W/KO 24x24x10	**210.00**	A	1	46.0	00214
302410 SCGV	GALV SC ENCLOSURE W/KO 30x24x10	**249.76**	A	1	50.0	00215
362410 SCGV	GALV SC ENCLOSURE W/KO 36x24x10	**283.36**	A	1	66.0	00216
12.0 Depth						
121212 SCGV	GALV SC ENCLOSURE W/KO 12x12x12	**80.60**	A	1	11.0	00356
181812 SCGV	GALV SC ENCLOSURE W/KO 18x18x12	**106.24**	A	1	33.0	00218
241212 SCGV	GALV SC ENCLOSURE W/KO 24x12x12	**88.62**	A	1	31.0	00217
241812 SCGV	GALV SC ENCLOSURE W/KO 24x18x12	**185.76**	A	1	41.0	00219
242412 SCGV	GALV SC ENCLOSURE W/KO 24x24x12	**227.52**	A	1	53.0	00220
302412 SCGV	GALV SC ENCLOSURE W/KO 30x24x12	**272.32**	A	1	63.0	00221
362412 SCGV	GALV SC ENCLOSURE W/KO 36x24x12	**304.40**	A	1	70.0	00222

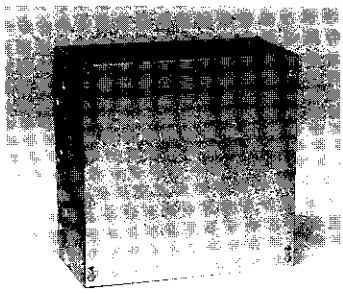
TYPE 1 SCREW COVER ENCLOSURES - GALVANIZED (cont.)



Galvanized Enclosures Without Knockouts

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
3.0 Depth						
663 SCGV NK	GALV SC ENCLOSURE W/O KO 6x6x3	**13.73**	A	12	30.0	00223
4.0 Depth						
444 SCGV NK	GALV SC ENCLOSURE W/O KO 4x4x4	**8.80**	A	6	10.0	00224
644 SCGV NK	GALV SC ENCLOSURE W/O KO 6x4x4	**10.50**	A	4	10.0	00225
664 SCGV NK	GALV SC ENCLOSURE W/O KO 6x6x4	**12.57**	A	12	34.0	00226
864 SCGV NK	GALV SC ENCLOSURE W/O KO 8x6x4	**14.78**	A	12	42.0	00227
884 SCGV NK	GALV SC ENCLOSURE W/O KO 8x8x4	**17.25**	A	6	26.0	00229
1084 SCGV NK	GALV SC ENCLOSURE W/O KO 10x8x4	**19.79**	A	6	31.0	00230
10104 SCGV NK	GALV SC ENCLOSURE W/O KO 10x10x4	**22.73**	A	3	18.0	00156
1264 SCGV NK	GALV SC ENCLOSURE W/O KO 12x6x4	**22.00**	A	6	29.0	00228
1284 SCGV NK	GALV SC ENCLOSURE W/O KO 12x8x4	**22.43**	A	4	23.0	00231
12104 SCGV NK	GALV SC ENCLOSURE W/O KO 12x10x4	**25.70**	A	3	21.0	00232
12124 SCGV NK	GALV SC ENCLOSURE W/O KO 12x12x4	**29.20**	A	6	50.3	00233
16124 SCGV NK	GALV SC ENCLOSURE W/O KO 16x12x4	**35.93**	A	2	20.0	00234
16164 SCGV NK	GALV SC ENCLOSURE W/O KO 16x16x4	**49.81**	A	3	39.0	00238
18124 SCGV NK	GALV SC ENCLOSURE W/O KO 18x12x4	**39.35**	A	2	22.0	00235
18154 SCGV NK	GALV SC ENCLOSURE W/O KO 18x15x4	**48.13**	A	3	42.0	00237
18184 SCGV NK	GALV SC ENCLOSURE W/O KO 18x18x4	**49.67**	A	3	45.0	00239
24124 SCGV NK	GALV SC ENCLOSURE W/O KO 24x12x4	**56.36**	A	4	61.0	00236
24184 SCGV NK	GALV SC ENCLOSURE W/O KO 24x18x4	**101.02**	A	2	38.0	00240
24244 SCGV NK	GALV SC ENCLOSURE W/O KO 24x24x4	**104.50**	A	2	71.0	00242
30184 SCGV NK	GALV SC ENCLOSURE W/O KO 30x18x4	**138.17**	A	1	26.0	00241
30244 SCGV NK	GALV SC ENCLOSURE W/O KO 30x24x4	**144.86**	A	1	33.0	00243
30304 SCGV NK	GALV SC ENCLOSURE W/O KO 30x30x4	**157.33**	A	1	74.0	00245
36244 SCGV NK	GALV SC ENCLOSURE W/O KO 36x24x4	**160.85**	A	1	39.0	00244
36304 SCGV NK	GALV SC ENCLOSURE W/O KO 36x30x4	**200.46**	A	1	84.0	00246
36364 SCGV NK	GALV SC ENCLOSURE W/O KO 36x36x4	**200.46**	A	1	76.0	00247
48364 SCGV NK	GALV SC ENCLOSURE W/O KO 48x36x4	**368.04**	A	1	100.0	00248
48484 SCGV NK	GALV SC ENCLOSURE W/O KO 48x48x4	**509.70**	A	1	135.0	00249
6.0 Depth						
666 SCGV NK	GALV SC ENCLOSURE W/O KO 6x6x6	**15.20**	A	6	22.0	00250
866 SCGV NK	GALV SC ENCLOSURE W/O KO 8x6x6	**19.17**	A	6	26.0	00251
886 SCGV NK	GALV SC ENCLOSURE W/O KO 8x8x6	**20.71**	A	4	21.0	00253
1086 SCGV NK	GALV SC ENCLOSURE W/O KO 10x8x6	**23.58**	A	4	24.0	00254
10106 SCGV NK	GALV SC ENCLOSURE W/O KO 10x10x6	**26.95**	A	2	7.0	00256
1266 SCGV NK	GALV SC ENCLOSURE W/O KO 12x6x6	**24.48**	A	4	25.0	00252
1286 SCGV NK	GALV SC ENCLOSURE W/O KO 12x8x6	**29.07**	A	3	21.0	00255
12106 SCGV NK	GALV SC ENCLOSURE W/O KO 12x10x6	**30.43**	A	2	16.0	00257
12126 SCGV NK	GALV SC ENCLOSURE W/O KO 12x12x6	**34.24**	A	4	36.0	00258
16126 SCGV NK	GALV SC ENCLOSURE W/O KO 16x12x6	**41.89**	A	3	34.0	00259
16166 SCGV NK	GALV SC ENCLOSURE W/O KO 16x16x6	**51.21**	A	2	30.0	00263
18126 SCGV NK	GALV SC ENCLOSURE W/O KO 18x12x6	**45.72**	A	3	38.0	00260
18156 SCGV NK	GALV SC ENCLOSURE W/O KO 18x15x6	**53.04**	A	2	32.0	00262
18186 SCGV NK	GALV SC ENCLOSURE W/O KO 18x18x6	**61.02**	A	2	35.0	00264
24126 SCGV NK	GALV SC ENCLOSURE W/O KO 24x12x6	**60.56**	A	2	33.0	00261
24186 SCGV NK	GALV SC ENCLOSURE W/O KO 24x18x6	**95.71**	A	2	43.0	00265
24246 SCGV NK	GALV SC ENCLOSURE W/O KO 24x24x6	**123.36**	A	2	72.0	00267
30186 SCGV NK	GALV SC ENCLOSURE W/O KO 30x18x6	**147.12**	A	2	56.0	00266
30246 SCGV NK	GALV SC ENCLOSURE W/O KO 30x24x6	**147.93**	A	2	94.0	00268

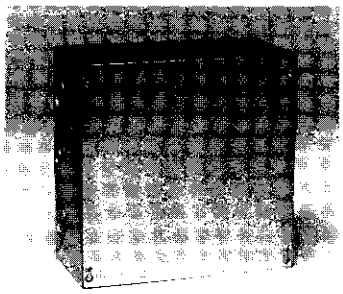
TYPE 1 SCREW COVER ENCLOSURES - GALVANIZED (cont.)



Galvanized Enclosures Without Knockouts - cont.

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
6.0 Depth - cont.						
30306 SCGV NK	GALV SC ENCLOSURE W/O KO 30x30x6	**237.04**	A	1	73.1	00270
36246 SCGV NK	GALV SC ENCLOSURE W/O KO 36x24x6	**172.31**	A	1	45.0	00269
36306 SCGV NK	GALV SC ENCLOSURE W/O KO 36x30x6	**333.92**	A	1	95.0	00271
36366 SCGV NK	GALV SC ENCLOSURE W/O KO 36x36x6	**241.90**	A	1	104.0	00272
48366 SCGV NK	GALV SC ENCLOSURE W/O KO 48x36x6	**521.18**	A	1	122.9	00273
48486 SCGV NK	GALV SC ENCLOSURE W/O KO 48x48x6	**682.65**	A	1	168.0	00274
8.0 Depth						
888 SCGV NK	GALV SC ENCLOSURE W/O KO 8x8x8	**38.97**	A	4	28.0	00275
12128 SCGV NK	GALV SC ENCLOSURE W/O KO 12x12x8	**36.19**	A	4	44.0	00163
16128 SCGV NK	GALV SC ENCLOSURE W/O KO 16x12x8	**56.70**	A	1	15.0	00276
18128 SCGV NK	GALV SC ENCLOSURE W/O KO 18x12x8	**58.59**	A	1	16.0	00277
18188 SCGV NK	GALV SC ENCLOSURE W/O KO 18x18x8	**68.60**	A	1	21.0	00279
24128 SCGV NK	GALV SC ENCLOSURE W/O KO 24x12x8	**65.80**	A	2	38.0	00278
24188 SCGV NK	GALV SC ENCLOSURE W/O KO 24x18x8	**148.48**	A	1	26.0	00280
24248 SCGV NK	GALV SC ENCLOSURE W/O KO 24x24x8	**136.49**	A	1	44.0	00281
30248 SCGV NK	GALV SC ENCLOSURE W/O KO 30x24x8	**161.52**	A	1	43.5	00282
30308 SCGV NK	GALV SC ENCLOSURE W/O KO 30x30x8	**252.79**	A	1	81.0	00284
36248 SCGV NK	GALV SC ENCLOSURE W/O KO 36x24x8	**188.57**	A	1	58.0	00283
36368 SCGV NK	GALV SC ENCLOSURE W/O KO 36x36x8	**297.00**	A	1	120.0	00359
10.0 Depth						
181210 SCGV NK	GALV SC ENCLOSURE W/O KO 18x12x10	**68.81**	A	1	21.0	00285
181810 SCGV NK	GALV SC ENCLOSURE W/O KO 18x18x10	**95.84**	A	1	28.0	00287
241210 SCGV NK	GALV SC ENCLOSURE W/O KO 24x12x10	**78.47**	A	1	25.0	00286
241810 SCGV NK	GALV SC ENCLOSURE W/O KO 24x18x10	**170.96**	A	1	38.0	00288
242410 SCGV NK	GALV SC ENCLOSURE W/O KO 24x24x10	**210.00**	A	1	46.0	00289
302410 SCGV NK	GALV SC ENCLOSURE W/O KO 30x24x10	**249.76**	A	1	50.0	00290
303010 SCGV NK	GALV SC ENCLOSURE W/O KO 30x30x10	**328.86**	A	1	90.0	00292
362410 SCGV NK	GALV SC ENCLOSURE W/O KO 36x24x10	**283.36**	A	1	56.0	00291
363610 SCGV NK	GALV SC ENCLOSURE W/O KO 36x36x10	**323.70**	A	1	125.0	00358
12.0 Depth						
121212 SCGV NK	GALV SC ENCLOSURE W/O KO 12x12x12	**80.60**	A	1	11.0	00357
181812 SCGV NK	GALV SC ENCLOSURE W/O KO 18x18x12	**106.24**	A	1	33.0	00294
241212 SCGV NK	GALV SC ENCLOSURE W/O KO 24x12x12	**88.62**	A	1	31.0	00293
241812 SCGV NK	GALV SC ENCLOSURE W/O KO 24x18x12	**185.76**	A	1	41.0	00295
242412 SCGV NK	GALV SC ENCLOSURE W/O KO 24x24x12	**227.52**	A	1	53.0	00296
302412 SCGV NK	GALV SC ENCLOSURE W/O KO 30x24x12	**272.32**	A	1	63.0	00297
303012 SCGV NK	GALV SC ENCLOSURE W/O KO 30x30x12	**355.59**	A	1	95.0	00299
362412 SCGV NK	GALV SC ENCLOSURE W/O KO 36x24x12	**304.40**	A	1	70.0	00298
363612 SCGV NK	GALV SC ENCLOSURE W/O KO 36x36x12	**390.43**	A	1	140.0	00300

TYPE 1 SCREW COVER ENCLOSURES - GALVANIZED (cont.)



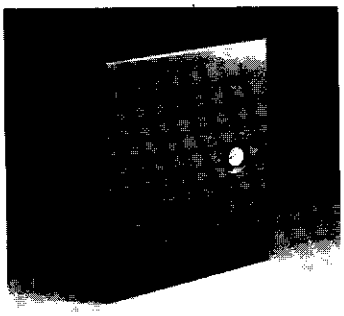
Galvanized Surface Covers (Replacement)

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
44 SCSGV	GALV SC 4x4 COVER SURFACE	**2.38**	A	1	0.3	00302
64 SCSGV	GALV SC 6x4 COVER SURFACE	**2.64**	A	1	0.4	00303
66 SCSGV	GALV SC 6x6 COVER SURFACE	**3.60**	A	1	0.8	00301
86 SCSGV	GALV SC 8x6 COVER SURFACE	**3.96**	A	1	0.5	00304
88 SCSGV	GALV SC 8x8 COVER SURFACE	**4.77**	A	1	1.0	00306
108 SCSGV	GALV SC 10x8 COVER SURFACE	**5.40**	A	1	1.2	00307
1010 SCSGV	GALV SC 10x10 COVER SURFACE	**6.30**	A	1	1.5	00309
126 SCSGV	GALV SC 12x6 COVER SURFACE	**5.85**	A	1	1.0	0030
128 SCSGV	GALV SC 12x8 COVER SURFACE	**6.12**	A	1	1.4	00308
1210 SCSGV	GALV SC 12x10 COVER SURFACE	**7.02**	A	1	2.0	00310
1212 SCSGV	GALV SC 12x12 COVER SURFACE	**7.83**	A	1	2.1	00311
1612 SCSGV	GALV SC 16x12 COVER SURFACE	**11.07**	A	1	2.9	00312
1616 SCSGV	GALV SC 16x16 COVER SURFACE	**12.37**	A	1	3.8	00316
1812 SCSGV	GALV SC 18x12 COVER SURFACE	**10.71**	A	1	3.2	00313
1815 SCSGV	GALV SC 18x15 COVER SURFACE	**11.95**	A	1	4.0	00315
1818 SCSGV	GALV SC 18x18 COVER SURFACE	**15.39**	A	1	4.8	00317
2412 SCSGV	GALV SC 24x12 COVER SURFACE	**14.03**	A	1	4.3	00314
2418 SCSGV	GALV SC 24x18 COVER SURFACE	**27.60**	A	1	8.2	00318
2424 SCSGV	GALV SC 24x24 COVER SURFACE	**34.00**	A	1	12.0	00320
3018 SCSGV	GALV SC 30x18 COVER SURFACE	**39.36**	A	1	5.7	00319
3024 SCSGV	GALV SC 30x24 COVER SURFACE	**42.84**	A	1	14.0	00321
3030 SCSGV	GALV SC 30x30 COVER SURFACE	**73.98**	A	1	24.5	00323
3630 SCSGV	GALV SC 36x30 COVER SURFACE	**78.88**	A	1	29.0	00324
3624 SCSGV	GALV SC 36x24 COVER SURFACE	**44.80**	A	1	18.1	00322
3636 SCSGV	GALV SC 36x36 COVER SURFACE	**106.56**	A	1	35.0	00325
4836 SCSGV	GALV SC 48x36 COVER SURFACE	**118.35**	A	1	46.5	00326
4848 SCSGV	GALV SC 48x48 COVER SURFACE	**157.50**	A	1	62.0	00327

Galvanized Flush Covers (Optional)

44 SCFGV	GALV SC 4x4 COVER FLUSH	**2.38**	A	1	0.3	00329
64 SCFGV	GALV SC 6x4 COVER FLUSH	**2.64**	A	1	0.4	00330
66 SCFGV	GALV SC 6x6 COVER FLUSH	**3.60**	A	1	1.0	00328
86 SCFGV	GALV SC 8x6 COVER FLUSH	**3.96**	A	1	0.5	00331
88 SCFGV	GALV SC 8x8 COVER FLUSH	**4.77**	A	1	1.3	00333
108 SCFGV	GALV SC 10x8 COVER FLUSH	**5.40**	A	1	1.6	00334
1010 SCFGV	GALV SC 10x10 COVER FLUSH	**6.30**	A	1	2.0	00336
1210 SCFGV	GALV SC 12x10 COVER FLUSH	**7.02**	A	1	2.5	00337
1212 SCFGV	GALV SC 12x12 COVER FLUSH	**7.83**	A	1	2.7	00338
126 SCFGV	GALV SC 12x6 COVER FLUSH	**5.85**	A	1	1.0	00332
128 SCFGV	GALV SC 12x8 COVER FLUSH	**6.12**	A	1	1.9	00335
1612 SCFGV	GALV SC 16x12 COVER FLUSH	**11.07**	A	1	3.5	00339
1616 SCFGV	GALV SC 16x16 COVER FLUSH	**12.37**	A	1	4.6	00343
1812 SCFGV	GALV SC 18x12 COVER FLUSH	**10.71**	A	1	3.9	00340
1815 SCFGV	GALV SC 18x15 COVER FLUSH	**11.95**	A	1	4.8	00342
1818 SCFGV	GALV SC 18x18 COVER FLUSH	**15.39**	A	1	5.7	00344
2412 SCFGV	GALV SC 24x12 COVER FLUSH	**14.03**	A	1	5.1	00341
2418 SCFGV	GALV SC 24x18 COVER FLUSH	**27.60**	A	1	9.4	00345
2424 SCFGV	GALV SC 24x24 COVER FLUSH	**34.00**	A	1	12.3	00347
3018 SCFGV	GALV SC 30x18 COVER FLUSH	**39.36**	A	1	5.7	00346
3024 SCFGV	GALV SC 30x24 COVER FLUSH	**42.84**	A	1	15.5	00348
3030 SCFGV	GALV SC 30x30 COVER FLUSH	**73.98**	A	1	28.0	00350
3624 SCFGV	GALV SC 36x24 COVER FLUSH	**44.80**	A	1	18.1	00349
3630 SCFGV	GALV SC 36x30 COVER FLUSH	**78.88**	A	1	32.0	00351
3636 SCFGV	GALV SC 36x36 COVER FLUSH	**106.56**	A	1	38.0	00352
4836 SCFGV	GALV SC 48x36 COVER FLUSH	**118.35**	A	1	50.0	00353
4848 SCFGV	GALV SC 48x48 COVER FLUSH	**157.50**	A	1	66.0	00354

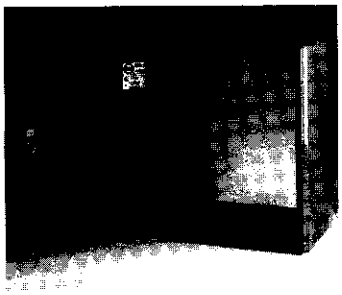
TYPE 1 SMALL ENCLOSURES



Panel not included

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	4.0 Depth					
664-1	TYPE 1 ENCLOSURE LESS PANEL 6x6x4	**35.63**	C	1	4.0	79200
864-1	TYPE 1 ENCLOSURE LESS PANEL 8x6x4	**38.87**	C	1	4.5	79210
884-1	TYPE 1 ENCLOSURE LESS PANEL 8x8x4	**43.17**	C	1	5.5	79220
1084-1	TYPE 1 ENCLOSURE LESS PANEL 10x8x4	**47.40**	C	1	6.5	79230
10104-1	TYPE 1 ENCLOSURE LESS PANEL 10x10x4	**52.13**	C	1	7.0	79240
12104-1	TYPE 1 ENCLOSURE LESS PANEL 12x10x4	**56.99**	C	1	8.0	79250
12124-1	TYPE 1 ENCLOSURE LESS PANEL 12x12x4	**62.45**	C	1	10.0	79260
14124-1	TYPE 1 ENCLOSURE LESS PANEL 14x12x4	**68.02**	C	1	11.0	79270
	6.0 Depth					
1086-1	TYPE 1 ENCLOSURE LESS PANEL 10x8x6	**53.57**	C	1	8.0	20004
12106-1	TYPE 1 ENCLOSURE LESS PANEL 12x10	**64.50**	C	1	10.0	79280
12126-1	TYPE 1 ENCLOSURE LESS PANEL 12x12	**70.78**	C	1	12.0	79290
14126-1	TYPE 1 ENCLOSURE LESS PANEL 14x12	**77.06**	C	1	13.0	79300
	8.0 Depth					
12128-1	TYPE 1 ENCLOSURE LESS PANEL 12x12	**79.06**	C	1	24.0	32310
	Optional Panels					
N66P	PANEL, WHT STL FOR ENCLOSURE 6x6	**3.05**	A	1	0.5	37719
N86P	PANEL, WHT STL FOR ENCLOSURE 8x6	**3.59**	A	1	0.8	37721
N88P	PANEL, WHT STL FOR ENCLOSURE 8x8	**4.20**	A	1	1.0	37723
N108P	PANEL, WHT STL FOR ENCLOSURE 10x8	**5.57**	A	1	1.3	37722
N1010P	PANEL, WHT STL FOR ENCLOSURE 10x10	**6.60**	A	1	1.5	37695
N1210P	PANEL, WHT STL FOR ENCLOSURE 12x10	**7.55**	A	1	1.8	37696
N1212P	PANEL, WHT STL FOR ENCLOSURE 12x12	**8.90**	A	1	2.3	37698
N1412P	PANEL, WHT STL FOR ENCLOSURE 14x12	**9.90**	A	1	3.0	37699

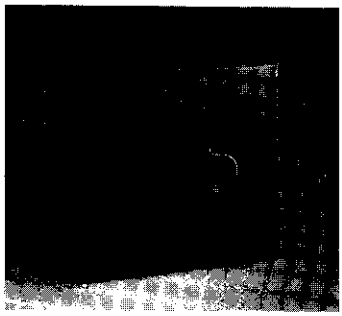
TYPE 1 LARGE ENCLOSURES



Panel included

	6.0 Depth					
16126-1	TYPE 1 ENCLOSURE W/ PANEL 16x12x6.62	**116.81**	C	1	22.0	79000
20166-1	TYPE 1 ENCLOSURE W/ PANEL 20x16x6.62	**144.27**	C	1	32.0	79010
20206-1	TYPE 1 ENCLOSURE W/ PANEL 20x20x6.62	**158.52**	C	1	38.0	79020
24206-1	TYPE 1 ENCLOSURE W/ PANEL 24x20x6.62	**175.48**	C	1	46.0	79030
24246-1	TYPE 1 ENCLOSURE W/ PANEL 24x24x6.62	**177.79**	C	1	57.0	79040
30206-1	TYPE 1 ENCLOSURE W/ PANEL 30x20x6.62	**190.06**	C	1	63.0	79050
30246-1	TYPE 1 ENCLOSURE W/ PANEL 30x24x6.62	**197.65**	C	1	70.0	79060
36246-1	TYPE 1 ENCLOSURE W/ PANEL 36x24x6.62	**229.98**	C	1	79.0	79070
36306-1	TYPE 1 ENCLOSURE W/ PANEL 36x30x6.62	**290.22**	C	1	98.0	79080
	8.0 Depth					
16128-1	TYPE 1 ENCLOSURE W/ PANEL 16x12x8.62	**127.24**	C	1	24.0	79090
20168-1	TYPE 1 ENCLOSURE W/ PANEL 20x16x8.62	**157.83**	C	1	35.0	79100
20208-1	TYPE 1 ENCLOSURE W/ PANEL 20x20x8.62	**173.50**	C	1	42.0	79110
24208-1	TYPE 1 ENCLOSURE W/ PANEL 24x20x8.62	**192.00**	C	1	49.0	79120
24248-1	TYPE 1 ENCLOSURE W/ PANEL 24x24x8.62	**195.88**	C	1	61.0	79130
30208-1	TYPE 1 ENCLOSURE W/ PANEL 30x20x8.62	**206.21**	C	1	65.0	79140
30248-1	TYPE 1 ENCLOSURE W/ PANEL 30x24x8.62	**217.84**	C	1	75.0	79150
36248-1	TYPE 1 ENCLOSURE W/ PANEL 36x24x8.62	**252.49**	C	1	79.0	79160
36308-1	TYPE 1 ENCLOSURE W/ PANEL 36x24x8.62	**311.87**	C	1	105.0	79170
42248-1	TYPE 1 ENCLOSURE W/ PANEL 42x24x8.62	**300.08**	C	1	100.0	79180

TYPE 1 HINGE COVER ENCLOSURES



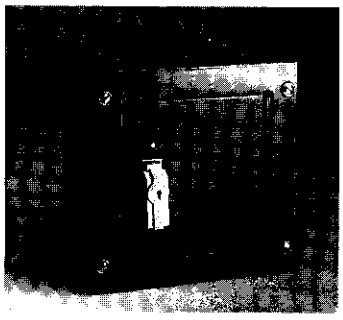
Hinge Cover Enclosures With Knockouts

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	4.0 Depth					
664 HC	HC ENCLOSURE W/KO 6x6x4	**13.45**	A	12	40.0	32065
884 HC	HC ENCLOSURE W/KO 8x8x4	**18.48**	A	6	28.5	32145
10104 HC	HC ENCLOSURE W/KO 10x10x4	**24.38**	A	3	21.0	32235
10124 HC	HC ENCLOSURE W/KO 12x10x4	**27.55**	A	3	21.0	32265
12124 HC	HC ENCLOSURE W/KO 12x12x4	**31.31**	A	6	48.0	32300
12184 HC	HC ENCLOSURE W/KO 18x12x4	**42.16**	A	2	23.0	32345
	6.0 Depth					
666 HC	HC ENCLOSURE W/KO 6x6x6	**16.30**	A	6	26.0	32080
886 HC	HC ENCLOSURE W/KO 8x8x6	**22.20**	A	4	24.0	32160
8106 HC	HC ENCLOSURE W/KO 10x8x6	**25.32**	A	1	6.0	81065
12126 HC	HC ENCLOSURE W/KO 12x12x6	**36.69**	A	4	40.0	32305
12156HC	HC ENCLOSURE W/KO 15x12x6	**44.09**	A	1	44.09	12156
12186 HC	HC ENCLOSURE W/KO 18x12x6	**49.02**	A	2	23.0	32350

Hinge Cover Enclosures Without Knockouts

	4.0 Depth					
664 HC NK	HC ENCLOSURE W/O KO 6x6x4	**13.45**	A	12	40.0	66140
884 HC NK	HC ENCLOSURE W/O KO 8x8x4	**18.48**	A	6	28.5	88400
10104 HC NK	HC ENCLOSURE W/O KO 10x10x4	**24.38**	A	3	21.0	22432
10124 HC NK	HC ENCLOSURE W/O KO 12x10x4	**27.55**	A	3	23.0	10124
12124 HC NK	HC ENCLOSURE W/O KO 12x12x4	**31.31**	A	6	48.0	33615
12184 HC NK	HC ENCLOSURE W/O KO 18x12x4	**42.16**	A	2	23.0	33715
	6.0 Depth					
666 HC NK	HC ENCLOSURE W/O KO 6x6x6	**16.30**	A	6	26.0	66482
886 HC NK	HC ENCLOSURE W/O KO 8x8x6	**22.20**	A	4	24.0	88600
12126 HC NK	HC ENCLOSURE W/O KO 12x12x6	**36.69**	A	4	40.0	33635
12186 HC NK	HC ENCLOSURE W/O KO 18x12x6	**49.02**	A	2	23.0	33730

TYPE 1 TELEPHONE TERMINATION CABINETS

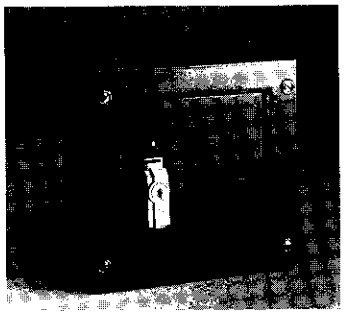


Surface

Surface Cabinet With Knockouts

	4.0 Depth					
884 TCS	TEL CAB SURFACE W/KO 8x8x4	**48.87**	A	1	6.0	20044
8124 TCS	TEL CAB SURFACE W/KO 12x8x4	**73.44**	A	1	8.3	20064
10104 TCS	TEL CAB SURFACE W/KO 10x10x4	**74.25**	A	1	8.8	20084
10124 TCS	TEL CAB SURFACE W/KO 12x10x4	**84.87**	A	1	10.5	20089
12124 TCS	TEL CAB SURFACE W/KO 12x12x4	**92.61**	A	1	11.0	20124
12164 TCS	TEL CAB SURFACE W/KO 16x12x4	**106.13**	A	1	13.5	20154
12184 TCS	TEL CAB SURFACE W/KO 18x12x4	**108.68**	A	1	15.0	20164
12244 TCS	TEL CAB SURFACE W/KO 24x12x4	**118.89**	A	1	19.0	20174
15184 TCS	TEL CAB SURFACE W/KO 18x15x4	**118.36**	A	1	16.0	20234
15304 TCS	TEL CAB SURFACE W/KO 30x15x4	**179.08**	A	1	25.3	12265
18184 TCS	TEL CAB SURFACE W/KO 18x18x4	**121.80**	A	1	18.0	20294
18244 TCS	TEL CAB SURFACE W/KO 24x18x4	**158.93**	A	1	30.5	20319
18304 TCS	TEL CAB SURFACE W/KO 30x18x4	**176.48**	A	1	29.5	20324
24244 TCS	TEL CAB SURFACE W/KO 24x24x4	**179.13**	A	1	35.5	20364
24304 TCS	TEL CAB SURFACE W/KO 30x24x4	**215.92**	A	1	42.5	20379
24364 TCS	TEL CAB SURFACE W/KO 36x24x4	**251.48**	A	1	57.0	20399
24484 TCS	TEL CAB SURFACE W/KO 48x24x4	**331.44**	A	1	62.3	20404

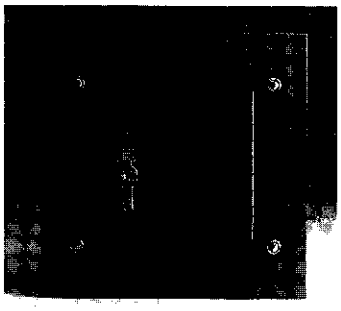
TYPE 1 TELEPHONE TERMINATION CABINETS (cont.)



Surface

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Surface Cabinets With Knockouts - cont.						
	6.0 Depth					
8126 TCS	TEL CAB SURFACE W/KO 12x8x6	**86.76**	A	1	9.8	20068
10106 TCS	TEL CAB SURFACE W/KO 10x10x6	**86.76**	A	1	10.0	20088
10126 TCS	TEL CAB SURFACE W/KO 12x10x6	**97.02**	A	1	11.5	20098
12126 TCS	TEL CAB SURFACE W/KO 12x12x6	**106.20**	A	1	12.0	20128
12166 TCS	TEL CAB SURFACE W/KO 16x12x6	**126.19**	A	1	14.8	20158
12186 TCS	TEL CAB SURFACE W/KO 18x12x6	**132.44**	A	1	16.3	20168
12246 TCS	TEL CAB SURFACE W/KO 24x12x6	**185.59**	A	1	20.5	20178
15186 TCS	TEL CAB SURFACE W/KO 18x15x6	**137.54**	A	1	19.0	20238
15306 TCS	TEL CAB SURFACE W/KO 30x15x6	**191.20**	A	1	29.0	20258
18186 TCS	TEL CAB SURFACE W/KO 18x18x6	**136.58**	A	1	24.0	20298
18246 TCS	TEL CAB SURFACE W/KO 24x18x6	**194.54**	A	1	27.5	20323
18306 TCS	TEL CAB SURFACE W/KO 30x18x6	**200.16**	A	1	36.0	20328
24246 TCS	TEL CAB SURFACE W/KO 24x24x6	**197.75**	A	1	44.0	20368
24306 TCS	TEL CAB SURFACE W/KO 30x24x6	**236.36**	A	1	53.5	20383
24366 TCS	TEL CAB SURFACE W/KO 36x24x6	**274.89**	A	1	63.0	20403
24486 TCS	TEL CAB SURFACE W/KO 48x24x6	**369.21**	A	1	80.0	20408
Surface Cabinet Without Knockouts						
	4.0 Depth					
30304 TCS NK	TEL CAB SURFACE W/O KO 30x30x4	**238.77**	A	1	77.0	20414
30364 TCS NK	TEL CAB SURFACE W/O KO 36x30x4	**292.25**	A	1	93.0	20424
36364 TCS NK	TEL CAB SURFACE W/O KO 36x36x4	**334.25**	A	1	78.5	20464
36484 TCS NK	TEL CAB SURFACE W/O KO 48x36x4	**535.92**	A	1	103.0	20474
48484 TCS NK	TEL CAB SURFACE W/O KO 48x48x4	**716.38**	A	1	223.0	20484
	6.0 Depth					
30306 TCS NK	TEL CAB SURFACE W/O KO 30x30x6	**259.98**	A	1	84.0	20418
30366 TCS NK	TEL CAB SURFACE W/O KO 36x30x6	**316.47**	A	1	95.0	20432
36366 TCS NK	TEL CAB SURFACE W/O KO 36x36x6	**365.82**	A	1	93.0	20468
36486 TCS NK	TEL CAB SURFACE W/O KO 48x36x6	**607.46**	A	1	160.0	20478
48486 TCS NK	TEL CAB SURFACE W/O KO 48x48x6	**794.71**	A	1	240.0	20488
Surface Covers (Replacement)						
88 TCS	TEL CAB 8X8 COVER SURFACE	**24.39**	A	1	1.7	12456
812 TCS	TEL CAB 12X8 COVER SURFACE	**36.90**	A	1	2.5	22270
1010 TCS	TEL CAB 10X10 COVER SURFACE	**37.53**	A	1	2.6	10983
1012 TCS	TEL CAB 12X10 COVER SURFACE	**42.21**	A	1	3.5	11028
1212 TCS	TEL CAB 12X12 COVER SURFACE	**46.35**	A	1	3.8	10895
1216 TCS	TEL CAB 16X12 COVER SURFACE	**53.24**	A	1	5.0	32360
1218 TCS	TEL CAB 18X12 COVER SURFACE	**54.30**	A	1	5.6	33700
1224 TCS	TEL CAB 24X12 COVER SURFACE	**59.58**	A	1	7.6	50115
1518 TCS	TEL CAB 18X15 COVER SURFACE	**54.65**	A	1	7.1	46140
1530 TCS	TEL CAB 30X15 COVER SURFACE	**89.41**	A	1	11.8	12262
1818 TCS	TEL CAB 18X18 COVER SURFACE	**60.82**	A	1	8.5	40206
1824 TCS	TEL CAB 24X18 COVER SURFACE	**79.46**	A	1	11.4	18244
1830 TCS	TEL CAB 30X18 COVER SURFACE	**88.20**	A	1	14.2	18269
2424 TCS	TEL CAB 24X24 COVER SURFACE	**89.45**	A	1	15.2	24235
2430 TCS	TEL CAB 30X24 COVER SURFACE	**108.07**	A	1	19.0	24275
2436 TCS	TEL CAB 36X24 COVER SURFACE	**125.70**	A	1	23.0	36515
2448 TCS	TEL CAB 48X24 COVER SURFACE	**165.76**	A	1	30.0	31440
3030 TCS	TEL CAB 30X30 COVER SURFACE	**119.42**	A	1	24.0	87011
3036 TCS	TEL CAB 36X30 COVER SURFACE	**146.16**	A	1	28.0	31660
3636 TCS	TEL CAB 36X36 COVER SURFACE	**167.09**	A	1	38.0	11059
3648 TCS	TEL CAB 48X36 COVER SURFACE	**268.03**	A	1	51.0	37325
4848 TCS	TEL CAB 48X48 COVER SURFACE	**358.33**	A	1	88.0	31695

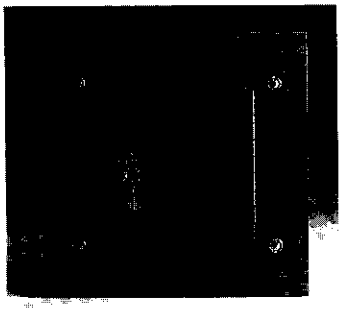
TYPE 1 TELEPHONE TERMINATION CABINETS (cont.)



Flush

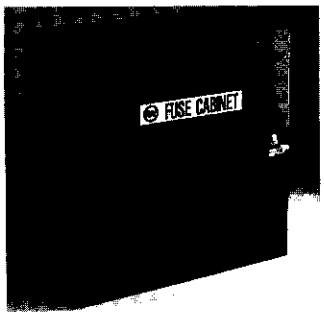
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Flush Cabinets With Knockouts						
4.0 Depth						
884 TCF	TEL CAB FLUSH W/KO 8x8x4	**48.87**	A	1	5.5	20046
8124 TCF	TEL CAB FLUSH W/KO 12x8x4	**73.44**	A	1	8.3	20066
10104 TCF	TEL CAB FLUSH W/KO 10x10x4	**74.25**	A	1	8.8	20086
10124 TCF	TEL CAB FLUSH W/KO 12x10x4	**84.87**	A	1	10.5	20091
12124 TCF	TEL CAB FLUSH W/KO 12x12x4	**92.61**	A	1	11.0	20126
12164 TCF	TEL CAB FLUSH W/KO 16x12x4	**106.13**	A	1	14.1	20156
12184 TCF	TEL CAB FLUSH W/KO 18x12x4	**108.68**	A	1	15.0	20166
12244 TCF	TEL CAB FLUSH W/KO 24x12x4	**118.89**	A	1	19.0	20176
15184 TCF	TEL CAB FLUSH W/KO 18x15x4	**118.36**	A	1	21.0	20236
15304 TCF	TEL CAB FLUSH W/KO 30x15x4	**179.08**	A	1	31.0	12260
18184 TCF	TEL CAB FLUSH W/KO 18x18x4	**121.80**	A	1	20.0	20296
18244 TCF	TEL CAB FLUSH W/KO 24x18x4	**158.93**	A	1	32.0	20321
18304 TCF	TEL CAB FLUSH W/KO 30x18x4	**176.48**	A	1	36.0	20326
24244 TCF	TEL CAB FLUSH W/KO 24x24x4	**179.13**	A	1	45.0	20366
24304 TCF	TEL CAB FLUSH W/KO 30x24x4	**215.92**	A	1	51.0	20381
24364 TCF	TEL CAB FLUSH W/KO 36x24x4	**251.48**	A	1	61.0	20401
24484 TCF	TEL CAB FLUSH W/KO 48x24x4	**331.44**	A	1	78.0	20406
6.0 Depth						
8126 TCF	TEL CAB FLUSH W/KO 12x8x6	**86.76**	A	1	9.8	20067
10106 TCF	TEL CAB FLUSH W/KO 10x10x6	**86.76**	A	1	10.0	20087
10126 TCF	TEL CAB FLUSH W/KO 12x10x6	**97.02**	A	1	11.5	20097
12126 TCF	TEL CAB FLUSH W/KO 12x12x6	**106.20**	A	1	12.0	20127
12166 TCF	TEL CAB FLUSH W/KO 16x12x6	**126.19**	A	1	14.8	20157
12186 TCF	TEL CAB FLUSH W/KO 18x12x6	**132.44**	A	1	16.3	20167
12246 TCF	TEL CAB FLUSH W/KO 24x12x6	**185.59**	A	1	20.5	20177
15186 TCF	TEL CAB FLUSH W/KO 18x15x6	**137.54**	A	1	19.0	20237
15306 TCF	TEL CAB FLUSH W/KO 30x15x6	**200.20**	A	1	34.0	20257
18186 TCF	TEL CAB FLUSH W/KO 18x18x6	**136.58**	A	1	24.0	20297
18246 TCF	TEL CAB FLUSH W/KO 24x18x6	**194.54**	A	1	34.8	20322
18306 TCF	TEL CAB FLUSH W/KO 30x18x6	**205.04**	A	1	36.0	20327
24246 TCF	TEL CAB FLUSH W/KO 24x24x6	**197.75**	A	1	49.0	20367
24306 TCF	TEL CAB FLUSH W/KO 30x24x6	**236.36**	A	1	55.0	20382
24366 TCF	TEL CAB FLUSH W/KO 36x24x6	**274.89**	A	1	71.0	20402
24486 TCF	TEL CAB FLUSH W/KO 48x24x6	**369.21**	A	1	87.0	20407
Flush Cabinets Without Knockouts						
4.0 Depth						
30304 TCF NK	TEL CAB FLUSH W/O KO 30x30x4	**238.77**	A	1	77.0	20416
30364 TCF NK	TEL CAB FLUSH W/O KO 36x30x4	**292.25**	A	1	93.0	20246
36364 TCF NK	TEL CAB FLUSH W/O KO 36x36x4	**334.25**	A	1	100.0	20466
36484 TCF NK	TEL CAB FLUSH W/O KO 48x36x4	**535.92**	A	1	103.0	20476
48484 TCF NK	TEL CAB FLUSH W/O KO 48x48x4	**716.38**	A	1	240.0	20486
6.0 Depth						
30306 TCF NK	TEL CAB FLUSH W/O KO 30x30x6	**259.98**	A	1	83.0	20417
30366 TCF NK	TEL CAB FLUSH W/O KO 36x30x6	**316.47**	A	1	95.0	20431
36366 TCF NK	TEL CAB FLUSH W/O KO 36x36x6	**365.82**	A	1	93.0	20467
36486 TCF NK	TEL CAB FLUSH W/O KO 48x36x6	**607.46**	A	1	160.0	20477
48486 TCF NK	TEL CAB FLUSH W/O KO 48x48x6	**794.71**	A	1	240.0	20487

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 1 TELEPHONE TERMINATION CABINETS (cont.)						
Flush Covers (Optional)						
88 TCF	TEL CAB 8X8 COVER FLUSH	**24.39**	A	1	2.6	12454
812 TCF	TEL CAB 12X8 COVER FLUSH	**36.90**	A	1	3.7	22268
1010 TCF	TEL CAB 10X10 COVER FLUSH	**37.53**	A	1	3.8	10982
1012 TCF	TEL CAB 12X10 COVER FLUSH	**42.21**	A	1	4.0	11025
1212 TCF	TEL CAB 12X12 COVER FLUSH	**46.35**	A	1	4.0	11215
1216 TCF	TEL CAB 16X12 COVER FLUSH	**53.24**	A	1	6.2	32355
1218 TCF	TEL CAB 18X12 COVER FLUSH	**54.30**	A	1	6.9	12184
1224 TCF	TEL CAB 24X12 COVER FLUSH	**59.58**	A	1	9.0	50110
1518 TCF	TEL CAB 18X15 COVER FLUSH	**54.65**	A	1	8.4	46135
1530 TCF	TEL CAB 30X15 COVER FLUSH	**89.41**	A	1	13.7	12264
1818 TCF	TEL CAB 18X18 COVER FLUSH	**60.82**	A	1	10.5	40204
1824 TCF	TEL CAB 24X18 COVER FLUSH	**79.46**	A	1	13.7	18243
1830 TCF	TEL CAB 30X18 COVER FLUSH	**88.20**	A	1	16.8	18267
2424 TCF	TEL CAB 24X24 COVER FLUSH	**89.45**	A	1	17.8	24230
2430 TCF	TEL CAB 30X24 COVER FLUSH	**108.07**	A	1	21.9	24270
2436 TCF	TEL CAB 36X24 COVER FLUSH	**125.70**	A	1	26.0	36510
2448 TCF	TEL CAB 48X24 COVER FLUSH	**165.76**	A	1	34.0	24370
3030 TCF	TEL CAB 30X30 COVER FLUSH	**119.42**	A	1	27.0	87009
3036 TCF	TEL CAB 36X30 COVER FLUSH	**146.16**	A	1	32.0	31655
3636 TCF	TEL CAB 36X36 COVER FLUSH	**167.09**	A	1	38.0	11062
3648 TCF	TEL CAB 48X36 COVER FLUSH	**268.03**	A	1	51.0	37320
4848 TCF	TEL CAB 48X48 COVER FLUSH	**358.33**	A	1	95.0	31690



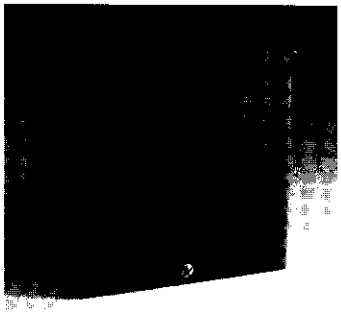
Flush

NEMA 1 SPARE FUSE CABINETS						
Spare Fuse Cabinets 12.0 Depth						
242412 FC	FUSE CABINET 24x24x12	**251.52**	A	1	55.0	34820
243012 FC	FUSE CABINET 30x24x12	**278.80**	A	1	62.8	23365
243612 FC	FUSE CABINET 36x24x12	**306.09**	A	1	68.5	23425
303612 FC	FUSE CABINET 36x30x12	**396.27**	A	1	80.5	33405
Shelves (Optional)* 12.0 Depth						
FCS2412	FUSE CABINET SHELF KIT 24x12	**41.06**	A	1	5.0	40304
FCS3012	FUSE CABINET SHELF KIT 30x12	**49.22**	A	1	6.0	40306



*Two adjustable shelves are furnished with each spare fuse cabinet.

TYPE 3R SCREW COVER ENCLOSURES - PAINTED



Screw Cover Enclosures With Knockouts

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 Depth						
444 RTSC	N3R SC ENCLOSURE W/KO 4x4x4	**17.10**	A	6	12.0	34010
464 RTSC	N3R SC ENCLOSURE W/KO 6x4x4	**18.90**	A	4	10.0	34020
664 RTSC	N3R SC ENCLOSURE W/KO 6x6x4	**21.45**	A	12	48.0	34050
684 RTSC	N3R SC ENCLOSURE W/KO 8x6x4	**24.65**	A	12	47.0	34100
884 RTSC	N3R SC ENCLOSURE W/KO 8x8x4	**28.34**	A	6	28.0	34170
8104 RTSC	N3R SC ENCLOSURE W/KO 10x8x4	**32.03**	A	6	36.0	34220
8124 RTSC	N3R SC ENCLOSURE W/KO 12x8x4	**36.99**	A	4	25.0	34260
10104 RTSC	N3R SC ENCLOSURE W/KO 10x10x4	**36.39**	A	3	20.0	34280
10124 RTSC	N3R SC ENCLOSURE W/KO 12x10x4	**41.39**	A	3	22.0	34320
12124 RTSC	N3R SC ENCLOSURE W/KO 12x12x4	**45.75**	A	6	55.0	34380
12164 RTSC	N3R SC ENCLOSURE W/KO 16x12x4	**66.78**	A	2	21.0	34460
12184 RTSC	N3R SC ENCLOSURE W/KO 18x12x4	**70.29**	A	2	23.0	34500
12244 RTSC	N3R SC ENCLOSURE W/KO 24x12x4	**102.69**	A	1	15.0	45240
18184 RTSC	N3R SC ENCLOSURE W/KO 18x18x4	**93.33**	A	3	48.0	34650
6.0 Depth						
666 RTSC	N3R SC ENCLOSURE W/KO 6x6x6	**22.69**	A	6	24.0	34070
686 RTSC	N3R SC ENCLOSURE W/KO 8x6x6	**29.61**	A	6	29.0	34120
886 RTSC	N3R SC ENCLOSURE W/KO 8x8x6	**33.32**	A	4	23.0	34200
8106 RTSC	N3R SC ENCLOSURE W/KO 10x8x6	**37.68**	A	4	27.0	34250
8126 RTSC	N3R SC ENCLOSURE W/KO 12x8x6	**43.92**	A	3	23.0	34270
10106 RTSC	N3R SC ENCLOSURE W/KO 10x10x6	**42.68**	A	2	16.0	34300
10126 RTSC	N3R SC ENCLOSURE W/KO 12x10x6	**47.61**	A	2	18.0	34340
12126 RTSC	N3R SC ENCLOSURE W/KO 12x12x6	**53.26**	A	4	40.0	34390
12166 RTSC	N3R SC ENCLOSURE W/KO 16x12x6	**70.00**	A	3	39.0	34470
12186 RTSC	N3R SC ENCLOSURE W/KO 18x12x6	**75.88**	A	3	41.0	34510
12246 RTSC	N3R SC ENCLOSURE W/KO 24x12x6	**132.57**	A	2	24.6	34560
18186 RTSC	N3R SC ENCLOSURE W/KO 18x18x6	**106.96**	A	2	39.4	34660
18246 RTSC	N3R SC ENCLOSURE W/KO 24x18x6	**139.23**	A	2	47.0	34720
24246 RTSC	N3R SC ENCLOSURE W/KO 24x24x6	**160.29**	A	2	75.0	34790
8.0 Depth						
12128 RTSC	N3R SC ENCLOSURE W/KO 12x12x8	**61.33**	A	4	48.0	34410
12188 RTSC	N3R SC ENCLOSURE W/KO 18x12x8	**79.39**	A	1	16.0	34520
12248 RTSC	N3R SC ENCLOSURE W/KO 24x12x8	**136.17**	A	1	20.0	31090
16248 RTSC	N3R SC ENCLOSURE W/KO 24x16x8	**154.80**	A	1	24.0	34640
18188 RTSC	N3R SC ENCLOSURE W/KO 18x18x8	**119.57**	A	1	21.0	34680
18248 RTSC	N3R SC ENCLOSURE W/KO 24x18x8	**168.93**	A	1	27.0	34740
24248 RTSC	N3R SC ENCLOSURE W/KO 24x24x8	**180.71**	A	1	42.0	34800
10.0 Depth						
121810 RTSC	N3R SC ENCLOSURE W/KO 18x12x10	**112.86**	A	1	19.0	34525
181810 RTSC	N3R SC ENCLOSURE W/KO 18x18x10	**135.63**	A	1	24.0	34690
182410 RTSC	N3R SC ENCLOSURE W/KO 24x18x10	**219.60**	A	1	30.0	34750
242410 RTSC	N3R SC ENCLOSURE W/KO 24x24x10	**197.55**	A	1	47.0	90001
243010 RTSC	N3R SC ENCLOSURE W/KO 30x24x10	**285.04**	A	1	56.0	34860
12.0 Depth						
181812 RTSC	N3R SC ENCLOSURE W/KO 18x18x12	**202.41**	A	1	27.0	00500
182412 RTSC	N3R SC ENCLOSURE W/KO 24x18x12	**308.43**	A	1	35.0	82412
242412 RTSC	N3R SC ENCLOSURE W/KO 24x24x12	**214.40**	A	1	53.0	34830
243012 RTSC	N3R SC ENCLOSURE W/KO 18x18x12	**343.28**	A	1	63.0	00515
243612 RTSC	N3R SC ENCLOSURE W/KO 36x24x12	**395.04**	A	1	71.0	43612

TYPE 3R SCREW COVER ENCLOSURES - PAINTED
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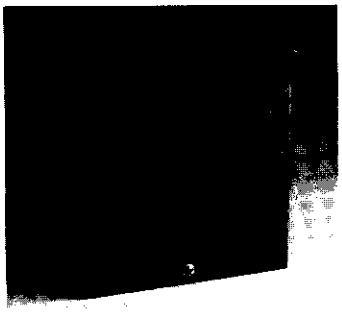
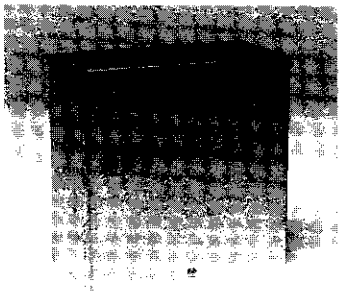


Screw Cover Enclosures Without Knockouts

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 Depth						
444 RTSC NK	N3R SC ENCLOSURE W/O KO 4x4x4	**17.10**	A	6	12.0	44400
464 RTSC NK	N3R SC ENCLOSURE W/O KO 6x4x4	**18.90**	A	4	10.0	46248
664 RTSC NK	N3R SC ENCLOSURE W/O KO 6x6x4	**21.45**	A	12	39.0	34051
684 RTSC NK	N3R SC ENCLOSURE W/O KO 8x6x4	**24.65**	A	12	47.0	66488
884 RTSC NK	N3R SC ENCLOSURE W/O KO 8x8x4	**28.34**	A	6	28.0	34172
8104 RTSC NK	N3R SC ENCLOSURE W/O KO 10x8x4	**32.03**	A	6	36.0	34222
8124 RTSC NK	N3R SC ENCLOSURE W/O KO 12x8x4	**36.99**	A	4	25.0	83000
10104 RTSC NK	N3R SC ENCLOSURE W/O KO 10x10x4	**36.39**	A	3	20.0	22436
10124 RTSC NK	N3R SC ENCLOSURE W/O KO 12x10x4	**41.39**	A	3	22.0	10125
12124 RTSC NK	N3R SC ENCLOSURE W/O KO 12x12x4	**45.75**	A	6	55.0	34382
12164 RTSC NK	N3R SC ENCLOSURE W/O KO 16x12x4	**66.78**	A	2	21.0	33670
12184 RTSC NK	N3R SC ENCLOSURE W/O KO 18x12x4	**70.29**	A	2	23.0	33720
18184 RTSC NK	N3R SC ENCLOSURE W/O KO 18x18x4	**93.33**	A	3	48.0	33885
6.0 Depth						
666 RTSC NK	N3R SC ENCLOSURE W/O KO 6x6x6	**22.69**	A	6	24.0	66484
686 RTSC NK	N3R SC ENCLOSURE W/O KO 8x6x6	**29.61**	A	6	29.0	66490
886 RTSC NK	N3R SC ENCLOSURE W/O KO 8x8x6	**33.32**	A	4	24.0	88610
8106 RTSC NK	N3R SC ENCLOSURE W/O KO 10x8x6	**37.68**	A	4	27.0	81062
8126 RTSC NK	N3R SC ENCLOSURE W/O KO 12x8x6	**43.92**	A	3	23.0	83004
10106 RTSC NK	N3R SC ENCLOSURE W/O KO 10x10x6	**42.68**	A	2	16.0	22456
10126 RTSC NK	N3R SC ENCLOSURE W/O KO 12x10x6	**47.61**	A	2	18.0	10126
12126 RTSC NK	N3R SC ENCLOSURE W/O KO 12x12x6	**53.26**	A	4	40.0	33645
12166 RTSC NK	N3R SC ENCLOSURE W/O KO 16x12x6	**70.00**	A	3	39.0	33680
12186 RTSC NK	N3R SC ENCLOSURE W/O KO 18x12x6	**75.88**	A	3	41.0	32416
12246 RTSC NK	N3R SC ENCLOSURE W/O KO 24x12x6	**132.57**	A	2	36.0	33770
18186 RTSC NK	N3R SC ENCLOSURE W/O KO 18x18x6	**106.96**	A	2	37.0	33865
18246 RTSC NK	N3R SC ENCLOSURE W/O KO 24x18x6	**139.23**	A	2	49.0	33900
24246 RTSC NK	N3R SC ENCLOSURE W/O KO 24x24x6	**160.29**	A	2	75.0	34791
8.0 Depth						
12128 RTSC NK	N3R SC ENCLOSURE W/O KO 12x12x8	**61.33**	A	4	48.0	33660
12188 RTSC NK	N3R SC ENCLOSURE W/O KO 18x12x8	**79.39**	A	1	16.0	33740
16248 RTSC NK	N3R SC ENCLOSURE W/O KO 24x16x8	**154.80**	A	1	24.0	33830
18188 RTSC NK	N3R SC ENCLOSURE W/O KO 18x18x8	**119.57**	A	1	21.0	33875
18248 RTSC NK	N3R SC ENCLOSURE W/O KO 24x18x8	**168.93**	A	1	27.0	32432
24248 RTSC NK	N3R SC ENCLOSURE W/O KO 24x24x8	**180.71**	A	1	42.0	24025
10.0 Depth						
121810 RTSC NK	N3R SC ENCLOSURE W/O KO 18x12x10	**112.86**	A	1	19.0	33705
181810 RTSC NK	N3R SC ENCLOSURE W/O KO 18x18x10	**135.63**	A	1	24.0	33835
182410 RTSC NK	N3R SC ENCLOSURE W/O KO 24x18x10	**219.60**	A	1	30.0	33880
242410 RTSC NK	N3R SC ENCLOSURE W/O KO 24x24x10	**197.55**	A	1	47.0	24005
243010 RTSC NK	N3R SC ENCLOSURE W/O KO 30x24x10	**285.04**	A	1	56.0	24030
303010 RTSC NK	N3R SC ENCLOSURE W/O KO 30x30x10	**387.52**	A	1	82.0	30305
363610 RTSC NK	N3R SC ENCLOSURE W/O KO 36x36x10	**630.10**	A	1	125.0	36362
12.0 Depth						
242412 RTSC NK	N3R SC ENCLOSURE W/O KO 24x24x12	**214.40**	A	1	53.0	24015
243612 RTSC NK	N3R SC ENCLOSURE W/O KO 36x24x12	**395.04**	A	1	71.0	24075
303612 RTSC NK	N3R SC ENCLOSURE W/O KO 36x30x12	**404.79**	A	1	115.0	30110
363612 RTSC NK	N3R SC ENCLOSURE W/O KO 36x36x12	**512.40**	A	1	133.0	36364

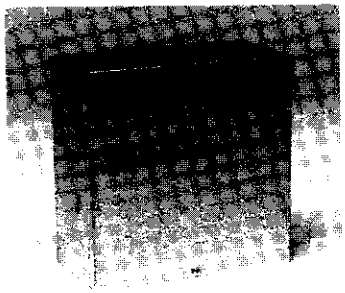
TYPE 3R SCREW COVER ENCLOSURES - GALVANIZED



Galvanized Screw Cover Enclosures With Knockouts

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 Depth						
444 RTSCGV	GALV N3R SC ENCL W/KO 4x4x4	**17.10**	A	6	12.0	00854
644 RTSCGV	GALV N3R SC ENCL W/KO 6x4x4	**18.90**	A	4	10.0	00852
664 RTSCGV	GALV N3R SC ENCL W/KO 6x6x4	**21.45**	A	12	39.0	00850
864 RTSCGV	GALV N3R SC ENCL W/KO 8x6x4	**29.61**	A	6	47.0	00848
884 RTSCGV	GALV N3R SC ENCL W/KO 8x8x4	**28.34**	A	6	28.0	00846
1084 RTSCGV	GALV N3R SC ENCL W/KO 10x8x4	**32.03**	A	6	36.0	00844
1284 RTSCGV	GALV N3R SC ENCL W/KO 12x8x4	**36.99**	A	4	25.0	00841
10104 RTSCGV	GALV N3R SC ENCL W/KO 10x10x4	**36.39**	A	3	20.0	00842
12104 RTSCGV	GALV N3R SC ENCL W/KO 12x10x4	**41.39**	A	3	22.0	00838
12124 RTSCGV	GALV N3R SC ENCL W/KO 12x12x4	**45.75**	A	6	55.0	00878
16124 RTSCGV	GALV N3R SC ENCL W/KO 16x12x4	**66.78**	A	2	21.0	00871
18124 RTSCGV	GALV N3R SC ENCL W/KO 18x12x4	**70.29**	A	2	23.0	00758
18184 RTSCGV	GALV N3R SC ENCL W/KO 18x18x4	**93.33**	A	3	48.0	00873
6.0 Depth						
666 RTSCGV	GALV N3R SC ENCL W/KO 6x6x6	**22.69**	A	6	24.0	00979
866 RTSCGV	GALV N3R SC ENCL W/KO 8x6x6	**29.61**	A	6	29.0	00760
886 RTSCGV	GALV N3R SC ENCL W/KO 8x8x6	**33.32**	A	4	23.0	00877
1086 RTSCGV	GALV N3R SC ENCL W/KO 10x8x6	**37.68**	A	4	27.0	00869
1286 RTSCGV	GALV N3R SC ENCL W/KO 12x8x6	**43.92**	A	3	23.0	00868
10106 RTSCGV	GALV N3R SC ENCL W/KO 10x10x6	**42.68**	A	2	16.0	00866
12106 RTSCGV	GALV N3R SC ENCL W/KO 12x10x6	**47.61**	A	2	18.0	00864
12126 RTSCGV	GALV N3R SC ENCL W/KO 12x12x6	**53.26**	A	4	40.0	00862
16126 RTSCGV	GALV N3R SC ENCL W/KO 16x12x6	**70.00**	A	3	38.0	00860
18126 RTSCGV	GALV N3R SC ENCL W/KO 18x12x6	**75.88**	A	3	41.0	00858
24126 RTSCGV	GALV N3R SC ENCL W/KO 24x12x6	**132.57**	A	2	36.0	00857
18186 RTSCGV	GALV N3R SC ENCL W/KO 18x18x6	**106.96**	A	2	37.0	00856
24186 RTSCGV	GALV N3R SC ENCL W/KO 24x18x6	**139.23**	A	2	48.0	00742
24246 RTSCGV	GALV N3R SC ENCL W/KO 24x24x6	**160.29**	A	2	75.0	00750
8.0 Depth						
12128 RTSCGV	GALV N3R SC ENCL W/KO 12x12x8	**61.33**	A	4	48.0	00752
18128 RTSCGV	GALV N3R SC ENCL W/KO 18x12x8	**79.39**	A	1	16.5	00743
24168 RTSCGV	GALV N3R SC ENCL W/KO 24x16x8	**154.80**	A	1	24.0	00746
18188 RTSCGV	GALV N3R SC ENCL W/KO 18x18x8	**119.57**	A	1	21.0	00748
24188 RTSCGV	GALV N3R SC ENCL W/KO 24x18x8	**168.93**	A	1	27.0	00754
24248 RTSCGV	GALV N3R SC ENCL W/KO 24x24x8	**180.71**	A	1	42.0	00756
10.0 Depth						
181210 RTSCGV	GALV N3R SC ENCL W/KO 18x12x10	**112.86**	A	1	19.0	01027
181810 RTSCGV	GALV N3R SC ENCL W/KO 18x18x10	**135.63**	A	1	24.0	01003
241810 RTSCGV	GALV N3R SC ENCL W/KO 24x18x10	**219.60**	A	1	30.0	01004
242410 RTSCGV	GALV N3R SC ENCL W/KO 24x24x10	**238.80**	A	1	47.0	01006
302410 RTSCGV	GALV N3R SC ENCL W/KO 30x24x10	**285.04**	A	1	56.0	01015
12.0 Depth						
242412 RTSCGV	GALV N3R SC ENCL W/KO 24x24x12	**214.40**	A	1	53.0	01011
362412 RTSCGV	GALV N3R SC ENCL W/KO 36x24x12	**395.04**	A	1	71.0	01017

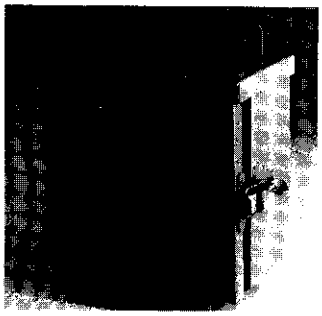
TYPE 3R SCREW COVER ENCLOSURES - GALVANIZED (cont.)



Galvanized Screw Cover Enclosures Without Knockouts

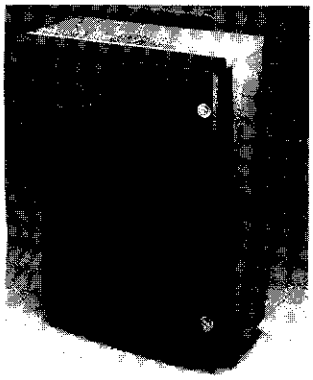
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
4.0 Depth						
444 RTSCGV NK	GALV N3R SC ENCL W/O KO 4x4x4	**17.10**	A	6	12.0	00853
644 RTSCGV NK	GALV N3R SC ENCL W/O KO 6x4x4	**18.90**	A	4	10.0	00851
664 RTSCGV NK	GALV N3R SC ENCL W/O KO 6x6x4	**21.45**	A	12	39.0	00849
864 RTSCGV NK	GALV N3R SC ENCL W/O KO 8x6x4	**29.61**	A	6	47.0	00847
884 RTSCGV NK	GALV N3R SC ENCL W/O KO 8x8x4	**28.34**	A	6	28.0	00845
1084 RTSCGV NK	GALV N3R SC ENCL W/O KO 10x8x4	**32.03**	A	6	36.0	00843
1284 RTSCGV NK	GALV N3R SC ENCL W/O KO 12x8x4	**36.99**	A	4	25.0	00977
10104 RTSCGV NK	GALV N3R SC ENCL W/O KO 10x10x4	**36.39**	A	3	20.0	00840
12104 RTSCGV NK	GALV N3R SC ENCL W/O KO 12x10x4	**41.39**	A	3	22.0	00978
12124 RTSCGV NK	GALV N3R SC ENCL W/O KO 12x12x4	**45.75**	A	6	55.0	00762
16124 RTSCGV NK	GALV N3R SC ENCL W/O KO 16x12x4	**66.78**	A	2	21.0	00872
18124 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x12x4	**70.29**	A	2	23.0	00759
18184 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x18x4	**93.33**	A	3	48.0	00874
6.0 Depth						
666 RTSCGV NK	GALV N3R SC ENCL W/O KO 6x6x6	**22.69**	A	6	24.0	00875
866 RTSCGV NK	GALV N3R SC ENCL W/O KO 8x6x6	**29.61**	A	6	29.0	00761
886 RTSCGV NK	GALV N3R SC ENCL W/O KO 8x8x6	**33.32**	A	4	24.0	00876
1086 RTSCGV NK	GALV N3R SC ENCL W/O KO 10x8x6	**37.68**	A	4	27.0	00870
1286 RTSCGV NK	GALV N3R SC ENCL W/O KO 12x8x6	**43.92**	A	3	23.0	00867
10106 RTSCGV NK	GALV N3R SC ENCL W/O KO 10x10x6	**42.68**	A	2	16.0	00865
12106 RTSCGV NK	GALV N3R SC ENCL W/O KO 12x10x6	**47.61**	A	2	18.0	00863
12126 RTSCGV NK	GALV N3R SC ENCL W/O KO 12x12x6	**53.26**	A	4	40.0	00861
16126 RTSCGV NK	GALV N3R SC ENCL W/O KO 16x12x6	**70.00**	A	3	38.0	00859
18126 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x12x6	**75.88**	A	3	41.0	00980
24126 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x12x6	**132.57**	A	2	36.0	00981
18186 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x18x6	**106.96**	A	2	37.0	00855
24186 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x18x6	**139.23**	A	2	48.0	00744
24246 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x24x6	**160.29**	A	2	75.0	00751
8.0 Depth						
12128 RTSCGV NK	GALV N3R SC ENCL W/O KO 12x12x8	**61.33**	A	4	48.0	00753
18128 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x12x8	**79.39**	A	1	16.5	00745
24168 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x16x8	**154.80**	A	1	24.0	00747
18188 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x18x8	**119.57**	A	1	21.0	00749
24188 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x18x8	**168.93**	A	1	27.0	00755
24248 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x24x8	**180.71**	A	1	42.0	00757
10.0 Depth						
181210 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x12x10	**112.86**	A	1	19.0	01026
181810 RTSCGV NK	GALV N3R SC ENCL W/O KO 18x18x10	**135.63**	A	1	24.0	01014
241810 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x18x10	**219.60**	A	1	30.0	01005
242410 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x24x10	**238.80**	A	1	47.0	01007
302410 RTSCGV NK	GALV N3R SC ENCL W/O KO 30x24x10	**285.04**	A	1	56.0	01016
303010 RTSCGV NK	GALV N3R SC ENCL W/O KO 30x30x10	**387.52**	A	1	90.0	01008
12.0 Depth						
242412 RTSCGV NK	GALV N3R SC ENCL W/O KO 24x24x12	**214.40**	A	1	53.0	01012
362412 RTSCGV NK	GALV N3R SC ENCL W/O KO 36x24x12	**395.04**	A	1	70.0	01018
363012 RTSCGV NK	GALV N3R SC ENCL W/O KO 36x30x12	**404.79**	A	1	115.0	01010
363612 RTSCGV NK	GALV N3R SC ENCL W/O KO 36x36x12	**512.40**	A	1	133.0	01009

TYPE 3R SMALL CONTINUOUS HINGE COVER ENCLOSURES



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	4.0 Depth					
664RHC	N3R HC ENCLOSURE 6x6x4	**37.58**	A	1	4.0	14206
684RHC	N3R HC ENCLOSURE 8x6x4	**41.65**	A	1	5.8	11042
	6.0 Depth					
886RHC	N3R HC ENCLOSURE 8x8x6	**52.74**	A	1	7.0	14325
8106RHC	N3R HC ENCLOSURE 10x8x6	**58.28**	A	1	9.0	22332
10126RHC	N3R HC ENCLOSURE 12x10x6	**70.98**	A	1	14.0	20099
12126RHC	N3R HC ENCLOSURE 12x12x6	**78.09**	A	1	13.5	14500
	Optional Panels					
N66P	PANEL, WHT STL FOR RHC ENCL 6x6	**3.05**	A	1	0.5	37719
N86P	PANEL, WHT STL FOR RHC ENCL 8x6	**3.59**	A	1	0.8	37721
N88P	PANEL, WHT STL FOR RHC ENCL 8x8	**4.20**	A	1	1.0	37723
N108P	PANEL, WHT STL FOR RHC ENCL 10x8	**5.57**	A	1	1.3	37722
N1210P	PANEL, WHT STL FOR RHC ENCL 12x10	**7.55**	A	1	1.8	37696
N1212P	PANEL, WHT STL FOR RHC ENCL 12x12	**8.90**	A	1	2.3	37698

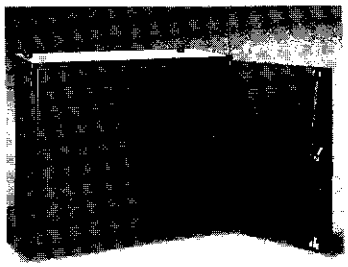
TYPE 3R LARGE CONTINUOUS HINGE COVER ENCLOSURES



	6.0 Depth					
12166RHC	N3R HC ENCLOSURE 16x12x6	**101.53**	A	1	17.0	35425
16166RHC	N3R HC ENCLOSURE 16x16x6	**119.04**	A	1	22.0	40695
16206RHC	N3R HC ENCLOSURE 20x16x6	**136.45**	A	1	25.5	40701
	8.0 Depth					
20208RHC	N3R HC ENCLOSURE 20x20x8	**194.70**	A	1	37.5	81105
20248RHC	N3R HC ENCLOSURE 24x20x8	**219.17**	A	1	39.0	40729
24248RHC	N3R HC ENCLOSURE 24x24x8	**247.24**	A	1	50.0	40755
24308RHC	N3R HC ENCLOSURE 30x24x8	**289.24**	A	1	59.5	40765
	12.0 Depth					
243612RHC	N3R HC ENCLOSURE 36x24x12	**401.67**	A	1	82.0	23440
303012RHC	N3R HC ENCLOSURE 30x30x12	**413.32**	A	1	84.0	87013
303612RHC	N3R HC ENCLOSURE 36x30x12	**471.57**	A	1	97.0	30375
304212RHC	N3R HC ENCLOSURE 42x30x12	**529.80**	A	1	107.0	88007
363612RHC	N3R HC ENCLOSURE 36x36x12	**538.08**	A	1	112.0	40835
364212RHC	N3R HC ENCLOSURE 42x36x12	**604.65**	A	1	126.5	37305
364812RHC	N3R HC ENCLOSURE 48x36x12	**702.42**	A	1	141.5	37335
366012RHC	N3R HC ENCLOSURE 60x36x12	**804.27**	A	1	171.0	20480
	Optional Panels					
N1612P	PANEL, WHT STL FOR RHC ENCL 16x12	**19.68**	A	1	3.0	37700
N1616P	PANEL, WHT STL FOR RHC ENCL 16x16	**24.21**	A	1	4.8	37701
N2016P	PANEL, WHT STL FOR RHC ENCL 20x16	**28.80**	A	1	3.5	37702
N2020P	PANEL, WHT STL FOR RHC ENCL 20x20	**34.78**	A	1	7.8	37703
N2420P	PANEL, WHT STL FOR RHC ENCL 24x20	**45.05**	A	1	11.0	37704
N2424P	PANEL, WHT STL FOR RHC ENCL 24x24	**51.75**	A	1	13.5	37705
N3024P	PANEL, WHT STL FOR RHC ENCL 30x24	**62.74**	A	1	17.0	37706
N3624P	PANEL, WHT STL FOR RHC ENCL 36x24	**75.07**	A	1	20.5	37707
N3030P	PANEL, WHT STL FOR RHC ENCL 30x30	**88.08**	A	1	22.0	37711
N3630P	PANEL, WHT STL FOR RHC ENCL 36x30	**99.86**	A	1	26.3	37712
N4230P	PANEL, WHT STL FOR RHC ENCL 42x30	**114.22**	A	1	30.8	37713
N3636P	PANEL, WHT STL FOR RHC ENCL 36x36	**117.03**	A	1	32.0	37715
N4236P	PANEL, WHT STL FOR RHC ENCL 42x36	**134.55**	A	1	37.3	37716
N4836P	PANEL, WHT STL FOR RHC ENCL 48x36	**152.01**	A	1	42.8	37717
N6036P	PANEL, WHT STL FOR RHC ENCL 60x36	**248.86**	A	1	53.8	37718

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051

TYPE 3R DOUBLE-DOOR ENCLOSURES



12.0 Depth

423012DRHC	N3R HC DD ENCLOSURE 42x30x12	**691.29**	A	1	141.0	40885
483612DRHC	N3R HC DD ENCLOSURE 48x36x12	**871.33**	A	1	177.0	40857

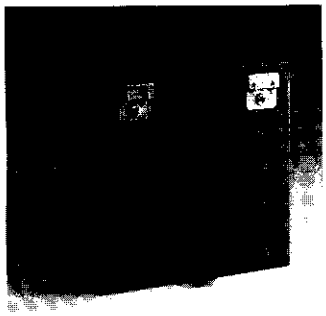
16.0 Depth

363016DRHC	N3R HC DD ENCLOSURE 36x30x16	**694.78**	A	1	140.5	87050
423616DRHC	N3R HC DD ENCLOSURE 42x36x16	**878.42**	A	1	213.0	40895

Optional Panels

N4230P	PANEL, WHT STL FOR RHC ENCL 42x30	**114.22**	A	1	30.8	37713
N4836P	PANEL, WHT STL FOR RHC ENCL 48x36	**152.01**	A	1	42.8	37717
N3630P	PANEL, WHT STL FOR RHC ENCL 36x30	**99.86**	A	1	26.3	37712
N4236P	PANEL, WHT STL FOR RHC ENCL 42x36	**134.55**	A	1	37.3	37716

TYPE 3R HINGE COVER ENCLOSURES



Hinge Cover Enclosures With Knockouts

4.0 Depth

664 RTHC	N3R HC ENCLOSURE W/KO 6x6x4	**38.25**	A	12	40.0	33020
884 RTHC	N3R HC ENCLOSURE W/KO 8x8x4	**49.05**	A	6	30.0	33070
10104 RTHC	N3R HC ENCLOSURE W/KO 10x10x4	**63.90**	A	3	22.5	33120
12124 RTHC	N3R HC ENCLOSURE W/KO 12x12x4	**71.46**	A	6	54.0	33160

6.0 Depth

12126 RTHC	N3R HC ENCLOSURE W/KO 12x12x6	**82.53**	A	4	42.0	33170
12186 RTHC	N3R HC ENCLOSURE W/KO 18x12x6	**92.52**	A	3	45.0	33210
14246 RTHC	N3R HC ENCLOSURE W/KO 24x14x6	**151.11**	A	1	24.0	46120
24246 RTHC	N3R HC ENCLOSURE W/KO 24x24x6	**268.56**	A	1	36.0	90000

8.0 Depth

18188 RTHC	N3R HC ENCLOSURE W/KO 18x18x8	**172.71**	A	1	22.0	33270

10.0 Depth

242410 RTHC	N3R HC ENCLOSURE W/KO 24x24x10	**271.80**	A	1	49.0	33350
243610 RTHC	N3R HC ENCLOSURE W/KO 36x24x10	**364.95**	A	1	54.0	33390

Hinge Cover Enclosures Without Knockouts

4.0 Depth

664 RTHC NK	N3R HC ENCLOSURE W/O KO 6x6x4	**38.25**	A	12	40.0	66142
884 RTHC NK	N3R HC ENCLOSURE W/O KO 8x8x4	**49.05**	A	6	30.0	88410
10104 RTHC NK	N3R HC ENCLOSURE W/O KO 10x10x4	**63.90**	A	1	7.5	22434
12124 RTHC NK	N3R HC ENCLOSURE W/O KO 12x12x4	**71.46**	A	6	54.0	33620

6.0 Depth

12126 RTHC NK	N3R HC ENCLOSURE W/O KO 12x12x6	**82.53**	A	4	42.0	33640
12186 RTHC NK	N3R HC ENCLOSURE W/O KO 18x12x6	**92.52**	A	3	45.0	33735

8.0 Depth

18188 RTHC NK	N3R HC ENCLOSURE W/O KO 18x18x8	**172.71**	A	1	22.0	33870

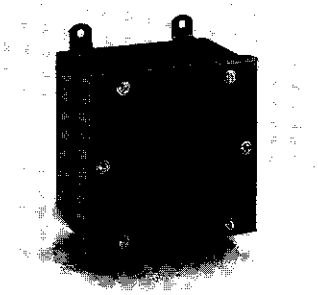
10.0 Depth

242410 RTHC NK	N3R HC ENCLOSURE W/O KO 24x24x10	**271.80**	A	1	49.0	24000
243610 RTHC NK	N3R HC ENCLOSURE W/O KO 36x24x10	**364.95**	A	1	54.0	24065

12.0 Depth

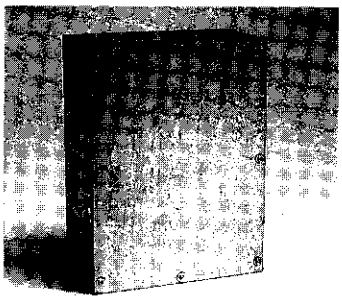
303612 RTHC NK	N3R HC ENCLOSURE W/O KO 36x30x12	**608.13**	A	1	98.0	33410

TYPE 3 SCREW COVER ENCLOSURES



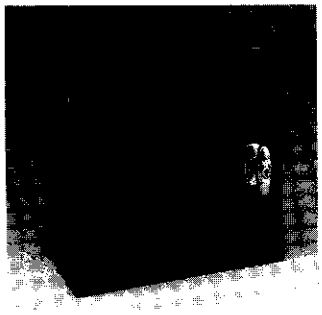
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	4.0 Depth					
444 WPSC	N3 SC ENCLOSURE 4x4x4	**39.87**	A	6	18.0	35010
464 WPSC	N3 SC ENCLOSURE 6x4x4	**41.04**	A	4	14.0	35020
664 WPSC	N3 SC ENCLOSURE 6x6x4	**44.37**	A	6	23.0	35030
684 WPSC	N3 SC ENCLOSURE 8x6x4	**47.97**	A	6	24.5	35040
884 WPSC	N3 SC ENCLOSURE 8x8x4	**58.05**	A	6	31.8	35070
8104 WPSC	N3 SC ENCLOSURE 10x8x4	**63.72**	A	3	15.0	35080
10104 WPSC	N3 SC ENCLOSURE 10x10x4	**78.21**	A	1	7.7	35110
12124 WPSC	N3 SC ENCLOSURE 12x12x4	**93.78**	A	3	28.0	35130
18184 WPSC	N3 SC ENCLOSURE 18x18x4	**144.72**	A	3	51.0	35190
	6.0 Depth					
666 WPSC	N3 SC ENCLOSURE 6x6x6	**64.62**	A	6	25.0	35300
886 WPSC	N3 SC ENCLOSURE 8x8x6	**79.11**	A	4	24.0	35350
8126 WPSC	N3 SC ENCLOSURE 18x12x6	**93.78**	A	3	27.0	35370
10106 WPSC	N3 SC ENCLOSURE 10x10x6	**96.66**	A	2	20.0	35380
12126 WPSC	N3 SC ENCLOSURE 12x12x6	**111.96**	A	2	24.0	35400
12166 WPSC	N3 SC ENCLOSURE 16x12x6	**135.09**	A	2	28.0	35420
12186 WPSC	N3 SC ENCLOSURE 18x12x6	**140.40**	A	2	30.0	35430
18186 WPSC	N3 SC ENCLOSURE 18x18x6	**165.87**	A	2	42.0	35470
18246 WPSC	N3 SC ENCLOSURE 24x18x6	**247.86**	A	2	52.0	35480
24246 WPSC	N3 SC ENCLOSURE 24x24x6	**284.85**	A	2	77.0	35490
	8.0 Depth					
12128 WPSC	N3 SC ENCLOSURE 12x12x8	**138.78**	A	1	13.0	35630
18188 WPSC	N3 SC ENCLOSURE 18x18x8	**193.05**	A	1	22.0	35680
24248 WPSC	N3 SC ENCLOSURE 24x24x8	**315.45**	A	1	43.0	35700
	10.0 Depth					
243010 WPSC	N3 SC ENCLOSURE 30x24x10	**500.13**	A	1	50.0	35840

TYPE 3 GASKETED SCREW COVER ENCLOSURES



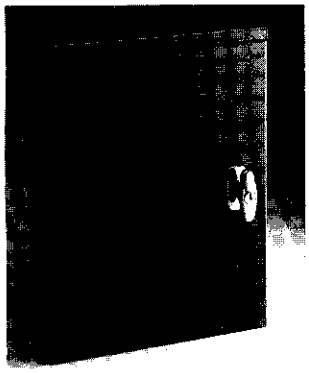
	4.0 Depth					
664 SCG	TYPE 3 GALV GASKETED SC 6x6x4	**53.16**	A	6	24.0	10856
864 SCG	TYPE 3 GALV GASKETED SC 8x6x4	**58.41**	A	4	20.0	10857
884 SCG	TYPE 3 GALV GASKETED SC 8x8x4	**64.75**	A	6	36.0	10858
1084 SCG	TYPE 3 GALV GASKETED SC 10x8x4	**74.00**	A	4	32.0	10859
10104 SCG	TYPE 3 GALV GASKETED SC 10x10x4	**78.45**	A	3	26.0	10860
12124 SCG	TYPE 3 GALV GASKETED SC 12x12x4	**102.00**	A	3	33.0	10863
	6.0 Depth					
10106 SCG	TYPE 3 GALV GASKETED SC 10x10x6	**89.00**	A	2	24.0	10861
12106 SCG	TYPE 3 GALV GASKETED SC 12x10x6	**97.45**	A	2	23.0	10862
12126 SCG	TYPE 3 GALV GASKETED SC 12x12x6	**106.91**	A	1	14.0	10864
16126 SCG	TYPE 3 GALV GASKETED SC 16x12x6	**125.94**	A	3	50.0	10867
16166 SCG	TYPE 3 GALV GASKETED SC 16x16x6	**149.07**	A	2	46.0	10871
20166 SCG	TYPE 3 GALV GASKETED SC 20x16x6	**172.31**	A	1	28.0	10874
24246 SCG	TYPE 3 GALV GASKETED SC 24x24x6	**270.00**	A	1	26.0	10878
	8.0 Depth					
20208 SCG	TYPE 3 GALV GASKETED SC 20x20x8	**220.89**	A	1	37.0	10876
24208 SCG	TYPE 3 GALV GASKETED SC 24x20x8	**250.41**	A	1	42.0	10877
24248 SCG	TYPE 3 GALV GASKETED SC 24x24x8	**284.13**	A	1	49.0	10879
	12.0 Depth					
303012 SCG	TYPE 3 GALV GASKETED SC 30x30x12	**671.90**	A	1	100.0	10881
363612 SCG	TYPE 3 GALV GASKETED SC 36x36x12	**693.50**	A	1	134.0	10882

TYPE 3R TELEPHONE TERMINATION CABINETS



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	6.0 Depth (NEMA)					
12126 RTC	N3R TEL CABINET 12x12x6	**146.52**	A	1	13.0	21090
12186 RTC	N3R TEL CABINET 18x12x6	**197.01**	A	1	15.5	21130
12246 RTC	N3R TEL CABINET 24x12x6	**245.34**	A	1	21.0	21160
18186 RTC	N3R TEL CABINET 18x18x6	**265.05**	A	1	28.0	21190
18246 RTC	N3R TEL CABINET 24x18x6	**332.55**	A	1	33.0	21210
24306 RTC	N3R TEL CABINET 30x24x6	**417.42**	A	1	52.0	21260
24366 RTC	N3R TEL CABINET 36x24x6	**479.07**	A	1	61.0	21300

TYPE 3R TELEPHONE TERMINATION CABINETS

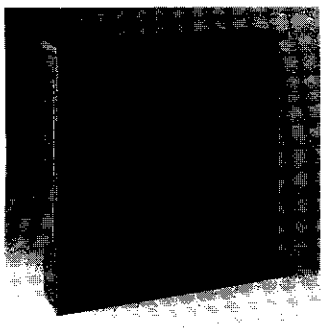


Provided with factory mounted .75 inch thick plywood back board and 6-position ground circuit bar.

	4.0 Depth (Pacific Bell)*					
12124 PBRTC	N3R TEL CABINET 12x12x4	**147.06**	A	1	10.0	32302
12164 PBRTC	N3R TEL CABINET 12x16x4	**175.77**	A	1	13.0	45215
12184 PBRTC	N3R TEL CABINET 18x12x4	**195.93**	A	1	14.5	45220
12244 PBRTC	N3R TEL CABINET 24x12x4	**252.09**	A	1	19.5	45230
18244 PBRTC	N3R TEL CABINET 24x18x4	**353.52**	A	1	30.5	20505
24304 PBRTC	N3R TEL CABINET 30x24x4	**492.03**	A	1	52.0	21225
	6.0 Depth (Pacific Bell)*					
12126 PBRTC	N3R TEL CABINET 12x12x6	**166.50**	A	1	14.0	45210
12186 PBRTC	N3R TEL CABINET 18x12x6	**220.59**	A	1	16.5	45225
12246 PBRTC	N3R TEL CABINET 24x12x6	**268.74**	A	1	22.5	45235
18186 PBRTC	N3R TEL CABINET 18x18x6	**299.97**	A	1	30.0	20500
18246 PBRTC	N3R TEL CABINET 24x18x6	**367.29**	A	1	31.0	20510
24246 PBRTC	N3R TEL CABINET 24x24x6	**492.03**	A	1	51.0	21215
24266 PBRTC	N3R TEL CABINET 26x24x6	**401.40**	A	1	70.0	24266
24306 PBRTC	N3R TEL CABINET 30x24x6	**475.11**	A	1	54.0	21230
24366 PBRTC	N3R TEL CABINET 36x24x6	**555.84**	A	1	66.0	21235
30366 PBRTC	N3R TEL CABINET 36x30x6	**694.71**	A	1	90.0	30385
36366 PBRTC	N3R TEL CABINET 36x36x6	**833.67**	A	1	105.0	21250
36426 PBRTC	N3R TEL CABINET 42x36x6	**972.63**	A	1	110.0	37310
48486 PBRTC	N3R TEL CABINET 48x48x6	**1278.18**	A	1	135.0	20492

*Conforms to Pacific Bell Standards.

TYPE 3R TELEPHONE TERMINATION CABINETS

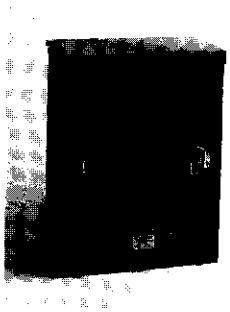


Provided with factory mounted .75 inch thick plywood back board.

	5.0 Depth (Mountain Bell)*					
24265 MBTC	N3R MB TEL CABINET 26x24x5	**357.75**	A	1	56.0	24265
30365 MBTC	N3R MB TEL CABINET 36x30x5	**426.69**	A	1	82.0	30365
36365 MBTC	N3R MB TEL CABINET 36x36x5	**632.97**	A	1	98.0	21245
	6.0 Depth (Mountain Bell)*					
24266 MBTC	N3R MB TEL CABINET 26x24x6	**376.11**	A	1	63.5	24267
30366 MBTC	N3R MB TEL CABINET 36x30x6	**448.92**	A	1	97.5	30366
36366 MBTC	N3R MB TEL CABINET 36x36x6	**664.38**	A	1	108.0	36365

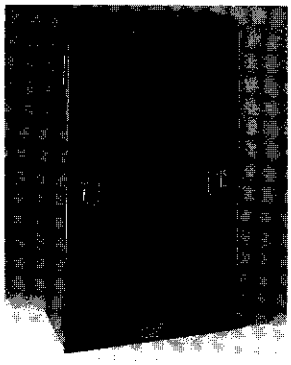
*Conforms to Mountain Bell Standards.

TYPE 3R CURRENT TRANSFORMER ENCLOSURES - SCREW COVER



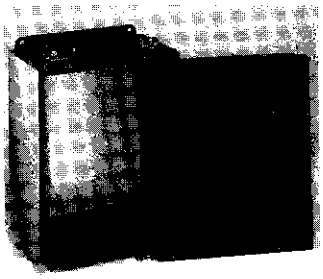
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	9.0 Depth					
18249 RTCT	N3R CT CABINET 24x18x9	**162.00**	A	1	39.0	37005
24329 RTCT	N3R CT CABINET 32x24x9	**212.40**	A	1	63.0	37025
	11.0 Depth					
242411 RTCT	N3R CT CABINET 24x24x11	**214.57**	A	1	55.0	37020
243011 RTCT	N3R CT CABINET 30x24x11	**239.85**	A	1	60.0	37030
243611 RTCT	N3R CT CABINET 36x24x11	**267.93**	A	1	72.0	37040
244811 RTCT	N3R CT CABINET 48x24x11	**351.72**	A	1	89.0	44811
303011 RTCT	N3R CT CABINET 30x30x11	**280.76**	A	1	94.0	37070
303611 RTCT	N3R CT CABINET 36x30x11	**377.44**	A	1	115.0	37080
363611 RTCT	N3R CT CABINET 36x36x11	**412.47**	A	1	145.0	37090
364211 RTCT	N3R CT CABINET 42x36x11	**600.48**	A	1	170.0	37100
364811 RTCT	N3R CT CABINET 48x36x11	**647.10**	A	1	200.0	37110
424211 RTCT	N3R CT CABINET 42x42x11	**696.69**	A	1	195.0	24211
484811 RTCT	N3R CT CABINET 48x48x11	**834.03**	A	1	267.0	40872
	14.0 Depth					
303614 RTCT	N3R CT CABINET 36x30x14	**1035.81**	A	1	128.0	30113
364814 RTCT	N3R CT CABINET 48x36x14	**664.62**	A	1	250.0	37200

TYPE 3R CURRENT TRANSFORMER ENCLOSURES - HINGE COVER



	11.0 Depth					
203611 HRTCT	N3R CT CABINET HNG CVR 36x20x11	**450.45**	A	1	60.0	80295
243011 HRTCT	N3R CT CABINET HNG CVR 24x30x11	**513.18**	A	1	56.0	80435
244811 HRTCT	N3R CT CABINET HNG CVR 48x24x11	**813.42**	A	1	92.0	80436
303611 HRTCT	N3R CT CABINET HNG CVR 36x30x11	**663.21**	A	1	110.0	80445
304811 HRTCT	N3R CT CABINET HNG CVR 48x30x11	**888.48**	A	1	138.0	80446
363611 HRTCT	N3R CT CABINET HNG CVR 36x36x11	**863.55**	A	1	128.0	80455
364811 HRTCT	N3R CT CABINET HNG CVR 48x36x11	**963.63**	A	1	184.0	80456

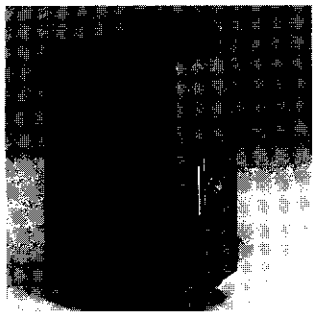
TYPE 12 JIC ENCLOSURES - LIFT-OFF COVER



Panel not included - see page 86

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	3.0 Depth					
443-12LC	TYPE 12 JIC LIFT-OFF COVER ENCLOSURE	**32.44**	C	6	12.0	73000
643-12LC	TYPE 12 JIC LIFT-OFF COVER ENCLOSURE	**37.52**	C	4	12.0	73010
	3.5 Depth					
863.5-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**46.45**	C	4	24.0	7305
	4.0 Depth					
444-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**34.20**	C	6	13.5	73020
644-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**39.58**	C	4	12.0	73030
664-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**43.76**	C	6	30.0	73040
884-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**54.50**	C	3	21.0	70318
1084-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**57.72**	C	1	9.0	73060
	5.0 Depth					
12105-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**73.75**	C	1	12.0	73070
	6.0 Depth					
866-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**55.65**	C	4	28.0	70316
1086-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**66.75**	C	2	20.0	70314
10106-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**73.85**	C	2	22.0	70312
12126-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**92.17**	C	2	28.0	76055
14126-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**93.06**	C	1	17.0	73080
16146-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**109.52**	C	1	22.0	73090
	8.0 Depth					
16148-12LC	TYPE 12 JIC LIFT-OFF COVER ENCL	**125.26**	C	1	24.0	32428

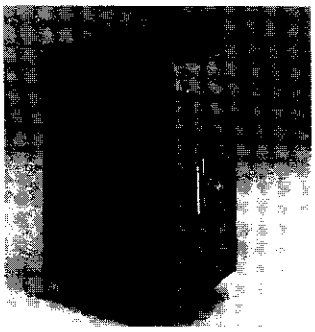
TYPE 12 JIC ENCLOSURES - CONTINUOUS HINGE COVER



Panel not included - see page 86

	3.0 Depth					
443-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**32.81**	C	6	12.0	75000
643-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**37.62**	C	4	12.0	75010
	3.5 Depth					
863.5-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**46.57**	C	4	24.0	75050
	4.0 Depth					
444-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**34.25**	C	6	12.0	75020
644-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**39.72**	C	4	12.0	75030
664-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**43.86**	C	6	30.0	75040
884-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**52.83**	C	3	24.0	70038
1084-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**57.76**	C	1	9.0	75060
1264-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**56.05**	C	2	18.0	70024
	5.0 Depth					
12105-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**73.80**	C	1	12.0	75070

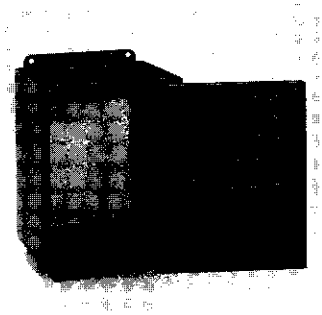
TYPE 12 JIC ENCLOSURES- CONTINUOUS HINGE COVER (cont.)



Panel not included - see page 86

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	6.0 Depth					
866-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**53.66**	C	4	28.0	70036
1086-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**65.12**	C	2	20.0	70018
10106-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**71.77**	C	2	22.0	70016
12126-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**86.24**	C	2	32.0	70022
1486-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**76.68**	C	2	26.0	70028
14126-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**93.21**	C	1	17.0	75080
16106-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**91.47**	C	1	20.0	70030
16146-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**109.64**	C	1	22.0	75090
	8.0 Depth					
12108-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**87.34**	C	1	14.0	70020
14128-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**103.77**	C	1	22.0	70026
16148-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**121.86**	C	1	24.0	70034
	10.0 Depth					
161410-12CHC	TYPE 12 JIC CONT HINGE COVER ENCL	**134.25**	C	1	26.0	70032

TYPE 12 JIC ENCLOSURES- SCREW COVER

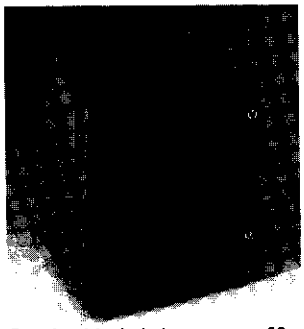


Panel not included - see page 86

	3.0 Depth					
443-12SC	TYPE 12 JIC SC ENCLOSURE	**33.83**	C	1	2.0	20035
643-12SC	TYPE 12 JIC SC ENCLOSURE	**38.92**	C	1	3.0	22005
	3.5 Depth					
863.5-12SC	TYPE 12 JIC SC ENCLOSURE	**48.16**	C	1	5.5	32010
	4.0 Depth					
444-12SC	TYPE 12 JIC SC ENCLOSURE	**35.57**	C	1	2.5	20040
644-12SC	TYPE 12 JIC SC ENCLOSURE	**41.14**	C	1	3.0	32000
664-12SC	TYPE 12 JIC SC ENCLOSURE	**45.37**	C	1	4.0	32005
884-12SC	TYPE 12 JIC SC ENCLOSURE	**54.76**	C	1	7.0	32020
1084-12SC	TYPE 12 JIC SC ENCLOSURE	**59.89**	C	1	8.0	20005
10104-12SC	TYPE 12 JIC SC ENCLOSURE	**65.93**	C	1	9.5	32200
	5.0 Depth					
12105-12SC	TYPE 12 JIC SC ENCLOSURE	**76.51**	C	1	11.5	20015
	6.0 Depth					
866-12SC	TYPE 12 JIC SC ENCLOSURE	**55.66**	C	1	6.0	32015
1086-12SC	TYPE 12 JIC SC ENCLOSURE	**67.52**	C	1	7.0	20010
10106-12SC	TYPE 12 JIC SC ENCLOSURE	**74.44**	C	1	11.0	20000
12126-12SC	TYPE 12 JIC SC ENCLOSURE	**88.96**	C	1	15.0	20020
14126-12SC	TYPE 12 JIC SC ENCLOSURE	**96.61**	C	1	16.0	20025
16146-12SC	TYPE 12 JIC SC ENCLOSURE	**113.67**	C	1	19.0	20030

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051

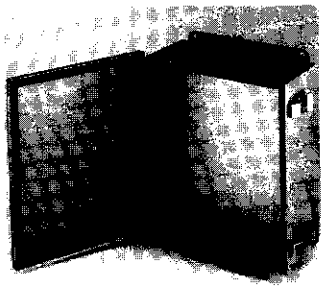
TYPE 12 JIC ENCLOSURES-CONTINUOUS HINGE SCREW COVER



Panel not included - see page 86

4.0 Depth						
664-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**47.60**	C	1	4.0	70288
864-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**52.40**	C	1	5.5	70296
884-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**57.20**	C	1	7.0	70300
1084-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**62.10**	C	1	8.0	70188
10104-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**55.90**	C	1	8.5	70178
12104-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**74.20**	C	1	10.0	70192
6.0 Depth						
866-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**58.30**	C	1	6.5	70298
886-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**64.50**	C	1	8.0	70302
1086-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**69.30**	C	1	8.5	70190
10106-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**77.80**	C	1	11.0	70180
12106-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**85.20**	C	1	13.0	70200
12126-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**92.40**	C	1	14.0	70260
14126-12CHSC	TYPE 12 JIC CONT HINGE SCREW CVR	**101.00**	C	1	15.0	70268

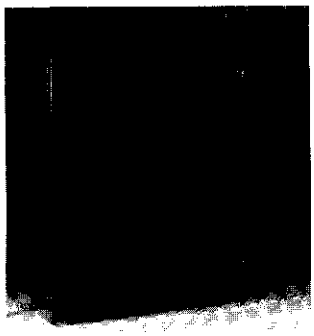
TYPE 12 JIC ENCLOSURES-CONTINUOUS HINGE QUICK-RELEASE COVER



Panel not included - see page 86

3.0 Depth						
643-12CHQRC	TYPE 12 JIC CONT HINGE QK-REL	**40.65**	C	1	3.0	70276
3.5 Depth						
863.5-12CHQRC	TYPE 12 JIC CONT HINGE QK-REL	**50.28**	C	1	5.5	70290
4.0 Depth						
664-12CHQRC	TYPE 12 JIC CONT HINGE QK-REL	**47.40**	C	1	4.0	70286
1084-12CHQRC	TYPE 12 JIC CONT HINGE QK-REL	**62.43**	C	1	8.0	70186
5.0 Depth						
12105-12CHQRC	TYPE 12 JIC CONT HINGE QK-REL	**79.74**	C	1	12.0	70194
6.0 Depth						
14126-12CHQRC	TYPE 12 JIC CONT HINGE QK-REL	**100.71**	C	1	16.5	70266
16146-12CHQRC	TYPE 12 JIC CONT HINGE QK-REL	**118.39**	C	1	20.0	70274

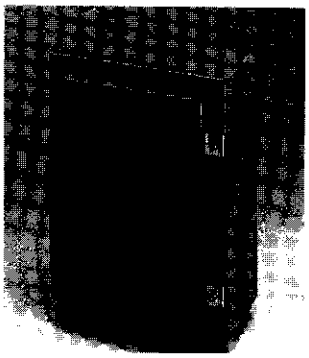
TYPE 12 JIC LARGE ENCLOSURES-CONTINUOUS HINGE COVER



Panel included

7.0 Depth						
20167-12CHSC	TYPE 12 CONT HINGE ENCL	**228.70**	C	1	38.0	77000
20207-12CHSC	TYPE 12 CONT HINGE ENCL	**253.26**	C	1	47.0	77010
24207-12CHSC	TYPE 12 CONT HINGE ENCL	**277.67**	C	1	54.0	77020
30207-12CHSC	TYPE 12 CONT HINGE ENCL	**314.67**	C	1	68.0	77030
30247-12CHSC	TYPE 12 CONT HINGE ENCL	**348.22**	C	1	77.0	77040
36247-12CHSC	TYPE 12 CONT HINGE ENCL	**390.62**	C	1	82.0	77050
9.0 Depth						
24209-12CHSC	TYPE 12 CONT HINGE ENCL	**297.73**	C	1	60.0	77060
30209-12CHSC	TYPE 12 CONT HINGE ENCL	**337.28**	C	1	71.0	77070
30249-12CHSC	TYPE 12 CONT HINGE ENCL	**372.69**	C	1	85.0	77080
36249-12CHSC	TYPE 12 CONT HINGE ENCL	**390.62**	C	1	100.0	77090

TYPE 12 SINGLE-DOOR ENCLOSURES



Panel not included - see page 87

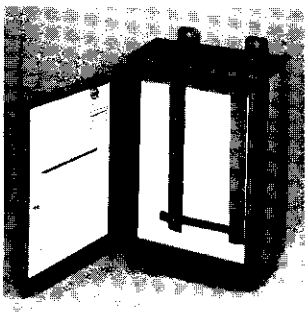
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	6.0 Depth					
12246-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**234.90**	C	1	24.0	40676
16126-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**208.57**	C	1	16.0	80000
16166-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**224.68**	C	1	27.7	40688
16206-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**240.79**	C	1	31.2	40698
20126-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**221.69**	C	1	26.0	40704
20166-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**240.79**	C	1	31.2	80010
20206-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**259.76**	C	1	31.1	80020
20246-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**278.77**	C	1	37.9	40724
24126-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**234.90**	C	1	31.2	80030
24166-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**256.94**	C	1	40.3	40730
24206-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**278.77**	C	1	33.0	80040
24246-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**300.85**	C	1	46.5	80050
30166-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**281.00**	C	1	52.0	40768
30206-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**307.16**	C	1	47.5	80060
30246-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**333.73**	C	1	55.1	80070
36246-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**366.58**	C	1	67.1	80080
36306-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**412.59**	C	1	78.2	80090
	8.0 Depth					
12248-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**248.07**	C	1	28.2	40678
16128-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**218.83**	C	1	20.4	80100
16168-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**236.36**	C	1	22.1	40696
16208-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**254.01**	C	1	46.2	40702
20128-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**233.48**	C	1	34.6	40706
20168-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**254.01**	C	1	28.2	80110
20208-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**274.47**	C	1	30.8	80120
20248-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**294.88**	C	1	63.3	40726
24128-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**248.07**	C	1	28.2	80130
24168-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**271.47**	C	1	55.4	40732
24208-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**294.88**	C	1	40.3	80140
24248-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**318.33**	C	1	58.5	80150
24308-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**353.45**	C	1	63.1	40758
30208-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**325.71**	C	1	54.5	80160
30248-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**353.45**	C	1	63.1	80170
30308-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**395.18**	C	1	78.8	87012
30368-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**436.96**	C	1	94.8	27020
36248-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**388.56**	C	1	67.1	80180
36308-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**436.96**	C	1	87.6	80190
36368-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**485.21**	C	1	105.0	40836
42248-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**423.74**	C	1	79.5	80200
42308-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**478.57**	C	1	104.5	80210
42368-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**533.40**	C	1	114.8	80220
48248-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**458.77**	C	1	77.8	80230
48308-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**520.29**	C	1	118.7	80240
48368-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**581.75**	C	1	162.4	80250
60368-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**678.65**	C	1	157.5	80260
	10.0 Depth					
161210-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**229.03**	C	1	25.4	80270
201610-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**267.11**	C	1	34.2	80280
202010-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**289.11**	C	1	46.1	80290
241210-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**261.27**	C	1	36.2	80300
242010-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**311.09**	C	1	49.3	80310

TYPE 12 SINGLE-DOOR ENCLOSURES (cont.)

Panel not included - see page 87

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	10.0 Depth - cont.					
242410-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**335.95**	C	1	57.5	80320
302010-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**343.97**	C	1	61.5	80330
302410-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**373.21**	C	1	74.1	80340
362410-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**410.58**	C	1	75.1	80350
363010-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**460.99**	C	1	94.6	80360
423010-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**505.04**	C	1	126.5	80370
423610-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**561.63**	C	1	156.7	40842
483010-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**548.92**	C	1	121.7	80380
483610-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**612.50**	C	1	155.4	80390
603610-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**713.78**	C	1	177.5	80400
	12.0 Depth					
201612-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**280.31**	C	1	40.2	80410
242012-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**327.18**	C	1	51.3	80420
242412-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**353.45**	C	1	59.5	80430
302412-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**393.08**	C	1	73.1	80440
303012-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**439.11**	C	1	87.1	87010
362412-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**432.61**	C	1	83.6	87026
363012-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**485.19**	C	1	87.6	80450
363612-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**537.94**	C	1	125.5	40834
423012-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**531.27**	C	1	156.7	40880
423612-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**590.57**	C	1	146.4	40844
483612-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**643.30**	C	1	180.0	80460
603612-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**748.56**	C	1	182.5	80470
723012-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**786.06**	C	1	182.8	80480
723612-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**854.66**	C	1	219.0	40802
	16.0 Depth					
242016-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**359.40**	C	1	49.6	40744
242416-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**388.56**	C	1	74.5	80490
302416-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**432.41**	C	1	105.0	80500
363016-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**534.55**	C	1	116.6	80510
423616-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**647.83**	C	1	156.4	40846
483616-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**704.73**	C	1	167.4	80520
603616-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**818.89**	C	1	206.5	80530
723016-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**862.18**	C	1	187.8	80540
	20.0 Depth					
302420-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**472.01**	C	1	93.1	80550
363020-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**582.07**	C	1	139.6	40828
483620-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**766.51**	C	1	170.0	40864
603620-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**889.54**	C	1	212.8	40788
723020-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**938.30**	C	1	212.8	80560
	24.0 Depth					
302424-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**511.86**	C	1	111.7	87004
723024-12	TYPE 12 SINGLE-DOOR ENCLOSURE	**1014.20**	C	1	227.8	80570

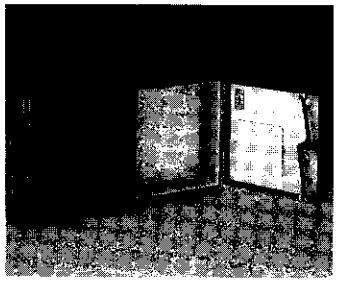
TYPE 12 TERMINAL ENCLOSURES



Provided with removable terminal strap assembly.

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	6.0 Depth					
16126-12TE	TYPE 12 TERMINAL ENCLOSURE	**277.09**	C	1	23.0	31110
20166-12TE	TYPE 12 TERMINAL ENCLOSURE	**336.27**	C	1	35.0	31120
20206-12TE	TYPE 12 TERMINAL ENCLOSURE	**374.11**	C	1	37.0	31125
24206-12TE	TYPE 12 TERMINAL ENCLOSURE	**415.58**	C	1	51.0	31430
24246-12TE	TYPE 12 TERMINAL ENCLOSURE	**464.42**	C	1	57.0	31435
30206-12TE	TYPE 12 TERMINAL ENCLOSURE	**457.38**	C	1	58.0	31635
30246-12TE	TYPE 12 TERMINAL ENCLOSURE	**526.68**	C	1	69.0	31650
36246-12TE	TYPE 12 TERMINAL ENCLOSURE	**582.12**	C	1	89.0	31670
	8.0 Depth					
36308-12TE	TYPE 12 TERMINAL ENCLOSURE	**685.96**	C	1	110.0	31675
42308-12TE	TYPE 12 TERMINAL ENCLOSURE	**769.12**	C	1	125.0	31680
48368-12TE	TYPE 12 TERMINAL ENCLOSURE	**938.63**	C	1	177.0	31685
60368-12TE	TYPE 12 TERMINAL ENCLOSURE	**1119.03**	C	1	207.0	80528

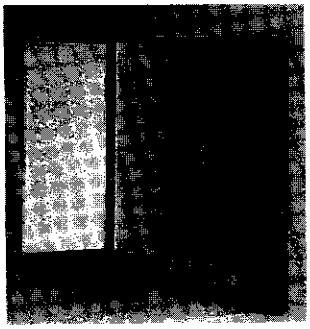
TYPE 12 DOUBLE-DOOR ENCLOSURES



Panel not included - see page 88

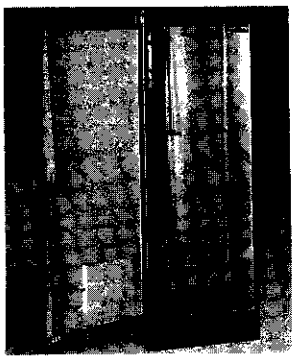
	8.0 Depth					
24428-12D	TYPE 12 DD WALL MOUNT ENCL	**588.38**	C	1	80.0	23450
24488-12D	TYPE 12 DD WALL MOUNT ENCL	**605.24**	C	1	87.0	23460
	10.0 Depth					
304210-12D	TYPE 12 DD WALL MOUNT ENCL	**665.91**	C	1	120.0	88005
304810-12D	TYPE 12 DD WALL MOUNT ENCL	**723.75**	C	1	122.0	88009
306010-12D	TYPE 12 DD WALL MOUNT ENCL	**839.67**	C	1	170.0	80610
	12.0 Depth					
364212-12D	TYPE 12 DD WALL MOUNT ENCL	**778.85**	C	1	145.0	37300
364812-12D	TYPE 12 DD WALL MOUNT ENCL	**848.33**	C	1	160.0	37330
366012-12D	TYPE 12 DD WALL MOUNT ENCL	**987.27**	C	1	182.0	20482
424212-12D	TYPE 12 DD WALL MOUNT ENCL	**857.64**	C	1	155.0	40955
424812-12D	TYPE 12 DD WALL MOUNT ENCL	**935.91**	C	1	175.0	40960
426012-12D	TYPE 12 DD WALL MOUNT ENCL	**1091.65**	C	1	190.0	40965
484812-12D	TYPE 12 DD WALL MOUNT ENCL	**1022.84**	C	1	185.0	11080

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 ENCLOSURES - DOUBLE-DOOR FLOOR-STANDING						
	8.0 Depth					
54428-12FD	TYPE 12 DD FLOOR-STAND LP	**1033.98**	C	1	191.4	80700
60488-12FD	TYPE 12 DD FLOOR-STAND LP	**1409.18**	C	1	318.7	80710
	10.0 Depth					
604810-12FD	TYPE 12 DD FLOOR-STAND LP	**1454.56**	C	1	338.7	80720
606010-12FD	TYPE 12 DD FLOOR-STAND LP	**1630.37**	C	1	431.9	80730
726010-12FD	TYPE 12 DD FLOOR-STAND LP	**1864.55**	C	1	530.0	80740
727210-12FD	TYPE 12 DD FLOOR-STAND LP	**2076.77**	C	1	567.5	80750
	12.0 Depth					
604812-12FD	TYPE 12 DD FLOOR-STAND LP	**1499.95**	C	1	343.7	80760
606012-12FD	TYPE 12 DD FLOOR-STAND LP	**1680.56**	C	1	456.9	80770
726012-12FD	TYPE 12 DD FLOOR-STAND LP	**1921.54**	C	1	545.0	80780
727212-12FD	TYPE 12 DD FLOOR-STAND LP	**2139.21**	C	1	587.5	80790
	16.0 Depth					
604816-12FD	TYPE 12 DD FLOOR-STAND LP	**1590.08**	C	1	403.7	80800
606016-12FD	TYPE 12 DD FLOOR-STAND LP	**1780.82**	C	1	504.6	40798
726016-12FD	TYPE 12 DD FLOOR-STAND LP	**2035.34**	C	1	547.9	40810
727216-12FD	TYPE 12 DD FLOOR-STAND LP	**2263.49**	C	1	657.5	80810
	20.0 Depth					
604820-12FD	TYPE 12 DD FLOOR-STAND LP	**1680.52**	C	1	453.7	80820
726020-12FD	TYPE 12 DD FLOOR-STAND LP	**2149.02**	C	1	572.9	40812
727220-12FD	TYPE 12 DD FLOOR-STAND LP	**2387.87**	C	1	687.5	80830
	24.0 Depth					
604824-12FD	TYPE 12 DD FLOOR-STAND LP	**1770.67**	C	1	498.7	80840
606024-12FD	TYPE 12 DD FLOOR-STAND LP	**1981.11**	C	1	673.3	40800
726024-12FD	TYPE 12 DD FLOOR-STAND LP	**2262.95**	C	1	748.0	40814
727224-12FD	TYPE 12 DD FLOOR-STAND LP	**2512.27**	C	1	747.5	80850



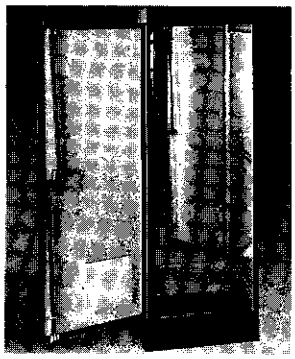
Panel not included - see page 89

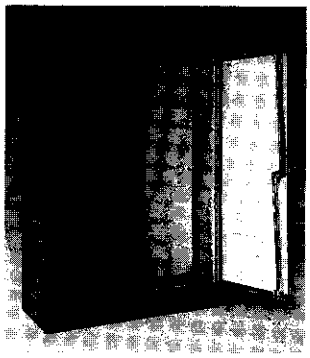
TYPE 12 FREE-STANDING ENCLOSURES - SINGLE-DOOR SINGLE-ACCESS						
	18.0 Depth					
602418-12FS	TYPE 12 FREE-STANDING ENCL	**1089.64**	C	1	188.0	80665
722418-12FS	TYPE 12 FREE-STANDING ENCL	**1207.87**	C	1	215.0	80680
723018-12FS	TYPE 12 FREE-STANDING ENCL	**1334.42**	C	1	262.0	80695
723618-12FS	TYPE 12 FREE-STANDING ENCL	**1461.23**	C	1	288.0	80785
	20.0 Depth					
902420-12FS	TYPE 12 FREE-STANDING ENCL	**1439.29**	C	1	288.0	80875
903620-12FS	TYPE 12 FREE-STANDING ENCL	**1748.83**	C	1	378.0	90362
	24.0 Depth					
603624-12FS	TYPE 12 FREE-STANDING ENCL	**1444.58**	C	1	302.0	80670
722424-12FS	TYPE 12 FREE-STANDING ENCL	**1342.87**	C	1	270.0	80685
723024-12FS	TYPE 12 FREE-STANDING ENCL	**1478.13**	C	1	296.0	80775
723624-12FS	TYPE 12 FREE-STANDING ENCL	**1613.39**	C	1	323.0	80795
903624-12FS	TYPE 12 FREE-STANDING ENCL	**1867.03**	C	1	426.0	80885



Dual Access Shown
See accessories page 61

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 FREE-STANDING ENCLOSURES-SINGLE-DOOR SINGLE-ACCESS (cont.)						
	30.0 Depth					
722430-12FS	TYPE 12 FREE-STANDING ENCL	**1736.44**	C	1	315.0	80690
723630-12FS	TYPE 12 FREE-STANDING ENCL	**1765.55**	C	1	377.0	80805
	36.0 Depth					
723636-12FS	TYPE 12 FREE-STANDING ENCL	**1917.36**	C	1	402.0	80815
903636-12FS	TYPE 12 FREE-STANDING ENCL	**2221.84**	C	1	523.0	80890
TYPE 12 FREE-STANDING ENCLOSURES-SINGLE-DOOR DUAL-ACCESS						
	24.0 Depth					
722424-12FSDA	TYPE 12 FS ENCL LESS PANEL	**1584.62**	C	1	317.0	80405
723024-12FSDA	TYPE 12 FS ENCL LESS PANEL	**1744.12**	C	1	345.0	80465
723624-12FSDA	TYPE 12 FS ENCL LESS PANEL	**1903.75**	C	1	378.0	80475
903624-12FSDA	TYPE 12 FS ENCL LESS PANEL	**2203.09**	C	1	468.0	80735
	30.0 Depth					
722430-12FSDA	TYPE 12 FS ENCL LESS PANEL	**1744.12**	C	1	355.0	80415
	36.0 Depth					
722436-12FSDA	TYPE 12 FS ENCL LESS PANEL	**1903.75**	C	1	435.0	80425
723636-12FSDA	TYPE 12 FS ENCL LESS PANEL	**2262.51**	C	1	465.0	80485
903636-12FSDA	TYPE 12 FS ENCL LESS PANEL	**2621.85**	C	1	549.0	80745
TYPE 12 FREE-STANDING ENCLOSURES-DOUBLE-DOOR SINGLE-ACCESS						
	18.0 Depth					
604818-12FSD	TYPE 12 DD FREE-STANDING ENCL	**1924.02**	C	1	430.0	80675
724818-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2118.54**	C	1	500.0	80825
726018-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2383.95**	C	1	550.0	80845
727218-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2649.33**	C	1	650.0	80865
	20.0 Depth					
904820-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2478.90**	C	1	600.0	80895
907220-12FSD	TYPE 12 DD FREE-STANDING ENCL	**3127.25**	C	1	760.0	80900
	24.0 Depth					
724824-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2295.38**	C	1	530.0	80835
726024-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2578.68**	C	1	650.0	80855
727224-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2861.67**	C	1	710.0	80870
907224-12FSD	TYPE 12 DD FREE-STANDING ENCL	**3286.35**	C	1	740.0	80905
	36.0 Depth					
726036-12FSD	TYPE 12 DD FREE-STANDING ENCL	**2967.73**	C	1	740.0	80860
907236-12FSD	TYPE 12 DD FREE-STANDING ENCL	**3764.00**	C	1	980.0	80910





CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 FREE-STANDING ENCLOSURES- DOUBLE-DOOR DUAL-ACCESS						
	24.0 Depth					
724824-12FSDDA	TYPE 12 FS ENCL LESS PANEL	**2631.04**	C	1	580.0	80495
726024-12FSDDA	TYPE 12 FS ENCL LESS PANEL	**2955.68**	C	1	700.0	80705
727224-12FSDDA	TYPE 12 FS ENCL LESS PANEL	**3280.15**	C	1	760.0	80725
907224-12FSDDA	TYPE 12 FS ENCL LESS PANEL	**3766.98**	C	1	880.0	80755
	36.0 Depth					
726036-12FSDDA	TYPE 12 FS ENCL LESS PANEL	**3401.72**	C	1	800.0	80715

Single Access Shown

TYPE 12 FREE-STANDING ENCLOSURES - ACCESSORIES

Full Panels For Free-Standing Single-Door

AF6024P	FREE-STANDING PANEL	**200.60**	C	1	50.0	42710
AF6036P	FREE-STANDING PANEL	**259.08**	C	1	75.0	42718
AF7224P	FREE-STANDING PANEL	**225.02**	C	1	75.0	42734
AF7230P	FREE-STANDING PANEL	**261.45**	C	1	85.0	42744
AF7236P	FREE-STANDING PANEL	**298.04**	C	1	95.0	42752
AF9024P	FREE-STANDING PANEL	**261.45**	C	1	100.0	42778
AF9036P	FREE-STANDING PANEL	**356.52**	C	1	120.0	42788

Half Panels For Free-Standing Single-Door

AF6024HP	FREE-STANDING HALF PANEL	**133.35**	C	1	28.0	42706
AF6036HP	FREE-STANDING HALF PANEL	**163.15**	C	1	40.0	42714
AF7224HP	FREE-STANDING HALF PANEL	**144.49**	C	1	40.0	42730
AF7230HP	FREE-STANDING HALF PANEL	**163.25**	C	1	45.0	42740
AF7236HP	FREE-STANDING HALF PANEL	**182.13**	C	1	50.0	42748
AF9024HP	FREE-STANDING HALF PANEL	**163.01**	C	1	55.0	42774
AF9036HP	FREE-STANDING HALF PANEL	**211.27**	C	1	65.0	42784

Full Panels For Free-Standing Double-Door

AF6048P	FREE-STANDING PANEL	**416.13**	C	1	100.0	42724
AF7248P	FREE-STANDING PANEL	**470.27**	C	1	125.0	42758
AF7260P	FREE-STANDING PANEL	**545.17**	C	1	160.0	42764
AF7272P	FREE-STANDING PANEL	**619.93**	C	1	190.0	42768
AF9048P	FREE-STANDING PANEL	**553.47**	C	1	190.0	42794
AF9072P	FREE-STANDING PANEL	**747.19**	C	1	220.0	42798

Half Panels For Free-Standing Double-Door

AF6048HP	FREE-STANDING HALF PANEL	**238.38**	C	1	55.0	42722
AF7248HP	FREE-STANDING HALF PANEL	**300.62**	C	1	60.0	42756
AF7260HP	FREE-STANDING HALF PANEL	**339.12**	C	1	70.0	42760
AF7272HP	FREE-STANDING HALF PANEL	**377.46**	C	1	80.0	42766
AF9048HP	FREE-STANDING HALF PANEL	**342.71**	C	1	70.0	42792
AF9072HP	FREE-STANDING HALF PANEL	**441.01**	C	1	85.0	42796

TYPE 12 FREE-STANDING ENCLOSURES - ACCESSORIES

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Side Panel Accessories						
AF6018SP	FREE-STANDING SIDE PANEL	**121.57**	C	1	35.0	42704
AF7218SP	FREE-STANDING SIDE PANEL	**138.31**	C	1	60.0	42728
AF7224SP	FREE-STANDING SIDE PANEL	**169.21**	C	1	70.0	42736
AF9018SP	FREE STANDING SIDE PANEL	**198.57**	C	1	80.0	42772
AF9024SP	FREE-STANDING SIDE PANEL	**207.42**	C	1	90.0	42780
Center Post Accessories						
AF60CPS	CENTER POST KIT	**122.63**	C	1	10.0	42726
AF72CPS	CENTER POST KIT	**143.38**	C	1	13.5	42770
AF90CPS	CENTER POST KIT	**163.88**	C	1	15.0	42800

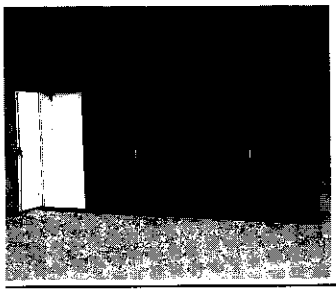
TYPE 12 FREE-STANDING ENCLOSURES - ACCESSORIES

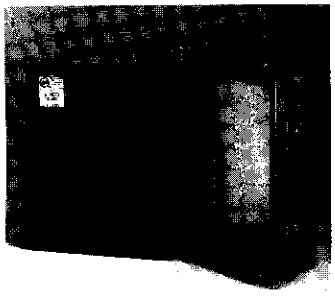
Full Swing Panels For Free-Standing Double-Door						
AF6024SWP	FREE-STANDING FULL SWING PANEL	**340.50**	C	1	55.0	42712
AF6036SWP	FREE-STANDING FULL SWING PANEL	**508.25**	C	1	80.0	42720
AF7224SWP	FREE-STANDING FULL SWING PANEL	**393.16**	C	1	83.0	42738
AF7230SWP	FREE-STANDING FULL SWING PANEL	**455.79**	C	1	93.0	42746
AF7236SWP	FREE-STANDING FULL SWING PANEL	**518.50**	C	1	103.0	42754
AF9024SWP	FREE-STANDING FULL SWING PANEL	**511.25**	C	1	110.0	42782
AF9036SWP	FREE-STANDING FULL SWING PANEL	**615.67**	C	1	130.0	42790
Half Swing Panels For Free-Standing Double-Door						
AF6024HSWP	FREE-STANDING HALF SWING PANEL	**179.13**	C	1	30.0	42708
AF6036HSWP	FREE-STANDING HALF SWING PANEL	**267.38**	C	1	45.0	42716
AF7224HSWP	FREE-STANDING HALF SWING PANEL	**267.03**	C	1	45.0	42732
AF7230HSWP	FREE-STANDING HALF SWING PANEL	**301.57**	C	1	50.0	42742
AF7236HSWP	FREE-STANDING HALF SWING PANEL	**336.19**	C	1	55.0	42750
AF9024HSWP	FREE-STANDING HALF SWING PANEL	**268.75**	C	1	60.0	42776
AF9036HSWP	FREE-STANDING HALF SWING PANEL	**387.95**	C	1	70.0	42786

TYPE 12 FREE-STANDING ENCLOSURES - ACCESSORIES

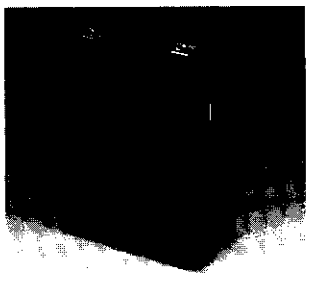
Miscellaneous Accessories						
AFSBRKT1	PANEL MTG SIDE BRACKET KIT	**20.75**	C	1	1.0	42808
AFCBRKT3	PANEL MTG CENTER BRACKET KIT	**62.00**	C	1	3.0	42802
AFCMH3	CHANNEL MTG HARDWARE KIT	**13.75**	C	1	0.3	42804
AFPSUP2	DD PANEL SUPPORT BRACKET	**68.88**	C	1	3.0	42806

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 ENCLOSURES- FREE-STANDING MULTI-DOOR						
	Three-Door 14.0 Depth					
8611214-12FS	TYPE 12 FS 3-DOOR ENCL	**5987.52**	C	1	1,300.0	83014
	Four-Door 14.0 Depth					
8615014-12FS	TYPE 12 FS 4-DOOR ENCL	**7516.43**	C	1	2,300.0	83016
	Five-Door 14.0 Depth					
8618714-12FS	TYPE 12 FS 5-DOOR ENCL	**9050.43**	C	1	3,000.0	83018
TYPE 4 JIC ENCLOSURES- LIFT-OFF COVER						
	3.0 Depth					
443-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**42.31**	C	6	12.0	76000
643-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**48.13**	C	4	12.0	76010
	3.5 Depth					
863.5-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**59.33**	C	4	24.0	76030
	4.0 Depth					
664-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**55.98**	C	6	30.0	76020
1084-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**73.82**	C	1	9.0	76040
	5.0 Depth					
12105-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**94.26**	C	1	12.0	76050
	6.0 Depth					
14126-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**119.17**	C	1	17.0	76060
16146-4LC	TYPE 4 JIC LIFT-OFF COVER ENCL	**140.10**	C	1	22.0	76070
TYPE 4 JIC ENCLOSURES- CONTINUOUS HINGE COVER						
	3.0 Depth					
443-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**46.93**	C	6	12.0	74000
643-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**53.10**	C	4	12.0	74010
	3.5 Depth					
863.5-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**65.39**	C	4	24.0	74030
	4.0 Depth					
644-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**65.34**	C	1	4.0	32030
664-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**61.80**	C	6	30.0	74020
1084-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**81.28**	C	1	9.0	74040
10104-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**103.95**	C	1	11.2	32205
	5.0 Depth					
12105-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**103.94**	C	1	12.0	74050
	6.0 Depth					
1086-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**91.84**	C	2	20.0	70174
12126-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**109.44**	C	2	28.0	74055
14126-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**130.90**	C	1	17.0	74060
16146-4CHC	TYPE 4 JIC CONT HINGE COVER ENCL	**154.18**	C	1	22.0	74070





Panel not included - see page 86



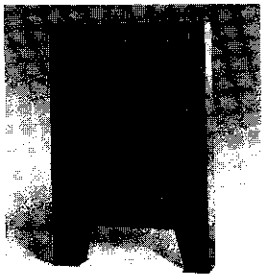
Panel not included - see page 86

TYPE 4 SINGLE-DOOR ENCLOSURES

Panel not included - see page 87

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	6.0 Depth					
16126-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**264.86**	C	1	22.4	81000
16166-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**285.33**	C	1	26.0	40690
16206-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**305.64**	C	1	31.0	40700
20166-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**305.64**	C	1	31.2	81010
20206-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**329.87**	C	1	33.1	81020
24126-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**307.23**	C	1	31.2	81040
24166-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**326.20**	C	1	33.0	40731
24206-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**354.14**	C	1	45.3	81030
24246-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**382.03**	C	1	48.5	81050
30206-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**390.24**	C	1	49.5	81060
30246-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**423.76**	C	1	57.1	81070
36246-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**476.85**	C	1	69.1	81080
	8.0 Depth					
16128-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**277.99**	C	1	20.4	81090
20168-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**322.51**	C	1	28.2	81100
20208-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**348.61**	C	1	38.1	81110
20248-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**374.53**	C	1	42.0	40728
24128-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**337.15**	C	1	41.4	80125
24208-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**374.52**	C	1	38.0	81120
24248-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**404.28**	C	1	57.5	81130
24308-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**448.86**	C	1	65.0	40760
30208-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**413.44**	C	1	56.5	81140
30248-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**448.86**	C	1	65.1	81150
30308-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**502.01**	C	1	69.0	87014
36248-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**465.61**	C	1	69.1	81160
36308-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**554.79**	C	1	89.6	81170
42308-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**607.78**	C	1	100.1	81180
42368-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**677.45**	C	1	132.0	81190
48368-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**738.88**	C	1	143.4	81200
60368-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**861.84**	C	1	160.5	81210
	10.0 Depth					
201610-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**339.20**	C	1	36.2	81220
242010-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**395.09**	C	1	52.8	40738
242410-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**390.39**	C	1	66.5	80325
302410-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**473.92**	C	1	64.6	81230
362410-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**493.85**	C	1	75.1	80355
363010-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**585.54**	C	1	96.6	81240
483010-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**697.23**	C	1	119.0	40852
483610-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**777.85**	C	1	158.4	81250
603610-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**906.51**	C	1	180.5	31705
	12.0 Depth					
302412-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**499.10**	C	1	75.1	81260
362412-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**615.12**	C	1	87.6	80625
363012-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**616.22**	C	1	106.6	81270
483612-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**816.89**	C	1	180.0	81280
	16.0 Depth					
363016-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**678.90**	C	1	118.6	81290
483616-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**895.36**	C	1	190.0	40858
603616-4	TYPE 4 SINGLE-DOOR ENCLOSURE	**1040.61**	C	1	236.0	80525

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 4 ENCLOSURES-DOUBLE-DOOR FLOOR-STANDING						
	10.0 Depth					
624810-4FD	TYPE 4 DD FLOOR-STANDING LP	**2040.12**	C	1	350.5	80640
	12.0 Depth					
626012-4FD	TYPE 4 DD FLOOR-STANDING LP	**2359.18**	C	1	468.5	80645
746012-4FD	TYPE 4 DD FLOOR-STANDING LP	**2695.00**	C	1	510.5	02039
747212-4FD	TYPE 4 DD FLOOR-STANDING LP	**2917.37**	C	1	610.5	80655
	24.0 Depth					
747224-4FD	TYPE 4 DD FLOOR-STANDING LP	**3342.70**	C	1	1250.0	40820

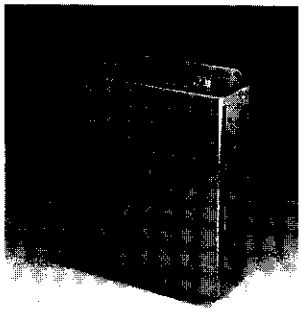


Panel not included - see page 89

TYPE 4 FREE-STANDING ENCLOSURES						
	18.0 Depth					
722518-4FS	TYPE 4 FREE-STANDING ENCL	**1560.78**	C	1	240.0	72251
723118-4FS	TYPE 4 FREE-STANDING ENCL	**1905.80**	C	1	290.0	72311
723718-4FS	TYPE 4 FREE-STANDING ENCL	**2077.68**	C	1	320.0	72371

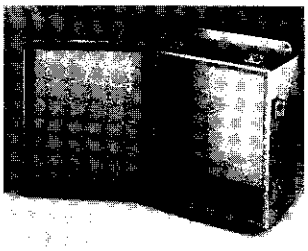
TYPE 4 FREE-STANDING ENCLOSURES - ACCESSORIES						
	Full Panels					
AF7224P	FREE-STANDING PANEL	**225.02**	C	1	75.0	42734
AF7230P	FREE-STANDING PANEL	**261.45**	C	1	85.0	42744
AF7236P	FREE-STANDING PANEL	**298.04**	C	1	95.0	42752
	Half Panels					
AF7224HP	FREE-STANDING HALF PANEL	**144.49**	C	1	40.0	42730
AF7230HP	FREE-STANDING HALF PANEL	**163.25**	C	1	45.0	42740
AF7236HP	FREE-STANDING HALF PANEL	**182.13**	C	1	50.0	42748
	Full Swing Panels					
AF7224SWP	FREE-STANDING FULL SWING PANEL	**393.16**	C	1	83.0	42738
AF7230SWP	FREE-STANDING FULL SWING PANEL	**455.79**	C	1	93.0	42746
AF7236SWP	FREE-STANDING FULL SWING PANEL	**518.50**	C	1	103.0	42754
	Half Swing Panels					
AF7224HSWP	FREE-STANDING HALF SWING PANEL	**267.03**	C	1	45.0	42732
AF7230HSWP	FREE-STANDING HALF SWING PANEL	**301.57**	C	1	50.0	42742
AF7236HSWP	FREE-STANDING HALF SWING PANEL	**336.19**	C	1	55.0	42750
	Side Panels					
AF7218SP	FREE-STANDING SIDE PANEL	**138.31**	C	1	60.0	42728
	Miscellaneous Accessories					
AFCMH3	CHANNEL MTG HARDWARE KIT	**13.75**	C	1	0.3	42804
AFSBRKT1	PANEL MTG SIDE BRACKET KIT	**20.75**	C	1	1.0	42808

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 4X STAINLESS STEEL JIC ENCLOSURES - LIFT-OFF COVER						
	3.0 Depth					
443-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**110.62**	C	1	2.0	70082
643-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**141.61**	C	1	2.5	70090
	4.0 Depth					
664-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**161.27**	C	1	5.0	70094
864-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**181.10**	C	1	4.0	70100
884-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**204.85**	C	1	7.5	70101
1084-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**228.17**	C	1	9.0	70042
	5.0 Depth					
12105-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**326.49**	C	1	12.0	70048
	6.0 Depth					
14126-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**397.36**	C	1	17.0	70054
16146-4XSLC	TYPE 4X JIC SS LIFT-OFF CVR	**475.97**	C	1	21.0	70060



Panel not included - see page 86

TYPE 4X STAINLESS STEEL JIC ENCLOSURES - CONTINUOUS HINGE COVER						
	4.0 Depth					
644-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**158.50**	C	1	3.0	70280
664-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**178.28**	C	1	4.0	70284
864-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**197.96**	C	1	6.0	70294
884-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**233.30**	C	1	7.5	70299
1084-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**245.14**	C	1	9.0	70184
	6.0 Depth					
12106-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**343.55**	C	1	13.0	70198
12126-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**379.00**	C	1	15.0	70258
14126-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**414.49**	C	1	18.0	70264
16146-4XSCHC	TYPE 4X SS JIC CONT HINGE CVR	**493.14**	C	1	21.0	70272



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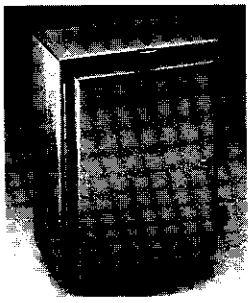
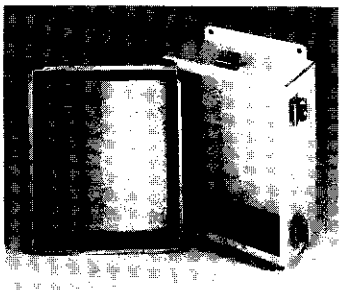
TYPE 4X STAINLESS STEEL SINGLE-DOOR ENCLOSURES



Panel not included - see page 87

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	6.0 Depth					
16126-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**582.77**	C	1	20.1	46082
16166-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**645.73**	C	1	28.0	40694
20166-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**708.61**	C	1	33.0	47014
20206-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**782.84**	C	1	38.0	40722
24206-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**857.29**	C	1	40.0	40748
	8.0 Depth					
16128-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**622.82**	C	1	26.0	40686
20168-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**760.03**	C	1	35.0	40718
24168-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**828.68**	C	1	41.0	40736
24208-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**920.14**	C	1	47.0	88002
24248-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1011.59**	C	1	48.0	40756
24308-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1148.72**	C	1	69.0	40764
30208-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1040.24**	C	1	58.0	40772
30248-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1148.72**	C	1	66.0	87008
30308-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1311.69**	C	1	76.0	87018
36248-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1286.01**	C	1	76.0	87034
36308-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1474.77**	C	1	95.0	40832
42368-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1851.96**	C	1	132.0	40850
48368-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**2040.65**	C	1	143.0	40870
	10.0 Depth					
201610-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**811.56**	C	1	40.0	40710
242010-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**982.89**	C	1	53.0	40742
362410-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1371.75**	C	1	82.0	87024
363010-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1569.01**	C	1	100.0	87038
423010-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1744.00**	C	1	116.0	40840
	12.0 Depth					
242412-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1148.72**	C	1	64.0	40752
302412-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1303.18**	C	1	77.0	87002
363012-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1663.46**	C	1	107.0	87042
483612-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**2280.76**	C	1	162.0	40856
603612-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**2692.50**	C	1	190.0	40786
	16.0 Depth					
362416-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1564.88**	C	1	100.0	87030
363016-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**1851.94**	C	1	123.0	87046
483616-4XS	TYPE 4X SS SINGLE-DOOR ENCL	**2520.82**	C	1	179.0	40862

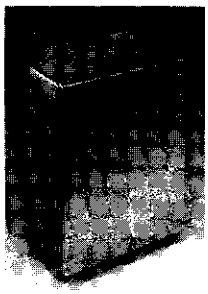
TYPE 4X ALUMINUM JIC ENCLOSURES - LIFT-OFF COVER



Panel not included - see page 86

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	3.0 Depth					
443-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**82.47**	C	1	1.3	70080
643-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**122.86**	C	1	1.5	70088
	4.0 Depth					
664-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**137.16**	C	1	2.0	70092
864-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**143.37**	C	1	2.5	70098
884-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**157.09**	C	1	5.3	32040
1084-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**169.54**	C	1	3.5	70040
	5.0 Depth					
12105-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**206.70**	C	1	5.5	70046
	6.0 Depth					
14126-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**251.52**	C	1	7.0	70052
16146-4XALC	TYPE 4X ALUM JIC LIFT-OFF CVR	**289.36**	C	1	9.0	70058

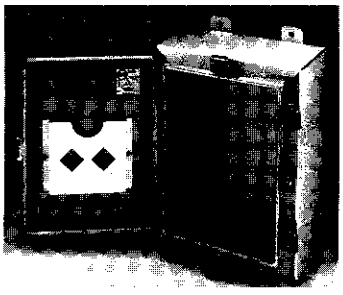
TYPE 4X ALUMINUM JIC ENCLOSURES - CONTINUOUS HINGE COVER



Panel not included - see page 86

	4.0 Depth					
644-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**92.86**	C	1	1.5	70278
664-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**136.17**	C	1	2.0	70282
864-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**148.19**	C	1	2.5	70292
884-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**159.53**	C	1	3.3	32035
1084-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**168.44**	C	1	6.0	70182
	6.0 Depth					
12106-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**217.21**	C	1	5.0	70196
12126-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**248.82**	C	1	6.0	70256
14126-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**249.66**	C	1	6.5	70262
16146-4XACHC	TYPE 4X ALUM JIC CONT HNG CVR	**287.58**	C	1	8.0	70270

TYPE 4X ALUMINUM SINGLE-DOOR ENCLOSURES

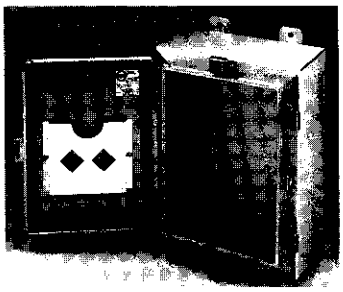


Panel not included - see page 87

	6.0 Depth					
16126-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**490.93**	C	1	10.0	40680
16166-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**661.02**	C	1	12.0	40692
20166-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**577.63**	C	1	13.0	40712
20206-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**628.70**	C	1	16.0	40720
24206-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**679.90**	C	1	18.0	40746
	8.0 Depth					
16128-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**624.98**	C	1	14.0	40684
20168-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**654.55**	C	1	16.0	40716
24168-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**747.41**	C	1	19.0	47034
24208-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**773.06**	C	1	21.0	88000
24248-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**786.32**	C	1	23.0	40754
24308-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**890.40**	C	1	24.0	40762
30208-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**792.46**	C	1	22.0	40770
30248-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**881.13**	C	1	27.0	87006
30308-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**940.43**	C	1	28.0	87016
36248-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**975.34**	C	1	30.0	87032

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051

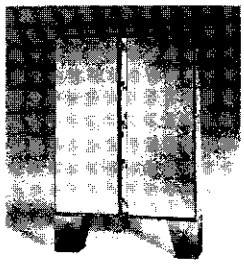
TYPE 4X ALUMINUM SINGLE-DOOR ENCLOSURES (cont.)



Panel not included - see page 87

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
	8.0 Depth					
36308-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1105.62**	C	1	35.0	40830
42368-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1322.03**	C	1	45.0	40848
48368-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1495.56**	C	1	52.0	40868
	10.0 Depth					
201610-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**648.53**	C	1	18.0	40708
242010-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**766.60**	C	1	24.0	40740
362410-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1006.36**	C	1	30.0	87022
363010-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1146.71**	C	1	32.0	87036
423010-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1417.33**	C	1	36.0	40838
	12.0 Depth					
242412-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**811.75**	C	1	26.0	40750
302412-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**987.26**	C	1	32.0	87000
363012-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1235.55**	C	1	40.0	87040
483612-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1571.98**	C	1	68.0	40854
603612-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1944.74**	C	1	78.0	40784
	16.0 Depth					
362416-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1207.34**	C	1	42.0	87028
363016-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1376.09**	C	1	48.0	87044
483616-4XA	TYPE 4X ALUM SINGLE-DOOR ENCL	**1886.27**	C	1	75.0	40860

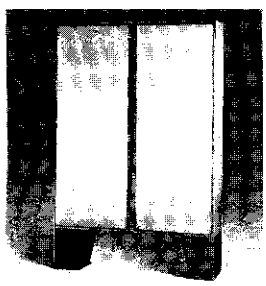
TYPE 4X STAINLESS STEEL DOUBLE-DOOR FLOOR-STANDING



Panel not included - see page 89

	10.0 Depth					
624810-4XSFD	TYPE 4X SS DD FLOOR-STANDING	**5467.94**	C	1	372.0	80535
	12.0 Depth					
624812-4XSFD	TYPE 4X SS DD FLOOR-STANDING	**6537.00**	C	1	406.0	01988
626012-4XSFD	TYPE 4X SS DD FLOOR-STANDING	**7125.80**	C	1	520.0	80555
746012-4XSFD	TYPE 4X SS DD FLOOR-STANDING	**8338.06**	C	1	545.0	80920
747212-4XSFD	TYPE 4X SS DD FLOOR-STANDING	**8777.36**	C	1	601.0	40818
	24.0 Depth					
747224-4XSFD	TYPE 4X SS DD FLOOR-STANDING	**13421.11**	C	1	785.0	80940

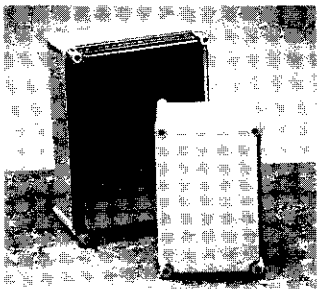
TYPE 4X ALUMINUM DOUBLE-DOOR FLOOR-STANDING



Panel not included - see page 89

	10.0 Depth					
624810-4XAFD	TYPE 4X ALUM DD FLOOR-STAND	**3903.08**	C	1	235.0	80515
	12.0 Depth					
624812-4XAFD	TYPE 4X ALUM DD FLOOR-STAND	**4406.58**	C	1	245.0	01987
626012-4XAFD	TYPE 4X ALUM DD FLOOR-STAND	**5085.52**	C	1	305.0	80545
746012-4XAFD	TYPE 4X ALUM DD FLOOR-STAND	**5836.70**	C	1	335.0	80915
747212-4XAFD	TYPE 4X ALUM DD FLOOR-STAND	**6262.30**	C	1	389.0	40816
	24.0 Depth					
747224-4XAFD	TYPE 4X ALUM DD FLOOR-STAND	**9394.84**	C	1	475.0	80935

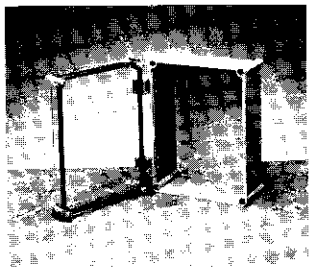
TYPE 4X NON-METALLIC SCREW COVER ENCLOSURES



Panel not included - see page 73

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Transparent Screw Cover Enclosures						
444-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 4x4x4	**26.75**	F	8	7.2	10838
644-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 6x4x4	**36.25**	F	6	6.0	00101
664-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 6x6x4	**38.25**	F	6	8.4	00123
1044-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 10x4x4	**50.15**	F	4	5.6	00125
1065-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 10x6x5	**53.25**	F	4	4.0	10331
1066-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 10x6x6	**55.25**	F	4	10.8	10333
10106-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 10x10x6	**63.75**	F	4	14.0	10335
10136-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 10x13x6	**66.75**	F	2	8.8	10337
10137-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 10x13x7	**68.85**	F	4	18.0	10339
1366-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 13x6x6	**64.25**	F	4	12.8	10341
13136-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 13x13x6	**74.25**	F	2	11.4	10343
13137-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 13x13x7	**78.65**	F	2	11.6	10345
20106-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 20x10x6	**82.85**	F	2	14.6	10347
20107-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 20x10x7	**85.85**	F	2	14.8	10349
20136-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 20x13x6	**115.15**	F	1	8.6	10351
20137-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 20x13x7	**125.35**	F	2	17.4	10353
20206-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 20x20x6	**152.15**	F	1	13.8	10355
20207-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 20x20x7	**154.25**	F	1	13.9	10357
28137-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 28x13x7	**198.50**	F	1	10.3	10359
28207-4XFTSC	SERIES 1 TYPE 4X NM TRANSPARENT SC 28x20x7	**233.75**	F	1	18.4	10361
Opaque Screw Cover Enclosures						
444-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 4x4x4	**26.75**	F	8	7.2	10363
644-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 6x4x4	**36.25**	F	6	6.0	10365
664-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 6x6x4	**38.25**	F	6	8.4	10367
1044-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 10x4x4	**50.15**	F	4	5.6	10369
1065-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 10x6x5	**53.25**	F	4	4.0	10370
1066-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 10x6x6	**55.25**	F	4	10.8	10371
10106-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 10x10x6	**63.75**	F	4	14.0	10372
10136-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 10x13x6	**66.75**	F	2	8.8	10373
10137-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 10x13x7	**68.85**	F	4	18.0	10374
1366-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 13x6x6	**64.25**	F	4	12.8	10375
13136-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 13x13x6	**74.25**	F	2	11.4	10376
13137-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 13x13x7	**78.65**	F	2	11.6	10377
20106-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 20x10x6	**82.85**	F	2	14.8	10886
20107-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 20x10x7	**85.85**	F	2	14.6	10378
20136-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 20x13x6	**115.15**	F	1	8.6	10379
20137-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 20x13x7	**125.35**	F	2	17.4	10380
20206-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 20x20x6	**152.15**	F	1	13.8	10381
20207-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 20x20x7	**154.25**	F	1	13.9	10382
28137-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 28x13x7	**198.50**	F	1	10.3	10383
28207-4XFOSC	SERIES 1 TYPE 4X NM OPAQUE SC 28x20x7	**233.75**	F	1	18.4	10384

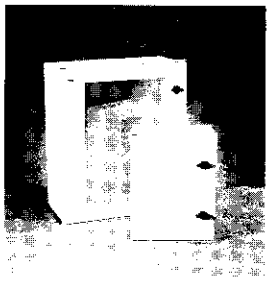
TYPE 4X NON-METALLIC EXTERNAL HINGE COVER ENCLOSURES



Panel not included - see page 73

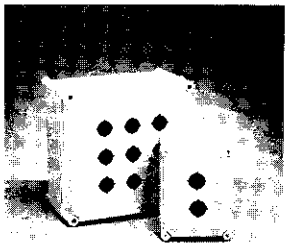
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Transparent Hinge Cover Enclosures						
444-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 4x4x4	**31.50**	F	8	7.2	10385
644-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 6x4x4	**42.50**	F	6	6.0	10386
664-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 6x6x4	**45.00**	F	6	8.4	10387
1044-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 10x4x4	**59.00**	F	4	5.6	10388
1066-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 10x6x6	**65.00**	F	4	10.8	10390
10106-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 10x10x6	**75.00** –	F	4	14.0	10391
10136-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 10x13x6	**78.50**	F	2	8.8	10392
10137-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 10x13x7	**81.00**	F	4	18.0	10393
1366-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 13x6x6	**75.50**	F	4	12.8	10394
13106-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 13x10x6	**78.50**	F	2	8.8	07613
13136-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 13x13x6	**87.50**	F	2	11.4	10395
13137-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 13x13x7	**92.50**	F	2	11.6	10396
20106-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 20x10x6	**97.50**	F	2	14.6	10397
20107-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 20x10x7	**101.00**	F	2	14.8	10398
20136-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 20x13x6	**135.50**	F	1	8.6	10399
20137-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 20x13x7	**147.50**	F	2	17.4	10401
20206-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 20x20x6	**178.95**	F	1	13.8	10402
20207-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 20x20x7	**181.50**	F	1	13.9	10403
28137-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 28x13x7	**235.50**	F	1	10.3	10404
28207-4XFTHC	SERIES 1 TYPE 4X NM TRANSPARENT HC 28x20x7	**275.00**	F	1	18.4	10405
Opaque Hinge Cover Enclosures						
444-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 4x4x4	**31.50**	F	8	7.2	10406
644-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 6x4x4	**42.50**	F	6	6.0	10407
664-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 6x6x4	**45.00**	F	6	8.4	10408
1044-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 10x4x4	**59.00**	F	4	5.6	10409
1066-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 10x6x6	**65.00**	F	4	10.8	10413
10106-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 10x10x6	**75.00**	F	4	14.0	10414
10136-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 10x13x6	**78.50**	F	2	8.8	10415
10137-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 10x13x7	**81.00**	F	4	18.0	10416
1366-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 13x6x6	**75.50**	F	4	12.8	10417
13106-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 13x10x6	**78.50**	F	2	8.8	00369
13136-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 13x13x6	**87.50**	F	2	11.4	10418
13137-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 13x13x7	**92.50**	F	2	11.6	10419
20106-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 20x10x6	**97.50**	F	2	14.6	10422
20107-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 20x10x7	**101.00**	F	2	14.8	10423
20136-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 20x13x6	**135.50**	F	1	8.6	10424
20137-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 20x13x7	**147.50**	F	2	17.4	10425
20206-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 20x20x6	**178.95**	F	1	13.8	10426
20207-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 20x20x7	**181.50**	F	1	13.9	10427
28137-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 28x13x7	**235.50**	F	1	10.3	10428
28207-4XFOHC	SERIES 1 TYPE 4X NM OPAQUE HC 28x20x7	**275.00**	F	1	18.4	10429

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 4X NON-METALLIC WALLMOUNT ENCLOSURES						
	Wallmount Enclosures					
12106-4XFPT	SERIES 2 TYPE 4X ENCL 12x10x6	**95.00**	F	1	4.4	00100
16128-4XFPT	SERIES 2 TYPE 4X ENCL 16x12x8	**138.00**	F	1	7.3	00102
16168-4XFPT	SERIES 2 TYPE 4X ENCL 16x16x8	**172.00**	F	1	8.8	00104
20168-4XFPT	SERIES 2 TYPE 4X ENCL 20x16x8	**192.00**	F	1	11.0	00106
24169-4XFPT	SERIES 2 TYPE 4X ENCL 24x16x9	**210.00**	F	1	13.9	00108
24209-4XFPT	SERIES 2 TYPE 4X ENCL 24x20x9	**270.00**	F	1	16.5	00110
322412-4XFPT	SERIES 2 TYPE 4X ENCL 32x24x12	**340.00**	F	1	25.4	00112
	Wallmount With Window Enclosures					
12106-4XFPTW	SERIES 2 TYPE 4X ENCL 12x10x6	**125.00**	F	1	4.4	00114
16128-4XFPTW	SERIES 2 TYPE 4X ENCL 16x12x8	**175.00**	F	1	7.3	00116
16168-4XFPTW	SERIES 2 TYPE 4X ENCL 16x16x8	**210.00**	F	1	8.8	00118
20168-4XFPTW	SERIES 2 TYPE 4X ENCL 20x16x8	**235.00**	F	1	11.0	00120
24169-4XFPTW	SERIES 2 TYPE 4X ENCL 24x16x9	**280.00**	F	1	13.9	00122
24209-4XFPTW	SERIES 2 TYPE 4X ENCL 24x20x9	**310.00**	F	1	16.5	00124
322412-4XFPTW	SERIES 2 TYPE 4X ENCL 32x24x12	**385.00**	F	1	25.4	00126

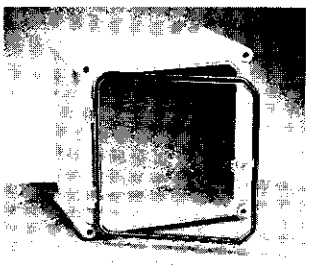


Panel not included - see page 76

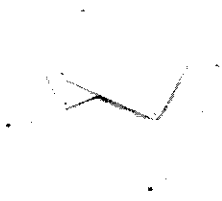
TYPE 4X NON-METALLIC OPAQUE PUSHBUTTON ENCLOSURES						
444-4XFPB1	SERIES 1 TYPE 4X NM PB-1 HOLE 4x4x4	**31.50**	F	8	7.2	10442
644-4XFPB2	SERIES 1 TYPE 4X NM PB-2 HOLE 6x4x4	**42.50**	F	6	6.6	10443
664-4XFPB3	SERIES 1 TYPE 4X NM PB-3 HOLE 6x6x4	**45.00**	F	6	8.4	10444
1065-4XFPB6	SERIES 1 TYPE 4X NM PB-6 HOLE 10x6x5	**66.50**	F	4	10.4	10446
10106-4XFPB9	SERIES 1 TYPE 4X NM PB-9 HOLE 10x10x6	**86.25**	F	4	18.8	10447
1366-4XFPB10	SERIES 1 TYPE 4X NM PB-10 HOLE 13x6x6	**89.50**	F	4	13.2	10449
10136-4XFPB12	SERIES 1 TYPE 4X NM PB-12 HOLE 10x13x6	**109.50**	F	2	15.4	10448
10136-4XFPB15	SERIES 1 TYPE 4X NM PB-15 HOLE 10x13x6	**122.50**	F	2	15.4	10887
13136-4XFPB20	SERIES 1 TYPE 4X NM PB-20 HOLE 13x13x6	**147.50**	F	2	15.4	10452
13136-4XFPB25	SERIES 1 TYPE 4X NM PB-25 HOLE 13x13x6	**155.95**	F	2	15.4	10453
1044-4XFPV3	SERIES 1 TYPE 4X NM PB-3 HOLE 10x4x4	**45.00**	F	4	5.6	10883



TYPE 12 NON-METALLIC INSPECTION SCREW COVER ENCLOSURES						
10106-12FOSCD	SERIES 1 TYPE 12 NM SC W/ INSP DOOR 10x10x6	**82.35**	F	1	3.5	10518
10137-12FOSCD	SERIES 1 TYPE 12 NM SC W/ INSP DOOR 10x13x7	**93.25**	F	1	4.4	10520



SERIES 1 NON-METALLIC ACCESSORIES



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Polyester Panels						
F44P	SERIES 1 POLYESTER PANEL 4x4	**2.50**	F	10	1.0	10490
F64P	SERIES 1 POLYESTER PANEL 6x4	**3.35**	F	10	1.7	10492
F66P	SERIES 1 POLYESTER PANEL 6x6	**4.25**	F	10	2.5	10494
F104P	SERIES 1 POLYESTER PANEL 10x4	**5.25**	F	10	2.7	10496
F106P	SERIES 1 POLYESTER PANEL 10x6	**6.25**	F	10	4.0	10498
F1010P	SERIES 1 POLYESTER PANEL 10x10	**8.75**	F	10	7.0	10500
F1013P	SERIES 1 POLYESTER PANEL 10x13	**12.00**	F	10	8.8	10502
F136P	SERIES 1 POLYESTER PANEL 13x6	**8.00**	F	10	5.3	10504
F1313P	SERIES 1 POLYESTER PANEL 13x13	**13.50**	F	10	11.4	10506
F2010P	SERIES 1 POLYESTER PANEL 20x10	**15.75**	F	10	13.5	10508
F2013P	SERIES 1 POLYESTER PANEL 20x13	**24.25**	F	10	17.6	10510
F2020P	SERIES 1 POLYESTER PANEL 20x20	**29.25**	F	5	13.5	10512
F2813P	SERIES 1 POLYESTER PANEL 28x13	**31.75**	F	5	12.4	10514
F2820P	SERIES 1 POLYESTER PANEL 28x20	**45.25**	F	5	19.0	10516
Metal Panels						
F44MP	SERIES 1 METAL PANEL 4x4	**2.25**	F	10	2.5	10819
F64MP	SERIES 1 METAL PANEL 6x4	**3.00**	F	10	4.3	10821
F66MP	SERIES 1 METAL PANEL 6x6	**3.75**	F	10	6.3	10822
F104MP	SERIES 1 METAL PANEL 10x4	**4.75**	F	10	6.8	10823
F106MP	SERIES 1 METAL PANEL 10x6	**5.50**	F	10	10.0	10824
F1010MP	SERIES 1 METAL PANEL 10x10	**7.75**	F	10	17.5	10826
F1013MP	SERIES 1 METAL PANEL 10x13	**10.75**	F	10	22.0	10827
F136MP	SERIES 1 METAL PANEL 13x6	**7.25**	F	10	13.3	10828
F1313MP	SERIES 1 METAL PANEL 13x13	**12.25**	F	10	28.5	10829
F2010MP	SERIES 1 METAL PANEL 20x10	**14.50**	F	10	33.8	10832
F2013MP	SERIES 1 METAL PANEL 20x13	**22.00**	F	10	44.0	10833
F2020MP	SERIES 1 METAL PANEL 20x20	**26.50**	F	5	33.8	10834
F2813MP	SERIES 1 METAL PANEL 28x13	**28.75**	F	5	30.9	10836
F2820MP	SERIES 1 METAL PANEL 28x20	**40.75**	F	5	47.5	10837

Depth Extender						
F2010DE	SERIES 1 DEPTH EXTENDER 20x10x2.5	**45.00**	F	1	1.5	10522
F2013DE	SERIES 1 DEPTH EXTENDER 20x13x2.5	**55.00**	F	1	2.0	10524
F2020DE	SERIES 1 DEPTH EXTENDER 20x20x5	**85.00**	F	1	3.0	10526

Mounting Brackets						
F1MBSS4	SS MOUNTING BRACKETS-444,644,664,1044 SIZES	**4.75**	F	10 Sets	4.0	07596
F2MBSS4	SS MOUNTING BRACKETS-1065 SIZE AND ABOVE	**4.75**	F	10 Sets	4.4	07597

Hinges						
F1EH	EXTERNAL HINGES-444,644,664,1044 SIZES	**2.50**	F	10 Sets	1.0	10621
F2EH	EXTERNAL HINGES-1065 SIZE AND ABOVE	**8.25**	F	10 Sets	1.2	10623

Drain Kit						
F23D	DRAIN KIT	**3.75**	F	100	7.5	10572

SERIES 1 NON-METALLIC ACCESSORIES (cont.)

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
F19V	VENTILATOR	**2.75**	F	100	5.0	10569

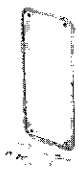
Rubber Grommets

F22RG	RUBBER GROMMET FOR .19 - .71 CABLE DIA.	**0.50**	F	50	2.5	10574
F31RG	RUBBER GROMMET FOR .39 - 1.10 CABLE DIA.	**0.60**	F	50	3.5	10576
F41RG	RUBBER GROMMET FOR .47 - 1.38 CABLE DIA.	**0.70**	F	50	5.0	10578
F62RG	RUBBER GROMMET FOR 1.18 - 2.28	**1.05**	F	50	5.5	10581
F75RG	RUBBER GROMMET FOR .39 - 2.36 CABLE DIA.	**6.75**	F	10	1.5	10583
F95RG	RUBBER GROMMET FOR .47 - 3.15 CABLE DIA.	**7.50**	F	10	1.7	10585

Sealing Plate

F43SP	SERIES 1 SEALING PLATE 4x3x.5	**10.95**	F	10	3.0	10546
F54SP	SERIES 1 SEALING PLATE 5x4x.5	**12.50**	F	10	5.0	10548
F94SP	SERIES 1 SEALING PLATE 9x4x.5	**14.25**	F	10	9.0	10550
F124SP	SERIES 1 SEALING PLATE 12x4x.5	**15.75**	F	10	12.0	10552

Coupling Plate

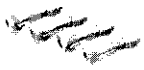


F43CP	SERIES 1 COUPLING PLATE 4x3x.6	**10.95**	F	10	3.0	10554
F54CP	SERIES 1 COUPLING PLATE 5x4x.7	**12.50**	F	10	5.0	10556
F94CP	SERIES 1 COUPLING PLATE 9x4x.7	**14.25**	F	10	9.0	10558
F124CP	SERIES 1 COUPLING PLATE 12x4x.7	**15.75**	F	10	12.0	10561

Inspection Cover

F23IC	SERIES 1 INSPECTION COVER 2x3	**8.50**	F	2	0.3	10532
F43IC	SERIES 1 INSPECTION COVER 4x3	**11.00**	F	10	3.0	10534
F53IC	SERIES 1 INSPECTION COVER 5x3	**14.25**	F	10	3.8	10536
F63IC	SERIES 1 INSPECTION COVER 6x3	**14.75**	F	10	4.5	10538
F83IC	SERIES 1 INSPECTION COVER 8x3	**18.95**	F	5	3.0	10540
F910IC	SERIES 1 INSPECTION COVER 9x10	**20.25**	F	5	7.5	10542
F1310IC	SERIES 1 INSPECTION COVER 13x10	**22.50**	F	5	12.5	10544

Cover Screws



F1SCS	SLOTTED COVER SCREWS- 444,644,664,1044 SIZES	**2.75**	F	25 Sets	3.0	10605
F2SCS	SLOTTED COVER SCREWS- 1065 SIZE AND ABOVE	**2.75**	F	25 Sets	4.0	10607

F1QRCS	QUICK RELEASE COVER SCREWS- 1065 SIZE AND ABOVE	**2.75**	F	25 Sets	5.0	10612

F1HSCS	HINGED SLOTTED COVER SCREWS-1065 SIZE AND ABOVE	**3.10**	F	25 Sets	6.0	10618

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051

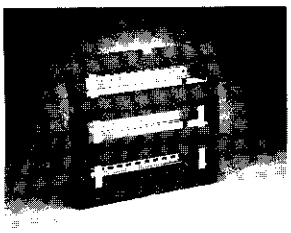
SERIES 1 NON-METALLIC ACCESSORIES (cont.)

Cover Screws - cont.

F1HQRCS	HINGED QUICK RELEASE COVER SCREWS -1065 AND ABOVE	**3.45**	F	25 Sets	7.0	10620

F1TCS	TRIANGULAR HEAD COVER SCREWS-1065 SIZE AND ABOVE	**3.75**	F	25 Sets	10.0	10616

FPTTK	TRIANGULAR KEY	**2.00**	F	1	0.2	10758



Modular Mounting Frames

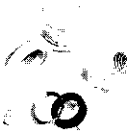
F110MMF	SERIES 1 MOD MTG FRAME-1065,1066 SIZE (10 MODULE)	**32.00**	F	1	1.2	10683
F210MMF	SERIES 1 MOD MTG FRAME-10106 SIZE (20 MODULE)	**39.00**	F	1	1.4	10685
F310MMF	SERIES 1 MOD MTG FRAME-10136,10137 SIZE (30 MODULE)	**51.00**	F	1	2.0	10687
F410MMF	SERIES 1 MOD MTG FRAME-20106,20107 SIZE (40 MODULE)	**65.00**	F	1	2.4	10689
F415MMF	SERIES 1 MOD MTG FRAME-20136,20137 SIZE (60 MODULE)	**80.00**	F	1	2.6	10691

Cable Entry Box

F957CEB	CABLE ENTRY BOX 9x5x7	**27.50**	F	1	2.2	10563
F1257CEB	CABLE ENTRY BOX 12x5x7	**33.50**	F	1	2.9	10565

Cable Joint Box

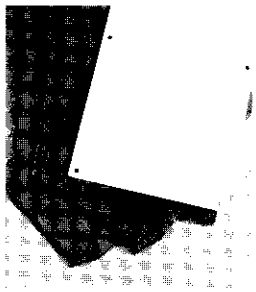
F945CJB	CABLE JOINT BOX 9x4x5	**36.00**	F	1	1.8	10567



Cable Glands

F19CG	CABLE GLAND FOR .31 - .39 CABLE DIA.	**2.25**	F	20	3.0	10587
F21CG	CABLE GLAND FOR .39 - .47 CABLE DIA.	**2.50**	F	20	3.2	10589
F23CG	CABLE GLAND FOR .47 - .55 CABLE DIA.	**2.75**	F	20	3.6	10592
F29CG	CABLE GLAND FOR .55 - .63 CABLE DIA.	**3.00**	F	20	4.0	10594
F38CG	CABLE GLAND FOR .63 - .95 CABLE DIA.	**3.75**	F	10	2.2	10596
F48CG	CABLE GLAND FOR .95 - 1.18 CABLE DIA.	**4.50**	F	10	2.5	10598
F55CG	CABLE GLAND FOR 1.18 - 1.38 CABLE DIA.	**7.95**	F	10	2.7	10601
F60CG	CABLE GLAND FOR 1.38 - 1.56 CABLE DIA.	**9.50**	F	10	2.9	10603

SERIES 2 NON-METALLIC ACCESSORIES



CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Fiberglass Panels						
FPT1210P	SERIES 2 POLYESTER PANEL 12x10	**11.00**	F	1	0.8	10693
FPT1612P	SERIES 2 POLYESTER PANEL 16x12	**16.00**	F	1	1.3	10695
FPT1616P	SERIES 2 POLYESTER PANEL 16x16	**19.00**	F	1	1.8	10697
FPT2016P	SERIES 2 POLYESTER PANEL 20x16	**21.00**	F	1	2.3	10699
FPT2416P	SERIES 2 POLYESTER PANEL 24x16	**34.00**	F	1	2.9	10702
FPT2420P	SERIES 2 POLYESTER PANEL 24x20	**42.00**	F	1	3.7	10704
FPT3224P	SERIES 2 POLYESTER PANEL 32x24	**74.00**	F	1	6.0	10707
Metal Panels (White)						
FPT1210MP	SERIES 2 WHITE METAL PANEL 12x10	**10.00**	F	1	2.0	10709
FPT1612MP	SERIES 2 WHITE METAL PANEL 16x12	**12.00**	F	1	3.2	10712
FPT1616MP	SERIES 2 WHITE METAL PANEL 16x16	**15.00**	F	1	4.4	10714
FPT2016MP	SERIES 2 WHITE METAL PANEL 20x16	**18.00**	F	1	5.7	10717
FPT2416MP	SERIES 2 WHITE METAL PANEL 24x16	**22.00**	F	1	7.1	10719
FPT2420MP	SERIES 2 WHITE METAL PANEL 24x20	**38.00**	F	1	8.8	10722
FPT3224MP	SERIES 2 WHITE METAL PANEL 32x24	**50.00**	F	1	14.4	10724
Metal Panels (Yellow BiChromate)						
FPT1210YZNP	SERIES 2 YELLOW BICHROMATE METAL PANEL 12x10	**8.00**	F	1	2.0	10727
FPT1612YZNP	SERIES 2 YELLOW BICHROMATE METAL PANEL 16x12	**10.00**	F	1	3.2	10729
FPT1616YZNP	SERIES 2 YELLOW BICHROMATE METAL PANEL 16x16	**14.00**	F	1	4.4	10732
FPT2016YZNP	SERIES 2 YELLOW BICHROMATE METAL PANEL 20x16	**16.00**	F	1	5.7	10734
FPT2416YZNP	SERIES 2 YELLOW BICHROMATE METAL PANEL 24x16	**20.00**	F	1	7.1	10736
FPT2420YZNP	SERIES 2 YELLOW BICHROMATE METAL PANEL 24x20	**35.00**	F	1	8.8	10738
FPT3224YZNP	SERIES 2 YELLOW BICHROMATE METAL PANEL 32x24	**45.00**	F	1	14.4	10741

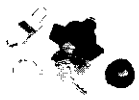
Mounting Brackets

FPT1MB*	SERIES 2 MOUNTING BRACKETS/SET OF 4	**10.00**	F	1	0.2	10753

*FPT1MB Mounting Brackets are supplied with Series 2 Enclosures at no charge.

Locks & Latches

FPTSL	SERIES 2 STANDARD LATCH ASSEMBLY	**10.00**	F	1	0.3	10746



FPTKL	SERIES 2 KEYED LATCH ASSEMBLY	**12.00**	F	1	0.3	10743

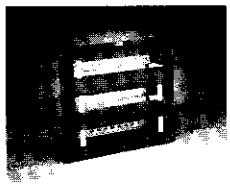
FPTTC	SERIES 2 TRIANGULAR HEAD LATCH ASSEMBLY	**6.00**	F	1	0.3	10756

FPTTK	TRIANGULAR KEY	**2.00**	F	1	0.2	10758

SERIES 2 NON-METALLIC ACCESSORIES (cont.)

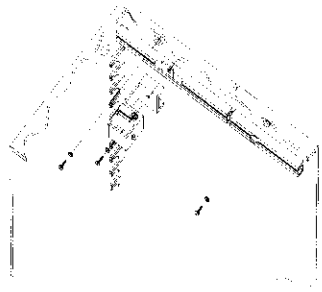
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Locks & Latches - cont.						
FPT1LP	SERIES 2 LOCKABLE PLATE	**8.00**	F	1	0.3	10748

FPT2LP	SERIES 2 STAINLESS STEEL LOCKABLE PLATE	**35.00**	F	1	0.4	10751



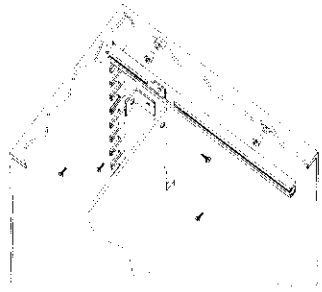
Modular Chassis

FPT110MMF	MODULAR MTG FRAME-12106 SERIES 2 (10 MODULE)	**46.00**	F	1	1.6	10774
FPT210MMF	MODULAR MTG FRAME-12106 SERIES 2 (20 MODULE)	**59.00**	F	1	1.8	10776
FPT212MMF	MODULAR MTG FRAME-16128 SERIES 2 (24 MODULE)	**78.00**	F	1	2.9	10778
FPT312MMF	MODULAR MTG FRAME-16128 SERIES 2 (36 MODULE)	**86.00**	F	1	2.9	10780
FPT218MMF	MODULAR MTG FRAME-16168 SERIES 2 (36 MODULE)	**122.00**	F	1	3.5	10782
FPT3181MMF	MODULAR MTG FRAME-16168 SERIES 2 (54 MODULE)	**158.00**	F	1	4.2	10784
FPT3182MMF	MODULAR MTG FRAME-20168 SERIES 2 (54 MODULE)	**192.00**	F	1	4.3	10786
FPT418MMF	MODULAR MTG FRAME-24209 SERIES 2 (72 MODULE)	**230.00**	F	1	5.2	10788
FPT424MMF	MODULAR MTG FRAME-24209 SERIES 2 (72 MODULE)	**230.00**	F	1	7.0	10790



Adjustable Hinge Panel Kit

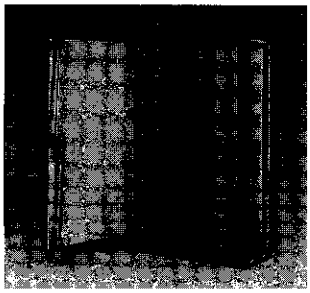
FPT16128AHP	SERIES 2 SWING HINGE PANEL KIT (ENCL. SIZE 16X12X8)	**58.00**	F	1	3.0	10798
FPT16168AHP	SERIES 2 SWING HINGE PANEL KIT (ENCL. SIZE 16X16X8)	**62.00**	F	1	4.2	10801
FPT20168AHP	SERIES 2 SWING HINGE PANEL KIT (ENCL. SIZE 20X16X8)	**64.00**	F	1	4.7	10803
FPT20169AHP	SERIES 2 SWING HINGE PANEL KIT (ENCL. SIZE 20X16X9)	**68.00**	F	1	5.3	10806
FPT24209AHP	SERIES 2 SWING HINGE PANEL KIT (ENCL. SIZE 24X20X9)	**70.00**	F	1	6.7	10808
FPT322412AHP	SERIES 2 SWING HINGE PANEL KIT (ENCL. SIZE 32X24X12)	**84.00**	F	1	10.9	10812



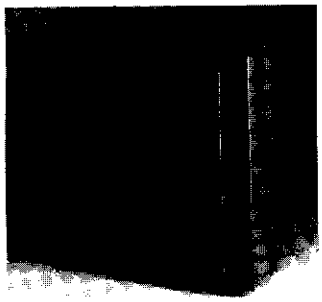
Adjustable Panel Kit

FPT8APK	SERIES 2 ADJUSTABLE PANEL KIT (ENCL. DEPTH 8.07)	**42.00**	F	1	0.7	10792
FPT9APK	SERIES 2 ADJUSTABLE PANEL KIT (ENCL. DEPTH 9.25)	**44.00**	F	1	0.8	10794
FPT12APK	SERIES 2 ADJUSTABLE PANEL KIT (ENCL. DEPTH 12.01)	**47.00**	F	1	0.8	10796

	CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 MODULAR ENCLOSURES - FREE-STANDING SINGLE-DOOR		**18.0 Depth**					
	M723818-12FS	TYPE 12 MOD FS ENCL 72x38x18	**1932.76**	C	1	430.0	48240
	M843818-12FS	TYPE 12 MOD FS ENCL 84x38x18	**2148.97**	C	1	480.0	48254
		24.0 Depth					
	M843824-12FS	TYPE 12 MOD FS ENCL 84x38x24	**2339.00**	C	1	502.0	48256
TYPE 12 MODULAR ENCLOSURES - FREE-STANDING DOUBLE-DOOR		**18.0 Depth**					
	M727718-12FS	TYPE 12 MOD FS ENCL 72x77x18	**3516.13**	C	1	883.0	48242
	M847718-12FS	TYPE 12 MOD FS ENCL 84x77x18	**3899.35**	C	1	940.0	48258
		24.0 Depth					
	M847724-12FS	TYPE 12 MOD FS ENCL 84x77x24	**4165.36**	C	1	1015.0	48260
TYPE 12 MODULAR FLANGE-MOUNT ENCLOSURES - FREE-STANDING SINGLE-DOOR		**18.0 Depth**					
	MFD723918-12FS	TYPE 12 MOD FS DD 72x39x18	**1956.74**	C	1	462.0	48262
	MFD843918-12FS	TYPE 12 MOD FS DD 84x39x18	**2176.13**	C	1	520.0	48266
		24.0 Depth					
	MFD843924-12FS	TYPE 12 MOD FS DD 84x39x24	**2373.86**	C	1	700.0	48268
TYPE 12 MODULAR FLANGE-MOUNT ENCLOSURES - FREE-STANDING DOUBLE-DOOR		**18.0 Depth**					
	MFD727818-12FS	TYPE 12 MOD FS DD 72x78x18	**3540.96**	C	1	892.0	48264
	MFD847818-12FS	TYPE 12 MOD FS DD 84x78x18	**3927.36**	C	1	978.0	48270
		24.0 Depth					
	MFD847824-12FS	TYPE 12 MOD FS DD 84x78x24	**4195.03**	C	1	1053.0	48272

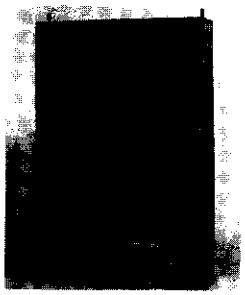


CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 MODULAR FREE-STANDING ACCESSORIES						
End Plate						
M7218-12FEK	MODULAR END PLATE	**350.11**	C	1	95.0	48236
M8418-12FEK	MODULAR END PLATE	**384.77**	C	1	110.0	48246
M8424-12FEK	MODULAR END PLATE	**419.31**	C	1	145.0	48252
Flat End Plate/Barrier						
M7218-12FBK	MOD FLAT END PLATE/BARRIER	**256.33**	C	1	95.0	48234
M8418-12FBK	MOD FLAT END PLATE/BARRIER	**281.46**	C	1	110.0	48244
M8424-12FBK	MOD FLAT END PLATE/BARRIER	**314.12**	C	1	145.0	48250
Gasket Kit						
M7218-12FGK	MODULAR GASKET KIT	**75.39**	C	1	4.0	48238
M8418-12FGK	MODULAR GASKET KIT	**85.44**	C	1	10.0	48248
M8424-12FGK	MODULAR GASKET KIT	**90.47**	C	1	13.0	48253
TYPE 12 FLANGE-MOUNT DISCONNECT ENCLOSURES						
	8.0 Depth					
FD20218-12	TYPE 12 FLANGE DISC ENCL	**343.14**	C	1	41.0	40310
FD24218-12	TYPE 12 FLANGE DISC ENCL	**368.54**	C	1	42.0	40314
FD24258-12	TYPE 12 FLANGE DISC ENCL	**397.95**	C	1	54.0	40318
FD30218-12	TYPE 12 FLANGE DISC ENCL	**407.19**	C	1	57.0	40322
FD30258-12	TYPE 12 FLANGE DISC ENCL	**441.92**	C	1	67.0	40328
FD36258-12	TYPE 12 FLANGE DISC ENCL	**469.45**	C	1	70.0	40332
FD36318-12	TYPE 12 FLANGE DISC ENCL	**546.04**	C	1	90.0	40340
FD42318-12	TYPE 12 FLANGE DISC ENCL	**598.25**	C	1	101.0	40656
FD42378-12	TYPE 12 FLANGE DISC ENCL	**666.82**	C	1	118.0	40662
FD48378-12	TYPE 12 FLANGE DISC ENCL	**727.22**	C	1	143.0	40670
FD60378-12	TYPE 12 FLANGE DISC ENCL	**848.23**	C	1	160.0	40302
	10.0 Depth					
FD202110-12	TYPE 12 FLANGE DISC ENCL	**361.45**	C	1	49.0	40308
FD242110-12	TYPE 12 FLANGE DISC ENCL	**388.85**	C	1	52.0	40312
FD242510-12	TYPE 12 FLANGE DISC ENCL	**419.82**	C	1	60.0	40316
FD302110-12	TYPE 12 FLANGE DISC ENCL	**429.94**	C	1	63.0	40320
FD302510-12	TYPE 12 FLANGE DISC ENCL	**466.51**	C	1	76.0	40324
FD362510-12	TYPE 12 FLANGE DISC ENCL	**513.18**	C	1	79.0	40330
FD363110-12	TYPE 12 FLANGE DISC ENCL	**576.23**	C	1	95.0	40334
FD423110-12	TYPE 12 FLANGE DISC ENCL	**631.13**	C	1	112.0	40652
FD423710-12	TYPE 12 FLANGE DISC ENCL	**702.09**	C	1	126.0	40658
FD483710-12	TYPE 12 FLANGE DISC ENCL	**765.68**	C	1	155.0	40664
FD603710-12	TYPE 12 FLANGE DISC ENCL	**892.23**	C	1	170.0	40672
	12.0 Depth					
FD302512-12	TYPE 12 FLANGE DISC ENCL	**491.45**	C	1	76.0	40326
FD363112-12	TYPE 12 FLANGE DISC ENCL	**606.41**	C	1	95.0	40336
FD423112-12	TYPE 12 FLANGE DISC ENCL	**664.13**	C	1	125.0	40654
FD423712-12	TYPE 12 FLANGE DISC ENCL	**738.20**	C	1	128.0	40660
FD483712-12	TYPE 12 FLANGE DISC ENCL	**804.08**	C	1	158.0	40666
FD603712-12	TYPE 12 FLANGE DISC ENCL	**935.79**	C	1	172.0	40674
	16.0 Depth					
FD363116-12	TYPE 12 FLANGE DISC ENCL	**668.12**	C	1	115.0	40338
FD483716-12	TYPE 12 FLANGE DISC ENCL	**880.91**	C	1	162.9	40668
FD603716-12	TYPE 12 FLANGE DISC ENCL	**1023.55**	C	1	180.0	40300



Panel not included - see page 88

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 FLOOR-STANDING DOUBLE-DOOR DISCONNECT ENCLOSURES						
	Center-Mounted					
	12.0 Depth					
CD604812-12FD	TYPE 12 CENTER DISC ENCL	**2375.62**	C	1	429.0	46400
CD606012-12FD	TYPE 12 CENTER DISC ENCL	**2659.07**	C	1	536.0	46402
CD726012-12FD	TYPE 12 CENTER DISC ENCL	**3193.88**	C	1	643.0	46406
CD727212-12FD	TYPE 12 CENTER DISC ENCL	**3273.12**	C	1	772.0	32524
	18.0 Depth					
CD727218-12FD	TYPE 12 CENTER DISC ENCL	**3556.09**	C	1	810.0	46408
	Flange-Mounted					
	12.0 Depth					
FD604912-12FD	TYPE 12 FLANGE DISC ENCL	**2399.21**	C	1	438.0	47400
FD606112-12FD	TYPE 12 FLANGE DISC ENCL	**2682.56**	C	1	545.0	47404
FD726112-12FD	TYPE 12 FLANGE DISC ENCL	**2971.02**	C	1	654.0	47414
FD727312-12FD	TYPE 12 FLANGE DISC ENCL	**3300.68**	C	1	783.0	47424
	18.0 Depth					
FD604918-12FD	TYPE 12 FLANGE DISC ENCL	**2613.52**	C	1	657.0	47402
FD606118-12FD	TYPE 12 FLANGE DISC ENCL	**2922.48**	C	1	817.0	47405
FD726118-12FD	TYPE 12 FLANGE DISC ENCL	**3231.51**	C	1	982.0	47416
FD727318-12FD	TYPE 12 FLANGE DISC ENCL	**3585.57**	C	1	1175.0	47426
	24.0 Depth					
FD727324-12FD	TYPE 12 FLANGE DISC ENCL	**3871.75**	C	1	1566.0	47428
TYPE 12 HEAVY-DUTY FLANGE-MOUNT FREE-STANDING SINGLE-DOOR DISCONNECT ENCLOSURES						
	18.0 Depth					
FD722718-12FS	TYPE 12 FS DISCONNECT ENCL	**1888.21**	C	1	435.0	47406
FD723318-12FS	TYPE 12 FS DISCONNECT ENCL	**2093.01**	C	1	531.0	47408
FD723918-12FS	TYPE 12 FS DISCONNECT ENCL	**2297.25**	C	1	627.0	47410
FD843918-12FS	TYPE 12 FS DISCONNECT ENCL	**2553.68**	C	1	732.0	47442
	20.0 Depth					
FD903920-12FS	TYPE 12 FS DISCONNECT ENCL	**2763.74**	C	1	870.0	47448
	24.0 Depth					
FD903924-12FS	TYPE 12 FS DISCONNECT ENCL	**2927.90**	C	1	1045.0	47450
TYPE 12 HEAVY-DUTY FLANGE-MOUNT FREE-STANDING DISCONNECT ENCLOSURES	**Two-Door**					
	18.0 Depth					
FD725318-12FS	TYPE 12 FS DISCONNECT ENCL	**3314.04**	C	1	852.0	47412
FD726518-12FS	TYPE 12 FS DISCONNECT ENCL	**3734.14**	C	1	1046.0	47422
FD727718-12FS	TYPE 12 FS DISCONNECT ENCL	**4154.21**	C	1	1239.0	47430
FD847718-12FS	TYPE 12 FS DISCONNECT ENCL	**4609.75**	C	1	1445.0	47444
	20.0 Depth					
FD907720-12FS	TYPE 12 FS DISCONNECT ENCL	**4951.85**	C	1	1720.0	47452
	24.0 Depth					
FD727724-12FS	TYPE 12 FS DISCONNECT ENCL	**4452.09**	C	1	1652.0	47432
FD907724-12FS	TYPE 12 FS DISCONNECT ENCL	**5166.82**	C	1	2065.0	47454



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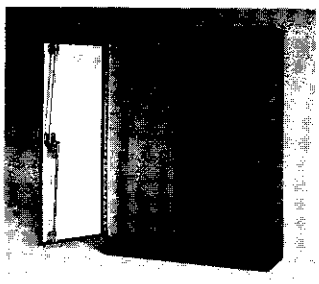
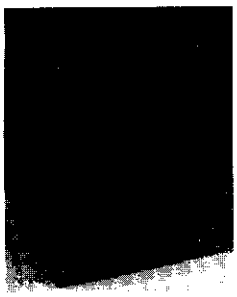
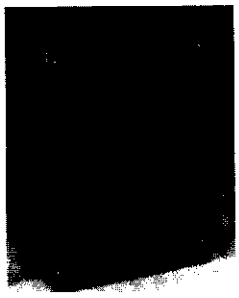


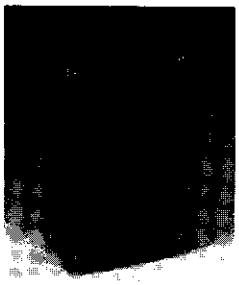
Panel not included - see page 89

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 HEAVY-DUTY FLANGE-MOUNT FREE-STANDING DISCONNECT ENCLOSURES (cont.)						
	Three-Door					
	18.0 Depth					
FD729918-12FS	TYPE 12 FS DISCONNECT ENCL	**5099.43**	C	1	1593.0	47434
FD8411718-12FS	TYPE 12 FS DISCONNECT ENCL	**6399.49**	C	1	2196.0	32528
	24.0 Depth					
FD9011724-12FS	TYPE 12 FS DISCONNECT ENCL	**7140.72**	C	1	3137.0	47446
	Four-Door					
	18.0 Depth					
FD8415718-12FS	TYPE 12 FS DISCONNECT ENCL	**8316.14**	C	1	2947.0	47436
	Five-Door					
	18.0 Depth					
FD8419618-12FS	TYPE 12 FS DISCONNECT ENCL	**9933.02**	C	1	3680.0	47440
TYPE 12 STANDARD PUSHBUTTON ENCLOSURES						
PB1	TYPE 12 STANDARD PB ENCL	**43.84**	C	1	2.5	70039
PB2	TYPE 12 STANDARD PB ENCL	**50.09**	C	1	2.0	70065
PB3	TYPE 12 STANDARD PB ENCL	**56.22**	C	1	2.5	70075
PB4	TYPE 12 STANDARD PB ENCL	**61.75**	C	1	3.5	70078
PB6	TYPE 12 STANDARD PB ENCL	**79.17**	C	1	5.0	70086
PB9	TYPE 12 STANDARD PB ENCL	**92.21**	C	1	6.5	70102
PB12	TYPE 12 STANDARD PB ENCL	**104.16**	C	1	7.5	70044
PB16	TYPE 12 STANDARD PB ENCL	**119.50**	C	1	9.5	70056
PB20	TYPE 12 STANDARD PB ENCL	**140.04**	C	1	12.0	70066
PB25	TYPE 12 STANDARD PB ENCL	**151.68**	C	1	14.0	70070
TYPE 12 EXTRA-DEEP PUSHBUTTON ENCLOSURES						
PBX4	TYPE 12 X-DEEP PB ENCL	**79.15**	C	1	6.0	70232
PBX6	TYPE 12 X-DEEP PB ENCL	**91.87**	C	1	8.0	70234
PBX9	TYPE 12 X-DEEP PB ENCL	**105.06**	C	1	9.0	70236
PBX12	TYPE 12 X-DEEP PB ENCL	**120.38**	C	1	9.5	70220
PBX16	TYPE 12 X-DEEP PB ENCL	**137.59**	C	1	12.0	70222
PBX20	TYPE 12 X-DEEP PB ENCL	**153.72**	C	1	15.0	70224
PBX25	TYPE 12 X-DEEP PB ENCL	**173.34**	C	1	16.0	70226
PBX30	TYPE 12 X-DEEP PB ENCL	**214.44**	C	1	20.0	70228
PBX36	TYPE 12 X-DEEP PB ENCL	**247.20**	C	1	23.0	70230



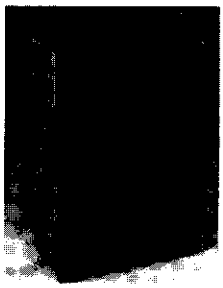


TYPE 12 MINIATURE PUSHBUTTON ENCLOSURES



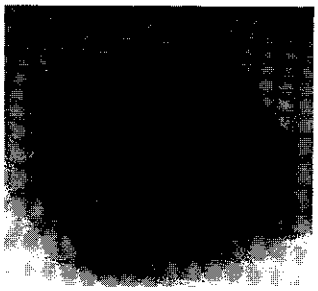
CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
PB1B	TYPE 12 MINI PB ENCL	**45.99**	C	1	2.0	70064
PB2B	TYPE 12 MINI PB ENCL	**51.57**	C	1	2.0	70074
PBS3B	TYPE 12 MINI PB ENCL	**57.75**	C	1	3.0	70216
PBS4B	TYPE 12 MINI PB ENCL	**63.75**	C	1	4.0	70218
PB4B	TYPE 12 MINI PB ENCL	**62.96**	C	1	4.0	70084
PB6B	TYPE 12 MINI PB ENCL	**79.81**	C	1	5.0	70096
PB9B	TYPE 12 MINI PB ENCL	**89.04**	C	1	6.0	70150
PB12B	TYPE 12 MINI PB ENCL	**98.82**	C	1	8.0	70050
PB16B	TYPE 12 MINI PB ENCL	**102.50**	C	1	8.5	70062
PB20B	TYPE 12 MINI PB ENCL	**122.25**	C	1	9.0	70068
PB25B	TYPE 12 MINI PB ENCL	**134.38**	C	1	9.5	70072
PB30B	TYPE 12 MINI PB ENCL	**147.38**	C	1	10.0	70076

TYPE 12 HINGE COVER PUSHBUTTON ENCLOSURES



PBP4	TYPE 12 HINGE CVR PB W/PANEL	**103.56**	C	1	10.0	70208
PBP6	TYPE 12 HINGE CVR PB W/PANEL	**119.29**	C	1	12.0	70212
PBP9	TYPE 12 HINGE CVR PB W/PANEL	**138.94**	C	1	15.0	70214
PBP12	TYPE 12 HINGE CVR PB W/PANEL	**157.37**	C	1	17.0	70304
PBP16	TYPE 12 HINGE CVR PB W/PANEL	**179.77**	C	1	19.0	70306
PBP20	TYPE 12 HINGE CVR PB W/PANEL	**201.27**	C	1	25.0	70308
PBP25	TYPE 12 HINGE CVR PB W/PANEL	**226.71**	C	1	27.0	70202
PBP30	TYPE 12 HINGE CVR PB W/PANEL	**250.91**	C	1	29.0	70204
PBP36	TYPE 12 HINGE CVR PB W/PANEL	**279.17**	C	1	34.0	70206
PBP42	TYPE 12 HINGE CVR PB W/PANEL	**306.02**	C	1	38.0	70210

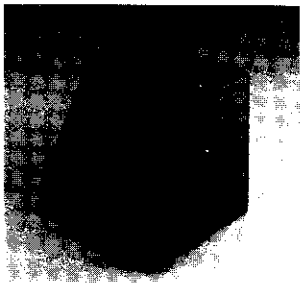
TYPE 12 ANGLE FRONT PUSHBUTTON ENCLOSURES

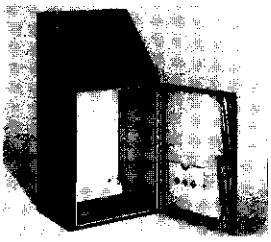


PBC2	TYPE 12 ANGLE FRONT PB ENCL	**69.89**	C	1	2.0	70156
PBCS3	TYPE 12 ANGLE FRONT PB ENCL	**79.65**	C	1	4.0	70170
PBCS4	TYPE 12 ANGLE FRONT PB ENCL	**100.49**	C	1	5.0	70172
PBC3	TYPE 12 ANGLE FRONT PB ENCL	**76.95**	C	1	4.0	70162
PBC4	TYPE 12 ANGLE FRONT PB ENCL	**89.39**	C	1	5.0	70164
PBC6	TYPE 12 ANGLE FRONT PB ENCL	**116.20**	C	1	7.0	70166
PBC8	TYPE 12 ANGLE FRONT PB ENCL	**131.85**	C	1	9.0	70167
PBCS12	TYPE 12 ANGLE FRONT PB ENCL	**153.11**	C	1	13.0	70168
PBC12	TYPE 12 ANGLE FRONT PB ENCL	**159.67**	C	1	13.0	70152
PBC16	TYPE 12 ANGLE FRONT PB ENCL	**170.88**	C	1	16.0	70154
PBC20	TYPE 12 ANGLE FRONT PB ENCL	**197.12**	C	1	17.0	70158
PBC25	TYPE 12 ANGLE FRONT PB ENCL	**224.38**	C	1	20.0	70160

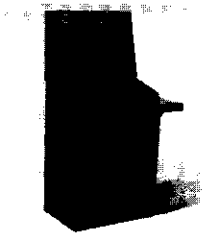
	CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 VERTICAL PUSHBUTTON ENCLOSURES	**PV1**	TYPE 12 VERTICAL PB ENCL	**43.84**	C	1	1.5	70238
	PV2	TYPE 12 VERTICAL PB ENCL	**50.09**	C	1	2.0	70242
	PV3	TYPE 12 VERTICAL PB ENCL	**56.22**	C	1	2.5	70244
	PV4	TYPE 12 VERTICAL PB ENCL	**61.75**	C	1	3.0	70246
	PV5	TYPE 12 VERTICAL PB ENCL	**67.27**	C	1	3.5	70248
	PV6	TYPE 12 VERTICAL PB ENCL	**79.17**	C	1	4.0	70250
	PV7	TYPE 12 VERTICAL PB ENCL	**80.73**	C	1	4.5	70252
	PV8	TYPE 12 VERTICAL PB ENCL	**90.18**	C	1	5.0	70254
	PV9	TYPE 12 VERTICAL PB ENCL	**92.21**	C	1	5.5	70104
	PV10	TYPE 12 VERTICAL PB ENCL	**102.55**	C	1	6.0	70240
TYPE 12 EXTRA-DEEP VERTICAL PUSHBUTTON ENCLOSURES	**PVX1**	TYPE 12 X-DEEP VERTICAL PB ENCL	**54.85**	C	1	2.0	70118
	PVX2	TYPE 12 X-DEEP VERTICAL PB ENCL	**62.99**	C	1	2.5	70120
	PVX3	TYPE 12 X-DEEP VERTICAL PB ENCL	**71.08**	C	1	3.0	70122
	PVX4	TYPE 12 X-DEEP VERTICAL PB ENCL	**79.15**	C	1	4.0	70124
TYPE 12 VERTICAL SLIM PUSHBUTTON ENCLOSURES	**PVS1**	TYPE 12 VERTICAL SLIM PB ENCL	**46.67**	C	1	1.5	70106
	PVS2	TYPE 12 VERTICAL SLIM PB ENCL	**52.13**	C	1	2.5	70108
	PVS3	TYPE 12 VERTICAL SLIM PB ENCL	**57.59**	C	1	3.0	70110
	PVS4	TYPE 12 VERTICAL SLIM PB ENCL	**63.83**	C	1	3.5	70112
	PVS5	TYPE 12 VERTICAL SLIM PB ENCL	**69.42**	C	1	4.0	70114
	PVS6	TYPE 12 VERTICAL SLIM PB ENCL	**78.26**	C	1	6.0	70116
TYPE 12 PENDENT PUSHBUTTON ENCLOSURES	**P1**	TYPE 12 PENDENT PB ENCL	**53.82**	C	1	2.0	70000
	P2	TYPE 12 PENDENT PB ENCL	**60.06**	C	1	3.0	70002
	P3	TYPE 12 PENDENT PB ENCL	**66.30**	C	1	3.5	70004
	P4	TYPE 12 PENDENT PB ENCL	**71.89**	C	1	4.0	70006
	P5	TYPE 12 PENDENT PB ENCL	**77.48**	C	1	4.5	70008
	P6	TYPE 12 PENDENT PB ENCL	**88.40**	C	1	5.0	70010
	P7	TYPE 12 PENDENT PB ENCL	**91.65**	C	1	6.0	70012
	P8	TYPE 12 PENDENT PB ENCL	**98.02**	C	1	6.5	70014

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 CONSOLET ENCLOSURES						
	7.12 Depth					
AC-8C8	TYPE 12 CONSOLET 8x8	**105.45**	C	1	7.5	41040
AC-8C12	TYPE 12 CONSOLET 8x12	**116.66**	C	1	12.0	41034
AC-8C16	TYPE 12 CONSOLET 8x16	**128.10**	C	1	17.0	41036
AC-8C20	TYPE 12 CONSOLET 8x20	**139.26**	C	1	22.0	41038
	9.12 Depth					
AC-12C12	TYPE 12 CONSOLET 12x12	**141.13**	C	1	14.3	41000
AC-12C16	TYPE 12 CONSOLET 12x16	**173.63**	C	1	17.3	41002
AC-12C20	TYPE 12 CONSOLET 12x20	**185.25**	C	1	20.3	41004
AC-12C24	TYPE 12 CONSOLET 12x24	**188.88**	C	1	23.5	41006
	11.12 Depth					
AC-16C16	TYPE 12 CONSOLET 16x16	**183.00**	C	1	23.0	41008
AC-16C20	TYPE 12 CONSOLET 16x20	**203.25**	C	1	26.8	41010
AC-16C24	TYPE 12 CONSOLET 16x24	**223.50**	C	1	30.8	41012
AC-16C30	TYPE 12 CONSOLET 16x30	**254.00**	C	1	40.0	41014
AC-16C36	TYPE 12 CONSOLET 16x36	**286.50**	C	1	41.5	41016
	13.12 Depth					
AC-20C20	TYPE 12 CONSOLET 20x20	**234.38**	C	1	34.5	41020
AC-20C24	TYPE 12 CONSOLET 20x24	**259.75**	C	1	38.8	41022
AC-20C30	TYPE 12 CONSOLET 20x30	**287.32**	C	1	45.5	41024
SERIES AW-9 CONSOLES						
	18.0 Depth					
AC-924B	SERIES 9 CONSOLE BODY-24"	**1294.40**	C	1	115.0	42700
AC-936B	SERIES 9 CONSOLE BODY-36"	**1588.61**	C	1	146.0	42702
	Back Panel					
AW3020P	NEMA PANEL ONLY	**54.09**	C	1	16.0	79420
AW3030P	NEMA PANEL ENCL	**88.08**	C	1	23.0	70340
	Side Panel					
AW3020P	NEMA PANEL ONLY	**54.09**	C	1	16.0	79420
AW3030P	NEMA PANEL ENCL	**88.08**	C	1	23.0	70340
SERIES AW-12 CONSOLES						
	24.0 Depth					
AC-1224B	SERIES 12 CONSOLE BODY-24"	**1543.05**	C	1	107.0	42500
AC-1236B	SERIES 12 CONSOLE BODY-36"	**1789.43**	C	1	135.0	42506
AC-1248B	SERIES 12 CONSOLE BODY-48"	**2195.45**	C	1	167.0	42512
	Top Assemblies					
AC-1224T	SERIES 12 CONSOLE TOP ASSY	**487.30**	C	1	43.8	42502
AC-1236T	SERIES 12 CONSOLE TOP ASSY	**565.66**	C	1	60.0	42508
AC-1248T	SERIES 12 CONSOLE TOP ASSY	**666.50**	C	1	72.3	42516
	Writing Desks					
AC-1224W	SERIES 12 CONSOLE WRITING DESK	**142.88**	C	1	9.5	42504
AC-1236W	SERIES 12 CONSOLE WRITING DESK	**186.18**	C	1	13.0	42510
AC-1248W	SERIES 12 CONSOLE WRITING DESK	**224.03**	C	1	16.8	42518



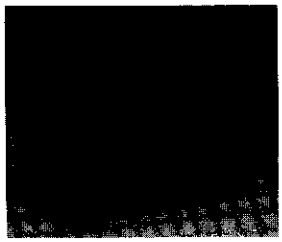


Panel not included - see page 88



Panel not included - see page 88

CATALOG NUMBER	DESCRIPTION/ENCLOSURE SIZE HEIGHT WIDTH DEPTH A x B x C	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
SERIES AW-14 CONSOLES	23.0 Depth					
AC-1424B	SERIES 14 CONSOLE BODY-24"	**1992.59**	C	1	149.0	42528
AC-1436B	SERIES 14 CONSOLE BODY-36"	**2329.12**	C	1	185.0	42540
AC-1448B	SERIES 14 CONSOLE BODY-48"	**2808.95**	C	1	233.0	42552
AC-1460B	SERIES 14 CONSOLE BODY-60"	**3103.35**	C	1	270.0	42562
AC-1472B	SERIES 14 CONSOLE BODY-72"	**3397.74**	C	1	305.0	42572
	Top Assemblies					
AC-1424T	SERIES 14 CONSOLE TOP ASSY	**464.09**	C	1	45.0	42536
AC-1436T	SERIES 14 CONSOLE TOP ASSY	**574.85**	C	1	59.0	42548
AC-1448T	SERIES 14 CONSOLE TOP ASSY	**685.64**	C	1	76.5	42558
AC-1460T	SERIES 14 CONSOLE TOP ASSY	**796.45**	C	1	95.0	42568
AC-1472T	SERIES 14 CONSOLE TOP ASSY	**907.18**	C	1	109.5	42576
	Writing Desks					
AC-1424W	SERIES 14 CONSOLE WRITING DESK	**146.03**	C	1	11.0	42538
AC-1436W	SERIES 14 CONSOLE WRITING DESK	**187.67**	C	1	15.0	42550
AC-1448W	SERIES 14 CONSOLE WRITING DESK	**229.43**	C	1	19.0	42560
AC-1460W	SERIES 14 CONSOLE WRITING DESK	**271.13**	C	1	23.0	42570
AC-1472W	SERIES 14 CONSOLE WRITING DESK	**313.06**	C	1	27.0	42578
SERIES AW-14 CONSOLES FULL & HALF PANEL ACCESSORIES	**Full Panels**					
AC-1424P	SERIES 14 FULL PANEL FOR AC-1424B	**212.90**	C	1	30.0	42532
AC-1436P	SERIES 14 FULL PANEL FOR AC-1436B	**278.98**	C	1	43.0	42544
AC-1448P	SERIES 14 FULL PANEL FOR AC-1448B	**345.04**	C	1	57.5	42556
AC-1460P	SERIES 14 FULL PANEL FOR AC-1460B	**411.24**	C	1	70.5	42566
AC-1472P	SERIES 14 FULL PANEL FOR AC-1472B	**477.43**	C	1	83.0	42574
	Half Panels					
AC-1424HP	SERIES 14 HALF PANEL FOR AC-1424B	**147.87**	C	1	16.5	42530
AC-1436HP	SERIES 14 HALF PANEL FOR AC-1436B	**182.21**	C	1	24.0	42542
AC-1448HP	SERIES 14 HALF PANEL FOR AC-1448B	**216.76**	C	1	31.0	42554
AC-1460HP	SERIES 14 HALF PANEL FOR AC-1460B	**251.27**	C	1	38.0	42564
SERIES AW-14 CONSOLES SWING PANELS & TERMINAL STRAP ACCESSORIES	**Swing Panels**					
AC-1424SWP	SERIES 14 SWING PANEL FOR AC-1424B	**180.29**	C	1	40.5	42534
AC-1436SWP	SERIES 14 SWING PANEL FOR AC-1436B	**225.55**	C	1	54.0	42546
	Terminal Strap Kits					
24TS20	SERIES 14 TERMINAL STRAP KIT	**97.11**	C	1	6.5	31820
24TS24	SERIES 14 TERMINAL STRAP KIT	**119.73**	C	1	6.5	31825
MISCELLANEOUS CONSOLE ACCESSORIES						
AFSBRKT1	PANEL MTG BRACKET KIT FOR AW-14 SERIES	**20.75**	C	1	1.0	42808
AFCMH3	CHANNEL MTG HARDWARE KIT FOR AW-14 SERIES	**13.75**	C	1	0.3	42804
FTB3005	MED-DUTY FLAT BASE TERM. FOR AW-14 SERIES	**15.00**	C	1	0.5	47662
FTE3001	MED-DUTY FLAT END FOR AW-14 SERIES	**1.95**	C	1	0.5	47664
CTB3005	MED-DUTY CHANNEL TERM. FOR AW-12 SERIES	**17.60**	C	1	0.5	46434
CTE3001	MED-DUTY CHANNEL END FOR AW-12 SERIES	**1.87**	C	1	0.5	46438
FT6005	HEAVY-DUTY FLAT BASE TERM. FOR AW-14 SERIES	**50.10**	C	1	0.5	47660
FE6001	HEAVY-DUTY FLAT END FOR AW-14 SERIES	**4.05**	C	1	0.5	47600
CT6005	HEAVY-DUTY CHANNEL TERM. FOR AW-12 SERIES	**35.75**	C	1	0.5	46432
CE6001	HEAVY-DUTY CHANNEL END FOR AW-12 SERIES	**5.06**	C	1	0.5	46430
CTC2	CHANNEL CLAMP FOR AW-12 SERIES	**3.08**	C	1	0.5	46436
25012 A	CHANNEL STRIP FOR AW-12 SERIES	**24.53**	C	1	0.5	32434



Panels not included - see page 88

JIC & SMALL ENCLOSURE PANELS

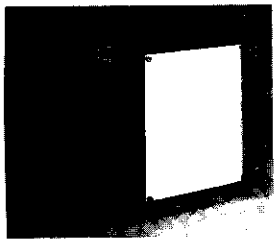
CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
JIC Flat Panel (Steel)						
AW64P	JIC PANEL, FOR ENCL 6x4	**2.93**	C	1	4.5	79305
AW66P	JIC PANEL, FOR ENCL 6x6	**3.54**	C	1	1.0	79310
AW86P	JIC PANEL, FOR ENCL 8x6	**4.08**	C	1	6.0	79320
AW88P	JIC PANEL, FOR ENCL 8x8	**4.77**	C	1	8.0	79330
AW108P	JIC PANEL, FOR ENCL 10x8	**5.57**	C	1	9.5	79340
AW1010P	JIC PANEL, FOR ENCL 10x10	**6.60**	C	1	6.0	79350
AW126P	JIC PANEL, FOR ENCL 12x6	**5.23**	C	1	1.1	70372
AW1210P	JIC PANEL, FOR ENCL 12x10	**7.55**	C	1	7.3	79360
AW1212P	JIC PANEL, FOR ENCL 12x12	**8.90**	C	1	8.8	79370
AW148P	JIC PANEL, FOR ENCL 14x8	**7.24**	C	1	1.7	70376
AW1412P	JIC PANEL, FOR ENCL 14x12	**9.90**	C	1	10.3	79380
AW1610P	JIC PANEL, FOR ENCL 16x10	**9.68**	C	1	2.4	70378
AW1614P	JIC PANEL, FOR ENCL 16x14	**13.13**	C	1	13.8	79390
JIC Flat Panel (Stainless)						
AW64SP	JIC SS PANEL, FOR ENCL 6x4	**9.52**	C	1	4.5	79306
AW66SP	JIC SS PANEL, FOR ENCL 6x6	**11.79**	C	1	6.8	79311
AW86SP	JIC SS PANEL, FOR ENCL 8x6	**13.90**	C	1	6.0	79321
AW108SP	JIC SS PANEL, FOR ENCL 10x8	**20.22**	C	1	9.5	79345
AW1010SP	JIC SS PANEL, FOR ENCL 10x10	**21.34**	C	1	6.0	79355
AW1210SP	JIC SS PANEL, FOR ENCL 12x10	**28.45**	C	1	7.3	79365
AW1212SP	JIC SS PANEL, FOR ENCL 12x12	**33.22**	C	1	8.8	32520
AW1412SP	JIC SS PANEL, FOR ENCL 14x12	**38.25**	C	1	10.3	79382
AW1614SP	JIC SS PANEL, FOR ENCL 16x14	**49.96**	C	1	13.8	79391
JIC Flat Panel (Aluminum)						
AW64AP	JIC ALUM PANEL, FOR ENCL 6x4	**8.26**	C	1	0.1	70360
AW66AP	JIC ALUM PANEL, FOR ENCL 6x6	**9.62**	C	1	0.2	70362
AW86AP	JIC ALUM PANEL, FOR ENCL 8x6	**10.84**	C	1	0.3	70310
AW108AP	JIC ALUM PANEL, FOR ENCL 10x8	**14.67**	C	1	1.0	70368
AW1010AP	JIC ALUM PANEL, FOR ENCL 10x10	**18.70**	C	1	6.0	79347
AW1210AP	JIC ALUM PANEL, FOR ENCL 12x10	**19.60**	C	1	1.3	70370
AW1212AP	JIC ALUM PANEL, FOR ENCL 12x12	**24.86**	C	1	1.0	32518
AW1412AP	JIC ALUM PANEL, FOR ENCL 14x12	**25.66**	C	1	1.4	70374
AW1614AP	JIC ALUM PANEL, FOR ENCL 16x14	**32.83**	C	1	1.8	70382
Small Enclosure						
N66P	PANEL, WHT STL FOR ENCL 6x6	**3.05**	A	1	0.5	37719
N86P	PANEL, WHT STL FOR ENCL 8x6	**3.59**	A	1	0.8	37721
N88P	PANEL, WHT STL FOR ENCL 8x8	**4.20**	A	1	1.0	37723
N108P	PANEL, WHT STL FOR ENCL 10x8	**5.57**	A	1	1.5	37722
N1010P	PANEL, WHT STL FOR ENCL 10x10	**6.60**	A	1	1.5	37695
N1210P	PANEL, WHT STL FOR ENCL 12x10	**7.55**	A	1	2.0	37696
N1212P	PANEL, WHT STL FOR ENCL 12x12	**8.90**	A	1	2.5	37698
N1412P	PANEL, WHT STL FOR ENCL 14x12	**9.90**	A	1	3.0	37699

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
RHC PANELS						
Flat Panel						
N1412P	PANEL, WHT STL FOR RHC ENCL	**9.90**	A	1	3.0	37699
N1612P	PANEL, WHT STL FOR RHC ENCL	**19.68**	A	1	3.3	37700
N1616P	PANEL, WHT STL FOR RHC ENCL	**24.21**	A	1	4.8	37701
N2016P	PANEL, WHT STL FOR RHC ENCL	**28.80**	A	1	3.5	37702
N2020P	PANEL, WHT STL FOR RHC ENCL	**34.78**	A	1	7.8	37703
Flanged Panel						
N2420P	PANEL, WHT STL FOR RHC ENCL	**45.05**	A	1	11.0	37704
N2424P	PANEL, WHT STL FOR RHC ENCL	**51.75**	A	1	13.5	37705
N3024P	PANEL, WHT STL FOR RHC ENCL	**62.74**	A	1	16.8	37706
N3030P	PANEL, WHT STL FOR RHC ENCL	**88.08**	A	1	21.5	37711
N3624P	PANEL, WHT STL FOR RHC ENCL	**75.07**	A	1	20.5	37707
N3630P	PANEL, WHT STL FOR RHC ENCL	**99.86**	A	1	26.3	37712
N3636P	PANEL, WHT STL FOR RHC ENCL	**117.03**	A	1	31.5	37715
N4230P	PANEL, WHT STL FOR RHC ENCL	**114.22**	A	1	30.8	37713
N4236P	PANEL, WHT STL FOR RHC ENCL	**134.55**	A	1	37.3	37716
N4836P	PANEL, WHT STL FOR RHC ENCL	**152.01**	A	1	42.8	37717
NEMA FLAT PANELS						
Steel						
AW1612P	NEMA PANEL, FOR ENCL 16x12	**19.68**	C	1	4.1	79385
AW1616P	NEMA PANEL, FOR ENCL 16x16	**24.21**	C	1	3.9	70386
AW2012P	NEMA PANEL, FOR ENCL 20x12	**22.81**	C	1	3.7	70320
AW2016P	NEMA PANEL, FOR ENCL 20x16	**28.80**	C	1	6.8	79395
AW2020P	NEMA PANEL, FOR ENCL 20x20	**34.78**	C	1	8.0	79400
AW2412P	NEMA PANEL, FOR ENCL 24x12	**30.89**	C	1	4.4	79405
AW2416P	NEMA PANEL, FOR ENCL 24x16	**33.48**	C	1	8.2	70328
Stainless						
AW1612SP	NEMA SS PANEL, FOR ENCL 16x12	**51.98**	C	1	4.6	79386
AW1616SP	NEMA SS PANEL, FOR ENCL 16x16	**60.08**	C	1	5.2	42900
AW2016SP	NEMA SS PANEL, FOR ENCL 20x16	**76.27**	C	1	7.8	79396
AW2020SP	NEMA SS PANEL, FOR ENCL 20x20	**89.03**	C	1	8.0	79401
AW2416SP	NEMA SS PANEL, FOR ENCL 24x16	**89.83**	C	1	8.3	42904
Aluminum						
AW1612AP	NEMA ALUM PANEL, FOR ENCL 16x12	**28.92**	C	1	2.4	70380
AW1616AP	NEMA ALUM PANEL, FOR ENCL 16x16	**35.98**	C	1	2.0	70384
AW2016AP	NEMA ALUM PANEL, FOR ENCL 20x16	**43.07**	C	1	2.5	70322
AW2020AP	NEMA ALUM PANEL, FOR ENCL 20x20	**52.32**	C	1	4.0	70324
AW2416AP	NEMA ALUM PANEL, FOR ENCL 24x16	**65.89**	C	1	3.0	70326

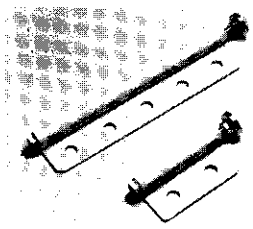
NEMA FLANGED PANELS

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Steel						
AW2420P	NEMA PANEL, FOR ENCL 24x20	**45.05**	C	1	12.0	79410
AW2424P	NEMA PANEL, FOR ENCL 24x24	**51.75**	C	1	13.0	79415
AW3016P	NEMA PANEL, FOR ENCL 30x16	**44.64**	C	1	11.6	70334
AW3020P	NEMA PANEL, FOR ENCL 30x20	**54.09**	C	1	16.0	79420
AW3024P	NEMA PANEL, FOR ENCL 30x24	**62.74**	C	1	19.0	79425
AW3030P	NEMA PANEL, FOR ENCL 30x30	**88.08**	C	1	23.0	70340
AW3624P	NEMA PANEL, FOR ENCL 36x24	**75.07**	C	1	22.0	79430
AW3630P	NEMA PANEL, FOR ENCL 36x30	**99.86**	C	1	26.5	79435
AW3636P	NEMA PANEL, FOR ENCL 36x36	**117.03**	C	1	32.0	79441
AW4224P	NEMA PANEL, FOR ENCL 42x24	**86.09**	C	1	26.0	79440
AW4230P	NEMA PANEL, FOR ENCL 42x30	**114.22**	C	1	31.0	79445
AW4236P	NEMA PANEL, FOR ENCL 42x36	**134.55**	C	1	37.3	79450
AW4242P	NEMA PANEL, FOR ENCL 42x42	**155.21**	C	1	44.0	79453
AW4824P	NEMA PANEL, FOR ENCL 48x24	**97.25**	C	1	28.1	79455
AW4830P	NEMA PANEL, FOR ENCL 48x30	**128.17**	C	1	36.0	79460
AW4836P	NEMA PANEL, FOR ENCL 48x36	**152.01**	C	1	50.0	79465
AW4842P	NEMA PANEL, FOR ENCL 48x42	**175.85**	C	1	50.0	79461
AW4848P	NEMA PANEL, FOR ENCL 48x48	**210.54**	C	1	58.0	79456
AW6030P	NEMA PANEL, FOR ENCL 60x30	**157.26**	C	1	44.4	79472
AW6036P	NEMA PANEL, FOR ENCL 60x36	**187.01**	C	1	54.0	79475
AW6042P	NEMA PANEL, FOR ENCL 60x42	**221.73**	C	1	63.0	79476
AW7230P	NEMA PANEL, FOR ENCL 72x30	**180.46**	C	1	53.3	79490
AW7236P	NEMA PANEL, FOR ENCL 72x36	**221.89**	C	1	64.4	79491
Stainless						
AW2420SP	NEMA SS PANEL, FOR ENCL 24x20	**113.54**	C	1	12.0	79411
AW2424SP	NEMA SS PANEL, FOR ENCL 24x24	**134.63**	C	1	16.0	79416
AW3016SP	NEMA SS PANEL, FOR ENCL 30x16	**145.24**	C	1	13.5	70335
AW3020SP	NEMA SS PANEL, FOR ENCL 30x20	**151.73**	C	1	16.0	79421
AW3024SP	NEMA SS PANEL, FOR ENCL 30x24	**159.83**	C	1	19.0	79426
AW3030SP	NEMA SS PANEL, FOR ENCL 30x30	**200.64**	C	1	25.7	70341
AW3624SP	NEMA SS PANEL, FOR ENCL 36x24	**191.29**	C	1	24.6	70339
AW3630SP	NEMA SS PANEL, FOR ENCL 36x30	**251.37**	C	1	30.9	79436
AW4230SP	NEMA SS PANEL, FOR ENCL 42x30	**283.86**	C	1	38.0	79446
AW4236SP	NEMA SS PANEL, FOR ENCL 42x36	**337.78**	C	1	42.0	32522
AW4830SP	NEMA SS PANEL, FOR ENCL 48x30	**320.80**	C	1	41.4	42906
AW4836SP	NEMA SS PANEL, FOR ENCL 48x36	**383.95**	C	1	50.0	79466
AW4842SP	NEMA SS PANEL, FOR ENCL 48x42	**427.04**	C	1	57.0	79463
AW6036SP	NEMA SS PANEL, FOR ENCL 60x36	**501.60**	C	1	62.7	42908
Aluminum						
AW2420AP	NEMA ALUM PANEL, FOR ENCL 24x20	**85.99**	C	1	5.0	70330
AW2424AP	NEMA ALUM PANEL, FOR ENCL 24x24	**113.54**	C	1	6.0	70332
AW3016AP	NEMA ALUM PANEL, FOR ENCL 30x16	**87.78**	C	1	5.9	70337
AW3020AP	NEMA ALUM PANEL, FOR ENCL 30x20	**115.14**	C	1	7.3	70336
AW3024AP	NEMA ALUM PANEL, FOR ENCL 30x24	**120.68**	C	1	7.0	79422
AW3030AP	NEMA ALUM PANEL, FOR ENCL 30x30	**172.71**	C	1	10.7	70338
AW3624AP	NEMA ALUM PANEL, FOR ENCL 36x24	**141.45**	C	1	10.3	70342
AW3630AP	NEMA ALUM PANEL, FOR ENCL 36x30	**174.10**	C	1	11.0	70344
AW4230AP	NEMA ALUM PANEL, FOR ENCL 42x30	**227.20**	C	1	14.8	70346
AW4236AP	NEMA ALUM PANEL, FOR ENCL 42x36	**272.57**	C	1	17.7	70348
AW4836AP	NEMA ALUM PANEL, FOR ENCL 48x36	**272.18**	C	1	20.2	70352
AW4842AP	NEMA ALUM PANEL, FOR ENCL 48x42	**346.22**	C	1	23.6	79462
AW6036AP	NEMA ALUM PANEL, FOR ENCL 60x36	**337.63**	C	1	24.0	70354

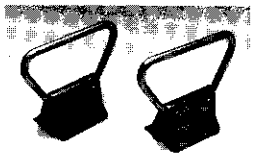
CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
LARGE NEMA FLANGED PANELS						
Steel						
AW5442P	NEMA PANEL, FOR ENCL 54x42	**188.13**	C	1	77.5	79470
AW6048P	NEMA PANEL, FOR ENCL 60x48	**255.53**	C	1	100.0	79480
AW6060P	NEMA PANEL, FOR ENCL 60x60	**315.39**	C	1	126.0	79485
AW7260P	NEMA PANEL, FOR ENCL 72x60	**375.58**	C	1	152.0	79495
AW7272P	NEMA PANEL, FOR ENCL 72x72	**448.64**	C	1	183.0	79500
Stainless						
AW6048SP	NEMA SS PANEL, FOR ENCL 60x48	**670.43**	C	1	104.5	42910
AW6060SP	NEMA SS PANEL, FOR ENCL 60x60	**839.38**	C	1	130.5	42912
AW7260SP	NEMA SS PANEL, FOR ENCL 72x60	**1007.08**	C	1	158.0	42914
AW7272SP	NEMA SS PANEL, FOR ENCL 72x72	**1208.86**	C	1	190.4	42916
Aluminum						
AW6048AP	NEMA ALUM PANEL, FOR ENCL 60x48	**519.73**	C	1	32.3	70356
AW6060AP	NEMA ALUM PANEL, FOR ENCL 60x60	**649.34**	C	1	41.0	70358
AW7260AP	NEMA ALUM PANEL, FOR ENCL 72x60	**779.42**	C	1	49.2	79486
AW7272AP	NEMA ALUM PANEL, FOR ENCL 72x72	**935.37**	C	1	59.0	70366
JIC & NEMA SWING PANEL KITS						
JIC Swing Panel Kits						
JICSPK	JIC SWING PANEL KIT	**32.63**	C	1	2.5	47696
NEMA Swing Panel Kits						
NSPK	NEMA SWING PANEL KIT	**44.16**	C	1	3.0	48288
WOOD BACK BOARDS						
NEMA Swing Panel Kits						
88 WB	WOOD BACK BOARD 8x8	**16.38**	A	1	0.5	10985
812 WB	WOOD BACK BOARD 12x8	**18.27**	A	1	0.8	81202
1010 WB	WOOD BACK BOARD 10x10	**20.27**	A	1	0.8	10986
1012 WB	WOOD BACK BOARD 12x10	**21.21**	A	1	1.0	11013
1212 WB	WOOD BACK BOARD 12x12	**23.42**	A	1	1.5	12120
1216 WB	WOOD BACK BOARD 16x12	**27.41**	A	1	2.0	12125
1218 WB	WOOD BACK BOARD 18x12	**27.41**	A	1	2.0	12182
1224 WB	WOOD BACK BOARD 24x12	**27.41**	A	1	2.8	12241
1518 WB	WOOD BACK BOARD 18x15	**27.41**	A	1	2.8	12245
1530 WB	WOOD BACK BOARD 30x15	**40.74**	A	1	5.0	12255
1818 WB	WOOD BACK BOARD 18x18	**40.74**	A	1	3.5	18260
1824 WB	WOOD BACK BOARD 24x18	**40.74**	A	1	4.0	18240
1830 WB	WOOD BACK BOARD 30x18	**54.29**	A	1	6.3	18265
2424 WB	WOOD BACK BOARD 24x24	**54.29**	A	1	6.8	24310
2430 WB	WOOD BACK BOARD 30x24	**67.31**	A	1	8.5	24300
2436 WB	WOOD BACK BOARD 36x24	**89.57**	A	1	10.3	24360
2448 WB	WOOD BACK BOARD 48x24	**109.83**	A	1	14.0	24315
3030 WB	WOOD BACK BOARD 30x30	**100.17**	A	1	10.8	31652
3036 WB	WOOD BACK BOARD 36x30	**109.83**	A	1	13.3	30360
3636 WB	WOOD BACK BOARD 36x36	**143.54**	A	1	16.0	11065
3648 WB	WOOD BACK BOARD 48x36	**195.51**	A	1	21.5	36480
4848 WB	WOOD BACK BOARD 48x48	**216.72**	A	1	29.3	11060



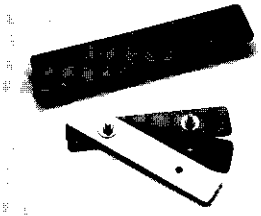
CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
PANEL SUPPORT KITS	**Panel Support Kits**					
PS3	PANEL SUPPORT KIT - 3"	**34.50**	C	1	1.0	32658
PS9	PANEL SUPPORT KIT - 9"	**43.93**	C	1	2.0	32660



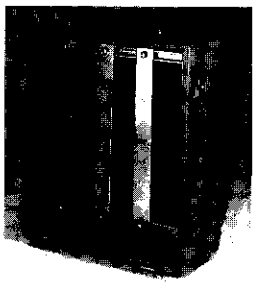
LIFTING HOOKS	**Panel Lifting Hooks**					
PLH	PANEL LIFTING HOOKS	**24.83**	C	1	1.5	48295



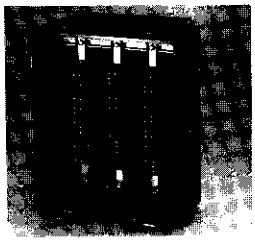
BLANK ADAPTER PLATE KITS	**Blank Adapter Plates**					
7.5BAP	BLANK ADAPTER PLATE	**48.25**	C	1	0.8	75200
10.5BAP	BLANK ADAPTER PLATE	**52.83**	C	1	1.5	75210

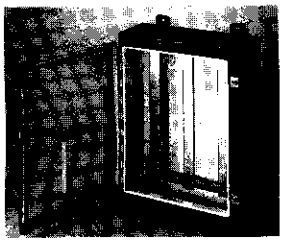


JIC TERMINAL STRAP KITS	**Terminal Strap Kit**					
86TS	JIC TERMINAL STRAP KIT	**19.90**	C	1	2.0	31780
108TS	JIC TERMINAL STRAP KIT	**24.00**	C	1	2.5	31720
1210TS	JIC TERMINAL STRAP KIT	**27.39**	C	1	4.5	31735
1212TS	JIC TERMINAL STRAP KIT	**30.68**	C	1	5.5	03099
1412TS	JIC TERMINAL STRAP KIT	**28.57**	C	1	5.5	31750
1614TS	JIC TERMINAL STRAP KIT	**32.96**	C	1	7.0	31765
	Extra Strap Kit					
8TS	JIC EXTRA STRAP KIT	**7.70**	C	1	0.3	31785
10TS	JIC EXTRA STRAP KIT	**7.70**	C	1	0.3	31725
12TS	JIC EXTRA STRAP KIT	**7.70**	C	1	0.5	31740
14TS	JIC EXTRA STRAP KIT	**7.70**	C	1	1.0	31755
16TS	JIC EXTRA STRAP KIT	**7.70**	C	1	1.3	31770

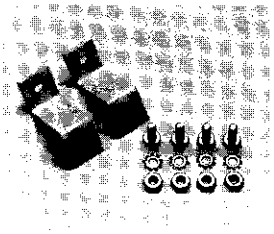


CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
JIC TERMINAL BLOCK STRIP KITS						
	Terminal Block Strip Kit					
86TB	JIC TERMINAL BLOCK STRIP KIT	**155.70**	C	1	4.5	31775
108TB	JIC TERMINAL BLOCK STRIP KIT	**91.84**	C	1	5.5	31715
1210TB	JIC TERMINAL BLOCK STRIP KIT	**266.85**	C	1	7.5	31730
1412TB	JIC TERMINAL BLOCK STRIP KIT	**298.35**	C	1	10.0	31745
1614TB	JIC TERMINAL BLOCK STRIP KIT	**393.30**	C	1	15.0	31760
	Extra Strip Kit					
8TB	JIC EXTRA STRIP KIT	**57.58**	C	1	1.0	31738
10TB	JIC EXTRA STRIP KIT	**67.91**	C	1	1.0	31718
12TB	JIC EXTRA STRIP KIT	**76.29**	C	1	1.0	31723
14TB	JIC EXTRA STRIP KIT	**86.52**	C	1	1.0	31728
16TB	JIC EXTRA STRIP KIT	**95.72**	C	1	1.0	31733
NEMA TERMINAL STRAP KITS						
	Terminal Strap Kit					
16TS12	NEMA TERMINAL STRAP KIT	**51.36**	C	1	3.0	31795
20TS16	NEMA TERMINAL STRAP KIT	**72.47**	C	1	4.5	31805
20TS20	NEMA TERMINAL STRAP KIT	**84.55**	C	1	5.0	31810
24TS20	NEMA TERMINAL STRAP KIT	**97.11**	C	1	6.5	31820
24TS24	NEMA TERMINAL STRAP KIT	**119.73**	C	1	6.5	31825
30TS20	NEMA TERMINAL STRAP KIT	**102.48**	C	1	8.0	30125
30TS24	NEMA TERMINAL STRAP KIT	**126.51**	C	1	10.0	31835
36TS24	NEMA TERMINAL STRAP KIT	**148.35**	C	1	14.5	31845
36TS30	NEMA TERMINAL STRAP KIT	**163.11**	C	1	20.5	31850
42TS30	NEMA TERMINAL STRAP KIT	**192.03**	C	1	24.0	31860
48TS36	NEMA TERMINAL STRAP KIT	**222.28**	C	1	30.5	31870
60TS36	NEMA TERMINAL STRAP KIT	**276.45**	C	1	40.0	31880
	Extra Strap Kit					
16S	NEMA EXTRA STRAP KIT	**11.05**	C	1	0.8	31790
20S	NEMA EXTRA STRAP KIT	**12.79**	C	1	1.0	31800
24S	NEMA EXTRA STRAP KIT	**14.50**	C	1	1.3	31815
30S	NEMA EXTRA STRAP KIT	**17.25**	C	1	2.0	31830
36S	NEMA EXTRA STRAP KIT	**19.82**	C	1	2.8	31840
42S	NEMA EXTRA STRAP KIT	**22.52**	C	1	3.5	31855
48S	NEMA EXTRA STRAP KIT	**25.14**	C	1	4.3	31865
60S	NEMA EXTRA STRAP KIT	**30.32**	C	1	5.8	31875
CHANNEL MOUNTED TERMINAL BLOCKS						
CTB3005	MED-DUTY CHANNEL MTG TERMINAL	**17.60**	C	1	0.5	46434
CTE3001	MED-DUTY CHANNEL MTG END	**1.87**	C	1	0.5	46438
CT6005	HEAVY-DUTY CHANNEL MTG TERMINAL	**35.75**	C	1	0.5	46432
CE6001	HEAVY-DUTY CHANNEL MTG END	**5.06**	C	1	0.5	46430
CTC2	CHANNEL MTG TERMINAL CLAMP	**3.08**	C	1	0.5	46436
25012 A	CHANNEL STRIP	**24.53**	C	1	1.4	32434
FLAT BASE TERMINAL BLOCKS						
FTB3005	MED-DUTY FLAT BASE TERMINAL	**15.00**	C	1	0.1	47662
FTE3001	MED-DUTY FLAT END	**1.95**	C	1	0.1	47664
FT6005	HEAVY-DUTY FLAT BASE TERMINAL	**50.10**	C	1	0.5	47660
FE6001	HEAVY-DUTY FLAT END	**4.05**	C	1	0.5	47600



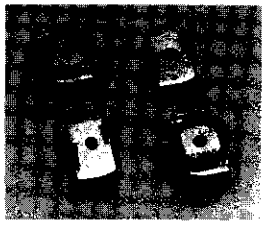


CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TERMINAL STRAP SUPPORT	**Terminal Strap Support**					
TSK	TERMINAL STRAP SUPPORT KIT	**11.71**	C	1	0.2	48582

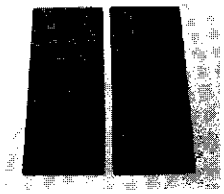


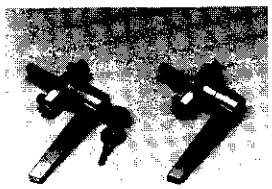
SEALING DEVICE KITS	**Sealing Device Kits**					
SEALS	WIRE SEAL SCREW	**4.42**	C	1	0.1	48558
SEALWN	WIRE SEAL WING NUT	**4.42**	C	1	0.1	48560
SEALC	WIRE SEAL CLIP	**4.42**	C	1	0.1	48556

CLAMPING NUTS	**Clamping Nuts**					
TN228-20	LARGE, .375-16 CLAMPING NUT PKG	**35.54**	C	1	1.0	32664
N624-20	SMALL, .25-.20 CLAMPING NUT PKG	**38.37**	C	1	1.0	32654
N627-20	SMALL, .10-.32 CLAMPING NUT PKG	**38.88**	C	1	0.3	32656

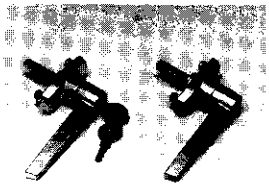


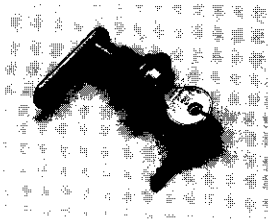
CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
FLOOR STAND KITS						
	Steel Floor Stand Kits					
MFK8	MTG LEG KIT 8" DEEP	**125.11**	C	1	29.0	37692
MFK10	MTG LEG KIT 10" DEEP	**134.59**	C	1	32.0	37678
MFK12	MTG LEG KIT 12" DEEP	**144.12**	C	1	35.0	37682
MFK16	MTG LEG KIT 16" DEEP	**163.00**	C	1	40.0	37672
MFK20	MTG LEG KIT 20" DEEP	**181.83**	C	1	46.0	37674
MFK24	MTG LEG KIT 24" DEEP	**217.13**	C	1	52.0	37676
	Stainless Steel Floor Stand Kits					
MFK8XS	MTG LEG KIT SS 8" DEEP	**355.72**	C	1	30.0	37694
MFK10XS	MTG LEG KIT SS 10" DEEP	**382.68**	C	1	33.0	37680
MFK12XS	MTG LEG KIT SS 12" DEEP	**409.66**	C	1	36.0	37684
MFK16XS	MTG LEG KIT SS 16" DEEP	**463.39**	C	1	41.0	37686
MFK20XS	MTG LEG KIT SS 20" DEEP	**558.38**	C	1	47.0	37688
MFK24XS	MTG LEG KIT SS 24" DEEP	**584.63**	C	1	53.0	37690
ENCLOSURE STABILIZER KITS						
	Enclosure Stabilizer Kits					
ES2	ENCLOSURE STABILIZER	**117.80**	C	1	28.1	46466
TYPE 12 DOOR HANDLE KITS						
	Type 12 Door Handle					
25228 A	TYPE 12 HANDLE CCW LOCK KIT	**34.23**	C	1	1.0	25228
25228 B	TYPE 12 HANDLE CCW LATCH	**30.21**	C	1	1.0	24125
25228 C	TYPE 12 HANDLE CW LOCK	**34.23**	C	1	1.0	24146
25228 D	TYPE 12 HANDLE CW LATCH	**30.21**	C	1	1.0	24166
	Type 12 Door Handle Kits					
25228 A20	TYPE 12 HANDLE CCW KIT 20"	**67.63**	C	1	2.0	24105
25228 A24	TYPE 12 HANDLE CCW KIT 24"	**67.63**	C	1	2.0	24108
25228 A30	TYPE 12 HANDLE CCW KIT 30"	**67.63**	C	1	2.0	31445
25228 A36	TYPE 12 HANDLE CCW KIT 36"	**85.50**	C	1	3.0	24110
25228 A42	TYPE 12 HANDLE CCW KIT 42"	**85.50**	C	1	3.5	24115
25228 A48	TYPE 12 HANDLE CCW KIT 48"	**85.50**	C	1	3.5	31450
25228 A60	TYPE 12 HANDLE CCW KIT 60"	**88.25**	C	1	4.0	24120
25228 A72	TYPE 12 HANDLE CCW KIT 72"	**88.25**	C	1	7.0	31455
25228 B20	TYPE 12 HANDLE CCW KIT 20"	**63.38**	C	1	2.0	24130
25228 B24	TYPE 12 HANDLE CCW KIT 24"	**63.38**	C	1	2.0	24132
25228 B30	TYPE 12 HANDLE CCW KIT 30"	**63.38**	C	1	2.0	24134
25228 B36	TYPE 12 HANDLE CCW KIT 36"	**82.75**	C	1	3.0	24136
25228 B42	TYPE 12 HANDLE CCW KIT 42"	**82.75**	C	1	3.5	24138
25228 B48	TYPE 12 HANDLE CCW KIT 48"	**82.75**	C	1	4.0	24140
25228 B60	TYPE 12 HANDLE CCW KIT 60"	**85.50**	C	1	4.0	24142
25228 B72	TYPE 12 HANDLE CCW KIT 72"	**85.50**	C	1	7.0	24144

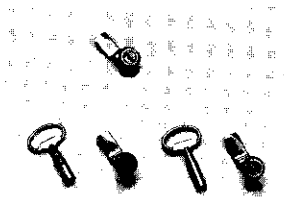


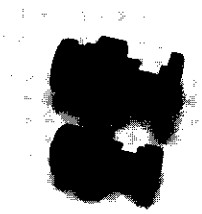


CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
TYPE 12 DOOR HANDLE KITS (cont.)	**Type 12 Door Handle Kits - cont.**					
25228 C20	TYPE 12 HANDLE CW KIT 20"	**67.63**	C	1	1.0	24150
25228 C24	TYPE 12 HANDLE CW KIT 24"	**67.63**	C	1	2.0	24152
25228 C30	TYPE 12 HANDLE CW KIT 30"	**67.63**	C	1	2.0	24154
25228 C36	TYPE 12 HANDLE CW KIT 36"	**85.50**	C	1	3.0	24156
25228 C42	TYPE 12 HANDLE CW KIT 42"	**85.50**	C	1	3.5	24158
25228 C48	TYPE 12 HANDLE CW KIT 48"	**85.50**	C	1	3.5	24160
25228 C60	TYPE 12 HANDLE CW KIT 60"	**88.25**	C	1	4.0	24162
25228 C72	TYPE 12 HANDLE CW KIT 72"	**88.25**	C	1	7.0	24164
25228 D20	TYPE 12 HANDLE CW KIT 20"	**63.38**	C	1	1.0	24168
25228 D24	TYPE 12 HANDLE CW KIT 24"	**63.38**	C	1	2.0	24170
25228 D30	TYPE 12 HANDLE CW KIT 30"	**63.38**	C	1	2.0	24172
25228 D36	TYPE 12 HANDLE CW KIT 36"	**82.75**	C	1	3.0	24174
25228 D42	TYPE 12 HANDLE CW KIT 42"	**82.75**	C	1	3.5	24176
25228 D48	TYPE 12 HANDLE CW KIT 48"	**82.75**	C	1	3.5	24178
25228 D60	TYPE 12 HANDLE CW KIT 60"	**85.50**	C	1	4.0	24180
25228 D72	TYPE 12 HANDLE CW KIT 72"	**85.50**	C	1	7.0	24182
NEMA 4 & 12 DOOR LOCKS	**NEMA 4 & 12 Flush Lock**					
25351 A	NEMA 4/12 FLUSH LOCK	**19.82**	C	1	1.0	24214
	NEMA 12 Padlock Handle Kits					
25345 A20	20" NEMA 12 PADLOCK HANDLE KIT	**102.00**	C	1	1.0	24196
25345 A24	24" NEMA 12 PADLOCK HANDLE KIT	**102.00**	C	1	1.0	24198
25345 A30	30" NEMA 12 PADLOCK HANDLE KIT	**102.00**	C	1	2.0	24200
25345 A36	36" NEMA 12 PADLOCK HANDLE KIT	**119.88**	C	1	2.5	24202
25345 A42	42" NEMA 12 PADLOCK HANDLE KIT	**119.88**	C	1	3.0	24204
25345 A48	48" NEMA 12 PADLOCK HANDLE KIT	**119.88**	C	1	3.0	24206
25345 A60	60" NEMA 12 PADLOCK HANDLE KIT	**122.63**	C	1	3.5	24208
25345 A72	72" NEMA 12 PADLOCK HANDLE KIT	**122.63**	C	1	6.0	24210
TYPE 4 & 12 LATCH KITS & PUNCHES	**Latch Kits**					
25270 A	SLOTTED FLUSH LATCH	**15.21**	C	1	1.0	24186
25278 A	TRIANGLE FLUSH LATCH KEY	**7.80**	C	1	0.5	24190
25277 A	TRIANGLE FLUSH LATCH	**19.62**	C	1	1.0	24188
25289 A	SQUARE FLUSH LATCH KEY	**7.77**	C	1	0.5	24194
25288 A	SQUARE FLUSH LATCH	**19.62**	C	1	1.0	24192
	Locks & Latch Punches					
LLP-DD1	.769" X .642" PUNCH	**208.87**	C	1	2.0	48204
LLP-DD2	.785" X .790" PUNCH	**372.31**	C	1	2.0	48210



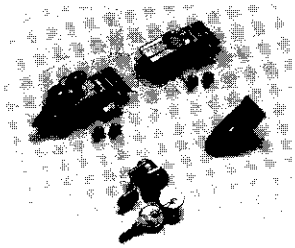






CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051

JIC 4 & 12, TYPE 3R & TYPE 1 DOOR LOCK KITS



JIC 4 & 12 Flush Lock

25352 A	JIC 4/12 FLUSH LOCK	**19.82**	C	1	1.0	24216

Large Type 1 Enclosure Mechanism

25092 F	LARGE TYPE 1 TUMBLER LATCH	**26.52**	C	1	0.5	24100
25092 B	LARGE TYPE 1 TUMBLER LOCK	**36.60**	C	1	0.5	25095

Small Type 1 Enclosure Mechanism

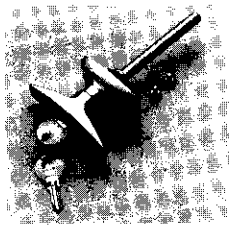
25428 A	SMALL TYPE 1 COIN TURN LATCH	**14.16**	C	1	0.5	31460
25245 A	SMALL TYPE 1 FLUSH LOCK	**19.82**	C	1	1.0	24184

Large Type 1 Enclosure Mechanism*

25428 A	LARGE TYPE 1 COIN TURN LATCH	**14.16**	C	1	0.5	31460
25245 A	LARGE TYPE 1 FLUSH LOCK	**19.82**	C	1	1.0	24184

*** Can be used as replacement for large Type 1 Enclosures up to and including size 24"x24".**

TYPE 1 & TYPE 3R HANDLE KITS

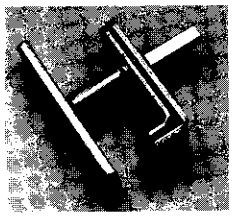


Type 1 Telephone Cab Mechanism

25092 C	TUMBLER LATCH FOR TEL CAB	**31.80**	A	1	0.5	25096
25092 A	TUMBLER LOCK FOR TEL CAB	**40.32**	A	1	0.5	25092

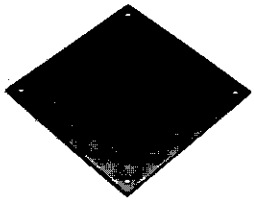
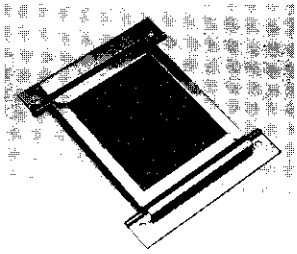
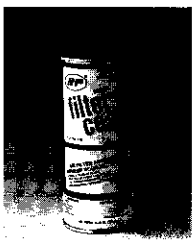
Type 1 & 3R T-Handle Lock

25421 A	"T"-HANDLE LOCK	**44.28**	A	1	0.5	25421



Type 3R Padlock Handle

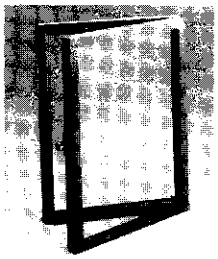
25350 A	TYPE 3R PADLOCK HANDLE	**41.28**	C	1	1.0	24212

	CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
LOUVER PLATE KITS							
	**LPK23**	LOUVER PLATE KIT	**15.35**	C	1	0.5	48212
	LPK33	LOUVER PLATE KIT	**15.84**	C	1	0.5	48214
	LPK34	LOUVER PLATE KIT	**16.06**	C	1	0.5	48216
	LPK43	LOUVER PLATE KIT	**17.17**	C	1	0.5	48218
	LPK44	LOUVER PLATE KIT	**18.31**	C	1	0.5	48220
	LPK64	LOUVER PLATE KIT	**19.97**	C	1	1.0	48222
	LPK66	LOUVER PLATE KiT	**21.84**	C	1	1.0	48224
	LPK84	LOUVER PLATE KIT	**21.19**	C	1	1.0	48228
	LPK86	LOUVER PLATE KIT	**24.04**	C	1	1.5	48230
	LPK88	LOUVER PLATE KIT	**26.82**	C	1	2.0	48232
	LPK812	LOUVER PLATE KIT	**31.71**	C	1	2.5	48226
LOUVER BAFFLE PLATES & FILTER KITS	**Baffle PLates**						
	BP23	BAFFLE PLATE FOR USE W/LPK23	**3.17**	C	1	0.5	42958
	BP33	BAFFLE PLATE FOR USE W/LPK33	**3.29**	C	1	0.5	42960
	BP34	BAFFLE PLATE FOR USE W/LPK34	**3.42**	C	1	0.5	42962
	BP43	BAFFLE PLATE FOR USE W/LPK43	**3.42**	C	1	0.5	42964
	BP44	BAFFLE PLATE FOR USE W/LPK44	**3.66**	C	1	0.5	42966
	BP64	BAFFLE PLATE FOR USE W/LPK64	**3.90**	C	1	1.0	42968
	BP66	BAFFLE PLATE FOR USE W/LPK66	**4.39**	C	1	1.0	42970
	BP84	BAFFLE PLATE FOR USE W/LPK84	**4.27**	C	1	1.0	42974
	BP86	BAFFLE PLATE FOR USE W/LPK86	**4.76**	C	1	1.5	42976
	BP88	BAFFLE PLATE FOR USE W/LPK88	**5.25**	C	1	1.5	42978
	BP812	BAFFLE PLATE FOR USE W/LPK812	**6.22**	C	1	2.5	42972
	**Filters**						
	FLT33	FILTER FOR USE W/LPK33	**20.57**	C	1	0.5	47602
	FLT34	FILTER FOR USE W/LPK34	**20.65**	C	1	0.5	47604
	FLT43	FILTER FOR USE W/LPK43	**20.92**	C	1	0.5	47606
	FLT44	FILTER FOR USE W/LPK44	**21.11**	C	1	0.5	47608
	FLT64	FILTER FOR USE W/LPK64	**22.74**	C	1	0.5	47610
	FLT66	FILTER FOR USE W/LPK66	**23.23**	C	1	0.5	47612
	FLT84	FILTER FOR USE W/LPK84	**26.22**	C	1	0.5	47616
	FLT86	FILTER FOR USE W/LPK86	**26.79**	C	1	0.5	47618
	FLT88	FILTER FOR USE W/LPK88	**27.25**	C	1	0.5	47620
	FLT812	FILTER FOR USE W/LPK812	**27.58**	C	1	0.5	47614
FILTER ADHESIVE & TOUCH-UP PAINT	**Filter Adhesive Spray**						
	FAS-418	FILTER ADHESIVE SPRAY	**15.70**	C	1	1.0	46468
	**Touch-Up Paint**						
	84032	ANSI 49 GRAY TOUCH-UP PAINT	**15.24**	C	1	1.0	25060
	84033	WHITE TOUCH-UP PAINT	**15.52**	C	1	1.0	83010
	84034	ANSI 61 GRAY TOUCH-UP PAINT	**15.52**	C	1	1.0	83012

	CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
ENCLOSURE BARRIER & SHELF KITS	**BK412**	TEL TERM CAB BARRIER/SHELF KIT	**5.16**	C	1	0.5	42930
	BK415	TEL TERM CAB BARRIER/SHELF KIT	**5.52**	C	1	0.5	42932
	BK418	TEL TERM CAB BARRIER/SHELF KIT	**5.76**	C	1	0.5	42934
	BK424	TEL TERM CAB BARRIER/SHELF KIT	**6.60**	C	1	0.5	42936
	BK430	TEL TERM CAB BARRIER/SHELF KIT	**7.32**	C	1	1.0	42938
	BK436	TEL TERM CAB BARRIER/SHELF KIT	**8.04**	C	1	1.0	42940
	BK448	TEL TERM CAB BARRIER/SHELF KIT	**9.48**	C	1	1.0	42942
	BK612	TEL TERM CAB BARRIER/SHELF KIT	**5.76**	C	1	0.5	42944
	BK615	TEL TERM CAB BARRIER/SHELF KIT	**6.36**	C	1	0.5	42946
	BK618	TEL TERM CAB BARRIER/SHELF KIT	**6.84**	C	1	0.5	42948
	BK624	TEL TERM CAB BARRIER/SHELF KIT	**7.80**	C	1	0.5	42950
	BK630	TEL TERM CAB BARRIER/SHELF KIT	**9.00**	C	1	1.0	42952
	BK636	TEL TERM CAB BARRIER/SHELF KIT	**10.08**	C	1	1.0	42954
	BK648	TEL TERM CAB BARRIER/SHELF KIT	**12.24**	C	1	1.0	42956
WINDOW KITS		**Steel Framed Window Kits**					
	PWK53	TYPE 4/12 FRAMED WINDOW KIT	**88.48**	C	1	1.5	48528
	PWK95	TYPE 4/12 FRAMED WINDOW KIT	**106.78**	C	1	2.5	48532
	PWK133	TYPE 4/12 FRAMED WINDOW KIT	**97.05**	C	1	2.0	48500
	PWK138	TYPE 4/12 FRAMED WINDOW KIT	**135.03**	C	1	2.0	48504
	PWK175	TYPE 4/12 FRAMED WINDOW KIT	**121.16**	C	1	3.5	48512
	PWK1711	TYPE 4/12 FRAMED WINDOW KIT	**186.10**	C	1	4.0	48508
	PWK2315	TYPE 4/12 FRAMED WINDOW KIT	**230.04**	C	1	10.0	48516
	PWK2919	TYPE 4/12 FRAMED WINDOW KIT	**341.83**	C	1	15.2	48520
	PWK3523	TYPE 4/12 FRAMED WINDOW KIT	**451.25**	C	1	21.4	48524
		Stainless Steel Framed Window Kits					
	PWK53SS	TYPE 4X SS FRAMED WINDOW KIT	**134.67**	C	1	1.5	48530
	PWK95SS	TYPE 4X SS FRAMED WINDOW KIT	**162.43**	C	1	2.5	48534
	PWK133SS	TYPE 4X SS FRAMED WINDOW KIT	**148.88**	C	1	3.0	48502
	PWK138SS	TYPE 4X SS FRAMED WINDOW KIT	**205.54**	C	1	2.0	48506
	PWK175SS	TYPE 4X SS FRAMED WINDOW KIT	**179.13**	C	1	3.5	48514
	PWK1711SS	TYPE 4X SS FRAMED WINDOW KIT	**271.45**	C	1	6.0	48510
	PWK2315SS	TYPE 4X SS FRAMED WINDOW KIT	**350.08**	C	1	10.0	48518
	PWK2919SS	TYPE 4X SS FRAMED WINDOW KIT	**520.16**	C	1	15.2	48522
	PWK3523SS	TYPE 4X SS FRAMED WINDOW KIT	**526.50**	C	1	21.4	48526
		Frameless Window Kits					
	FLWK52	TYPE 4/12 FRAMELESS WINDOW KIT	**36.47**	C	1	0.5	47652
	FLWK96	TYPE 4/12 FRAMELESS WINDOW KIT	**50.55**	C	1	1.0	47654
	FLWK133	TYPE 4/12 FRAMELESS WINDOW KIT	**45.67**	C	1	1.0	47650

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051

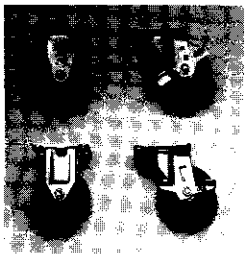
HINGED WINDOW KITS



Framed Window Kits

HWK1212	TYPE 12 HINGED WINDOW KIT	**246.38**	C	1	5.0	47680
HWK1612	TYPE 12 HINGED WINDOW KIT	**259.47**	C	1	7.0	47682
HWK2016	TYPE 12 HINGED WINDOW KIT	**294.42**	C	1	12.5	47684
HWK2020	TYPE 12 HINGED WINDOW KIT	**316.31**	C	1	16.0	47686
HWK2420	TYPE 12 HINGED WINDOW KIT	**338.16**	C	1	19.6	47688
HWK3024	TYPE 12 HINGED WINDOW KIT	**403.71**	C	1	30.0	47690

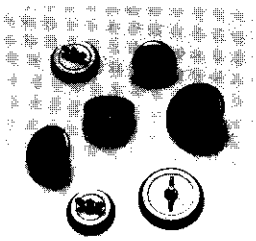
CASTERS



Casters for Series AW-9 and AW-14 Consoles

4700-CC	CASTERS SET	**72.57**	C	1	13.0	46272
4700-CC2	CASTERS SET	**75.67**	C	1	15.0	46274

HOLE SEALS



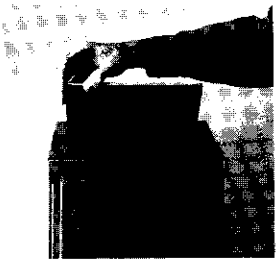
Steel Oil Tight Hole Seals

SPBG	MINI PB OIL-TIGHT HOLE SEAL	**4.00**	C	1	0.2	44202
SPB	STANDARD PB OIL-TIGHT HOLE SEAL	**5.79**	C	1	0.2	44200
S050	.50" OIL-TIGHT HOLE SEAL	**4.24**	C	1	0.2	44205
S075	.75" OIL-TIGHT HOLE SEAL	**5.37**	C	1	0.2	44210
S100	1.00" OIL-TIGHT HOLE SEAL	**7.44**	C	1	0.2	44215
S125	1.25" OIL-TIGHT HOLE SEAL	**8.30**	C	1	0.2	44220
S150	1.50" OIL-TIGHT HOLE SEAL	**9.45**	C	1	0.3	44225
S200	2.00" OIL-TIGHT HOLE SEAL	**10.42**	C	1	0.4	44230
S250	2.50" OIL-TIGHT HOLE SEAL	**13.31**	C	1	0.5	48550
S300	3.00" OIL-TIGHT HOLE SEAL	**17.58**	C	1	0.6	48552
S350	3.50" OIL-TIGHT HOLE SEAL	**22.82**	C	1	0.8	48554
S400	4.00" OIL-TIGHT HOLE SEAL	**29.30**	C	1	0.9	48553

Stainless Steel Oil Tight Hole Seals

SPBGSS	MINI SS PB OIL-TIGHT HOLE SEAL	**11.13**	C	1	0.2	48578
SPBSS	STANDARD SS PB OIL-TIGHT HOLE SEAL	**15.47**	C	1	0.2	32662
S050SS	.50" SS OIL-TIGHT HOLE SEAL	**11.00**	C	1	0.2	48572
S075SS	.75" SS OIL-TIGHT HOLE SEAL	**14.02**	C	1	0.2	48576
S100SS	1.00" SS OIL-TIGHT HOLE SEAL	**18.84**	C	1	0.2	48562
S125SS	1.25" SS OIL-TIGHT HOLE SEAL	**21.67**	C	1	0.2	48564
S150SS	1.50" SS OIL-TIGHT HOLE SEAL	**24.38**	C	1	0.3	48566
S200SS	2.00" SS OIL-TIGHT HOLE SEAL	**27.04**	C	1	0.4	48568
S300SS	3.00" SS OIL-TIGHT HOLE SEAL	**47.88**	C	1	0.6	45305

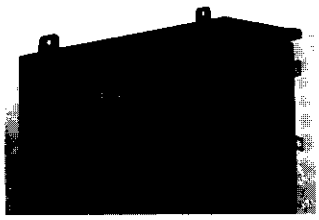
CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
GLAND PLATES						
GP610	TYPE 12 GLAND PLATE	**61.63**	C	1	1.3	47668
GP618	TYPE 12 GLAND PLATE	**74.38**	C	1	2.0	47670



DRIP SHIELD KITS

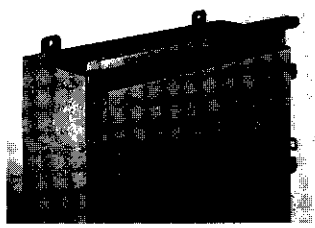
NEMA 12 Drip Shield Kits

DK12A	DRIP SHIELD KIT-12"	**33.61**	C	1	0.8	46440
DK16A	DRIP SHIELD KIT-16"	**36.84**	C	1	1.0	46444
DK20A	DRIP SHIELD KIT-20"	**40.08**	C	1	3.0	46448
DK24A	DRIP SHIELD KIT-24"	**43.21**	C	1	1.5	46452
DK30A	DRIP SHIELD KIT-30"	**48.08**	C	1	1.9	46456
DK36A	DRIP SHIELD KIT-36"	**52.83**	C	1	2.3	46460



NEMA 4X Drip Shield Kits

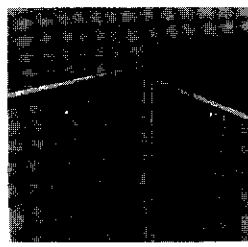
DK12SS	DRIP SHIELD KIT,STAINLESS - 12"	**67.81**	C	1	1.2	46442
DK16SS	DRIP SHIELD KIT,STAINLESS - 16"	**74.21**	C	1	1.6	46446
DK20SS	DRIP SHIELD KIT,STAINLESS - 20"	**80.72**	C	1	2.0	46450
DK24SS	DRIP SHIELD KIT,STAINLESS - 24"	**87.17**	C	1	2.3	46454
DK30SS	DRIP SHIELD KIT,STAINLESS - 30"	**96.88**	C	1	2.9	46458
DK36SS	DRIP SHIELD KIT,STAINLESS - 36"	**106.47**	C	1	3.5	46462



DOOR STOP & FOLDING SHELF KITS

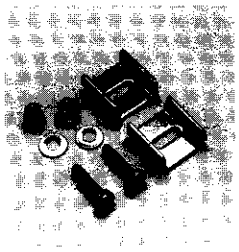
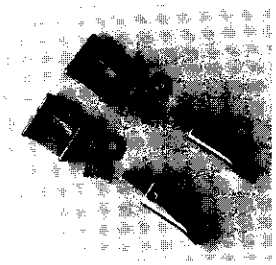
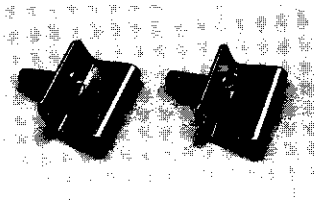
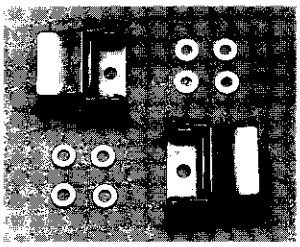
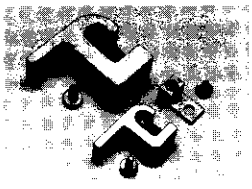
Door Stop Kit

DSTOPK	DOOR STOP KIT	**60.03**	C	1	0.8	46464

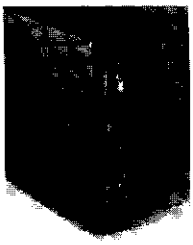


Folding Shelf Kit

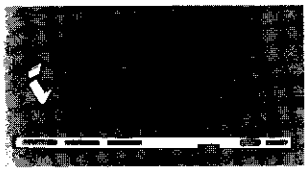
FSHELF12	FOLDING SHELF KIT-12"	**144.68**	C	1	11.0	47656
FSHELF18	FOLDING SHELF KIT-18"	**180.92**	C	1	16.0	47658

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
NEMA DOOR CLAMP KITS						
	Type 12 Door Clamp Kit					
N12CK2	NEMA 12 DOOR CLAMP KIT	**2.38**	C	1	2.0	31015
	**Type 4 & 4X Door Clamp Kit**					
N4XCK2	NEMA 4/4X DOOR CLAMP KIT	**4.25**	C	1	2.0	31020
	**NEMA Fast-Access Clamp Kit**					
FC412SS	NEMA FAST-ACCESS CLAMP KIT	**21.61**	C	1	1.0	32526
JIC COVER CLAMP KITS						
	JIC 12 Cover Clamp Kit					
J12CK2	JIC 12 COVER CLAMP KIT	**2.13**	C	1	0.5	31025
	**JIC 4 & 4X Cover Clamp Kit**					
J4XCK2	JIC 4/4X COVER CLAMP KIT	**3.00**	C	1	1.0	31030
	**JIC Fast Access Clamp Kit**					
L23	JIC FAST-ACCESS CLAMP KIT	**6.23**	C	1	0.5	48200
L23SS	JIC SS FAST-ACCESS CLAMP KIT	**14.08**	C	1	0.5	48202
GROUND LUG KITS, GROUNDING DEVICES						
	Ground Lug Kits					
10184 A	BAGGED GROUND LUG KIT	**1.50**	C	10	0.5	23710
10184 B	BAGGED GROUND LUG KIT	**3.75**	C	10	0.5	23720
10184 C	BAGGED GROUND LUG KIT	**3.63**	C	10	1.0	23730
	**Grounding Device**					
GLK2	GROUNDING KIT	**5.60**	C	1	0.3	47666
GS88	GROUNDING STRAP	**16.43**	C	1	2.0	47678
GS816	GROUNDING STRAP	**18.14**	C	1	2.0	47676
GS48	GROUNDING STRAP	**23.43**	C	1	2.0	47674
GS416	GROUNDING STRAP	**27.56**	C	1	1.0	47672

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
JIC PADLOCK KIT	**JIC Padlock Kit**					
PLKJIC	JIC PADLOCK KIT	**7.30**	C	1	1.0	48297

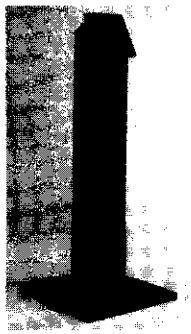


OPERATOR ADAPTER KITS, HARDWARE PACKAGES



Operator Adapter Kits						
AP-ABFD	ALLEN-BRADLEY 1494F & 1494D	**88.20**	C	1	10.0	00391
AP-ABV	ALLEN-BRADLEY 1494V	**88.20**	C	1	5.0	00382
AP-CH	CUTTER-HAMMER C361, C371	**88.20**	C	1	5.0	07784
AP-GE	GENERAL ELECTRIC STDA	**88.20**	C	1	5.0	02672
AP-ITE	I-T-E, MAX-FLEX	**88.20**	C	1	10.0	02149
AP-SD	SQUARE D CLASS 9422	**88.20**	C	1	7.0	03241
AP-WSM	WESTINGHOUSE SM	**88.20**	C	1	7.0	03437
AP-WAMT	WESTINGHOUSE AMT & FLEX SHAFT	**88.20**	C	1	8.0	03296
Hardware Packages						
10169	HARDWARE, #10-32 SCREW	**1.50**	C	1	0.1	32402
10240 A	HARDWARE, #10-32 SS NUT & WASHER	**1.50**	C	1	0.3	10241
10242 A	HARDWARE, .375-16 SS FLANGE NUT	**2.00**	C	1	0.5	10242
10242 B	HARDWARE, .375-16 SS FLANGE NUT	**3.00**	C	1	0.5	10244
10242 C	HARDWARE, .375-16 SS FLANGE NUT	**3.75**	C	1	0.5	10245
10242 D	HARDWARE, .375-16 SS FLANGE NUT	**4.88**	C	1	0.5	10246
10243 A	HARDWARE, .375-16 FLANGE NUT	**1.50**	C	1	0.5	10247
10243 B	HARDWARE, .375-16 FLANGE NUT	**1.88**	C	1	0.5	10248
10243 C	HARDWARE, .375-16 FLANGE NUT	**2.38**	C	1	0.5	10249
10243 D	HARDWARE, .375-16 FLANGE NUT	**2.88**	C	1	0.5	10251
10108 A	HARDWARE, FORMED HINGE & SCREW	**1.50**	C	1	0.1	22462
10118 A	HARDWARE, #10-32 GASKETED SCREW	**2.50**	C	1	0.3	22466
10119 A	HARDWARE, #10-32 RETAINING SCREW	**3.75**	C	1	0.3	22468
10129 A	HARDWARE, OVAL HEAD SCREW	**3.50**	C	1	0.3	10129
10190 A	HARDWARE, CHAIN & CLIP	**2.13**	C	1	0.5	10192
10166 A	HARDWARE, #10-32 x .50 SCREW	**1.50**	C	1	0.3	10166
10167 A	HARDWARE, #10-32 x .50 SS SCREW	**1.50**	C	1	0.3	10167

COLUMNS & BASES



Columns						
AC-44COL	PEDESTAL POST 4x4	**191.88**	C	1	16.0	41028
AC-44ACOL	PEDESTAL POST, ANGLED 4x4	**226.90**	C	1	19.0	41026
AC-66COL	PEDESTAL POST 6x6	**287.87**	C	1	25.0	41032
AC-66ACOL	PEDESTAL POST, ANGLED 6x6	**340.36**	C	1	29.0	41030
Bases						
AC-1818BASE	PEDESTAL BASE 18x18	**117.42**	C	1	20.0	41018
AC-2424BASE	PEDESTAL BASE 24x24	**264.80**	C	1	31.5	42590

CLIMATE CONTROL - AIR CONDITIONERS

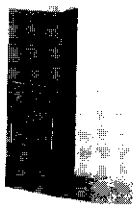
CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
Mini Panel - Mounted Air Conditioners						
KA4C1.2MMT	AIR CONDITIONER, 115V	**2207.00**	C	1	40.0	32576
K2A4C1.2MMT	AIR CONDITIONER, 230V	**2347.00**	C	1	40.0	02805

NP17 Series - Trimline Air-Cooled Panel-Mounted Air Conditioners

KA4C2.0NP17	AIR CONDITIONER, 115V	**2300.00**	C	1	49.0	32578
K2A4C2.0NP17	AIR CONDITIONER, 230V	**3247.00**	C	1	49.0	02806

NP33 Series - Trimline Air-Cooled Panel-Mounted Air Conditioners

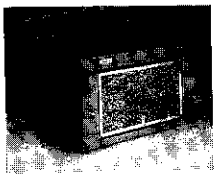
KA4C4NP33L	AIR CONDITIONER, 115V	**3005.00**	C	1	95.0	32600
K2A4C4NP33L	AIR CONDITIONER, 230V	**3278.00**	C	1	95.0	02807



NP47 Series - Trimline Air-Cooled Panel-Mounted Air Conditioners

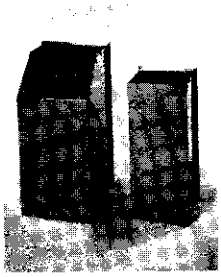
KA4C6NP47R	AIR CONDITIONER, 115V	**3608.80**	C	1	150.0	32602
KA3C8NP47R	AIR CONDITIONER, 115V	**3673.70**	C	1	150.0	32606
KA3C10NP47R	AIR CONDITIONER, 115V	**3895.00**	C	1	150.0	32588
KA3C12NP47R	AIR CONDITIONER, 115V	**4779.60**	C	1	150.0	32592
K2A4C6NP47R	AIR CONDITIONER, 230V	**3846.60**	C	1	150.0	32538
K2A3C8NP47R	AIR CONDITIONER, 230V	**3887.20**	C	1	150.0	32542
K2A3C10NP47R	AIR CONDITIONER, 230V	**4219.80**	C	1	150.0	32530
K2A3C12NP47R	AIR CONDITIONER, 230V	**5049.10**	C	1	150.0	32532

CLIMATE CONTROL - AIR CONDITIONERS



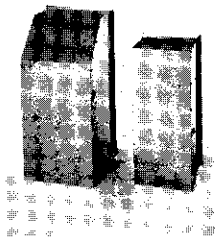
CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
HT Series - Horizontal Top-Mounted Air Conditioners						
KA4C2HTT	AIR CONDITIONER, 115V	**2720.00**	C	1	87.0	32580
KA4C4HTT	AIR CONDITIONER, 115V	**3316.00**	C	1	90.0	32584
K2A4C2HTT	AIR CONDITIONER, 230V	**2828.00**	C	1	90.0	00391
K2A4C4HTT	AIR CONDITIONER, 230V	**3510.00**	C	1	90.0	07825

P28 & P36 Series - Air-Cooled Panel-Mounted Air Conditioners						
KA4C2P28L	AIR CONDITIONER, 115V	**2362.00**	C	1	90.0	32582
KA4C4P28L	AIR CONDITIONER, 115V	**2835.00**	C	1	90.0	32586
KA4C6P36R	AIR CONDITIONER, 115V	**3356.00**	C	1	90.0	32604
K2A4C2P28L	AIR CONDITIONER, 230V	**2455.00**	C	1	90.0	32451
K2A4C4P28L	AIR CONDITIONER, 230V	**2964.00**	C	1	90.0	32543
K2A4C6P36R	AIR CONDITIONER, 230V	**3478.00**	C	1	90.0	32540
P52 Series - Air-Cooled Panel-Mounted Air Conditioners						
KAC8P52T	AIR CONDITIONER, 115V	**3841.00**	C	1	135.0	32608
KAC10P52T	AIR CONDITIONER, 115V	**3985.00**	C	1	135.0	32590
KAC12P52T	AIR CONDITIONER, 115V	**5008.00**	C	1	135.0	32594
K2AC8P52T	AIR CONDITIONER, 230V	**3965.00**	C	1	135.0	32544
K2AC10P52T	AIR CONDITIONER, 230V	**4223.90**	C	1	135.0	32531
K2AC12P52T	AIR CONDITIONER, 230V	**5132.00**	C	1	135.0	32534



NEMA 4X Series 32 Air Conditioners						
KNA4C1P32	NEMA 4X AIR CONDITIONER, 115V	**3981.00**	C	1	100.0	07830
KNA4C2P32	NEMA 4X AIR CONDITIONER, 115V	**4266.70**	C	1	100.0	07832
KNA4C3P32	NEMA 4X AIR CONDITIONER, 115V	**4552.40**	C	1	100.0	06992
KNA4C4P32	NEMA 4X AIR CONDITIONER, 115V	**4838.10**	C	1	100.0	07833
K2NA4C1P32	NEMA 4X AIR CONDITIONER, 230V	**4371.50**	C	1	100.0	07834
K2NA4C2P32	NEMA 4X AIR CONDITIONER, 230V	**4657.20**	C	1	100.0	07835
K2NA4C3P32	NEMA 4X AIR CONDITIONER, 230V	**4942.90**	C	1	100.0	07836
K2NA4C4P32	NEMA 4X AIR CONDITIONER, 230V	**5228.60**	C	1	100.0	07837
NEMA 4X Series 38 Air Conditioners						
KNA4C4P38	NEMA 4X AIR CONDITIONER, 115V	**5412.70**	C	1	180.0	07838
KNA4C5P38	NEMA 4X AIR CONDITIONER, 115V	**5695.30**	C	1	180.0	06709
KNA4C6P38	NEMA 4X AIR CONDITIONER, 115V	**5981.00**	C	1	180.0	07843
KNA4C7P38	NEMA 4X AIR CONDITIONER, 115V	**6269.90**	C	1	180.0	07846
K2NA4C4P38	NEMA 4X AIR CONDITIONER, 230V	**5800.00**	C	1	205.0	07849
K2NA4C5P38	NEMA 4X AIR CONDITIONER, 230V	**6085.80**	C	1	205.0	07852
K2NA4C6P38	NEMA 4X AIR CONDITIONER, 230V	**6371.50**	C	1	205.0	07855
K2NA4C7P38	NEMA 4X AIR CONDITIONER, 230V	**6660.40**	C	1	205.0	07858
K2NA4C8P38	NEMA 4X AIR CONDITIONER, 230V	**6942.90**	C	1	235.0	07290
K2NA4C9P38	NEMA 4X AIR CONDITIONER, 230V	**7231.80**	C	1	235.0	07863
K2NA4C10P38	NEMA 4X AIR CONDITIONER, 230V	**7517.50**	C	1	235.0	07867

CLIMATE CONTROL - AIR CONDITIONERS (cont.)



NEMA 4X Series 47 Air Conditioners

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
KNA4C4P47	NEMA 4X AIR CONDITIONER, 115V	**5882.50**	C	1	180.0	07839
KNA4C5P47	NEMA 4X AIR CONDITIONER, 115V	**6165.10**	C	1	180.0	07841
KNA4C6P47	NEMA 4X AIR CONDITIONER, 115V	**6454.00**	C	1	180.0	07844
KNA4C7P47	NEMA 4X AIR CONDITIONER, 115V	**6739.70**	C	1	180.0	07847
K2NA4C4P47	NEMA 4X AIR CONDITIONER, 230V	**6273.10**	C	1	205.0	07850
K2NA4C5P47	NEMA 4X AIR CONDITIONER, 230V	**6555.60**	C	1	205.0	07853
K2NA4C6P47	NEMA 4X AIR CONDITIONER, 230V	**6844.50**	C	1	205.0	07856
K2NA4C7P47	NEMA 4X AIR CONDITIONER, 230V	**7130.20**	C	1	205.0	07859
K2NA4C8P47	NEMA 4X AIR CONDITIONER, 230V	**7415.90**	C	1	235.0	07861
K2NA4C9P47	NEMA 4X AIR CONDITIONER, 230V	**7701.60**	C	1	235.0	07864
K2NA4C10P47	NEMA 4X AIR CONDITIONER, 230V	**7987.30**	C	1	235.0	07868

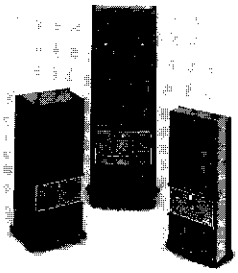
NEMA 4X Series 59 Air Conditioners

KNA4C4P59	NEMA 4X AIR CONDITIONER, 115V	**6412.70**	C	1	180.0	07840
KNA4C5P59	NEMA 4X AIR CONDITIONER, 115V	**6695.30**	C	1	180.0	07842
KNA4C6P59	NEMA 4X AIR CONDITIONER, 115V	**6984.20**	C	1	180.0	07845
KNA4C7P59	NEMA 4X AIR CONDITIONER, 115V	**7269.90**	C	1	180.0	07848
K2NA4C4P59	NEMA 4X AIR CONDITIONER, 230V	**6800.00**	C	1	205.0	07851
K2NA4C5P59	NEMA 4X AIR CONDITIONER, 230V	**7085.80**	C	1	205.0	07854
K2NA4C6P59	NEMA 4X AIR CONDITIONER, 230V	**7374.60**	C	1	205.0	07857
K2NA4C7P59	NEMA 4X AIR CONDITIONER, 230V	**7660.40**	C	1	205.0	07860
K2NA4C8P59	NEMA 4X AIR CONDITIONER, 230V	**7946.10**	C	1	235.0	07862
K2NA4C9P59	NEMA 4X AIR CONDITIONER, 230V	**8231.80**	C	1	235.0	07865
K2NA4C10P59	NEMA 4X AIR CONDITIONER, 230V	**8517.50**	C	1	235.0	07869

NOTE:

	DIMENSIONS Height	Width
Series 38	37.00	37.75
Series 47	46.25	47.00
Series 59	58.31	59.06

CLIMATE CONTROL - HEAT EXCHANGERS



Air-To-Air Heat Exchangers KXHE Models 120A, 125A & 240A

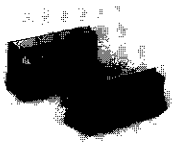
KXHE120A	HEAT EXCHANGER, 115V	**1070.00**	C	1	20.0	32644
KXHE125A	HEAT EXCHANGER, 115V	**2026.00**	C	1	55.0	32646
KXHE240A	HEAT EXCHANGER, 115V	**1204.00**	C	1	60.0	32652
K2XHE120A	HEAT EXCHANGER, 230V	**1124.00**	C	1	20.0	32570
K2XHE125A	HEAT EXCHANGER, 230V	**2098.00**	C	1	55.0	32571
K2XHE240A	HEAT EXCHANGER, 230V	**1495.70**	C	1	60.0	32574

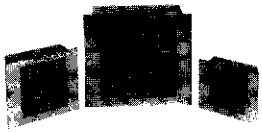
Air-To-Air Heat Exchangers KXHE Models 224,236 & 224D,236D

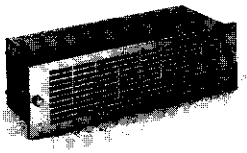
KXHE224D	HEAT EXCHANGER, 115V	**1063.49**	C	1	34.0	32643
KXHE224S	HEAT EXCHANGER, 115V	**980.95**	C	1	34.0	32647
KXHE236D	HEAT EXCHANGER, 115V	**1671.00**	C	1	34.0	32648
KXHE236S	HEAT EXCHANGER, 115V	**1413.20**	C	1	30.0	32650
K2XHE224D	HEAT EXCHANGER, 230V	**1882.00**	C	1	34.0	32573
K2XHE224S	HEAT EXCHANGER, 230V	**1758.60**	C	1	34.0	32577
K2XHE236D	HEAT EXCHANGER, 230V	**1787.00**	C	1	34.0	32572
K2XHE236S	HEAT EXCHANGER, 230V	**1771.50**	C	1	30.0	32575

S = Single Fan **D = Double Fan**

CATALOG NUMBER	DESCRIPTION	LIST PRICE	SCH.	CTN. QTY.	CTN. WT.	UPC # 782051
CLIMATE CONTROL - FANS & BLOWERS						
Twin & Triple Fans						
KP500A	COOLING FAN PACKAGE, 115V	**471.00**	C	1	10.0	32614
KP500B	COOLING FAN PACKAGE, 115V	**471.00**	C	1	10.0	32616
KP875A	COOLING FAN PACKAGE, 115V	**651.60**	C	1	12.0	32630
KP875B	COOLING FAN PACKAGE, 115V	**651.60**	C	1	12.0	32632
K2P500A	COOLING FAN PACKAGE, 230V	**534.30**	C	1	10.0	32546
K2P500B	COOLING FAN PACKAGE, 230V	**534.30**	C	1	10.0	32548
K2P875A	COOLING FAN PACKAGE, 230V	**701.40**	C	1	12.0	32562
K2P875B	COOLING FAN PACKAGE, 230V	**701.40**	C	1	12.0	32564
Filter Box Fans						
KP40	4" FAN PACKAGE, 115V	**143.80**	C	1	3.0	32785
KP60	6" FAN PACKAGE, 115V	**244.00**	C	1	4.0	32790
KP100	10" FAN PACKAGE, 115V	**340.90**	C	1	10.0	32780
K2P40	4" FAN PACKAGE, 230V	**152.60**	C	1	3.0	32705
K2P60	6" FAN PACKAGE, 230V	**256.70**	C	1	4.0	32710
K2P100	10" FAN PACKAGE, 230V	**341.00**	C	1	10.0	32700
Twin Blowers						
KP529A	BLOWER PACKAGE, 115V	**501.50**	C	1	14.0	32622
KP529B	BLOWER PACKAGE, 115V	**501.50**	C	1	14.0	32624
KP529C	BLOWER PACKAGE, 115V	**501.50**	C	1	14.0	32626
KP529D	BLOWER PACKAGE, 115V	**501.50**	C	1	14.0	32628
K2P529A	BLOWER PACKAGE, 230V	**587.00**	C	1	14.0	32554
K2P529B	BLOWER PACKAGE, 230V	**587.00**	C	1	14.0	32556
K2P529C	BLOWER PACKAGE, 230V	**587.00**	C	1	14.0	32558
K2P529D	BLOWER PACKAGE, 230V	**587.00**	C	1	14.0	32560
Exhaust & Filter Assembly for Blower Package						
KFG525-19	EXHAUST/FILTER ASSY FOR BLOWER	**145.90**	C	1	8.0	32610
KFG875-19	EXHAUST/FILTER ASSY FOR BLOWER	**166.70**	C	1	8.0	32612
Filter Grille Assemblies						
KFG100	10" GRILLE ASSEMBLY	**113.20**	C	1	5.0	32750
KFG40	4" GRILLE ASSEMBLY	**72.40**	C	1	3.0	32755
KFG60	6" GRILLE ASSEMBLY	**76.80**	C	1	5.0	32760
Weather Protection Kits						
KWP10	WEATHER PROTECTION KIT (NP17)	**369.70**	C	1	15.0	57210
KWP15	WEATHER PROTECTION KIT (KXHE120A)	**295.30**	C	1	15.0	07461
KWP45	WEATHER PROTECTION KIT (NP33)	**393.40**	C	1	20.0	57245
KWP53	WEATHER PROTECTION KIT (P28/P36)	**352.40**	C	1	25.0	02653
KWP65	WEATHER PROTECTION KIT (P52)	**393.40**	C	1	30.0	57265
KWP66	WEATHER PROTECTION KIT (NP47)	**409.60**	C	1	30.0	07536







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Phone: 303-375-8000
Fax: 303-375-8015

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101098

ATTN: JACK

B-Line Stock Discounts (E)

Prices are subject to change without notice

Today's Date: 8/4/00

Effective Date of Pricing:

Customer: EDWARDS Supply Co,

QUOTE NO:

Billing Address	Shipping Address	
		Customer #: 15499
		Phone #: 865-483-1766
P.O. Box 4834	315 OAK RIDGE Turnpike	Fax #:
OAK RIDGE, TN	OAK RIDGE, TN	R.M. #: [redacted] Stock Foston
37381	37830	AGENT #:

Freight Terms: STANDARD

Price Sheet: CURRENT

Bolted Framing

Approval:

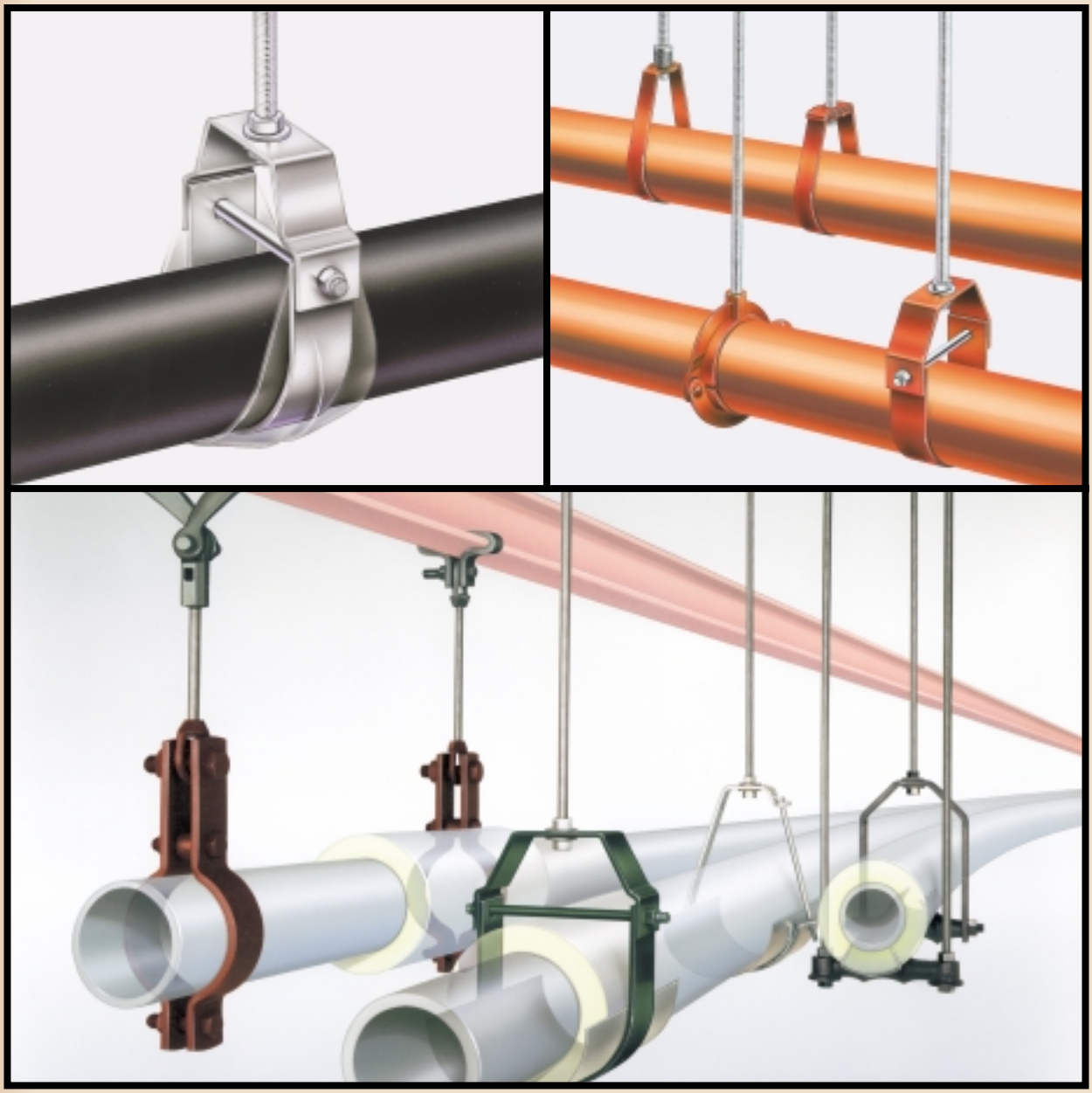
SPECIALS	GREEN	GALV
B225H	89.40	91.16
B245H	78.05	79.38
B525H	78.39	79.46
B545H	66.26	67.47

FASTENERS	Box x 6650	
	Case x 6650	
	GREEN	GALV
B22	80.20	82.00
B54	54.90	55.90
B52	78.60	

Lines percent of Strut Stock_____ Fittings Stock_____ if shared, with whom_____

CHANNEL X 1.15

PIPE HANGERS & SUPPORTS



B-Line®

SYSTEMS THAT MAKE SENSE

COOPER B-Line

INTRODUCTION

B-Line® Systems, Inc. is a leading manufacturer and fabricator of metal products used in the support of pipe and equipment for industrial, commercial, utility, and OEM installations. B-Line is proud of the exacting standards of research, design, engineering, and manufacturing that go into each and every product that comprise our pipe hanger product line. Our customers have access to the most complete support systems offered in the industry, including pipe hangers, metal framing, cable tray, slotted angle, fasteners, telecom, enclosures and anchors.

Many of B-Line's products are listed by Underwriters' Laboratories, Inc., and approved by the Factory Mutual Laboratories. All B-Line products are manufactured to meet or exceed industry standards set for their design and manufacture.

B-Line products are produced in eight modern plants consisting of over 1,000,000 square feet. These facilities are located in Highland, Illinois; Troy, Illinois; Norcross, Georgia; Reno, Nevada, Sherman, Texas; Modesto, California; Portland, Oregon; and Aurora, Colorado. Regional sales and distribution centers are located throughout the United States stocking standard B-Line products for quick service and delivery.

This catalog is designed to be helpful to engineers and contractors in the application and selection of pipe hanger and support products for construction and maintenance.

If a unique application requires a special product not included in this catalog, B-Line engineering personnel are ready to furnish design consultation and realistic cost estimates. In addition, sales representatives with engineering know-how are located throughout the United States and abroad for your convenience.

SINCE MSS 1924
MANUFACTURERS STANDARDIZATION SOCIETY
OF THE
VALVE AND FITTING INDUSTRY, INC.

apfa
AMERICAN PIPE FITTINGS ASSOCIATION

Cooper B-Line
509 West Monroe Street
P.O. Box 326
Highland, Illinois 62249-0326
Phone: 618-654-2184

Your Local Representative Is:

Warning

All hanger products in this catalog are intended for installation and service as illustrated or described. We are aware that these products have been used successfully for purposes other than for which they were designed. We also know that on occasion, these products have failed when used as tools for erection or for some purpose other than intended use. We caution against misapplication which may result in failure or accident.

Examples of this misapplication which can result in failure include: the use of a beam clamp on a beam other than described in the catalog; the use of concrete inserts as a anchor for pulling pipe up to the required elevation; and the suspension of clevis hangers, one under another, which can result in the accumulative load greater than the pipe hanger will support. B-Line pipe hanger products are manufactured in accordance with industry standards. Our customers should exercise care to use these products properly so as to avoid an on-the-job accident. Consult the Home Office for assistance of proper installation and use of the products in this catalog.

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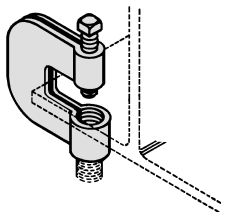

Figure B351
Steel C-Clamp

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Steel C-Clamp
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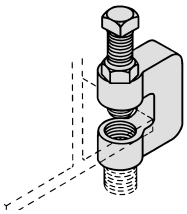

Figure B3036
Malleable Iron
C-Clamp

Figure B3036L
Malleable Iron
C-Clamp
With Locknut
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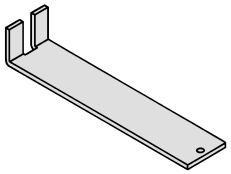

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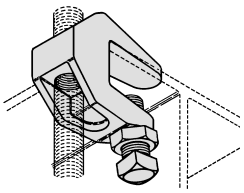

Figure B3031-3/8
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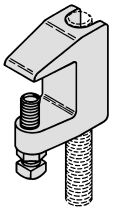

Figure B3033
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Top Flange C-Clamp

Figure B3034
Top Flange C-Clamp
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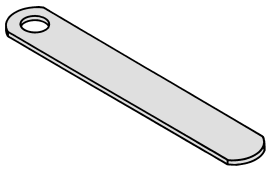

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Retaining Strap
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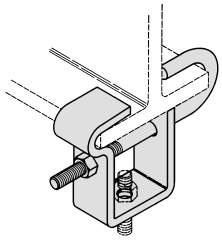

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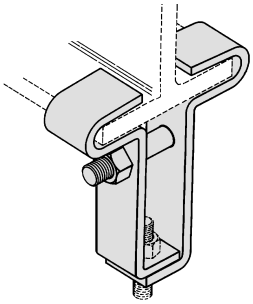

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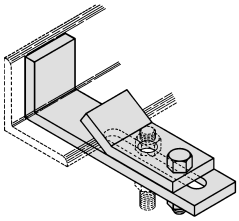

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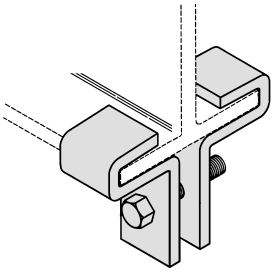

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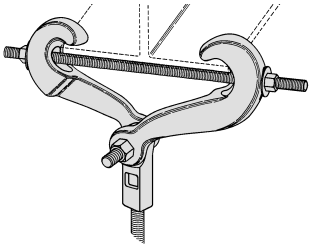

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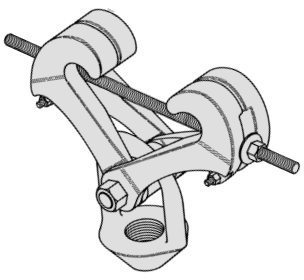

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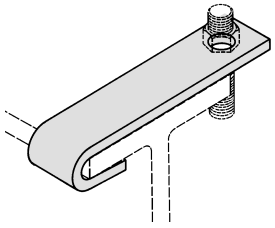

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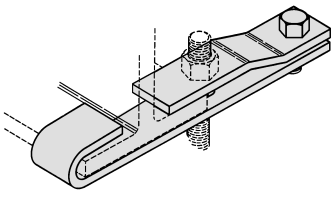

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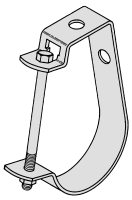

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Figure B3690C
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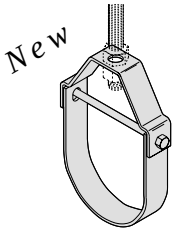

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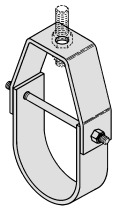

Figure B3104
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Figure B3104CT
Copper Tubing
Light Duty Clevis Hanger
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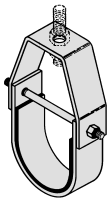

Figure B3104C
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Figure B3104CTC
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Plastic Coated
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Figure B3104F
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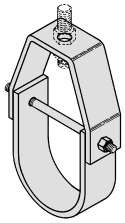

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Figure B3105
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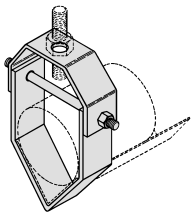

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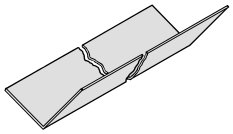

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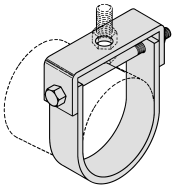

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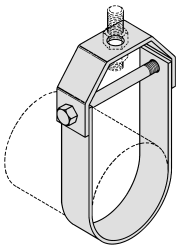

Figure B3108
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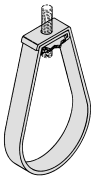

Figure B3174
Twirl Adjustable
Band Hanger
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Figure B3174CT
Copper Tubing
Twirl Adjustable
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◆ *New Dura-Copper Finish*
✸ *New Dura-Green Finish*

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Figure B3174F
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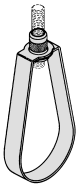

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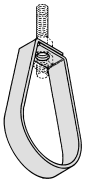

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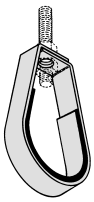

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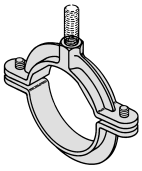

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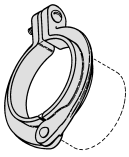

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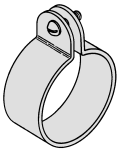

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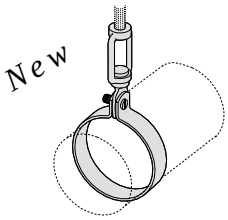

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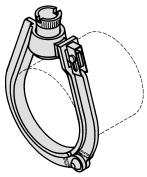

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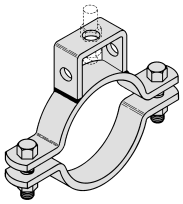

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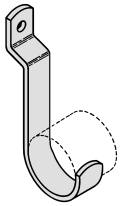

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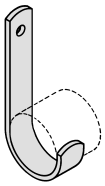

Figure B3191
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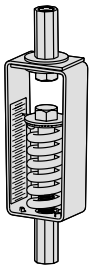

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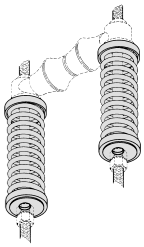

Figure B3264
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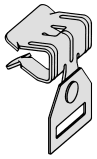

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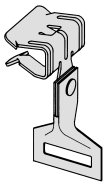

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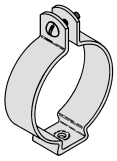

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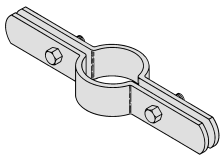
PIPE CLAMPS



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Standard Riser Clamp
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Figure B3373CT
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Riser Clamp
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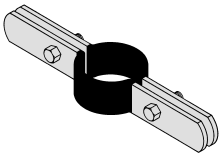

Figure B3373C
Plastic Coated
Standard Riser Clamp
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Figure B3373CTC
Copper Tubing
Plastic Coated
Riser Clamp
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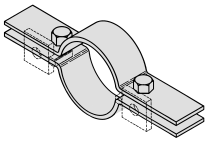

Figure B3132
Two-Bolt
Underground Clamp
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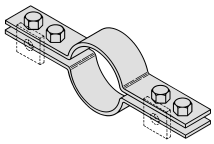

Figure B3134
Four-Bolt
Underground Clamp
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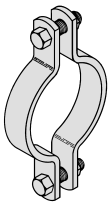

Figure B3140
Standard Pipe Clamp
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Figure B3142
Heavy Duty Pipe Clamp
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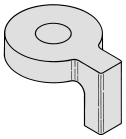

Figure B3132W
Lug Washer
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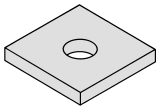

Figure B3134W
Washer
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◆ *New Dura-Copper Finish*
✸ *New Dura-Green Finish*

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PIPE CLAMPS (Continued)

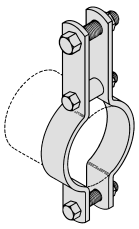

Figure B3144
Double Bolt Pipe Clamp
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Figure B3146
Heavy Duty Double Bolt Pipe Clamp
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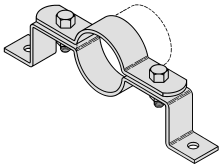

Figure B3148
Offset Pipe Clamp
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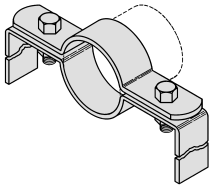

Figure B3149
Marine Hanger
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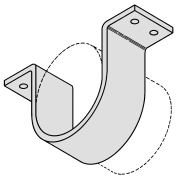

Figure B3180
Short Pipe Strap
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PIPE ROLLERS & ROLLER SUPPORTS

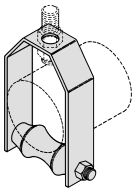

Figure B3110
Adjustable Steel Yoke Pipe Roll
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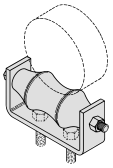

Figure B3120
Roller Chair
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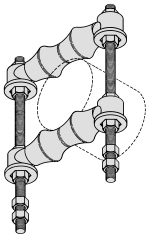

Figure B3122A
Adjustable Double Roller Guide
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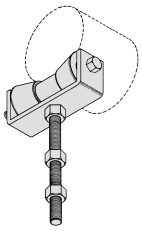

Figure B3124
Roller Support
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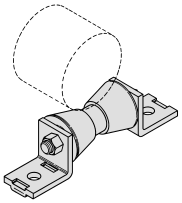

Figure B3126
Roller Support
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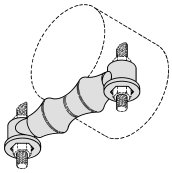

Figure B3114
Pipe Roll With Sockets
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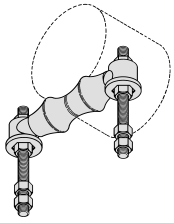

Figure B3122
Adjustable Roller Support
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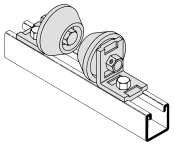

Figure B218
Pipe Rollers
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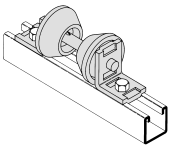

Figure B219
Pipe Rollers
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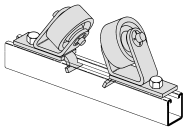

Figure B379
Pipe Rollers
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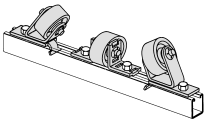

Figure B479
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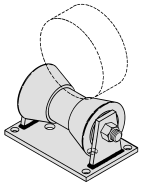

Figure B3117SL
Steel Roller Stand
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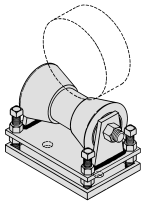

Figure B3118SL
Adjustable Roller Stand With Base Plate
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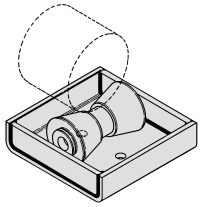

Figure B3119SL
Roller With Steel Base Plate
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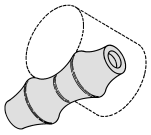

Figure B3114R
Long Pipe Roll Only
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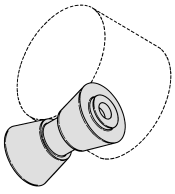

Figure B3117R
Short Pipe Roll Only
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PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES

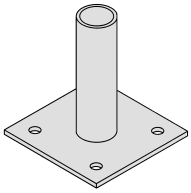

Figure B3088
Base Stand
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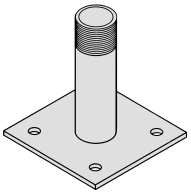

Figure B3088T
Threaded Base Stand
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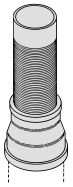

Figure B3089
Pipe Support Adjuster
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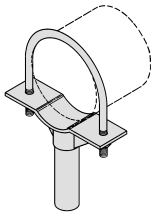

Figure B3090
Pipe Saddle Support
With U-Bolt
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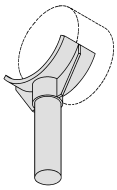

Figure B3095
Pipe Saddle Support
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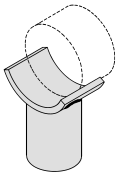

Figure B3091
Pipe Saddle Support
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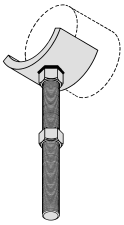

Figure B3096
Adjustable Pipe
Saddle Support
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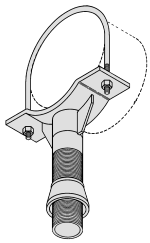

Figure B3092
Adjustable Pipe Saddle
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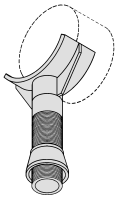

Figure B3093
Adjustable Pipe
Saddle Support
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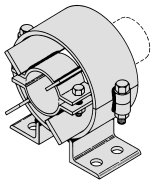

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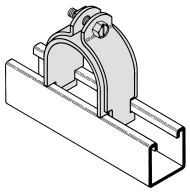

Figure B2417
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Figure B3195
IPS Felt Isolator
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Figure B3195CT
Copper Tubing
Felt Isolator
Page 96

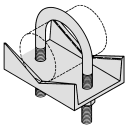

Figure B3147A
Figure B3147B
Anchor Chairs
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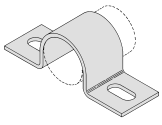

Figure B3252
Standard Hold-Down
Pipe Guide
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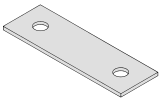

Figure B3253
Base Plate
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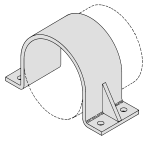

Figure B3256
Hold-Down
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PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES (Continued)

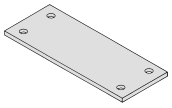

Figure B3257
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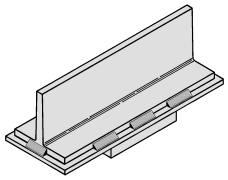

Figure B3891 thru B3897
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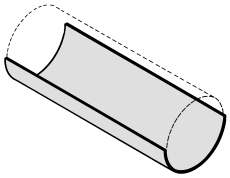

Figure B3151
Insulation
Protection Shield
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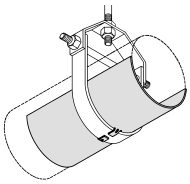

Figure B3153
Insulation Protection
Shield With Tabs
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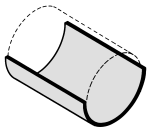

Figure B3154
Short Insulation
Protection Shield
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Figure B3155
Short Insulation Protection
Shield With Tabs
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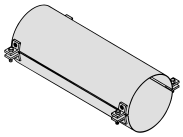

Figure B3152
360° Insulation
Protection Shield
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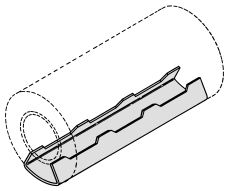

Figure B3160 thru B3165
Pipe Covering Protection Saddle
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CONCRETE INSERTS

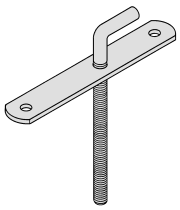

Figure B3019
Adjustable Metal
Deck Ceiling Bolt
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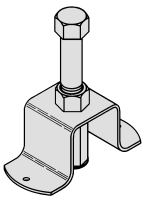

Figure B2501
Light Duty Spot Insert
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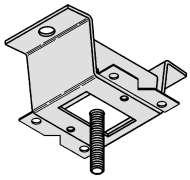

Figure B2500
Light Duty Spot Insert
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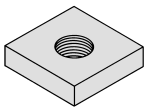


Figure N2500
Steel Insert Nut
Page 118

Figure B2505 thru B2508
Spot Insert
Page 120

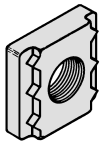


Figure B3014N
Malleable Iron Insert Nut
Page 119

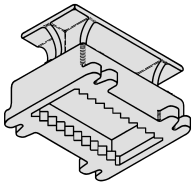
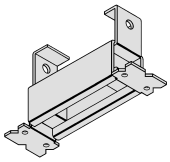


Figure B3014
Malleable Iron Spot Insert
Page 119



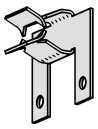


Figure BD40
Fastener Clip
Page 121

Figure BE-5-8
Fastener Clip
Page 121

BRACKETS

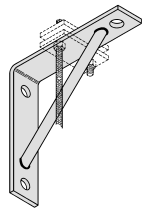


Figure B3063
Light Welded
Steel Bracket
Page 123

Figure B3063CP
Clip
Page 123

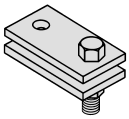
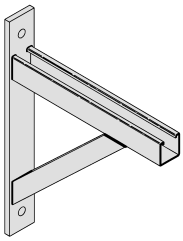


Figure B3064
Adjustable Strut Bracket
Page 124



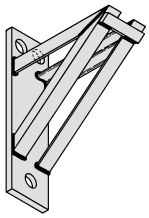


Figure B3066
Medium Duty Angle Bracket
Page 126

Figure B3067
Heavy Duty Angle Bracket
Page 127

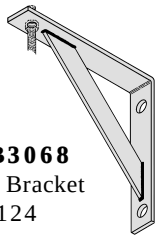


Figure B3068
Light Duty Bracket
Page 124

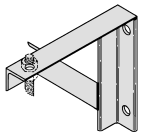


Figure B3065
Angle Iron Bracket
Page 125

UPPER ATTACHMENTS

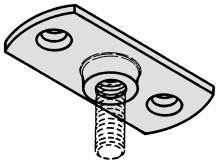


Figure B3199
Ceiling Flange
Page 129

Figure B3199CT
Dura-Copper Coated
Ceiling Flange ◆
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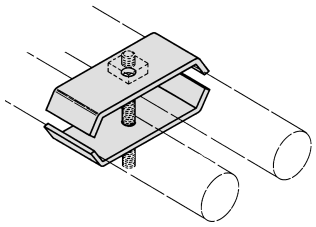

Figure B3059
Bar Joist Washer
Page 129

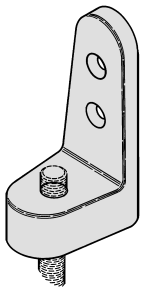

Figure B3058
Side Beam Connector
Page 129

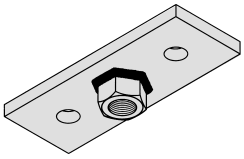

Figure B3087
Steel Ceiling Flange
Page 130

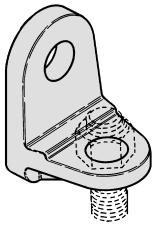

Figure B3062
Side Beam Bracket
Page 130

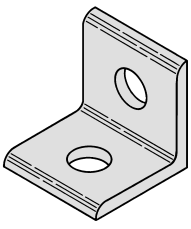

Figure B3060
Side Beam Angle Clip
Page 131

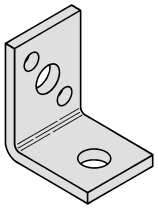

Figure B3060L
Side Beam Angle Clip
Page 131

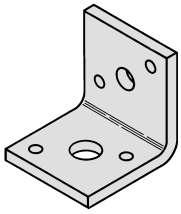

Figure B3070
Reversible Angle Clip
Page 131

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UPPER ATTACHMENTS (Continued)

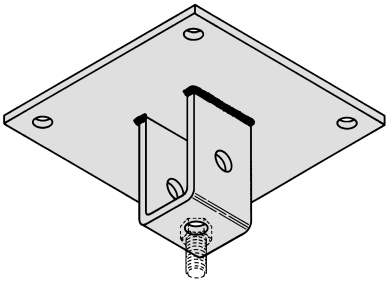

Figure B3085
Rod Attachment Concrete Plate
Page 134

Figure B3083
Figure B3083WO
Welded Beam Attachment
Page 132

Figure B3080S (Short)
Figure B3080L (Long)
Structural Welding Lug
Page 133

Figure B3086
Clevis Concrete Plate
Page 135

Figure B3084
Single Lug Concrete Plate
Page 136

Figure B3082
Rod Beam Attachment
Page 137

THREADED ACCESSORIES (Continued)

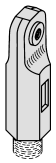

Figure B3203
Extension Piece
Page 143

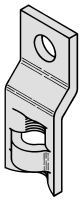

Figure B3223
Offset Eye Socket
Page 143

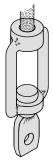

Figure B3224
Hanger Adjuster
Page 144

Figure B3224CT
Dura-Copper Coated
Hanger Adjuster
Page 144 ◆

Figure B3202
Turnbuckle
Page 144

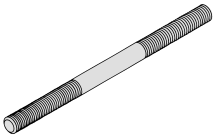

Figure B3205
Machine Threaded Rod
Page 145

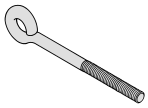

Figure B3210
Eye Rod
Page 146

Figure B3211
Welded Eye Rod
Page 146

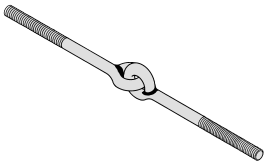

Figure B3210X
Linked Eye Rod
Page 147

Figure B3211X
Linked Welded Eye Rod
Page 147

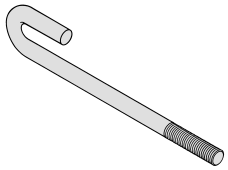

Figure B3212
J-Bolt
Page 148

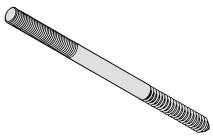

Figure B3213
Coach Screw Rod
Page 148

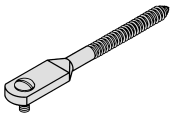

Figure B3227
Flat End Lag Screw
Page 149

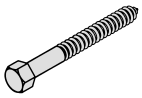

Figure B3228
Hex Head Lag Bolt
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Figure DS 16 x 2
#16 x 2" Drive Screw
Page 149

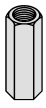

Figure B655
Steel Rod Coupling
Page 150

Figure B656
Steel Reducer
Rod Coupling
Page 150

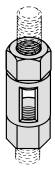

Figure B3220
Malleable Iron
Rod Coupling
Page 150

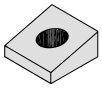

Figure B3234
Bevel Washer
Page 151

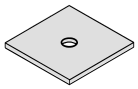

Figure B3248
Steel Washer Plate
Page 151

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VIBRA TROL®

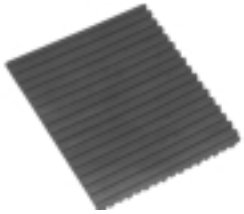

Figure NNP
Ribbed
Neoprene Pad
Page 154

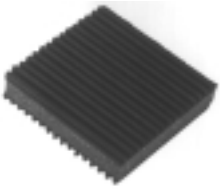

Figure CNP
Cork and Ribbed
Neoprene Pad
Page 154

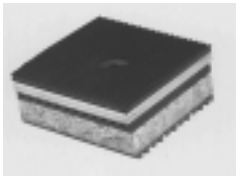

Figure CNNK
Cork, Ribbed
Neoprene and Steel
Page 155

Figure VRP
Rubber Cube Pad
Page 155

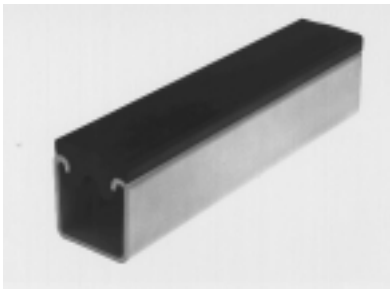

Figure BVS
Vibra Strip™ for 1 5/8"
Wide B-Line channel
Page 156

Figure ND
Double Deflection
Page 156

Figure CM
Metal Housing and
Neoprene
Page 157

Figure OML/OM
Spring Mount
Page 158 & 159

Figure HMLE/HME
Housed 1"
Deflection Mounting
Page 160 & 161

VIBRA TROL® (Continued)

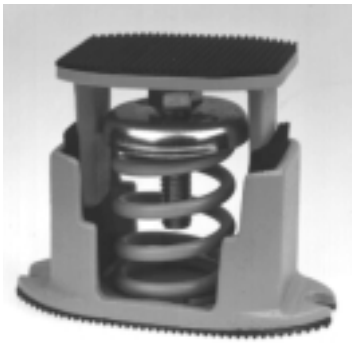

Figure HMLT/HMT
Housed 1"
Deflection Mounting
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Figure ANH
Acoustical Hanger
Page 164

Figure RH
Neoprene Hanger
Page 165

Figure HSL/HS
Vibration Spring Hanger
Page 166 & 167

Figure HESL/HES
Combination Spring &
Neoprene
Page 168 & 169

Figure SHE
Isolation Spring Hanger
Page 170 & 171

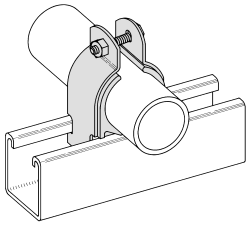


Figure BVT
Vibraclamp
Tubing Sizes
Page 173

Figure BVP
Vibraclamp
Pipe Sizes
Page 174

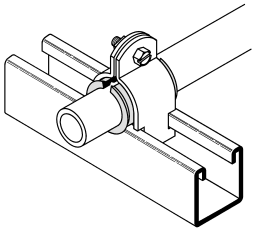


Figure B1999
Vibra Cushion
Page 175

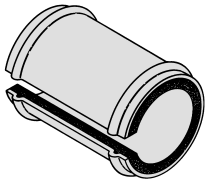
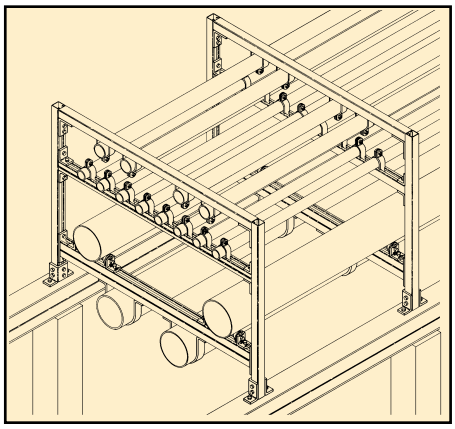


Figure B3195
Felt Isolators
Page 175

Figure B3195CT
Dura-Copper Coated
Felt Isolators
Page 175

Strut Systems

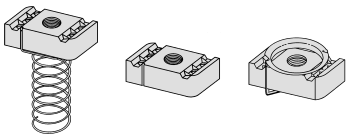
B-Line's metal framing support system is designed with many time-saving features. Fully adjustable and reusable, with a complete line of channels, fittings, and accessories for multi-purpose applications.



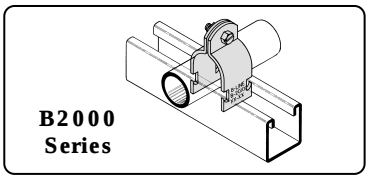
SELECTION CHART
for Channels, Materials and Hole Patterns

Channel Type	Channel Dimensions				Material & Thickness*				Channel Hole Pattern **				
	Height (H)		Width (W)		Steel 1	Alum. 2	Stainless Steel Type 304 3	Stainless Steel Type 316 4	SH	S	H17/8	TH	KO6
B11	3 1/4"	(82.5)	1 5/8"	(41.3)	12 Ga.	--	--	--	1	1	1	--	1
B12	2 7/16"	(61.9)	1 5/8"	(41.3)	12 Ga.	.105	--	--	1 2	1	1 2	--	1 2
B22	1 5/8"	(41.3)	1 5/8"	(41.3)	12 Ga.	.105	12 Ga.	12 Ga.	1 2 3 4	1	1 2 3 4	1	1 2
B24	1 5/8"	(41.3)	1 5/8"	(41.3)	14 Ga.	.080	14 Ga.	14 Ga.	1 2 3 4	1	1 2 3 4	--	1 2
B26	1 5/8"	(41.3)	1 5/8"	(41.3)	16 Ga.	--	--	--	1	1	1	--	1
B32	1 3/8"	(34.9)	1 5/8"	(41.3)	12 Ga.	--	12 Ga.	--	1 3	1	1 3	--	1
B42	1"	(25.4)	1 5/8"	(41.3)	12 Ga.	--	12 Ga.	--	1 3	1	1 3	--	1
B52	13/16"	(20.6)	1 5/8"	(41.3)	12 Ga.	--	--	--	1	1	1	--	1
B54	13/16"	(20.6)	1 5/8"	(41.3)	14 Ga.	.080	14 Ga.	14 Ga.	1 2 3 4	1	1 2 3 4	--	1 2
B56	13/16"	(20.6)	1 5/8"	(41.3)	16 Ga.	--	--	--	1	1	1	--	1

Channel Nuts



Size and Part Number			
Thread Size	With Spring	Without Spring	Twirl Nut
1/4"-20	N224	N224WO	TN224
3/8"-16	N228	N228WO	TN228
1/2"-13	N225	N225WO	TN225
5/8"-11	N255	N255WO	--
3/4"-10	N275	N275WO	--



Copper Tubing Clamps
Dura Copper®

Part No.	Nominal Tubing Size		Mat'l Ga.
B2026DCU	1/2"	(15)	16
B2028DCU	3/4"	(20)	16
B2030DCU	1"	(25)	14
B2032DCU	1 1/4"	(32)	14
B2034DCU	1 1/2"	(40)	14
B2038DCU	2"	(50)	12
B2042DCU	2 1/2"	(60)	12
B2046DCU	3"	(80)	12
B2050DCU	3 1/2"	(90)	12
B2054DCU	4"	(100)	11

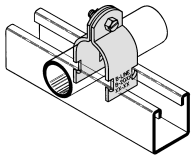
Schedule 40 Pipe Clamps

Part No.	Nominal Pipe Size		Mat'l Ga.
B2007	3/8"	(10)	16
B2008	1/2"	(15)	16
B2009	3/4"	(20)	14
B2010	1"	(25)	14
B2011	1 1/4"	(32)	14
B2012	1 1/2"	(40)	12
B2013	2"	(50)	12
B2014	2 1/2"	(60)	12
B2015	3"	(80)	12
B2016	3 1/2"	(90)	11
B2017	4"	(100)	11
B2018	4 1/2"	(115)	11
B2019	5"	(125)	11
B2020	6"	(150)	11
B2021	7"	(175)	11
B2022	8"	(200)	11

Available Finishes: Electro-Galvanized, Aluminum, Stainless, Dura-Copper Painted, Hot-Dip Galvanized and PVC coated.
Nut and bolts are included with all two-piece clamps.

Strut Systems Components

Below are some basic components of a strut system. For the industry's most complete line of strut and strut fittings, refer to B-Line's Strut Systems Engineering Catalog.

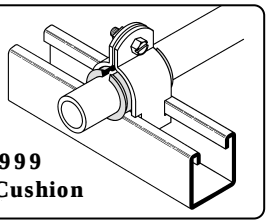


B2000 Series

O.D. Pipe Clamps

Part No.	O.D. Size (Outside Dia.)		Mat'l Ga.
B2023	1/4"	(6.3)	16
B2024	3/8"	(9.5)	16
B2025	1/2"	(12.7)	16
B2026	5/8"	(15.9)	16
B2027	3/4"	(19.0)	16
B2028	7/8"	(22.2)	16
B2029	1"	(25.4)	14
B2030	1 1/8"	(28.6)	14
B2031	1 1/4"	(31.7)	14
B2032	1 3/8"	(34.9)	14
B2033	1 1/2"	(38.1)	14
B2034	1 5/8"	(41.3)	14
B2035	1 3/4"	(44.4)	12
B2036	1 7/8"	(47.6)	12
B2037	2"	(50.8)	12
B2038	2 1/8"	(54.0)	12
B2039	2 1/4"	(57.1)	12

Part No.	O.D. Size (Outside Dia.)		Mat'l Ga.
B2013	2 3/8"	(60.3)	12
B2041	2 1/2"	(63.5)	12
B2042	2 5/8"	(66.7)	12
B2043	2 3/4"	(69.8)	12
B2014	2 7/8"	(73.0)	12
B2045	3"	(76.2)	12
B2046	3 1/8"	(79.4)	12
B2047	3 1/4"	(82.5)	12
B2048	3 3/8"	(85.7)	12
B2015	3 1/2"	(88.9)	12
B2050	3 5/8"	(92.1)	11
B2051	3 3/4"	(95.2)	11
B2052	3 7/8"	(98.4)	11
B2016	4"	(101.6)	11
B2054	4 1/8"	(104.8)	11
B2055	4 1/4"	(107.9)	11
B2056	4 3/8"	(111.1)	11
B2017	4 1/2"	(114.3)	11
B2058	4 5/8"	(117.5)	11
B2059	4 3/4"	(120.6)	11
B2060	4 7/8"	(123.8)	11
B2061	5"	(127.0)	11
B2062	5 1/8"	(130.2)	11
B2063	5 1/4"	(133.3)	11
B2064	5 3/8"	(136.5)	11
B2065	5 1/2"	(139.7)	11



B1999 Vibra-Cushion

- Inhibits Galvanic Reaction
- Reduces Sound & Vibration
- For use on refrigeration, HVAC, copper tubing, glass pipes & hydraulic lines Available in 20 Ft. rolls.

For Rigid Conduit or Iron Pipe

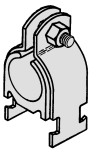
Nominal Size		Length of Vibra-Cushion		Use Clamp No.
3/8"	(10)	2 1/8"	(54.0)	B2002
1/2"	(15)	2 5/8"	(66.7)	B2009
3/4"	(20)	3 1/4"	(82.5)	B2031
1"	(25)	4 1/8"	(104.8)	B2004
1 1/4"	(32)	5 3/16"	(131.8)	B2012
1 1/2"	(40)	5 15/16"	(150.8)	B2038
2"	(50)	7 1/2"	(190.5)	B2042
2 1/2"	(65)	9"	(228.6)	B2046
3"	(80)	11"	(279.4)	B2051
3 1/2"	(90)	12 1/2"	(317.5)	B2055
4"	(100)	14 1/2"	(368.3)	B2059
5"	(125)	17 7/16"	(442.9)	B2067
6"	(150)	20 3/4"	(527.0)	B2116

For Thinwall (EMT) Conduit

Nominal Size		Length of Vibra-Cushion		Use Clamp No.
3/8"	(10)	1 13/16"	(46.0)	B2027
1/2"	(15)	2 3/16"	(58.7)	B2002
3/4"	(20)	2 7/8"	(73.0)	B2003
1"	(25)	3 5/8"	(92.1)	B2032
1 1/4"	(32)	4 3/8"	(120.6)	B2036
1 1/2"	(40)	5 7/16"	(138.1)	B2012
2"	(50)	6 7/8"	(174.6)	B2013

For Copper Tubing Type L & K

Nominal Size		Length of Vibra-Cushion		Use Clamp No.
1/4"	(6)	1 3/16"	(30.2)	B2026
3/8"	(10)	1 9/16"	(39.7)	B2027
1/2"	(15)	1 7/8"	(47.6)	B2028
5/8"	(17)	2 5/16"	(58.7)	B2029
3/4"	(20)	2 3/4"	(69.8)	B2030
1"	(25)	3 1/2"	(88.9)	B2032
1 1/4"	(32)	4 5/16"	(109.5)	B2034
1 1/2"	(40)	5 1/8"	(130.2)	B2036
2"	(50)	6 11/16"	(169.9)	B2013
2 1/2"	(65)	8 1/4"	(209.5)	B2014
3"	(80)	9 13/16"	(249.2)	B2048
3 1/2"	(90)	11 3/8"	(288.9)	B2052
4"	(100)	12 15/16"	(328.6)	B2056
5"	(125)	6 1/8"	(409.6)	B2064
6"	(150)	19 1/4"	(488.9)	B2112
8"	(200)	25 1/2"	(647.7)	B2128



BVT & BVP Series Vibra-Clamps®

Available for tubing and pipe sizes 1/4" to 6", OD sizes 1/4" to 6 5/8". Easy one tool installation, dampens vibration and noise, secures tubing firmly, and protects against galvanic reaction.

For Copper Tubing & OD Sizes

Catalog No.	Copper & Steel OD Tubing Size		Nominal Copper Size	
BVT025	1/4"	(6.3)	--	--
BVT037	3/8"	(9.5)	1/4"	(6)
BVT050	1/2"	(12.7)	3/8"	(10)
BVT062	5/8"	(15.9)	1/2"	(15)
BVT075	3/4"	(19.0)	5/8"	(17)
BVT087	7/8"	(22.2)	3/4"	(20)
BVT100	1"	(25.4)	--	--
BVT112	1 1/8"	(28.6)	1"	(25)
BVT125	1 1/4"	(31.7)	--	--
BVT137	1 3/8"	(34.9)	1 1/4"	(32)
BVT150	1 1/2"	(38.1)	--	--
BVT162	1 5/8"	(41.3)	1 1/2"	(40)
BVT175	1 3/4"	(44.4)	--	--
BVT187	1 7/8"	(47.6)	--	--
BVT200	2"	(50.8)	--	--
BVT212	2 1/8"	(54.0)	2"	(50)
BVT225	2 1/4"	(57.1)	--	--
BVT250	2 1/2"	(63.5)	--	--
BVT262	2 5/8"	(66.7)	2 1/2"	(65)
BVT300	3"	(76.2)	--	--
BVT312	3 1/8"	(79.4)	3"	(80)
BVT362	3 5/8"	(92.1)	3 1/2"	(90)
BVT400	4"	(101.6)	--	--
BVT412	4 1/8"	(104.8)	4"	(100)
BVT612	6 1/8"	(155.6)	6"	(150)

For Pipe Sizes

Catalog No.	Nominal Pipe Size	
BVP025	1/4"	(6)
BVP037	3/8"	(10)
BVP050	1/2"	(15)
BVP075	3/4"	(20)
BVP100	1"	(25)
BVP125	1 1/4"	(32)
BVP150	1 1/2"	(40)
BVP200	2"	(50)
BVP250	2 1/2"	(65)
BVP300	3"	(80)
BVP350	3 1/2"	(90)
BVP400	4"	(100)
BVP500	5"	(125)
BVP600	6"	(150)

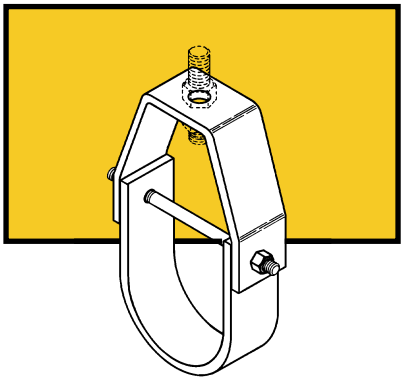
MATERIALS

Carbon Steel

Carbon steel is used in the manufacture of B-Line pipe hangers and supports. Excellent strength characteristics and adaptability to cold forming provide a well engineered design. By cold forming the steel, mechanical properties are increased, adding to the structural integrity of the fabricated hanger.

Stainless Steel

AISI Type 304 and Type 316 are non-magnetic members of the austenitic stainless steel group. Several conditions make the use of stainless steel ideal. These include reducing long term maintenance costs, high ambient temperatures, appearance, and stable structural properties such as yield strength, and high creep resistance.



CORROSION

All metal surfaces exposed to the environment are affected by corrosion. Depending on the physical properties of the metal and its proximity to other dissimilar metals, an electrochemical reaction may occur which causes an attack on the metal itself, resulting in corrosion. Chemical corrosion is limited to highly corrosive environments, high temperatures, or a combination of both.

FINISHES

Zinc Coatings

Protective zinc coatings are available on a number of pipe hangers and accessories in three basic forms: Electro-Plated Zinc, Pre-Galvanized, and Hot-Dip Galvanized After Fabrication. In all cases, the zinc protects the steel first as a sacrificial anode to repair bare areas on cut edges and gouges.

When exposed to air and moisture, zinc forms a tough, adherent protective film consisting of a mixture of zinc oxides, hydroxides, and carbonates. The corrosion resistance of zinc is directly related to its thickness and the environment. For example a 0.2 mil (5 µm) coating will last twice as long as a 0.1 mil (2.5 µm) coating in the same environment.

Electro-Plated Zinc (ASTM B633 SC1 or SC3)

An Electro-Plated process deposits a coating of zinc on the steel by electrolysis from a bath of zinc salts. This coating is pure zinc and adheres to the steel with a molecular bond. A maximum of 0.5 mils (12.7 µm) of zinc can be applied by this method. This coating is recommended for in-door use in relatively dry areas.

Pre-Galvanized Zinc (ASTM A563 Coating Designation G90)

Pre-galvanized zinc is produced by continuously rolling the steel coils or sheets through molten zinc at the steel mills. This is also known as "mill-galvanized" or "hot-dipped mill galvanized". Coils are then slit to size for fabrication of pipe hangers. Coating thicknesses of G90, is 0.90 ounces per square foot (0.27 kg/m^2) of steel surface.

Protection of cut edges with zinc coatings.

Cut edges and welded areas are not zinc coated; however, zinc near the uncoated metal becomes a sacrificial anode which protects the bare areas after a short period of time. Pre-galvanized steel is not generally recommended for use outdoors in industrial environments, but is suitable for extended exposure in dry or mildly corrosive atmospheres.

Hot-Dip Galvanized After Fabrication (ASTM A123)

After a pipe hanger or fitting has been fabricated, it is completely immersed in a bath of molten zinc. A metallurgical bond is formed, resulting in a zinc coating that completely coats all surfaces, including edges. Zinc coatings of this specification have a minimum thickness of 1.50 ounces per square foot (0.45 kg/m^2) on each side or a total of 3.0 ounces per square foot (0.9 kg/m^2) of steel.

Hot-dip galvanized after fabrication is recommended for outdoor exposure. For best results, a zinc rich paint (available from B-Line) should be applied to field cuts. The zinc rich paint will provide immediate protection for field cuts and eliminate the short time period for galvanic action to "heal" the damaged coating.

Plastic Coating

Some products offered by B-Line are plastic or vinyl coated for prevention of galvanic reaction between materials or for noise reduction. These coated products can also be used where contact between glass pipe and hanger is not desirable.

Red Primer

A corrosion resistant metal primer containing rust inhibitive pigments.

Copper Coating

Hangers and supports with this finish are specifically designed for use with copper tubing. Coating is for product size identification only and is not intended for corrosion resistance, Reference MSS SP-58, 13.3.

Dura-Copper® and Dura-Green® Epoxy Coatings

Dura-Copper® and Dura-Green® are water borne epoxy coatings applied to B-Line products by a precisely controlled cathodic electro-deposition process. This process is accomplished using a conveyor to transport parts through several cleaning, phosphatizing and application stages prior to being baked (See diagram below).

This custom designed paint system is used for painting all copper painted hanger parts and all green channel, slotted angle and fittings.

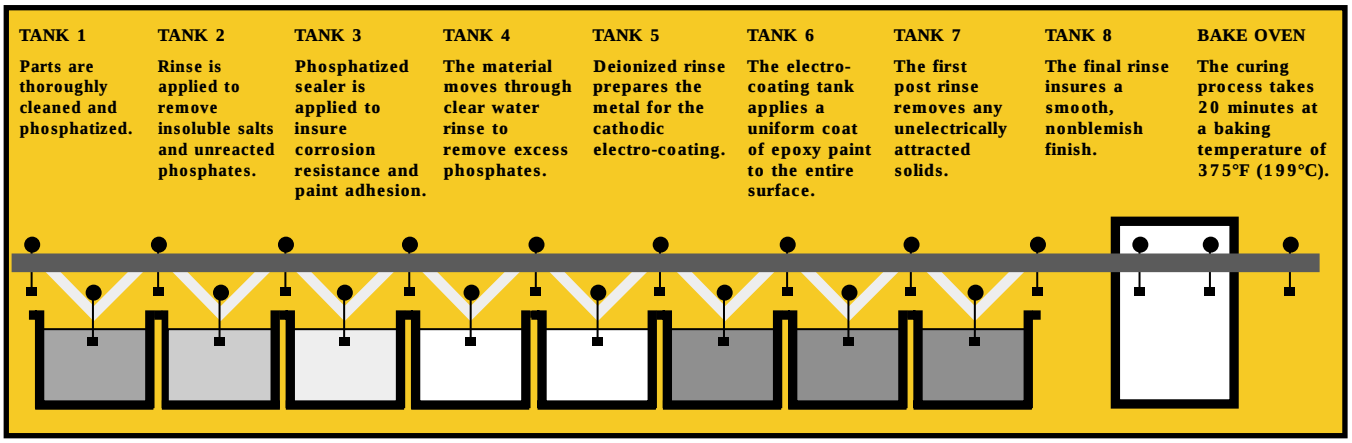
Samples are selected on a routine basis for Salt Spray (fog) testing to verify the quality of the finish. These tests are performed in accordance with ASTM B117-73 and evaluated and rated according to ASTM D1654-79 (Tables 1 & 2). The Dura-Copper® and Dura-Green® Epoxy coatings have been tested and listed by Underwriters Laboratories in accordance with "Standard for Pipe Hanger Equipment for Fire Protection Service, UL203" and meet or exceed all requirements of Federal Specification TT-C-490B Paragraph 3.

The Dura-Copper® and Dura-Green® Epoxy finishes are also approved by Factory Mutual Research for "Pipe Hanger Components for Automatic Sprinkler Systems", class numbers 1951, 1952 and 1953.

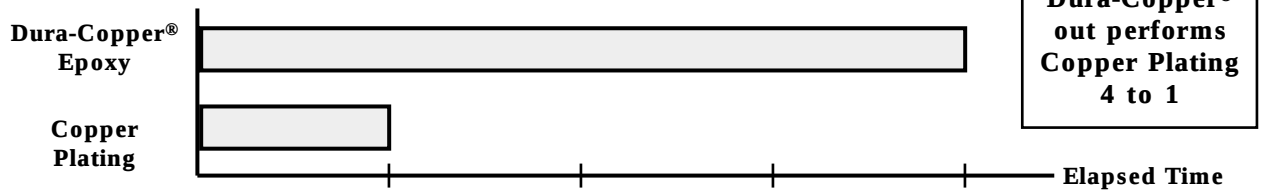
Quality Assurance

B-Line System's Quality Assurance Program has been developed and implemented for compliance to various industry standards and specifications.

DURA-COPPER® & DURA-GREEN® EPOXY COATING PROCESS



SALT SPRAY TEST RESULTS



(1) All salt spray (fog) tests conducted in accordance with ASTM B117-73 and evaluated and rated according to ASTM D1654-79 Tables 1 & 2. Tests were performed and certified by an independent testing laboratory.

GENERAL INFORMATION

Torque

The torque values in this catalog are to be used as a guide only. The relationship between the applied torque or torque wrench reading and the actual tension created in the bolt may be substantially different. Important factors affecting torque-tension relationships include friction under the bolt head or nut, hole tolerances, and torque wrench tolerances. Accuracy of many commercial torque wrenches may vary as much as plus or minus 25%.

Charts and Tables

Charts and tables in this section are compiled from information published by nationally recognized organizations and are intended for use as a guide only. B-Line recommends that users of this information determine the validity of such information as applied to their own applications.

B-Line Systems, Inc. reserves the right to make specification changes without notice.

SECTION 15140 - PIPE HANGERS AND SUPPORTS

Part I - GENERAL

1.01 SECTION INCLUDES

A. The work covered under this section consists of the furnishing of all necessary labor, supervision, materials, equipment, and services to completely execute the pipe hanger and supports as described in this specification.

1.02 REFERENCES

A. ASTM B633 - Specification for Electrodeposited Coatings of Zinc on Iron and Steel.

B. ASTM A123 - Specification for Zinc Hot-Galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars, and Strip.

C. ASTM A653 G90 - Specification for Steel Sheet, Zinc-Coated by the Hot-Dip Process.

D. MSS-SP58 - Manufacturers Standardization Society: Pipe Hangers and Supports - Materials, Design, and Manufacture.

E. MSS-SP69 - Manufacturers Standardization Society: Pipe Hangers and Supports - Selection and Application.

F. NFPA 13 - Standard for the Installation of Sprinkler Systems.

1.03 QUALITY ASSURANCE

A. Hangers and supports used in fire protection piping systems shall be listed and labeled by Underwriters Laboratories.

B. Steel pipe hangers and supports shall have the manufacturers name, part number, and applicable size stamped in the part itself for identification.

C. Hangers and supports shall be designed and manufactured in conformance with MSS-SP58.

D. Supports for sprinkler piping shall be in conformance with NFPA 13.

1.04 SUBMITTALS

A. Submit product data on all hanger and support devices, including shields and attachment methods. Product data to include, but not limited to materials, finishes,approvals, load ratings, and dimensional information.

Part II - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Manufacturer: Subject to compliance with these specifications, pipe hanger and support systems shall be as manufactured by B-Line Systems, Inc.

2.02 PIPE HANGERS AND SUPPORTS

A. Hangers

1. Uninsulated pipes 2 inch and smaller:

a. Adjustable steel swivel ring (band type) hanger, B-Line B3170.

b. Adjustable steel swivel J-hanger, B-Line B3690.

c. Malleable iron ring hanger, B-Line B3198R or hinged ring hanger, B3198H.

d. Malleable iron split-ring hanger with eye socket, B-Line B3173 with B3222.

e. Adjustable steel clevis hanger, B-Line B3104 or B3100.

2. Uninsulated pipes 2 1/2 inch and larger:
   a. Adjustable steel clevis hanger, B-Line B3100.
   b. Pipe roll with sockets, B-Line B3114.
   c. Adjustable steel yoke pipe roll, B-Line B3110.
3. Insulated pipe - Hot or steam piping:
   a. 2 inch and smaller pipes: use adjustable steel clevis with galvanized sheet metal shield. B-Line B3100 with B3151 series.
   b. 2 1/2 inch and larger pipes:
      i. Adjustable steel yoke pipe roll with pipe covering protection saddle. B-Line B3110 with B3160 - B3165 series.
      ii. Pipe roll with sockets with pipe covering protection saddle, B-Line B3114 with B3160 - B3165 series.
4. Insulated pipe - Cold or chilled water piping:
   a. 5 inch and smaller pipes: use adjustable steel clevis with galvanized sheet metal shield. B-Line B3100 with B3151 series.
   b. 6 inch and larger pipes:
      i. Adjustable steel yoke pipe roll with pipe covering protection saddle. B-Line B3110 with B3160 - B3165 series.
      ii. Pipe roll with sockets with pipe covering protection saddle, B-Line B3114 with B3160 - B3165 series.

B. PIPE CLAMPS

1. When flexibility in the hanger assembly is required due to horizontal movement, use pipe clamps with weldless eye nuts, B-Line B3140 or B3142 with B3200. For insulated lines use double bolted pipe clamps, B-Line B3144 or B3146 with B3200.

C. MULTIPLE OR TRAPEZE HANGERS

1. Trapeze hangers shall be constructed from 12 gauge roll formed ASTM A570 Gr. 33 structural steel channel, 1 5/8" x 1 5/8" minimum, B-Line B22 strut or stronger as required.
2. Mount pipes to trapeze with two piece pipe straps sized for outside diameter of pipe, B-Line B2000 series.
3. For pipes subjected to axial movement:
   a. Strut mounted roller support, B-Line B3126. Use pipe protection shield or saddles on insulated lines.
   b. Strut mounted pipe guide, B-Line B2417.

D. WALL SUPPORTS

1. Pipes 4 inch and smaller:
   a. Carbon steel hook, B-Line B3191.
   b. Carbon steel J-hanger, B-Line B3690.
2. Pipes larger than 4 inch:
   a. Welded strut bracket and pipe straps, B-Line B3064 and B2000 series.
   b. Welded steel brackets, B-Line B3066 or B3067, with roller chair or adjustable steel yoke pipe roll. B-Line B3120 or B3110. Use pipe protection shield or saddles on insulated lines.

E. FLOOR SUPPORTS

1. Hot piping under 6 inch and all cold piping:
   a. Carbon steel adjustable pipe saddle and nipple attached to steel base stand sized for pipe elevation. B-Line B3093 and B3088T or B3090 and B3088. Pipe saddle shall be screwed or welded to appropriate base stand.
2. Hot piping 6 inch and larger:
   a. (Adjustable) Roller stand with base plate, B-Line B3117SL (or B3118SL).
   b. Adjustable roller support and steel support sized for elevation. B-Line B3124

F. VERTICAL SUPPORTS

1. Steel riser clamp sized to fit outside diameter of pipe, B3373.

G. COPPER TUBING SUPPORTS

1. Hangers shall be sized to fit copper tubing outside diameters.
   a. Adjustable steel swivel ring (band type) hanger, B-Line B3170CT.
   b. Malleable iron ring hanger, B-Line B3198CT or hinged ring hanger B3198HCT.
   c. Malleable iron split-ring hanger with eye socket, B-Line B3173CT with B3222.
   d. Adjustable steel clevis hanger, B-Line B3104CT.

H. PLASTIC PIPE SUPPORTS

1. V-bottom clevis hanger with galvanized 18 gauge continuous support channel, B-Line B3106 and B3106V, to form a continuous support system for plastic pipe of flexible tubing.

I. SUPPLEMENTARY STRUCTURAL SUPPORTS

1. Design and fabricate supports using structural quality steel bolted framing materials as manufactured by B-Line Systems. Channels shall be roll formed, 12 gauge ASTM A570 Grade 33 steel, $1^{5}/_{8}$" x $1^{5}/_{8}$" or greater as required by loading conditions. Submit designs for pipe tunnels, pipe galleries, etc., to engineer for approval. Use clamps and fittings designed for use with the strut system.

2.04 UPPER ATTACHMENTS

A. BEAM CLAMPS

1. Beam clamps shall be used where piping is to be suspended from building steel. Clamp type shall be selected on the basis of load to be supported, and load configuration.
2. C-Clamps shall have locknuts and cup point set screws. B-Line B351L, or B3036L. Top flange c-clamps shall be used when attaching a hanger rod to the top flange of structural shapes, B-Line B3034 or B3033. Refer to manufacturers recommendation for setscrew torque. Retaining straps shall be used to maintain the clamps position on the beam where required.
3. Center loaded beam clamps shall be used where specified. Steel clamps shall be B-Line B3050 or B3055. Malleable iron or forged steel beam clamps with cross bolt shall be B-Line B3054 or B3291 - B3297 series as required to fit beams.

B. CONCRETE INSERTS

1. Cast in place spot concrete inserts shall be used where applicable, either steel or malleable iron body, B-Line B2500 or B3014. Spot inserts shall allow for lateral adjustment and have means for attachment to forms. Select inserts to suit threaded hanger rod sizes, B-Line N2500 or B3014N series.

2. Continuous concrete inserts shall be used where applicable. Channels shall be 12 gauge, ASTM A570 Grade 33 structural quality carbon steel, complete with styrofoam inserts and end caps with nail holes for attachment to forms. The continuous concrete insert shall have a load rating of 2,000 lbs/ft. in concrete, B-Line B22I, B32I, or B52I. Select channel nuts suitable for strut and rod sizes.

2.05 VIBRATION ISOLATION AND SUPPORTS

A. For refrigeration, air conditioning, hydraulic, pneumatic, and other vibrating system applications, use a clamp that has a vibration dampening insert and a nylon inserted locknut. For copper and steel tubing use B-Line BVT series VibraClamps, for pipe sizes use BVP series.

B. For larger tubing or piping subjected to vibration, use neoprene or spring hangers as required.

C. For base mounted equipment use vibration pads, molded neoprene mounts, or spring as required.

D. Vibration isolation products as manufactured by B-Line, VibraTrol systems.

2.06 ACCESSORIES

A. Hanger rods shall be threaded both ends, or continuous threaded rods of circular cross section. Use adjusting locknuts at upper attachments and hangers. No wire, chain, or perforated straps are allowed.

B. Shields shall be 180° galvanized sheet metal, 12 inch minimum length, 18 gauge minimum thickness, designed to match outside diameter of the insulated pipe, B-Line B3151.

C. Pipe protection saddles shall be formed from carbon steel, 1/8 inch minimum thickness, sized for insulation thickness. Saddles for pipe sizes greater than 12 inch shall have a center support rib.

2.07 FINISHES

INDOOR FINISHES

A. Hangers and clamps for support of bare copper piping shall be coated with copper colored epoxy paint, B-Line Dura-Copper. Additional PVC coating of the epoxy painted hanger shall be used where necessary.

B. Hangers for other than bare copper pipe shall be zinc plated in accordance with ASTM B633 - SC3 OR shall have an electro-deposited green epoxy finish, B-Line Dura-Green.

C. Strut channels shall be pre-galvanized in accordance with ASTM A653 G90 OR have an electro-deposited green epoxy finish, B-Line Dura-Green.

OUTDOOR AND CORROSIVE AREA FINISHES

D. Hangers and strut located outdoors shall be hot dip galvanized after fabrication in accordance with ASTM A123. All hanger hardware shall be hot dip galvanized or stainless steel. Zinc plated hardware is not acceptable for outdoor or corrosive use.

E. Hangers and strut located in corrosive areas shall be type 304 (316) stainless steel with stainless steel hardware.

Part III - EXECUTION

3.01 PIPE HANGERS AND SUPPORTS

A. Pipe shall be adequately supported by pipe hanger and supports specified in PART II - PRODUCTS. Hangers for insulated pipes shall be sized to accommodate insulation thickness.

B. Horizontal steel piping shall be supported in accordance with MSS SP-69 Tables 3 and 4, excerpts of which follow below:

NOMINAL PIPE SIZE	ROD DIAMETER	MAXIMUM SPACING
1/2" - 1 1/4"	3/8"	7'-0"
1 1/2"	3/8"	9'-0"
2"	3/8"	10'-0"
2 1/2"	1/2"	11'-0"
3"	1/2"	12'-0"
3 1/2"	1/2"	13'-0"
4"	5/8"	14'-0"
5"	5/8"	16'-0"
6"	3/4"	17'-0"
8"	3/4"	19'-0"
10"	7/8"	22'-0"
12"	7/8"	23'-0"
14"	1"	25'-0"
16"	1"	27'-0"

C. Horizontal copper tubing shall be supported in accordance with MSS SP-69 Tables 3 and 4, excerpts of which follow below:

NOMINAL PIPE SIZE	ROD DIAMETER	MAXIMUM SPACING
1/2" - 3/4"	3/8"	5'-0"
1"	3/8"	6'-0"
1 1/4"	3/8"	7'-0"
1 1/2"	3/8"	8'-0"
2"	3/8"	8'-0"
2 1/2"	1/2"	9'-0"
3"	1/2"	10'-0"
3 1/2"	1/2"	11'-0"
4"	1/2"	12'-0"
5"	1/2"	13'-0"
6"	5/8"	14'-0"
8"	3/4"	16'-0"

D. Provide means of preventing dissimilar metal contact such as plastic coated hangers, copper colored epoxy paint, or non adhesive isolation tape (B-Line Iso-Pipe). Galvanized felt isolators sized for copper tubing may also be used, B-Line B3195CT.

E. Support horizontal cast iron adjacent to each hub, with 5 feet maximum spacing between hangers.

F. Install hangers to provide a minimum of 1/2 inch space between finished covering and adjacent work.

G. Place a hanger within 12 inches of each horizontal elbow.

H. Support vertical piping independently of connected horizontal piping. Support vertical pipes at every (other) floor. Wherever possible, locate riser clamps directly below pipe couplings or shear lugs.

I. Where several pipes can be installed in parallel and at the same elevation, provide trapeze hangers as specified in section 2.02 C. Trapeze hangers shall be spaced according to the smallest pipe size, or install intermediate supports according to schedule in section 3.01 B.

J. Do not support piping from other pipes, ductwork or other equipment which is not building structure.

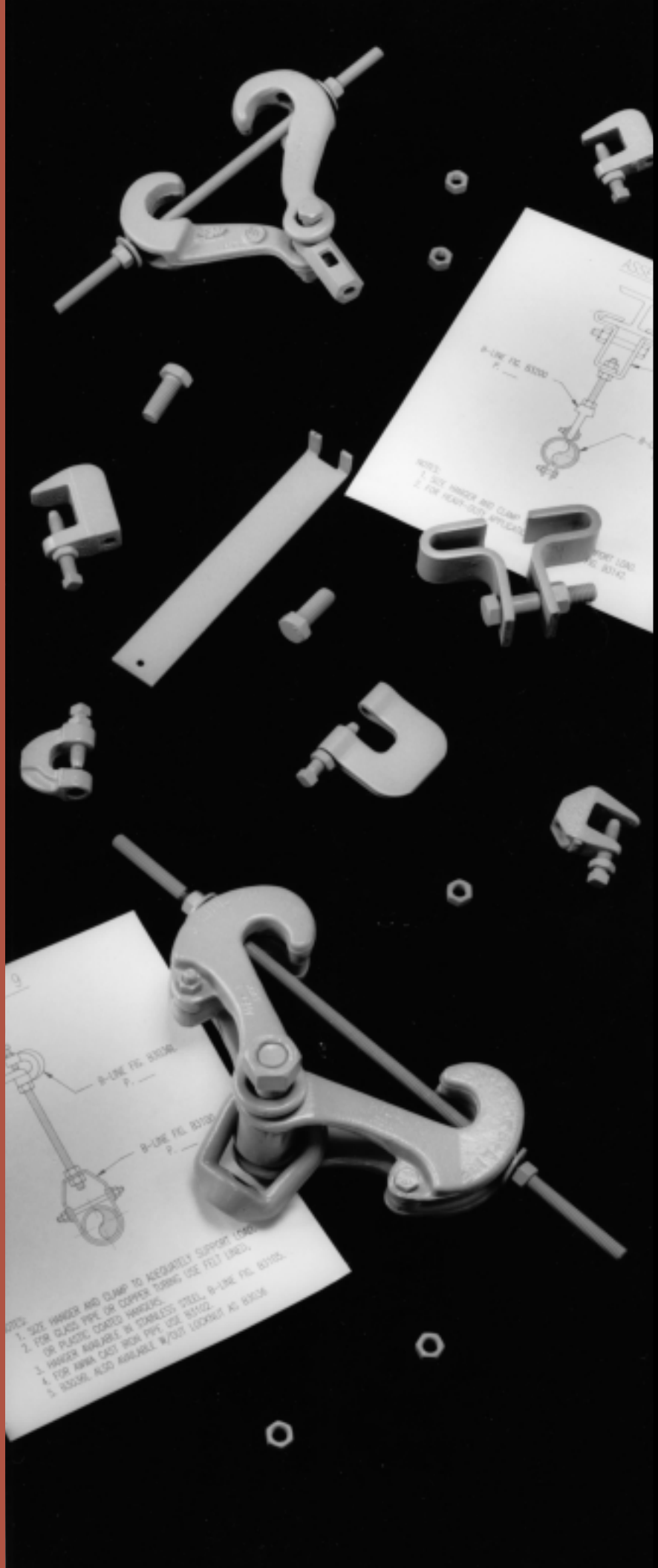
3.02 CONCRETE INSERTS

A. Provide inserts for placement in formwork before concrete is poured.

B. Provide inserts for suspending hangers from reinforced concrete slabs and sides of reinforced concrete beams.

C. Where concrete slabs form finished ceilings, provide inserts to be flush with slab surface.

D. Provide hooked rod to concrete reinforcement section for inserts carrying pipe over 4 inch.



BEAM CLAMPS

Beam clamps offered in this section are designed to provide attachment of hanger rods to structural members without drilling or welding. A wide range of types and sizes are available for various applications.

Materials

Carbon Steel, Malleable Iron and Forged Steel are used in the manufacturing of beam clamps and accessories. Stainless steel and other materials are available.

Finishes

The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating and Dura-Green®. Other special coatings are available upon request.

Note: Due to the design of some products, (threads, connecting hardware, swivels, etc.) items may or may not be uniformly coated with special finishes. In some cases, the hanger itself may be coated, however, the hardware may be supplied Electro-Plated, copper plated, or in stainless steel.

Recommended Torque

(for setscrews)

Over torqued setscrews will damage beam clamps in this section.

We are aware that torque wrenches are not used or not available in many instances. In the absence of a torque wrench, the setscrew should be finger tightened to the I-beam and then an additional 1/4 to 1/2 turn applied to the setscrew.

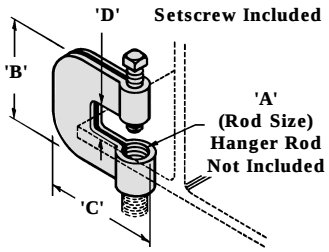
Setscrew Size	1/4"-20	3/8"-16	1/2"-13	5/8"-11	3/4"-10
Foot-Lbs.	4	5	11	21	34
Nm	(5)	(7)	(15)	(28)	(46)

Approvals (as noted)

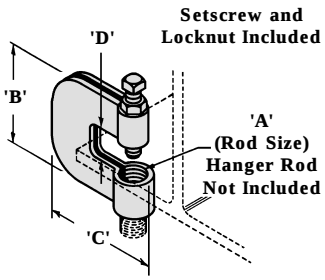
Items in this section are Underwriters' Laboratories Listed, Factory Mutual Approved, comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 & SP-58.

B-Line®

B351



B351L



Material: Steel (Stainless Steel Type 304 available 3/8" thru 5/8" rod sizes)

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to the flange of a beam. B351L furnished with locknut.

Ordering: Specify part number and finish. When Retaining Strap is required, order B3362 thru B3365 separately. See page 26.

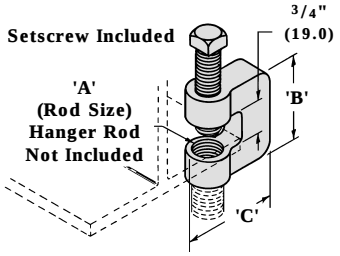
Approvals: B351L only, is Underwriters' Laboratories Listed and Factory Mutual Approved. Complies with Federal Specification WW-H-171E Type 23 and Manufacturers' Standardization Society SP-69 & SP-58 Type 23. Maximum pipe size 4" (100).

Figure B351 Steel C-Clamp
Figure B351L Steel C-Clamp With Locknut

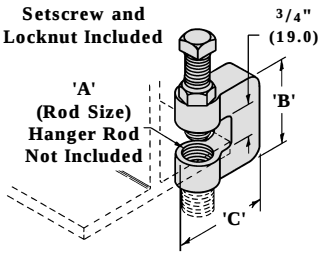
Part No. Without Locknut	Part No. With Locknut	Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	Design Load kN	Wt./C B351 Lbs.	Wt./C B351 kg	Wt./C B351L Lbs.	Wt./C B351L kg
B351-3/8	B351L-3/8	3/8"-16	2 3/8"	(60.3)	2 3/8"	(60.3)	3/4"	(19.0)	230	(1.78)	40	(18.1)	41	(18.6)
B351-1/2	B351L-1/2	1/2"-13	2 3/8"	(60.3)	2 3/8"	(60.3)	3/4"	(19.0)	380	(2.22)	40	(18.1)	41	(18.6)
B351-5/8	B351L-5/8	5/8"-11	2 3/8"	(60.3)	2 1/4"	(57.1)	3/4"	(19.0)	550	(2.44)	58	(26.3)	60	(27.2)
B351-3/4	B351L-3/4	3/4"-10	2 3/8"	(60.3)	2 1/4"	(57.1)	3/4"	(19.0)	630	(2.80)	66	(29.9)	71	(32.2)
B351-7/8	B351L-7/8	7/8"-9	3"	(76.2)	3 1/4"	(82.5)	1"	(25.4)	1200	(5.34)	178	(80.7)	184	(83.4)

Note: See page 24 for recommended setscrew torque.

B3036



B3036L



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to the flange of a beam. B3036L furnished with locknut.

Ordering: Specify part number and finish. When Retaining Strap is required, order B3362 thru B3365 separately. See page 26.

Approvals: B3036L only, is Underwriters' Laboratories Listed and Factory Mutual Approved. Complies with Federal Specification WW-H-171E Type 23 and Manufacturers' Standardization Society SP-69 & SP-58 Type 23.

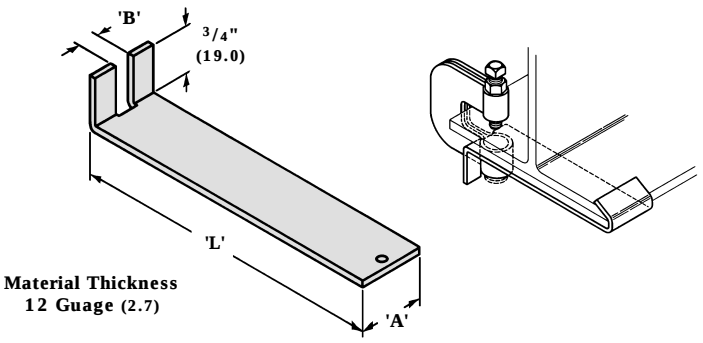
Figure B3036 Malleable Iron C-Clamp
Figure B3036L Malleable Iron C-Clamp With Locknut

Part No. Without Locknut	Part No. With Locknut	Rod Size 'A'	'B'		'C'		Design Load Lbs.	Design Load kN	Wt./C B3036 Lbs.	Wt./C B3036 kg	Wt./C B3036L Lbs.	Wt./C B3036L kg
B3036-3/8	B3036L-3/8	3/8"-16	1 3/4"	(44.4)	1 3/4"	(44.4)	400	(1.78)	28	(12.7)	29	(13.1)
B3036-1/2	B3036L-1/2	1/2"-13	1 3/4"	(44.4)	1 3/4"	(44.4)	400	(1.78)	27	(12.2)	28	(12.7)
B3036-5/8	B3036L-5/8	5/8"-11	2"	(50.8)	1 7/8"	(47.6)	450	(2.00)	53	(24.0)	55	(24.9)
B3036-3/4	B3036L-3/4	3/4"-10	2"	(50.8)	2"	(50.8)	500	(2.22)	67	(30.4)	72	(32.6)

Note: See page 24 for recommended setscrew torque.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

BEAM CLAMPS



Material: Steel (Stainless Steel available)

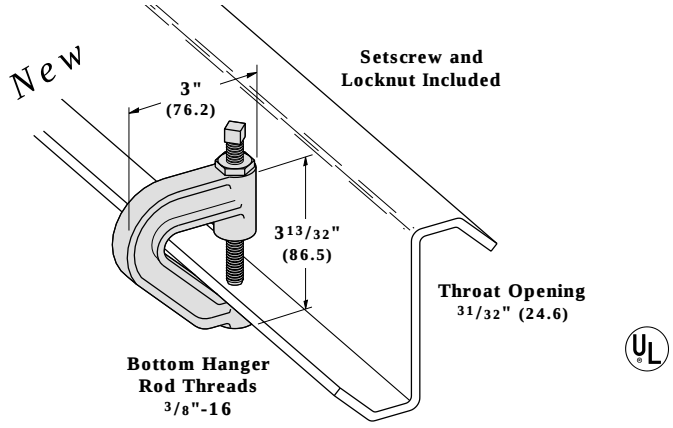
Standard Finish: Plain or Electro-Plated

Service: Designed for use with B351, B351L, B3036, and B3036L C-Clamps.

Ordering: Specify part number, length 'L', (add 1" (25.4) minimum to flange width), and finish.

Figure B3362, B3363, B3364, B3365 Retaining Strap

Part No.	For Use With	'A'		'B'		Wt./C for Length 'L' of 6" (152.4) Lbs.	kg	8" (203.2) Lbs.	kg	10" (254.0) Lbs.	kg	12" (304.8) Lbs.	kg
B3362	B351-3/8 & 1/2	1 1/4"	(31.7)	7/16"	(11.1)	27	(12.2)	35	(15.9)	44	(19.9)	52	(23.6)
B3363	B351-5/8 & 3/4, B3036-3/8 & 1/2	1 1/4"	(31.7)	5/8"	(15.9)	26	(11.8)	35	(15.9)	43	(19.5)	52	(23.6)
B3364	B3036-5/8 & 3/4	1 1/4"	(31.7)	11/16"	(17.4)	26	(11.8)	35	(15.9)	43	(19.5)	52	(23.6)
B3365	B351-7/8	1 1/2"	(38.1)	3/4"	(19.0)	32	(14.5)	42	(19.0)	52	(23.6)	62	(28.1)



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a 3/8"-16 hanger rod to the bottom flange of a Z-purlin.

Ordering: Specify part number and finish.

Weight: Wt./C 90 Lbs. (40.8 kg)

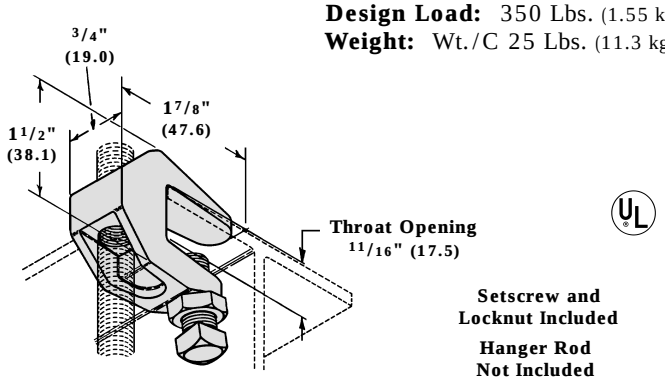
Design Load: 500 Lbs. (2.22 kN)

Approvals: Underwriters' Laboratories Listed. Complies with Federal Specification WW-H-171E Type 23 and Manufacturers' Standardization Society SP-69 & SP-58 Type 19.

Figure B3037 Z-Purlin Malleable C-Clamp

Note: See page 24 for recommended setscrew torque.

Design Load: 350 Lbs. (1.55 kN)
Weight: Wt./C 25 Lbs. (11.3 kg)



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a 3/8"-16 hanger rod to the top or bottom flange of a beam or bar joist.

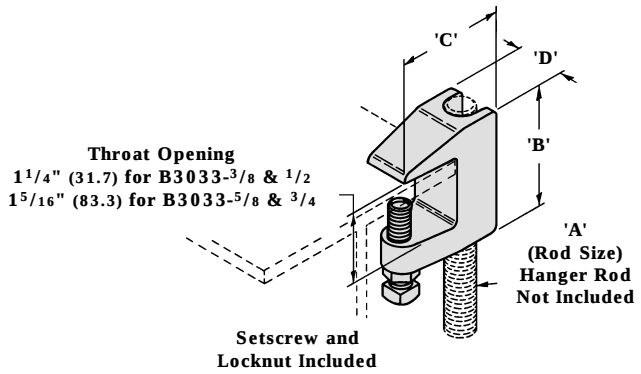
Ordering: Specify part number and finish. When Retaining Strap is required, order B3367 separately. See Page 28.

Approvals: Underwriters' Laboratories Listed. Complies with Federal Specification WW-H-171E Type 23 and Manufacturers' Standardization Society SP-69 & SP-58 Type 19.

Figure B3031-3/8 Light Duty Malleable C-Clamp

Note: See page 24 for recommended setscrew torque.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to the top flange of a bar joist or other structural shapes.

Note: Installation of C-Clamp other than shown is not recommended.

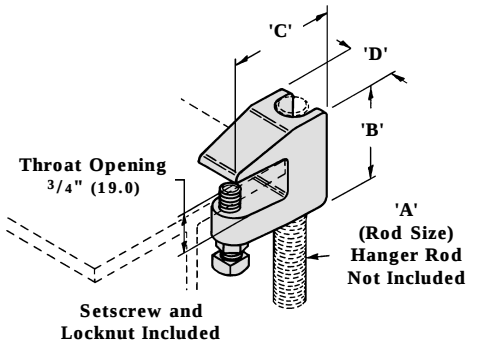
Ordering: Specify part number and finish. When Retaining Strap is required, order B3367 separately. See page 28.

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved. Complies with Manufacturers' Standardization Society SP-69 & SP-58 Type 19.

Figure B3033 Wide Jaw Top Flange C-Clamp

Part No.	Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3033-3/8	3/8"-16	2 1/8"	(54.0)	1 15/16"	(49.2)	1"	(25.4)	500	(2.22)	54	(24.5)
B3033-1/2	1/2"-13	2 1/8"	(54.0)	1 15/16"	(49.2)	1"	(25.4)	700	(3.11)	51	(23.1)
B3033-5/8	5/8"-11	2 1/4"	(57.1)	2 3/16"	(55.5)	1 3/16"	(30.1)	900	(4.00)	70	(31.7)
B3033-3/4	3/4"-10	2 1/2"	(63.5)	2 7/16"	(61.9)	1 1/4"	(31.7)	900	(4.00)	98	(44.4)

Note: See page 24 for recommended setscrew torque.



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to the top flange of a bar joist or other structural shapes.

Note: Installation of C-Clamp other than shown is not recommended.

Ordering: Specify part number and finish. When Retaining Strap is required, order B3367 separately. See page 28.

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved. Complies with Manufacturers' Standardization Society SP-69 & SP-58 Type 19.

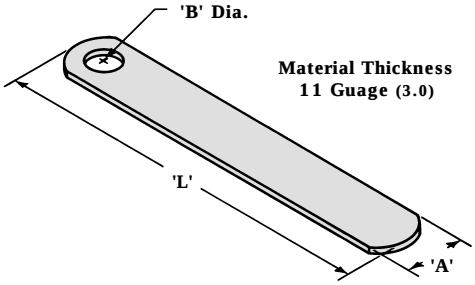
Figure B3034 Top Flange C-Clamp

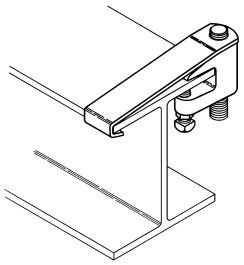
Part No.	Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3034-3/8	3/8"-16	1 7/16"	(36.5)	1 3/4"	(44.4)	3/4"	(19.0)	400	(1.78)	30	(13.6)
B3034-1/2	1/2"-13	1 5/8"	(41.3)	1 7/8"	(47.6)	1"	(25.4)	700	(3.11)	47	(21.3)

Note: See page 24 for recommended setscrew torque.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

BEAM CLAMPS





Material: Steel

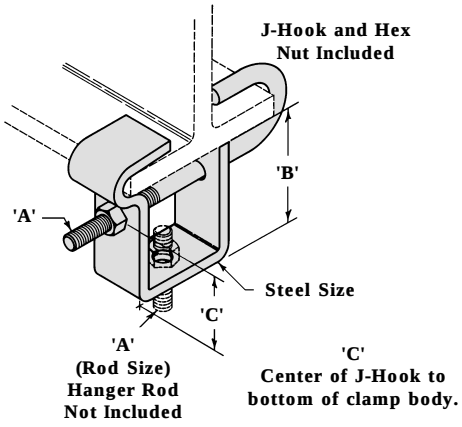
Standard Finish: Plain or Electro-Plated

Service: Designed for use with B3031, B3033, and B3034 C-Clamps.

Ordering: Specify part number, length 'L', (add 2" (50.8) minimum to flange width), and finish.

Figure B3367 Retaining Strap

Part No.	For Use With	'A'		'B'		Wt./C for Length 'L' of 6" (152.4) Lbs.	kg	8" (203.2) Lbs.	kg	10" (254.0) Lbs.	kg	12" (304.8) Lbs.	kg
B3367-3/8	B3033-3/8 & B3034-3/8	1 1/4"	(31.7)	7/16"	(11.1)	26	(11.8)	35	(15.9)	44	(19.9)	61	(27.6)
B3367-1/2	B3033-1/2 & B3034-1/2	1 1/4"	(31.7)	9/16"	(14.3)	25	(11.3)	34	(15.4)	43	(19.5)	60	(27.2)
B3367-5/8	B3033-5/8	1 1/4"	(31.7)	11/16"	(17.5)	24	(10.9)	33	(14.9)	42	(19.0)	59	(26.7)
B3367-3/4	B3033-3/4	1 1/4"	(31.7)	13/16"	(20.6)	23	(10.4)	32	(14.5)	41	(18.6)	58	(26.3)



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching rod under a beam flange. Adjustable for 4" (101.6) to 8" (203.2) flange widths. Maximum flange thickness 3/4" (19.0).

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 54 and Manufacturers' Standardization Society SP-69 & SP-58 Type 27.

Figure B3040 Adjustable Beam Clamp

Part No.	Rod Size 'A'	'B'		'C'		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3040-3/8	3/8"-16	2 3/4"	(69.8)	1 13/16"	(46.0)	1/4" x 1 1/4"	(6.3 x 31.7)	300	(1.33)	120	(54.4)
B3040-1/2	1/2"-13	2 3/4"	(69.8)	1 3/4"	(44.4)	1/4" x 1 1/2"	(6.3 x 38.1)	700	(3.11)	160	(72.6)
B3040-5/8	5/8"-11	3"	(76.2)	1 3/4"	(44.4)	1/4" x 1 3/4"	(6.3 x 44.4)	1000	(4.45)	216	(98.0)
B3040-3/4	3/4"-10	3 3/8"	(85.7)	1 7/8"	(47.6)	3/8" x 2 1/2"	(9.5 x 63.5)	1800	(8.00)	442	(200.5)

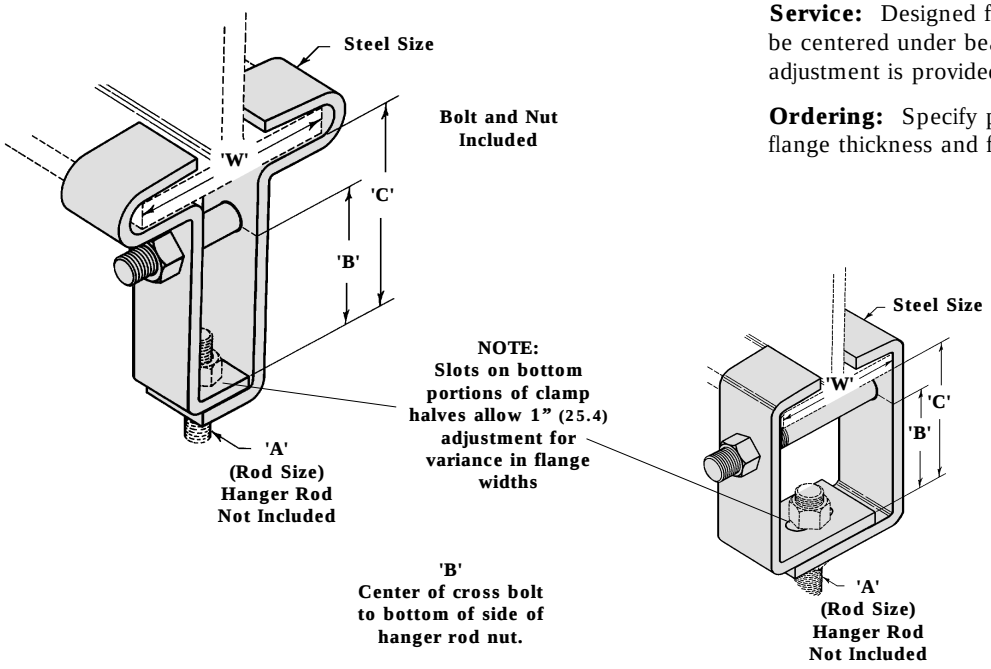
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to be centered under beam flanges. 2" (50.8) vertical adjustment is provided in the clamp.

Ordering: Specify part number, flange width, flange thickness and finish.



Note:
Box Style Furnished For

- B3055-3/8 x 2"
- B3055-3/8 x 3"
- B3055-3/8 x 4"
- B3055-1/2 x 2"
- B3055-1/2 x 3"
- B3055-1/2 x 4"
- B3055-5/8 x 2"
- B3055-5/8 x 3"
- B3055-5/8 x 4"
- B3055-3/4 x 2"
- B3055-3/4 x 3"
- B3055-3/4 x 4"
- B3055-7/8 x 3"
- B3055-7/8 x 4"
- B3055-7/8 x 5"
- B3055-1 x 3"
- B3055-1 x 4"
- B3055-1 x 5"
- B3055-1 x 6"
- B3055-1 1/8 x 4"
- B3055-1 1/8 x 5"
- B3055-1 1/8 x 6"
- B3055-1 1/8 x 7"
- B3055-1 1/4 x 4"
- B3055-1 1/4 x 5"
- B3055-1 1/4 x 6"
- B3055-1 1/4 x 7"

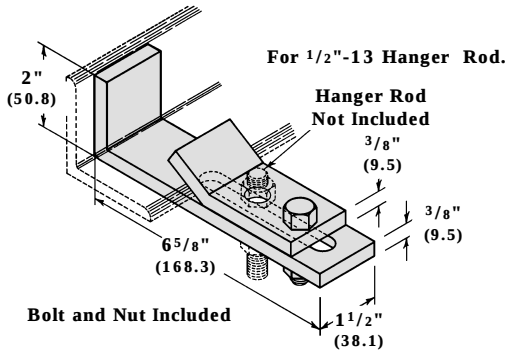
Figure B3055 Steel Beam Clamp

Part No.	Rod Size 'A'	'B'		'C'		Steel Size		Design Load Lbs.	Design Load kN
B3055-3/8	3/8"-16	3"	(76.2)	4"	(101.6)	1/4" x 1 1/4"	(6.3 x 31.7)	550	(2.44)
B3055-1/2	1/2"-13	3"	(76.2)	4"	(101.6)	1/4" x 1 1/2"	(6.3 x 38.1)	850	(3.78)
B3055-5/8	5/8"-11	3 1/4"	(82.5)	4 1/2"	(114.3)	3/8" x 1 1/2"	(9.5 x 38.1)	1100	(4.89)
B3055-3/4	3/4"-10	3 1/4"	(82.5)	4 1/2"	(114.3)	3/8" x 2"	(9.5 x 50.8)	1500	(6.67)
B3055-7/8	7/8"-9	3 1/2"	(88.9)	5"	(127.0)	1/2" x 2"	(12.7 x 50.8)	2600	(11.56)
B3055-1	1"-8	3 1/2"	(88.9)	5 1/2"	(139.7)	1/2" x 2 1/2"	(12.7 x 63.5)	4300	(19.12)
B3055-1 1/8	1 1/8"-7	3 1/2"	(88.9)	5 1/2"	(139.7)	5/8" x 3"	(15.9 x 76.2)	6100	(27.13)
B3055-1 1/4	1 1/4"-7	3 1/2"	(88.9)	5 1/2"	(139.7)	5/8" x 4"	(15.9 x 101.6)	8000	(35.58)

Flange Width 'W'		Approximate Wt./C For Beam Clamp Size Lbs. (kg)															
		B3055-3/8"		B3055-1/2"		B3055-5/8"		B3055-3/4"		B3055-7/8"		B3055-1"		B3055-1 1/8"		B3055-1 1/4"	
4"	(101.6)	168	(76.2)	201	(91.2)	328	(148.8)	434	(196.8)	657	(298.0)	797	(361.5)	1446	(655.9)	1876	(850.9)
5"	(127.0)	181	(82.1)	217	(98.4)	352	(159.6)	466	(211.4)	667	(302.5)	824	(373.7)	1369	(621.0)	1817	(842.2)
6"	(152.4)	193	(87.5)	231	(104.8)	373	(169.2)	495	(224.5)	705	(319.8)	877	(397.8)	1374	(623.2)	1845	(836.9)
7"	(177.8)	205	(93.0)	246	(111.6)	395	(179.2)	525	(238.1)	744	(337.5)	926	(420.0)	1507	(683.6)	1982	(899.0)
8"	(203.2)	214	(97.1)	256	(116.1)	411	(186.4)	546	(247.6)	773	(350.6)	962	(436.3)	1560	(707.6)	2036	(923.5)
10"	(254.0)	235	(106.6)	282	(127.9)	449	(203.6)	596	(270.3)	840	(381.0)	1046	(474.4)	1686	(764.7)	2221	(1007.4)
12"	(304.8)	259	(117.5)	311	(141.0)	493	(223.6)	655	(297.1)	918	(416.4)	1143	(518.4)	1832	(831.0)	2418	(1096.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

BEAM CLAMPS



Material: Steel

Standard Finish: Plain or Electro-Plated

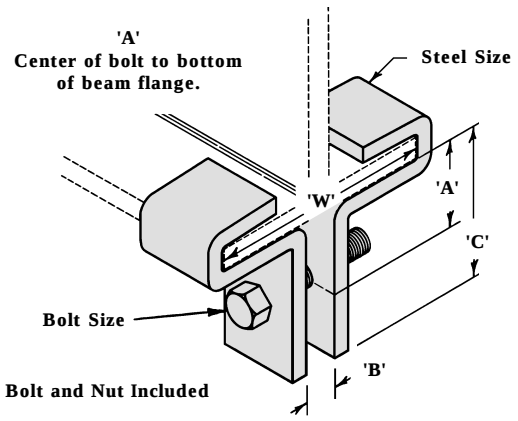
Service: Designed for attaching 1/2"-13 rod from structural angles with legs up to 3" (76.2) long and 3/8" (9.5) thick.

Note: Installation of Beam Clamp other than shown is not recommended.

Ordering: Specify part number, flange width and finish.

Weight: Wt./C 181 Lbs. (82.1kg)

Figure B3046 Angle Iron Beam Clamp



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching hanger rods centered under beam flanges. Recommended to use with B3200 Series up to size 1 1/2" (38.1).

Ordering: Specify part number, flange width, and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 21 and Manufacturers' Standardization Society SP-69 & SP-58 Type 21.

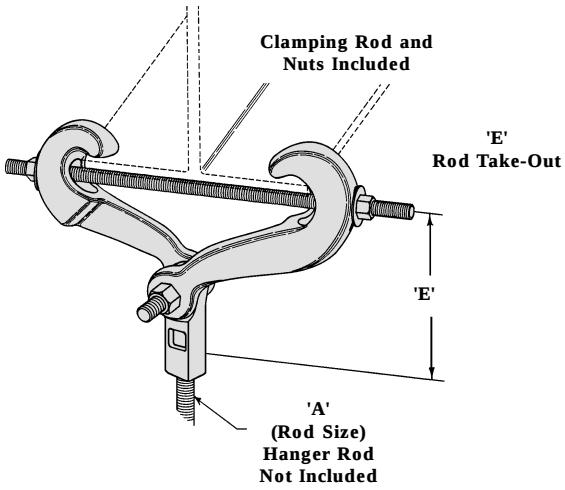
Part Number
Example: B3050-2 x 'W' finish

Figure B3050 Beam Clamp

Part No. & Size	Bolt Size	'A'		'B' Minimum		'C'		Steel Size		Design Load Lbs.	kN
B3050-2	1/2"-13	1 3/8"	(34.9)	5/8"	(15.9)	2 1/8"	(54.0)	1/4" x 1 1/4"	(6.3 x 31.7)	1000	(3.11)
B3050-5	3/4"-10	1 7/8"	(47.6)	7/8"	(22.2)	3"	(76.2)	1/2" x 2"	(12.7 x 50.8)	3000	(6.67)
B3050-7	1 1/8"-7	2 1/2"	(63.5)	1 1/8"	(28.6)	4 1/4"	(108.0)	5/8" x 4"	(15.9 x 101.6)	5000	(22.24)

Flange Width 'W'		Flange Thickness Min.		Flange Thickness Max.		Wt./C For Beam Clamp Size Lbs. (kg) 2		5		7	
3"	(76.2)	1/4"	(6.3)	3/8"	(9.5)	103	(46.7)	--	--	--	--
4"	(101.6)	3/16"	(4.8)	1/2"	(12.7)	116	(52.6)	429	(194.6)	--	--
5"	(127.0)	5/16"	(7.9)	5/8"	(15.9)	125	(56.7)	458	(207.8)	1419	(643.7)
6"	(152.4)	1/4"	(6.3)	3/4"	(19.0)	134	(60.8)	486	(220.5)	1490	(675.9)
7"	(177.8)	7/16"	(11.1)	7/8"	(22.2)	143	(64.9)	514	(233.2)	1561	(708.1)
8"	(203.2)	7/16"	(11.1)	7/8"	(22.2)	152	(69.0)	543	(246.3)	1632	(740.3)
9"	(228.6)	9/16"	(14.3)	1"	(25.4)	160	(72.6)	571	(259.0)	1702	(772.0)
10"	(254.0)	5/8"	(15.9)	1"	(25.4)	169	(76.7)	599	(271.8)	1773	(804.2)
12"	(304.8)	5/8"	(15.9)	1 1/4"	(31.7)	187	(84.8)	656	(297.6)	1915	(868.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to the bottom flange of a beam. Adjustable for flange widths of 3" (76.2) to 7" (177.8) and a flange thickness of no greater than 5/8" (15.9).

Ordering: Specify part number and finish

Approvals: Underwriters' Laboratories Listed. Complies with Federal Specification WW-H-171E Type 30 and Manufacturers' Standardization Society SP-69 & SP-58 Type 30.

Figure B3054 Malleable Iron Beam Clamp

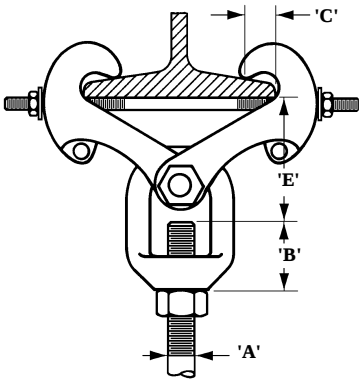
(Available without extension piece as B3054).

Part No.	'A' Rod Size	Rod Take Out 'E' For Beam Flange Width Of									
		3"	(76.2)	4"	(101.6)	5"	(127.0)	6"	(152.4)	7"	(177.8)
B3054-3/8	3/8"-16	4 11/16"	(119.1)	4 9/16"	(115.9)	4 5/8"	(117.5)	4"	(101.6)	3 1/8"	(79.4)
B3054-1/2	1/2"-13	4 13/16"	(122.2)	4 1/2"	(114.3)	4 5/16"	(109.5)	3 15/16"	(100.0)	3 1/4"	(82.5)
B3054-5/8	5/8"-11	4 7/8"	(123.8)	4 5/8"	(117.5)	4 3/8"	(111.1)	3 3/4"	(95.2)	3 5/16"	(84.1)
B3054-3/4	3/4"-10	5 1/8"	(130.2)	5"	(127.0)	4 5/8"	(117.5)	4 1/4"	(107.9)	3 3/4"	(95.2)
B3054-7/8	7/8"-9	5 3/16"	(131.8)	4 7/8"	(123.8)	4 11/16"	(119.1)	4 5/16"	(109.5)	3 3/4"	(95.2)

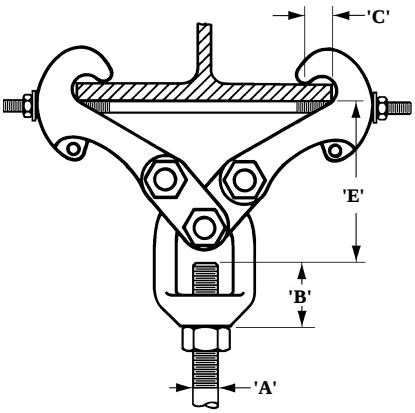
Part No.	Design Load		Wt./C	
	Lbs.	kN	Lbs.	kg
B3054-3/8	610	(2.71)	236	(107.0)
B3054-1/2	1130	(5.03)	254	(115.2)
B3054-5/8	1365	(6.07)	260	(117.9)
B3054-3/4	1365	(6.07)	278	(126.1)
B3054-7/8	1365	(6.07)	292	(132.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

BEAM CLAMPS



Without Links



With Links

Material: Forged Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to the bottom flange of a beam. Adjustable from flange widths of 3" (76.2) to 15" (381.0). and flange thickness of no greater than $1^{1}/_{32}$" (26.2).

Ordering: Specify part number, rod size and finish.

Approvals: Complies with Federal Specification WW-H-171E (Type 28 without links; Type 29 with links,) and MSS SP-69 & SP-58 (Type 28 without links; Type 29 with links).

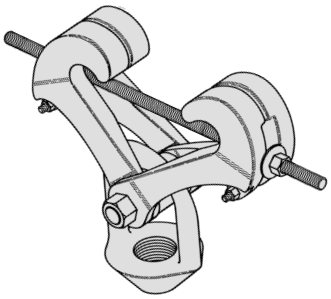


Figure B3291, B3292, B3294, B3295, B3296, B3297, B3298 UFS Beam Clamp With Weldless Eye Nut

Part No. * Rod Size	Maximum Beam Flange Thickness In.	mm	Rod Size 'A' (Specify) *	'B'		'C'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3291-*	.60	(15.2)	$^{3}/_{8}$"-16, $^{1}/_{2}$"-13, $^{5}/_{8}$"-11, $^{3}/_{4}$"-10	$1^{1}/_{4}$"	(31.7)	$1^{1}/_{8}$"	(28.6)	2710	(12.05)	390	(176.9)
B3292-*	.60	(15.2)	$^{7}/_{8}$"-9, 1"-8	$1^{11}/_{16}$"	(42.9)	$1^{1}/_{8}$"	(28.6)	4960	(22.06)	915	(415.0)
B3293-* Δ	.60	(15.2)	$^{7}/_{8}$"-9, 1"-8	$1^{11}/_{16}$"	(42.9)	$1^{1}/_{8}$"	(28.6)	4960	(22.06)	1300	(589.6)
B3294-*	1.031	(26.2)	$^{7}/_{8}$"-9, 1"-8	$1^{1}/_{2}$"	(38.1)	$1^{1}/_{8}$"	(28.6)	4960	(22.06)	2165	(982.0)
B3295-* Δ	1.031	(26.2)	$^{7}/_{8}$"-9, 1"-8	$1^{1}/_{2}$"	(38.1)	$1^{1}/_{8}$"	(28.6)	4960	(22.06)	3385	(1535.4)
B3296-*	1.031	(26.2)	$1^{1}/_{8}$"-7, $1^{1}/_{4}$"-7, $1^{1}/_{2}$"-6	$2^{1}/_{8}$"	(54.0)	$1^{1}/_{8}$"	(28.6)	11500	(51.15)	2390	(1084.1)
B3297-* Δ	1.031	(26.2)	$1^{1}/_{8}$"-7, $1^{1}/_{4}$"-7, $1^{1}/_{2}$"-6	$2^{1}/_{8}$"	(54.0)	$1^{1}/_{8}$"	(28.6)	11500	(51.15)	3575	(1621.6)
B3298-*	1.031	(26.2)	$1^{3}/_{4}$"-5, 2"-$4^{1}/_{2}$	$4^{9}/_{16}$"	(115.9)	$1^{1}/_{8}$"	(28.6)	11500	(51.15)	3675	(1666.9)

Part No.	'E' Rod Take-Out For Flange Width 3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"
B3291-*	$4^{1}/_{2}$"	$5^{5}/_{16}$"	$4^{1}/_{16}$"	$3^{5}/_{8}$"	$2^{7}/_{8}$"	--	--	--	--	--	--	--	--
B3292-*	--	$4^{3}/_{4}$"	$4^{7}/_{16}$"	$4^{1}/_{16}$"	$3^{3}/_{8}$"	--	--	--	--	--	--	--	--
B3293-* Δ	--	--	--	--	$5^{15}/_{16}$"	6"	$5^{5}/_{16}$"	5"	--	--	--	--	--
B3294-*	--	$6^{13}/_{16}$"	$6^{5}/_{8}$"	$6^{3}/_{8}$"	$5^{7}/_{8}$"	$5^{7}/_{8}$"	$5^{3}/_{8}$"	$4^{13}/_{16}$"	--	--	--	--	--
B3295-* Δ	--	--	--	--	--	--	--	--	$8^{1}/_{8}$"	$7^{3}/_{4}$"	$7^{1}/_{8}$"	$6^{5}/_{8}$"	$6^{1}/_{16}$"
B3296-*	--	$7^{3}/_{16}$"	7"	$6^{3}/_{4}$"	$6^{1}/_{4}$"	$6^{5}/_{16}$"	$5^{13}/_{16}$"	$5^{3}/_{16}$"	--	--	--	--	--
B3297-* Δ	--	--	--	--	--	--	--	--	$8^{1}/_{2}$"	$8^{1}/_{8}$"	$7^{1}/_{2}$"	7"	$6^{7}/_{16}$"
B3298-*	--	$8^{5}/_{8}$"	$8^{7}/_{16}$"	$8^{3}/_{16}$"	$7^{3}/_{4}$"	$7^{3}/_{4}$"	$7^{1}/_{4}$"	$6^{5}/_{8}$"	--	--	--	--	--

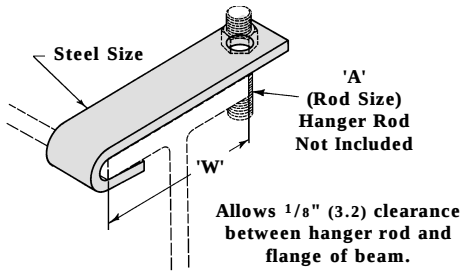
To determine (mm) in the above chart, multiply inches by 25.4.

* Rod Size required to finish part number (see Rod Size 'A' in top chart).

Δ These part numbers are furnished with links.

Design Load based on allowable stresses shown in ANSI Code For Pressure Piping and a maximum Safe Load for threaded rod per ANSI B1.1-1982.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Plain or Electro Plated

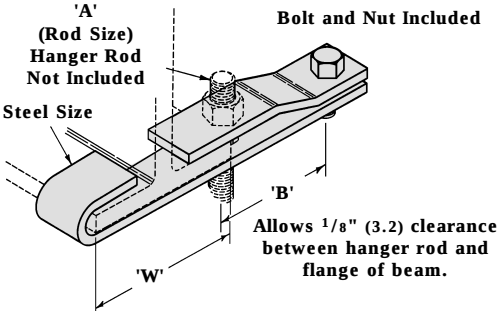
Service: Designed for attaching hanger rod to the top flange of a beam.

Ordering: Specify part number flange width, flange thickness and finish.

Figure B3042 Top Beam Hook

Part No.	'A'	For Nominal Pipe Size		Steel Size		Design Load Lbs.	kN
B3042-3/8	3/8"-16	3/4-2	(20-50)	3/16" x 1 1/4"	(4.8 x 31.7)	300	(1.33)
B3042-1/2	1/2"-13	2 1/2-3 1/2	(65-90)	1/4" x 1 1/4"	(6.3 x 31.7)	500	(2.22)
B3042-5/8	5/8"-11	4-5	(100-125)	3/8" x 1 1/2"	(9.5 x 38.1)	700	(3.11)
B3042-3/4	3/4"-10	6	(150)	3/8" x 2"	(9.5 x 50.8)	1000	(4.45)
B3042-7/8	7/8"-9	8-12	(200-300)	1/2" x 2 1/2"	(12.7 x 63.5)	1200	(5.34)

Part No.	Approximate Wt./C Lbs. (kg) For Width of Beam Flange 'W' 4"	(101.6)	6"	(152.4)	8"	(203.2)	12"	(304.8)
B3042-3/8	47	(21.3)	62	(28.1)	72	(32.6)	108	(49.0)
B3042-1/2	65	(29.5)	86	(39.0)	105	(47.6)	146	(66.2)
B3042-5/8	120	(54.4)	159	(72.1)	195	(88.4)	269	(122.0)
B3042-3/4	168	(76.2)	219	(99.3)	268	(121.5)	364	(165.1)
B3042-7/8	289	(131.1)	375	(170.1)	459	(208.2)	621	(281.7)



Material: Steel

Standard Finish: Plain or Electro Plated

Service: Designed for attaching hanger rod to the side of a bottom beam flange.

Ordering: Specify part number, flange width, and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 53 and Manufacturers' Standardization Society SP-69 & SP-58 Type 25.

Figure B3045 Side Beam Clamp

Part No.	'A'	For Nominal Pipe Size		'B'		Steel Size		Design Load Lbs.	kN
B3045-3/8	3/8"-16	3/4-2	(20-50)	3 1/8"	(79.4)	3/16" x 1 1/4"	(4.8 x 31.7)	300	(1.33)
B3045-1/2	1/2"-13	2 1/2-3 1/2	(65-90)	3 1/8"	(79.4)	1/4" x 1 1/4"	(6.3 x 31.7)	500	(2.22)
B3045-5/8	5/8"-11	4-5	(100-125)	3 1/8"	(79.4)	3/8" x 1 1/2"	(9.5 x 38.1)	700	(3.11)
B3045-3/4	3/4"-10	6	(150)	3 1/8"	(79.4)	3/8" x 2"	(9.5 x 50.8)	1000	(4.45)
B3045-7/8	7/8"-9	8-12	(200-300)	3 1/8"	(79.4)	1/2" x 2 1/2"	(12.7 x 63.5)	2000	(8.90)

Flange Width 'W'		Flange Thickness Minimum		Maximum		Wt./C For Side Beam Clamp Size Lbs. (kg) B3045-3/8		B3045-1/2		B3045-5/8		B3045-3/4		B3045-7/8	
3"	(76.2)	1/4"	(6.3)	3/8"	(9.5)	92	(41.7)	125	(56.7)	245	(111.1)	322	(146.0)	576	(261.3)
4"	(101.6)	3/16"	(4.8)	1/2"	(12.7)	100	(45.3)	141	(63.9)	267	(121.1)	353	(160.1)	618	(280.3)
5"	(127.0)	5/16"	(7.9)	5/8"	(15.9)	110	(49.9)	152	(68.9)	289	(131.1)	385	(174.6)	675	(306.2)
6"	(152.4)	1/4"	(6.3)	3/4"	(19.0)	119	(54.0)	164	(74.4)	309	(140.1)	412	(186.9)	718	(325.7)
7"	(177.8)	7/16"	(11.1)	7/8"	(22.2)	128	(58.0)	175	(79.4)	327	(148.3)	443	(200.9)	742	(336.6)
8"	(203.2)	7/16"	(11.1)	7/8"	(22.2)	134	(60.8)	182	(82.5)	345	(156.5)	462	(209.5)	798	(362.0)
9"	(228.6)	9/16"	(14.3)	1"	(25.4)	143	(64.8)	198	(89.8)	368	(166.9)	491	(222.7)	848	(384.6)
10"	(254.0)	5/8"	(15.9)	1"	(25.4)	149	(67.6)	207	(93.9)	384	(174.2)	512	(232.2)	884	(401.0)
12"	(304.8)	5/8"	(15.9)	1 1/4"	(31.7)	167	(75.7)	229	(103.9)	425	(192.8)	566	(256.7)	975	(442.2)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS

Pipe hangers offered in this section are designed to support insulated or non-insulated pipe allowing for vertical adjustment and limited movement in the piping system.

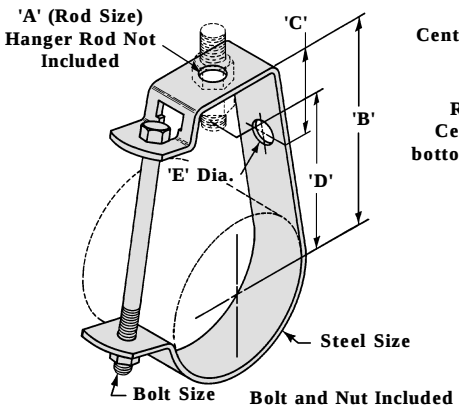
Materials
Carbon Steel, Malleable Iron and AISI Type 304 & 316 Stainless Steel are used in the manufacturing of pipe hangers. Other materials are available.

Finishes
The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black, Electro-Plated Zinc (ASTM B633 SC3), Pre-Galvanized (ASTM A653 G90), Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating, Dura-Green®, Dura-Copper® and other special coatings are available upon request.

Note: Due to the design of some products, (threads, connecting hardware, swivels, etc.) items may or may not be uniformly coated with special finishes i.e. Hot-Dip Galvanized, Dura Green®, Dura-Copper®, PVC etc. In some cases, the hanger itself may be coated, however, the hardware may be supplied Electro-Plated, Dura Copper® Painted or Stainless Steel. Consult B-Line Systems for availability.

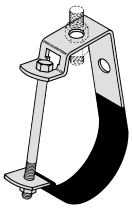
Approvals (as noted)
Items in this section are Underwriters' Laboratories Listed, Factory Mutual Approved, comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 & SP-58.

B-Line®

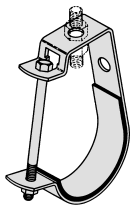


'B'
Center of pipe to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.



B3690C



B3690F

Material: Steel

Standard Finish: Electro-Plated (Hot-Dip Galvanized available with Electro-Plated hardware)

Service: Designed for suspending insulated pipe (with shield) and non-insulated pipe allowing for vertical adjustment. Side hole permits wall mounting.

Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed for 3/4" (20) thru 8" (200). Complies with Manufacturers' Standardization Society SP-69 & SP-58 Type 5.

Figure B3690 Adjustable "J" Hanger

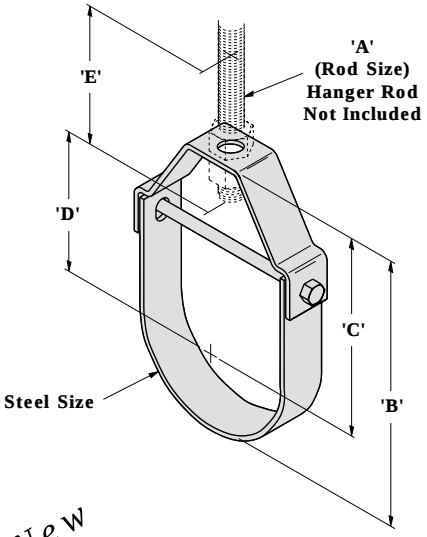
(Available with plastic coating as B3690C-size or felt lined as B3690F-size)

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		Rod Take Out 'D'		Dia. 'E'	
B3690-1/2	1/2"	(15)	3/8"-16	2 3/32"	(53.2)	1"	(25.4)	1 11/16"	(42.5)	13/32"	(10.3)
B3690-3/4	3/4"	(20)	3/8"-16	2 11/32"	(59.5)	1"	(25.4)	1 13/16"	(46.2)	13/32"	(10.3)
B3690-1	1"	(25)	3/8"-16	2 19/32"	(65.9)	1"	(25.4)	1 15/16"	(49.2)	13/32"	(10.3)
B3690-1 1/4	1 1/4"	(32)	3/8"-16	2 13/16"	(71.4)	1"	(25.4)	2"	(50.4)	13/32"	(10.3)
B3690-1 1/2	1 1/2"	(40)	3/8"-16	3 1/16"	(77.8)	1"	(25.4)	2 1/8"	(53.7)	13/32"	(10.3)
B3690-2	2"	(50)	3/8"-16	3 1/2"	(88.9)	1"	(25.4)	2 5/16"	(58.7)	13/32"	(10.3)
B3690-2 1/2	2 1/2"	(65)	1/2"-13	4 7/16"	(112.7)	1"	(25.4)	3"	(76.2)	9/16"	(14.3)
B3690-3	3"	(80)	1/2"-13	4 7/8"	(123.8)	1"	(25.4)	3 1/8"	(79.4)	9/16"	(14.3)
B3690-3 1/2	3 1/2"	(90)	1/2"-13	5 3/16"	(131.8)	1"	(25.4)	3 3/16"	(81.0)	9/16"	(14.3)
B3690-4	4"	(100)	5/8"-11	6 1/8"	(155.6)	1 1/4"	(31.8)	3 7/8"	(98.4)	9/16"	(14.3)
B3690-5	5"	(125)	5/8"-11	6 3/4"	(171.4)	1 1/2"	(38.1)	4"	(100.8)	9/16"	(14.3)
B3690-6	6"	(150)	3/4"-10	7 3/4"	(196.8)	1 3/16"	(30.2)	4 7/16"	(112.7)	9/16"	(14.3)
B3690-8	8"	(200)	3/4"-10	9 1/4"	(235.0)	1"	(25.4)	4 15/16"	(125.4)	9/16"	(14.3)

Part No.	Bolt Size	Steel Size		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3690-1/2	1/4"-20 x 2 1/4"	11 Ga. x 3/4"	(3.0 x 19.0)	400	(1.78)	20	(9.1)
B3690-3/4	1/4"-20 x 2 1/2"	11 Ga. x 3/4"	(3.0 x 19.0)	400	(1.78)	23	(10.4)
B3690-1	1/4"-20 x 2 3/4"	11 Ga. x 3/4"	(3.0 x 19.0)	400	(1.78)	24	(10.9)
B3690-1 1/4	1/4"-20 x 3"	11 Ga. x 3/4"	(3.0 x 19.0)	400	(1.78)	27	(12.2)
B3690-1 1/2	1/4"-20 x 3 1/4"	11 Ga. x 3/4"	(3.0 x 19.0)	400	(1.78)	29	(13.1)
B3690-2	1/4"-20 x 3 1/2"	11 Ga. x 3/4"	(3.0 x 19.0)	400	(1.78)	32	(14.5)
B3690-2 1/2	3/8"-16 x 4 1/2"	11 Ga. x 1 1/4"	(3.0 x 31.7)	800	(3.56)	71	(32.2)
B3690-3	3/8"-16 x 5"	11 Ga. x 1 1/4"	(3.0 x 31.7)	800	(3.56)	77	(34.9)
B3690-3 1/2	3/8"-16 x 5 1/2"	11 Ga. x 1 1/4"	(3.0 x 31.7)	800	(3.56)	84	(38.1)
B3690-4	3/8"-16 x 6 1/2"	7 Ga. x 1 1/4"	(4.5 x 31.7)	800	(3.56)	139	(63.0)
B3690-5	3/8"-16 x 7 1/2"	7 Ga. x 1 1/4"	(4.5 x 31.7)	800	(3.56)	166	(75.3)
B3690-6	3/8"-16 x 8 1/2"	1/4" x 1 1/4"	(6.3 x 31.7)	1000	(4.45)	226	(102.5)
B3690-8	3/8"-16 x 10 1/2"	1/4" x 1 1/2"	(6.3 x 38.1)	1200	(5.34)	332	(150.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



New

*Slide-Rite™ Clevis Hanger design, as shown above, for sizes 2, 2 1/2, 3, 4, 5 & 6.

'B'
Bottom of pipe to top of hanger.

'C'
Center of pipe to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'E'
Minimum thread length of hanger rod

'F'
Adjustment
Top of cross bolt to bottom of hanger rod nut inside the hanger.

Material: Steel

Standard Finish: Plain, Electro-Plated, Dura-Green® or Hot-Dipped Galvanized

Service: Designed for suspending non-insulated stationary pipe allowing for vertical adjustment.

Ordering: Specify part number and finish.

Approvals: Underwriter's Laboratories Listed for 3/4" (20) thru 12" (300). Complies with Federal Specification WW-H-171E Type 1 and Manufacturers' Standardization Society SP-69 & SP-58 Type 1.

For Stainless Steel, see B3105, page 41.
For AWWA - Ductile Iron, see B3102, page 40.

Note: When using oversized clevis hangers, install B3100PS (Pipe Sleeve) over cross bolt to prevent deformation of clevis bottom.

When attaching seismic bracing to clevis hangers, a B3100PS (Pipe Sleeve) must be installed over the cross bolt (see Seismic Restraints Brochure).

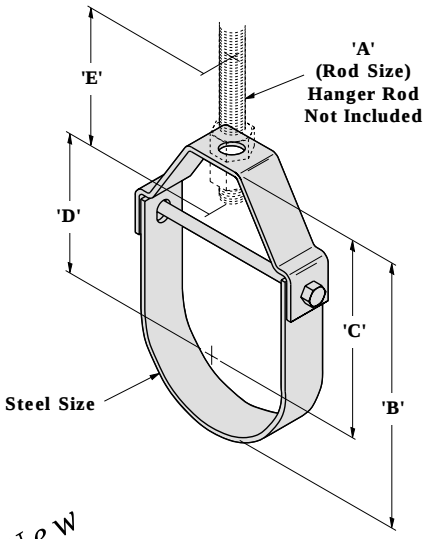
Order pipe sleeves B3100PS-(pipe size) separately.

Figure B3100 Standard Clevis Hanger

(Available with plastic coating as B3100C-size or felt lined as B3100F-size)

Part No.	Nominal Pipe Size		Rod Size 'A'	Steel Size Upper		Steel Size Lower		'B'	
B3100-1/2	1/2"	(15)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	2 1/8"	(54.0)
B3100-3/4	3/4"	(20)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	2 7/16"	(61.9)
B3100-1	1"	(25)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	2 13/16"	(71.4)
B3100-1 1/4	1 1/4"	(32)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	3 7/16"	(87.3)
B3100-1 1/2	1 1/2"	(40)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	4"	(101.6)
B3100-2*	2"	(50)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	4 1/2"	(114.3)
B3100-2 1/2*	2 1/2"	(65)	1/2"-13	1/8" x 1 1/4"	(3.2 x 31.7)	1/8" x 1 1/4"	(3.2 x 31.7)	5 9/16"	(141.3)
B3100-3*	3"	(80)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	1/8" x 1 1/4"	(3.2 x 31.7)	6 3/4"	(171.4)
B3100-3 1/2	3 1/2"	(90)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	7"	(177.8)
B3100-4*	4"	(100)	5/8"-11	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	7 13/16"	(198.4)
B3100-5*	5"	(125)	5/8"-11	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	9 1/16"	(230.2)
B3100-6*	6"	(150)	3/4"-10	3/16" x 1 1/2"	(4.8 x 38.1)	3/16" x 1 1/2"	(4.8 x 38.1)	10 7/16"	(265.1)
B3100-8	8"	(200)	3/4"-10	1/4" x 1 3/4"	(6.3 x 44.4)	3/16" x 1 3/4"	(4.8 x 44.4)	12 3/4"	(323.8)
B3100-10	10"	(250)	7/8"-9	3/8" x 1 3/4"	(9.5 x 44.4)	1/4" x 1 3/4"	(6.3 x 44.4)	15 1/4"	(387.3)
B3100-12	12"	(300)	7/8"-9	3/8" x 2"	(9.5 x 50.8)	1/4" x 2"	(6.3 x 50.8)	17 5/8"	(447.7)
B3100-14	14"	(350)	1"-8	1/2" x 2"	(12.7 x 50.8)	1/4" x 2"	(6.3 x 50.8)	19 9/16"	(496.9)
B3100-16	16"	(400)	1"-8	1/2" x 2 1/2"	(12.7 x 63.5)	1/4" x 2 1/2"	(6.3 x 63.5)	21 7/16"	(544.5)
B3100-18	18"	(450)	1"-8	1/2" x 2 1/2"	(12.7 x 63.5)	1/4" x 2 1/2"	(6.3 x 63.5)	25"	(635.0)
B3100-20	20"	(500)	1 1/4"-7	5/8" x 3"	(15.9 x 76.2)	3/8" x 3"	(9.5 x 76.2)	27 1/2"	(698.5)
B3100-24	24"	(600)	1 1/4"-7	5/8" x 3"	(15.9 x 76.2)	3/8" x 3"	(9.5 x 76.2)	31 3/4"	(806.4)
B3100-30	30"	(750)	1 1/4"-7	3/4" x 3"	(19.0 x 76.2)	3/8" x 3"	(9.5 x 76.2)	38 7/8"	(987.3)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



New

*Slide-Rite™ Clevis Hanger design, as shown above, for sizes 2, 2 1/2, 3, 4, 5 & 6.

'B'
Bottom of pipe to top of hanger.

'C'
Center of pipe to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'E'
Minimum thread length of hanger rod

'F'
Adjustment
Top of cross bolt to bottom of hanger rod nut inside the hanger.

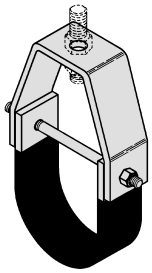
Slide-Rite™ Clevis Hanger Features

Patent pending design.

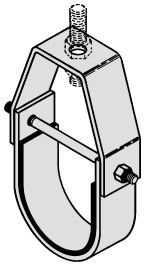
Pipe will not 'pinch' when installing.

15° swing in either direction allows pipe to easily feed thru.

Engineered design aligns bolt holes for quicker overhead installation.



B3100C



B3100F

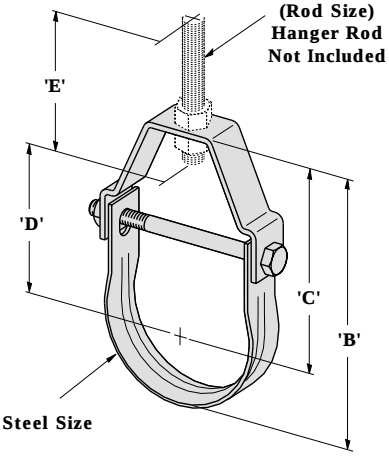
Figure B3100 Standard Clevis Hanger (continued)

(Available with plastic coating as B3100C-size or felt lined as B3100F-size)

Part No.	'C'		Rod Take-Out 'D'		'E'		Adjustment 'F'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3100-1/2	1 11/16"	(42.9)	15/16"	(23.8)	2 1/2"	(63.5)	7/16"	(11.1)	610	(2.71)	25	(11.3)
B3100-3/4	1 7/8"	(47.6)	1 1/8"	(28.6)	2 1/2"	(63.5)	1/2"	(12.7)	610	(2.71)	29	(13.1)
B3100-1	2 1/8"	(54.0)	1 3/8"	(34.9)	2 1/2"	(63.5)	5/8"	(15.9)	610	(2.71)	35	(15.9)
B3100-1 1/4	2 9/16"	(65.1)	1 13/16"	(46.0)	2 1/2"	(63.5)	7/8"	(22.2)	610	(2.71)	40	(18.1)
B3100-1 1/2	3"	(76.2)	2 1/4"	(57.1)	2 1/2"	(63.5)	1 3/16"	(30.2)	610	(2.71)	42	(19.0)
B3100-2*	3 1/4"	(82.5)	2 1/2"	(63.5)	2 1/2"	(63.5)	1 5/8"	(41.3)	610	(2.71)	52	(23.6)
B3100-2 1/2*	4"	(101.6)	3 1/16"	(77.8)	2 1/2"	(63.5)	2"	(50.8)	1130	(5.02)	90	(40.8)
B3100-3*	4 7/8"	(123.8)	3 15/16"	(100.0)	2 1/2"	(63.5)	2"	(50.8)	1130	(5.02)	110	(49.9)
B3100-3 1/2	5"	(127.0)	4 1/16"	(103.2)	2 1/2"	(63.5)	2"	(50.8)	1130	(5.02)	142	(64.4)
B3100-4*	5 1/2"	(139.7)	4 3/8"	(111.1)	2 1/2"	(63.5)	2"	(50.8)	1430	(6.36)	132	(59.9)
B3100-5*	6 1/8"	(155.6)	5"	(127.0)	2 1/2"	(63.5)	2"	(50.8)	1430	(6.36)	215	(97.5)
B3100-6*	6 15/16"	(176.2)	5 11/16"	(144.5)	3"	(76.2)	2"	(50.8)	1940	(8.63)	320	(145.1)
B3100-8	8 3/8"	(212.7)	7 1/8"	(181.0)	3 1/2"	(88.9)	2 5/16"	(58.7)	2000	(8.89)	485	(220.0)
B3100-10	9 13/16"	(249.2)	8 3/8"	(212.7)	3 1/2"	(88.9)	2 5/16"	(58.7)	3600	(16.01)	846	(383.7)
B3100-12	11 3/16"	(284.2)	9 11/16"	(246.1)	3 1/2"	(88.9)	2 5/8"	(66.7)	3800	(16.90)	1083	(491.2)
B3100-14	12 1/2"	(317.5)	10 5/8"	(269.9)	4"	(101.6)	2 7/8"	(73.0)	4200	(18.68)	1432	(649.5)
B3100-16	13 5/16"	(338.1)	11 9/16"	(293.7)	4"	(101.6)	2 11/16"	(68.3)	4600	(20.46)	2200	(997.9)
B3100-18	15 7/8"	(403.2)	14 3/16"	(360.3)	4 1/2"	(114.3)	3 15/16"	(100.0)	4800	(21.35)	2500	(1134.0)
B3100-20	17 3/8"	(441.3)	16 5/8"	(422.3)	5"	(127.0)	5 3/8"	(136.5)	4800	(21.35)	4400	(1995.8)
B3100-24	19 5/8"	(498.5)	18 5/8"	(473.1)	5"	(127.0)	5 3/8"	(136.5)	4800	(21.35)	5000	(2268.0)
B3100-30	23 3/4"	(603.2)	22 3/4"	(577.8)	5"	(127.0)	6 1/4"	(158.7)	6000	(26.69)	6600	(2993.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



*Slide-Rite™ Clevis Hanger design for sizes 2, 3 & 4.

'B'
Bottom of pipe to top of hanger.

'C'
Center of pipe to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'E'
Minimum thread length of hanger rod.

'F'
Adjustment
Top of cross bolt to bottom of hanger rod nut inside the hanger.

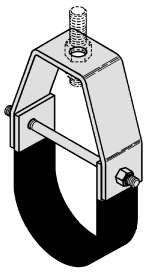
Material: Steel

Standard Finish: Plain, Electro-Plated or Dura-Green®

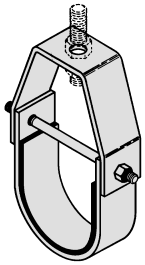
Service: Designed for suspending light stationary pipe allowing for vertical adjustment.

Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed for 3/4" (20) thru 4" (100). Complies with Federal Specification WW-H-171E Type 12. Electro-Plated and Dura-Green finishes meet Manufacturers' Standardization Society SP-69 & SP-58 Type 1.



B3104C



B3104F

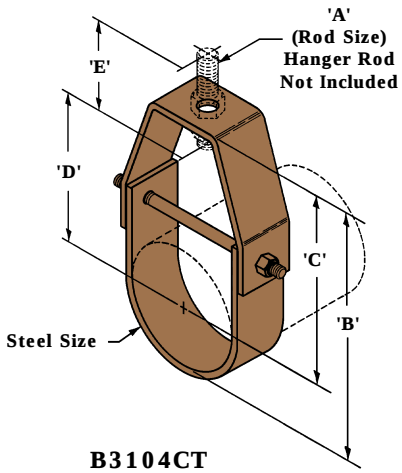
Figure B3104 Light-Duty Clevis Hanger

(Available with plastic coating as B3104C-size or felt lined as B3104F-size)

Part No.	Nominal Pipe Size		Rod Size 'A'	Steel Size Upper		Steel Size Lower		'B'	
B3104-3/8	3/8"	(10)	3/8"-16	16 Ga. x 3/4"	(1.5 x 19.0)	16 Ga. x 3/4"	(1.5 x 19.0)	1 15/16"	(49.2)
B3104-1/2	1/2"	(15)	3/8"-16	16 Ga. x 3/4"	(1.5 x 19.0)	16 Ga. x 3/4"	(1.5 x 19.0)	1 15/16"	(49.2)
B3104-3/4	3/4"	(20)	3/8"-16	13 Ga. x 7/8"	(2.3 x 22.2)	13 Ga. x 7/8"	(2.3 x 22.2)	2 5/16"	(58.7)
B3104-1	1"	(25)	3/8"-16	13 Ga. x 7/8"	(2.3 x 22.2)	13 Ga. x 7/8"	(2.3 x 22.2)	2 3/4"	(69.8)
B3104-1 1/4	1 1/4"	(32)	3/8"-16	13 Ga. x 7/8"	(2.3 x 22.2)	13 Ga. x 7/8"	(2.3 x 22.2)	3 5/16"	(84.1)
B3104-1 1/2	1 1/2"	(40)	3/8"-16	13 Ga. x 7/8"	(2.3 x 22.2)	13 Ga. x 7/8"	(2.3 x 22.2)	3 5/8"	(92.1)
B3104-2*	2"	(50)	3/8"-16	13 Ga. x 7/8"	(2.3 x 22.2)	13 Ga. x 7/8"	(2.3 x 22.2)	4 13/16"	(122.2)
B3104-2 1/2	2 1/2"	(65)	1/2"-13	1/8" x 1 1/4"	(3.2 x 31.7)	1/8" x 1 1/4"	(3.2 x 31.7)	5 13/16"	(147.6)
B3104-3*	3"	(80)	1/2"-13	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	6 7/16"	(163.5)
B3104-3 1/2	3 1/2"	(90)	1/2"-13	1/8" x 1 1/4"	(3.2 x 31.7)	1/8" x 1 1/4"	(3.2 x 31.7)	6 15/16"	(176.2)
B3104-4*	4"	(100)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	1/8" x 1 1/4"	(3.2 x 31.7)	7 3/4"	(196.8)

Part No.	'C'		Rod Take-Out 'D'		'E'		Adjustment 'F'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3104-3/8	1 9/16"	(39.7)	7/8"	(22.2)	2 1/2"	(63.5)	7/16"	(11.1)	150	(.67)	12	(5.4)
B3104-1/2	1 1/2"	(38.1)	13/16"	(20.6)	2 1/2"	(63.5)	7/16"	(11.1)	150	(.67)	13	(5.9)
B3104-3/4	1 3/4"	(44.4)	1"	(25.4)	2 1/2"	(63.5)	7/16"	(11.1)	250	(1.11)	22	(10.0)
B3104-1	2 1/16"	(52.4)	1 3/8"	(34.9)	2 1/2"	(63.5)	9/16"	(14.3)	250	(1.11)	24	(10.9)
B3104-1 1/4	2 7/16"	(61.9)	1 3/4"	(44.4)	2 1/2"	(63.5)	13/16"	(20.6)	250	(1.11)	29	(13.1)
B3104-1 1/2	2 5/8"	(66.7)	2"	(50.8)	2 1/2"	(63.5)	1"	(25.4)	250	(1.11)	30	(13.6)
B3104-2*	3 5/8"	(92.1)	2 15/16"	(74.6)	2 1/2"	(63.5)	1 3/4"	(44.4)	250	(1.11)	35	(15.9)
B3104-2 1/2	4 5/16"	(109.5)	3 7/16"	(87.3)	2 1/2"	(63.5)	2"	(50.8)	350	(1.55)	82	(37.2)
B3104-3*	4 5/8"	(117.5)	3 3/4"	(95.2)	2 1/2"	(63.5)	2"	(50.8)	350	(1.55)	91	(41.3)
B3104-3 1/2	4 15/16"	(125.4)	4"	(101.6)	2 1/2"	(63.5)	2"	(50.8)	350	(1.55)	98	(44.4)
B3104-4*	5 1/2"	(139.7)	4 9/16"	(115.9)	2 1/2"	(63.5)	2 3/16"	(55.6)	400	(1.78)	132	(59.9)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



B3104CT

'B'
Bottom of pipe
to top of hanger.
'C'
Center of pipe
to top of hanger.
'D'
Rod Take-Out
Center of pipe to
bottom of hanger rod.
'E'
Minimum thread
length of hanger rod.
'F'
Adjustment
Top of cross bolt to
bottom of hanger rod
nut inside the hanger.

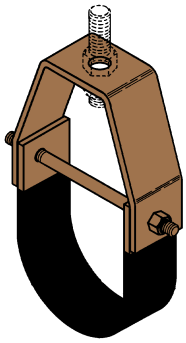
Material: Steel

Standard Finish: Dura-Copper®

Service: Designed for suspending copper tubing allowing for vertical adjustment. (Available with plastic coating to prevent contact between tubing and hanger).

Ordering: Specify part number and finish.

Approvals: For sizes 3/4" (20) thru 4" (100). Complies with Federal Specification WW-H-171E Type 12 and Manufacturers' Standardization Society SP-69 & SP-58 Type 1.



B3104CTC

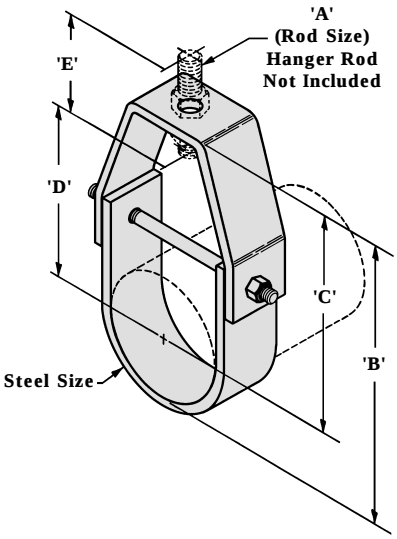
Figure B3104CT Clevis Hanger
(Available with plastic coating as B3104CTC-size)

Part No.	Nominal Tubing Size		Rod Size 'A'	'B'		'C'		Rod Take-Out 'D'	
B3104CT-1/2	1/2"	(15)	3/8"-16	2 1/4"	(57.1)	1 15/16"	(49.2)	1 1/8"	(28.6)
B3104CT-3/4	3/4"	(20)	3/8"-16	1 15/16"	(49.2)	1 1/2"	(38.1)	1 1/8"	(28.6)
B3104CT-1	1"	(25)	3/8"-16	2 5/16"	(58.7)	1 3/4"	(44.4)	1 5/16"	(33.3)
B3104CT-1 1/4	1 1/4"	(32)	3/8"-16	2 3/4"	(69.8)	2 1/16"	(52.4)	1 9/16"	(39.7)
B3104CT-1 1/2	1 1/2"	(40)	3/8"-16	3 5/16"	(84.1)	2 7/16"	(61.9)	2 1/16"	(52.4)
B3104CT-2	2"	(50)	3/8"-16	4 1/2"	(114.3)	3 7/16"	(87.3)	3 3/8"	(85.7)
B3104CT-2 1/2	2 1/2"	(65)	1/2"-13	5 11/16"	(144.5)	4 1/2"	(114.3)	3 15/16"	(100.0)
B3104CT-3	3"	(80)	1/2"-13	5 3/16"	(131.8)	3 5/8"	(92.1)	4"	(101.6)
B3104CT-3 1/2	3 1/2"	(90)	1/2"-13	6 1/2"	(165.1)	4 9/16"	(115.9)	4 1/8"	(104.8)
B3104CT-4	4"	(100)	1/2"-13	7 3/8"	(187.3)	3 5/16"	(134.9)	4 3/8"	(111.1)

Part No.	'E'		Adjustment 'F'		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3104CT-1/2	2 1/2"	(63.5)	3/8"	(9.5)	16 Ga. x 3/4"	(1.6 x 19.0)	150	(.67)	12	(5.4)
B3104CT-3/4	2 1/2"	(63.5)	7/16"	(11.1)	16 Ga. x 3/4"	(1.6 x 19.0)	250	(1.11)	12	(5.4)
B3104CT-1	2 1/2"	(63.5)	9/16"	(14.3)	13 Ga. x 7/8"	(2.3 x 22.2)	250	(1.11)	22	(10.0)
B3104CT-1 1/4	2 1/2"	(63.5)	9/16"	(14.3)	13 Ga. x 7/8"	(2.3 x 22.2)	250	(1.11)	24	(10.9)
B3104CT-1 1/2	2 1/2"	(63.5)	15/16"	(23.8)	13 Ga. x 7/8"	(2.3 x 22.2)	250	(1.11)	30	(13.6)
B3104CT-2	2 1/2"	(63.5)	1 3/4"	(44.4)	13 Ga. x 7/8"	(2.3 x 22.2)	250	(1.11)	35	(15.9)
B3104CT-2 1/2	2 1/2"	(63.5)	2 1/8"	(54.0)	1/8" x 1 1/4"	(3.2 x 31.7)	350	(1.55)	80	(36.3)
B3104CT-3	2 1/2"	(63.5)	2 1/16"	(52.4)	1/8" x 1 1/4"	(3.2 x 31.7)	350	(1.55)	88	(39.9)
B3104CT-3 1/2	2 1/2"	(63.5)	2 1/8"	(54.0)	1/8" x 1 1/4"	(3.2 x 31.7)	350	(1.55)	94	(42.6)
B3104CT-4	2 1/2"	(63.5)	2 1/8"	(54.0)	1/8" x 1 1/4"	(3.2 x 31.7)	400	(1.78)	116	(52.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



'B'
Bottom of pipe to top of hanger.

'C'
Center of pipe to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'E'
Minimum thread length of hanger rod

'F'
Adjustment
Top of cross bolt to bottom of hanger rod nut inside the hanger.

Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending stationary ductile iron and cast iron pipe allowing for vertical adjustment.

Ordering: Specify part number and finish.

Note: For pipe sizes 12" (300) and larger; cross bolt sleeve is included.

Approvals: Manufacturers' Standardization Society SP-69 & SP-58 Type 1.

Figure B3102 Clevis Hanger for AWWA Ductile Iron Pipe

Part No.	Nominal Pipe Size		Rod Size 'A'	Steel Size Upper		Steel Size Lower		'B'	
B3102-4	4"	(100)	5/8"-11	1/4" x 1 1/4"	(6.3 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	8 5/16"	(211.1)
B3102-6	6"	(150)	3/4"-10	1/4" x 1 1/2"	(6.3 x 38.1)	3/16" x 1 1/2"	(4.8 x 38.1)	10 5/8"	(269.9)
B3102-8	8"	(200)	3/4"-10	1/4" x 1 3/4"	(6.3 x 44.4)	3/16" x 1 3/4"	(4.8 x 44.4)	13 1/4"	(336.5)
B3102-10	10"	(250)	7/8"-9	3/8" x 1 3/4"	(9.5 x 44.4)	3/16" x 1 3/4"	(4.8 x 44.4)	15 7/8"	(403.2)
B3102-12	12"	(300)	7/8"-9	3/8" x 2"	(9.5 x 50.8)	1/4" x 2"	(6.3 x 50.8)	18"	(457.2)
B3102-14	14"	(350)	1"-8	1/2" x 2"	(12.7 x 50.8)	1/4" x 2"	(6.3 x 50.8)	20 3/8"	(517.5)
B3102-16	16"	(400)	1"-8	1/2" x 2 1/2"	(12.7 x 63.5)	1/4" x 2 1/2"	(6.3 x 63.5)	23 1/2"	(569.9)
B3102-18	18"	(450)	1"-7	1/2" x 2 1/2"	(12.7 x 63.5)	1/4" x 2 1/2"	(6.3 x 63.5)	25 5/8"	(650.9)
B3102-20	20"	(500)	1 1/4"-7	5/8" x 3"	(15.9 x 76.2)	3/8" x 3"	(9.5 x 76.2)	28 1/2"	(723.9)
B3102-24	24"	(600)	1 1/4"-7	5/8" x 3"	(15.9 x 76.2)	3/8" x 3"	(9.5 x 76.2)	33"	(838.2)

Part No.	'C'		Rod Take-Out 'D'		'E'		Adjustment 'F'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3102-4	5 13/16"	(147.6)	4 5/8"	(117.5)	2 1/2"	(63.5)	2"	(50.8)	1430	(6.36)	203	(92.1)
B3102-6	7 1/16"	(179.4)	5 13/16"	(147.6)	3"	(76.2)	2"	(50.8)	1940	(8.63)	352	(159.6)
B3102-8	8 5/8"	(219.1)	7 3/16"	(182.5)	3 1/2"	(88.9)	2 1/8"	(54.0)	2000	(8.89)	532	(241.3)
B3102-10	10 1/4"	(260.3)	8 11/16"	(220.6)	3 1/2"	(88.9)	2 1/4"	(57.1)	3600	(16.01)	800	(362.9)
B3102-12	11 5/16"	(287.3)	9 3/4"	(247.6)	3 1/2"	(88.9)	2 1/4"	(57.1)	3800	(16.90)	1152	(522.5)
B3102-14	12 5/8"	(320.7)	11 3/16"	(281.6)	4"	(101.6)	2 7/8"	(73.0)	4200	(18.68)	1449	(657.2)
B3102-16	14 11/16"	(373.1)	12 7/8"	(327.0)	4"	(101.6)	3 3/8"	(85.7)	4600	(20.46)	2100	(952.6)
B3102-18	15 3/4"	(400.0)	13 15/16"	(354.0)	4 1/2"	(114.3)	3 3/8"	(85.7)	4800	(21.35)	2294	(1040.5)
B3102-20	17 9/16"	(446.1)	16 7/16"	(417.5)	5"	(127.0)	4 13/16"	(122.2)	4800	(21.35)	3887	(1763.1)
B3102-24	20"	(508.0)	19 1/8"	(485.8)	5"	(127.0)	5 1/4"	(133.3)	4800	(21.35)	4844	(2197.2)

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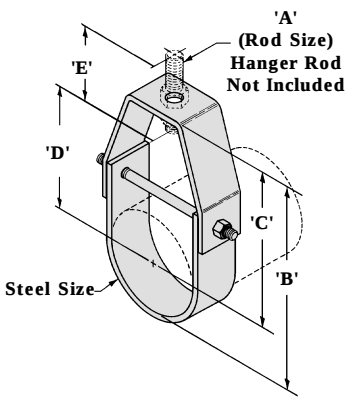


'B'
Bottom of pipe to top of hanger.

'C'
Center of pipe to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'E'
Minimum thread length of hanger rod

'F'
Adjustment
Top of cross bolt to bottom of hanger rod nut inside the hanger.

Material: Stainless Steel AISI Type 304 (Type 316 Stainless Steel available)
Service: Designed for suspending insulated pipe (with shield) and non-insulated stationary pipe allowing for vertical adjustment.

Ordering: Specify part number and material type.

Approvals: Manufacturers' Standardization Society SP-69 & SP-58 Type 1.

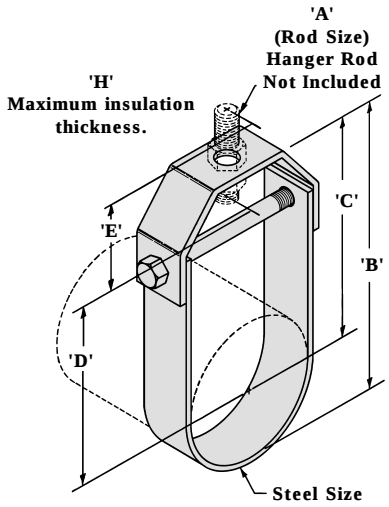
Figure B3105 Stainless Steel Clevis Hanger

Part No.	Nominal Pipe Size		Rod Size 'A'	Steel Size Upper		Steel Size Lower		'B'	
B3105-1/2	1/2"	(15)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	2 1/8"	(54.0)
B3105-3/4	3/4"	(20)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	2 7/16"	(61.9)
B3105-1	1"	(25)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	2 13/16"	(71.4)
B3105-1 1/4	1 1/4"	(32)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	3 7/16"	(87.3)
B3105-1 1/2	1 1/2"	(40)	3/8"-16	9 Ga. x 1"	(3.8 x 25.4)	1/8" x 1"	(3.2 x 25.4)	4"	(101.6)
B3105-2	2"	(50)	3/8"-16	9 Ga. x 1"	(3.8 x 25.4)	1/8" x 1"	(3.2 x 25.4)	4 7/8"	(123.8)
B3105-2 1/2	2 1/2"	(65)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	6 1/8"	(155.6)
B3105-3	3"	(80)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	6 9/16"	(166.7)
B3105-3 1/2	3 1/2"	(90)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	6 15/16"	(176.2)
B3105-4	4"	(100)	5/8"-11	1/4" x 1 1/4"	(6.3 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	7 13/16"	(198.4)
B3105-5	5"	(125)	5/8"-11	1/4" x 1 1/4"	(6.3 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	9"	(228.6)
B3105-6	6"	(150)	3/4"-10	1/4" x 1 1/2"	(6.3 x 38.1)	3/16" x 1 1/2"	(4.8 x 38.1)	10 1/8"	(257.2)
B3105-8	8"	(200)	3/4"-10	1/4" x 1 3/4"	(6.3 x 44.4)	3/16" x 1 3/4"	(4.8 x 44.4)	12 5/8"	(320.7)
B3105-10	10"	(250)	7/8"-9	3/8" x 1 3/4"	(9.5 x 44.4)	1/4" x 1 3/4"	(6.3 x 44.4)	15 1/4"	(387.3)
B3105-12	12"	(300)	7/8"-9	3/8" x 2"	(9.5 x 50.8)	1/4" x 2"	(6.3 x 50.8)	17 9/16"	(446.1)

Part No.	'C'		Rod Take-Out 'D'		'E'		Adjustment 'F'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3105-1/2	1"	(25.4)	15/16"	(23.8)	2 1/2"	(63.5)	7/16"	(11.1)	610	(2.71)	35	(15.9)
B3105-3/4	1 7/8"	(47.6)	1"	(25.4)	2 1/2"	(63.5)	1/2"	(12.7)	610	(2.71)	40	(18.1)
B3105-1	2 1/8"	(54.0)	1 5/16"	(33.3)	2 1/2"	(63.5)	5/8"	(15.9)	610	(2.71)	45	(20.4)
B3105-1 1/4	2 9/16"	(65.1)	1 3/4"	(44.4)	2 1/2"	(63.5)	7/8"	(22.2)	610	(2.71)	46	(20.8)
B3105-1 1/2	3"	(76.2)	2 1/8"	(54.0)	2 1/2"	(63.5)	1 1/8"	(28.6)	610	(2.71)	55	(24.9)
B3105-2	3 11/16"	(93.7)	2 15/16"	(74.6)	2 1/2"	(63.5)	1 5/8"	(41.3)	610	(2.71)	62	(28.1)
B3105-2 1/2	4 11/16"	(119.1)	3 13/16"	(96.8)	3"	(76.2)	2"	(50.8)	1130	(5.02)	141	(63.9)
B3105-3	4 3/4"	(120.6)	3 7/8"	(98.4)	3"	(76.2)	2"	(50.8)	1130	(5.02)	146	(66.2)
B3105-3 1/2	4 15/16"	(125.4)	4 1/8"	(104.8)	3"	(76.2)	2"	(50.8)	1130	(5.02)	157	(71.2)
B3105-4	5 9/16"	(141.3)	4 3/8"	(111.1)	3 1/2"	(88.9)	2"	(50.8)	1430	(6.36)	200	(90.7)
B3105-5	6 3/16"	(157.2)	5 1/16"	(128.6)	3 1/2"	(88.9)	2"	(50.8)	1430	(6.36)	242	(109.8)
B3105-6	6 13/16"	(173.0)	5 5/8"	(142.9)	4"	(101.6)	2"	(50.8)	1940	(8.63)	332	(150.6)
B3105-8	8 5/16"	(211.1)	6 13/16"	(173.0)	4 1/2"	(107.9)	2 1/8"	(54.0)	2000	(8.89)	503	(228.1)
B3105-10	9 7/8"	(250.8)	8 1/4"	(209.5)	4 1/2"	(114.3)	2 1/4"	(57.1)	3600	(16.01)	898	(407.3)
B3105-12	11 3/16"	(284.2)	9 5/8"	(244.5)	4 3/4"	(120.6)	2 5/8"	(66.7)	3800	(16.90)	1102	(499.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



'B'
Bottom of pipe
to top of hanger.

'C'
Center of pipe
to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom
of hanger rod.

'E'
Minimum thread
length of hanger rod

'F'
Adjustment
Top of cross bolt to
bottom of hanger rod
nut inside the hanger.

Material: Steel (Stainless Steel Type 304 available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending insulated pipe allowing for vertical adjustment.

Ordering: Specify part number and finish. For Service temperatures of 750°F (399°C) thru 1050°F (565°C) specify Type 304 Stainless Steel.

Approvals: Complies with Federal Specification WW-H-171E Type 1 and Manufacturers' Standardization Society SP-69 & SP-58 Type 1.

Note: Hangers are sized to nominal pipe size - Allowance must be made for insulation thicknesses.

Figure B3108 Extended Clevis Hanger

Part No.	Nominal Pipe Size		Rod Size 'A'	Steel Size Upper		Steel Size Lower		'B'	
B3108-3/4	3/4"	(20)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	4 3/8"	(111.1)
B3108-1	1"	(25)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	4 3/4"	(120.6)
B3108-1 1/4	1 1/4"	(32)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	5 3/8"	(136.5)
B3108-1 1/2	1 1/2"	(40)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	6 7/8"	(174.6)
B3108-2	2"	(50)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	8 13/16"	(223.8)
B3108-2 1/2	2 1/2"	(65)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	10"	(254.0)
B3108-3	3"	(80)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	10 5/8"	(269.9)
B3108-4	4"	(100)	5/8"-11	1/4" x 1 1/4"	(6.3 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	11 13/16"	(300.0)
B3108-5	5"	(125)	5/8"-11	1/4" x 1 1/4"	(6.3 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	13 1/8"	(333.4)
B3108-6	6"	(150)	3/4"-10	1/4" x 1 1/2"	(6.3 x 38.1)	3/16" x 1 1/2"	(4.8 x 38.1)	14 3/8"	(365.1)
B3108-8	8"	(200)	3/4"-10	1/4" x 1 3/4"	(6.3 x 44.4)	3/16" x 1 3/4"	(4.8 x 44.4)	16 3/4"	(425.4)
B3108-10	10"	(250)	7/8"-9	3/8" x 1 3/4"	(9.5 x 44.4)	1/4" x 1 3/4"	(6.3 x 44.4)	19 1/4"	(488.9)
B3108-12	12"	(300)	7/8"-9	3/8" x 2"	(9.5 x 50.8)	1/4" x 2"	(6.3 x 50.8)	21 5/8"	(549.3)

Part No.	'C'		Rod Take-Out 'D'		'E'		Adjustment 'F'		'H'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3108-3/4	3 13/16"	(96.8)	3 1/16"	(77.8)	2 1/2"	(63.5)	1/2"	(12.7)	2"	(50.8)	610	(2.71)	45	(20.4)
B3108-1	4 1/16"	(103.2)	3 1/4"	(82.5)	2 1/2"	(63.5)	5/8"	(15.9)	2"	(50.8)	610	(2.71)	49	(22.2)
B3108-1 1/4	4 1/2"	(114.3)	3 5/16"	(84.1)	2 1/2"	(63.5)	7/8"	(22.2)	2"	(50.8)	610	(2.71)	55	(24.9)
B3108-1 1/2	5 15/16"	(150.8)	5 1/8"	(130.2)	2 1/2"	(63.5)	1 3/16"	(30.2)	2"	(50.8)	610	(2.71)	67	(30.4)
B3108-2	7 5/8"	(193.7)	6 7/8"	(174.6)	2 1/2"	(63.5)	1 5/8"	(41.3)	4"	(101.6)	610	(2.71)	83	(37.6)
B3108-2 1/2	8 1/2"	(215.9)	7 9/16"	(192.1)	2 1/2"	(63.5)	2"	(50.8)	4"	(101.6)	1130	(5.02)	177	(80.3)
B3108-3	8 13/16"	(223.8)	7 7/8"	(200.0)	2 1/2"	(63.5)	2"	(50.8)	4"	(101.6)	1130	(5.02)	191	(86.6)
B3108-4	9 1/2"	(241.3)	8 3/8"	(212.7)	2 1/2"	(63.5)	2"	(50.8)	4"	(101.6)	1430	(6.36)	237	(107.5)
B3108-5	10 5/16"	(261.9)	9 1/8"	(231.8)	2 1/2"	(63.5)	2"	(50.8)	4"	(101.6)	1430	(6.36)	302	(137.0)
B3108-6	11"	(279.4)	9 11/16"	(246.0)	3"	(76.2)	2"	(50.8)	4"	(101.6)	1940	(8.63)	397	(180.1)
B3108-8	12 3/8"	(314.3)	11 1/8"	(282.6)	3 1/2"	(88.9)	2 5/16"	(58.7)	4"	(101.6)	2000	(8.89)	582	(264.0)
B3108-10	13 13/16"	(350.8)	12 5/16"	(312.7)	3 1/2"	(88.9)	2 5/16"	(58.7)	4"	(101.6)	3600	(16.01)	968	(439.1)
B3108-12	15 3/16"	(385.8)	13 5/8"	(346.1)	3 1/2"	(88.9)	2 5/8"	(66.7)	4"	(101.6)	3800	(16.90)	1221	(553.8)

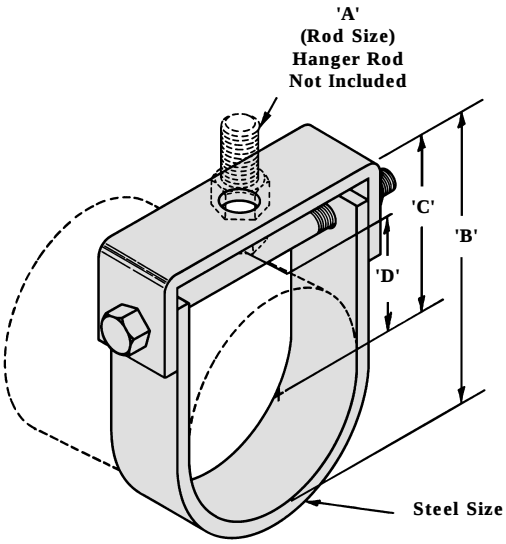
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending non-insulated, stationary pipe where space is limited.

Ordering: Specify part number and size.



'B'
Bottom of pipe
to top of hanger.
'C'
Center of pipe
to top of hanger.
'D'
Rod Take-Out
Center of pipe to
bottom of hanger rod.

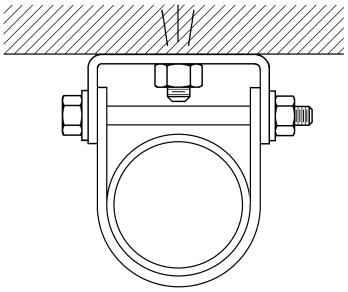


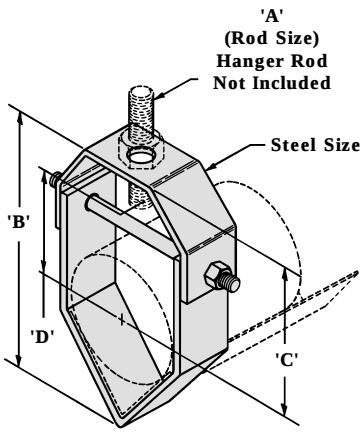
Figure B3109 Flat Top Clevis Hanger

Part No.	Nominal Pipe Size		Rod Size 'A'	Steel Size Upper		Lower	
B3109-2	2"	(50)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)
B3109-2 1/2	2 1/2"	(65)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)
B3109-3	3"	(80)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)
B3109-3 1/2	3 1/2"	(90)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)
B3109-4	4"	(100)	5/8"-11	1/4" x 1 1/4"	(6.3 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)
B3109-5	5"	(125)	5/8"-11	1/4" x 1 1/4"	(6.3 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)
B3109-6	6"	(150)	3/4"-10	1/4" x 1 1/2"	(6.3 x 38.1)	3/16" x 1 1/2"	(4.8 x 38.1)
B3109-8	8"	(200)	3/4"-10	1/4" x 1 3/4"	(6.3 x 44.4)	3/16" x 1 3/4"	(4.8 x 44.4)

Part No.	'B'		'C'		Rod Take-Out 'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3109-2	3 13/16"	(96.8)	2 5/8"	(66.7)	1 7/8"	(47.6)	300	(1.33)	52	(23.6)
B3109-2 1/2	4 5/8"	(117.5)	3 3/16"	(81.0)	2 3/16"	(55.6)	500	(2.22)	116	(52.6)
B3109-3	5 5/16"	(134.9)	3 9/16"	(90.5)	2 5/8"	(66.7)	500	(2.22)	133	(60.3)
B3109-3 1/2	5 13/16"	(147.6)	3 13/16"	(96.8)	2 7/8"	(73.0)	500	(2.22)	145	(65.8)
B3109-4	6 1/2"	(165.1)	4 1/4"	(107.9)	3 1/8"	(79.4)	700	(3.11)	180	(81.6)
B3109-5	7 13/16"	(198.4)	5"	(127.0)	3 7/8"	(98.4)	700	(3.11)	248	(112.5)
B3109-6	9 1/16"	(230.2)	5 11/16"	(144.5)	4 7/16"	(112.7)	900	(4.00)	332	(150.6)
B3109-8	11 3/8"	(288.9)	7"	(177.8)	5 13/16"	(147.6)	1000	(4.45)	513	(232.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



'B'
Overall Height

'C'
Center of pipe
to top of hanger.

'D'
Rod Take-Out
Center of pipe to bottom
of hanger rod.

'E'
Minimum thread
length of hanger rod

Material: Steel

Standard Finish: Plain or Electro-Plated

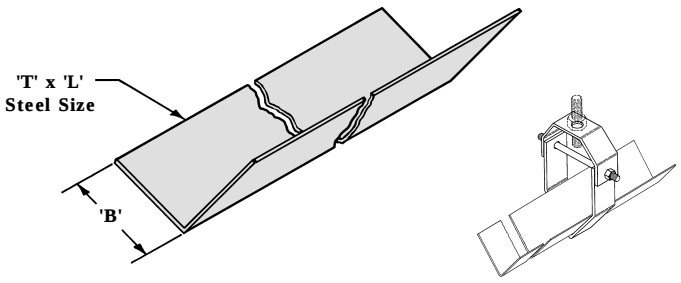
Service: Designed for suspending flexible plastic pipe. Use with B3106V Plastic Pipe Support Channel (see below).

Ordering: Specify part number and finish.

Figure B3106 Vee Bottom Clevis Hanger

Part No.	Nominal Pipe Size		Rod Size 'A'	Steel Size Upper		Steel Size Lower		'B'	
B3106-1 1/2	1 1/2"	(40)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	5"	(127.0)
B3106-2	2"	(50)	3/8"-16	1/8" x 1"	(3.2 x 25.4)	1/8" x 1"	(3.2 x 25.4)	5 15/16"	(150.8)
B3106-3	3"	(80)	1/2"-13	1/8" x 1 1/4"	(3.2 x 31.7)	1/8" x 1 1/4"	(3.2 x 31.7)	7 13/16"	(198.4)
B3106-4	4"	(100)	1/2"-13	3/16" x 1 1/4"	(4.8 x 31.7)	1/8" x 1 1/4"	(3.2 x 31.7)	9 3/8"	(238.1)
B3106-6	6"	(152)	3/4"-13	3/16" x 1 1/4"	(4.8 x 31.7)	3/16" x 1 1/4"	(4.8 x 31.7)	11 15/16"	(303.2)

Part No.	'C'		Rod Take-Out 'D'		Adjustment 'E'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3106-1 1/2	3 7/16"	(87.3)	3 1/8"	(79.4)	1 3/16"	(30.2)	150	(.67)	51	(23.1)
B3106-2	4 1/16"	(103.2)	3 5/16"	(84.1)	1 5/8"	(41.3)	150	(.67)	60	(27.2)
B3106-3	5 1/8"	(130.2)	4 1/4"	(107.9)	2"	(50.8)	150	(.67)	104	(47.2)
B3106-4	6"	(152.4)	4 13/16"	(122.2)	2 3/16"	(55.6)	150	(.67)	143	(64.8)
B3106-6	6 7/8"	(174.6)	5 3/32"	(129.4)	2 1/2"	(63.5)	150	(.67)	271	(122.9)



Material: Steel

Standard Finish: Pre-Galvanized

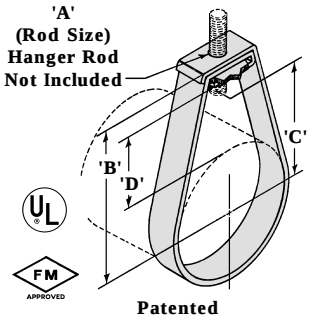
Service: Designed as a continuous support for plastic or other flexible pipe systems. Use with B3106 Vee Bottom Clevis Hanger. Hangers should be located as close as possible to the channel joints.

Ordering: Specify part number and finish.

Figure B3106V Plastic Pipe Support Channel

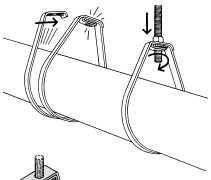
Part No.	For Nominal Pipe Sizes		Steel Size 'T' x 'L'		'B'		Maximum Hanger Spacing Ft.	M	Design Load Lbs.	kN	Wt./C Lbs.	kg
B3106V-1	1/2" to 1 1/2"	(15 to 40)	18 Ga. x 96"	(1.2 x 2438.4)	1 5/16"	(33.3)	8	(2.44)	150	(.67)	377	(171.0)
B3106V-2	2"	(50)	18 Ga. x 96"	(1.2 x 2438.4)	1 9/16"	(39.7)	8	(2.44)	150	(.67)	449	(203.6)
B3106V-3	2 1/2" to 3"	(65 to 80)	18 Ga. x 120"	(1.2 x 3048.0)	2 3/8"	(60.3)	10	(3.05)	150	(.67)	853	(386.9)
B3106V-4	4"	(100)	18 Ga. x 120"	(1.2 x 3048.0)	3 1/8"	(79.4)	10	(3.05)	150	(.67)	1123	(509.4)
B3106V-6	6"	(152)	18 Ga. x 120"	(1.2 x 3048.0)	4 5/8"	(117.5)	10	(3.05)	150	(.67)	1488	(674.9)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



'B' Center of pipe to top of hanger.
'C' Rod Take-Out Center of pipe to bottom of hanger rod.
'D' Top of pipe to bottom of hanger rod nut.

B3174C



B3174F

Material: Steel (Stainless Steel Type 304 available up to 2" (50))

Standard Finish: Pre-Galvanized

Service: Designed for suspending insulated pipe (with shield) or non-insulated pipe allowing for vertical adjustment.

Feature: Captive adjusting nut in NFPA rod sizes.

Ordering: Specify part number and finish.

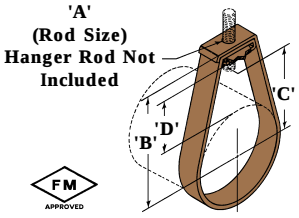
Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved for 3/4" (20) thru 4" (100) in steel only.

Figure B3174 Twirl Adjustable Band Hanger

(Available with felt lining as B3174F-size or plastic coated as B3174C-size)

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3174-1/2	1/2"	(15)	3/8"-16	2 15/32"	(62.7)	1 3/4"	(44.4)	1 11/16"	(42.9)	200	(.89)	12	(5.4)
B3174-3/4	3/4"	(20)	3/8"-16	2 9/16"	(65.1)	1 25/32"	(45.2)	1 1/4"	(31.7)	200	(.89)	12	(5.4)
B3174-1	1"	(25)	3/8"-16	2 11/16"	(68.3)	1 25/32"	(45.2)	1 1/8"	(28.6)	200	(.89)	13	(5.9)
B3174-1 1/4	1 1/4"	(32)	3/8"-16	3 1/8"	(79.4)	2 1/32"	(51.6)	1 3/16"	(30.2)	200	(.89)	13	(5.9)
B3174-1 1/2	1 1/2"	(40)	3/8"-16	3 15/32"	(88.1)	2 9/32"	(57.9)	1 5/16"	(33.3)	200	(.89)	14	(6.3)
B3174-2	2"	(50)	3/8"-16	3 31/32"	(100.8)	2 17/32"	(64.3)	1 5/16"	(33.3)	200	(.89)	18	(8.1)
B3174-2 1/2	2 1/2"	(65)	3/8"-16	4 11/16"	(119.1)	3"	(76.2)	1 9/16"	(39.7)	240	(1.06)	27	(12.2)
B3174-3	3"	(80)	3/8"-16	5 3/8"	(136.5)	3 3/8"	(85.7)	1 19/32"	(40.5)	280	(1.24)	30	(13.6)
B3174-3 1/2	3 1/2"	(90)	3/8"-16	6"	(152.4)	3 3/4"	(95.2)	1 23/32"	(43.6)	320	(1.42)	32	(14.5)
B3174-4	4"	(100)	3/8"-16	6 9/16"	(166.7)	4 1/16"	(103.2)	1 3/4"	(44.4)	400	(1.78)	47	(21.8)

Material Thickness:
B3174-1/2 thru B3174-2 16 Ga. x 5/8" (1.5 x 15.9) • B3174-2 1/2 thru B3174-3 1/2 16 Ga. x 7/8" (1.5 x 22.2) • B3174-4 14 Ga. x 1" (1.9 x 25.4)
• For Type 304 Stainless Steel - Material Thickness: 18 Ga x 5/8" (1.2 x 15.9)



B3174CT

'B' Center of pipe to top of hanger.
'C' Rod Take-Out Center of pipe to bottom of hanger rod.
'D' Top of pipe to bottom of hanger rod nut.

B3174CTC

Material: Steel

Standard Finish: Dura-Copper®

Service: Designed for suspending copper tubing allowing for vertical adjustment. (Available with plastic coating to prevent contact between tubing and hanger).

Ordering: Specify part number and finish.

Approvals: B3174CT is Factory Mutual Approved for sizes 3/4" (20) thru 4" (100).

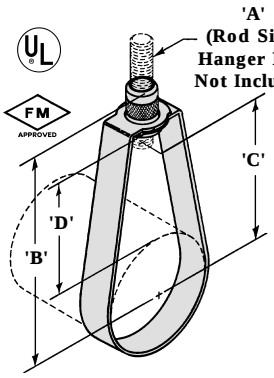
Figure B3174CT Twirl Adjustable Band Hanger

(Available with plastic coating as B3174CTC-size)

Part No.	Nominal Tubing Size		Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3174CT-3/4	3/4"	(20)	3/8"-16	2"	(50.8)	1 3/8"	(34.9)	1 5/32"	(29.3)	200	(.89)	13	(5.9)
B3174CT-1	1"	(25)	3/8"-16	2 1/16"	(52.4)	1 7/16"	(36.5)	1 3/32"	(27.8)	200	(.89)	13	(5.9)
B3174CT-1 1/4	1 1/4"	(32)	3/8"-16	2"	(50.8)	1 3/8"	(34.9)	7/8"	(22.2)	200	(.89)	13	(5.9)
B3174CT-1 1/2	1 1/2"	(40)	3/8"-16	2 1/8"	(54.0)	1 1/2"	(38.1)	7/8"	(22.2)	200	(.89)	13	(5.9)
B3174CT-2	2"	(50)	3/8"-16	2 15/16"	(74.6)	2 5/16"	(58.7)	1 7/16"	(36.5)	200	(.89)	16	(7.2)
B3174CT-2 1/2	2 1/2"	(65)	3/8"-16	3 7/16"	(87.3)	2 13/16"	(71.4)	1 11/16"	(42.9)	240	(1.07)	25	(11.3)
B3174CT-3	3"	(80)	3/8"-16	3 15/16"	(100.0)	3 5/16"	(84.1)	1 7/8"	(47.6)	280	(1.24)	28	(12.7)
B3174CT-3 1/2	3 1/2"	(90)	3/8"-16	4 3/16"	(106.4)	3 9/16"	(90.5)	1 1/4"	(31.7)	320	(1.42)	27	(12.2)
B3174CT-4	4"	(100)	3/8"-16	4 1/4"	(107.9)	3 5/8"	(92.1)	1 1/16"	(27.0)	400	(1.78)	30	(13.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

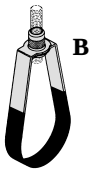
PIPE HANGERS



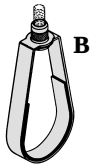
'B'
Center of pipe to top of knurled hanger rod nut.

'C'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'D'
Top of pipe to bottom of hanger rod nut.



B3170NFC



B3170NFF

Material: Steel

Standard Finish: Pre-Galvanized

Service: Designed for suspending insulated pipe (with shield) or non-insulated pipe allowing for vertical adjustment.

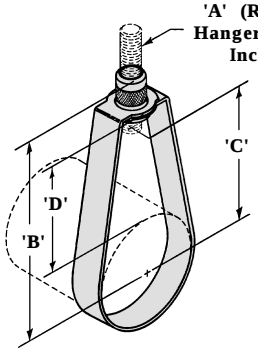
Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed for 1/2" (15) thru 4" (100) and Factory Mutual Approved for 1/2" (15) thru 4" (100). Complies with Federal Specification WW-H-171E Type 10 and Manufacturers' Standardization Society SP-69 & SP-58 Type 10, and the National Fire Protection Association Code (NFPA).

Figure B3170NF Adjustable Swivel Ring

(Available with plastic coating as B3170NFC-size or felt lined as B3170NFF-size)

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3170NF-1/2	1/2"	(15)	3/8"-16	2 3/8"	(60.3)	1 1/4"	(31.7)	1 1/16"	(27.0)	180	(.80)	11	(5.0)
B3170NF-3/4	3/4"	(20)	3/8"-16	2 3/8"	(60.3)	1 5/16"	(33.3)	1 1/16"	(27.0)	180	(.80)	12	(5.4)
B3170NF-1	1"	(25)	3/8"-16	2 5/8"	(66.7)	1 1/2"	(38.1)	1 1/16"	(27.0)	180	(.80)	13	(5.9)
B3170NF-1 1/4	1 1/4"	(32)	3/8"-16	2 7/8"	(73.0)	1 11/16"	(42.9)	1 1/8"	(28.6)	180	(.80)	14	(6.3)
B3170NF-1 1/2	1 1/2"	(40)	3/8"-16	3 1/8"	(79.4)	1 15/16"	(49.2)	1 1/4"	(31.7)	180	(.80)	14	(6.3)
B3170NF-2	2"	(50)	3/8"-16	3 1/2"	(88.9)	2 5/16"	(58.7)	1 3/8"	(34.9)	180	(.80)	16	(7.2)
B3170NF-2 1/2	2 1/2"	(65)	3/8"-16	4"	(101.6)	2 5/8"	(66.7)	1 7/16"	(36.5)	200	(.89)	25	(11.3)
B3170NF-3	3"	(80)	3/8"-16	4 1/2"	(114.3)	3 1/8"	(79.4)	1 5/8"	(41.3)	250	(1.11)	29	(13.1)
B3170NF-3 1/2	3 1/2"	(90)	3/8"-16	4 15/16"	(125.4)	3 9/16"	(90.5)	1 13/16"	(46.0)	300	(1.33)	33	(14.9)
B3170NF-4	4"	(100)	3/8"-16	5 3/16"	(131.8)	3 5/8"	(92.1)	1 5/8"	(41.3)	360	(1.60)	40	(18.1)
B3170NF-5	5"	(125)	1/2"-13	5 23/32"	(145.2)	4 1/8"	(104.8)	1 5/8"	(41.3)	480	(2.13)	83	(37.6)
B3170NF-6	6"	(150)	1/2"-13	6 13/16"	(173.0)	5 1/16"	(128.6)	2"	(50.8)	630	(2.80)	91	(41.3)
B3170NF-8	8"	(200)	1/2"-13	8 1/16"	(204.8)	6 5/16"	(160.3)	2 1/4"	(57.1)	970	(4.31)	130	(58.9)



'B'
Center of pipe to top of knurled hanger rod nut.

'C'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'D'
Top of pipe to bottom of hanger rod nut.

Material: Steel

Standard Finish: Pre-Galvanized

Service: Designed for suspending insulated pipe (with shield) or non-insulated pipe allowing for vertical adjustment.

Ordering: Specify part number and finish.

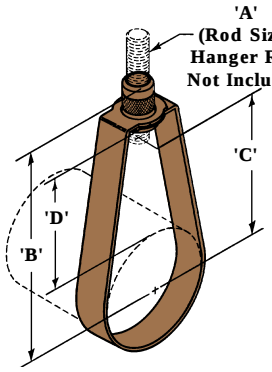
Approvals: Complies with Federal Specification WW-H-171E Type 10 and Manufacturers' Standardization Society SP-69 & SP-58 Type 10.

Note: For pipe sizes 2" (50) and under, use B3170NF.

Figure B3170 Adjustable Swivel Ring

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3170-2 1/2	2 1/2"	(65)	1/2"-13	4"	(101.6)	2 5/8"	(66.7)	1 7/16"	(36.5)	300	(1.33)	29	(13.1)
B3170-3	3"	(80)	1/2"-13	4 1/2"	(114.3)	3 1/8"	(79.4)	1 5/8"	(41.3)	300	(1.33)	34	(15.4)
B3170-3 1/2	3 1/2"	(90)	1/2"-13	4 15/16"	(125.4)	3 9/16"	(90.5)	1 13/16"	(46.0)	300	(1.33)	42	(19.0)
B3170-4	4"	(100)	5/8"-11	5 3/16"	(131.8)	3 5/8"	(92.1)	1 5/8"	(41.3)	475	(2.11)	54	(24.5)
B3170-5	5"	(125)	5/8"-11	5 23/32"	(145.2)	4 1/8"	(104.8)	1 5/8"	(41.3)	475	(2.11)	97	(44.0)
B3170-6	6"	(150)	3/4"-10	7"	(177.8)	5 1/16"	(128.6)	2"	(50.8)	950	(4.22)	113	(51.2)
B3170-8	8"	(200)	3/4"-10	8"	(203.2)	6 5/16"	(160.3)	2 1/4"	(57.1)	950	(4.22)	140	(63.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



'B'
Center of pipe to top of knurled hanger rod nut.

'C'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'D'
Top of pipe to bottom of hanger rod nut.

B3170CT

Material: Steel

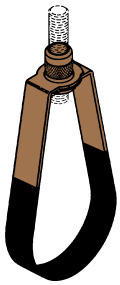
Standard Finish: Dura-Copper®

Service: Designed for suspending copper tubing, allowing for vertical adjustment. (Available with plastic coating to prevent contact between tubing and hanger).

Ordering: Specify part number, rod size and finish.

Note: Sizes 2 1/2" (65) thru 4" (100) available for 3/8"-16 rod size.

Approvals: Complies with Federal Specifications WW-H-171E Type 10 and Manufacturers' Standardization Society SP-69 & SP-58 Type 10.



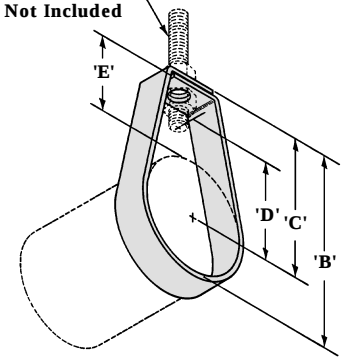
B3170CTC

Figure B3170CT Adjustable Swivel Ring
(Available with Plastic Coating as B3170CTC-size)

Part No.	Nominal Tubing Size		Rod Size 'A'	'B'		'C'		'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3170CT-1/2	1/2"	(15)	3/8"-16	2 1/16"	(52.4)	1 1/8"	(28.6)	31/32"	(24.6)	180	(.80)	8	(3.6)
B3170CT-3/4	3/4"	(20)	3/8"-16	2 5/16"	(58.7)	1 5/16"	(33.3)	1 1/32"	(26.2)	180	(.80)	10	(4.5)
B3170CT-1	1"	(25)	3/8"-16	2 1/2"	(63.5)	1 9/16"	(39.7)	1 5/32"	(29.3)	180	(.80)	10	(4.5)
B3170CT-1 1/4	1 1/4"	(32)	3/8"-16	2 1/2"	(63.5)	1 9/16"	(39.7)	1"	(25.4)	180	(.80)	12	(5.4)
B3170CT-1 1/2	1 1/2"	(40)	3/8"-16	2 15/16"	(74.6)	2"	(50.8)	1 5/16"	(33.3)	180	(.80)	12	(5.4)
B3170CT-2	2"	(50)	3/8"-16	3 1/8"	(79.4)	2 1/8"	(54.0)	1 3/16"	(30.2)	180	(.80)	12	(5.4)
B3170CT-2 1/2	2 1/2"	(65)	1/2"-13	4 1/16"	(103.2)	2 9/16"	(65.1)	1 3/8"	(34.9)	200	(.80)	31	(14.0)
B3170CT-3	3"	(80)	1/2"-13	3 15/16"	(100.0)	3 3/4"	(69.8)	1 1/4"	(31.7)	250	(1.11)	33	(14.9)
B3170CT-3 1/2	3 1/2"	(90)	1/2"-13	4 7/16"	(112.7)	3 1/4"	(82.5)	1 1/2"	(38.1)	300	(1.33)	38	(17.2)
B3170CT-4	4"	(100)	1/2"-13	4 11/16"	(119.1)	3 9/16"	(90.5)	1 9/16"	(39.7)	360	(1.60)	40	(18.1)
B3170CT-5	5"	(125)	1/2"-13	5 15/16"	(150.8)	4 5/16"	(109.5)	1 25/32"	(45.2)	480	(2.13)	95	(43.1)
B3170CT-6	6"	(150)	5/8"-11	6 11/16"	(169.9)	5 3/16"	(131.8)	2 1/8"	(54.0)	630	(2.80)	118	(53.5)

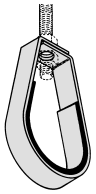
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



'B'
Bottom of pipe to top of hanger.
'C'
Center of pipe to top of hanger.
'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.
'E'
Adjustment
Top of pipe to top of hanger rod nut inside the hanger.
'F'
Minimum thread length of hanger rod.

B3172C



B3172F

Material: Steel (Stainless Steel Type 304 available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending non-insulated pipe allowing for vertical adjustment.

Ordering: Specify part number and finish

Approvals: Complies with Federal Specification WW-H-171E Type 7 and Manufacturers' Standardization Society SP-69 & SP-58 Type 7.

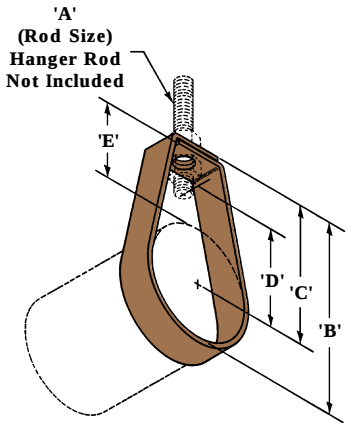
Figure B3172 Adjustable Band Hanger

(Available with plastic coating as B3172C-size or felt lined as B3172F-size)

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'	
B3172-1/2	1/2"	(15)	3/8"-16	2 5/8"	(66.7)	2 3/16"	(55.6)	1 7/16"	(36.5)
B3172-3/4	3/4"	(20)	3/8"-16	2 5/8"	(66.7)	2 1/16"	(52.4)	1 5/16"	(33.3)
B3172-1	1"	(25)	3/8"-16	2 11/16"	(68.3)	2 1/16"	(52.4)	1 5/16"	(33.3)
B3172-1 1/4	1 1/4"	(32)	3/8"-16	3 7/16"	(87.3)	2 9/16"	(65.1)	1 13/16"	(46.0)
B3172-1 1/2	1 1/2"	(40)	3/8"-16	3 11/16"	(93.7)	2 3/4"	(69.8)	2"	(50.8)
B3172-2	2"	(50)	3/8"-16	4 3/16"	(106.4)	3"	(76.2)	2 1/4"	(57.1)
B3172-2 1/2	2 1/2"	(65)	1/2"-13	4 7/8"	(123.8)	3 7/16"	(87.3)	2 7/16"	(61.9)
B3172-3	3"	(80)	1/2"-13	6"	(152.4)	4 1/4"	(107.9)	3 1/4"	(82.5)
B3172-3 1/2	3 1/2"	(90)	1/2"-13	6 1/8"	(155.6)	4 1/8"	(104.8)	3 1/8"	(79.4)
B3172-4	4"	(100)	5/8"-11	6 3/4"	(171.4)	4 1/2"	(114.3)	3 1/4"	(82.5)
B3172-5	5"	(125)	5/8"-11	7 3/4"	(196.8)	5"	(127.0)	4 3/4"	(120.6)
B3172-6	6"	(150)	3/4"-10	10"	(254.0)	6 11/16"	(169.9)	5 3/16"	(131.8)
B3172-8	8"	(200)	3/4"-10	11 7/8"	(301.6)	7 9/16"	(192.1)	6 13/16"	(173.0)

Part No.	'E'		'F'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3172-1/2	1 1/4"	(31.7)	2 1/2"	(63.5)	610	(2.71)	11	(5.0)
B3172-3/4	1"	(25.4)	2 1/2"	(63.5)	610	(2.71)	12	(5.4)
B3172-1	11/16"	(17.5)	2 1/2"	(63.5)	610	(2.71)	12	(5.4)
B3172-1 1/4	1 1/4"	(31.7)	2 1/2"	(63.5)	610	(2.71)	14	(6.3)
B3172-1 1/2	1 3/16"	(30.2)	2 1/2"	(63.5)	610	(2.71)	16	(7.2)
B3172-2	1 3/16"	(30.2)	2 1/2"	(63.5)	610	(2.71)	23	(10.4)
B3172-2 1/2	1 1/4"	(31.7)	3 1/2"	(88.9)	970	(4.31)	28	(12.7)
B3172-3	1 5/8"	(41.3)	3 1/2"	(88.9)	970	(4.31)	41	(18.6)
B3172-3 1/2	1 3/8"	(34.9)	3 1/2"	(88.9)	970	(4.31)	44	(19.9)
B3172-4	1 3/8"	(34.9)	3 1/2"	(88.9)	1250	(5.56)	81	(36.7)
B3172-5	1 1/4"	(31.7)	4"	(101.6)	1250	(5.56)	100	(45.3)
B3172-6	2 1/8"	(54.0)	4 1/2"	(114.3)	1600	(7.11)	160	(72.6)
B3172-8	2"	(50.8)	4 1/2"	(114.3)	1800	(8.00)	260	(117.9)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



B3172CT

'B'
Bottom of pipe
to top of hanger.

'C'
Center of pipe
to top of hanger.

'D'
Rod Take-Out
Center of pipe to
bottom of hanger rod.

'E'
Adjustment
Top of pipe to top
of hanger rod nut
inside the hanger.

'F'
Minimum thread
length of hanger rod.

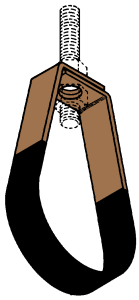
Material: Steel

Standard Finish: Dura-Copper®

Service: Designed for suspending copper tubing allowing for vertical adjustment. (Available with plastic coating to prevent contact between tubing and hanger).

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 7 and Manufacturers' Standardization Society SP-69 & SP-58 Type 7.



B3172CTC

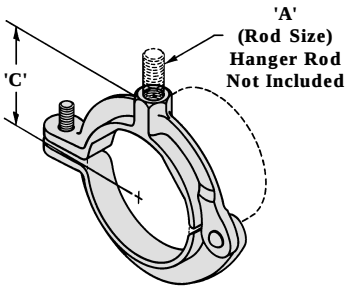
Figure B3172CT Adjustable Band Hanger
(Available with plastic coating as B3172CTC-size)

Part No.	Nominal Tubing Size		Rod Size 'A'	'B'		'C'		'D'	
B3172CT-1/2	1/2"	(15)	3/8"-16	2 9/16"	(65.1)	2 1/4"	(57.1)	1 1/2"	(38.1)
B3172CT-3/4	3/4"	(20)	3/8"-16	2 9/16"	(65.1)	2 1/8"	(54.0)	1 3/8"	(34.9)
B3172CT-1	1"	(25)	3/8"-16	2 9/16"	(65.1)	2"	(50.8)	1 1/4"	(31.7)
B3172CT-1 1/4	1 1/4"	(32)	3/8"-16	2 3/4"	(69.8)	2 1/16"	(52.4)	1 5/16"	(33.3)
B3172CT-1 1/2	1 1/2"	(40)	3/8"-16	3 1/8"	(79.4)	2 5/16"	(58.7)	1 9/16"	(39.7)
B3172CT-2	2"	(50)	3/8"-16	3 11/16"	(93.7)	2 5/8"	(66.7)	1 7/8"	(47.6)
B3172CT-2 1/2	2 1/2"	(65)	1/2"-13	4 1/2"	(114.3)	3 3/16"	(81.0)	2 5/16"	(58.7)
B3172CT-3	3"	(80)	1/2"-13	5"	(127.0)	3 7/16"	(87.3)	2 1/2"	(63.5)
B3172CT-3 1/2	3 1/2"	(90)	1/2"-13	5 3/4"	(146.0)	3 15/16"	(100.0)	3"	(76.2)
B3172CT-4	4"	(100)	1/2"-13	6 1/4"	(158.7)	4 3/16"	(106.4)	3 1/4"	(82.5)

Part No.	'E'		'F'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3172CT-1/2	1 7/16"	(36.5)	2 1/2"	(63.5)	610	(2.71)	12	(5.4)
B3172CT-3/4	1 3/16"	(30.2)	2 1/2"	(63.5)	610	(2.71)	12	(5.4)
B3172CT-1	15/16"	(23.8)	2 1/2"	(63.5)	610	(2.71)	12	(5.4)
B3172CT-1 1/4	7/8"	(22.2)	2 1/2"	(63.5)	610	(2.71)	12	(5.4)
B3172CT-1 1/2	1"	(25.4)	2 1/2"	(63.5)	610	(2.71)	13	(5.9)
B3172CT-2	1 1/16"	(27.0)	2 1/2"	(63.5)	610	(2.71)	16	(7.2)
B3172CT-2 1/2	1 1/4"	(31.7)	2 1/2"	(63.5)	970	(4.31)	30	(13.6)
B3172CT-3	1 3/16"	(30.2)	2 1/2"	(63.5)	970	(4.31)	32	(14.5)
B3172CT-3 1/2	1 7/16"	(36.5)	2 1/2"	(63.5)	970	(4.31)	40	(18.1)
B3172CT-4	1 7/16"	(36.5)	2 1/2"	(63.5)	970	(4.31)	49	(22.2)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

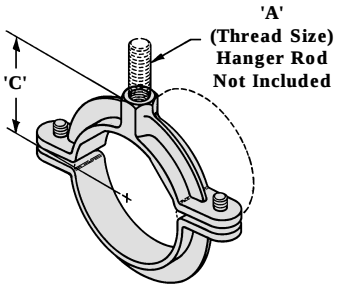
Service: Designed for suspending non-insulated pipe horizontally or vertically.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 25 and Manufacturers' Standardization Society SP-69 & SP-58 Type 12.

Figure B3198H Hinged Extension Split Pipe Clamp

Part No.	Nominal Pipe Size		Rod Size 'A'	'C'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3198H-3/8	3/8"	(10)	3/8"-16	31/32"	(24.6)	180	(.80)	9	(4.1)
B3198H-1/2	1/2"	(15)	3/8"-16	1 1/16"	(27.0)	180	(.80)	12	(5.4)
B3198H-3/4	3/4"	(20)	3/8"-16	1 7/32"	(30.9)	180	(.80)	12	(5.4)
B3198H-1	1"	(25)	3/8"-16	1 11/32"	(34.1)	180	(.80)	13	(5.9)
B3198H-1 1/4	1 1/4"	(32)	3/8"-16	1 19/32"	(39.7)	180	(.80)	18	(8.1)
B3198H-1 1/2	1 1/2"	(40)	3/8"-16	1 23/32"	(43.6)	180	(.80)	21	(9.5)
B3198H-2	2"	(50)	3/8"-16	2"	(50.8)	180	(.80)	44	(19.9)
B3198H-2 1/2	2 1/2"	(65)	1/2"-13	2 11/32"	(59.5)	300	(1.33)	73	(33.1)
B3198H-3	3"	(80)	1/2"-13	2 23/32"	(69.0)	300	(1.33)	95	(43.1)



Material: Malleable Iron or Steel (Stainless Steel Type 304 available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending non-insulated pipe horizontally.

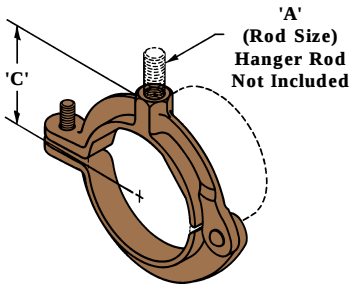
Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 25 and Manufacturers' Standardization Society SP-69 & SP-58 Type 12.

Figure B3198R Extension Split Pipe Clamp (Rod Thread)
Figure B3198P Extension Split Pipe Clamp (Pipe Thread)

Part No. Rod Thread	Part No. Pipe Thread	Nominal Pipe Size		Thread Size 'A' Rod	Pipe	'C'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3198R-3/8	B3198P-3/8	3/8"	(10)	3/8"-16	1/4"-18	31/32"	(24.6)	180	(.80)	12	(5.4)
B3198R-1/2	B3198P-1/2	1/2"	(15)	3/8"-16	1/4"-18	1 1/16"	(27.0)	180	(.80)	16	(7.2)
B3198R-3/4	B3198P-3/4	3/4"	(20)	3/8"-16	1/4"-18	1 7/32"	(30.9)	180	(.80)	18	(8.1)
B3198R-1	B3198P-1	1"	(25)	3/8"-16	1/4"-18	1 11/32"	(34.1)	180	(.80)	24	(10.9)
B3198R-1 1/4	B3198P-1 1/4	1 1/4"	(32)	3/8"-16	1/4"-18	1 19/32"	(39.7)	180	(.80)	29	(13.1)
B3198R-1 1/2	B3198P-1 1/2	1 1/2"	(40)	3/8"-16	1/4"-18	1 23/32"	(43.6)	180	(.80)	32	(14.5)
B3198R-2	B3198P-2	2"	(50)	3/8"-16	1/4"-18	2"	(50.8)	180	(.80)	39	(17.7)
B3198R-2 1/2	--	2 1/2"	(65)	1/2"-13	--	2 11/32"	(59.5)	300	(1.33)	115	(52.1)
B3198R-3	--	3"	(80)	1/2"-13	--	2 23/32"	(69.0)	300	(1.33)	140	(63.5)
B3198R-4	--	4"	(100)	1/2"-13	--	3 11/32"	(84.9)	300	(1.33)	160	(72.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

Standard Finish: Dura-Copper®

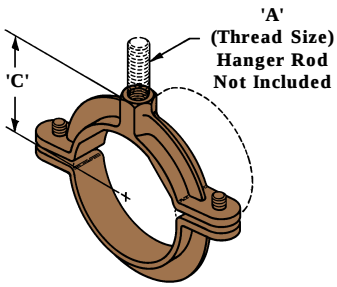
Service: Designed for suspending copper tubing horizontally or vertically.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 25 and Manufacturers' Standardization Society SP-69 & SP-58 Type 12.

Figure B3198HCT Hinged Extension Split Pipe Clamp

Part No.	Nominal Tubing Size		Rod Size 'A'	'C'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3198HCT-1/2	1/2"	(15)	3/8"-16	5/8"	(15.9)	180	(.80)	8	(3.6)
B3198HCT-3/4	3/4"	(20)	3/8"-16	13/16"	(20.6)	180	(.80)	10	(4.5)
B3198HCT-1	1"	(25)	3/8"-16	15/16"	(23.8)	180	(.80)	10	(4.5)
B3198HCT-1 1/4	1 1/4"	(32)	3/8"-16	1 1/8"	(28.6)	180	(.80)	14	(6.3)
B3198HCT-1 1/2	1 1/2"	(40)	3/8"-16	1 9/16"	(39.7)	180	(.80)	18	(8.1)
B3198HCT-2	2"	(50)	3/8"-16	1 7/8"	(47.6)	180	(.80)	23	(10.4)



Material: Malleable Iron

Standard Finish: Dura-Copper®

Service: Designed for suspending copper tubing horizontally.

Ordering: Specify part number and finish.

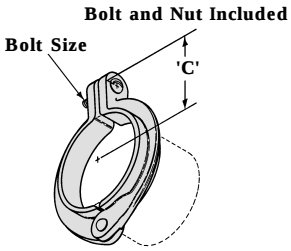
Approvals: Complies with Federal Specification WW-H-171E Type 25 and Manufacturers' Standardization Society SP-69 & SP-58 Type 12.

Figure B3198RCT Extension Split Pipe Clamp

Part No.	Nominal Tubing Size		Rod Size 'A'	'C'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3198RCT-3/8	3/8"	(10)	3/8"-16	11/16"	(17.5)	180	(.80)	12	(5.4)
B3198RCT-1/2	1/2"	(15)	3/8"-16	1 11/16"	(17.5)	180	(.80)	12	(5.4)
B3198RCT-3/4	3/4"	(20)	3/8"-16	7/8"	(22.2)	180	(.80)	14	(6.3)
B3198RCT-1	1"	(25)	3/8"-16	1 1/16"	(27.0)	180	(.80)	17	(7.7)
B3198RCT-1 1/4	1 1/4"	(32)	3/8"-16	1 1/8"	(28.6)	180	(.80)	17	(7.7)
B3198RCT-1 1/2	1 1/2"	(40)	3/8"-16	1 5/16"	(33.3)	180	(.80)	22	(10.0)
B3198RCT-2	2"	(50)	3/8"-16	1 1/2"	(38.1)	180	(.80)	26	(11.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

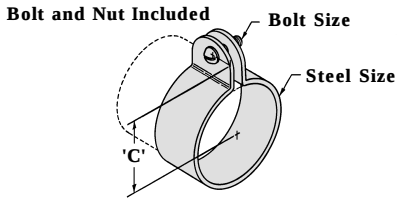
Service: Designed for suspending non-insulated pipe. (Use with B3222 Eye Socket or B3224 Hanger Adjuster).

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 11 and Manufacturers' Standardization Society SP-69 & SP-58 Type 11.

Figure B3173 Split Ring Hanger

Part No.	Nominal Pipe Size		'C'		Bolt Size	Design Load Lbs.	kN	Wt./C Lbs.	kg
B3173-3/8	3/8"	(10)	31/32"	(24.6)	1/4"-20 x 1"	200	(.89)	8	(3.6)
B3173-1/2	1/2"	(15)	1 1/16"	(27.0)	1/4"-20 x 1"	200	(.89)	12	(5.4)
B3173-3/4	3/4"	(20)	1 7/32"	(30.9)	1/4"-20 x 1"	300	(1.33)	14	(6.3)
B3173-1	1"	(25)	1 11/32"	(34.1)	1/4"-20 x 1"	300	(1.33)	14	(6.3)
B3173-1 1/4	1 1/4"	(32)	1 25/32"	(45.2)	1/4"-20 x 1"	300	(1.33)	23	(10.4)
B3173-1 1/2	1 1/2"	(40)	1 29/32"	(48.4)	1/4"-20 x 1 1/4"	300	(1.33)	28	(12.7)
B3173-2	2"	(50)	2 1/8"	(54.0)	1/4"-20 x 1 1/4"	300	(1.33)	38	(17.2)
B3173-2 1/2	2 1/2"	(65)	2 15/32"	(62.7)	1/4"-20 x 1 1/4"	450	(2.00)	43	(19.5)
B3173-3	3"	(80)	2 27/32"	(72.2)	1/4"-20 x 1 1/4"	450	(2.00)	69	(31.3)
B3173-4	4"	(100)	3 19/32"	(91.3)	3/8"-16 x 2"	520	(2.31)	99	(44.9)
B3173-5	5"	(125)	4 1/2"	(114.3)	3/8"-16 x 2"	520	(2.31)	150	(68.0)
B3173-6	6"	(150)	5 7/16"	(138.1)	1/2"-13 x 2"	1300	(5.78)	261	(118.4)
B3173-8	8"	(200)	6 3/8"	(161.9)	1/2"-13 x 2"	1800	(8.00)	522	(236.8)



Material: Steel

Standard Finish: Pre-Galvanized

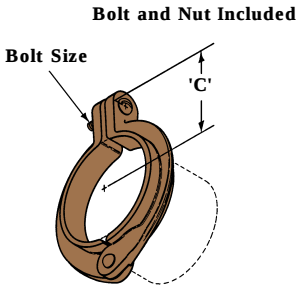
Service: Designed for suspending light-weight non-insulated pipe. (Use with B3222 Eye Socket or B3224 Hanger Adjuster).

Ordering: Specify part number and finish.

Figure B3175 Ring and Bolt Hanger

Part No.	Nominal Pipe Size		'C'		Bolt Size	Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3175-3/8	3/8"	(10)	1"	(25.4)	1/4"-20	18 Ga. x 7/8"	(1.2 x 22.2)	275	(1.22)	7.0	(3.2)
B3175-1/2	1/2"	(15)	1 1/16"	(27.0)	1/4"-20	18 Ga. x 7/8"	(1.2 x 22.2)	275	(1.22)	7.5	(3.4)
B3175-3/4	3/4"	(20)	1 3/16"	(30.2)	1/4"-20	18 Ga. x 7/8"	(1.2 x 22.2)	275	(1.22)	8.0	(3.6)
B3175-1	1"	(25)	1 5/16"	(33.3)	1/4"-20	18 Ga. x 7/8"	(1.2 x 22.2)	275	(1.22)	9.0	(4.1)
B3175-1 1/4	1 1/4"	(32)	1 1/2"	(38.1)	1/4"-20	18 Ga. x 7/8"	(1.2 x 22.2)	275	(1.22)	10.5	(4.7)
B3175-1 1/2	1 1/2"	(40)	1 5/8"	(41.3)	1/4"-20	18 Ga. x 7/8"	(1.2 x 22.2)	275	(1.22)	11.5	(5.2)
B3175-2	2"	(50)	1 13/16"	(46.0)	1/4"-20	18 Ga. x 7/8"	(1.2 x 22.2)	275	(1.22)	13.0	(5.9)
B3175-2 1/2	2 1/2"	(65)	2 5/16"	(58.7)	5/16"-18	16 Ga. x 1 1/4"	(1.5 x 31.7)	500	(2.22)	30.0	(13.6)
B3175-3	3"	(80)	2 5/8"	(66.7)	5/16"-18	16 Ga. x 1 1/4"	(1.5 x 31.7)	500	(2.22)	35.0	(15.9)
B3175-3 1/2	3 1/2"	(90)	2 7/8"	(73.0)	5/16"-18	16 Ga. x 1 1/4"	(1.5 x 31.7)	500	(2.22)	38.5	(17.4)
B3175-4	4"	(100)	3 1/8"	(79.4)	5/16"-18	16 Ga. x 1 1/4"	(1.5 x 31.7)	500	(2.22)	42.0	(19.0)
B3175-5	5"	(125)	3 5/8"	(92.1)	5/16"-18	16 Ga. x 1 1/4"	(1.5 x 31.7)	500	(2.22)	51.0	(23.1)
B3175-6	6"	(150)	4 3/16"	(106.4)	5/16"-18	16 Ga. x 1 1/4"	(1.5 x 31.7)	500	(2.22)	58.5	(26.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

Standard Finish: Dura-Copper®

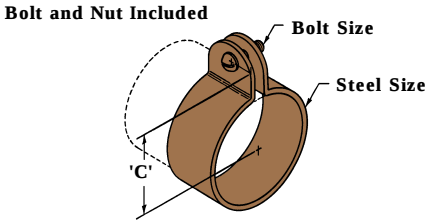
Service: Designed for suspending copper tubing. (Use with B3222 Eye Socket or B3224 Hanger Adjuster).

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specifications WW-H-171E Type 11 and Manufacturers' Standardization Society SP-69 & SP-58 Type 11.

Figure B3173CT Split Ring Hanger

Part No.	Nominal Tubing Size		'C'		Bolt Size	Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3173CT-1/2	1/2"	(15)	15/16"	(23.8)	1/4"-20 x 1"	200	(.89)	7	(3.2)
B3173CT-3/4	3/4"	(20)	1 1/16"	(27.0)	1/4"-20 x 1"	200	(.89)	12	(5.4)
B3173CT-1	1"	(25)	1 1/4"	(31.7)	1/4"-20 x 1"	300	(1.33)	12	(5.4)
B3173CT-1 1/4	1 1/4"	(32)	1 3/8"	(34.9)	1/4"-20 x 1"	300	(1.33)	13	(5.9)
B3173CT-1 1/2	1 1/2"	(40)	1 3/4"	(44.4)	1/4"-20 x 1"	300	(1.33)	23	(10.4)
B3173CT-2	2"	(50)	2"	(50.8)	1/4"-20 x 1"	300	(1.33)	33	(14.9)
B3173CT-2 1/2	2 1/2"	(65)	2"	(50.8)	1/4"-20 x 1 1/4"	450	(2.00)	35	(15.9)
B3173CT-3	3"	(80)	2 3/16"	(55.6)	1/4"-20 x 1 1/4"	450	(2.00)	46	(20.8)
B3173CT-3 1/2	3 1/2"	(90)	2 9/16"	(65.1)	1/4"-20 x 1 1/4"	450	(2.00)	62	(28.1)
B3173CT-4	4"	(100)	2 7/8"	(73.0)	1/4"-20 x 1 1/4"	520	(2.31)	85	(38.5)



Material: Steel

Standard Finish: Dura-Copper®

Service: Designed for suspending copper tubing allowing for vertical adjustment. (Use with B3222 Eye Socket or B3224 Hanger Adjuster).

Ordering: Specify part number and finish.

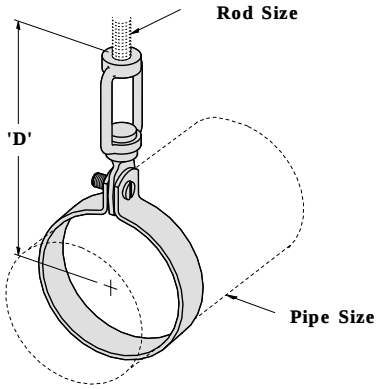
Figure B3175CT Ring & Bolt

Part No.	Nominal Tubing Size		'C'		Bolt Size	Steel Size		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3175CT-3/8	3/8"	(10)	1"	(25.4)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	7	(3.2)
B3175CT-1/2	1/2"	(15)	1 5/16"	(33.3)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	8	(3.6)
B3175CT-3/4	3/4"	(20)	1 3/8"	(34.9)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	8	(3.6)
B3175CT-1	1"	(25)	1 3/16"	(30.2)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	8	(3.6)
B3175CT-1 1/4	1 1/4"	(32)	1 5/16"	(33.3)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	10	(4.5)
B3175CT-1 1/2	1 1/2"	(40)	1 1/2"	(38.1)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	11	(5.0)
B3175CT-2	2"	(50)	1 15/16"	(49.2)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	11	(5.0)
B3175CT-2 1/2	2 1/2"	(65)	2 3/16"	(55.6)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	12	(5.4)
B3175CT-3	3"	(80)	2 11/16"	(68.3)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	14	(6.3)
B3175CT-3 1/2	3 1/2"	(90)	2 15/16"	(74.6)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	16	(7.2)
B3175CT-4	4"	(100)	3 3/16"	(81.0)	1/4"-20 x 1"	1/16" x 7/8"	(1.6 x 22.2)	200	(.89)	18	(8.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS

New



Material: Steel Ring & Bolt
Malleable Iron Hanger Adjuster

Standard Finish: Plain and Pre-Galvanized

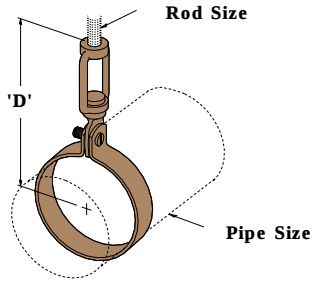
Service: Designed to support pipe and allow vertical rod adjustment.

Ordering: Specify part number and finish.
B3225 Series for 3/8"-16 hanger rod
B3226 Series for 1/2"-13 hanger rod

Figure B3225 & B3226 Government Type Hanger

B3225 Series Part No.	Rod Size	B3226 Series Part No.	Rod Size	Pipe Size		'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3225-3/8	3/8"-16	B3226-3/8	1/2"-13	3/8"	(10)	4 7/8"	(123.8)	275	(1.22)	35	(15.9)
B3225-1/2	3/8"-16	B3226-1/2	1/2"-13	1/2"	(15)	4 15/16"	(125.4)	275	(1.22)	36	(16.3)
B3225-3/4	3/8"-16	B3226-3/4	1/2"-13	3/4"	(20)	5 1/16"	(128.6)	275	(1.22)	36	(16.3)
B3225-1	3/8"-16	B3226-1	1/2"-13	1"	(25)	5 3/16"	(131.7)	275	(1.22)	36	(16.3)
B3225-1 1/4	3/8"-16	B3226-1 1/4	1/2"-13	1 1/4"	(32)	5 3/8"	(136.5)	275	(1.22)	38	(17.2)
B3225-1 1/2	3/8"-16	B3226-1 1/2	1/2"-13	1 1/2"	(40)	5 1/2"	(139.7)	275	(1.22)	39	(17.7)
B3225-2	3/8"-16	B3226-2	1/2"-13	2"	(50)	5 11/16"	(144.4)	275	(1.22)	39	(17.7)
B3225-2 1/2	3/8"-16	B3226-2 1/2	1/2"-13	2 1/2"	(65)	6 3/16"	(157.1)	500	(2.22)	40	(18.1)
B3225-3	3/8"-16	B3226-3	1/2"-13	3"	(80)	6 1/2"	(165.1)	500	(2.22)	42	(19.0)
B3225-3 1/2	3/8"-16	B3226-3 1/2	1/2"-13	3 1/2"	(90)	6 3/4"	(171.4)	500	(2.22)	44	(19.9)
B3225-4	3/8"-16	B3226-4	1/2"-13	4"	(100)	7"	(177.8)	500	(2.22)	46	(20.8)

New



Design Load:
200 Lbs. (.89 kN)

Material: Steel Ring & Bolt
Malleable Iron Hanger Adjuster

Standard Finish: Dura-Copper®

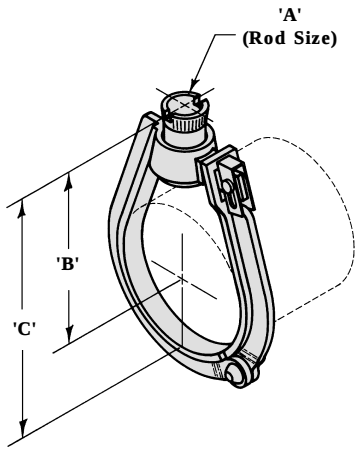
Service: Designed to support tubing and allow vertical rod adjustment.

Ordering: Specify part number and finish.
B3225CT Series for 3/8"-16 hanger rod
B3226CT Series for 1/2"-13 hanger rod

Figure B3225CT & B3226CT Government Type Hanger

B3225 Series Part No.	Rod Size	B3226 Series Part No.	Rod Size	Tubing Size		'D'		Wt./C Lbs.	kg
B3225CT-3/8	3/8"-16	B3226CT-3/8	1/2"-13	3/8"	(10)	4 7/8"	(123.8)	35	(15.9)
B3225CT-1/2	3/8"-16	B3226CT-1/2	1/2"-13	1/2"	(15)	5 3/16"	(131.7)	36	(16.3)
B3225CT-3/4	3/8"-16	B3226CT-3/4	1/2"-13	3/4"	(20)	5 1/4"	(133.3)	36	(16.3)
B3225CT-1	3/8"-16	B3226CT-1	1/2"-13	1"	(25)	5 1/16"	(128.6)	36	(16.3)
B3225CT-1 1/4	3/8"-16	B3226CT-1 1/4	1/2"-13	1 1/4"	(32)	5 3/16"	(131.7)	38	(17.2)
B3225CT-1 1/2	3/8"-16	B3226CT-1 1/2	1/2"-13	1 1/2"	(40)	5 3/8"	(136.5)	39	(17.7)
B3225CT-2	3/8"-16	B3226CT-2	1/2"-13	2"	(50)	5 13/16"	(147.6)	39	(17.7)
B3225CT-2 1/2	3/8"-16	B3226CT-2 1/2	1/2"-13	2 1/2"	(65)	6 1/16"	(154.0)	40	(18.1)
B3225CT-3	3/8"-16	B3226CT-3	1/2"-13	3"	(80)	6 9/16"	(166.7)	42	(19.0)
B3225CT-3 1/2	3/8"-16	B3226CT-3 1/2	1/2"-13	3 1/2"	(90)	6 13/16"	(173.0)	44	(19.9)
B3225CT-4	3/8"-16	B3226CT-4	1/2"-13	4"	(100)	7 1/16"	(179.4)	46	(20.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Hanger may be installed prior to hoisting pipe in place.

Approvals: Complies with Federal Specification WW-H-171E Type 6 and Manufacturers Standardization Society SP-69 & SP-58 Type 6.

Ordering: Specify part number and finish.

Note:
Hanger sizes 3/4" (20) thru 2" (50) swivel nut is flared as shown in drawing.

Hanger sizes 2 1/2" (65) thru 8" (200) swivel nut has wire retaining ring.

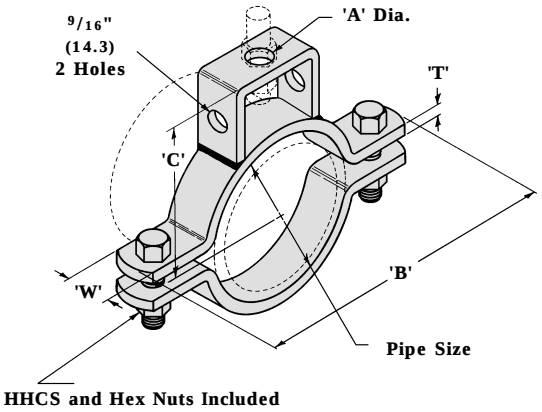
Figure B3171 Adjustable Swivel Ring

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'	
B3171-3/4	3/4"	(20)	3/8"-16	2 1/8"	(54.0)	2 5/8"	(66.7)
B3171-1	1"	(25)	3/8"-16	2 5/16"	(58.7)	3"	(76.2)
B3171-1 1/4	1 1/4"	(32)	3/8"-16	2 9/16"	(65.1)	3 3/8"	(85.7)
B3171-1 1/2	1 1/2"	(40)	3/8"-16	2 3/4"	(69.8)	3 3/4"	(95.2)
B3171-2	2"	(50)	3/8"-16	3 1/16"	(77.8)	4 1/4"	(107.9)
B3171-2 1/2	2 1/2"	(65)	1/2"-13	4 5/16"	(109.5)	5 3/4"	(146.0)
B3171-3	3"	(80)	1/2"-13	4 5/8"	(117.5)	6 3/8"	(161.9)
B3171-4	4"	(100)	5/8"-11	6"	(152.4)	8 1/4"	(209.5)
B3171-5	5"	(125)	5/8"-11	6 3/4"	(171.4)	9 1/2"	(241.3)
B3171-6	6"	(150)	3/4"-10	7 11/16"	(195.3)	11"	(279.4)
B3171-8	8"	(200)	7/8"-9	9 11/16"	(246.1)	14"	(355.6)

Part No.	Nominal Pipe Size		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3171-3/4	3/4"	(20)	300	(1.33)	23	(10.4)
B3171-1	1"	(25)	300	(1.33)	25	(11.3)
B3171-1 1/4	1 1/4"	(32)	300	(1.33)	30	(13.6)
B3171-1 1/2	1 1/2"	(40)	300	(1.33)	32	(14.5)
B3171-2	2"	(50)	300	(1.33)	34	(15.4)
B3171-2 1/2	2 1/2"	(65)	500	(2.22)	65	(29.5)
B3171-3	3"	(80)	500	(2.22)	78	(35.4)
B3171-4	4"	(100)	900	(4.00)	154	(69.8)
B3171-5	5"	(125)	900	(4.00)	200	(90.7)
B3171-6	6"	(150)	1300	(5.78)	320	(145.1)
B3171-8	8"	(200)	1800	(8.00)	500	(226.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting non-insulated stationary pipe, allowing vertical adjustment and flexibility for seismic bracing.

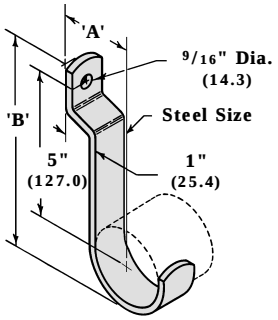
Ordering: Specify part number and finish.

Figure B386 Suspension Rod Pipe Clamp

Part No.	Pipe Size		'A'		'B'		'C'	
B386-3/4	3/4"	(20)	7/16"	(11.1)	3 5/16"	(84.1)	2 3/16"	(55.6)
B386-1	1"	(25)	7/16"	(11.1)	3 3/4"	(95.2)	2 5/16"	(58.7)
B386-1 1/4	1 1/4"	(32)	7/16"	(11.1)	4"	(101.6)	2 17/32"	(64.3)
B386-1 1/2	1 1/2"	(40)	7/16"	(11.1)	4 5/16"	(109.6)	2 11/16"	(68.3)
B386-2	2"	(50)	7/16"	(11.1)	5 1/2"	(139.7)	3 5/16"	(84.1)
B386-2 1/2	2 1/2"	(65)	9/16"	(14.3)	6 3/8"	(161.9)	3 1/2"	(88.9)
B386-3	3"	(80)	9/16"	(14.3)	7"	(177.8)	3 7/8"	(98.4)
B386-3 1/2	3 1/2"	(90)	9/16"	(14.3)	7 9/16"	(192.1)	4 1/8"	(104.8)
B386-4	4"	(100)	9/16"	(14.3)	8 5/8"	(219.1)	4 3/8"	(111.1)
B386-5	5"	(125)	11/16"	(17.4)	9 3/4"	(247.6)	5 3/16"	(131.8)
B386-6	6"	(150)	11/16"	(17.4)	11 5/8"	(295.3)	6 1/16"	(154.0)
B386-8	8"	(200)	13/16"	(20.6)	13 7/8"	(352.4)	7 1/8"	(181.0)

Part No.	Pipe Size		'T'		'W'		Wt./C Lbs.	Wt./C kg
B386-3/4	3/4"	(20)	1/8"	(3.2)	1"	(25.4)	46	(20.8)
B386-1	1"	(25)	1/8"	(3.2)	1"	(25.4)	51	(23.1)
B386-1 1/4	1 1/4"	(32)	1/8"	(3.2)	1"	(25.4)	52	(23.6)
B386-1 1/2	1 1/2"	(40)	1/8"	(3.2)	1"	(25.4)	54	(24.5)
B386-2	2"	(50)	1/4"	(6.3)	1"	(25.4)	134	(60.8)
B386-2 1/2	2 1/2"	(65)	1/4"	(6.3)	1"	(25.4)	157	(71.2)
B386-3	3"	(80)	1/4"	(6.3)	1"	(25.4)	168	(76.2)
B386-3 1/2	3 1/2"	(90)	1/4"	(6.3)	1"	(25.4)	197	(89.3)
B386-4	4"	(100)	1/4"	(6.3)	1 1/4"	(31.7)	270	(122.4)
B386-5	5"	(125)	1/4"	(6.3)	1 1/4"	(31.7)	308	(139.7)
B386-6	6"	(150)	3/8"	(9.5)	1 1/2"	(38.1)	609	(276.2)
B386-8	8"	(200)	3/8"	(9.5)	1 1/2"	(38.1)	713	(323.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel (Stainless steel available)

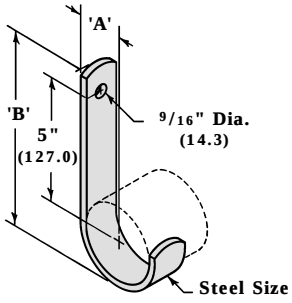
Standard Finish: Plain or Electro-Plated

Service: Designed for supporting light pipe runs with a 1" (25.4) offset from mounting surfaces.

Ordering: Specify part number and finish.

Figure B3190 Offset J-Hook

Part No.	Nominal Pipe Size		'A'		'B'		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3190-1/2	1/2"	(15)	1 15/32"	(37.3)	6 25/32"	(172.2)	3/16" x 1 1/4"	(4.8 x 31.7)	200	(.89)	56	(25.4)
B3190-3/4	3/4"	(20)	1 9/16"	(39.7)	6 7/8"	(174.6)	3/16" x 1 1/4"	(4.8 x 31.7)	200	(.89)	59	(26.7)
B3190-1	1"	(25)	1 11/16"	(42.9)	7 1/16"	(179.4)	1/4" x 1 1/4"	(6.3 x 31.7)	200	(.89)	81	(36.7)
B3190-1 1/4	1 1/4"	(32)	1 7/8"	(47.6)	7 1/4"	(184.1)	1/4" x 1 1/4"	(6.3 x 31.7)	200	(.89)	86	(39.0)
B3190-1 1/2	1 1/2"	(40)	1 31/32"	(50.0)	7 11/32"	(186.5)	1/4" x 1 1/4"	(6.3 x 31.7)	200	(.89)	89	(40.4)
B3190-2	2"	(50)	2 7/32"	(56.3)	7 19/32"	(192.9)	1/4" x 1 1/4"	(6.3 x 31.7)	200	(.89)	96	(43.5)
B3190-2 1/2	2 1/2"	(65)	2 15/32"	(62.7)	7 27/32"	(199.2)	1/4" x 1 1/2"	(6.3 x 38.1)	350	(1.55)	125	(56.7)
B3190-3	3"	(80)	2 25/32"	(70.6)	8 5/32"	(207.1)	1/4" x 1 1/2"	(6.3 x 38.1)	350	(1.55)	134	(60.8)
B3190-4	4"	(100)	3 9/32"	(83.3)	8 25/32"	(223.0)	3/8" x 1 1/2"	(9.5 x 38.1)	450	(2.00)	226	(102.5)



Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting light pipe runs which require no clearance between mounting surfaces.

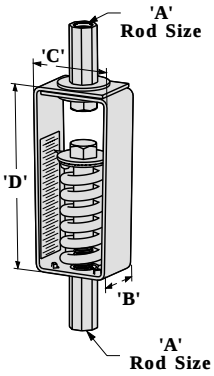
Ordering: Specify part number, size and finish.

Figure B3191 Straight J-Hook

Part No.	Nominal Pipe Size		'A'		'B'		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3191-1/2	1/2"	(15)	21/32"	(16.6)	6 25/32"	(172.2)	3/16" x 1 1/4"	(4.8 x 31.7)	200	(.89)	54	(24.5)
B3191-3/4	3/4"	(20)	3/4"	(19.0)	6 7/8"	(174.6)	3/16" x 1 1/4"	(4.8 x 31.7)	200	(.89)	56	(25.4)
B3191-1	1"	(25)	15/16"	(23.8)	7 1/16"	(179.4)	1/4" x 1 1/4"	(4.8 x 31.7)	200	(.89)	78	(35.4)
B3191-1 1/4	1 1/4"	(32)	1 1/8"	(28.6)	7 1/4"	(184.1)	1/4" x 1 1/4"	(6.3 x 31.7)	200	(.89)	84	(38.1)
B3191-1 1/2	1 1/2"	(40)	1 7/32"	(30.9)	7 11/32"	(186.5)	1/4" x 1 1/4"	(6.3 x 31.7)	200	(.89)	86	(39.0)
B3191-2	2"	(50)	1 15/32"	(37.3)	7 19/32"	(192.9)	1/4" x 1 1/4"	(6.3 x 31.7)	200	(.89)	93	(42.2)
B3191-2 1/2	2 1/2"	(65)	1 23/32"	(43.6)	7 27/32"	(199.2)	1/4" x 1 1/2"	(6.3 x 38.1)	350	(1.55)	120	(54.4)
B3191-3	3"	(80)	2 1/32"	(51.6)	8 3/8"	(212.7)	1/4" x 1 1/2"	(6.3 x 38.1)	350	(1.55)	134	(60.8)
B3191-4	4"	(100)	2 21/32"	(67.4)	8 25/32"	(223.0)	3/8" x 1 1/2"	(9.5 x 38.1)	450	(2.00)	223	(101.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE HANGERS



Material: Steel

Standard Finish: Painted

Service: Designed for use with a light piping system where vertical movement does not exceed 1 1/4" (31.7).

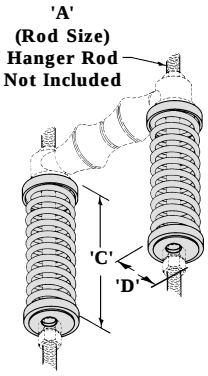
Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 49 and Manufacturers' Standardization Society SP-69 & SP-58 Type 48.

Figure B3262 Light Duty Spring Hanger

Part No.	Rod Size 'A'	'B'		'C'		'D'	
B3262-3/8	3/8"-16	2"	(50)	2 3/4"	(69.8)	4 1/2"	(114.3)
B3262-1/2	1/2"-13	2"	(50)	2 3/4"	(69.8)	4 1/2"	(114.3)
B3262-5/8	5/8"-11	2"	(50)	2 3/4"	(69.8)	4 1/2"	(114.3)
B3262-3/4	3/4"-10	2"	(50)	3"	(76.2)	7"	(177.8)

Part No.	Spring Deflection In	mm	Rated Load Lbs.	kN	Wt./C Lbs.	kg
B3262-3/8	1.20"	(30.1)	100-150	(.44-.67)	390	(176.2)
B3262-1/2	1.10"	(27.7)	150-250	(.67-1.11)	410	(186.0)
B3262-5/8	1.00"	(25.4)	350-450	(1.56-2.00)	470	(213.2)
B3262-3/4	1.20"	(30.1)	600-750	(2.67-3.34)	1240	(562.6)



Includes:
2 Springs
4 Cup Washers

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for use with B3114 as a cushion spring for a piping system where vertical movement does not exceed 1 1/4" (31.7).

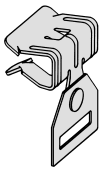
Ordering: Specify part number, size and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 50 and Manufacturers' Standardization Society SP-69 & SP-58 Type 49.

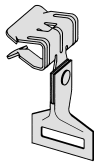
Figure B3264 Spring Cushion Hanger

Part No.	Rod Size 'A'	Free Height 'C'		'D'		Spring Deflection Per Spring Lbs./In.	kg/mm	Maximum Load at 1" (25.4) Deflection-2 Springs Lbs.	kN	Wt./CPR Lbs.	kg
B3264-1	3/8"-16	3"	(76.2)	1 11/16"	(42.8)	30	(0.5)	78	(.34)	100	(45.3)
B3264-2	3/8"-16	3 1/4"	(82.5)	1 11/16"	(42.8)	105	(1.9)	210	(.93)	100	(45.3)
B3264-3	5/8"-11	3 1/4"	(82.5)	2 3/16"	(55.5)	133	(2.4)	330	(1.47)	200	(90.7)
B3264-4	5/8"-11	3 1/4"	(82.5)	2 3/16"	(55.5)	263	(4.7)	520	(2.31)	200	(90.7)
B3264-5	3/4"-10	4 5/8"	(117.5)	2 5/16"	(58.7)	707	(12.6)	1500	(6.67)	400	(181.4)
B3264-6	1"-8	4 7/8"	(123.8)	3 1/4"	(82.5)	1600	(28.6)	3200	(14.23)	700	(317.5)

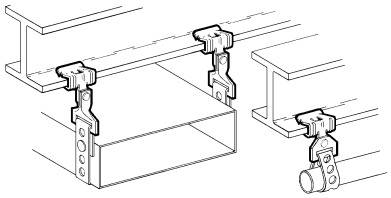
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Parallel Strap



Right Angle Strap



Material: Steel

Standard Finish: Zinc Phosphate

Service: The Parallel Strap Hanger series is designed for suspending up to 1" (50.8) wide straps parallel to beams.
The Right Angle Strap Hanger series is designed for suspending up to 1" (50.8) wide straps at right angle to the beam.

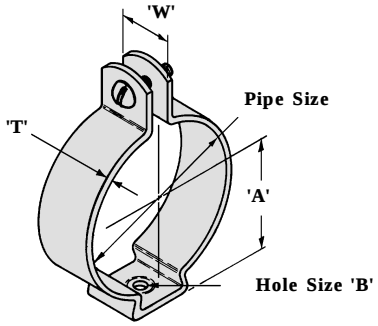
Note: Install clip to beam with hammer.

Ordering: Specify part number and finish.

Figure BH-2-4, BH-5-8, BH-9-12 Parallel Strap Hangers
Figure BH-2-4-R, BH-5-8-R, BH-9-12-R Right Angle Strap Hangers

Part No.		Flange Thickness		Maximum Load		Wt./C			
						BH-2-12		BH-2-12R	
Parallel	Right Angle			Lbs.	kN	Lbs.	kg	Lbs.	kg
BH-2-4	BH-2-4-R	1/8" to 1/4"	(3.2 to 6.3)	200	(.89)	4.5	(2.0)	6.0	(2.7)
BH-5-8	BH-5-8-R	5/16" to 1/2"	(7.9 to 12.7)	200	(.89)	5.0	(2.3)	6.5	(2.9)
BH-9-12	BH-9-12-R	9/16" to 3/4"	(14.3 to 19.0)	200	(.89)	5.5	(2.5)	7.0	(3.2)

Design Load is a static straight down load.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed to support or suspend light duty stationary pipe runs.

Ordering: Specify part number.

Figure B1400 Hanger

Part No.	Pipe Size		'A'		'B'		'T'		'W'		Wt./C	
											Lbs.	kg
B1400	1/2"	(15)	29/32"	(23.0)	9/32"	(7.1)	16 Ga.	(1.5)	3/4"	(19.0)	6	(2.7)
B1410	3/4"	(20)	31/32"	(24.6)	9/32"	(7.1)	16 Ga.	(1.5)	3/4"	(19.0)	7	(3.2)
B1420	1"	(25)	1 1/4"	(31.7)	9/32"	(7.1)	16 Ga.	(1.5)	3/4"	(19.0)	8	(3.6)
B1430	1 1/4"	(32)	1 13/32"	(35.7)	9/32"	(7.1)	18 Ga.	(1.5)	7/8"	(22.2)	10	(4.5)
B1440	1 1/2"	(40)	1 5/8"	(41.3)	11/32"	(8.7)	16 Ga.	(1.5)	1"	(25.4)	17	(7.7)
B1450	2"	(50)	1 7/8"	(47.6)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	25	(11.3)
B1460	2 1/2"	(65)	2 1/16"	(52.4)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	26	(11.8)
B1470	3"	(80)	2 1/2"	(63.5)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	33	(14.9)
B1480	3 1/2"	(90)	2 3/4"	(69.8)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	36	(16.3)
B1490	4"	(100)	3 1/2"	(88.9)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	40	(18.1)

Designed for positioning only, no load rating.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE CLAMPS

Pipe clamps offered in this section are designed for support and attachment of pipe to structural members. A wide range of pipe clamps are available for various applications.

Materials

Carbon Steel is used in the manufacturing of riser and pipe clamps. Stainless Steel and other materials are available.

Finishes

The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating, Dura-Green® and other special coatings are available upon request.

Note: Due to the design of some products, (threads, connecting hardware, swivels, etc.) items may or may not be uniformly coated with special finishes. In some cases, the hanger itself may be coated, however, the hardware may be supplied Electro-Plated, Copper Plated, or in Stainless Steel.

Recommended Torque

(Pipe Clamp Hardware)

Bolt Size	1/4"-20	5/16"-18	3/8"-16
Foot-Lbs.	6	11	19
Nm	(8)	(15)	(26)

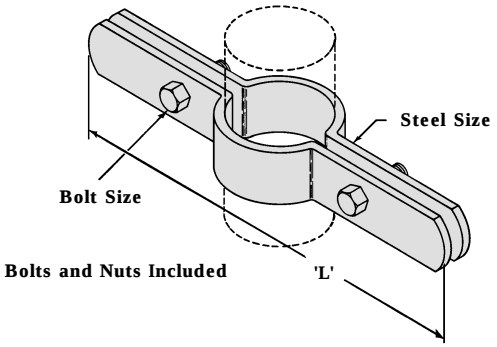
Bolt Size	1/2"-13	5/8"-11	3/4"-10 & larger
Foot-Lbs.	50	65	75
Nm	(68)	(88)	(101)

Approvals (as noted)

Items in this section are Underwriters' Laboratories Listed, Factory Mutual Approved, comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 & SP-58.

All pipe hangers and supports in this section are sized to fit schedule 40/80 pipe unless otherwise noted. Some steel items may be specially fabricated to fit other pipe diameters i.e. ductile iron, cast iron, etc. Select pipe O.D. from charts on pages 176 thru 182.

B-Line®



Material: Steel (Stainless steel available)

Standard Finish: Plain, Electro-Plated, Dura-Green® or Hot-Dipped Galvanized

Service: Designed for supporting and stabilizing vertical pipe runs. Clamp is fitted for steel pipe and preferably installed below a coupling or shear lugs. Torque bolts to values given on page 60.

Ordering: Specify part number and finish.

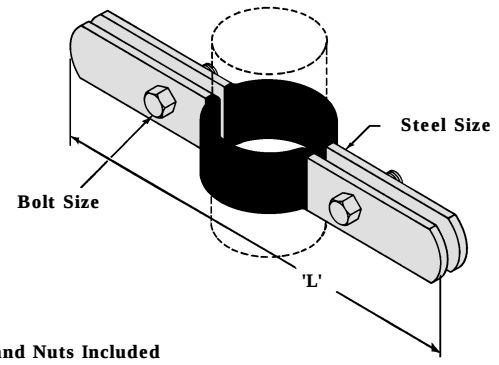
Approvals: Underwriters' Laboratories Listed for 3/4" (20) thru 8" (200). Complies with Federal Specification WW-H-171E Type 8 and Manufacturers' Standardization Society SP-69 & SP-58 Type 8.

Figure B3373 Standard Riser Clamp

Part No.	Nominal Pipe Size		'L'		Steel Size		Bolt Size	Design Load Lbs.	kN	Wt./C Lbs.	kg
B3373-1/2	1/2"	(15)	9"	(228.6)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	255	(1.13)	101	(45.9)
B3373-3/4	3/4"	(20)	9 1/4"	(234.9)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	255	(1.13)	105	(47.7)
B3373-1	1"	(25)	9 9/16"	(242.9)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	255	(1.13)	109	(49.4)
B3373-1 1/4	1 1/4"	(32)	10"	(254.0)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/2"	255	(1.13)	112	(50.9)
B3373-1 1/2	1 1/2"	(40)	10 5/16"	(261.9)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/2"	255	(1.13)	113	(51.1)
B3373-2	2"	(50)	10 3/4"	(273.0)	1/4" x 1"	(6.3 x 25.4)	3/8"-16 x 1 1/2"	255	(1.13)	165	(75.0)
B3373-2 1/2	2 1/2"	(65)	11 1/4"	(285.7)	1/4" x 1"	(6.3 x 25.4)	3/8"-16 x 1 1/2"	390	(1.73)	180	(81.6)
B3373-3	3"	(80)	11 15/16"	(303.2)	1/4" x 1"	(6.3 x 25.4)	3/8"-16 x 1 1/2"	530	(2.35)	195	(88.4)
B3373-3 1/2	3 1/2"	(90)	12 3/8"	(314.3)	1/4" x 1"	(6.3 x 25.4)	1/2"-13 x 1 3/4"	670	(2.98)	217	(98.5)
B3373-4	4"	(100)	12 7/8"	(327.0)	1/4" x 1"	(6.3 x 25.4)	1/2"-13 x 1 3/4"	810	(3.60)	228	(103.5)
B3373-5	5"	(125)	14"	(355.6)	1/4" x 1 1/2"	(6.3 x 38.1)	1/2"-13 x 2"	1160	(5.16)	480	(217.7)
B3373-6	6"	(150)	15 1/16"	(382.6)	1/4" x 1 1/2"	(6.3 x 38.1)	1/2"-13 x 2"	1570	(6.98)	526	(238.6)
B3373-8	8"	(200)	17 1/4"	(438.2)	3/8" x 1 1/2"	(9.5 x 38.1)	5/8"-11 x 2 1/2"	2500	(11.12)	957	(434.1)
B3373-10	10"	(250)	19 7/16"	(493.7)	3/8" x 2"	(9.5 x 50.8)	5/8"-11 x 2 1/2"	2500	(11.12)	1101	(499.4)
B3373-12	12"	(300)	21 11/16"	(550.9)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	2700	(12.01)	1622	(735.7)
B3373-14	14"	(350)	23 1/2"	(596.9)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	2700	(12.01)	1732	(785.6)
B3373-16	16"	(400)	25 5/8"	(650.9)	5/8" x 2 1/2"	(15.9 x 63.5)	3/4"-10 x 3"	2900	(12.90)	2959	(1342.2)
B3373-18	18"	(450)	27 5/8"	(701.7)	5/8" x 2 1/2"	(15.9 x 63.5)	3/4"-10 x 3"	2900	(12.90)	3235	(1467.4)
B3373-20	20"	(500)	30"	(762.0)	5/8" x 2 1/2"	(15.9 x 63.5)	3/4"-10 x 3 1/2"	2900	(12.90)	3568	(1618.4)
B3373-24	24"	(600)	33 1/2"	(850.9)	5/8" x 2 1/2"	(15.9 x 63.5)	3/4"-10 x 3 1/2"	2900	(12.90)	4064	(1843.3)
B3373-30	30"	(750)	40"	(1016.0)	5/8" x 3"	(15.9 x 76.2)	7/8"-9 x 3 1/2"	2900	(12.90)	6016	(2728.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE CLAMPS



Bolts and Nuts Included

Material: Steel

Standard Finish: Plain or Electro-Plated with Plastic Coating

Service: Designed to support and stabilize vertical runs of pipe. Plastic coated to prevent contact between pipe and riser clamp. Torque bolts to values given on page 60.

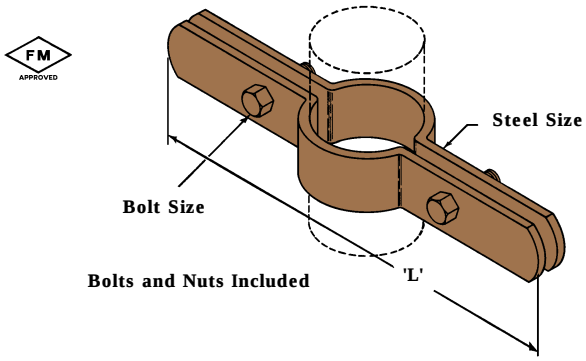
Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 8 and Manufacturers' Standardization Society SP-69 & SP-58 Type 8.

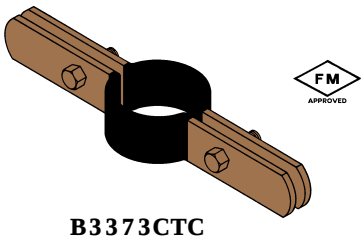
Figure B3373C Riser Clamp - Plastic Coated

Part No.	Nominal Pipe Size		'L'		Steel Size		Bolt Size	Design Load Lbs.	kN	Wt./C Lbs.	kg
B3373C-1/2	1/2"	(15)	9"	(228.6)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	225	(1.13)	125	(56.7)
B3373C-3/4	3/4"	(20)	9 1/4"	(234.9)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	225	(1.13)	127	(57.6)
B3373C-1	1"	(25)	9 9/16"	(242.9)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	225	(1.13)	141	(63.9)
B3373C-1 1/4	1 1/4"	(32)	10"	(254.0)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/2"	225	(1.13)	189	(85.7)
B3373C-1 1/2	1 1/2"	(40)	10 5/16"	(261.9)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/2"	225	(1.13)	197	(89.3)
B3373C-2	2"	(50)	10 3/4"	(273.0)	1/4" x 1"	(6.3 x 25.4)	3/8"-16 x 1 1/2"	225	(1.13)	201	(91.2)
B3373C-2 1/2	2 1/2"	(65)	11 1/4"	(285.7)	1/4" x 1"	(6.3 x 25.4)	3/8"-16 x 1 1/2"	390	(1.73)	210	(95.2)
B3373C-3	3"	(80)	11 15/16"	(303.2)	1/4" x 1"	(6.3 x 25.4)	3/8"-16 x 1 1/2"	530	(2.35)	236	(107.0)
B3373C-3 1/2	3 1/2"	(90)	12 3/8"	(314.3)	1/4" x 1"	(6.3 x 25.4)	1/2"-13 x 1 3/4"	670	(2.98)	296	(134.2)
B3373C-4	4"	(100)	12 7/8"	(327.0)	1/4" x 1"	(6.3 x 25.4)	1/2"-13 x 1 3/4"	810	(3.60)	314	(142.4)
B3373C-5	5"	(125)	14"	(355.6)	1/4" x 1 1/2"	(6.3 x 38.1)	1/2"-13 x 2"	1160	(5.16)	480	(217.7)
B3373C-6	6"	(150)	15 1/8"	(384.2)	1/4" x 1 1/2"	(6.3 x 38.1)	1/2"-13 x 2"	1570	(6.98)	526	(238.6)
B3373C-8	8"	(200)	18 5/16"	(465.1)	3/8" x 1 1/2"	(9.5 x 38.1)	5/8"-11 x 2 1/2"	2500	(11.12)	957	(434.1)
B3373C-10	10"	(250)	20 1/4"	(514.3)	3/8" x 2"	(9.5 x 50.8)	5/8"-11 x 2 1/2"	2500	(11.12)	1101	(499.4)
B3373C-12	12"	(300)	22 1/8"	(562.0)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	2700	(12.01)	1622	(735.7)
B3373C-14	14"	(350)	23 1/2"	(596.9)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	2700	(12.01)	1732	(785.6)
B3373C-16	16"	(400)	25 5/8"	(650.9)	5/8" x 2 1/2"	(15.9 x 63.5)	3/4"-10 x 3"	2900	(12.90)	2959	(1342.2)
B3373C-18	18"	(450)	27 5/8"	(701.7)	5/8" x 2 1/2"	(15.9 x 63.5)	3/4"-10 x 3"	2900	(12.90)	3235	(1467.4)
B3373C-20	20"	(500)	30"	(762.0)	5/8" x 2 1/2"	(15.9 x 63.5)	3/4"-10 x 3 1/2"	2900	(12.90)	3568	(1618.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



B3373CT



B3373CTC

Material: Steel

Standard Finish: Dura-Copper®

Service: Designed to support and stabilize vertical runs of copper tubing. (Available with plastic coating to prevent contact between tubing and hanger).
Torque bolts to values given on page 60.

Ordering: Specify part number and finish.

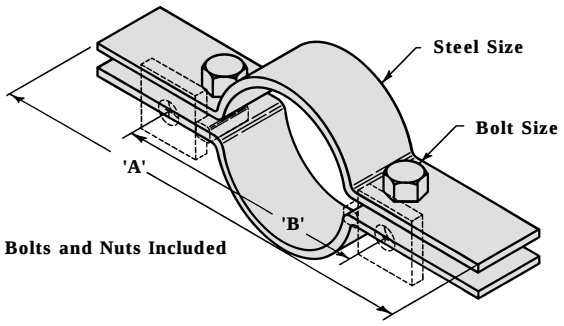
Approvals: Factory Mutual Approved for 3/4" (20) thru 4" (100). Complies with Federal Specification WW-H-171E Type 8 and Manufacturers' Standardization Society SP-69 & SP-58 Type 8.

Figure B3373CT Riser Clamp
(Available with plastic coating as B3373CTC-size)

Part No.	Nominal Tubing Size		'L'		Steel Size		Bolt Size	Design Load Lbs.	kN	Wt./C Lbs.	kg
B3373CT-1/2	1/2"	(15)	8 15/16"	(227.0)	11 Ga. x 1"	(3.0 x 25.4)	5/16"-18 x 1"	75	(.33)	72	(32.6)
B3373CT-3/4	3/4"	(20)	9 1/16"	(234.9)	11 Ga. x 1"	(3.0 x 25.4)	5/16"-18 x 1"	75	(.33)	73	(33.2)
B3373CT-1	1"	(25)	9 5/16"	(236.5)	11 Ga. x 1"	(3.0 x 25.4)	3/8"-16 x 1"	120	(.53)	74	(33.6)
B3373CT-1 1/4	1 1/4"	(32)	9 9/16"	(242.9)	11 Ga. x 1"	(3.0 x 25.4)	3/8"-16 x 1"	150	(.67)	77	(34.8)
B3373CT-1 1/2	1 1/2"	(40)	9 7/8"	(250.8)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	150	(.67)	111	(50.3)
B3373CT-2	2"	(50)	10 7/16"	(265.1)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	150	(.67)	120	(54.5)
B3373CT-2 1/2	2 1/2"	(65)	10 15/16"	(277.8)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	300	(1.33)	128	(58.1)
B3373CT-3	3"	(80)	11 7/16"	(290.5)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	300	(1.33)	136	(61.5)
B3373CT-3 1/2	3 1/2"	(90)	11 15/16"	(303.2)	7 Ga. x 1"	(4.5 x 25.4)	3/8"-16 x 1 1/4"	300	(1.33)	145	(65.7)
B3373CT-4	4"	(100)	12 1/2"	(317.5)	7 Ga. x 1"	(4.5 x 25.4)	1/2"-13 x 1 3/4"	300	(1.33)	170	(77.3)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE CLAMPS



Material: Steel

Standard Finish: Plain or Electro-Plated (Hot-Dip Galvanized available)

Service: Designed to prevent separation of caulked joints on AWWA ductile iron water pipes.

Ordering: Specify part number and finish. (Order B3132W Lug Washers, Tie Rods, and Hex Nuts separately).

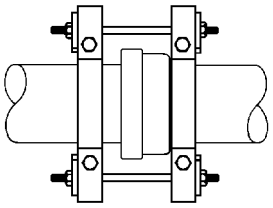
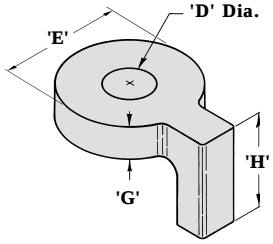
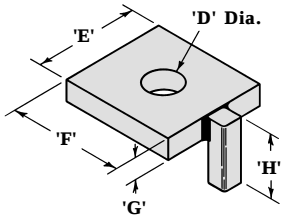


Figure B3132 Two-Bolt Underground Clamp

Part No.	Nominal Pipe Size		'A'		'B'		Clamp 'I.D.'		Steel Size		Bolt Size	Wt./C Lbs.	kg
B3132-4	4"	(100)	12 7/8"	(327.0)	9 3/4"	(247.6)	5"	(127.0)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	864	(391.9)
B3132-6	6"	(150)	14 3/4"	(374.6)	12"	(304.8)	7 1/16"	(179.4)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	1020	(462.6)
B3132-8	8"	(200)	17 1/4"	(438.1)	14 1/4"	(361.9)	9 3/16"	(233.4)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	1222	(554.3)
B3132-10	10"	(250)	19 3/8"	(492.1)	16 1/2"	(419.1)	11 3/8"	(288.9)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	1409	(639.1)
B3132-12	12"	(300)	21 7/8"	(555.6)	18 7/8"	(479.4)	13 1/2"	(342.9)	1/2" x 2"	(12.7 x 50.8)	5/8"-11 x 3"	1608	(729.4)
B3132-14	14"	(350)	26"	(660.4)	22 1/4"	(565.1)	15 3/4"	(400.0)	3/4" x 3"	(19.0 x 76.2)	7/8"-9 x 4 1/2"	4359	(1977.2)
B3132-16	16"	(400)	28 3/8"	(720.7)	24 5/8"	(625.5)	17 7/8"	(454.0)	3/4" x 4"	(19.0 x 101.6)	1"-8 x 4 1/2"	6403	(2904.4)
B3132-18	18"	(450)	31 3/8"	(796.9)	27 5/8"	(701.7)	20"	(508.0)	3/4" x 4"	(19.0 x 101.6)	1 1/4"-7 x 5"	7293	(3308.1)
B3132-20	20"	(500)	33 1/2"	(850.9)	29 3/4"	(755.6)	22 1/8"	(562.0)	3/4" x 4 1/2"	(19.0 x 114.3)	1 1/4"-7 x 5"	8778	(3981.7)
B3132-24	24"	(600)	39"	(990.6)	35 1/4"	(895.3)	26 3/8"	(669.9)	3/4" x 5"	(19.0 x 127.0)	1 1/4"-6 x 5 1/2"	11659	(5288.5)



B3132W-3/4



B3132W-1 thru 1 1/2

Material: Ductile iron for B3132W-3/4, steel for other sizes.

Standard Finish: Plain or Electro-Plated

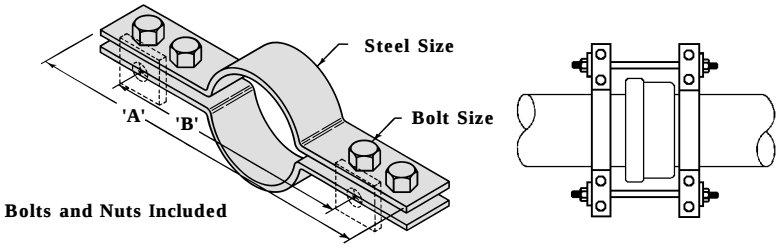
Service: Designed to use with B3132 Two-Bolt Underground Clamp for aligning and securing tie rods.

Ordering: Specify part number and finish.

Figure B3132W Lug Washer

Part No.	Tie Rod Size	For Use With Pipe Size		Dia. 'D'		'E'		'F'		'G'		'H'		Wt./C Lbs.	kg
B3132W-3/4	3/4"-10	4"-12"	(100-300)	7/8"	(22.2)	2 3/8"	(60.3)	--	--	5/8"	(15.9)	1 3/4"	(44.4)	74	(33.7)
B3132W-1	1"-8	14"-16"	(350-400)	1 1/8"	(28.6)	3 1/2"	(88.9)	3 1/2"	(88.9)	5/8"	(15.9)	2 1/2"	(63.5)	207	(93.9)
B3132W-1 1/4	1 1/4"-7	18"	(450)	1 3/8"	(34.9)	3 1/2"	(88.9)	4"	(101.6)	5/8"	(15.9)	3 1/2"	(63.5)	236	(107.0)
B3132W-1 3/8	1 3/8"-6	20"	(500)	1 1/2"	(38.1)	3 1/2"	(88.9)	4"	(101.6)	5/8"	(15.9)	3 1/2"	(63.5)	231	(104.8)
B3132W-1 1/2	1 1/2"-6	24"	(600)	1 5/8"	(41.3)	3 1/2"	(88.9)	4 1/2"	(114.3)	5/8"	(15.9)	4"	(101.6)	259	(117.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed to prevent separation of caulked joints on AWWA ductile iron water pipes.

Ordering: Specify part number and finish. (Order B3134W Washer, tie rods, and hex nuts separately).

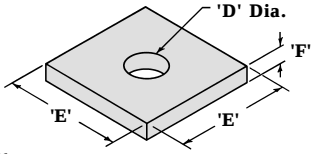
Approvals: Complies with National Fire Protection Association Standard 24 for 4" (100) thru 12" (300).

Figure B3134 Four Bolt Underground Clamp

Part No.	Nominal Pipe Size		'A'		'B'		Clamp 'I.D.'		Steel Size	
B3134-4	4"	(100)	14 7/16"	(366.7)	9 5/8"	(244.5)	5"	(127.0)	1/2" x 2"	(12.7 x 50.8)
B3134-6	6"	(150)	16 7/8"	(428.6)	11 7/8"	(301.6)	7 1/8"	(181.0)	1/2" x 2"	(12.7 x 50.8)
B3134-8	8"	(200)	19 1/8"	(485.8)	14 1/8"	(358.8)	9 5/16"	(236.5)	5/8" x 2 1/2"	(15.9 X 63.5)
B3134-10	10"	(250)	21 3/8"	(542.9)	16 5/8"	(422.3)	11 1/2"	(292.1)	5/8" x 2 1/2"	(15.9 X 63.5)
B3134-12	12"	(300)	25 1/8"	(638.2)	19 5/8"	(498.5)	13 1/2"	(342.9)	5/8" x 3"	(15.9 x 76.2)
B3134-14	14"	(350)	28 1/4"	(717.5)	22 1/4"	(565.1)	15 3/4"	(400.0)	3/4" x 3"	(19.0 x 76.2)
B3134-16	16"	(400)	32 1/8"	(816.0)	26 1/4"	(666.7)	17 7/8"	(454.0)	3/4" x 4"	(19.0 x 101.6)
B3134-18	18"	(450)	35 1/8"	(892.2)	28 1/8"	(714.4)	20"	(508.0)	3/4" x 4"	(19.0 x 101.6)
B3134-20	20"	(500)	37 3/4"	(958.8)	30 1/2"	(774.7)	22 1/8"	(562.0)	3/4" x 4 1/2"	(19.0 x 114.3)
B3134-24	24"	(600)	44 1/4"	(1123.9)	36"	(914.4)	26 3/8"	(669.9)	3/4" x 5"	(19.0 x 127.0)

Part No.	Bolt Size	Maximum Test Pressure psi	Pa	Force On Clamp Lbs.	kN	Wt./C Lbs.	kg
B3134-4	5/8"-11 x 3"	250	(1722.5)	4550	(20.24)	1012	(459.0)
B3134-6	5/8"-11 x 3"	250	(1722.5)	9340	(41.54)	1204	(546.1)
B3134-8	5/8"-11 x 3 1/2"	250	(1722.5)	16080	(71.52)	2091	(948.5)
B3134-10	3/4"-10 x 4"	250	(1722.5)	24180	(107.55)	2466	(1118.6)
B3134-12	7/8"-9 x 4"	250	(1722.5)	34230	(152.25)	3537	(1604.4)
B3134-14	7/8"-9 x 4 1/2"	120	(826.8)	22200	(98.74)	4718	(2140.1)
B3134-16	1"-8 x 4 1/2"	115	(792.3)	27760	(123.47)	7155	(3245.5)
B3134-18	1 1/4"-7 x 5"	100	(689.0)	23900	(106.31)	8179	(3710.0)
B3134-20	1 1/4"-7 x 5"	75	(516.7)	27500	(122.32)	9856	(4470.7)
B3134-24	1 1/2"-6 x 5 1/2"	50	(344.5)	26200	(116.54)	13384	(6071.0)

For higher test pressure requirements, consult pipe manufacturer.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for use with B3134 Four-Bolt Underground Clamp to secure tie rods.

Ordering: Specify part number and finish.

Figure B3134W Washer

Part No.	Tie Rod Size	For Use With Pipe Size		Dia. 'D'		'E'		'F'		Wt./C Lbs.	kg
B3134W-3/4	3/4"-10	4"-8"	(100-200)	7/8"	(22.2)	3"	(76.2)	1/2"	(12.7)	119	(54.0)
B3134W-1	1"-9	10"-12"	(250-300)	1 1/8"	(28.6)	3 1/2"	(88.9)	1/2"	(12.7)	159	(72.1)
B3134W-1 1/8	1 1/8"-7	14"-16"	(350-400)	1 1/4"	(31.7)	3 1/2"	(88.9)	5/8"	(15.9)	181	(82.1)
B3134W-1 1/4	1 1/4"-7	18"	(450)	1 3/8"	(34.9)	3 1/2"	(88.9)	3/4"	(19.0)	229	(103.9)
B3134W-1 3/8	1 3/8"-6	20"	(500)	1 1/2"	(38.1)	3 1/2"	(88.9)	3/4"	(19.0)	223	(101.1)
B3134W-1 1/2	1 1/2"-6	24"	(600)	1 5/8"	(41.3)	3 1/2"	(88.9)	3/4"	(19.0)	217	(98.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE CLAMPS

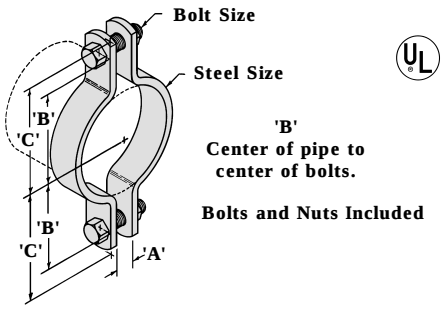


Figure B3140 Standard Pipe Clamp

Material: Steel (Stainless steel available)

Standard Finish: Plain, Electro-Plated, Dura-Green® or Hot-Dipped Galvanized

Service: Designed for suspending non-insulated pipe runs. (Use with B3200, Weldless Eye Nut, B3210 Eye Rod, or B3211 Welded Eye Rod).

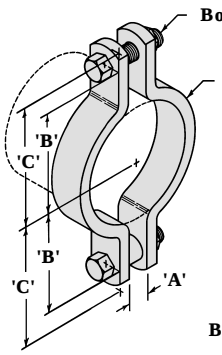
Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed for 3/4" (20) thru 12" (300). Complies with Federal Specification WW-H-171E Type 4 and Manufacturers' Standardization Society SP-69 & SP-58 Type 4.

Part No.	Nominal Pipe Size		'A'		'B'		'C'		Steel Size	
B3140-1/2	1/2"	(15)	3/8"	(9.5)	31/32"	(24.6)	1 17/32"	(38.9)	1/8" x 1"	(3.2 x 25.4)
B3140-3/4	3/4"	(20)	7/16"	(11.1)	1 3/32"	(27.8)	1 21/32"	(42.0)	1/8" x 1"	(3.2 x 25.4)
B3140-1	1"	(25)	7/16"	(11.1)	1 5/16"	(33.3)	1 7/8"	(47.6)	1/8" x 1"	(3.2 x 25.4)
B3140-1 1/4	1 1/4"	(32)	7/16"	(11.1)	1 7/16"	(36.5)	2"	(50.8)	1/8" x 1"	(3.2 x 25.4)
B3140-1 1/2	1 1/2"	(40)	1/2"	(15.9)	1 21/32"	(42.0)	2 7/32"	(56.4)	1/8" x 1"	(3.2 x 25.4)
B3140-2	2"	(50)	1/2"	(12.7)	2 1/8"	(54.0)	2 3/4"	(69.8)	1/4" x 1"	(6.3 x 25.4)
B3140-2 1/2	2 1/2"	(65)	5/8"	(15.9)	2 21/32"	(67.5)	3 9/32"	(83.3)	1/4" x 1"	(6.3 x 25.4)
B3140-3	3"	(80)	5/8"	(15.9)	2 15/16"	(74.6)	3 9/16"	(90.5)	1/4" x 1"	(6.3 x 25.4)
B3140-3 1/2	3 1/2"	(90)	5/8"	(15.9)	3 5/32"	(80.1)	3 25/32"	(96.0)	1/4" x 1"	(6.3 x 25.4)
B3140-4	4"	(100)	3/4"	(19.0)	3 9/16"	(90.5)	4 5/16"	(109.5)	1/4" x 1 1/4"	(6.3 x 31.7)
B3140-5	5"	(125)	3/4"	(19.0)	4 1/8"	(104.8)	4 7/8"	(123.8)	1/4" x 1 1/4"	(6.3 x 31.7)
B3140-6	6"	(150)	7/8"	(22.2)	4 15/16"	(125.4)	5 13/16"	(147.6)	3/8" x 1 1/2"	(9.5 x 38.1)
B3140-8	8"	(200)	1"	(25.4)	6 1/16"	(154.0)	6 15/16"	(176.2)	3/8" x 1 1/2"	(9.5 x 38.1)
B3140-10	10"	(250)	1"	(25.4)	7 3/8"	(187.3)	8 1/2"	(215.9)	1/2" x 2"	(12.7 x 50.8)
B3140-12	12"	(300)	1"	(25.4)	8 7/16"	(214.3)	9 9/16"	(242.9)	1/2" x 2"	(12.7 x 50.8)
B3140-14	14"	(350)	1 1/8"	(28.6)	9 1/4"	(234.9)	10 5/8"	(269.9)	1/2" x 2 1/2"	(12.7 x 63.5)
B3140-16	16"	(400)	1 1/8"	(28.6)	10 1/4"	(260.3)	11 5/8"	(295.3)	1/2" x 2 1/2"	(12.7 x 63.5)
B3140-18	18"	(450)	1 1/4"	(31.7)	11 7/8"	(301.6)	13 1/4"	(336.5)	5/8" x 2 1/2"	(15.9 x 63.5)
B3140-20	20"	(500)	1 3/8"	(34.9)	12 3/4"	(323.8)	14 1/8"	(358.8)	5/8" x 2 1/2"	(15.9 x 63.5)
B3140-24	24"	(600)	1 5/8"	(41.3)	14 5/8"	(371.5)	16"	(406.4)	5/8" x 3"	(15.9 x 76.2)

Part No.	Bolt Size	Maximum Design Load For Service Temperature 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C Lbs.	kg
B3140-1/2	5/16"-18 x 1 1/4"	500	(2.22)	445	(1.98)	30	(13.6)
B3140-3/4	5/16"-18 x 1 1/4"	500	(2.22)	445	(1.98)	31	(14.0)
B3140-1	5/16"-18 x 1 1/4"	500	(2.22)	445	(1.98)	32	(14.5)
B3140-1 1/4	5/16"-18 x 1 1/4"	500	(2.22)	445	(1.98)	39	(17.7)
B3140-1 1/2	5/16"-18 x 1 1/4"	800	(3.56)	715	(3.18)	41	(18.6)
B3140-2	1/2"-13 x 2"	1040	(4.62)	930	(4.13)	118	(53.5)
B3140-2 1/2	1/2"-13 x 2"	1040	(4.62)	930	(4.13)	130	(58.9)
B3140-3	1/2"-13 x 2"	1040	(4.62)	930	(4.13)	150	(68.0)
B3140-3 1/2	1/2"-13 x 2"	1040	(4.62)	930	(4.13)	158	(71.6)
B3140-4	5/8"-11 x 2 1/4"	1040	(4.62)	930	(4.13)	239	(108.4)
B3140-5	5/8"-11 x 2 1/2"	1040	(4.62)	930	(4.13)	272	(123.4)
B3140-6	3/4"-10 x 2 3/4"	1615	(7.18)	1440	(6.40)	541	(245.4)
B3140-8	3/4"-10 x 3"	1615	(7.18)	1440	(6.40)	642	(291.2)
B3140-10	7/8"-9 x 3 1/2"	2490	(11.07)	2220	(9.87)	1366	(619.6)
B3140-12	7/8"-9 x 3 1/2"	2490	(11.07)	2220	(9.87)	1543	(699.9)
B3140-14	7/8"-9 x 3 1/2"	2490	(11.07)	2220	(9.87)	2077	(942.1)
B3140-16	7/8"-9 x 3 1/2"	2490	(11.07)	2220	(9.87)	2289	(1038.3)
B3140-18	1"-8 x 4"	3060	(13.61)	2730	(12.14)	3206	(1454.2)
B3140-20	1 1/8"-7 x 4 1/2"	3060	(13.61)	2730	(12.14)	3616	(1640.2)
B3140-24	1 1/4"-7 x 5"	3060	(13.61)	2730	(12.14)	5161	(2341.0)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending non-insulated, heavy-duty pipe runs. (Use with B3200 Weldless Eye Nut, B3210 Eye Rod or B3211 Welded Eye Rod).

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 4 and Manufacturers' Standardization Society SP-69 & SP-58 Type 4.

Figure B3142 Heavy Duty Pipe Clamp

Part No.	Nominal Pipe Size		'A'		'B'		'C'		Steel Size	
B3142-3	3"	(80)	1"	(25.4)	3 1/8"	(79.4)	4"	(101.6)	5/16" x 2"	(7.9 x 50.8)
B3142-4	4"	(100)	1"	(25.4)	3 3/4"	(95.2)	4 7/8"	(123.8)	3/8" x 2"	(9.5 x 50.8)
B3142-5	5"	(125)	1"	(25.4)	4 3/8"	(111.1)	5 1/2"	(139.7)	3/8" x 2"	(9.5 x 50.8)
B3142-6	6"	(150)	1 1/8"	(28.6)	5 1/4"	(133.3)	6 5/8"	(168.3)	1/2" x 2 1/2"	(12.7 x 63.5)
B3142-8	8"	(200)	1 1/8"	(28.6)	6 1/4"	(158.7)	7 5/8"	(193.7)	1/2" x 2 1/2"	(12.7 x 63.5)
B3142-10	10"	(250)	1 1/4"	(31.7)	7 11/16"	(195.3)	9 1/16"	(230.2)	5/8" x 2 1/2"	(15.9 x 63.5)
B3142-12	12"	(300)	1 5/8"	(41.3)	9 1/8"	(231.8)	10 3/4"	(273.0)	3/4" x 3"	(19.0 x 76.2)
B3142-14	14"	(350)	1 5/8"	(41.3)	9 7/8"	(250.8)	11 3/4"	(298.4)	3/4" x 3 1/2"	(19.0 x 88.9)
B3142-16	16"	(400)	1 5/8"	(41.3)	11"	(279.4)	12 7/8"	(327.0)	3/4" x 3 1/2"	(19.0 x 88.9)
B3142-18	18"	(450)	3"	(76.2)	14 1/2"	(368.3)	18 1/2"	(469.9)	3/4" x 6"	(19.0 x 152.4)
B3142-20	20"	(500)	3"	(76.2)	16"	(406.4)	20"	(508.0)	1"x 5"	(25.4 x 127.0)
B3142-24	24"	(600)	3 1/4"	(82.5)	18 1/2"	(469.9)	23"	(584.2)	1"x 6"	(25.4 x 152.4)
B3142-30	30"	(750)	3 1/2"	(88.9)	22 1/2"	(571.5)	27 1/2"	(698.5)	1 1/4" x 7"	(31.7 x 177.8)

Part No.	Bolt Size	Maximum Design Load For Service Temperature 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C Lbs.	kg
B3142-3	3/4"-10 x 2 3/4"	3370	(14.99)	3005	(13.36)	404	(183.2)
B3142-4	7/8"-9 x 3"	3515	(15.63)	3135	(13.94)	616	(279.4)
B3142-5	7/8"-9 x 3"	3515	(15.63)	3135	(13.94)	687	(311.6)
B3142-6	1"-8 x 3 1/2"	4865	(21.64)	4340	(19.30)	1293	(586.5)
B3142-8	1"-8 x 4"	4865	(21.64)	4340	(19.30)	1523	(690.8)
B3142-10	1 1/4"-7 x 4"	6010	(26.73)	5360	(23.84)	2348	(1065.0)
B3142-12	1 1/4"-7 x 5"	8675	(38.58)	7740	(34.43)	3749	(1700.5)
B3142-14	1 1/2"-6 x 5 1/2"	9120	(40.56)	8135	(36.18)	5011	(2273.0)
B3142-16	1 3/4"-5 x 5 1/2"	9120	(40.56)	8135	(36.18)	5885	(2669.4)
B3142-18	2"-4 1/2 x 7"	13800	(61.38)	-	-	12902	(5852.3)
B3142-20	2"-4 1/2 x 7 1/2"	15300	(68.05)	-	-	15113	(6855.2)
B3142-24	2"-4 1/2 x 8"	16300	(72.50)	-	-	20561	(9326.4)
B3142-30	2 1/4"-4 1/2 x 9"	20500	(91.18)	-	-	36658	(16628.0)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE CLAMPS

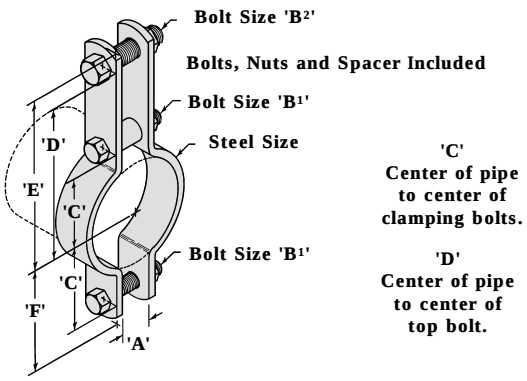


Figure B3144 Double Bolt Pipe Clamp

Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending high-temperature (maximum 750°F (399°C) pipe runs requiring up to 4" (101.6) thick insulation. (Use with B3200 Weldless Eye Nut, B3210 Eye Rod or B3211 Welded Eye Rod).

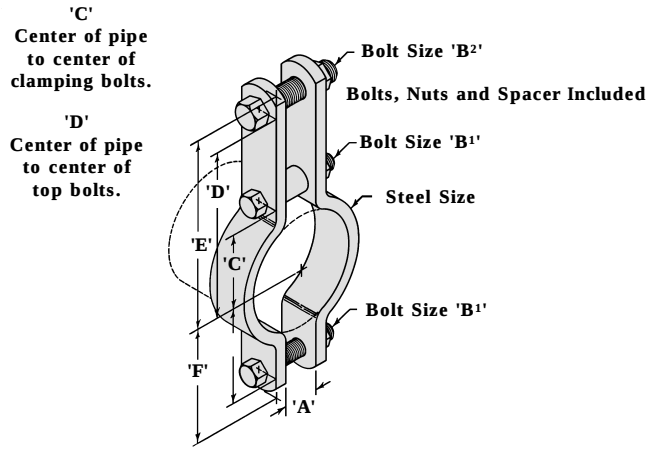
Ordering: Specify part number and finish. For Service Temperatures of 750°F (399°C) thru 1050°F (565°C) specify type 304 Stainless Steel.

Approvals: Complies with Federal Specification WW-H-171E Type 3 and Manufacturers' Standardization Society SP-69 & SP-58 Type 3.

Part No.	Nominal Pipe Size		'A'		Bolt Size 'B1'	Bolt Size 'B2'	'C'		'D'	
B3144-1 1/2	1 1/2"	(40)	1 1/16"	(27.0)	1/2"-13 x 2 1/2"	5/8"-11 x 2 1/2"	2 3/16"	(55.6)	4 1/8"	(104.8)
B3144-2	2"	(50)	1 1/16"	(27.0)	1/2"-13 x 2 1/2"	5/8"-11 x 2 1/2"	2 1/8"	(54.0)	5 1/8"	(130.2)
B3144-2 1/2	2 1/2"	(65)	1 1/16"	(27.0)	1/2"-13 x 2 1/2"	5/8"-11 x 2 1/2"	2 3/8"	(60.3)	5 3/8"	(136.5)
B3144-3	3"	(80)	1 1/16"	(27.0)	1/2"-13 x 2 1/2"	5/8"-11 x 2 1/2"	2 15/16"	(74.6)	5 15/16"	(150.8)
B3144-4	4"	(100)	1 1/16"	(27.0)	5/8"-11 x 2 3/4"	3/4"-10 x 3"	3 1/2"	(88.9)	6 1/2"	(165.1)
B3144-5	5"	(125)	1 1/16"	(27.0)	5/8"-11 x 2 3/4"	3/4"-10 x 3"	4"	(101.6)	7"	(177.8)
B3144-6	6"	(150)	1 7/16"	(36.5)	3/4"-10 x 3 1/4"	1"-8 x 3 1/2"	5"	(127.0)	8 9/16"	(217.5)
B3144-8	8"	(200)	1 7/16"	(36.5)	3/4"-10 x 3 1/4"	1"-8 x 3 1/2"	6"	(152.4)	9 9/16"	(242.9)
B3144-10	10"	(250)	1 7/16"	(36.5)	3/4"-10 x 3 1/4"	1"-8 x 3 1/2"	7 1/8"	(181.0)	10 5/8"	(269.9)
B3144-12	12"	(300)	1 7/16"	(36.5)	3/4"-10 x 3 1/4"	1"-8 x 3 1/2"	7 7/8"	(200.0)	11 5/8"	(295.3)
B3144-14	14"	(350)	2"	(50.8)	1"-8 x 4 1/2"	1 1/4"-7 x 5"	9 1/16"	(230.2)	12 11/16"	(322.3)
B3144-16	16"	(400)	2"	(50.8)	1"-8 x 4 1/2"	1 1/4"-7 x 5"	10 1/16"	(255.6)	13 11/16"	(347.7)
B3144-18	18"	(450)	2"	(50.8)	1"-8 x 4 1/2"	1 1/4"-7 x 5"	11 1/16"	(281.0)	14 11/16"	(373.1)
B3144-20	20"	(500)	2"	(50.8)	1"-8 x 5"	1 1/4"-7 x 5"	12 3/8"	(314.3)	15 7/8"	(403.2)
B3144-24	24"	(600)	2"	(50.8)	1 1/8"-7 x 5"	1 1/2"-6 x 5 1/2"	14 3/4"	(374.6)	17 7/8"	(454.0)

Part No.	'E'		'F'		Steel Size		Maximum Design Load For Service Temperature 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C Lbs.	kg
B3144-1 1/2	4 7/8"	(123.8)	2 3/4"	(69.8)	1/4" x 1 1/4"	(6.3 x 31.7)	1545	(6.87)	1380	(6.14)	200	(90.7)
B3144-2	5 7/8"	(149.2)	2 11/16"	(68.3)	1/4" x 1 1/4"	(6.3 x 31.7)	1545	(6.87)	1380	(6.14)	226	(102.5)
B3144-2 1/2	6 1/8"	(155.6)	2 15/16"	(74.6)	1/4" x 1 1/4"	(6.3 x 31.7)	1545	(6.87)	1380	(6.14)	239	(108.4)
B3144-3	6 11/16"	(169.9)	3 1/2"	(88.9)	1/4" x 1 1/4"	(6.3 x 31.7)	1545	(6.87)	1380	(6.14)	264	(119.7)
B3144-4	7 5/8"	(193.7)	4 1/2"	(114.3)	3/8" x 2"	(9.5 x 50.8)	2500	(11.12)	2230	(9.92)	672	(304.8)
B3144-5	8 1/8"	(206.4)	5"	(127.0)	3/8" x 2"	(9.5 x 50.8)	2500	(11.12)	2230	(9.92)	752	(341.1)
B3144-6	9 15/16"	(252.4)	6 1/8"	(155.6)	3/8" x 2 1/2"	(9.5 x 63.5)	2865	(12.74)	2555	(11.36)	1158	(525.2)
B3144-8	10 15/16"	(277.8)	7 1/8"	(181.0)	3/8" x 2 1/2"	(9.5 x 63.5)	2865	(12.74)	2555	(11.36)	1325	(601.0)
B3144-10	12"	(304.8)	8 1/4"	(209.5)	3/8" x 2 1/2"	(9.5 x 63.5)	3240	(14.41)	2890	(12.85)	1505	(682.6)
B3144-12	13"	(330.2)	9 1/4"	(234.9)	3/8" x 2 1/2"	(9.5 x 63.5)	3240	(14.41)	2890	(12.85)	1671	(757.9)
B3144-14	14 5/16"	(363.5)	10 11/16"	(271.5)	5/8" x 3"	(15.9 x 76.2)	4300	(19.12)	3835	(17.06)	3666	(1662.9)
B3144-16	15 5/16"	(388.9)	11 11/16"	(296.9)	5/8" x 3"	(15.9 x 76.2)	4300	(19.12)	3835	(17.06)	3992	(1810.8)
B3144-18	16 5/16"	(414.3)	12 11/16"	(322.3)	5/8" x 3"	(15.9 x 76.2)	4300	(19.12)	3835	(17.06)	4330	(1964.1)
B3144-20	17 1/2"	(444.5)	14"	(355.6)	3/4" x 3"	(19.0 x 76.2)	4500	(20.01)	4900	(21.79)	5535	(2510.7)
B3144-24	19 1/2"	(495.3)	16 3/8"	(415.9)	3/4" x 3"	(19.0 x 76.2)	4500	(20.01)	4015	(17.86)	6590	(2989.2)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending heavy-duty, high-temperature pipe runs requiring up to 4" (101.6) thick insulation. (Use with B3200 Weldless Eye Nut, B3210 Eye Rod, or B3211 Welded Eye Rod).

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 3 and Manufacturers' Standardization Society SP-69 & SP-58 Type 3.

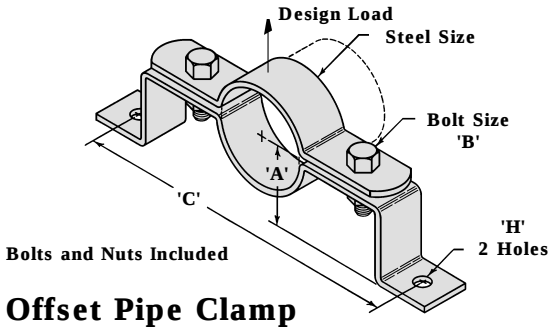
Figure B3146 Heavy Duty Double Bolt Pipe Clamp

Part No.	Nominal Pipe Size		'A'		Bolt Size 'B1'	Bolt Size 'B2'	'C'		'D'	
B3146-6	6"	(150)	1 3/4"	(44.4)	3/4"-10 x 3 1/2"	1"-8 x 4"	4 3/4"	(120.6)	8 15/16"	(227.0)
B3146-8	8"	(200)	2"	(50.8)	3/4"-10 x 4"	1"-8 x 4 1/2"	6"	(152.4)	10 1/8"	(257.2)
B3146-10	10"	(250)	2 1/4"	(57.1)	1"-8 x 4 1/2"	1 1/4"-7 x 5"	7 1/4"	(184.1)	11 3/8"	(288.9)
B3146-12	12"	(300)	2 1/2"	(63.5)	1"-8 x 5"	1 1/4"-7 x 5 1/2"	8 5/8"	(219.1)	12 9/16"	(319.1)
B3146-14	14"	(350)	2 1/2"	(63.5)	1 1/8"-7 x 5 1/2"	1 1/2"-6 x 6"	9 5/8"	(244.5)	13 1/2"	(342.9)
B3146-16	16"	(400)	3"	(76.2)	1 1/4"-7 x 6"	1 3/4"-5 x 6 1/2"	10 7/8"	(276.2)	14 7/8"	(377.8)
B3146-18	18"	(450)	3 1/2"	(88.9)	1 1/2"-6 x 7 1/2"	2"-4 1/2 x 8"	12 1/2"	(317.5)	16 1/4"	(412.7)
B3146-20	20"	(500)	3 1/2"	(88.9)	1 1/2"-6 x 7 1/2"	2"-4 1/2 x 8"	13 1/2"	(342.9)	17 1/4"	(438.1)
B3146-24	24"	(600)	3 1/2"	(88.9)	1 1/2"-6 x 7 1/2"	2"-4 1/2 x 8"	15 1/2"	(393.7)	19 5/16"	(490.5)
B3146-30	30"	(750)	4 1/4"	(107.9)	1 3/4"-5 x 8 1/2"	2 1/4"-4 1/2 x 9"	19 7/8"	(504.8)	28 1/4"	(717.5)

Part No.	'E'		'F'		Steel Size		Maximum Design Load For Service Temperature 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C Lbs.	kg
B3146-6	10 3/16"	(258.8)	6"	(152.4)	3/8" x 2 1/2"	(9.5 x 63.5)	3500	(15.57)	3125	(13.90)	1182	(536.1)
B3146-8	11 3/8"	(288.9)	7 1/4"	(184.1)	1/2" x 2 1/2"	(12.7 x 63.5)	4800	(21.35)	4285	(19.06)	1742	(790.2)
B3146-10	13 1/8"	(333.4)	9"	(228.6)	1/2" x 3 1/2"	(12.7 x 88.9)	5500	(24.46)	4910	(21.84)	2979	(1351.3)
B3146-12	14 5/16"	(363.5)	10 3/8"	(263.5)	5/8" x 3 1/2"	(15.9 x 88.9)	8675	(38.58)	6250	(27.80)	3847	(1745.0)
B3146-14	15 1/2"	(393.7)	11 5/8"	(295.3)	3/4" x 4"	(19.0 x 101.6)	9500	(42.25)	8485	(37.74)	6104	(2768.8)
B3146-16	17 1/8"	(435.0)	13 1/8"	(333.4)	3/4" x 4 1/2"	(19.0 x 114.3)	10000	(44.48)	8930	(39.72)	7899	(3583.0)
B3146-18	18 1/4"	(463.5)	14 1/2"	(368.3)	1" x 4"	(25.4 x 101.6)	13800	(61.38)	12325	(54.82)	10588	(4802.7)
B3146-20	19 3/4"	(501.6)	16"	(406.4)	1" x 5"	(25.4 x 127.0)	15300	(68.05)	13665	(60.78)	14180	(6432.0)
B3146-24	22 5/16"	(566.7)	18 1/2"	(469.9)	1" x 6"	(25.4 x 152.4)	16300	(72.50)	14555	(64.74)	19145	(8684.2)
B3146-30	32 3/4"	(831.8)	24 3/8"	(619.1)	1" x 8"	(25.4 x 203.2)	20500	(91.18)	-	-	34983	(15868.3)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE CLAMPS



Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

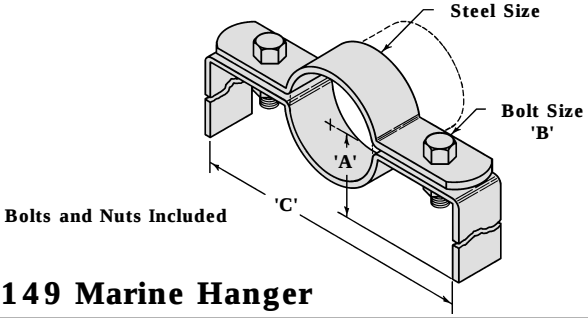
Service: Designed for supporting vertical or horizontal pipe runs at a fixed distance from a wall or structure.

Ordering: Specify part number and finish.

Note: Ductile and cast iron sizes are available.

Figure B3148 Offset Pipe Clamp

Part No.	Nominal Pipe Size		'A'		Bolt Size 'B'	'C'		'H'		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3148-1/2	1/2"	(15)	2 1/2"	(63.5)	3/8"-16 x 1 1/2"	6"	(152.4)	7/16"	(11.1)	3/16" x 1 1/4"	(4.8 x 31.7)	190	(.84)	106	(48.1)
B3148-3/4	3/4"	(20)	2 1/2"	(63.5)	3/8"-16 x 1 1/2"	7 5/16"	(185.7)	7/16"	(11.1)	3/16" x 1 1/4"	(4.8 x 31.7)	190	(.84)	112	(50.8)
B3148-1	1"	(25)	2 5/8"	(66.7)	3/8"-16 x 1 1/2"	7 9/16"	(192.1)	7/16"	(11.1)	3/16" x 1 1/4"	(4.8 x 31.7)	190	(.84)	123	(55.8)
B3148-1 1/4	1 1/4"	(32)	2 13/16"	(71.4)	3/8"-16 x 1 1/2"	7 7/8"	(200.0)	7/16"	(11.1)	3/16" x 1 1/4"	(4.8 x 31.7)	190	(.84)	133	(60.3)
B3148-1 1/2	1 1/2"	(40)	2 15/16"	(74.6)	3/8"-16 x 1 1/2"	8 1/4"	(209.5)	7/16"	(11.1)	3/16" x 1 1/4"	(4.8 x 31.7)	190	(.84)	140	(63.5)
B3148-2	2"	(50)	3 3/16"	(81.0)	3/8"-16 x 1 3/4"	9 1/8"	(231.8)	7/16"	(11.1)	1/4" x 1 1/4"	(6.3 x 31.7)	420	(1.87)	195	(88.4)
B3148-2 1/2	2 1/2"	(65)	3 7/16"	(87.3)	3/8"-16 x 1 3/4"	10 1/2"	(266.7)	7/16"	(11.1)	1/4" x 1 1/4"	(6.3 x 31.7)	420	(1.87)	226	(102.5)
B3148-3	3"	(80)	3 3/4"	(95.2)	3/8"-16 x 1 3/4"	11 1/8"	(282.6)	7/16"	(11.1)	1/4" x 1 1/4"	(6.3 x 31.7)	420	(1.87)	244	(110.7)
B3148-4	4"	(100)	4 1/4"	(107.9)	1/2"-13 x 2"	12 1/2"	(317.5)	9/16"	(14.3)	1/4" x 1 1/2"	(6.3 x 38.1)	610	(2.71)	358	(162.4)
B3148-5	5"	(125)	4 3/4"	(120.6)	1/2"-13 x 2 1/4"	13 3/4"	(349.2)	9/16"	(14.3)	1/4" x 1 1/2"	(6.3 x 38.1)	610	(2.71)	415	(188.2)
B3148-6	6"	(150)	5 5/16"	(134.9)	1/2"-13 x 2 1/4"	16 1/2"	(419.1)	9/16"	(14.3)	3/8" x 1 1/2"	(9.5 x 38.1)	870	(3.87)	685	(310.7)
B3148-8	8"	(200)	6 5/16"	(160.3)	1/2"-13 x 2 1/2"	18 5/8"	(473.1)	9/16"	(14.3)	3/8" x 1 1/2"	(9.5 x 38.1)	870	(3.87)	815	(369.7)
B3148-10	10"	(250)	7 3/4"	(196.8)	3/4"-10 x 3"	23"	(584.2)	13/16"	(20.6)	3/8" x 3"	(9.5 x 76.2)	870	(3.87)	2142	(971.6)
B3148-12	12"	(300)	8 3/4"	(222.2)	3/4"-10 x 3"	25"	(635.0)	13/16"	(20.6)	3/8" x 3"	(9.5 x 76.2)	870	(3.87)	2337	(1060.0)



Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

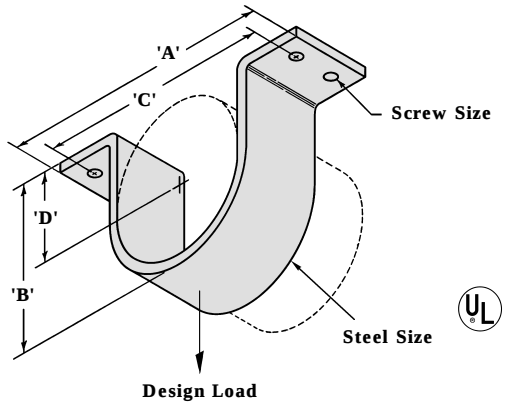
Service: Designed for suspending or supporting pipe runs where exact distance from structure to pipe cannot be determined until installation. Field modify legs to suit conditions.

Ordering: Specify part number and finish.

Figure B3149 Marine Hanger

Part No.	Nominal Pipe Size		'A'		Bolt Size 'B'	'C'		Steel Size		Wt./C Lbs.	kg
B3149-3/4	3/4"	(20)	12"	(304.8)	3/8"-16 x 1 1/2"	4 7/16"	(112.7)	3/16" x 1"	(4.8 x 25.4)	182	(82.5)
B3149-1	1"	(25)	12"	(304.8)	3/8"-16 x 1 1/2"	4 11/16"	(119.1)	3/16" x 1 1/4"	(4.8 x 31.7)	230	(104.3)
B3149-1 1/4	1 1/4"	(32)	12"	(304.8)	3/8"-16 x 1 1/2"	5"	(127.0)	3/16" x 1 1/4"	(4.8 x 31.7)	239	(108.4)
B3149-1 1/2	1 1/2"	(40)	12"	(304.8)	3/8"-16 x 1 1/2"	5 1/4"	(133.3)	3/16" x 1 1/4"	(4.8 x 31.7)	244	(110.7)
B3149-2	2"	(50)	12"	(304.8)	1/2"-13 x 1 3/4"	6"	(152.4)	3/16" x 1 1/2"	(4.8 x 38.1)	319	(144.7)
B3149-2 1/2	2 1/2"	(65)	12"	(304.8)	1/2"-13 x 2"	7 1/4"	(184.1)	1/4" x 1 1/2"	(6.3 x 38.1)	434	(196.8)
B3149-3	3"	(80)	12"	(304.8)	1/2"-13 x 2"	7 7/8"	(200.0)	1/4" x 1 1/2"	(6.3 x 38.1)	454	(205.9)
B3149-4	4"	(100)	12"	(304.8)	1/2"-13 x 2"	9 1/4"	(234.9)	1/4" x 1 1/2"	(6.3 x 38.1)	493	(223.6)
B3149-5	5"	(125)	12"	(304.8)	1/2"-13 x 2"	10 1/2"	(266.7)	1/4" x 1 1/2"	(6.3 x 38.1)	530	(240.4)
B3149-6	6"	(150)	12"	(304.8)	5/8"-11 x 2 1/2"	12 1/2"	(317.5)	3/8" x 2"	(9.5 x 50.8)	1142	(518.0)
B3149-8	8"	(200)	12"	(304.8)	5/8"-11 x 2 1/2"	14 5/8"	(371.5)	3/8" x 2"	(9.5 x 50.8)	1273	(577.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Note: Pipe Sizes 1/2" (15) thru 2" (50) have 2 mounting holes.
Pipe Sizes 2 1/2" (65) thru 4" (100) as illustrated above.

Material: Steel (Stainless Steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting pipe runs from walls or ceilings.

Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed for 3/4" (20) thru 4" (100). Complies with Federal Specification WW-H-171E Type 26 and Manufacturers' Standardization Society SP-69 SP-58 Type 26.

Figure B3180 Short Pipe Strap

Part No.	Nominal Pipe Size		'A'		'B'		'C'		'D'		Steel Size	
B3180-1/2	1/2"	(15)	3 9/16"	(90.5)	1 3/16"	(30.2)	2 11/16"	(68.3)	9/16"	(14.3)	3/16" x 7/8"	(4.8 x 22.2)
B3180-3/4	3/4"	(20)	3 7/8"	(98.4)	1 1/2"	(38.1)	3"	(76.2)	3/4"	(19.0)	3/16" x 7/8"	(4.8 x 22.2)
B3180-1	1"	(25)	4 1/8"	(104.8)	1 3/4"	(44.4)	3 1/4"	(82.5)	7/8"	(22.2)	3/16" x 7/8"	(4.8 x 22.2)
B3180-1 1/4	1 1/4"	(32)	4 9/16"	(115.9)	2 3/16"	(55.6)	3 11/16"	(93.7)	1 1/8"	(28.6)	3/16" x 7/8"	(4.8 x 22.2)
B3180-1 1/2	1 1/2"	(40)	5 3/16"	(131.8)	2 9/16"	(65.1)	4 3/16"	(106.4)	1 5/16"	(33.3)	1/4" x 1"	(4.8 x 25.4)
B3180-2	2"	(50)	5 3/4"	(146.0)	2 15/16"	(74.6)	4 3/4"	(120.6)	1 7/16"	(36.5)	1/4" x 1"	(4.8 x 25.4)
B3180-2 1/2	2 1/2"	(65)	6 1/4"	(158.7)	3 9/16"	(90.5)	5 1/4"	(133.3)	1 7/8"	(47.6)	1/4" x 2"	(6.3 x 50.8)
B3180-3	3"	(80)	6 7/8"	(174.6)	4"	(101.6)	5 7/8"	(149.2)	2"	(50.8)	1/4" x 2"	(6.3 x 50.8)
B3180-3 1/2	3 1/2"	(90)	7 1/2"	(190.5)	4 9/16"	(115.9)	6 1/2"	(165.1)	2 5/16"	(58.7)	1/4" x 2"	(6.3 x 50.8)
B3180-4	4"	(100)	8"	(203.2)	5 1/16"	(128.6)	7"	(177.8)	2 9/16"	(65.1)	1/4" x 2"	(6.3 x 50.8)

Part No.	Screw Size	Design Load With Lag Screws Lbs.	kN	Design Load With Bolt to Steel Lbs.	kN	Wt./C Lbs.	kg
B3180-1/2	Two #18 x 2" Steel Wood Screws or Two 1/4"-20 Bolts To Steel	300	(1.33)	-	-	22	(10.0)
B3180-3/4		300	(1.33)	485	(2.16)	26	(11.8)
B3180-1		300	(1.33)	485	(2.16)	30	(13.6)
B3180-1 1/4		300	(1.33)	485	(2.16)	34	(15.4)
B3180-1 1/2		300	(1.33)	485	(2.16)	58	(26.3)
B3180-2		300	(1.33)	485	(2.16)	69	(31.3)
B3180-2 1/2	Four #18 x 2" Steel Wood Screws or Four 1/4"-20 Bolts To Steel	500	(2.22)	970	(4.31)	153	(69.4)
B3180-3		500	(2.22)	970	(4.31)	171	(77.5)
B3180-3 1/2		500	(2.22)	970	(4.31)	196	(88.9)
B3180-4		500	(2.22)	970	(4.31)	212	(96.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE ROLLERS & ROLLER SUPPORTS

Pipe rollers and roller supports offered in this section are designed to compensate for longitudinal movement due to the expansion or contraction of both insulated or non-insulated pipe.

Materials

Carbon Steel with Cast Iron rollers are used in the manufacturing of pipe roller supports. Stainless Steel and other materials are available.

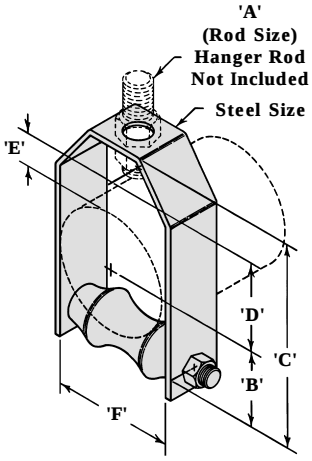
Finishes

The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating, Dura-Green® and other special coatings are available upon request.

Note: Due to the design of some products, (threads, connecting hardware, swivels, etc.) items may or may not be uniformly coated with special finishes. In some cases, the hanger itself may be coated, however, the hardware may be supplied Electro-Plated, Copper plated, or in Stainless Steel.

Approvals (as noted)

Items in this section comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 SP-58.



'B'
Center of axle to center of pipe.

'C'
Center of axle to top of hanger steel.

'D'
Rod Take-Out
Center of pipe to bottom of hanger rod.

'E'
Adjustment
Top of pipe to bottom of hanger rod nut.

Material: Steel with Cast Iron Roller

Standard Finish: Plain, Electro-Plated or Dura-Green®

Service: Designed for suspending pipe where longitudinal movement and vertical adjustment is required. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 44 and Manufacturers' Standardization Society SP-69 & SP-58 Type 43.

Note: If using D.I. pipe refer to page 178.

Figure B3110 Adjustable Steel Yoke Pipe Roll

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'		'E'	
B3110-2	2"	(50)	3/8"-16	1 9/16"	(39.7)	4 3/4"	(120.6)	2 3/8"	(60.3)	1 7/16"	(36.5)
B3110-2 1/2	2 1/2"	(65)	1/2"-13	1 7/8"	(47.6)	6"	(152.4)	3 3/16"	(81.0)	2"	(50.8)
B3110-3	3"	(80)	1/2"-13	2 3/16"	(55.6)	6 5/8"	(168.3)	3 1/2"	(88.9)	2"	(50.8)
B3110-3 1/2	3 1/2"	(90)	1/2"-13	2 1/2"	(63.5)	7 1/4"	(184.1)	3 3/4"	(95.2)	2"	(50.8)
B3110-4	4"	(100)	5/8"-11	2 3/4"	(69.8)	7 7/8"	(200.0)	4"	(101.6)	2"	(50.8)
B3110-5	5"	(125)	5/8"-11	3 3/8"	(85.7)	9 3/16"	(233.4)	4 9/16"	(115.9)	2"	(50.8)
B3110-6	6"	(150)	3/4"-10	3 15/16"	(100.0)	10 3/8"	(263.5)	5 1/16"	(128.6)	2"	(50.8)
B3110-8	8"	(200)	3/4"-10	5 1/16"	(128.6)	12 5/8"	(320.7)	6 1/16"	(154.0)	2"	(50.8)
B3110-10	10"	(250)	7/8"-11	6 1/4"	(158.7)	14 15/16"	(379.4)	7 3/16"	(182.6)	2 1/16"	(52.4)
B3110-12	12"	(300)	7/8"-11	7 3/8"	(187.3)	17 3/8"	(441.3)	8 3/8"	(212.7)	2 1/4"	(57.1)
B3110-14	14"	(350)	1"-8	8 1/4"	(209.5)	19"	(482.6)	8 3/4"	(222.2)	2 1/4"	(57.1)
B3110-16	16"	(400)	1"-8	9 1/4"	(234.9)	20 3/4"	(527.0)	9 3/4"	(247.6)	2"	(50.8)
B3110-18	18"	(450)	1"-8	10 3/8"	(263.5)	23 11/16"	(601.7)	11 7/16"	(290.5)	2 11/16"	(68.3)
B3110-20	20"	(500)	1 1/4"-7	11 1/2"	(292.1)	25 7/8"	(657.2)	12 1/4"	(311.1)	2 1/2"	(63.5)

Part No.	'F'		Steel Size		Maximum O.D. Covering		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3110-2	2 7/8"	(73.0)	3/16" x 1 1/4"	(4.8 x 31.7)	2 5/8"	(66.7)	150	(.67)	123	(55.8)
B3110-2 1/2	3 1/4"	(82.5)	3/16" x 1 1/4"	(4.8 x 31.7)	3"	(76.2)	225	(1.00)	178	(80.7)
B3110-3	3 7/8"	(98.4)	3/16" x 1 1/4"	(4.8 x 31.7)	3 5/8"	(92.1)	310	(1.38)	206	(93.4)
B3110-3 1/2	4 3/8"	(111.1)	1/4" x 1 1/4"	(6.3 x 31.7)	4 1/8"	(104.8)	390	(1.73)	267	(121.1)
B3110-4	4 7/8"	(123.8)	1/4" x 1 1/2"	(6.3 x 38.1)	4 11/16"	(119.1)	475	(2.11)	344	(156.0)
B3110-5	5 15/16"	(150.8)	3/8" x 1 3/4"	(9.5 x 44.4)	5 3/4"	(146.0)	685	(3.04)	600	(272.1)
B3110-6	7"	(177.8)	3/8" x 2"	(9.5 x 50.8)	6 3/4"	(171.4)	780	(3.47)	800	(362.9)
B3110-8	9"	(228.6)	3/8" x 2 1/2"	(9.5 x 63.5)	8 3/4"	(222.2)	780	(3.47)	1300	(589.7)
B3110-10	11 1/8"	(282.6)	3/8" x 2 1/2"	(9.5 x 63.5)	10 3/4"	(273.0)	965	(4.29)	1600	(725.7)
B3110-12	13 3/8"	(339.7)	1/2" x 2 1/2"	(12.7 x 63.5)	13"	(330.2)	1200	(5.34)	2600	(1179.3)
B3110-14	14 1/2"	(368.3)	1/2" x 2 1/2"	(12.7 x 63.5)	14 1/4"	(361.9)	1200	(5.34)	3400	(1542.2)
B3110-16	16 3/8"	(415.9)	1/2" x 2 1/2"	(12.7 x 63.5)	16 1/8"	(409.6)	1200	(5.34)	3900	(1769.0)
B3110-18	18 3/8"	(466.7)	1/2" x 3"	(12.7 x 76.2)	18 1/8"	(460.4)	1400	(6.23)	4900	(2222.6)
B3110-20	20 3/8"	(517.5)	5/8" x 3"	(15.9 x 76.2)	20 1/8"	(511.2)	1600	(7.11)	6686	(3032.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE ROLLERS & ROLLER SUPPORTS

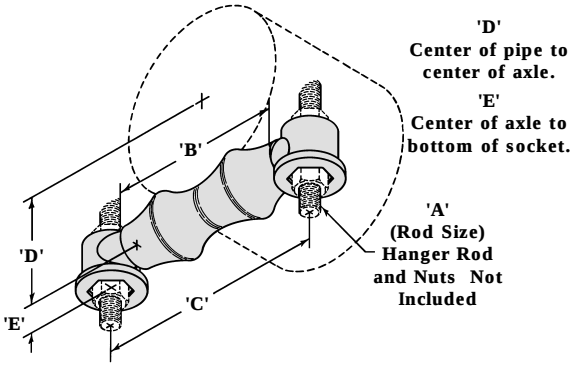


Figure B3114 Pipe Roll with Sockets

Material: Steel Axle with Cast Iron Roller/Malleable Sockets

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending piping where longitudinal movement and vertical adjustment is required. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish

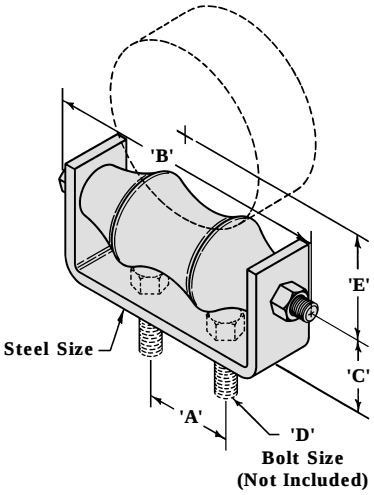
Approvals: Complies with Federal Specification WW-H-171E Type 42 and Manufacturers' Standardization Society SP-69 & SP-58 Type 41.

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'	
B3114-2	2"	(50)	3/8"-16	2 5/8"	(66.7)	4 1/8"	(104.8)	1 9/16"	(39.7)
B3114-2 1/2	2 1/2"	(65)	1/2"-13	3 1/8"	(79.4)	4 7/8"	(123.8)	1 7/8"	(47.6)
B3114-3	3"	(80)	1/2"-13	3 3/4"	(95.2)	5 1/2"	(139.7)	2 3/16"	(55.6)
B3114-3 1/2	3 1/2"	(90)	1/2"-13	4 1/4"	(107.9)	6 1/8"	(155.6)	2 1/2"	(63.5)
B3114-4	4"	(100)	5/8"-11	4 3/4"	(120.6)	6 3/4"	(171.4)	2 3/4"	(69.8)
B3114-5	5"	(125)	5/8"-11	5 13/16"	(147.6)	8 1/16"	(204.8)	3 3/8"	(85.7)
B3114-6	6"	(150)	3/4"-10	6 7/8"	(174.6)	9 9/16"	(242.9)	3 15/16"	(100.0)
B3114-8	8"	(200)	7/8"-9	8 7/8"	(225.4)	11 15/16"	(303.2)	5 1/16"	(128.6)
B3114-10	10"	(250)	7/8"-9	11"	(279.4)	14 1/16"	(357.2)	6 1/4"	(158.7)
B3114-12	12"	(300)	7/8"-9	13"	(330.2)	15 13/16"	(401.6)	7 3/8"	(187.3)
B3114-14	14"	(350)	1"-8	14 1/4"	(361.9)	17 3/4"	(450.8)	8 1/4"	(209.5)
B3114-16	16"	(400)	1"-8	16 1/4"	(412.7)	19 3/4"	(501.6)	9 1/4"	(234.9)
B3114-18	18"	(450)	1"-8	18 1/4"	(463.5)	21 7/8"	(555.6)	10 3/8"	(263.5)
B3114-20	20"	(500)	1 1/4"-7	20 1/4"	(514.3)	24 1/4"	(615.9)	11 1/2"	(292.1)
B3114-24	24"	(600)	1 1/2"-6	24 1/4"	(615.9)	28 7/8"	(733.4)	13 13/16"	(350.8)
B3114-30	30"	(750)	1 1/2"-6	30 1/4"	(768.3)	35 1/2"	(901.7)	17 1/4"	(438.1)

Part No.	'E'		Maximum O.D. Covering		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3114-2	3/4"	(19.0)	3 1/4"	(82.5)	600	(2.67)	119	(54.0)
B3114-2 1/2	3/4"	(19.0)	3 3/4"	(95.2)	660	(2.93)	140	(63.5)
B3114-3	3/4"	(19.0)	4 1/2"	(114.3)	700	(3.11)	158	(71.6)
B3114-3 1/2	3/4"	(19.0)	5"	(127.0)	750	(3.33)	170	(77.1)
B3114-4	3/4"	(19.0)	5 7/8"	(149.2)	750	(3.33)	188	(85.3)
B3114-5	3/4"	(19.0)	7"	(177.8)	750	(3.33)	246	(111.6)
B3114-6	1 1/8"	(28.6)	8 1/4"	(209.5)	1070	(4.76)	504	(228.6)
B3114-8	1 1/8"	(28.6)	10 1/2"	(266.7)	1350	(6.00)	658	(298.4)
B3114-10	1 1/8"	(28.6)	12 3/4"	(323.8)	1730	(7.69)	849	(385.1)
B3114-12	1 1/8"	(28.6)	14 3/4"	(374.6)	2400	(10.67)	1200	(544.3)
B3114-14	1 1/2"	(38.1)	16 1/4"	(412.7)	3130	(13.92)	2289	(1038.3)
B3114-16	1 1/2"	(38.1)	18"	(457.2)	3970	(17.66)	2497	(1132.6)
B3114-18	1 1/2"	(38.1)	20 1/4"	(514.3)	4200	(18.68)	2899	(1315.0)
B3114-20	1 1/2"	(38.1)	22 1/2"	(571.5)	4550	(20.24)	3637	(1649.7)
B3114-24	2"	(50.8)	26 1/2"	(673.1)	6160	(27.40)	5664	(2569.2)
B3114-30	2"	(50.8)	32 1/2"	(825.5)	7290	(32.42)	9437	(4280.6)

36" (900) available upon request.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



'B'
Overall Bolt Length
'C'
Center of axle to bottom of steel strap.
'E'
Center of axle to center of pipe.

Material: Steel with Cast Iron Roller

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish. (Order mounting bolts separately).

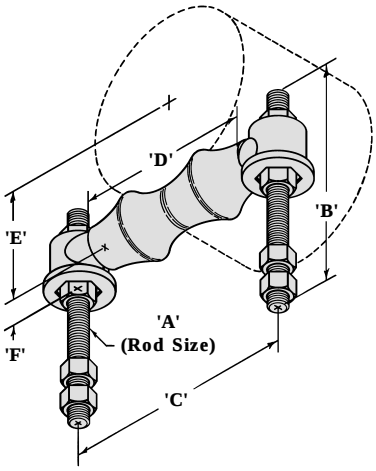
Figure B3120 Roller Chair

Part No.	Nominal Pipe Size		'A'		'B'		'C'		Recommended Bolt Size (Not Included) 'D'
B3120-2	2"	(50)	1 1/4"	(31.7)	4 5/8"	(117.5)	1 1/2"	(38.1)	3/8"-16 x 1 1/2"
B3120-2 1/2	2 1/2"	(65)	1 1/4"	(31.7)	5 3/8"	(136.5)	1 5/8"	(41.3)	3/8"-16 x 1 1/2"
B3120-3	3"	(80)	2"	(50.8)	6"	(152.4)	1 3/4"	(44.4)	3/8"-16 x 1 1/2"
B3120-3 1/2	3 1/2"	(90)	2"	(50.8)	6 3/4"	(171.4)	2 1/16"	(52.4)	3/8"-16 x 1 1/2"
B3120-4	4"	(100)	2"	(50.8)	7 1/4"	(184.1)	2 5/16"	(58.7)	1/2"-13 x 1 1/2"
B3120-5	5"	(125)	3"	(76.2)	8 7/16"	(214.3)	2 1/2"	(63.5)	1/2"-13 x 1 1/2"
B3120-6	6"	(150)	3 1/8"	(79.4)	9 3/4"	(247.6)	2 3/4"	(69.8)	1/2"-13 x 1 1/2"
B3120-8	8"	(200)	3 3/8"	(85.7)	12"	(304.8)	3"	(76.2)	5/8"-11 x 1 1/2"
B3120-10	10"	(250)	5 1/4"	(133.3)	14 7/16"	(366.7)	3 5/8"	(92.1)	5/8"-11 x 2"
B3120-12	12"	(300)	5 1/2"	(139.7)	16 5/8"	(422.3)	4 1/8"	(104.8)	5/8"-11 x 2"

Part No.	'E'		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3120-2	1 9/16"	(39.7)	1/4" x 1 1/4"	(6.3 x 31.7)	300	(1.33)	119	(54.0)
B3120-2 1/2	1 7/8"	(47.6)	1/4" x 1 1/4"	(6.3 x 31.7)	600	(2.67)	146	(66.2)
B3120-3	2 3/16"	(55.6)	1/4" x 1 1/4"	(6.3 x 31.7)	600	(2.67)	172	(78.0)
B3120-3 1/2	2 1/2"	(63.5)	3/8" x 1 1/2"	(9.5 x 38.1)	600	(2.67)	264	(119.7)
B3120-4	2 3/4"	(69.8)	3/8" x 1 1/2"	(9.5 x 38.1)	700	(3.11)	303	(137.4)
B3120-5	3 3/8"	(85.7)	3/8" x 1 1/2"	(9.5 x 38.1)	700	(3.11)	401	(181.9)
B3120-6	3 15/16"	(100.0)	3/8" x 2"	(9.5 x 50.8)	1000	(4.45)	620	(281.2)
B3120-8	5 1/16"	(128.6)	3/8" x 2"	(9.5 x 50.8)	1300	(5.78)	874	(396.4)
B3120-10	6 1/4"	(158.7)	1/2" x 2"	(12.7 x 50.8)	1700	(7.56)	1270	(576.1)
B3120-12	7 3/8"	(187.3)	1/2" x 2"	(12.7 x 50.8)	2300	(10.33)	1918	(870.0)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE ROLLERS & ROLLER SUPPORTS



'D'
Length of Roller
'E'
Center of axle to center of pipe.
'F'
Center of axle to bottom of socket.

Material: Steel Rods and Axle with Cast Iron Roller/Malleable Sockets

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting pipe where longitudinal movement and vertical adjustment are required. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

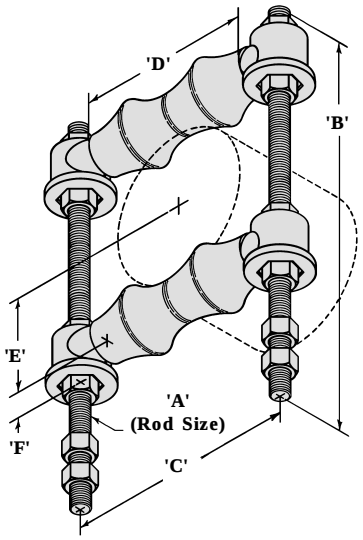
Ordering: Specify part number and finish.

Figure B3122 Adjustable Roller Support

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'	
B3122-2	2"	(50)	3/8"-16	12"	(304.8)	4 1/8"	(104.8)	2 5/8"	(66.7)
B3122-2 1/2	2 1/2"	(65)	1/2"-13	12"	(304.8)	4 7/8"	(123.8)	3 1/8"	(79.4)
B3122-3	3"	(80)	1/2"-13	12"	(304.8)	5 1/2"	(139.7)	3 3/4"	(95.2)
B3122-3 1/2	3 1/2"	(90)	1/2"-13	12"	(304.8)	6 1/8"	(155.6)	4 1/4"	(107.9)
B3122-4	4"	(100)	5/8"-11	12"	(304.8)	6 3/4"	(171.4)	4 3/4"	(120.6)
B3122-5	5"	(125)	5/8"-11	12"	(304.8)	8 1/16"	(204.8)	5 13/16"	(147.6)
B3122-6	6"	(150)	3/4"-10	12"	(304.8)	9 9/16"	(242.9)	6 7/8"	(174.6)
B3122-8	8"	(200)	7/8"-9	12"	(304.8)	11 15/16"	(303.2)	8 7/8"	(225.4)
B3122-10	10"	(250)	7/8"-9	12"	(304.8)	14 1/16"	(357.2)	11"	(279.4)
B3122-12	12"	(300)	7/8"-9	12"	(304.8)	15 13/16"	(401.6)	13"	(330.2)
B3122-14	14"	(350)	1"-8	12"	(304.8)	17 3/4"	(450.8)	14 1/4"	(361.9)

Part No.	'E'		'F'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3122-2	1 9/16"	(39.7)	3/4"	(19.0)	600	(2.67)	194	(88.0)
B3122-2 1/2	1 7/8"	(47.6)	3/4"	(19.0)	660	(2.93)	284	(128.8)
B3122-3	2 3/16"	(55.6)	3/4"	(19.0)	700	(3.11)	302	(137.0)
B3122-3 1/2	2 1/2"	(63.5)	3/4"	(19.0)	750	(3.33)	314	(142.4)
B3122-4	2 3/4"	(69.8)	3/4"	(19.0)	750	(3.33)	438	(198.7)
B3122-5	3 3/8"	(85.7)	3/4"	(19.0)	750	(3.33)	495	(224.5)
B3122-6	3 15/16"	(100.0)	1 1/8"	(28.6)	1070	(4.76)	867	(393.3)
B3122-8	5 1/16"	(128.6)	1 1/8"	(28.6)	1350	(6.00)	1176	(533.4)
B3122-10	6 1/4"	(158.7)	1 1/8"	(28.6)	1730	(7.69)	1368	(620.5)
B3122-12	7 3/8"	(187.3)	1 1/8"	(28.6)	2400	(10.67)	1861	(844.1)
B3122-14	8 1/4"	(209.5)	1 1/2"	(38.1)	3130	(13.92)	3116	(1413.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



'D'
Length of Roller
'E'
Center of axle to center of pipe.
'F'
Center of axle to bottom of socket.

Material: Steel Rods and Axle with Cast Iron Rollers/Malleable Sockets

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting and guiding pipe where longitudinal movement and vertical adjustment are required. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

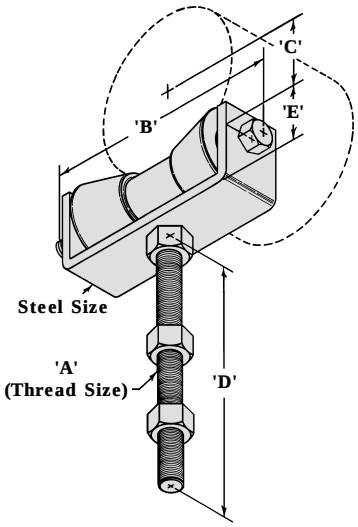
Figure B3122A Adjustable Double Roller Guide

Part No.	Nominal Pipe Size		Rod Size 'A'	'B'		'C'		'D'	
B3122A-2	2"	(50)	3/8"-16	12"	(304.8)	4 1/8"	(104.8)	2 5/8"	(66.7)
B3122A-2 1/2	2 1/2"	(65)	1/2"-13	14"	(355.6)	4 7/8"	(123.8)	3 1/8"	(79.4)
B3122A-3	3"	(80)	1/2"-13	14"	(355.6)	5 1/2"	(139.7)	3 3/4"	(95.2)
B3122A-3 1/2	3 1/2"	(90)	1/2"-13	14"	(355.6)	6 1/8"	(155.6)	4 1/4"	(107.9)
B3122A-4	4"	(100)	5/8"-11	18"	(457.2)	6 3/4"	(171.4)	4 3/4"	(120.6)
B3122A-5	5"	(125)	5/8"-11	18"	(457.2)	8 1/16"	(204.8)	5 13/16"	(147.6)
B3122A-6	6"	(150)	3/4"-10	24"	(609.6)	9 9/16"	(242.9)	6 7/8"	(174.6)
B3122A-8	8"	(200)	7/8"-9	24"	(609.6)	11 15/16"	(303.2)	8 7/8"	(225.4)
B3122A-10	10"	(250)	7/8"-9	30"	(762.0)	14 1/16"	(357.2)	11"	(279.4)
B3122A-12	12"	(300)	7/8"-9	30"	(762.0)	15 13/16"	(401.6)	13"	(330.2)
B3122A-14	14"	(350)	1"-8	36"	(914.4)	17 3/4"	(450.8)	14 1/4"	(361.9)

Part No.	'E'		'F'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3122A-2	1 9/16"	(39.7)	3/4"	(19.0)	600	(2.67)	323	(146.5)
B3122A-2 1/2	1 7/8"	(47.6)	3/4"	(19.0)	660	(2.93)	465	(210.9)
B3122A-3	2 3/16"	(55.6)	3/4"	(19.0)	700	(3.11)	501	(227.2)
B3122A-3 1/2	2 1/2"	(63.5)	3/4"	(19.0)	750	(3.33)	525	(238.1)
B3122A-4	2 3/4"	(69.8)	3/4"	(19.0)	750	(3.33)	757	(343.4)
B3122A-5	3 3/8"	(85.7)	3/4"	(19.0)	750	(3.33)	872	(395.5)
B3122A-6	3 15/16"	(100.0)	1 1/8"	(28.6)	1070	(4.76)	1687	(765.2)
B3122A-8	5 1/16"	(128.6)	1 1/8"	(28.6)	1350	(6.00)	2277	(1032.8)
B3122A-10	6 1/4"	(158.7)	1 1/8"	(28.6)	1730	(7.69)	2830	(1283.7)
B3122A-12	7 3/8"	(187.3)	1 1/8"	(28.6)	2400	(10.67)	3817	(1731.4)
B3122A-14	8 1/4"	(209.5)	1 1/2"	(38.1)	3130	(13.92)	6513	(2954.3)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE ROLLERS & ROLLER SUPPORTS



'B'
Overall Bolt Length
'C'
Center of axle to center of pipe.
'D'
Overall Stud Height
'E'
Center of roller to bottom of chair.
'F'
Length of Roller

Material: Steel with Cast Iron Roller

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting pipe where longitudinal movement and vertical adjustment are required. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

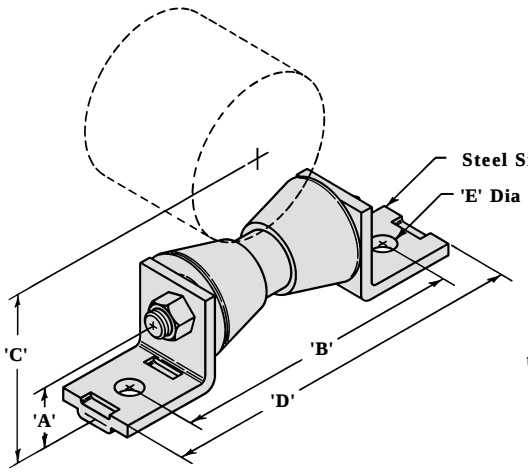
Ordering: Specify part number and finish.

Figure B3124 Roller Support

Part No.	Nominal Pipe Size		Thread Size 'A'	'B'		'C'		'D'	
B3124-2 to 3 1/2	2"	(50)	5/8"-11	4 3/4"	(120.6)	1 15/16"	(49.2)	5"	(127.0)
	2 1/2"	(65)	5/8"-11	4 3/4"	(120.6)	2 3/16"	(55.6)	5"	(127.0)
	3"	(80)	5/8"-11	4 3/4"	(120.6)	2 1/2"	(63.5)	5"	(127.0)
	3 1/2"	(90)	5/8"-11	4 3/4"	(120.6)	2 3/4"	(69.8)	5"	(127.0)
B3124-4 to 6	4"	(100)	3/4"-10	5 7/8"	(149.2)	2 15/16"	(74.6)	6"	(152.4)
	5"	(125)	3/4"-10	5 7/8"	(149.2)	3 1/2"	(88.9)	6"	(152.4)
	6"	(150)	3/4"-10	5 7/8"	(149.2)	4"	(101.6)	6"	(152.4)
B3124-8 to 10	8"	(200)	7/8"-9	8 3/4"	(222.2)	5 3/8"	(136.5)	6"	(152.4)
	10"	(250)	7/8"-9	8 3/4"	(222.2)	6 7/16"	(163.5)	6"	(152.4)
B3124-12 to 14	12"	(300)	1"-8	11 1/4"	(285.7)	7 9/16"	(192.1)	7"	(177.8)
	14"	(350)	1"-8	11 1/4"	(285.7)	8 3/16"	(208.0)	7"	(177.8)
B3124-16 to 20	16"	(400)	1 1/8"-7	12 1/2"	(317.5)	9 3/8"	(238.1)	8"	(203.2)
	18"	(450)	1 1/8"-7	12 1/2"	(317.5)	10 3/8"	(263.5)	8"	(203.2)
	20"	(500)	1 1/8"-7	12 1/2"	(317.5)	11 3/8"	(288.9)	8"	(203.2)

Part No.	'E'		Length of Roller		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3124-2 to 3 1/2	1 7/16"	(36.5)	2 3/4"	(69.8)	3/16" x 1 1/2"	(4.8 x 38.1)	390	(1.73)	233	(105.7)
B3124-4 to 6	1 1/2"	(38.1)	3 3/4"	(95.2)	1/4" x 2"	(6.3 x 50.8)	600	(2.67)	368	(166.9)
B3124-8 to 10	2 1/4"	(57.1)	6"	(152.4)	3/8" x 2"	(9.5 x 50.8)	800	(3.56)	919	(416.8)
B3124-12 to 14	2 3/4"	(69.8)	8"	(203.2)	1/2" x 2"	(12.7 x 50.8)	1300	(5.78)	1660	(753.0)
B3124-16 to 20	3"	(76.2)	9"	(228.6)	1/2" x 2"	(12.7 x 50.8)	2300	(10.23)	2250	(1020.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



'A'
Center of axle
to bottom of plate.
'C'
Center of pipe to
bottom of support
bracket.

Material: Steel with Cast Iron Roller

Standard Finish: Plain or Electro-Plated

Service: Designed to mount on strut (metal framing) for the support of pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

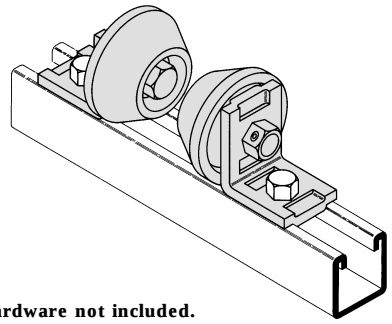
Figure B3126 Roller Support

Part No.	Nominal Pipe Size		'A'		'B'		'C'		'D'	
B3126-2 to 3 1/2	2"	(50)	1 7/16"	(36.5)	6"	(152.4)	3 11/64"	(80.6)	7 5/8"	(193.7)
	2 1/2"	(65)	1 7/16"	(36.5)	6"	(152.4)	3 27/64"	(86.9)	7 5/8"	(193.7)
	3"	(80)	1 7/16"	(36.5)	6"	(152.4)	3 47/64"	(94.8)	7 5/8"	(193.7)
	3 1/2"	(90)	1 7/16"	(36.5)	6"	(152.4)	3 63/64"	(101.2)	7 5/8"	(193.7)
B3126-4 to 6	4"	(100)	1 7/16"	(36.5)	7"	(177.8)	4 13/64"	(106.8)	8 5/8"	(219.1)
	5"	(125)	1 7/16"	(36.5)	7"	(177.8)	4 47/64"	(120.2)	8 5/8"	(219.1)
	6"	(150)	1 7/16"	(36.5)	7"	(177.8)	5 17/64"	(133.8)	8 5/8"	(219.1)
B3126-8 to 10	8"	(200)	1 13/16"	(46.0)	8 3/4"	(222.3)	7"	(177.8)	10 3/8"	(263.5)
	10"	(250)	1 13/16"	(46.0)	8 3/4"	(222.3)	8 1/16"	(204.8)	10 3/8"	(263.5)
B3126-12 to 14	12"	(300)	2 7/16"	(61.9)	12 1/8"	(308.0)	9 27/32"	(250.1)	14 3/8"	(365.1)
	14"	(350)	2 7/16"	(61.9)	12 1/8"	(308.0)	10 15/32"	(265.9)	14 3/8"	(365.1)
B3126-16 to 20	16"	(400)	2 5/8"	(66.7)	13 1/8"	(333.4)	11 7/8"	(301.6)	15 3/8"	(390.5)
	18"	(450)	2 5/8"	(66.7)	13 1/8"	(333.4)	12 7/8"	(327.1)	15 3/8"	(390.5)
	20"	(500)	2 5/8"	(66.7)	13 1/8"	(333.4)	13 7/8"	(352.4)	15 3/8"	(390.5)

Part No.	'E'		Steel Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3126-2 to 3 1/2	9/16"	(14.3)	1/4" x 1 5/8"	(6.3 x 41.3)	390	(1.73)	177	(80.3)
B3126-4 to 6	9/16"	(14.3)	1/4" x 1 5/8"	(6.3 x 41.3)	600	(2.67)	231	(104.8)
B3126-8 to 10	9/16"	(14.3)	1/4" x 1 5/8"	(6.3 x 41.3)	800	(3.56)	542	(245.8)
B3126-12 to 14	13/16"	(20.6)	3/8" x 2"	(9.5 x 50.8)	1300	(5.78)	1040	(471.7)
B3126-16 to 20	13/16"	(20.6)	3/8" x 2"	(9.5 x 50.8)	2300	(10.23)	1508	(684.0)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE ROLLERS & ROLLER SUPPORTS



Mounting hardware not included.

Material: Steel with Malleable Iron Rollers

Standard Finish: Electro-Plated

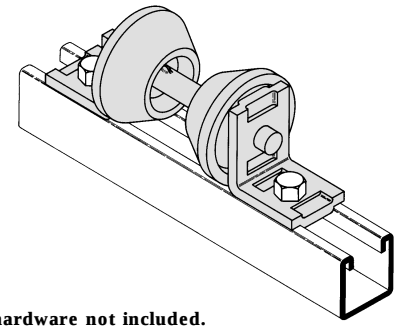
Service: Designed to mount on strut (metal framing) for the support of pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

Design Load: 500 Lbs. (2.22kN)

Note: See B-Line Strut Systems Catalog for dimensional & data charts.

Figure B218 Pipe Rollers-1/2" (15) to 8" (200) Pipe



Mounting hardware not included.

Material: Steel with Malleable Iron Rollers

Standard Finish: Electro-Plated

Service: Designed to mount on strut (metal framing) for the support of pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

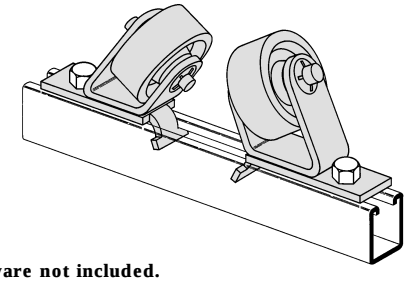
Design Load: 750 Lbs. (3.33kN)

Note: See B-Line Strut Systems Catalog for dimensional & data charts.

Part No.	Wt./C Lbs.	Wt./C kg	Pipe Size
B219	253	(114.7)	3/4" - 3"
B219-1	258	(117.0)	2 1/2" - 4"
B219-2	263	(119.3)	4" - 6"
B219-3	269	(122.0)	6" - 8"
B219-4	274	(124.8)	10"
B219-5	279	(126.5)	12"

Figure B219 Pipe Rollers 3/4" (15) to 12" (300) Pipe

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Mounting hardware not included.

Material: Steel with Malleable Iron Rollers

Standard Finish: Electro-Plated

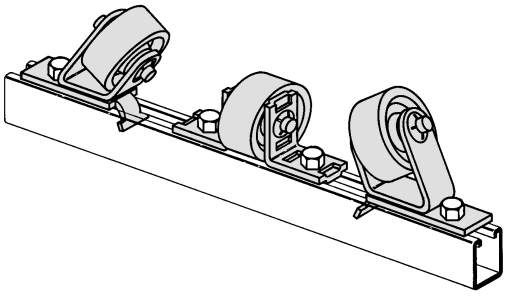
Service: Designed to mount on strut (metal framing) for the support of pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

Design Load: 1500 Lbs. (6.67kN)

Note: See B-Line Strut Systems Catalog for dimensional & data charts.

Figure B379 Pipe Roller - 6" (150) to 18" (450) Pipe



Mounting hardware not included.

Material: Steel with Malleable Iron Rollers

Standard Finish: Electro-Plated

Service: Designed to mount on strut (metal framing) for the support of pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

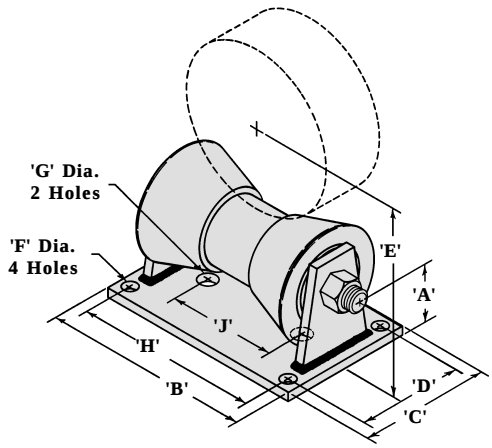
Design Load: 2000 Lbs. (8.89kN)

Note: See B-Line Strut Systems Catalog for dimensional & data charts.

Figure B479 Pipe Roller - 16" (400) to 30" (750) Pipe

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE ROLLERS & ROLLER SUPPORTS



'A'
Center of axle
to bottom of plate.
'E'
Center of pipe to
bottom of base plate.

Material: Steel with Cast Iron Roller

Standard Finish: Plain or Electro-Plated

Service: Designed for support of pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

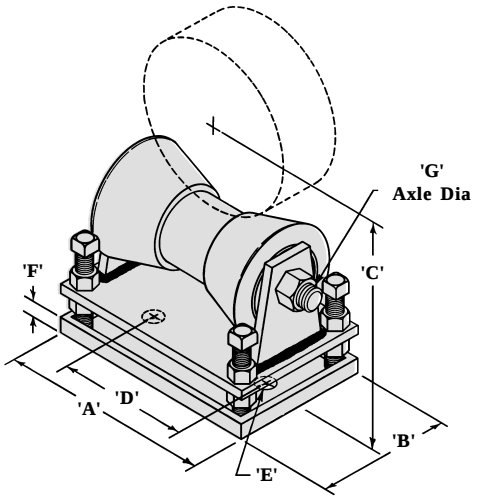
Approvals: Complies with Federal Specification WW-H-171E Type 45 and Manufacturers' Standardization Society SP-69 & SP-58 Type 44.

Figure B3117SL Steel Roller Stand

Part No.	Nominal Pipe Size		'A'		'B'		'C'		'D'		'E'	
B3117SL-2 to 3 1/2	2"	(50)	1 3/4"	(44.4)	8 3/8"	(212.7)	6"	(152.4)	4"	(101.6)	3 11/16"	(93.7)
	2 1/2"	(65)	1 3/4"	(44.4)	8 3/8"	(212.7)	6"	(152.4)	4"	(101.6)	3 15/16"	(100.0)
	3"	(80)	1 3/4"	(44.4)	8 3/8"	(212.7)	6"	(152.4)	4"	(101.6)	4 1/4"	(107.9)
	3 1/2"	(90)	1 3/4"	(44.4)	8 3/8"	(212.7)	6"	(152.4)	4"	(101.6)	4 1/2"	(114.3)
B3117SL-4 to 6	4"	(100)	2 1/16"	(52.4)	9 7/8"	(250.8)	6"	(152.4)	4 1/4"	(107.9)	5"	(127.0)
	5"	(125)	2 1/16"	(52.4)	9 7/8"	(250.8)	6"	(152.4)	4 1/4"	(107.9)	5 9/16"	(141.3)
	6"	(150)	2 1/16"	(52.4)	9 7/8"	(250.8)	6"	(152.4)	4 1/4"	(107.9)	6 1/16"	(154.0)
B3117SL-8 to 10	8"	(200)	3 7/16"	(87.3)	8 5/8"	(219.1)	8"	(203.2)	5"	(127.0)	8 13/16"	(223.8)
	10"	(250)	3 7/16"	(87.3)	8 5/8"	(219.1)	8"	(203.2)	5"	(127.0)	9 7/8"	(250.8)
B3117SL-12 to 14	12"	(300)	3 7/8"	(98.4)	10 15/16"	(277.8)	8"	(203.2)	6"	(152.4)	11 7/16"	(290.5)
	14"	(350)	3 7/8"	(98.4)	10 15/16"	(277.8)	8"	(203.2)	6"	(152.4)	12 1/16"	(306.4)
B3117SL-16 to 20	16"	(400)	4 1/4"	(107.9)	12 3/8"	(314.3)	10"	(254.0)	6 1/2"	(165.1)	13 5/8"	(346.1)
	18"	(450)	4 1/4"	(107.9)	12 3/8"	(314.3)	10"	(254.0)	6 1/2"	(165.1)	14 11/16"	(373.1)
	20"	(500)	4 1/4"	(107.9)	12 3/8"	(314.3)	10"	(254.0)	6 1/2"	(165.1)	15 11/16"	(398.5)
B3117SL-24	24"	(600)	4 3/8"	(111.1)	13 1/2"	(342.9)	10"	(254.0)	6 1/2"	(165.1)	17 11/16"	(449.3)
B3117SL-30	30"	(750)	5 1/8"	(130.2)	17"	(431.8)	10 3/4"	(273.0)	8"	(203.2)	21 3/4"	(552.4)

Part No.	Dia. 'F'		Dia. 'G'		'H'		'J'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3117SL-2 to 3 1/2	1/2"	(12.7)	1"	(25.4)	6 3/8"	(161.9)	3 7/16"	(87.3)	390	(1.73)	508	(230.4)
B3117SL-4 to 6	1/2"	(12.7)	1"	(25.4)	7 7/8"	(200.0)	4 11/16"	(119.1)	950	(4.22)	631	(286.2)
B3117SL-8 to 10	5/8"	(15.9)	1"	(25.4)	7"	(177.8)	4"	(101.6)	2100	(9.34)	1271	(576.5)
B3117SL-12 to 14	3/4"	(19.0)	1"	(25.4)	9 1/16"	(230.2)	5 3/4"	(146.0)	3075	(13.68)	1994	(904.5)
B3117SL-16 to 20	13/16"	(20.6)	1"	(25.4)	10 1/4"	(260.3)	6 3/4"	(171.4)	4980	(22.15)	3423	(1552.7)
B3117SL-24	13/16"	(20.6)	1"	(25.4)	11 3/8"	(288.9)	7 1/2"	(190.5)	6100	(27.13)	4710	(2136.4)
B3117SL-30	1 1/16"	(27.0)	1"	(25.4)	14 1/4"	(361.9)	10"	(254.0)	7500	(33.36)	7132	(3235.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



'C'
Center of pipe to bottom of base plate.

'D'
Center to center of mounting holes in bottom plate.

'E' Dia.
Mounting holes in bottom plate.

Material: Steel with Cast Iron Roller

Standard Finish: Plain or Electro-Plated

Service: Designed for support of pipe where longitudinal movement and vertical adjustment are required. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 47 and Manufacturers' Standardization Society SP-69 & SP-58 Type 46.

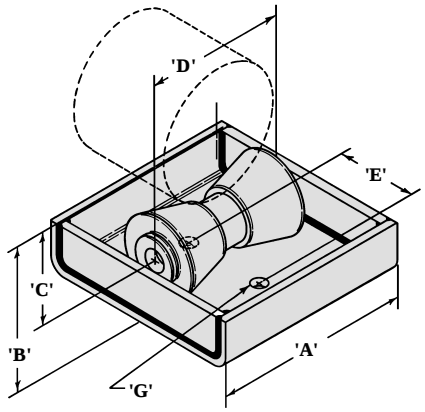
Figure B3118SL Adjustable Roller Stand with Base Plate

Part No.	Nominal Pipe Size		'A'		'B'		'C' Minimum		'C' Maximum		'D'	
B3118SL-2 to 3 1/2	2"	(50)	6 7/8"	(174.6)	6"	(152.4)	4 3/4"	(120.6)	5 5/8"	(142.9)	3 7/8"	(98.4)
	2 1/2"	(65)	6 7/8"	(174.6)	6"	(152.4)	5"	(127.0)	5 7/8"	(142.9)	3 7/8"	(98.4)
	3"	(80)	6 7/8"	(174.6)	6"	(152.4)	5 5/16"	(134.9)	6 3/16"	(157.2)	3 7/8"	(98.4)
	3 1/2"	(90)	6 7/8"	(174.6)	6"	(152.4)	5 9/16"	(141.3)	6 7/16"	(163.5)	3 7/8"	(98.4)
B3118SL-4 to 6	4"	(100)	8 1/8"	(206.4)	6"	(152.4)	6 3/16"	(157.2)	7 7/16"	(188.9)	5 1/8"	(130.2)
	5"	(125)	8 1/8"	(206.4)	6"	(152.4)	6 3/4"	(171.4)	8"	(203.2)	5 1/8"	(130.2)
	6"	(150)	8 1/8"	(206.4)	6"	(152.4)	7 1/4"	(184.1)	8 1/2"	(215.9)	5 1/8"	(130.2)
B3118SL-8 to 10	8"	(200)	10 5/8"	(269.9)	8"	(203.2)	10 1/8"	(257.2)	11 11/16"	(296.9)	7 3/8"	(187.3)
	10"	(250)	10 5/8"	(269.9)	8"	(203.2)	11 3/16"	(284.2)	12 3/4"	(323.8)	7 3/8"	(187.3)
B3118SL-12 to 14	12"	(300)	13"	(330.2)	8"	(203.2)	12 3/4"	(323.8)	14 1/8"	(358.8)	9 1/2"	(241.3)
	14"	(350)	13"	(330.2)	8"	(203.2)	13 3/8"	(339.7)	14 3/8"	(365.1)	9 1/2"	(241.3)
B3118SL-16 to 20	16"	(400)	14 5/8"	(371.5)	10"	(254.0)	15 3/8"	(390.5)	17 1/4"	(438.1)	11 1/8"	(282.6)
	18"	(450)	14 5/8"	(371.5)	10"	(254.0)	16 3/8"	(415.9)	18 1/4"	(463.5)	11 1/8"	(282.6)
	20"	(500)	14 5/8"	(371.5)	10"	(254.0)	17 3/8"	(441.3)	19 1/4"	(488.9)	11 1/8"	(282.6)
B3118SL-24	24"	(600)	15 3/4"	(400.0)	10"	(254.0)	19 1/4"	(488.9)	21 1/4"	(539.7)	12 1/4"	(311.1)
B3118SL-30	30"	(750)	19 1/4"	(488.9)	10 1/2"	(266.7)	24 7/16"	(620.7)	26 11/16"	(677.9)	15 3/4"	(400.0)

Part No.	'E'		'F'		Axle Dia. 'G'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3118SL-2 to 3 1/2	1"	(25.4)	1"	(25.4)	1/2"	(12.7)	390	(1.73)	1100	(498.9)
B3118SL-4 to 6	1"	(25.4)	1"	(25.4)	1/2"	(12.7)	950	(4.22)	1310	(594.2)
B3118SL-8 to 10	1"	(25.4)	1 1/8"	(28.6)	3/4"	(19.0)	2100	(9.34)	2725	(1236.0)
B3118SL-12 to 14	1"	(25.4)	1 1/8"	(28.6)	7/8"	(22.2)	3075	(13.68)	3612	(1638.4)
B3118SL-16 to 20	1"	(25.4)	1 1/4"	(31.7)	1 1/8"	(28.6)	4980	(22.15)	6384	(2895.8)
B3118SL-24	1"	(25.4)	1 3/8"	(34.9)	1 1/4"	(31.7)	6100	(27.13)	8437	(3827.0)
B3118SL-30	1"	(25.4)	1 5/8"	(41.3)	1 3/4"	(44.4)	7500	(33.36)	12528	(5682.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE ROLLERS & ROLLER SUPPORTS



'B'
Center of pipe to bottom of plate.
'C'
Center of pipe to center of roller.
'D'
Length of Roller
'E'
Center to center of mounting holes in bottom plate.
'F'
Roller Travel
'G' Dia.
1 hole for sizes 2 thru 6
2 holes for sizes 8 thru 30

Material: Steel with Cast Iron Roller

Standard Finish: Plain or Electro-Plated

Service: Designed for support of pipe with longitudinal movement. When used with insulated pipe, see B3160-B3165 Pipe Covering Protection Saddle charts for proper sizing on pages 110 thru 115.

Ordering: Specify part number and finish.

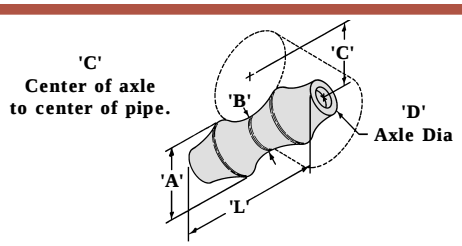
Approvals: Complies with Federal Specification WW-H-171E Type 46 and Manufacturers' Standardization Society SP-69 & Sp-58 Type 45.

Figure B3119SL Roller with Steel Base Plate

Part No.	Nominal Pipe Size		Structural Channel Size	'A'		'B'		'C'		'D'	
B3119SL-2 to 3 1/2	2"	(50)	C4 x 5.4	4 3/4"	(120.6)	3 1/16"	(77.8)	1 15/16"	(49.2)	2 3/4"	(69.8)
	2 1/2"	(65)		4 3/4"	(120.6)	3 5/16"	(84.1)	2 3/16"	(55.6)	2 3/4"	(69.8)
	3"	(80)		4 3/4"	(120.6)	3 5/8"	(92.1)	2 1/2"	(63.5)	2 3/4"	(69.8)
	3 1/2"	(90)		4 3/4"	(120.6)	3 7/8"	(98.4)	2 3/4"	(69.8)	2 3/4"	(69.8)
B3119SL-4 to 6	4"	(100)	C5 x 6.7	5 3/4"	(146.0)	4 1/8"	(104.8)	2 15/16"	(74.6)	3 3/4"	(95.2)
	5"	(125)		5 3/4"	(146.0)	4 11/16"	(119.1)	3 1/2"	(88.9)	3 3/4"	(95.2)
	6"	(150)		5 3/4"	(146.0)	5 3/16"	(131.8)	4"	(101.6)	3 3/4"	(95.2)
B3119SL-8 to 10	8"	(200)	C6 x 8.2	8"	(203.2)	7 3/16"	(182.6)	5 3/8"	(136.5)	6"	(152.4)
	10"	(250)		8"	(203.2)	8 1/4"	(209.5)	6 7/16"	(163.5)	6"	(152.4)
B3119SL-12 to 14	12"	(300)	C8 x 11.5	10"	(254.0)	9 13/16"	(249.2)	7 9/16"	(192.1)	8"	(203.2)
	14"	(350)		10"	(254.0)	10 7/16"	(265.1)	8 3/16"	(208.0)	8"	(203.2)
B3119SL-16 to 20	16"	(400)	C8 x 11.5	11"	(279.4)	11 7/8"	(301.6)	9 3/8"	(238.1)	9"	(228.6)
	18"	(450)		11"	(279.4)	12 15/16"	(328.6)	10 7/16"	(265.1)	9"	(228.6)
	20"	(500)		11"	(279.4)	13 15/16"	(354.0)	11 7/16"	(290.5)	9"	(228.6)
B3119SL-24	24"	(600)	C8 x 11.5	12"	(304.8)	15 13/16"	(401.6)	13 5/16"	(338.1)	10"	(254.0)
B3119SL-30	30"	(750)	C10 x 15.3	14 1/2"	(368.3)	19 5/8"	(498.5)	16 5/8"	(422.3)	12 1/2"	(317.5)

Part No.	'E'		'F'		Dia. 'G'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3119SL-2 to 3 1/2	-	-	1 3/4"	(44.4)	9/16"	(14.3)	390	(1.73)	314	(142.3)
B3119SL-4 to 6	-	-	2 1/2"	(63.5)	11/16"	(17.5)	950	(4.22)	489	(225.9)
B3119SL-8 to 10	3"	(76.2)	2 1/2"	(63.5)	13/16"	(20.6)	2100	(9.34)	950	(430.9)
B3119SL-12 to 14	4"	(101.6)	3 5/8"	(92.1)	13/16"	(20.6)	3075	(13.68)	1741	(789.7)
B3119SL-16 to 20	4"	(101.6)	3 1/8"	(79.4)	13/16"	(20.6)	4980	(22.15)	2018	(915.3)
B3119SL-24	4"	(101.6)	3 1/8"	(79.4)	13/16"	(20.6)	6100	(27.13)	2175	(986.6)
B3119SL-30	6"	(152.4)	4 1/8"	(104.8)	13/16"	(20.6)	7500	(33.36)	3510	(1592.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Cast Iron

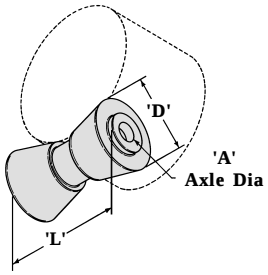
Standard Finish: Plain or Electro-Plated

Service: Designed for supporting pipe runs with longitudinal movement. Use with steel rod axle.

Ordering: Specify part number and finish.

Figure B3114R Long Pattern Pipe Roller Only

Part No.	Nominal Pipe Size		'A'		'B'		'C'		Axle Dia. 'D'		'L'		Wt./C Lbs.	Wt./C kg
B3114R-2	2"	(50)	1 1/16"	(27.0)	3/4"	(19.0)	1 9/16"	(39.7)	3/8"	(9.5)	2 5/8"	(66.7)	29	(13.1)
B3114R-2 1/2	2 1/2"	(65)	1 1/4"	(31.7)	7/8"	(22.2)	1 7/8"	(47.6)	1/2"	(12.7)	3 1/8"	(79.4)	47	(21.3)
B3114R-3	3"	(80)	1 3/8"	(34.9)	7/8"	(22.2)	2 3/16"	(55.6)	1/2"	(12.7)	3 3/4"	(95.2)	62	(28.1)
B3114R-3 1/2	3 1/2"	(90)	1 1/2"	(38.1)	1"	(25.4)	2 1/2"	(63.5)	1/2"	(12.7)	4 1/4"	(107.9)	71	(32.2)
B3114R-4	4"	(100)	1 19/32"	(40.5)	1"	(25.4)	2 3/4"	(69.8)	1/2"	(12.7)	4 3/4"	(120.6)	96	(43.5)
B3114R-5	5"	(125)	1 7/8"	(47.6)	1 1/8"	(28.6)	3 3/8"	(85.7)	5/8"	(15.9)	5 13/16"	(147.6)	131	(59.4)
B3114R-6	6"	(150)	2 1/8"	(54.0)	1 1/4"	(31.7)	3 15/16"	(100.0)	3/4"	(19.0)	6 7/8"	(174.6)	207	(93.9)
B3114R-8	8"	(200)	2 5/8"	(66.7)	1 1/2"	(38.1)	5 1/16"	(128.6)	7/8"	(22.2)	8 7/8"	(225.4)	323	(146.5)
B3114R-10	10"	(250)	3 3/16"	(81.0)	1 3/4"	(44.4)	6 1/4"	(158.7)	7/8"	(22.2)	11"	(279.4)	482	(218.6)
B3114R-12	12"	(300)	3 3/4"	(95.2)	2"	(50.8)	7 3/8"	(187.3)	1"	(25.4)	13"	(330.2)	854	(387.4)
B3114R-14	14"	(350)	4 3/8"	(111.1)	2 1/2"	(63.5)	8 1/4"	(209.5)	1 1/8"	(28.6)	14 1/4"	(361.9)	1150	(521.6)
B3114R-16	16"	(400)	4 5/8"	(117.5)	2 1/2"	(63.5)	9 1/4"	(234.9)	1 1/4"	(31.7)	16 1/4"	(412.7)	1200	(544.3)
B3114R-18	18"	(450)	5 1/8"	(130.2)	2 3/4"	(69.8)	10 3/8"	(263.5)	1 1/4"	(31.7)	18 1/4"	(463.5)	1550	(703.1)
B3114R-20	20"	(500)	5 5/8"	(142.9)	3"	(76.2)	11 1/2"	(292.1)	1 3/8"	(34.9)	20 1/4"	(514.3)	2080	(943.5)
B3114R-24	24"	(600)	6 3/4"	(171.4)	3 5/8"	(92.1)	13 13/16"	(350.8)	1 1/2"	(38.1)	24 1/4"	(615.9)	3300	(1496.9)
B3114R-30	30"	(750)	8 1/2"	(215.9)	4 1/2"	(114.3)	17 1/4"	(438.1)	1 3/4"	(44.4)	30 1/4"	(768.3)	6200	(2812.3)



Material: Cast Iron

Standard Finish: Plain or Electro-Plated

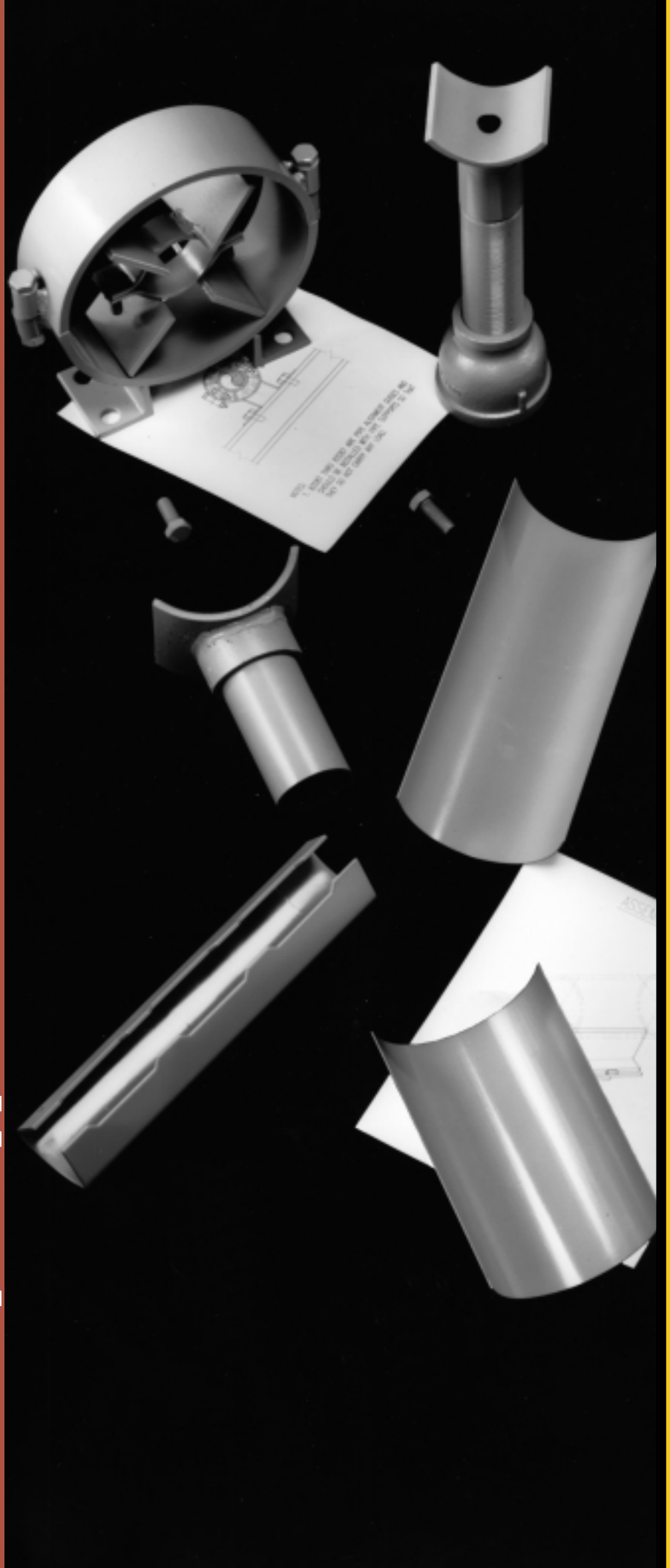
Service: Designed for supporting pipe runs with longitudinal movement. Use with steel rod axle.

Ordering: Specify part number and finish.

Figure B3117R Short Pattern Pipe Roller Only

Part No.	Nominal Pipe Size		Axle Dia. 'A'		'D'		'L'		Wt./C Lbs.	Wt./C kg
B3117R-2 to 3 1/2	2" to 3 1/2"	(50 to 90)	1/2"	(12.7)	1 7/8"	(47.6)	2 3/4"	(69.8)	70	(31.7)
B3117R-4 to 6	4" to 6"	(100 to 150)	1/2"	(12.7)	2 1/16"	(52.4)	3 3/4"	(95.2)	114	(51.7)
B3117R-8, 10	8", 10"	(200, 250)	3/4"	(19.0)	3 1/4"	(82.5)	6"	(152.4)	329	(149.2)
B3117R-12, 14	12", 14"	(300, 350)	7/8"	(22.2)	4"	(101.6)	8"	(203.2)	600	(272.1)
B3117R-16 to 20	16" to 20"	(400 to 500)	1 1/8"	(28.6)	4 1/2"	(114.3)	9"	(228.6)	781	(354.2)
B3117R-24	24"	600	1 1/4"	(31.7)	4 7/16"	(112.7)	10"	(254.0)	842	(381.9)
B3117R-30	30"	750	1 3/4"	(44.4)	5 1/2"	(139.7)	12 1/2"	(317.5)	1385	(628.2)
B3117R-36 to 42	36" to 42"	(900 to 1050)	2"	(50.8)	6"	(152.4)	14 7/8"	(377.8)	1585	(718.9)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES

Pipe supports offered in this section are designed to support pipe from a base structure where vertical adjustment may be required.
Pipe guides and slides are designed to allow longitudinal movement due to thermal expansion and contraction of pipe.
Protection shields and saddles are designed to prevent damage to pipe insulation.

Materials

Carbon Steel is used in the manufacturing of pipe supports, guides, shields and saddles. Stainless Steel and other materials are available.

Finishes

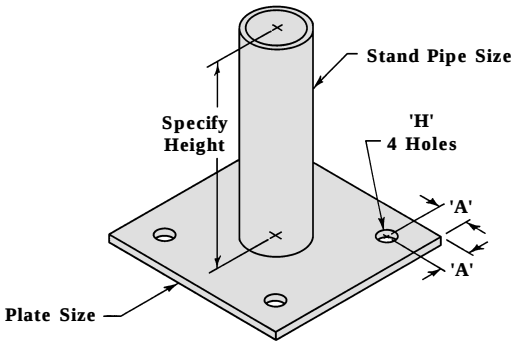
The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Dura-Green® and other special coatings are available upon request.

Note: Due to the design of some products, (threads, connecting hardware, swivels, etc.) items may or may not be uniformly coated with special finishes. In some cases, the hanger itself may be coated, however, the hardware may be supplied Electro-Plated, Copper plated, or in Stainless Steel.

Approvals (as noted)

Items in this section comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 & SP-58.

All pipe hangers and supports in this section are sized to fit schedule 40/80 pipe unless otherwise noted. Some steel items may be specially fabricated to fit other pipe diameters i.e. ductile iron, cast iron, etc. See pipe data charts on pages 185 thru 190 for proper size selection.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed as an unthreaded base stand for Pipe Supports B3090 and B3095.

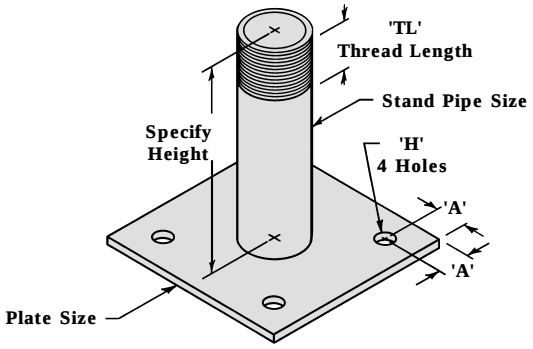
Ordering: Specify part number, height and finish.

Note: Match B3088 part number with dimension 'D' from B3090 or B3095 charts. (See pages 89 and 90).

Figure B3088 Base Stand

Part No.	Plate Size		Stand Pipe Size		'A'		Dia. 'H'		Wt./C* Lbs.	kg
B3088-3/4	1/4" x 6" x 6"	(6.3 x 152.4 x 152.4)	3/4"	(20)	1"	(25.4)	9/16"	(14.3)	420	(190.5)
B3088-1	1/4" x 6" x 6"	(6.3 x 152.4 x 152.4)	1"	(25)	1"	(25.4)	9/16"	(14.3)	480	(216.0)
B3088-1 1/4	1/4" x 6" x 6"	(6.3 x 152.4 x 152.4)	1 1/4"	(32)	1"	(25.4)	9/16"	(14.3)	590	(267.6)
B3088-1 1/2	1/4" x 6" x 6"	(6.3 x 152.4 x 152.4)	1 1/2"	(40)	1"	(25.4)	9/16"	(14.3)	655	(297.1)
B3088-2	1/4" x 6" x 6"	(9.5 x 203.2 x 203.2)	2"	(50)	1 1/4"	(31.7)	11/16"	(17.5)	1211	(549.3)
B3088-2 1/2	3/8" x 8" x 8"	(9.5 x 304.8 x 304.8)	2 1/2"	(65)	1 1/2"	(38.1)	13/16"	(20.6)	2376	(1077.7)
B3088-3	3/8" x 12" x 12"	(12.7 x 304.8 x 304.8)	3"	(80)	1 1/2"	(38.1)	15/16"	(23.8)	3137	(1422.9)
B3088-4	1/2" x 12" x 12"	(12.7 x 355.6 x 355.6)	4"	(100)	1 1/2"	(38.1)	1 1/8"	(28.6)	4338	(1967.7)
B3088-6	1/2" x 18" x 18"	(12.7 x 457.2 x 457.2)	6"	(150)	1 1/2"	(38.1)	1 1/8"	(28.6)	7378	(3346.6)

*Based on a height of 18" (457.2).



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed as a threaded base stand for Pipe Supports B3089, B3091, B3092 and B3093.

Ordering: Specify part number, height and finish.

Note: Match B3088T part number with dimension 'D' from B3089, B3091, B3092 and B3093 charts. (See pages 88, 91, 92 and 93).

Figure B3088T Threaded Base Stand

Part No.	Plate Size		Stand Pipe Size		'A'		Dia. 'H'		'TL'		Wt./C* Lbs.	kg
B3088T-1	1/4"x 6"x 6"	(6.3 x 152.4 x 152.4)	1"	(25)	1"	(25.4)	9/16"	(14.3)	1 1/2"	(38.1)	495	(224.5)
B3088T-1 1/4	1/4"x 6"x 6"	(6.3 x 152.4 x 152.4)	1 1/4"	(32)	1"	(25.4)	9/16"	(14.3)	1 1/2"	(38.1)	583	(264.4)
B3088T-1 1/2	1/4"x 6"x 6"	(6.3 x 152.4 x 152.4)	1 1/2"	(40)	1"	(25.4)	9/16"	(14.3)	1 1/2"	(38.1)	649	(294.4)
B3088T-2	1/4"x 6"x 6"	(6.3 x 152.4 x 152.4)	2"	(50)	1"	(25.4)	9/16"	(14.3)	1 1/2"	(38.1)	785	(356.1)
B3088T-2 1/2	3/8"x 8"x 8"	(9.5 x 203.2 x 203.2)	2 1/2"	(65)	1 1/4"	(31.7)	9/16"	(14.3)	1 1/2"	(38.1)	1524	(691.3)
B3088T-3	3/8"x 12"x 12"	(9.5 x 304.8 x 304.8)	3"	(80)	1 1/2"	(38.1)	13/16"	(20.6)	1 1/2"	(38.1)	2624	(1190.2)
B3088T-4	1/2"x 12"x 12"	(12.7 x 304.8 x 304.8)	4"	(100)	1 1/2"	(38.1)	15/16"	(23.8)	2"	(50.8)	3594	(1630.2)
B3088T-6	1/2"x 18"x 18"	(12.7 x 457.2 x 457.2)	6"	(150)	1 1/2"	(38.1)	1 1/8"	(28.6)	2"	(50.8)	7346	(3332.1)

*Based on a height of 18" (457.2).

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES

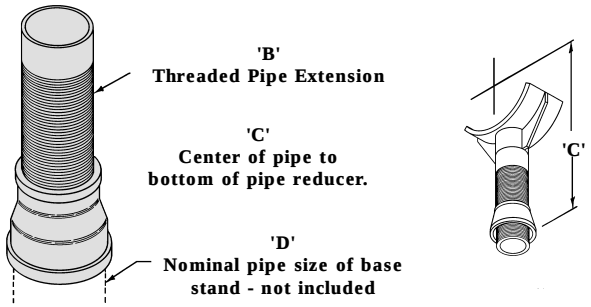


Figure B3089 Pipe Adjuster

Material: Steel Pipe/Malleable Iron Reducer

Standard Finish: Plain or Electro-Plated

Service: Designed to provide up to 4 1/2" (114.3) vertical adjustment after pipe installation. For use with B3090 or B3095 Pipe Saddle Supports and B3088T Threaded Base Stand.

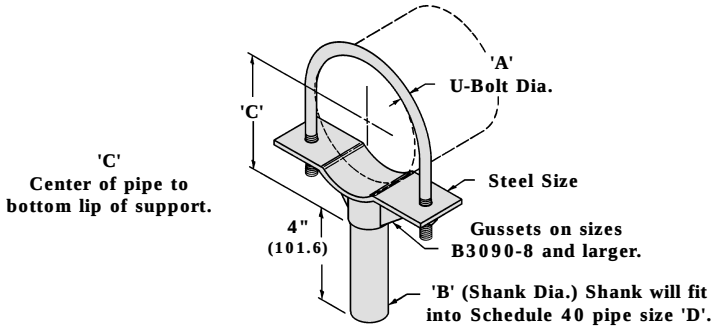
Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 39 and Manufacturers' Standardization Society SP-69 & SP-58 Type 38, when used with B3095 Pipe Saddle Support.

Part No.	To Support Nominal Pipe Size		'B'		'D' (Not Supplied)		Wt./C Lbs.	Wt./C kg
B3089-3/4	1 1/2"	(40)	3/4"	(20)	1 1/2"	(40)	140	(63.5)
	2"	(50)						
B3089-1 1/2	2 1/2"	(65)	1 1/2"	(40)	2 1/2"	(65)	400	(181.4)
	3"	(80)						
	3 1/2"	(90)						
B3089-2 1/2	4"	(100)	2 1/2"	(65)	3"	(80)	700	(317.5)
	5"	(125)						
	6"	(150)						
	8"	(200)						
	10"	(250)						
	12"	(300)						
B3089-3	14"	(350)	3"	(80)	4"	(100)	1000	(453.6)
	16"	(400)						
B3089-4	18"	(450)	4"	(100)	6"	(150)	2200	(997.9)
	20"	(500)						
	24"	(600)						
	30"	(750)						
	36"	(900)						

Part No.	To Support Nom. Pipe Size		'C' When used with B3090 Minimum		'C' When used with B3090 Maximum		'C' When used with B3095 Minimum		'C' When used with B3095 Maximum	
B3089-3/4	1 1/2"	(40)	6 1/4"	(158.8)	10 3/4"	(273.1)	6"	(152.4)	10 1/2"	(266.7)
	2"	(50)	6 7/16"	(163.5)	10 15/16"	(277.8)	6 3/16"	(157.2)	10 11/16"	(271.5)
B3089-1 1/2	2 1/2"	(65)	8 3/8"	(212.7)	12 7/8"	(327.0)	7 15/16"	(201.6)	12 7/16"	(315.9)
	3"	(80)	8 11/16"	(220.7)	13 3/16"	(335.0)	8 1/8"	(206.4)	12 5/8"	(320.7)
	3 1/2"	(90)	8 15/16"	(227.0)	13 7/16"	(341.3)	8 3/8"	(212.7)	12 7/8"	(327.0)
B3089-2 1/2	4"	(100)	9 15/16"	(252.4)	14 7/16"	(366.7)	9 7/16"	(239.7)	13 15/16"	(354.0)
	5"	(125)	10 1/4"	(260.3)	14 3/4"	(374.6)	9 3/4"	(247.6)	14 1/4"	(361.9)
	6"	(150)	11 3/16"	(284.2)	15 11/16"	(398.5)	10 7/16"	(265.1)	14 15/16"	(379.4)
	8"	(200)	12 11/16"	(322.3)	17 3/16"	(436.6)	12 3/8"	(314.3)	16 7/8"	(428.6)
	10"	(250)	13 11/16"	(347.7)	18 3/16"	(462.0)	13 7/16"	(341.3)	17 15/16"	(455.6)
	12"	(300)	14 7/8"	(377.8)	19 3/8"	(492.1)	14 7/16"	(366.7)	18 15/16"	(481.0)
B3089-3	14"	(350)	18"	(457.2)	22 1/2"	(571.5)	18 3/16"	(462.0)	22 11/16"	(576.3)
	16"	(400)	19"	(482.6)	23 1/2"	(596.9)	19 3/16"	(487.4)	23 11/16"	(601.7)
B3089-4	18"	(450)	21 9/16"	(547.7)	26 1/16"	(662.0)	21 1/2"	(546.1)	26"	(660.4)
	20"	(500)	22 9/16"	(573.1)	27 1/16"	(687.4)	22 1/2"	(571.5)	27"	(685.8)
	24"	(600)	24 9/16"	(623.9)	29 1/16"	(738.2)	25 3/4"	(654.0)	30 1/4"	(768.3)
	30"	(750)	28 11/16"	(728.7)	33 3/16"	(843.0)	28 7/8"	(733.4)	33 3/8"	(847.7)
	36"	(900)	31 11/16"	(804.9)	36 3/16"	(919.2)	31 7/8"	(809.6)	36 3/8"	(923.9)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for support of horizontal pipe from floor. U-Bolt and Hex Nuts are provided to hold pipe securely to the saddle. Use with B3088 Base Stand.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 38 and Manufacturers' Standardization Society SP-69 & SP-58 Type 37.

Figure B3090 Pipe Support with U-Bolt

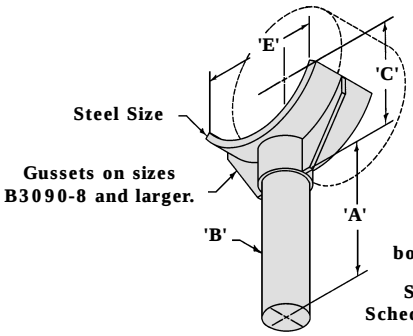
Part No.	Nominal Pipe Size		Maximum O.D. of Pipe		Steel Size		'A'	
B3090-3/4	3/4"	(19)	1 1/8"	(31.8)	1/4" x 1 1/2"	(6.3 x 38.1)	1/4"	(6.4)
B3090-1	1"	(25)	1 3/8"	(34.9)	1/4" x 1 1/2"	(6.3 x 38.1)	1/4"	(6.4)
B3090-1 1/4	1 1/4"	(32)	1 11/16"	(42.9)	1/4" x 2"	(6.3 x 50.8)	3/8"	(9.5)
B3090-1 1/2	1 1/2"	(40)	2"	(50.8)	1/4" x 2"	(6.3 x 50.8)	3/8"	(9.5)
B3090-2	2"	(50)	2 7/16"	(61.9)	1/4" x 2"	(6.3 x 50.8)	3/8"	(9.5)
B3090-2 1/2	2 1/2"	(65)	2 7/8"	(73.0)	1/4" x 3"	(6.3 x 76.2)	1/2"	(12.7)
B3090-3	3"	(80)	3 1/2"	(88.9)	1/4" x 3"	(6.3 x 76.2)	1/2"	(12.7)
B3090-3 1/2	3 1/2"	(90)	4"	(101.6)	1/4" x 3"	(6.3 x 76.2)	1/2"	(12.7)
B3090-4	4"	(100)	4 7/8"	(123.8)	3/8" x 3 1/2"	(9.5 x 88.9)	1/2"	(12.7)
B3090-5	5"	(125)	5 5/8"	(142.9)	3/8" x 3 1/2"	(9.5 x 88.9)	1/2"	(12.7)
B3090-6	6"	(150)	6 29/32"	(175.4)	1/2" x 3 1/2"	(12.7 x 88.9)	5/8"	(15.9)
B3090-8	8"	(200)	9 1/8"	(231.8)	1/2" x 3 1/2"	(12.7 x 88.9)	5/8"	(15.9)
B3090-10	10"	(250)	11 3/32"	(281.8)	1/2" x 3 1/2"	(12.7 x 88.9)	3/4"	(19.0)
B3090-12	12"	(300)	13 3/16"	(335.0)	1/2" x 3 1/2"	(12.7 x 88.9)	7/8"	(22.2)
B3090-14	14"	(350)	14"	(355.6)	5/8" x 4"	(19.0 x 101.6)	7/8"	(22.2)
B3090-16	16"	(400)	16"	(406.4)	5/8" x 4"	(19.0 x 101.6)	7/8"	(22.2)
B3090-18	18"	(450)	18"	(457.2)	3/4" x 5"	(19.0 x 127.0)	1"	(25.4)
B3090-20	20"	(500)	20"	(508.0)	3/4" x 5"	(19.0 x 127.0)	1"	(25.4)
B3090-24	24"	(600)	24"	(609.6)	1" x 5"	(25.4 x 127.0)	1"	(25.4)
B3090-30	30"	(750)	30"	(762.0)	1" x 5"	(25.4 x 127.0)	1"	(25.4)
B3090-36	36"	(900)	36"	(914.4)	1" x 5"	(25.4 x 127.0)	1"	(25.4)

Part No.	'B'		'C'		'D'		Wt./C Lbs.	Wt./C kg
B3090-3/4	3/4"	(19.1)	2"	(50.8)	3/4"	(19)	107	(48.5)
B3090-1	3/4"	(19.1)	2 5/32"	(54.8)	3/4"	(19)	117	(53.1)
B3090-1 1/4	3/4"	(19.1)	2 21/64"	(59.1)	3/4"	(19)	149	(67.6)
B3090-1 1/2	3/4"	(19.1)	2 1/2"	(63.5)	3/4"	(19)	166	(75.3)
B3090-2	3/4"	(19.1)	2 11/16"	(68.3)	3/4"	(19)	186	(84.4)
B3090-2 1/2	1 5/16"	(33.3)	3 1/8"	(79.4)	1 1/2"	(40)	251	(113.8)
B3090-3	1 5/16"	(33.3)	3 7/16"	(87.3)	1 1/2"	(40)	316	(143.3)
B3090-3 1/2	1 5/16"	(33.3)	3 11/16"	(93.7)	1 1/2"	(40)	317	(143.8)
B3090-4	2 3/8"	(60.3)	4 1/4"	(107.9)	2 1/2"	(65)	586	(265.8)
B3090-5	2 3/8"	(60.3)	4 9/16"	(115.9)	2 1/2"	(65)	621	(281.7)
B3090-6	2 3/8"	(60.3)	5 1/2"	(139.7)	2 1/2"	(65)	895	(406.0)
B3090-8	2 3/8"	(60.3)	7"	(177.8)	2 1/2"	(65)	1115	(505.7)
B3090-10	2 3/8"	(60.3)	8"	(203.2)	2 1/2"	(65)	1423	(645.5)
B3090-12	2 3/8"	(60.3)	9 3/16"	(233.4)	2 1/2"	(65)	1846	(837.3)
B3090-14	2 7/8"	(73.0)	10 9/16"	(268.3)	3"	(80)	2593	(1176.2)
B3090-16	2 7/8"	(73.0)	11 9/16"	(293.7)	3"	(80)	2825	(1281.4)
B3090-18	3 1/2"	(88.9)	13 9/16"	(344.5)	4"	(100)	4843	(2196.8
B3090-20	3 1/2"	(88.9)	14 9/16"	(369.9)	4"	(100)	5225	(2370.0)
B3090-24	3 1/2"	(88.9)	16 9/16"	(420.7)	4"	(100)	6970	(3161.6)
B3090-30	3 1/2"	(88.9)	20 11/16"	(525.5)	4"	(100)	8587	(3895.0)
B3090-36	3 1/2"	(88.9)	23 11/16"	(601.7)	4"	(100)	9977	(4525.5)

Note:
4" (100) thru 12" (300) fits both steel and ductile iron pipe. For other ductile iron pipe sizes specify B3090 DI - size.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES



'A'
Shank Length

'B'
Shank Dia.

'C'
Center of pipe to bottom lip of support.

Shank will fit into Schedule 40 pipe size 'D'.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for support of horizontal pipe from floor. Use with B3088 Base Stand.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 37 and Manufacturers' Standardization Society SP-69 & SP-58 Type 36.

Figure B3095 Pipe Saddle Support

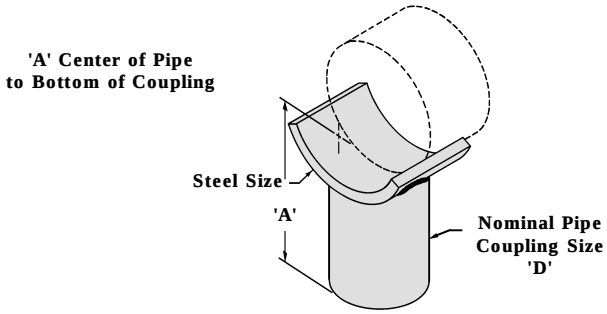
Part No.	Nominal Pipe Size		Maximum O.D. of Pipe		Steel Size		'A'	
B3095-1 1/2	1 1/2"	(40)	1 29/32"	(48.4)	1/4" x 1 3/4"	(6.3 x 44.4)	3"	(76.2)
B3095-2	2"	(50)	2 3/8"	(60.3)	1/4" x 1 3/4"	(6.3 x 44.4)	3"	(76.2)
B3095-2 1/2	2 1/2"	(65)	2 7/8"	(73.0)	1/4" x 3"	(6.3 x 76.2)	4"	(101.6)
B3095-3	3"	(80)	3 1/2"	(88.9)	1/4" x 3"	(6.3 x 76.2)	4"	(101.6)
B3095-3 1/2	3 1/2"	(90)	4"	(101.6)	1/4" x 3"	(6.3 x 76.2)	4"	(101.6)
B3095-4	4"	(100)	4 7/8"	(123.8)	1/4" x 4"	(6.3 x 101.6)	4"	(101.6)
B3095-5	5"	(125)	5 9/16"	(141.3)	1/4" x 4"	(6.3 x 101.6)	4"	(101.6)
B3095-6	6"	(150)	7"	(177.8)	3/8" x 4"	(9.5 x 101.6)	4"	(101.6)
B3095-8	8"	(200)	9 1/8"	(231.8)	3/8" x 4"	(9.5 x 101.6)	4"	(101.6)
B3095-10	10"	(250)	11 1/8"	(282.6)	3/8" x 4"	(9.5 x 101.6)	4"	(101.6)
B3095-12	12"	(300)	13 1/2"	(342.9)	3/8" x 4"	(9.5 x 101.6)	4"	(101.6)
B3095-14	14"	(350)	14"	(355.6)	3/8" x 5"	(9.5 x 127.0)	4"	(101.6)
B3095-16	16"	(400)	16"	(406.4)	3/8" x 5"	(9.5 x 127.0)	4"	(101.6)
B3095-18	18"	(450)	18"	(457.2)	1/2" x 5"	(12.7 x 127.0)	4"	(101.6)
B3095-20	20"	(500)	20"	(508.0)	1/2" x 5"	(12.7 x 127.0)	4"	(101.6)
B3095-24	24"	(600)	24"	(609.6)	1/2" x 6"	(12.7 x 152.4)	4"	(101.6)
B3095-30	30"	(750)	30"	(762.0)	1" x 6"	(25.4 x 152.4)	4"	(101.6)
B3095-36	36"	(900)	36"	(914.4)	1" x 6"	(25.4 x 152.4)	4"	(101.6)

Note:
4" (100) thru 12" (300) fits both steel and ductile iron pipe. For other ductile iron pipe sizes specify B3090 DI - size.

Part No.	'B'		'C'		'D'		'E'		Wt./C Lbs.	kg
B3095-1 1/2	27/32"	(21.4)	2 1/4"	(57.1)	3/4"	(20)	1 21/32"	(42.0)	88	(39.9)
B3095-2	27/32"	(21.4)	2 7/16"	(61.9)	3/4"	(20)	2 1/16"	(52.4)	94	(42.6)
B3095-2 1/2	1 5/16"	(33.3)	2 11/16"	(68.3)	1 1/2"	(40)	2 1/2"	(63.5)	167	(75.7)
B3095-3	1 5/16"	(33.3)	2 7/8"	(73.0)	1 1/2"	(40)	3 1/32"	(77.0)	176	(79.8)
B3095-3 1/2	1 5/16"	(33.3)	3 1/8"	(79.4)	1 1/2"	(40)	3 7/16"	(87.3)	188	(85.3)
B3095-4	2 3/8"	(60.3)	3 3/4"	(95.2)	2 1/2"	(65)	4 1/4"	(107.9)	364	(165.1)
B3095-5	2 3/8"	(60.3)	4 1/16"	(103.2)	2 1/2"	(65)	4 13/16"	(122.2)	381	(172.8)
B3095-6	2 3/8"	(60.3)	4 3/4"	(120.6)	2 1/2"	(65)	6 1/16"	(154.0)	534	(242.2)
B3095-8	2 3/8"	(60.3)	6 11/16"	(169.9)	2 1/2"	(65)	7 15/16"	(201.6)	796	(361.0)
B3095-10	2 3/8"	(60.3)	7 3/4"	(196.8)	2 1/2"	(65)	9 5/8"	(244.5)	914	(414.6)
B3095-12	2 3/8"	(60.3)	8 3/4"	(222.2)	2 1/2"	(65)	11 11/16"	(296.9)	1068	(484.4)
B3095-14	2 7/8"	(73.0)	10 3/4"	(273.0)	3"	(80)	12 1/8"	(308.0)	1654	(750.2)
B3095-16	2 7/8"	(73.0)	11 3/4"	(298.4)	3"	(80)	13 7/8"	(352.4)	1817	(824.2)
B3095-18	3 1/2"	(88.9)	13 1/2"	(342.9)	4"	(100)	15 19/32"	(396.1)	2798	(1269.2)
B3095-20	3 1/2"	(88.9)	14 1/2"	(368.3)	4"	(100)	17 5/16"	(439.7)	3018	(1368.9)
B3095-24	3 1/2"	(88.9)	17 3/4"	(450.8)	4"	(100)	20 25/32"	(527.8)	4146	(1880.6)
B3095-30	3 1/2"	(88.9)	20 7/8"	(530.2)	4"	(100)	26"	(660.4)	7624	(3458.2)
B3095-36	3 1/2"	(88.9)	23 7/8"	(606.4)	4"	(100)	31 3/16"	(792.2)	8877	(4026.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES



Material: Steel

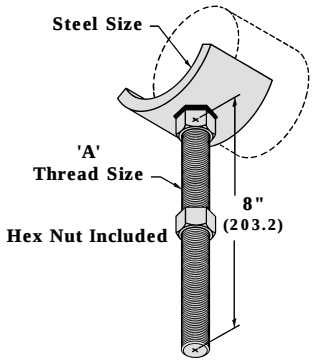
Standard Finish: Plain or Electro-Plated

Service: Designed for support of horizontal pipe from floor. Use with B3088T Threaded Base Stand.

Ordering: Specify part number and finish.

Figure B3091 Pipe Saddle Support

Part No.	Nominal Pipe Size		Maximum O.D. of Pipe		'A'		Steel Size		Nominal Pipe Coupling 'D'		Wt./C Lbs.	kg
B3091-1 1/2	1 1/2"	(40)	1 29/32"	(48.4)	3 1/4"	(82.5)	1/4" x 2"	(6.3 x 50.8)	1 1/4"	(32)	84	(38.1)
B3091-2	2"	(50)	2 3/8"	(60.3)	3 3/8"	(85.7)	3/8" x 2"	(9.5 x 50.8)	1 1/4"	(32)	112	(50.8)
B3091-2 1/2	2 1/2"	(65)	2 7/8"	(73.0)	3 7/8"	(98.4)	3/8" x 2 1/2"	(9.5 x 63.5)	1 1/2"	(40)	162	(73.5)
B3091-3	3"	(80)	3 1/2"	(88.9)	4 3/16"	(106.3)	3/8" x 2 1/2"	(9.5 x 63.5)	1 1/2"	(40)	179	(81.2)
B3091-3 1/2	3 1/2"	(90)	4"	(101.6)	4 7/16"	(112.7)	3/8" x 2 1/2"	(9.5 x 63.5)	1 1/2"	(40)	193	(87.5)
B3091-4	4"	(100)	4 1/2"	(114.3)	4 3/4"	(120.6)	3/8" x 3"	(9.5 x 76.2)	2"	(50)	273	(123.8)
B3091-5	5"	(125)	5 9/16"	(141.3)	5 9/32"	(134.1)	3/8" x 3"	(9.5 x 76.2)	2"	(50)	309	(140.1)
B3091-6	6"	(150)	6 5/8"	(168.3)	6 15/16"	(176.2)	1/2" x 3 1/2"	(12.7 x 88.9)	2 1/2"	(65)	586	(265.8)
B3091-8	8"	(200)	8 5/8"	(219.1)	7 15/16"	(201.6)	1/2" x 3 1/2"	(12.7 x 88.9)	2 1/2"	(65)	688	(312.1)
B3091-10	10"	(250)	10 3/4"	(273.0)	9 1/8"	(231.8)	1/2" x 4"	(12.7 x 101.6)	3"	(80)	1011	(458.6)
B3091-12	12"	(300)	12 3/4"	(323.8)	10 1/8"	(257.2)	1/2" x 4"	(12.7 x 101.6)	3"	(80)	1128	(511.6)



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for support of horizontal pipe from floor stanchions where vertical adjustment is required.

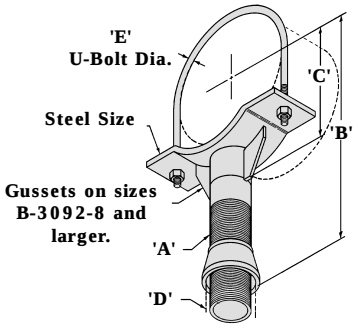
Ordering: Specify part number and finish.

Figure B3096 Adjustable Pipe Saddle Support

Part No.	Nominal Pipe Size		Maximum O.D. of Pipe		Thread Size 'A'	Steel Size		Wt./C Lbs.	kg
B3096-2	2"	(50)	2 3/8"	(60.3)	7/8"-9	3/8" x 2"	(9.5 x 50.8)	212	(96.1)
B3096-3	3"	(80)	3 1/2"	(88.9)	7/8"-9	3/8" x 2 1/2"	(9.5 x 63.5)	259	(117.5)
B3096-4	4"	(100)	4 1/2"	(114.3)	1"-8	3/8" x 3"	(9.5 x 76.2)	370	(167.8)
B3096-5	5"	(125)	5 9/16"	(141.3)	1"-8	3/8" x 3"	(9.5 x 76.2)	404	(183.2)
B3096-6	6"	(150)	6 5/8"	(168.3)	1 1/4"-7	1/2" x 3 1/2"	(12.7 x 88.9)	714	(323.9)
B3096-8	8"	(200)	8 5/8"	(219.1)	1 1/4"-7	1/2" x 3 1/2"	(12.7 x 88.9)	819	(371.5)
B3096-10	10"	(250)	10 3/4"	(273.0)	1 1/2"-6	1/2" x 4"	(12.7 x 101.6)	1194	(541.6)
B3096-12	12"	(300)	12 3/4"	(323.8)	1 1/2"-6	1/2" x 4"	(12.7 x 101.6)	1315	(596.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES



'A'
Schedule 40 Pipe Size

'B'
Center of pipe to bottom of pipe reducer.

'C'
Center of pipe to bottom lip of support.

'D'
Nominal pipe size of base stand - not included.

'E'
U-Bolt Dia.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for support of horizontal pipe from floor where vertical adjustment is required. U-Bolt and Hex Nuts are provided to hold pipe securely to the saddle. Use with B3088T Threaded Base Stand.

Ordering: Specify part number and finish.

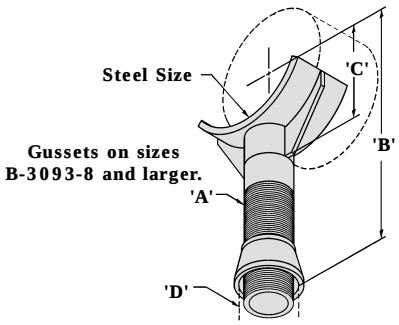
Note: 4" (100) thru 12" (300) fits both steel and ductile iron pipe. For other ductile iron pipe sizes specify B3092 DI - size.

Figure B3092 Adjustable Pipe Saddle Support with Yoke

Part No.	Nominal Pipe Size		Maximum O.D. Pipe		'A'		'B' Minimum		'B' Maximum	
B3092-3/4	3/4"	(19)	1 1/8"	(28.6)	3/4"	(19)	5 3/4"	(146.1)	10 1/4"	(260.4)
B3092-1	1"	(25)	1 3/8"	(34.9)	3/4"	(19)	6 13/32"	(162.7)	10 29/32"	(277.0)
B3092-1 1/4	1 1/4"	(32)	1 11/16"	(42.9)	3/4"	(19)	6 37/64"	(167.1)	11 5/64"	(281.4)
B3092-1 1/2	1 1/2"	(38)	2"	(50.8)	3/4"	(19)	7"	(177.8)	11 1/2"	(292.1)
B3092-2	2"	(50)	2 7/16"	(61.9)	3/4"	(19)	6 15/16"	(176.2)	11 7/16"	(290.5)
B3092-2 1/2	2 1/2"	(65)	2 7/8"	(73.0)	1 1/2"	(40)	8 3/8"	(212.7)	12 7/8"	(327.0)
B3092-3	3"	(80)	3 1/2"	(88.9)	1 1/2"	(40)	8 11/16"	(220.7)	13 3/16"	(335.0)
B3092-3 1/2	3 1/2"	(90)	4"	(101.6)	1 1/2"	(40)	8 15/16"	(227.0)	13 7/16"	(341.3)
B3092-4	4"	(100)	4 7/8"	(123.8)	2 1/2"	(65)	9 15/16"	(252.4)	14 7/16"	(366.7)
B3092-5	5"	(125)	5 5/8"	(142.9)	2 1/2"	(65)	10 1/4"	(260.3	14 3/4"	(374.6)
B3092-6	6"	(150)	6 29/32"	(175.4)	2 1/2"	(65)	11 3/16"	(284.2)	15 11/16"	(398.5)
B3092-8	8"	(200)	9 1/8"	(231.8)	2 1/2"	(65)	12 11/16"	(322.3)	17 3/16"	(436.6)
B3092-10	10"	(250)	11 3/32"	(281.8)	2 1/2"	(65)	13 11/16"	(347.7)	18 3/16"	(462.0)
B3092-12	12"	(300)	13 3/16"	(334.9)	2 1/2"	(65)	14 7/8"	(377.8)	19 3/8"	(492.1)
B3092-14	14"	(350)	14"	(355.6)	3"	(80)	18"	(457.2)	22 1/2"	(571.5)
B3092-16	16"	(400)	16"	(406.4)	3"	(80)	19"	(482.6)	23 1/2"	(596.9)
B3092-18	18"	(450)	18"	(457.2)	4"	(100)	21 9/16"	(547.7)	26 1/16"	(662.0)
B3092-20	20"	(500)	20"	(508.0)	4"	(100)	22 9/16"	(573.1)	27 1/16"	(687.4)
B3092-24	24"	(600)	24"	(609.6)	4"	(100)	24 9/16"	(623.9)	29 1/16"	(738.2)
B3092-30	30"	(750)	30"	(762.0)	4"	(100)	28 11/16"	(728.7)	33 3/16"	(843.0)
B3092-36	36"	(900)	36"	(914.4)	4"	(100)	31 11/16"	(804.9)	36 3/16"	(919.2)

Part No.	'C'		'D' (Base Stand Not Supplied)		'E'		Saddle Steel Size		Wt./C Lbs.	kg
B3092-3/4	2"	(50.8)	1 1/2"	(38)	1/4"	(6.4)	1/4" x 1 1/2"	(6.3 x 38.1)	247	(112.0)
B3092-1	2 5/32"	(54.8)	1 1/2"	(38)	1/4"	(6.4)	1/4" x 1 1/2"	(6.3 x 38.1)	257	(116.6)
B3092-1 1/4	2 21/64"	(59.1)	1 1/2"	(38)	3/8"	(9.5)	1/4" x 2"	(6.3 x 50.8)	289	(131.1)
B3092-1 1/2	2 1/2"	(63.5)	1 1/2"	(38)	3/8"	(9.5)	1/4" x 2"	(6.3 x 50.8)	306	(138.8)
B3092-2	2 11/16"	(68.3)	1 1/2"	(38)	3/8"	(9.5)	1/4" x 2"	(6.3 x 50.8)	326	(147.9)
B3092-2 1/2	3 1/8"	(79.4)	2 1/2"	(65)	1/2"	(12.7)	1/4" x 3"	(6.3 x 76.2)	651	(295.3)
B3092-3	3 7/16"	(87.3)	2 1/2"	(65)	1/2"	(12.7)	1/4" x 3"	(6.3 x 76.2)	716	(324.8)
B3092-3 1/2	3 11/16"	(93.7)	2 1/2"	(65)	1/2"	(12.7)	1/4" x 3"	(6.3 x 76.2)	717	(325.2)
B3092-4	4 1/4"	(107.9)	3"	(80)	1/2"	(12.7)	3/8" x 3 1/2"	(9.5 x 88.9)	1286	(583.3)
B3092-5	4 9/16"	(115.9)	3"	(80)	1/2"	(12.7)	3/8" x 3 1/2"	(9.5 x 88.9)	1321	(599.2)
B3092-6	5 1/2"	(139.7)	3"	(80)	5/8"	(15.9)	1/2" x 3 1/2"	(12.7 x 88.9)	1595	(723.5)
B3092-8	7"	(177.8)	3"	(80)	5/8"	(15.9)	1/2" x 3 1/2"	(12.7 x 88.9)	1815	(823.3)
B3092-10	8"	(203.2)	3"	(80)	3/4"	(19.0)	1/2" x 3 1/2"	(12.7 x 88.9)	2123	(963.0)
B3092-12	9 3/16"	(233.4)	3"	(80)	7/8"	(22.2)	1/2" x 3 1/2"	(12.7 x 88.9)	2546	(1154.8)
B3092-14	10 9/16"	(268.3)	4"	(100)	7/8"	(22.2)	5/8" x 4"	(15.9 x 101.6)	3593	(1629.8)
B3092-16	11 9/16"	(293.7)	4"	(100)	7/8"	(22.2)	5/8" x 4"	(15.9 x 101.6)	3825	(1735.0)
B3092-18	13 9/16"	(344.5)	6"	(150)	1"	(25.4)	3/4" x 5"	(19.0 x 127.0)	7043	(3194.7)
B3092-20	14 9/16"	(369.9)	6"	(150)	1"	(25.4)	3/4" x 5"	(19.0 x 127.0)	7425	(3368.0)
B3092-24	16 9/16"	(420.7)	6"	(150)	1"	(25.4)	1" x 5"	(25.4 x 127.0)	9170	(4159.5)
B3092-30	20 11/16"	(525.5)	6"	(150)	1"	(25.4)	1" x 5"	(25.4 x 127.0)	10787	(4893.0)
B3092-36	23 11/16"	(601.7)	6"	(150)	1"	(25.4)	1" x 5"	(25.4 x 127.0)	12177	(5523.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



'A'
Schedule 40 Pipe Size

'B'
Center of pipe to bottom of pipe reducer.

'C'
Center of pipe to bottom lip of support.

'D'
Nominal pipe size of base stand - not included.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for support of horizontal pipe from floor stanchions where vertical adjustment is required. Use with B3088T Threaded Base Stand.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 39 and Manufacturers' Standardization Society SP-69 & SP-58 Type 38.

Figure B3093 Adjustable Pipe Saddle Support

Part No.	Nominal Pipe Size		Maximum O.D. Pipe		'A'		'B' Minimum		'B' Maximum		'C'	
B3093-2 1/2	2 1/2"	(65)	2 7/8"	(73.0)	1 1/2"	(40)	7 15/16"	(201.6)	12 7/16"	(315.9)	2 11/16"	(68.3)
B3093-3	3"	(80)	3 1/2"	(88.9)	1 1/2"	(40)	8 1/8"	(206.4)	12 5/8"	(320.7)	2 7/8"	(73.0)
B3093-3 1/2	3 1/2"	(90)	4"	(101.6)	1 1/2"	(40)	8 3/8"	(212.7)	12 7/8"	(327.0)	3 1/8"	(79.4)
B3093-4	4"	(100)	4 7/8"	(123.8)	2 1/2"	(65)	9 7/16"	(239.7)	13 15/16"	(354.0)	3 3/4"	(95.2)
B3093-5	5"	(125)	5 9/16"	(141.3)	2 1/2"	(65)	9 3/4"	(247.6)	14 1/4"	(361.9)	4 1/16"	(103.2)
B3093-6	6"	(150)	7"	(177.8)	2 1/2"	(65)	10 7/16"	(265.1)	14 15/16"	(379.4)	4 3/4"	(120.6)
B3093-8	8"	(200)	9 1/8"	(231.8)	2 1/2"	(65)	12 3/8"	(314.3)	16 7/8"	(428.6)	6 11/16"	(169.9)
B3093-10	10"	(250)	11 1/8"	(282.6)	2 1/2"	(65)	13 7/16"	(341.3)	17 15/16"	(455.6)	7 3/4"	(196.8)
B3093-12	12"	(300)	13 1/2"	(342.9)	2 1/2"	(65)	14 7/16"	(366.7)	18 15/16"	(481.0)	8 3/4"	(222.2)
B3093-14	14"	(350)	14"	(355.6)	3"	(80)	18 3/16"	(462.0)	22 11/16"	(576.3)	10 3/4"	(273.0)
B3093-16	16"	(400)	16"	(406.4)	3"	(80)	19 3/16"	(487.4)	23 11/16"	(601.7)	11 3/4"	(298.4)
B3093-18	18"	(450)	18"	(457.2)	4"	(100)	21 1/2"	(546.1)	26"	(660.4)	13 1/2"	(342.9)
B3093-20	20"	(500)	20"	(508.0)	4"	(100)	22 1/2"	(571.5)	27"	(685.8)	14 1/2"	(368.3)
B3093-24	24"	(600)	24"	(609.6)	4"	(100)	25 3/4"	(654.0)	30 1/4"	(768.3)	17 3/4"	(450.8)
B3093-30	30"	(750)	30"	(762.0)	4"	(100)	28 7/8"	(733.4)	33 7/8"	(860.4)	20 7/8"	(530.2)
B3093-36	36"	(900)	36"	(914.4)	4"	(100)	31 7/8"	(809.6)	36 3/8"	(923.9)	23 7/8"	(606.4)

Part No.	'D' (Base Stand Not Supplied)		Saddle Steel Size		Wt./C Complete Lbs.	kg	Saddle Only Lbs.	kg
B3093-2 1/2	2 1/2"	(65)	1/4" x 3"	(6.3 x 76.2)	567	(257.2)	167	(75.8)
B3093-3	2 1/2"	(65)	1/4" x 3"	(6.3 x 76.2)	576	(261.3)	176	(79.9)
B3093-3 1/2	2 1/2"	(65)	1/4" x 3"	(6.3 x 76.2)	588	(266.7)	188	(85.3)
B3093-4	3"	(80)	1/4" x 4"	(6.3 x 101.6)	1064	(482.6)	364	(165.1)
B3093-5	3"	(80)	1/4" x 4"	(6.3 x 101.6)	1081	(490.3)	381	(172.8)
B3093-6	3"	(80)	3/8" x 4"	(6.3 x 101.6)	1234	(559.7)	534	(242.2)
B3093-8	3"	(80)	3/8" x 4"	(6.3 x 101.6)	1496	(678.6)	796	(361.1)
B3093-10	3"	(80)	3/8" x 4"	(6.3 x 101.6)	1614	(732.1)	914	(414.6)
B3093-12	3"	(80)	3/8" x 4"	(6.3 x 101.6)	1768	(801.9)	1068	(484.4)
B3093-14	4"	(100)	3/8" x 5"	(9.5 x 127.0)	2654	(1203.8)	1654	(750.2)
B3093-16	4"	(100)	3/8" x 5"	(9.5 x 127.0)	2817	(1277.8)	1817	(824.2)
B3093-18	6"	(150)	1/2" x 5"	(12.7 x 127.0)	4998	(2267.1)	2798	(1269.1)
B3093-20	6"	(150)	1/2" x 5"	(12.7 x 127.0)	5218	(2366.8)	3018	(1368.9)
B3093-24	6"	(150)	1/2" x 6"	(12.7 x 152.4)	6346	(2878.5)	4146	(1880.6)
B3093-30	6"	(150)	1" x 6"	(25.4 x 152.4)	9824	(4456.1)	7624	(3458.2)
B3093-36	6"	(150)	1" x 6"	(25.4 x 152.4)	11077	(5024.4)	8877	(4026.5)

Note:
4" (100) thru 12" (300) fits both steel and ductile iron pipe. For other ductile iron pipe sizes specify B3090 DI - size.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

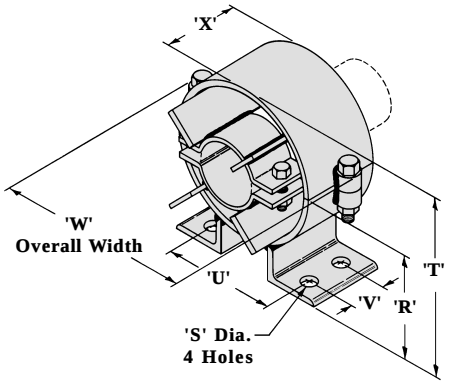
Figure B3281 thru B3287 Pipe Alignment Guide

Nominal Pipe Size		Insulation Thickness 1" (25.4) Part No.	Body Size	1 1/2" (38.1) Part No.	Body Size	2" (50.8) Part No.	Body Size	2 1/2" (63.5) Part No.	Body Size
1/2"	(15)	B3281-1/2	001	B3282-1/2	001	B3283-1/2	002	B3284-1/2	003
3/4"	(20)	B3281-3/4	001	B3282-3/4	002	B3283-3/4	003	B3284-3/4	004
1"	(25)	B3281-1	001	B3282-1	002	B3283-1	003	B3284-1	004
1 1/4"	(32)	B3281-1 1/4	001	B3282-1 1/4	002	B3283-1 1/4	003	B3284-1 1/4	004
1 1/2"	(40)	B3281-1 1/2	002	B3282-1 1/2	002	B3283-1 1/2	003	B3284-1 1/2	004
2"	(50)	B3281-2	002	B3282-2	003	B3283-2	004	B3284-2	004
2 1/2"	(65)	B3281-2 1/2	003	B3282-2 1/2	003	B3283-2 1/2	004	B3284-2 1/2	004
3"	(80)	B3281-3	003	B3282-3	004	B3283-3	004	B3284-3	005
4"	(100)	B3281-4	004	B3282-4	004	B3283-4	005	B3284-4	005
5"	(125)	B3281-5	005	B3282-5	005	B3283-5	005	B3284-5	006
6"	(150)	B3281-6	005	B3282-6	005	B3283-6	006	B3284-6	006
8"	(200)	B3281-8	006	B3282-8	006	B3283-8	007	B3284-8	008
10"	(250)	B3281-10	008	B3282-10	008	B3283-10	008	B3284-10	009
12"	(300)	B3281-12	009	B3282-12	009	B3283-12	009	B3284-12	010
14"	(350)	B3281-14	010	B3282-14	010	B3283-14	010	B3284-14	010
16"	(400)	B3281-16	011	B3282-16	011	B3283-16	011	B3284-16	011
18"	(450)	B3281-18	012	B3282-18	012	B3283-18	012	B3284-18	012
20"	(500)	B3281-20	013	B3282-20	013	B3283-20	013	B3284-20	013
24"	(600)	B3281-24	014	B3282-24	014	B3283-24	014	B3284-24	014

Nominal Pipe Size		Insulation Thickness 3" (76.2) Part No.	Body Size	3 1/2" (88.9) Part No.	Body Size	4" (101.6) Part No.	Body Size
1/2"	(15)	B3285-1/2	004	B3286-1/2	004	B3287-1/2	005
3/4"	(20)	B3285-3/4	004	B3286-3/4	005	B3287-3/4	005
1"	(25)	B3285-1	004	B3286-1	005	B3287-1	005
1 1/4"	(32)	B3285-1 1/4	004	B3286-1 1/4	005	B3287-1 1/4	005
1 1/2"	(40)	B3285-1 1/2	004	B3286-1 1/2	005	B3287-1 1/2	005
2"	(50)	B3285-2	005	B3286-2	005	B3287-2	006
2 1/2"	(65)	B3285-2 1/2	005	B3286-2 1/2	005	B3287-2 1/2	006
3"	(80)	B3285-3	005	B3286-3	006	B3287-3	006
4"	(100)	B3285-4	006	B3286-4	006	B3287-4	007
5"	(125)	B3285-5	006	B3286-5	007	B3287-5	008
6"	(150)	B3285-6	007	B3286-6	008	B3287-6	008
8"	(200)	B3285-8	008	B3286-8	009	B3287-8	009
10"	(250)	B3285-10	009	B3286-10	010	B3287-10	010
12"	(300)	B3285-12	010	B3286-12	011	B3287-12	011
14"	(350)	B3285-14	011	B3286-14	011	B3287-14	012
16"	(400)	B3285-16	012	B3286-16	012	B3287-16	013
18"	(450)	B3285-18	013	B3286-18	013	B3287-18	014
20"	(500)	B3285-20	014	B3286-20	014	B3287-20	014
24"	(600)	-	-	-	-	-	-

Installation: Attach outer housing of the first pipe guide to the structure a maximum of four pipe diameters from an expansion joint. The second pipe guide should be located a maximum of 14 pipe diameters from the first pipe guide. The spider pipe clamp should be offset at a minimum of half the distance in the opposite direction of the axial expansion. See chart for Maximum Allowable Movement.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Painted

Service: Designed for use in directing thermal expansion of insulated or non-insulated pipe in the direction permitted by expansion joints or loops. The use of two or more guides on both sides of an expansion joint or loop is recommended. Pipe lines should be supported with hangers or rollers so that when properly installed, the guides will not be supporting any pipe loads. Maximum operating temperature should not exceed 750°F (399°C).

Ordering: Specify part number and finish. For use with copper tubing, add CT suffix to the part number.

Note: CT sizes have lead shims between the steel clamp and the copper tubing.

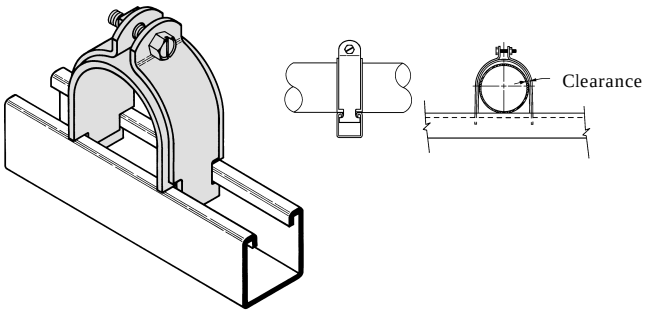
Figure B3281 thru B3287 Pipe Alignment Guide (Continued)

Body Size	'R'		'S'		'T'		'U'		'V'	
001	3 1/2"	(88.9)	5/8"	(15.9)	5 3/4"	(146.0)	4 1/4"	(107.9)	1 3/4"	(44.4)
002	4"	(101.6)	5/8"	(15.9)	6 3/4"	(171.4)	4 1/2"	(114.3)	1 3/4"	(44.4)
003	4 3/8"	(111.1)	5/8"	(15.9)	7 5/8"	(193.7)	5 1/4"	(133.3)	1 3/4"	(44.4)
004	5 1/4"	(133.3)	5/8"	(15.9)	9 1/2"	(241.3)	6 1/4"	(158.7)	1 3/4"	(44.4)
005	6 1/4"	(158.7)	5/8"	(15.9)	11 5/8"	(295.3)	7 1/4"	(184.1)	2 3/4"	(69.8)
006	7 1/4"	(184.1)	5/8"	(15.9)	13 5/8"	(346.1)	8 1/4"	(209.5)	2 3/4"	(69.8)
007	8"	(203.2)	3/4"	(19.0)	15"	(381.0)	10"	(254.0)	4"	(101.6)
008	9"	(228.6)	3/4"	(19.0)	17"	(431.8)	11"	(279.4)	4"	(101.6)
009	9 3/4"	(247.6)	3/4"	(19.0)	18 3/4"	(476.2)	12"	(304.8)	4"	(101.6)
010	11 1/8"	(282.6)	3/4"	(19.0)	21 1/8"	(536.6)	13 1/2"	(342.9)	4"	(101.6)
011	12 1/8"	(308.0)	7/8"	(22.2)	23 1/8"	(587.4)	14 1/2"	(368.3)	6"	(152.4)
012	13"	(330.2)	7/8"	(22.2)	25"	(635.0)	15 1/2"	(393.7)	6"	(152.4)
013	14 3/4"	(374.6)	1 1/8"	(28.6)	27 3/4"	(704.8)	17 1/2"	(444.5)	6"	(152.4)
014	16 1/2"	(419.1)	1 1/8"	(28.6)	31 1/2"	(800.1)	19 1/2"	(495.3)	6"	(152.4)

Body Size	'W'		'X'		Maximum Allowable Movement		Wt./C Lbs.	kg
001	5 7/8"	(149.2)	3"	(76.2)	4"	(101.6)	500	(226.8)
002	7"	(177.8)	3"	(76.2)	4"	(101.6)	600	(272.1)
003	8"	(203.2)	3"	(76.2)	4"	(101.6)	900	(408.2)
004	10 3/8"	(263.5)	3"	(76.2)	4"	(101.6)	1000	(453.6)
005	12 1/2"	(317.5)	4"	(101.6)	6"	(152.4)	1800	(816.5)
006	14 1/2"	(368.3)	4"	(101.6)	6"	(152.4)	2500	(1134.0)
007	15 3/4"	(400.0)	6"	(152.4)	8"	(203.2)	3700	(1678.3)
008	17 3/4"	(450.8)	6"	(152.4)	8"	(203.2)	4000	(1814.4)
009	20 1/8"	(511.2)	6"	(152.4)	8"	(203.2)	5200	(2358.7)
010	22 1/8"	(562.0)	6"	(152.4)	8"	(203.2)	5400	(2449.4)
011	24 1/8"	(612.8)	8"	(203.2)	8"	(203.2)	7500	(3402.0)
012	26 5/8"	(676.3)	8"	(203.2)	8"	(203.2)	12500	(5670.0)
013	28 5/8"	(727.1)	8"	(203.2)	12"	(304.8)	15500	(7030.8)
014	32 5/8"	(828.7)	8"	(203.2)	12"	(304.8)	17500	(7938.0)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES



Material: Steel

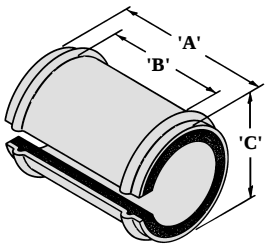
Standard Finish: Electro-Plated

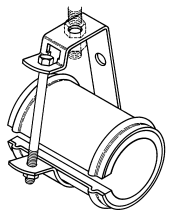
Service: Designed as a guide to permit longitudinal movement of pipe.

Ordering: Specify part number and finish. (Includes guide and pipe clamp).

Figure B2417 Strut Mounted Pipe Guide

Part No.	Pipe Size		Minimum Radial Clearance		Includes Clamp No.	Wt./C Lbs.	kg
B2417-1/2	1/2"	(15)	1/16"	(1.6)	B2009	22	(10.0)
B2417-3/4	3/4"	(20)	1/16"	(1.6)	B2010	25	(11.3)
B2417-1	1"	(25)	3/32"	(2.3)	B2034	30	(13.6)
B2417-1 1/4	1 1/4"	(32)	3/32"	(2.3)	B2037	47	(21.8)
B2417-1 1/2	1 1/2"	(40)	3/32"	(2.3)	B2039	51	(23.1)
B2417-2	2"	(50)	1/8"	(3.2)	B2043	62	(28.1)
B2417-2 1/2	2 1/2"	(65)	1/8"	(3.2)	B2047	69	(31.3)
B2417-3	3"	(80)	5/32"	(3.9)	B2016	108	(49.0)
B2417-3 1/2	3 1/2"	(90)	5/32"	(3.9)	B2017	118	(53.5)
B2417-4	4"	(100)	5/32"	(3.9)	B2018	128	(58.0)





Material: Steel and Felt

Standard Finish: Pre-Galvanized

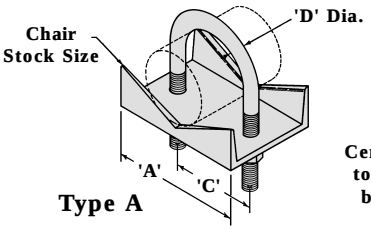
Service: Designed to control sound vibration and transmission of sound to the building structure and prevent electrolysis. May be used with B3100 Clevis Hangers, B3690 J-Hanger, B3170 Ring Hangers and B-Line Strut Clamps.

Ordering: Specify part number and finish.

Figure B3195 (IPS sizes) & B3195CT (Copper Tubing sizes) Felt Isolators

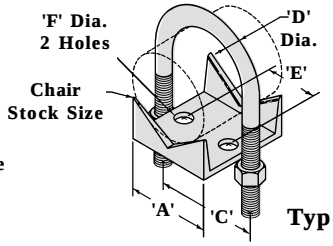
Part No. Pipe	Part No. Copper Tubing	Nominal Size Pipe		Nominal Size Tubing		'A'		'B'		'C'		Use With Hanger Size		Wt./C Lbs.	Wt./C kg
B3195-1/2	B3195CT-1/2	1/2"	(15)	1/2"	(15)	2"	(50.8)	1 1/4"	(31.7)	1 5/32"	(29.3)	3/4"	(20)	7	(3.2)
--	B3195CT-3/4	--	--	3/4"	(20)	2"	(50.8)	1 1/4"	(31.7)	1 5/32"	(29.3)	3/4"	(20)	7	(3.2)
B3195-3/4	B3195CT-1	3/4"	(20)	1"	(25)	2"	(50.8)	1 1/4"	(31.7)	1 5/16"	(33.3)	1"	(25)	7	(3.2)
B3195-1	B3195CT-1 1/4	1"	(25)	1 1/4"	(32)	2"	(50.8)	1 1/4"	(31.7)	1 21/32"	(42.0)	1 1/4"	(32)	8	(3.6)
B3195-1 1/4	B3195CT-1 1/2	1 1/4"	(32)	1 1/2"	(40)	2"	(50.8)	1 1/4"	(31.7)	1 29/32"	(48.4)	1 1/2"	(40)	9	(4.1)
B3195-1 1/2	B3195CT-2	1 1/2"	(40)	2"	(50)	2"	(50.8)	1 1/4"	(31.7)	2 3/8"	(60.3)	2"	(50)	12	(5.4)
B3195-2	B3195CT-2 1/2	2"	(50)	2 1/2"	(65)	2"	(50.8)	1 1/4"	(31.7)	2 7/8"	(73.0)	2 1/2"	(65)	15	(6.8)
B3195-2 1/2	B3195CT-3	2 1/2"	(65)	3"	(80)	2 1/2"	(63.5)	1 1/4"	(31.7)	3 1/2"	(88.9)	3"	(80)	21	(9.5)
B3195-3	B3195CT-3 1/2	3"	(80)	3 1/2"	(90)	2 1/2"	(63.5)	1 1/4"	(31.7)	4"	(101.6)	3 1/2"	(90)	27	(12.2)
B3195-3 1/2	B3195CT-4	3 1/2"	(90)	4"	(100)	3 1/4"	(82.5)	1 1/4"	(31.7)	4 1/2"	(114.3)	4"	(100)	45	(20.4)
B3195-4	B3195CT-5	4"	(100)	5"	(125)	3 5/8"	(92.1)	1 3/8"	(34.9)	5 9/16"	(141.3)	5"	(125)	66	(29.9)
B3195-5	B3195CT-6	5"	(125)	6"	(150)	4"	(101.6)	2"	(50.8)	6 5/8"	(168.3)	6"	(150)	83	(37.6)
B3195-6	--	6"	(150)	--	--	4 1/2"	(114.3)	2"	(50.8)	8 5/8"	(219.1)	8"	(200)	137	(62.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Type A

'B'
Center of pipe
to bottom of
base plate.



Type B

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for anchoring pipe to structural members.

Ordering: Specify part number and finish.

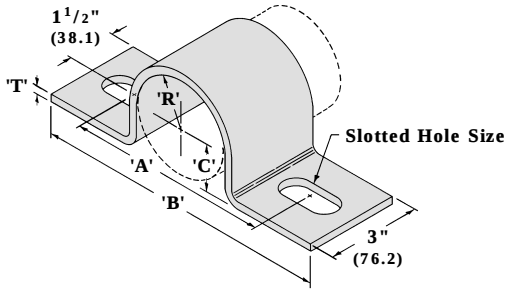
Figure B3147A & B3147B Pipe Anchor

Part No.	Nominal Pipe Size		'A'		'B'		'C'		
B3147A-1/2	1/2"	(15)	2 3/8"	(60.3)	13/16"	(20.6)	1 3/16"	(30.2)	Type A
B3147A-3/4	3/4"	(20)	2 5/8"	(66.7)	1"	(25.4)	1 3/8"	(34.9)	
B3147A-1	1"	(25)	2 7/8"	(73.0)	1 3/16"	(30.2)	1 5/8"	(41.3)	
B3147A-1 1/4	1 1/4"	(32)	3 1/8"	(79.4)	1 5/16"	(33.3)	2 1/16"	(52.4)	
B3147A-1 1/2	1 1/2"	(40)	3 7/8"	(98.4)	1 3/8"	(34.9)	2 3/8"	(60.3)	
B3147A-2	2"	(50)	4 1/4"	(107.9)	1 5/8"	(41.3)	2 13/16"	(71.4)	
B3147B-2 1/2	2 1/2"	(65)	2 3/4"	(69.8)	2 3/16"	(55.6)	3 7/16"	(87.2)	Type B
B3147B-3	3"	(80)	3 1/4"	(82.5)	2 7/16"	(61.9)	4 1/16"	(103.2)	
B3147B-3 1/2	3 1/2"	(90)	3 3/4"	(95.2)	2 5/8"	(66.7)	4 9/16"	(115.9)	
B3147B-4	4"	(100)	4"	(101.6)	2 15/16"	(74.6)	5 1/16"	(128.6)	
B3147B-5	5"	(125)	4"	(101.6)	3 9/16"	(90.5)	6 5/32"	(156.3)	
B3147B-6	6"	(150)	5"	(127.0)	3 15/16"	(100.0)	7 3/8"	(187.3)	
B3147B-8	8"	(200)	7"	(177.8)	5 1/2"	(139.7)	9 3/8"	(238.1)	
B3147B-10	10"	(250)	8"	(203.2)	6 1/2"	(165.1)	11 5/8"	(295.3)	
B3147B-12	12"	(300)	9"	(228.6)	7 1/2"	(190.5)	13 3/4"	(349.2)	
B3147B-14	14"	(350)	10"	(254.0)	8 1/16"	(204.8)	15"	(381.0)	
B3147B-16	16"	(400)	10"	(254.0)	9 1/8"	(231.8)	17"	(431.8)	
B3147B-18	18"	(450)	11"	(279.4)	10 1/8"	(257.2)	19 1/8"	(485.8)	
B3147B-20	20"	(500)	11"	(279.4)	11 1/8"	(282.6)	21 1/8"	(536.6)	
B3147B-24	24"	(600)	12"	(304.8)	13 1/8"	(333.4)	25 1/8"	(638.2)	

Part No.	'D'		'E'		'F'		Chair Stock Size	Wt./C Lbs.	Wt./C kg	
B3147A-1/2	1/4"	(6.3)	--	--	--	--	C3 x 4.1 Channel	72	(32.6)	Type A
B3147A-3/4	1/4"	(6.3)	--	--	--	--		82	(37.2)	
B3147A-1	1/4"	(6.3)	--	--	--	--		99	(44.9)	
B3147A-1 1/4	3/8"	(9.5)	--	--	--	--		109	(49.4)	
B3147A-1 1/2	3/8"	(9.5)	--	--	--	--		130	(58.9)	
B3147A-2	3/8"	(9.5)	--	--	--	--		140	(63.5)	
B3147B-2 1/2	1/2"	(12.7)	1 1/4"	(31.7)	9/16"	(14.3)		147	(66.7)	Type B
B3147B-3	1/2"	(12.7)	1 3/4"	(44.4)	9/16"	(14.3)		163	(73.9)	
B3147B-3 1/2	1/2"	(12.7)	2 1/4"	(57.1)	13/16"	(20.6)		181	(82.1)	
B3147B-4	1/2"	(12.7)	2 1/4"	(57.1)	13/16"	(20.6)		198	(89.8)	
B3147B-5	1/2"	(12.7)	2 1/4"	(57.1)	13/16"	(20.6)		210	(95.2)	
B3147B-6	5/8"	(15.9)	3"	(76.2)	13/16"	(20.6)		331	(150.1)	
B3147B-8	5/8"	(15.9)	4 1/2"	(114.3)	13/16"	(20.6)	MC4 x 13.8 Channel	793	(359.7)	
B3147B-10	3/4"	(19.0)	5 1/2"	(139.7)	13/16"	(20.6)		1096	(497.1)	
B3147B-12	7/8"	(22.2)	6"	(152.4)	13/16"	(20.6)		1419	(643.6)	
B3147B-14	7/8"	(22.2)	7"	(177.8)	13/16"	(20.6)		1555	(705.3)	
B3147B-16	7/8"	(22.2)	7"	(177.8)	13/16"	(20.6)		1643	(745.2)	
B3147B-18	1"	(25.4)	7"	(177.8)	13/16"	(20.6)		2286	(1036.9)	
B3147B-20	1"	(25.4)	7"	(177.8)	13/16"	(20.6)		2401	(1089.1)	
B3147B-24	1"	(25.4)	8"	(203.2)	13/16"	(20.6)		2713	(1230.6)	

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed as a guide to permit longitudinal movement of pipe.

Ordering: Specify part number and finish.

Figure B3252 Standard Hold-Down Pipe Guide

Part No.	Nominal Pipe Size		'A'		'B'		'C'	
B3252-1 1/2	1 1/2"	(40)	5 1/2"	(139.7)	8 1/2"	(215.9)	1"	(25.4)
B3252-2	2"	(50)	6"	(152.4)	9"	(228.6)	1 3/16"	(30.2)
B3252-2 1/2	2 1/2"	(65)	6 1/2"	(165.1)	9 1/2"	(241.3)	1 7/16"	(36.5)
B3252-3	3"	(80)	7 1/2"	(190.5)	10 3/4"	(273.0)	1 3/4"	(44.4)
B3252-3 1/2	3 1/2"	(90)	8"	(203.2)	11 1/4"	(285.7)	2"	(50.8)
B3252-4	4"	(100)	9"	(228.6)	12 1/4"	(311.1)	2 1/4"	(57.1)
B3252-5	5"	(125)	10"	(254.0)	13 1/4"	(336.5)	2 3/4"	(69.8)
B3252-6	6"	(150)	11"	(279.4)	14 1/4"	(361.9)	3 3/8"	(85.7)
B3252-8	8"	(200)	13"	(330.2)	16 1/4"	(412.7)	4 1/8"	(104.8)
B3252-10	10"	(250)	15"	(381.0)	18 1/4"	(463.5)	5 3/8"	(136.5)
B3252-12	12"	(300)	17"	(431.8)	20 1/4"	(514.3)	6 3/8"	(161.9)
B3252-14	14"	(350)	19"	(482.6)	22 1/4"	(565.1)	7"	(177.8)
B3252-16	16"	(400)	21"	(533.4)	24 1/4"	(615.9)	8"	(203.2)
B3252-18	18"	(450)	23"	(584.2)	26 1/4"	(666.7)	9"	(228.6)
B3252-20	20"	(500)	25"	(635.0)	28 1/4"	(717.5)	10"	(254.0)
B3252-24	24"	(600)	29"	(736.6)	32 1/4"	(819.2)	12"	(304.8)
B3252-30	30"	(750)	35"	(889.0)	38 1/4"	(971.5)	15"	(381.0)

Part No.	'R'		'T'		Slotted Hole Size		Wt./C Lbs.	Wt./C kg
B3252-1 1/2	1 1/8"	(38.1)	1/4"	(6.3)	15/16" x 1 15/16"	(23.8 x 49.2)	219	(99.3)
B3252-2	1 5/16"	(33.3)	1/4"	(6.3)	15/16" x 1 15/16"	(23.8 x 49.2)	241	(109.3)
B3252-2 1/2	1 9/16"	(39.7)	1/4"	(6.3)	15/16" x 1 15/16"	(23.8 x 49.2)	269	(122.0)
B3252-3	1 7/8"	(47.6)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	457	(207.3)
B3252-3 1/2	2 1/8"	(54.0)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	498	(225.9)
B3252-4	2 3/8"	(60.3)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	548	(248.6)
B3252-5	2 15/16"	(74.6)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	639	(289.8)
B3252-6	3 7/16"	(87.3)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	729	(330.7)
B3252-8	4 7/16"	(112.7)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	876	(397.3)
B3252-10	5 1/2"	(139.7)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	1058	(479.9)
B3252-12	6 1/2"	(165.1)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	1224	(555.2)
B3252-14	7 1/8"	(181.0)	3/8"	(9.5)	1 3/16" x 2 3/16"	(30.2 x 55.6)	1352	(613.2)
B3252-16	8 1/8"	(206.4)	3/8"	(9.5)	1 7/16" x 2 1/4"	(36.5 x 57.1)	1504	(682.2)
B3252-18	9 1/8"	(231.8)	3/8"	(9.5)	1 7/16" x 2 1/4"	(36.5 x 57.1)	1668	(756.6)
B3252-20	10 1/8"	(257.2)	3/8"	(9.5)	1 7/16" x 2 1/4"	(36.5 x 57.1)	1832	(831.0)
B3252-24	12 1/8"	(308.0)	3/8"	(9.5)	1 7/16" x 2 1/4"	(36.5 x 57.1)	2161	(980.2)
B3252-30	15 1/8"	(384.2)	1/2"	(12.7)	1 7/16" x 2 1/4"	(36.5 x 57.1)	3526	(1599.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed as a base plate for B3252 Pipe Guide.

Ordering: Specify part number and finish.

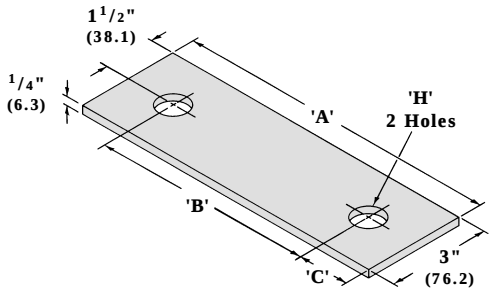
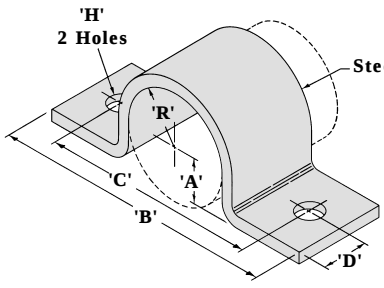


Figure B3253 Base Plate

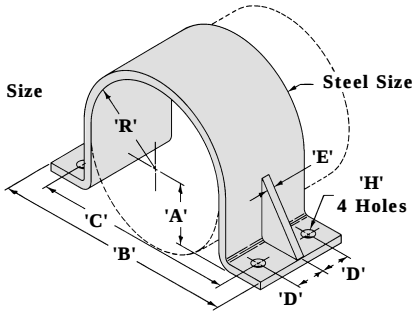
Part No.	Nominal Pipe Size		'A'		'B'		'C'		'H'		Wt./C Lbs.	kg
B3253-1 1/2	1 1/2"	(40)	8 1/2"	(215.9)	5 1/2"	(139.7)	1 1/2"	(38.1)	15/16"	(23.8)	171	(77.5)
B3253-2	2"	(50)	9"	(228.6)	9"	(152.4)	1 1/2"	(38.1)	15/16"	(23.8)	182	(82.5)
B3253-2 1/2	2 1/2"	(65)	9 1/2"	(241.3)	6 1/2"	(165.1)	1 1/2"	(38.1)	15/16"	(23.8)	192	(87.1)
B3253-3	3"	(80)	10 3/4"	(273.0)	7 1/2"	(190.5)	1 5/8"	(41.3)	1 3/16"	(30.2)	213	(96.6)
B3252-3 1/2	3 1/2"	(90)	11 1/4"	(285.7)	8"	(203.2)	1 5/8"	(41.3)	1 3/16"	(30.2)	224	(101.6)
B3253-4	4"	(100)	12 1/4"	(311.1)	9"	(228.6)	1 5/8"	(41.3)	1 3/16"	(30.2)	245	(111.1)
B3253-5	5"	(125)	13 1/4"	(336.5)	10"	(254.0)	1 5/8"	(41.3)	1 3/16"	(30.2)	266	(120.6)
B3253-6	6"	(150)	14 1/4"	(361.9)	11"	(279.4)	1 5/8"	(41.3)	1 3/16"	(30.2)	287	(130.2)
B3253-8	8"	(200)	16 1/4"	(412.7)	13"	(330.2)	1 5/8"	(41.3)	1 3/16"	(30.2)	330	(149.7)
B3253-10	10"	(250)	18 1/4"	(463.5)	15"	(381.0)	1 5/8"	(41.3)	1 3/16"	(30.2)	372	(168.7)
B3253-12	12"	(300)	20 1/4"	(514.8)	17"	(431.8)	1 5/8"	(41.3)	1 3/16"	(30.2)	415	(188.2)
B3253-14	14"	(350)	22 1/4"	(565.1)	19"	(482.6)	1 5/8"	(41.3)	1 3/16"	(30.2)	458	(207.7)
B3253-16	16"	(400)	24 1/4"	(615.9)	21"	(533.4)	1 5/8"	(41.3)	1 7/16"	(36.5)	493	(223.6)
B3253-18	18"	(450)	26 1/4"	(666.7)	23"	(584.2)	1 5/8"	(41.3)	1 7/16"	(36.5)	535	(242.7)
B3253-20	20"	(500)	28 1/4"	(717.5)	25"	(635.0)	1 5/8"	(41.3)	1 7/16"	(36.5)	578	(262.2)
B3253-24	24"	(600)	32 1/4"	(819.2)	29"	(736.6)	1 5/8"	(41.3)	1 7/16"	(36.5)	663	(300.7)
B3253-30	30"	(750)	38 1/4"	(971.5)	35"	(889.0)	1 5/8"	(41.3)	1 7/16"	(36.5)	791	(358.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES



B3256-2 thru B3256-8



B3256-10 thru B3256-30

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed to prevent longitudinal or lateral movement of pipe where pipe is anchored to concrete piers or other supporting structures.

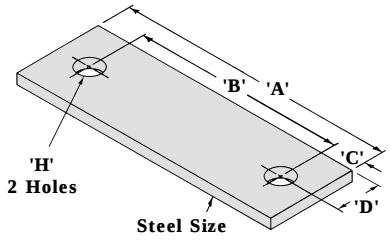
Ordering: Specify part number and finish.

Figure B3256 Hold-Down Anchor Clamp

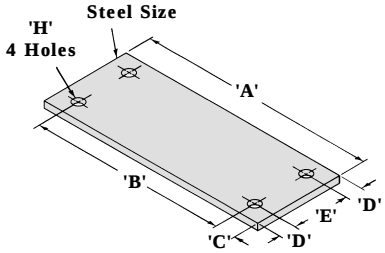
Part No.	Nominal Pipe Size		'A'		'B'		'C'		'D'		'E'	
B3256-2	2"	(50)	15/16"	(23.8)	8 1/8"	(206.4)	5 7/8"	(149.2)	1 1/2"	(38.1)	-	-
B3256-2 1/2	2 1/2"	(65)	1 3/16"	(30.2)	8 5/8"	(219.1)	6 3/8"	(161.9)	1 1/2"	(38.1)	-	-
B3256-3	3"	(80)	1 1/2"	(38.1)	9 1/4"	(234.9)	7"	(177.8)	1 1/2"	(38.1)	-	-
B3256-3 1/2	3 1/2"	(90)	1 3/4"	(44.4)	9 3/4"	(247.6)	7 1/2"	(190.5)	1 1/2"	(38.1)	-	-
B3256-4	4"	(100)	2"	(50.8)	10 1/4"	(260.3)	8"	(203.2)	1 1/2"	(38.1)	-	-
B3256-5	5"	(125)	2 9/16"	(65.1)	11 5/16"	(287.3)	9 1/16"	(230.2)	1 1/2"	(38.1)	-	-
B3256-6	6"	(150)	3 1/16"	(77.8)	13 5/8"	(346.1)	10 5/8"	(269.9)	3"	(76.2)	-	-
B3256-8	8"	(200)	4 1/16"	(103.2)	15 5/8"	(396.9)	12 5/8"	(320.7)	3"	(76.2)	-	-
B3256-10	10"	(250)	5 1/8"	(130.2)	18 3/4"	(476.2)	15 1/4"	(387.3)	2 1/2"	(63.5)	1/2"	(12.7)
B3256-12	12"	(300)	6 1/8"	(155.6)	20 3/4"	(527.0)	17 1/4"	(438.1)	2 1/2"	(63.5)	1/2"	(12.7)
B3256-14	14"	(350)	6 3/4"	(171.4)	22"	(558.8)	18 1/2"	(469.9)	3"	(76.2)	1/2"	(12.7)
B3256-16	16"	(400)	7 3/4"	(196.8)	24"	(609.6)	20 1/2"	(520.7)	3"	(76.2)	1/2"	(12.7)
B3256-18	18"	(450)	8 3/4"	(222.2)	26"	(660.4)	22 1/2"	(571.2)	3 1/2"	(88.9)	1/2"	(12.7)
B3256-20	20"	(500)	9 3/4"	(247.6)	28"	(711.2)	24 1/2"	(622.3)	3 1/2"	(88.9)	1/2"	(12.7)
B3256-24	24"	(600)	11 3/4"	(298.4)	32"	(812.8)	28 1/2"	(723.9)	3 1/2"	(88.9)	1/2"	(12.7)
B3256-30	30"	(750)	14 3/4"	(374.6)	38"	(965.2)	34 1/2"	(876.3)	3 1/2"	(88.9)	1/2"	(12.7)

Part No.	'H'		'R'		Steel Size		Wt./C Lbs.	Wt./C kg
B3256-2	7/8"	(22.2)	1 3/16"	(30.2)	3/8" x 3"	(9.5 x 76.2)	342	(155.1)
B3256-2 1/2	7/8"	(22.2)	1 7/16"	(36.5)	3/8" x 3"	(9.5 x 76.2)	386	(175.1)
B3256-3	7/8"	(22.2)	1 3/4"	(44.4)	3/8" x 3"	(9.5 x 76.2)	434	(196.8)
B3256-3 1/2	7/8"	(22.2)	2"	(50.8)	3/8" x 3"	(9.5 x 76.2)	478	(216.8)
B3256-4	7/8"	(22.2)	2 1/4"	(57.1)	3/8" x 3"	(9.5 x 76.2)	518	(234.9)
B3256-5	7/8"	(22.2)	2 13/16"	(71.4)	3/8" x 3"	(9.5 x 76.2)	610	(276.7)
B3256-6	1"	(25.4)	3 5/16"	(84.1)	1/2" x 6"	(12.7 x 152.4)	1961	(889.5)
B3256-8	1"	(25.4)	4 5/16"	(109.5)	1/2" x 6"	(12.7 x 152.4)	2397	(1087.3)
B3256-10	1 1/8"	(28.6)	5 3/8"	(136.5)	1/2" x 8"	(12.7 x 203.2)	4155	(1884.7)
B3256-12	1 1/8"	(28.6)	6 3/8"	(161.9)	1/2" x 8"	(12.7 x 203.2)	4789	(2172.3)
B3256-14	1 1/8"	(28.6)	7"	(177.8)	1/2" x 10"	(12.7 x 254.0)	6421	(2912.5)
B3256-16	1 1/8"	(28.6)	8"	(203.2)	1/2" x 10"	(12.7 x 254.0)	7210	(3270.4)
B3256-18	1 1/8"	(28.6)	9"	(228.6)	1/2" x 12"	(12.7 x 304.8)	9509	(4313.3)
B3256-20	1 1/8"	(28.6)	10"	(254.0)	1/2" x 12"	(12.7 x 304.8)	10434	(4732.8)
B3256-24	1 1/8"	(28.6)	12"	(304.8)	1/2" x 12"	(12.7 x 304.8)	12295	(5577.0)
B3256-30	1 1/8"	(28.6)	15"	(381.0)	1/2" x 12"	(12.7 x 304.8)	15082	(6841.2)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



B3257-2 thru B3257-8



B3257-10 thru B3257-30

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed as a base plate for B3256 Pipe Anchor.

Ordering: Specify part number and finish.

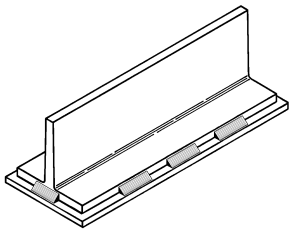
Figure B3257 Base Plate

Part No.	Nominal Pipe Size		'A'		'B'		'C'		'D'	
B3257-2	2"	(50)	8 1/8"	(206.4)	5 7/8"	(149.2)	1 1/8"	(28.6)	1 1/2"	(38.1)
B3257-2 1/2	2 1/2"	(65)	8 5/8"	(219.1)	6 3/8"	(161.9)	1 1/8"	(28.6)	1 1/2"	(38.1)
B3257-3	3"	(80)	9 1/4"	(234.9)	7"	(177.8)	1 1/8"	(28.6)	1 1/2"	(38.1)
B3257-3 1/2	3 1/2"	(90)	9 3/4"	(247.6)	7 1/2"	(190.5)	1 1/8"	(28.6)	1 1/2"	(38.1)
B3257-4	4"	(100)	10 1/4"	(260.3)	8"	(203.2)	1 1/8"	(28.6)	1 1/2"	(38.1)
B3257-5	5"	(125)	11 5/16"	(287.3)	9 1/16"	(230.2)	1 1/8"	(28.6)	1 1/2"	(38.1)
B3257-6	6"	(150)	13 5/8"	(346.1)	10 5/8"	(269.9)	1 1/2"	(38.1)	3"	(76.2)
B3257-8	8"	(200)	15 5/8"	(396.9)	12 5/8"	(320.7)	1 1/2"	(38.1)	3"	(76.2)
B3257-10	10"	(250)	18 3/4"	(476.2)	15 1/4"	(387.3)	1 3/4"	(44.4)	1 1/2"	(38.1)
B3257-12	12"	(300)	20 3/4"	(527.0)	17 1/4"	(438.1)	1 3/4"	(44.4)	1 1/2"	(38.1)
B3257-14	14"	(350)	22"	(558.8)	18 1/2"	(469.9)	1 3/4"	(44.4)	2"	(50.8)
B3257-16	16"	(400)	24"	(609.6)	20 1/2"	(520.7)	1 3/4"	(44.4)	2"	(50.8)
B3257-18	18"	(450)	26"	(660.4)	22 1/2"	(571.5)	1 3/4"	(44.4)	2 1/2"	(63.5)
B3257-20	20"	(500)	28"	(711.2)	24 1/2"	(622.3)	1 3/4"	(44.4)	2 1/2"	(63.5)
B3257-24	24"	(600)	32"	(812.8)	28 1/2"	(723.9)	1 3/4"	(44.4)	2 1/2"	(63.5)
B3257-30	30"	(750)	38"	(965.2)	34 1/2"	(876.3)	1 3/4"	(44.4)	2 1/2"	(63.5)

Part No.	'E'		'H'		Steel Size		Wt./C Lbs.	kg
B3257-2	-	-	7/8"	(22.2)	3/8" x 3"	(9.5 x 76.2)	246	(111.6)
B3257-2 1/2	-	-	7/8"	(22.2)	3/8" x 3"	(9.5 x 76.2)	262	(118.8)
B3257-3	-	-	7/8"	(22.2)	3/8" x 3"	(9.5 x 76.2)	282	(127.9)
B3257-3 1/2	-	-	7/8"	(22.2)	3/8" x 3"	(9.5 x 76.2)	298	(135.2)
B3257-4	-	-	7/8"	(22.2)	3/8" x 3"	(9.5 x 76.2)	314	(142.4)
B3257-5	-	-	7/8"	(22.2)	3/8" x 3"	(9.5 x 76.2)	348	(157.8)
B3257-6	-	-	1"	(25.4)	1/2" x 6"	(12.7 x 152.4)	1137	(515.7)
B3257-8	-	-	1"	(25.4)	1/2" x 6"	(12.7 x 152.4)	1307	(592.8)
B3257-10	5"	(127.0)	1 1/8"	(28.6)	1/2" x 8"	(12.7 x 203.2)	2071	(939.4)
B3257-12	5"	(127.0)	1 1/8"	(28.6)	1/2" x 8"	(12.7 x 203.2)	2298	(1042.4)
B3257-14	6"	(152.4)	1 1/8"	(28.6)	1/2" x 10"	(12.7 x 254.0)	3064	(1389.8)
B3257-16	6"	(152.4)	1 1/8"	(28.6)	1/2" x 10"	(12.7 x 254.0)	3347	(1518.2)
B3257-18	7"	(177.8)	1 1/8"	(28.6)	1/2" x 12"	(12.7 x 304.8)	4368	(1981.3)
B3257-20	7"	(177.8)	1 1/8"	(28.6)	1/2" x 12"	(12.7 x 304.8)	4709	(2136.0)
B3257-24	7"	(177.8)	1 1/8"	(28.6)	1/2" x 12"	(12.7 x 304.8)	5389	(2444.4)
B3257-30	7"	(177.8)	1 1/8"	(28.6)	1/2" x 12"	(12.7 x 304.8)	6410	(2907.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Figure B3891 - B3897 Pipe Slide Assembly Series



Material: Tee - Carbon Steel;
Facing Plate - Stainless Steel Type 304;
Base - Carbon Steel with teflon® slide pads.

Finish: Black paint.

Service: Designed to support pipe where horizontal movement from expansion and contraction is present. Fits up to 3" insulation thickness.

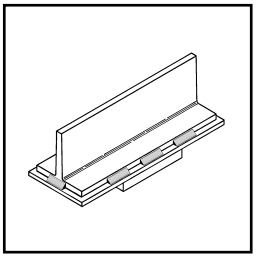
Approvals: Complies with Federal Specification WW-H-171E, and Manufacturers' Standardization Society SP-69 & SP-58 Type 35.

Operating Temperature Rating:
400°F (204°C) maximum

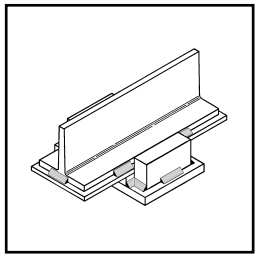
Loading: Capable of supporting constant loads up to 2000 Psi at 70°F.

B3891 - 10 - CL

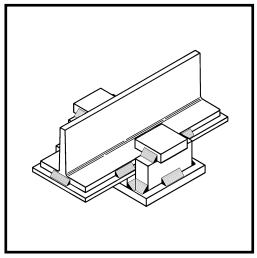
Base Style	Travel	Options
1	04"	Standard Slide = Blank
2	10"	W/ End Plates = EP - Pipe Size
3		W/ B3140 Clamps = CL - Pipe Size
4		
5		
6		
7		



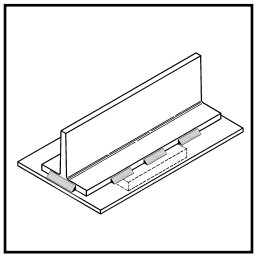
B3891



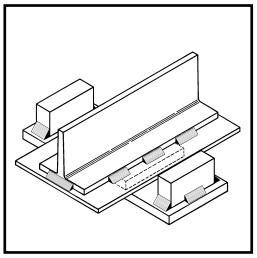
B3892



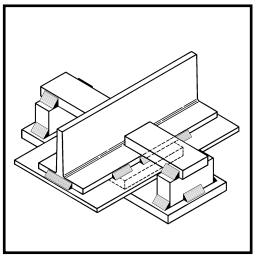
B3893



B3894



B3895



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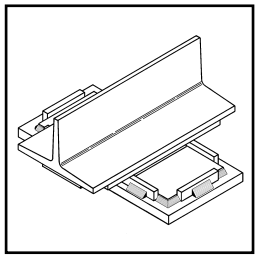


B3897

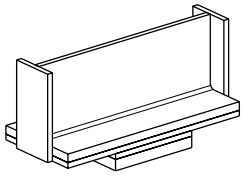
Notes:

B3891, B3892 and B3893 are designed for longitudinal movement only.

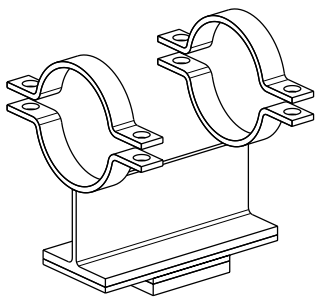
B3894, B3895 and B3896 are designed for longitudinal and limited transverse movement.

B3897 is designed for up to 5 inches (127mm) of horizontal movement in any direction, depending on the installed position.

Options:



End Plates



B3140 Clamps

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Figure B3891 - B3897 Pipe Slide Assembly Series

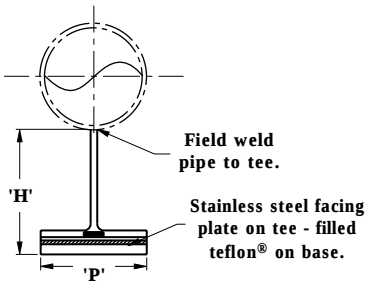
Pipe Size	Travel In.	Travel mm	Part No.	Height 'H' In.	Height 'H' mm	Length 'L' In.	Length 'L' mm	Depth 'B' In.	Depth 'B' mm	Diameter 'D' In.	Diameter 'D' mm
1" to 24" (Up to 600)	4"	(127.0)	B3891	4 5/8"	(117.5)	6"	(152.4)	2"	(50.8)	N/A	N/A
			B3892	5 1/8"	(130.2)	6"	(152.4)	4"	(101.6)	N/A	N/A
			B3893	5 1/8"	(130.2)	6"	(152.4)	4"	(101.6)	N/A	N/A
			B3894	4 5/8"	(117.5)	6"	(152.4)	2"	(50.8)	N/A	N/A
			B3895	5 1/8"	(130.2)	6"	(152.4)	4"	(101.6)	N/A	N/A
			B3896	5 1/8"	(130.2)	6"	(152.4)	4"	(101.6)	N/A	N/A
			B3897	5 5/16"	(134.9)	10 1/2"	(266.7)	5"	(127.0)	4"	(101.6)
1" to 24" (Up to 600)	10"	(254.0)	B3891	4 5/8"	(117.5)	12"	(304.8)	2"	(50.8)	N/A	N/A
			B3892	5 1/8"	(130.2)	12"	(304.8)	4"	(101.6)	N/A	N/A
			B3893	5 1/8"	(130.2)	12"	(304.8)	4"	(101.6)	N/A	N/A
			B3894	4 5/8"	(117.5)	12"	(304.8)	2"	(50.8)	N/A	N/A
			B3895	5 1/8"	(130.2)	12"	(304.8)	4"	(101.6)	N/A	N/A
			B3896	5 1/8"	(130.2)	12"	(304.8)	4"	(101.6)	N/A	N/A
			B3897	5 5/16"	(134.9)	15 1/2"	(393.7)	5"	(127.0)	4"	(101.6)

Pipe Size	Travel In.	Travel mm	Part No.	Width 'P' In.	Width 'P' mm	Width 'W' In.	Width 'W' mm	Max Recommended Load Lbs.	Max Recommended Load kN
1" to 24" (Up to 600)	4"	(127.0)	B3891	4"	(101.6)	N/A	N/A	12000	(53.4)
			B3892	4"	(101.6)	7"	(177.8)	12000	(53.4)
			B3893	4"	(101.6)	7"	(177.8)	12000	(53.4)
			B3894	N/A	N/A	6"	(152.4)	12000	(53.4)
			B3895	6"	(152.4)	10"	(254.0)	24000	(106.8)
			B3896	6"	(152.4)	10"	(254.0)	24000	(106.8)
			B3897	N/A	N/A	10 1/2"	(266.7)	16000	(71.2)
1" to 24" (Up to 600)	10"	(254.0)	B3891	4"	(101.6)	N/A	N/A	12000	(53.4)
			B3892	4"	(101.6)	7"	(177.8)	12000	(53.4)
			B3893	4"	(101.6)	7"	(177.8)	12000	(53.4)
			B3894	N/A	N/A	6"	(152.4)	12000	(53.4)
			B3895	6"	(152.4)	10"	(254.0)	24000	(106.8)
			B3896	6"	(152.4)	10"	(254.0)	24000	(106.8)
			B3897	N/A	N/A	15 1/2"	(393.7)	16000	(71.2)

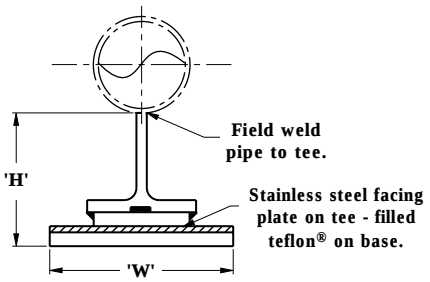
***Based on teflon® of 500 psi.**

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

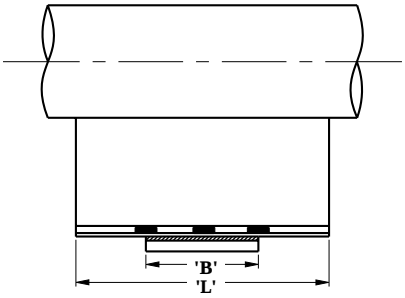
Figure B3891 - B3897 Pipe Slide Assembly Series



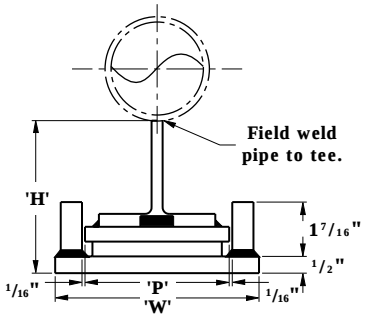
B3891 Front View



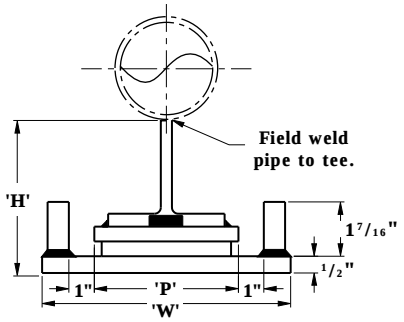
B3894 Front View



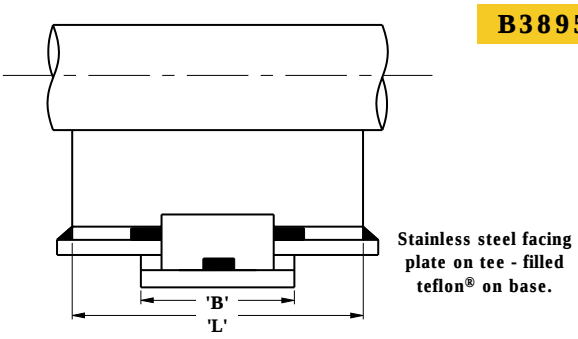
B3891& B3894 Side View



B3892 Front View



B3895 Front View

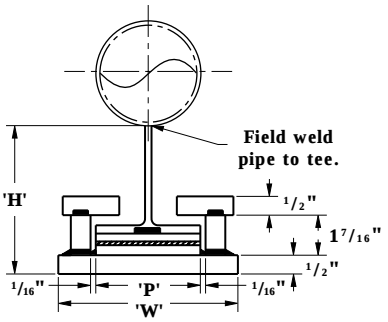


B3892 & B3895 Side View

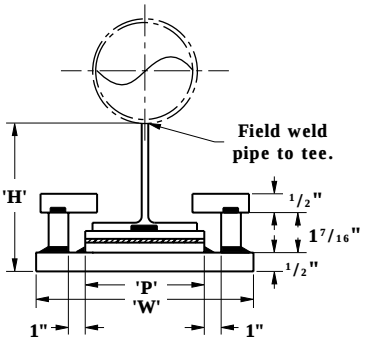
Note: All teflon® is 3/32" (2.4mm) thick.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

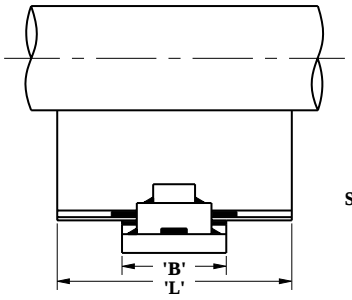
Figure B3891 - B3897 Pipe Slide Assembly Series



B3893 Front View

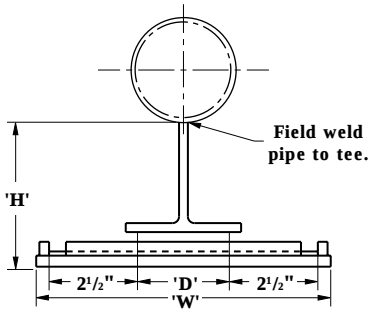


B3896 Front View



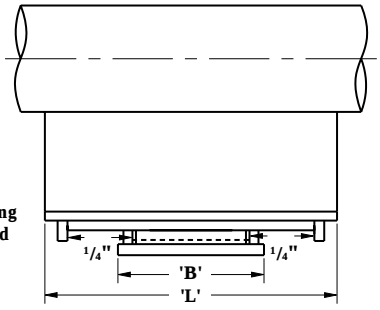
Stainless steel facing plate on tee - filled teflon® on base.

B3893 & B3896 Side View



B3897 Front View

Stainless steel facing plate on tee - filled teflon® on disc.



B3897 Side View

Note: All teflon® is 3/32" (2.4mm) thick.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Insulation Protection Shields

Selection Tables for:

Figure B3151 Insulation Protection Shield (Page 107)
Figure B3152 360° Insulation Protection Shield (Page 109)
Figure B3153 Insulation Protection Shield with 'Loc' Tabs (Page 107)
Figure B3154 Short Insulation Protection Shield (Page 108)
Figure B3155 Short Insulation Protection Shield with 'Loc' Tabs (Page 108)

Shield Size Selection Table

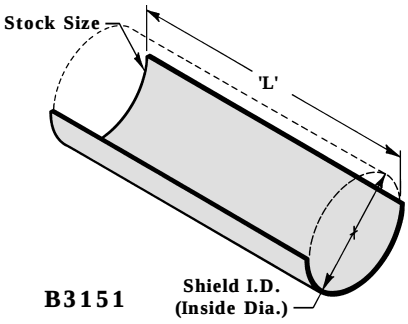
Nominal Pipe or Tubing Size		Insulation Thickness							
		1/2" (12.7)	3/4" (19.0)	1" (25.4)	1 1/2" (38.1)	2" (50.8)	2 1/2" (63.5)	3" (76.2)	4" (101.6)
1/2"	(15)	1X	2X	3X	5X	7X	--	--	--
3/4"	(20)	2X	3X	3X	5X	7X	--	--	--
1"	(25)	2X	3X	4X	6X	8X	--	--	--
1 1/4"	(32)	3X	4X	4X	7X	8X	--	--	--
1 1/2"	(40)	3X	4X	5X	7X	9X	--	--	--
2"	(50)	4X	5X	6X	8X	9X	10X*	11X*	--
2 1/2"	(65)	5X	6X	7X	9X	10X*	11X*	11X*	13Y*
3"	(80)	6X	7X	8X	9X	10X*	11X*	12Y*	14Z
3 1/2"	(90)	7X	8X	9X	10X*	11X*	12Y*	13Y*	15Z
4"	(100)	8X	9X	9X	10X*	11X*	12Y*	13Y*	15Z
5"	(125)	--	--	10Y*	11Y*	12Y*	13Y*	14Z	16Z
6"	(150)	--	--	11Y*	12Y*	13Y*	14Z	15Z	17Z
8"	(200)	--	--	13Y*	14Z	15Z	16Z	17Z	19Z
10"	(250)	--	--	15Z	16Z	17Z	18Z	19Z	21Z
12"	(300)	--	--	17Z	18Z	19Z	20Z	21Z	23Z
14"	(350)	--	--	18Z	19Z	20Z	21Z	22Z	24Z
16"	(400)	--	--	20Z	21Z	22Z	23Z	24Z	26Z
18"	(450)	--	--	22Z	23Z	24Z	25Z	26Z	28Z
20"	(500)	--	--	24Z	25Z	26Z	27Z	28Z	30Z
24"	(600)	--	--	28Z	29Z	30Z	31Z	32Z	33Z

*When selecting B3154 or B3155, replace 'X' or 'Y' designation with 'Z'.

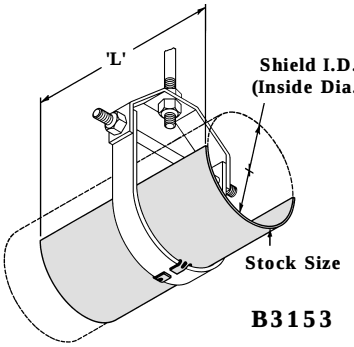
Pipe Hanger Size Selection Table

Nominal Pipe or Tubing Size		Insulation Thickness							
		1/2" (12.7)	3/4" (19.0)	1" (25.4)	1 1/2" (38.1)	2" (50.8)	2 1/2" (63.5)	3" (76.2)	4" (101.6)
1/2"	(15)	1 1/2	2	2 1/2	3 1/2	5	--	--	--
3/4"	(20)	2	2 1/2	2 1/2	3 1/2	5	--	--	--
1"	(25)	2	2 1/2	3	4	5	--	--	--
1 1/4"	(32)	2 1/2	3	3	5	5	--	--	--
1 1/2"	(40)	2 1/2	3	3 1/2	5	6	--	--	--
2"	(50)	3	3 1/2	4	5	6	8	8	--
2 1/2"	(65)	3 1/2	4	5	6	8	8	10	10
3"	(80)	4	5	5	6	8	8	10	12
3 1/2"	(90)	5	5	6	8	8	10	10	12
4"	(100)	5	6	6	8	8	10	10	12
5"	(125)	--	--	8	8	10	10	12	14
6"	(150)	--	--	8	10	10	12	12	16
8"	(200)	--	--	10	12	12	14	16	18
10"	(250)	--	--	12	14	16	16	18	20
12"	(300)	--	--	14	16	18	18	20	22
14"	(350)	--	--	16	18	18	20	20	22
16"	(400)	--	--	18	20	20	22	22	24
18"	(450)	--	--	20	22	22	24	24	26
20"	(500)	--	--	22	24	24	26	26	28
24"	(600)	--	--	26	28	28	30	30	32

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



B3151



B3153

B3153 same dimension as B3151, but with bottom tabs for centering and securing the shield to hanger.

Material: Steel (Stainless steel available)

Standard Finish: Pre-Galvanized

Service: Designed to protect pipe insulation when used with hangers.

Ordering: Specify part number and finish.

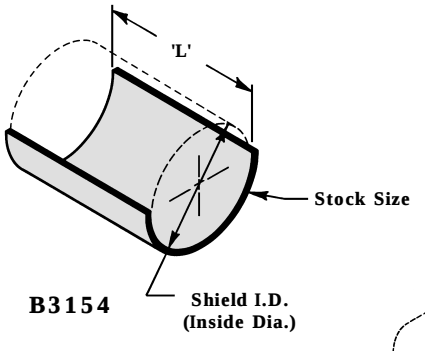
Approvals: Complies with Federal Specification WW-H-171E Type 41 and Manufacturers' Standardization Society SP-69 & SP-58 Type 40.

Note: See Selection Tables on page 106 for proper sizing.

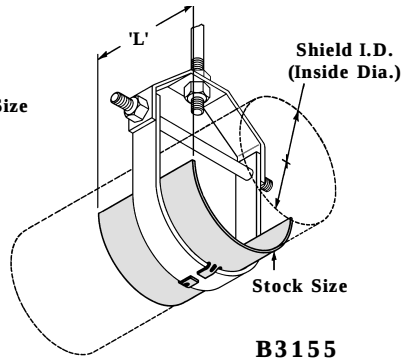
Figure B3151 Insulation Protection Shield
Figure B3153 Insulation Protection Shield with "Loc" Tabs

Part No.	Part No.	Stock Size		'L'		'I.D.'		Wt./C Lbs.	kg	Required Pipe Hanger Size	
B3151-1X	B3153-1X	18 Ga.	(1.2)	12"	(304.8)	1.90	(48.2)	50	(22.7)	1 1/2"	(40)
B3151-2X	B3153-2X	18 Ga.	(1.2)	12"	(304.8)	2.38	(60.4)	62	(28.1)	2"	(50)
B3151-3X	B3153-3X	18 Ga.	(1.2)	12"	(304.8)	2.88	(73.1)	75	(34.0)	2 1/2"	(65)
B3151-4X	B3153-4X	18 Ga.	(1.2)	12"	(304.8)	3.50	(88.9)	92	(41.7)	3"	(80)
B3151-5X	B3153-5X	18 Ga.	(1.2)	12"	(304.8)	4.00	(101.6)	104	(47.2)	3 1/2"	(90)
B3151-6X	B3153-6X	18 Ga.	(1.2)	12"	(304.8)	4.50	(114.3)	118	(53.5)	4"	(100)
B3151-7X	B3153-7X	18 Ga.	(1.2)	12"	(304.8)	5.00	(127.0)	129	(58.5)	5"	(125)
B3151-8X	B3153-8X	18 Ga.	(1.2)	12"	(304.8)	5.56	(141.2)	147	(66.7)	5"	(125)
B3151-9X	B3153-9X	16 Ga.	(1.5)	12"	(304.8)	6.64	(168.6)	219	(99.3)	6"	(150)
B3151-10X	B3153-10X	16 Ga.	(1.5)	12"	(304.8)	7.64	(194.0)	253	(114.7)	8"	(200)
B3151-11X	B3153-11X	16 Ga.	(1.5)	12"	(304.8)	8.64	(219.4)	286	(129.7)	8"	(200)
B3151-10Y	B3153-10Y	16 Ga.	(1.5)	18"	(457.2)	7.64	(194.0)	377	(171.0)	8"	(200)
B3151-11Y	B3153-11Y	16 Ga.	(1.5)	18"	(457.2)	8.64	(219.4)	424	(192.3)	8"	(200)
B3151-12Y	B3153-12Y	16 Ga.	(1.5)	18"	(457.2)	9.64	(244.8)	475	(215.4)	10"	(250)
B3151-13Y	B3153-13Y	16 Ga.	(1.5)	18"	(457.2)	10.76	(273.3)	529	(239.9)	10"	(250)
B3151-14Z	B3153-14Z	14 Ga.	(1.9)	24"	(609.6)	11.76	(298.7)	964	(437.3)	12"	(300)
B3151-15Z	B3153-15Z	14 Ga.	(1.9)	24"	(609.6)	12.76	(324.1)	1045	(474.0)	12"	(300)
B3151-16Z	B3153-16Z	14 Ga.	(1.9)	24"	(609.6)	14.00	(355.6)	1146	(519.8)	14"	(350)
B3151-17Z	--	14 Ga.	(1.9)	24"	(609.6)	15.00	(381.0)	1227	(556.5)	16"	(400)
B3151-18Z	--	14 Ga.	(1.9)	24"	(609.6)	16.00	(406.4)	1308	(593.3)	16"	(400)
B3151-19Z	--	14 Ga.	(1.9)	24"	(609.6)	17.00	(431.8)	1393	(631.8)	18"	(450)
B3151-20Z	--	12 Ga.	(2.6)	24"	(609.6)	18.00	(457.2)	2064	(936.2)	18"	(450)
B3151-21Z	--	12 Ga.	(2.6)	24"	(609.6)	19.00	(482.6)	2178	(987.9)	20"	(500)
B3151-22Z	--	12 Ga.	(2.6)	24"	(609.6)	20.00	(508.0)	2292	(1039.6)	20"	(500)
B3151-23Z	--	12 Ga.	(2.6)	24"	(609.6)	21.00	(533.4)	2406	(1091.3)	24"	(600)
B3151-24Z	--	12 Ga.	(2.6)	24"	(609.6)	22.00	(558.8)	2520	(1143.1)	24"	(600)
B3151-25Z	--	12 Ga.	(2.6)	24"	(609.6)	23.00	(584.2)	2634	(1194.8)	24"	(600)
B3151-26Z	--	12 Ga.	(2.6)	24"	(609.6)	24.00	(609.6)	2753	(1248.7)	24"	(600)
B3151-27Z	--	12 Ga.	(2.6)	24"	(609.6)	25.00	(635.0)	2862	(1298.2)	30"	(750)
B3151-28Z	--	12 Ga.	(2.6)	24"	(609.6)	26.00	(660.4)	2980	(1351.7)	30"	(750)
B3151-29Z	--	12 Ga.	(2.6)	24"	(609.6)	27.00	(685.8)	3094	(1403.4)	30"	(750)
B3151-30Z	--	12 Ga.	(2.6)	24"	(609.6)	28.00	(711.2)	3208	(1455.1)	30"	(750)
B3151-31Z	--	12 Ga.	(2.6)	24"	(609.6)	29.00	(736.6)	3322	(1506.8)	30"	(750)
B3151-32Z	--	12 Ga.	(2.6)	24"	(609.6)	30.00	(762.0)	3436	(1558.5)	30"	(750)
B3151-33Z	--	12 Ga.	(2.6)	24"	(609.6)	32.00	(812.8)	3664	(1662.0)	36"	(900)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



B3154



B3155

Material: Steel (Stainless steel available)

Standard Finish: Pre-Galvanized

Service: Designed for protection of foam, fiberglass, or high density insulation when used with pipe hangers.

Ordering: Specify part number and finish.

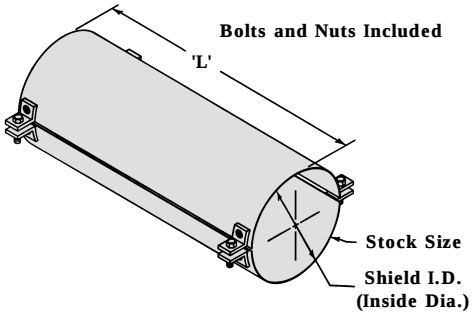
Note: See Selection Tables on page 106 for proper sizing.

B3155 same dimension as B3154 but with bottom tabs for centering and securing the shield to hanger.

Figure B3154 Short Insulation Protection Shield
Figure B3155 Short Insulation Protection Shield with "Loc" Tabs

Part No.	Part No.	Stock Size		'L'		'I.D.'		Wt./C Lbs.	Wt./C kN	Required Pipe Hanger Size	
B3154-1X	B3155-1X	18 Ga.	(1.2)	8"	(203.2)	1.90	(48.2)	36	(16.3)	1 1/2"	(40)
B3154-2X	B3155-2X	18 Ga.	(1.2)	8"	(203.2)	2.38	(60.4)	45	(20.4)	2"	(50)
B3154-3X	B3155-3X	18 Ga.	(1.2)	8"	(203.2)	2.88	(73.1)	54	(24.5)	2 1/2"	(65)
B3154-4X	B3155-4X	18 Ga.	(1.2)	8"	(203.2)	3.50	(88.9)	66	(29.9)	3"	(80)
B3154-5X	B3155-5X	18 Ga.	(1.2)	8"	(203.2)	4.00	(101.6)	75	(34.0)	3 1/2"	(90)
B3154-6X	B3155-6X	18 Ga.	(1.2)	8"	(203.2)	4.50	(114.3)	84	(38.1)	4"	(100)
B3154-7X	B3155-7X	18 Ga.	(1.2)	8"	(203.2)	5.00	(127.0)	93	(42.2)	5"	(125)
B3154-8X	B3155-8X	18 Ga.	(1.2)	8"	(203.2)	5.56	(141.2)	105	(47.6)	5"	(125)
B3154-9X	B3155-9X	18 Ga.	(1.2)	8"	(203.2)	6.64	(168.6)	126	(57.1)	6"	(150)
B3154-10Z	B3155-10Z	18 Ga.	(1.2)	12"	(304.8)	7.64	(194.0)	218	(98.9)	8"	(200)
B3154-11Z	B3155-11Z	18 Ga.	(1.2)	12"	(304.8)	8.64	(219.4)	247	(112.0)	8"	(200)
B3154-12Z	B3155-12Z	18 Ga.	(1.2)	12"	(304.8)	9.64	(244.8)	273	(123.8)	10"	(250)
B3154-13Z	B3155-13Z	18 Ga.	(1.2)	12"	(304.8)	10.76	(273.3)	304	(137.9)	10"	(250)
B3154-14Z	B3155-14Z	18 Ga.	(1.2)	12"	(304.8)	11.76	(298.7)	332	(150.6)	12"	(300)
B3154-15Z	B3155-15Z	18 Ga.	(1.2)	12"	(304.8)	12.76	(324.1)	360	(163.3)	12"	(300)
B3154-16Z	B3155-16Z	18 Ga.	(1.2)	12"	(304.8)	14.00	(355.6)	395	(179.2)	14"	(350)
B3154-17Z	--	18 Ga.	(1.2)	12"	(304.8)	15.00	(381.0)	423	(191.9)	16"	(400)
B3154-18Z	--	18 Ga.	(1.2)	12"	(304.8)	16.00	(406.4)	451	(204.6)	16"	(400)
B3154-19Z	--	18 Ga.	(1.2)	12"	(304.8)	17.00	(431.8)	481	(218.2)	18"	(450)
B3154-20Z	--	18 Ga.	(1.2)	12"	(304.8)	18.00	(457.2)	509	(230.9)	18"	(450)
B3154-21Z	--	18 Ga.	(1.2)	12"	(304.8)	19.00	(482.6)	537	(243.6)	20"	(500)
B3154-22Z	--	18 Ga.	(1.2)	12"	(304.8)	20.00	(508.0)	565	(256.3)	20"	(500)
B3154-23Z	--	18 Ga.	(1.2)	12"	(304.8)	21.00	(533.4)	593	(269.0)	24"	(600)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Pre-Galvanized

Service: Designed to protect pipe insulation when used with hangers.

Ordering: Specify part number and finish.

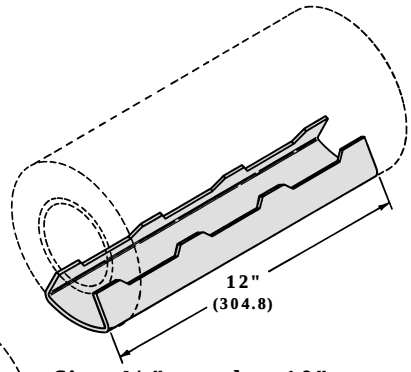
Note: See Selection Tables on page 106 for proper sizing.

Figure B3152 360° Insulation Protection Shields

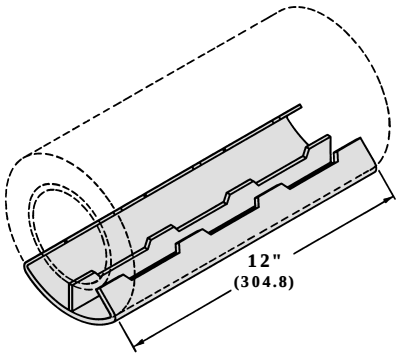
Part No.	Stock Size		'L'		'I.D.'		Wt./C Lbs.	Wt./C kN	Required Pipe Hanger Size	
B3152-1X	18 Ga.	(1.2)	12"	(304.8)	1.90	(48.2)	121	(54.9)	1 1/2"	(40)
B3152-2X	18 Ga.	(1.2)	12"	(304.8)	2.38	(60.4)	146	(66.2)	2"	(50)
B3152-3X	18 Ga.	(1.2)	12"	(304.8)	2.88	(73.1)	171	(77.5)	2 1/2"	(65)
B3152-4X	18 Ga.	(1.2)	12"	(304.8)	3.50	(88.9)	205	(93.0)	3"	(80)
B3152-5X	18 Ga.	(1.2)	12"	(304.8)	4.00	(101.6)	232	(105.2)	3 1/2"	(90)
B3152-6X	18 Ga.	(1.2)	12"	(304.8)	4.50	(114.3)	258	(117.0)	4"	(100)
B3152-7X	18 Ga.	(1.2)	12"	(304.8)	5.00	(127.0)	280	(127.0)	5"	(125)
B3152-8X	18 Ga.	(1.2)	12"	(304.8)	5.56	(141.2)	319	(144.7)	5"	(125)
B3152-9X	16 Ga.	(1.5)	12"	(304.8)	6.64	(168.6)	456	(206.8)	6"	(150)
B3152-10X	16 Ga.	(1.5)	12"	(304.8)	7.64	(194.0)	523	(237.2)	8"	(200)
B3152-11X	16 Ga.	(1.5)	12"	(304.8)	8.64	(219.4)	591	(268.1)	8"	(200)
B3152-10Y	16 Ga.	(1.5)	18"	(457.2)	7.64	(194.0)	764	(346.5)	8"	(200)
B3152-11Y	16 Ga.	(1.5)	18"	(457.2)	8.64	(219.4)	858	(389.2)	8"	(200)
B3152-12Y	16 Ga.	(1.5)	18"	(457.2)	9.64	(244.8)	960	(435.4)	10"	(250)
B3152-13Y	16 Ga.	(1.5)	18"	(457.2)	10.76	(273.3)	1081	(490.3)	10"	(250)
B3152-14Z	14 Ga.	(1.9)	24"	(609.6)	11.76	(298.7)	1922	(871.8)	12"	(300)
B3152-15Z	14 Ga.	(1.9)	24"	(609.6)	12.76	(324.1)	2084	(945.3)	12"	(300)
B3152-16Z	14 Ga.	(1.9)	24"	(609.6)	14.00	(355.6)	2286	(1036.9)	14"	(350)
B3152-17Z	14 Ga.	(1.9)	24"	(609.6)	15.00	(381.0)	2449	(1110.8)	16"	(400)
B3152-18Z	14 Ga.	(1.9)	24"	(609.6)	16.00	(406.4)	2612	(1184.8)	16"	(400)
B3152-19Z	14 Ga.	(1.9)	24"	(609.6)	17.00	(431.8)	2781	(1261.4)	18"	(450)
B3152-20Z	12 Ga.	(2.6)	24"	(609.6)	18.00	(457.2)	4108	(1863.4)	18"	(450)
B3152-21Z	12 Ga.	(2.6)	24"	(609.6)	19.00	(482.6)	4354	(1975.0)	20"	(500)
B3152-22Z	12 Ga.	(2.6)	24"	(609.6)	20.00	(508.0)	4564	(2070.2)	20"	(500)
B3152-23Z	12 Ga.	(2.6)	24"	(609.6)	21.00	(533.4)	4791	(2173.2)	24"	(600)
B3152-24Z	12 Ga.	(2.6)	24"	(609.6)	22.00	(558.8)	5019	(2276.6)	24"	(600)
B3152-25Z	12 Ga.	(2.6)	24"	(609.6)	23.00	(584.2)	5247	(2380.0)	24"	(600)
B3152-26Z	12 Ga.	(2.6)	24"	(609.6)	24.00	(609.6)	5484	(2487.5)	24"	(600)
B3152-27Z	12 Ga.	(2.6)	24"	(609.6)	25.00	(635.0)	5721	(2595.0)	30"	(750)
B3152-28Z	12 Ga.	(2.6)	24"	(609.6)	26.00	(660.4)	5940	(2694.4)	30"	(750)
B3152-29Z	12 Ga.	(2.6)	24"	(609.6)	27.00	(685.8)	6168	(2797.8)	30"	(750)
B3152-30Z	12 Ga.	(2.6)	24"	(609.6)	28.00	(711.2)	6396	(2901.2)	30"	(750)
B3152-31Z	12 Ga.	(2.6)	24"	(609.6)	29.00	(736.6)	6623	(3004.2)	30"	(750)
B3152-32Z	12 Ga.	(2.6)	24"	(609.6)	30.00	(762.0)	6851	(3107.6)	30"	(750)
B3152-33Z	12 Ga.	(2.6)	24"	(609.6)	32.00	(812.8)	7307	(3314.4)	36"	(900)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES



Sizes 3/4" (20) thru 10" (250)



Sizes 12" (300) and larger

Material: Carbon Steel; Stainless Steel available

Standard Finish: Plain or Electro-Plated

Service: Designed to protect pipe insulation on high temperature pipe lines. Saddles are 12" (304.8) long. Center rib is furnished on all saddle sizes 12" (300) and above.

Ordering: Specify part number and finish. Select Part Number by insulation thickness and add nominal pipe size (Ex: B3161-1 1/4 PLN).

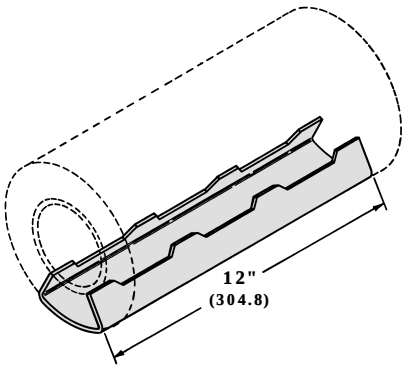
Approvals: Complies with Federal Specification WW-H-171E Type 40A and Type 40B and Manufacturers' Standardization Society SP-69 & SP-58 Type 39A and Type 39B.

Insulation Thickness		Part Number
1"	(25.4)	B3160
1 1/2"	(38.1)	B3161
2"	(50.8)	B3162
2 1/2"	(63.5)	B3163
3"	(76.2)	B3164
4"	(101.6)	B3165

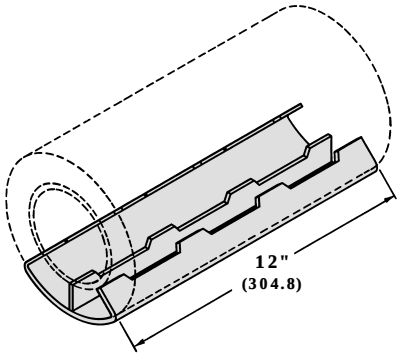
Pipe Covering Protection Saddle

Part No.	Nominal Pipe Size		Size For Roller Part Number: B3114 B3120 B3122 B3122A	Size For Roller Part Number: B3117SL B3118SL B3119SL B3124 B3126	Size For Roller Part Number: B3110	Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3160-3/4	3/4"	(20)	2	2-3 1/2	2 1/2	1200	(5.34)	122	(55.3)
B3161-3/4			3	2-3 1/2	3 1/2	1200	(5.34)	228	(103.4)
B3162-3/4			4	2-3 1/2	5	1200	(5.34)	297	(134.7)
B3160-1	1"	(25)	2 1/2	2-3 1/2	3	1200	(5.34)	156	(70.7)
B3161-1			3	2-3 1/2	4	1200	(5.34)	228	(103.4)
B3162-1			4	2-3 1/2	5	1200	(5.34)	297	(134.7)
B3160-1 1/4	1 1/4"	(32)	2 1/2	2-3 1/2	3	1200	(5.34)	156	(70.7)
B3161-1 1/4			3 1/2	2-3 1/2	5	1200	(5.34)	228	(103.4)
B3162-1 1/4			4	2-3 1/2	5	1200	(5.34)	297	(134.7)
B3163-1 1/4			5	4-6	6	1200	(5.34)	342	(155.1)
B3160-1 1/2	1 1/2"	(40)	3	2-3 1/2	3 1/2	1200	(5.34)	172	(78.0)
B3161-1 1/2			3 1/2	2-3 1/2	5	1200	(5.34)	239	(108.4)
B3162-1 1/2			5	4-6	6	1800	(8.00)	311	(141.0)
B3163-1 1/2			6	4-6	8	1800	(8.00)	417	(189.1)
B3160-2	2"	(50)	3 1/2	2-3 1/2	4	1200	(5.34)	172	(78.0)
B3161-2			4	2-3 1/2	5	1200	(5.34)	239	(108.4)
B3162-2			5	4-6	6	1800	(8.00)	311	(141.0)
B3163-2			6	4-6	8	1800	(8.00)	417	(189.1)
B3164-2			8	4-6	8	1800	(8.00)	441	(200.0)
B3160-2 1/2	2 1/2"	(65)	3 1/2	2-3 1/2	5	1200	(5.34)	210	(95.2)
B3161-2 1/2			5	4-6	6	1200	(5.34)	268	121.5)
B3162-2 1/2			6	4-6	8	1800	(8.00)	358	(162.4)
B3163-2 1/2			8	4-6	8	1800	(8.00)	417	(189.1)
B3164-2 1/2			8	4-6	10	1800	(8.00)	459	(208.2)

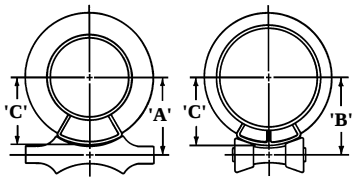
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Sizes 3/4" (20) thru 10" (250)



Sizes 12" (300) and larger



Insulation Thickness		Part Number
1"	(25.4)	B3160
1 1/2"	(38.1)	B3161
2"	(50.8)	B3162
2 1/2"	(63.5)	B3163
3"	(76.2)	B3164
4"	(101.6)	B3165

Pipe Covering Protection Saddle (Continued)

Part No.	Nominal Pipe Size		Centerline of Pipe to Centerline of Roll 'A' B3114 B3120 B3122 B3122A		'B' B3117SL B3118SL B3119SL B3124 B3126		'A' B3110		Centerline of Pipe to Outside of Saddle 'C'		Thickness of Covering (Per ASTM C585)	
B3160-3/4	3/4"	(20)	2"	(50.8)	2 1/4"	(57.1)	2"	(50.8)	1 9/16"	(39.7)	7/8"	(22.2)
B3161-3/4			2 7/16"	(61.9)	2 7/8"	(73.0)	2 3/4"	(69.8)	2 3/16"	(55.6)	1 1/2"	(38.1)
B3162-3/4			3 5/16"	(84.1)	3 7/16"	(87.3)	3 3/8"	(85.7)	2 3/4"	(69.8)	1 15/16"	(49.2)
B3160-1	1"	(25)	2 5/16"	(58.7)	2 1/2"	(63.5)	2 5/16"	(58.7)	1 13/16"	(46.0)	1 1/16"	(27.0)
B3161-1			2 7/8"	(73.0)	3"	(76.2)	2 7/8"	(73.0)	2 5/16"	(58.7)	1 9/16"	(39.7)
B3162-1			3 7/16"	(87.3)	3 5/8"	(92.1)	3 1/2"	(88.9)	2 7/8"	(73.0)	2 1/8"	(54.0)
B3160-1 1/4	1 1/4"	(32)	2 9/16"	(65.1)	2 11/16"	(68.3)	2 1/2"	(63.5)	2"	(50.8)	15/16"	(23.8)
B3161-1 1/4			3 1/8"	(79.4)	3 1/4"	(82.5)	3 1/8"	(79.4)	2 9/16"	(65.1)	1 7/16"	(36.5)
B3162-1 1/4			3 11/16"	(93.7)	3 13/16"	(96.8)	3 7/16"	(87.3)	3 1/16"	(77.8)	2 1/8"	(54.0)
B3163-1 1/4			4 1/16"	(103.2)	4 1/8"	(104.8)	4 1/16"	(103.2)	3 7/16"	(87.3)	2 7/16"	(61.9)
B3160-1 1/2	1 1/2"	(40)	2 11/16"	(68.3)	2 7/8"	(73.0)	2 7/16"	(61.9)	2 1/8"	(54.0)	1 1/32"	(26.2)
B3161-1 1/2			3 3/16"	(81.0)	3 5/16"	(84.1)	3 3/16"	(81.0)	2 9/16"	(65.1)	1 17/32"	(38.9)
B3162-1 1/2			3 9/16"	(90.5)	3 13/16"	(96.8)	3 13/16"	(96.8)	3 1/8"	(79.4)	2"	(50.8)
B3163-1 1/2			4 7/16"	(112.7)	4 3/8"	(111.1)	4 1/2"	(114.3)	3 5/8"	(92.1)	2 27/32"	(72.2)
B3160-2	2"	(50)	2 15/16"	(74.6)	3 1/8"	(79.4)	2 15/16"	(74.6)	2 3/8"	(60.3)	1 1/16"	(27.0)
B3161-2			3 7/16"	(87.3)	3 5/8"	(92.1)	3 1/2"	(88.9)	2 7/8"	(73.0)	1 19/32"	(40.5)
B3162-2			4 1/8"	(104.8)	4 1/8"	(104.8)	4 1/16"	(103.2)	3 7/16"	(87.3)	2 1/8"	(54.0)
B3163-2			4 11/16"	(119.1)	4 11/16"	(119.1)	4 3/4"	(120.6)	3 15/16"	(100.0)	2 5/8"	(66.7)
B3164-2			5 1/4"	(133.3)	5 3/16"	(131.8)	5 1/4"	(133.3)	4 1/2"	(114.3)	3 1/8"	(79.4)
B3160-2 1/2	2 1/2"	(65)	3 1/4"	(82.5)	3 3/8"	(85.7)	3 1/4"	(82.5)	2 5/8"	(66.7)	1 1/16"	(27.0)
B3161-2 1/2			3 7/8"	(98.4)	3 15/16"	(100.0)	3 7/8"	(98.4)	3 1/4"	(82.5)	1 7/8"	(47.6)
B3162-2 1/2			4 9/16"	(115.9)	4 9/16"	(115.9)	4 5/8"	(117.5)	3 7/8"	(98.4))	2 5/16"	(58.7)
B3163-2 1/2			5 1/8"	(130.2)	5"	(127.0)	5 1/8"	(130.2)	4 1/4"	(107.9)	2 7/8"	(73.0)
B3164-2 1/2			5 7/16"	(138.1)	5 5/16"	(134.9)	5 1/2"	(139.7)	4 9/16"	(115.9)	3 1/16"	(77.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Insulation Thickness		Part Number
1"	(25.4)	B3160
1 1/2"	(38.1)	B3161
2"	(50.8)	B3162

Insulation Thickness		Part Number
2 1/2"	(63.5)	B3163
3"	(76.2)	B3164
4"	(101.6)	B3165

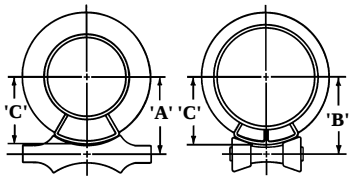
Pipe Covering Protection Saddle (Continued)

Part No.	Nominal Pipe Size		Size For Roller Part Number: B3114 B3120 B3122 B3122A	Size For Roller Part Number: B3117SL B3118SL B3119SL B3124 B3126	Size For Roller Part Number: B3110	Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3160-3	3"	(80)	4	2-3 1/2	5	1800	(8.00)	210	(95.2)
B3161-3			5	4-6	6	1800	(8.00)	268	(166.9)
B3162-3			6	4-6	8	1800	(8.00)	358	(162.4)
B3163-3			8	4-6	8	1800	(8.00)	417	(189.1)
B3164-3			8	8-10	10	1800	(8.00)	459	(208.2)
B3160-3 1/2	3 1/2"	(90)	5	4-6	6	1200	(5.34)	226	(102.5)
B3161-3 1/2			6	4-6	8	1800	(8.00)	289	(131.1)
B3162-3 1/2			8	4-6	8	1800	(8.00)	364	(165.1)
B3163-3 1/2			8	8-10	10	1800	(8.00)	422	(191.4)
B3164-3 1/2			10	8-10	10	1800	(8.00)	488	(221.3)
B3160-4	4"	(100)	5	4-6	6	1800	(8.00)	226	(102.5)
B3161-4			6	4-6	8	1800	(8.00)	289	(131.1)
B3162-4			8	8-10	8	1800	(8.00)	364	(165.1)
B3163-4			8	8-10	10	1800	(8.00)	422	(191.4)
B3164-4			10	8-10	10	1800	(8.00)	488	(221.3)
B3165-4			10	8-10	12	1800	(8.00)	616	(279.4)
B3160-5	5"	(125)	6	4-6	8	1800	(8.00)	250	(113.4)
B3161-5			8	4-6	8	1800	(8.00)	289	(131.1)
B3162-5			8	8-10	10	1800	(8.00)	364	(165.1)
B3163-5			10	8-10	10	1800	(8.00)	422	(191.4)
B3164-5			10	8-10	12	1800	(8.00)	488	(221.3)
B3165-5			12	8-10	14	1800	(8.00)	643	(291.6)
B3160-6	6"	(150)	8	4-6	8	1800	(8.00)	387	(175.5)
B3161-6			8	8-10	10	1800	(8.00)	498	(225.9)
B3162-6			10	8-10	10	1800	(8.00)	594	(269.4)
B3163-6			10	8-10	12	1800	(8.00)	694	(314.8)
B3164-6			12	8-10	12	1800	(8.00)	794	(360.1)
B3165-6			14	12-14	16	1800	(8.00)	1009	(457.7)
B3160-8	8"	(200)	10	8-10	12	1800	(8.00)	478	(216.8)
B3161-8			10	8-10	12	1800	(8.00)	554	(251.3)
B3162-8			10	8-10	12	1800	(8.00)	674	(305.7)
B3163-8			12	8-10	14	1800	(8.00)	782	(354.7)
B3164-8			14	12-14	16	1800	(8.00)	893	(405.0)
B3165-8			16	12-14	18	1800	(8.00)	1089	(494.0)
B3160-10	10"	(250)	12	8-10	14	1800	(8.00)	546	(247.6)
B3161-10			12	8-10	14	1800	(8.00)	642	(291.2)
B3162-10			14	12-14	16	1800	(8.00)	750	(340.2)
B3163-10			14	12-14	16	1800	(8.00)	850	(385.5)
B3164-10			16	16-20	18	1800	(8.00)	957	(434.1)
B3165-10			18	16-20	20	1800	(8.00)	1137	(515.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Insulation Thickness	Part Number
1" (25.4)	B3160
1 1/2" (38.1)	B3161
2" (50.8)	B3162

Insulation Thickness	Part Number
2 1/2" (63.5)	B3163
3" (76.2)	B3164
4" (101.6)	B3165



Pipe Covering Protection Saddle (Continued)

Part No.	Nominal Pipe Size		Centerline of Pipe to Centerline of Roll 'A' B3114 B3120 B3122 B3122A		'B' B3117SL B3118SL B3119SL B3124 B3126		'A' B3110		Centerline of Pipe to Outside of Saddle 'C'		Thickness of Covering (Per ASTM C585)	
B3160-3	3"	(80)	3 3/8"	(85.7)	3 1/2"	(88.9)	3 5/8"	(91.1)	3"	(76.2)	1 1/32"	(26.2)
B3161-3			4 1/4"	(107.9)	4 5/16"	(109.5)	4 1/4"	(107.9)	3 9/16"	(90.5)	1 9/16"	(39.7)
B3162-3			4 15/16"	(125.4)	4 15/16"	(125.4)	4 15/16"	(125.4)	4 3/16"	(106.4)	2 1/16"	(52.4)
B3163-3			5 7/16"	(138.1)	5 3/8"	(136.5)	5 7/16"	(138.1)	4 5/8"	(117.5)	2 9/16"	(65.1)
B3164-3			5 13/16"	(147.6)	6"	(152.4)	5 7/8"	(149.2)	4 15/16"	(125.4)	3 1/16"	(77.8)
B3160-3 1/2	3 1/2"	(90)	3 13/16"	(96.8)	3 7/8"	(98.4)	3 13/16"	(96.8)	3 3/16"	(81.0)	1 1/32"	(26.2)
B3161-3 1/2			4 3/8"	(111.1)	4 3/8"	(111.1)	4 3/8"	(111.1)	3 11/16"	(93.7)	1 9/16"	(39.7)
B3162-3 1/2			5"	(127.0)	5"	(127.0)	5"	(127.0)	4 1/4"	(107.9)	2 1/16"	(52.4)
B3163-3 1/2			5 1/2"	(139.7)	5 11/16"	(144.5)	5 9/16"	(141.3)	4 5/8"	(117.5)	2 25/32"	(70.6)
B3164-3 1/2			6 3/16"	(157.2)	6 5/16"	(160.3)	6 3/16"	(157.2)	5 1/4"	(133.3)	3 1/16"	(77.8)
B3160-4	4"	(100)	4 1/8"	(104.8)	4 1/8"	(104.8)	4 1/8"	(104.8)	3 7/16"	(87.3)	1 1/16"	(27.0)
B3161-4			4 11/16"	(119.1)	4 7/16"	(112.7)	4 3/4"	(120.6)	4"	(101.6)	1 9/16"	(39.7)
B3162-4			5 5/16"	(134.9)	5 1/4"	(133.3)	5 5/16"	(134.9)	4 1/2"	(114.3)	2 1/16"	(52.4)
B3163-4			5 13/16"	(147.6)	6"	(152.4)	5 7/8"	(149.2)	4 15/16"	(125.4)	2 9/16"	(65.1)
B3164-4			6 7/16"	(163.5)	6 9/16"	(166.7)	6 7/16"	(163.5)	5 1/2"	(139.7)	3 1/8"	(79.4)
B3165-4			7 9/16"	(192.1)	7 5/8"	(193.7)	7 9/16"	(192.1)	6 1/2"	(165.1)	4 1/8"	(104.8)
B3160-5	5"	(125)	4 11/16"	(119.1)	4 11/16"	(119.1)	4 3/4"	(120.6)	3 15/16"	(100.0)	1 1/32"	(26.2)
B3161-5			5 5/16"	(134.9)	5 1/4"	(133.3)	5 5/16"	(134.9)	4 9/16"	(115.9)	1 17/32"	(38.9)
B3162-5			5 7/8"	(149.2)	6 1/8"	(155.6)	6"	(152.4)	5 1/8"	(130.2)	2 1/32"	(51.6)
B3163-5			6 7/16"	(163.5)	6 9/16"	(166.7)	6 7/16"	(163.5)	5 9/16"	(141.3)	2 9/16"	(65.1)
B3164-5			7"	(177.8)	7 3/16"	(182.6)	7 1/8"	(181.0)	6 1/8"	(155.6)	3 3/32"	(78.6)
B3165-5			8 3/16"	(208.0)	8 3/16"	(208.0)	8 3/8"	(212.7)	7 1/16"	(179.4)	4 5/32"	(105.5)
B3160-6	6"	(150)	5 1/4"	(133.3)	5 1/4"	(133.3)	5 1/4"	(133.3)	4 1/2"	(114.3)	1"	(25.4)
B3161-6			5 7/8"	(149.2)	6 1/16"	(154.0)	5 15/16"	(150.8)	5"	(127.0)	1 1/2"	(38.1)
B3162-6			6 1/2"	(165.1)	6 5/8"	(168.3)	6 1/2"	(165.1)	5 9/16"	(141.3)	2 1/16"	(52.4)
B3163-6			7 1/16"	(179.4)	7 1/8"	(181.0)	7 1/8"	(181.0)	6 1/16"	(154.0)	2 9/16"	(65.1)
B3164-6			7 5/8"	(193.7)	7 11/16"	(195.3)	7 5/8"	(193.7)	6 9/16"	(166.7)	3 1/16"	(77.8)
B3165-6			9 1/16"	(230.2)	8 15/16"	(227.0)	9"	(228.6)	7 3/4"	(196.8)	4 3/16"	(106.4)
B3160-8	8"	(200)	6 1/2"	(165.1)	6 5/8"	(168.3)	6 9/16"	(166.7)	5 9/16"	(141.3)	1 1/32"	(26.2)
B3161-8			7 1/16"	(179.4)	7 1/8"	(181.0)	7 1/16"	(179.4)	6 1/16"	(154.0)	1 9/16"	(39.7)
B3162-8			7 9/16"	(192.1)	7 5/8"	(193.7)	7 5/8"	(193.7)	6 9/16"	(166.7)	2 1/16"	(52.4)
B3163-8			8 5/16"	(211.1)	8 5/16"	(211.1)	8 1/2"	(215.9)	7 3/16"	(182.6)	2 11/16"	(68.3)
B3164-8			9 1/16"	(230.2)	8 15/16"	(227.0)	9"	(228.6)	7 3/4"	(196.8)	3 3/16"	(81.0)
B3165-8			10"	(254.0)	9 15/16"	(252.4)	10 1/16"	(255.6)	8 11/16"	(220.7)	4 3/16"	(106.4)
B3160-10	10"	(250)	7 11/16"	(195.3)	7 3/4"	(196.8)	7 7/8"	(200.0)	6 5/8"	(168.3)	31/32"	(24.6)
B3161-10			8 5/16"	(211.1)	8 5/16"	(211.1)	8 7/16"	(214.3)	7 3/16"	(182.6)	1 5/8"	(41.3)
B3162-10			9"	(228.6)	8 7/8"	(225.4)	8 7/8"	(225.4)	7 11/16"	(195.3)	2 1/8"	(54.0)
B3163-10			9 5/8"	(244.5)	9 7/16"	(239.7)	9 1/2"	(241.3)	8 3/16"	(208.0)	2 5/8"	(66.7)
B3164-10			10 1/8"	(257.2)	10 3/16"	(258.8)	10 3/16"	(258.8)	8 3/4"	(222.2)	3 1/8"	(79.4)
B3165-10			11 1/4"	(285.7)	11 3/16"	(284.2)	11 1/4"	(285.7)	9 3/4"	(247.6)	4 1/8"	(104.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Insulation Thickness		Part Number
1"	(25.4)	B3160
1 1/2"	(38.1)	B3161
2"	(50.8)	B3162

Insulation Thickness		Part Number
2 1/2"	(63.5)	B3163
3"	(76.2)	B3164
4"	(101.6)	B3165

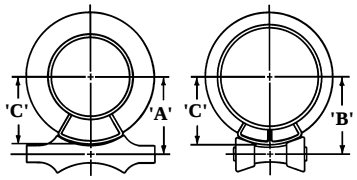
Pipe Covering Protection Saddle (Continued)

Part No.	Nominal Pipe Size		Size For Roller Part Number: B3114 B3120 B3122 B3122A	Size For Roller Part Number: B3117SL B3118SL B3119SL B3124 B3126	Size For Roller Part Number: B3110	Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3160-12	12"	(300)	14	12-14	16	5000	(22.24)	688	(312.1)
B3161-12			14	12-14	16	5000	(22.24)	836	(379.2)
B3162-12			16	16-20	18	5000	(22.24)	963	(436.8)
B3163-12			16	16-20	18	5000	(22.24)	1091	(494.9)
B3164-12			18	16-20	20	5000	(22.24)	1218	(552.5)
B3165-12			20	16-20	-	5000	(22.24)	1462	(663.1)
B3161-14	14"	(350)	16	16-20	18	5000	(22.24)	828	(375.6)
B3162-14			16	16-20	18	5000	(22.24)	963	(436.8)
B3163-14			18	16-20	20	5000	(22.24)	1099	(498.5)
B3164-14			18	16-20	20	5000	(22.24)	1230	(557.9)
B3165-14			20	24	-	5000	(22.24)	1486	(674.0)
B3161-16	16"	(400)	18	16-20	20	5000	(22.24)	907	(411.4)
B3162-16			18	16-20	20	5000	(22.24)	1039	(471.3)
B3163-16			20	16-20	-	7200	(32.02)	1163	(527.5)
B3164-16			20	24	-	7200	(32.02)	1298	(588.8)
B3165-16			24	24	-	7200	(32.02)	1554	(704.9)
B3161-18	18"	(450)	20	16-20	-	5000	(22.24)	979	(444.1)
B3162-18			20	24	-	7200	(32.02)	1107	(502.1)
B3163-18			24	24	-	7200	(32.02)	1230	(557.9)
B3164-18			24	24	-	7200	(32.02)	1362	(617.8)
B3165-18			24	24	-	7200	(32.02)	1617	(733.5)
B3161-20	20"	(500)	24	24	-	7200	(32.02)	1043	(473.1)
B3162-20			24	24	-	7200	(32.02)	1171	(531.1)
B3163-20			24	24	-	7200	(32.02)	1294	(586.9)
B3164-20			24	24	-	7200	(32.02)	1430	(648.6)
B3165-20			30	30	-	7200	(32.02)	1689	(766.1)
B3161-24	24"	(600)	30	30	-	7200	(32.02)	1179	(534.8)
B3162-24			30	30	-	7200	(32.02)	1306	(592.4)
B3163-24			30	30	-	7200	(32.02)	1442	(654.1)
B3164-24			30	30	-	7200	(32.02)	1562	(708.5)
B3165-24			30	30	-	7200	(32.02)	1821	(826.0)
B3161-30	30"	(750)	-	36-42	-	7200	(32.02)	1370	(621.4)
B3162-30			-	36-42	-	7200	(32.02)	1502	(681.3)
B3163-30			-	36-42	-	7200	(32.02)	1640	(743.9)
B3164-30			-	36-42	-	7200	(32.02)	1761	(798.8)
B3165-30			-	36-42	-	7200	(32.02)	2008	(910.8)
B3161-36	36"	(900)	-	36-42	-	7200	(32.02)	1574	(713.9)
B3162-36			-	36-42	-	7200	(32.02)	1701	(771.6)
B3163-36			-	36-42	-	7200	(32.02)	1857	(842.3)
B3164-36			-	36-42	-	7200	(32.02)	1961	(889.5)
B3165-36			-	36-42	-	7200	(32.02)	2216	(1005.2)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Insulation Thickness		Part Number
1"	(25.4)	B3160
1 1/2"	(38.1)	B3161
2"	(50.8)	B3162

Insulation Thickness		Part Number
2 1/2"	(63.5)	B3163
3"	(76.2)	B3164
4"	(101.6)	B3165



Pipe Covering Protection Saddle (Continued)

Part No.	Nominal Pipe Size		Centerline of Pipe to Centerline of Roll 'A' B3114 B3120 B3122 B3122A		'B' B3117SL B3118SL B3119SL B3124 B3126		'A' B3110		Centerline of Pipe to Outside of Saddle 'C'		Thickness of Covering (Per ASTM C585)	
B3160-12	12"	(300)	8 15/16"	(227.0)	8 13/16"	(223.8)	8 7/8"	(225.4)	7 5/8"	(193.7)	1 1/16"	(27.0)
B3161-12			9 9/16"	(242.9)	9 7/16"	(239.7)	9 1/2"	(241.3)	8 3/16"	(208.0)	1 5/8"	(41.3)
B3162-12			10 1/16"	(255.6)	10 1/8"	(257.2)	10 1/8"	(257.2)	8 3/4"	(222.2)	2 1/8"	(54.0)
B3163-12			10 5/8"	(269.9)	10 5/8"	(269.9)	10 5/8"	(269.9)	9 1/4"	(234.9)	2 5/8"	(66.7)
B3164-12			11 3/16"	(284.2)	11 3/16"	(284.2)	11 1/4"	(285.7)	9 11/16"	(246.1)	3 1/8"	(79.4)
B3165-12			12 5/16"	(312.7)	12 3/16"	(309.6)	--	--	10 3/4"	(273.0)	4 1/8"	(104.8)
B3161-14	14"	(350)	10 1/16"	(255.6)	9 15/16"	(252.4)	10 1/16"	(255.6)	8 11/16"	(220.7)	1 1/2"	(38.1)
B3162-14			10 5/8"	(269.9)	10 5/8"	(269.9)	10 5/8"	(269.9)	9 3/16"	(233.4)	2"	(50.8)
B3163-14			11 3/16"	(284.2)	11 3/16"	(284.2)	11 1/4"	(285.7)	9 3/4"	(247.6)	2 1/2"	(63.5)
B3164-14			11 3/4"	(298.4)	11 11/16"	(296.9)	11 3/4"	(298.4)	10 1/4"	(260.3)	3"	(76.2)
B3165-14			12 7/8"	(327.0)	12 7/16"	(315.9)	--	--	11 3/16"	(284.2)	4"	(101.6)
B3161-16	16"	(400)	11 1/8"	(282.6)	11 1/8"	(282.6)	11 3/16"	(284.2)	9 11/16"	(246.1)	1 1/2"	(38.1)
B3162-16			11 13/16"	(300.0)	11 11/16"	(296.9)	11 3/4"	(298.4)	10 1/4"	(260.3)	2"	(50.8)
B3163-16			12 5/16"	(312.7)	12 1/8"	(308.0)	--	--	10 11/16"	(271.5)	2 1/2"	(63.5)
B3164-16			12 7/8"	(327.0)	12 9/16"	(319.1)	--	--	11 1/4"	(285.7)	3"	(76.2)
B3165-16			13 15/16"	(354.0)	13 9/16"	(344.5)	--	--	12 1/4"	(311.1)	4"	(101.6)
B3161-18	18"	(450)	12 1/4"	(311.1)	12 1/8"	(308.0)	--	--	10 11/16"	(271.5)	1 1/2"	(38.1)
B3162-18			12 7/8"	(327.0)	12 1/2"	(317.5)	--	--	11 1/4"	(285.7)	2"	(50.8)
B3163-18			13 3/8"	(339.7)	13"	(330.2)	--	--	11 11/16"	(296.9)	2 1/2"	(63.5)
B3164-18			13 15/16"	(354.0)	13 9/16"	(344.5)	--	--	12 1/4"	(311.1)	3"	(76.2)
B3165-18			15"	(381.0)	14 9/16"	(369.9)	--	--	13 1/4"	(336.5)	4"	(101.6)
B3161-20	20"	(500)	13 3/8"	(339.7)	13"	(330.2)	--	--	11 11/16"	(296.9)	1 1/2"	(38.1)
B3162-20			13 15/16"	(354.0)	13 1/2"	(342.9)	--	--	12 3/16"	(309.6)	2"	(50.8)
B3163-20			14 7/16"	(366.7)	14"	(355.6)	--	--	12 11/16"	(322.3)	2 1/2"	(63.5)
B3164-20			14 15/16"	(379.4)	14 9/16"	(369.9)	--	--	13 3/16"	(350.8)	3"	(76.2)
B3165-20			16 1/4"	(412.7)	15 7/8"	(403.2)	--	--	14 1/4"	(361.9)	4"	(101.6)
B3161-24	24"	(600)	15 11/16"	(398.5)	15 5/16"	(388.9)	--	--	13 11/16"	(347.7)	1 1/2"	(38.1)
B3162-24			16 1/4"	(412.8)	15 7/8"	(403.2)	--	--	14 3/16"	(360.4)	2"	(50.8)
B3163-24			16 3/4"	(425.4)	16 5/16"	(414.3)	--	--	14 5/8"	(377.8)	2 1/2"	(63.5)
B3164-24			17 3/8"	(441.3)	16 7/8"	(428.6)	--	--	15 1/4"	(387.3)	3"	(76.2)
B3165-24			18 7/16"	(468.3)	17 15/16"	(455.6)	--	--	16 1/4"	(412.7)	4"	(101.6)
B3161-30	30"	(750)	--	--	18 7/8"	(479.4)	--	--	16 11/16"	(423.9)	1 1/2"	(38.1)
B3162-30			--	--	19 3/8"	(492.1)	--	--	17 3/16"	(436.6)	2"	(50.8)
B3163-30			--	--	19 15/16"	(506.4)	--	--	17 11/16"	(449.3)	2 1/2"	(63.5)
B3164-30			--	--	20 1/2"	(520.7)	--	--	18 3/16"	(462.0)	3"	(76.2)
B3165-30			--	--	21 1/2"	(546.1)	--	--	19 3/16"	(487.4)	4"	(101.6)
B3161-36	36"	(900)	--	--	22 1/8"	(562.0)	--	--	19 11/16"	(500.1)	1 1/2"	(38.1)
B3162-36			--	--	22 5/8"	(574.7)	--	--	20 3/16"	(512.8)	2"	(50.8)
B3163-36			--	--	23 3/16"	(589.0)	--	--	20 11/16"	(525.5)	2 1/2"	(63.5)
B3164-36			--	--	23 11/16"	(601.7)	--	--	21 3/16"	(538.2)	3"	(76.2)
B3165-36			--	--	24 11/16"	(627.1)	--	--	22 3/16"	(563.6)	4"	(101.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

CONCRETE INSERTS

Concrete inserts offered in this section are designed to provide a pre-set support point in concrete ceilings, walls, and floors. A range of inserts with varying design loads are available.

Materials

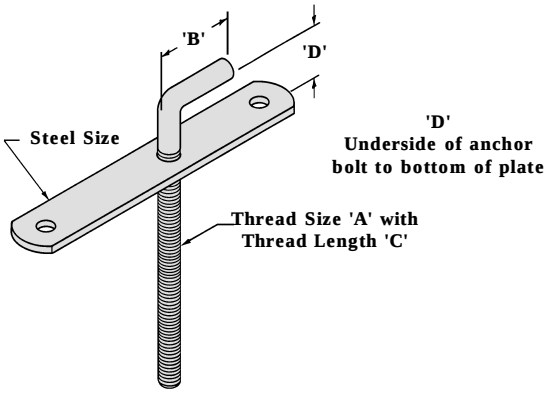
Carbon Steel and Malleable Iron are used in the manufacturing of concrete inserts. Stainless Steel and other materials are available.

Finishes

The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating, Dura-Green® and other special coatings are available upon request.

Approvals (as noted)

Items in this section are Underwriters' Laboratories Listed, Factory Mutual Approved, comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 & SP-58.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for installation in metal deck forms for attachment of hanger rod.

Ordering: Specify part number and finish.

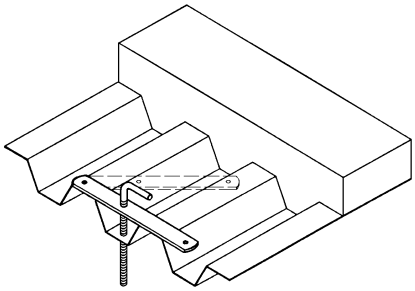
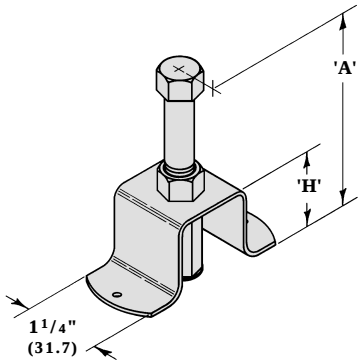


Figure B3019 Adjustable Metal Deck Ceiling Bolt

Part No.	Thread Size 'A'	'B'		Thread Length 'C'		'D'		Steel Size		Design Load Lbs	kN	Wt./C Lbs.	kg
B3019-3/8	3/8"-16	2 1/2"	(63.5)	6 3/8"	(161.9)	1 1/4"	(31.7)	7 Ga. x 1 1/4" x 10"	(4.5 x 31.7 x 254.0)	610	(2.71)	80	(36.3)
B3019-1/2	1/2"-13	2 1/2"	(63.5)	6 1/2"	(165.1)	1 1/4"	(31.7)	7 Ga. x 1 1/4" x 10"	(4.5 x 31.7 x 254.0)	1130	(5.02)	99	(44.9)
B3019-5/8	5/8"-11	2 1/2"	(63.5)	6 3/4"	(171.4)	1 1/4"	(31.7)	7 Ga. x 1 1/4" x 10"	(4.5 x 31.7 x 254.0)	1810	(8.05)	129	(58.5)
B3019-3/4	3/4"-10	2 1/2"	(63.5)	6 3/16"	(157.2)	2 1/4"	(57.1)	1/4" x 3" x 10"	(6.3 x 76.2 x 254.0)	2710	(12.05)	238	(107.9)

For maximum load rating, install plate on top of deck ribs.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed to be embedded in concrete for attachment of 1/4"-20 to 1/2"-13 hanger rods.

Ordering: Specify part number, size and finish.

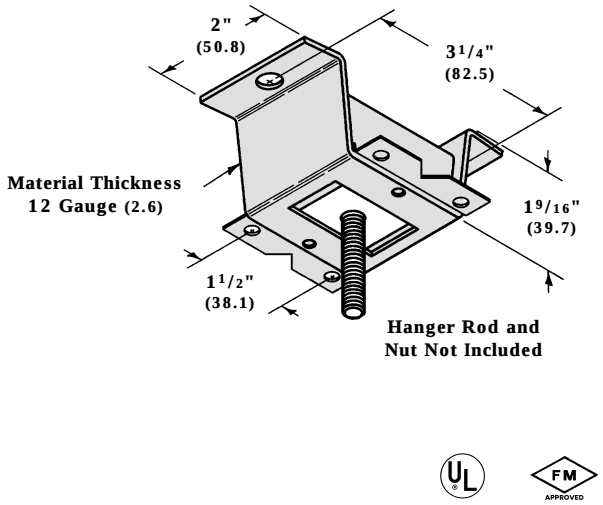
How to Install: Locate and nail to form. Pour concrete and strip forms when set. Remove color coded plug, install rod and lock with jam nut.

Figure B2501 Light Duty Spot Insert

Part No.	Rod Size	'A'		'H'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B2501-1/4	1/4"-20	2 7/16"	(61.9)	7/8"	(22.2)	250	(1.11)	16	(7.2)
B2501-3/8	3/8"-16	3 1/16"	(77.8)	1 7/8"	(47.6)	610	(2.71)	22	(10.0)
B2501-1/2	1/2"-13	4 1/8"	(104.8)	1 7/8"	(47.6)	880	(3.91)	26	(11.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

CONCRETE INSERTS



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed to be embedded in concrete to attach 1/4"-20 to 7/8"-9 hanger rods.

How to Install: Attach concrete insert to forms and install reinforcing rods as required. After forms are dismantled, the knockout can be removed from the insert. The N2500 Insert Nut can be installed and the rod fastened to the nut. The rod should touch the inside top of the insert but should not be forced further to avoid damaging the insert.

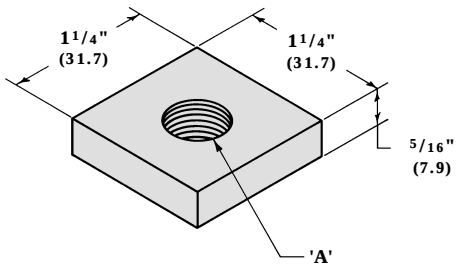
Ordering: Specify part number and finish. (Order N2500 nuts separately).

Weight: Wt./C 46 Lbs. (20.8 kg)

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved for maximum pipe size 6" (150). Complies with Federal Specification WW-H-171E Type 19 and Manufacturers' Standardization Society SP-69 & SP-58 Type 18.

Design Load: Loading based on a straight pull of 800 Lbs. (3.56 kN).

Figure B2500 Light Duty Spot Insert



Material: Steel

Standard Finish: Plain or Electro-Plated

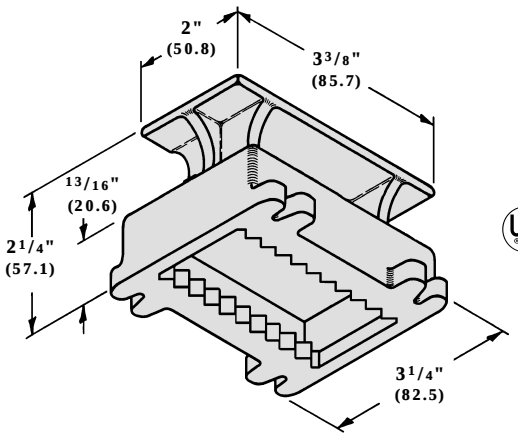
Service: Designed for use with B2500 Spot Insert.

Ordering: Specify part number and finish.

Figure N2500 Steel Insert Nut

Part No.	Tap Size 'A'	Wt./C Lbs.	kg
N2500-1/4	1/4"-20	14	(6.3)
N2500-3/8	3/8"-16	13	(5.9)
N2500-1/2	1/2"-13	12	(5.4)
N2500-5/8	5/8"-11	11	(5.0)
N2500-3/4	3/4"-10	11	(5.0)
N2500-7/8	7/8"-9	10	(4.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Horizontal Adjustment:
For 3/8"-16, 1/2"-13, 5/8"-11, 3/4"-10 rods - Adjustment is 1 3/4" (44.4)
For 7/8"-9 rods - Adjustment is 1 3/16" (30.2)

Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed to be embedded in concrete to attach 1/4"-20 to 7/8"-9 hanger rods.

Note: Design Loads based on B3014N Malleable Iron Insert Nut below.

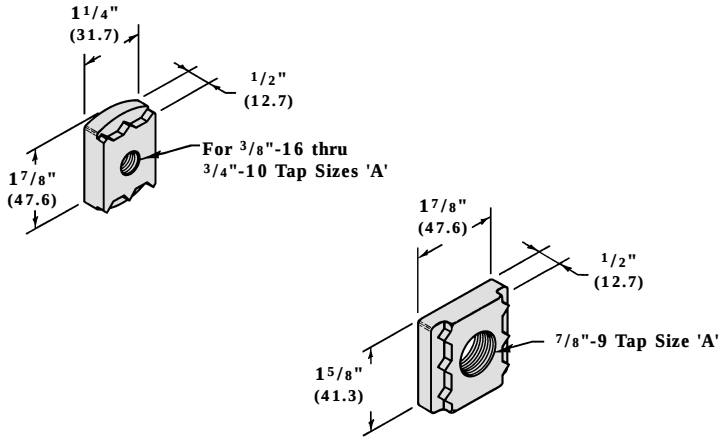
How to Install: Attach concrete insert to forms and install reinforcing rods as required. After forms are dismantled, the B3014N nut can be installed and the rod fastened to the nut. The rod should touch the inside top of the insert.

Ordering: Specify part number and finish.

Weight: Wt./C 166 Lbs. (75.3 kg)

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved. Complies with Federal Specification WW-H-171E Type 18 and Manufacturers' Standardization Society SP-69 & SP-58 Type 18.

Figure B3014 Malleable Iron Insert



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed for use with the B3014 Malleable Iron Insert.

Ordering: Specify part number and finish.

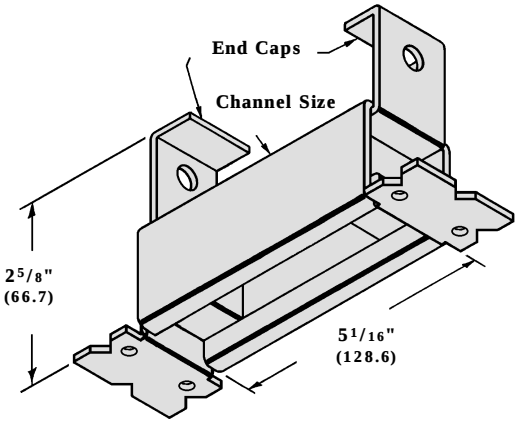
Figure B3014N Malleable Iron Insert Nut

Part No.	Tap Size 'A'	Design Load* Lbs.	Design Load* kN	Wt./C Lbs.	Wt./C kg
B3014N-3/8	3/8"-16	610	(2.71)	22	(10.0)
B3014N-1/2	1/2"-13	1130	(5.02)	22	(10.0)
B3014N-5/8	5/8"-11	1140	(5.07)	20	(9.1)
B3014N-3/4	3/4"-10	1140	(5.07)	19	(8.6)
B3014N-7/8	7/8"-9	1140	(5.07)	29	(13.1)

• When used with B3014 Malleable Iron Insert.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

CONCRETE INSERTS



Styrofoam Filled

Material: Steel (Stainless steel available on B2505 only)

Standard Finish: Plain or Pre-Galvanized

Service: Designed to be embedded in concrete to attach 1/4"-20 to 7/8"-9 hanger rods.

Note: For appropriate channel nut selection, see page 14.

Ordering: Specify part number and finish. When supporting 10" (254) pipe, order B2505 Insert with 5/8"-11 Channel Nuts.

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved.

Figure B2505 thru B2508 Spot Insert

Part No.	Channel Size	End Cap Part No.	Design Load Lbs.	Design Load kN	Maximum Pipe Size		Wt./C Lbs.	Wt./C kg
B2505	B22	B3322	1200	(5.34)	10"	(250)	96	(43.5)
B2506	B32	B3332	1000	(4.45)	8"	(200)	88	(39.9)
B2507	B42	B3342	1000	(4.45)	8"	(200)	77	(34.9)
B2508	B52	B3352	1000	(4.45)	8"	(200)	69	(31.3)

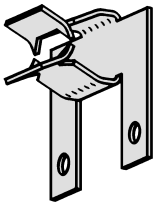
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

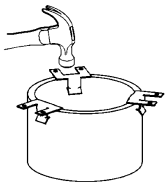
Material: Steel

Standard Finish: Zinc Phosphate

Service: Designed to attach pipe sleeves to wall or floor forms before concrete pours.

Ordering: Specify part number and finish.





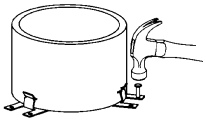


Figure BD40 Pipe Sleeve Fastener

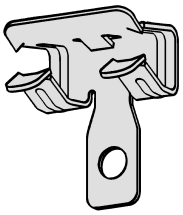
Part No.	Sleeve Diameter	Wall Thickness	Wt./C Lbs.	kg
BD40	All Diameters	5/16" (7.9) and under	1.5	(.68)
	2" (50.8) to 6" (152.4)	Schedule #40 Pipe		

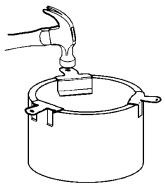
Material: Steel

Standard Finish: Zinc Phosphate

Service: Designed to attach pipe sleeves to wall or floor forms before concrete pours.

Ordering: Specify part number and finish.





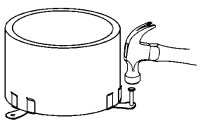
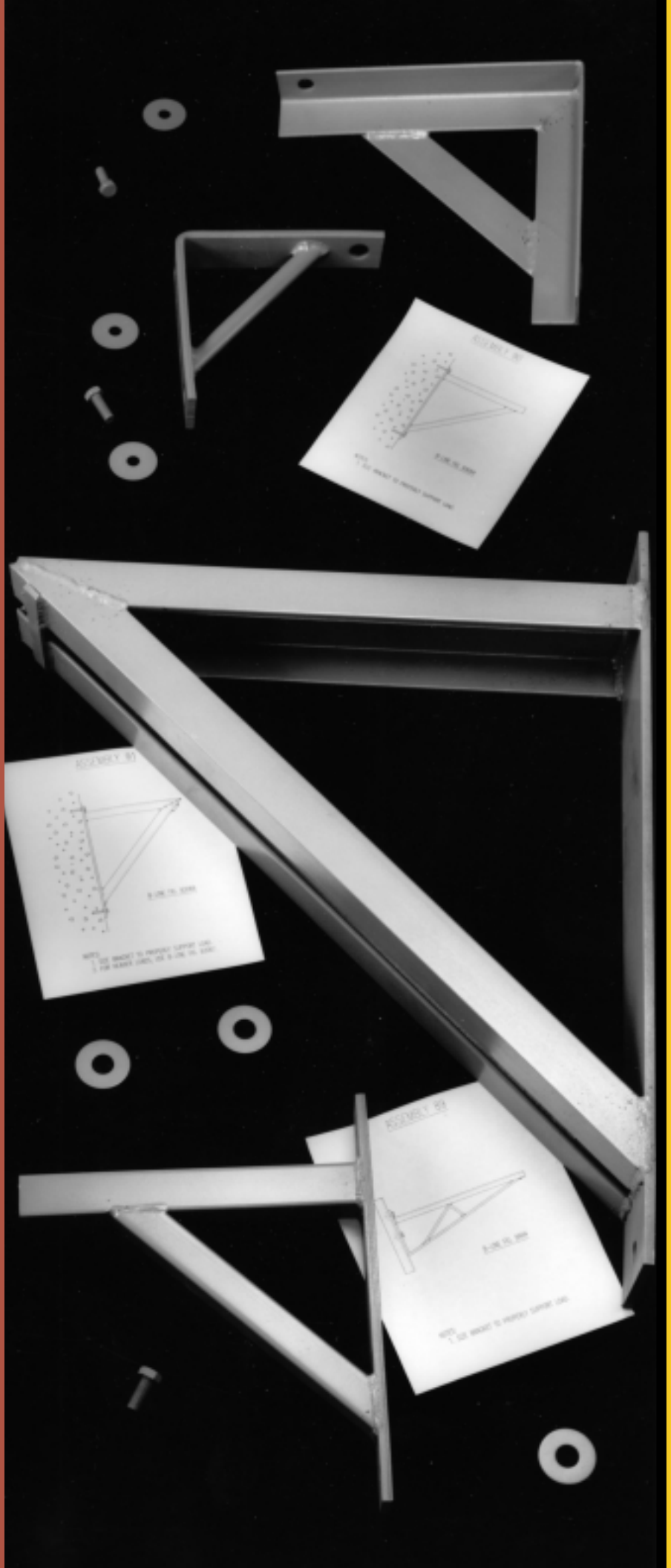


Figure BE-5-8 and BE-9-12 Pipe Sleeve Fastener

Part No.	Sleeve Diameter		Wall Thickness	Wt./C Lbs.	kg
BE-5-8	6"	(152.4)	Schedule #80 Pipe	3.5	(1.6)
	8" to 10"	(203.2 to 254.0)	Schedule #40 Pipe		
BE-9-12	9" to 14"	(228.6 to 355.6)	Schedule #80 Pipe	4.0	(1.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



BRACKETS

Brackets offered in this section are designed for support of pipe or hanger rod attachments. Brackets offer a convenient means of supporting pipe from a vertical surface.

Materials

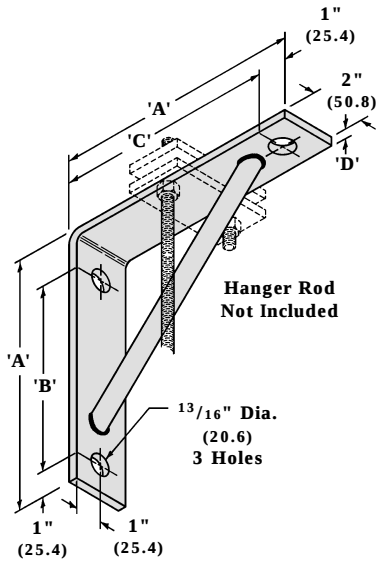
Carbon Steel material is mig-welded into bracket assemblies. Stainless Steel and other materials are available.

Finishes

The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating, Dura-Green® and other special coatings are available upon request.

Approvals (as noted)

Items in this section comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 & SP-58.



Material: Steel

Standard Finish: Plain or Electro-Plated

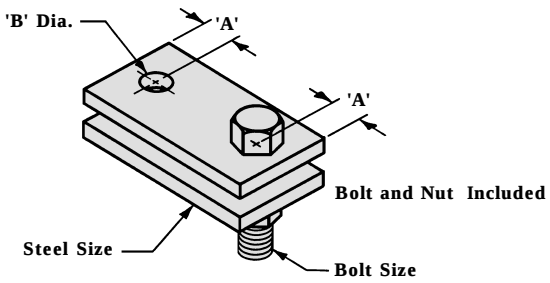
Service: Designed to suspend hanger rod for support of light loads under 750 Lbs. (3.33kN) from a wall or structure.

Ordering: Specify part number and finish. Order B3063CP Clips separately. See below.

Approvals: Complies with Federal Specification WW-H-171E Type 32 and Manufacturers' Standardization Society SP-69 & SP-58 Type 31.

Figure B3063 Light Welded Steel Bracket

Part No.	'A'		'B'		'C'		'D'		Wt./C Lbs.	Wt./C kg
B3063-1	9"	(228.6)	6 1/2"	(165.1)	8"	(203.2)	3/8"	(9.5)	409	(185.5)
B3063-2	13"	(330.2)	10 1/2"	(266.7)	12"	(304.8)	3/8"	(9.5)	620	(281.2)
B3063-3	19"	(482.6)	16 1/2"	(419.1)	18"	(457.2)	3/8"	(9.5)	936	(424.5)



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed to suspend hanger rod when used with the B3063 Light Welded Steel Bracket.

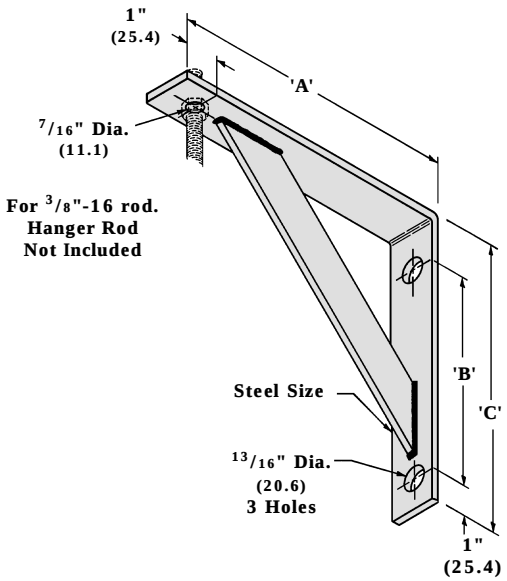
Ordering: Specify part number and finish.

Figure B3063CP Clip for B3063 Bracket

Part No.	For Rod Size	'A'		Dia. 'B'		Bolt Size	Steel Size		Wt./C Lbs.	Wt./C kg
B3063CP-3/8	3/8"-16	9/16"	(14.3)	7/16"	(11.1)	3/8"-16 x 1 3/4"	3/8" x 2" x 3 5/8"	(9.5 x 50.8 x 92.1)	156	(70.7)
B3063CP-1/2	1/2"-13	7/8"	(22.2)	9/16"	(14.3)	1/2"-13 x 2"	3/8" x 2" x 4 3/8"	(9.5 x 50.8 x 111.1)	194	(88.0)
B3063CP-5/8	5/8"-11	1"	(25.4)	11/16"	(17.5)	5/8"-11 x 2"	3/8" x 2" x 4 1/2"	(9.5 x 50.8 x 114.3)	206	(93.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

BRACKETS



Material: Steel

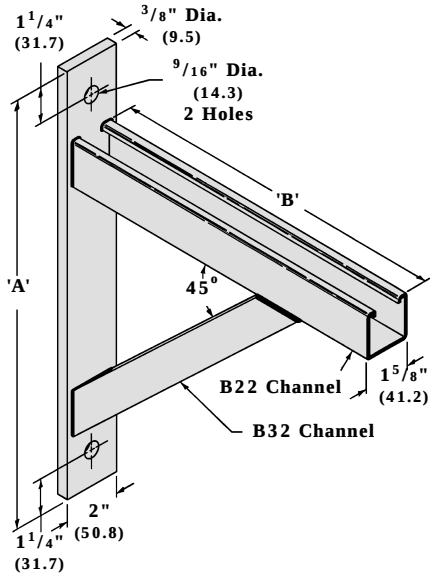
Standard Finish: Plain or Electro-Plated

Service: Designed for suspending light loads at fixed distances from walls or structures.

Ordering: Specify part number and finish.

Figure B3068 Light Duty Welded Bracket

Part No.	'A'		'B'		'C'		Steel Size		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3068-1	10"	(254.0)	6 1/2"	(165.1)	9"	(228.6)	1/4" x 1 1/2"	(6.3 x 38.1)	610	(2.71)	284	(128.8)
B3068-2	14"	(355.6)	10 1/2"	(266.7)	13"	(330.2)	1/4" x 1 1/2"	(6.3 x 38.1)	610	(2.71)	429	(194.6)
B3068-3	20"	(508.0)	16 1/2"	(419.1)	19"	(482.6)	3/8" x 2"	(9.5 x 50.8)	610	(2.71)	1279	(580.1)



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for supporting pipe from walls or structures where lateral adjustment is required.

Ordering: Specify part number and finish.

Figure B3064 Adjustable Strut Bracket

Part No.	'A'		'B'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3064-1	15"	(381.0)	12"	(304.8)	1200	(5.34)	660	(299.4)
B3064-2	21"	(533.4)	18"	(457.2)	800	(3.56)	1004	(455.4)
B3064-3	27"	(685.8)	24"	(609.6)	600	(2.67)	1346	(610.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending medium loads at fixed distances from walls or structures.

Ordering: Specify part number and finish.

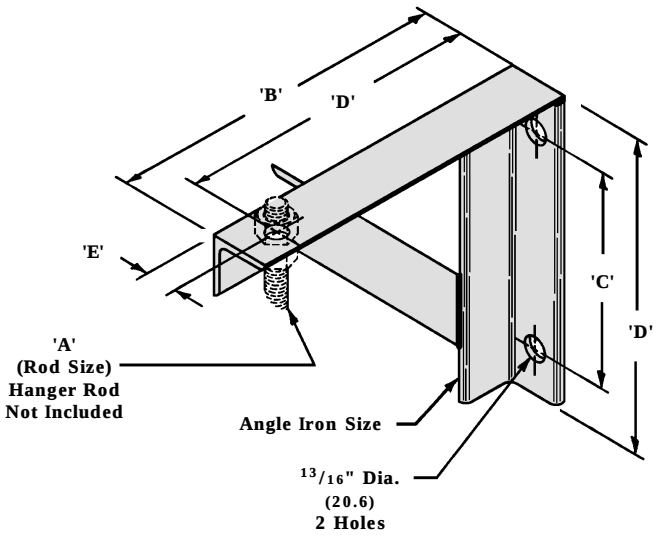
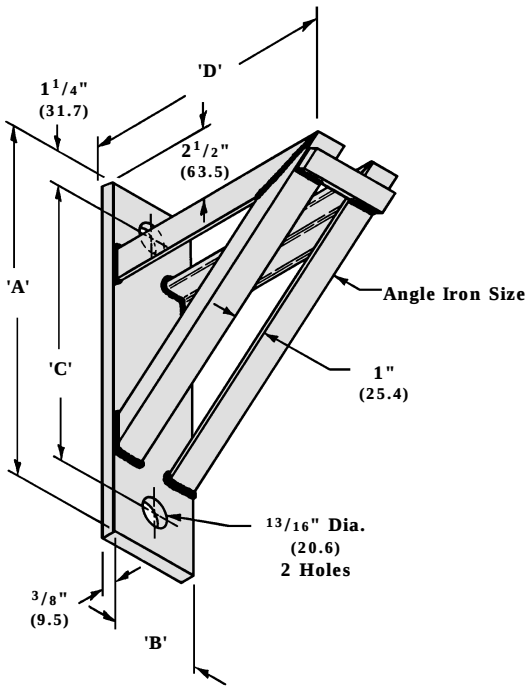


Figure B3065 Angle Iron Bracket

Part No.	For Rod Size 'A'	'B'		'C'		'D'		'E'	
B3065-1	5/8"-11	11 1/4"	(285.7)	7"	(177.8)	10"	(254.0)	1 1/8"	(28.6)
B3065-2	5/8"-11	13 1/4"	(336.5)	9"	(228.6)	12"	(304.8)	1 1/8"	(28.6)
B3065-3	3/4"-9	15 1/4"	(387.3)	11"	(279.4)	14"	(355.6)	1 3/8"	(34.9)
B3065-4	1"-8	19 3/4"	(501.6)	15"	(381.0)	18"	(457.2)	1 3/4"	(44.4)

Part No.	Angle Iron Size		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3065-1	1/4" x 2" x 2"	(6.3 x 50.8 x 50.8)	1200	(5.34)	793	(359.7)
B3065-2	1/4" x 2" x 2"	(6.3 x 50.8 x 50.8)	1200	(5.34)	974	(441.8)
B3065-3	1/4" x 2 1/2" x 2 1/2"	(6.3 x 63.5 x 63.5)	1200	(5.34)	1480	(671.3)
B3065-4	1/4" x 3" x 3"	(6.3 x 76.2 x 76.2)	1200	(5.34)	2343	(1062.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel; (Stainless Steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending pipe loads under 1500 Lbs. (6.67 kN) from walls or structures.

Ordering: Specify part number and finish.

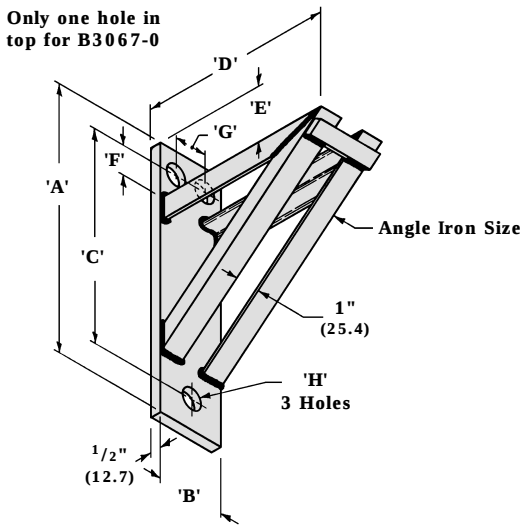
Approvals: Complies with Federal Specification WW-H-171E Type 33 and Manufacturers' Standardization Society SP-69 & SP-58 Type 32.

Figure B3066 Medium Duty Angle Bracket

Part No.	'A'		'B'		'C'		'D'	
B3066-0	18"	(457.2)	4"	(101.6)	15 1/2"	(393.7)	12"	(304.8)
B3066-1	24"	(609.6)	4 1/2"	(114.3)	21 1/2"	(546.1)	18"	(457.2)
B3066-2	30"	(762.0)	5"	(127.0)	27 1/2"	(698.5)	24"	(609.6)

Part No.	Angle Iron Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3066-0	3/16" x 1 1/2" x 1 1/2"	(4.8 x 38.1 x 38.1)	1500	(6.67)	1645	(746.2)
B3066-1	3/16" x 1 3/4" x 1 3/4"	(4.8 x 44.4 x 44.4)	1500	(6.67)	2696	(1222.9)
B3066-2	1/4" x 2" x 2"	(6.3 x 50.8 x 50.8)	1500	(6.67)	4642	(2105.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for suspending pipe loads under 3000 Lbs. (13.34kN) from walls or structures.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 34 and Manufacturers' Standardization Society SP-69 & SP-58 Type 33.

Figure B3067 Heavy Duty Angle Bracket

Part No.	'A'		'B'		'C'		'D'		'E'	
B3067-0	18"	(457.2)	4"	(101.6)	15 1/4"	(387.3)	12"	(304.8)	2 3/4"	(69.8)
B3067-1	24"	(609.6)	5"	(127.0)	21 3/8"	(542.9)	18"	(457.2)	2 3/4"	(69.8)
B3067-2	30"	(762.0)	5"	(127.0)	27 1/2"	(698.5)	24"	(609.6)	2 3/4"	(69.8)
B3067-3	36"	(914.4)	5"	(127.0)	33 1/4"	(844.5)	30"	(762.0)	3"	(76.2)
B3067-4	42"	(1066.8)	6"	(152.4)	39"	(990.6)	36"	(914.4)	3"	(76.2)
B3067-5	50"	(1270.0)	6"	(152.4)	46"	(1168.4)	42"	(1066.8)	3 1/2"	(88.9)

Part No.	'F'		'G'		'H'		Angle Iron Size		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3067-0	1 3/8"	(34.9)	-	-	13/16"	(20.6)	1/4" x 1 1/2" x 2"	(4.8 x 38.1 x 50.8)	3000	(13.34)	2285	(1036.5)
B3067-1	1 7/16"	(36.5)	2 3/4"	(69.8)	15/16"	(23.8)	3/8" x 2" x 2"	(9.5 x 50.8 x 50.8)	3000	(13.34)	4895	(2220.4)
B3067-2	1 1/2"	(38.1)	2 1/2"	(63.5)	1 1/16"	(27.0)	5/16" x 2" x 2 1/2"	(7.9 x 50.8 x 63.5)	3000	(13.34)	6212	(2817.7)
B3067-3	1 5/8"	(41.3)	2 1/2"	(63.5)	1 1/16"	(27.0)	5/16" x 2" x 2 1/2"	(7.9 x 50.8 x 63.5)	3000	(13.34)	7724	(3503.6)
B3067-4	1 1/2"	(38.1)	3 1/2"	(88.9)	1 1/16"	(27.0)	3/8" x 2 1/2"x 3 1/2"	(9.5 x 63.5 x 88.9)	3000	(13.34)	13307	(6036.0)
B3067-5	1 1/2"	(38.1)	3 1/2"	(88.9)	1 1/16"	(27.0)	3/8" x 2 1/2"x 3 1/2"	(9.5 x 63.5 x 88.9)	3000	(13.34)	15712	(7126.9)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

UPPER ATTACHMENTS

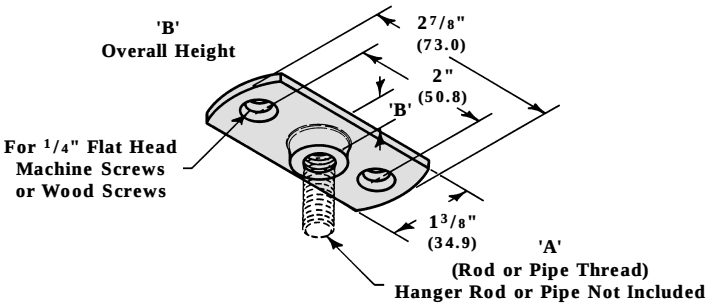
Upper attachments offered in this section are designed to suspend hanger rods from beams, concrete, and other structural surfaces by bolting or welding.

Materials
Carbon Steel and Malleable Iron are used in the manufacturing of upper attachments and provide the high strength properties required. Stainless Steel and other materials are available.

Finishes
The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating, Dura-Green® and other special coatings are available upon request.
Note: Due to the design of some products, (threads, connecting hardware, swivels, etc.) items may or may not be uniformly coated with special finishes. In some cases, the hanger itself may be coated, however, the hardware may be supplied Electro-Plated, copper plated, or in stainless steel.

Approvals (as noted)
Items in this section comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 & SP-58.

B-Line®

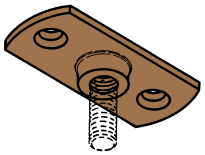


Material: Malleable Iron or Steel (Stainless Steel Type 304 available)

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger or support rod to beams, ceilings, or walls.

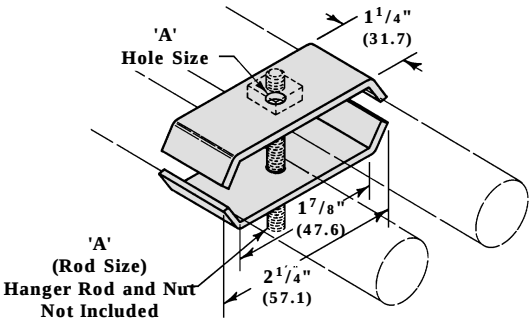
Ordering: Specify part number and finish.



B3199CT

Figure B3199 Ceiling Flange
(Available with Dura-Copper finish as B3199CT-Size)

Part No.		Thread Size 'A' Rod	Thread Size 'A' Pipe	'B'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3199P-1/4	--	--	1/4"-18	1/2"	(12.7)	180	(.80)	17	(7.7)
B3199R-3/8	B3199CT-3/8	3/8"-16	--	7/16"	(11.1)	180	(.80)	13	(5.9)
B3199R-1/2	B3199CT-1/2	1/2"-13	--	1/2"	(12.7)	180	(.80)	17	(7.7)



Material: Steel

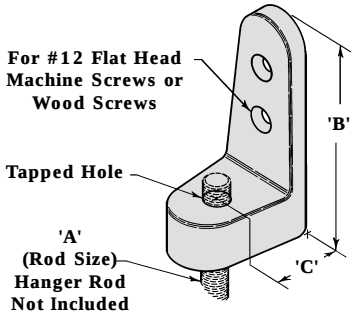
Standard Finish: Plain, Electro-Plated or Hot Dipped Galvanized

Service: Designed for fastening pipe clamps, fixtures, and outlet boxes to the bottom of a bar joist.

Ordering: Specify part number and finish.

Figure B3059 Bar Joist Washer

Part No.	For Rod Size	Hole Size 'A'		Steel Size		Wt./C Lbs.	Wt./C kg
B3059-1/4	1/4"-20	5/16"	(7.9)	16 Ga. x 1 1/4"	(1.5 x 31.7)	5	(2.2)
B3059-3/8	3/8"-16	7/16"	(11.1)	16 Ga. x 1 1/4"	(1.5 x 31.7)	5	(2.2)



Material: Malleable Iron

Standard Finish: Plain

Service: Designed for attaching hanger rod to the side of beams or walls.

Weight: Wt./C 12 Lbs. (5.4 kg)

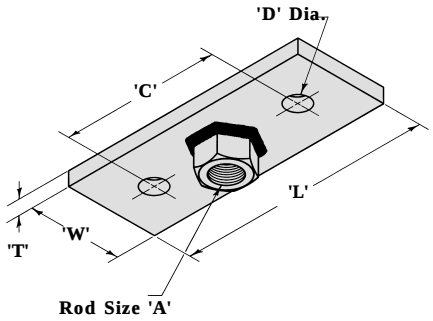
Ordering: Specify part number and finish.

Figure B3058 Side Beam Connector

Part No.	Rod Size 'A'	'B'		'C'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3058-3/8	3/8"-16	2 3/8"	(60.3)	9/16"	(14.3)	250	(1.11)	13	(5.9)
B3058-1/2	1/2"-13	2 3/4"	(69.8)	3/4"	(19.0)	480	(2.13)	25	(11.3)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

UPPER ATTACHMENTS



Material: Steel

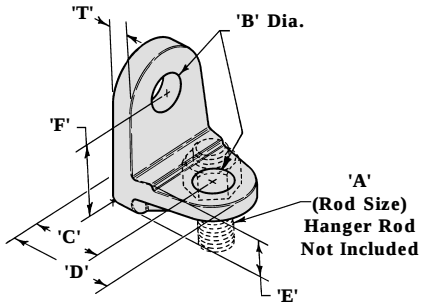
Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger or support rod to beam, ceiling or strut channel.

Ordering: Specify part number, size and finish.

Figure B3087 Heavy Duty Ceiling Flange

Part No.	Rod Size 'A'	'L'		'W'		'T'		'D'		'C'		Design Load Lbs.	kN
B3087-5/8	5/8"-11	6"	(152.4)	2"	(50.8)	3/8"	(9.5)	9/16"	(14.3)	4"	(101.6)	1810	(8.05)
B3087-3/4	3/4"-10	6"	(152.4)	2"	(50.8)	3/8"	(9.5)	11/16"	(17.4)	4"	(101.6)	2710	(12.05)
B3087-7/8	7/8"-9	8"	(203.2)	3"	(76.2)	1/2"	(12.7)	13/16"	(20.6)	5"	(127.0)	3770	(16.77)
B3087-1	1"-8	8"	(203.2)	3"	(76.2)	1/2"	(12.7)	15/16"	(23.8)	5"	(127.0)	4960	(22.06)



Material: Malleable Iron

Standard Finish: Plain

Service: Designed for attaching hanger rod to the side of beams or walls.

Ordering: Specify part number and finish.

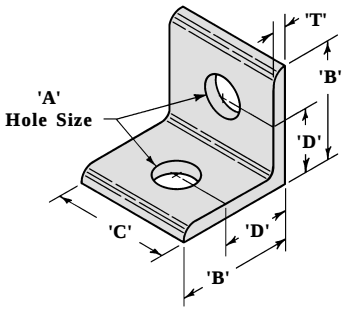
Approvals: Complies with Federal Specification WW-H-171E Type 35 and Manufacturers' Standardization Society SP-69 & SP-58 Type 34.

Figure B3062 Side Beam Bracket

Part No.	Rod Size 'A'	For Nominal Pipe Sizes		Design Load With Lag Screw Lbs.	kN	With Bolt To Steel Lbs.	kN	Wt./C Lbs.	kg
B3062-3/8	3/8"-16	3/4"-2"	(20-50)	390	(1.73)	610	(2.71)	21	(9.5)
B3062-1/2	1/2"-13	2 1/2"-3 1/2"	(65-95)	640	(2.84)	1130	(5.02)	44	(19.9)
B3062-5/8	5/8"-11	4"-5"	(100-125)	760	(3.38)	1810	(8.05)	81	(36.7)
B3062-3/4	3/4"-10	6"	(150)	830	(3.69)	2710	(12.05)	146	(66.2)
B3062-7/8	7/8"-9	8"-12"	(200-300)	830	(3.69)	3770	(16.77)	252	(114.3)

Part No.	'B'		'C'		'D'		'E'		'F'		'T'	
B3062-3/8	7/16"	(11.1)	7/8"	(22.2)	1 3/8"	(34.9)	5/8"	(15.9)	1 7/16"	(36.5)	1/4"	(6.3)
B3062-1/2	9/16"	(14.3)	1 3/16"	(30.2)	1 13/16"	(46.0)	3/4"	(19.0)	1 7/8"	(47.6)	11/32"	(8.7)
B3062-5/8	3/4"	(19.0)	1 7/16"	(36.5)	2 3/16"	(55.6)	7/8"	(22.2)	2 1/8"	(54.0)	7/16"	(11.1)
B3062-3/4	7/8"	(22.2)	1 11/16"	(42.9)	2 9/16"	(65.1)	1"	(25.4)	2 1/2"	(63.5)	1/2"	(12.7)
B3062-7/8	1"	(25.4)	2"	(50.4)	3"	(76.2)	1 3/16"	(30.2)	3"	(76.2)	19/32"	(15.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel (Stainless steel available)

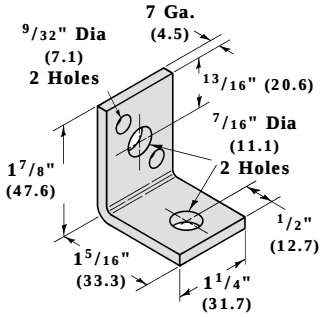
Standard Finish: Plain or Electro-Plated

Service: Designed for attaching a hanger rod to to the side of beams or walls.

Ordering: Specify part number and finish.

Figure B3060 Side Beam Angle Clip

Part No.	Hole Size 'A'		'B'		'C'		'D'		'T'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3060-3/8	7/16"	(11.1)	2 3/16"	(55.6)	2"	(50.8)	1 1/4"	(31.7)	1/4"	(6.3)	305	(1.35)	53	(24.0)
B3060-1/2	9/16"	(14.3)	2 3/16"	(55.6)	2"	(50.8)	1 1/4"	(31.7)	1/4"	(6.3)	565	(2.51)	51	(23.1)
B3060-5/8	11/16"	(17.5)	2 3/16"	(55.6)	2"	(50.8)	1 1/4"	(31.7)	1/4"	(6.3)	909	(4.02)	48	(21.8)
B3060-3/4	13/16"	(20.6)	3"	(76.2)	3"	(76.2)	1 3/4"	(44.4)	3/8"	(9.5)	1355	(6.03)	169	(74.8)
B3060-7/8	15/16"	(23.8)	4"	(101.6)	4"	(101.6)	2 1/2"	(63.5)	3/8"	(9.5)	1870	(8.32)	312	(141.5)
B3060-1	1 1/16"	(27.0)	4"	(101.6)	4"	(101.6)	2 1/2"	(63.5)	1/2"	(12.7)	2480	(11.03)	402	(182.3)



Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

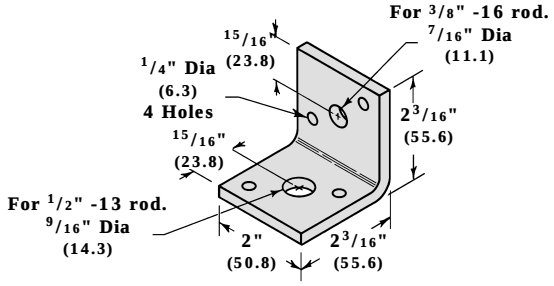
Service: Designed for attaching a hanger rod to the side of beams or walls.

Design Load: 300 Lbs. (1.33kN)

Weight: Wt./C 15 Lbs. (6.8 kg)

Ordering: Specify part number and finish.

Figure B3060L Light Duty Angle Clip



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for for attaching hanger rod to the side of beams or walls.

Design Load: 500 Lbs. (2.22 kN) when installed in either direction.

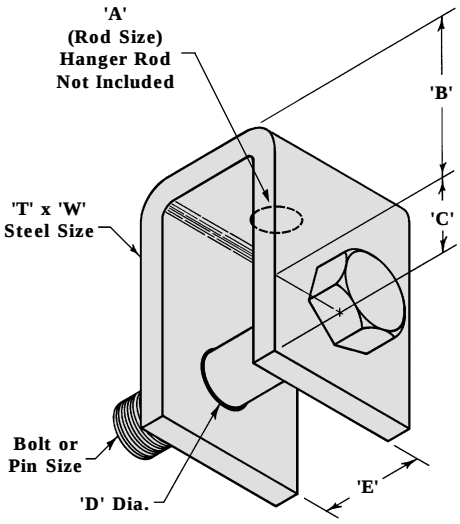
Weight: Wt./C 49 Lbs. (22.2 kg)

Ordering: Specify part number and finish.

Figure B3070 Reversible Angle Clip

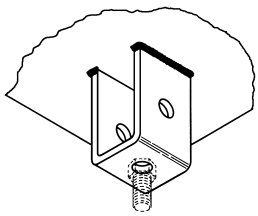
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

UPPER ATTACHMENTS



'B'
Center of cross bolt to bottom of attachment.

'C'
Center of cross bolt to top of attachment.



Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching hanger rod to the bottom of structural steel where heavy loads and large hanger rod sizes are required. Can be welded in place in either the upright or inverted position.

Ordering: Specify part number (with or without hardware) and finish.

Note: When ordering with hardware for sizes 3/8 thru 1 1/8, Hex Head Cap Screws and Hex Nuts will be supplied. For 1 1/4 thru 2, Clevis Pin and Cotter Pins will be supplied. Must be specified with or without hardware.

Approvals: Complies with Federal Specification WW-H-171E Type 22 and Manufacturers' Standardization Society SP-69 & SP-58 Type 22.

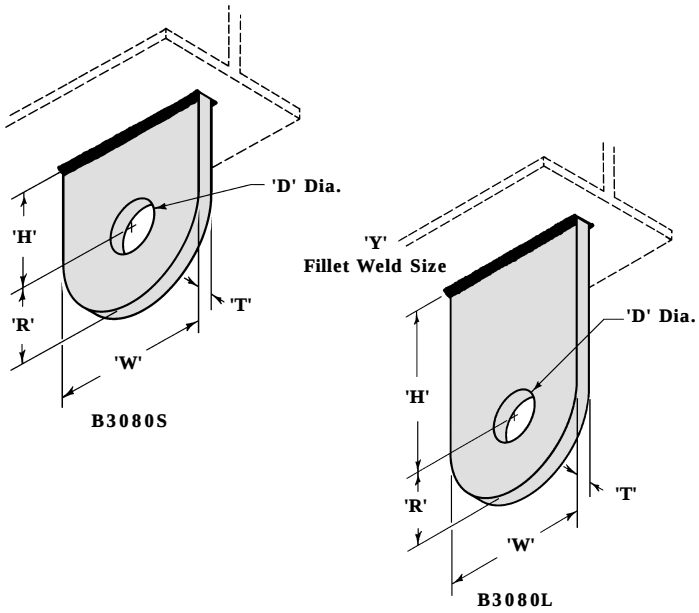
Figure B3083 Welded Beam Attachment

(Available without hardware as B3083WO-Size)

Part No.	Rod Size 'A'	Pin or Bolt Size		Design Load 650°F (349°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C W/O Hardware Lbs.	kg	With Hardware Lbs.	kg
B3083-3/8	3/8"-16	1/2"	(12.7)	610	(2.71)	510	(2.27)	89	(40.3)	110	(49.9)
B3083-1/2	1/2"-13	5/8"	(15.9)	1130	(5.02)	940	(4.18)	87	(39.4)	123	(55.8)
B3083-5/8	5/8"-11	3/4"	(19.0)	1810	(8.05)	1510	(6.71)	84	(38.1)	140	(63.5)
B3083-3/4	3/4"-10	7/8"	(22.2)	2710	(12.05)	2260	(10.05)	173	(78.4)	268	(121.5)
B3083-7/8	7/8"-9	1"	(25.4)	3770	(16.77)	3150	(14.01)	234	(106.1)	376	(170.4)
B3083-1	1"-8	1 1/8"	(28.6)	4960	(22.06)	4150	(18.46)	394	(178.6)	596	(270.2)
B3083-1 1/8	1 1/8"-7	1 1/4"	(31.7)	6230	(27.71)	5200	(23.13)	402	(182.2)	680	(308.3)
B3083-1 1/4	1 1/4"-7	1 3/8"	(34.9)	8000	(35.58)	6660	(29.62)	734	(332.7)	955	(432.9)
B3083-1 1/2	1 1/2"-6	1 5/8"	(41.3)	11630	(51.73)	9700	(43.14)	1460	(661.8)	1817	(823.7)
B3083-1 3/4	1 3/4"-5	1 7/8"	(47.6)	15700	(69.83)	14000	(62.27)	1746	(791.5)	2310	(1047.1)
B3083-2	2"-4 1/2	2 1/4"	(57.1)	20700	(92.07)	18460	(82.11)	2190	(992.7)	2996	(1358.1)

Part No.	'B'		'C'		Dia. 'D'		'E'		'T' x 'W'	
B3083-3/8	2"	(50.8)	7/8"	(22.2)	9/16"	(14.3)	1 1/4"	(31.7)	1/4" x 2"	(6.3 x 50.8)
B3083-1/2	2"	(50.8)	7/8"	(22.2)	11/16"	(17.5)	1 1/4"	(31.7)	1/4" x 2"	(6.3 x 50.8)
B3083-5/8	2"	(50.8)	7/8"	(22.2)	13/16"	(20.6)	1 1/4"	(31.7)	1/4" x 2"	(6.3 x 50.8)
B3083-3/4	2"	(50.8)	1 1/8"	(28.6)	15/16"	(23.8)	1 1/2"	(38.1)	3/8" x 2 1/2"	(9.5 x 63.5)
B3083-7/8	3"	(76.2)	1 1/4"	(31.7)	1 1/8"	(28.6)	2"	(50.8)	3/8" x 2 1/2"	(9.5 x 63.5)
B3083-1	3"	(76.2)	1 1/2"	(38.1)	1 1/4"	(31.7)	2"	(50.8)	1/2" x 3"	(12.7 x 76.2)
B3083-1 1/8	3"	(76.2)	1 3/4"	(44.4)	1 3/8"	(34.9)	2 1/4"	(57.1)	1/2" x 3"	(12.7 x 76.2)
B3083-1 1/4	3"	(76.2)	2"	(50.8)	1 1/2"	(38.1)	2 1/2"	(63.5)	5/8" x 4"	(15.9 x 101.6)
B3083-1 1/2	4"	(101.6)	2 1/2"	(63.5)	1 3/4"	(44.4)	3"	(76.2)	3/4" x 5"	(19.0 x 127.0)
B3083-1 3/4	5 1/4"	(133.3)	2"	(50.8)	2"	(50.8)	3 3/4"	(95.2)	3/4" x 5"	(19.0 x 127.0)
B3083-2	5 1/4"	(133.3)	3"	(76.2)	2 3/8"	(60.3)	3 3/4"	(95.2)	3/4" x 6"	(19.0 x 152.4)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Plain

Service: Designed for attachment to structural steel. Use with B3201 Forged Steel Clevis.

Ordering: Specify part number and finish.

Approvals: Complies with Manufacturers' Standardization Society SP-69 & SP-58 Type 57.

Figure B3080S (Short) Structural Welding Lug
Figure B3080L (Long) Structural Welding Lug

Part No. Short	Part No. Long	For Hanger	Pin or Bolt Size		Design Load Lbs.	Design Load kN	Wt./C Short Lbs.	Wt./C Short kg	Wt./C Long Lbs.	Wt./C Long kg
B3080S-1/2	B3080L-1/2	1/2"-13	5/8"	(15.9)	1130	(5.02)	44	(19.9)	71	(32.2)
B3080S-5/8	B3080L-5/8	5/8"-11	3/4"	(19.0)	1810	(8.05)	44	(19.9)	68	(30.8)
B3080S-3/4	B3080L-3/4	3/4"-10	7/8"	(22.0)	2710	(12.05)	63	(28.6)	100	(45.3)
B3080S-7/8	B3080L-7/8	7/8"-9	1"	(25.4)	3770	(16.77)	71	(32.2)	100	(45.3)
B3080S-1	B3080L-1	1"-8	1 1/8"	(28.6)	4960	(22.06)	126	(57.1)	169	(76.6)
B3080S-1 1/8	B3080L-1 1/8	1 1/8"-7	1 1/4"	(31.7)	6230	(27.71)	166	(75.3)	208	(94.3)
B3080S-1 1/4	B3080L-1 1/4	1 1/4"-7	1 3/8"	(38.1)	8000	(35.58)	310	(140.6)	381	(172.8)
B3080S-1 1/2	B3080L-1 1/2	1 1/2"-6	1 5/8"	(41.3)	11630	(51.73)	503	(228.1)	662	(300.3)
B3080S-1 3/4	B3080L-1 3/4	1 3/4"-5	1 7/8"	(47.6)	15700	(69.83)	487	(220.9)	646	(293.0)
B3080S-2	B3080L-2	2"-4 1/2	2 1/4"	(57.1)	20630	(91.76)	744	(337.5)	808	(366.5)

Part No. Short	Part No. Long	Hole Dia. 'D'		'H' Short		'H' Long		'R'		'T'		'W'		'Y'	
B3080S-1/2	B3080L-1/2	11/16"	(17.5)	1 1/2"	(38.1)	3"	(76.2)	1 1/4"	(31.7)	1/4"	(6.3)	2 1/2"	(63.5)	1/4"	(6.3)
B3080S-5/8	B3080L-5/8	13/16"	(20.6)	1 1/2"	(38.1)	3"	(76.2)	1 1/4"	(31.7)	1/4"	(6.3)	2 1/2"	(63.5)	1/4"	(6.3)
B3080S-3/4	B3080L-3/4	15/16"	(23.8)	1 1/2"	(38.1)	3"	(76.2)	1 1/4"	(31.7)	3/8"	(9.5)	2 1/2"	(63.5)	1/4"	(6.3)
B3080S-7/8	B3080L-7/8	1 1/8"	(28.6)	2"	(50.8)	3"	(76.2)	1 1/4"	(31.7)	3/8"	(9.5)	2 1/2"	(63.5)	1/4"	(6.3)
B3080S-1	B3080L-1	1 1/4"	(31.7)	2"	(50.8)	3"	(76.2)	1 1/2"	(38.1)	1/2"	(12.7)	3"	(76.2)	1/4"	(6.3)
B3080S-1 1/8	B3080L-1 1/8	1 3/8"	(34.9)	3"	(76.2)	4"	(101.6)	1 1/2"	(38.1)	1/2"	(12.7)	3"	(76.2)	1/4"	(6.3)
B3080S-1 1/4	B3080L-1 1/4	1 1/2"	(38.1)	3"	(76.2)	4"	(101.6)	2"	(50.8)	5/8"	(15.9)	4"	(101.6)	1/4"	(6.3)
B3080S-1 1/2	B3080L-1 1/2	1 3/4"	(44.4)	3"	(76.2)	4 1/2"	(114.3)	2 1/2"	(63.5)	3/4"	(19.0)	5"	(127.0)	3/8"	(9.5)
B3080S-1 3/4	B3080L-1 3/4	2"	(50.8)	3"	(76.2)	4 1/2"	(114.3)	2 1/2"	(63.5)	3/4"	(19.0)	5"	(127.0)	3/8"	(9.5)
B3080S-2	B3080L-2	2 3/8"	(60.3)	4"	(101.6)	4 1/2"	(114.3)	3"	(76.2)	3/4"	(19.0)	6"	(152.4)	3/8"	(9.5)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

UPPER ATTACHMENTS

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for attaching hanger rod to a concrete ceiling. Allows for vertical adjustment of hanger rod.

Ordering: Specify part number and finish.

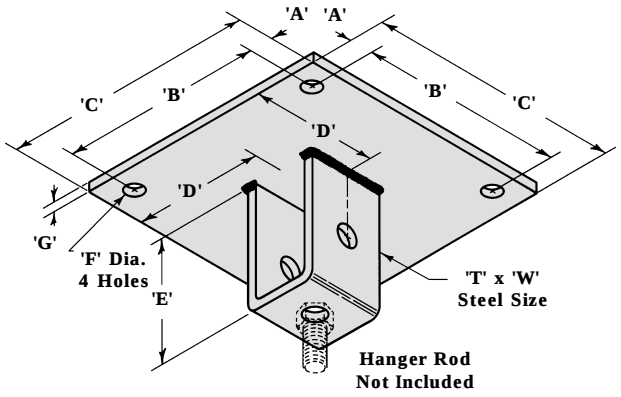
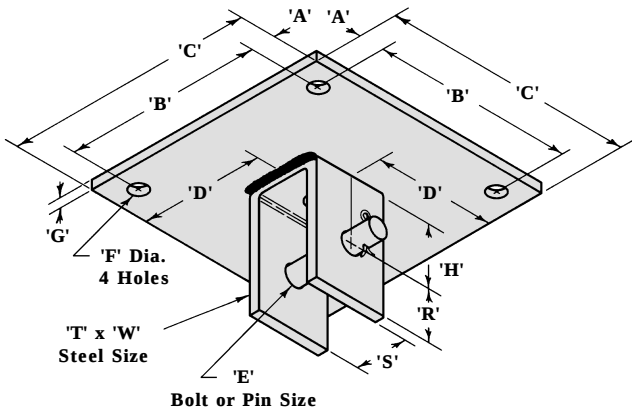


Figure B3085 Rod Attachment Concrete Plate

Part No.	Rod Size	'A'		'B'		'C'		'D'		'E'	
B3085-3/8	3/8"-16	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	2 7/8"	(73.0)
B3085-1/2	1/2"-13	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	2 7/8"	(73.0)
B3085-5/8	5/8"-11	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	2 7/8"	(73.0)
B3085-3/4	3/4"-10	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	3 1/8"	(79.4)
B3085-7/8	7/8"-9	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	4 1/4"	(79.4)
B3085-1	1"-8	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	4 1/2"	(114.3)
B3085-1 1/8	1 1/8"-7	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	4 3/4"	(120.6)
B3085-1 1/4	1 1/4"-7	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	5"	(127.0)
B3085-1 1/2	1 1/2"-6	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	6 1/2"	(165.1)

Part No.	'F'		'G'		'T' x 'W'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kN
B3085-3/8	9/16"	(14.3)	3/8"	(9.5)	1/4" x 2"	(6.3 x 50.8)	610	(2.71)	1145	(519.4)
B3085-1/2	9/16"	(14.3)	3/8"	(9.5)	1/4" x 2"	(6.3 x 50.8)	1130	(5.02)	1143	(518.4)
B3085-5/8	9/16"	(14.3)	1/2"	(12.7)	1/4" x 2"	(6.3 x 50.8)	1810	(8.05)	1490	(675.8)
B3085-3/4	11/16"	(17.5)	1/2"	(12.7)	3/8" x 2 1/2"	(9.5 x 63.5)	2710	(12.05)	1574	(713.9)
B3085-7/8	11/16"	(17.5)	1/2"	(12.7)	3/8" x 2 1/2"	(9.5 x 63.5)	3770	(16.76)	1635	(741.6)
B3085-1	13/16"	(20.6)	3/4"	(19.0)	1/2" x 3"	(12.7 x 76.2)	4960	(22.06)	3420	(1551.3)
B3085-1 1/8	15/16"	(23.8)	3/4"	(19.0)	1/2" x 3"	(12.7 x 76.2)	6230	(27.71)	3413	(1548.1)
B3085-1 1/4	15/16"	(23.8)	3/4"	(19.0)	5/8" x 4"	(15.9 x 101.6)	8000	(35.58)	3747	(1699.6)
B3085-1 1/2	1 1/8"	(28.6)	1"	(25.4)	3/4" x 5"	(19.0 x 127.0)	11630	(51.73)	5438	(2466.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for attachment to concrete ceilings. Use with B3210 or B3211 Welded Eye Rod or B3200 Weldless Eye Nut.

Ordering: Specify part number and finish. Note: Hardware for sizes 3/8 thru 1 1/8, Hex Head Cap Screws and Hex Nuts will be supplied. For 1 1/4 thru 2, Clevis Pin and Cotter Pins will be supplied.

Figure B3086 Clevis Concrete Plate

Part No.	For Hanger Rod Size	'A'		'B'		'C'		'D'		Bolt or Pin Size 'E'		'F'		'G'	
B3086-3/8	3/8"-16	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	1/2"	(12.7)	9/16"	(14.3)	3/8"	(9.5)
B3086-1/2	1/2"-13	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	5/8"	(15.9)	9/16"	(14.3)	3/8"	(9.5)
B3086-5/8	5/8"-11	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	3/4"	(19.0)	9/16"	(14.3)	1/2"	(12.7)
B3086-3/4	3/4"-10	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	7/8"	(22.2)	11/16"	(17.5)	1/2"	(12.7)
B3086-7/8	7/8"-9	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	1"	(25.4)	11/16"	(17.5)	1/2"	(12.7)
B3086-1	1"-8	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	1 1/8"	(28.6)	13/16"	(20.6)	3/4"	(19.0)
B3086-1 1/8	1 1/8"-7	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	1 1/4"	(31.7)	15/16"	(23.8)	3/4"	(19.0)
B3086-1 1/4	1 1/4"-7	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	1 3/8"	(34.9)	15/16"	(23.8)	3/4"	(19.0)
B3086-1 1/2	1 1/2"-6	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	1 5/8"	(41.3)	1 1/8"	(28.6)	1"	(25.4)

Part No.	'H'		'R'		Bolt or Pin Size 'U'		'T' x 'W'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3086-3/8	2"	(50.8)	7/8"	(22.2)	1 1/4"	(31.7)	1/4" x 2"	(6.3 x 50.8)	610	(2.71)	1165	(528.4)
B3086-1/2	2"	(50.8)	7/8"	(22.2)	1 1/4"	(31.7)	1/4" x 2"	(6.3 x 50.8)	1130	(5.03)	1178	(534.4)
B3086-5/8	2"	(50.8)	7/8"	(22.2)	1 1/4"	(31.7)	1/4" x 2"	(6.3 x 50.8)	1810	(8.05)	1546	(701.2)
B3086-3/4	2"	(50.8)	1 1/8"	(28.6)	1 1/2"	(38.1)	3/8" x 2 1/2"	(9.5 x 63.5)	2710	(12.05)	1673	(758.9)
B3086-7/8	3"	(76.2)	1 1/4"	(31.7)	2"	(50.8)	3/8" x 2 1/2"	(9.5 x 63.5)	3770	(16.77)	1783	(808.7)
B3086-1	3"	(76.2)	1 1/2"	(38.1)	2"	(50.8)	1/2" x 3"	(12.7 x 76.2)	4960	(22.06)	3636	(1649.3)
B3086-1 1/8	3"	(76.2)	1 3/4"	(44.4)	2 1/4"	(57.1)	1/2" x 3"	(12.7 x 76.2)	6230	(27.71)	3708	(1681.9)
B3086-1 1/4	3"	(76.2)	2"	(50.8)	2 1/2"	(63.5)	5/8" x 4"	(15.9 x 101.6)	8000	(35.58)	3986	(1808.0)
B3086-1 1/2	4"	(101.6)	2 1/2"	(63.5)	3"	(76.2)	3/4" x 5"	(19.0 x 127.0)	11630	(51.73)	5816	(2638.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for attachment to concrete ceilings. Use with B3201 Forged Steel Clevis.

Ordering: Specify part number and finish.

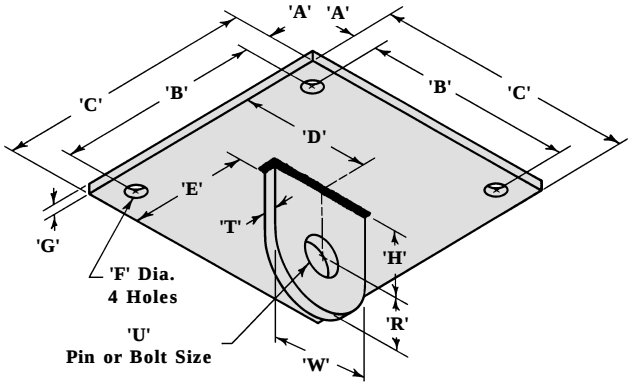


Figure B3084 Single Lug Concrete Plate

Part No.	For Hanger Rod Size	'A'		'B'		'C'		'D'		'E'		'F'		'G'	
B3084-1/2	1/2"-13	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	4 7/8"	(123.8)	9/16"	(14.3)	3/8"	(9.5)
B3084-5/8	5/8"-11	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	4 7/8"	(123.8)	9/16"	(14.3)	1/2"	(12.7)
B3084-3/4	3/4"-10	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	4 13/16"	(122.2)	11/16"	(17.5)	1/2"	(12.7)
B3084-7/8	7/8"-9	1"	(25.4)	8"	(203.2)	10"	(254.0)	5"	(127.0)	4 13/16"	(122.2)	11/16"	(17.5)	3/4"	(19.0)
B3084-1	1"-8	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	5 3/4"	(146.0)	13/16"	(20.6)	3/4"	(19.0)
B3084-1 1/8	1 1/8"-7	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	5 3/4"	(146.0)	15/16"	(23.8)	3/4"	(19.0)
B3084-1 1/4	1 1/4"-7	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	5 11/16"	(144.5)	15/16"	(23.8)	3/4"	(19.0)
B3084-1 1/2	1 1/2"-6	2"	(50.8)	8"	(203.2)	12"	(304.8)	6"	(152.4)	5 5/8"	(142.9)	1 1/8"	(28.6)	1"	(25.4)

Part No.	'H'		'R'		Bolt or Pin Size 'U'		'T' x 'W'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3084-1/2	1 1/2"	(38.1)	1 1/4"	(31.7)	5/8"	(15.9)	1/4" x 2 1/2"	(6.3 x 63.5)	1130	(5.02)	1096	(497.1)
B3084-5/8	1 1/2"	(38.1)	1 1/4"	(31.7)	3/4"	(19.0)	1/4" x 2 1/2"	(6.3 x 63.5)	1810	(8.05)	1447	(656.3)
B3084-3/4	1 1/2"	(38.1)	1 1/4"	(31.7)	7/8"	(22.2)	3/8" x 2 1/2"	(9.5 x 63.5)	2710	(12.05)	1459	(661.8)
B3084-7/8	2"	(50.8)	1 1/4"	(31.7)	1"	(25.4)	3/8" x 2 1/2"	(9.5 x 63.5)	3770	(16.77)	2166	(982.5)
B3084-1	2"	(50.8)	1 1/2"	(38.1)	1 1/8"	(28.6)	1/2" x 3"	(12.7 x 76.2)	4960	(22.06)	3145	(1426.6)
B3084-1 1/8	3"	(76.2)	1 1/2"	(38.1)	1 1/4"	(31.7)	1/2" x 3"	(12.7 x 76.2)	6230	(27.71)	3170	(1437.9)
B3084-1 1/4	3"	(76.2)	2"	(50.8)	1 3/8"	(34.9)	5/8" x 4"	(15.9 x 101.6)	8000	(35.58)	4312	(1955.9)
B3084-1 1/2	3"	(76.2)	2 1/2"	(63.5)	1 5/8"	(41.3)	3/4" x 5"	(19.0 x 127.0)	11630	(51.73)	4470	(2027.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel

Standard Finish: Plain

Service: Designed for attaching hanger rod to ceilings or bottom flange of beams. Allows for vertical adjustment of hanger rod.

Ordering: Specify part number and finish.

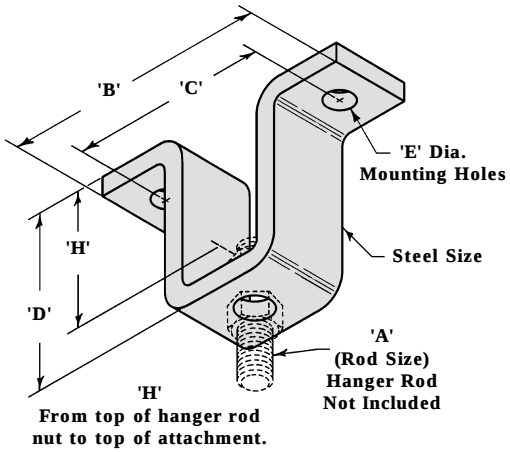


Figure B3082 Rod Beam Attachment

Part No.	Rod Size 'A'	Adjustment 'H'		Design Load With Lag Screws Lbs.	kN	With Bolts Lbs.	kN	Wt./C Lbs.	kg
B3082-3/8	3/8"-16	2 3/4"	(69.8)	425	(1.89)	610	(2.71)	64	(29.0)
B3082-1/2	1/2"-13	2 3/4"	(69.8)	715	(3.18)	1130	(5.02)	136	(61.7)
B3082-5/8	5/8"-11	2 11/16"	(68.3)	810	(3.60)	1810	(8.05)	176	(79.8)
B3082-3/4	3/4"-10	3 1/2"	(88.9)	1500	(6.67)	2710	(12.05)	269	(122.0)
B3082-7/8	7/8"-9	3 9/16"	(90.5)	1650	(7.34)	3770	(16.77)	393	(178.2)

Part No.	'B'		'C'		'D'		Steel Size		Dia. 'E'	
B3082-3/8	4"	(101.6)	3 1/8"	(79.4)	3 3/8"	(85.7)	1/4" x 1"	(6.3 x 25.4)	3/8"	(9.5)
B3082-1/2	5 3/8"	(136.5)	4 1/8"	(104.8)	3 5/8"	(92.1)	3/8" x 1 1/4"	(9.5 x 31.7)	1/2"	(12.7)
B3082-5/8	6"	(152.4)	4 1/2"	(114.3)	3 11/16"	(93.7)	3/8" x 1 1/2"	(9.5 x 38.1)	9/16"	(14.3)
B3082-3/4	6 5/8"	(168.3)	4 3/4"	(117.5)	4 3/4"	(120.6)	1/2" x 1 1/2"	(12.7 x 38.1)	11/16"	(17.5)
B3082-7/8	7"	(184.1)	5"	(133.3)	4 15/16"	(125.4)	1/2" x 2"	(12.7 x 50.8)	13/16"	(20.6)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

THREADED ACCESSORIES

Threaded accessories offered in this section are designed to reduce installation time. A wide range of types and sizes are available for various applications.

Materials

For maximum loading design, Carbon Steel, Forged Steel, and Malleable Iron are used in the manufacturing of threaded accessories. Stainless Steel and other materials are available.

Finishes

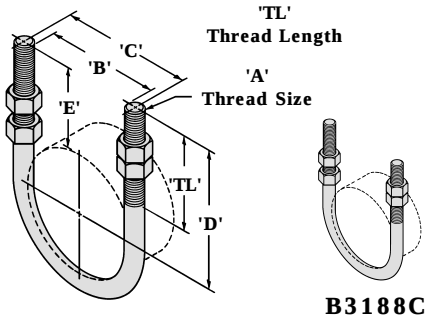
The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Plated Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Dura-Green® and other special coatings are available upon request.

Approvals (as noted)

Items in this section are Underwriters' Laboratories Listed, Factory Mutual Approved, comply with Federal Specification WW-H-171E or Manufacturers' Standardization Society MSS SP-69 SP-58.

Hex Nuts Included

B3188NS - Non-standard (NS) U-bolts are available upon request. Specify dimensions other than standard.
B3188DI - For Ductile Iron Pipe.



B3188C

Material: Steel (Stainless steel available)

Standard Finish: Plain or Electro-Plated

Service: Designed as a support, guide, or anchor for pipe.

Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved for 3/4" (20) thru 12" (300). Complies with Federal Specification WW-H-171E Type 24 and Manufacturers' Standardization Society SP-69 & SP-58 Type 24.

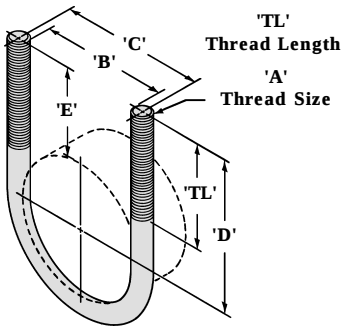
Figure B3188 Standard U-Bolt
(Available with plastic coating as B3188C-size)

Part No.	Nominal Pipe Size		Thread Size 'A'	Thread Length 'TL'		'B'		'C'	
B3188-1/2	1/2"	(15)	1/4"-20	2 1/8"	(54.0)	15/16"	(23.8)	1 3/16"	(30.2)
B3188-3/4	3/4"	(20)	1/4"-20	2 1/8"	(54.0)	1 1/8"	(28.6)	1 3/8"	(34.9)
B3188-1	1"	(25)	1/4"-20	2 1/8"	(54.0)	1 3/8"	(34.9)	1 5/8"	(41.3)
B3188-1 1/4	1 1/4"	(32)	3/8"-16	2 1/8"	(54.0)	1 11/16"	(42.9)	2 3/32"	(53.2)
B3188-1 1/2	1 1/2"	(40)	3/8"-16	2 1/2"	(63.5)	2"	(50.8)	2 3/8"	(60.3)
B3188-2	2"	(50)	3/8"-16	2 1/2"	(63.5)	2 7/16"	(61.9)	2 13/16"	(71.4)
B3188-2 1/2	2 1/2"	(65)	1/2"-13	3"	(76.2)	2 15/16"	(74.6)	3 7/16"	(87.3)
B3188-3	3"	(80)	1/2"-13	3"	(76.2)	3 9/16"	(90.5)	4 1/16"	(103.2)
B3188-3 1/2	3 1/2"	(90)	1/2"-13	3"	(76.2)	4 1/16"	(103.2)	4 9/16"	(115.9)
B3188-4	4"	(100)	1/2"-13	3"	(76.2)	4 9/16"	(115.9)	5 1/16"	(128.6)
B3188-5	5"	(125)	1/2"-13	3"	(76.2)	5 21/32"	(143.6)	6 5/32"	(156.3)
B3188-6	6"	(150)	5/8"-11	3 3/4"	(95.2)	6 3/4"	(171.4)	7 3/8"	(187.3)
B3188-8	8"	(200)	5/8"-11	3 3/4"	(95.2)	8 3/4 "	(222.2)	9 3/8"	(238.1)
B3188-10	10"	(250)	3/4"-10	4"	(101.6)	10 7/8"	(276.2)	11 5/8"	(295.3)
B3188-12	12"	(300)	7/8"-9	4 1/4"	(107.9)	12 7/8"	(327.0)	13 3/4"	(349.2)
B3188-14	14"	(350)	7/8"-9	4 1/4"	(107.9)	14 1/8"	(358.8)	15"	(381.0)
B3188-16	16"	(400)	7/8"-9	4 1/4"	(107.9)	16 1/8"	(409.6)	17"	(431.8)
B3188-18	18"	(450)	1"-8	4 3/4"	(120.6)	18 1/8"	(460.4)	19 1/8"	(485.8)
B3188-20	20"	(500)	1"-8	4 3/4"	(120.6)	20 1/8"	(511.2)	21 1/8"	(536.6)
B3188-24	24"	(600)	1"-8	4 3/4"	(120.6)	24 1/8"	(612.8)	25 1/8"	(638.2)
B3188-30	30"	(750)	1"-8	4 3/4"	(120.6)	30 1/8"	(765.2)	31 1/8"	(790.6)

Part No.	Tangent 'D'		'E'		Design Load 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C Lbs.	kg
B3188-1/2	2 3/4"	(69.8)	2 5/16"	(58.7)	485	(2.16)	435	(1.93)	10	(4.5)
B3188-3/4	2 3/4"	(69.8)	2 7/32"	(56.3)	485	(2.16)	435	(1.93)	11	(5.0)
B3188-1	2 3/4"	(69.8)	2 3/32"	(53.2)	485	(2.16)	435	(1.93)	11	(5.0)
B3188-1 1/4	2 7/8"	(73.0)	2 1/32"	(51.6)	1220	(5.42)	1090	(4.85)	28	(12.7)
B3188-1 1/2	3"	(76.2)	2 1/16"	(52.4)	1220	(5.42)	1090	(4.85)	29	(13.1)
B3188-2	3 1/4"	(82.5)	2 1/16"	(52.4)	1220	(5.42)	1090	(4.85)	31	(14.0)
B3188-2 1/2	3 3/4"	(95.2)	2 5/16"	(58.7)	2260	(10.05)	2020	(8.98)	72	(32.6)
B3188-3	4"	(101.6)	2 1/4"	(57.1)	2260	(10.05)	2020	(8.98)	79	(35.8)
B3188-3 1/2	4 1/4"	(107.9)	2 1/4"	(57.1)	2260	(10.05)	2020	(8.98)	84	(38.1)
B3188-4	4 1/2"	(114.3)	2 1/4"	(57.1)	2260	(10.05)	2020	(8.98)	94	(42.6)
B3188-5	5"	(127.0)	2 7/32"	(56.3)	2260	(10.05)	2020	(8.98)	104	(47.2)
B3188-6	6 1/8"	(155.6)	2 13/16"	(71.4)	3620	(16.10)	3230	(14.37)	203	(92.1)
B3188-8	7 1/8"	(181.0)	2 13/16"	(71.4)	3620	(16.10)	3230	(14.37)	241	(109.3)
B3188-10	8 3/8"	(212.7)	3"	(76.2)	5420	(24.11)	4830	(21.48)	412	(186.9)
B3188-12	9 5/8"	(244.5)	3 1/4"	(82.5)	7540	(33.54)	6730	(29.93)	661	(299.8)
B3188-14	10 1/4"	(260.3)	3 1/4"	(82.5)	7540	(33.54)	6730	(29.93)	707	(320.7)
B3188-16	11 1/4"	(285.7)	3 1/4"	(82.5)	7540	(33.54)	6730	(29.93)	782	(354.7)
B3188-18	12 5/8"	(320.7)	3 5/8"	(92.1)	9920	(44.12)	8850	(39.36)	1344	(609.6)
B3188-20	13 5/8"	(346.1)	3 5/8"	(92.1)	9920	(44.12)	8850	(39.36)	1458	(661.3)
B3188-24	15 5/8"	(396.9)	3 5/8"	(92.1)	9920	(44.12)	8850	(39.36)	1687	(765.2)
B3188-30	18 5/8"	(473.1)	3 5/8"	(92.1)	9920	(44.12)	8850	(39.36)	2030	(920.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

THREADED ACCESSORIES



Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed as a support, guide or anchor for light-duty pipe.

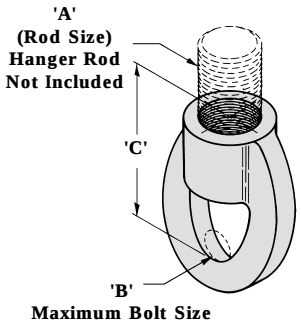
Ordering: Specify part number and finish. (Order Hex Nuts separately).

Figure B3501 Light-Duty Weight U-Bolt

Part No.	Nominal Pipe Size		Thread Size 'A'	Thread Length 'TL'		'B'		'C'	
B3501-1/2	1/2"	(15)	1/4"-20	1 3/4"	(44.4)	15/16"	(23.8)	1 3/16"	(30.2)
B3501-3/4	3/4"	(20)	1/4"-20	1 3/4"	(44.4)	1 1/8"	(28.6)	1 3/8"	(34.9)
B3501-1	1"	(25)	1/4"-20	1 3/4"	(44.4)	1 3/8"	(34.9)	1 5/8"	(41.3)
B3501-1 1/4	1 1/4"	(32)	1/4"-20	1 3/4"	(44.4)	1 11/16"	(42.9)	1 15/16"	(49.2)
B3501-1 1/2	1 1/2"	(40)	1/4"-20	1 3/4"	(44.4)	2"	(50.8)	2 1/4"	(57.1)
B3501-2	2"	(50)	1/4"-20	1 3/4"	(44.4)	2 7/16"	(61.9)	2 11/16"	(68.3)
B3501-2 1/2	2 1/2"	(65)	3/8"-16	2"	(50.8)	2 15/16"	(74.6)	3 5/16"	(84.1)
B3501-3	3"	(80)	3/8"-16	2"	(50.8)	3 9/16"	(90.5)	3 15/16"	(100.0)
B3501-3 1/2	3 1/2"	(90)	3/8"-16	2"	(50.8)	4 1/16"	(103.2)	4 7/16"	(112.7)
B3501-4	4"	(100)	3/8"-16	2"	(50.8)	4 9/16"	(115.9)	4 15/16"	(125.4)
B3501-5	5"	(125)	3/8"-16	2 1/4"	(57.1)	5 5/8"	(142.9)	6"	(152.4)
B3501-6	6"	(150)	1/2"-13	2 1/4"	(57.1)	6 3/4"	(171.4)	7 1/4"	(184.1)
B3501-8	8"	(200)	1/2"-13	2 1/4"	(57.1)	8 3/4"	(222.2)	9 1/4"	(234.9)
B3501-10	10"	(250)	5/8"-11	2 1/2"	(63.5)	10 7/8"	(276.2)	11 1/2"	(292.1)
B3501-12	12"	(300)	5/8"-11	2 1/2"	(63.5)	12 7/8"	(327.0)	13 1/2"	(342.9)

Part No.	Tangent 'D'		'E'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3501-1/2	1 15/16"	(49.2)	1 1/2"	(38.1)	485	(2.16)	6	(2.7)
B3501-3/4	2 1/16"	(52.4)	1 9/16"	(39.7)	485	(2.16)	7	(3.2)
B3501-1	2 3/16"	(55.6)	1 17/32"	(38.9)	485	(2.16)	7	(3.2)
B3501-1 1/4	2 3/8"	(60.3)	1 17/32"	(38.9)	485	(2.16)	8	(3.6)
B3501-1 1/2	2 7/16"	(61.9)	1 1/2"	(38.1)	485	(2.16)	9	(4.1)
B3501-2	2 11/16"	(68.3)	1 1/2"	(38.1)	485	(2.16)	10	(4.5)
B3501-2 1/2	3 1/16"	(77.8)	1 5/8"	(41.3)	1220	(5.42)	28	(12.7)
B3501-3	3 3/8"	(85.7)	1 5/8"	(41.3)	1220	(5.42)	32	(14.5)
B3501-3 1/2	3 5/8"	(92.1)	1 5/8"	(41.3)	1220	(5.42)	35	(15.9)
B3501-4	3 7/8"	(98.4)	1 5/8"	(41.3)	1220	(5.42)	38	(17.2)
B3501-5	4 9/16"	(115.9)	1 25/32"	(45.2)	1220	(5.42)	45	(20.4)
B3501-6	5 1/16"	(128.6)	1 3/4"	(44.4)	2260	(10.05)	100	(45.3)
B3501-8	6 1/16"	(154.0)	1 3/4"	(44.4)	2260	(10.05)	124	(56.2)
B3501-10	7 1/4"	(184.1)	1 7/8"	(47.6)	3620	(16.10)	237	(107.5)
B3501-12	8 1/4"	(209.5)	1 7/8"	(47.6)	3620	(16.10)	275	(124.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

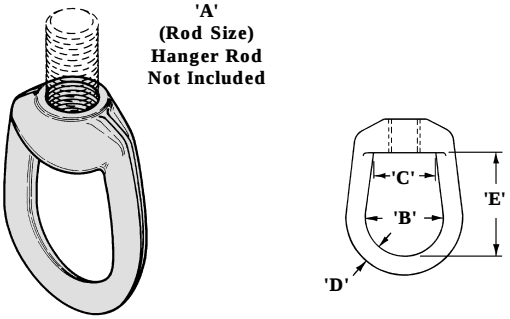
Service: Designed for use with B3173 Split Ring Hanger or B3175 Ring and Bolt Hanger as a non-adjustable threaded rod connection.

Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved. Complies with Federal Specification WW-H-171E Type 16 and Manufacturers' Standardization Society SP-69 & SP-58 Type 16.

Figure B3222 Eye Socket

Part No.	Rod Size 'A'	Max. Bolt Size 'B'		'C'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3222-3/8	3/8"-16	1/4"	(6.3)	1 5/16"	(33.3)	570	(2.53)	9	(4.1)
B3222-1/2	1/2"-13	1/4"	(6.3)	1 1/2"	(38.1)	1130	(5.02)	16	(7.2)
B3222-5/8	5/8"-11	3/8"	(9.5)	1 3/4"	(44.4)	1400	(6.23)	21	(9.5)
B3222-3/4	3/4"-10	1/2"	(12.7)	2 1/8"	(54.0)	1900	(8.45)	38	(17.2)
B3222-7/8	7/8"-9	1/2"	(12.7)	2 3/8"	(60.3)	2200	(9.78)	44	(19.9)



Material: Forged Steel

Standard Finish: Plain

Service: Designed for use on high-temperature pipe runs where a flexible connection is required.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 17 and Manufacturers' Standardization Society SP-69 & SP-58 Type 17.

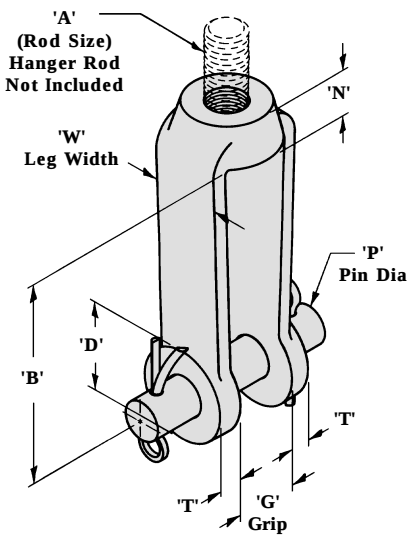
Figure B3200 Weldless Eye Nut

(Available with left-hand threads as B3200L-size)

Part No.	Rod Size 'A'	'B'		'C'		'D'		'E'		Design Load 650°F (343°C) Lbs.	kN	Wt./C Lbs.	kg
B3200-3/8	3/8"-16	1 1/2"	(38.1)	1 3/16"	(30.2)	1/2"	(12.7)	2"	(50.8)	610	(2.71)	66	(29.9)
B3200-1/2	1/2"-13	1 1/2"	(38.1)	1 3/16"	(30.2)	1/2"	(12.7)	2"	(50.8)	1130	(5.02)	64	(29.0)
B3200-5/8	5/8"-11	1 1/2"	(38.1)	1 3/16"	(30.2)	1/2"	(12.7)	2"	(50.8)	1810	(8.05)	62	(28.1)
B3200-3/4	3/4"-10	1 1/2"	(38.1)	1 3/16"	(30.2)	1/2"	(12.7)	2"	(50.8)	2710	(12.05)	60	(27.2)
B3200-7/8	7/8"-9	2"	(50.8)	1 11/16"	(42.9)	3/4"	(19.1)	2 5/8"	(66.7)	3770	(16.77)	190	(86.1)
B3200-1	1"-8	2"	(50.8)	1 11/16"	(42.9)	3/4"	(19.0)	2 5/8"	(66.7)	4960	(22.06)	185	(83.8)
B3200-1 1/8	1 1/8"-7	2 1/2"	(63.5)	1 13/16"	(46.0)	1"	(25.4)	3 3/8"	(85.7)	6230	(27.71)	408	(184.8)
B3200-1 1/4	1 1/4"-7	2 1/2"	(63.5)	1 13/16"	(46.0)	1"	(25.4)	3 3/8"	(85.7)	8000	(35.58)	400	(181.2)
B3200-1 1/2	1 1/2"-6	2 1/2"	(63.5)	1 13/16"	(46.0)	1"	(25.4)	3 3/8"	(85.7)	11630	(51.73)	381	(172.6)
B3200-2	2"-4 1/2	4"	(101.6)	4"	(101.6)	1 1/2"	(38.1)	6 1/4"	(158.7)	20700	(92.07)	1859	(842.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

THREADED ACCESSORIES



'B'
Center of clevis pin
to underside of top
'D'
Boss Dia.
'N'
Thickness of
threaded top.

Material: Forged Steel

Standard Finish: Plain

Service: Designed as an adjustable hanger rod connection for high temperature pipe runs.

Ordering: Specify part number and finish. When ordering with hardware for sizes 3/8" thru 1 1/8", Hex Head Cap Screw and Hex Nut will be supplied. For 1 1/4" thru 2, Clevis Pin and Cotter Pins will be supplied.

Approvals: Complies with Federal Specification WW-H-171E Type 14 and Manufacturers' Standardization Society SP-69 & SP-58 Type 14.

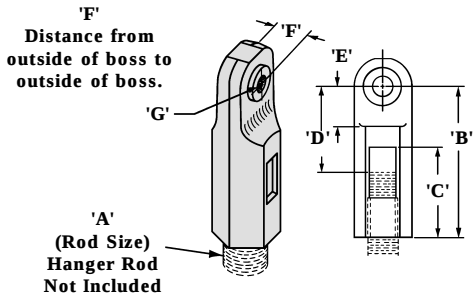
Figure B3201 Forged Steel Clevis

(Available without hardware as B3201WO-size, with left-hand threads as B3201L-size, or without hardware and with left-hand threads as B3201LWO-size)

Part No.	Rod Size 'A'	'B'		'D'		Grip 'G'		'N'		Pin Dia. 'P'	
B3201-3/8	3/8"-16	3 9/16"	(90.5)	1 7/16"	(36.5)	1/2"	(12.7)	5/8"	(15.9)	1/2"	(12.7)
B3201-1/2	1/2"-13	3 9/16"	(90.5)	1 7/16"	(36.5)	1/2"	(12.7)	5/8"	(15.9)	5/8"	(15.9)
B3201-5/8	5/8"-11	3 9/16"	(90.5)	1 7/16"	(36.5)	5/8"	(15.9)	5/8"	(15.9)	3/4"	(19.0)
B3201-3/4	3/4"-10	4"	(101.6)	2 1/2"	(63.5)	3/4"	(19.0)	1 1/8"	(28.6)	7/8"	(22.2)
B3201-7/8	7/8"-9	4"	(101.6)	2 1/2"	(63.5)	7/8"	(22.2)	1 1/8"	(28.6)	1"	(25.4)
B3201-1	1"-8	5 1/16"	(128.6)	3"	(76.2)	1"	(25.4)	1 1/4"	(31.7)	1 1/8"	(28.6)
B3201-1 1/8	1 1/8"-7	5 1/16"	(128.6)	3"	(76.2)	1 1/8"	(28.6)	1 1/4"	(31.7)	1 1/4"	(31.7)
B3201-1 1/4	1 1/4"-7	5 1/16"	(128.6)	3"	(76.2)	1 1/4"	(31.7)	1 1/4"	(31.7)	1 3/8"	(34.9)
B3201-1 1/2	1 1/2"-6	6"	(152.4)	3 1/2"	(88.9)	1 1/2"	(38.1)	1 1/2"	(38.1)	1 5/8"	(41.3)
B3201-1 3/4	1 3/4"-5	5 15/16"	(150.8)	4"	(101.6)	1 1/2"	(38.1)	1 3/4"	(44.4)	1 7/8"	(47.6)
B3201-2	2"-4 1/2	7"	(177.8)	5"	(127.0)	2 1/2"	(63.5)	2 1/4"	(57.1)	2 1/4"	(57.1)

Part No.	'T'		'W'		Design Load 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C With Pin Lbs.	kg	Without Pin Lbs.	kg
B3201-3/8	5/16"	(7.9)	1 1/16"	(27.0)	610	(2.71)	540	(2.40)	102	(46.2)	85	(38.5)
B3201-1/2	5/16"	(7.9)	1 1/16"	(27.0)	1130	(5.02)	1010	(4.49)	112	(50.8)	82	(37.2)
B3201-5/8	5/16"	(7.9)	1 1/16"	(27.0)	1810	(8.05)	1610	(7.16)	134	(60.8)	78	(35.4)
B3201-3/4	3/8"	(9.5)	1 1/4"	(31.7)	2710	(12.05)	2420	(10.76)	250	(113.4)	163	(73.9)
B3201-7/8	3/8"	(9.5)	1 1/4"	(31.7)	3770	(16.77)	3360	(14.94)	305	(138.3)	161	(73.0)
B3201-1	1/2"	(12.7)	1 1/2"	(38.1)	4960	(22.06)	4420	(19.66)	656	(297.5)	449	(203.6)
B3201-1 1/8	1/2"	(12.7)	1 1/2"	(38.1)	6230	(27.71)	5560	(24.73)	718	(325.7)	433	(196.4)
B3201-1 1/4	1/2"	(12.7)	1 1/2"	(38.1)	8000	(35.58)	7140	(31.76)	603	(273.5)	382	(173.3)
B3201-1 1/2	1/2"	(12.7)	1 3/4"	(44.4)	11630	(51.73)	10370	(46.12)	952	(431.8)	600	(272.1)
B3201-1 3/4	1/2"	(12.7)	2"	(50.8)	15700	(69.83)	14000	(62.27)	1357	(615.5)	800	(362.9)
B3201-2	5/8"	(15.9)	2 1/2"	(63.5)	20700	(92.07)	18460	(82.11)	2403	(1090.0)	1600	(725.7)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

Standard Finish: Plain

Service: Designed for supporting hanger rod from beam clamps and other attachments allowing for vertical adjustment.

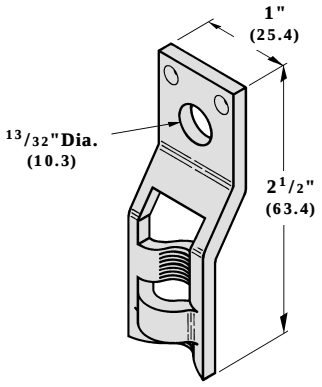
Ordering: Specify part number and finish.

Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved.

Figure B3203 Extension Piece

Part No.	Rod Size 'A'	For Nominal Pipe Sizes		'B'		'C'		'D'	
B3203-3/8	3/8"-16	3/4" to 2"	(20 to 50)	2 1/16"	(52.4)	1 1/4"	(31.7)	1 1/4"	(31.7)
B3203-1/2	1/2"-13	2 1/2" to 3 1/2"	(65 to 90)	2 5/16"	(58.7)	1 3/8"	(34.9)	1 3/8"	(34.9)
B3203-5/8	5/8"-11	4"-5"	(100 to125)	2 7/16"	(61.9)	1 1/2"	(38.1)	1 7/16"	(36.5)
B3203-3/4	3/4"-10	6"	(150)	2 7/8"	(73.0)	1 3/4"	(44.4)	1 11/16"	(42.9)
B3203-7/8	7/8"-9	8" to 12"	(200 to 300)	3"	(76.2)	1 7/8"	(47.6)	1 3/4"	(44.4)

Part No.	'E'		'F'		'G'		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3203-3/8	9/16"	(14.3)	1/2"	(12.7)	1/2"	(12.7)	610	(2.71)	18	(8.1)
B3203-1/2	11/16"	(17.5)	5/8"	(15.9)	1/2"	(12.7)	1130	(5.02)	37	(16.8)
B3203-5/8	3/4"	(19.0)	5/8"	(15.9)	1/2"	(12.7)	1550	(6.89)	42	(19.0)
B3203-3/4	7/8"	(22.2)	5/8"	(15.9)	1/2"	(12.7)	2100	(9.34)	56	(25.4)
B3203-7/8	7/8"	(22.2)	3/4"	(19.0)	9/16"	(14.3)	2350	(10.45)	75	(34.0)



Material: Steel

Standard Finish: Pre-Galvanized

Service: Designed for attachment of 3/8" hanger rod to structure.

Ordering: Specify part number and finish.

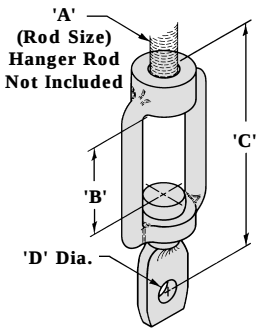
Approvals: Underwriters' Laboratories Listed and Factory Mutual Approved for up to 4" (100) pipe.

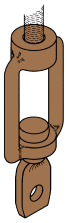
Design Load: 610 lbs (2.71kN)

Figure B3223-3/8" Offset Eye Socket

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

THREADED ACCESSORIES





B3224CT

Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

Service: Designed to provide vertical rod adjustment when used with B3173 Split Ring Hanger or B3175 Ring and Bolt Hanger.

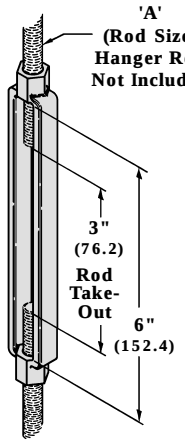
Ordering: Specify part number and finish.

Approvals: Complies with Federal Specifications WW-H-171E Type 15 and Manufacturers' Standardization Society SP-69 & SP-58 Type 15.

Figure B3224 Hanger Adjuster

(Available with Dura-Copper coating as B3224CT-3/8 or 1/2 only)

Part No.	Rod Size 'A'	For Nominal Pipe Sizes		'B'		'C'		'D'		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3224-1/4	1/4"-20	3/8"	(10)	1 3/4"	(44.4)	3 7/8"	(98.4)	7/32"	(5.5)	230	(1.02)	9	(4.1)
B3224-3/8	3/8"-16	1/2" to 2"	(15 to 50)	1 3/4"	(44.4)	3 7/8"	(98.4)	13/32"	(10.3)	610	(2.71)	28	(12.7)
B3224-1/2	1/2"-13	2 1/2" to 3 1/2"	(65 to 90)	1 3/4"	(44.4)	3 7/8"	(98.4)	13/32"	(10.3)	725	(3.22)	29	(13.1)
B3224-5/8	5/8"-11	4" to 5"	(100 to 125)	2 1/4"	(57.1)	5 1/8"	(130.2)	1/2"	(12.7)	710	(3.16)	30	(13.6)
B3224-3/4	3/4"-10	6"	(150)	2 1/4"	(57.1)	5 1/8"	(130.2)	9/16"	(14.3)	860	(3.82)	74	(33.5)



Material: Forged Steel

Standard Finish: Plain or Electro-Plated

Service: Designed as a hanger rod connection with up to 6" (152.4) adjustment.

Ordering: Specify part number and finish.

Approvals: Complies with Federal Specification WW-H-171E Type 13 and Manufacturers' Standardization Society SP-69 & SP-58 Type 13.

Note: 3" (76.2), 9" (228.6) and 12" (304.8) openings are available on special request. Turnbuckle has one end that is right-handed thread, other end is left-handed thread.

Figure B3202 Turnbuckle

Part No.	Rod Size 'A'	Design Load 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN	Wt./C Lbs.	kg
B3202-3/8	3/8"-16	610	(2.71)	540	(2.40)	38	(17.2)
B3202-1/2	1/2"-13	1130	(5.02)	1010	(4.49)	54	(24.5)
B3202-5/8	5/8"-11	1810	(8.05)	1610	(7.16)	91	(41.3)
B3202-3/4	3/4"-10	2710	(12.05)	2420	(10.76)	130	(58.9)
B3202-7/8	7/8"-9	3770	(16.77)	3360	(14.94)	202	(91.6)
B3202-1	1"-8	4960	(22.06)	4420	(19.66)	270	(122.5)
B3202-1 1/8	1 1/8"-7	6230	(27.71)	5560	(24.73)	354	(160.6)
B3202-1 1/4	1 1/4"-7	8000	(35.58)	7140	(31.76)	445	(201.8)
B3202-1 1/2	1 1/2"-6	11630	(51.73)	10370	(46.12)	640	(290.3)
B3202-1 3/4	1 3/4"-5	15700	(69.83)	14000	(62.27)	1100	(498.9)
B3202-2	2"-4 1/2	20700	(92.07)	18460	(82.11)	1490	(675.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for use in pipe hanger assemblies.

Ordering: Specify part number, length and finish. (B3205L for left hand threads on one end)

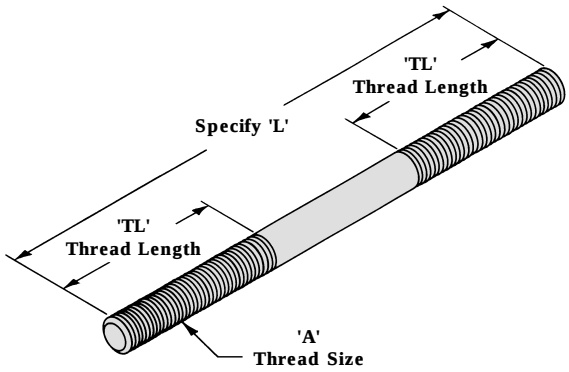


Figure B3205 Threaded Rod (right-hand threads - both ends)

(Available with right & left-hand threads as B3205L-size)

Part No.	Thread Size 'A'	Standard Thread Length 'TL'		Design Load 650°F (343°C) Lbs.	kN	750°F (399°C) Lbs.	kN
B3205-3/8 x 'L'	3/8"-16	2 1/2"	(63.5)	610	(2.71)	540	(2.40)
B3205-1/2 x 'L'	1/2"-13	2 1/2"	(63.5)	1130	(5.02)	1010	(4.49)
B3205-5/8 x 'L'	5/8"-11	2 1/2"	(63.5)	1810	(8.05)	1610	(7.16)
B3205-3/4 x 'L'	3/4"-10	3"	(76.2)	2710	(12.05)	2420	(10.76)
B3205-7/8 x 'L'	7/8"-9	3 1/2"	(88.9)	3770	(16.77)	3360	(14.94)
B3205-1 x 'L'	1"-8	4"	(101.6)	4960	(22.06)	4420	(19.66)
B3205-1 1/8 x 'L'	1 1/8"-7	4 1/2"	(114.3)	6230	(27.71)	5560	(24.73)
B3205-1 1/4 x 'L'	1 1/4"-7	5"	(127.0)	8000	(35.58)	7140	(31.76)
B3205-1 1/2 x 'L'	1 1/2"-6	6"	(152.4)	11630	(51.73)	10370	(46.12)
B3205-1 3/4 x 'L'	1 3/4"-5	7"	(177.8)	15700	(69.83)	14000	(62.27)
B3205-2 x 'L'	2"-4 1/2	8"	(203.2)	20700	(92.07)	18460	(82.11)
B3205-2 1/4 x 'L'	2 1/4"-4 1/2	9"	(228.6)	27200	(120.98)	24260	(107.91)
B3205-2 1/2 x 'L'	2 1/2"-4	10"	(254.0)	33500	(149.01)	29880	(132.90)
B3205-2 3/4 x 'L'	2 3/4"-4	11"	(279.4)	41580	(184.95)	37066	(164.87)
B3205-3 x 'L'	3"-4	12"	(304.8)	50580	(224.98)	45085	(200.54)
B3205-3 1/4 x 'L'	3 1/4"-8UN	13"	(330.2)	60480	(269.01)	53906	(239.77)
B3205-3 1/2 x 'L'	3 1/2"-8UN	14"	(355.6)	71280	(317.05)	63493	(282.41)
B3205-3 3/4 x 'L'	3 3/4"-8UN	15"	(381.0)	82890	(368.69)	73855	(328.50)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified..

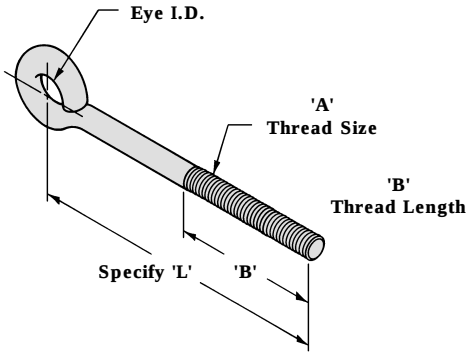


Figure B3210 Eye Rod (right-hand threads)
(Available with left-hand threads as B3210L-size)

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for use in hanger supports to eliminate possible bending of threaded rod.

Ordering: Specify part number, length and finish.

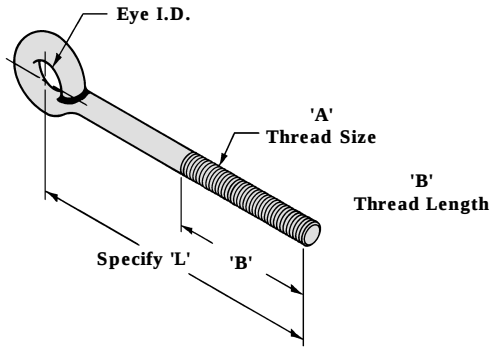


Figure B3211 Welded Eye Rod (right-hand threads)
(Available with left-hand threads as B3211L-size)

Part No.		Thread Size 'A'	Thread Length 'B'		Eye I.D.		Design Load B3210 650°F (343°C) Lbs.	B3210 650°F (343°C) kN	B3211 650°F (343°C) Lbs.	B3211 650°F (343°C) kN	B3211 750°F (399°C) Lbs.	B3211 750°F (399°C) kN
B3210-3/8 x 'L'	B3211-3/8 x 'L'	3/8"-16	2 1/2"	(63.5)	1/2"	(12.7)	240	(1.07)	610	(2.71)	540	(2.40)
B3210-1/2 x 'L'	B3211-1/2 x 'L'	1/2"-13	2 1/2"	(63.5)	5/8"	(15.9)	440	(1.96)	1130	(5.02)	1010	(4.49)
B3210-5/8 x 'L'	B3211-5/8 x 'L'	5/8"-11	2 1/2"	(63.5)	3/4"	(19.0)	705	(3.13)	1810	(8.05)	1610	(7.16)
B3210-3/4 x 'L'	B3211-3/4 x 'L'	3/4"-10	3"	(76.2)	7/8"	(22.2)	1050	(4.67)	2710	(12.05)	2420	(10.76)
B3210-7/8 x 'L'	B3211-7/8 x 'L'	7/8"-9	3 1/2"	(88.9)	1"	(25.4)	1470	(6.54)	3770	(16.77)	3360	(14.94)
B3210-1 x 'L'	B3211-1 x 'L'	1"-8	4"	(101.6)	1 1/8"	(28.6)	1940	(8.63)	4960	(22.06)	4420	(19.66)
B3210-1 1/8 x 'L'	B3211-1 1/8 x 'L'	1 1/8"-7	4 1/2"	(114.3)	1 1/4"	(31.7)	2430	(10.81)	6230	(27.71)	5560	(24.73)
B3210-1 1/4 x 'L'	B3211-1 1/4 x 'L'	1 1/4"-7	5"	(127.0)	1 3/8"	(34.9)	3120	(13.88)	8000	(35.58)	7140	(31.76)
B3210-1 1/2 x 'L'	B3211-1 1/2 x 'L'	1 1/2"-6	6"	(152.4)	1 5/8"	(41.3)	4650	(20.68)	11630	(51.73)	10370	(46.12)
B3210-1 3/4 x 'L'	B3211-1 3/4 x 'L'	1 3/4"-5	7"	(177.8)	2"	(50.8)	6380	(28.38)	15700	(69.83)	14000	(62.27)
B3210-2 x 'L'	B3211-2 x 'L'	2"-4 1/2	8"	(203.2)	2 1/4"	(57.1)	8280	(36.83)	20700	(92.07)	18460	(82.11)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for use in hanger supports where a movement joint is required.

Ordering: Specify part number, length and finish.

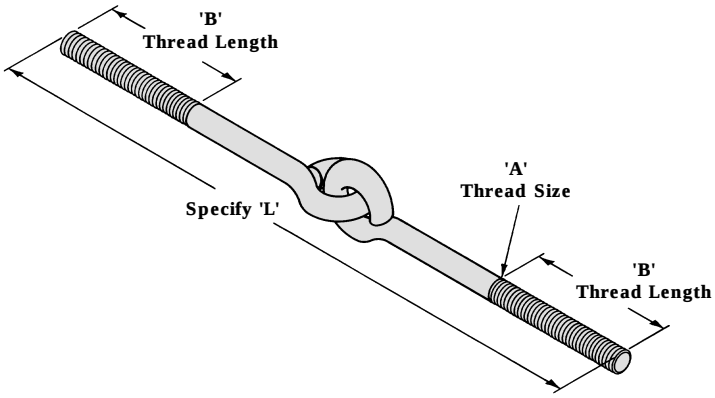


Figure B3210X Linked Eye Rods (Right-hand threads-both ends)
(Available with right & left-hand threads as B3210XL-size)

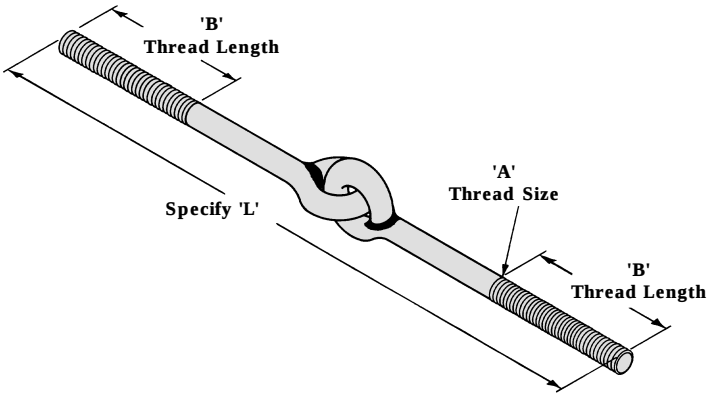
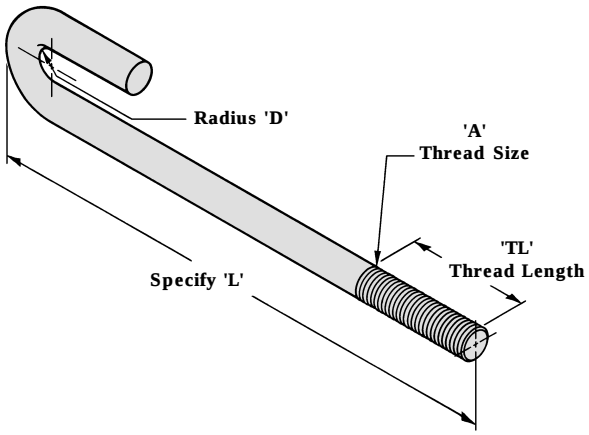


Figure B3211X Welded Linked Eye Rods (Right-hand threads-both ends)
(Available with right & left-hand threads as B3211XL-size)

Part No.		Thread Size 'A'	Thread Length 'B'		Eye I.D.		Design Load B3210X 650°F (343°C) Lbs.	kN	B3211X 650°F (343°C) Lbs.	kN	B3211X 750°F (399°C) Lbs.	kN
B3210X-3/8 x 'L'	B3211X-3/8 x 'L'	3/8"-16	2 1/2"	(63.5)	1/2"	(12.7)	240	(1.07)	610	(2.71)	540	(2.40)
B3210X-1/2 x 'L'	B3211X-1/2 x 'L'	1/2"-13	2 1/2"	(63.5)	5/8"	(15.9)	440	(1.96)	1130	(5.02)	1010	(4.49)
B3210X-5/8 x 'L'	B3211X-5/8 x 'L'	5/8"-11	2 1/2"	(63.5)	3/4"	(19.0)	705	(3.13)	1810	(8.05)	1610	(7.16)
B3210X-3/4 x 'L'	B3211X-3/4 x 'L'	3/4"-10	3"	(76.2)	7/8"	(22.2)	1050	(4.67)	2710	(12.05)	2420	(10.76)
B3210X-7/8 x 'L'	B3211X-7/8 x 'L'	7/8"-9	3 1/2"	(88.9)	1"	(25.4)	1470	(6.54)	3770	(16.77)	3360	(14.94)
B3210X-1 x 'L'	B3211X-1 x 'L'	1"-8	4"	(101.6)	1 1/8"	(28.6)	1940	(8.63)	4960	(22.06)	4420	(19.66)
B3210X-1 1/8 x 'L'	B3211X-1 1/8 x 'L'	1 1/8"-7	4 1/2"	(114.3)	1 1/4"	(31.7)	2430	(10.81)	6230	(27.71)	5560	(24.73)
B3210X-1 1/4 x 'L'	B3211X-1 1/4 x 'L'	1 1/4"-7	5"	(127.0)	1 3/8"	(34.9)	3120	(13.88)	8000	(35.58)	7140	(31.76)
B3210X-1 1/2 x 'L'	B3211X-1 1/2 x 'L'	1 1/2"-6	6"	(152.4)	1 5/8"	(41.3)	4650	(20.68)	11630	(51.73)	10370	(46.12)
B3210X-1 3/4 x 'L'	B3211X-1 3/4 x 'L'	1 3/4"-5	7"	(177.8)	2"	(50.8)	6380	(28.38)	15700	(69.83)	14000	(62.27)
B3210X-2 x 'L'	B3211X-2 x 'L'	2"-4 1/2	8"	(203.2)	2 1/4"	(57.1)	8280	(36.83)	20700	(92.07)	18460	(82.11)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

THREADED ACCESSORIES



Material: Steel

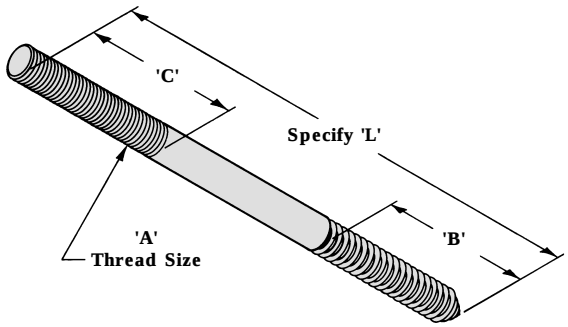
Standard Finish: Plain

Service: Designed for attaching to a beam flange or purlin.

Ordering: Specify part number, length and finish.

Figure B3212 J-Bolt

Part No.	Thread Size 'A'	Thread Length 'TL'		Radius 'D'		Design Load Lbs.	kg
B3212-3/8 x 'L'	3/8"-16	2"	(50.8)	1/2"	(12.7)	240	(1.07)
B3212-1/2 x 'L'	1/2"-13	2"	(50.8)	5/8"	(15.9)	440	(1.96)
B3212-5/8 x 'L'	5/8"-11	2 1/2"	(63.5)	3/4"	(19.0)	705	(3.13)
B3212-3/4 x 'L'	3/4"-10	2 1/2"	(63.5)	7/8"	(22.2)	1050	(4.67)
B3212-7/8 x 'L'	7/8"-9	2 1/2"	(63.5)	1"	(25.4)	1470	(6.54)



Material: Steel

Standard Finish: Plain

Service: Designed for suspending pipe supports from wood structures.

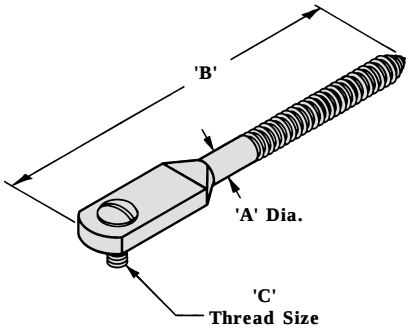
Ordering: Specify part number, rod size, length and finish.

Figure B3213 Coach Screw Rod

Part No.	Thread Size 'A'	Standard Rod Lengths 'L'		Coach Screw Thread Length 'B'		Rod Thread Length 'C'		Design Load Lbs.	kg
B3213-3/8 x 'L'	3/8"-16	*3 1/2", 6", 8", 10", 12"	(88.9, 152.4, 203.2, 254.0, 304.8)	2"	(50.8)	2"	(50.8)	390	(1.73)
B3213-1/2 x 'L'	1/2"-13	*3 1/2", 6", 8", 10", 12"	(88.9, 152.4, 203.2, 254.0, 304.8)	2 1/2"	(63.5)	2 1/2"	(63.5)	640	(2.84)

*3/8 x 3 1/2 and 1/2 x 3 1/2 will have a coach screw thread length of 2" (50.8) and a rod thread length of 1" (25.4).
Design Load is based on proper installation and solid wood.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Steel

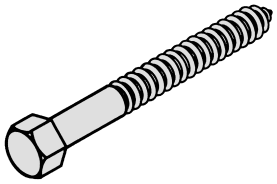
Standard Finish: Plain or Electro-Plated

Service: Designed for attaching light-duty hangers to wood structures.

Ordering: Specify part number, length and finish.

Figure B3227 Flat End Lag Screw

Part No.	'A'		'B'		'C'	Wt./C Lbs.	Wt./C kg
B3227-1/4	1/4"	(6.3)	3"	(76.2)	#10-24	4	(1.8)
B3227-5/16	5/16"	(7.9)	3"	(76.2)	1/4"-20	6	(2.7)
B3227-3/8	3/8"	(9.5)	4"	(101.6)	1/4"-20	11	(5.0)
B3227-1/2	1/2"	(12.7)	5"	(127.0)	5/16"-18	30	(13.6)
B3227-5/8	5/8"	(15.9)	5 1/2"	(139.7)	3/8"-16	48	(21.8)



Material: Steel

Standard Finish: Plain or Electro-Plated

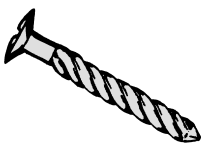
Service: Designed for use in wood structures.

Ordering: Specify part number and finish.

Figure B3228 Hex Head Lag Bolt

Length		Bolt Diameter and Wt./C 1/4"	(6.3)	3/8"	(9.5)	1/2"	(12.7)	5/8"	(15.9)	3/4"	(19.0)
1 1/2"	(38.1)	2.3	(1.0)	6.0	(2.7)	11.8	(5.3)	19.4	(8.8)	32.3	(14.6)
2"	(50.8)	2.8	(1.3)	7.0	(3.2)	14.4	(6.5)	23.2	(10.5)	38.3	(17.4)
2 1/2"	(63.5)	3.3	(1.5)	8.3	(3.7)	16.2	(7.3)	27.0	(12.2)	44.0	(19.9)
3"	(76.2)	3.9	(1.7)	9.8	(4.4)	18.6	(8.4)	31.0	(14.0)	47.7	(21.6)
3 1/2"	(88.9)	4.4	(2.0)	11.4	(5.2)	21.2	(9.6)	34.8	(15.8)	56.3	(25.5)
4"	(127.0)	5.0	(2.2)	12.5	(5.7)	23.3	(10.5)	37.6	(17.0)	58.5	(26.5)
4 1/2"	(114.3)	5.7	(2.6)	14.0	(6.3)	26.1	(11.8)	42.6	(19.3)	64.0	(29.0)
5"	(127.0)	6.3	(2.8)	15.4	(7.0)	29.0	(13.1)	45.5	(20.6)	68.0	(30.8)
5 1/2"	(139.7)	7.0	(3.2)	16.4	(7.4)	31.5	(14.3)	49.3	(22.3)	74.0	(33.5)
6"	(152.4)	7.4	(3.3)	18.3	(8.3)	34.0	(15.4)	53.0	(24.0)	77.0	(34.9)

Figure DS 16 x 2 Drive Screw



Material: Steel

Standard Finish: Electro-Plated

Service: For fastening light load attachments to wood beams.

Ordering: Specify part number and finish.

Weight: Wt./C 1.1 lbs. (.5kg)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

THREADED ACCESSORIES

Figure B655 Steel Rod Coupling

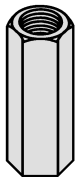
Part No.	Size	Length		Design Load Lbs.	kN	Wt./C Lbs.	kg
B655-1/4	1/4"-20	7/8"	(22.2)	230	(1.07)	1.9	(.86)
B655-5/16	5/16"-18	7/8"	(22.2)	400	(1.78)	1.8	(.81)
B655-3/8	3/8"-16	1 1/8"	(28.6)	610	(2.71)	3.6	(1.63)
B655-1/2	1/2"-13	1 3/4"	(44.4)	1130	(5.03)	11.3	(5.12)
B655-5/8	5/8"-11	2 1/8"	(54.0)	1810	(8.05)	17.6	(7.98)
B655-3/4	3/4"-10	2 1/4"	(57.1)	2710	(12.05)	28.1	(12.74)
B655-7/8	7/8"-9	2 1/2"	(63.5)	3770	(16.77)	57.2	(25.94)
B655-1	1"-8	2 3/4"	(69.8)	4960	(22.06)	73.7	(33.43)

Material: Steel

Standard Finish: Plain or Electro-Plated

Service: Designed for coupling two hanger rods of equal or reduced rod sizes.

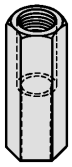
Ordering: Specify part number and finish.



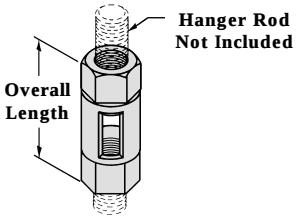
B655

Figure B656 Steel Reducing Rod Coupling

Part No.	Size	Length		Design Load Lbs.	kN	Wt./C Lbs.	kg
B656-3/8 x 1/4	3/8"-16 & 1/4"-20	1"	(25.4)	230	(1.07)	3.7	(1.68)
B656-1/2 x 3/8	1/2"-13 & 3/8"-16	1 1/4"	(31.7)	610	(2.71)	6.6	(2.99)
B656-5/8 x 1/2	5/8"-11 & 1/2"-13	1 1/4"	(31.7)	1130	(5.03)	11.6	(5.26)
B656-3/4 x 5/8	3/4"-10 & 5/8"-11	1 1/2"	(38.1)	1810	(8.05)	20.6	(9.34)
B656-7/8 x 3/4	7/8"-9 & 3/4"-10	1 3/4"	(44.4)	2710	(12.05)	39.4	(17.87)



B656



Material: Malleable Iron

Standard Finish: Plain or Electro-Plated

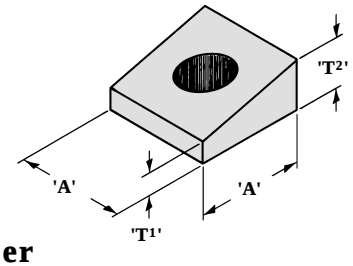
Service: Designed for coupling two hanger rods of equal or reduced rod sizes.

Ordering: Specify part number and finish.

Figure B3220 Rod Coupling

Part No.	For Rod Size	Overall Length		Design Load Lbs.	kN	Wt./C Lbs.	kg
B3220-1/4	1/4"-20	1 3/8"	(34.9)	230	(1.02)	6	(2.7)
B3220-3/8 x 1/4	3/8"-16 to 1/4"-20	1 5/8"	(41.3)	230	(1.02)	11	(5.0)
B3220-3/8	3/8"-16	1 5/8"	(41.3)	610	(2.71)	10	(4.5)
B3220-1/2 x 3/8	1/2"-13 to 3/8"-16	2 1/8"	(54.0)	610	(2.71)	20	(9.1)
B3220-1/2	1/2"-13	2 1/8"	(54.0)	1130	(5.02)	20	(9.1)
B3220-5/8	5/8"-11	2 1/2"	(63.5)	1810	(8.05)	32	(14.5)
B3220-3/4	3/4"-10	2 5/8"	(66.7)	2710	(12.05)	42	(19.0)
B3220-7/8	7/8"-9	3 3/16"	(55.6)	3770	(16.77)	91	(41.3)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Material: Malleable Iron

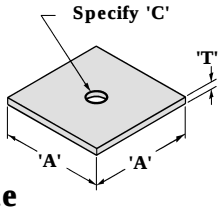
Standard Finish: Plain

Service: Designed for attaching bolts to the taper of an I-beam or channel flange.

Ordering: Specify part number and finish.

Figure B3234 Bevel Washer

Part No.	For Bolt Size	'A'		'T1'		'T2'		Wt./C Lbs.	Wt./C kg
B3234-3/8	3/8"-16	1 1/4"	(31.7)	5/32"	(3.9)	11/32"	(8.7)	9	(4.1)
B3234-1/2	1/2"-13	1 1/4"	(31.7)	5/32"	(3.9)	11/32"	(8.7)	9	(4.1)
B3234-5/8	5/8"-11	1 1/2"	(38.1)	5/32"	(3.9)	13/32"	(10.3)	14	(6.3)
B3234-3/4	3/4"-10	1 1/2"	(38.1)	7/32"	(5.5)	15/32"	(11.9)	16	(7.2)
B3234-7/8	7/8"-9	2"	(50.8)	7/32"	(5.5)	9/16"	(14.3)	33	(14.9)
B3234-1	1"-8	2"	(50.8)	7/32"	(5.5)	9/16"	(14.3)	31	(14.0)
B3234-1 1/8	1 1/8"-7	2 1/4"	(57.1)	9/32"	(7.1)	5/8"	(15.9)	48	(21.8)
B3234-1 1/4	1 1/4"-7	2 1/2"	(63.5)	5/16"	(7.9)	23/32"	(18.2)	67	(30.4)



Material: Steel

Standard Finish: Plain

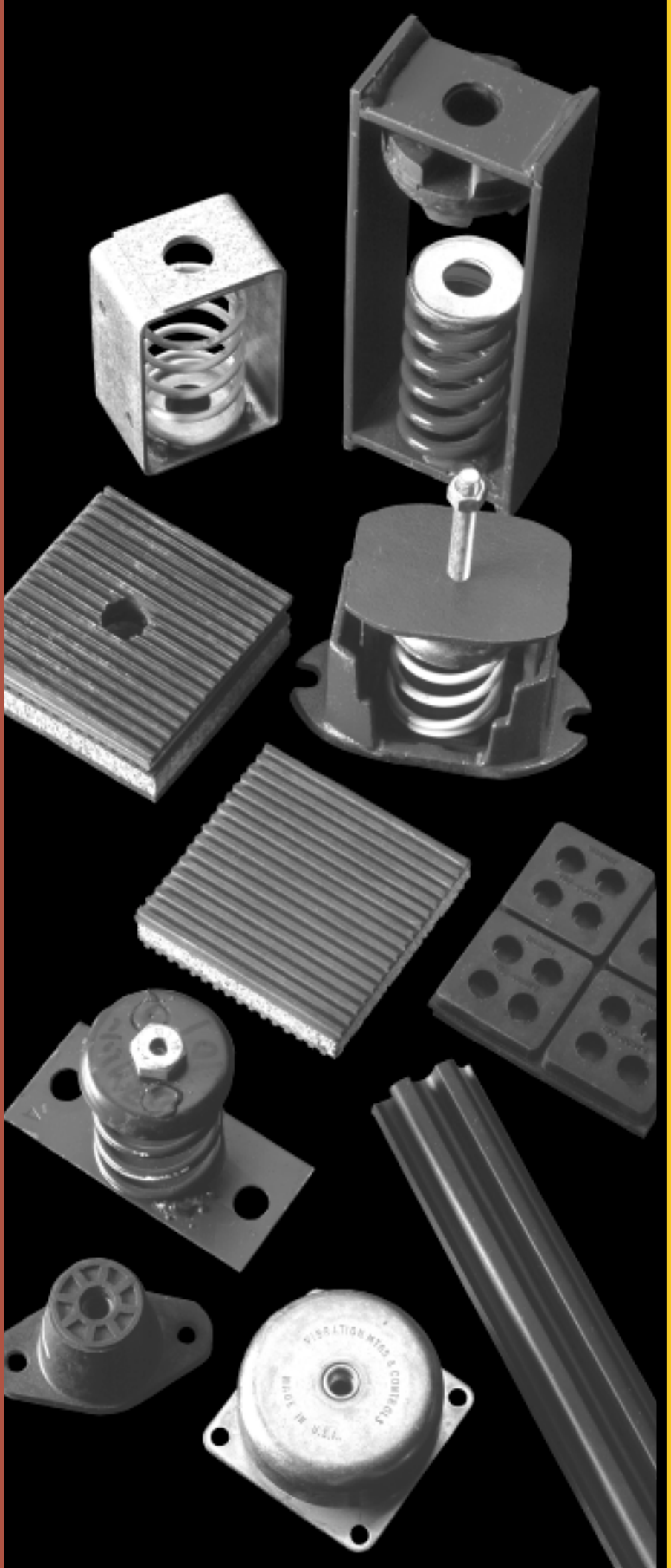
Service: Designed as a heavy-duty washer to suspend hanger rods.

Ordering: Specify part number, rod size and finish.

Figure B3248 Steel Washer Plate

Part No.	'A'		'T'		'C'	Wt./C Lbs.	Wt./C kg
B3248-2 x 2 x 1/8	2"	(50.8)	1/8"	(3.2)		14	(6.3)
B3248-3 x 3 x 1/8	3"	(76.2)	1/8"	(3.2)		32	(14.5)
B3248-4 x 4 x 1/8	4"	(101.6)	1/8"	(3.2)		57	(25.8)
B3248-5 x 5 x 1/8	5"	(127.0)	1/8"	(3.2)		87	(39.4)
B3248-6 x 6 x 1/8	6"	(152.4)	1/8"	(3.2)		128	(58.0)
B3248-2 x 2 x 3/16	2"	(50.8)	3/16"	(3.2)		21	(9.5)
B3248-3 x 3 x 3/16	3"	(76.2)	3/16"	(4.8)		48	(21.8)
B3248-4 x 4 x 3/16	4"	(101.6)	3/16"	(4.8)		84	(38.1)
B3248-5 x 5 x 3/16	5"	(127.0)	3/16"	(4.8)		133	(60.3)
B3248-6 x 6 x 3/16	6"	(152.4)	3/16"	(4.8)	Specify	191	(86.6)
B3248-2 x 2 x 1/4	2"	(50.8)	1/4"	(6.3)	Rod	28	(12.7)
B3248-3 x 3 x 1/4	3"	(76.2)	1/4"	(6.3)	Size	64	(29.0)
B3248-4 x 4 x 1/4	4"	(101.6)	1/4"	(6.3)		113	(51.2)
B3248-5 x 5 x 1/4	5"	(127.0)	1/4"	(6.3)		177	(80.3)
B3248-6 x 6 x 1/4	6"	(152.4)	1/4"	(6.3)		255	(115.6)
B3248-3 x 3 x 3/8	3"	(76.2)	3/8"	(9.5)		96	(43.5)
B3248-4 x 4 x 3/8	4"	(101.6)	3/8"	(9.5)		170	(77.1)
B3248-5 x 5 x 3/8	5"	(127.0)	3/8"	(9.5)		266	(120.6)
B3248-6 x 6 x 3/8	6"	(152.4)	3/8"	(9.5)		383	(173.7)
B3248-4 x 4 x 1/2	4"	(101.6)	1/2"	(12.7)		226	(102.5)
B3248-5 x 5 x 1/2	5"	(127.0)	1/2"	(12.7)		354	(160.6)
B3248-6 x 6 x 1/2	6"	(152.4)	1/2"	(12.7)		510	(231.3)
B3248-8 x 8 x 1/2	8"	(203.2)	1/2"	(12.7)		906	(410.9)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



VIBRA TROL®

To address the ever increasing issue of controlling/dampening vibration in mechanical, refrigeration, and HVAC installations, B-Line Systems, Inc. has introduced the following vibration and isolation products. It is our continuing effort to offer industry with quality support products that meet the demands of todays construction environment.

The following pages depict isolation and vibration control products that are commonly specified and required on piping and equipment, but not limited to, mechanical rooms. As an aid in choosing the proper vibration control device, the chart below is a reference for obtaining Vibration Isolation Efficiency. Considerations must be given to the desired deflection and the amount of disturbing frequency (R.P.M.).

Selection

Disturbing Frequency (RPM)	Isolator Deflection						VIBRATION ISOLATION EFFICIENCY
	1/16"	1/8"	1/4"	1/2"	1"	2"	
250-299	N/R	N/R	N/R	N/R	N/R	N/R	
300-349	N/R	N/R	N/R	N/R	N/R	76%	
350-399	N/R	N/R	N/R	N/R	N/R	83%	
400-449	N/R	N/R	N/R	N/R	74%	87%	
450-499	N/R	N/R	N/R	N/R	79%	90%	
500-599	N/R	N/R	N/R	N/R	83%	92%	
600-699	N/R	N/R	N/R	75%	89%	95%	
700-799	N/R	N/R	N/R	83%	92%	96%	
800-899	N/R	N/R	N/R	87%	94%	97%	
900-999	N/R	N/R	78%	90%	95%	98%	
1000-1099	N/R	N/R	83%	92%	96%	98%	
1100-1199	N/R	N/R	86%	94%	97%	99%	
1200-1299	N/R	83%	89%	95%	97%	99%	
1300-1399	N/R	86%	91%	97%	98%	99%	
1400-1499	N/R	89%	92%	97%	98%	99%	
1500-1599	N/R	90%	93%	97%	99%	99%	
1600-1699	N/R	91%	94%	97%	99%	99%	
1700-1799	75%	93%	95%	97%	99%	99%	
1800-1899	78%	93%	95%	98%	99%	99%	
1900-1999	80%	94%	96%	98%	99%	99%	
2000-2249	82%	95%	96%	98%	99%	99%	
2250-2499	85%	95%	97%	98%	99%	99%	
2500-2999	87%	96%	97%	98%	99%	99%	
3000-3499	88%	97%	98%	99%	99%	99%	
3500-3999	90%	98%	98%	99%	99%	99%	

N/R = Not Recommended

Critical Installations 96% to 99% Vibration Isolation Efficiency recommended (only 1% to 4% of disturbing vibration transmitted).
Typical installations: TV and Radio Broadcast Studios, Concert Halls, Libraries, Churches, Hospitals, Schools and Universities, Hotels, Private Offices, Theaters, Recording Studios

Standard Installations 90% to 95% Vibration Isolation Efficiency recommended (only 5% to 10% of disturbing vibration transmitted).
Typical installations: Computer Equipment Areas, Restaurants, Shopping Malls, Gymnasiums, Health Clubs and Spas, Sports Arenas, Indoor Swimming Pools, Building Service Areas, Night Clubs, General Office Buildings

Non-Critical Installations 75% to 89% Vibration Isolation Efficiency recommended (only 11% to 24% of disturbing vibration transmitted).
Typical installations: Infactory Offices, Motor Vehicle Inspection Stations and Facilities, Laundramats, Roller and Ice Skating Rinks, Factory Production Areas

For 1/16" (1.6) deflection: Specify B-Line series NNP Ribbed Neoprene Pads.

For 1/8" (3.2) deflection: Specify B-Line series CNP Combination Cork and Ribbed Neoprene Pads or B-Line Series VRP Pads.

For 1/4" (6.3) deflection: Specify B-Line series N Neoprene Mountings or B-Line series RH Neoprene Hangers.

For 1/2" (12.7) deflection: Specify B-Line series ND Neoprene Mountings or B-Line series RH Neoprene Hangers.

For 1"-2" (25.4-50.8) deflection: Specify B-Line series HM Housed Spring Mountings or B-Line series OM Open Spring Mountings or B-Line series HS Spring Hangers.

For larger deflection requirements, consult factory.

Proper Sizing

Once it is determined as to what type of vibration dampening device is needed, weight loading is the next crucial step. As a built in safety measure, take the actual weight of supported pipe or equipment (consider all accessories - i.e. valves, insulation, brackets, etc...) and multiply by 1.25. Then refer to the sizing chart for the selected product to determine part number.

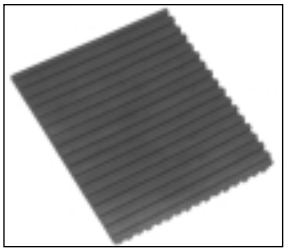
Sizing: Divide weight of equipment by points of support to determine load requirement per support.

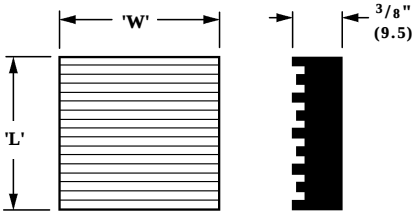
Example: 240 Lb. (90.7 kg) piece of equipment, 4 support points, take 240 x 1.25 = 300 Lbs. (136.1 kg) (safety measure), then take 300 ÷ 4 = 75 Lbs. (34.0 kg) Specify appropriate vibration device rated at 75 Lbs. (34.0 kg) for each of the support points.

If weight of equipment is unequally proportionate, select mounts to satisfy the weight distribution.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

VIBRATION PADS





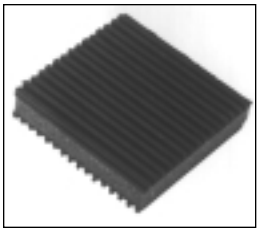
Features: The NNP pad is made of oil-resistant neoprene. The pad has an alternate height rib pattern to minimize slip. Recommended load is 50 Lbs. (.22 kN) per inch² (.0006 m²) with a range of 25-70 Lbs. (.11-.31 kN) per inch² (.0006 m²). The NNP type has a deflection of 1/8" (3.1). For greater deflection, use multiple pads in layers.

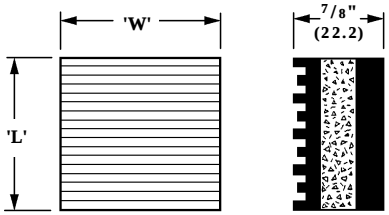
Typical Applications: Air conditioners, cooling towers, compressors, fans, generators, pumps, piping, process equipment, transformers, etc.

NNP Type - Ribbed Neoprene Pad

Use: Dampen noise and vibration in floor caused by medium and high speed equipment.

Part No.	Rated Load		Dimensions				Std. Pkg.	Wt. Each	
	Lbs.	kN	'L'		'W'			Lbs.	kg
NNP-4	200	(.89)	2"	(50.8)	2"	(50.8)	48	.04	(.02)
NNP-9	450	(2.00)	3"	(76.2)	3"	(76.2)	36	.10	(.05)
NNP-16	800	(3.56)	4"	(101.6)	4"	(101.6)	24	.17	(.08)
NNP-36	1800	(8.00)	6"	(152.4)	6"	(152.4)	24	.39	(.18)
NNP-81	4050	(18.01)	9"	(228.6)	9"	(228.6)	Bulk	.87	(.39)
NNP-324	16200	(72.06)	18"	(457.2)	18"	(457.2)	6	3.50	(1.59)





Features: The CNP pad is made of oil-resistant neoprene. The pad has an alternate height rib pattern to minimize slip. Recommended load is 50 Lbs. (.22 kN) per inch² (.0006 m²) with a range of 25-70 Lbs. (.11-.31 kN) per inch² (.0006 m²). The CNP type is rated at 3/16" (4.7) deflection. For greater deflection, use multiple pads in layers.

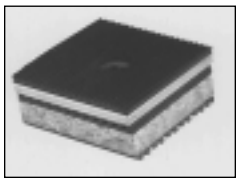
Typical Applications: Air conditioners, cooling towers, compressors, fans, generators, pumps, piping, process equipment, transformers, etc.

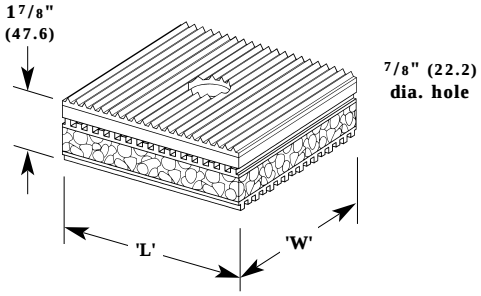
CNP Type - Cork and Ribbed Neoprene Pad

Use: Dampen noise and vibration in floor caused by medium and high speed equipment.

Part No.	Rated Load		Dimensions				Std. Pkg.	Wt. Each	
	Lbs.	kN	'L'		'W'			Lbs.	kg
CNP-4	200	(.89)	2"	(50.8)	2"	(50.8)	48	.07	(.03)
CNP-9	450	(2.00)	3"	(76.2)	3"	(76.2)	36	.16	(.07)
CNP-16	800	(3.56)	4"	(101.6)	4"	(101.6)	24	.28	(.13)
CNP-36	1800	(8.00)	6"	(152.4)	6"	(152.4)	24	.63	(.29)
CNP-81	4050	(18.01)	9"	(228.6)	9"	(228.6)	Bulk	1.40	(.64)
CNP-324	16200	(72.06)	18"	(457.2)	18"	(457.2)	6	5.60	(2.54)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.





Features: The CNNK pad is made of oil-resistant neoprene. The pad has an alternate height rib pattern to minimize slip. Recommended load is 50 Lbs. (.22 kN) per inch^2 (.0006 m^2) with a range of 25-70 Lbs. (.11-.31 kN) per inch^2 (.0006 m^2). The CNNK type is rated at 3/16" (4.7) deflection. For greater deflection, use multiple pads in layers.

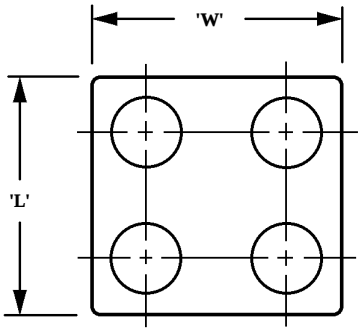
Typical Applications: Air conditioners, cooling towers, compressors, fans, generators, pumps, piping, process equipment, transformers, etc.

Note: Has 1/4" (6.3) thick steel plate for even weight distribution. Hole in center will accept up to 3/4" (19.0) bolt.

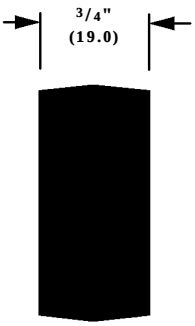
CNNK Type - Cork, Ribbed Neoprene and Steel

Use: Dampen noise and vibration in floor caused by medium and high speed equipment.

Part No.	Rated Load Lbs.	Rated Load kN	Dimensions 'L'		Dimensions 'W'		Std. Pkg.	Wt. Each Lbs.	Wt. Each kg
CNNK-4	200	(.89)	2"	(50.8)	2"	(50.8)	48	.40	(.18)
CNNK-9	450	(2.00)	3"	(76.2)	3"	(76.2)	36	.90	(.41)
CNNK-16	800	(3.56)	4"	(101.6)	4"	(101.6)	24	1.60	(.73)
CNNK-25	1250	(5.56)	5"	(127.0)	5"	(127.0)	24	2.50	(1.13)
CNNK-36	1800	(8.00)	6"	(152.4)	6"	(152.4)	Bulk	3.50	(1.59)
CNNK-64	3200	(14.23)	8"	(203.2)	8"	(203.2)	6	6.20	(2.81)



Features: The VRP pad is made of a natural rubber composition that will withstand a load of 45 Lbs. per 1" square. Rated deflection is 3/16" (4.7). Each square has 4 suction holes (1/2" (12.7) diameter) to provide a non-skid effect. The standard VRP pad has 81 squares that are 2" x 2" (50.8 x 50.8) making the pad itself 18" x 18" (457.2 x 457.2). These squares are easily cut or torn to desired sizes.



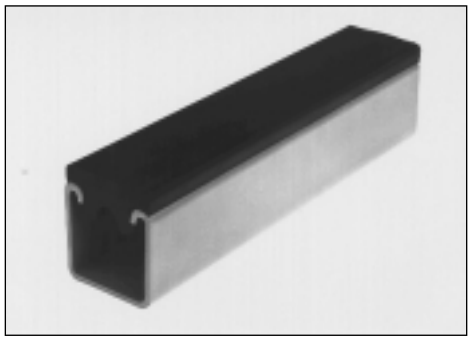
VRP Type - Rubber Cube Pad

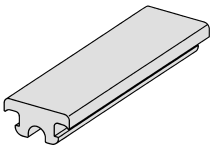
Use: Dampen noise and vibration in floor caused by medium and high speed equipment.

Part No.	Rated Load Lbs.	Rated Load kN	Dimensions 'L'		Dimensions 'W'		Std. Pkg.	Wt. Each Lbs.	Wt. Each kg
VRP-4	180	(.80)	2"	(50.8)	2"	(50.8)	Bulk	.10	(.05)
VRP-16	720	(3.20)	4"	(101.6)	4"	(101.6)	Bulk	.41	(.19)
VRP-324	14580	(64.85)	18"	(457.2)	18"	(457.2)	3	8.15	(3.70)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

VIBRA STRIP®

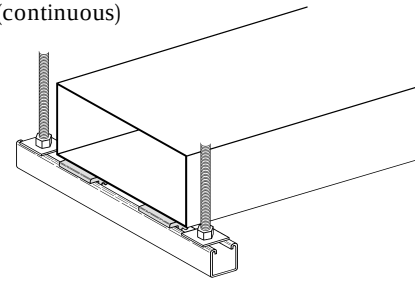




Use: Dampen noise and vibration of equipment when mounted on strut.

Features: Vibra Strip™ is made of 45 durometer neoprene that when inserted in channel slot, provides an excellent isolation medium between equipment, duct, piping, etc., and the support channel. The inherent quality of neoprene offers noise and vibration dampening qualities. Strip is furnished in 12" (304.8) lengths, may be cut to satisfy specific requirement. Longer lengths are available upon request.

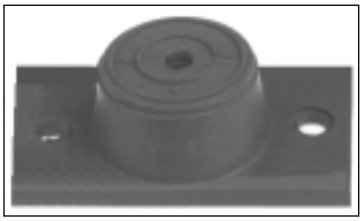
Temperature Range: -20°F to 212°F (continuous)

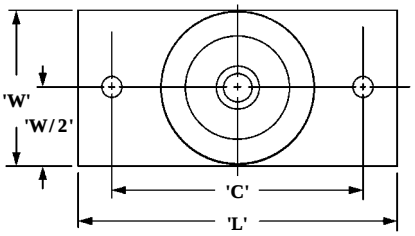


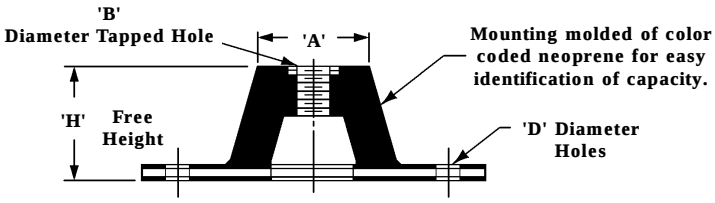
BVS Type - Vibra Strip™ for 1 5/8" (41.3) wide B-Line channel

Part No.	Max. Load Lbs. per Lineal In. Lbs.	kg/25.4 mm	Length		Std. Pkg.	Wt. Each Lbs.	kg
BVS-12	40	(18.1)	12"	(304.8)	25	.46	(.21)

MOLDED NEOPRENE MOUNTS







Use: Double (ND) deflection mount helps prevent noise and high frequency vibration (1200 RPM or greater) between equipment and solid support structures in non-critical areas.

Features: Color-coded for load identification. All metal parts are encapsulated by oil-resistant neoprene. Base of mount incorporates a non-skid backing that eliminates attachment hardware where no lateral or severe vertical motion is present.

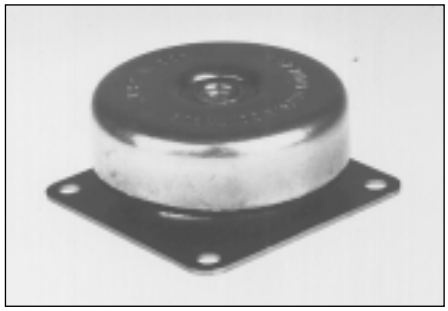
Typical Applications: Air handling units, fans, air conditioners, compressors, pumps, machine tools, motors, business machines, transformers, furnaces, etc.

ND Type - Double Deflection

Part No.	Color	Rated Load Lbs.	kN	Isolator Deflection		Dimensions in Inches 'L'	'W'	'H'	'A'	'B'	'C'	'D'	Wt. Each Lbs.	kg
NVD-1-A	Black	25-45	(.11-.20)	.38"	(9.53)									
NVD-1-B	Green	45-110	(.20-.49)	.38"	(9.53)	3 1/4" (82.5)	1 7/8" (47.6)	1 7/8" (47.6)	1 3/8" (34.9)	3/8" (9.5)	2 1/2" (63.5)	5/16" (7.9)	.19	(.09)
NVD-1-C	Red	110-210	(.49-.93)	.38"	(9.53)									
NVD-1-D	Gray	210-340	(.93-1.51)	.38"	(9.53)									
NVD-2-C	Green	230-380	(1.02-1.70)	.43"	(11.11)	4 1/4" (107.9)	2 1/2" (63.5)	2 1/8" (54.0)	1 7/8" (47.6)	1/2" (12.7)	3 1/4" (82.5)	7/16" (11.1)	.46	(.21)
NVD-2-D	Red	380-700	(1.70-3.11)	.43"	(11.11)									
NVD-3-B		550-930	(2.44-4.13)	.48"	(11.91)									
NVD-3-C	Black	930-1540	(2.44-4.13)	.48"	(11.91)	6" (152.4)	3 1/2" (88.9)	2 3/8" (60.3)	2 7/8" (73.0)	1/2" (12.7)	4 5/8" (117.5)	9/16" (14.3)	1.00	(.45)
NVD-3-D	Red	930-1920	(4.13-8.54)	.48"	(11.91)									

* Rated load in compression. Use 25% of rated load when in shear.

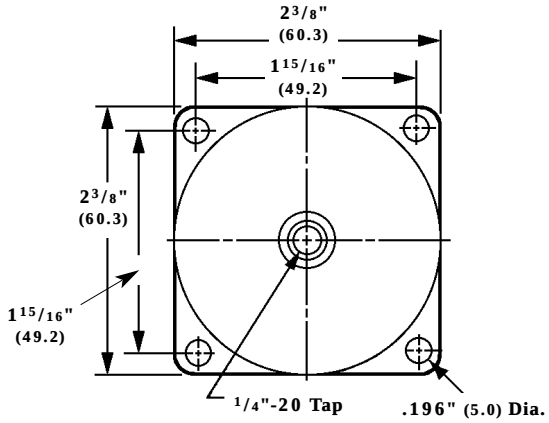
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



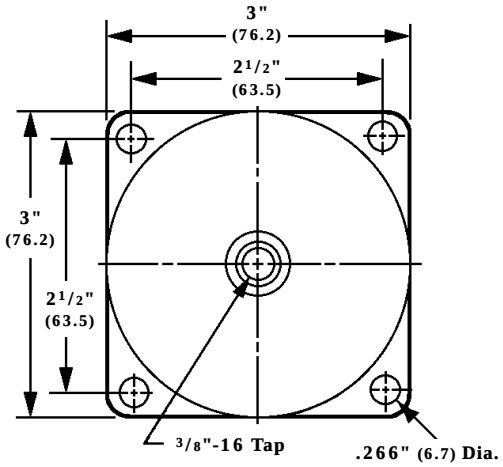
Use: Designed for the protection of sensitive electronic, electrical, and mechanical equipment from high frequency vibration and impact shock.

Features: Cup mounts accommodate multi-directional loading, can support loads radially and axially in both compression and tension. Effectively isolate frequencies above 45 Hz. Metal housing is zinc plated and furnished with either 1/4"-20 or 3/8"-16 tapped hole. The elastomer element is a high grade neoprene with excellent oil and ozone resistance.

Temperature Range: -20°F to 180°F.



CM1 Series

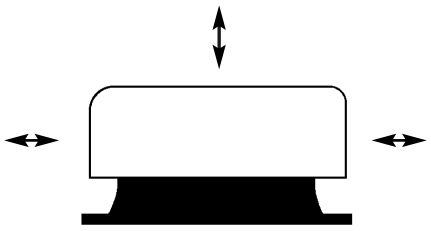


CM2 Series

Ideal for wall or ceiling mounts.

CM Type - Metal Housing and Neoprene

Part Number	Load Range Lbs.	Load Range kN	Tap Size	Wt. Each Lbs.	Wt. Each kg
CM1-14BNT	8 to 14	(.03-.06)	1/4"-20	.60	(.27)
CM1-24BNT	14 to 24	(.06-.10)	1/4"-20	.60	(.27)
CM1-38BNT	24 to 38	(.10-.17)	1/4"-20	.60	(.27)
CM1-60BNT	38 to 60	(.17-.26)	1/4"-20	.60	(.27)
CM2-30BNT	15 to 30	(.07-.13)	3/8"-16	.70	(.32)
CM2-50BNT	30 to 50	(.13-.22)	3/8"-16	.70	(.32)
CM2-80BNT	50 to 80	(.22-.35)	3/8"-16	.70	(.32)
CM2-110BNT	80 to 110	(.35-.49)	3/8"-16	.70	(.32)



Approximate Height
CM1 Series 1 1/8" (28.6)
CM2 Series 1 1/2" (38.1)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

FREE STANDING SPRING MOUNT

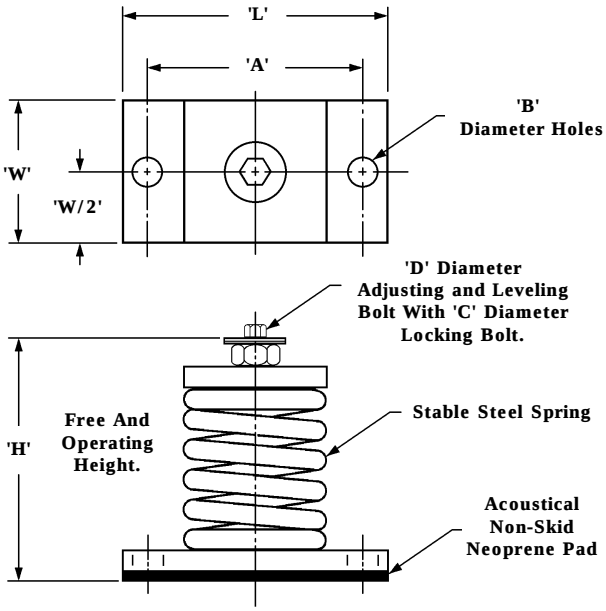
OML*/OM Type - Spring Mount

Use: The economical OM Series Free Standing Spring Mounts are utilized to isolate floor mounted equipment where transmission of noise and vibration (below 1200RPM) is apparent.
Note: *Not recommended when subject to wind loads and weight changes.*

Features: Spring is welded to lower load plate and upper compression plate. Mounting is facilitated by an adjustable leveling bolt. Base plate is furnished with a skid-resistant neoprene backing, making anchoring optional. Allows up to 2.10" (53.3) deflection (larger deflection mounts available).

Typical Applications: Refrigeration compressors, packaged air handling and refrigeration equipment, centrifugal fans, close coupled and base mounted pumps and similar apparatus. May also be used as a vibration dampening device for pipe risers.

Notes: *To ensure minimum effective vibration control, the spring mount must have a static deflection at least three times (3X) greater than the floor spans deflection.*
Spring devices are stable with a vertical and horizontal spring constant equal to one (Kx/Ky=1). A 50% additional run-out from rated capacity to solid load is also characteristic of spring type isolators.



* OML Series are Lower profile.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

OML*/OM Type - Spring Mount

Part No.	Rated Load Lbs.	Rated Load kN	Spring Deflection		Dimensions in Inches 'L'	'W'	'H'	'A'	'B'	'C'	'D'	Wt. Each Lbs.	Wt. Each kg
OML-1-101	25-50	(.11-.22)	1.20"	(30.5)									
OML-1-102	50-100	(.22-.44)	1.20"	(30.5)									
OML-1-103	100-150	(.44-.67)	1.20"	(30.5)									
OML-1-104	150-250	(.67-1.11)	1.10"	(27.9)	4 1/2" (114.3)	2" (50.8)	3 5/8" (92.1)	3 1/2" (88.9)	9/16" (14.3)	5/16" (7.9)	1/2" (12.7)	2.0	(.9)
OML-1-105	250-350	(1.11-1.55)	1.10"	(27.9)									
OML-1-106	350-450	(1.55-2.00)	1.00"	(25.4)									
OML-1-107	450-600	(2.00-2.67)	1.00"	(25.4)									
OM-1-171	75-150	(.33-.67)	1.30"	(33.0)									
OM-1-172	150-250	(.67-1.11)	1.30"	(33.0)									
OM-1-173	250-350	(1.11-1.55)	1.30"	(33.0)									
OM-1-174	350-500	(1.55-2.22)	1.30"	(33.0)	4 1/2" (114.3)	2" (50.8)	4 3/4" (120.6)	3 1/2" (88.9)	9/16" (14.3)	5/16" (7.9)	1/2" (12.7)	3.0	(1.4)
OM-1-175	500-600	(2.22-2.67)	1.10"	(27.9)									
OM-1-176	600-750	(2.67-3.34)	1.10"	(27.9)									
OM-1-177	750-900	(3.34-4.00)	1.10"	(27.9)									
OM-1-178	900-1100	(4.00-4.90)	1.00"	(25.4)									
OM-1-2010	75-150	(.33-.67)	2.10"	(53.3)									
OM-1-2100	150-275	(.67-1.22)	2.10"	(53.3)									
OM-1-2103	275-425	(1.22-1.90)	2.10"	(53.3)									
OM-1-2200	425-500	(1.90-2.22)	2.10"	(53.3)	6 1/4" (158.7)	4" (101.6)	7 5/8" (193.7)	5" (127.0)	9/16" (14.3)	3/8" (9.5)	3/4" (19.0)	12.0	(5.4)
OM-1-2202	500-650	(2.22-2.90)	2.10"	(53.3)									
OM-1-2203	650-775	(2.90-3.44)	2.10"	(53.3)									
OM-1-2300	775-1000	(3.44-4.45)	2.10"	(53.3)									
OM-1-2302	1000-1150	(4.45-5.11)	2.00"	(50.8)									

* OML Series are Lower profile.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

HOUSED - FAIL SAFE SPRING MOUNT

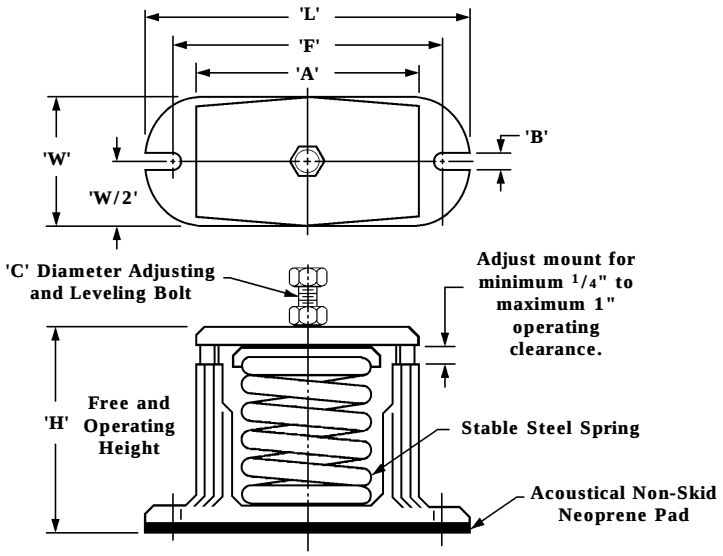
HMLE*/HME Type - Housed 1" (25.4) & 2" (50.8) Deflection Mounting (External Adjustment Bolt)

Use: HM Series Housed Spring Mounts are utilized to isolate floor mounted equipment where transmission of noise and vibration (below 1200 RPM) is apparent. This type of mount is most commonly used to support equipment on upper floors where structural deflection may occur.

Features: Telescopic two-piece cast iron housing to stabilize spring where external motion may occur. Slotted mounting holes on base with skid-resistant pad. Mounting is facilitated by an adjustable leveling bolt. (If bolt mount is not required, a skid-resistant pad on top load surface is available in the HMLT/HMT series shown on pages 162 & 163). Springs are color-coded for load identification. Housing components are isolated by rubber acoustical pads. Larger capacity mountings are available.

Typical Applications: Compressors, air handling units, centrifugal fans, pumps and other similar applications. May also be used as a vibration dampening device for pipe risers.

Note: *To ensure minimum effective vibration control, the spring mount must have a static deflection at least three times (3X) greater than the floor spans deflection.*
Spring devices are stable with a vertical and horizontal spring constant equal to one (Kx/Ky=1). A 50% additional run-out from rated capacity to solid load is also characteristic of spring type isolators.



*HMLE Series are Lower profile.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

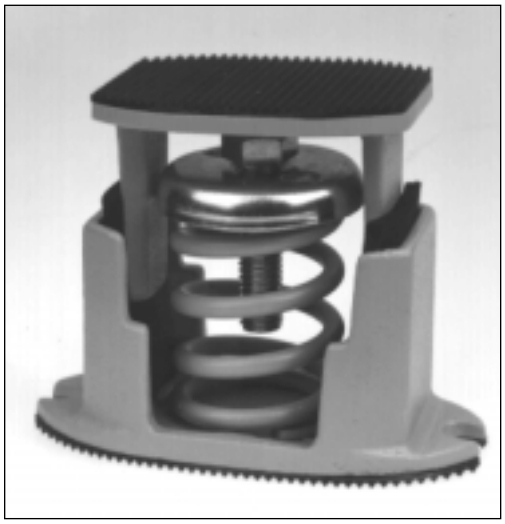
HMLE*/HME Type -
Housed 1" (25.4) & 2" (50.8) Deflection Mounting
(External Adjustment Bolt)

Part No.	Spring Color	Rated Load Lbs.	Rated Load kN	Spring Deflection		Dimensions in Inches 'L'	'W'	'H'	'F'	'A'	'B'	'C'	Wt. Each Lbs./kg
HMLE-1-101	Yellow	25-50	(.11-.22)	1.20"	(30.5)								
HMLE-1-102	Blue	50-100	(.22-.44)	1.20"	(30.5)								
HMLE-1-103	Brown	100-150	(.44-.67)	1.20"	(30.5)								
HMLE-1-104	Black	150-250	(.67-1.11)	1.00"	(25.4)	5 1/8" (130.2)	2 1/2" (63.5)	3 3/4" (95.2)	4 3/4" (120.6)	3 1/2" (88.9)	7/16" (11.1)	3/8" (9.5)	5.0 (2.3)
HMLE-1-105	Gray	250-350	(1.11-1.55)	1.00"	(25.4)								
HMLE-1-106	Red	350-450	(1.55-2.00)	1.00"	(25.4)								
HMLE-1-107	Green	450-600	(2.00-2.67)	1.00"	(25.4)								
HME-1-121	Black	45-90	(.20-.40)	1.40"	(35.5)								
HME-1-122	Green	90-120	(.40-.53)	1.40"	(35.5)								
HME-1-123	Yellow	120-175	(.53-.78)	1.40"	(35.5)								
HME-1-124	Brown	175-250	(.78-1.11)	1.30"	(33.0)								
HME-1-125	Red	250-330	(1.11-1.47)	1.30"	(33.0)								
HME-1-126	Purple	330-450	(1.47-2.00)	1.30"	(33.0)	6 3/8" (161.9)	2 5/8" (66.7)	5 1/8" (130.2)	5 1/2" (139.7)	4" (101.6)	5/8" (15.9)	1/2" (12.7)	11.0 (5.0)
HME-1-127	Blue	450-600	(2.00-2.67)	1.20"	(30.5)								
HME-1-128	Orange	600-750	(2.67-3.34)	1.20"	(30.5)								
HME-1-129	Pink	750-900	(3.34-4.00)	1.10"	(27.9)								
HME-1-130	Gray	900-1100	(4.00-4.90)	1.00"	(25.4)								
HME-1-131	Wht/Blk	1100-1300	(4.90-5.78)	1.00"	(25.4)								
HME-1-132	Gold/Blk	1300-1500	(5.78-6.70)	0.90"	(22.8)								
HME-1-221	Black	48-90	(.21-.40)	2.00"	(50.8)								
HME-1-222	White	90-120	(.40-.53)	2.00"	(50.8)								
HME-1-223	Yellow	120-175	(.53-.78)	2.00"	(50.8)								
HME-1-224	Brown	175-250	(.78-1.11)	2.00"	(50.8)	6 3/8" (161.9)	2 5/8" (66.7)	5 5/8" (142.9)	5 1/2" (139.7)	4" (101.6)	5/8" (15.9)	1/2" (12.7)	11.0 (5.0)
HME-1-225	Red	250-330	(1.11-1.47)	2.00"	(50.8)								
HME-1-226	Purple	330-450	(1.47-2.00)	2.00"	(50.8)								
HME-1-227	Blue/Blk	450-600	(2.00-2.67)	2.00"	(50.8)								
HME-1-228	Orn/Blk	600-750	(2.67-3.34)	2.00"	(50.8)								
HME-2-225	Red	500-660	(2.22-2.93)	2.00"	(50.8)								
HME-2-226	Purple	660-900	(2.93-4.00)	2.00"	(50.8)	9 3/4" (247.6)	2 5/8" (66.7)	5 3/4" (146.0)	8 3/4" (222.2)	7 3/8" (187.3)	5/8" (15.9)	5/8" (15.9)	19.0 (8.6)
HME-2-227	Blue/Blk	900-1200	(4.00-5.34)	2.00"	(50.8)								
HME-2-228	Orn/Blk	1200-1500	(5.34-6.67)	2.00"	(50.8)								

*HMLE Series are Lower profile.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

HMLT*/HMT Type - Housed 1" (25.4) & 2" (50.8) Deflection Mounting (Skid Resistant Neoprene Top & Internal Adjustment Bolt)

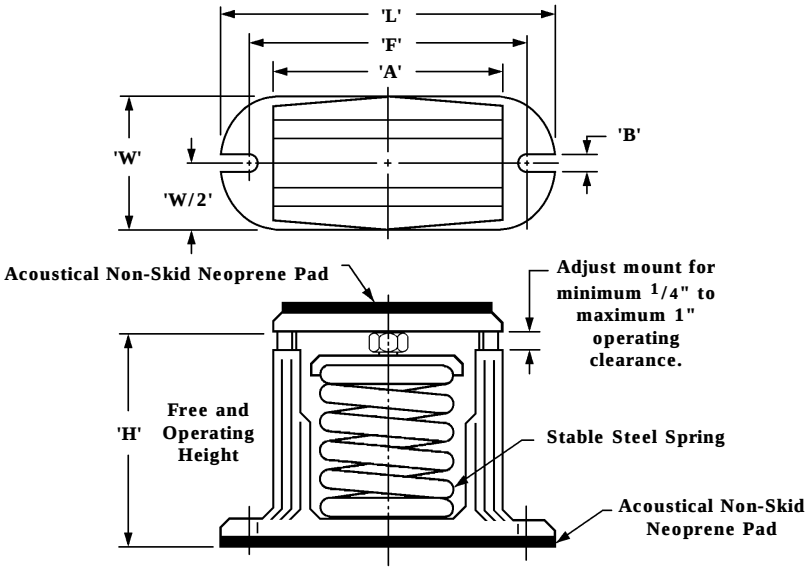


Use: HM Series Housed Spring Mounts are utilized to isolate floor mounted equipment where transmission of noise and vibration (below 1200 RPM) is apparent. This type of mount is most commonly used to support equipment on upper floors where structural deflection may occur.

Features: Telescopic two-piece cast iron housing to stabilize spring where external motion may occur. Slotted mounting holes on base with skid-resistant pad. Mounting is facilitated by an internal adjustable leveling bolt. Springs are color-coded for load identification. Housing components are isolated by rubber acoustical pads. Larger capacity mountings are available.

Typical Applications: Compressors, air handling units, centrifugal fans, pumps and other similar applications. May also be used as a vibration dampening device for pipe risers.

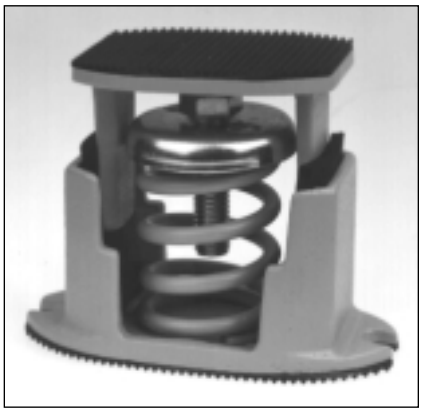
Note: *To ensure minimum effective vibration control, the spring mount must have a static deflection at least three times (3X) greater than the floor spans deflection.*
Spring devices are stable with a vertical and horizontal spring constant equal to one (Kx/Ky=1). A 50% additional run-out from rated capacity to solid load is also characteristic of spring type isolators.



*HMLT Series are Lower profile.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

HMLT*/HMT Type - Housed 1" (25.4) & 2" (50.8) Deflection Mounting (Skid Resistant Neoprene Top & Internal Adjustment Bolt)



Part No.	Spring Color	Rated Load Lbs.	Rated Load kN	Spring Deflection		Dimensions in Inches 'L'	'W'	'H'	'F'	'A'	'B'	Wt. Each Lbs.	Wt. Each kg
HMLT-1-101	Yellow	25-50	(.11-.22)	1.20"	(30.5)								
HMLT-1-102	Blue	50-100	(.22-.44)	1.20"	(30.5)								
HMLT-1-103	Brown	100-150	(.44-.67)	1.20"	(30.5)								
HMLT-1-104	Black	150-250	(.67-1.11)	1.00"	(25.4)	5 1/8" (130.2)	2 1/2" (63.5)	4 1/8" (104.8)	4 3/4" (120.6)	3 1/2" (88.9)	7/16" (11.1)	3.0	(1.4)
HMLT-1-105	Gray	250-350	(1.11-1.55)	1.00"	(25.4)								
HMLT-1-106	Red	350-450	(1.55-2.00)	1.00"	(25.4)								
HMLT-1-107	Green	450-600	(2.00-2.67)	1.00"	(25.4)								
HMT-1-121	Black	45-90	(.20-.40)	1.40"	(35.5)								
HMT-1-122	Green	90-120	(.40-.53)	1.40"	(35.5)								
HMT-1-123	Yellow	120-175	(.53-.78)	1.40"	(35.5)								
HMT-1-124	Brown	175-250	(.78-1.11)	1.30"	(33.0)								
HMT-1-125	Red	250-330	(1.11-1.47)	1.30"	(33.0)								
HMT-1-126	Purple	330-450	(1.47-2.00)	1.30"	(33.0)	6 3/8" (161.9)	2 5/8" (66.7)	5 5/8" (142.9)	5 1/2" (139.7)	4" (101.6)	5/8" (15.9)	8.0	(3.6)
HMT-1-127	Blue	450-600	(2.00-2.67)	1.20"	(30.5)								
HMT-1-128	Orange	600-750	(2.67-3.34)	1.20"	(30.5)								
HMT-1-129	Pink	750-900	(3.34-4.00)	1.10"	(27.9)								
HMT-1-130	Gray	900-1100	(4.00-4.90)	1.00"	(25.4)								
HMT-1-131	Wht/Blk	1100-1300	(4.90-5.78)	1.00"	(25.4)								
HMT-1-132	Gold/Blk	1300-1500	(5.78-6.70)	0.90"	(22.8)								

*HMLT Series are Lower profile.

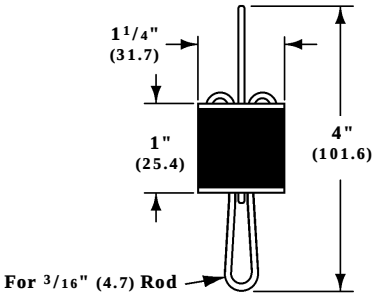
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

VIBRATION HANGERS

Use: ANH Series Rubber Hangers are designed as an economical hanger to dampen noise and vibration in light duty applications.

Features: Color-coded insert for load identification. Loads up to 200 Lbs. (2.01 kN) at a .20" (5.1) deflection. Steel pressure plates on top and bottom of insert. Hanging device is 11 gauge cold drawn steel wire that accommodates up to 3/16" (4.7) rod or bolt attachments. Specify part number and color for desired load.

Typical Applications: Suspended ceilings and hot or cold air ducts.



ANH Type - Acoustical Hanger

Part No.	Color Code	Rated Load Lbs.	Rated Load kN	Rated Deflection		Wt. Each Lbs.	Wt. Each kg
ANH-20	Red	65	(.29)	.20"	(5.1)	.16	(.07)
ANH-40	Black	120	(.53)	.20"	(5.1)	.16	(.07)
ANH-70	Blue	200	(.89)	.20"	(5.1)	.16	(.07)

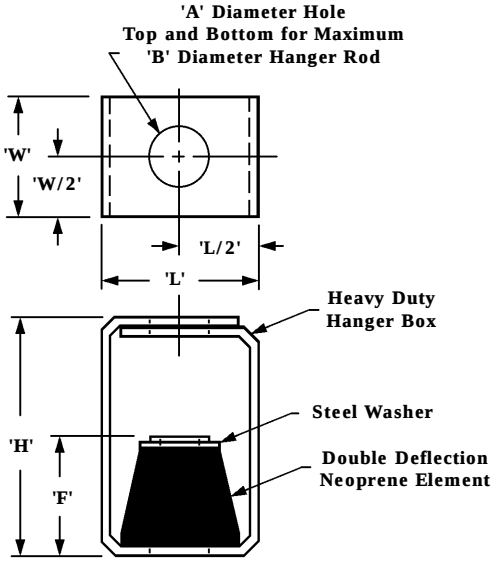
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

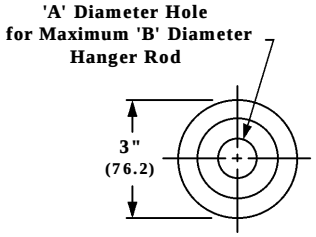
Use: RH Series Neoprene Hangers are suggested to dampen noise and minor vibration from suspended high speed equipment (1200 RPM or greater). To be used in-line with all thread rod for single and trapeze type support systems.

Features: Color-coded neoprene in-shear insert for load identification. Loads to 2000 Lbs. with deflections to .50" (12.7). RH hangers are available with a 30° rod swing (must specify). Hanger units are shipped assembled.

Typical Applications: Suspended mechanical equipment, exhaust fans, ductwork, piping, ceilings, etc. When equipment is suspended from vibration sensitive spans, avoid using RH type hangers. Higher deflection hangers such as the HS and HES series are recommended.

Note: *Vibration hangers should not come in direct contact with equipment being suspended.*





Dimensions of Neoprene Element

RH Type - Neoprene Hanger

Part No.	Rated Load Lbs.	Rated Load kN	Isolator Deflection		Dimensions in Inches 'L'	'W'	'H'	'F'	'A'	'B'	Wt. Each Lbs.	Wt. Each kg
RHB-Orange	60-100	(.27-.44)	.50"	(12.7)	2 3/4"	2"	4 1/2"	2"	3/4"	5/8"	2.0	(.9)
RHB-Red	100-175	(.44-.78)	.50"	(12.7)	(69.8)	(50.8)	(114.3)	(50.8)	(19.0)	(15.9)		
RHC-Green	175-300	(.78-1.33)	.50"	(12.7)	2 3/4"	2"	4 1/2"	2"	3/4"	5/8"	3.0	(1.4)
RHC-Purple	300-700	(1.33-3.11)	.50"	(12.7)	(69.8)	(50.8)	(114.3)	(50.8)	(19.0)	(15.9)		
RHD-Yellow	700-1100	(3.11-4.90)	.50"	(12.7)	3"	2"	7"	2"	3/4"	5/8"	4.0	(1.8)
RHD-Pink	1100-2000	(4.90-8.90)	.50"	(12.7)	(76.2)	(50.8)	(177.8)	(50.8)	(19.0)	(15.9)		

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

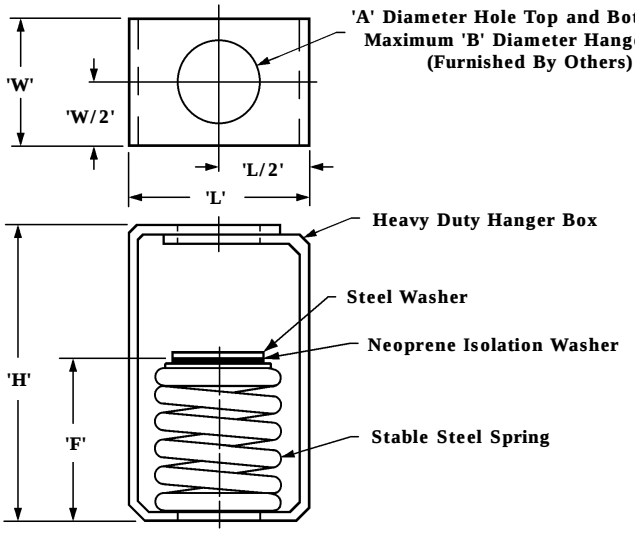
HSL*/HS Type - Vibration Spring Hanger

Use: HS Series Spring Hangers should be utilized to minimize damaging vibration from suspended low frequency equipment (below 1200 RPM). Frequency below 600 RPM require springs with deflection 2.0" (50.8) or greater. Hangers also absorb shock and limit noise in critical areas.

Features: Color-coded spring for load identification. Loads up to 1500 Lbs. (6.67 kN), deflections up to 2.10" (53.3). Spring assembly includes neoprene washer for additional noise isolation. Options available include: 30° rod swing; scale with pointer; and positioning plate or pre-compressed spring to hold equipment at fixed elevations (see bottom page 167). Any or all of these options must be specified. Hanger units are shipped assembled.

Typical Applications: Fans, ductwork, piping, suspended ceilings, etc. To be used in-line with all thread rod for single and trapeze type support systems.

Notes: *Vibration hangers should not come in direct contact with equipment being suspended.* Spring devices are stable with a vertical and horizontal spring constant equal to one (Kx/Ky=1). A 50% additional run-out from rated capacity to solid load is also characteristic of spring type isolators.

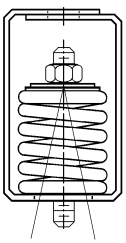


*HSL Series are Lower profile.

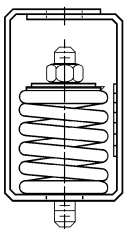
HSL*/HS Type - Vibration Spring Hanger

Part No.	Spring Color	Rated Load Lbs.	Rated Load kN	Spring Deflection		Dimensions in Inches 'L'	'W'	'H'	'F'	'A'	'B'	Wt. Each Lbs.	Wt. Each kg
HSL-1-101	Yellow	25-50	(.11-.22)	1.20"	(30.5)								
HSL-1-102	Blue	50-100	(.22-.44)	1.20"	(30.5)								
HSL-1-103	Brown	100-150	(.44-.67)	1.20"	(30.5)								
HSL-1-104	Black	150-250	(.67-1.11)	1.10"	(27.9)	2 3/4" (69.8)	2" (50.8)	4 1/2" (114.3)	3 1/8" (79.4)	7/8" (22.2)	5/8" (15.9)	2.0	(.9)
HSL-1-105	Gray	250-350	(1.11-1.55)	1.10"	(25.4)								
HSL-1-106	Red	350-450	(1.55-2.00)	1.00"	(25.4)								
HSL-1-107	Green	450-600	(2.00-2.67)	1.00"	(25.4)								
HS-1-121	Black	45-90	(.20-.40)	1.40"	(35.5)								
HS-1-122	Green	90-120	(.40-.53)	1.40"	(35.5)								
HS-1-123	Yellow	120-175	(.53-.78)	1.40"	(35.5)								
HS-1-124	Brown	175-250	(.78-1.11)	1.30"	(33.0)								
HS-1-125	Red	250-330	(1.11-1.47)	1.30"	(33.0)								
HS-1-126	Purple	330-450	(1.47-2.00)	1.30"	(33.0)								
HS-1-127	Blue	450-600	(2.00-2.67)	1.20"	(30.5)	3" (76.2)	2" (50.8)	7" (177.8)	4 5/8" (117.5)	1" (25.4)	3/4" (19.0)	4.5	(2.0)
HS-1-128	Orange	600-750	(2.67-3.33)	1.20"	(30.5)								
HS-1-129	Pink	750-900	(3.33-4.00)	1.10"	(27.9)								
HS-1-130	Gray	900-1100	(4.00-4.89)	1.00"	(25.4)								
HS-1-131	Wht/Blk	1100-1300	(4.89-5.78)	1.00"	(25.4)								
HS-1-132	Gold/Blk	1300-1500	(5.78-6.67)	0.90"	(22.8)								
HS-1-221	Black	45-90	(.20-.40)	2.00"	(50.8)								
HS-1-222	White	90-120	(.40-.53)	2.00"	(50.8)								
HS-1-223	Yellow	120-175	(.53-.78)	2.00"	(50.8)								
HS-1-224	Brown	175-250	(.78-1.11)	2.00"	(50.8)								
HS-1-225	Red	250-330	(1.11-1.47)	2.00"	(50.8)	3" (76.2)	2" (50.8)	7" (177.8)	5 1/8" (130.2)	1" (25.4)	3/4" (19.0)	8.0	(3.6)
HS-1-226	Purple	330-450	(1.47-2.00)	2.00"	(50.8)								
HS-1-227	Blue/Blk	450-600	(2.00-2.67)	2.00"	(50.8)								
HS-1-228	Orn/Blk	600-750	(2.67-3.33)	2.00"	(50.8)								
HS-1-204	NA	350-500	(1.55-2.22)	2.10"	(53.3)								
HS-1-205	NA	500-800	(2.22-3.56)	2.10"	(53.3)	3 1/2" (88.9)	2" (50.8)	9 1/4" (234.9)	6 1/2" (165.1)	1" (25.4)	3/4" (19.0)	8.0	(3.6)
HS-1-206	NA	800-1200	(3.56-5.34)	2.10"	(53.3)								

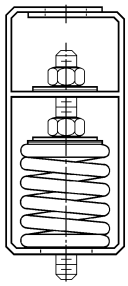
Ordering information: Specify desired 'option type' after part number. Option 1 is standard.



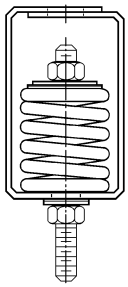
Option 1
Furnished with hanger box to accept 30° rod swing.



Option 2
Furnished with a scale and pointer to insure specified spring deflection.



Option 3
Furnished with a positioning plate to hold equipment at a fixed elevation during installation.



Option 4
Furnished with spring pre-compressed (75%) to hold equipment at a fixed elevation during installation.

*HMLE Series are Lower profile.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

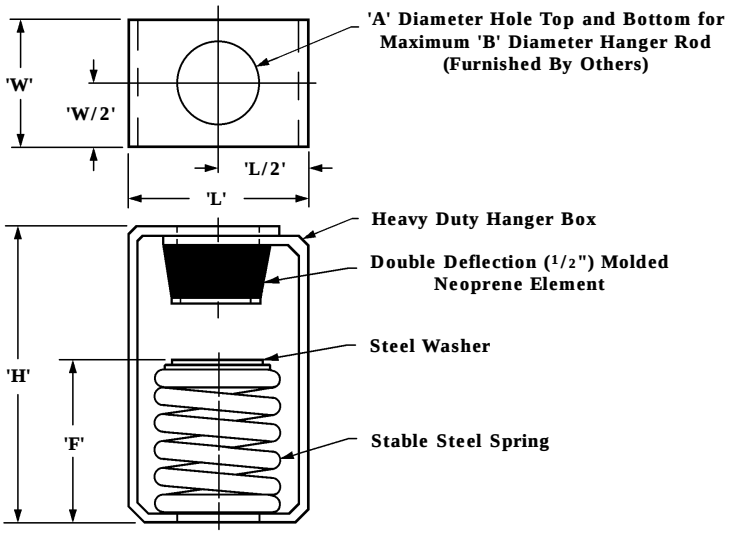
HESL*/HES Type - Combination Spring & Neoprene

Use: HES Series Vibration Spring Hangers are suited to isolate both high and low frequency vibration generated by mechanical equipment. The high deflection spring addresses the vibration while the neoprene insert dampens noise. HES hangers are recommended for critical areas and with vibration sensitive spans.

Features: Color-coded spring for load identification and double deflection neoprene element. Loads up to 1500 Lbs. (6.67 kN), deflections up to 2.50" (63.5). Options available include: 30° rod swing; scale with pointer; and positioning plate or pre-compressed spring to hold equipment at fixed elevations (see bottom page 169). Any or all of these options must be specified. Hanger units are shipped assembled.

Typical Applications: Fan equipment, ductwork, piping, suspended ceilings, etc. To be used in-line with all thread rod for single and trapeze type support systems.

Note: *Vibration hangers should not come in direct contact with equipment being suspended.* Spring devices are stable with a vertical and horizontal spring constant equal to one (Kx/Ky=1). A 50% additional run-out from rated capacity to solid load is also characteristic of spring type isolators.

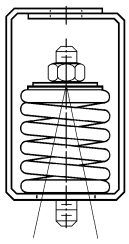


*HESL Series are Lower profile.

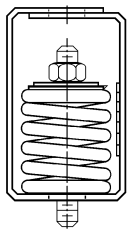
HESL*/HES Type - Combination Spring & Neoprene

Part No.	Spring Color	Rated Load Lbs.	Rated Load kN	Spring Deflection		Dimensions in Inches 'L'	'W'	'H'	'F'	'A'	'B'	Wt. Each Lbs.	Wt. Each kg
HESL-1-101	Yellow	25-50	(.11-.22)	1.70"	(43.2)								
HESL-1-102	Blue	50-100	(.22-.44)	1.70"	(43.2)								
HESL-1-103	Brown	100-150	(.44-.67)	1.70"	(43.2)								
HESL-1-104	Black	150-250	(.67-1.11)	1.60"	(40.6)	3" (76.2)	2" (50.8)	7" (177.8)	3 1/8" (79.4)	7/8" (22.2)	3/4" (19.0)	4.0	(1.8)
HESL-1-105	Gray	250-350	(1.11-1.55)	1.60"	(40.6)								
HESL-1-106	Red	350-450	(1.55-2.00)	1.50"	(38.1)								
HESL-1-107	Green	450-600	(2.00-2.67)	1.50"	(38.1)								
HES-1-121	Black	45-90	(.20-.40)	1.90"	(48.2)								
HES-1-122	Green	90-120	(.40-.53)	1.90"	(48.2)								
HES-1-123	Yellow	120-175	(.53-.78)	1.90"	(48.2)								
HES-1-124	Brown	175-250	(.78-1.11)	1.80"	(45.7)								
HES-1-125	Red	250-330	(1.11-1.47)	1.80"	(45.7)								
HES-1-126	Purple	330-450	(1.47-2.00)	1.80"	(45.7)	3 1/2" (88.9)	2" (50.8)	9 1/4" (234.9)	4 5/8" (117.5)	1" (25.4)	3/4" (19.0)	11.0	(5.0)
HES-1-127	Blue	450-600	(2.00-2.67)	1.70"	(43.2)								
HES-1-128	Orange	600-750	(2.67-3.33)	1.70"	(43.2)								
HES-1-129	Pink	750-900	(3.33-4.00)	1.60"	(40.6)								
HES-1-130	Gray	900-1100	(4.00-4.89)	1.50"	(38.1)								
HES-1-131	Wht/Blk	1100-1300	(4.89-5.78)	1.50"	(38.1)								
HES-1-132	Gold/Blk	1300-1500	(5.78-6.67)	1.40"	(35.5)								
HES-1-221	Black	45-90	(.20-.40)	2.50"	(63.5)								
HES-1-222	White	90-120	(.40-.53)	2.50"	(63.5)								
HES-1-223	Yellow	120-175	(.53-.78)	2.50"	(63.5)								
HES-1-224	Brown	175-250	(.78-1.11)	2.50"	(63.5)	3 1/2" (88.9)	2" (50.8)	9 1/4" (234.9)	5 1/8" (130.2)	1" (25.4)	3/4" (19.0)	12.0	(5.4)
HES-1-225	Red	250-330	(1.11-1.47)	2.50"	(63.5)								
HES-1-226	Purple	330-450	(1.47-2.00)	2.50"	(63.5)								
HES-1-227	Blue/Blk	450-600	(2.00-2.67)	2.50"	(63.5)								
HES-1-228	Orn/Blk	600-750	(2.67-3.33)	2.50"	(63.5)								

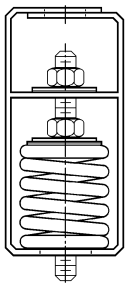
Ordering information: Specify desired 'option type' after part number. Option 1 is standard.



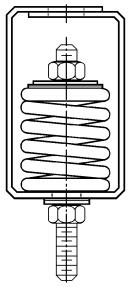
Option 1
Furnished with hanger box to accept 30° rod swing. (Standard)



Option 2
Furnished with a scale and pointer to insure specified spring deflection.



Option 3
Furnished with a positioning plate to hold equipment at a fixed elevation during installation.



Option 4
Furnished with spring pre-compressed (75%) to hold equipment at a fixed elevation during installation.

*HESL Series are Lower profile.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

ISOLATION SPRING HANGER

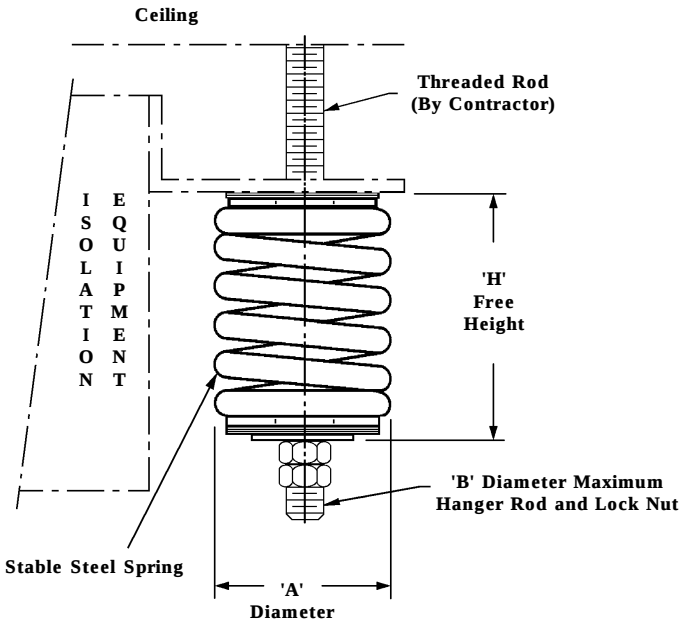
SHE Type - Isolation Spring Hanger

Use: SHE Series Isolation Hangers are general purpose vibration isolation springs. Spring isolators are used on platform and trapeze type support assemblies in non-critical areas for low frequency vibration.

Features: Color-coded spring for load identification. Loads up to 1500 Lbs. (6.67 kN), deflections up to 1.40" (35.5). Spring assembly includes steel load washers with neoprene element for additional noise isolation. Spring units are shipped assembled. Larger loads available upon request.

Typical Applications: Use in-line with hanger rod below strut or angle iron trapeze systems, under two rod pipe rollers, or simply beneath mounting device of suspended mechanical equipment; i.e. fans, piping, ductwork, etc.

Note: Spring devices are stable with a vertical and horizontal spring constant equal to one (Kx/Ky=1). A 50% additional run-out from rated capacity to solid load is also characteristic of spring type isolators.



All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

SHE Type - Isolation Spring Hanger

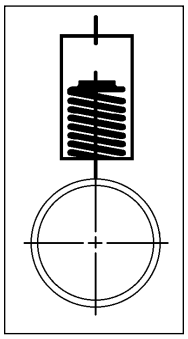
Part No.	Spring Color	Rated Load Lbs.	Rated Load kN	Spring Deflection		Dimensions in Inches 'A'	Dimensions in Inches 'B'	Dimensions in Inches 'H'	Wt. Each Lbs.	Wt. Each kg
SHE-1-101	Yellow	25-50	(.11-.22)	1.20"	(30.5)					
SHE-1-102	Blue	50-100	(.22-.44)	1.20"	(30.5)					
SHE-1-103	Brown	100-150	(.44-.67)	1.20"	(30.5)					
SHE-1-104	Black	150-250	(.67-1.11)	1.10"	(27.9)	2" (50.8)	5/8" (15.9)	3 3/8" (85.7)	1.0	(.4)
SHE-1-105	Gray	250-350	(1.11-1.55)	1.10"	(27.9)					
SHE-1-106	Red	350-450	(1.55-2.00)	1.00"	(25.4)					
SHE-1-107	Green	450-600	(2.00-2.67)	1.00"	(25.4)					
SHE-1-121	Black	45-90	(.20-.40)	1.40"	(35.5)					
SHE-1-122	Green	90-120	(.40-.53)	1.40"	(35.5)					
SHE-1-123	Yellow	120-175	(.53-.78)	1.40"	(35.5)					
SHE-1-124	Brown	175-250	(.78-1.11)	1.30"	(33.0)					
SHE-1-125	Red	250-330	(1.11-1.47)	1.30"	(33.0)					
SHE-1-126	Purple	330-450	(1.47-2.00)	1.30"	(33.0)	2" (50.8)	3/4" (19.0)	4 5/8" (117.5)	2.2	(1.0)
SHE-1-127	Blue	450-600	(2.00-2.67)	1.20"	(30.5)					
SHE-1-128	Orange	600-750	(2.67-3.33)	1.20"	(30.5)					
SHE-1-129	Pink	750-900	(3.33-4.00)	1.10"	(27.9)					
SHE-1-130	Gray	900-1100	(4.00-4.89)	1.00"	(25.4)					
SHE-1-131	Wht/Blk	1100-1300	(4.89-5.78)	1.00"	(25.4)					
SHE-1-132	Gold/Blk	1300-1500	(5.78-6.67)	0.90"	(22.8)					

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

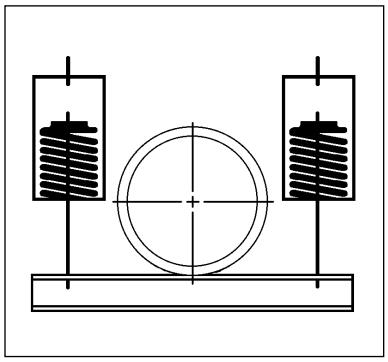
SPRING & NEOPRENE HANGER SELECTION

B-Line Series HS and HES Spring & Neoprene Hanger selections for trapeze hung water filled piping based on 10 foot spacing between hangers.

Nominal Pipe Size		Weight of Pipe Filled With Water Lbs./Ft.	kg/m	HS Type Hanger Selection	HES Type Hanger Selection
1"	(25)	3	(4.4)	HSL-1-101	HESL-1-101
1 1/4"	(32)	4	(5.9)	HSL-1-102	HESL-1-102
1 1/2"	(40)	5	(7.4)	HSL-1-102	HESL-1-102
2"	(50)	7	(10.4)	HSL-1-102	HESL-1-102
2 1/2"	(65)	10	(14.9)	HSL-1-103	HESL-1-103
3"	(80)	13	(19.3)	HSL-1-104	HESL-1-104
4"	(100)	19	(28.3)	HSL-1-104	HESL-1-104
5"	(125)	27	(40.2)	HSL-1-106	HESL-1-106
6"	(150)	35	(52.1)	HS-1-127	HES-1-127
8"	(200)	56	(83.3)	HS-1-128	HES-1-128
10"	(250)	81	(120.5)	HS-1-130	HES-1-130
12"	(300)	110	(163.7)	HS-1-131	HES-1-131
14"	(350)	125	(186.0)	HS-1-132	HES-1-132



Nominal Pipe Size		Weight of Pipe Filled With Water Lbs./Ft.	kg/m	HS Type Hanger Selection	HES Type Hanger Selection
1"	(25)	3	(4.4)	(2) HSL-1-101	(2) HESL-1-101
1 1/4"	(32)	4	(5.9)	(2) HSL-1-101	(2) HESL-1-101
1 1/2"	(40)	5	(7.4)	(2) HSL-1-101	(2) HESL-1-101
2"	(50)	7	(10.4)	(2) HSL-1-101	(2) HESL-1-101
2 1/2"	(65)	10	(14.9)	(2) HSL-1-102	(2) HESL-1-102
3"	(80)	13	(19.3)	(2) HSL-1-102	(2) HESL-1-102
4"	(100)	19	(28.3)	(2) HSL-1-103	(2) HESL-1-103
5"	(125)	27	(40.2)	(2) HSL-1-104	(2) HESL-1-104
6"	(150)	35	(52.1)	(2) HS-1-124	(2) HES-1-124
8"	(200)	56	(83.3)	(2) HS-1-126	(2) HES-1-126
10"	(250)	81	(120.5)	(2) HS-1-127	(2) HES-1-127
12"	(300)	110	(163.7)	(2) HS-1-128	(2) HES-1-128
14"	(350)	125	(186.0)	(2) HS-1-129	(2) HES-1-129

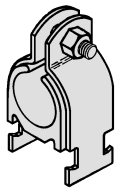


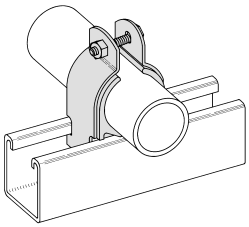
The above charts are for reference only. Applicable codes require different support spans thus selection of spring hanger size may change. Calculate as follows:

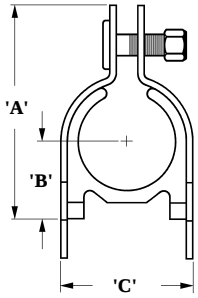
Wt. per Ft. (Lbs.) x Support Span = Load Requirement
(Refer to hanger sizing charts)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

BVT SERIES VIBRACLAMPS®







- Easy one tool installation.
- Temperature Range: -40°F to +300°F
- Dampens vibration and noise.
- Eliminates galvanic corrosion due to metal to metal contact.
- Resists most industrial oils and solvents.
- Secures tubing firmly to strut channel.

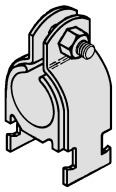
Part No.	Copper and Steel Tubing O.D. Size		Copper Tubing Size		Dimensions in Inches 'A'		'B'		'C'		Wt. Each Lbs.	kg
BVT025	1/4"	(6.3)	1/8"	(3)	1.22"	(30.9)	0.19"	(4.8)	0.49"	(12.4)	.11	(.05)
BVT037	3/8"	(9.5)	1/4"	(6)	1.36"	(34.5)	0.25"	(6.3)	0.61"	(15.5)	.12	(.05)
BVT050	1/2"	(12.7)	3/8"	(10)	1.49"	(37.8)	0.31"	(7.8)	0.74"	(18.8)	.14	(.06)
BVT062	5/8"	(15.9)	1/2"	(15)	1.62"	(41.1)	0.38"	(9.6)	0.86"	(21.8)	.15	(.07)
BVT075	3/4"	(19.0)	5/8"	(17)	1.87"	(47.4)	0.50"	(12.7)	1.15"	(29.2)	.19	(.08)
BVT087	7/8"	(22.2)	3/4"	(20)	2.00"	(50.8)	0.56"	(14.2)	1.27"	(32.2)	.21	(.09)
BVT112	1 1/8"	(28.6)	1"	(25)	2.25"	(57.1)	0.69"	(17.5)	1.52"	(38.6)	.26	(.12)
BVT137	1 3/8"	(34.9)	1 1/4"	(32)	2.51"	(63.7)	0.81"	(20.6)	1.78"	(45.2)	.38	(.17)
BVT162	1 5/8"	(41.3)	1 1/2"	(40)	3.00"	(76.2)	1.00"	(25.4)	2.20"	(55.9)	.40	(.18)
BVT212	2 1/8"	(54.0)	2"	(50)	3.52"	(89.4)	1.25"	(31.7)	2.70"	(68.6)	.58	(.26)
BVT262	2 5/8"	(66.6)	2 1/2"	(65)	4.02"	(102.1)	1.50"	(38.1)	3.20"	(81.3)	.55	(.25)
BVT312	3 1/8"	(79.4)	3"	(80)	4.53"	(115.0)	1.75"	(44.4)	3.70"	(93.9)	.64	(.29)
BVT362	3 5/8"	(92.1)	3 1/2"	(90)	5.05"	(128.2)	2.00"	(50.8)	4.23"	(107.4)	.76	(.34)
BVT412	4 1/8"	(104.8)	4"	(100)	5.55"	(140.9)	2.25"	(57.1)	4.73"	(120.1)	.93	(.42)
BVT612	6 1/8"	(155.5)	6"	(150)	7.62"	(193.5)	3.25"	(82.5)	6.74"	(171.1)	1.36	(.61)

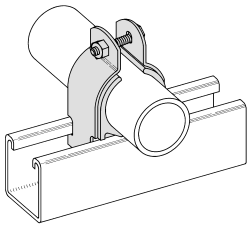
Part No.	Design Load 1 Lbs.	kN	Design Load 2 Lbs.	kN	Design Load 3 Lbs.	kN
BVT025	400	(1.78)	50	(0.22)	50	(0.22)
BVT037	400	(1.78)	50	(0.22)	50	(0.22)
BVT050	400	(1.78)	50	(0.22)	50	(0.22)
BVT062	400	(1.78)	50	(0.22)	50	(0.22)
BVT075	600	(2.67)	75	(0.33)	75	(0.33)
BVT087	600	(2.67)	75	(0.33)	75	(0.33)
BVT112	600	(2.67)	75	(0.33)	75	(0.33)
BVT137	600	(2.67)	75	(0.33)	75	(0.33)
BVT162	800	(3.56)	125	(0.55)	125	(0.55)
BVT212	800	(3.56)	125	(0.55)	125	(0.55)
BVT262	800	(3.56)	125	(0.55)	125	(0.55)
BVT312	800	(3.56)	125	(0.55)	125	(0.55)
BVT362	1000	(4.45)	200	(0.89)	150	(0.67)
BVT412	1000	(4.45)	200	(0.89)	150	(0.67)
BVT612	1000	(4.45)	200	(0.89)	150	(0.67)

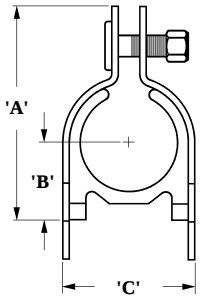
All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

SPRING & NEOPRENE HANGER SELECTION

BVP SERIES VIBRACLAMPS®







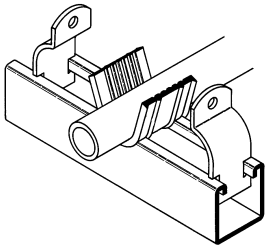
- Easy one tool installation.
- Temperature Range: -40°F to +300°F
- Dampens vibration and noise.
- Eliminates galvanic corrosion due to metal to metal contact.
- Resists most industrial oils and solvents.
- Secures pipe firmly to strut channel.

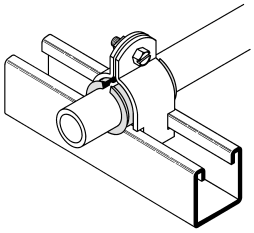
Part No.	Steel O.D. Size		Nominal Pipe Size		Dimensions in Inches 'A'		'B'		'C'		Wt. Each Lbs.	kg
BVP025	0.540"	(13.7)	1/4"	(6)	1.61"	(39.9)	0.37"	(9.4)	0.87"	(22.1)	.15	(.07)
BVP037	0.675"	(17.1)	3/8"	(10)	1.86"	(47.2)	0.50"	(12.7)	1.15"	(29.2)	.18	(.08)
BVP050	0.875"	(22.2)	1/2"	(15)	1.99"	(50.5)	0.56"	(14.2)	1.27"	(32.3)	.20	(.09)
BVP075	1.050"	(26.7)	3/4"	(20)	2.25"	(57.1)	0.69"	(17.5)	1.52"	(38.6)	.21	(.09)
BVP100	1.312"	(33.3)	1"	(25)	2.51"	(63.8)	0.81"	(20.6)	1.77"	(45.0)	.20	(.09)
BVP125	1.660"	(42.2)	1 1/4"	(32)	3.00"	(76.2)	1.00"	(25.4)	2.21"	(56.1)	.36	(.16)
BVP150	1.900"	(48.3)	1 1/2"	(40)	3.27"	(83.1)	1.12"	(28.4)	2.46"	(62.2)	.40	(.18)
BVP200	2.375"	(60.3)	2"	(50)	3.77"	(95.8)	1.37"	(34.8)	2.96"	(75.2)	.45	(.20)
BVP250	2.875"	(73.0)	2 1/2"	(65)	4.28"	(108.7)	1.62"	(41.1)	3.46"	(87.9)	.54	(.24)
BVP300	3.500"	(88.9)	3"	(80)	5.05"	(128.3)	2.00"	(50.8)	4.24"	(107.7)	.81	(.37)
BVP350	4.000"	(101.6)	3 1/2"	(90)	5.55"	(140.9)	2.25"	(57.1)	4.74"	(120.3)	.87	(.39)
BVP400	4.500"	(114.3)	4"	(100)	6.05"	(153.7)	2.50"	(63.5)	5.24"	(133.1)	1.09	(.49)
BVP500	5.563"	(141.3)	5"	(125)	6.84"	(173.7)	3.00"	(76.2)	6.24"	(158.4)	1.36	(.61)
BVP600	6.625"	(168.3)	6"	(150)	8.24"	(209.3)	3.56"	(90.4)	7.36"	(186.9)	1.63	(.74)

Part No.	Design Load 1 Lbs.	kN	Design Load 2 Lbs.	kN	Design Load 3 Lbs.	kN
BVP025	400	(1.78)	50	(0.22)	50	(0.22)
BVP037	600	(2.67)	75	(0.33)	75	(0.33)
BVP050	600	(2.67)	75	(0.33)	75	(0.33)
BVP075	600	(2.67)	75	(0.33)	75	(0.33)
BVP100	600	(2.67)	75	(0.33)	75	(0.33)
BVP125	800	(3.56)	125	(0.55)	125	(0.55)
BVP150	800	(3.56)	125	(0.55)	125	(0.55)
BVP200	800	(3.56)	125	(0.55)	125	(0.55)
BVP250	800	(3.56)	125	(0.55)	125	(0.55)
BVP300	1000	(4.45)	200	(0.89)	150	(0.67)
BVP350	1000	(4.45)	200	(0.89)	150	(0.67)
BVP400	1000	(4.45)	200	(0.89)	150	(0.67)
BVP500	1000	(4.45)	200	(0.89)	150	(0.67)
BVP600	1000	(4.45)	200	(0.89)	150	(0.67)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B1999
VIBRA CUSHION®





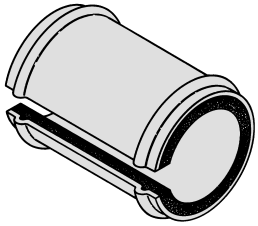
Packaged 20 Ft.
per carton.

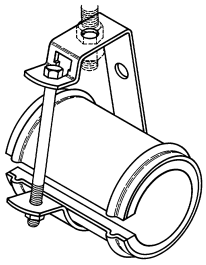
- Ideal Isolation Material
- Inhibits Galvanic Corrosion
- Dampens Sound and Vibration
- Service Temperature Range
  -75° F to +375°F

Vibra Cushion® is designed for use with refrigeration lines, HVAC, copper tubing, glass pipe and hydraulic lines. It provides an energy-absorption barrier between the lines and the mounting material and remains flexible thru its entire service range of -75°F to +375°F.

This elastomer allows for expansion and contraction within the mounting system and prevents galvanic reaction between dissimilar metals.

B3195 Series / B3195CT Series
FELT ISOLATORS





- Steel and Felt Material
- Pre-Galvanized Finish
- Dampens Sound and Vibration
- Prevents Electrolysis
- Available In Pipe and Copper Tubing Sizes

B3195 Series Felt Isolator sized for Iron Pipe and B3195CT Series Felt Isolator sized for Copper Tubing can be used with B3100 Series Clevis Hangers, B3690 Series J-Hangers, B3170 Series Ring Hangers and B2000 Series or B2400 Series Strut Mounted Clamps.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

REFERENCE DATA - METRIC CONVERSION CHART

To Convert From	To	Multiply By
Angle		
degree	radian (rad)	1.745329×10^{-2}
radian (rad)	degree	$5.729578 \times 10^{+1}$
Area		
foot^2	square meter (m^2)	9.290304×10^{-2}
inch^2	square meter (m^2)	6.451600×10^{-4}
circular mil	square meter (m^2)	5.067075×10^{-10}
sq. centimeter (cm^2)	square inch (in^2)	1.550003×10^{-1}
square meter (m^2)	foot^2	$1.076391 \times 10^{+1}$
square meter (m^2)	inch^2	$1.550003 \times 10^{+3}$
square meter (m^2)	circular mil	$1.973525 \times 10^{+9}$
Temperature		
degree Fahrenheit	degree Celsius	$t°C = (t°F - 32) / 1.8$
degree Celsius	degree Fahrenheit	$t°F = 1.8\ t°C + 32$
Force		
pounds-force (lbf)	newtons (N)	4.448222

To Convert From	To	Multiply By
Length		
foot (ft)	meter (m)	3.048000×10^{-1}
inch (in)	meter (m)	2.540000×10^{-2}
mil	meter (m)	2.540000×10^{-5}
inch (in)	micrometer (µm)	$2.540000 \times 10^{+4}$
meter (m)	foot (ft)	3.280840
meter (m)	inch (in)	$3.937008 \times 10^{+1}$
meter (m)	mil	$3.937008 \times 10^{+4}$
micrometer (µm)	inch (in)	3.937008×10^{-5}
Volume		
foot^3	cubic meter (m^3)	2.831685×10^{-2}
inch^3	cubic meter (m^3)	1.638706×10^{-5}
cubic centimeter (cm^3)	cubic inch (in^3)	6.102374×10^{-2}
cubic meter (m^3)	foot^3	$3.531466 \times 10^{+1}$
cubic meter (m^3)	inch^3	$6.102376 \times 10^{+4}$
gallon (U.S. liquid)	cubic meter (m^3)	3.785412×10^{-3}

Section Properties					
section modulus S (in^3)	S (m^3)	1.638706×10^{-5}	section modulus S (m^3)	S (in^3)	$6.102374 \times 10^{+4}$
moment of inertia I (in^4)	I (m^4)	4.162314×10^{-7}	moment of inertia I (m^4)	I (in^4)	$2.402510 \times 10^{+6}$
modulus of elasticity E (psi)	E (Pa)	$6.894757 \times 10^{+3}$	modulus of elasticity E (Pa)	E (psi)	1.450377×10^{-4}

To Convert From	To	Multiply By
Bending Moment or Torque		
lbf•ft	newton meter (N•m)	1.355818
lbf•in	newton meter (N•m)	1.129848×10^{-1}
N•m	lbf•ft	7.375621×10^{-1}
N•m	lbf•in	8.850748
Mass		
ounce (avoirdupois)	kilogram (kg)	2.834952×10^{-2}
pound (avoirdupois)	kilogram (kg)	4.535924×10^{-1}
ton (short, 2000 lb)	kilogram (kg)	$9.071847 \times 10^{+2}$
ton (long, 2240 lb)	kilogram (kg)	$1.016047 \times 10^{+3}$
kilogram (kg)	ounce (avoirdupois)	$3.527396 \times 10^{+1}$
kilogram (kg)	pound (avoirdupois)	2.204622
kilogram (kg)	ton (short 2000 lb)	1.102311×10^{-3}
kilogram (kg)	ton (long 2240 lb)	9.842064×10^{-4}
Mass Per Unit Length		
lb/ft	kilogram per meter (kg/m)	1.488164
lb/in	kilogram per meter (kg/m)	$1.785797 \times 10^{+1}$
kg/m	lb/ft	6.719689×10^{-1}
kg/m	lb/in	5.599741×10^{-2}
Mass Per Unit Volume		
lb/ft^3	kilogram per cubic meter (kg/m^3)	$1.601846 \times 10^{+1}$
lb/in^3	kilogram per cubic meter (kg/m^3)	$2.767990 \times 10^{+4}$
kg/m^3	lb/ft^3	6.242797×10^{-2}
kg/m^3	lb/in^3	3.612730×10^{-5}
lbs/ft^3	lbs/in^3	$1.728000 \times 10^{+3}$
Mass Per Area Unit		
lb/ft^2	kilogram per square meter (kg/m^2)	4.882428
kg/m^2	pound per square foot (lb/ft^2)	2.048161×10^{-1}
Pressure or Stress		
lbf/in^2 (psi)	pascal (Pa)	$6.894757 \times 10^{+3}$
kip/in^2 (ksi)	pascal (Pa)	$6.894757 \times 10^{+6}$
lbf/in^2 (psi)	megapascals (MPa)	6.894757×10^{-3}
pascal (Pa)	pound force per sq. inch (psi)	1.450377×10^{-4}
pascal (Pa)	kip per sq. inch (ksi)	1.450377×10^{-7}
megapascals (MPa)	lbf/in^2 (psi)	$1.450377 \times 10^{+2}$

Abbreviations

AISC	= American Institute of Steel Construction
AISI	= American Iron & Steel Institute
ANSI	= American National Standards Institute
ASTM	= American Society for Testing & Materials
AWWA	= American Water Works Association
Dia.	= Diameter
Ft.	= Feet
FM	= Factory Mutual
Ga.	= Gauge
I.D.	= Inside Diameter
In.	= Inch
Lbs.	= Pounds
Max.	= Maximum
Min.	= Minimum
MSS	= Manufacturers' Standardization Society
NFPA	= National Fire Protection Association
O.D.	= Outside Diameter
Oz.	= Ounces
Pre-Galv.	= Pre-galvanized
psi	= Pounds Per Square Inch
PVC	= Poly Vinyl Chloride
UL	= Underwriters' Laboratories, Inc.
UNC	= Unified Course Threads
UNCR	= Unified Course Threads (Rounded Root)
Wt./C	= Weight per 100

Metric Symbols

cm	= centimeter
kg	= kilogram
kN	= kilonewton
m	= meter
µm	= micrometer
mm	= millimeter
MPa	= megapascal
N	= newton
Nm	= newton-meter
Pa	= pascal

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

SCHEDULE 40 STEEL PIPE DATA

Nominal Pipe Size In.	mm	Pipe O.D. In.	mm	Wall Thickness In.	mm	Weight of Pipe Lbs./Ft.	kg/m	Weight of Pipe Filled With Water Lbs./Ft.	kg/m	Maximum Span* Ft.	Meter	Recommended Hanger Rod Sizes
3/8"	(10)	.675	(17.1)	.091	(2.3)	.6	(.9)	.7	(1.0)			
1/2"	(15)	.840	(21.3)	.109	(2.7)	.8	(1.2)	.9	(1.3)	7	(2.13)	3/8"-16
3/4"	(20)	1.050	(26.7)	.113	(2.9)	1.1	(1.7)	1.3	(2.0)	7	(2.13)	3/8"-16
1"	(25)	1.315	(33.4)	.133	(3.4)	1.7	(2.5)	2.1	(3.0)	7	(2.13)	3/8"-16
1 1/4"	(32)	1.660	(42.1)	.140	(3.5)	2.3	(3.4)	2.9	(4.3)	7	(2.13)	3/8"-16
1 1/2"	(40)	1.900	(48.2)	.145	(3.7)	2.7	(4.0)	3.6	(5.3)	9	(2.74)	3/8"-16
2"	(50)	2.375	(60.3)	.154	(3.9)	3.6	(5.4)	5.0	(7.5)	10	(3.05)	3/8"-16
2 1/2"	(65)	2.875	(73.0)	.203	(5.1)	5.8	(8.6)	7.9	(11.7)	11	(3.35)	1/2"-13
3"	(80)	3.500	(88.9)	.216	(5.5)	7.6	(11.2)	10.8	(15.9)	12	(3.66)	3/8"-16
3 1/2"	(90)	4.000	(101.6)	.226	(5.7)	9.1	(13.5)	13.4	(19.8)	13	(3.96)	1/2"-13
4"	(100)	4.500	(114.3)	.237	(6.0)	10.8	(16.0)	16.3	(24.2)	14	(4.27)	5/8"-11
5"	(125)	5.563	(141.3)	.258	(6.5)	14.6	(21.7)	23.2	(34.6)	16	(4.87)	5/8"-11
6"	(150)	6.625	(168.3)	.280	(7.1)	19.0	(28.2)	31.5	(46.8)	17	(5.18)	3/4"-10
8"	(200)	8.625	(219.1)	.322	(8.2)	28.5	(42.5)	50.1	(74.6)	19	(5.79)	3/4"-10
10"	(250)	10.750	(273.0)	.365	(9.3)	40.5	(60.2)	74.6	(110.9)	22	(6.69)	7/8"-9
12"	(300)	12.750	(323.8)	.406	(10.3)	51.1	(75.9)	102.1	(151.9)	23	(7.01)	7/8"-9
14"	(350)	14.000	(355.6)	.437	(11.1)	63.0	(93.7)	121.5	(180.7)	25	(7.62)	1"-8
16"	(400)	16.000	(406.4)	.500	(12.7)	83.0	(123.5)	159.5	(237.3)	27	(8.23)	1"-8
18"	(450)	18.000	(457.2)	.563	(14.3)	105.0	(156.2)	202.2	(300.8)	28	(8.53)	1"-8
20"	(500)	20.000	(508.0)	.593	(15.1)	123.0	(183.0)	243.4	(361.8)	30	(9.14)	1 1/4"-7
24"	(600)	24.000	(609.6)	.687	(17.4)	171.0	(254.5)	345.2	(513.7)	32	(9.75)	1 1/4"-7

SCHEDULE 80 STEEL PIPE DATA

Nominal Pipe Size In.	mm	Pipe O.D. In.	mm	Wall Thickness In.	mm	Weight of Pipe Lbs./Ft.	kg/m	Weight of Pipe Filled With Water Lbs./Ft.	kg/m	Maximum Span* Ft.	Meter	Recommended Hanger Rod Sizes
3/8"	(10)	.675	(17.1)	.126	(3.2)	.7	(1.1)	.8	(1.2)			
1/2"	(15)	.840	(21.3)	.147	(3.7)	1.1	(1.6)	1.2	(1.7)	7	(2.13)	3/8"-16
3/4"	(20)	1.050	(26.7)	.154	(3.9)	1.5	(2.2)	1.7	(2.5)	7	(2.13)	3/8"-16
1"	(25)	1.315	(33.4)	.179	(4.5)	2.2	(3.2)	2.5	(3.6)	7	(2.13)	3/8"-16
1 1/4"	(32)	1.660	(42.1)	.191	(4.8)	3.0	(4.4)	3.5	(5.2)	7	(2.13)	3/8"-16
1 1/2"	(40)	1.900	(48.2)	.200	(5.1)	3.6	(5.4)	4.3	(6.5)	9	(2.74)	3/8"-16
2"	(50)	2.375	(60.3)	.218	(5.5)	5.0	(7.5)	6.3	(9.4)	10	(3.05)	3/8"-16
2 1/2"	(65)	2.875	(73.0)	.276	(7.0)	7.6	(11.4)	9.4	(14.1)	11	(3.35)	1/2"-13
3"	(80)	3.500	(88.9)	.300	(7.6)	10.2	(15.2)	13.0	(19.4)	12	(3.66)	3/8"-16
3 1/2"	(90)	4.000	(101.6)	.318	(8.1)	12.5	(18.6)	16.3	(24.3)	13	(3.96)	1/2"-13
4"	(100)	4.500	(114.3)	.337	(8.5)	15.0	(22.3)	20.0	(29.7)	14	(4.27)	5/8"-11
5"	(125)	5.563	(141.3)	.375	(9.5)	20.8	(30.9)	28.7	(42.6)	16	(4.87)	5/8"-11
6"	(150)	6.625	(168.3)	.432	(11.0)	28.6	(42.5)	39.9	(59.3)	17	(5.18)	3/4"-10
8"	(200)	8.625	(219.1)	.500	(12.7)	43.4	(64.5)	63.1	(93.9)	19	(5.79)	3/4"-10
10"	(250)	10.750	(273.0)	.593	(15.0)	64.4	(95.8)	95.5	(142.1)	22	(6.69)	7/8"-9
12"	(300)	12.750	(323.8)	.687	(17.4)	88.6	(131.8)	132.6	(197.3)	23	(7.01)	7/8"-9
14"	(350)	14.000	(355.6)	.750	(19.0)	107.0	(159.2)	158.2	(235.4)	25	(7.62)	1"-8
16"	(400)	16.000	(406.4)	.843	(21.4)	137.0	(203.9)	206.7	(306.6)	27	(8.23)	1"-8
18"	(450)	18.000	(457.2)	.937	(23.8)	171.0	(254.5)	259.5	(386.2)	28	(8.53)	1"-8
20"	(500)	20.000	(508.0)	1.031	(26.2)	209.0	(311.0)	318.4	(473.8)	30	(9.14)	1 1/4"-7
24"	(600)	24.000	(609.6)	1.218	(30.9)	297.0	(442.0)	455.2	(677.4)	32	(9.75)	1 1/4"-7

Based on ASTM A53-86.
1 cubic ft. of water weighs 62.41 lbs.
1 gallon (U.S.) weighs 8.335 lbs.
1 cubic meter of water weighs 999.97 kg.
1 liter weighs .999 kg.

Based on MSS SP-69 Table 3 & 4.
*Many codes require pipe hangers to be spaced every 10' (3.048 meters) regardless of size. Check local codes.
Spacing and capacities are based on water filled pipe. Closer hanger spacing may be required where additional valves and fittings increase the load.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

AWWA DUCTILE IRON PIPE DATA

Nominal Pipe Size In.	mm	Class	O.D. of Ductile Iron Pipe In.	mm	Wall Thickness In.	mm	Weight of Pipe Lbs./Ft.	kg/m	Weight of Pipe Filled With Water Lbs./Ft.	kg/m
3"	(80)	53	3.96	(100.6)	.31	(7.9)	11.2	(16.6)	15.0	(22.2)
4"	(100)	53	4.80	(121.9)	.32	(8.1)	14.2	(21.1)	20.1	(29.9)
6"	(150)	53	6.90	(175.2)	.34	(8.6)	22.0	(32.7)	35.1	(52.2)
8"	(200)	53	9.05	(229.9)	.36	(9.1)	31.0	(46.1)	54.0	(80.3)
10"	(250)	53	11.10	(281.9)	.38	(9.6)	40.4	(60.1)	76.8	(114.2)
12"	(300)	53	13.20	(335.3)	.40	(10.1)	50.7	(75.4)	103.0	(153.2)
14"	(350)	53	15.30	(388.6)	.42	(10.6)	62.4	(92.8)	133.5	(198.6)
16"	(400)	53	17.40	(441.9)	.43	(10.9)	72.8	(108.3)	165.9	(246.8)
18"	(450)	53	19.50	(495.3)	.44	(11.1)	83.6	(124.4)	201.5	(299.8)
20"	(500)	53	21.60	(548.6)	.45	(11.4)	95.2	(141.7)	241.0	(358.7)
24"	(600)	53	25.80	(655.3)	.47	(11.9)	119.2	(177.4)	329.4	(490.2)
30"	(750)	53	32.00	(812.8)	.51	(12.9)	161.3	(240.0)	487.8	(597.1)
36"	(900)	53	38.30	(972.8)	.58	(14.7)	219.5	(326.6)	688.8	(1025.0)
42"	(1050)	53	44.50	(1130.3)	.65	(16.5)	285.2	(424.4)	920.1	(1369.2)
48"	(1200)	53	50.80	(1290.3)	.72	(18.3)	360.3	(536.2)	1189.2	(1769.7)
54"	(1350)	53	57.10	(1450.3)	.81	(20.6)	455.0	(677.1)	1502.2	(2135.5)

Based on AWWA C108-70, Table 8.2.
Add flange weight for flanged cast iron pipe.

Ductile Iron Pipe Size

Ductile Iron Pipe Size In.	mm	B3110	B3114	B3120	B3122	B3122A	B3124	B3126	B3117SL
3"	(80)	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	2 to 3 1/2	2 to 3 1/2	2 to 3 1/2
4"	(100)	4	4	4	4	4	4 to 6	4 to 6	4 to 6
6"	(150)	6	6	6	6	6			
8"	(200)	10	8	8	8	8	8 to 10	8 to 10	8 to 10
10"	(250)	12	10	10	10	10			
12"	(300)	12	12	12	12	12	12 to 14	12 to 14	12 to 14
14"	(350)	16	14	14	14	14			
16"	(400)	18	16	16	16	16	16 to 20	16 to 20	16 to 20
18"	(450)	20	18	18	18	18			
20"	(500)	24	20	20	20	20			
24"	(600)	30	24	24	24	24	---	---	24

Ductile Iron Pipe Size In.	mm	B3118SL	B3119SL	B218	B219	B379	B479	B3114R	B3117R
3"	(80)	2 to 3 1/2	2 to 3 1/2	B218	B219-1	---	---	3 1/2	2 to 3 1/2
4"	(100)	4 to 6	4 to 6	B218	B219-2	---	---	4	4 to 6
6"	(150)			B218	B219-3	B379	---	6	
8"	(200)	8 to 10	8 to 10	---	B219-4	B379	---	8	8 to 10
10"	(250)			---	B219-4	B379	---	10	
12"	(300)	12 to 14	12 to 14	---	B219-5	B379	---	12	12 to 14
14"	(350)			---	---	B379	---	14	
16"	(400)	16 to 20	16 to 20	---	---	B379	B479	16	16 to 20
18"	(450)			---	---	---	B479	18	
20"	(500)			---	---	---	B479	20	
24"	(600)	24	24	---	---	---	B479	24	24

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

SERVICE WEIGHT CAST IRON SOIL PIPE DATA (Bell and Spigot Type)

Nominal Pipe Size		O.D. of Cast Iron Pipe		Wall Thickness		Weight of Pipe		Weight of Pipe Filled With Water	
In.	mm	In.	mm	In.	mm	Lbs./Ft.	kg/m	Lbs./Ft.	kg/m
2"	(50)	2.25	(57.1)	.17	(4.3)	4.0	(5.9)	5.5	(8.1)
3"	(80)	3.25	(82.5)	.17	(4.3)	6.0	(8.9)	9.4	(13.9)
4"	(100)	4.25	(107.9)	.18	(4.6)	8.0	(11.9)	14.2	(21.1)
5"	(125)	5.25	(133.3)	.18	(4.6)	10.4	(15.5)	22.7	(33.8)
6"	(150)	6.25	(158.7)	.18	(4.6)	13.0	(19.3)	26.9	(40.0)
8"	(200)	8.38	(212.8)	.23	(5.8)	20.0	(29.7)	45.7	(67.9)
10"	(250)	10.50	(266.7)	.28	(7.1)	29.0	(43.1)	69.6	(103.5)
12"	(300)	12.50	(317.5)	.28	(7.1)	38.0	(56.5)	96.2	(143.1)
15"	(380)	15.62	(396.7)	.31	(7.9)	51.0	(75.9)	147.6	(219.6)

Based on ASTM A74 - Table 2.

EXTRA WEIGHT CAST IRON SOIL PIPE DATA (Bell and Spigot Type)

Nominal Pipe Size		O.D. of Cast Iron Pipe		Wall Thickness		Weight of Pipe		Weight of Pipe Filled With Water	
In.	mm	In.	mm	In.	mm	Lbs./Ft.	kg/m	Lbs./Ft.	kg/m
2"	(50)	2.38	(60.4)	.190	(4.8)	5.0	(7.2)	6.6	(9.5)
3"	(80)	3.50	(88.9)	.250	(6.3)	9.0	(13.0)	12.7	(18.3)
4"	(100)	4.50	(114.3)	.250	(6.3)	12.0	(17.4)	18.5	(26.8)
5"	(125)	5.50	(139.7)	.250	(6.3)	15.0	(21.7)	25.2	(36.5)
6"	(150)	6.50	(165.1)	.250	(6.3)	19.0	(27.5)	33.7	(48.8)
8"	(200)	8.62	(218.9)	.310	(7.9)	30.0	(43.4)	56.1	(81.2)
10"	(250)	10.75	(273.0)	.375	(9.5)	43.0	(62.3)	83.8	(121.4)
12"	(300)	12.75	(323.8)	.375	(9.5)	54.0	(78.2)	112.8	(163.3)
15"	(380)	15.88	(403.3)	.440	(11.2)	75.0	(108.6)	166.8	(241.5)

Based on ASTM A74 - Table 1.

NO-HUB CAST IRON SOIL PIPE DATA

Nominal Pipe Size		O.D. of Cast Iron Pipe		Wall Thickness		Weight of Pipe		Weight of Pipe Filled With Water	
In.	mm	In.	mm	In.	mm	Lbs./Ft.	kg/m	Lbs./Ft.	kg/m
$1^1/_2$"	(40)	1.90	(48.2)	.16	(4.0)	2.7	(4.0)	6.2	(9.2)
2"	(50)	2.35	(59.7)	.16	(4.0)	3.6	(5.3)	8.6	(12.5)
3"	(80)	3.35	(85.1)	.16	(4.0)	5.2	(7.7)	13.5	(20.0)
4"	(100)	4.38	(111.2)	.19	(4.8)	7.4	(11.0)	20.2	(30.0)
5"	(125)	5.30	(134.6)	.19	(4.8)	9.6	(14.3)	27.5	(41.0)
6"	(150)	6.30	(160.0)	.19	(4.8)	11.0	(16.3)	34.0	(50.5)
8"	(200)	8.38	(212.8)	.23	(5.8)	18.0	(26.8)	57.5	(85.6)

Based on Cast Iron Soil Pipe Institute Standards 301-72, Table 1.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

COPPER TUBING (TYPE L) DATA

Nominal Tubing Size		O.D. Size		Wall Thickness		Weight of Tubing		Weight of Pipe Filled With Water	
In.	mm	In.	mm	In.	mm	Lbs./Ft.	kg/m	Lbs./Ft.	kg/m
1/4"	(6)	.375	(9.5)	.030	(.7)	.12	(.17)	.15	(.21)
3/8"	(10)	.500	(12.7)	.035	(.9)	.20	(.30)	.26	(.39)
1/2"	(15)	.625	(15.9)	.040	(1.0)	.28	(.41)	.38	(.56)
5/8"	(17)	.750	(19.0)	.042	(1.0)	.36	(.53)	.51	(.75)
3/4"	(20)	.875	(22.2)	.045	(1.1)	.45	(.67)	.66	(.98)
1"	(25)	1.125	(28.6)	.050	(1.3)	.65	(.97)	1.01	(1.50)
1 1/4"	(32)	1.375	(34.9)	.055	(1.4)	.88	(1.31)	1.42	(2.11)
1 1/2"	(40)	1.625	(41.3)	.060	(1.5)	1.14	(1.69)	1.91	(2.83)
2"	(50)	2.125	(54.0)	.070	(1.8)	1.75	(2.60)	3.09	(4.59)
2 1/2"	(65)	2.625	(66.7)	.080	(2.0)	2.48	(3.69)	4.54	(6.75)
3"	(80)	3.125	(79.4)	.090	(2.3)	3.33	(4.95)	6.28	(9.34)
3 1/2"	(90)	3.625	(92.1)	.100	(2.5)	4.29	(6.38)	8.28	(12.32)
4"	(100)	4.125	(104.8)	.110	(2.8)	5.38	(8.00)	10.57	(15.72)
5"	(125)	5.125	(130.2)	.125	(3.2)	7.61	(11.32)	15.69	(23.34)
6"	(150)	6.125	(155.6)	.140	(3.5)	10.20	(15.18)	21.81	(32.46)
8"	(200)	8.125	(206.4)	.200	(5.1)	19.29	(28.70)	39.49	(58.89)

Dimensions taken from ASTM B88-83.

COPPER TUBING (TYPE K) DATA

Nominal Tubing Size		O.D. Size		Wall Thickness		Weight of Tubing		Weight of Pipe Filled With Water	
In.	mm	In.	mm	In.	mm	Lbs./Ft.	kg/m	Lbs./Ft.	kg/m
1/4"	(6)	.375	(9.5)	.035	(.9)	.14	(.21)	.17	(.25)
3/8"	(10)	.500	(12.7)	.049	(1.2)	.27	(.40)	.32	(.47)
1/2"	(15)	.625	(15.9)	.049	(1.2)	.34	(.50)	.43	(.63)
5/8"	(17)	.750	(19.0)	.049	(1.2)	.42	(.62)	.56	(.83)
3/4"	(20)	.875	(22.2)	.065	(1.6)	.64	(.95)	.83	(1.23)
1"	(25)	1.125	(28.6)	.065	(1.6)	.84	(1.25)	1.18	(1.75)
1 1/4"	(32)	1.375	(34.9)	.065	(1.6)	1.04	(1.55)	1.57	(2.34)
1 1/2"	(40)	1.625	(41.3)	.072	(1.8)	1.36	(2.02)	2.10	(3.12)
2"	(50)	2.125	(54.0)	.083	(2.1)	2.06	(3.06)	3.37	(5.01)
2 1/2"	(65)	2.625	(66.7)	.095	(2.4)	2.92	(4.34)	4.92	(7.31)
3"	(80)	3.125	(79.4)	.109	(2.8)	4.00	(5.95)	6.96	(10.35)
3 1/2"	(90)	3.625	(92.1)	.120	(3.0)	5.12	(7.62)	9.02	(13.42)
4"	(100)	4.125	(104.8)	.134	(3.4)	6.51	(9.69)	11.57	(17.22)
5"	(125)	5.125	(130.2)	.160	(4.0)	9.67	(14.39)	17.67	(26.29)
6"	(150)	6.125	(155.6)	.192	(4.9)	13.87	(20.60)	25.07	(37.27)
8"	(200)	8.125	(206.4)	.271	(6.9)	25.90	(38.50)	45.40	(67.52)

Dimensions taken from ASTM B88-83.
1 cubic ft. of water weighs 62.41 lbs.
1 cubic meter of water weighs 999.97 kg.
1 gallon (U.S.) weighs 8.335 lbs.
1 liter weighs .999 kg.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

RECOMMENDED HANGER SPACING AND ROD SIZE FOR COPPER TUBING

Nominal Tubing Size In.	Nominal Tubing Size mm	Maximum Span Ft.	Maximum Span Meter	Recommended Hanger Rod Size
1/2"	(15)	5	(1.52)	3/8" - 16
3/4"	(20)	5	(1.52)	3/8" - 16
1"	(25)	6	(1.83)	3/8" - 16
1 1/4"	(32)	7	(2.13)	3/8" - 16
1 1/2"	(40)	8	(2.44)	3/8" - 16
2"	(50)	8	(2.44)	3/8" - 16
2 1/2"	(65)	9	(2.74)	1/2" - 13
3"	(80)	10	(3.05)	1/2" - 13
3 1/2"	(90)	11	(3.35)	1/2" - 13
4"	(100)	12	(3.66)	1/2" - 13
5"	(125)	13	(3.96)	1/2" - 13
6"	(150)	14	(4.27)	5/8" - 11
8"	(200)	16	(4.87)	3/4" - 10

Based on MSS-SP-69, Table 3 & 4.

GLASS PIPE DATA

Regular Schedule

Nominal Pipe Size In.	Nominal Pipe Size mm	O.D. Size In.	O.D. Size mm	Wall Thickness In.	Wall Thickness mm	Weight of Pipe Lbs./Ft.	Weight of Pipe kg/m	Weight of Pipe Filled With Water Lbs./Ft.	Weight of Pipe Filled With Water kg/m
1 1/2"	(40)	1.84	(46.7)	.12	(3.0)	.6	(.9)	1.5	(2.2)
2"	(50)	2.34	(59.4)	.14	(3.5)	.9	(1.4)	2.3	(3.5)
3"	(80)	3.41	(86.6)	.17	(4.3)	1.6	(2.4)	4.8	(7.1)
4"	(100)	4.53	(115.0)	.20	(5.1)	2.6	(3.8)	8.4	(12.4)
6"	(150)	6.66	(169.1)	.24	(6.1)	4.7	(7.0)	17.5	(26.0)

Consult manufacturer for support spacing requirements.

Heavy Schedule

Nominal Pipe Size In.	Nominal Pipe Size mm	O.D. Size In.	O.D. Size mm	Wall Thickness In.	Wall Thickness mm	Weight of Pipe Lbs./Ft.	Weight of Pipe kg/m	Weight of Pipe Filled With Water Lbs./Ft.	Weight of Pipe Filled With Water kg/m
1"	(25)	1.31	(33.3)	.16	(4.0)	.6	(.9)	.9	(1.4)
1 1/2"	(40)	1.84	(46.7)	.17	(4.3)	.8	(1.3)	1.5	(2.4)
2"	(50)	2.34	(59.4)	.17	(4.3)	1.1	(1.6)	2.4	(3.6)
3"	(80)	3.41	(86.6)	.20	(5.1)	2.0	(3.0)	5.0	(7.5)
4"	(100)	4.53	(115.0)	.26	(6.6)	3.4	(5.0)	8.8	(13.1)
6"	(150)	6.66	(169.1)	.33	(8.4)	6.3	(9.4)	18.7	(27.9)

Consult manufacturer for support spacing requirements.

1 cubic ft. of water weighs 62.41 lbs.
1 cubic meter of water weighs 999.97 kg.
1 gallon (U.S.) weighs 8.335 lbs.
1 liter weighs .999 kg.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

SCHEDULE 40 PVC PLASTIC PIPE DATA

Nominal Pipe Size		Pipe O.D.		Wall Thickness		Weight of Pipe		Weight of Pipe Filled With Water	
In.	mm	In.	mm	In.	mm	Lbs./Ft.	kg/m	Lbs./Ft.	kg/m
1/8"	(3)	.405	(10.3)	.068	(1.7)	.04	(.06)	.06	(.09)
1/4"	(6)	.540	(13.7)	.088	(2.2)	.07	(.11)	.11	(.17)
3/8"	(10)	.675	(17.1)	.091	(2.3)	.10	(.14)	.18	(.26)
1/2"	(15)	.840	(21.3)	.109	(2.7)	.15	(.20)	.25	(.40)
3/4"	(20)	1.050	(26.7)	.113	(2.9)	.20	(.30)	.40	(.60)
1"	(25)	1.315	(33.4)	.133	(3.4)	.30	(.40)	.70	(.90)
1 1/4"	(32)	1.660	(42.1)	.140	(3.5)	.40	(.60)	1.00	(1.50)
1 1/2"	(40)	1.900	(48.2)	.145	(3.7)	.50	(.70)	1.40	(2.00)
2"	(50)	2.375	(60.3)	.154	(3.9)	.60	(.90)	2.00	(3.00)
2 1/2"	(65)	2.875	(73.0)	.203	(5.1)	1.00	(1.50)	3.10	(4.51)
3"	(80)	3.500	(88.9)	.216	(5.5)	1.30	(2.00)	4.50	(6.70)
3 1/2"	(90)	4.000	(101.6)	.226	(5.7)	1.60	(2.40)	5.90	(8.70)
4"	(100)	4.500	(114.3)	.237	(6.0)	1.90	(2.80)	7.40	(11.00)
5"	(125)	5.563	(141.3)	.258	(6.5)	2.80	(4.10)	11.40	(17.00)
6"	(150)	6.625	(168.3)	.280	(7.1)	3.30	(4.90)	15.40	(23.00)
8"	(200)	8.625	(219.1)	.322	(8.2)	5.30	(7.80)	26.90	(39.90)
10"	(250)	10.750	(273.0)	.366	(9.3)	7.50	(11.10)	41.60	(61.80)
12"	(300)	12.750	(323.8)	.406	(10.3)	10.00	(14.90)	58.50	(87.00)

SCHEDULE 80 PVC PLASTIC PIPE DATA

Nominal Pipe Size		Pipe O.D.		Wall Thickness		Weight of Pipe		Weight of Pipe Filled With Water	
In.	mm	In.	mm	In.	mm	Lbs./Ft.	kg/m	Lbs./Ft.	kg/m
1/8"	(3)	.405	(10.3)	.095	(2.4)	.05	(.08)	.06	(.10)
1/4"	(6)	.540	(13.7)	.119	(3.0)	.09	(.14)	.12	(.18)
3/8"	(10)	.675	(17.1)	.126	(3.2)	.10	(.19)	.16	(.28)
1/2"	(15)	.840	(21.3)	.147	(3.7)	.10	(.20)	.20	(.30)
3/4"	(20)	1.050	(26.7)	.154	(3.9)	.20	(.40)	.40	(.70)
1"	(25)	1.315	(33.4)	.179	(4.5)	.40	(.50)	.70	(.90)
1 1/4"	(32)	1.660	(42.1)	.191	(4.8)	.50	(.80)	1.00	(1.60)
1 1/2"	(40)	1.900	(48.2)	.200	(5.1)	.60	(.90)	1.30	(2.00)
2"	(50)	2.375	(60.3)	.218	(5.5)	.90	(1.30)	2.20	(3.20)
2 1/2"	(65)	2.875	(73.0)	.276	(7.0)	1.30	(2.00)	3.10	(4.70)
3"	(80)	3.500	(88.9)	.300	(7.6)	1.80	(2.70)	4.60	(6.90)
3 1/2"	(90)	4.000	(101.6)	.318	(8.1)	2.20	(3.20)	6.00	(8.90)
4"	(100)	4.500	(114.3)	.337	(8.5)	2.60	(3.90)	7.60	(11.30)
5"	(125)	5.563	(141.3)	.375	(9.5)	4.10	(6.10)	12.00	(17.80)
6"	(150)	6.625	(168.3)	.432	(11.0)	5.00	(7.50)	16.30	(24.30)
8"	(200)	8.625	(219.1)	.500	(12.7)	8.00	(11.90)	27.80	(41.30)
10"	(250)	10.750	(273.0)	.593	(15.0)	11.90	(17.70)	43.20	(77.60)
12"	(300)	12.750	(323.8)	.687	(17.4)	16.30	(24.30)	60.30	(89.80)

1 cubic ft. of water weighs 62.41 lbs.
1 cubic meter of water weighs 999.97 kg.
1 gallon (U.S.) weighs 8.335 lbs.
1 liter weighs .999 kg.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

SPACING OF HANGERS FOR SCHEDULE 40 PVC PLASTIC PIPE

Temperature		Support Spacing in Ft. (Meter) For Pipe Sizes of													
		1/2"-3/4"	(15-20)	1"-1 1/4"	(25-32)	1 1/2"-2"	(40-50)	2 1/2"	(65)	3"	(80)	4"	(100)	6"	(150)
20°F	(-6.6°C)	5.00	(1.52)	5.50	(1.67)	5.80	(1.77)	6.66	(2.03)	6.80	(2.07)	7.33	(2.23)	7.80	(2.38)
40°F	(4.4°C)	4.75	(1.45)	5.25	(1.60)	5.50	(1.67)	6.33	(1.93)	6.50	(1.98)	7.00	(2.13)	7.50	(2.28)
60°F	(15.5°C)	4.50	(1.37)	5.00	(1.52)	5.25	(1.60)	6.00	(1.83)	6.25	(1.90)	6.50	(1.98)	7.00	(2.13)
80°F	(26.6°C)	4.25	(1.29)	4.66	(1.42)	5.00	(1.52)	5.50	(1.67)	5.80	(1.77)	6.25	(1.90)	6.80	(2.07)
100°F	(37.8°C)	4.00	(1.22)	4.33	(1.32)	4.66	(1.42)	5.25	(1.60)	5.50	(1.67)	5.80	(1.77)	6.33	(1.93)
110°F	(43.3°C)	3.75	(1.14)	4.00	(1.22)	4.33	(1.32)	4.80	(1.46)	5.25	(1.60)	5.50	(1.67)	5.80	(1.77)
120°F	(48.9°C)	3.33	(1.01)	3.75	(1.14)	3.80	(1.16)	4.50	(1.37)	4.75	(1.45)	5.00	(1.52)	5.33	(1.62)
130°F	(54.4°C)	3.00	(.91)	3.33	(1.01)	3.50	(1.06)	4.00	(1.22)	4.25	(1.29)	4.50	(1.37)	4.80	(1.46)
140°F	(60.0°C)	2.66	(.81)	2.80	(.85)	3.00	(.91)	3.50	(1.06)	3.66	(1.11)	3.80	(1.16)	4.25	(1.29)
150°F	(65.5°C)	2.00	(.61)	2.25	(.68)	2.50	(.76)	2.80	(.85)	3.00	(.91)	3.25	(.99)	3.50	(1.06)

SPACING OF HANGERS FOR SCHEDULE 80 PVC PLASTIC PIPE

Temperature		Support Spacing in Ft. (Meter) For Pipe Sizes of													
		1/2"-3/4"	(15-20)	1"	(25)	1 1/4"-1 1/2"	(32-40)	2"	(50)	2 1/2"	(65)	3"	(80)	4"	(100)	6"	(150)
20°F	(-6.6°C)	5.75	(1.75)	6.33	(1.93)	6.66	(2.03)	7.00	(2.13)	7.80	(2.38)	8.20	(2.50)	8.66	(2.64)	9.80	(2.99)
40°F	(4.4°C)	5.50	(1.67)	6.00	(1.83)	6.33	(1.93)	6.50	(1.98)	7.50	(2.28)	7.75	(2.36)	8.25	(2.51)	9.33	(2.84)
60°F	(15.5°C)	5.25	(1.60)	5.75	(1.75)	6.00	(1.83)	6.25	(1.90)	7.00	(2.13)	7.33	(2.23)	7.80	(2.38)	8.80	(2.68)
80°F	(26.6°C)	4.80	(1.46)	5.33	(1.62)	5.66	(1.72)	6.00	(1.83)	6.66	(2.03)	7.00	(2.13)	7.33	(2.23)	8.33	(2.54)
100°F	(37.8°C)	4.50	(1.37)	5.00	(1.52)	5.25	(1.60)	5.50	(1.67)	6.33	(1.93)	6.50	(1.98)	6.80	(2.07)	7.80	(2.38)
110°F	(43.3°C)	4.33	(1.32)	4.60	(1.40)	4.80	(1.46)	5.12	(1.56)	5.80	(1.77)	6.00	(1.83)	6.33	(1.93)	7.33	(2.23)
120°F	(48.9°C)	3.80	(1.16)	4.33	(1.32)	4.50	(1.37)	4.75	(1.45)	5.33	(1.62)	5.50	(1.67)	5.80	(1.77)	6.50	(1.98)
130°F	(54.4°C)	3.50	(1.06)	3.80	(1.16)	4.00	(1.22)	4.33	(1.32)	4.75	(1.45)	5.00	(1.52)	5.25	(1.60)	6.00	(1.83)
140°F	(60.0°C)	3.00	(.91)	3.33	(1.01)	3.50	(1.06)	3.66	(1.11)	4.25	(1.29)	4.33	(1.32)	4.66	(1.42)	5.12	(1.56)
150°F	(65.5°C)	2.50	(.76)	2.75	(.84)	3.00	(.91)	3.12	(.95)	3.33	(1.01)	3.50	(1.06)	3.75	(1.14)	4.25	(1.29)

Hanger spacing for PVC plastic Pipe assumes fluid loads up to 1.35 specific gravity [85 Lbs./Ft.3 (136.5 kg/m3)] but not concentrated heavy loads.

Rod Size As Determined By Steel Pipe Size For Fire Protection

Steel Pipe Size		Maximum Span		Rod Size
In.	mm	Ft.	m	
3/4"-1 1/4	(20-30)	12	(3.66)	3/8"-16
1 1/2"-4	(40-100)	15	(4.57)	3/8"-16
5"-8	(125-200)	15	(4.57)	1/2"-13
10"-12	(250-300)	15	(4.57)	5/8"-11

Based on NFPA 13-1989, Table 3-10.4.1 & Section 3-10.1.11.1

Rod Size As Determined By Copper Tubing Size For Fire Protection

Steel Pipe Size		Maximum Span		Rod Size
In.	mm	Ft.	m	
3/4"-1	(20-35)	8	(2.44)	3/8"-16
1 1/4"-4 1/2	(32-40)	15	(3.05)	3/8"-16
2"-3	(50-80)	15	(3.66)	3/8"-16
3 1/2"-4	(90-100)	15	(4.57)	3/8"-16
5"-8	(125-200)	15	(4.57)	1/2"-13

Based on NFPA 13-1989, Table 3-10.1.11.2 & 3-10.4.1

LOAD CHART FOR THREADED ROD (ATR)

Rod Size	Root Area Thread		Maximum Safe Loads 650°F (349°C)		750°F (399°C)	
	In.2	cm2	Lbs.	kN	Lbs.	kN
3/8"-16	0.068	(.43)	610	(2.71)	540	(2.40)
1/2"-13	0.126	(.81)	1130	(5.02)	1010	(4.49)
5/8"-11	0.202	(1.30)	1810	(8.05)	1610	(7.16)
3/4"-10	0.302	(1.95)	2710	(12.05)	2420	(10.76)
7/8"-9	0.419	(2.70)	3770	(16.77)	3030	(13.48)
1"-8	0.551	(3.55)	4960	(22.06)	4420	(19.66)
1 1/8"-7	0.693	(4.47)	6230	(27.71)	5560	(24.73)
1 1/4"-7	0.889	(5.73)	8000	(35.58)	7140	(31.76)
1 1/2"-6	1.293	(8.34)	11630	(51.73)	10370	(46.12)
1 3/4"-5	1.744	(11.25)	15700	(69.83)	14000	(62.27)
2"-4 1/2	2.300	(14.84)	20700	(92.07)	18460	(82.11)
2 1/4"-4 1/2	3.023	(19.50)	27200	(120.98)	24260	(107.91)
2 1/2"-4	3.719	(23.99)	33500	(149.01)	29880	(132.90)

Dimensions taken from ANSI B1.1-1982 Unified Inch Screw Threads. All threads are UNCR series. Tabulated loads are based on an allowable tensile stress of 12,000 psi (82.7 MPa) reduced by 25% resulting in 9,000 psi (62 MPa). From ANSI/MSS SP-58, Table 3.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

TRAPEZE HANGERS USING B-LINE STRUT OR ANGLE IRON

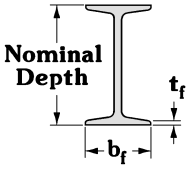
Trapeze Length		Nominal Pipe Size			
		2 1/2" (65) or less	3" (80)	3 1/2" (90)	4" (100)
18"	(457.2)	1 1/2" x 1 1/2" x 3/16" B26SH	1 1/2" x 1 1/2" x 3/16" B26SH	1 1/2" x 1 1/2" x 3/16" B26SH	2" x 1 1/2" x 3/16" B22SH
24"	(609.6)	1 1/2" x 1 1/2" x 3/16" B26SH	2" x 1 1/2" x 3/16" B22SH	2" x 1 1/2" x 3/16" B22SH	2" x 1 1/2" x 3/16" B22SH
30"	(762.0)	2" x 1 1/2" x 3/16" B22SH	2" x 1 1/2" x 3/16" B22SH	2" x 1 1/2" x 3/16" B22SH	2" x 1 1/2" x 3/16" B22SH
36"	(914.4)	2" x 1 1/2" x 3/16" B22SH	2" x 1 1/2" x 3/16" B22SH	2 1/2" x 1 1/2" x 3/16" B12SH	2 1/2" x 1 1/2" x 3/16" B12SH
48"	(1219.2)	2 1/2" x 1 1/2" x 3/16" B12SH	2 1/2" x 1 1/2" x 3/16" B12SH	2 1/2" x 1 1/2" x 3/16" B12SH	3" x 2" x 3/16" B11SH
60"	(1524.0)	2 1/2" x 1 1/2" x 3/16" B12SH	2 1/2" x 1 1/2" x 3/16" B12SH	3" x 2" x 3/16" B11SH	3" x 2" x 3/16" B11SH
72"	(1828.8)	2 1/2" x 1 1/2" x 3/16" B12SH	3" x 2" x 3/16" B11SH	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH
84"	(2133.6)	3" x 2" x 3/16" B11SH	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH	3" x 2" x 1/4" B11SH
96"	(2438.4)	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH	3" x 2" x 1/4" B11SH	3 1/2" x 2 1/2" x 5/16" B12SHA
108"	(2743.2)	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH	3 1/2" x 2 1/2" x 5/16" B12SHA	3 1/2" x 2 1/2" x 5/16" B12SHA
120"	(3048.0)	3" x 2" x 1/4" B11SH	3" x 2" x 1/4" B11SH	3 1/2" x 2 1/2" x 5/16" B12SHA	3 1/2" x 2 1/2" x 5/16" B12SHA

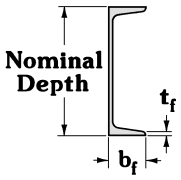
Trapeze Length		Nominal Pipe Size			
		5" (125)	6" (150)	8" (200)	10" (250)
18"	(457.2)	2" x 1 1/2" x 3/16" B22SH	2 1/2" x 1 1/2" x 3/16" B12SH	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH
24"	(609.6)	2 1/2" x 1 1/2" x 3/16" B12SH	2 1/2" x 1 1/2" x 3/16" B12SH	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH
30"	(762.0)	2 1/2" x 1 1/2" x 3/16" B12SH	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH	3" x 2" x 1/4" B11SH
36"	(914.4)	3" x 2" x 3/16" B11SH	3" x 2" x 3/16" B11SH	3 1/2" x 2 1/2" x 1/4" B12SHA	3 1/2" x 2 1/2" x 5/16" B12SHA
48"	(1219.2)	3" x 2" x 3/16" B11SH	3" x 2" x 1/4" B11SH	3 1/2" x 2 1/2" x 5/16" B12SHA	4" x 3" x 5/16" B12SHA
60"	(1524.0)	3" x 2" x 1/4" B11SH	3 1/2" x 2 1/2" x 5/16" B12SHA	4" x 3" x 5/16" B12SHA	5" x 3 1/2" x 5/16" B11SHA
72"	(1828.8)	3 1/2" x 2 1/2" x 5/16" B12SHA	4" x 3" x 5/16" B12SHA	4" x 3" x 5/16" B12SHA	5" x 3 1/2" x 5/16" B11SHA
84"	(2133.6)	3 1/2" x 2 1/2" x 5/16" B12SHA	4" x 3" x 5/16" B12SHA	5" x 3 1/2" x 5/16" B11SHA	6" x 4" x 1/4" B12SHA4
96"	(2438.4)	3 1/2" x 2 1/2" x 5/16" B12SHA	4" x 3" x 5/16" B12SHA	5" x 3 1/2" x 5/16" B11SHA	6" x 4" x 1/4" B12SHA4
108"	(2743.2)	3 1/2" x 2 1/2" x 5/16" B12SHA	4" x 3" x 5/16" B12SHA	5" x 3 1/2" x 5/16" B11SHA	6" x 4" x 3/8" B11SHA4
120"	(3048.0)	4" x 3" x 5/16" B12SHA	5" x 3 1/2" x 5/16" B11SHA	6" x 4" x 1/4" B12SHA4	6" x 4" x 3/8" B11SHA4

Based on ANSI/NFPA 13-1989, Table 3-10.1.7 (b).

REFERENCE: Table 3-14.1.6 standard for the installation of Sprinkler Systems, NFPA No. 13-1985, published by National Fire Protection Association.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.





AMERICAN STANDARD 'S' SHAPE I-BEAMS

Designation Nominal Depth & Weight In. x Lbs./Ft.	(mm x kg/m)	Flange Width b_f		Flange Thickness t_f	
S3 x 5.7	(S75 x 8.5)	2 3/8"	(59)	0.260	(6.6)
S3 x 7.5	(S75 x 11.2)	2 1/2"	(63)	0.260	(6.6)
S4 x 7.7	(S100 x 11.5)	2 5/8"	(68)	0.293	(7.4)
S4 x 9.5	(S100 x 14.1)	2 3/4"	(71)	0.293	(7.4)
S5 x 10	(S130 x 15)	3"	(76)	0.326	(8.3)
S5 x 14.75	(S130 x 22)	3 1/4"	(83)	0.326	(8.3)
S6 x 12.5	(S150 x 18.6)	3 3/8"	(85)	0.359	(9.1)
S6 x 17.25	(S150 x 25.7)	3 11/16"	(91)	0.359	(9.1)
S7 x 15.3	(S180 x 22.8)	3 5/8"	(93)	0.392	(10.0)
S7 x 20	(S180 x 29.8)	3 7/8"	(98)	0.392	(10.0)
S8 x 18.4	(S200 x 27.4)	4"	(102)	0.425	(10.8)
S8 x 23	(S200 x 34)	4 1/8"	(106)	0.425	(10.8)
S10 x 25.4	(S250 x 37.8)	4 5/8"	(118)	0.491	(12.5)
S10 x 35	(S250 x 52)	4 15/16"	(126)	0.491	(12.5)
S12 x 31.8	(S310 x 47.3)	5"	(127)	0.544	(13.8)
S12 x 35	(S310 x 52)	5 1/16"	(129)	0.544	(13.8)
S12 x 40.8	(S310 x 60.7)	5 1/4"	(133)	0.659	(16.7)
S12 x 50	(S310 x 74)	5 1/2"	(139)	0.659	(16.7)
S15 x 42.9	(S380 x 64)	5 1/2"	(140)	0.622	(15.8)
S15 x 50	(S380 x 74)	5 5/8"	(143)	0.622	(15.8)
S18 x 54.7	(S460 x 81.4)	6"	(152)	0.691	(17.6)
S18 x 70	(S460 x 104)	6 1/4"	(159)	0.691	(17.6)
S20 x 66	(S510 x 98.2)	6 1/4"	(159)	0.795	(20.2)
S20 x 75	(S510 x 112)	6 3/8"	(162)	0.795	(20.2)
S20 x 86	(S510 x 128)	7 1/16"	(179)	0.920	(23.4)
S20 x 96	(S510 x 143)	7 3/16"	(183)	0.920	(23.4)
S24 x 80	(S610 x 119)	7"	(178)	0.870	(22.1)
S24 x 90	(S610 x 134)	7 1/8"	(181)	0.870	(22.1)
S24 x 100	(S610 x 149)	7 1/4"	(184)	0.870	(22.1)
S24 x 106	(S610 x 158)	7 7/8"	(200)	1.090	(27.7)
S24 x 121	(S610 x 180)	8 1/16"	(204)	1.090	(27.7)

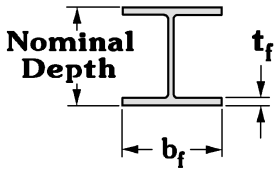
Dimensions taken from ASTM A6-86.

AMERICAN STANDARD 'C' SHAPE CHANNELS

Designation Nominal Depth & Weight In. x Lbs./Ft.	(mm x kg/m)	Flange Width b_f		Flange Thickness t_f	
C3 x 4.1	(C75 x 6.1)	1 3/8"	(35)	0.273	(6.9)
C3 x 5	(C75 x 7.4)	1 1/2"	(37)	0.273	(6.9)
C3 x 6	(C75 x 8.9)	1 5/8"	(40)	0.273	(6.9)
C4 x 5.4	(C100 x 8)	1 9/16"	(40)	0.296	(7.5)
C4 x 7.25	(C100 x 10.8)	1 3/4"	(44)	0.296	(7.5)
C5 x 6.7	(C130 x 10)	1 3/4"	(44)	0.320	(8.1)
C5 x 9	(C130 x 13.4)	1 7/8"	(47)	0.320	(8.1)
C6 x 8.2	(C150 x 12.2)	1 15/16"	(48)	0.343	(8.7)
C6 x 10.5	(C150 x 15.6)	2"	(51)	0.343	(8.7)
C6 x 13	(C150 x 19.3)	2 1/8"	(54)	0.343	(8.7)
C7 x 9.8	(C180 x 14.6)	2 1/16"	(53)	0.366	(9.3)
C7 x 12.25	(C180 x 18.2)	2 3/16"	(55)	0.366	(9.3)
C7 x 14.75	(C180 x 22)	2 1/4"	(57)	0.366	(9.3)
C8 x 11.5	(C200 x 17.1)	2 1/4"	(57)	0.390	(9.9)
C8 x 13.75	(C200 x 20.5)	2 3/8"	(59)	0.390	(9.9)
C8 x 18.75	(C200 x 27.9)	2 1/2"	(63)	0.390	(9.9)
C9 x 13.4	(C230 x 19.9)	2 7/16"	(61)	0.413	(10.5)
C9 x 15	(C230 x 22)	2 1/2"	(63)	0.413	(10.5)
C9 x 20	(C230 x 30)	2 5/8"	(67)	0.413	(10.5)
C10 x 15.3	(C250 x 22.8)	2 5/8"	(67)	0.436	(11.1)
C10 x 20	(C250 x 30)	2 3/4"	(69)	0.436	(11.1)
C10 x 25	(C250 x 37)	2 7/8"	(73)	0.436	(11.1)
C10 x 30	(C250 x 45)	3"	(76)	0.436	(11.1)
C12 x 20.7	(C310 x 30.8)	2 15/16"	(74)	0.501	(12.7)
C12 x 25	(C310 x 37)	3"	(76)	0.501	(12.7)
C12 x 30	(C310 x 45)	3 1/8"	(80)	0.501	(12.7)
C15 x 33.9	(C380 x 50.4)	3 3/8"	(86)	0.650	(16.5)
C15 x 40	(C380 x 60)	3 1/2"	(89)	0.650	(16.5)
C15 x 50	(C380 x 74)	3 3/4"	(94)	0.650	(16.5)
C18 x 42.7	(C460 x 63.5)	4"	(102)	0.625	(15.8)
C18 x 45.8	(C460 x 68.1)	4"	(102)	0.625	(15.8)
C18 x 51.9	(C460 x 77.2)	4 1/8"	(106)	0.625	(15.8)
C18 x 58	(C460 x 86.3)	4 1/4"	(112)	0.625	(15.8)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

REFERENCE DATA



WIDE FLANGE I-BEAMS

Designation Nominal Depth & Weight In. x Lbs./Ft.	(mm x kg/m)	Flange Width b_f		Flange Thickness t_f	
W4 x 13	(W100 x 19.3)	4 1/16"	(103)	0.345	(8.8)
W5 x 16	(W130 x 23.8)	5"	(127)	0.360	(9.1)
W5 x 19	(W130 x 28.1)	5"	(128)	0.430	(10.9)
W6 x 9	(W150 x 13.5)	3 15/16"	(100)	0.215	(5.5)
W6 x 12	(W150 x 18.0)	4"	(101)	0.280	(7.1)
W6 x 16	(W150 x 24.0)	4"	(101)	0.405	(10.3)
W6 x 20	(W150 x 29.8)	6"	(153)	0.365	(9.3)
W6 x 25	(W150 x 37.1)	6 1/16"	(154)	0.455	(11.6)
W8 x 10	(W200 x 15.0)	3 15/16"	(100)	0.205	(5.2)
W8 x 13	(W200 x 19.3)	4"	(101)	0.255	(6.5)
W8 x 15	(W200 x 22.5)	4"	(101)	0.315	(8.0)
W8 x 18	(W200 x 26.6)	5 1/4"	(133)	0.330	(8.4)
W8 x 21	(W200 x 31.3)	5 1/4"	(133)	0.400	(10.2)
W8 x 24	(W200 x 35.9)	6 1/2"	(165)	0.400	(10.2)
W8 x 28	(W200 x 41.7)	6 1/2"	(166)	0.465	(11.8)
W8 x 31	(W200 x 46.1)	8"	(203)	0.435	(11.0)
W8 x 35	(W200 x 52)	8"	(203)	0.495	(12.6)
W8 x 40	(W200 x 59)	8 1/16"	(205)	0.560	(14.2)
W8 x 48	(W200 x 71)	8 1/8"	(206)	0.685	(17.4)
W8 x 58	(W200 x 86)	8 1/4"	(209)	0.810	(20.6)
W8 x 67	(W200 x 100)	8 1/4"	(210)	0.935	(23.7)
W10 x 12	(W250 x 17.9)	4"	(101)	0.210	(5.3)
W10 x 15	(W250 x 22.3)	4"	(101)	0.270	(6.9)
W10 x 17	(W250 x 25.3)	4"	(101)	0.330	(8.4)
W10 x 19	(W250 x 28.4)	4"	(101)	0.395	(10.0)
W10 x 22	(W250 x 32.7)	5 3/4"	(146)	0.360	(9.1)
W10 x 26	(W250 x 38.5)	5 3/4"	(147)	0.440	(11.2)
W10 x 30	(W250 x 44.8)	5 13/16"	(148)	0.510	(13.0)
W10 x 33	(W250 x 49.1)	7 15/16"	(202)	0.435	(11.0)
W10 x 39	(W250 x 58)	8"	(203)	0.530	(13.5)
W10 x 45	(W250 x 67)	8"	(203)	0.620	(15.7)
W10 x 49	(W250 x 73)	10"	(254)	0.560	(14.2)
W10 x 54	(W250 x 80)	10 1/16"	(255)	0.615	(15.6)
W10 x 60	(W250 x 89)	10 1/16"	(256)	0.680	(17.3)
W10 x 68	(W250 x 101)	10 1/8"	(257)	0.770	(19.6)
W10 x 77	(W250 x 115)	10 3/16"	(259)	0.870	(22.1)
W10 x 88	(W250 x 131)	10 1/4"	(261)	0.990	(25.1)
W10 x 100	(W250 x 149)	10 3/8"	(263)	1.120	(28.4)
W10 x 112	(W250 x 167)	10 7/16"	(265)	1.250	(31.8)

Designation Nominal Depth & Weight In. x Lbs./Ft.	(mm x kg/m)	Flange Width b_f		Flange Thickness t_f	
W12 x 14	(W310 x 21.0)	4"	(101)	0.225	(5.7)
W12 x 16	(W310 x 23.8)	4"	(101)	0.265	(6.7)
W12 x 19	(W310 x 28.3)	4"	(101)	0.350	(8.9)
W12 x 22	(W310 x 32.7)	4"	(101)	0.425	(10.8)
W12 x 26	(W310 x 38.7)	6 1/2"	(165)	0.380	(9.7)
W12 x 30	(W310 x 44.5)	6 1/2"	(165)	0.440	(11.2)
W12 x 35	(W310 x 52)	6 9/16"	(167)	0.520	(13.2)
W12 x 40	(W310 x 60)	8"	(203)	0.515	(13.1)
W12 x 45	(W310 x 67)	8 1/16"	(205)	0.575	(14.6)
W12 x 50	(W310 x 74)	8 1/16"	(205)	0.640	(16.3)
W12 x 53	(W310 x 79)	10"	(254)	0.575	(14.6)
W12 x 58	(W310 x 86)	10"	(254)	0.640	(16.3)
W12 x 65	(W310 x 97)	12"	(306)	0.605	(15.4)
W12 x 72	(W310 x 107)	12"	(306)	0.670	(17.0)
W12 x 79	(W310 x 117)	12 1/16"	(307)	0.735	(18.7)
W12 x 87	(W310 x 129)	12 1/8"	(308)	0.810	(20.6)
W12 x 96	(W310 x 143)	12 1/8"	(308)	0.900	(22.9)
W12 x 106	(W310 x 158)	12 1/4"	(310)	0.990	(25.1)
W12 x 120	(W310 x 179)	12 5/16"	(313)	1.105	(28.1)
W12 x 136	(W310 x 202)	12 3/8"	(315)	1.250	(31.8)
W12 x 152	(W310 x 226)	12 1/2"	(317)	1.400	(35.6)
W12 x 170	(W310 x 253)	12 9/16"	(319)	1.560	(39.6)
W12 x 190	(W310 x 283)	12 11/16"	(322)	1.735	(44.1)
W12 x 210	(W310 x 313)	12 3/4"	(325)	1.900	(48.3)
W12 x 230	(W310 x 342)	12 7/8"	(328)	2.070	(52.6)
W12 x 252	(W310 x 375)	13"	(330)	2.250	(57.2)
W14 x 22	(W360 x 32.9)	5"	(127)	0.335	(8.5)
W14 x 26	(W360 x 39.0)	5"	(127)	0.420	(10.7)
W14 x 30	(W360 x 44.8)	6 3/4"	(172)	0.385	(9.8)
W14 x 34	(W360 x 51)	6 3/4"	(172)	0.455	(11.6)
W14 x 38	(W360 x 57)	6 3/4"	(172)	0.515	(13.1)
W14 x 43	(W360 x 64)	8"	(203)	0.530	(13.5)
W14 x 48	(W360 x 72)	8"	(203)	0.595	(15.1)
W14 x 53	(W360 x 79)	8 1/16"	(205)	0.660	(16.8)
W14 x 61	(W360 x 91)	10"	(254)	0.645	(16.4)
W14 x 68	(W360 x 101)	10"	(254)	0.720	(18.3)
W14 x 74	(W360 x 110)	10 1/16"	(256)	0.785	(19.9)
W14 x 82	(W360 x 122)	10 1/8"	(257)	0.855	(21.7)
W14 x 90	(W360 x 134)	14 1/2"	(369)	0.710	(18.0)

Dimensions taken from ASTM A6-86.

(Continued on next page)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

WIDE FLANGE I-BEAMS (Continued)

Designation Nominal Depth & Weight In. x Lbs./Ft.	(mm x kg/m)	Flange Width b_f		Flange Thickness t_f	
W14 x 99	(W360 x 147)	14 9/16"	(370)	0.780	(19.8)
W14 x 109	(W360 x 162)	14 5/8"	(371)	0.860	(21.8)
W14 x 120	(W360 x 179)	14 11/16"	(373)	0.940	(23.9)
W14 x 132	(W360 x 196)	14 3/4"	(374)	1.030	(26.2)
W14 x 145	(W360 x 216)	15 1/2"	(394)	1.090	(27.7)
W14 x 159	(W360 x 237)	15 9/16"	(395)	1.190	(30.2)
W14 x 176	(W360 x 262)	15 5/8"	(397)	1.310	(33.3)
W14 x 193	(W360 x 287)	15 3/4"	(400)	1.440	(36.6)
W14 x 211	(W360 x 314)	15 3/4"	(400)	1.560	(39.6)
W14 x 233	(W360 x 347)	15 7/8"	(403)	1.720	(43.7)
W14 x 257	(W360 x 382)	16"	(406)	1.890	(48.0)
W14 x 283	(W360 x 421)	16 1/8"	(409)	2.070	(52.6)
W14 x 311	(W360 x 463)	16 1/4"	(413)	2.260	(57.4)
W14 x 342	(W360 x 509)	16 3/8"	(416)	2.470	(62.7)
W14 x 370	(W360 x 551)	16 1/2"	(419)	2.660	(67.6)
W14 x 398	(W360 x 592)	16 9/16"	(421)	2.845	(72.3)
W14 x 426	(W360 x 634)	16 11/16"	(424)	3.035	(77.1)
W16 x 26	(W410 x 38.8)	5 1/2"	(140)	0.345	(8.8)
W16 x 31	(W410 x 46.1)	5 1/2"	(140)	0.440	(11.2)
W16 x 36	(W410 x 53)	7"	(178)	0.430	(10.9)
W16 x 40	(W410 x 60)	7"	(178)	0.505	(12.8)
W16 x 45	(W410 x 67)	7"	(178)	0.565	(14.4)
W16 x 50	(W410 x 75)	7 1/16"	(179)	0.630	(16.0)
W16 x 57	(W410 x 85)	7 1/8"	(181)	0.715	(18.2)
W16 x 67	(W410 x 100)	10 1/4"	(260)	0.665	(16.9)
W16 x 77	(W410 x 114)	10 5/16"	(262)	0.760	(19.3)
W16 x 89	(W410 x 132)	10 3/8"	(263)	0.875	(22.2)
W16 x 100	(W410 x 149)	10 7/16"	(265)	0.985	(25.0)
W18 x 35	(W460 x 52)	6"	(152)	0.425	(10.8)
W18 x 40	(W460 x 60)	6"	(152)	0.525	(13.3)
W18 x 46	(W460 x 68)	6 1/16"	(154)	0.605	(15.4)
W18 x 50	(W460 x 74)	7 1/2"	(190)	0.570	(14.5)
W18 x 55	(W460 x 82)	7 1/2"	(190)	0.630	(16.0)
W18 x 60	(W460 x 89)	7 9/16"	(192)	0.695	(17.7)
W18 x 65	(W460 x 97)	7 9/16"	(192)	0.750	(19.0)
W18 x 71	(W460 x 106)	7 5/8"	(193)	0.810	(20.6)
W18 x 76	(W460 x 113)	11"	(279)	0.680	(17.3)
W18 x 86	(W460 x 128)	11 1/16"	(281)	0.770	(19.6)
W18 x 97	(W460 x 144)	11 1/8"	(282)	0.870	(22.1)
W18 x 106	(W460 x 158)	11 3/16"	(284)	0.940	(23.9)
W18 x 119	(W460 x 177)	11 1/4"	(286)	1.060	(26.9)
W21 x 44	(W530 x 66)	6 1/2"	(165)	0.450	(11.4)
W21 x 50	(W530 x 74)	6 1/2"	(165)	0.535	(13.6)
W21 x 57	(W530 x 85)	6 9/16"	(167)	0.650	(16.5)
W21 x 62	(W530 x 92)	8 1/4"	(209)	0.615	(15.6)
W21 x 68	(W530 x 101)	8 1/4"	(209)	0.685	(17.4)

Designation Nominal Depth & Weight In. x Lbs./Ft.	(mm x kg/m)	Flange Width b_f		Flange Thickness t_f	
W21 x 73	(W530 x 109)	8 1/4"	(209)	0.740	(18.8)
W21 x 83	(W530 x 123)	8 3/8"	(213)	0.835	(21.2)
W21 x 93	(W530 x 138)	8 7/16"	(214)	0.930	(23.6)
W21 x 101	(W530 x 150)	12 1/4"	(311)	0.800	(20.3)
W21 x 111	(W530 x 165)	12 3/8"	(314)	0.875	(22.2)
W21 x 122	(W530 x 182)	12 3/8"	(314)	0.960	(24.4)
W21 x 132	(W530 x 196)	12 7/16"	(316)	0.035	(26.3)
W21 x 147	(W530 x 219)	12 1/2"	(317)	0.150	(29.2)
W24 x 55	(W610 x 82)	7"	(178)	0.505	(12.8)
W24 x 62	(W610 x 92)	7 1/16"	(179)	0.590	(15.0)
W24 x 68	(W610 x 101)	8 15/16"	(227)	0.585	(14.9)
W24 x 76	(W610 x 113)	9"	(228)	0.680	(17.3)
W24 x 84	(W610 x 125)	9"	(228)	0.770	(19.6)
W24 x 94	(W610 x 140)	9 1/16"	(230)	1.875	(22.2)
W24 x 104	(W610 x 155)	12 3/4"	(324)	1.750	(19.0)
W24 x 117	(W610 x 174)	12 3/4"	(324)	0.850	(21.6)
W24 x 131	(W610 x 195)	12 7/8"	(327)	0.960	(24.4)
W24 x 146	(W610 x 217)	12 7/8"	(327)	1.090	(27.7)
W24 x 162	(W610 x 241)	12 15/16"	(328)	1.220	(31.0)
W27 x 84	(W690 x 125)	9 15/16"	(252)	0.640	(16.3)
W27 x 94	(W690 x 140)	10"	(254)	0.745	(18.9)
W27 x 102	(W690 x 152)	10"	(254)	0.830	(21.1)
W27 x 114	(W690 x 170)	10 1/16"	(255)	0.930	(23.6)
W27 x 146	(W690 x 217)	13 15/16"	(354)	0.975	(24.8)
W27 x 161	(W690 x 240)	14"	(355)	1.080	(27.4)
W27 x 178	(W690 x 265)	14 1/16"	(357)	1.190	(30.2)
W30 x 99	(W760 x 147)	10 7/16"	(265)	0.670	(17.0)
W30 x 108	(W760 x 161)	10 1/2"	(267)	0.760	(19.3)
W30 x 116	(W760 x 173)	10 1/2"	(267)	0.850	(21.6)
W30 x 124	(W760 x 185)	10 1/2"	(267)	0.930	(23.6)
W30 x 132	(W760 x 196)	10 9/16"	(268)	1.000	(25.4)
W30 x 173	(W760 x 257)	15"	(381)	1.065	(27.1)
W30 x 191	(W760 x 284)	15"	(381)	1.185	(30.1)
W30 x 211	(W760 x 314)	15 1/8"	(384)	1.315	(33.4)
W33 x 118	(W840 x 176)	11 1/2"	(292)	0.740	(18.8)
W33 x 130	(W840 x 193)	11 1/2"	(292)	0.855	(21.7)
W33 x 141	(W840 x 210)	11 1/2"	(292)	0.960	(24.4)
W33 x 152	(W840 x 226)	11 9/16"	(294)	1.055	(26.8)
W33 x 201	(W840 x 299)	15 3/4"	(400)	1.150	(29.2)
W36 x 135	(W920 x 201)	11 15/16"	(303)	0.790	(20.1)
W36 x 150	(W920 x 223)	12"	(305)	0.940	(23.9)
W36 x 160	(W920 x 238)	12"	(305)	1.020	(25.9)
W36 x 170	(W920 x 253)	12"	(305)	1.100	(27.9)
W36 x 182	(W920 x 271)	12 1/16"	(306)	1.180	(30.0)
W36 x 194	(W920 x 289)	12 1/8"	(308)	1.260	(32.0)
W36 x 210	(W920 x 313)	12 3/16"	(309)	1.360	(34.5)

Dimensions taken from ASTM A6-86.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

MSS TO B-LINE & FEDERAL SPECIFICATION CROSS REFERENCE

MSS SP-69 MSS SP-58	B-Line Part No.	Federal Spec. WW-H-171E
Type 1	B3100	Type 1
Type 1	B3100C	Type 1
Type 1	B3100F	Type 1
Type 1	B3102	Type 1
Type 1*	B3104	Type 12
Type 1	B3104CT	Type 12
Type 1	B3105	Type 1
Type 1	B3108	Type 1
Type 3	B3144	Type 3
Type 3	B3146	Type 3
Type 4	B3140	Type 4
Type 4	B3142	Type 4
Type 5	B3690	--
Type 5	B3690C	--
Type 5	B3690F	--
Type 6	B3171	Type 6
Type 7	B3172	Type 7
Type 7	B3172C	Type 7
Type 7	B3172CT	Type 7
Type 7	B3172CTC	Type 7
Type 7	B3172F	Type 7
Type 8	B3373	Type 8
Type 8	B3373C	Type 8
Type 8	B3373CT	Type 8
Type 8	B3373CTC	Type 8
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Type 10	B3170NFC	Type 10
Type 10	B3170NFF	Type 10
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Type 12	B3198RCT	Type 25
Type 13	B3202	Type 13
Type 14	B3201	Type 14
Type 15	B3224	Type 15
Type 15	B3224CT	Type 15
Type 16	B3222	Type 16

MSS SP-69 MSS SP-58	B-Line Part No.	Federal Spec. WW-H-171E
Type 17	B3200	Type 17
Type 18	B2500	Type 19
Type 18	B2505-B2508	Type 19
Type 18	B3014	Type 18
Type 19	B3031	Type 23
Type 19	B3033	--
Type 19	B3034	--
Type 21	B3050	Type 21
Type 22	B3083	Type 22
Type 23	B351L	Type 23
Type 23	B3036L	Type 23
Type 24	B3188	Type 24
Type 24	B3188C	Type 24
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Type 26	B3180	Type 26
Type 27	B3040	Type 54
Type 28	B3291, B3292 B3294, B3296 B3297	Type 28
Type 29	B3293, B3295 B3297	Type 29
Type 30	B3054	Type 30
Type 31	B3063	Type 32
Type 32	B3066	Type 33
Type 33	B3067	Type 34
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Type 35	B3891-B3897	--
Type 36	B3095	Type 37
Type 37	B3090	Type 38
Type 38	B3089	Type 39
Type 38	B3093	Type 39
Type 39A & 39B	B3160-B3165	Type 40A & 40B
Type 40	B3151	Type 41
Type 41	B3114	Type 42
Type 43	B3110	Type 44
Type 44	B3117SL	Type 45
Type 45	B3119SL	Type 46
Type 46	B3118SL	Type 47
Type 48	B3262	Type 49
Type 49	B3264	Type 50
Type 57	B3080S & L	--

* For all finishes excluding plain.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

FEDERAL SPECIFICATION TO B-LINE & MSS CROSS REFERENCE

Federal Spec. WW-H-171E	B-Line Part No.	MSS SP-69 MSS SP-58
Type 1	B3100	Type 1
Type 1	B3100C	Type 1
Type 1	B3100F	Type 1
Type 1	B3102	Type 1
Type 12	B3104	Type 1*
Type 12	B3104CT	Type 1
Type 1	B3105	Type 1
Type 1	B3108	Type 1
Type 3	B3144	Type 3
Type 3	B3146	Type 3
Type 4	B3140	Type 4
Type 4	B3142	Type 4
Type 6	B3171	Type 6
Type 7	B3172	Type 7
Type 7	B3172C	Type 7
Type 7	B3172CT	Type 7
Type 7	B3172CTC	Type 7
Type 7	B3172F	Type 7
Type 8	B3373	Type 8
Type 8	B3373C	Type 8
Type 8	B3373CT	Type 8
Type 8	B3373CTC	Type 8
Type 10	B3170	Type 10
Type 10	B3170CT	Type 10
Type 10	B3170CTC	Type 10
Type 10	B3170NF	Type 10
Type 10	B3170NFC	Type 10
Type 10	B3170NFF	Type 10
Type 11	B3173	Type 11
Type 11	B3173CT	Type 11
Type 12	B3104	--
Type 12	B3104C	--
Type 12	B3104CT	--
Type 12	B3104CTC	--
Type 12	B3104F	--
Type 13	B3202	Type 13
Type 14	B3201	Type 14
Type 15	B3224	Type 15
Type 15	B3224CT	Type 15
Type 16	B3222	Type 16
Type 17	B3200	Type 17

* For all finishes excluding plain.

Federal Spec. WW-H-171E	B-Line Part No.	MSS SP-69 MSS SP-58
Type 18	B3014	Type 18
Type 19	B2500	Type 18
Type 19	B2505-B2508	Type 18
Type 21	B3050	Type 21
Type 22	B3083	Type 22
Type 23	B351L	Type 23
Type 23	B3031	Type 19
Type 23	B3036L	Type 23
Type 24	B3188	Type 24
Type 24	B3188C	Type 24
Type 25	B3198H	Type 12
Type 25	B3198HCT	Type 12
Type 25	B3198R	Type 12
Type 25	B3198RCT	Type 12
Type 26	B3180	Type 26
Type 28	B3291, B3292 B3294, B3296 B3297	Type 28
Type 29	B3293, B3295 B3297	Type 29
Type 30	B3054	Type 30
Type 32	B3063	Type 31
Type 33	B3066	Type 32
Type 34	B3067	Type 33
Type 35	B3062	Type 34
Type 37	B3095	Type 36
Type 38	B3090	Type 37
Type 39	B3089	Type 38
Type 39	B3093	Type 38
Type 40A & 40B	B3160-3165	Type 39A & 39B
Type 41	B3151	Type 40
Type 42	B3114	Type 41
Type 44	B3110	Type 43
Type 45	B3117SL	Type 44
Type 46	B3119SL	Type 45
Type 47	B3118SL	Type 46
Type 49	B3262	Type 48
Type 50	B3264	Type 49
Type 53	B3045	Type 25
Type 54	B3040	Type 27

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B-LINE COMPLIANCES & APPROVALS

Part No.	MSS SP-69 MSS SP-58	Federal Spec. WW-H-171E	UL Listed	FM Approved
B351L	Type 23	Type 23	3/8"-16 thru 3/4"-10	3/8"-16 thru 3/4"-10
B2505-B2508	Type 18	Type 19	Yes	Yes
B3014	Type 18	Type 18	Yes	Yes
B3031	Type 19	Type 23	Yes (Top Flange Only)	Yes
B3033	Type 19	--	3/8"-16 thru 3/4"-10	3/8"-16 thru 3/4"-10
B3034	Type 19	--	3/8"-16 & 1/2"-13	3/8"-16 & 1/2"-13
B3036L	Type 23	Type 23	3/8"-16 thru 3/4"-10	3/8"-16 thru 3/4"-10
B3040	Type 27	Type 54	--	--
B3045	Type 25	Type 53	--	--
B3050	Type 21	Type 21	--	--
B3054	Type 30	Type 30	3/8"-16 thru 7/8"-9	3/8"-16 thru 7/8"-9
B3062	Type 34	Type 35	--	--
B3063	Type 31	Type 32	--	--
B3066	Type 32	Type 33	--	--
B3067	Type 33	Type 34	--	--
B3080S & L	Type 57	--	--	--
B3083	Type 22	Type 22	--	--
B3089	Type 38	Type 39	--	--
B3090	Type 37	Type 38	--	--
B3093	Type 38	Type 39	--	--
B3095	Type 36	Type 37	--	--
B3100	Type 1	Type 1	3/4" (20) thru 12" (300)	3/4" (20) thru 12" (300)
B3100C	Type 1	Type 1	--	3/4" (20) thru 12" (300)
B3100F	Type 1	Type 1	3/4" (20) thru 12" (300)	3/4" (20) thru 12" (300)
B3102	Type 1	Type 1	--	--
B3104	Type 1*	Type 12	3/4" (20) thru 4" (100)	3/4" (20) thru 4" (100)
B3104C	Type 1*	Type 12	--	3/4" (20) thru 4" (100)
B3104CT	Type 1	Type 12	--	3/4" (20) thru 4" (100)
B3104CTC	Type 1	Type 12	--	3/4" (20) thru 4" (100)
B3104F	Type 1*	Type 12	3/4" (20) thru 4" (100)	3/4" (20) thru 4" (100)
B3105	Type 1	Type 1	--	--
B3108	Type 1	Type 1	--	--
B3110	Type 43	Type 44	--	--
B3114	Type 41	Type 42	--	--
B3117SL	Type 44	Type 45	--	--
B3118SL	Type 46	Type 47	--	--
B3119SL	Type 45	Type 46	--	--
B3140	Type 4	Type 4	3/4" (20) thru 12" (300)	3/4" (20) thru 12" (300)
B3142	Type 4	Type 4	--	--
B3144	Type 3	Type 3	--	--
B3146	Type 3	Type 3	--	--
B3151	Type 40	Type 41	--	--
B3160-B3165	Type 39A & 39B	Type 40A & 40B	--	--
B3170	Type 10	Type 10	--	--
B3170CT	Type 10	Type 10	--	--
B3170CTC	Type 10	Type 10	--	--
B3170NF	Type 10	Type 10	1/2" (15) thru 4" (100)	1/2" (15) thru 4" (100)
B3170NFC	Type 10	Type 10	--	--
B3170NFF	Type 10	Type 10	--	--

* For all finishes excluding plain.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B-LINE COMPLIANCES & APPROVALS

Part No.	MSS SP-69 MSS SP-58	Federal Spec. WW-H-171E	UL Listed	FM Approved
B3171	Type 6	Type 6	--	--
B3172	Type 7	Type 7	--	--
B3172C	Type 7	Type 7	--	--
B3172CT	Type 7	Type 7	--	--
B3172CTC	Type 7	Type 7	--	--
B3172F	Type 7	Type 7	--	--
B3173	Type 11	Type 11	--	--
B3173CT	Type 11	Type 11	--	--
B3174	--	--	3/4" (20) thru 4" (100)	3/4" (20) thru 4" (100)
B3174C	--	--	--	3/4" (20) thru 4" (100)
B3174CT	--	--	--	3/4" (20) thru 4" (100)
B3174CTC	--	--	--	3/4" (20) thru 4" (100)
B3174F	--	--	--	3/4" (20) thru 4" (100)
B3180	Type 26	Type 26	3/4" (20) thru 4" (100)	3/4" (20) thru 4" (100)
B3188	Type 24	Type 24	3/4" (20) thru 12" (300)	3/4" (20) thru 12" (300)
B3188C	Type 24	Type 24	--	3/4" (20) thru 12" (300)
B3198H	Type 12	Type 25	--	--
B3198HCT	Type 12	Type 25	--	--
B3198R	Type 12	Type 25	--	--
B3198RCT	Type 12	Type 25	--	--
B3200	Type 17	Type 17	--	--
B3201	Type 14	Type 14	--	--
B3202	Type 13	Type 13	--	--
B3203	--	--	3/8"-16 thru 7/8"-9	3/8"-16 thru 7/8"-9
B3222	Type 16	Type 16	3/8"-16 thru 7/8"-9	3/8"-16 thru 7/8"-9
B3223	--	--	Up To 4" (100) Pipe	Up To 4" (100) Pipe
B3224	Type 15	Type 15	--	--
B3224CT	Type 15	Type 15	--	--
B3262	Type 48	Type 49	--	--
B3264	Type 49	Type 50	--	--
B3291, B3292 B3294, B3296 B3297	Type 28	Type 28	--	--
B3293, B3295 B3297	Type 29	Type 29	--	--
B3373	Type 8	Type 8	3/4" (20) thru 8" (200)	--
B3373C	Type 8	Type 8	--	--
B3373CT	Type 8	Type 8	--	3/4" (20) thru 4" (100)
B3373CTC	Type 8	Type 8	--	3/4" (20) thru 4" (100)
B3690	Type 5	--	3/4" (20) thru 8" (200)	3/4" (20) thru 8" (200)
B3690C	Type 5	--	--	3/4" (20) thru 8" (200)
B3690F	Type 5	--	3/4" (20) thru 8" (200)	3/4" (20) thru 8" (200)

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Seismic Restraints

Multi-Directional Bracing For Mechanical Piping Systems

B-Line's seismic restraints are designed to resist movement of mechanical/electrical systems in the event of an earthquake.

This guideline is based on the California Code of Regulations Title 24, Part 2 requirements for hospitals and essential facilities in seismic zone 4. Essential facilities are those structures which are necessary for emergency post-earthquake operations.

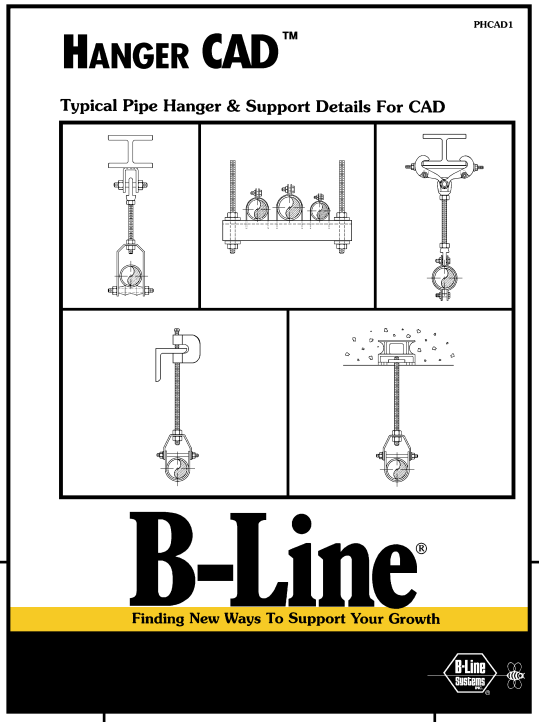
The restraint system is composed of a combination of structural connections, rod stiffeners, bolted metal framing, pipe hangers and clamps, all of which are standard products in our Pipe Hanger and Strut Systems product lines.

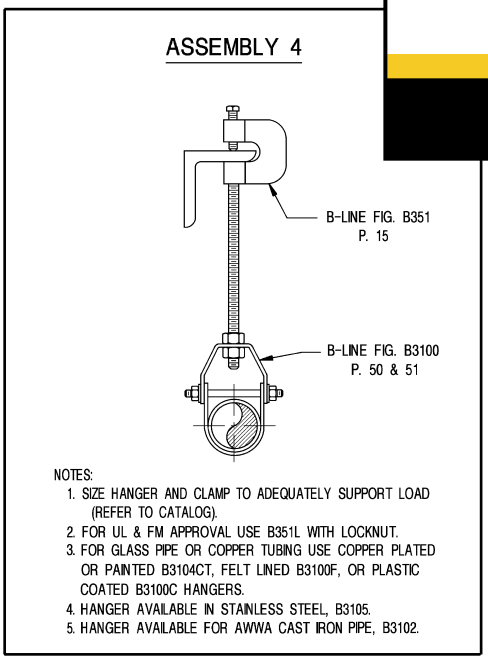
FEATURES:

- California Office of Statewide Health, Planning and Development (OSHPD) approved.
- 'How To Select Seismic Bracing' Section.
- List of installations where seismic bracing can be omitted.
- Easy to read charts for standard hanger spacing and spacing of seismic bracing.
- Installation details and part number identification of single hanger rod supports and trapeze supports.
- Hinged structural connections for angular adjustment and ease of installation.
- Seismic map of the United States.

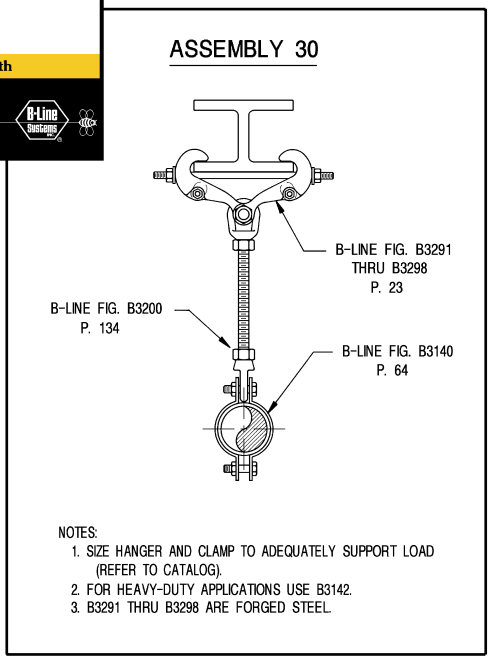
HANGER CAD™

Typical Pipe Hanger & Support Details for CAD





Typical Support Details



B-Line's HangerCAD™ System contains over 90 details of typical pipe support assemblies, including Plumbing, Industrial, HVAC, Sprinklers and Strut Mounted Systems. HangerCad™ is available on $3^{1}/_{2}$" diskettes in AutoCAD and Intergraph formats. These details can be used for either engineering design drawings or contractor shop drawings. For more information contact B-Line Systems, Inc. home office.

ADDITIONAL B-LINE® SUPPORT SYSTEMS

Strut

B-Line's rigid metal framing support system is used in electrical and mechanical construction. Strut is fully adjustable and reusable - designed to eliminate welding or drilling.

Call or write for any of these catalogs.

Fasteners

B-Line's spring steel fastener line includes over 450 items for the construction industry. Included are metal stud fasteners, conduit and cable fasteners, acoustical tee fasteners, beam fasteners, hangers (strap, rod, 'Z' purlin, flange, etc.), and miscellaneous accessories.

Anchors

B-Line offers a complete line of anchors; including hollow wall, plastic screw, split bolt, single and double expansion, lag screws, toggle bolts and more. This product and application guide provides features, application charts, and installation tips.

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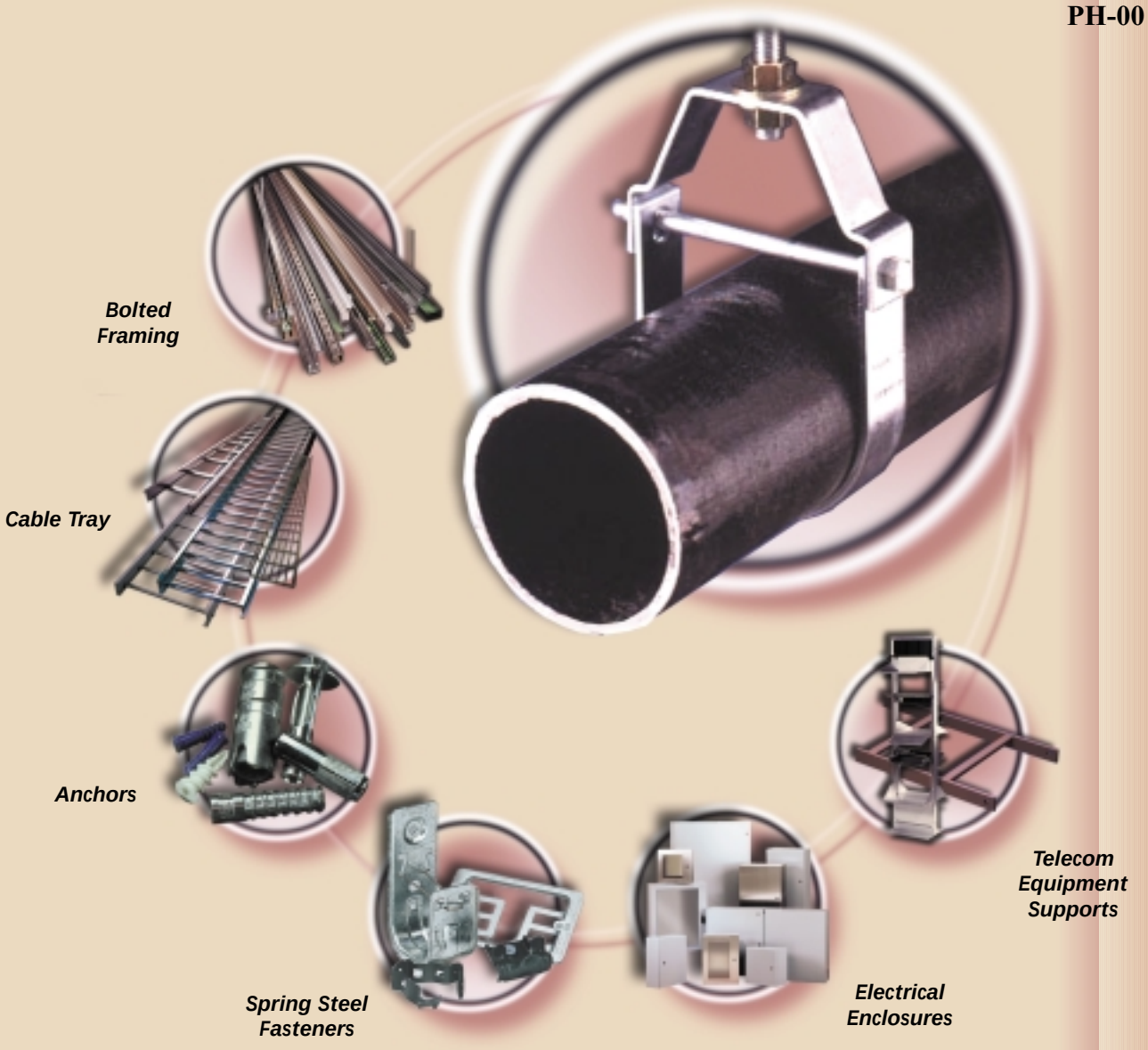

Customer Service

Electrical/Mechanical

Phone: 618-654-2184
Fax: 618-654-1917
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Highland, IL 62249

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303-375-8015
Cooper B-Line
21000 East 32nd Parkway
Aurora, CO 80011

www.b-line.com

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SYSTEMS THAT MAKE SENSE

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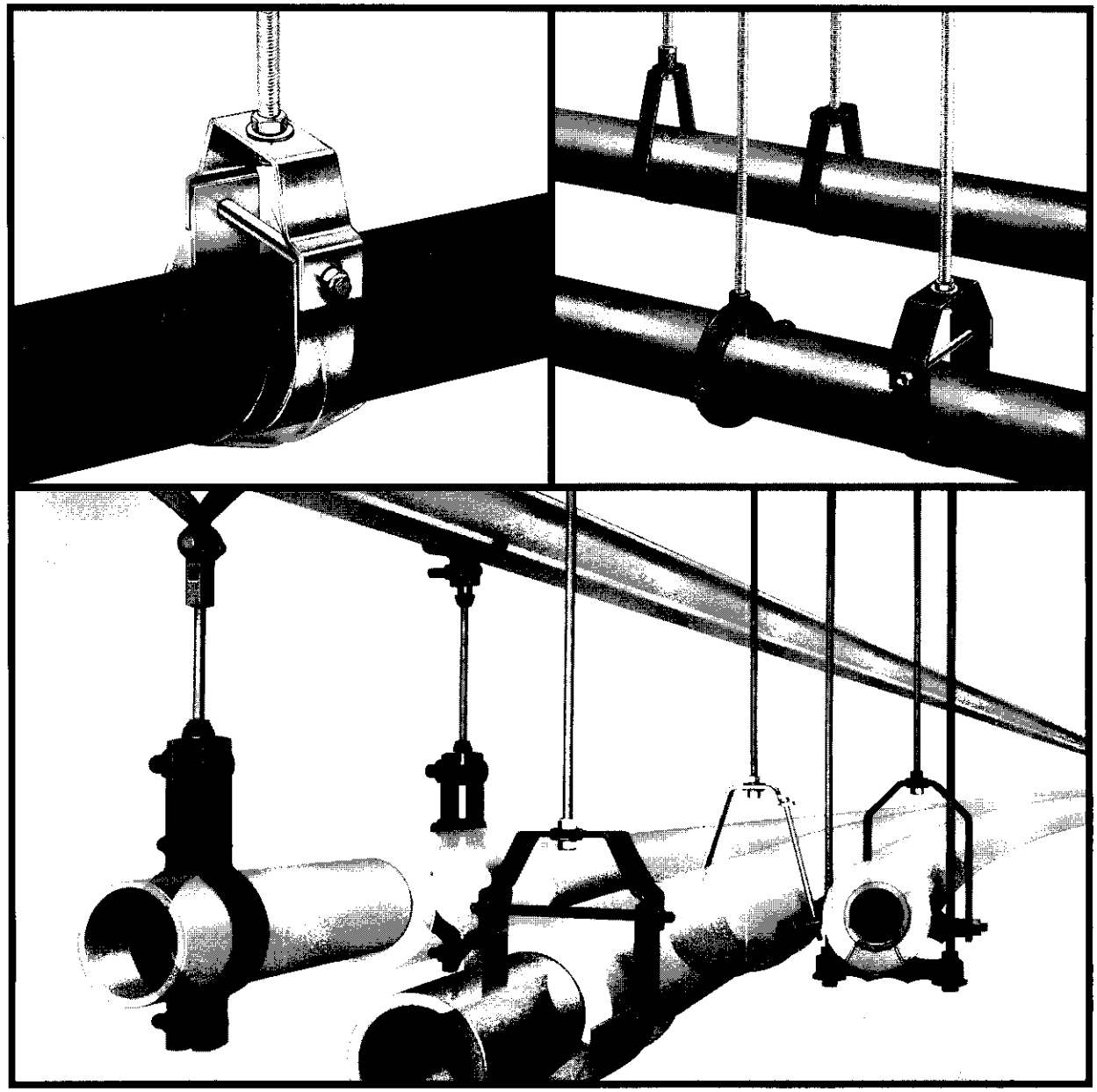
PIPE HANGERS & SUPPORTS

PRICE SHEET PH01PS

June 4, 2001
(supersedes PH98PS)



B-Line®

SYSTEMS THAT MAKE SENSE

COOPER B-Line

COOPER B-LINE, INC.
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1. Scope: All orders for materials, goods, products or services (collectively, the "Product(s)") are subject to the following terms and conditions. These terms and conditions are governed by, and construed according to, the laws of the state of Illinois. No salesperson or other party is authorized to bind Cooper B-Line ("Cooper B-Line") by any agreement, warranty, statement, promise, or understanding not herein expressed, and no modifications shall be binding on Cooper B-Line unless the same are in writing and signed by an executive officer of Cooper B-Line or its duly authorized representative.
2. Prices and Terms: All prices and terms are subject to change without notice by Cooper B-Line. Prices shall be those in effect at the time of shipment.
3. Order Acceptance: All orders are subject to final approval and acceptance by Cooper B-Line . Cooper B-Line reserves all rights to accept orders in whole or in part. Such acceptance will take the form of a shipment upon the order. Shipment of less than an entire order shall be deemed acceptance of that portion of the order actually shipped. Written or oral notice acknowledging receipt to an order does not constitute acceptance by Cooper B-Line of the unshipped portion of any order. Any different or additional terms and conditions proposed by Purchaser (herein so called) in its purchase order, or otherwise not specifically approved in writing by Cooper B-Line, are rejected by Cooper B-Line.
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7. Title and Risk of Loss: Title and right to possession of any Product remains with Cooper B-Line until all payments are made in full. Purchaser agrees to do all acts necessary to protect such right and title. Risk of loss however shall pass to Purchaser at the time of delivery to the carrier. Purchaser shall make claims for loss or damage to goods while in transit against the carrier. Cooper B-Line will assist Purchaser in securing satisfactory adjustment of such claims.
8. Minimum Orders: $50 Net on all items.
9. Taxes: All sales, use, excise and similar taxes which Cooper B-Line may be required to pay or collect with respect to the Products covered by any order shall be added to the invoices as a separate charge to be paid by the Purchaser.
10. Returns: Permission to return any standard merchandise must be obtained in writing from Cooper B-Line. FULL MERCHANDISE CREDIT will be allowed for Cooper B-Line Fasteners in standard full cartons in first-class, saleable condition, subject to the following conditions: Only standard full-carton quantities will be considered. Broken cartons, unsaleable material, specials, or non-catalogued Products will not be considered for credit. RETURN TRANSPORTATION MUST BE PREPAID, and freight expenses will be the responsibility of the Purchaser. A STOCK REPLACEMENT ORDER OF EQUAL VALUE MUST ACCOMPANY THE RETURN. All material is subject to inspection by Cooper B-Line and Cooper B-Line will make the sole determination as to the saleability of said Product(s). This return policy applies only to Cooper B-Line Products contained in the fastener catalog. Any and all other Products sold by Cooper B-Line are subject to inspection and applicable terms and conditions of return as set forth in their respective current price lists. Cooper B-Line reserves the right to change any of the above return conditions without notice.
11. Errors: Should an error be made filling an order, Purchaser shall notify Cooper B-Line in writing promptly and Cooper B-Line will attempt to adjust the matter without any expense to the Purchaser. Claims for defective material, shortages, delays, failures in shipment or delivery, for any other cause shall be deemed waived and released by Purchaser unless made IN WRITING WITHIN 30 DAYS AFTER ARRIVAL OF THE PRODUCTS. Under no circumstances shall Purchaser install damaged or defective material if claims are to be made. In the event of an incorrect shipment or price discrepancy, payment of the invoice must be made in full. A debit or credit memo, as applicable, must accompany the remittance, referencing Cooper B-Line's invoice number, with a full explanation. Clerical errors or valid discrepancies by Cooper B-Line are subject to correction or adjustment.
12. Cancellation: This agreement may be cancelled by the Purchaser, in whole or in part, only with the written consent of Cooper B-Line. Such consent by Cooper B-Line is at its sole and absolute discretion. A cancellation charge satisfactory to Cooper B-Line, in its sole and absolute discretion, shall take into proper account the work already done, facilities, and materials acquired and/or commitments made by Cooper B-Line. Under no circumstances shall orders for special or non-catalogued items be subject to cancellation after production is started.
13. Protection Against Infringement: Other than for Products furnished to or for the Purchaser in compliance with Purchaser's designs, plans or specifications, Cooper B-Line will, at its own expense, defend any suits which may be instituted by any party against Purchaser for alleged infringement of United States or Canadian patents relating to the Products of its own manufacture furnished hereunder and used in the regular course of Purchaser's business. Provided however, Purchaser shall have made all payments then due hereunder, given to Cooper B-Line immediate notice in writing of such suits, permit Cooper B-Line to defend the suits, and give all needed assistance and authority to enable Cooper B-Line to defend the suits. In case of a final award of damages in such suit, Cooper B-Line will pay such award, but Cooper B-Line shall not be responsible for any reason for the use of parts not furnished by Cooper B-Line. In the event that the use or sale of said Products is enjoined, Cooper B-Line, if unable within a reasonable time to secure for Purchaser the right to continue using or selling said Products will, at its own expense, either replace said Products with non-infringing Products, modify said Products so that they become non-infringing, or remove the enjoined Products and refund the sums paid therefore. The foregoing states the entire liability of Cooper B-Line for patent infringement of any Products, or any part thereof. Cooper B-Line assumes no liability whatsoever for patent infringement of any Products, or part thereof, manufactured to Purchaser's design, plans or specifications or for patent infringement resulting from using the Products in connection with other products.
14. Credit: Cooper B-Line reserves the right at any time to revoke any credit extended to Purchaser if Purchaser fails to pay for any shipments when due or, if in Cooper B-Line's sole and absolute opinion, there is a material adverse change in Purchaser's financial condition. Cooper B-Line may, at its option, cancel any accepted order if Purchaser fails to pay in full any invoice when due.
15. Indemnity: Purchaser agrees to defend, indemnify, and hold harmless Cooper B-Line, its subsidiary and affiliate companies, their agents, employees, directors, officers, servants, and insurers, from and against any and all losses, claims, demands, liabilities or causes of action of every kind and character, whether in contract or in tort, including claims of negligence, or strict liability (including any action brought by any employee, agent or subcontractor of Purchaser for Purchaser's failure to comply with Cooper B-Line's published instructions and specifications concerning the operation, use or maintenance of Products) in favor of any person or party, for injury to or illness or death of any person or party, or for any property damage (including loss of income, profits, sales or "down time") arising out of or incident to the Products, except any loss, claim, demand or liability proven to be the result of the gross negligence of Cooper B-Line and not contributed to by the negligence of Purchaser, its agents, employees, officers or directors or other third parties.
16. Limitations of Liability: Cooper B-Line's liability for any claim of any kind shall not exceed the purchase price of Products, or portions thereof, which gives rise to the claim whether such claim shall be for breach of contract, breach of warranty or negligence and whether such claim arises out of, or results from this agreement or from the design, manufacture, sale, delivery, resale, installation, technical direction of installation, inspection, repair, operation, or use of any Products furnished under this agreement. Cooper B-Line shall not be liable, in any event, for special or consequential damages, including, but not limited to, loss of profits or revenue, loss of use of the Products, or any associated goods, cost of capital, cost of substitute Products, facilities or services, downtime costs, or claim of customers of Purchaser for such damages.
17. Disclaimer Of Warranties: Cooper B-Line guarantees to repair or replace, at Cooper B-Line's option, any Product which Cooper B-Line finds, in its sole and absolute discretion, to be defective in material or workmanship, provided that a claim, and proof thereof, is made in writing to Cooper B-Line within thirty (30) days after Purchaser's receipt thereof. Cooper B-Line's obligation with respect to Products found by Cooper B-Line to be defective shall be limited to replacement or repair and in no event shall Cooper B-Line be liable for transportation to or from our factory, installation, adjustments or any expenses or damages which may arise in connection with such Products, nor for damages for the loss of use, and the foregoing shall be the Purchaser's sole remedy hereunder. REGARDING THE SALE OF ALL MATERIALS AND PRODUCTS OF COOPER B-LINE, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO, WARRANTIES FOR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
18. Material Supplier Only: Cooper B-Line is a material supplier and fabricator and not a construction sub-contractor. Cooper B-Line assumes no responsibility for any terms, conditions, or special provisions contained in any contract between Purchaser and any other party, including but not limited to, provisions regarding warranties, time and method of payment and retainage, or cancellation and penalties for delay in completion.
19. Non-waiver By Cooper B-Line: Waiver by Cooper B-Line of a breach of any of these terms and conditions shall not be construed as a waiver of any other breach.
20. Governing Law: All matters relating to the interpretation and effect of these terms and conditions, or any authorized changes, modifications or amendments thereto, shall be governed by and construed according to the laws of the state of Illinois.
21. Assignment: Purchaser shall not assign this agreement, or any rights therein or thereunder, without the written consent of Cooper B-Line.
22. Force Majeure: Cooper B-Line shall not be liable for any delay or failure to perform its obligations under this agreement, resulting directly or indirectly from or contributed to by any acts of God, acts of Purchaser, acts of government or other civil or military authorities, priorities, strikes, or other labor disputes, fires, accidents, floods, epidemics, war, riot, embargoes, delays in transportation, lack of or inability to obtain raw materials, components, labor, fuel, or supplies, or other circumstances beyond Cooper B-Line's reasonable control (a "Force Majeure Event"). If Cooper B-Line elects, the time for performance shall be extended by a period of time equal to the time lost because of any delays caused by reasons of the Force Majeure Event.

Hot-dip galvanized (after fabrication), stainless steel, PVC, and aluminum prices and availability on request–consult home office.

ALL WEIGHTS SHOWN IN THIS PRICE LIST ARE ESTIMATED WEIGHTS ONLY.

SEND ALL MAIL TO COOPER B-LINE, INC. • 509 WEST MONROE STREET • HIGHLAND, ILLINOIS 62249-0326

CALL–AREA CODE 618-654-2184

DISCOUNT SCHEDULE

Schedule	Multiplier	
X		
Y		
Z		

X	Y	Z
B351	B3019	Balance
B351L	B3060	
B3031	B3060L	
B3033	B3070	
B3034	B3110	
B3036	B3140	
B3036L	B3151	
B3100	B3170NFF	
B3104	B3198R	
B3104CT	B3198RCT	
B3170CT	B3690	
B3170NF	B3690F	
B3174		
B3174CT		
B3188		
B3198H		
B3198HCT		
B3199		
B3199CT		
B3373		
B3373CT		

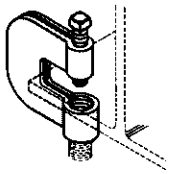
STANDARD FINISH ABBREVIATIONS

All material finishes must be noted on orders as follows:

Plain (Black) ..... PLN	Dura-Green® Epoxy ..... Grn
Electro-Plated ..... ZNPLT	Stainless Steel ..... SS
Pregalvanized ..... GALV	Polyvinyl Chloride ..... PVCBLK
Hot-Dip Galvanized ..... HDG	Copper Plated ..... CUPLT
Red Primer ..... RP	Dura-Copper® ..... DCU

PICTORIAL INDEX

BEAM CLAMPS



B351
Steel C-Clamp
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B351L
Steel C-Clamp
With Locknut
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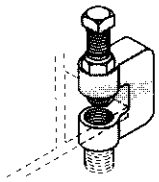

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B3036L
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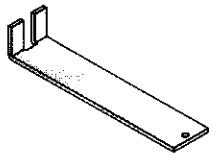
C-Clamp With
Locknut Page 12



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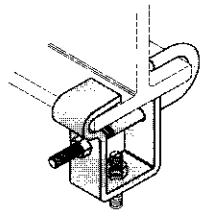

B3040
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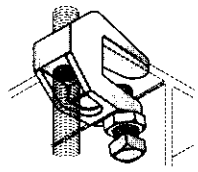
Page 12



B3031-3/8
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Malleable C-Clamp
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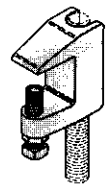

B3033
Wide Jaw
Top Flange
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B3034
Top Flange
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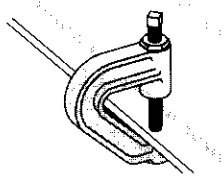

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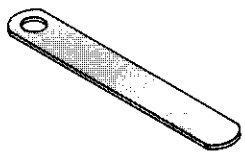

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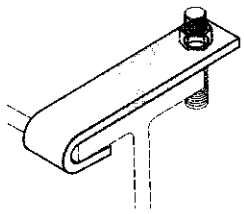

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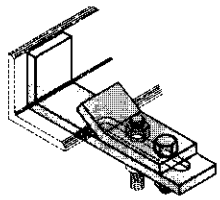

B3046
Angle Iron
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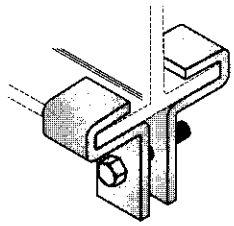

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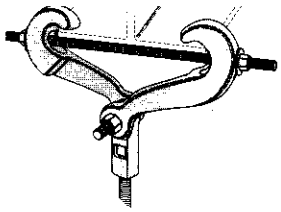

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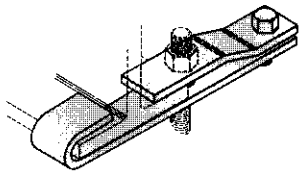

B3045
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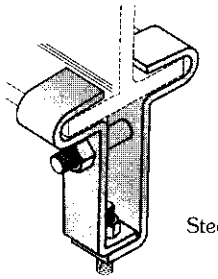

B3055
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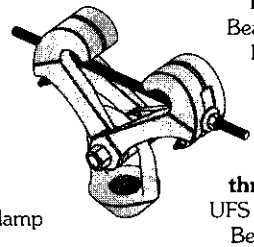

B3291
thru B3298
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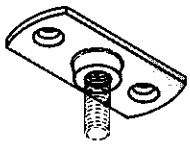

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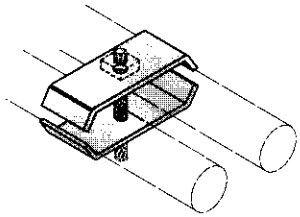

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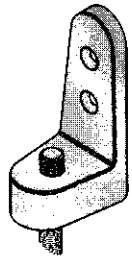

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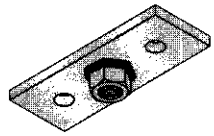

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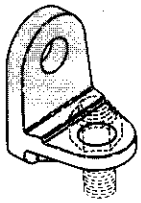

B3062
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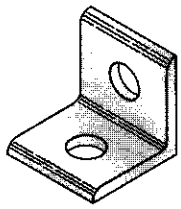

B3060
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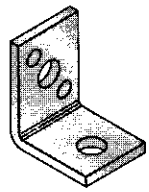

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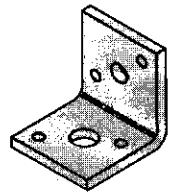

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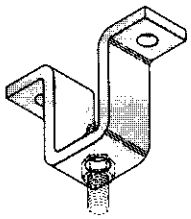

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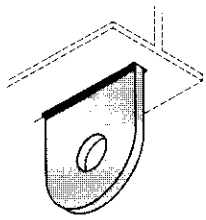

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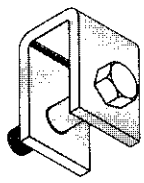

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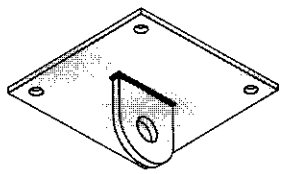

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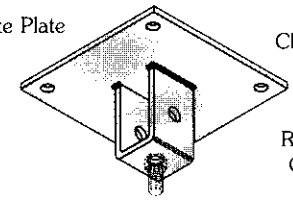

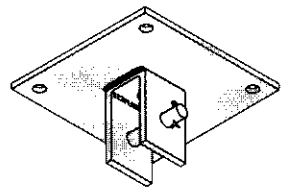

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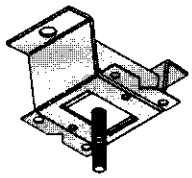

B2500
Light Duty Spot Insert
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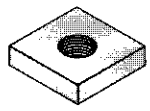

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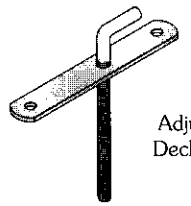

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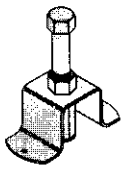

B2501
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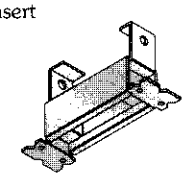

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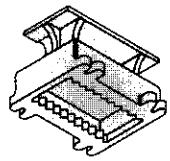

B3014
Malleable Iron Spot Insert
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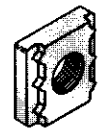

B3014N
Malleable Iron Insert Nut
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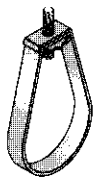
PIPE HANGERS



B3174
Twirl Adjustable Band Hanger
Page 36

B3174CT
Copper Tubing Twirl Adjustable Band Hanger
Page 37

B3174C
Plastic Coated Twirl Adjustable Band Hanger
Page 36

B3174F
Felt Lined Twirl Adjustable Band Hanger
Page 37

B3170
Adjustable Swivel Ring
Page 34

B3170NF
Adjustable Swivel Ring (NFPA Rod Sizes)
Page 34

B3170NFC
Plastic Coated Adjustable Swivel Ring (NFPA Rod Sizes)
Page 34

B3170CT
Copper Tubing Adjustable Swivel Ring
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B3170NFF
Felt Lined Adjustable Swivel Ring (NFPA Rod Sizes)
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B3172
Adjustable Band Hanger
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B3172CT
Copper Tubing Adjustable Band Hanger
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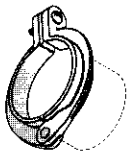
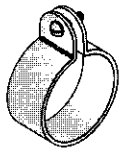
PIPE HANGERS



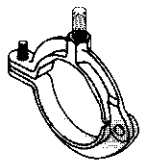
B3173
Split Ring Hanger
Page 36

B3173CT
Copper Tubing
Split Ring Hanger
Page 36



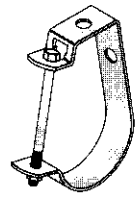
B3175
Ring and Bolt Hanger
Page 37

B3175CT
Copper Tubing
Ring and Bolt Hanger
Page 37



B3198H
Hinged Extension
Split Pipe Clamp
Page 40

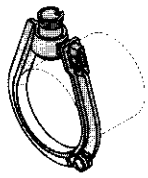
B3198HCT
Copper Tubing
Hinged Extension
Split Pipe Clamp
Page 40



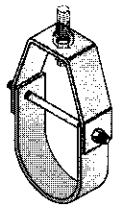
B3690
Adjustable 'J' Hanger
Page 56

B3690C
Plastic Coated
Adjustable 'J' Hanger
Page 56

B3690F
Felt Lined
Adjustable 'J' Hanger
Page 56

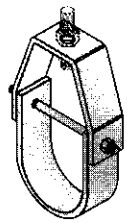


B3171
Adjustable Split
Ring Swivel Hanger
Page 35



B3104
Light Duty Clevis Hanger
Page 22

B3104CT
Copper Tubing
Light Duty Clevis Hanger
Page 22



B3100
Standard Clevis Hanger
Page 21

B3100C
Plastic Coated
Standard Clevis Hanger
Page 21

B3100F
Felt Lined
Standard Clevis Hanger
Page 21

B3102
AWWA Clevis Hanger
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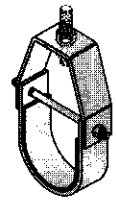
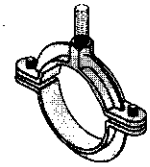
B3105
Stainless Steel
Clevis Hanger
Page 23



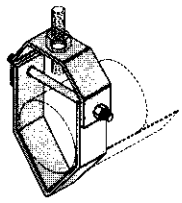
B3104C
Plastic Coated
Light Duty Clevis
Hanger Page 22

B3104F
Felt Lined Light Duty
Clevis Hanger
Page 23

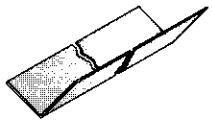


B3198P
B3198R
Extension Split Pipe
Clamp Page 41

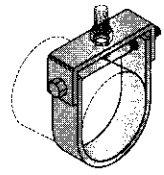
B3198RCT
Copper Tubing
Extension Split Pipe
Clamp Page 41



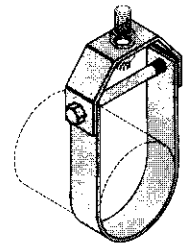
B3106
Vee Bottom
Clevis Hanger
Page 23



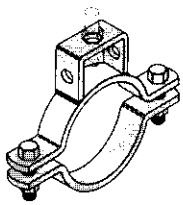
B3106V
Plastic Pipe
Support Channel
Page 23



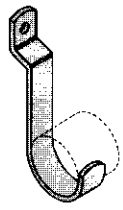
B3109
Flat Top Clevis
Hanger Page 24



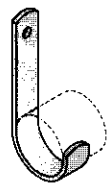
B3108
Extended
Clevis Hanger
Page 23



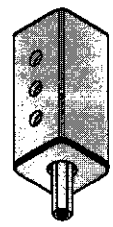
B386
Suspension Rod
Pipe Clamp Page 10



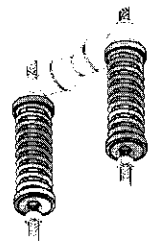
B3190
Offset 'J' Hook
Page 39



B3191
Straight 'J' Hook
Page 39

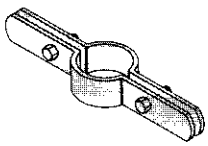


B3262
Light Duty
Spring Hanger Page 49



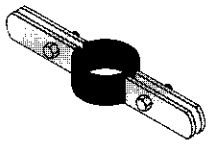
B3264
Spring Cushion
Hanger Page 49

PIPE CLAMPS



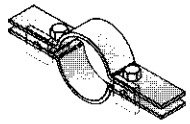
B3373
Standard Riser Clamp
Page 52

B3373CT
Copper Tubing
Riser Clamp
Page 52

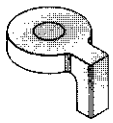


B3373C
Plastic Coated
Standard Riser Clamp
Page 52

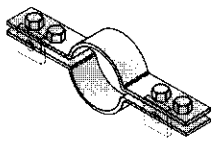
B3373CTC
Copper Tubing
Plastic Coated Riser
Clamp Page 52



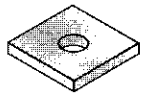
B3132
Two-Bolt
Underground Clamp
Page 27



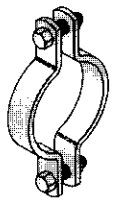
B3132W
Lug Washer
Page 27



B3134
Four-Bolt
Underground Clamp
Page 27

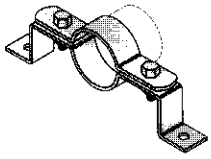


B3134W
Washer
Page 27

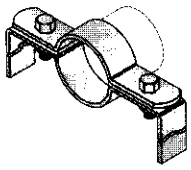


B3140
Standard Pipe Clamp
Page 28

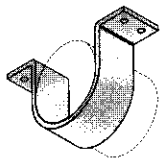
B3142
Heavy Duty Pipe Clamp
Page 28



B3148
Offset Pipe Clamp
Page 29



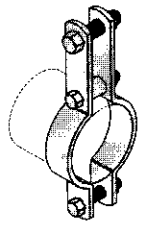
B3149
Marine Hanger
Page 30



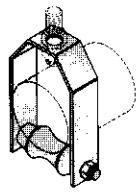
B3180
Short Pipe Strap
Page 38

B3144
Double Bolt Pipe Clamp
Page 28

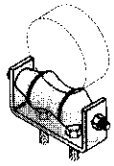
B3146
Heavy Duty Double
Bolt Pipe Clamp
Page 29



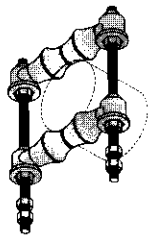
PIPE ROLLERS & ROLLER SUPPORTS



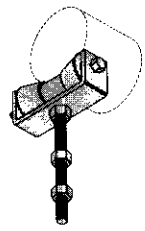
B3110
Adjustable Steel
Yoke Pipe Roll
Page 24



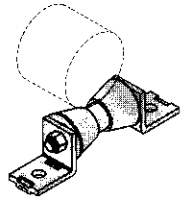
B3120
Roller Chair
Page 26



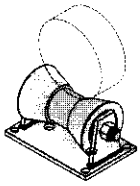
B3122A
Adjustable Double
Roller Guide
Page 26



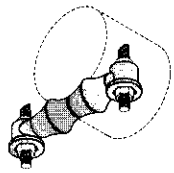
B3124
Roller Support
Page 26



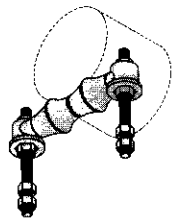
B3126
Roller Support
Page 26



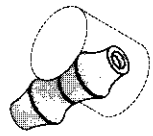
B3117SL
Steel Roller Stand
Page 25



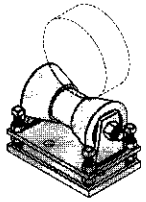
B3114
Pipe Roll With
Sockets
Page 24



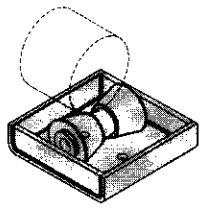
B3122
Adjustable Roller Support
Page 26



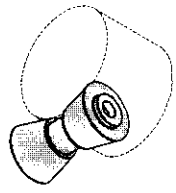
B3114R
Long Pipe Roll Only
Page 25



B3118SL
Adjustable Roller Stand
With Base Plate
Page 25



B3119SL
Roller With Steel
Base Plate
Page 25



B3117R
Short Pipe Roll Only
Page 25

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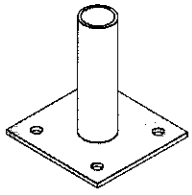
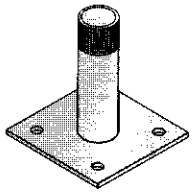
PIPE SUPPORTS, GUIDES, SHIELDS & SADDLES

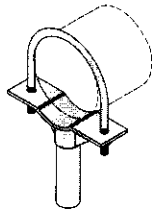


B3088
Base Stand
Page 18

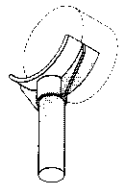


B3088T
Threaded Base Stand
Page 18

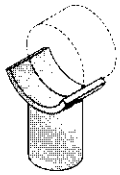
B3089
Pipe Support Adjuster
Page 18



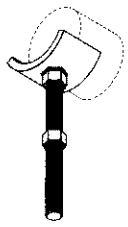
B3090
Pipe Saddle Support
With U-Bolt
Page 19



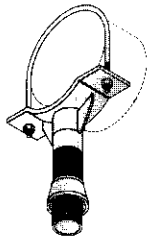
B3095
Pipe Saddle Support
Page 20



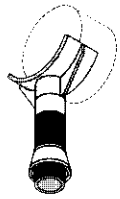
B3091
Pipe Saddle Support
Page 19



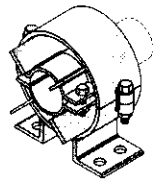
B3096
Adjustable Pipe
Saddle Support
Page 20



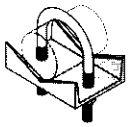
B3092
Adjustable Pipe Saddle
Support With Yoke
Page 19



B3093
Adjustable Pipe
Saddle Support
Page 20



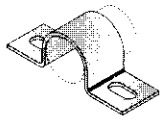
B3281 thru B3287
Pipe Alignment Guide
Page 50



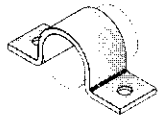
B3147A
B3147B
Anchor Chairs
Page 29

B3195
IPS Felt Isolator
Page 40

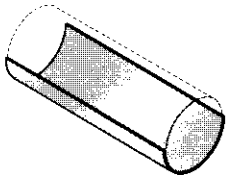
B3195CT
Copper Tubing
Felt Isolator
Page 40



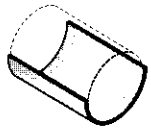
B3252
Standard Hold-Down
Pipe Guide
Page 48



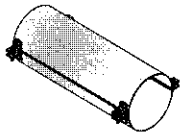
B3256
Hold-Down
Anchor Clamp
Page 49



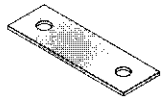
B3151
Insulation Protection Shield
Page 30



B3154
Short Insulation
Protection Shield
Page 31

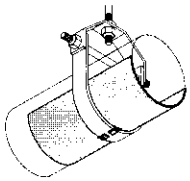


B3152
360° Insulation
Protection Shield
Page 30

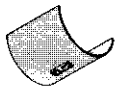


B3253
Base Plate
Page 49

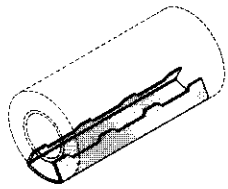
B3257
Base Plate
Page 49



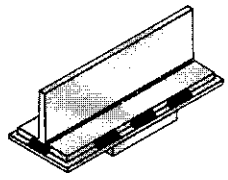
B3153
Insulation Protection
Shield With Tabs
Page 30



B3155
Short Insulation Protection
Shield With Tabs
Page 31

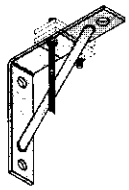


B3160 thru B3165
Pipe Covering Protection Saddle
Pages 32 & 33



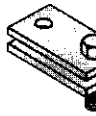
B3891 thru B3897
Pipe Slides
Page 57

BRACKETS

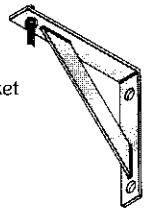


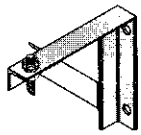
B3063
Light Welded Steel Bracket
Page 16

B3068
Light Duty Bracket
Page 16

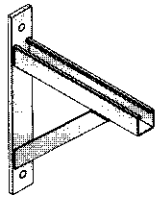


B3063CP
Clip
Page 16

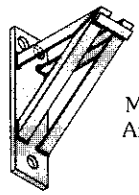




B3065
Angle Iron Bracket
Page 16



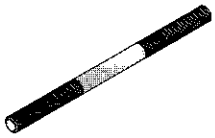
B3064
Adjustable Strut Bracket
Page 16



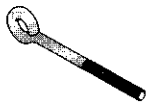
B3066
Medium Duty Angle Bracket
Page 16

B3067
Heavy Duty Angle Bracket
Page 16

THREADED ACCESSORIES

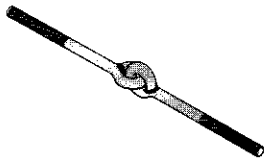


B3205
Machine Threaded Rod
Page 43



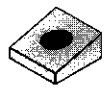
B3210
Eye Rod
Page 44

B3211
Welded Eye Rod
Page 45



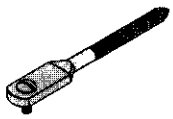
B3210X
Linked Eye Rod
Page 44

B3211X
Linked Welded Eye Rod
Page 45

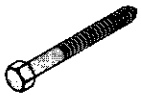


B3234
Bevel Washer
Page 47

B3248
Steel Washer Plate
Page 48

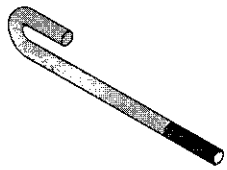


B3227
Flat End Lag Screw
Page 47

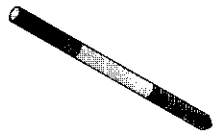


B3228
Hex Head Lag Bolt
Page 47

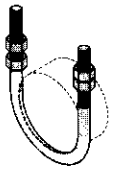
DS16 x 2
#16 x 2" Drive Screw
Page 58



B3212
J-Bolt
Page 46



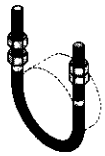
B3213
Coach Screw Rod
Page 46



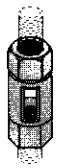
B3188
Standard U-Bolt
Page 38

B3188DI
U-Bolt for AWWA
Page 39

B3501
Light Duty U-Bolt
Page 55



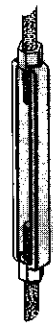
B3188C
Plastic Coated Standard U-Bolt
Page 38



B3220
Malleable Iron Rod Coupling
Page 46

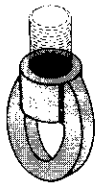
B3224
Hanger Adjuster
Page 47

B3224CT
Copper Coated Hanger Adjuster
Page 47

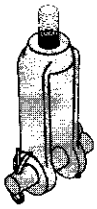


B3202
Turnbuckle
Page 42

B3203
Extension Piece
Page 42



B3222
Eye Socket
Page 47

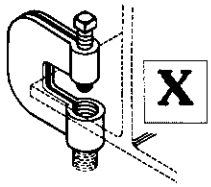


B3201
Forged Steel Clevis
Page 42

B3223
Offset Eye Socket
Page 47

B3200
Weldless Eye Nut
Page 41

Pricing Schedule Shown in Shaded Box



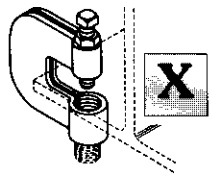
B351

STEEL C-CLAMP

Available in stainless steel.

For Retaining Straps see page 51.

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 78101 PLN	UPC No. 78101 ZNPLT
3/8	$ 3.40	$ 5.00	A	50	.40	53352	53353
1/2	4.00	5.30	A	50	.40	53362	53363
5/8	8.40	10.10	B	50	.58	53372	53373
3/4	10.00	11.80	B	50	.66	53382	53383
7/8	33.00	37.90	B	25	1.78	57232	57233



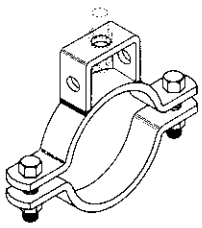
B351L

STEEL C-CLAMP WITH LOCKNUT

Available in stainless steel.

For Retaining Straps see page 51.

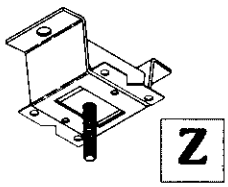
Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 78101 PLN	UPC No. 78101 ZNPLT
3/8	$ 5.90	$ 9.60	A	50	.40	57242	57243
1/2	7.40	10.90	A	50	.40	57252	57253
5/8	14.30	16.50	B	25	.58	57262	57263
3/4	19.60	22.70	B	50	.66	57272	57273
7/8	34.60	39.30	B	25	1.78	57282	57283



B386

SUSPENSION ROD PIPE CLAMP

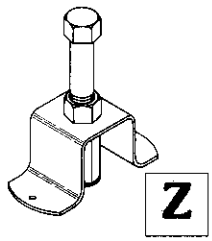
Pipe Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/4				Bulk	.46		
1				Bulk	.51		
1 1/4				Bulk	.52		
1 1/2	**See B-Line**			Bulk	.54		See
2	**Bolted Framing**			Bulk	1.34		B-Line
2 1/2	**Price Sheet**			Bulk	1.57		Bolted
3				Bulk	1.68		Framing
3 1/2				Bulk	1.97		Price
4				Bulk	2.70		Sheet
5				Bulk	3.08		
6				Bulk	6.09		
8				Bulk	7.13		



B2500

LIGHT DUTY STEEL INSERT

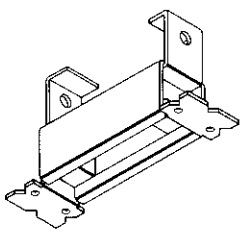
Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 ZNPLT
$ 4.10	A	50	.46	63813



B2501

LIGHT DUTY STEEL SPOT INSERT

Rod Size	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/4	$ 3.90	B	100	.16	63770
3/8	4.10	A	100	.22	63771
1/2	4.30	B	100	.26	63772



B2500 thru B2508

STEEL CHANNEL SPOT INSERT

(Use Standard Strut Nuts)

Pipe Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
B2505				Bulk	.96		See
B2506	**See B-Line**			Bulk	.88		Bolted
B2507	**Bolted Framing**			Bulk	.77		Framing
B2508	**Price Sheet**			Bulk	.69		Sheet

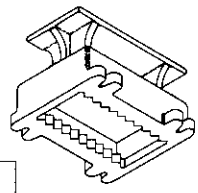
All items are priced at plain (black) prices unless otherwise specified.
Made to order items are not subject to cancellation or return. P.O.A. = Price on application.

Pricing Schedule Shown in Shaded Box

B3014

	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
Insert Only	$ 9.20	$ 13.90	B	Bulk	1.66	01001	01002

MALLEABLE IRON INSERT



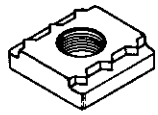
Z

B3014N

Nut Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
Nut Only 3/8	$ 3.00	$ 3.70	C	100	.23	01150	01151
Nut Only 1/2	3.00	3.70	B	100	.21	01155	01156
Nut Only 5/8	3.00	3.70	C	100	.20	01160	01161
Nut Only 3/4	3.00	3.70	B	100	.20	01165	01166
Nut Only 7/8	3.70	4.40	C	50	.30	01170	01171

MALLEABLE IRON INSERT NUT (For B3014)

Z

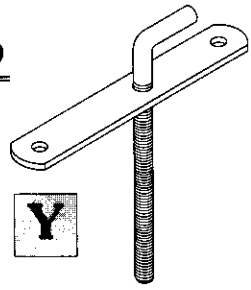


B3019

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 7.10	A	25	.80	01340
1/2	7.60	A	25	.99	01344
5/8	8.60	A	20	1.29	01348
3/4	17.70	B	25	2.38	01352
7/8	19.50	C	20	2.84	01356
1	25.80	D	Bulk	2.97	01360

CONCRETE DECK INSERT

Finished with Zinc Plated Anchor Bolt.



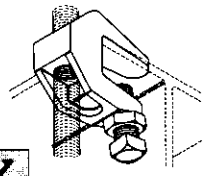
Y

B3031

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 2.50	$ 3.20	A	50	.23	07100	07101

LIGHT WEDGE C-CLAMP (MALLEABLE IRON)

For Retaining Straps see page 51.



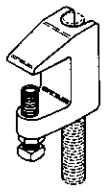
X

B3033

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 4.20	$ 5.90	A	50	.54	70499	70500
1/2	5.80	7.40	A	50	.51	70509	70510
5/8	12.00	12.80	B	25	.70	70519	70520
3/4	15.40	16.30	B	25	.98	70529	70530

WIDE JAW WEDGE C-CLAMP (MALLEABLE IRON)

For Retaining Straps see page 51.



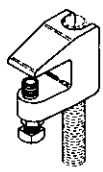
X

B3034

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 3.00	$ 3.80	A	50	.30	70539	70540
1/2	4.30	5.30	A	50	.37	70549	70550

WEDGE C-CLAMP (MALLEABLE IRON)

For Retaining Straps see page 51.



X

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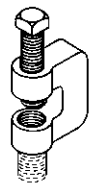
Pricing Schedule Shown in Shaded Box

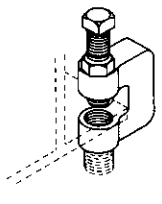


B3036

C-CLAMP (MALLEABLE IRON)

For Retaining Straps see page 51.

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 3.10	$ 5.10	A	50	.28	70559	70560
1/2	3.60	6.20	A	50	.27	70579	70580
5/8	5.30	8.30	B	50	.53	70599	70600
3/4	7.70	12.70	B	50	.67	70619	70620

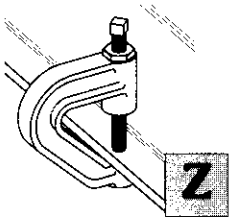


B3036L

C-CLAMP WITH LOCKNUT (MALLEABLE IRON)

For Retaining Straps see page 51.

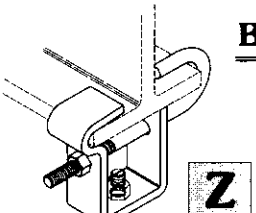
Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 3.90	$ 6.50	A	50	.29	70569	70570
1/2	5.10	8.10	A	50	.28	70589	70590
5/8	7.70	12.80	B	50	.55	70609	70610
3/4	10.50	17.10	B	50	.72	70629	70630



B3037

Z-PURLIN CLAMP (MALLEABLE IRON)

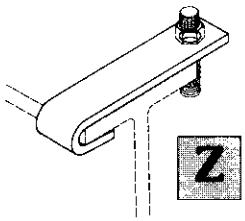
Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 13.50	$ 14.90	B	25	.90	03629	03627



B3040

ADJUSTABLE BEAM CLAMP

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 15.50	$ 20.50	B	Bulk	1.20	01800	01803
1/2	22.60	29.90	B	Bulk	1.67	01805	01808
5/8	27.90	37.20	B	Bulk	2.26	01810	01813
3/4	69.00	80.50	B	Bulk	4.59	01818	01819



B3042

TOP BEAM CLAMP

Specify flange thickness when ordering.

Rod Size x Flange Width	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8 x 4	$ 9.90	D	Bulk	.46	01850
1/2 x 4	12.20	D	Bulk	.62	01854
5/8 x 4	15.60	D	Bulk	1.05	01858
3/4 x 4	23.30	D	Bulk	1.59	01862
7/8 x 4	38.90	D	Bulk	2.77	01866
3/8 x 6	10.70	D	Bulk	.59	01870
1/2 x 6	13.70	D	Bulk	.80	01874
5/8 x 6	17.60	D	Bulk	1.34	01878
3/4 x 6	27.40	D	Bulk	2.01	01882
7/8 x 6	45.80	D	Bulk	3.51	01886
3/8 x 8	11.70	C	Bulk	.73	01890
1/2 x 8	15.10	D	Bulk	.97	01894
5/8 x 8	19.70	D	Bulk	1.62	01898
3/4 x 8	31.10	D	Bulk	2.42	01902
7/8 x 8	52.10	D	Bulk	4.22	01906
3/8 x 12	14.00	C	Bulk	.99	01910
1/2 x 12	17.70	D	Bulk	1.33	01914
5/8 x 12	23.70	D	Bulk	2.21	01918
3/4 x 12	38.00	D	Bulk	3.29	01922
7/8 x 12	65.60	D	Bulk	5.64	01926

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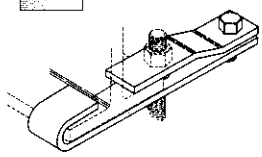
Pricing Schedule Shown in Shaded Box

B3045

TOP OR SIDE BEAM CLAMP

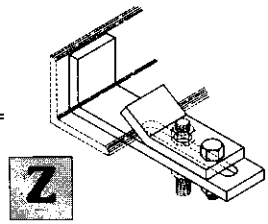
Specify flange thickness when ordering.



Rod Size x Flange Width	Flange Thickness Min.-Max.	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
3/8 x 4	3/16 to 1/2	**$ 13.20**	B	Bulk	1.01	02100
1/2 x 4	3/16 to 1/2	**17.80**	C	Bulk	1.41	02104
5/8 x 4	3/16 to 1/2	**29.40**	C	Bulk	2.67	02108
3/4 x 4	3/16 to 1/2	**46.70**	C	Bulk	3.53	02112
7/8 x 4	3/16 to 1/2	**103.50**	C	Bulk	6.17	02116
3/8 x 6	1/4 to 3/4	**14.20**	C	Bulk	1.19	02120
1/2 x 6	1/4 to 3/4	**19.70**	C	Bulk	1.64	02124
5/8 x 6	1/4 to 3/4	**30.30**	D	Bulk	3.09	02128
3/4 x 6	1/4 to 3/4	**49.70**	C	Bulk	4.10	02132
7/8 x 6	1/4 to 3/4	**111.60**	C	Bulk	7.16	02136
3/8 x 8	7/16 to 7/8	**16.80**	C	Bulk	1.34	02140
1/2 x 8	7/16 to 7/8	**22.70**	C	Bulk	1.82	02144
5/8 x 8	7/16 to 7/8	**34.30**	C	Bulk	3.44	02148
3/4 x 8	7/16 to 7/8	**60.80**	C	Bulk	4.57	02152
7/8 x 8	7/16 to 7/8	**123.60**	D	Bulk	8.03	02156
3/8 x 12	5/8 to 1 1/4	**19.50**	D	Bulk	1.67	02160
1/2 x 12	5/8 to 1 1/4	**26.70**	C	Bulk	2.29	02164
5/8 x 12	5/8 to 1 1/4	**40.30**	C	Bulk	4.24	02168
3/4 x 12	5/8 to 1 1/4	**71.50**	D	Bulk	5.66	02172
7/8 x 12	5/8 to 1 1/4	**142.50**	D	Bulk	9.60	02176

B3046

ANGLE CLAMP

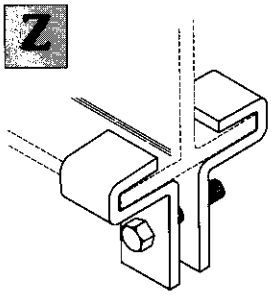


Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
$ 20.90	B	Bulk	1.85	02220

B3050

BEAM CLAMP

Other sizes available - consult factory.



Rod Size x Flange Width	Flange Thickness Min.-Max.	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
2 x 3	1/4 to 3/8	**$ 11.80**	C	Bulk	.95	02304
2 x 4	3/16 to 1/2	**11.80**	B	Bulk	1.12	02320
5 x 4	3/16 to 1/2	**36.30**	B	Bulk	3.77	02332
2 x 5	5/16 to 5/8	**12.50**	B	Bulk	1.22	02348
5 x 5	5/16 to 5/8	**39.30**	C	Bulk	4.12	02360
7 x 5	5/16 to 5/8	**165.10**	C	Bulk	14.64	02368
2 x 6	1/4 to 3/4	**14.90**	B	Bulk	1.34	02376
5 x 6	1/4 to 3/4	**40.60**	B	Bulk	4.44	02388
7 x 6	1/4 to 3/4	**175.40**	D	Bulk	15.53	02396
2 x 7	7/16 to 7/8	**15.70**	C	Bulk	1.49	02404
5 x 7	7/16 to 7/8	**46.30**	B	Bulk	4.90	02416
7 x 7	7/16 to 7/8	**178.60**	D	Bulk	17.21	02424
2 x 8	7/16 to 7/8	**16.80**	C	Bulk	1.55	02432
5 x 8	7/16 to 7/8	**47.70**	B	Bulk	5.40	02444
7 x 8	7/16 to 7/8	**185.70**	C	Bulk	17.30	02452
2 x 9	9/16 to 1	**18.20**	C	Bulk	1.68	02460
5 x 9	9/16 to 1	**50.10**	D	Bulk	5.75	02472
7 x 9	9/16 to 1	**193.00**	D	Bulk	18.81	02480
2 x 10	5/8 to 1	**20.50**	C	Bulk	1.78	02488
5 x 10	5/8 to 1	**51.30**	B	Bulk	5.88	02500
7 x 10	5/8 to 1	**199.10**	D	Bulk	19.52	02508

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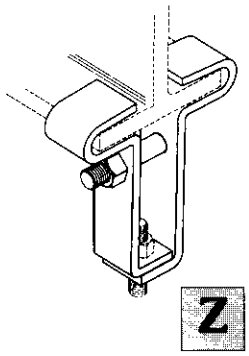
B3055

STEEL BEAM CLAMP



Specify flange thickness when ordering.

Rod Size x Flange Width	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8 x 3	$ 17.90	D	Bulk	1.53	02610
1/2 x 3	28.20	C	Bulk	1.87	02614
3/8 x 4	19.60	C	Bulk	1.68	02618
1/2 x 4	32.20	C	Bulk	2.00	02622
5/8 x 4	58.30	C	Bulk	3.30	02626
3/4 x 4	67.20	C	Bulk	4.35	02630
7/8 x 4	145.00	C	Bulk	6.30	02634
1 x 4	193.00	C	Bulk	7.45	02638
1 1/8 x 4	218.80	C	Bulk	13.00	02642
1 1/4 x 4	243.60	D	Bulk	16.40	02646
3/8 x 5	21.50	D	Bulk	1.82	02650
1/2 x 5	36.30	C	Bulk	2.10	02654
5/8 x 5	58.80	C	Bulk	3.48	02658
3/4 x 5	71.90	C	Bulk	4.50	02662
7/8 x 5	152.70	C	Bulk	6.90	02666
1 x 5	202.40	D	Bulk	8.60	02670
1 1/8 x 5	230.10	C	Bulk	14.00	02674
1 1/4 x 5	255.00	C	Bulk	18.00	02678
3/8 x 6	23.40	D	Bulk	1.85	02682
1/2 x 6	40.10	D	Bulk	2.25	02686
5/8 x 6	62.70	D	Bulk	3.65	02690
3/4 x 6	76.60	D	Bulk	4.78	02694
7/8 x 6	158.90	D	Bulk	7.20	02698
1 x 6	211.50	D	Bulk	8.70	02702
1 1/8 x 6	240.40	D	Bulk	14.40	02706
1 1/4 x 6	267.30	D	Bulk	19.10	02710
3/8 x 7	24.70	D	Bulk	1.95	02714
1/2 x 7	44.00	D	Bulk	2.40	02718
5/8 x 7	67.10	D	Bulk	3.90	02722
3/4 x 7	81.90	D	Bulk	5.00	02726
7/8 x 7	166.20	D	Bulk	7.50	02730
1 x 7	220.80	D	Bulk	9.05	02734
1 1/8 x 7	255.00	D	Bulk	15.10	02738
1 1/4 x 7	282.70	D	Bulk	19.90	02742
3/8 x 8	26.70	D	Bulk	2.15	02746
1/2 x 8	48.20	D	Bulk	2.55	02750
5/8 x 8	71.10	D	Bulk	4.00	02754
3/4 x 8	87.10	D	Bulk	5.20	02758
7/8 x 8	173.30	C	Bulk	7.90	02762
1 x 8	234.20	D	Bulk	9.65	02766
1 1/8 x 8	266.20	D	Bulk	15.95	02777
1 1/4 x 8	295.20	D	Bulk	20.95	02774
3/4 x 9	90.50	D	Bulk	5.45	02778
7/8 x 9	180.70	D	Bulk	8.30	02782
1 x 9	244.50	D	Bulk	9.95	02786
1 1/8 x 9	277.60	D	Bulk	16.60	02790
1 1/4 x 9	307.60	D	Bulk	21.80	02794
3/4 x 10	93.30	D	Bulk	5.71	02765
7/8 x 10	188.90	D	Bulk	8.55	02802
1 x 10	255.90	D	Bulk	10.40	02806
1 1/8 x 10	287.90	D	Bulk	16.90	02810
1 1/4 x 10	320.00	D	Bulk	22.40	02814
3/4 x 12	100.40	D	Bulk	6.20	02818
7/8 x 12	212.60	D	Bulk	9.10	02822
1 x 12	284.90	D	Bulk	11.20	02826
1 1/8 x 12	322.90	D	Bulk	18.20	02830
1 1/4 x 12	359.10	D	Bulk	23.90	02834

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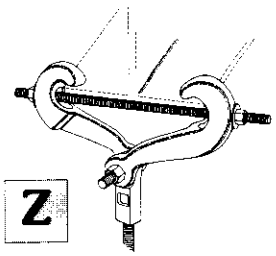
Pricing Schedule Shown in Shaded Box

B3054

BEAM CLAMP (MALLEABLE IRON)

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	**$ 32.20**	A	Bulk	2.39	02575
1/2	**34.90**	A	Bulk	2.57	02579
5/8	**37.30**	A	Bulk	2.63	02583
3/4	**42.00**	A	Bulk	2.81	02587
7/8	**46.90**	A	Bulk	2.95	02591
Body Only	**27.40**	A	Bulk	2.20	02595

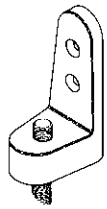


Z

B3058

SIDE BEAM CONNECTOR (MALLEABLE IRON)

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	**$ 2.50**	A	100	.14	03000
1/2	**5.90**	A	Bulk	.25	03001

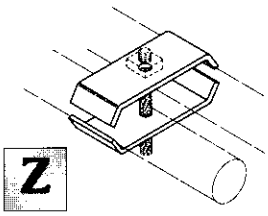


Z

B3059

BAR JOIST WASHER

Rod Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/4	**$ .90**	B	100	.10	03010
3/8	**.90**	B	100	.10	03013
1/2	**1.20**	B	100	.10	03016



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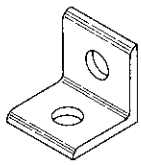
B3060

ANGLE CLIP

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	**$ 2.80**	**$ 4.10**	A	50	.51	03025	03026
1/2	**3.20**	**4.30**	A	50	.50	03030	03031
5/8	**3.20**	**4.30**	B	50	.48	03035	03036
3/4	**9.50**	**15.60**	B	Bulk	1.69	03040	03041
7/8	**17.20**	**28.20**	B	Bulk	3.12	03045	03046
1	**22.60**	**37.20**	B	Bulk	4.02	03050	03051

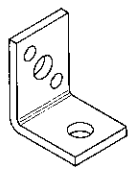


Y

B3060L-3/8

ANGLE CLIP

Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
$ 2.10	**$ 2.60**	B	50	.17	02767	02768

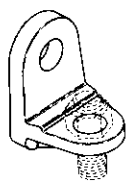


Y

B3062

SIDE BEAM BRACKET (MALLEABLE IRON)

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	**$ 3.70**	B	50	.21	03120
1/2	**4.70**	B	25	.44	03125
5/8	**9.20**	C	25	.81	03130
3/4	**20.10**	C	10	1.46	03135
7/8	**28.10**	C	10	2.52	03140



Z

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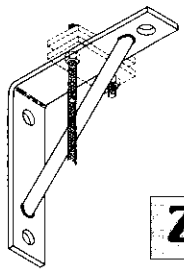
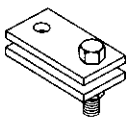
Pricing Schedule Shown in Shaded Box



Z

B3063

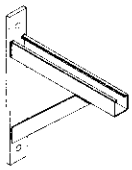
	Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
LIGHT WELDED STEEL BRACKET	1	**$ 113.50**	C	Bulk	4.11	03160
	2	**115.60**	C	Bulk	6.23	03165
	3	**123.90**	C	Bulk	9.38	03170



Z

B3063CP

	Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
ANGLE BRACKET	3/8	**$ 10.00**	D	Bulk	1.56	03185
	1/2	**11.30**	C	Bulk	1.94	03190



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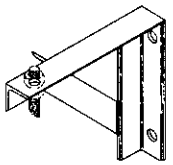
B3064

	Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
ADJUSTABLE STRUT BRACKET	1	**$ 126.90**	**$ 135.20**	B	Bulk	6.60	03200	03201
	2	**176.50**	**216.80**	B	Bulk	10.04	03205	03206
	3	**261.10**	**281.80**	B	Bulk	13.46	03210	03211



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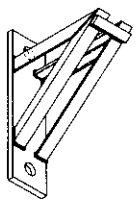
B3065

	Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
ANGLE IRON BRACKET	1	**$ 78.90**	D	Bulk	7.93	03225
	2	**105.20**	C	Bulk	9.74	03230
	3	**191.00**	D	Bulk	14.80	03235
	4	**233.20**	C	Bulk	24.43	03240



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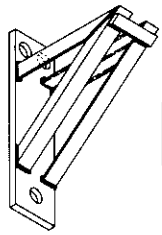
B3066

	Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
MEDIUM DUTY ANGLE BRACKET	0	**$ 296.20**	C	Bulk	15.29	03255
	1	**351.90**	B	Bulk	25.92	03260
	2	**465.40**	C	Bulk	44.96	03265



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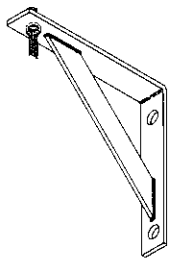
B3067

	Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
HEAVY DUTY ANGLE BRACKET	0	**$ 413.90**	C	Bulk	21.82	03280
	1	**579.00**	C	Bulk	47.82	03285
	2	**683.20**	C	Bulk	67.74	03290
	3	**780.20**	C	Bulk	84.80	03295
	4	**1191.00**	D	Bulk	131.30	03300
	5	**1326.30**	D	Bulk	155.40	03305



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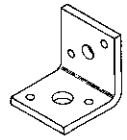
B3068

	Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
LIGHT WELDED BRACKET	1	**$ 32.50**	B	Bulk	2.84	03320
	2	**61.90**	B	Bulk	4.29	03325
	3	**128.10**	C	Bulk	12.79	03330



Y

B3070

	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
REVERSIBLE STEEL SIDE BEAM CLAMP	**$ 3.00**	**$ 4.10**	A	50	.46	03370	03371

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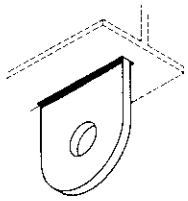
Pricing Schedule Shown in Shaded Box

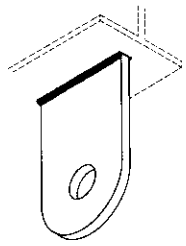
B3080S (Short) B3080L (Long)

STRUCTURAL WELDING LUG



Short

Z

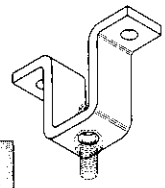


Long

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	$ 6.20	C	Bulk	.64	03750
5/8	6.20	C	Bulk	1.37	03755
3/4	7.20	C	Bulk	1.76	03760
7/8	8.50	C	Bulk	2.88	03766
1	18.50	C	Bulk	3.93	03770
1 1/8	20.10	D	Bulk	1.66	03620
1 1/4	32.90	C	Bulk	3.10	03624
1 1/2	66.00	D	Bulk	5.03	03628
1 3/4	66.00	D	Bulk	4.87	03632
2	110.40	D	Bulk	7.44	03636
1/2	7.70	C	Bulk	.69	03650
5/8	7.70	D	Bulk	.68	03654
3/4	9.50	D	Bulk	1.01	03658
7/8	10.00	C	Bulk	.98	03662
1	20.70	D	Bulk	1.65	03666
1 1/8	22.60	D	Bulk	2.04	03670
1 1/4	37.20	D	Bulk	3.81	03674
1 1/2	73.20	C	Bulk	6.62	03678
1 3/4	73.20	D	Bulk	6.46	03682
2	117.60	D	Bulk	8.08	03686

B3082

ROD BEAM ATTACHMENT



Z

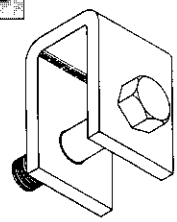
Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 8.80	C	Bulk	.64	03750
1/2	14.70	B	Bulk	1.37	03755
5/8	15.90	B	Bulk	1.76	03760
3/4	20.60	B	Bulk	2.88	03766
7/8	28.50	B	Bulk	3.93	03770

B3083W/O B3083

STRUCTURAL WELDING LUG

B3083
(With Hardware)

Z



B3083W/O
(Without Hardware)

Stocked in ZNPLT and HDGAF.

When practical either a bolt and nut or pin and cotter will be supplied. (See Catalog)

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 19.40	B	Bulk	1.10	03870
1/2	20.50	B	Bulk	1.23	03875
5/8	21.90	B	Bulk	1.40	03880
3/4	30.40	B	Bulk	2.68	03885
7/8	38.20	B	Bulk	3.76	03890
1	57.80	B	Bulk	5.96	03895
1 1/8	94.90	C	Bulk	6.80	03900
1 1/4	121.70	B	Bulk	9.56	03905
1 1/2	234.20	C	Bulk	18.17	03910
1 3/4	303.40	C	Bulk	23.11	03915
2	592.40	C	Bulk	29.97	03920
3/8	15.90	B	30	.89	03800
1/2	15.90	B	30	.87	03805
5/8	16.80	B	25	.84	03810
3/4	18.20	B	10	1.73	03815
7/8	26.50	B	10	2.35	03820
1	38.00	B	10	3.95	03825
1 1/8	70.20	C	Bulk	4.03	03830
1 1/4	75.20	B	Bulk	7.34	03835
1 1/2	130.10	C	Bulk	14.61	03840
1 3/4	158.90	C	Bulk	17.47	03845
2	182.80	D	Bulk	21.90	03850

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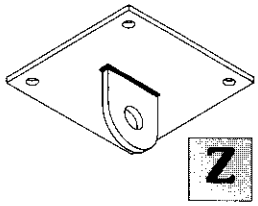
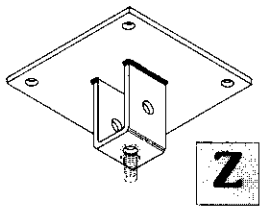
Pricing Schedule Shown in Shaded Box



B3084

SINGLE LUG CONCRETE PLATE

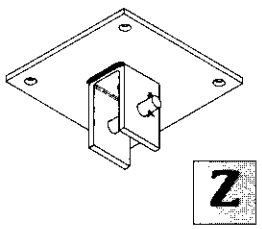
Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	$ 290.50	C	Bulk	10.96	03950
5/8	302.80	D	Bulk	14.47	03955
3/4	306.10	C	Bulk	14.59	03960
7/8	397.10	C	Bulk	21.66	03965
1	409.20	C	Bulk	31.45	03970
1 1/8	420.40	D	Bulk	31.70	03975
1 1/4	667.80	D	Bulk	43.12	03980
1 1/2	688.90	D	Bulk	44.70	03985



B3085

ROD ATTACHMENT CONCRETE PLATE

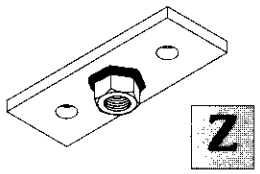
Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 289.50	D	Bulk	11.45	04000
1/2	289.50	D	Bulk	11.43	04005
5/8	309.50	C	Bulk	14.90	04010
3/4	313.90	C	Bulk	15.74	04015
7/8	411.40	D	Bulk	16.35	04020
1	411.40	C	Bulk	34.20	04025
1 1/8	535.80	D	Bulk	34.13	04030
1 1/4	672.30	D	Bulk	37.47	04035
1 1/2	703.20	D	Bulk	54.38	04040



B3086

CLEVIS CONCRETE PLATE

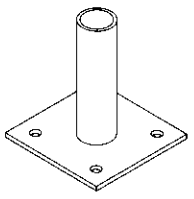
Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 310.50	D	Bulk	11.65	04060
1/2	326.10	C	Bulk	11.78	04065
5/8	346.00	C	Bulk	15.46	04070
3/4	350.40	D	Bulk	16.73	04075
7/8	445.90	D	Bulk	17.83	04080
1	460.40	D	Bulk	36.36	04085
1 1/8	599.00	D	Bulk	37.08	04090
1 1/4	777.60	D	Bulk	39.86	04095
1 1/2	880.70	D	Bulk	58.16	04100



B3087

CLEVIS CONCRETE PLATE

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
5/8	$ 15.20	C	Bulk	1.25	02769
3/4	15.60	D	Bulk	1.35	02771
7/8	23.70	C	Bulk	3.60	02772
1	24.80	C	Bulk	3.80	02773

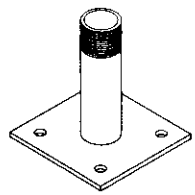


B3088 BASE STAND
B3088T THREADED BASE STAND

P.O.A.

Specify Pipe Stand Diameter and Height

SEE CATALOG



B3089 PIPE SUPPORT ADJUSTER

P.O.A.

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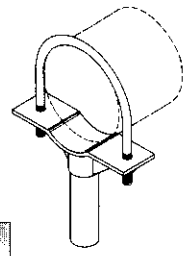
Pricing Schedule Shown in Shaded Box

B3090

PIPE SADDLE WITH YOKE



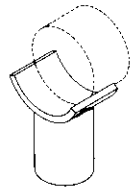
Note: Sizes 4" thru 12" fits both steel and ductile iron pipe. For other D.I. sizes - specify B3090DI - size.

Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 1/2	**$ 70.60**	C	Bulk	2.51	04367
3	**78.40**	B	Bulk	3.15	04371
4	**130.10**	B	Bulk	5.86	04375
5	**135.20**	C	Bulk	6.21	04379
6	**140.30**	B	Bulk	8.49	04383
8	**179.50**	B	Bulk	11.16	04387
10	**243.60**	B	Bulk	14.23	04391
12	**298.30**	B	Bulk	18.46	04395
14	**404.50**	C	Bulk	25.93	04399
16	**414.90**	B	Bulk	28.25	04403
18	**459.30**	C	Bulk	48.43	04407
20	**735.80**	C	Bulk	52.25	04411
24	**1104.20**	C	Bulk	69.70	04415
30	**1393.30**	D	Bulk	85.87	04419
36	**1813.40**	D	Bulk	95.78	73686

B3091

PIPE SADDLE SUPPORT

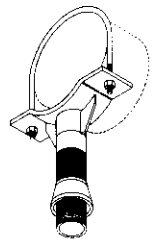


Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1 1/2	**$ 84.20**	C	Bulk	.85	04430
2	**93.80**	C	Bulk	1.12	04434
2 1/2	**104.20**	D	Bulk	1.62	04438
3	**107.30**	C	Bulk	1.79	04442
3 1/2	**118.60**	C	Bulk	1.94	04446
4	**120.70**	C	Bulk	2.73	04450
5	**134.10**	D	Bulk	3.09	04454
6	**147.60**	D	Bulk	5.86	04458
8	**160.90**	D	Bulk	6.88	04462
10	**169.20**	C	Bulk	10.11	04466
12	**177.50**	C	Bulk	11.28	04470

B3092

ADJUSTABLE PIPE SADDLE SUPPORT WITH YOKE



Note: Sizes 4" thru 12" fits both steel and ductile iron pipe. For other D.I. sizes - specify B3092DI - size.

Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 1/2	**$ 237.40**	D	Bulk	6.51	04480
3	**244.50**	B	Bulk	7.15	04484
4	**365.20**	B	Bulk	12.86	04488
5	**376.70**	D	Bulk	13.21	04492
6	**383.90**	B	Bulk	15.49	04496
8	**414.90**	B	Bulk	18.16	04500
10	**452.10**	B	Bulk	21.23	04504
12	**490.10**	B	Bulk	25.46	04508
14	**689.40**	D	Bulk	35.93	04512
16	**725.50**	C	Bulk	38.25	04516
18	**1057.80**	C	Bulk	70.43	04520
20	**1341.60**	C	Bulk	74.25	04524
24	**1718.40**	D	Bulk	91.70	04528
30	**2013.60**	D	Bulk	107.87	04532

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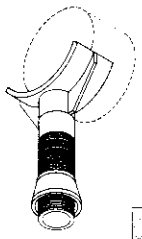
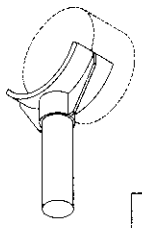


B3093

ADJUSTABLE PIPE SADDLE SUPPORT

Note: Sizes 4" thru 12" fits both steel and ductile iron pipe. For other D.I. sizes - specify B3093DI - size.

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 1/2	$ 225.00	B	Bulk	5.67	04540
3	228.10	B	Bulk	5.76	04544
4	297.20	B	Bulk	10.65	04548
5	301.40	C	Bulk	10.81	04552
6	306.50	B	Bulk	12.34	04556
8	325.00	B	Bulk	14.96	04560
10	359.10	B	Bulk	16.14	04564
12	372.60	B	Bulk	17.68	04568
14	449.90	C	Bulk	26.55	04572
16	508.80	C	Bulk	28.18	04576
18	686.30	C	Bulk	49.98	04580
20	929.90	C	Bulk	52.18	04584
24	1188.90	C	Bulk	63.47	04588
30	1488.20	D	Bulk	98.24	04592
36	1887.70	D	Bulk	110.77	04596

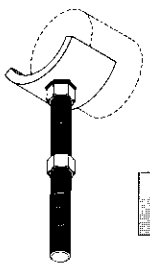


B3095

ADJUSTABLE PIPE SADDLE SUPPORT

Note: Sizes 4" thru 12" fits both steel and ductile iron pipe. For other D.I. sizes - specify B3095DI - size.

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1 1/2	$ 34.00	D	Bulk	.88	04660
2	34.00	C	Bulk	.94	04664
2 1/2	36.20	B	Bulk	1.67	04668
3	36.20	B	Bulk	1.76	04672
3 1/2	38.20	C	Bulk	1.88	04676
4	39.20	B	Bulk	3.65	04680
5	43.40	C	Bulk	3.81	04684
6	57.80	B	Bulk	5.34	04688
8	69.00	B	Bulk	7.96	04692
10	91.80	B	Bulk	9.14	04696
12	107.30	B	Bulk	10.68	04700
14	231.20	C	Bulk	16.54	04704
16	295.20	C	Bulk	18.18	04708
18	357.10	C	Bulk	27.98	04712
20	623.40	C	Bulk	30.18	04716
24	878.30	C	Bulk	41.47	04720
30	1202.40	C	Bulk	76.24	04724
36	1625.60	D	Bulk	88.77	04728



B3096

ADJUSTABLE PIPE SADDLE SUPPORT

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	$ 89.80	C	Bulk	2.17	04740
3	98.00	C	Bulk	2.63	04744
4	112.50	B	Bulk	4.03	04748
5	120.70	C	Bulk	4.37	04752
6	137.20	C	Bulk	7.66	04756
8	152.70	B	Bulk	8.72	04760
10	168.30	C	Bulk	12.72	04764
12	187.80	C	Bulk	13.93	04768

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Pricing Schedule Shown in Shaded Box

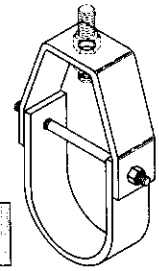
B3100

STANDARD CLEVIS HANGER

Stocked in HDGAF

For Stainless Steel see B3105.
For Plastic Coated see B3100C.
For AWWA size see B3102.
For Felt-Lined see B3100F.

Hanger Size	Price Ea. PLN	ZNPLT	RP	GRN	Stock Class	Std. Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	ZNPLT	RP	GRN
1/2	$ 1.90	$ 2.80	$ 2.50	$ 2.10	A	50	.28	05000	05001	04999	04998
3/4	2.00	3.00	2.60	2.70	A	50	.32	05006	05007	05008	05009
1	2.10	3.40	2.70	3.00	A	50	.35	05012	05013	05014	05015
1 1/4	2.30	3.60	3.10	3.20	A	50	.41	05018	05019	05021	05022
1 1/2	2.50	4.10	3.60	3.70	A	25	.46	05024	05025	05027	05028
2	3.00	4.80	4.20	4.30	A	25	.52	05030	05031	05033	05034
2 1/2	4.60	8.70	7.00	7.80	A	25	.83	05036	05037	05039	05040
3	5.60	10.50	8.40	9.40	A	20	.90	05042	05043	05045	05047
3 1/2	6.00	11.20	9.20	10.10	A	20	1.38	05048	05049	05051	05052
4	7.00	13.30	10.60	12.00	A	15	1.22	05054	05055	05057	74363
5	9.50	17.10	13.80	15.40	A	10	1.70	05060	05061	05063	74381
6	11.10	21.90	17.30	19.70	A	Bulk	2.79	05066	05067	05068	74392
8	18.20	33.00	26.90	29.70	A	Bulk	4.65	05072	05073	05074	74412
10	32.90	59.50	48.50	53.50	A	Bulk	8.30	05078	05079	05080	74206
12	38.50	73.20	58.40	65.90	A	Bulk	10.68	05084	05085	05086	74232
14	63.00	107.30	89.90	96.50	B	Bulk	14.12	05090	05091	05088	74270
16	89.80	148.50	126.80	133.60	B	Bulk	20.18	05096	05097	05098	74282
18	106.70	187.80	155.00	169.00	B	Bulk	24.88	05102	05103	05104	74291
20	228.90	365.30	313.30	328.70	B	Bulk	42.55	05108	05109	05110	74304
24	401.20	560.30	510.40	504.20	B	Bulk	51.66	05114	05115	05116	74317
30	518.00	745.10	672.00	670.60	B	Bulk	67.19	05120	05121	05122	74350



X

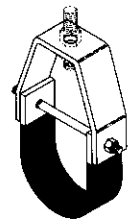
All Red Primer (RP) Stock Class B

B3100C

CLEVIS HANGER PLASTIC COATED

Plastic coating on lower band of hanger.

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	$ 8.70	D	100	.25	05400
3/4	8.70	C	Bulk	.29	05405
1	8.80	B	Bulk	.35	05410
1 1/4	9.40	C	Bulk	.40	05415
1 1/2	10.00	C	Bulk	.42	05420
2	10.40	B	Bulk	.52	05425
2 1/2	14.70	C	Bulk	1.20	05430
3	15.40	C	Bulk	1.33	05435
3 1/2	17.20	D	Bulk	1.42	05455
4	18.00	B	Bulk	1.73	05440
5	39.50	D	Bulk	2.45	05445
6	64.40	C	Bulk	3.20	05450
8	73.70	C	Bulk	4.85	05555



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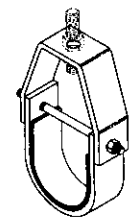
B3100F

STANDARD CLEVIS HANGER FELT LINED

Pipe Size	Price Ea. PLN	ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	ZNPLT
1/2	$ 4.30	$ 5.20	C	Bulk	.25	05200	05201
3/4	4.30	5.30	C	Bulk	.29	05203	05204
1	4.50	5.50	C	Bulk	.35	05206	05207
1 1/4	4.80	5.90	C	Bulk	.40	05209	05210
1 1/2	5.10	6.40	C	Bulk	.42	05212	05213
2	5.70	7.30	B	Bulk	.52	05215	05216
2 1/2	8.50	12.10	C	Bulk	1.20	05218	05219
3	9.50	14.10	C	Bulk	1.33	05221	05223
3 1/2	10.20	14.70	D	Bulk	1.42	05224	05225
4	11.50	17.10	C	Bulk	1.73	05227	05228
5	15.30	22.10	D	Bulk	2.45	05230	05231
6	17.40	27.20	C	Bulk	3.20	05233	05234
8	26.10	40.00	C	Bulk	4.85	05236	05237



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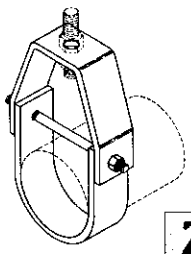
Pricing Schedule Shown in Shaded Box

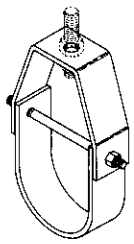


B3102

Z

Note: Pipe sizes 12" and larger, crossbolt sleeve is included.

	Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
CLEVIS HANGER FOR AWWA DUCTILE IRON PIPE	4	**$ 23.70**	B	Bulk	2.03	05350
	6	**36.20**	B	Bulk	3.52	05355
	8	**49.50**	C	Bulk	5.32	05360
	10	**107.30**	C	Bulk	8.00	05365
	12	**181.60**	B	Bulk	12.78	05370
	14	**261.30**	C	Bulk	15.95	05375
	16	**313.60**	C	Bulk	23.47	05380
	18	**333.50**	D	Bulk	25.70	05385
	20	**457.90**	C	Bulk	41.93	05390
	24	**746.70**	D	Bulk	52.08	05395



B3104

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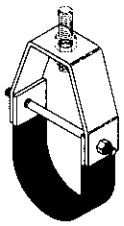
For Plastic Coated see B3104C.

	Hanger Size	Price Ea. PLN	Price Ea. ZNPLT	Price Ea. GRN	Stock Class	Std. Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT	UPC No. 781011 GRN
LIGHT DUTY CLEVIS HANGER	1/2	**$ 1.80**	**$ 2.30**	**$ 2.00**	A	50	.13	05505	05506	05499
	3/4	**1.90**	**2.60**	**2.20**	A	50	.22	05510	05511	05509
	1	**2.00**	**2.80**	**2.50**	A	50	.24	05515	05516	05514
	1 1/4	**2.00**	**3.00**	**2.70**	A	50	.29	05520	05521	05519
	1 1/2	**2.10**	**3.20**	**2.90**	A	25	.30	05525	05526	05524
	2	**2.30**	**3.50**	**3.10**	A	25	.35	05530	05531	05529
	2 1/2	**3.80**	**6.30**	**5.60**	A	25	.82	05535	05536	05534
	3	**4.20**	**7.00**	**6.30**	A	20	.91	05540	05541	05539
	3 1/2	**4.60**	**7.50**	**6.70**	A	20	.98	05545	05546	05544
	4	**5.50**	**9.80**	**8.80**	A	15	1.32	05550	05551	05549

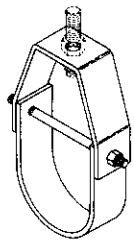


B3104C

Z

Plastic coating on lower band of hanger.

	Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
LIGHT DUTY CLEVIS HANGER PLASTIC COATED	1/2	**$ 7.10**	C	100	.13	05570
	3/4	**7.20**	C	Bulk	.22	05575
	1	**7.70**	C	Bulk	.24	05580
	1 1/4	**7.80**	D	Bulk	.29	05585
	1 1/2	**8.10**	C	Bulk	.30	05590
	2	**9.00**	B	Bulk	.35	05595
	2 1/2	**11.60**	C	Bulk	.82	05600
	3	**12.50**	C	Bulk	.91	05605
	3 1/2	**14.00**	C	Bulk	.98	05610
	4	**15.60**	C	Bulk	1.32	05615



B3104CT

Y

Dura-Copper®

	Tubing Size	Price Ea. Dura Copper	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
COPPER TUBING CLEVIS HANGER	1/2	**$ 2.80**	A	50	.12	05620
	3/4	**3.10**	A	50	.13	05623
	1	**3.40**	A	50	.22	05626
	1 1/4	**3.70**	A	50	.24	05629
	1 1/2	**3.90**	A	50	.30	05632
	2	**4.90**	A	25	.34	05635
	2 1/2	**8.10**	A	25	.80	05638
	3	**9.80**	A	20	.88	05641
	3 1/2	**10.40**	A	20	.94	05644
	4	**10.90**	A	20	1.16	05647

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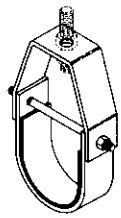
Pricing Schedule Shown in Shaded Box

B3104F

LIGHT DUTY CLEVIS HANGER FELT LINED

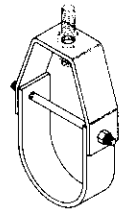


Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 4.10**	D	Bulk	.13	05660
3/4	**4.10**	D	Bulk	.22	05664
1	**4.30**	D	Bulk	.24	05668
1 1/4	**4.30**	D	Bulk	.29	05672
1 1/2	**4.40**	D	Bulk	.30	05676
2	**4.50**	D	Bulk	.35	05680
2 1/2	**7.30**	D	Bulk	.82	05684
3	**7.70**	D	Bulk	.91	05688
3 1/2	**8.00**	D	Bulk	.98	05692
4	**9.40**	D	Bulk	1.32	05696

B3105

STAINLESS STEEL (TYPE 304) CLEVIS HANGER

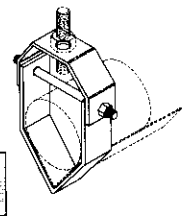
(Type 316 available)



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**P.O.A.**	A	Bulk	.28	05710
3/4	**P.O.A.**	A	Bulk	.32	05711
1	**P.O.A.**	A	Bulk	.36	05712
1 1/4	**P.O.A.**	A	Bulk	.40	05713
1 1/2	**P.O.A.**	A	Bulk	.45	05714
2	**P.O.A.**	A	Bulk	.53	05715
2 1/2	**P.O.A.**	A	Bulk	1.22	05716
3	**P.O.A.**	A	Bulk	1.33	05717
4	**P.O.A.**	A	Bulk	1.56	05718
5	**P.O.A.**	A	Bulk	2.42	05719
6	**P.O.A.**	A	Bulk	3.32	05720
8	**P.O.A.**	A	Bulk	5.05	05721
10	**P.O.A.**	A	Bulk	8.98	05722
12	**P.O.A.**	A	Bulk	11.02	05723

B3106

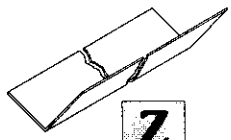
VEE BOTTOM CLEVIS HANGER



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1 1/2	**$ 9.10**	A	25	.51	05730
2	**9.10**	A	25	.60	05734
3	**14.90**	B	20	1.04	05738
4	**14.90**	B	15	1.44	05742

B3106V

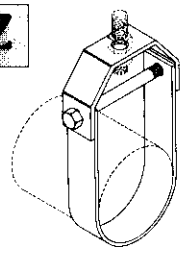
VEE CHANNEL SUPPORT FOR PLASTIC PIPE



Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1 x 8'	**$ 69.00**	B	Bulk	3.77	05750
2 x 8'	**69.00**	C	Bulk	4.49	05753
3 x 10'	**120.50**	C	Bulk	8.54	05756
4 x 10'	**120.50**	C	Bulk	11.23	05759

B3108

EXTENDED CLEVIS HANGER



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/4	**$ 11.30**	C	Bulk	.45	05825
1	**11.40**	C	Bulk	.49	05830
1 1/4	**11.40**	C	Bulk	.55	05835
1 1/2	**12.80**	C	Bulk	.67	05840
2	**15.30**	B	Bulk	.83	05845
2 1/2	**17.70**	C	Bulk	1.77	05850
3	**19.30**	B	Bulk	1.91	05855
4	**25.60**	B	Bulk	2.37	05860
5	**32.30**	C	Bulk	3.02	05865
6	**41.90**	B	Bulk	3.97	05870
8	**69.00**	B	Bulk	5.82	05875
10	**102.10**	C	Bulk	9.68	05880
12	**114.50**	C	Bulk	12.51	05885

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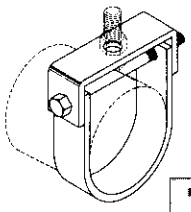

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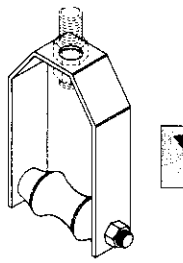
B3109

FLAT TOP CLEVIS HANGER

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	**$ 11.60**	C	Bulk	.52	05900
2 1/2	**12.70**	C	Bulk	1.16	05905
3	**13.90**	C	Bulk	1.33	05910
3 1/2	**14.90**	C	Bulk	1.45	05915
4	**17.70**	B	Bulk	1.80	05920
5	**21.50**	D	Bulk	2.49	05925
6	**24.30**	C	Bulk	3.32	05930
8	**35.40**	D	Bulk	5.13	05935



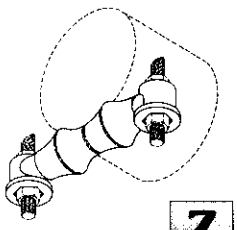
Y

B3110

ADJUSTABLE YOKE PIPE ROLL

(Cast Iron Roll - Steel Yoke)

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	**$ 19.60**	B	Bulk	1.23	05945
2 1/2	**20.10**	B	Bulk	1.61	05950
3	**22.40**	B	Bulk	2.07	05955
3 1/2	**29.80**	B	Bulk	2.45	05960
4	**29.80**	A	Bulk	3.33	05965
5	**34.70**	A	Bulk	6.21	05970
6	**43.20**	A	Bulk	8.70	05975
8	**64.50**	A	Bulk	13.68	05980
10	**76.90**	A	Bulk	16.92	05985
12	**113.10**	A	Bulk	27.60	05990
14	**307.70**	B	Bulk	34.11	05995
16	**394.80**	B	Bulk	38.69	06000
18	**434.40**	B	Bulk	49.32	06005
20	**668.60**	B	Bulk	66.87	06010



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B3114

PIPE ROLL WITH SOCKETS

(Cast Iron)

36" available upon request.

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	**$ 23.20**	B	Bulk	1.19	06250
2 1/2	**24.70**	C	Bulk	1.41	06254
3	**26.30**	C	Bulk	1.58	06258
3 1/2	**30.40**	C	Bulk	1.70	06262
4	**33.50**	B	Bulk	1.88	06266
5	**37.00**	B	Bulk	2.46	06270
6	**48.20**	B	Bulk	5.04	06274
8	**74.70**	B	Bulk	6.58	06278
10	**88.30**	B	Bulk	8.49	06282
12	**127.80**	B	Bulk	12.00	06286
14	**211.40**	B	Bulk	22.89	06290
16	**287.40**	B	Bulk	24.97	06294
18	**308.90**	B	Bulk	28.99	06298
20	**423.10**	B	Bulk	36.37	06302
24	**668.60**	B	Bulk	56.64	06306
30	**1320.40**	C	Bulk	94.37	06310

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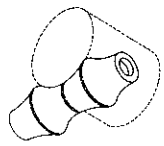
Pricing Schedule Shown in Shaded Box

B3114R

PIPE ROLLER ONLY

(Cast Iron)



Z

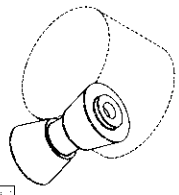
36" available upon request.

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	**$ 5.60**	B	Bulk	.29	06325
2 1/2	**5.60**	B	Bulk	.47	06329
3	**6.00**	B	Bulk	.62	06333
3 1/2	**9.70**	B	Bulk	.71	06337
4	**12.50**	B	Bulk	.96	06341
5	**14.10**	A	Bulk	1.31	06345
6	**18.60**	A	Bulk	2.07	06349
8	**31.30**	A	Bulk	3.23	06353
10	**38.00**	A	Bulk	4.82	06357
12	**67.30**	A	Bulk	8.54	06361
14	**149.30**	B	Bulk	11.50	06365
16	**193.40**	B	Bulk	12.00	06369
18	**195.80**	B	Bulk	15.50	06373
20	**308.90**	B	Bulk	20.80	06377
24	**440.10**	B	Bulk	33.00	06381
30	**1009.20**	C	Bulk	62.00	06385

B3117R

ROLLER ONLY

(Cast Iron)



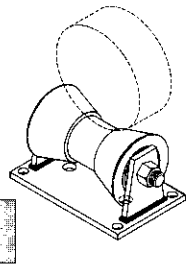
Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 to 3 1/2	**$ 12.70**	B	Bulk	.70	06500
4 to 6	**15.40**	A	Bulk	1.14	06504
8 to 10	**32.50**	A	Bulk	3.29	06508
12 to 14	**67.90**	B	Bulk	6.00	06512
16 to 20	**86.00**	B	Bulk	7.81	06516
24	**138.90**	C	Bulk	8.42	06520
30	**233.90**	C	Bulk	13.85	06524
36 to 42	**293.60**	C	Bulk	24.60	06528

B3117SL

STEEL ROLLER STAND

(Cast Iron Roller - Steel Base)



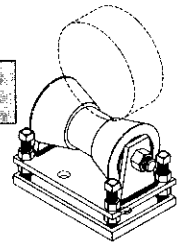
Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 to 3 1/2	**$ 57.50**	B	Bulk	5.08	06535
4 to 6	**78.30**	B	Bulk	6.31	06539
8 to 10	**136.90**	B	Bulk	12.71	06543
12 to 14	**229.70**	B	Bulk	19.94	06547
16 to 20	**318.80**	B	Bulk	34.23	06551
24	**387.10**	C	Bulk	47.10	06555
30	**725.60**	C	Bulk	71.32	06559
36 to 42	**915.10**	C	Bulk	103.86	06563

B3118SL

STEEL ADJUSTABLE ROLLER STAND

(Cast Iron Roller - Steel Base)



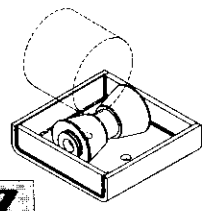
Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 to 3 1/2	**$ 168.60**	C	Bulk	11.00	06570
4 to 6	**194.60**	B	Bulk	13.10	06574
8 to 10	**302.00**	B	Bulk	27.25	06578
12 to 14	**512.60**	C	Bulk	36.12	06582
16 to 20	**789.80**	C	Bulk	63.84	06586
24	**902.90**	C	Bulk	84.37	06590
30	**1643.90**	D	Bulk	125.28	06594

B3119SL

ROLLER WITH BASE PLATE

(Cast Iron Roller - Steel Base)



Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 to 3 1/2	**$ 35.00**	D	Bulk	3.14	06610
4 to 6	**42.90**	D	Bulk	4.98	06614
8 to 10	**110.80**	D	Bulk	10.37	06618
12 to 14	**224.00**	D	Bulk	17.41	06622
16 to 20	**269.40**	D	Bulk	20.18	06626
24	**360.80**	D	Bulk	21.75	06630

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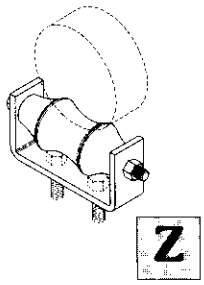
Pricing Schedule Shown in Shaded Box

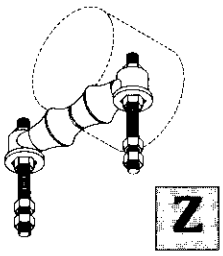


B3120

ROLLER CHAIR

(Cast Iron Roller - Steel Base)

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	**$ 27.30**	C	Bulk	1.02	06650
2 1/2	**28.50**	C	Bulk	1.46	06654
3	**29.40**	B	Bulk	1.72	06658
3 1/2	**38.40**	D	Bulk	2.64	06662
4	**42.90**	B	Bulk	3.03	06666
5	**46.60**	B	Bulk	4.01	06670
6	**65.10**	B	Bulk	6.20	06674
8	**88.00**	B	Bulk	8.74	06678
10	**110.40**	B	Bulk	12.70	06682
12	**160.60**	B	Bulk	19.18	06686
14	**168.60**	C	Bulk	26.29	06690
16	**209.30**	C	Bulk	32.48	06694
18	**259.10**	C	Bulk	41.20	06698
20	**328.10**	D	Bulk	56.30	06699

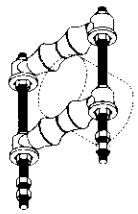


B3122

HEAVY DUTY ADJUSTABLE ROLLER SUPPORT

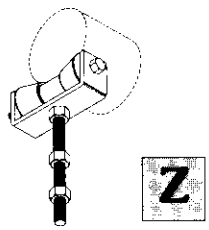
(Cast Iron Roller)

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	**$ 33.30**	C	Bulk	1.94	06750
2 1/2	**39.30**	C	Bulk	2.84	06754
3	**40.80**	C	Bulk	3.02	06758
3 1/2	**42.80**	C	Bulk	3.14	06762
4	**61.10**	B	Bulk	4.38	06766
5	**71.20**	B	Bulk	4.95	06770
6	**87.00**	B	Bulk	8.67	06774
8	**133.40**	B	Bulk	11.77	06778
10	**159.50**	B	Bulk	13.68	06782
12	**187.70**	B	Bulk	18.61	06786
14	**298.60**	D	Bulk	31.16	06790
16	**363.20**	C	Bulk	33.25	06794
18	**393.70**	D	Bulk	39.90	06797
20	**571.40**	D	Bulk	48.24	06800



B3122A ADJUSTABLE ROLLER GUIDE

P.O.A

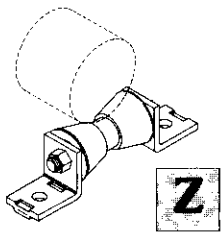


B3124

ROLLER SUPPORT SHORT PATTERN

(Cast Iron Roll - Steel Support)

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 to 3 1/2	**$ 106.80**	C	Bulk	2.14	06850
4 to 6	**123.30**	C	Bulk	3.60	06854
8 to 10	**262.50**	C	Bulk	8.23	06858
12 to 14	**278.20**	D	Bulk	13.89	06862
16 to 20	**343.90**	D	Bulk	20.35	06866



B3126

STRUT MOUNTED ROLLER SUPPORT

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 to 3 1/2	**$ 35.30**	B	Bulk	1.77	06870
4 to 6	**37.00**	A	Bulk	2.31	06871
8 to 10	**54.10**	A	Bulk	5.42	06872
12 to 14	**79.70**	B	Bulk	10.41	06873
16 to 20	**96.50**	B	Bulk	15.09	06874

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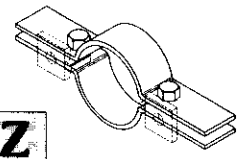
Pricing Schedule Shown in Shaded Box

B3132

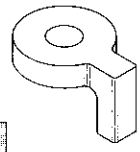
2-BOLT UNDERGROUND CLAMP



Pipe Size	Washer Size	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
4	3/4	**$ 75.50**	B	Bulk	8.64	06925
6	3/4	**79.50**	B	Bulk	10.20	06929
8	3/4	**88.10**	B	Bulk	12.22	06933
10	3/4	**95.70**	C	Bulk	14.09	06937
12	3/4	**117.50**	C	Bulk	16.08	06941
14	1	**413.00**	C	Bulk	43.59	06945
16	1	**557.20**	D	Bulk	64.04	06949
18	1 1/4	**664.60**	C	Bulk	72.93	06953
20	1 3/8	**989.30**	D	Bulk	87.79	06957
24	1 1/2	**1367.10**	C	Bulk	115.26	06961

B3132W

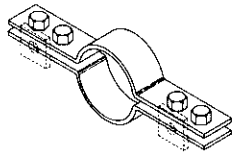
LUG WASHER



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/4	**$ 8.30**	B	Bulk	.97	06975
1	**13.10**	D	Bulk	2.07	06979
1 1/4	**18.80**	D	Bulk	2.36	06983
1 3/8	**18.80**	D	Bulk	2.31	06987
1 1/2	**28.10**	D	Bulk	2.59	06991

B3134

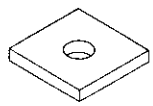
4-BOLT UNDERGROUND CLAMP



Pipe Size	Washer Size	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
4	3/4	**$ 76.50**	C	Bulk	10.13	07103
6	3/4	**82.40**	B	Bulk	12.04	07104
8	3/4	**159.70**	B	Bulk	20.91	07108
10	1	**180.30**	C	Bulk	24.67	07112
12	1	**266.40**	C	Bulk	35.37	07116
14	1 1/8	**420.00**	C	Bulk	47.18	07120
16	1 1/8	**567.80**	C	Bulk	71.55	07124
18	1 1/4	**676.50**	D	Bulk	81.79	07128
20	1 3/8	**1005.40**	D	Bulk	98.56	07132
24	1 1/2	**1389.90**	C	Bulk	133.84	07136

B3134W

LUG WASHER



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/4	**$ 8.20**	B	Bulk	1.19	07150
1	**11.80**	C	Bulk	1.60	07154
1 1/8	**14.30**	D	Bulk	1.81	07158
1 1/4	**20.50**	D	Bulk	2.30	07162
1 3/8	**20.50**	D	Bulk	2.24	07166
1 1/2	**30.70**	D	Bulk	2.17	07170

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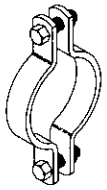
Pricing Schedule Shown in Shaded Box

B3140

STANDARD PIPE CLAMP



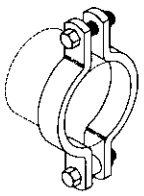
Stocked in ZNPLT & HDGAF

Y

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/2	$ 4.20	$ 5.30	B	25	.25	07400	07401
3/4	4.20	5.50	B	25	.33	07406	07407
1	4.30	5.90	B	25	.32	07412	07413
1 1/4	6.20	6.40	B	25	.39	07418	07419
1 1/2	6.20	8.80	A	25	.41	07424	07425
2	6.50	10.10	A	25	1.18	07430	07431
2 1/2	7.00	10.90	B	20	1.30	07436	07437
3	7.70	12.10	A	20	1.50	07442	07443
3 1/2	10.70	17.70	C	Bulk	1.59	07448	07449
4	10.70	17.70	A	Bulk	2.39	07454	07455
5	17.60	25.50	B	Bulk	2.72	07460	07461
6	26.80	43.30	A	Bulk	5.41	07466	07467
8	32.10	52.50	B	Bulk	6.42	07472	07473
10	57.80	103.40	B	Bulk	13.66	07478	07479
12	67.20	113.40	B	Bulk	15.43	07484	07485
14	129.20	154.90	C	Bulk	20.77	07490	07491
16	139.50	233.60	C	Bulk	22.89	07496	07497
18	296.60	376.00	C	Bulk	32.06	07502	07503
20	306.00	452.70	D	Bulk	36.16	07508	07509
24	418.80	499.00	C	Bulk	51.61	07514	07515

B3142

HEAVY DUTY PIPE CLAMP

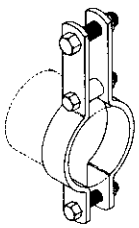


Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3	$ 32.70	C	Bulk	4.04	07600
4	49.50	B	Bulk	6.16	07605
5	54.80	D	Bulk	6.87	07610
6	100.80	B	Bulk	12.93	07615
8	110.40	C	Bulk	15.23	07620
10	206.20	D	Bulk	23.49	07625
12	345.50	D	Bulk	37.49	07630
14	454.90	C	Bulk	50.11	07635
16	490.60	D	Bulk	58.85	07640
18	1599.50	D	Bulk	129.02	07645
20	1841.90	C	Bulk	151.13	07650
24	2369.20	D	Bulk	205.61	07655
30	3735.40	D	Bulk	409.30	07660

B3144

DOUBLE BOLT PIPE CLAMP



Stocked in ZNPLT & HDGAF

Z

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/4	$ 24.80	$ 32.90	C	Bulk	1.46	07750	07751
1	24.80	32.90	C	Bulk	1.47	07756	07757
1 1/4	24.80	32.90	C	Bulk	1.52	07762	07763
1 1/2	24.80	32.90	B	Bulk	2.00	07768	07769
2	24.80	34.60	B	Bulk	2.26	07774	07775
2 1/2	25.90	36.90	C	Bulk	2.39	07780	07781
3	33.80	40.10	B	Bulk	2.60	07786	07787
4	51.80	80.90	B	Bulk	6.72	07792	07793
5	56.30	88.70	C	Bulk	7.52	07798	07799
6	87.30	144.00	B	Bulk	11.60	07804	07805
8	98.70	160.30	B	Bulk	13.25	07810	07811
10	133.50	220.80	B	Bulk	15.05	07816	07817
12	154.90	248.10	B	Bulk	16.72	07822	07823
14	295.10	454.20	D	Bulk	36.66	07828	07829
16	336.30	498.20	D	Bulk	39.92	07834	07835
18	358.20	549.40	C	Bulk	43.30	07840	07841
20	483.30	695.60	C	Bulk	55.35	07846	07847
24	706.70	1040.90	C	Bulk	65.90	07852	07853

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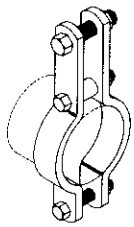
Pricing Schedule Shown in Shaded Box

B3146

HEAVY DUTY DOUBLE BOLT PIPE CLAMP

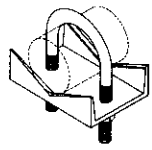


Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
6	**$ 155.30**	C	Bulk	11.82	08000
8	**175.60**	C	Bulk	17.42	08005
10	**285.00**	C	Bulk	29.79	08010
12	**501.00**	C	Bulk	38.47	08015
14	**609.70**	D	Bulk	61.04	08020
16	**864.70**	D	Bulk	79.00	08025
18	**1294.30**	D	Bulk	105.89	08030
20	**1509.60**	D	Bulk	141.80	08035
24	**1611.30**	D	Bulk	191.45	08040
30	**4423.30**	D	Bulk	349.83	08045

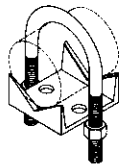
B3147A
B3147B

ANCHOR CHAIR

Type A 1¼ thru 2



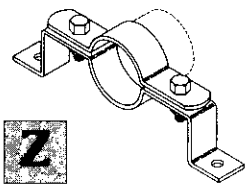
Type B 2½ thru 24



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1¼	**$ 30.90**	D	Bulk	1.09	08080
1½	**33.90**	D	Bulk	1.30	08085
2	**35.70**	C	Bulk	1.40	08090
2½	**39.50**	D	Bulk	1.47	08095
3	**45.00**	C	Bulk	1.63	08100
3½	**56.30**	D	Bulk	1.86	08105
4	**56.30**	C	Bulk	1.98	08110
5	**63.90**	C	Bulk	2.10	08115
6	**73.20**	C	Bulk	3.31	08120
8	**82.70**	C	Bulk	7.93	08125
10	**113.00**	D	Bulk	10.96	08130
12	**131.90**	D	Bulk	14.19	08135
14	**140.90**	D	Bulk	15.55	08140
16	**150.80**	D	Bulk	16.43	08145
18	**173.00**	D	Bulk	22.87	08150
20	**207.30**	D	Bulk	24.01	08155
24	**226.20**	C	Bulk	27.13	08160

B3148

OFFSET PIPE CLAMP



Pipe Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
½	**$ 46.70**	**$ 51.00**	D	Bulk	1.06	08195	08196
¾	**46.70**	**51.00**	B	Bulk	1.12	08200	08201
1	**46.70**	**51.00**	B	Bulk	1.23	08205	08206
1¼	**46.90**	**51.40**	C	Bulk	1.33	08210	08211
1½	**48.00**	**53.10**	B	Bulk	1.41	08215	08216
2	**49.60**	**56.70**	B	Bulk	1.95	08220	08221
2½	**50.60**	**60.90**	C	Bulk	2.26	08225	08226
3	**52.10**	**60.90**	B	Bulk	2.44	08230	08231
4	**58.80**	**72.20**	B	Bulk	3.58	08235	08236
5	**64.00**	**84.60**	C	Bulk	4.15	08240	08241
6	**79.30**	**104.20**	B	Bulk	6.85	08245	08246
8	**86.70**	**114.50**	B	Bulk	8.15	08250	08251

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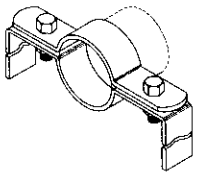
Pricing Schedule Shown in Shaded Box

B3149

MARINE HANGER



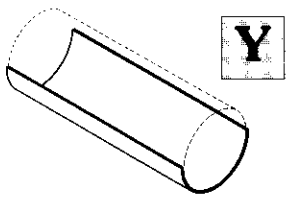
Z

Pipe Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/2	**$ 37.40**	**$ 44.80**	C	Bulk	1.80	08275	08276
3/4	**38.30**	**46.20**	C	Bulk	1.82	07280	08281
1	**52.10**	**60.10**	C	Bulk	2.31	08285	08286
1 1/4	**52.60**	**60.90**	D	Bulk	2.39	08290	08291
1 1/2	**53.40**	**61.70**	D	Bulk	2.44	08295	08296
2	**54.90**	**66.30**	D	Bulk	3.19	08300	08301
2 1/2	**55.80**	**68.10**	D	Bulk	4.34	08305	08306
3	**56.70**	**71.10**	C	Bulk	4.54	08310	08311
4	**65.00**	**81.50**	C	Bulk	4.93	08315	08316
5	**70.20**	**88.70**	D	Bulk	5.30	08320	08321
6	**79.30**	**123.90**	C	Bulk	11.42	08325	08326
8	**85.60**	**134.10**	D	Bulk	12.72	08330	08331

B3151

INSULATION PROTECTION SHIELD

Bulk Pack

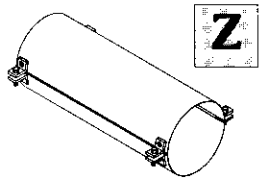


Y

B3152

360° PROTECTION SHIELD

Bulk Pack

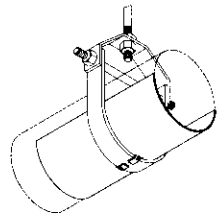


Z

B3153

PROTECTION LOC-SHIELD

Bulk Pack



Z

Shield Size	Hanger Size	B3151 PriceEa. GALV	B3151 Stock Class	B3151 Wt. Ea. Lbs.	B3151 UPC No. 781011	B3152 Price Ea. GALV	B3152 Stock Class	B3152 Wt. Ea. Lbs.	B3152 UPC No. 781011	B3153 Price Ea. GALV	B3153 Stock Class	B3153 Wt. Ea. Lbs.	B3153 UPC No. 781011
1X	1 1/2	**$ 10.00**	A	.50	08500	**$ 22.80**	D	1.21	08650	**$ 14.10**	D	.49	08760
2X	2	**10.00**	A	.63	08503	**22.80**	C	1.46	08653	**14.10**	D	.62	08763
3X	2 1/2	**11.60**	A	.75	08506	**26.10**	C	1.71	08656	**15.70**	D	.74	08766
4X	3	**12.50**	A	.92	08509	**28.50**	C	2.04	08659	**16.80**	D	.91	08769
5X	3 1/2	**13.40**	A	1.04	08512	**30.30**	C	2.32	08662	**17.50**	D	1.03	08772
6X	4	**13.90**	A	1.18	08515	**31.70**	C	2.59	08665	**18.10**	D	1.17	08775
7X	5	**14.40**	A	1.29	08518	**32.90**	C	2.80	08668	**18.70**	B	1.28	08778
8X	5	**15.30**	A	1.47	08521	**36.30**	D	3.19	08671	**20.20**	D	1.46	08781
9X	6	**17.10**	A	2.19	08524	**38.80**	C	4.56	08674	**21.50**	D	2.18	08784
10X	8	**18.20**	A	2.53	08527	**41.50**	C	5.23	08677	**22.60**	B	2.51	08787
11X	8	**20.10**	B	2.86	08530	**45.80**	D	5.91	08680	**24.60**	D	2.85	08790
10Y	8	**22.20**	B	3.77	08533	**50.60**	D	7.64	08683	**26.70**	D	3.78	08793
11Y	8	**25.30**	B	4.24	08536	**57.40**	C	8.58	08686	**29.80**	C	4.23	08796
12Y	10	**29.80**	A	4.75	08539	**67.70**	C	9.60	08689	**34.50**	C	4.73	08799
13Y	10	**34.00**	A	5.29	08542	**77.10**	C	10.81	08692	**38.90**	D	5.28	08802
14Z	12	**41.90**	B	9.64	08545	**95.10**	C	19.22	08695	**47.00**	C	9.62	08805
15Z	12	**46.70**	B	10.45	08548	**106.30**	C	20.85	08698	**52.10**	C	10.43	08808
16Z	14	**69.30**	B	11.46	08551	**157.90**	C	22.86	08701	**75.80**	D	11.44	08811
17Z	16	**69.30**	B	12.27	08554	**157.90**	C	24.49	08704				
18Z	16	**79.30**	B	13.09	08557	**181.60**	C	26.12	08707				
19Z	18	**79.30**	C	13.43	08560	**181.60**	D	27.81	08710				
20Z	18	**158.90**	B	20.64	08563	**274.50**	D	41.08	08713				
21Z	20	**158.90**	C	21.78	08566	**274.50**	D	43.54	08716				
22Z	20	**169.20**	C	22.92	08569	**293.10**	D	45.64	08719				
23Z	24	**173.80**	C	24.06	08572								
24Z	24	**187.80**	C	25.20	08575								
25Z	24	**200.20**	C	26.34	08578								
26Z	24	**206.40**	C	27.53	08581								
27Z	30	**220.80**	D	28.62	08584								
28Z	30	**227.10**	C	29.81	08587								

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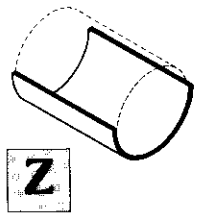
Pricing Schedule Shown in Shaded Box

B3154

SHORT INSULATION PROTECTION SHIELD

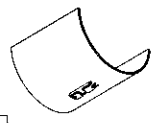


Z

Shield Size	Hanger Size	Price Ea. GALV	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
1X	1 1/2	**$ 5.40**	B	Bulk	.35	08820
2X	2	**5.40**	A	Bulk	.44	08823
3X	2 1/2	**5.80**	B	Bulk	.52	08826
4X	3	**6.20**	A	Bulk	.64	08829
5X	3 1/2	**6.60**	B	Bulk	.73	08832
6X	4	**7.40**	B	Bulk	.82	08835
7X	5	**8.40**	B	Bulk	.90	08838
8X	5	**10.70**	B	Bulk	1.02	08841
9X	6	**10.80**	B	Bulk	1.22	08844
10Z	8	**12.00**	B	Bulk	2.11	08847
11Z	8	**12.30**	B	Bulk	2.39	08850
12Z	10	**18.20**	B	Bulk	2.65	08853
13Z	10	**18.30**	B	Bulk	2.95	08856
14Z	12	**24.00**	C	Bulk	3.22	08859
15Z	12	**24.70**	B	Bulk	3.49	08862
16Z	14	**27.80**	C	Bulk	3.83	08865
17Z	16	**34.40**	C	Bulk	4.10	08868
18Z	16	**39.90**	C	Bulk	4.38	08871
19Z	18	**40.30**	D	Bulk	4.66	08874
20Z	18	**40.90**	C	Bulk	4.93	08877
21Z	20	**46.90**	C	Bulk	5.20	08880
22Z	20	**47.80**	C	Bulk	5.48	08883
23Z	24	**48.50**	C	Bulk	5.75	08886

B3155

SHORT INSULATION PROTECTION SHIELD WITH "LOC" TABS



Z

Shield Size	Hanger Size	Price Ea. GALV	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
1X	1 1/2	**$ 7.40**	C	Bulk	.34	02775
2X	2	**7.40**	C	Bulk	.43	02776
3X	2 1/2	**7.70**	B	Bulk	.51	02779
4X	3	**8.10**	D	Bulk	.63	02796
5X	3 1/2	**8.80**	C	Bulk	.72	02780
6X	4	**9.80**	D	Bulk	.81	02781
7X	5	**10.80**	C	Bulk	.89	02783
8X	5	**13.40**	D	Bulk	1.01	02784
9X	6	**13.50**	D	Bulk	1.21	02785
10Z	8	**14.80**	C	Bulk	2.10	02787
11Z	8	**15.10**	D	Bulk	2.39	02788
12Z	10	**21.50**	D	Bulk	2.64	02789
13Z	10	**21.60**	C	Bulk	2.94	02791
14Z	12	**27.70**	D	Bulk	3.21	02792
15Z	12	**27.90**	D	Bulk	3.48	02793
16Z	14	**30.50**	D	Bulk	3.82	02795

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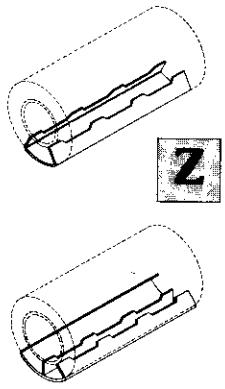
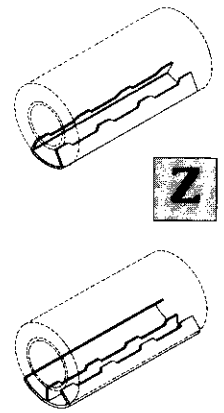
B3160



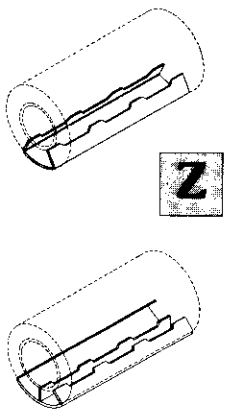
Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
PROTECTION SADDLE FOR 1" THICK INSULATION					
3/4	**$ 16.80**	C	Bulk	1.22	09200
1 to 1 1/4	**16.80**	B	Bulk	1.57	09204
1 1/2 to 2	**18.20**	B	Bulk	1.73	09208
3/4" thru 10"					
2 1/2 to 3	**26.10**	B	Bulk	2.10	09212
3 1/2 to 5	**28.00**	B	Bulk	2.50	09216
6	**33.20**	B	Bulk	3.87	09220
8	**44.60**	B	Bulk	4.78	09224
10	**49.70**	C	Bulk	5.46	09228
12	**56.30**	C	Bulk	6.88	09232
14	**56.30**	C	Bulk	7.12	09236
12" and up					
16	**58.40**	D	Bulk	7.80	09240
18	**64.30**	D	Bulk	8.48	09244
20	**66.80**	D	Bulk	9.15	09248

B3161



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
PROTECTION SADDLE FOR 1 1/2" THICK INSULATION					
3/4 to 1 1/4	**$ 20.90**	B	Bulk	2.28	09260
1 1/2 to 2	**22.70**	B	Bulk	2.39	09264
2 1/2 to 3	**26.70**	A	Bulk	2.68	09268
3/4" thru 10"					
3 1/2 to 5	**27.30**	B	Bulk	2.89	09272
6	**38.90**	A	Bulk	4.98	09276
8	**49.00**	B	Bulk	5.54	09280
10	**54.30**	B	Bulk	6.42	09284
12	**71.80**	B	Bulk	8.26	09288
14	**71.80**	C	Bulk	8.28	09292
16	**90.40**	C	Bulk	9.07	09296
12" and up					
18	**97.00**	C	Bulk	9.79	09300
20	**112.10**	C	Bulk	10.31	09304
24	**129.00**	C	Bulk	11.79	09308
30	**144.50**	D	Bulk	13.70	09312
36	**160.10**	D	Bulk	15.74	09316

B3162



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
PROTECTION SADDLE FOR 2" THICK INSULATION					
3/4 to 1 1/4	**$ 21.80**	B	Bulk	2.97	09324
1 1/2 to 2	**25.70**	A	Bulk	3.11	09328
2 1/2 to 3	**25.70**	A	Bulk	3.58	09332
3/4" thru 10"					
3 1/2 to 5	**30.20**	B	Bulk	3.64	09336
6	**43.40**	A	Bulk	5.94	09340
8	**51.30**	A	Bulk	6.74	09344
10	**54.40**	B	Bulk	7.50	09348
12	**80.70**	B	Bulk	9.63	09352
14	**80.70**	C	Bulk	9.63	09356
16	**104.90**	C	Bulk	10.39	09360
12" and up					
18	**104.90**	D	Bulk	10.94	09364
20	**116.50**	D	Bulk	11.71	09368
24	**135.40**	D	Bulk	13.06	09372
30	**149.80**	C	Bulk	15.02	09376
36	**165.10**	D	Bulk	17.01	09380

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Pricing Schedule Shown in Shaded Box

B3163

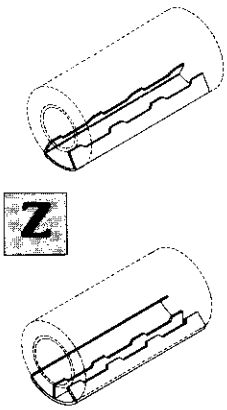
Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1¼	**$ 27.40**	B	Bulk	3.42	09404
1½ to 3	**27.40**	A	Bulk	4.17	09408
3½ to 5	**32.00**	A	Bulk	4.22	09412
6	**48.80**	B	Bulk	6.94	09416
8	**59.80**	B	Bulk	7.82	09420
10	**65.50**	B	Bulk	8.50	09424
12	**87.50**	C	Bulk	10.91	09428
14	**87.50**	C	Bulk	10.99	09432
16	**119.80**	C	Bulk	11.63	09436
18	**128.10**	D	Bulk	12.31	09440
20	**128.10**	C	Bulk	12.94	09444
24	**146.60**	C	Bulk	14.42	09448
30	**160.10**	C	Bulk	16.29	09452
36	**173.50**	D	Bulk	18.33	09456

PROTECTION SADDLE FOR 2½" THICK INSULATION

1¼" thru 10"

Z

12" and up



B3164

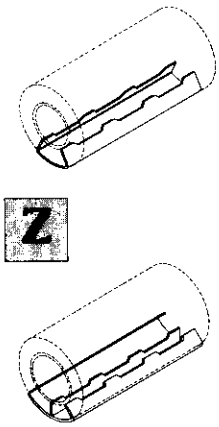
Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2	**$ 29.30**	B	Bulk	3.42	09470
2½ to 3	**29.30**	B	Bulk	5.39	09474
3½ to 5	**29.30**	B	Bulk	5.55	09478
6	**61.20**	B	Bulk	7.94	09482
8	**61.20**	B	Bulk	8.93	09486
10	**68.40**	B	Bulk	9.57	09490
12	**95.00**	B	Bulk	12.19	09494
14	**95.00**	C	Bulk	12.30	09498
16	**130.10**	C	Bulk	12.93	09502
18	**130.10**	C	Bulk	13.62	09506
20	**134.30**	D	Bulk	14.30	09510
24	**176.60**	D	Bulk	15.62	09514
30	**190.50**	D	Bulk	17.45	09518
36	**205.20**	D	Bulk	19.61	09522

PROTECTION SADDLE FOR 3" THICK INSULATION

2" thru 10"

Z

12" and up



B3165

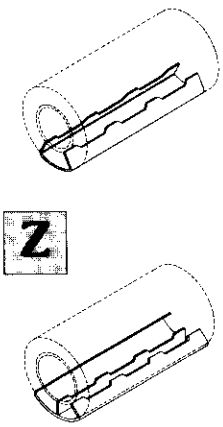
Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
4	**$ 47.60**	B	Bulk	6.16	09540
5	**47.60**	C	Bulk	6.43	09544
6	**77.10**	B	Bulk	10.09	09548
8	**77.10**	B	Bulk	10.89	09552
10	**80.20**	C	Bulk	11.37	09556
12	**108.80**	B	Bulk	14.62	09560
14	**108.80**	D	Bulk	14.86	09564
16	**154.00**	C	Bulk	15.54	09568
18	**154.00**	D	Bulk	16.18	09572
20	**232.10**	C	Bulk	16.89	09576
24	**249.60**	D	Bulk	18.21	09580
30	**263.40**	D	Bulk	20.09	09584
36	**273.60**	D	Bulk	22.16	09588

PROTECTION SADDLE FOR 3" THICK INSULATION

4" thru 10"

Z

12" and up



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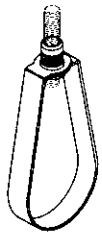
Pricing Schedule Shown in Shaded Box



B3170

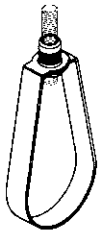
ADJUSTABLE SWIVEL RING

*Specify 1/2 or 5/8 rod size.

DCI No. is for 1/2 rod size.

Z

Pipe Size	Rod Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 1/2	1/2	$ 7.60	B	50	.29	09821
3	1/2	8.40	B	50	.33	09827
3 1/2	1/2	12.10	C	25	.36	09833
4	*1/2,5/8	13.60	B	20	.54	09839
5	5/8	15.20	A	20	.97	09848
6	3/4	24.30	A	20	1.13	09857
8	3/4	36.60	A	10	1.41	09863



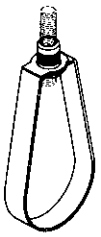
B3170CT

ADJUSTABLE SWIVEL RING

Dura-Copper®

X

Pipe Size	Rod Size	Price Ea. CUPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	3/8	$ 1.90	A	100	.09	09940
3/4	3/8	1.90	A	100	.10	09943
1	3/8	1.90	A	100	.11	09947
1 1/4	3/8	1.90	A	100	.12	09950
1 1/2	3/8	2.00	A	100	.12	09953
2	3/8	2.50	A	100	.13	09956
2 1/2	1/2	5.60	A	50	.31	09959
3	1/2	6.30	A	50	.33	09962
3 1/2	1/2	8.50	B	50	.38	09965
4	1/2	10.40	A	25	.40	09968
5	5/8	P.O.A.	B	25	.95	09971
6	5/8	P.O.A.	B	25	1.18	09974



B3170NF

ADJUSTABLE SWIVEL RING FOR NFPA ROD SIZES

For Felt-Lined see B3170NFF.

For Plastic Coated see B3170NFC.

X

Pipe Size	Rod Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	3/8	$ 1.30	A	100	.11	09800
3/4	3/8	1.30	A	100	.12	09803
1	3/8	1.40	A	100	.12	09806
1 1/4	3/8	1.40	A	100	.13	09809
1 1/2	3/8	1.40	A	100	.15	09812
2	3/8	1.50	A	100	.16	09815
2 1/2	3/8	2.60	A	50	.25	09818
3	3/8	2.60	A	50	.29	09824
3 1/2	3/8	4.30	A	25	.33	09830
4	3/8	4.50	A	20	.40	09836
5	1/2	6.60	A	20	.83	09845
6	1/2	10.10	A	20	.91	09851
8	1/2	12.20	A	10	1.30	09860

B3170NFC

ADJUSTABLE SWIVEL RING

Plastic coating on lower band of hanger.

Z

Pipe Size	Rod Size	Price Ea. GALV	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
1/2	3/8	$ 5.10	B	Bulk	.11	09890
3/4	3/8	5.10	B	Bulk	.12	09894
1	3/8	5.30	B	Bulk	.12	09898
1 1/4	3/8	5.50	B	Bulk	.13	09902
1 1/2	3/8	6.30	A	Bulk	.15	09906
2	3/8	7.10	A	Bulk	.16	09910
2 1/2	3/8	11.30	B	Bulk	.25	09914
3	3/8	13.20	B	Bulk	.29	09918
3 1/2	3/8	21.80	D	Bulk	.33	09922
4	3/8	31.80	B	Bulk	.40	09926
5	1/2	34.50	D	Bulk	.83	09930
6	1/2	45.50	C	Bulk	.91	09934

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Pricing Schedule Shown in Shaded Box

B3170NFF

ADJUSTABLE SWIVEL FELT LINED

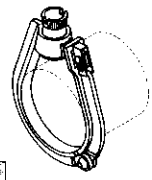
Y

Pipe Size	Washer Size	Price Ea. GALV	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
1/2	3/8	$ 3.40	B	Bulk	.11	09990
3/4	3/8	3.40	A	Bulk	.12	09993
1	3/8	3.50	A	Bulk	.12	09996
1 1/4	3/8	3.70	B	Bulk	.13	09999
1 1/2	3/8	3.80	B	Bulk	.15	10002
2	3/8	3.90	B	Bulk	.16	10005
2 1/2	3/8	6.50	B	Bulk	.25	10008
3	3/8	6.70	B	Bulk	.29	10011
3 1/2	3/8	7.00	C	Bulk	.33	10014
4	1/2	9.10	B	Bulk	.40	10017
5	1/2	16.70	C	Bulk	.83	10020
6	1/2	23.20	C	Bulk	.91	10023
8	1/2	34.40	C	Bulk	1.30	10026

B3171

ADJUSTABLE SWIVEL RING

(Malleable Iron)

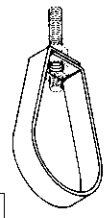


Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/4	$ 16.30	B	50	.31	01146
1	17.40	B	50	.32	01152
1 1/4	18.20	B	50	.34	01157
1 1/2	20.40	B	50	.41	01158
2	23.30	A	50	.48	01163
2 1/2	36.10	B	25	.58	01164
3	43.80	C	25	1.00	01169
4	66.50	C	10	1.74	01173
5	82.30	D	Bulk	2.51	01174
6	123.90	D	Bulk	3.84	01175
8	159.80	D	Bulk	6.05	01176

B3172

ADJUSTABLE BAND HANGER

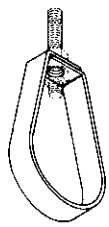


Z

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/2	$ 1.80	$ 2.10	C	50	.11	10200	10201
3/4	1.80	2.30	C	50	.12	10205	76518
1	2.00	2.60	C	50	.12	10210	76461
1 1/4	2.10	3.00	C	50	.14	10215	76475
1 1/2	2.40	3.50	C	50	.16	10220	76468
2	3.20	4.30	C	25	.23	10225	76484
2 1/2	3.40	5.10	C	Bulk	.30	10230	76504
3	3.70	5.50	C	Bulk	.42	10235	76509
4	5.90	9.40	C	Bulk	.86	10245	76529
5	7.20	10.40	C	Bulk	.96	10250	76538
6	7.40	16.80	B	Bulk	1.50	10255	76543
8	12.00	22.40	C	Bulk	2.60	10260	76548

B3172CT

COPPER TUBING ADJUSTABLE BAND HANGER



Z

Tubing Size	Price Ea. CUPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/4	$ 2.60	B	50	.12	10270
1	3.00	C	50	.12	10273
1 1/4	3.40	B	50	.12	10276
1 1/2	3.60	B	50	.13	10279
2	4.60	B	50	.16	10282
2 1/2	6.50	C	50	.30	10285
3	7.10	C	50	.32	10288
3 1/2	7.70	C	50	.40	10291
4	7.70	C	50	.49	10294

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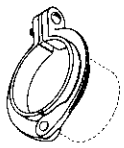
Pricing Schedule Shown in Shaded Box

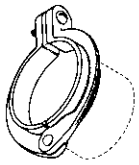


B3173

SPLIT RING HANGER
(Malleable Iron)

Z

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 7.30**	C	100	.12	10300
3/4	**7.40**	C	100	.14	10304
1	**7.80**	B	100	.14	10308
1 1/4	**9.70**	C	50	.23	10312
1 1/2	**11.80**	B	50	.28	10316
2	**13.40**	B	25	.38	10320
2 1/2	**19.40**	C	25	.43	10324
3	**24.10**	B	20	.69	10328
4	**33.70**	B	10	.99	10332
5	**63.20**	C	10	1.48	10336
6	**87.30**	C	10	2.62	10340
8	**154.40**	C	Bulk	5.42	10344



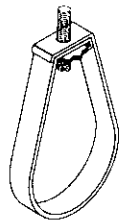
B3173CT

COPPER TUBING
SPLIT RING HANGER
(Malleable Iron)

Dura-Copper®

Z

Tubing Size	Price Ea. DCU	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 4.80**	B	50	.09	10350
3/4	**4.80**	B	100	.15	10353
1	**4.80**	B	100	.15	10356
1 1/4	**7.10**	B	100	.23	10359
1 1/2	**7.10**	B	50	.26	10362
2	**9.30**	C	50	.39	10365
2 1/2	**20.40**	C	25	.54	10368
3	**23.20**	C	20	.70	10350
4	**31.10**	B	10	1.00	10374



B3174

TWIRL ADJUSTABLE BAND HANGER

Available in Stainless Steel Type 304 thru 2", consult factory.

B3174SS series P.O.A.

X

Pipe Size	Rod Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	3/8	**$ 2.00**	A	50	.12	70694
3/4	3/8	**2.00**	A	50	.12	70696
1	3/8	**2.10**	A	50	.13	70698
1 1/4	3/8	**2.10**	A	50	.13	70700
1 1/2	3/8	**2.50**	A	50	.14	70702
2	3/8	**2.60**	A	50	.18	70704
2 1/2	3/8	**4.30**	B	50	.27	70705
3	3/8	**4.30**	A	50	.30	70708
3 1/2	3/8	**5.40**	B	25	.32	70710
4	3/8	**5.80**	A	25	.50	70712

B3174C

TWIRL ADJUSTABLE BAND HANGER PLASTIC COATED

Plastic coating on lower portion of ring.

Z

Tubing Size	Rod Size	Price Ea. GALV	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
1/2	3/8	**$ 5.10**	C	Bulk	.12	70730
3/4	3/8	**5.10**	C	Bulk	.12	70733
1	3/8	**5.30**	C	Bulk	.13	70736
1 1/4	3/8	**5.50**	D	Bulk	.13	70739
1 1/2	3/8	**6.30**	C	Bulk	.14	70742
2	3/8	**7.10**	B	Bulk	.16	70745
2 1/2	3/8	**11.30**	D	Bulk	.28	70748
3	3/8	**13.20**	C	Bulk	.30	70751
3 1/2	3/8	**21.80**	D	Bulk	.32	70754
4	3/8	**31.80**	D	Bulk	.50	70757

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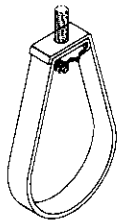
Pricing Schedule Shown in Shaded Box

B3174CT

COPPER TUBING TWIRL ADJUSTABLE BAND HANGER

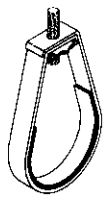
Dura-Copper®



Pipe Size	Rod Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2,3/4	3/8	$ 3.00	A	50	.12	70780
1	3/8	3.20	A	50	.13	70782
1 1/4	3/8	3.30	A	50	.13	70784
1 1/2	3/8	3.80	A	50	.14	70786
2	3/8	4.40	A	50	.16	70788
2 1/2	3/8	7.10	A	25	.26	70790
3	3/8	8.00	A	25	.30	70792
4	3/8	10.70	B	10	.50	70796

B3174F

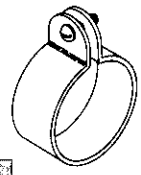
TWIRL ADJUSTABLE BAND HANGER FELT LINED



Pipe Size	Price Ea. GALV/Felt	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	$ 4.60	C	Bulk	.12	70815
3/4	4.60	C	Bulk	.12	70818
1	4.70	C	Bulk	.13	70821
1 1/4	5.10	C	Bulk	.13	70824
1 1/2	5.30	C	Bulk	.14	70827
2	5.40	C	Bulk	.16	70830
2 1/2	8.80	C	Bulk	.28	70833
3	9.20	C	Bulk	.30	70836
3 1/2	9.60	C	Bulk	.32	70839
4	12.30	D	Bulk	.50	70842

B3175

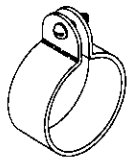
RING & BOLT



Pipe Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 2.50	C	100	.04	10400
1/2	2.50	C	100	.07	10403
3/4	2.60	C	100	.08	10406
1	2.70	C	100	.09	10409
1 1/4	3.10	C	50	.10	10412
1 1/2	3.20	B	50	.11	10415
2	3.70	B	50	.13	10418
2 1/2	4.60	C	25	.27	10421
3	6.60	B	25	.32	10424
3 1/2	8.80	D	25	.35	10427
4	8.80	B	25	.39	10430
5	12.50	C	Bulk	.47	10433
6	15.80	C	Bulk	.54	10436

B3175CT

COPPER TUBING RING & BOLT



Tubing Size	Price Ea. CUPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 2.70	D	100	.07	10450
1/2	2.70	B	100	.08	10453
3/4	3.00	B	100	.08	10456
1	3.40	B	100	.08	10459
1 1/4	3.80	B	100	.10	10462
1 1/2	4.10	C	50	.11	10465
2	5.20	B	25	.11	10468
2 1/2	9.00	C	25	.12	10471
3	9.80	C	25	.14	10474
3 1/2	11.40	D	25	.16	10477
4	12.80	D	50	.18	10480

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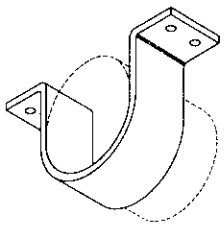
Pricing Schedule Shown in Shaded Box



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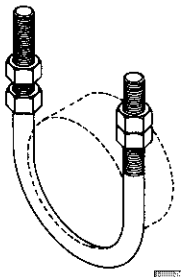
B3180

SHORT PIPE STRAP

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	$ 5.50	B	Bulk	.22	10800
3/4	5.60	B	Bulk	.26	10804
1	5.80	B	Bulk	.30	10808
1 1/4	6.40	C	Bulk	.35	10812
1 1/2	8.10	C	Bulk	.58	10816
2	8.40	B	Bulk	.69	10820
2 1/2	14.70	C	Bulk	1.53	10824
3	16.10	B	Bulk	1.71	10828
4	20.20	B	Bulk	2.12	10832



X

B3188

STANDARD U-BOLT

Four Hex Nuts Included

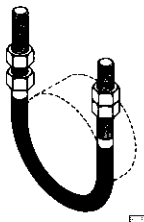
For non standard U-Bolts (B3188NS), see list price adders on page 31.

For plastic coated see B3188C.

For cast iron pipe sizes see B3188DI on page 31.

Available in Stainless Steel & HDGAF

Pipe Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/2	$ 2.70	$ 3.70	A	100	.10	11300	11301
3/4	2.80	3.70	A	100	.11	11304	11305
1	3.00	3.80	A	100	.11	11308	11309
1 1/4	3.50	4.60	A	50	.28	11312	11313
1 1/2	3.50	4.60	A	50	.29	11316	11317
2	3.60	4.70	A	50	.31	11320	11321
2 1/2	5.90	8.00	A	50	.72	11324	11325
3	6.30	8.80	A	50	.79	11328	11329
3 1/2	6.50	9.50	A	50	.84	11332	11333
4	6.60	9.60	A	50	.94	11336	11337
5	7.30	10.70	A	Bulk	1.04	11340	11341
6	12.50	17.90	A	Bulk	2.03	11344	33145
8	14.30	20.20	A	Bulk	2.41	11348	11349
10	25.30	36.50	A	Bulk	4.12	11352	11353
12	33.80	51.80	A	Bulk	6.61	11356	11357
14	55.40	82.10	B	Bulk	7.07	11360	11361
16	64.20	97.40	B	Bulk	7.82	11364	11365
18	95.80	140.10	B	Bulk	13.48	11368	11369
20	96.90	152.60	B	Bulk	14.57	11372	11373
24	111.60	172.70	B	Bulk	16.87	11376	11377
30	235.80	316.80	B	Bulk	20.30	11380	11381



Z

B3188C

U-BOLT PLASTIC COATED

Plastic coating on lower portion of bolt.

Tubing Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	$ 12.30	D	Bulk	.10	11400
3/4	12.70	C	Bulk	.11	11404
1	13.30	C	Bulk	.11	11408
1 1/4	15.60	D	Bulk	.28	11412
1 1/2	16.20	D	Bulk	.29	11416
2	17.50	C	Bulk	.31	11420
2 1/2	24.80	C	Bulk	.72	11424
3	27.10	C	Bulk	.79	11428
3 1/2	28.50	D	Bulk	.84	11432
4	30.40	C	Bulk	.94	11436
5	34.10	D	Bulk	1.04	11440
6	53.50	C	Bulk	2.03	11444
8	62.80	C	Bulk	2.41	11448

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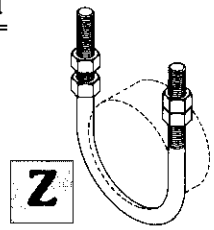
Pricing Schedule Shown in Shaded Box

B3188DI

U-BOLT FOR AWWA CAST IRON PIPE

(4 Hex Nuts Included)
Stainless Steel Available



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
4	**$ 9.30**	C	Bulk	.99	11165
6	**17.70**	D	Bulk	2.07	11166
8	**20.10**	C	Bulk	2.49	11167
10	**35.60**	C	Bulk	4.21	11168
12	**47.60**	D	Bulk	6.77	11169
14	**78.00**	D	Bulk	7.56	11170
16	**90.30**	D	Bulk	8.32	11171
18	**135.30**	D	Bulk	14.29	11172
20	**137.00**	D	Bulk	15.51	11173
24	**157.40**	D	Bulk	17.91	11174

B3188NS

SPECIAL U-BOLT

Rod Size	1/4	3/8	1/2	5/8	3/4	7/8	1
Price Ea.	**$ 2.00**	**$ 2.70**	**$ 5.30**	**$ 8.20**	**$12.90**	**$16.90**	**$21.80**

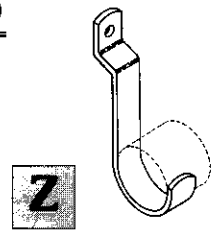
Add to B3188 list price (See Page 7) for each additional 3" of tangent or fraction thereof.

Rod Size	1/4	3/8	1/2	5/8	3/4	7/8	1
Price Ea.	**$ 3.30**	**$ 3.30**	**$ 6.10**	**$ 7.90**	**$10.50**	**$11.00**	**$11.70**

Add to B3188 list price (See Page 7) for each additional 2 1/2" of thread or fraction thereof on both ends.

B3190

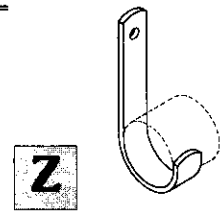
OFFSET J-HOOK



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 5.20**	D	Bulk	.56	11530
3/4	**5.30**	C	Bulk	.59	11534
1	**5.90**	C	Bulk	.81	11538
1 1/4	**6.00**	C	Bulk	.86	11542
1 1/2	**6.50**	C	Bulk	.89	11546
2	**7.70**	C	Bulk	.97	11550
2 1/2	**8.50**	D	Bulk	1.25	11554
3	**9.10**	B	Bulk	1.34	11558
3 1/2	**11.70**	D	Bulk	1.43	11562
4	**11.70**	B	Bulk	2.26	11566

B3191

STRAIGHT J-HOOK



Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 5.00**	C	Bulk	.54	11580
3/4	**5.00**	C	Bulk	.56	11584
1	**5.50**	C	Bulk	.78	11588
1 1/4	**6.00**	D	Bulk	.84	11592
1 1/2	**6.50**	C	Bulk	.87	11596
2	**7.70**	B	Bulk	.93	11600
2 1/2	**8.50**	C	Bulk	1.20	11604
3	**9.10**	C	Bulk	1.34	11608
3 1/2	**11.70**	C	Bulk	1.42	11612
4	**11.70**	B	Bulk	2.23	11616

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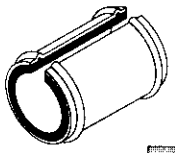
Pricing Schedule Shown in Shaded Box



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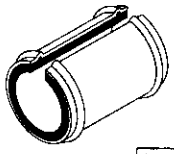
B3195

IPS FELT ISOLATOR

Pipe Size	Price Ea. GALV	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 9.10**	C	100	.07	11800
3/4	**9.10**	C	100	.08	11803
1	**9.50**	B	100	.10	11806
1 1/4	**10.80**	B	100	.10	11809
1 1/2	**11.90**	C	100	.12	11812
2	**14.00**	B	100	.15	11815
2 1/2	**19.10**	C	50	.21	11818
3	**22.20**	B	50	.27	11821
3 1/2	**30.10**	D	Bulk	.37	11824
4	**49.70**	B	Bulk	.66	11827
5	**78.80**	D	Bulk	.83	11830
6	**139.30**	C	Bulk	.97	11833



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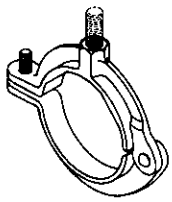
B3195CT

COPPER TUBE SIZE FELT ISOLATOR

Tubing Size	Price Ea. CUPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 9.10**	B	100	.07	11840
3/4	**9.10**	B	100	.08	11843
1	**9.50**	B	100	.10	11846
1 1/4	**10.80**	B	100	.10	11849
1 1/2	**11.90**	B	100	.12	11852
2	**14.00**	B	100	.15	11855
2 1/2	**19.10**	C	50	.21	11858
3	**22.20**	C	50	.27	11861
3 1/2	**30.10**	D	Bulk	.37	11864
4	**49.70**	C	Bulk	.66	11867



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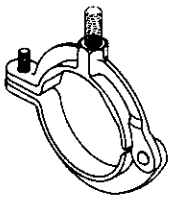
B3198H

Available in rod thread only.

Pipe Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 4.60	$ 5.90	A	100	.08	12050	12051
1/2	4.60	5.90	A	100	.11	12054	12055
3/4	5.00	6.40	A	50	.17	12058	12059
1	5.40	6.80	A	50	.19	12062	12063
1 1/4	6.50	8.50	A	50	.26	12066	12067
1 1/2	9.50	12.20	A	50	.32	12070	12071
2	12.70	16.30	A	25	.43	12074	12075
2 1/2	25.30	32.70	A	10	.69	12078	12079
3	30.00	38.90	A	10	.93	12082	12083



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B3198HCT

COPPER TUBING HINGED EXTENSION SPLIT PIPE CLAMP (MALLEABLE IRON)

Dura-Copper®

Tubing Size	Price Ea. DCU	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	$ 4.90	A	100	.08	12100
3/4	5.20	A	100	.09	12103
1	5.50	A	50	.10	12106
1 1/4	5.90	A	50	.25	12109
1 1/2	7.20	A	50	.29	12112
2	7.30	A	50	.36	12115

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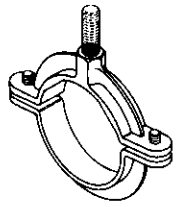
Pricing Schedule Shown in Shaded Box

B3198P
B3198R

EXTENSION SPLIT PIPE CLAMP (MALLEABLE IRON)



Pipe Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
3/8	$ 4.30	$ 5.00	A	100	.12	12134	12135
1/2	4.30	5.20	A	100	.16	12142	12143
3/4	4.70	5.50	A	50	.18	12150	12151
1	5.10	6.00	A	50	.24	12158	12159
1 1/4	6.20	7.30	A	50	.29	12166	12167
1 1/2	9.00	10.70	A	50	.32	12174	12175
2	12.00	14.40	A	25	.39	12182	12183
2 1/2	24.00	37.80	A	10	1.15	12190	12191
3	28.40	47.10	A	10	1.40	12198	12199
4	57.10	72.70	A	20	1.60	12206	12207

B3198P Pipe Tap
B3198R Rod Tap

UPC numbers are for B3198R series clamps.

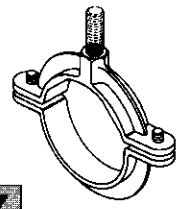
Z **B3198P**

Y **B3198R**

B3198RCT

COPPER TUBING SCREW TYPE EXTENSION SPLIT PIPE CLAMP (MALLEABLE IRON)

Dura-Copper®

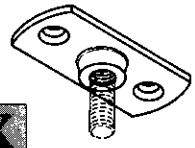


Y

Tubing Size	Price Ea. DCU	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 4.40	B	100	.12	12220
1/2	4.40	A	100	.12	12223
3/4	4.80	A	100	.14	12226
1	5.20	A	100	.17	12229
1 1/4	5.50	A	50	.19	12232
1 1/2	6.70	A	50	.22	12235
2	7.90	A	50	.26	12238

B3199

CEILING FLANGE (MALLEABLE IRON)

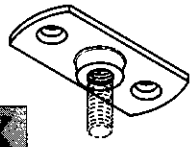


X

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/4P	$ 3.70	$ 5.00	A	100	.17	12250	12251
3/8R	2.80	3.60	A	100	.13	12254	12255
1/2R	3.70	4.60	A	100	.17	12258	12259

B3199RCT

CEILING FLANGE (MALLEABLE IRON) Dura-Copper®

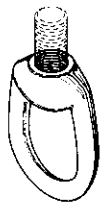


X

Tubing Size	Price Ea. DCU	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8R	$ 3.80	A	100	.12	12271
1/2R	5.10	A	100	.12	12274

B3200

WELDLESS EYE NUT
(Forged Steel)



Z

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	$ 23.80	A	25	.18	12300
1/2	23.80	B	25	.31	12305
5/8	23.80	A	25	.59	12310
3/4	23.80	A	25	.56	12315
7/8	48.20	B	10	1.72	12320
1	48.20	B	10	1.67	12325
1 1/8	124.80	C	Bulk	3.73	12330
1 1/4	124.80	C	Bulk	3.64	12335
1 1/2	124.80	C	Bulk	3.45	12340

B3200L WELDLESS EYE NUT LH(Left Hand) THREAD FORGED STEEL

P.O.A.

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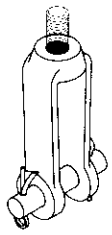

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B3201
B3201W/O

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
FORGED STEEL CLEVIS					
3/8	**63.00**	B	25	1.17	12450
1/2	**63.00**	B	25	1.26	12454
5/8	**63.00**	B	25	1.47	12458
B3201 (With Hardware)					
3/4	**101.10**	B	10	3.37	12462
7/8	**101.10**	B	10	3.85	12466
1	**180.70**	B	Bulk	5.19	12470
1 1/8	**180.70**	D	Bulk	5.42	12474
1 1/4	**180.70**	C	Bulk	5.86	12478
1 1/2	**P.O.A.**	D	Bulk	9.59	03910
1 3/4	**P.O.A.**	C	Bulk	13.77	03915
2	**P.O.A.**	D	Bulk	24.22	03920
3/8	**$ 55.80**	C	25	1.00	12375
1/2	**55.80**	C	25	.96	12379
5/8	**55.80**	C	25	.91	12383
B3201W/O (Without Hardware)					
3/4	**90.80**	C	10	2.50	12387
7/8	**90.80**	C	10	2.41	12391
1	**154.80**	C	Bulk	4.00	12395
1 1/8	**154.80**	D	Bulk	3.85	12399
1 1/4	**154.80**	D	Bulk	3.60	12403
1 1/2	**P.O.A.**	D	Bulk	6.00	03840
1 3/4	**P.O.A.**	D	Bulk	8.00	03845
2	**P.O.A.**	D	Bulk	16.00	03850

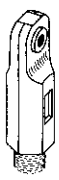
Contact home office for quantity purchase.

When practical either a bolt and nut or a pin and cotter will be supplied. (see Catalog)

Z

B3202

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
TURNBUCKLE (Forged Steel)					
3/8 x 6	**$ 22.60**	B	25	.38	12500
1/2 x 6	**28.10**	B	25	.54	12504
5/8 x 6	**29.50**	C	25	.91	12508
3/4 x 6	**39.40**	B	15	1.30	12512
7/8 x 6	**54.10**	C	15	2.02	12516
1 x 6	**68.30**	C	10	2.70	12520
1 1/8 x 6	**112.50**	C	Bulk	3.54	12524
1 1/4 x 6	**112.50**	C	Bulk	4.45	12528
1 1/2 x 6	**146.50**	C	Bulk	6.40	12532
1 3/4 x 6	**P.O.A.**	D	Bulk	11.00	77358
2 x 6	**P.O.A.**	D	Bulk	14.90	77360



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B3203

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
EXTENSION PIECE (Malleable Iron)					
3/8	**$ 5.00**	A	100	.18	12700
1/2	**7.60**	A	50	.37	12704
5/8	**9.80**	A	50	.42	12708
3/4	**14.40**	B	50	.56	12712
7/8	**19.50**	B	25	.75	12716

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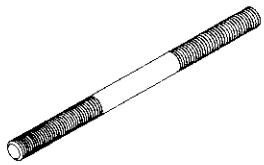

B3205

MACHINE THREADED ROD (THREADED BOTH ENDS)

Rod Size	Length	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs.	UPC No. 781011	Rod Size	Length	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs.	UPC No. 781011
3/8		**P.O.A**	D		.25	12810	3/8		**P.O.A**	D		1.13	13020
1/2		**P.O.A**	D		.45	12813	1/2		**P.O.A**	D		2.00	13023
5/8	8"	**P.O.A**	D	Bulk	.70	12816	5/8	36"	**P.O.A**	D	Bulk	3.13	13026
3/4		**P.O.A**	D		1.00	12819	3/4		**P.O.A**	D		4.51	13029
7/8		**P.O.A**	D		1.36	12822	7/8		**P.O.A**	D		6.13	13032
1		**P.O.A**	D		1.78	12825	1		**P.O.A**	D		8.01	13035
3/8		**P.O.A**	C		.31	12840	3/8		**P.O.A**	D		1.31	13050
1/2		**P.O.A**	D		.56	12843	1/2		**P.O.A**	D		2.34	13053
5/8	10"	**P.O.A**	D	Bulk	.87	12846	5/8	42"	**P.O.A**	D	Bulk	3.65	13056
3/4		**P.O.A**	D		1.25	12849	3/4		**P.O.A**	D		5.26	13059
7/8		**P.O.A**	D		1.70	12852	7/8		**P.O.A**	D		7.16	13062
1		**P.O.A**	D		2.23	12855	1		**P.O.A**	D		9.35	13065
3/8		**P.O.A**	C		.38	12870	3/8		**P.O.A**	D		1.50	13080
1/2		**P.O.A**	D		.67	12873	1/2		**P.O.A**	D		2.67	13083
5/8	12"	**P.O.A**	D	Bulk	1.04	12876	5/8	48"	**P.O.A**	D	Bulk	4.17	13086
3/4		**P.O.A**	D		1.50	12879	3/4		**P.O.A**	D		6.01	13089
7/8		**P.O.A**	D		2.05	12882	7/8		**P.O.A**	D		8.18	13092
1		**P.O.A**	D		2.67	12885	1		**P.O.A**	D		10.68	13095
3/8		**P.O.A**	D		.44	12900	3/8		**P.O.A**	D		1.69	13110
1/2		**P.O.A**	D		.78	12903	1/2		**P.O.A**	D		3.00	13113
5/8	14"	**P.O.A**	D	Bulk	1.22	12906	5/8	54"	**P.O.A**	D	Bulk	4.69	13116
3/4		**P.O.A**	D		1.75	12909	3/4		**P.O.A**	D		6.76	13119
7/8		**P.O.A**	D		2.39	12912	7/8		**P.O.A**	D		9.20	13122
1		**P.O.A**	D		3.12	12915	1		**P.O.A**	D		12.02	13125
3/8		**P.O.A**	D		.56	12930	3/8		**P.O.A**	D		1.88	13140
1/2		**P.O.A**	D		1.00	12933	1/2		**P.O.A**	D		3.34	13143
5/8	18"	**P.O.A**	D	Bulk	1.56	12936	5/8	60"	**P.O.A**	D	Bulk	5.22	13146
3/4		**P.O.A**	D		2.25	12939	3/4		**P.O.A**	D		7.51	13149
7/8		**P.O.A**	D		3.07	12942	7/8		**P.O.A**	D		10.22	13152
1		**P.O.A**	D		4.01	12945	1		**P.O.A**	D		13.35	13155
3/8		**P.O.A**	D		.75	12960	3/8		**P.O.A**	D		2.07	13170
1/2		**P.O.A**	D		1.34	12963	1/2		**P.O.A**	D		3.67	13173
5/8	24"	**P.O.A**	D	Bulk	2.09	12966	5/8	66"	**P.O.A**	D	Bulk	5.74	13176
3/4		**P.O.A**	D		3.00	12969	3/4		**P.O.A**	D		8.26	13179
7/8		**P.O.A**	D		4.09	12972	7/8		**P.O.A**	D		11.24	13182
1		**P.O.A**	D		5.34	12975	1		**P.O.A**	D		14.69	13185
3/8		**P.O.A**	D		.94	12990	3/8		**P.O.A**	D		2.25	13200
1/2		**P.O.A**	D		1.67	12993	1/2		**P.O.A**	D		4.01	13203
5/8	30"	**P.O.A**	D	Bulk	2.61	12996	5/8	72"	**P.O.A**	D	Bulk	6.26	13206
3/4		**P.O.A**	D		3.76	12999	3/4		**P.O.A**	D		9.01	13209
7/8		**P.O.A**	D		5.11	13002	7/8		**P.O.A**	D		12.27	13212
1		**P.O.A**	D		6.68	13005	1		**P.O.A**	D		16.02	13215

Above items are made special, minimum order shall be $50 net per size.

Consult Factory for rod sizes larger than shown in the above chart.

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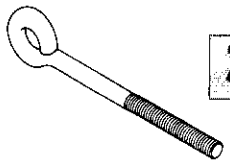
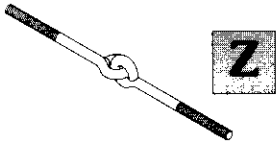


B3210
EYE ROD

Rod Size	Length	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs.	UPC No. 781011
3/8		**P.O.A.**	C		.32	13800
1/2		**P.O.A.**	D		.60	13803
5/8	8"	**P.O.A.**	D	Bulk	.98	13806
3/4		**P.O.A.**	D		1.49	13809
7/8		**P.O.A.**	D		2.13	13812
1		**P.O.A.**	D		2.87	13815
3/8		**P.O.A.**	D		.38	13830
1/2		**P.O.A.**	D		.71	13833
5/8	10"	**P.O.A.**	D	Bulk	1.16	13836
3/4		**P.O.A.**	D		1.74	13839
7/8		**P.O.A.**	D		2.47	13842
1		**P.O.A.**	D		3.31	13845
3/8		**P.O.A.**	D		.44	13860
1/2		**P.O.A.**	D		.82	13863
5/8	12"	**P.O.A.**	D	Bulk	1.33	13866
3/4		**P.O.A.**	D		2.00	13869
7/8		**P.O.A.**	D		2.81	13872
1		**P.O.A.**	D		3.76	13875
3/8		**P.O.A.**	D		.51	13890
1/2		**P.O.A.**	D		.93	13893
5/8	14"	**P.O.A.**	D	Bulk	1.51	13896
3/4		**P.O.A.**	D		2.25	13899
7/8		**P.O.A.**	D		3.15	13902
1		**P.O.A.**	D		4.20	13905
3/8		**P.O.A.**	D		.63	13920
1/2		**P.O.A.**	D		1.15	13923
5/8	18"	**P.O.A.**	D	Bulk	1.85	13926
3/4		**P.O.A.**	D		2.75	13929
7/8		**P.O.A.**	D		3.83	13932
1		**P.O.A.**	D		5.09	13935
3/8		**P.O.A.**	D		.82	13950
1/2		**P.O.A.**	D		1.49	13953
5/8	24"	**P.O.A.**	D	Bulk	2.37	13956
3/4		**P.O.A.**	D		3.50	13959
7/8		**P.O.A.**	D		4.86	13962
1		**P.O.A.**	D		6.43	13965
3/8		**P.O.A.**	D		1.01	13980
1/2		**P.O.A.**	D		1.82	13983
5/8	30"	**P.O.A.**	D	Bulk	2.90	13986
3/4		**P.O.A.**	D		4.25	13989
7/8		**P.O.A.**	D		5.88	13992
1		**P.O.A.**	D		7.76	13995
3/8		**P.O.A.**	D		1.19	14010
1/2		**P.O.A.**	D		2.16	14013
5/8	36"	**P.O.A.**	D	Bulk	3.42	14016
3/4		**P.O.A.**	D		5.00	14019
7/8		**P.O.A.**	D		6.90	14022
1		**P.O.A.**	D		9.10	14025
3/8		**P.O.A.**	D		1.38	14040
1/2		**P.O.A.**	D		2.49	14043
5/8	42"	**P.O.A.**	D	Bulk	3.94	14046
3/4		**P.O.A.**	D		5.75	14049
7/8		**P.O.A.**	D		7.29	14052
1		**P.O.A.**	D		10.43	14055
3/8		**P.O.A.**	D		1.57	14070
1/2		**P.O.A.**	D		2.82	14073
5/8	48"	**P.O.A.**	D	Bulk	4.46	14076
3/4		**P.O.A.**	D		6.50	14079
7/8		**P.O.A.**	D		8.95	14082
1		**P.O.A.**	D		11.77	14085
3/8		**P.O.A.**	D		1.76	14100
1/2		**P.O.A.**	D		3.16	14103
5/8	54"	**P.O.A.**	D	Bulk	4.88	14106
3/4		**P.O.A.**	D		7.25	14109
7/8		**P.O.A.**	D		9.97	14112
1		**P.O.A.**	D		13.10	14115
3/8		**P.O.A.**	D		1.94	14130
1/2		**P.O.A.**	D		3.49	14133
5/8	60"	**P.O.A.**	D	Bulk	5.50	14136
3/4		**P.O.A.**	D		8.00	14139
7/8		**P.O.A.**	D		10.99	14142
1		**P.O.A.**	D		14.44	14145
3/8		**P.O.A.**	D		2.13	14160
1/2		**P.O.A.**	D		3.82	14163
5/8	66"	**P.O.A.**	D	Bulk	6.02	14166
3/4		**P.O.A.**	D		8.75	14169
7/8		**P.O.A.**	D		12.01	14172
1		**P.O.A.**	D		15.77	14175
3/8		**P.O.A.**	D		2.32	14190
1/2		**P.O.A.**	D		4.16	14193
5/8	72"	**P.O.A.**	D	Bulk	6.55	14196
3/4		**P.O.A.**	D		9.51	14199
7/8		**P.O.A.**	D		13.03	14202
1		**P.O.A.**	D		17.11	14205

Above items are made special, minimum order shall be $50 net per size.

Consult Factory for rod sizes larger than shown in the above chart.



B3210X LINKED EYE ROD
P.O.A.

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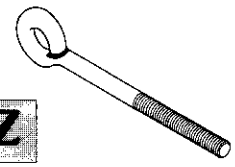
Pricing Schedule Shown in Shaded Box

B3211
WELDED EYE ROD



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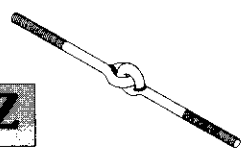
Rod Size	Length	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs.	UPC No. 781011	Rod Size	Length	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs.	UPC No. 781011
3/8		**P.O.A.**	C		.33	14290	3/8		**P.O.A.**	D		1.21	14500
1/2		**P.O.A.**	C		.62	14293	1/2		**P.O.A.**	D		2.18	14503
5/8	8"	**P.O.A.**	D	Bulk	1.01	14296	5/8	36"	**P.O.A.**	D	Bulk	3.44	14506
3/4		**P.O.A.**	C		1.52	14299	3/4		**P.O.A.**	D		5.03	14509
7/8		**P.O.A.**	D		2.16	14302	7/8		**P.O.A.**	D		6.93	14512
1		**P.O.A.**	D		2.90	14305	1		**P.O.A.**	D		9.14	14515
3/8		**P.O.A.**	D		.40	14320	3/8		**P.O.A.**	D		1.40	14530
1/2		**P.O.A.**	D		.73	14323	1/2		**P.O.A.**	D		2.51	14533
5/8	10"	**P.O.A.**	D	Bulk	1.18	14326	5/8	42"	**P.O.A.**	D	Bulk	3.96	14536
3/4		**P.O.A.**	D		1.77	14329	3/4		**P.O.A.**	D		5.77	14539
7/8		**P.O.A.**	D		2.51	14332	7/8		**P.O.A.**	D		7.96	14542
1		**P.O.A.**	D		3.35	14335	1		**P.O.A.**	D		10.47	14545
3/8		**P.O.A.**	D		.46	14350	3/8		**P.O.A.**	D		1.58	14560
1/2		**P.O.A.**	D		.84	14353	1/2		**P.O.A.**	D		2.84	14563
5/8	12"	**P.O.A.**	D	Bulk	1.36	14356	5/8	48"	**P.O.A.**	D	Bulk	4.48	14566
3/4		**P.O.A.**	D		2.02	14359	3/4		**P.O.A.**	D		6.63	14569
7/8		**P.O.A.**	D		2.85	14362	7/8		**P.O.A.**	D		8.98	14572
1		**P.O.A.**	D		3.79	14365	1		**P.O.A.**	D		11.81	14575
3/8		**P.O.A.**	C		.52	14380	3/8		**P.O.A.**	D		1.77	14590
1/2		**P.O.A.**	D		.95	14383	1/2		**P.O.A.**	D		3.18	14593
5/8	14"	**P.O.A.**	D	Bulk	1.53	14386	5/8	54"	**P.O.A.**	D	Bulk	5.01	14596
3/4		**P.O.A.**	D		2.27	14389	3/4		**P.O.A.**	D		7.28	14599
7/8		**P.O.A.**	D		3.19	14392	7/8		**P.O.A.**	D		10.00	14602
1		**P.O.A.**	D		4.24	14395	1		**P.O.A.**	D		13.14	14605
3/8		**P.O.A.**	D		.65	14410	3/8		**P.O.A.**	D		1.96	14620
1/2		**P.O.A.**	D		1.17	14413	1/2		**P.O.A.**	D		3.51	14623
5/8	18"	**P.O.A.**	D	Bulk	1.88	14416	5/8	60"	**P.O.A.**	D	Bulk	5.53	14626
3/4		**P.O.A.**	D		2.78	14419	3/4		**P.O.A.**	D		8.03	14629
7/8		**P.O.A.**	D		3.87	14422	7/8		**P.O.A.**	D		11.02	14632
1		**P.O.A.**	C		5.13	14425	1		**P.O.A.**	D		14.48	14635
3/8		**P.O.A.**	D		.83	14440	3/8		**P.O.A.**	D		2.15	14650
1/2		**P.O.A.**	D		1.51	14443	1/2		**P.O.A.**	D		3.84	14653
5/8	24"	**P.O.A.**	D	Bulk	2.40	14446	5/8	66"	**P.O.A.**	D	Bulk	6.05	14656
3/4		**P.O.A.**	D		3.53	14449	3/4		**P.O.A.**	D		8.78	14659
7/8		**P.O.A.**	D		4.89	14452	7/8		**P.O.A.**	D		12.05	14662
1		**P.O.A.**	D		6.46	14455	1		**P.O.A.**	D		15.81	14665
3/8		**P.O.A.**	D		1.02	14470	3/8		**P.O.A.**	D		2.33	14680
1/2		**P.O.A.**	D		1.84	14473	1/2		**P.O.A.**	D		4.18	14683
5/8	30"	**P.O.A.**	D	Bulk	2.92	14476	5/8	72"	**P.O.A.**	D	Bulk	6.57	14686
3/4		**P.O.A.**	D		4.28	14479	3/4		**P.O.A.**	D		9.53	14689
7/8		**P.O.A.**	D		5.91	14482	7/8		**P.O.A.**	D		13.07	14692
1		**P.O.A.**	D		7.80	14485	1		**P.O.A.**	D		17.15	14695

Above items are made special, minimum order shall be $50 net per size.

Consult Factory for rod sizes larger than shown in the above chart.

B3211X WELDED LINKED EYE ROD

P.O.A.



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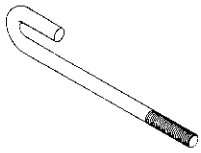
Pricing Schedule Shown in Shaded Box



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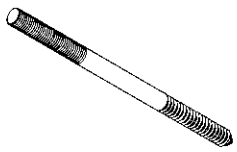
B3212
J-BOLT

Rod Size	Length	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs.	UPC No. 781011
3/8		**P.O.A.**	D		.17	14720
1/2		**P.O.A.**	D		.33	14723
5/8	4"	**P.O.A.**	D	Bulk	.55	14726
3/4		**P.O.A.**	D		.82	14729
7/8		**P.O.A.**	D		1.17	14732
3/8		**P.O.A.**	D		.19	14740
1/2		**P.O.A.**	D		.38	14743
5/8	5"	**P.O.A.**	D	Bulk	.62	14746
3/4		**P.O.A.**	D		.92	14749
7/8		**P.O.A.**	D		1.31	14752
3/8		**P.O.A.**	D		.21	14760
1/2		**P.O.A.**	D		.42	14763
5/8	6"	**P.O.A.**	D	Bulk	.69	14766
3/4		**P.O.A.**	D		1.03	14769
7/8		**P.O.A.**	D		1.45	14772
3/8		**P.O.A.**	C		.24	14780
1/2		**P.O.A.**	D		.47	14783
5/8	7"	**P.O.A.**	D	Bulk	.77	14786
3/4		**P.O.A.**	D		1.13	14789
7/8		**P.O.A.**	D		1.59	14792
3/8		**P.O.A.**	D		.26	14800
1/2		**P.O.A.**	D		.52	14803
5/8	8"	**P.O.A.**	D	Bulk	.84	14806
3/4		**P.O.A.**	C		1.24	14809
7/8		**P.O.A.**	D		1.74	14812
3/8		**P.O.A.**	D		.31	14820
1/2		**P.O.A.**	D		.61	14823
5/8	10"	**P.O.A.**	D	Bulk	.98	14826
3/4		**P.O.A.**	D		1.44	14829
7/8		**P.O.A.**	D		2.02	14832
3/8		**P.O.A.**	D		.36	14840
1/2		**P.O.A.**	D		.70	14843
5/8	12"	**P.O.A.**	D	Bulk	1.13	14846
3/4		**P.O.A.**	D		1.65	14849
7/8		**P.O.A.**	D		2.31	14852

Above items are made special, minium order shall be $50 net per size.



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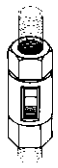
B3213
COACH SCREW ROD

Rod Size	Length	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
3/8	3 1/2"	**$ 2.70**	A	Bulk	.12	14897
3/8	6"	**3.10**	B	100	.16	14900
3/8	8"	**5.00**	B	100	.22	14903
3/8	10"	**5.40**	D	100	.29	14906
3/8	12"	**5.90**	C	Bulk	.35	14909
1/2	3 1/2"	**4.60**	B	100	.18	14917
1/2	6"	**7.20**	C	100	.29	14920
1/2	8"	**7.70**	B	100	.40	14923
1/2	10"	**13.60**	D	100	.51	14926
1/2	12"	**15.10**	D	Bulk	.62	14929



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B3220
ROD COUPLING
(Malleable Iron)

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/4	**$ 2.30**	**$ 2.50**	C	100	.06	15300	15301
3/8 x 1/4	**3.40**	**3.60**	A	100	.11	15340	15341
3/8	**2.40**	**2.60**	A	100	.10	15304	15305
1/2 x 3/8	**3.80**	**5.10**	A	50	.20	15344	15345
1/2	**3.20**	**3.70**	A	50	.20	15308	15309
5/8	**3.70**	**4.70**	B	40	.32	15312	15313
3/4	**5.10**	**6.50**	B	25	.44	15316	15317
7/8	**8.50**	**11.70**	C	25	.95	15320	15321
1	**11.50**	**14.70**	C	Bulk	1.00	15360	15361

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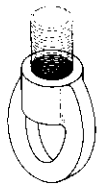
Pricing Schedule Shown in Shaded Box

B3222



EYE SOCKET
(Malleable Iron)

Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/4	**$ 2.30**	**$ 2.60**	C	100	.06	15450	15451
3/8	**2.40**	**2.80**	A	100	.09	15454	15455
1/2	**2.80**	**3.60**	A	100	.16	15458	15459
5/8	**5.90**	**7.20**	B	50	.21	15462	15463
3/4	**9.60**	**10.90**	B	50	.38	15466	15467
7/8	**12.70**	**14.10**	C	25	.44	15470	15471

Z

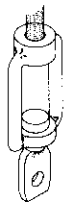
B3223-3/8

OFFSET EYE SOCKET

Rod Size	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	**$ 2.00**	A	100	.06	01661

Z

B3224

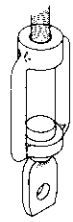


HANGER ADJUSTER
(Malleable Iron)

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/4	**$ 7.80**	D	50	.09	15520
3/8	**7.80**	A	50	.28	15523
1/2	**9.70**	B	50	.29	15526
5/8	**16.40**	C	25	.30	15529
3/4	**20.50**	C	25	.74	15532

Z

B3224CT

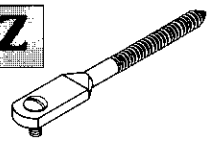


COPPER COATED HANGER ADJUSTER
(Malleable Iron)
Dura-Copper®

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	**$ 16.00**	B	Bulk	.28	15524
1/2	**20.10**	D	Bulk	.29	15527

Z

B3227



FLATTENED END LAG SCREW

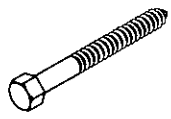
Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/4	**$ 6.30**	C	100	.04	15620
5/16	**8.30**	C	100	.07	15624
3/8	**9.10**	C	100	.11	15628

Z

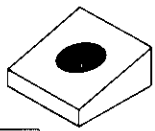
B3228 HEX HEAD LAG SCREW

P.O.A.

Z



B3234



BEVEL WASHER
(Malleable Iron)

Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
3/8	**$ 3.60**	C	Bulk	.09	16100
1/2	**3.60**	C	Bulk	.09	16104
5/8	**5.10**	C	Bulk	.14	16108
3/4	**5.20**	C	Bulk	.16	16112
7/8	**9.10**	C	Bulk	.33	16116
1	**9.70**	C	Bulk	.31	16120

Z

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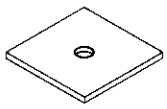
B3248



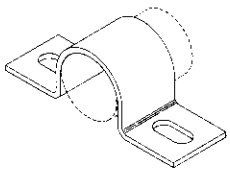
STEEL WASHER PLATE

Specify hole size when ordering.

Example:
B3248-2 x 2 x 1/4
PLN 9/16 H

Washer Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
2 x 2 x 1/8	**$ 1.40**	D	Bulk	.14	
3 x 3 x 1/8	**3.20**	D	Bulk	.32	
4 x 4 x 1/8	**5.50**	D	Bulk	.57	
5 x 5 x 1/8	**7.00**	D	Bulk	.87	
6 x 6 x 1/8	**10.00**	D	Bulk	1.28	
2 x 2 x 3/16	**1.50**	D	Bulk	.21	
3 x 3 x 3/16	**3.70**	C	Bulk	.48	
4 x 4 x 3/16	**7.80**	D	Bulk	.84	
5 x 5 x 3/16	**10.50**	D	Bulk	1.44	
6 x 6 x 3/16	**15.10**	D	Bulk	1.91	
2 x 2 x 1/4	**1.90**	C	Bulk	.28	Depends
3 x 3 x1/4	**5.20**	D	Bulk	.64	Upon
4 x 4 x 1/4	**9.50**	D	Bulk	1.13	Hole
5 x 5 x 1/4	**12.20**	D	Bulk	1.77	Size
6 x 6 x 1/4	**17.70**	D	Bulk	2.55	In Plate
3 x 3 x 3/8	**5.90**	C	Bulk	.96	
4 x 4 x 3/8	**10.60**	D	Bulk	1.70	
5 x 5 x 3/8	**17.10**	D	Bulk	2.66	
6 x 6 x 3/8	**26.40**	D	Bulk	3.83	
4 x 4 x 1/2	**14.10**	D	Bulk	2.26	
5 x 5 x 1/2	**25.80**	D	Bulk	3.54	
6 x 6 x 1/2	**34.00**	D	Bulk	5.10	
8 x 8 x 1/2	**60.20**	D	Bulk	9.06	

B3252



PIPE GUIDE

NOTE: This item does not clamp tight on pipe.

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1 1/2	**$ 63.20**	C	Bulk	2.19	16244
2	**64.10**	C	Bulk	2.41	16245
2 1/2	**66.10**	D	Bulk	2.69	16246
3	**74.90**	C	Bulk	4.57	16247
3 1/2	**79.70**	C	Bulk	4.98	16248
4	**82.50**	C	Bulk	5.48	16249
5	**86.00**	D	Bulk	6.39	16250
6	**97.90**	C	Bulk	7.29	16251
8	**104.20**	B	Bulk	8.76	16252
10	**123.90**	C	Bulk	10.58	16253
12	**137.20**	C	Bulk	12.24	16254
14	**141.30**	D	Bulk	13.52	16255
16	**167.10**	D	Bulk	15.04	16256
18	**185.70**	D	Bulk	16.68	16257
20	**204.40**	D	Bulk	18.32	16258
24	**231.20**	D	Bulk	21.61	16259
30	**397.30**	D	Bulk	35.26	16260

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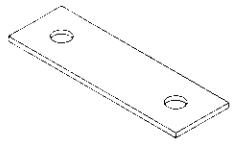
Pricing Schedule Shown in Shaded Box

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1 1/2	**$ 17.60**	D	Bulk	1.71	16288
2	**18.60**	D	Bulk	1.82	16289
2 1/2	**19.80**	D	Bulk	1.92	16290
3	**20.50**	C	Bulk	2.13	16291
3 1/2	**23.00**	D	Bulk	2.24	16292
4	**25.20**	D	Bulk	2.45	16293
5	**27.40**	D	Bulk	2.66	16294
6	**29.50**	D	Bulk	2.87	16295
8	**34.00**	C	Bulk	3.30	16296
10	**38.30**	C	Bulk	3.72	16297
12	**42.60**	D	Bulk	4.15	16298
14	**47.00**	D	Bulk	4.58	16299
16	**50.60**	D	Bulk	4.93	16300
18	**55.00**	D	Bulk	5.35	16301
20	**59.50**	D	Bulk	5.78	16302
24	**68.20**	D	Bulk	6.63	16303
30	**81.20**	D	Bulk	7.91	16304

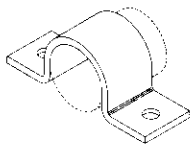
B3253

BASE PLATE FOR B3252



Z

NOTE: This item does not clamp tight on pipe.



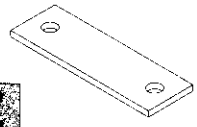
Z

B3256 HOLD DOWN ANCHOR CLAMP

P.O.A.

B3257 BASE PLATE FOR B3256

P.O.A.



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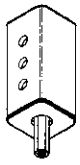


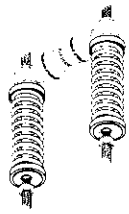
Z

B3262 LIGHT DUTY SPRING HANGER

P.O.A.

B3264 SPRING CUSHION HANGER

P.O.A.



Z

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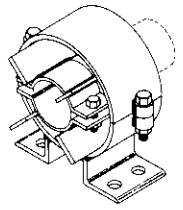
B3281 thru B3287



PIPE ALIGNMENT GUIDE

Standard Finish: Red Primer (RP)

For copper tubing sizes add "CT" to the Figure #

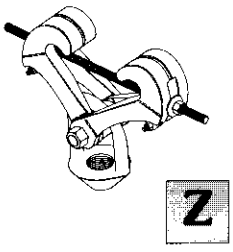
Stainless Steel Available

B3281	1" Thick Insulation
B3282	1 1/2" Thick Insulation
B3283	2" Thick Insulation
B3284	2 1/2" Thick Insulation
B3285	3" Thick Insulation
B3286	3 1/2" Thick Insulation
B3287	4" Thick Insulation

Pipe Size	B3281 Price Each	B3281 Wt. Lbs.	B3282 Price Each	B3282 Wt. Lbs.	B3283 Price Each	B3283 Wt. Lbs.	B3284 Price Each	B3284 Wt. Lbs.	B3285 Price Each	B3285 Wt. Lbs.	B3286 Price Each	B3286 Wt. Lbs.	B3287 Price Each	B3287 Wt. Lbs.
1/2	$ 191.90	6	$ 191.90	6	$ 210.60	8	$ 213.50	10	$ 225.90	12	$ 225.90	12	$ 261.10	20
3/4	191.90	6	210.60	8	213.50	10	225.90	12	225.90	12	261.10	20	261.10	20
1	191.90	6	210.60	8	213.50	10	225.90	12	225.90	12	261.10	20	261.10	20
1 1/4	191.90	6	210.60	8	213.50	10	225.90	12	225.90	12	261.10	20	261.10	20
1 1/2	210.60	8	210.60	8	213.50	10	225.90	12	225.90	12	261.10	20	261.10	20
2	213.50	10	213.50	10	225.90	12	225.90	12	261.10	20	261.10	20	290.00	24
2 1/2	213.50	10	213.50	10	225.90	12	225.90	12	261.10	20	261.10	20	290.00	24
3	213.50	10	225.90	12	225.90	12	261.10	20	261.10	20	290.00	24	290.00	24
4	225.90	12	225.90	12	261.10	20	261.10	20	290.00	24	290.00	24	322.00	40
5	261.10	20	261.10	20	261.10	20	290.00	24	290.00	24	306.70	40	564.50	45
6	261.10	20	261.10	20	290.00	24	290.00	24	306.70	40	564.50	45	564.50	45
8	290.00	24	290.00	24	306.70	40	564.50	45	564.50	45	869.00	55	869.00	55
10	564.50	45	564.50	45	564.50	45	869.00	55	869.00	55	1068.00	65	1068.00	65
12	869.00	55	869.00	55	869.00	55	1068.00	65	1068.00	65	1292.30	75	1292.30	75
14	1068.00	65	1068.00	65	1068.00	65	1068.00	65	1292.30	75	1292.30	75	1390.20	125
16	1292.30	75	1292.30	75	1292.30	75	1292.30	75	1390.20	125	1390.20	125	1468.60	140
18	1390.20	125	1390.20	125	1390.20	125	1390.20	125	1468.60	140	1468.60	140	1876.40	175
20	1468.60	140	1468.60	140	1468.60	140	1468.60	140	1876.40	175	1876.40	175		–
24	1876.40	175	1876.40	175	1876.40	175	1876.40	175	--	--		--		–

Consult Factory for UPC Numbers.
* All items are Stock Class C *

B3291, B3292, B3293, B3294
B3295, B3296, B3297, B3298
UFS FORGED STEEL BEAM CLAMP



Specify Rod Size

* Furnished with links.

Figure Number	Available Rod Size	Price Ea. PLN	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011
B3291	3/8 thru 3/4	$ 185.70	C	50	3.91	
B3292	3/8 thru 1	266.20	D	50	8.11	Consult
B3293*	3/8 thru 1	419.00	D	50	12.05	Factory
B3294	7/8, 1	501.50	C	50	22.10	For
B3295*	7/8, 1	647.10	B	25	33.48	UPC
B3296	1 1/8, 1 1/4, 1 1/2	715.20	C	25	24.06	Numbers
B3297*	1 1/8, 1 1/4, 1 1/2	803.00	D	25	35.44	
B3298	1 3/4, 2	857.70	D	20	38.85	

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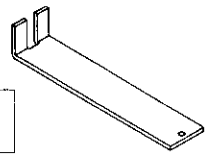
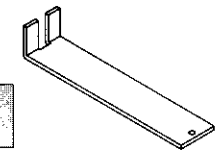
Pricing Schedule Shown in Shaded Box

B3362, B3363
RETAINING STRAP
Bulk Pack



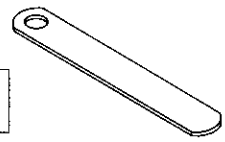
Length	B3362 (Stock Class A) Price Ea. PLN	Stock Class	Weight Ea. Lbs.	UPC No. 781011	B3363 (Stock Class A) Price Ea PLN	Stock Class	Weight Ea. Lbs.	UPC No. 781011
6	**$ 1.80**	C	.27	70924	**$ 1.80**	C	.26	70969
8	**2.30**	B	.35	70929	**2.30**	B	.35	70974
10	**2.60**	B	.44	70938	**2.60**	C	.43	70979
12	**3.30**	B	.52	70944	**3.30**	C	.52	70984
Use With	B351-3/8 & 1/2				B351-5/8 & 3/4 B3036-3/8 & 1/2			

B3364, B3365
RETAINING STRAP
Bulk Pack



Length	B3364 (Stock Class A) Price Ea. PLN	Stock Class	Weight Ea. Lbs.	UPC No. 781011	B3365 (Stock Class A) Price Ea PLN	Stock Class	Weight Ea. Lbs.	UPC No. 781011
6	**$ 1.90**	C	.26	71029	**$ 2.00**	C	.32	71069
8	**2.50**	C	.35	71034	**2.50**	C	.42	71074
10	**2.80**	D	.43	71039	**2.80**	C	.52	71081
12	**3.60**	C	.52	71044	**3.80**	C	.62	71084
Use With	B3036-5/8 & 3/4				B351-7/8			

B3367
RETAINING STRAP
For B3031, B3033 & B3034 series beam clamp.



Rod Size	6" Length Price Ea. PLN	Wt. Ea. Lbs.	UPC No. 781011	8"Length Price Ea. PLN	Wt. Ea. Lbs.	UPC No. 781011	10"Length Price Ea PLN	Wt. Ea. Lbs.	UPC No. 781011	12"Length Price Ea. PLN	Wt. Ea. Lbs.	UPC No. 781011	Stock Class
3/8	**$1.80**	.25	71100	**$2.30**	.33	71120	**$2.60**	.42	71140	**$3.30**	.50	71155	B
1/2	**1.80**	.24	71105	**2.30**	.33	71125	**2.60**	.41	71143	**3.30**	.49	71160	B
5/8	**1.80**	.24	71110	**2.30**	.32	71130	**2.60**	.41	71145	**3.30**	.49	71165	C
3/4	**1.80**	.23	71115	**2.30**	.32	71135	**2.60**	.40	71150	**3.30**	.49	71170	C

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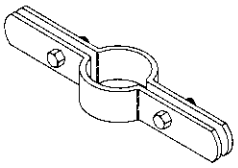
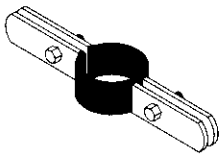
Pricing Schedule Shown in Shaded Box



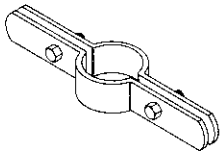
X

B3373	Hanger Size	Price Ea. PLN	Price Ea. ZNPLT	Price Ea. GRN	Stock Class	Std. Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT	UPC No. 781011 GRN
STANDARD RISER CLAMP	1/2	$ 5.90	$ 10.00	$ 9.00	A	25	1.03	72000	72001	71999
	3/4	5.90	10.00	9.00	A	25	1.06	72010	72011	72012
	1	6.00	10.10	9.10	A	25	1.11	72020	72021	72019
	1 1/4	7.60	13.50	12.10	A	20	1.14	72030	72031	72029
For Plastic-Coated see B3373C.	1 1/2	8.10	14.30	12.80	A	20	1.20	72040	72041	72039
	2	8.30	14.90	13.40	A	20	1.67	72050	72051	72049
	2 1/2	8.70	15.60	14.00	A	15	1.77	72060	72061	72059
	3	9.30	16.80	15.10	A	15	1.91	72070	72071	72069
	3 1/2	11.50	21.40	19.20	B	10	2.16	72080	72081	72079
	4	11.70	22.20	19.90	A	10	2.27	72090	72091	72089
	5	17.10	32.00	28.80	A	Bulk	4.71	72100	72101	72099
	6	19.70	35.60	32.00	A	Bulk	5.18	72110	72111	72109
	8	31.60	61.50	56.30	A	Bulk	9.50	72120	72121	72118
	10	43.80	80.00	72.00	A	Bulk	13.99	72130	72131	78341
	12	53.00	104.10	93.70	A	Bulk	16.50	72140	72141	78364
	14	101.80	186.60	167.90	A	Bulk	17.09	72150	72151	78380
	16	234.80	368.90	332.00	A	Bulk	32.50	72160	72161	78388
	18	258.60	396.80	357.10	B	Bulk	33.75	72170	72171	78414
	20	299.40	441.60	397.40	B	Bulk	35.00	72180	72181	78451



Z

B3373C	Tubing Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
RISER CLAMP PLASTIC COATED	1/2	$ 16.50	C	Bulk	1.03	72200
	3/4	16.50	C	Bulk	1.06	72203
	1	18.50	C	Bulk	1.11	72206
	1 1/4	21.40	C	Bulk	1.14	72209
Plastic coating on clamp as shown.	1 1/2	23.20	C	Bulk	1.20	72212
	2	25.40	B	Bulk	1.67	72215
	2 1/2	28.00	C	Bulk	1.77	72218
	3	32.00	B	Bulk	1.91	72221
	3 1/2	41.00	D	Bulk	2.16	72224
	4	43.30	C	Bulk	2.27	72227
	5	55.90	C	Bulk	4.86	72230
	6	65.80	C	Bulk	5.37	72233



X

B3373CT	Tubing Size	Price Ea. DCU	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
COPPER TUBING RISER CLAMP	1/2	$ 8.30	A	50	.70	72260
	3/4	8.30	A	50	.72	72263
	1	8.30	A	25	.76	72266
	1 1/4	8.30	A	25	.78	72269
Dura-Copper®	1 1/2	11.20	A	25	1.13	72272
	2	11.70	A	20	1.23	72275
For Plastic-Coated see B3373CTC.	2 1/2	15.10	A	25	1.30	72278
	3	16.90	A	25	1.38	72281
	3 1/2	19.10	C	20	1.46	72284
	4	20.20	A	20	1.72	72287

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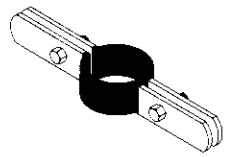
Pricing Schedule Shown in Shaded Box

B3373CTC

COPPER TUBING RISER CLAMP PLASTIC COATED



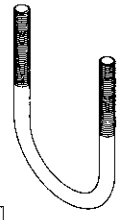
Plastic coating on clamp as shown.

Z

Pipe Size	Price Ea. DCU	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 19.30**	B	Bulk	.70	72261
3/4	**19.90**	B	Bulk	.72	72264
1	**20.90**	B	Bulk	.89	72267
1 1/4	**23.00**	C	Bulk	.91	72270
1 1/2	**26.90**	B	Bulk	1.34	72273
2	**29.20**	B	Bulk	1.45	72276
2 1/2	**32.80**	B	Bulk	1.55	72279
3	**36.90**	B	Bulk	1.60	72282
3 1/2	**46.90**	D	Bulk	1.74	72285
4	**50.70**	B	Bulk	2.08	72288

B3501

LIGHT DUTY U-BOLT



Order Hex Nuts Separately

Z

Pipe Size	Rod Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
1/2	1/4	**$ 1.90**	**$ 2.40**	C	50	.06	43000	43001
3/4	1/4	**2.00**	**2.50**	C	50	.07	43005	43006
1	1/4	**2.10**	**2.50**	C	50	.07	43010	43011
1 1/4	1/4	**2.30**	**2.80**	C	25	.08	43015	43016
1 1/2	1/4	**2.40**	**3.00**	C	50	.09	43020	43021
2	1/4	**2.50**	**3.10**	B	20	.10	43025	43026
2 1/2	3/8	**3.50**	**5.00**	B	25	.30	43030	43031
3	3/8	**3.50**	**5.10**	B	25	.34	43035	43036
3 1/2	3/8	**3.90**	**5.50**	D	25	.38	43040	43041
4	3/8	**4.10**	**5.90**	B	10	.41	43045	43046
5	3/8	**5.50**	**7.80**	C	10	.49	43050	43051
6	1/2	**7.50**	**11.90**	B	10	.98	43555	43056
8	1/2	**9.00**	**14.70**	C	Bulk	1.22	43560	43061
10	5/8	**15.70**	**25.60**	C	Bulk	2.37	43068	43070

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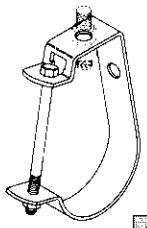
Pricing Schedule Shown in Shaded Box

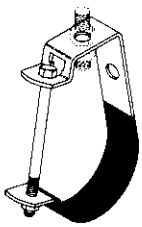


Y

B3690

ADJUSTABLE "J" HANGER

Pipe Size	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 2.10**	D	50	.20	56800
3/4	**2.10**	D	50	.23	56804
1	**2.10**	D	50	.24	56808
1 1/4	**2.20**	D	50	.27	56812
1 1/2	**2.40**	D	50	.29	56816
2	**3.00**	D	50	.32	56820
2 1/2	**5.60**	D	25	.71	56824
3	**6.00**	D	20	.77	56828
3 1/2	**8.30**	D	20	.84	56832
4	**8.60**	D	10	1.39	56836
5	**24.50**	D	Bulk	1.66	56840
6	**24.50**	D	Bulk	2.26	56844
8	**32.70**	D	Bulk	3.32	56848



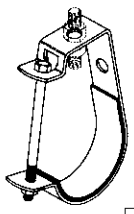
Z

B3690C

ADJUSTABLE "J" HANGER PLASTIC COATED

Plastic coating on lower band of hanger.

Pipe Size	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 5.40**	B	Bulk	.20	56760
3/4	**5.40**	B	Bulk	.23	56767
1	**5.40**	B	Bulk	.24	56768
1 1/4	**5.50**	B	Bulk	.27	56769
1 1/2	**5.90**	B	Bulk	.29	56772
2	**6.70**	B	Bulk	.32	56775
2 1/2	**11.80**	C	Bulk	.71	56778
3	**12.30**	B	Bulk	.77	56781
3 1/2	**15.80**	D	Bulk	.84	56784
4	**16.20**	B	Bulk	1.39	56787
5	**26.20**	C	Bulk	1.66	56790
6	**26.60**	B	Bulk	2.26	56793
8	**34.20**	C	Bulk	3.32	56796



Y

B3690F

ADJUSTABLE "J" HANGER ZNPLT/FELT LINED

Pipe Size	Price Ea. PLN	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
1/2	**$ 3.90**	D	50	.21	56801
3/4	**3.90**	D	50	.24	56805
1	**3.90**	D	50	.25	56809
1 1/4	**4.10**	D	50	.28	56813
1 1/2	**4.40**	D	50	.29	56817
2	**4.90**	D	50	.33	56821
2 1/2	**8.70**	D	25	.73	56825
3	**9.10**	D	20	.79	56829
3 1/2	**11.60**	D	20	.86	56833
4	**11.90**	D	15	1.42	56837
5	**27.70**	D	Bulk	1.69	56841
6	**28.10**	D	Bulk	2.29	56845
8	**36.10**	D	Bulk	3.35	56849

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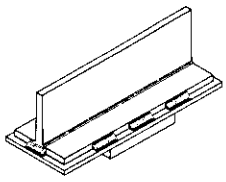
Pricing Schedule Shown in Shaded Box



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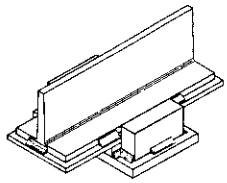

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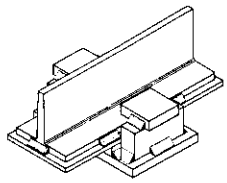

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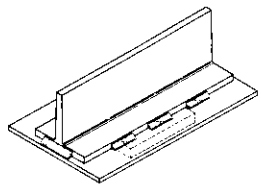

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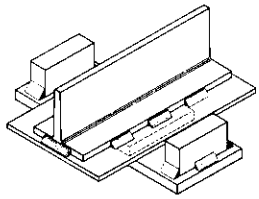

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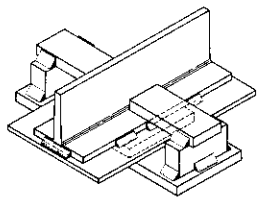

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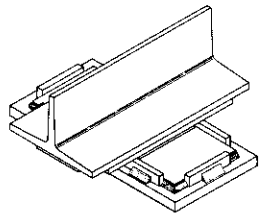

B3897

Z

B3891, B3892, B3893, B3894, B3895, B3896, B3897

TEFLON PIPE SLIDE ASSEMBLY

Order by Figure #,Pipe Size, Finish, and travel.
Example: B3891-8 PLN 15

All Slides Made To Order & Bulk Packed
All weights are approximate.

Other Styles Available Per Customer Specifications

UP THRU 8" PIPE SIZE

Figure No.	5" travel Price Each PLN	Stock Class	Wt. Each Lbs.	10" travel Price Each PLN	Stock Class	Wt. Each Lbs.	15" travel Price Each PLN	Stock Class	Wt. Each Lbs.	20" travel Price Each PLN	Stock Class	Wt. Each Lbs.
B3891	**P.O.A.**	C	9.5	**P.O.A.**	C	13.5	**P.O.A.**	C	17.6	**P.O.A.**	C	21.6
B3892	**P.O.A.**	C	14.5	**P.O.A.**	C	18.5	**P.O.A.**	C	22.6	**P.O.A.**	C	26.6
B3893	**P.O.A.**	C	15.5	**P.O.A.**	C	19.5	**P.O.A.**	C	23.6	**P.O.A.**	C	27.6
B3894	**P.O.A.**	C	11.0	**P.O.A.**	C	15.7	**P.O.A.**	C	20.5	**P.O.A.**	C	25.2
B3895	**P.O.A.**	C	18.0	**P.O.A.**	C	22.6	**P.O.A.**	C	27.4	**P.O.A.**	C	32.1
B3896	**P.O.A.**	C	19.6	**P.O.A.**	C	24.3	**P.O.A.**	C	29.1	**P.O.A.**	C	33.8
B3897	**P.O.A.**	C	27.0	**P.O.A.**	C	27.0	**P.O.A.**	C	27.0	**P.O.A.**	C	27.0

10" THRU 24" PIPE SIZE

Figure No.	5" travel Price Each PLN	Stock Class	Wt. Each Lbs.	10" travel Price Each PLN	Stock Class	Wt. Each Lbs.	15" travel Price Each PLN	Stock Class	Wt. Each Lbs.	20" travel Price Each PLN	Stock Class	Wt. Each Lbs.
B3891	**P.O.A.**	C	16.0	**P.O.A.**	C	21.4	**P.O.A.**	C	26.9	**P.O.A.**	C	32.3
B3892	**P.O.A.**	C	23.5	**P.O.A.**	C	38.9	**P.O.A.**	C	34.4	**P.O.A.**	C	39.8
B3893	**P.O.A.**	C	24.3	**P.O.A.**	C	29.7	**P.O.A.**	C	35.1	**P.O.A.**	C	40.5
B3894	**P.O.A.**	C	17.5	**P.O.A.**	C	23.6	**P.O.A.**	C	29.8	**P.O.A.**	C	35.9
B3895	**P.O.A.**	C	28.4	**P.O.A.**	C	34.5	**P.O.A.**	C	40.7	**P.O.A.**	C	46.8
B3896	**P.O.A.**	C	30.0	**P.O.A.**	C	36.0	**P.O.A.**	C	42.2	**P.O.A.**	C	48.3
B3897	**P.O.A.**	C	38.0	**P.O.A.**	C	38.0	**P.O.A.**	C	38.0	**P.O.A.**	C	38.0

Consult Factory for DCI Numbers.

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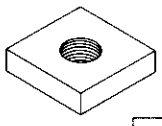
Z

DS16x2	Price Ea. ZNPLT	Stock Class	Standard Pack	Weight Ea. Lbs	UPC No. 781011
DRIVE SCREW	**$ 1.20**	B	100	.01	42022



Z

N2500	Nut Size	Price Ea. PLN	Price Ea. ZNPLT	Stock Class	Standard Pack	Wt. Ea. Lbs	UPC No. 781011 PLN	UPC No. 781011 ZNPLT
STEEL INSERT NUT (For B2500)	1/4	**$ .90**	**$ 1.70**	A	100	.13	36011	36013
	3/8	**.90**	**1.70**	A	100	.12	36021	36023
	1/2	**.90**	**1.70**	A	100	.12	36031	36033
	5/8	**.90**	**1.70**	B	100	.11	36041	36043
	3/4	**.90**	**1.70**	B	100	.11	36051	36053
	7/8	**.90**	**1.70**	B	100	.09	36061	36063

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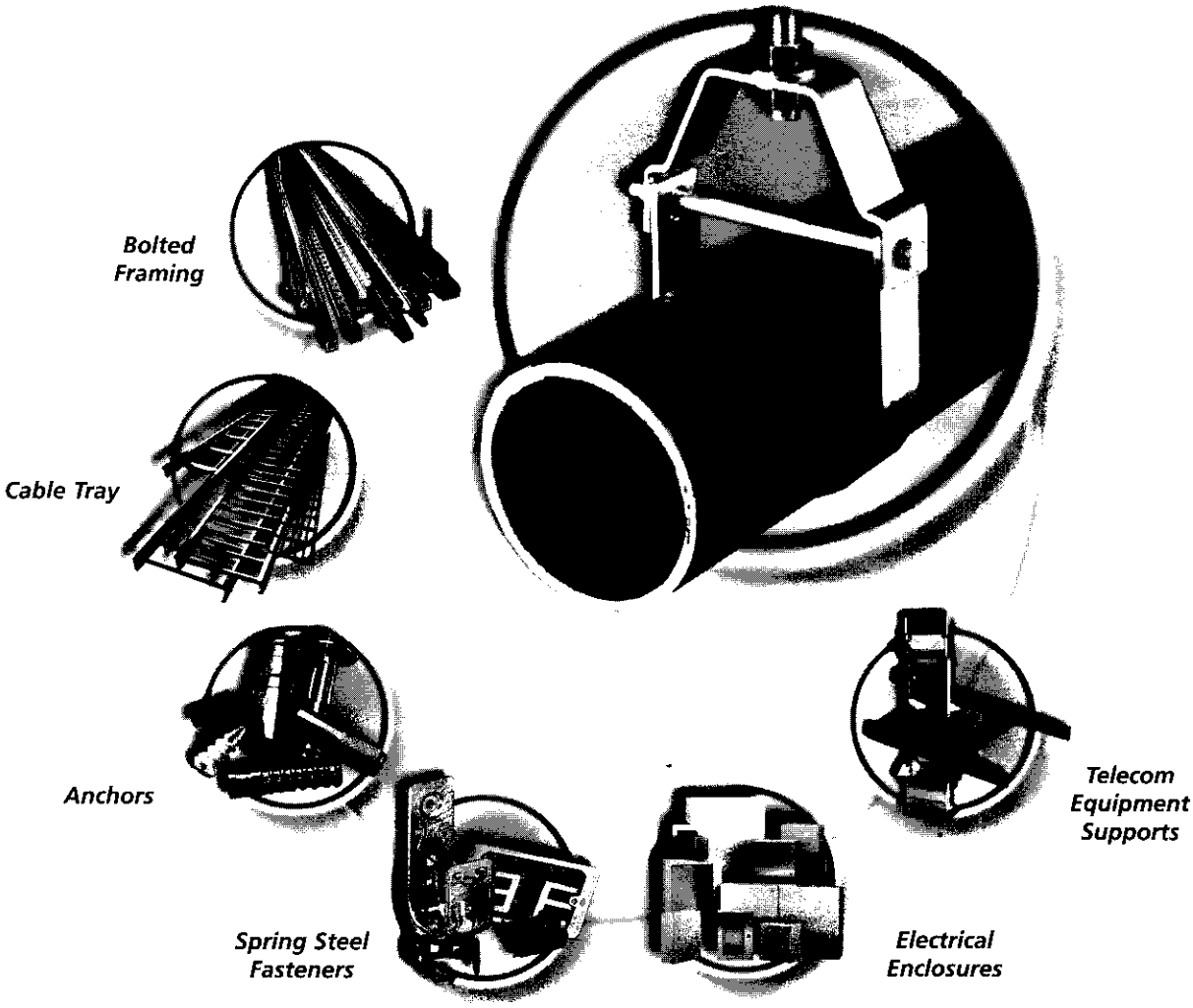

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SYSTEMS THAT MAKE SENSE

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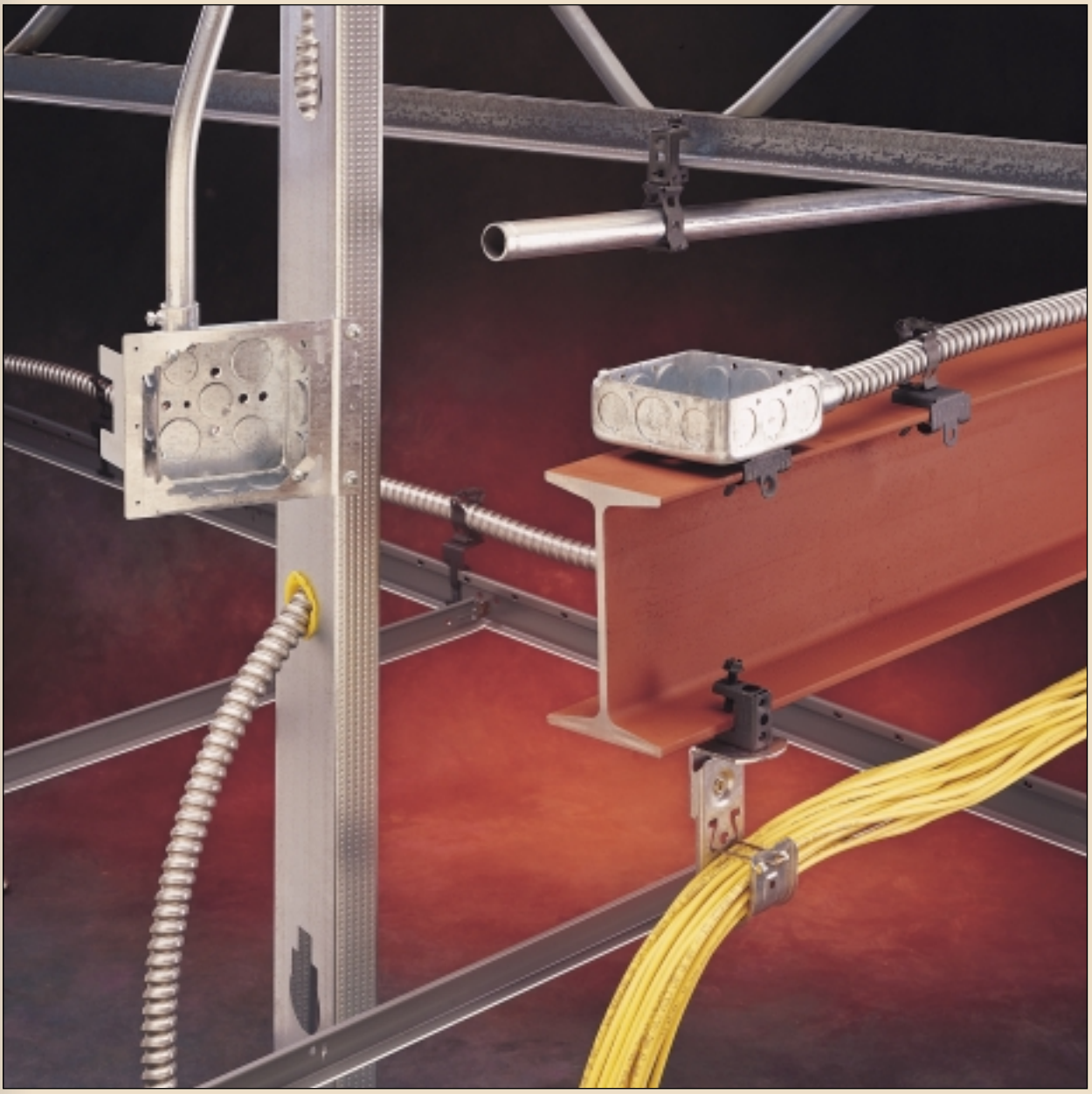
SPRING STEEL FASTENERS



B-Line®

SYSTEMS THAT MAKE SENSE

COOPER B-Line

INTRODUCTION

B-Line has long been a leading manufacturer of support systems and electrical enclosures for the mechanical, electrical and telecommunications industries. Our products are used in industrial, commercial utility and OEM installations. B-Line is proud of the demanding standard of research, design, engineering, and manufacturing that go into each and every product. But exceptional quality and value is nothing new to B-Line. Our customers have access to the most complete product systems offered including metal framing, cable tray, Cent-R-Rail®, pipe hangers, electrical enclosures and Telecom products.

Many of B-Line's products are listed by Underwriters Laboratories, Inc. and approved by Factory Mutual Laboratories. All B-Line products are manufactured to meet or exceed industry standards for their design and manufacture.

B-Line products are produced in eight modern plants consisting of over 1,200,000 square feet. These facilities are located in Highland, Illinois; Troy, Illinois; Norcross, Georgia; Reno, Nevada; Portland, Oregon; Modesto, California; Sherman, Texas; and Aurora, Colorado. Regional sales and distribution centers are located throughout the United States stocking standard B-Line products for quick service and delivery.

This catalog is designed to be helpful to contractors in the application and selection of spring steel fasteners and support products for construction and maintenance.

If a unique application requires a special design not included in this catalog, B-Line engineering personnel are ready to furnish design consultation and realistic cost estimates. In addition, sales representatives with extensive product knowledge are located throughout the United States and abroad for your convenience.

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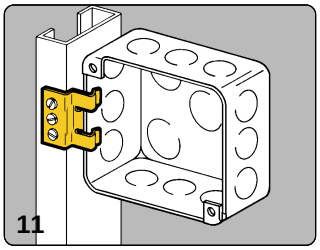
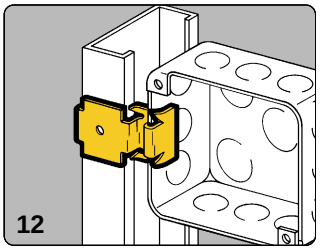
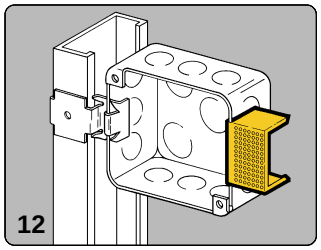
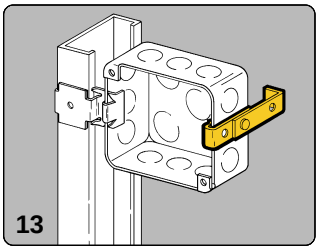
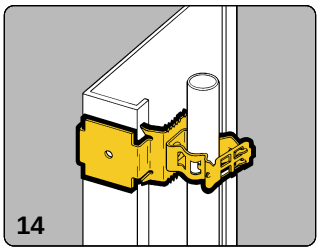
Metal Studs

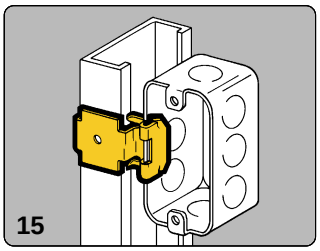


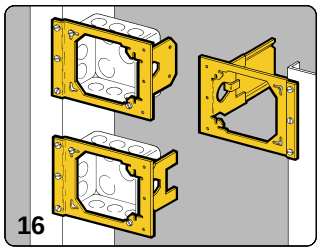


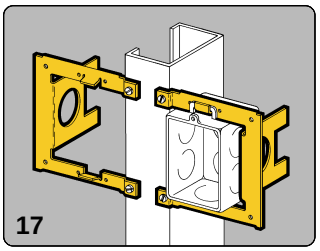


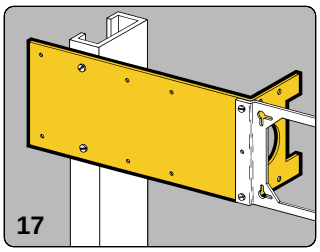


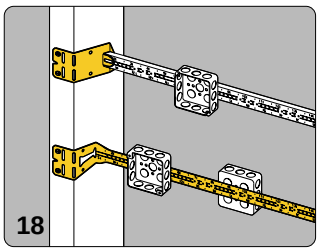


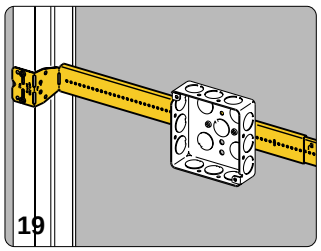


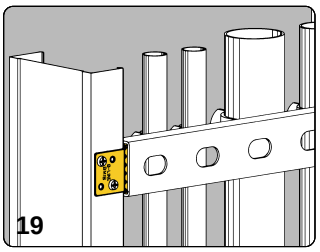


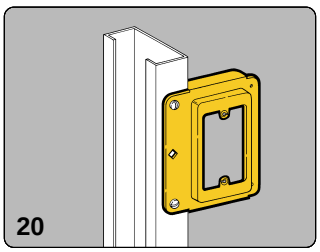


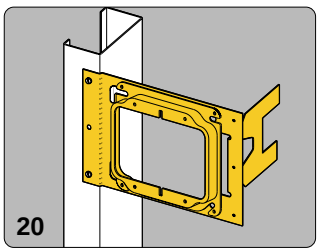


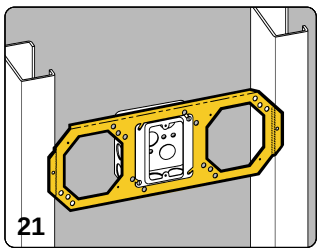


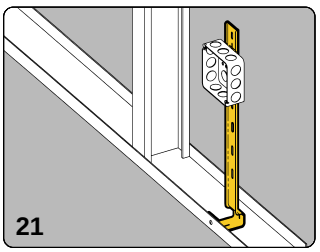


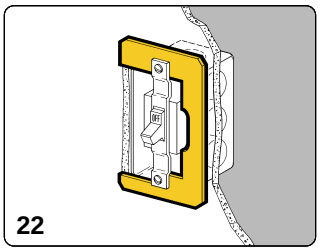


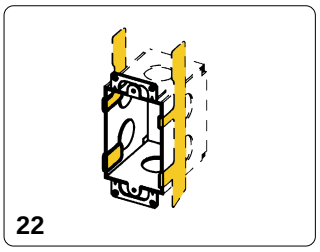


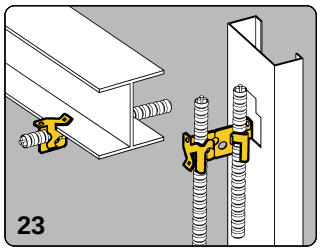


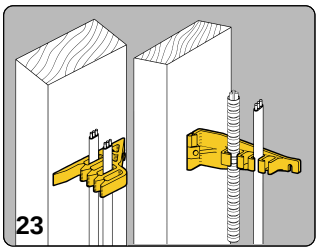


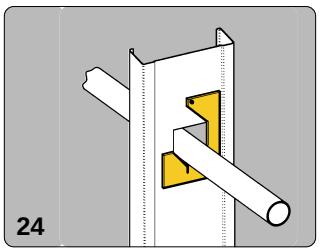


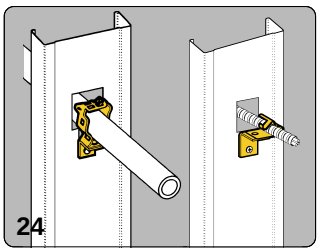


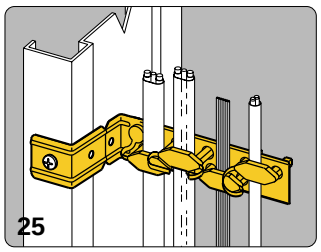


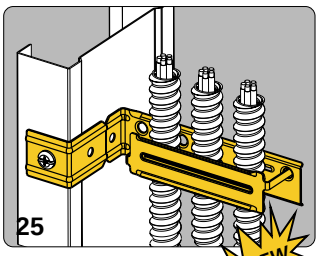






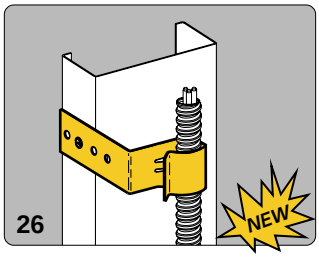


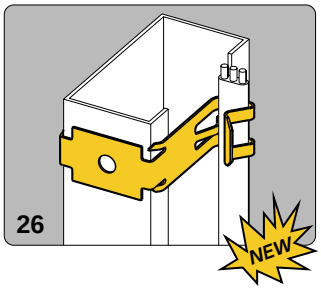


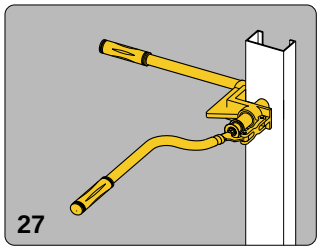


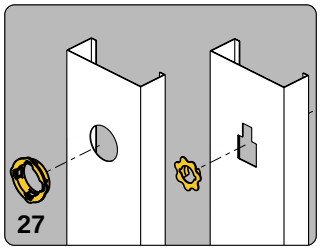
B-Line Fasteners

Metal Studs









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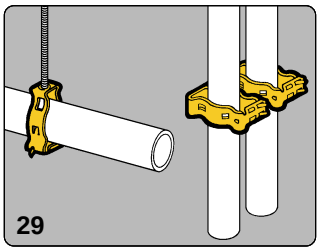

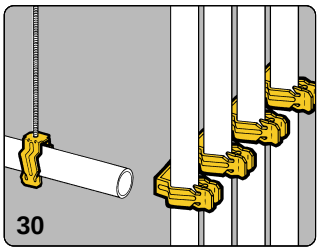

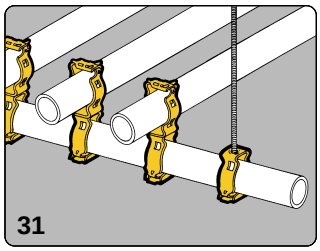

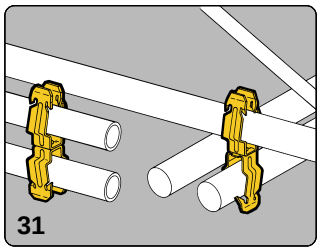

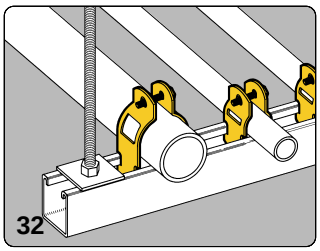

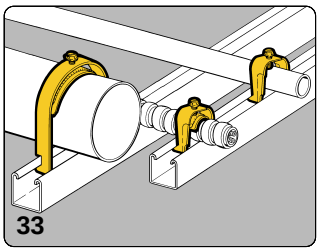

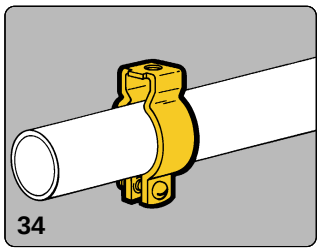

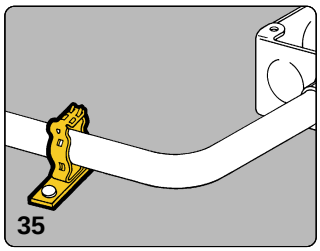

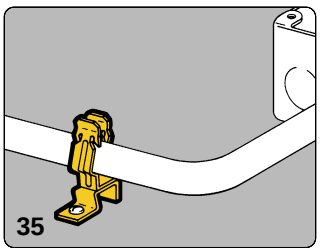

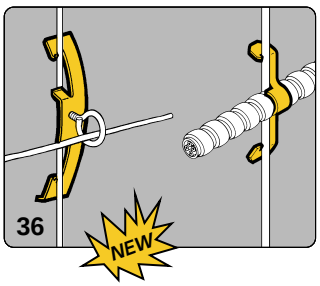

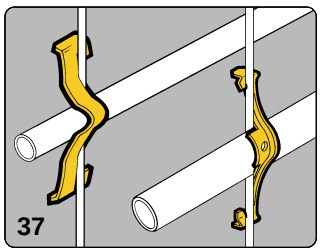

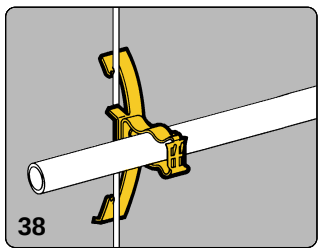

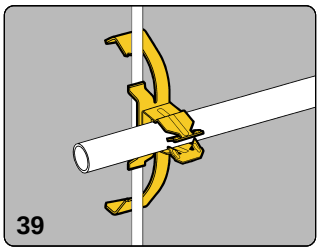

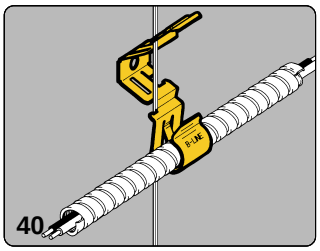

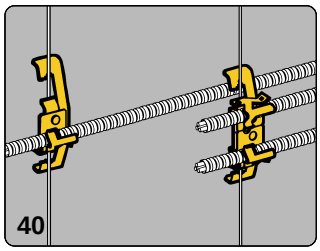

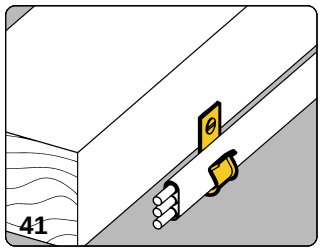

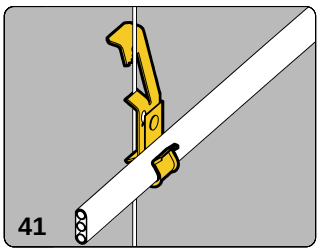

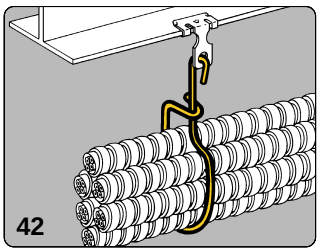

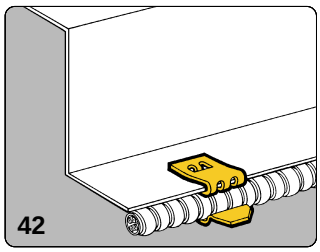

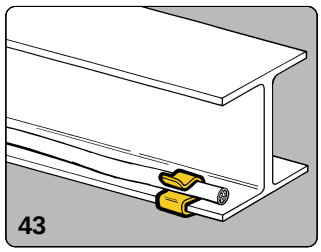

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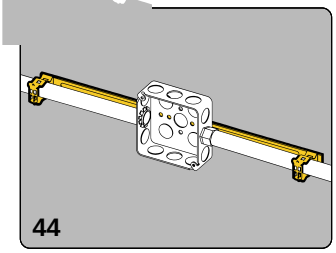

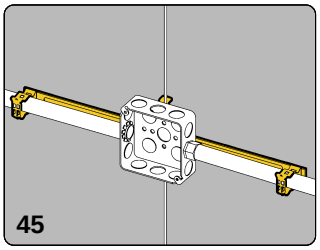

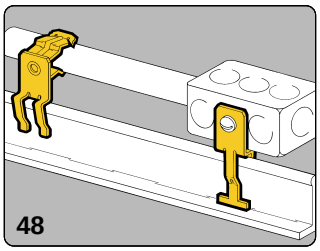

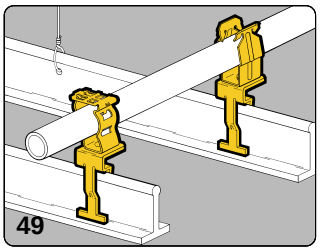

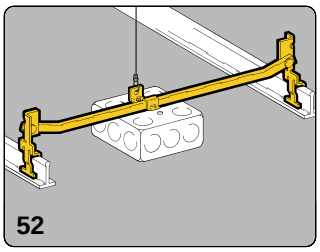

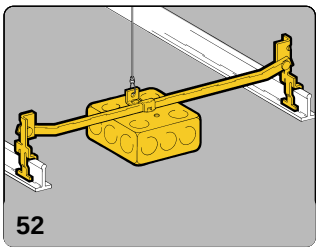

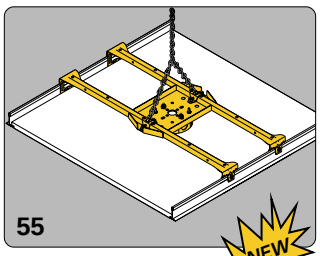

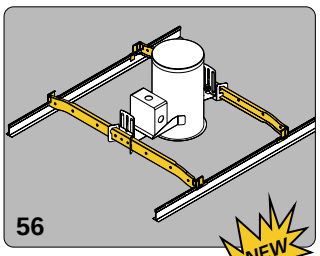

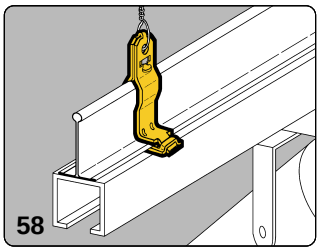

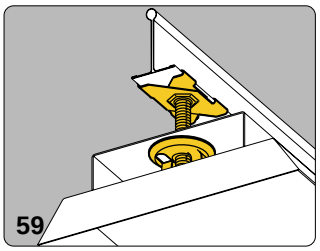

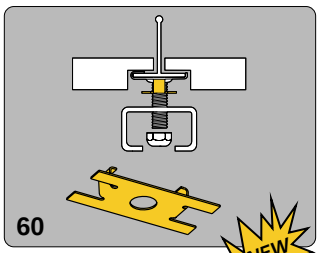

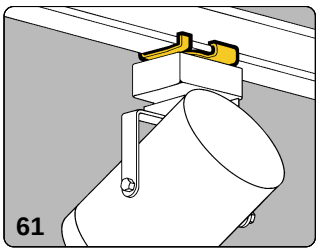

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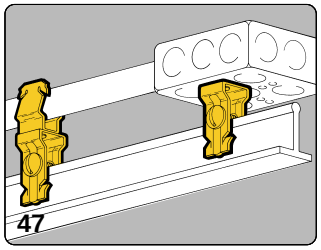

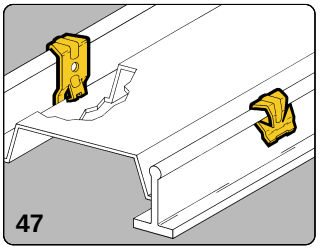

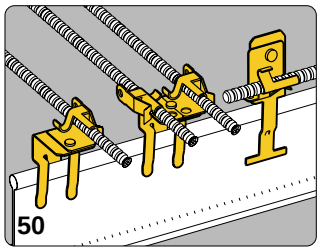

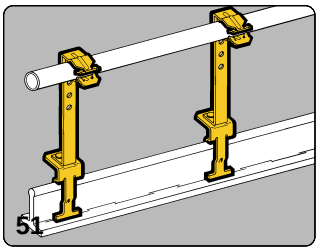

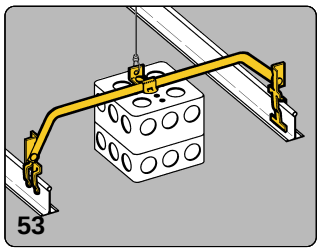

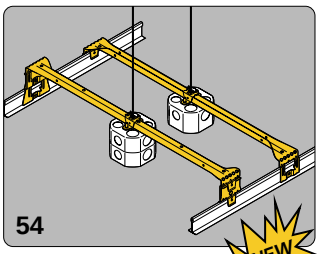

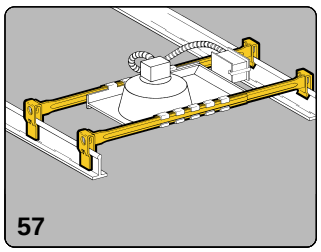

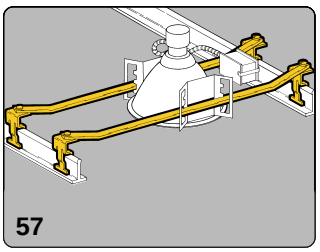

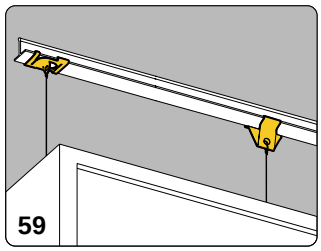

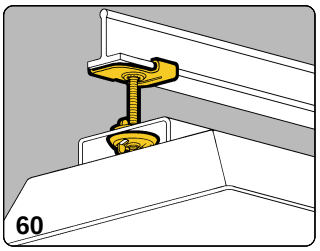

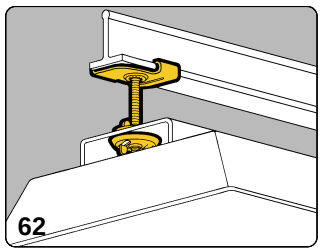

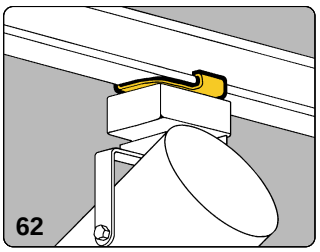

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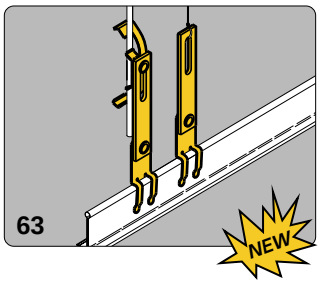

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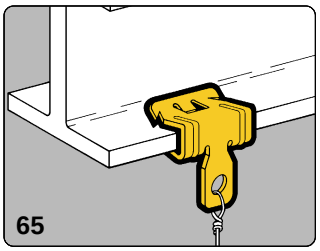

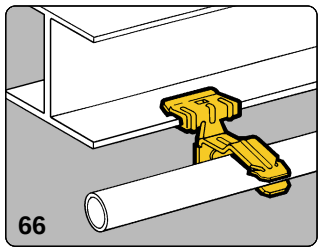

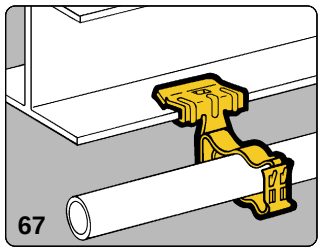

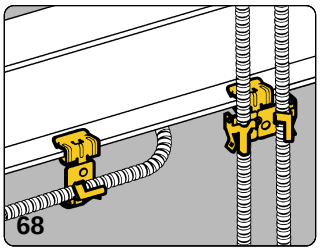

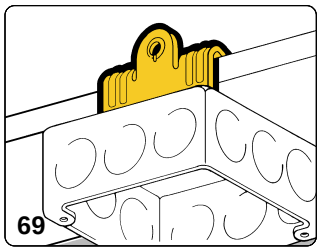

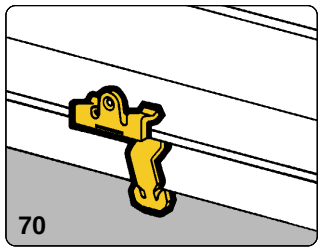

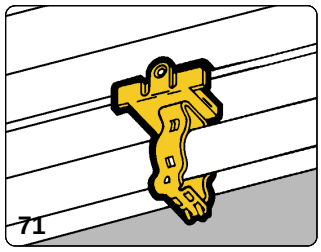

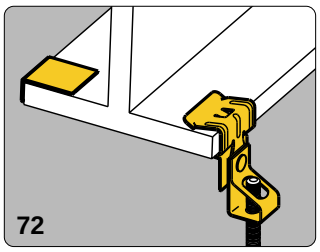

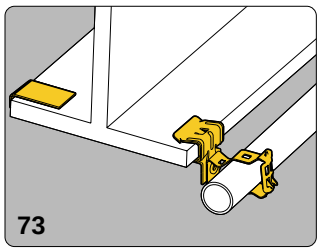

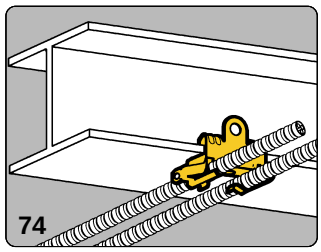

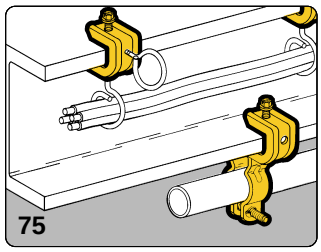

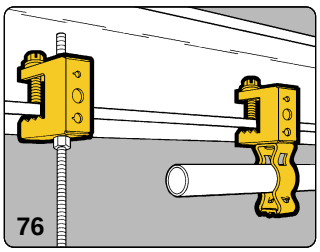

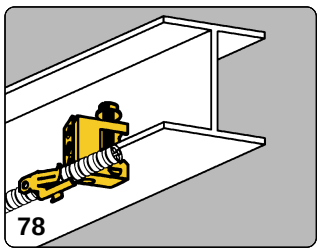

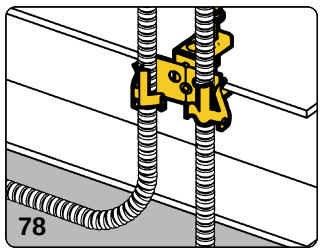

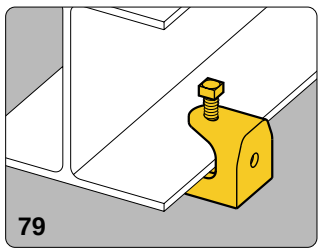

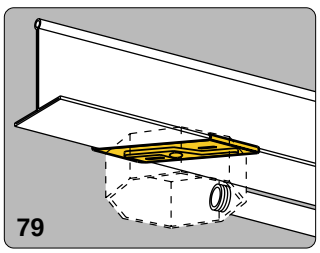

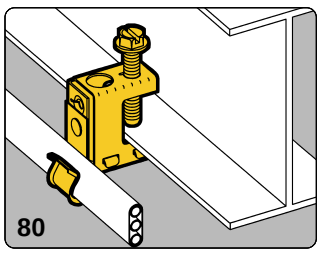

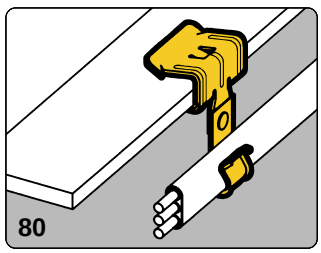

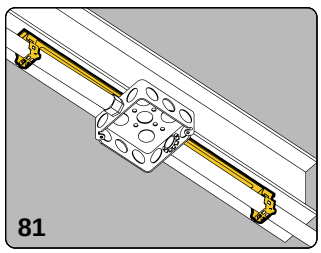

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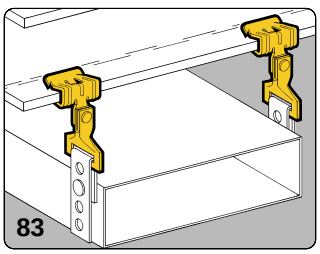

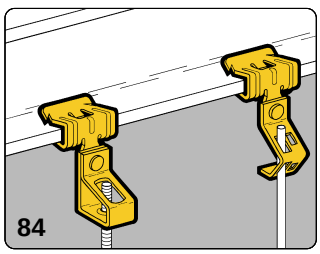

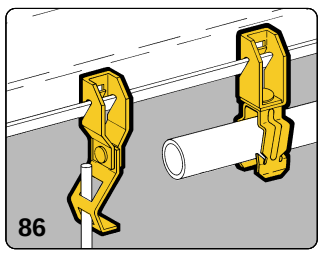

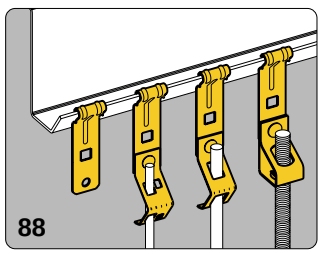

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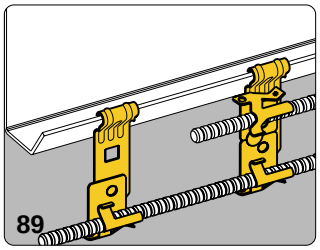
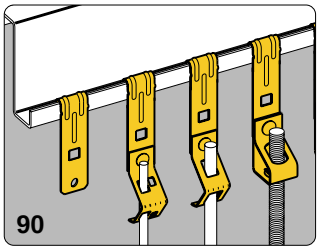
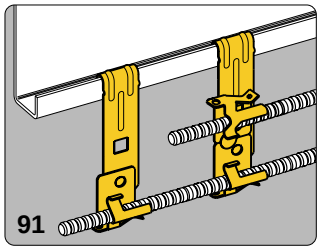
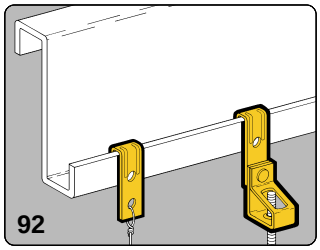
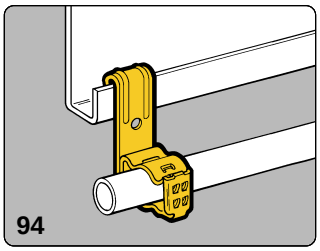
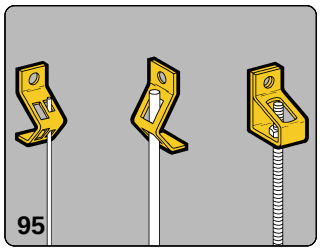


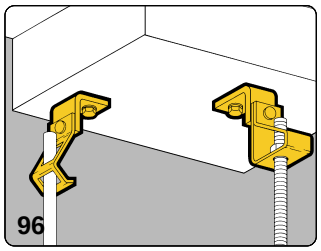


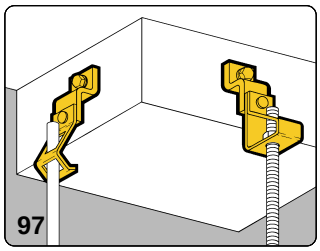


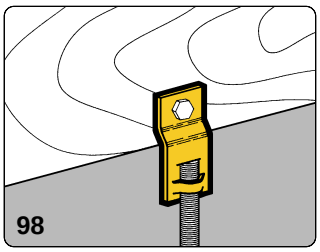


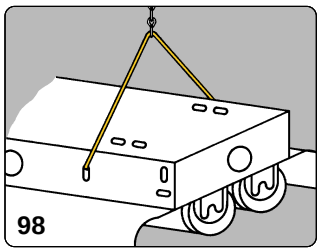


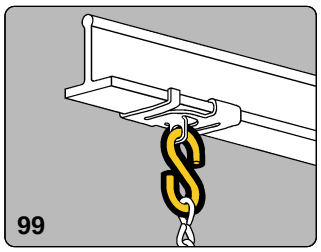


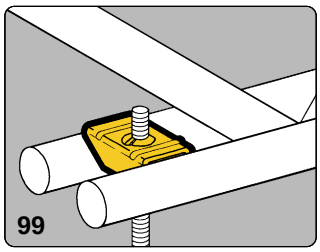




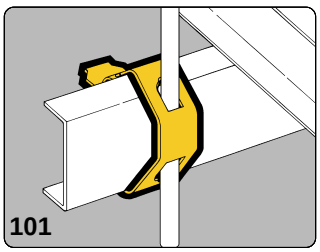


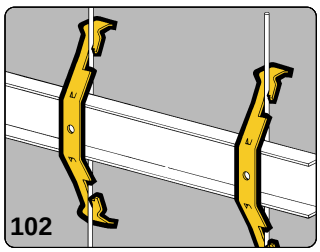


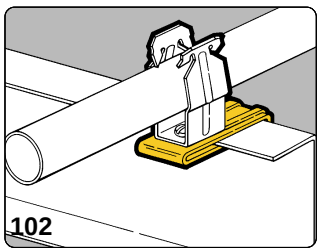


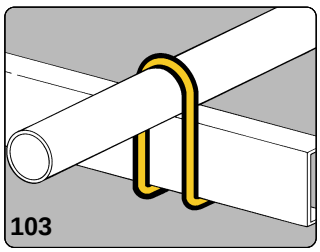


Lathers Channel

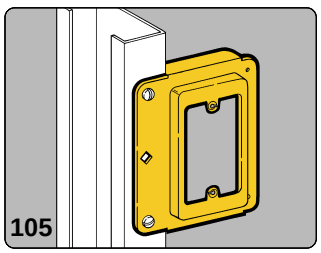


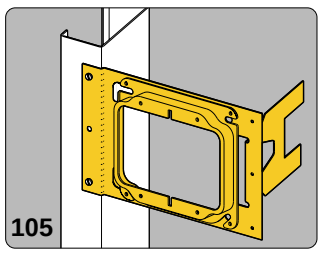


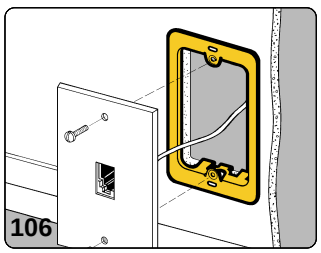


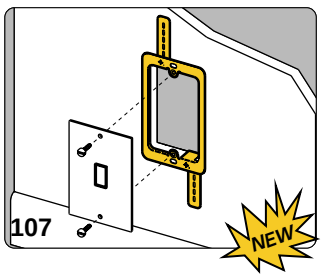


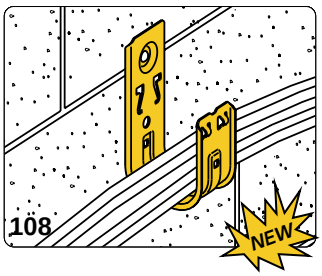
Communications & Low Voltage

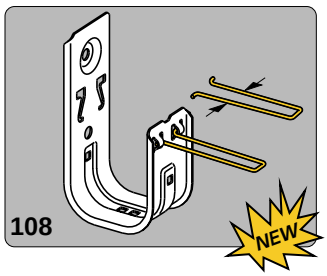


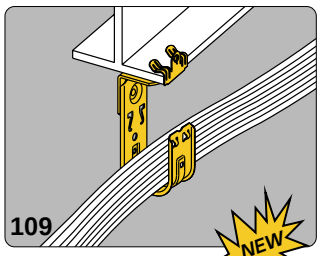


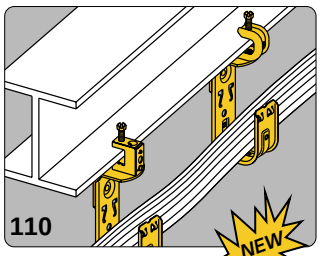




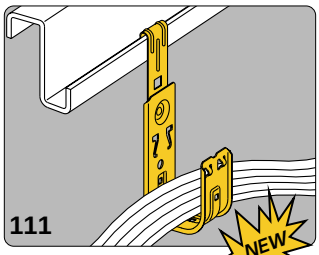


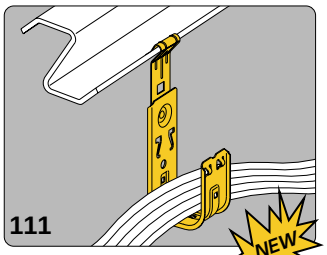


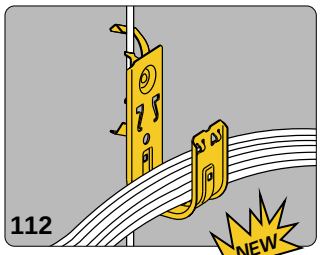


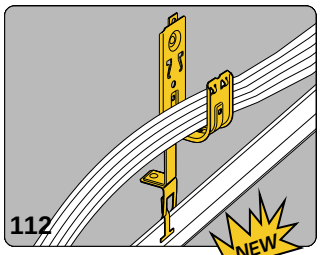


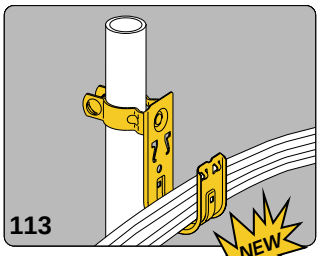
Communications & Low Voltage

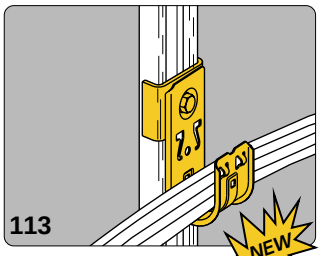


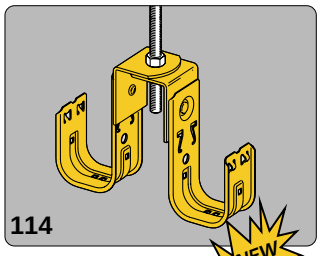


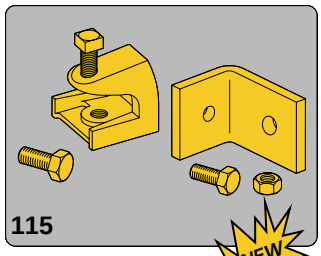


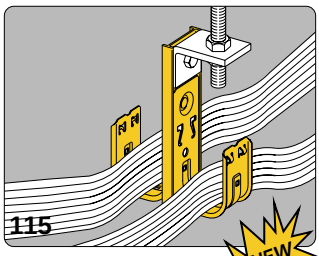


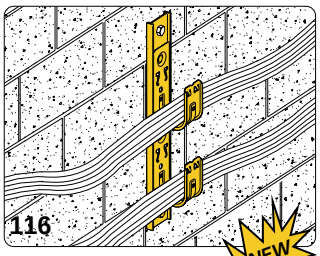


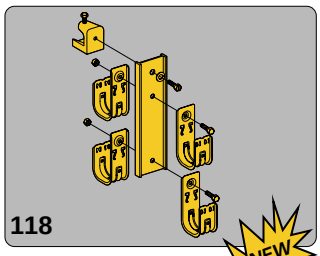


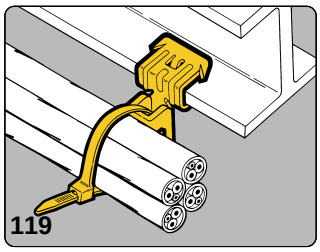


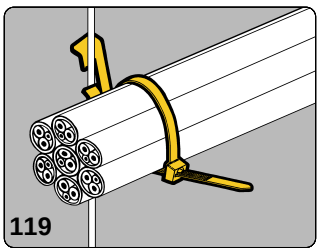


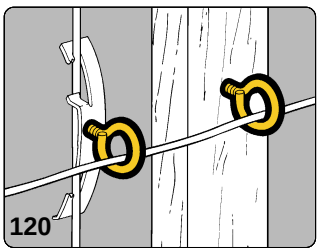


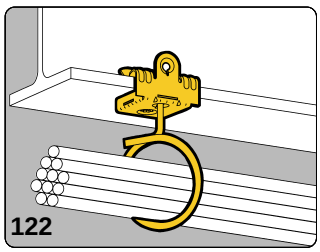


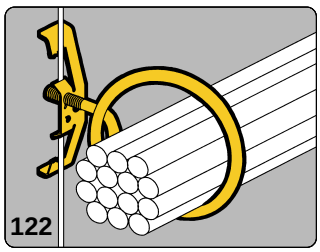




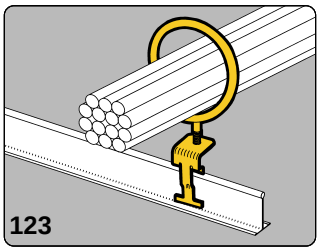


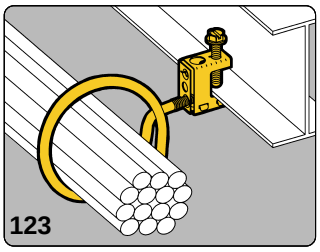


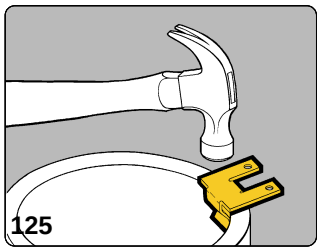


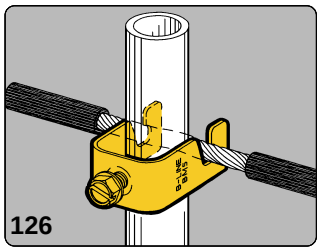


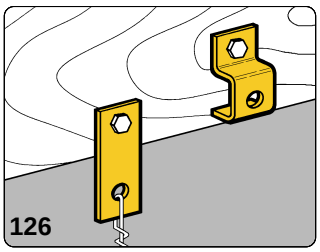
Accessories

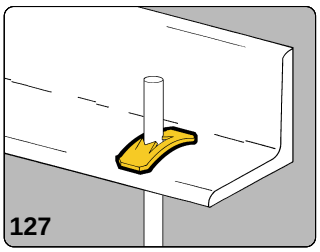


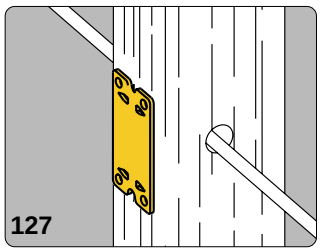


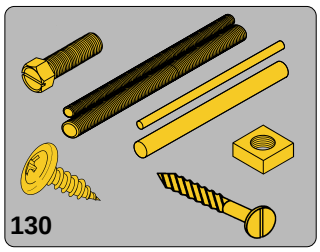












Materials

STEEL	SPECIFICATION
High Carbon Cold Rolled	ASTM A684, AISI 1055
Electrolytic Zinc Coated	ASTM A591
Pre-Galvanized	ASTM A653

STEEL

B-Line's spring steel fasteners are manufactured from spheroidized annealed high carbon cold rolled steel (ASTM A684, AISI 1055). Mild steel fasteners are manufactured from electrolytic zinc coated steel (ASTM A591) or pre-galvanized steel (ASTM A653).

Electrolytic zinc coated and pre-galvanized steel is produced by coating coils of sheet steel with zinc at the mills. These coils are then slit to size and fabricated into B-Line products.

HEAT TREATMENT

B-Line spring steel fasteners are heat treated to make the steel hard and give the parts their spring quality and strength. The hardness for a given fastener depends on the required load carrying capacity and the application.

LOAD DATA

The design load ratings for B-Line fasteners are specified in this catalog as *static load capacity* or *ultimate static load capacity*. By definition, the listed static load capacity has a safety factor of three (3.0), the listed ultimate static load capacity has *no* safety factor. In either case, these stated loads are not to be exceeded, and loads should be applied only as depicted in the catalog and/or installation sheets. The load capacity of a fastener having more than one component is equal to the load capacity of the lowest rated component.

Fasteners having no load ratings are designed for proper placement of boxes, conduit, etc., and not for supporting loads.

B-Line fasteners are designed for use with support members (e.g.: angle iron, bar joists, beams, columns, flanges, purlins, wire, rod) that comply with the applicable AISI standards and threaded rod that complies with the applicable ANSI standards.

QUALITY ASSURANCE

B-Line has an established Q.C. program in which raw material and finished products are sampled, inspected and tested by certified inspectors to assure that all applicable standards are met. B-Line's fasteners are manufactured in controlled lots and each part is identified by a lot number stamped into the part. This number allows B-Line to track each step of the manufacturing process including raw material, die set-up, heat treating, and finishing. Samples are tested to verify correct hardness, corrosion resistance and load carrying capacity.

FINISH	SPECIFICATION
Zinc-Phosphate	MIL-P-16232 Type Z
Electrogalvanized Zinc	ASTM B633
Pre-galvanized Zinc	ASTM A653, G90
Gloss White Paint	Acrylic Enamel

ZINC PHOSPHATE

B-Line's spring steel fasteners receive a coating* of sealant impregnated zinc phosphate. This type of coating was commercially developed by industry to inhibit oxidation of ferrous metals for up to 72 hours in a specified salt fog atmosphere. As applied to its fasteners, B-Line rates this coating for 30 hours when salt fog tested per ASTM B-117.

Although rust resistant, B-Line fasteners should be used only indoors and in non-corrosive environments.

*At least 1000 milligrams of zinc phosphate per square foot.

PAINT

Some standard fasteners have a gloss white acrylic enamel applied over the zinc phosphate finish for an enhanced appearance that compliments white ceiling grids.

ELECTROGALVANIZED ZINC

Electrogalvanized zinc (also known as zinc plated or electroplated) is the process by which a coating of zinc is deposited on the steel by electrolysis from a bath of zinc salts.

The coating is pure zinc and is mechanically bonded to the steel. A maximum of .5 mils of zinc can be applied by this method.

When exposed to air and moisture, zinc forms a tough, adherent, protective film consisting of a mixture of zinc oxides, hydroxides, and carbonates. This film is in itself a barrier coating which slows subsequent corrosive attack of the zinc.

This coating is usually recommended for indoor use in relatively dry areas.

PRE-GALVANIZED ZINC

Pre-galvanized steel is produced by coating coils of sheet steel with zinc by continuously rolling the material through molten zinc at the mills. This is also known as mill galvanized or hot-dip mill galvanized. These coils are then slit to size and fabricated into B-Line products.

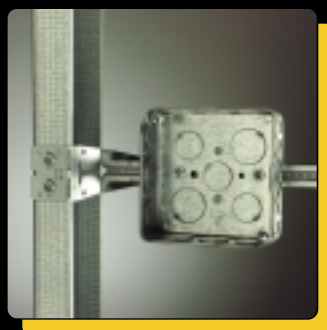
The G90 specification calls for a coating of .90 ounces of zinc per square foot on each side of the sheet.

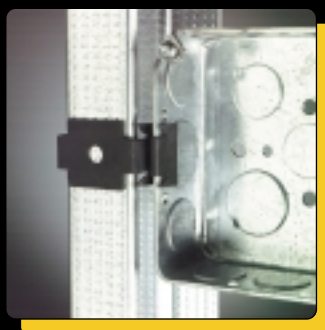
During fabrication, cut edges and welded areas are not normally zinc coated; however, the zinc near the uncoated metal becomes a sacrificial anode to protect the bare areas after a short period of time.

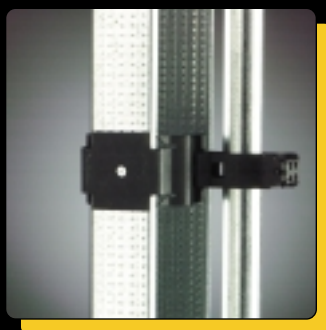
Pre-galvanized steel is recommended for indoor use in dry areas.

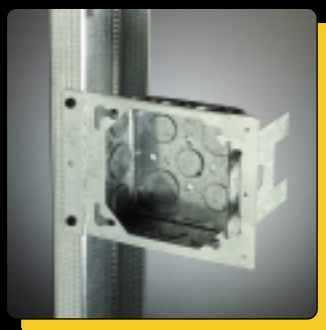
CAUTION: Do not use B-Line Fasteners outdoors or in corrosive environments. Proper application of each fastener is shown in this catalog and on the installation sheet inside each carton. Failure due to improper installation may cause harm to personnel and/or property. Allowable loads shown apply to the fastener only and do not account for the structure, which supports the fastener. Flanges, wires and rods used with these fasteners must meet A.I.S.I. standards. To improve personal safety on the jobsite, always observe all federal and local safety regulations: wear gloves, safety glasses and a hard hat.

Metal Studs







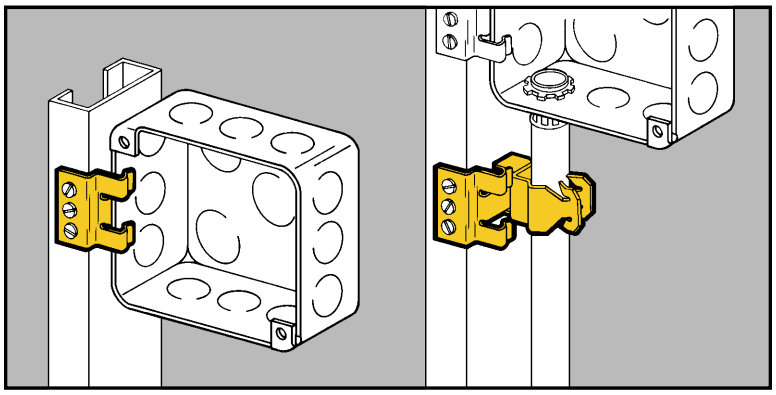


Box To Stud Fasteners

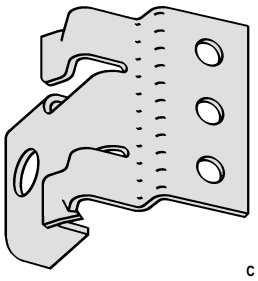
FEATURES

- Attaches with screws to either side of metal stud.
- BB1 supports electrical box.
- BG series conduit fasteners feature **Guide-Rite®** design.
- BP series conduit fasteners feature push-type design.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB1	Electrical Box Support Clip	18145	100



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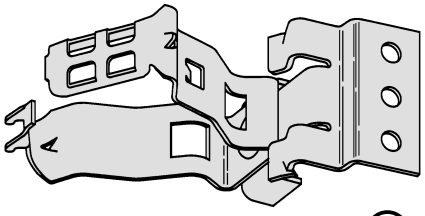
Conduit To Stud Fasteners

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-B1	3/8"	18420	100
BG-8-12-B1	1/2", 3/4"	18475	100
BG-16-B1	1"	18555	100

Patent #4958792



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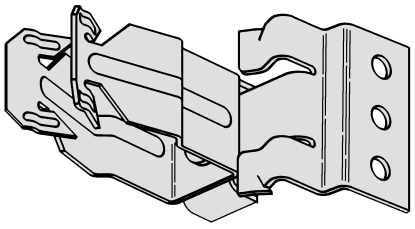
Guide-Rite® Fastener

BP-8-B1	1/2" EMT	19245	100
BP-12-B1	3/4" EMT, 1/2" IMC, Rigid	19345	100
BP-16-B1	1" EMT, 3/4" IMC, Rigid	19440	100

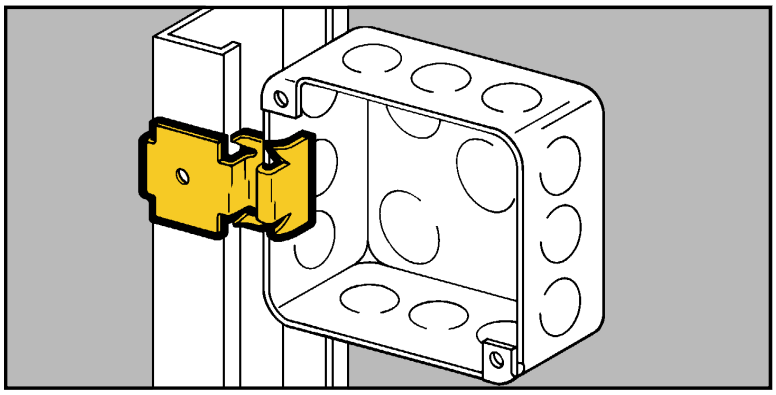


Push-Type

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

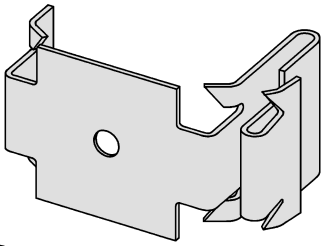
Box To Stud Fasteners



APPLICATIONS

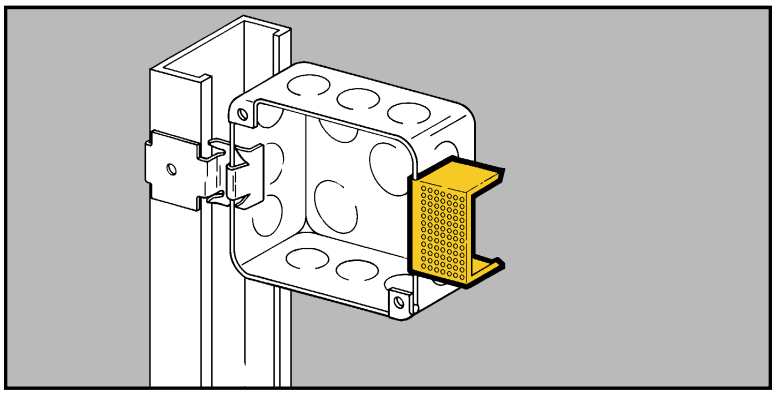
FEATURES

- Attaches electrical boxes (requiring plaster rings) to most metal studs.
- Box mounts flush to back of drywall.
- Simply installed with a hammer.



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB9	Electrical Box Support	18270	100

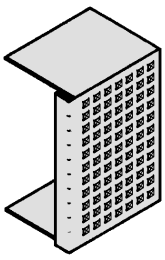
Box Stabilizers



APPLICATIONS

FEATURES

- Secures electrical boxes to drywall.
- Held in place by plaster ring.
- Attached to drywall by a single screw.



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB60	Box Stabilizer	19887	100

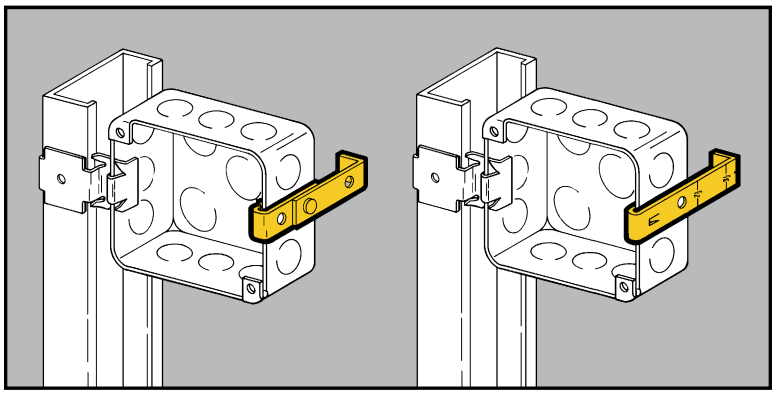
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

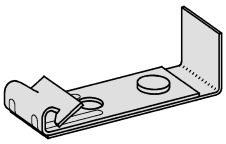
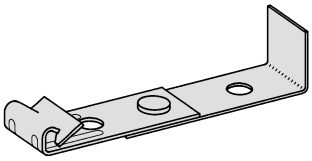
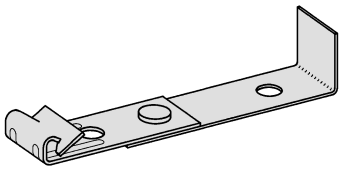
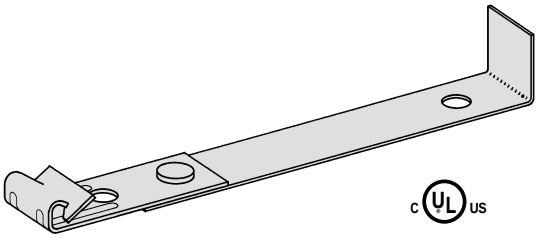
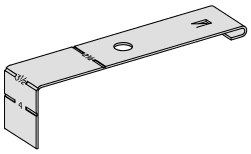
Box Stabilizers

FEATURES

- Provides additional support for electrical boxes.
- BF1 series is available for 2 1/2", 3 1/2", 4" and 6" metal studs.
- BB7 is adjustable for use with 2 1/2" thru 4" metal studs.

APPLICATIONS

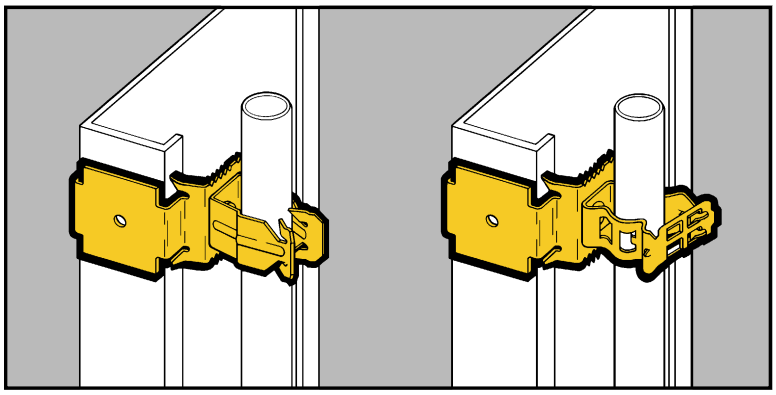


PART NUMBER	METAL STUD SIZE	UPC NO. 781011	BOX QTY.	
BF1-40	2 1/2"	18320	100	
BF1-56	3 1/2"	18325	100	
BF1-64	4"	18330	100	
BF1-96	6"	18335	100	
BB7	2 1/2" thru 4" (Sized by Bending at Pre-Marked Lines)	18265	100	

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

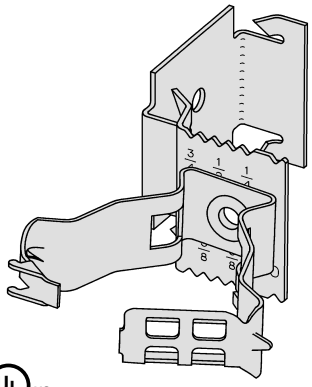
Conduit To Stud Fasteners

APPLICATIONS



FEATURES

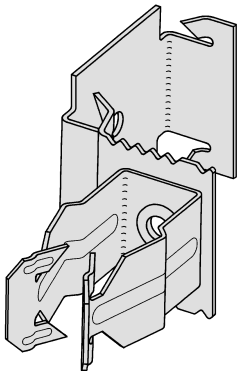
- Attaches conduit to most metal studs.
- Simply installed with a hammer and pliers.
- BG series conduit fasteners feature **Guide-Rite®** design.
- BP series conduit fasteners feature push-type design.



Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-B5	3/8" or BX	18425	100
BG-8-12-B5	1/2", 3/4"	18480	100
BG-16-B5	1"	18560	100
BG-20-B5	1 1/4"	18645	50

Patent #4958792



Push-Type

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BP-8-B5	1/2" EMT	19250	100
BP-12-B5	3/4" EMT, 1/2" IMC, Rigid	19350	100
BP-16-B5	1" EMT, 3/4" IMC, Rigid	19445	100

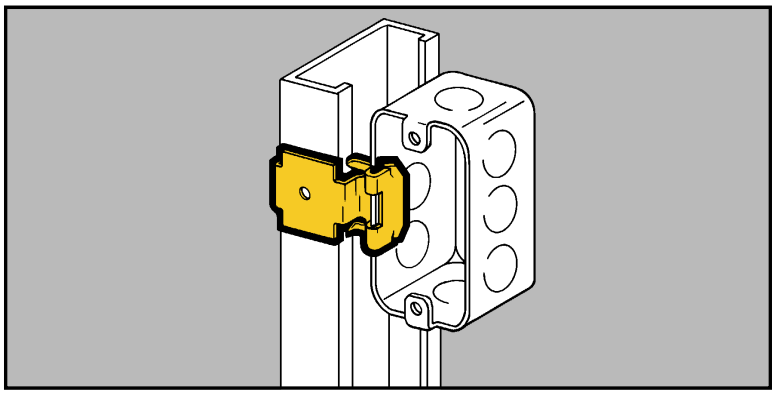
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Switch Box To Stud Fasteners

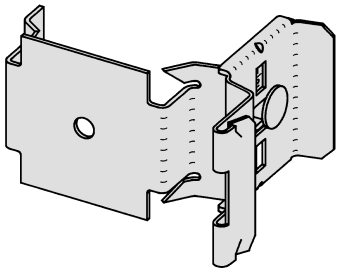
FEATURES

- Attaches switch boxes to most metal studs.
- Simply installed with a hammer.
- BB5 series is riveted for flush wall or 1/4" thru 3/4" drywall.
- BB6-A is field adjustable for 1/4" thru 3/4" drywall.

APPLICATIONS



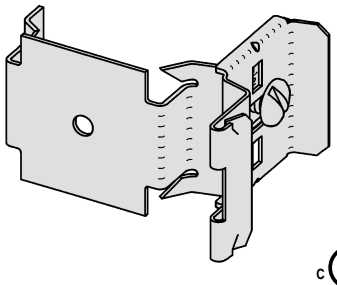
PART NUMBER	DRYWALL THICKNESS	UPC NO. 781011	BOX QTY.
BB5-0	Flush Wall	18220	100
BB5-4	1/4"	18225	100
BB5-6	3/8"	18230	100
BB5-8	1/2"	18235	100
BB5-10	5/8"	18240	100
BB5-12	3/4"	18245	100



c UL us

Patent #4971280

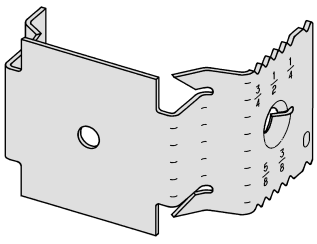
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB6-A	Adjustable (1/4" thru 3/4" Drywall)	18260	100



c UL us

Patent #4971280

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB6	1/4"-20 Thread Impression	18255	100

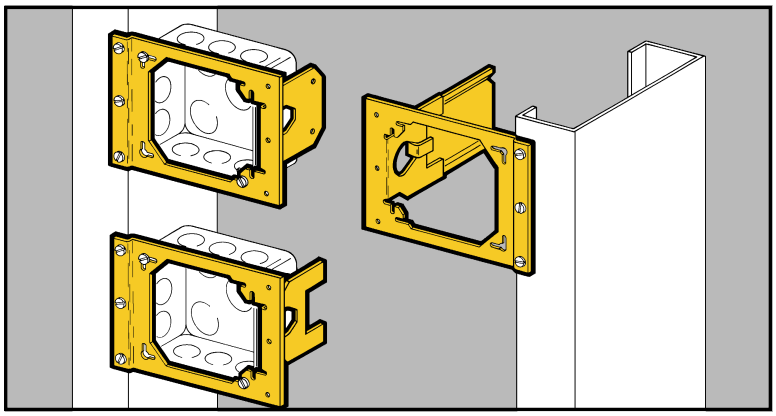


c UL us

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

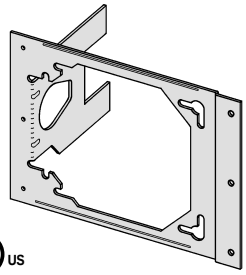
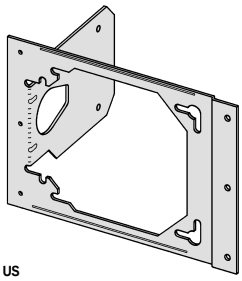
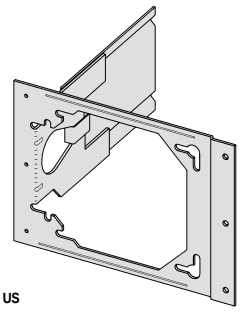
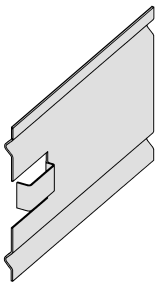
Box Support Brackets



APPLICATIONS

FEATURES

- Supports either 4" square or 4 11/16" boxes.
- Available for 2 1/2", 3 1/2", 4" and 6" metal studs.
- Attaches with screws to either side of metal stud.
- Brackets may be piggy-backed in series on same side of metal stud.

	PART NUMBER	METAL STUD SIZE	UPC NO. 781011	BOX QTY.
	**BB4-23**	2 1/2", 3 1/2"	18190	100
				Patent #4757908
	**BB4-4**	4"	18200	100
				Patent #4757908
	**BB4-6**	6"	18202	25
				Patent #4757908
	**BB4-XT6**	Extends BB3, BB4-23 & BB4-4 for use on 6" Deep Studs	18204	100
				Patent #4757908

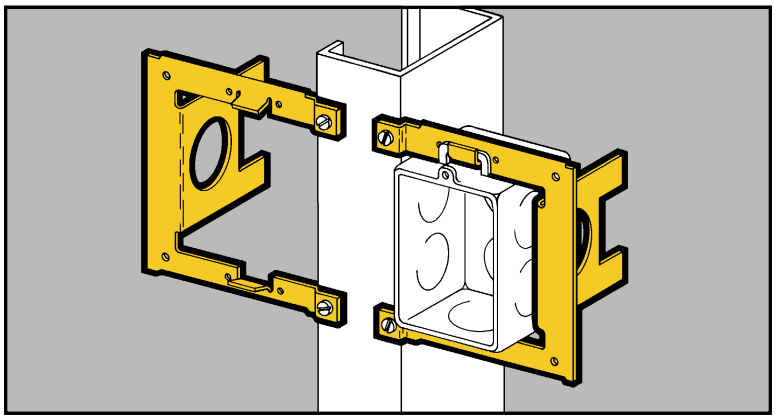
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Switch Box Bracket

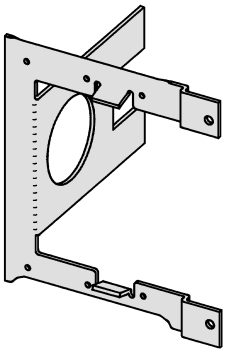
FEATURES

- Supports all 2" x 3" switch boxes with 1 or 2 screw plaster ears.
- Adjustable for 2 1/2" & 3 1/2" metal studs.
- Attaches with screws to either side of metal stud.
- Brackets may be piggy-backed in series on same side of metal stud.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB3	2" x 3" Switchbox Bracket	18195	100



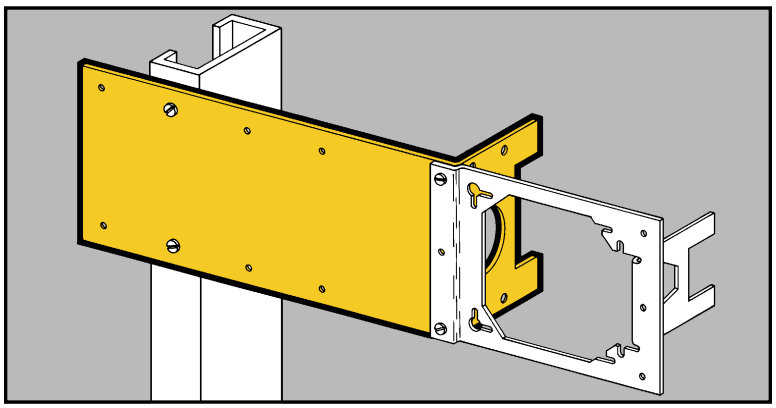
Patent #4753361

Extension Bracket

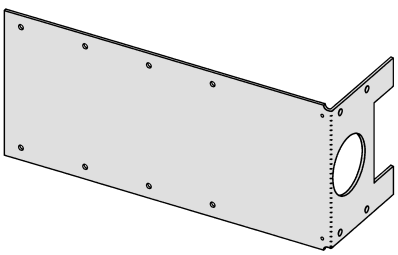
FEATURES

- For mounting outlet boxes from 6" to 24" O.C. between metal studs.
- Adjustable for 2 1/2" & 3 1/2" metal studs.
- Attaches with screws to either side of metal stud.

APPLICATIONS



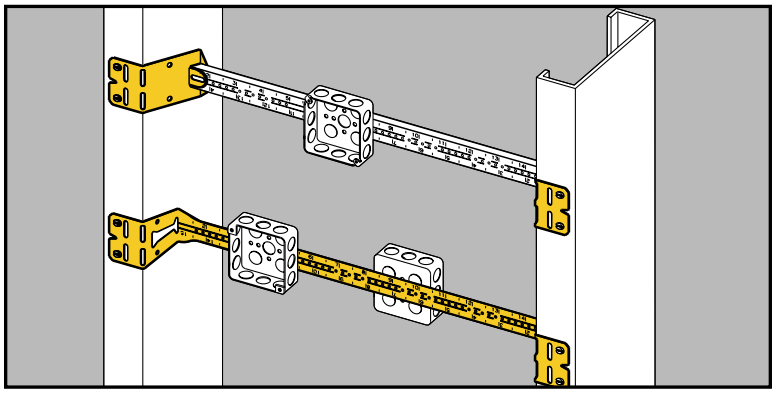
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB4-XB	Extension Bracket For BB3 and BB4 Series Box Support Brackets	18203	50



Patent #4603789

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

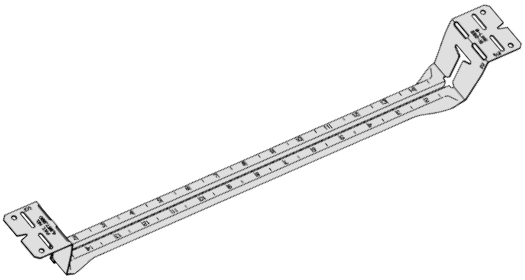
Box Mounting Brackets



APPLICATIONS

FEATURES

- Supports boxes located between studs 16" or 24" on center.
- Adjustable design fits both 1 1/2" and 2 1/8" deep boxes.
- Boxes attach easily with sheet metal screws through pre-punched holes.
- Bar is marked in 1/2" increments.
- Accommodates 4" thru 24" stud spacing using BB2-AC series bracket adaptors.



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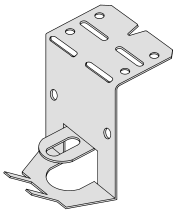
PART NUMBER	STUD SPACING	BOX DEPTH	UPC NO. 781011	BOX QTY.
BB2-16	16"	1 1/2"	18160	50
BB2-24	24"	1 1/2"	18165	50
BB2-16D*	16"	2 1/8"	18161	50
BB2-24D*	24"	2 1/8"	18166	50

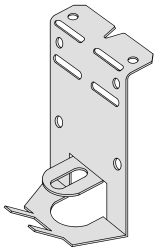
* Pre-formed brackets for 2 1/8" deep boxes

Patent #5209444
Patent #4967990



BB2-AC

c UL us



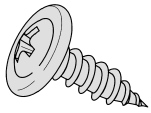
BB2-ACD

c UL us

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB2-AC	Bracket Adaptor for BB2-16 & BB2-24	01145	25
BB2-ACD	Bracket Adaptor for BB2-16D & BB2-24D	01221	25

Note: Five (5) BB2-AC or BB2-ACD adaptors supplied free in each box of BB2 series Box Mounting Brackets.

Box Mounting Screws



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BWHS-9	Sheet Metal Screw #8 x 9/16" Wafer Head	01675	1000

B-Line Fasteners

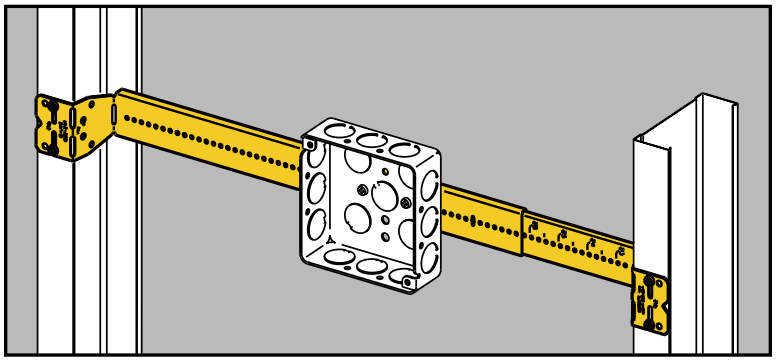
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Telescoping Box Mounting Brackets

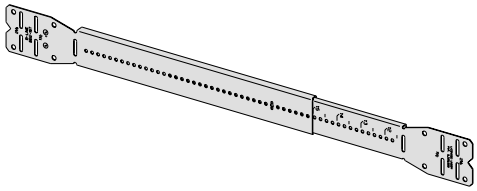
FEATURES

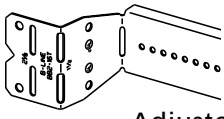
- Completely adjustable - fits a range of stud spacings and both 1 1/2" and 2 1/8" deep boxes.
- Telescoping design slides to adjust for varying stud spacing.
- Pre-punched screw holes provide for easy installation of boxes.
- Bar is marked with a scale that indicates center-to-center stud spacing for quick adjustment.

APPLICATIONS

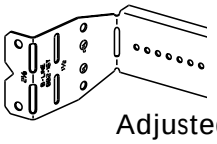


PART NUMBER	METAL STUD SPACING	UPC NO. 781011	BOX QTY.
BB2-16T	11" to 18"	04256	50
BB2-24T	15" to 26"	01664	50





Adjusted for 1 1/2" deep box.



Adjusted for 2 1/8" deep box.

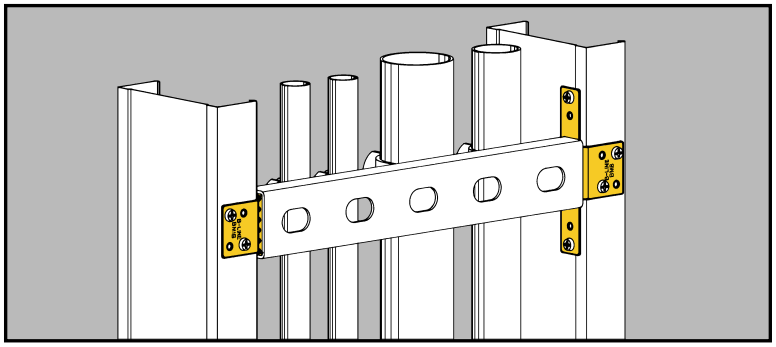
Licensed under Patent #5386959
Patent #5209444

Strut Mounting Brackets

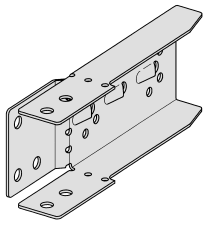
FEATURES

- Attaches 13/16" strut, 1 1/2" lathers channel, 1/2" EMT or 3/4" EMT to metal studs.
- Provides support for vertical or horizontal runs of conduit.
- Attaches easily with sheet metal screws.

APPLICATIONS



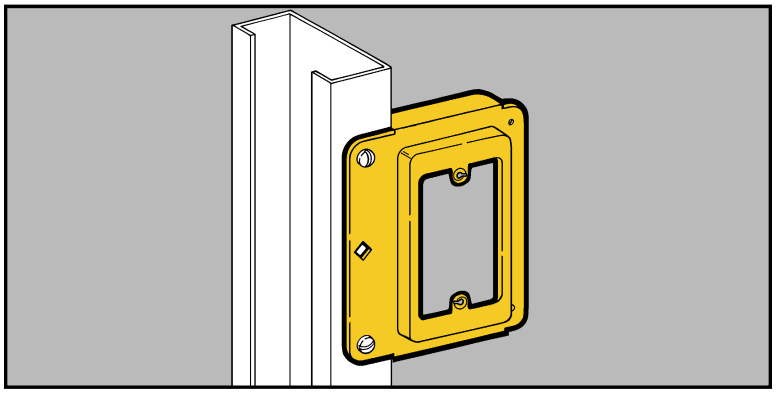
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BMB1	Strut Mounting Bracket	01658	25 pr.



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

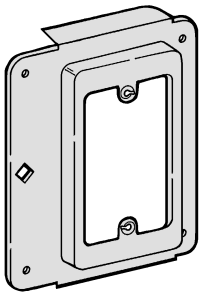
Cover Plate Mounting Brackets

APPLICATIONS



FEATURES

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Replaces electrical box in Class 2 low voltage installations.
- Can be piggy-backed for side-by-side plate mounting.



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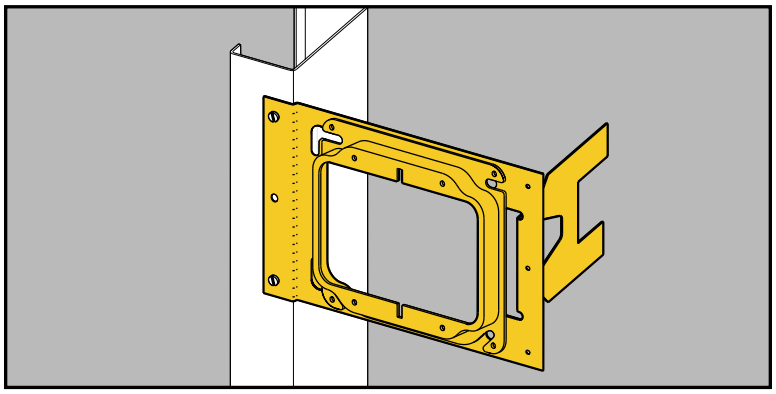
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB15	Single Gang Stud Bracket	19873	50

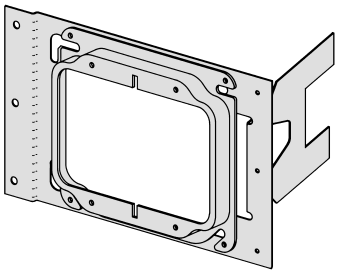
Cover Plate Mounting Brackets

APPLICATIONS



FEATURES

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Replaces electrical box in Class 2 low voltage installations.
- Heavy-duty double gang design with far side support.



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PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB25	Double Gang Stud Bracket (1/2" Raise)	03625	25
BB25-10	Double Gang Stud Bracket (5/8" Raise)	03626	25

B-Line Fasteners

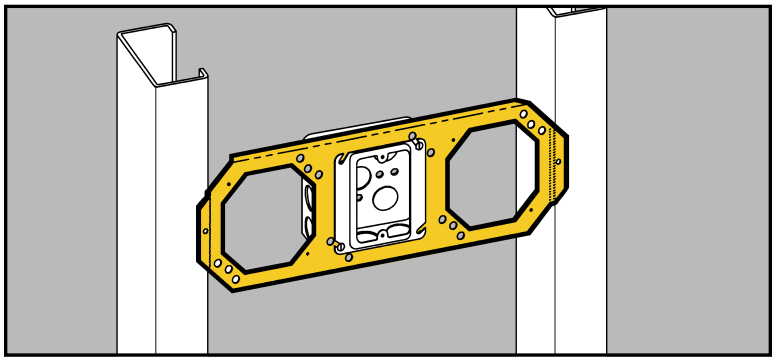
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Box Mounting Brackets

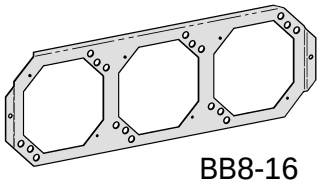
FEATURES

- Provides support for boxes or plaster rings between studs 16” or 24” on center.
- Accommodates 4” or 4 11/16” boxes.
- Allows side-by-side mounting of 1 1/2” or 2 1/8” deep boxes.

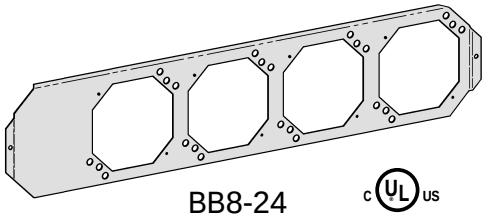
APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB8-16	Box Mounting Bracket For 16” Stud Spacing	02898	25
BB8-24	Box Mounting Bracket For 24” Stud Spacing	02900	25



BB8-16



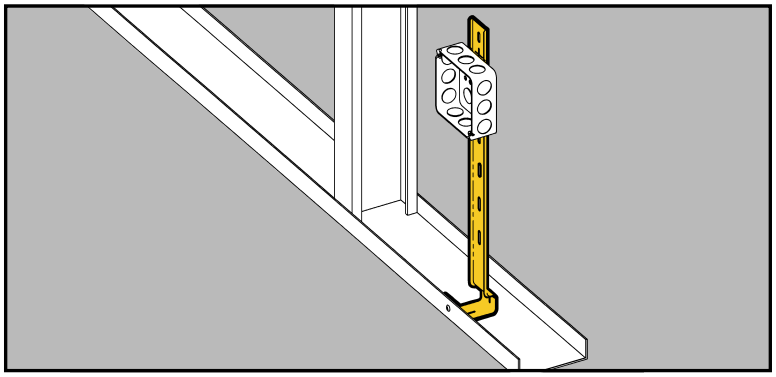
BB8-24

Floor Mounted Box Support

FEATURES

- Provides support for electrical box from floor track or concrete forms.
- 18” length with break-away feature for 12”, 16”, or 18” box mounting.
- Attaches easily with sheet metal screws.

APPLICATIONS



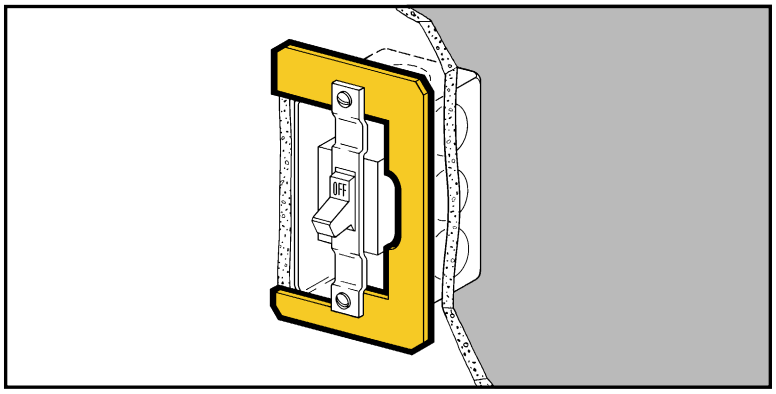
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB-18	Floor Mounted Box Support	03623	50

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

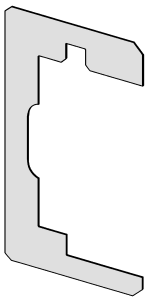
Retainer Leveler

APPLICATIONS

FEATURES



- BB32 adds rigidity to devices in oversize wall openings.
- Holds wiring device firmly in drywall.
- Saves cover plates from breakage.

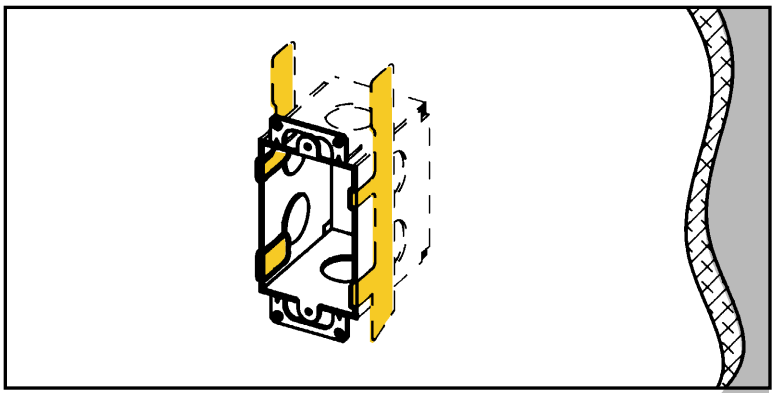


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB32	Adds Rigidity to Oversize Wall Openings	18215	100

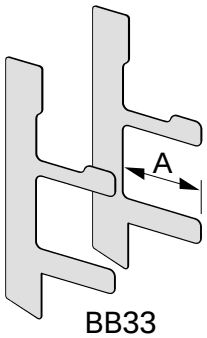
Box Support

APPLICATIONS

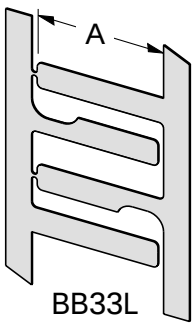
FEATURES



- Attaches electrical boxes to finished drywall.
- Box is completely supported by drywall.
- Prevents box from pulling out of wall.



BB33



BB33L

PART NUMBER	DESCRIPTION	LENGTH A	UPC NO. 781011	BOX QTY.
BB33	Box Support	1 1/2"	01138	100 pr.
BB33L	Long Leg Box Support	2 1/4"	04936	100

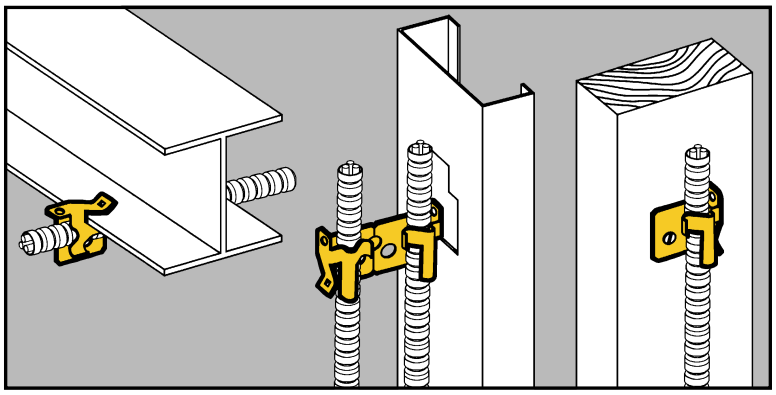
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Flexible Conduit/ Cable Fasteners

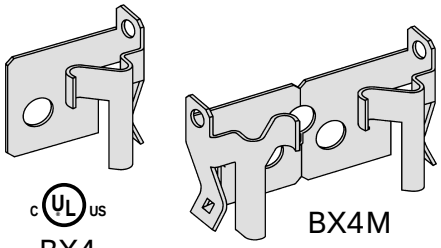
FEATURES

- Attaches 1 to 4 runs of MC, AC, sizes #14-2 through #10-3 or 3/8" BX to metal or wood studs and flanges up to 3/16" thick.
- Snaps into place on metal stud openings or may be screwed to metal or wood studs.
- BX4M may be snapped in half to make two BX4's.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).

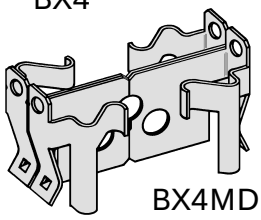
APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4	Single Runs	01079	100
BX4M	Double Runs	01080	100
BX4MD	Up to 4 Runs	01224	100



BX4 BX4M



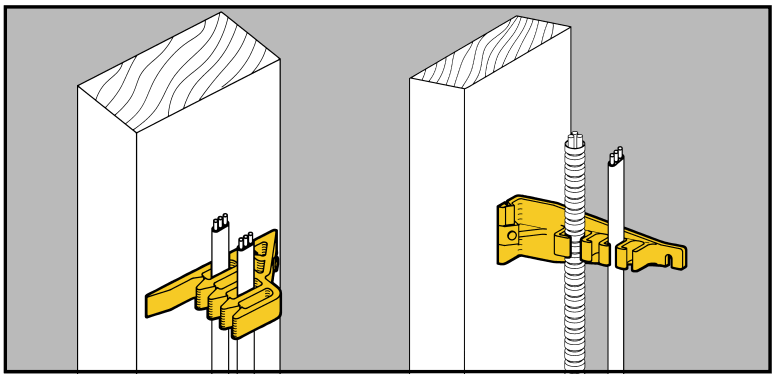
BX4MD

Cable Fasteners

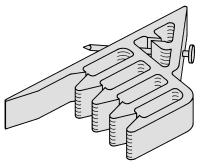
FEATURES

- Attaches Type NM cables to wood studs.
- Can be used to support computer, CATV, telephone, security and instrumentation cables.
- Provided with nail inserted.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).

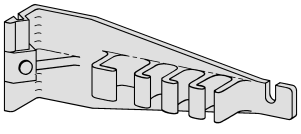
APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BRC1	Wood Stud Cable Fastener	02941	50
BRC2	Furring Strip Cable Fastener	02942	50



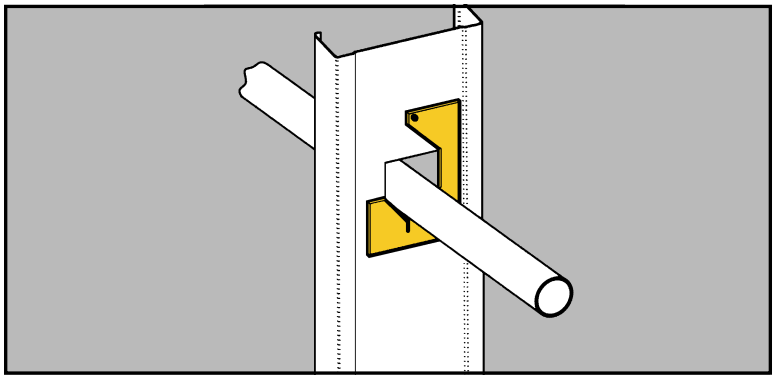
BRC1



BRC2

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

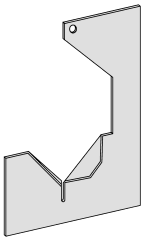
Conduit/Cable Supports



APPLICATIONS

FEATURES

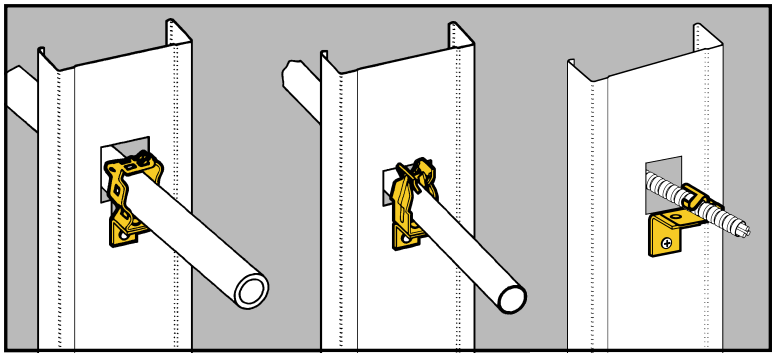
- Allows conduit, flexible conduit (BX), armored cable (AC) or metal clad cable (MC) to be pulled through metal studs.
- Provides support for horizontal runs of conduit or cable through metal studs.
- Prevents conduit/cable rattling.



c UL us

PART NUMBER	CONDUIT/CABLE SIZE	UPC NO. 781011	BOX QTY.
BX82	Up to 1”	01657	100

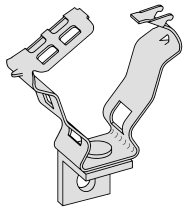
Conduit/Cable Supports



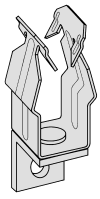
APPLICATIONS

FEATURES

- Supports horizontal runs of conduit, flexible conduit (BX), armored cable (AC), or metal clad (MC) cable through metal studs.
- Attaches easily with a single sheet metal screw.
- Prevents conduit/cable rattling.



(BG)



(BP)

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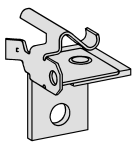
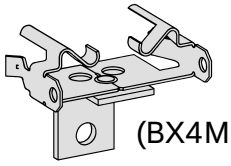


(BX4)



(BX4M)

c UL us

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-H7	3/8" or BX	01228	100
BG-8-12-H7	1/2" or 3/4"	01238	100
		Patent #4958792	
BP-8-H7	1/2" EMT	01227	100
BP-12-H7	3/4" EMT, 1/2" IMC, Rigid	01226	100
BX4-H7	MC, AC or BX	01200	100
BX4M-H7	MC, AC or BX	01205	100

Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

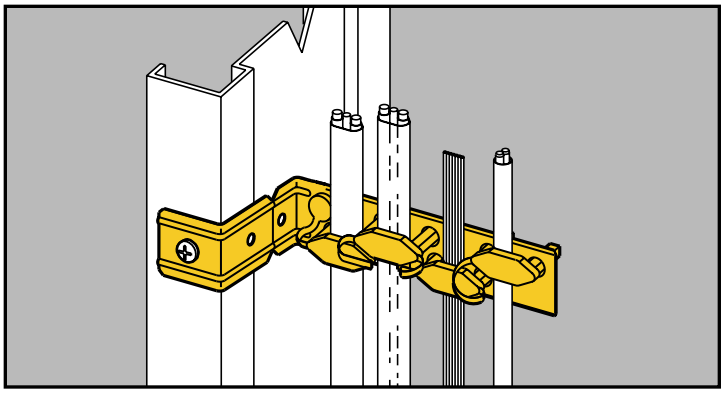
B-Line Fasteners

Staple-Lok™ Multi-Purpose Cable Support

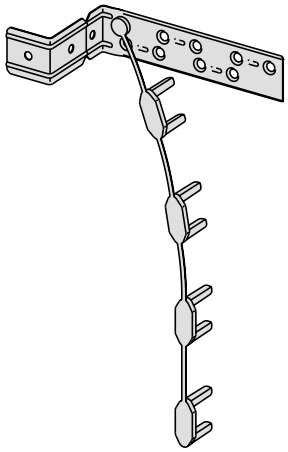
FEATURES

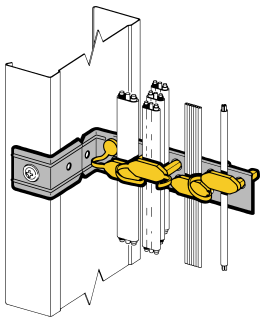
- Individual plastic staples grip cable and reduce slipping.
- Secures up through #10 type NM cable.
- Supports AC, MC or BX cable up to .500" O.D.
- Break-apart feature allows installation on studs and furring strips.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).

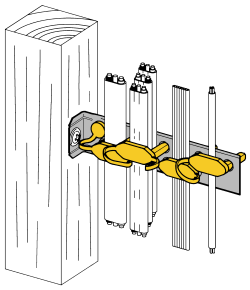
APPLICATIONS

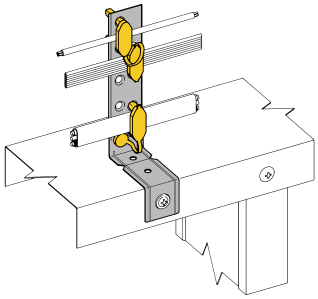


PART NUMBER	CABLE SIZE	UPC NO. 781011	BOX QTY.
BRC4	Up to .500" O.D.	03587	100









Patent #5587555

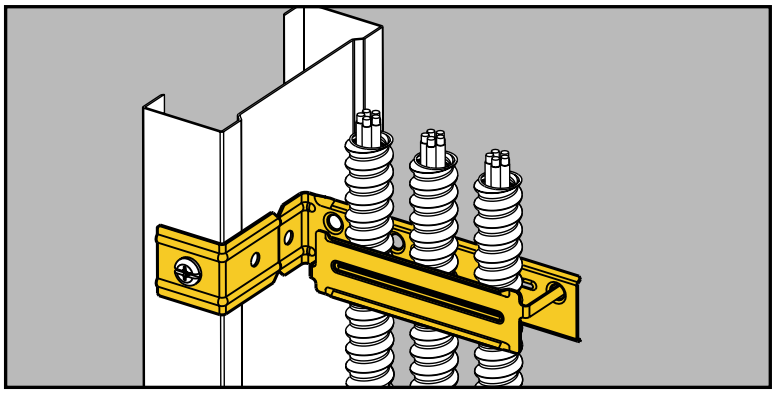
c UL us

Cable Support

FEATURES

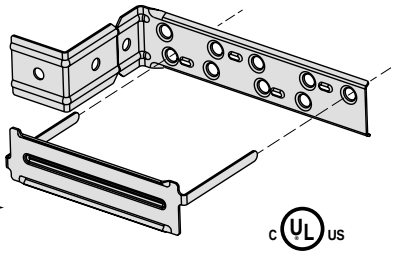
- Metal cable support can be used in plenum-rated areas.
- Single staple can support up to 6 runs of NM cable.
- Single staple can support up to 4 runs of AC, MC or BX cable.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).

APPLICATIONS



PART NUMBER	CABLE SIZE	UPC NO. 781011	BOX QTY.
BRC4M	Up to 1" O.D.	04980	100

NEW

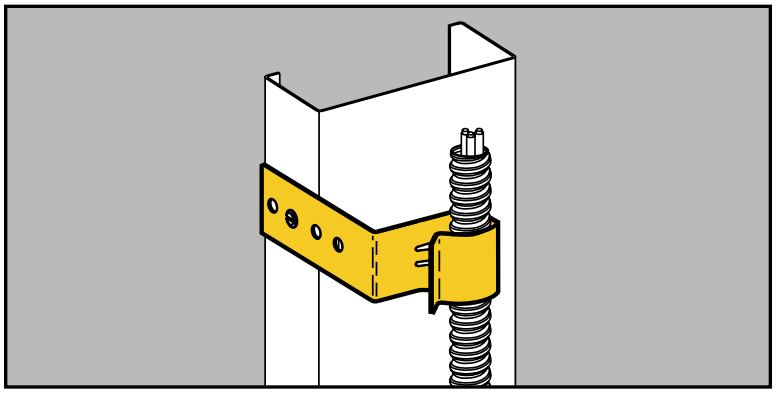


c UL us

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

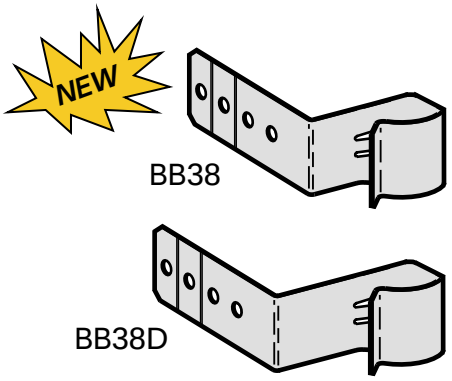
Conduit Support



APPLICATIONS

FEATURES

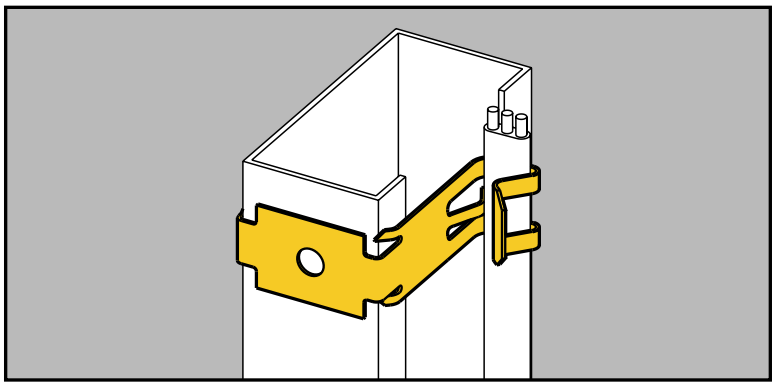
- Eliminates the need for offset bending of conduit.
- Aligns conduit with standard box knockouts.
- New design attaches MC/AC cable, 1/2" & 3/4" EMT to all metal and wood studs.
- Allows conduit to be supported within 36" of an electrical box as required by NEC Article 348-13.



c UL us

PART NUMBER	BOX DEPTH	UPC NO. 781011	BOX QTY.
BB38	1 1/2"	04265	100
BB38D	2 1/8"	95244	100

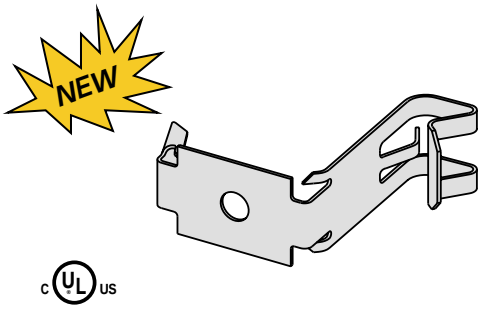
Flexible Conduit/ Cable Fasteners



APPLICATIONS

FEATURES

- New design secures Romex® sizes #14-2 w/ground thru #12-3 w/ground, MC/AC, or BX cable sizes #14-2 thru #12-3 to metal or wood studs.
- Simply installed with a hammer.
- Improved design allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).



c UL us

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX5	Secures Flexible Conduit or Cable to Metal or Wood Studs	19755	100

B-Line Fasteners

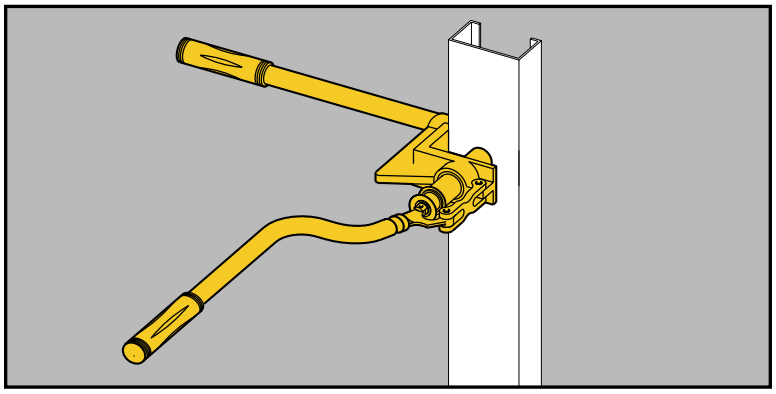
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

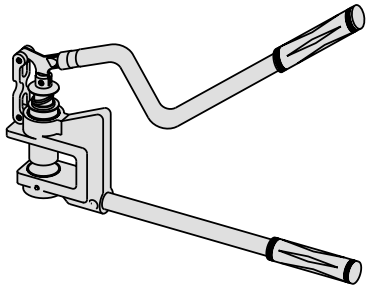
Metal Stud Punch

FEATURES

- Rugged construction easily punches 1 11/32" holes in up to 20 gauge sheet metal.
- Aluminum head provides maximum strength with minimum weight, reducing operator fatigue.
- Contoured handle design gives better operator leverage and makes it possible to punch in tight places.
- Automatically centers holes on standard studs.

APPLICATIONS





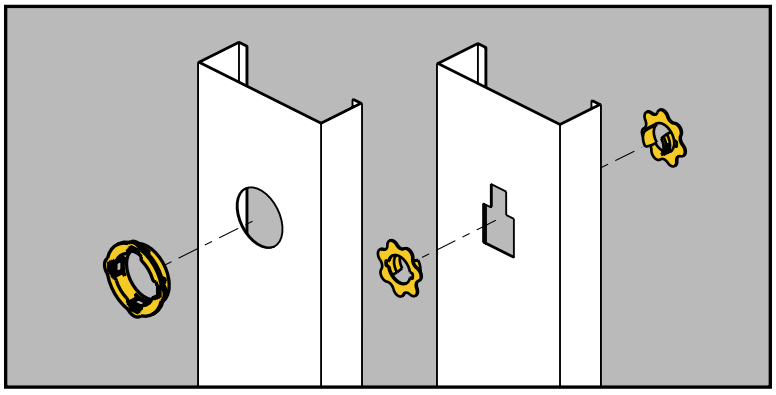
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BT25	Metal Stud Punch	01235	1

Metal Stud Grommet

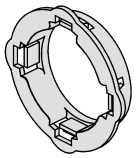
FEATURES

- BM1 snaps into standard 1 11/32" diameter holes in metal studs from 25 Ga. to 16 Ga.
- BM2 universal stud insulator fits any standard factory punched metal stud hole. Tabs snap together to provide 360° protection for cable.
- Protects wire insulation from sharp edges of metal studs in accordance with NEC Article300-4(b) (1).

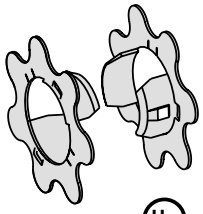
APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BM1	Plastic Grommet	19100	100
BM1M	Plastic Grommet (Bulk Quantity)	19102	1000
BM2	Universal Grommet	04926	100 pr.



BM1

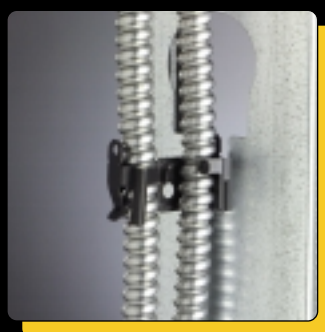


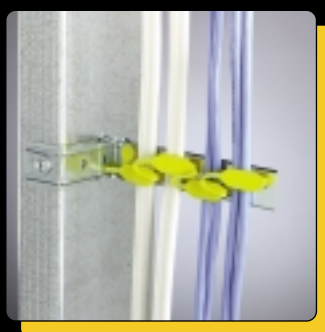
BM2

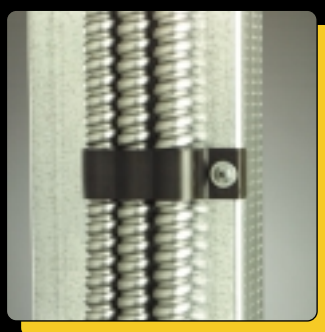
c UL us

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

Conduit & Cable





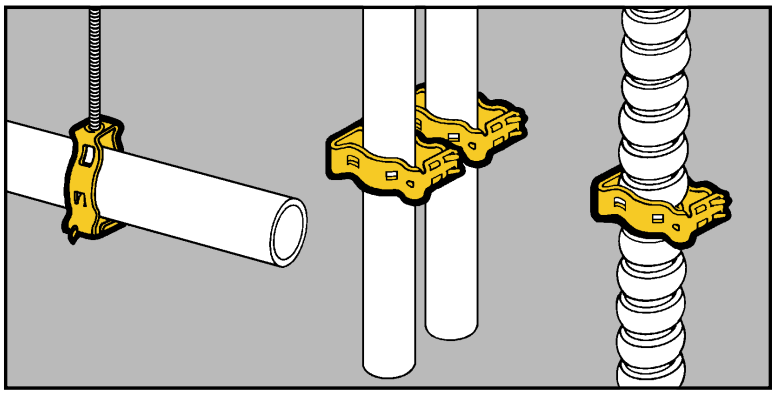


Conduit Fasteners

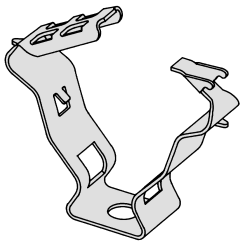
FEATURES

- Supports 3/8" to 2" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation with pliers.
- Available with clearance hole for 1/4" bolt or 1/4" -20 thread impression mounting hole.
- Static Load Capacity:
  100 Lbs. - Vertical
  25 Lbs. - Horizontal

APPLICATIONS



PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6	3/8"	18350	100
BG-8-12	1/2", 3/4"	18355	100
BG-16	1"	18360	100
BG-20	1 1/4"	18365	100
BG-24	1 1/2"	18370	100
BG-32	2"	18375	100

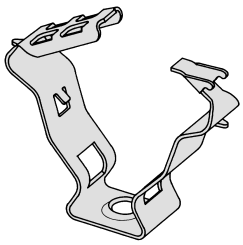


c UL us

Guide-Rite® Fastener
With Clearance Hole
For 1/4" Bolt

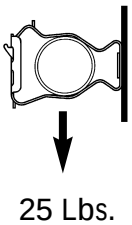
Patent #4958792

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-4T	3/8"	18380	100
BG-8-12-4T	1/2", 3/4"	18385	100
BG-16-4T	1"	18390	100
BG-20-4T	1 1/4"	18395	100
BG-24-4T	1 1/2"	18400	100
BG-32-4T	2"	18405	100



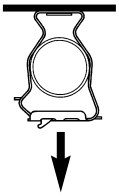
c UL us

Guide-Rite® Fastener
With 1/4"-20
Thread Impression



25 Lbs.

Static Load Capacity

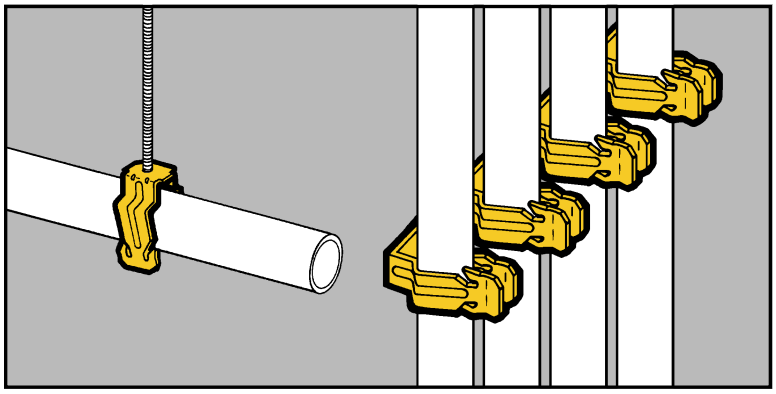


100 Lbs.

Patent #4958792

Read safety/installation instruction sheets in packages before use.

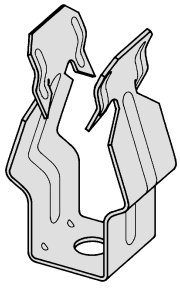
Conduit Fasteners



APPLICATIONS

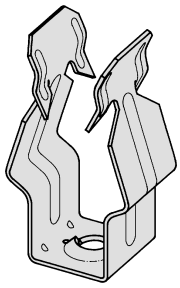
FEATURES

- Push-Type Conduit Fastener supports 1/2" thru 1" EMT; 1/2", 3/4" IMC; and 1/2", 3/4" Rigid.
- Available with clearance hole for 1/4" bolt or 1/4"-20 thread impression mounting hole.
- ***Ultimate Static Load Capacity:***
  25 Lbs. Vertical
  15 Lbs. Horizontal



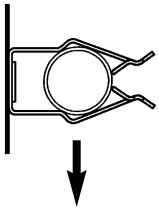
Push-Type Fastener
With Clearance Hole
For 1/4" Bolt

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BP-8	1/2" EMT	19200	100
BP-12	3/4" EMT, 1/2" IMC, Rigid	19205	100
BP-16	1" EMT, 3/4" IMC, Rigid	19210	100



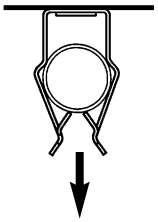
Push-Type Fastener
With 1/4"-20
Thread Impression

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BP-8-4T	1/2" EMT	19215	100
BP-12-4T	3/4" EMT, 1/2" IMC, Rigid	19220	100
BP-16-4T	1" EMT, 3/4" IMC, Rigid	19225	100



15 Lbs.

Ultimate Static Load Capacity



25 Lbs.

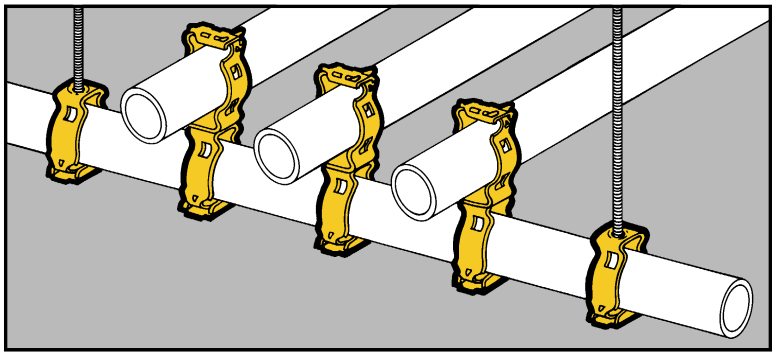
Read safety/installation instruction sheets in packages before use.

Conduit Trapeze Fasteners

FEATURES

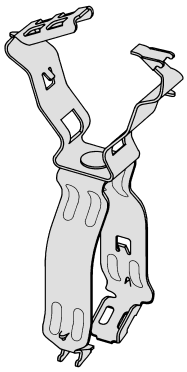
- For use with 3/8" to 2" conduit.
- **Guide-Rite®** Fastener provides for fast and easy installation with pliers.
- **Note:** Total load of trapeze must not exceed 100 Lbs.

APPLICATIONS



PART NUMBER	CONDUIT TO 1" TRAPEZE	UPC NO. 781011	BOX QTY.
BG-16-G-6	3/8"	18615	100
BG-16-G-8-12	1/2" or 3/4"	18620	100
BG-16-G-16	1"	18595	100
BG-16-G-20	1 1/4"	18600	50
BG-16-G-24	1 1/2"	18605	50
BG-16-G-32	2"	18610	50

Patent #4958792



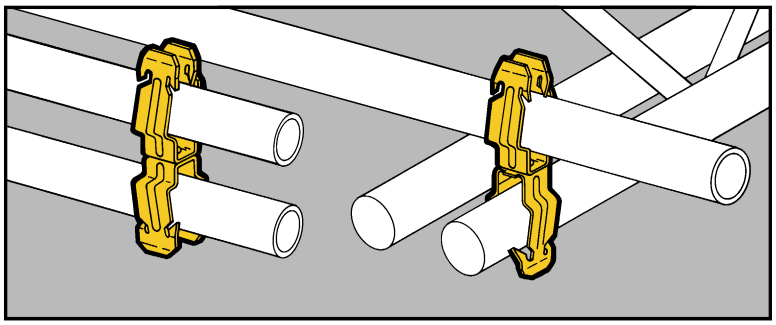
Guide-Rite® Fastener

Conduit To Conduit Fasteners

FEATURES

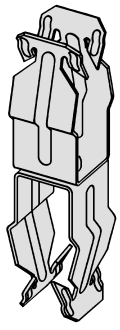
- An ideal spacer between conduits.
- No installation tools required.
- ***Ultimate Static Load Capacity:*** 25 Lbs.

APPLICATIONS



PART NUMBER	EMT CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BP-8-P-8	1/2" to 1/2"	19305	100
BP-8-P-12	1/2" to 3/4"	19295	100
BP-8-P-16	1/2" to 1"	19300	100
BP-12-P-12	3/4" to 3/4"	19395	100
BP-12-P-16	3/4" to 1"	19400	100
BP-16-P-16	1" to 1"	19485	100

Note: For rigid conduit with BP series, use next size larger fastener (1/2" Rigid use BP-12).



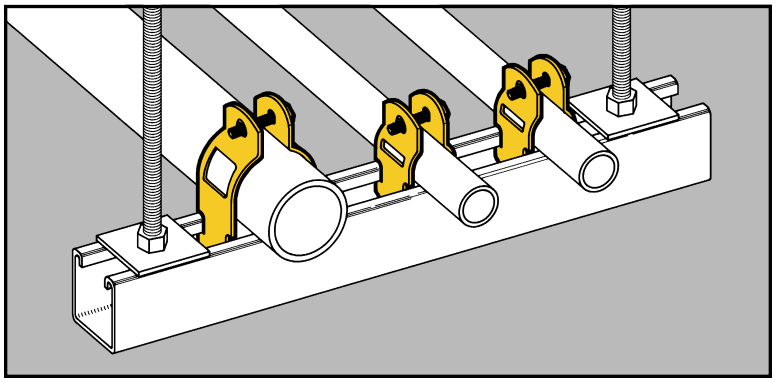
Push-Type Fastener

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

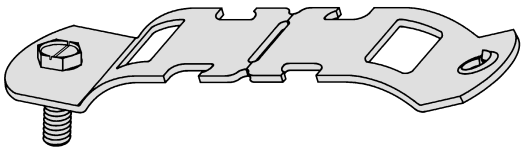
Break-Apart Conduit Clamps

APPLICATIONS



FEATURES

- Unique patented Multi-Grip design fits Rigid, IMC or EMT conduit.
- Convenient one-piece design with 5/16"-18 thread impression and retained bolt eliminates handling of separate nuts and bolts.
- Break-apart feature speeds installation.
- Finish: Zinc-Plated.
- Static Load Capacity: 200 Lbs.



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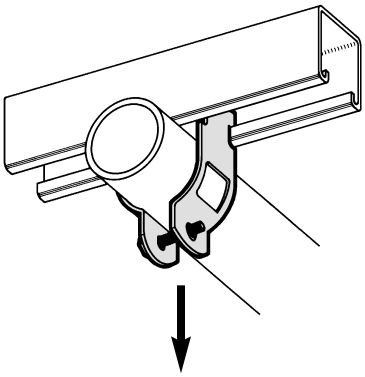
Static Load Capacity



200 Lbs.

PART NUMBER	RIGID OR EMT CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BPC-8	1/2"	01676	100
BPC-12	3/4"	01677	100
BPC-16	1"	01680	100
BPC-20	1 1/4"	01679	50
BPC-24	1 1/2"	01678	50
BPC-32	2"	01681	50
BPC-40	2 1/2"	03977	50
BPC-48	3"	03978	50
BPC-56	3 1/2"	03979	25
BPC-64	4"	03981	25

Patent #4044428

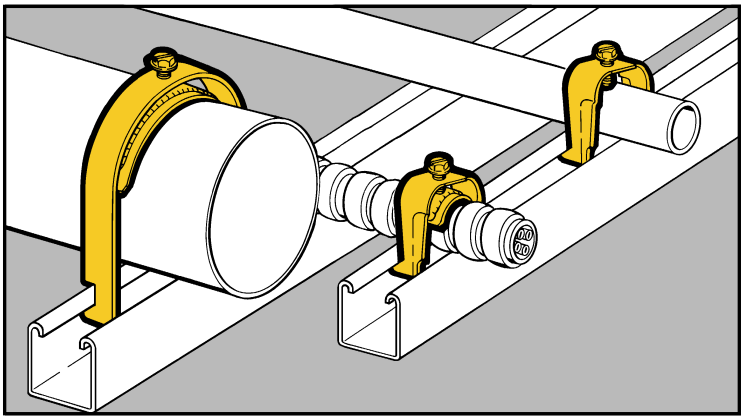
Read safety/installation instruction sheets in packages before use.

Conduit Strut Clamps

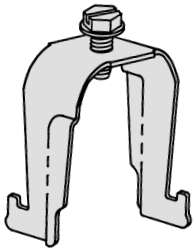
FEATURES

- Attaches conduit, flexible conduit or cables to standard strut channels.
- Unique one-piece design eliminates handling of nuts and bolts and allows for easy installation and removal in side-by-side conduit runs.
- Anti-rock feature prevents clamp from disengaging during installation.
- All sizes available with saddle. Sizes 1/2" thru 1 1/4" available with or without saddle.
- Finish: Zinc-Plated

APPLICATIONS

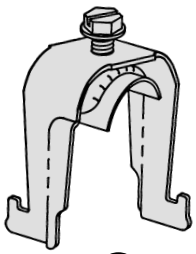


PART NUMBER	CONDUIT SIZE		O.D. RANGE		STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
	EMT	RIGID	MIN	MAX			
B1508	1/2"	--	--	--	200 Lbs.	63150	100
B1512	3/4"	1/2"	--	--	200 Lbs.	63154	100
B1516	1"	3/4"	--	--	300 Lbs.	63157	100
B1520	1 1/4"	1"	--	--	300 Lbs.	63160	100



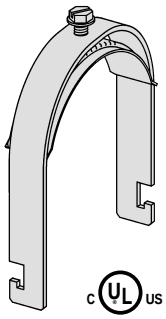
Patent # 5022614
Note: Clamps without saddle are not recommended for flexible conduit or cable.

B1508S	1/2"	--	.250	.680	200 Lbs.	63164	100
B1512S	3/4"	1/2"	.500	.840	200 Lbs.	63168	100
B1516S	1"	3/4"	.750	1.050	300 Lbs.	63171	100
B1520S	1 1/4"	1"	1.125	1.315	300 Lbs.	63177	100
B1524S	1 1/2"	1 1/4"	1.375	1.660	400 Lbs.	63182	50



Patent # 5022614

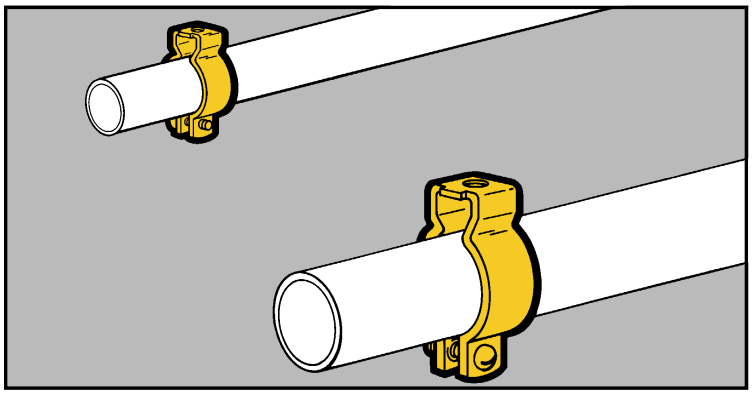
B1532S	2"	1 1/2"	1.875	2.200	400 Lbs.	63188	50
B1534S	--	2"	2.125	2.375	400 Lbs.	63193	25
B1540S	2 1/2"	2 1/2"	2.625	2.875	400 Lbs.	63199	25
B1548S	3"	3"	3.250	3.500	400 Lbs.	63205	25
B1556S	3 1/2"	3 1/2"	3.750	4.000	400 Lbs.	63211	10
B1564S	4"	4"	4.250	4.500	400 Lbs.	63215	10



Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

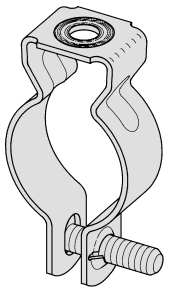
Conduit Hangers



APPLICATIONS

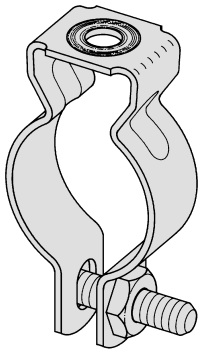
FEATURES

- For use with 1/2" thru 4" Conduit.
- Easily installed for both vertical and horizontal applications.
- Finish: Zinc-Plated
- Conduit Hangers also available in Type 304 Stainless Steel. Contact factory for details.
- Static Load Capacity: 400 lbs.



With Bolt And Thread Impression

PART NUMBER	TRADE SIZE	CONDUIT SIZE RIGID	CONDUIT SIZE EMT	UPC NO. 781011	BOX QTY.
BL1400*	0	1/2"	1/2"	19800	100
BL1410*	1	3/4"	3/4"	19801	100
BL1420*	2	1"	1"	19802	100
BL1425*	2.5	--	1 1/4"	19803	100
BL1430*	3	1 1/4"	1 1/2"	19804	100
BL1440†	4	1 1/2"	--	19805	50
BL1450†	5	2"	2"	19806	50
BL1460†	6	2 1/2"	2 1/2"	19807	25
BL1470†	7	3"	3"	19808	25
BL1480†	8	3 1/2"	3 1/2"	19809	10
BL1490†	9	4"	4"	19810	10



With Bolt & Nut

* 9/32" mounting hole. † 11/32" mounting hole.

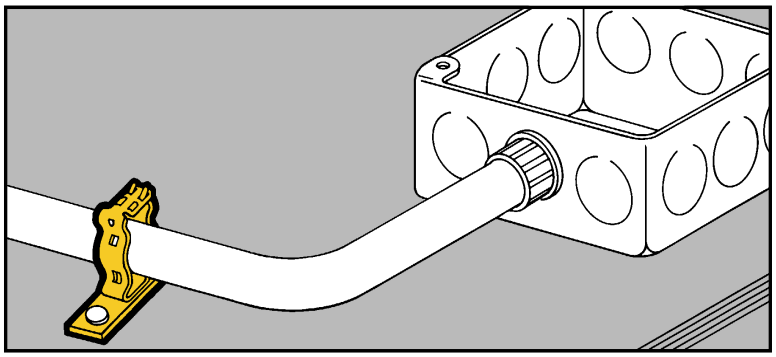
Read safety/installation instruction sheets in packages before use.

Conduit Spacer Brackets

FEATURES

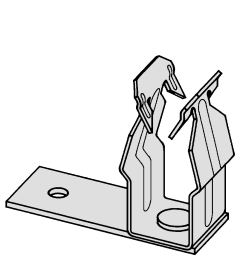
- Eliminates the need for offset bends when used with 1 1/2" deep boxes.
- Attaches conduit to concrete, steel or wood with nails.
- May be attached after conduit positioning.

APPLICATIONS

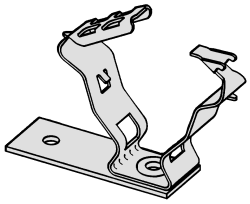


PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-8-12-D3	1/2" or 3/4"	18495	100
BP-8-D3	1/2" EMT	19265	100
BP-12-D3	3/4" EMT or 1/2" IMC, Rigid	19365	100

Patent #4958792



BP



BG

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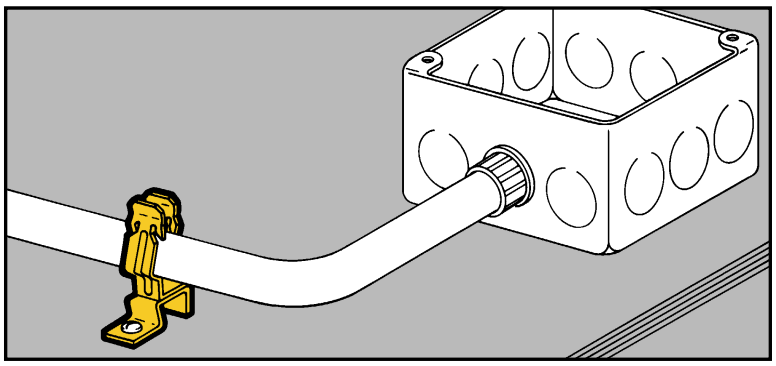
FEATURES

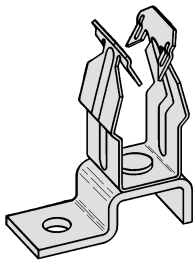
- Eliminates the need for offset bends when used with 2 1/8" deep boxes.
- Provides secure support between conduit and deck.
- D4 Series is easily installed with screw gun or powder actuated tools.
- Allows for complete conduit layout prior to anchoring.

APPLICATIONS

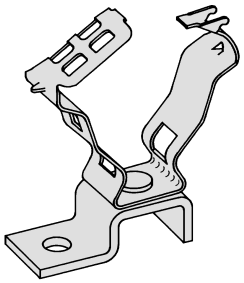


PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-8-12-D4	1/2" or 3/4"	18500	100
BP-8-D4	1/2" EMT	19270	100
BP-12-D4	3/4" EMT 1/2" IMC, Rigid	19370	100
BP-16-D4	1" EMT, 3/4" IMC, Rigid	19460	100

Patent #4958792



BP



BG

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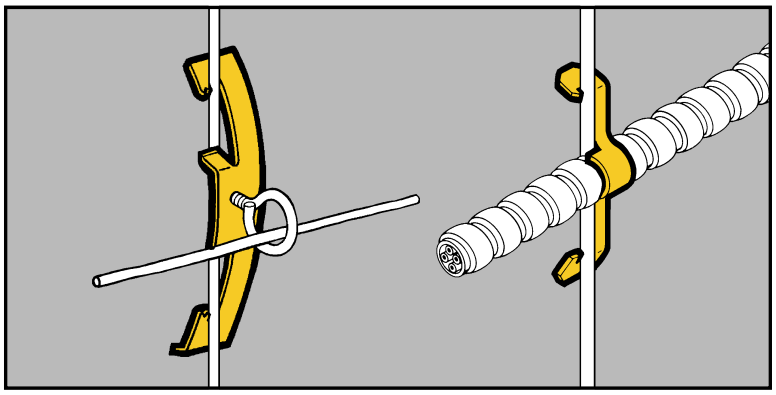
Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

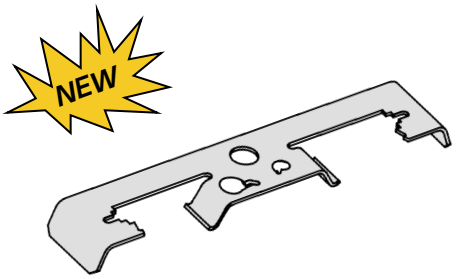
Rod & Wire Fasteners

APPLICATIONS

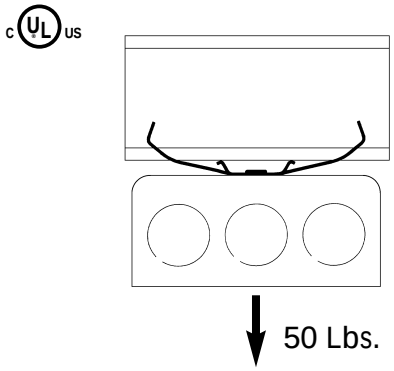


FEATURES

- BW2 and BW6 support #10-24 or 1/4"-20 threaded bridle rings and provide easy attachment of electrical boxes.
- BW4 supports cables from #12 thru #8 wire in vertical or horizontal applications.



PART NUMBER	WIRE SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BW2	#12 wire thru 1/4" plain rod	1/8" - 3/8"	19700	100
BW6	3/8" plain or threaded rod	3/8" - 7/16"	95516	100

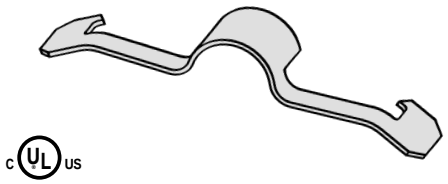


Static Load Capacity

Static Load Capacity

Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BW4	Multi-size Wire Fastener	19705	100



Cable Size	#12 Wire	#10 Wire	#8 & #9 Wire
14-2 Cable	BW4	BW4	BW4
14-3 Cable	BW4	BW4	BW4
12-2 Cable	BW4	BW4	BW4
12-3 Cable	BW4	BW-8	BW-8

Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

These products are designed for positioning only. No load rating.

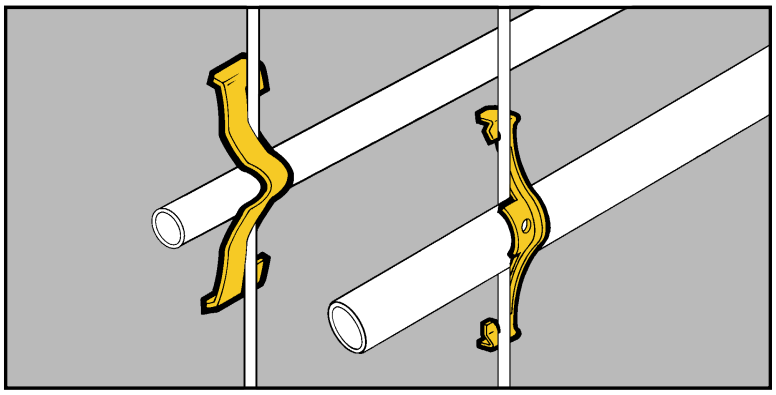
Read safety/installation instruction sheets in packages before use.

Rod & Wire Fasteners

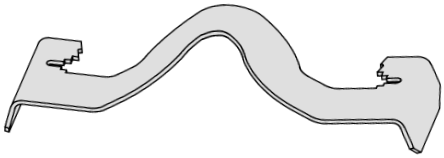
FEATURES

- Attaches conduit to rods or flanges.
- Can be used for flexible metallic tubing, armored cable, portable cable, control cable, and communication cable.

APPLICATIONS



PART NUMBER	UPC NO. 781011	BOX QTY.
BW-8	19710	100
BW-12	19715	100



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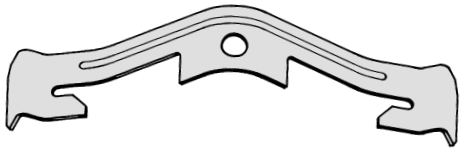
BW-16	19720	100
BW-20	19725	100



c UL us

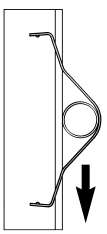
Note: An independent means of support is required by NEC Article 300-11.
Refer to pages 136 to 139 for additional support methods.

Conduit Size	#10 & #12 Wire	#8 & #9 Wire	3/16" & 1/4" Rod	1/8" to 1/4" Flange	5/16" to 3/8" Flange	7/16" to 1/2" Flange
1/2" EMT	BW-8	BW-8	BW-8	BW-8	BW-12	BW-12
1/2" RIGID	BW-8	BW-12	BW-12	BW-12	BW-12	BW-16
3/4" EMT	BW-12	BW-12	BW-12	BW-12	BW-16	BW-16
3/4" RIGID	BW-12	BW-12	BW-16	BW-16	BW-20*	BW-20*
1" EMT	---	BW-16	BW-16	BW-16	BW-20*	BW-20*
1" RIGID	---	---	---	BW-20*	BW-20*	BW-20*
1 1/4" EMT	---	BW-20	BW-20	BW-20	---	---

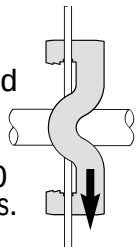
*Note: For horizontal applications only.

Static Load Capacity

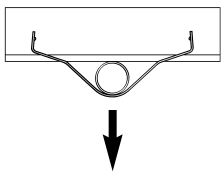
Vertical Flange — 25 Lbs.



Vertical Wire or Rod — 50 Lbs.



Horizontal Flange — 100 Lbs.

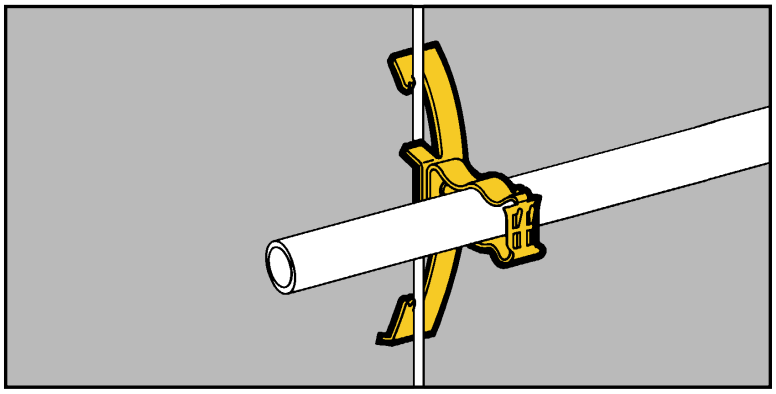


Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

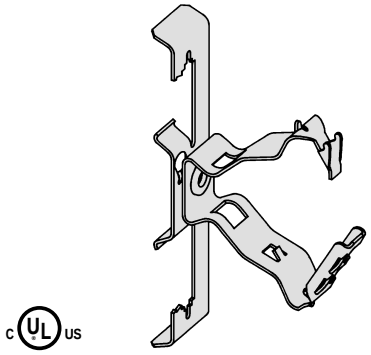
Conduit To Rod Fasteners

APPLICATIONS



FEATURES

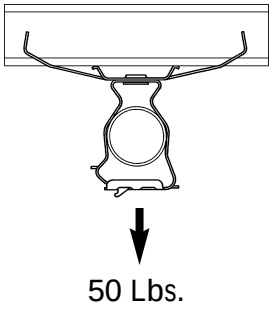
- Assemblies support 1/2", 3/4" and 1"conduit.
- W2 series attaches to 1/8" thru 3/8" flanges or #12 wire thru 1/4" plain rod.
- W6 series attaches to 3/8" thru 7/16" flanges or 3/8" plain or threaded rod.



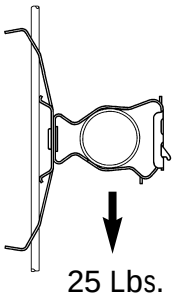
Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-8-12-W2	1/2", 3/4"	18540	100
BG-16-W2	1"	18640	100
BG-8-12-W6	1/2", 3/4"	95519	100
BG-16-W6	1"	95520	100

Patent #4958792



Static Load Capacity



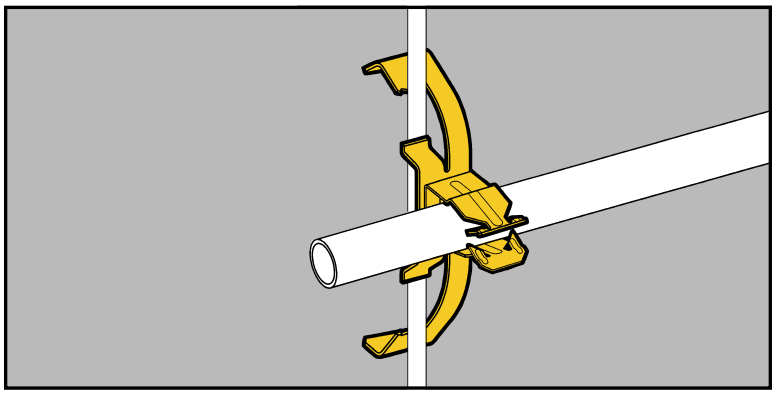
Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

Conduit To Rod Fasteners

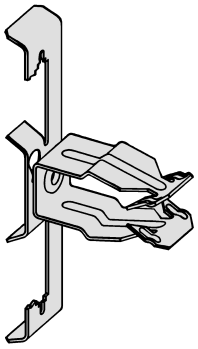
FEATURES

- Assemblies support 1/2", 3/4" and 1"conduit.
- W2 series attaches to 1/8" thru 3/8" flanges or #12 wire thru 1/4" plain rod.
- W6 series attaches to 3/8" thru 7/16" flanges or 3/8" plain or threaded rod.

APPLICATIONS

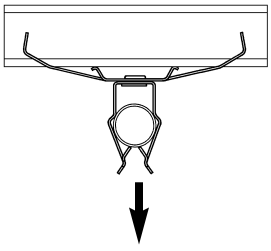


PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BP-8-W2	1/2" EMT	19325	100
BP-12-W2	3/4" EMT, 1/2" IMC, Rigid	19420	100
BP-16-W2	1" EMT, 3/4" IMC, Rigid	19505	100
BP-8-W6	1/2" EMT	95521	100
BP-12-W6	3/4" EMT, 1/2" IMC, Rigid	95522	100
BP-16-W6	1" EMT, 3/4" IMC, Rigid	95523	100



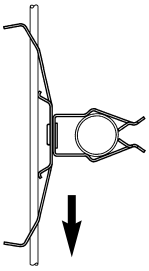
c UL us

Push-Type Fastener



25 Lbs.

Ultimate Static Load Capacity



15 Lbs.

Note: An independent means of support is required by NEC Article 300-11.
Refer to pages 136 to 139 for additional support methods.

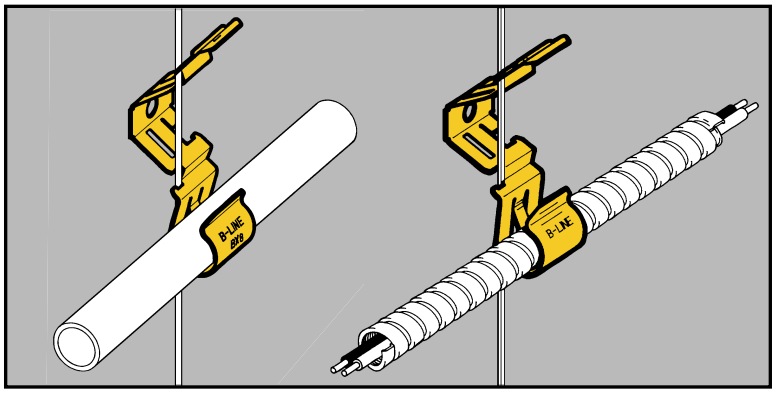
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Cable/Conduit To Wire Fasteners

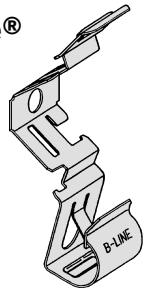
APPLICATIONS

FEATURES



- Will not bend or deform hanger wire.
- Attaches to #12, #10, #9, #8 hanger wire and 1/4" plain rod.
- Accommodates MC, AC, 3/8" flex conduit (BX) or 1/2" EMT.
- Cable can be snapped into fastener before or after attachment to drop wire.
- Static Load Capacity: BX-8 - 20 Lbs. • BX-18 - 30 Lbs.

Flex-Rite®



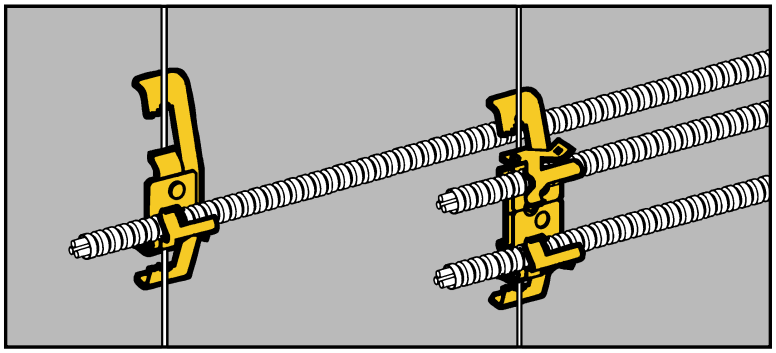
PART NUMBER	CABLE/CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BX-8	.375" to .706" O.D.	01402	100
BX-18	.706" to 1.380" O.D.	02943	100
BX-8B	Bulk Packed in Fiber Barrels	01685	4000

Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

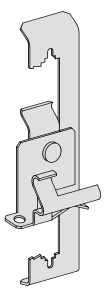
Cable To Rod Fasteners

APPLICATIONS

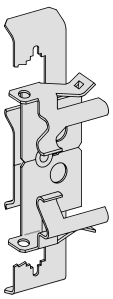
FEATURES



- Assemblies support single or double runs of MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX).
- W2 series attaches to 1/8" thru 3/8" flanges or #12 wire thru 1/4" plain rod.
- W6 series attaches to 3/8" thru 7/16" flanges or 3/8" plain or threaded rod.



BX4-W2



BX4M-W2

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4-W2	Single Runs	01219	100
BX4M-W2	Double Runs	01189	100
BX4-W6	Single Runs	95517	100
BX4M-W6	Double Runs	95518	100

Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

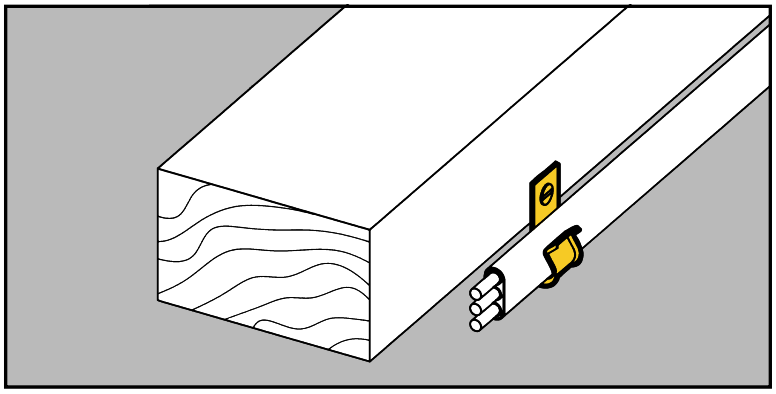
Read safety/installation instruction sheets in packages before use.

Cable Fasteners

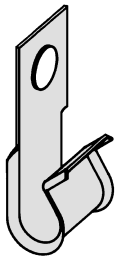
FEATURES

- Attaches Type NM cable to most structures.
- Supports cable sizes #14-2 and #12-2 with ground wire.
- May be used with other B-Line fasteners for attachment to acoustical tees, beams, drop wires, etc.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BRC3	Type NM Cable Fastener	03553	100



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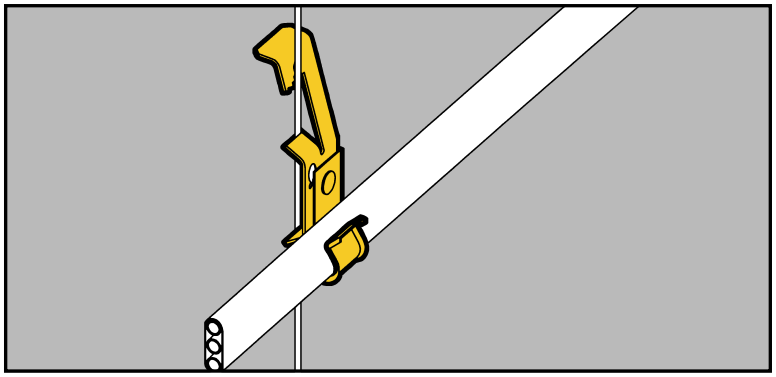
Cable Fasteners

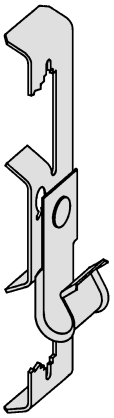
FEATURES

- Supports cable sizes #14-2 and #12-2 with ground wire.
- W2 series supports cable from #12 wire thru 1/4" plain rod.
- W6 series supports cable from 3/8" plain or threaded rod.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BRC3-W2	Type NM Cable To Wire Fastener	03547	100
BRC3-W6	Type NM Cable To Wire Fastener	95524	100

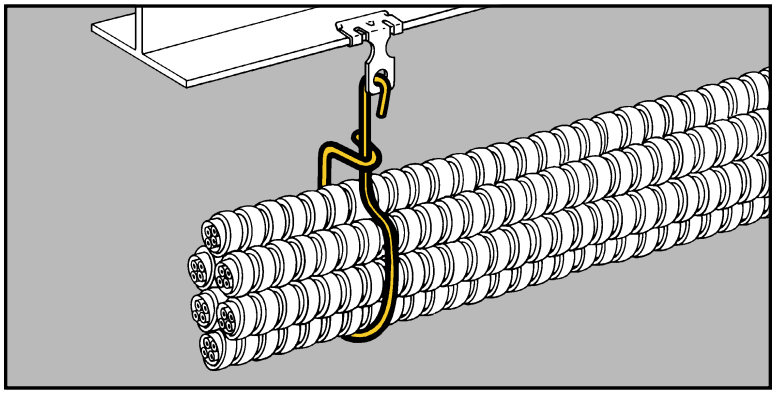


c UL us

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

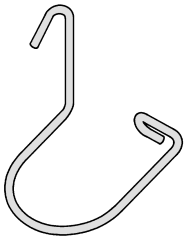
Flexible Cable Support



APPLICATIONS

FEATURES

- Designed to support multiple runs of MC, AC, flexible conduit (BX) or communication cable.
- BX2 -- New smaller size.
- Can be used with beam clamps, hangers or flange clips BC1, BH7, BH8, BF3 and BF4.
- Static Load Capacity:
  BX2 - 50 lbs.
  BX6 & BX24 - 75 Lbs.



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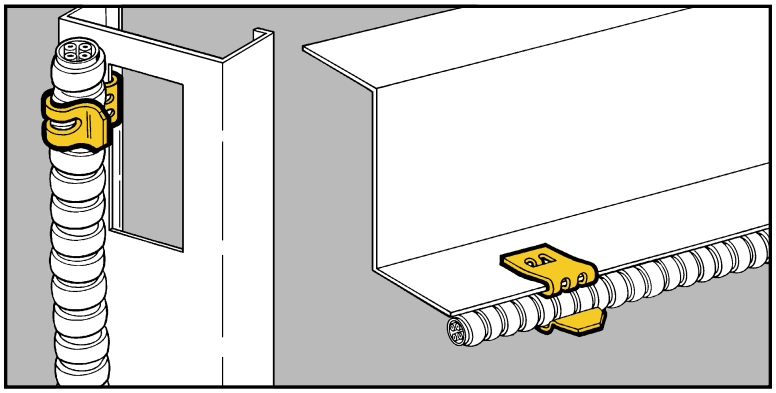
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX2	Usable Area = 2 sq. in.	04934	100
BX6	Usable Area = 4 sq. in.	19765	100
BX24	Usable Area = 13 sq. in.	19766	100

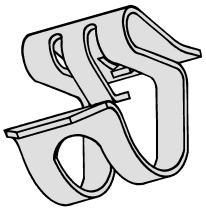
Flexible Conduit/ Cable Fasteners



APPLICATIONS

FEATURES

- Fastens flexible conduit and other small cables to beam flanges, bar joists or metal studs.
- Cable O.D. range of 0.42” to 0.70”.
- Maximum flange thickness 5/32”.



c UL us

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX9	Flexible Conduit Fastener	19770	100

B-Line Fasteners

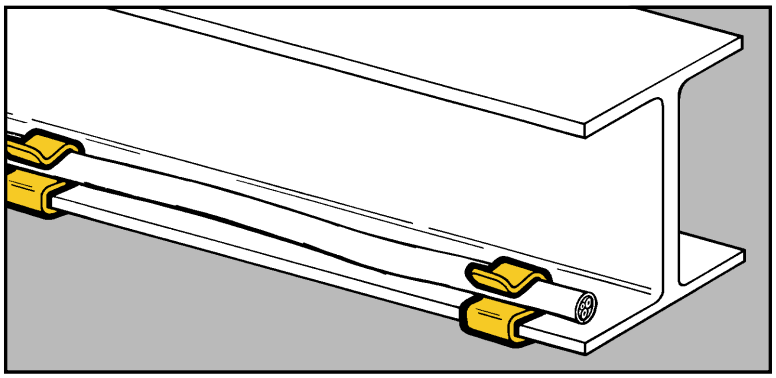
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Flexible Conduit/ Cable Fasteners

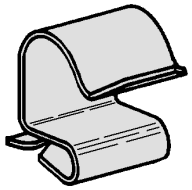
FEATURES

- Supports cable or flexible conduit along flanges 1/16" to 3/4" thick.
- Accepts cable or conduit from .225 to 1.181 inches in diameter.
- The BFA series flange adaptors allow BXS series to be attached to thicker flanges.
- Easy installation with no tools required.

APPLICATIONS



PART NUMBER	FLANGE THICKNESS	CABLE DIAMETER	ROMEX WIRE W/GROUND	UPC NO. 781011	BOX QTY.
BXS-67	1/16" to 5/32"	.225 to .276	14-2,12-2,10-2	19973	100
BXS-89	1/16" to 5/32"	.290 to .354	--	19974	100
BXS-1011	1/16" to 5/32"	.393 to .433	14-3,12-3	19975	100
BXS-1214	1/16" to 5/32"	.440 to .551	10-3	19976	100
BXS-1519	1/16" to 5/32"	.570 to .709	--	19977	100
BXS-2024	1/16" to 5/32"	.748 to .945	--	19978	100
BXS-2530	1/16" to 5/32"	.984 to 1.181	--	19979	100
BXM-67	5/32" to 9/32"	.225 to .276	14-2,12-2,10-2	19980	100
BXM-89	5/32" to 9/32"	.290 to .354	--	19981	100
BXM-1011	5/32" to 9/32"	.393 to .433	14-3,12-3	19982	100
BXM-1214	5/32" to 9/32"	.440 to .551	10-3	19983	100
BXM-1519	5/32" to 9/32"	.570 to .709	--	19984	100
BXM-2024	5/32" to 9/32"	.748 to .945	--	19985	100
BXM-2530	5/32" to 9/32"	.984 to 1.181	--	19986	100
BXL-67	5/16" to 1/2"	.225 to .276	14-2,12-2,10-2	19987	100
BXL-89	5/16" to 1/2"	.290 to .354	--	19988	100
BXL-1011	5/16" to 1/2"	.393 to .433	14-3,12-3	19989	100
BXL-1214	5/16" to 1/2"	.440 to .551	10-3	19990	100
BXL-1519	5/16" to 1/2"	.570 to .709	--	19991	100
BXL-2024	5/16" to 1/2"	.748 to .945	--	19992	100
BXL-2530	5/16" to 1/2"	.984 to 1.181	--	19993	100
BFA-1215	1/2" to 5/8"	---	--	19955	100
BFA-1520	5/8" to 3/4"	---	--	19956	100



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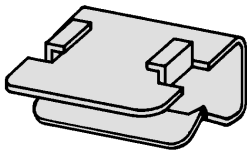
BX Series Zinc-Plated Finish



c UL us

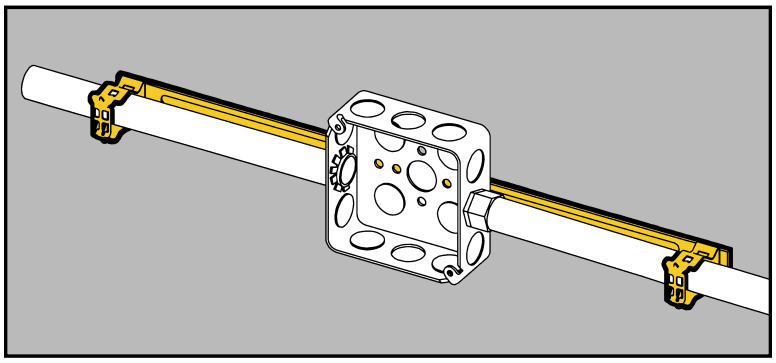
BFA Series (For Use with BXS Series Only) Zinc-Plated Finish

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

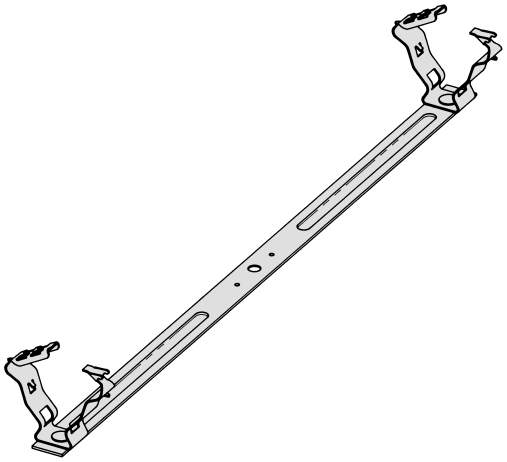
Conduit & Box Support Fasteners

APPLICATIONS



FEATURES

- Secures conduit and electrical boxes to most structures.
- Provides support for conduit on either side of electrical box.
- Static load capacity: 25 lbs.
- Complies with NEC Article 300-11 and 348-13.



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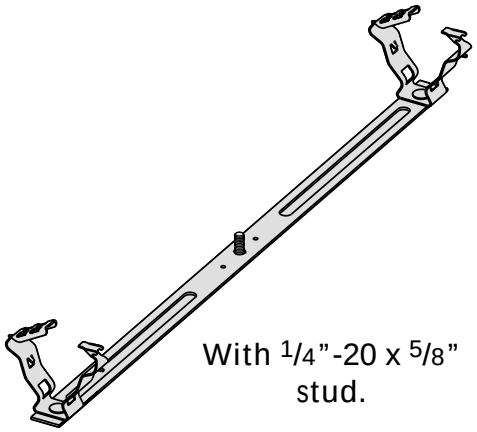
PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-S18	3/8"	03575	25
BG-8-12-S18	1/2", 3/4"	03573	25
BG-16-S18	1"	03574	25



With 1/4"-20 x 5/8" stud.

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BG-8-12-S18-S	1/2", 3/4"	04979	25

Patent #4958792

Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

Read safety/installation instruction sheets in packages before use.

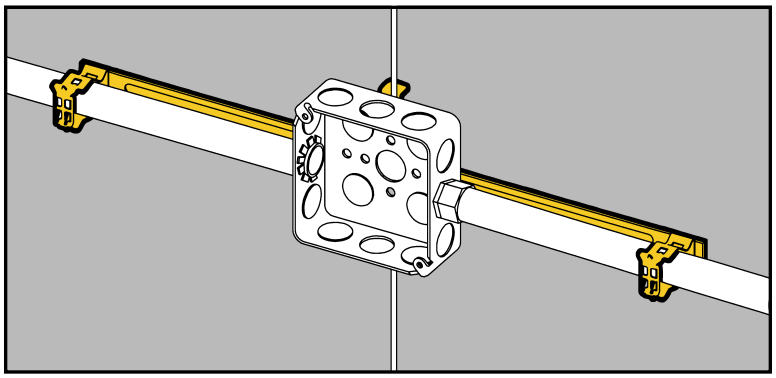
B-Line Fasteners

Conduit & Box Support Fasteners

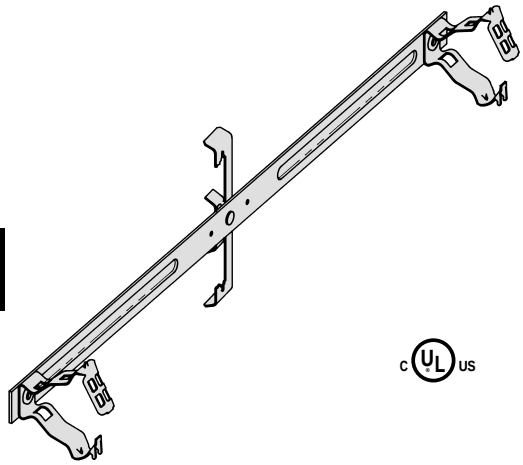
FEATURES

- Provides support for conduit on either side of electrical box.
- W2 series attaches to #12 wire thru 1/4" plain rod.
- W6 series attaches to 3/8" plain or threaded rod.
- Complies with NEC Article 300-11 and 348-13.

APPLICATIONS

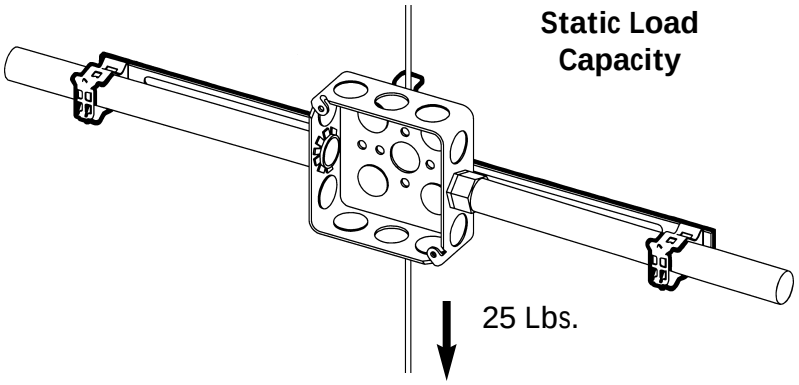


PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-S18-W2	3/8"	03578	25
BG-8-12-S18-W2	1/2", 3/4"	03576	25
BG-16-S18-W2	1"	03577	25



PART NUMBER	CONDUIT SIZE	UPC NO. 782051	BOX QTY.
BG-6-S18-W6	3/8"	11425	25
BG-8-12-S18-W6	1/2", 3/4"	11422	25
BG-16-S18-W6	1"	11423	25

Static Load Capacity



Patent #4958792

Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

Read safety/installation instruction sheets in packages before use.

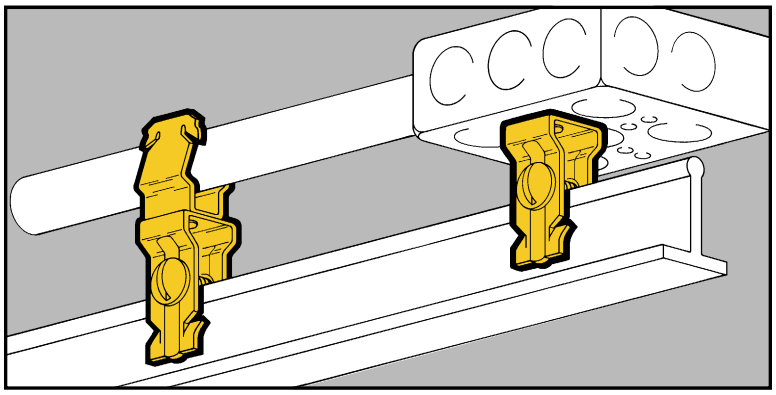
Acoustical Tee

T-Bar Support Fasteners

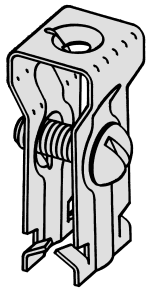
FEATURES

- Attaches to top of acoustical T-Bar with 1/4"-20 screw.
- Has 1/4"-20 thread impression for attachment to outlet box or conduit fastener.
- **Warning:** Do not use for hanging acoustical tee.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA14	T-Bar Support Clip	18090	100



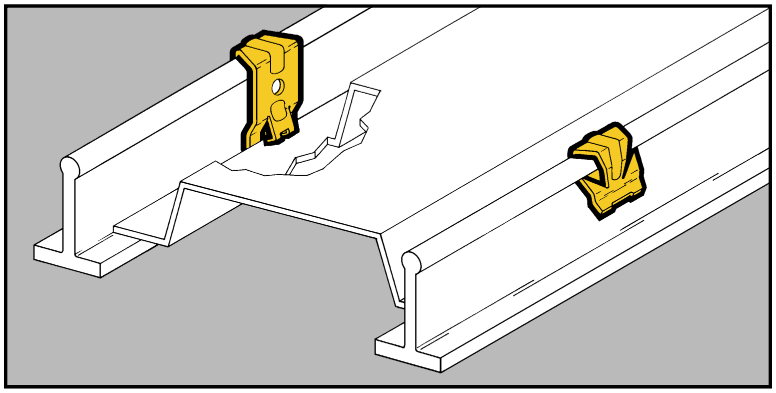
c UL us

Troffer Fasteners

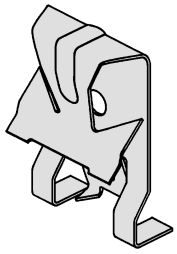
FEATURES

- Gives positive support for troffers and lay-in fixtures.
- Complies with NEC Article 410-16(c) for fixtures supported by suspended ceilings.
- Fits round or rectangular head T-Bars.
- No installation tools required.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA15	For Straight Lip or Upturned Lip Fixtures	18095	100



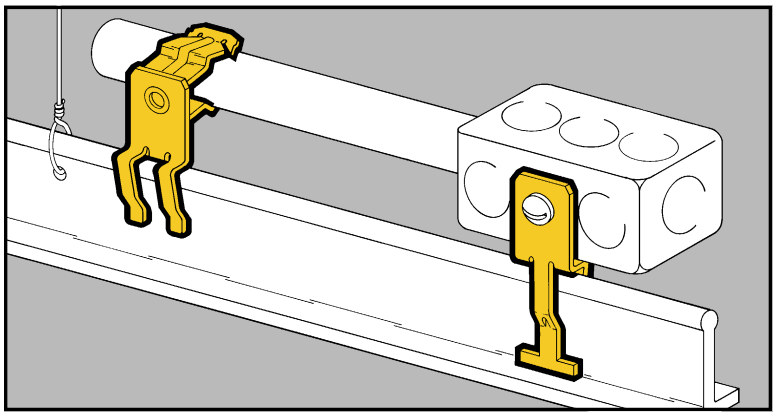
UL

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

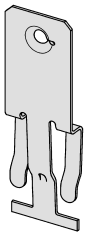
Side Mount T-Bar Fasteners

APPLICATIONS

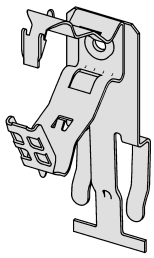


FEATURES

- A positive method for supporting vertical boxes or conduit above T-Bar.
- Allows conduit to clear drop wires.
- Accommodates 3/8" to 1" conduit.
- **Warning:** Do not use for hanging acoustical tee.



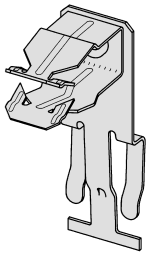
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA5-4T	With 1/4"-20 Thread Impression	18120	100



Guide-Rite® Fastener

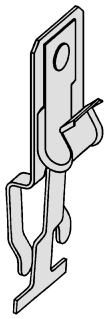
PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-A5	3/8"	18410	100
BG-8-12-A5	1/2", 3/4"	18465	100
BG-16-A5	1"	18545	100

Patent #4958792



Push-Type

BP-8-A5	1/2" EMT	19235	100
BP-12-A5	3/4" EMT, 1/2" IMC, Rigid	19335	100
BP-16-A5	1" EMT, 3/4" IMC, Rigid	19430	100



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BRC3-A5	Supports Romex® Sizes #14-2 w/g and #12-2 w/g to T-Bar	03548	100

Romex® is a trademark used by General Cable Corp.

B-Line Fasteners

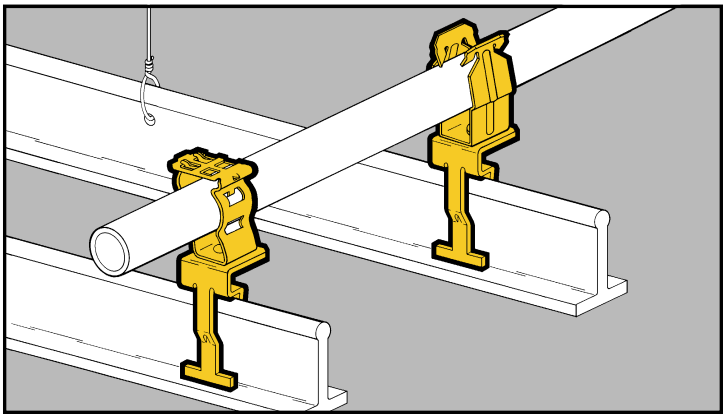
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Top Mount T-Bar Fasteners

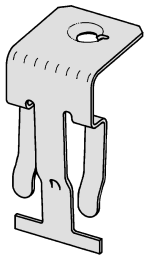
FEATURES

- A positive method for supporting horizontal boxes or conduit above T-Bar.
- Allows conduit to clear drop wires.
- Accommodates 3/8" to 1" conduit.
- **Warning:** Do not use for hanging acoustical tee.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA6-4T	With 1/4"-20 Thread Impression	18125	100



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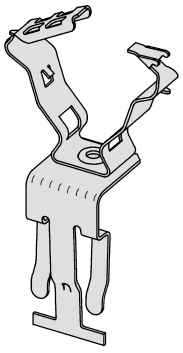
PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BG-6-A6	3/8"	18540	100
BG-8-12-A6	1/2", 3/4"	18470	100
BG-16-A6	1"	18550	100

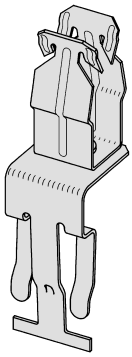


c UL us

Patent #4958792

Guide-Rite® Fastener

BP-8-A6	1/2" EMT	19240	100
BP-12-A6	3/4" EMT, 1/2" IMC, Rigid	19340	100
BP-16-A6	1" EMT, 3/4" IMC, Rigid	19435	100

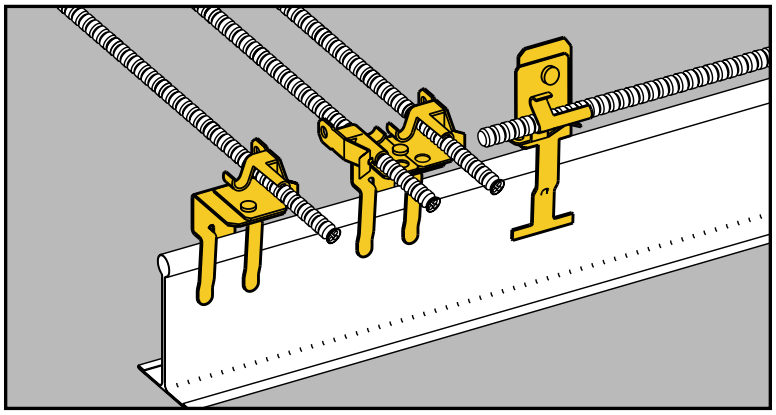


Push-Type

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

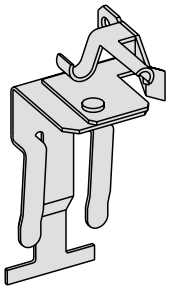
Top Mount T-Bar Fasteners

APPLICATIONS



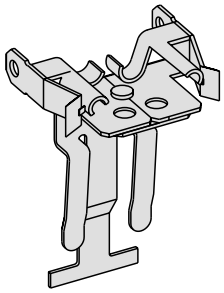
FEATURES

- A positive method for supporting cable or flexible conduit above T-Bar.
- Assemblies support single or double runs of MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX).
- No tools required for installation.



BX4-A6

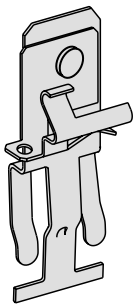
c UL us



BX4M-A6

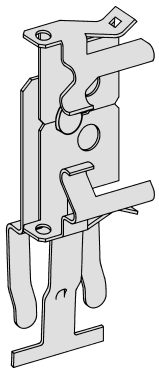
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4-A6	Single Runs	01220	100
BX4M-A6	Double Runs	01216	100

Note: Fasteners will rotate 360°.



BX4-A5

c UL us



BX4M-A5

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4-A5	Single Runs	01187	100
BX4M-A5	Double Runs	01212	100

Note: Fasteners will rotate 360°.

B-Line Fasteners

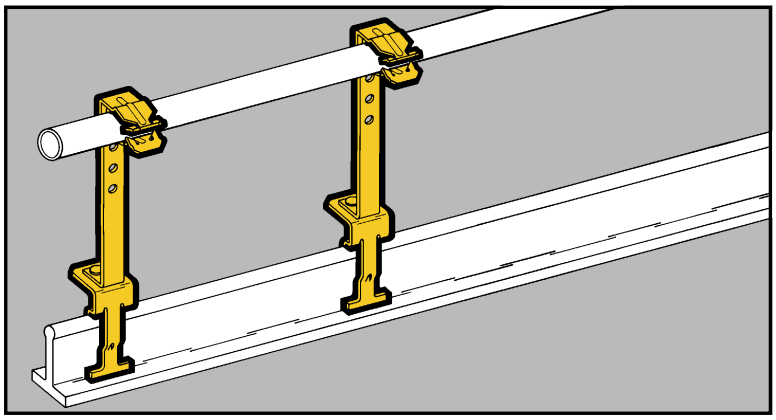
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Support Fasteners

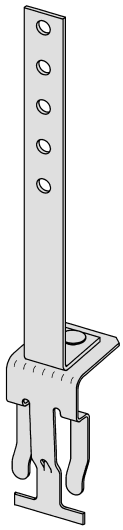
FEATURES

- Support conduit and electrical boxes above T-Bar.
- Height adjusts from 4 1/4" to 7 1/4".
- Conduit fasteners can be attached at 3/4" increments.
- BX4M-A28 supports double runs of cable or flexible conduit above T-Bar.
- No tools required for installation.

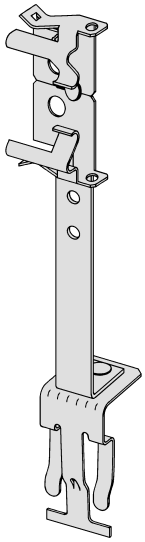
APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA28	1/4" Holes Allow for Adjustment Between 4 1/4" and 7 1/4" at 3/4" Increments.	18115	50
BX4M-A28	Double Runs MC, AC or BX.	01211	25

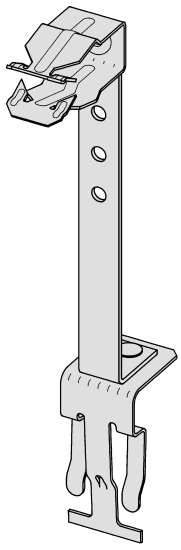


BA28



BX4M-A28

PART NUMBER	CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BP-8-A28	1/2" EMT	19230	25
BP-12-A28	3/4" EMT, 1/2" IMC, Rigid	19330	25
BP-16-A28	1" EMT, 3/4" IMC, Rigid	19425	25



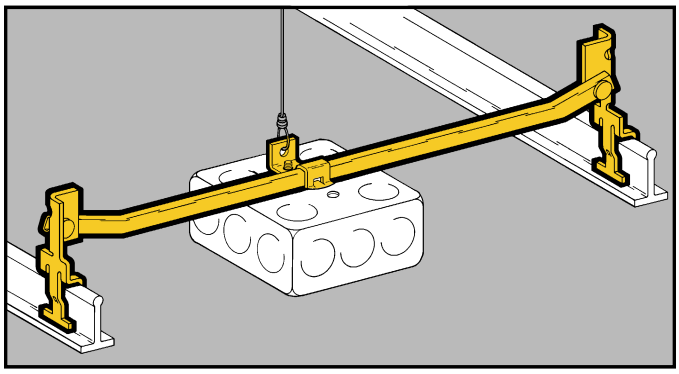
Note: Adjustable BP Conduit Fastener is attached with screw in 7 1/4" top hole position. Riveted assemblies available. (Contact Factory.)

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

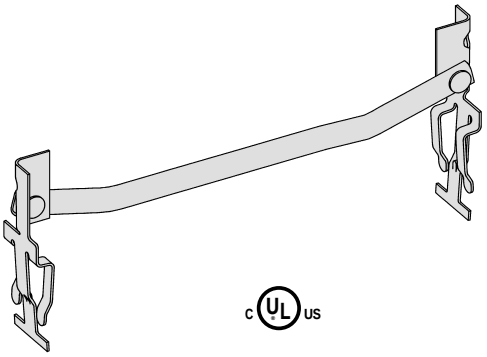
Electrical Box T-Bar Fasteners

APPLICATIONS

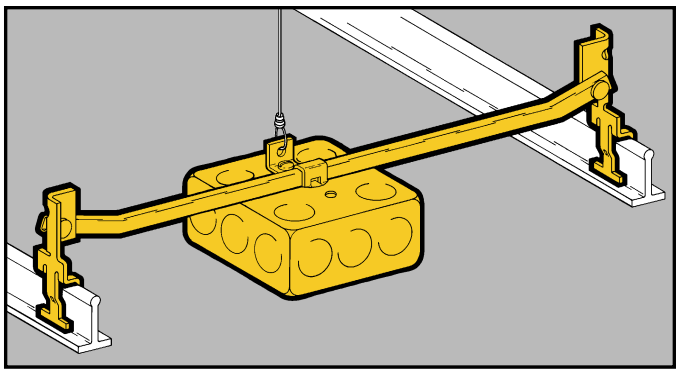
FEATURES



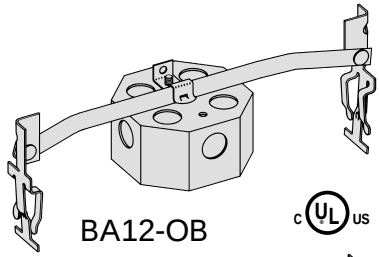
- Supports 4" octagonal or square boxes.
- Allows for flush mounting or 3/4" offset for plaster ring.
- One BB27 box mounting clip with screw is included with each hanger.
- For additional support, attach dropwire to BB27 Box Mounting Clip.
- **Warning:** Do not use for hanging acoustical tee.



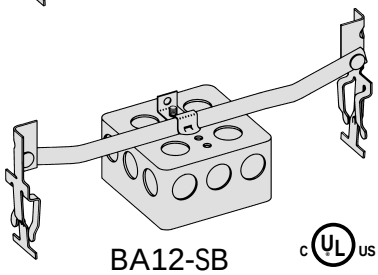
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA12	Box Hanger 24" Span	18080	50
BA12-12	Box Hanger 12" Span	18082	50
BA12-20	Box Hanger 20" Span	18085	50
BA12-30	Box Hanger 30" Span	18087	50



- 4" Electrical box preassembled on centerline of BA12 T-Bar fastener for 24" spans.
- Preassembled design speeds installation.
- Boxes have 1/2" and 3/4" knockouts.
- Loading not to exceed 20 lbs. without independent support.



BA12-OB



BA12-SB

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA12-OB-24	1 1/2" Deep Box to T-Bar Fastener	03619	10
BA12-OB-34	2 1/8" Deep Box to T-Bar Fastener	03622	10
BA12-SB-24	1 1/2" Deep Box to T-Bar Fastener	03621	10

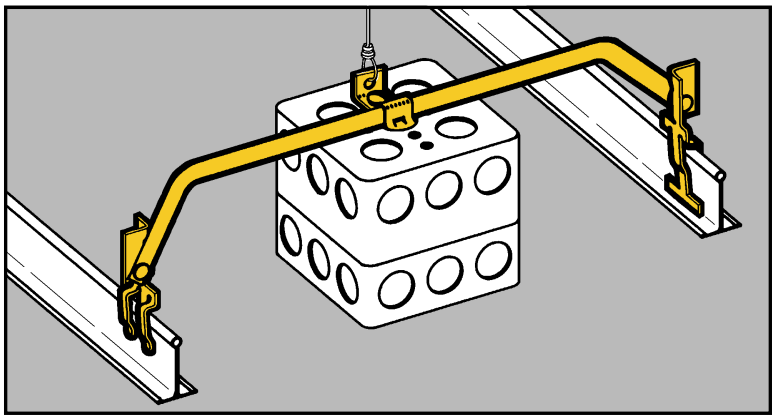
Read safety/installation instruction sheets in packages before use.

Electrical Box T-Bar Fasteners

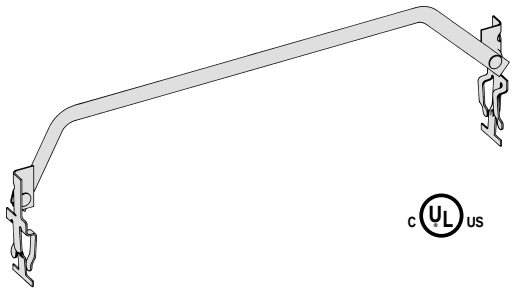
FEATURES

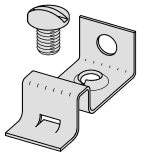
- Ideal for fire alarm speaker installations and many other deep box applications.
- Box mounts flush with finished side of ceiling tile.
- For additional support, attach dropwire to BB27 Box Mounting Clip.
- **Warning:** Do not use for hanging acoustical tee.

APPLICATIONS



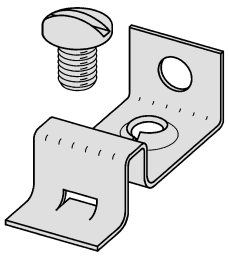
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA13	Box Hanger 2 1/8" Box with 1 1/2" Extension 24" Span	18089	25
BA13-4 1/4	Box Hanger 2 1/8"Box with 2 1/8" Extension 24" Span	01660	25





Note: One (1) BB27 Box Mounting Clip with screw is included with each hanger.

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB27	Box Mounting Clip (with Screw)	18170	100
SRHMS 1/4 x 3/8	1/4"-20 x 3/8" Slotted Round Head Machine Screw	01673	100

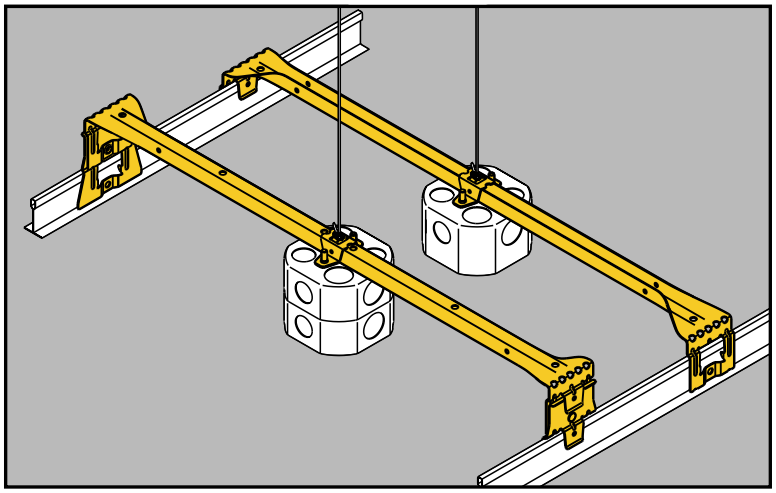


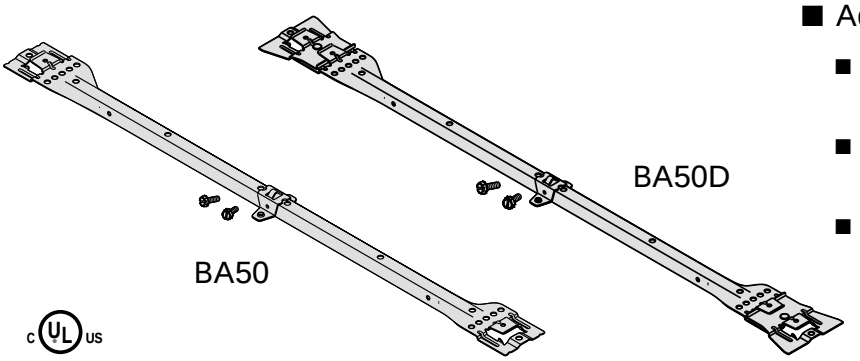
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Heavy Duty Electrical Box Hanger

APPLICATIONS





BA50

BA50D

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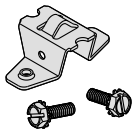
FEATURES

- Supports 4" or 4 11/16" octagonal or square boxes.
- Bendable ends enable mounting of 1 1/2" or 2 1/8" deep boxes in an instant. No tools or cutting is required to adjust bar.
- Self-centering feature positions box on center without measuring.
- Independent support wire can be attached for extra stability. Can be screwed to T-bar for fixing location.
- ***Static Load Capacity***: 70 Lbs.
- Accessories available:
  - Box mounting clip for multiple box installation
  - Extender brackets for installation with 1 1/2" extension ring
  - Spacer shims for fine adjustment of box on unique applications

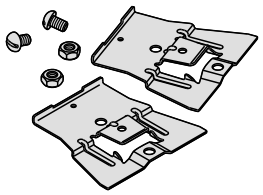
NEW

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA50	Box Hanger for 1 1/2" or 2 1/8" deep boxes - 24" span	96490	25
BA50D	Box Hanger for 1 1/2" or 2 1/8" deep boxes with 1 1/2" extension ring - 24" span	96491	25



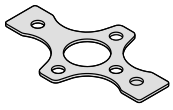
BA50C12

BA50C12	Box Mounting Clip with hardware	96488	25



BA50E

BA50E	Extender Brackets with hardware (10 pair)	96489	20



BA50T

BA50T	Spacer Shims	96565	50

B-Line Fasteners

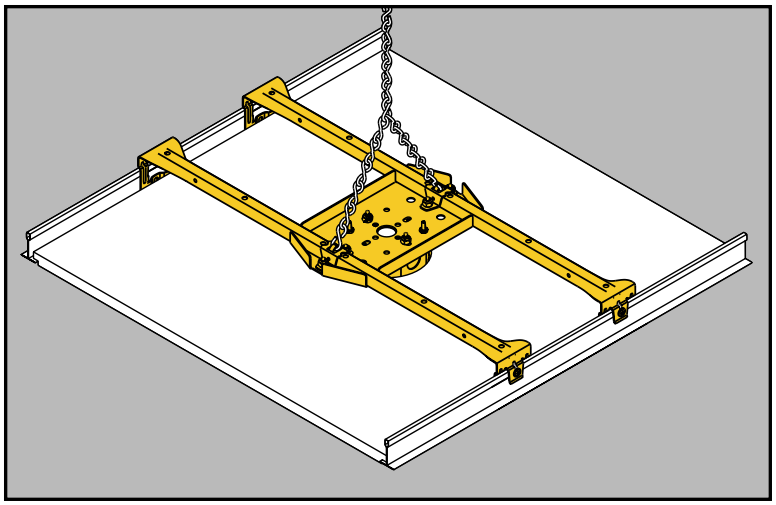
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

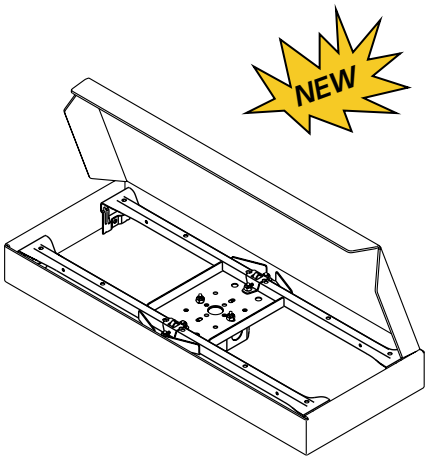
RediMount™ Fan Hanger

FEATURES

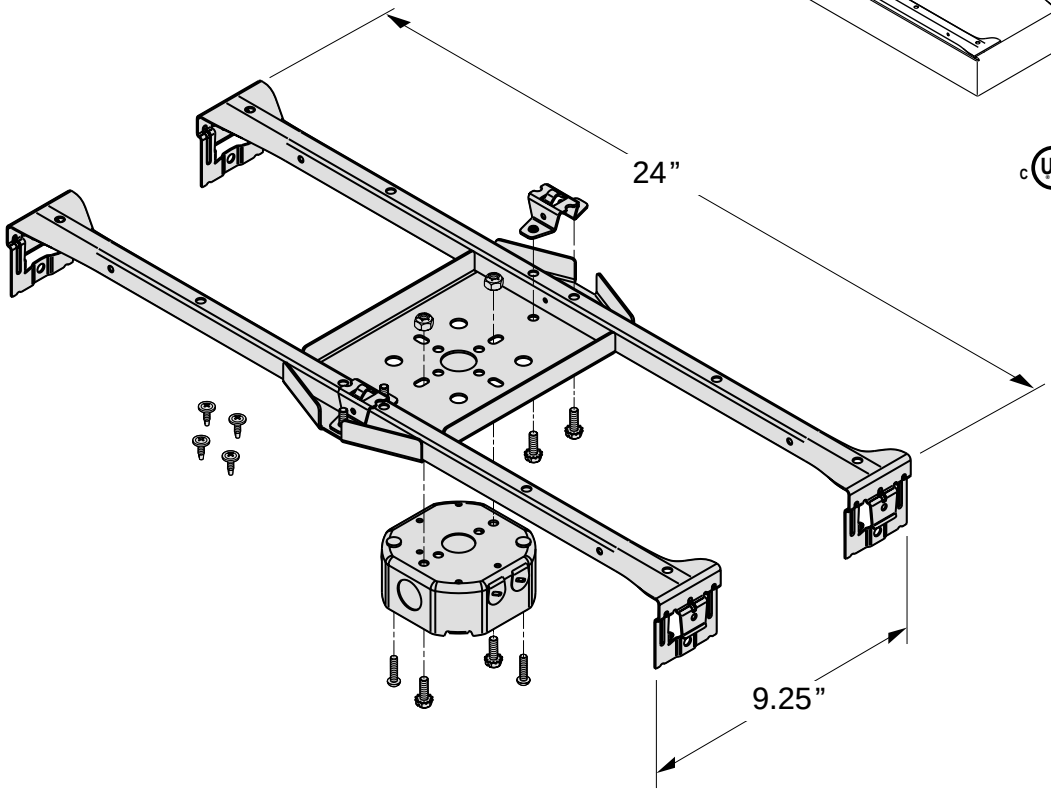
- Positions and secures ceiling fans and light fixtures in suspended ceilings.
- Preassembled fan/fixture hanger installs on T-Bar in less than 30 seconds.
- Independent support wire/chain attaches to clip for easy installation.
- Can be screwed to T-Bar for fixing location.
- Recommended for use in seismic areas.
- UL Listed for fan or fixture support up to 70 lbs.

APPLICATIONS





PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA50F	Fan/Fixture Hanger includes 4" x 1 1/2" deep octagon box	96492	1



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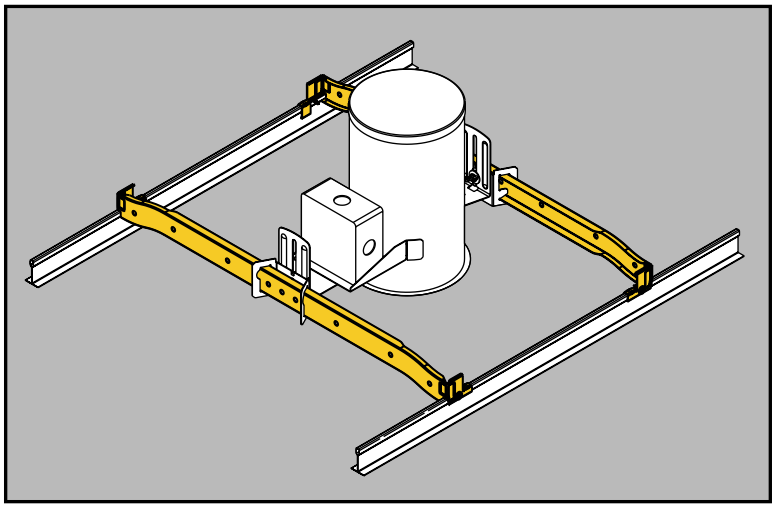
Patent Pending

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

QuikFix™ Fastening System

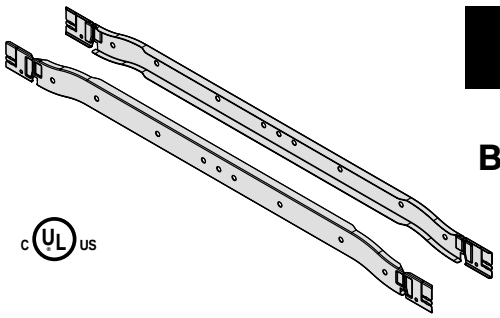
APPLICATIONS



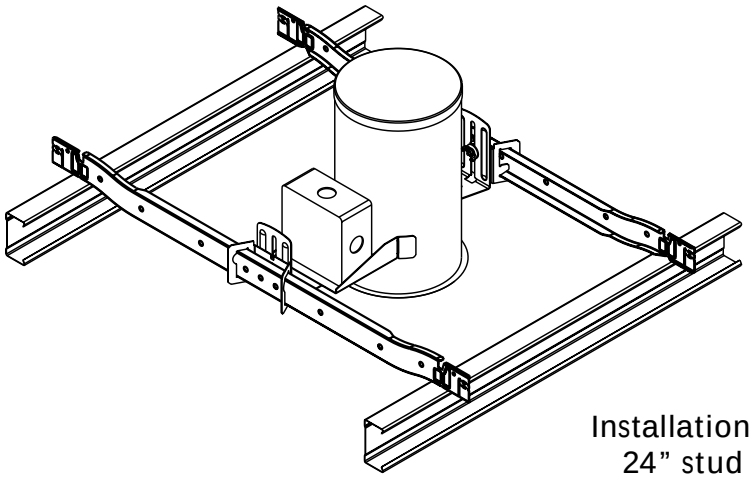
FEATURES

- Installs specification grade down lights in a fraction of the time required for traditional supports.
- Bars are pre-sized for 24” T-Bar spacing. Unique design enables fixture hangers to also be used with 16” or 24” stud spacing in ceiling area.
- Fixtures may be adjusted in both directions for proper alignment.
- Innovative design locks fixture onto T-Bar to prevent lifting or sliding.
- Installs by hand, no tools required.
- Recommended for use in seismic areas.

NEW



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA40	Fixture Bar	99873	20 pair



Installation shown on 24” stud spacing.

Patent Pending

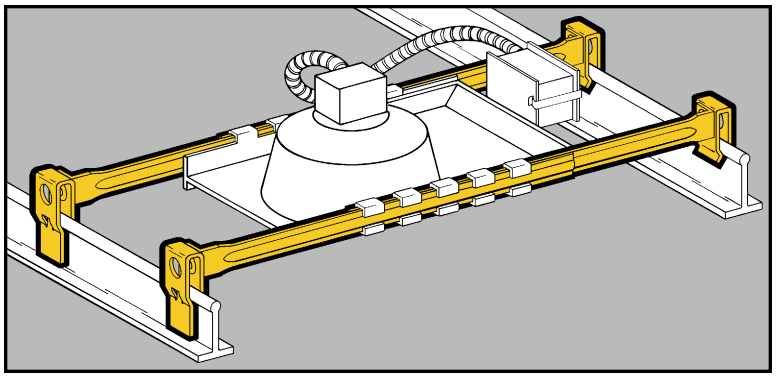
Read safety/installation instruction sheets in packages before use.

Light Fixture T-Bar Fasteners

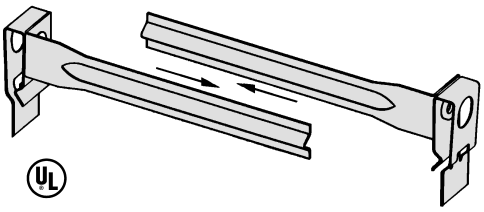
FEATURES

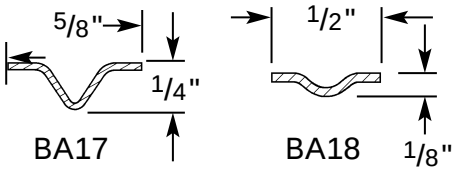
- Adjustable fixture locations.
- Fits horizontal and vertical flanges.
- Adjustable span from 20" to 30".
- No center clips or tools required.
- One set completes one fixture installation (four bars per set).

APPLICATIONS



PART NUMBER	"HIGH HAT" FIXTURES	UPC NO. 781011	BOX QTY.
BA17 (Wide Bar)	CAPRI[1] R-9X, R-10C CAPRI[1] R-10X, PR-751CX HALO®[2] H7, HALO®[2] H17 JUNO®[3] AP, APT JUNO®[3] IC, ICT,J,SC,TC THOMAS®[4] RI-IC	18100	10 Sets
BA18 (Narrow Bar)	CAPRI[1] HSG LIGHTOLIER®[5] 711	18105	10 Sets

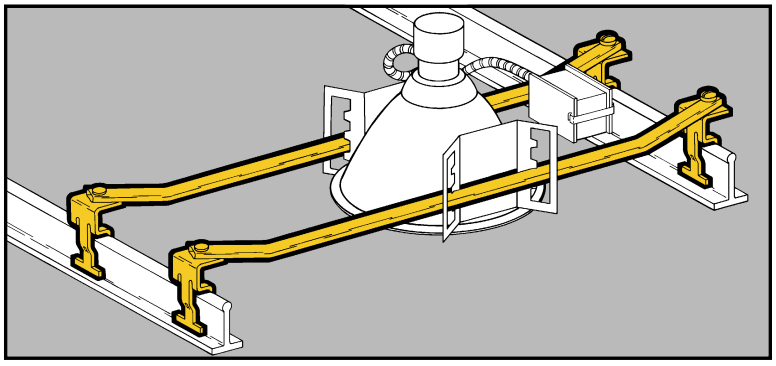




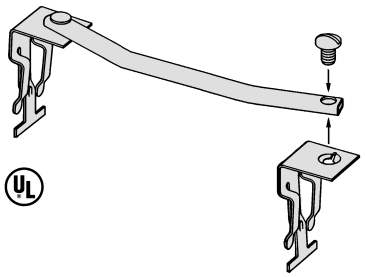
FEATURES

- Fixture position is adjustable within the span of the hanger.
- Fixed span of 24 inches for T-Bar applications.
- Requires only a screwdriver to install.
- Reduces installation time.
- One set completes one fixture installation (two bars per set).

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA20	Fits LIGHTOLIER®[5] CALCULITE®[5] Series Fixtures	18110	10 Sets

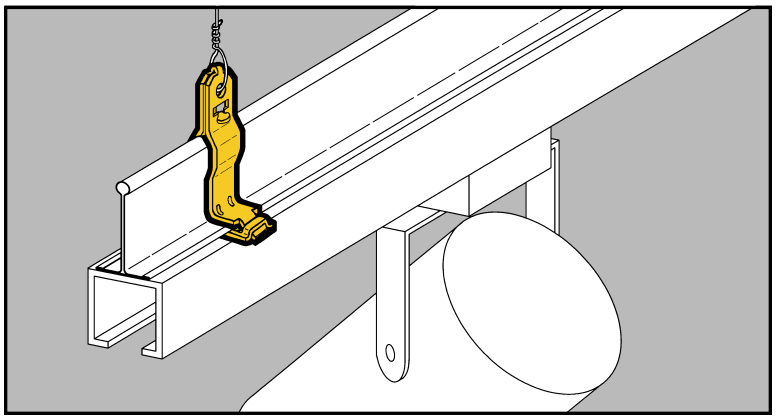


1.CAPRI is a mark used by Thomas Industries, Inc., Louisville, Kentucky.
2.HALO® is the registered trademark of Cooper Industries, Elk Grove, Illinois.
3. JUNO® is the registered trademark of Juno Lighting, Inc., Morton Grove, Illinois.
4.THOMAS® is the registered trademark of Thomas Industries, Inc., Louisville, Kentucky.
5.LIGHTOLIER® and CALCULITE® are the registered trademarks of Lightolier, Inc., Secaucus, New Jersey.

Read safety/installation instruction sheets in packages before use.

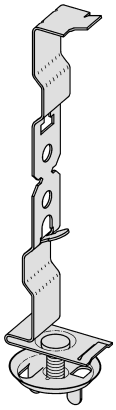
Suspension Fasteners

APPLICATIONS



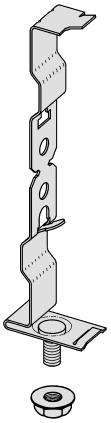
FEATURES

- Allows for independent suspension of fixtures .
- Fits most acoustical T-Bars.
- No tools required for installation.
- Static Load Capacity: 65 Lbs.



c UL us

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA1	1/4"-20 x 5/8" Stud Wing Nut Included	18065	100
BA1-24	1/4"-20 x 1 1/2" Stud Wing Nut Included	18070	100
BA1-32	1/4"-20 x 2" Stud Wing Nut Included	18075	100



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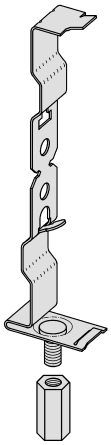
BA1-T



c UL us

BA1-T-BN

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA1-T	#8-32 x 5/8" Stud Pal Nut Included	02891	100
BA1-T-BN	#8-32 x 5/8" Stud Brass Nut Included	02897	100

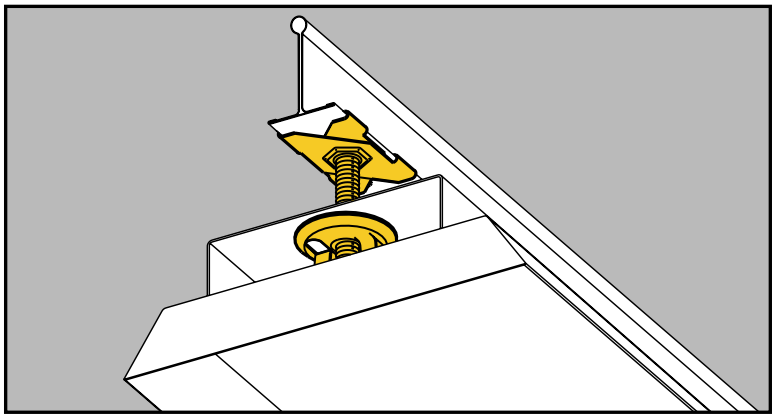
Read safety/installation instruction sheets in packages before use.

T-Bar Scissor Fasteners

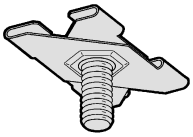
FEATURES

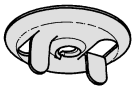
- Supports electrical fixtures from standard 15/16" T-Bars.
- BA-4-WN wing nut included.
- 1/4"-20 stud available in varying lengths.
- Static Load Capacity: 50 Lbs.

APPLICATIONS



PART NUMBER	STUD LENGTH	UPC NO. 781011	BOX QTY.
BAX-4-16	5/8"	04258	100
BAX-4-16-24	1 1/2"	04262	100
BAX-4-16-32	2"	04263	100
BAX-4-16-48	3"	04264	100





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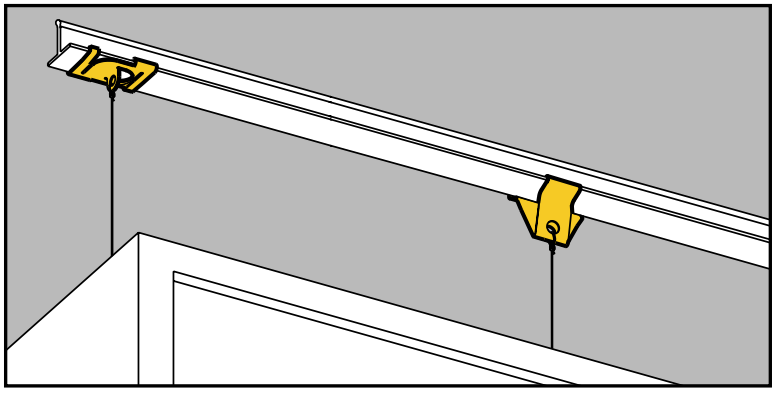
Sign Hangers

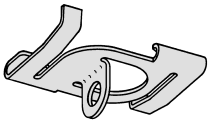
FEATURES

- Supports signs from 15/16" T-Bar.
- No special tools required.
- Static Load Capacity: 40 Lbs.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA-4-16-H	Sign Hanger with White Finish	18040	100
BA-4-16-H1	Sign Hanger with Zinc Plated Finish	04449	100



BA-4-16-H

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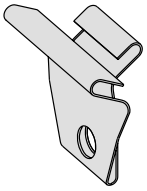


BA-4-16-H1

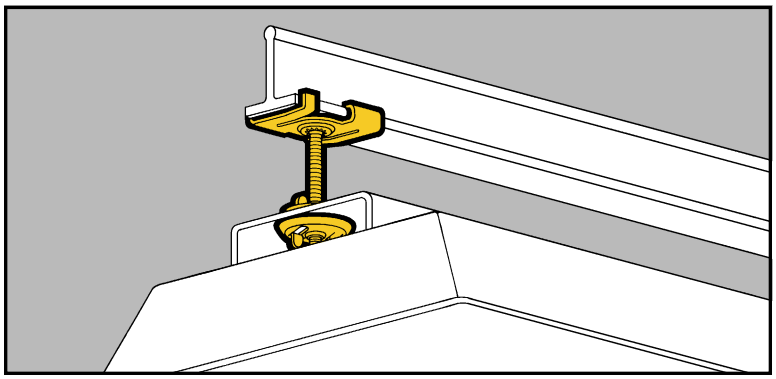
c UL us

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

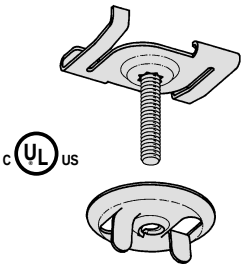
15/16" Twist Fasteners

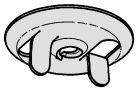
APPLICATIONS



FEATURES

- Supports electrical fixtures from 15/16" T-Bar.
- 1/4"-20 stud available in varying lengths.
- BA-4-WN wing nut with 1/4"-20 thread impression included.
- No special tools required.
- Without nut add - LN
  Without stud add - LS



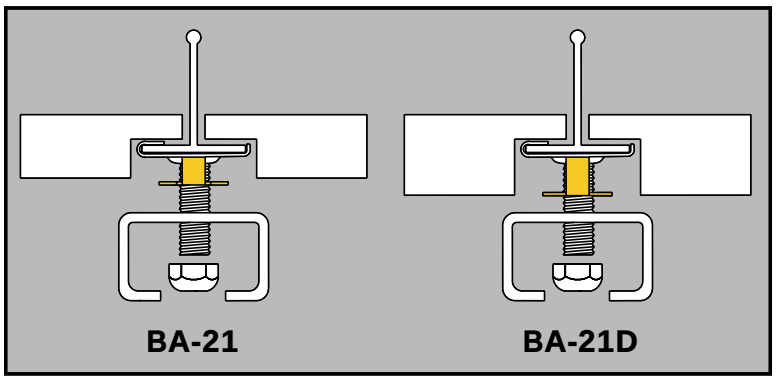


BA-4-WN

PART NUMBER	FINISH	STUD LENGTH	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BA-4-16	Black	5/8"	50 Lbs.	18020	100
BA-4-16-W	White	5/8"	50 Lbs.	18055	100
BA-4-16-24	White	1 1/2"	50 Lbs.	18025	100
BA-4-16-32	White	2"	50 Lbs.	18030	100
BA-4-16-48	White	3"	50 Lbs.	18035	100
BA-4-WN	Black	3"	100 Lbs.	18060	100

T-Bar Spacers

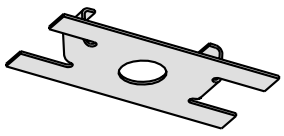
APPLICATIONS



FEATURES

- T-Bar spacer provides flush mounting surface for tegular tile installations.
- Spacer must be used in combination with B-Line's BA-4-16 or BA-2-16 series fasteners.

NEW



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA-21	1/4"Spacer	95575	100
BA-21D	3/8"Spacer	99567	100

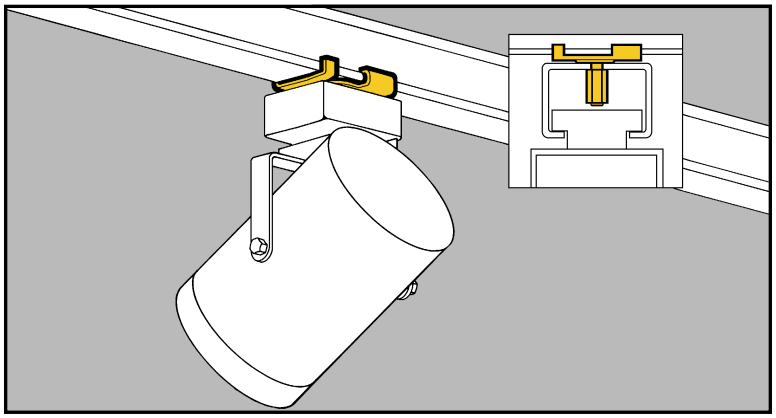
Read safety/installation instruction sheets in packages before use.

15/16” Twist Fasteners

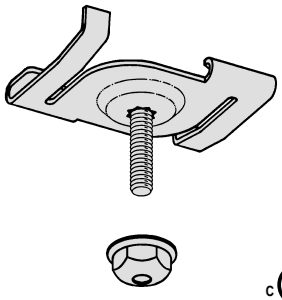
FEATURES

- Supports electrical fixtures from 15/16" T-Bar.
- #8-32 stud available in varying lengths.
- No special tools required.
- Static Load Capacity: 25 Lbs.

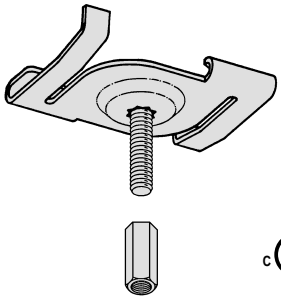
APPLICATIONS



PART NUMBER	FINISH	STUD LENGTH	UPC NO. 781011	BOX QTY.
BA-2-16	Black with Pal Nut	5/8”	18000	100
BA-2-16-7	Black with Pal Nut	7/16”	04259	100
BA-2-16-W	White with Pal Nut	5/8”	18010	100
BA-2-16-7-W	White with Pal Nut	7/16”	04261	100



BA-2-16-BN	Black with Brass Nut	5/8”	18005	100
BA-2-16-7-BN	Black with Brass Nut	7/16”	04260	100
BA-2-16-WBN	White with Brass Nut	5/8”	18015	100
BA-2-16-7-WBN	White with Brass Nut	7/16”	99566	100

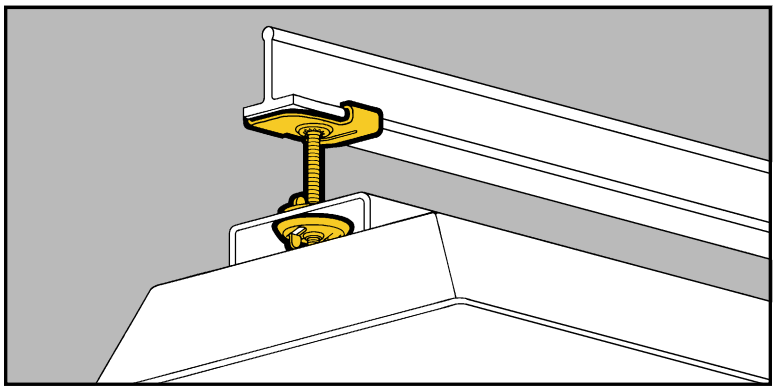


Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

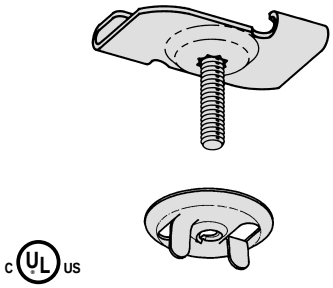
9/16" Twist Fasteners

APPLICATIONS



FEATURES

- Supports electrical fixtures from 9/16" T-Bar.
- Stud size: 1/4"-20 x 5/8".
- Varying stud lengths available - contact factory.
- No special tools required.
- Static Load Capacity: 40 Lbs.

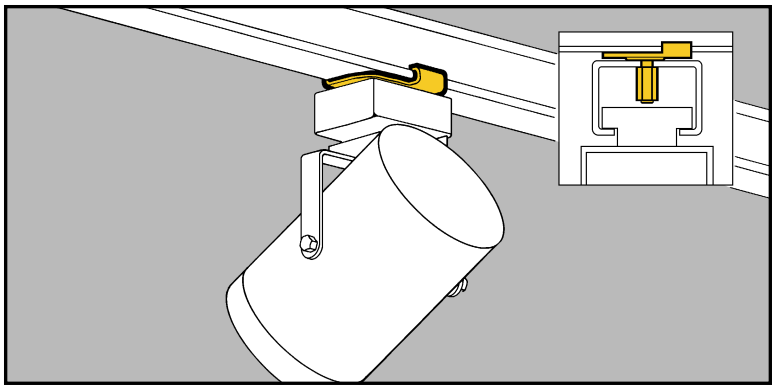


PART NUMBER	FINISH	STUD LENGTH	UPC NO. 781011	BOX QTY.
BA-4-9	Black	5/8"	03458	100
BA-4-9-W	White	5/8"	03461	100

Note: Without Nut add-LN (Black Only)
Without Stud add-LS (Black Only)

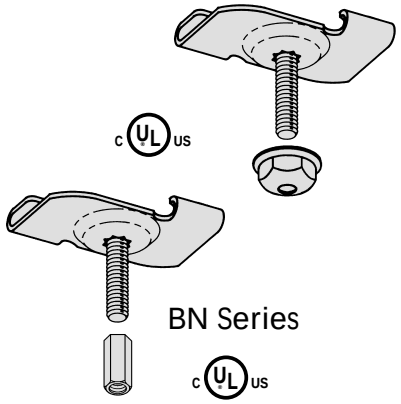
9/16" Twist Fasteners

APPLICATIONS



FEATURES

- Supports electrical fixtures and track lighting from 9/16" T-Bar.
- Stud size: #8-32 x length.
- Nut included.
- No special tools required.
- Static Load Capacity: 25 Lbs.



PART NUMBER	FINISH	STUD LENGTH	UPC NO. 781011	BOX QTY.
BA-2-9	Black	5/8"	03467	100
BA-2-9-7	Black	7/16"	03466	100
BA-2-9-W	White	5/8"	03459	100
BA-2-9-BN	Black	5/8"	03465	100
BA-2-9-WBN	White	5/8"	03460	100
BA-2-9-7-BN	Black	7/16"	03464	100

Read safety/installation instruction sheets in packages before use.

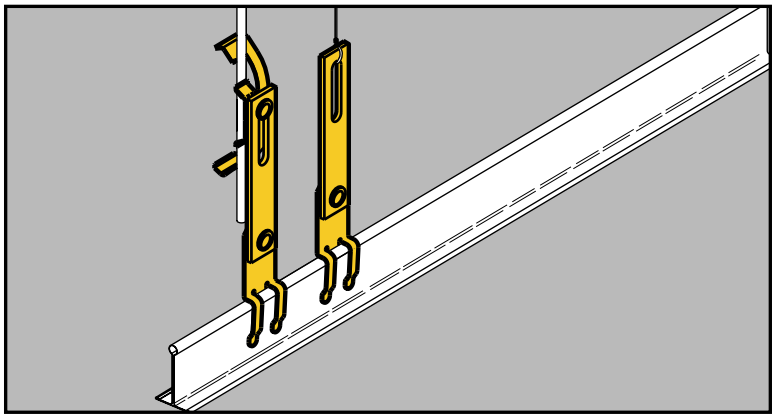
B-Line Fasteners

Drop Wire/Rod Securing Clip

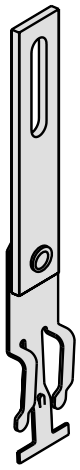
FEATURES

- Secures independent support wires to ceiling grid as required by NEC Article 300-11.
- Slotted design permits adjustment when securing rods.
- Bright yellow color is easily identified by inspectors.
- No tools required.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA311	#12 thru #8 wire	99569	100



NEW

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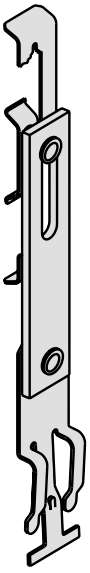
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BA311-W2	#12 wire thru 1/4" rod	99570	100
BA311-W6	3/8" plain or threaded rod	99571	100



c UL us

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

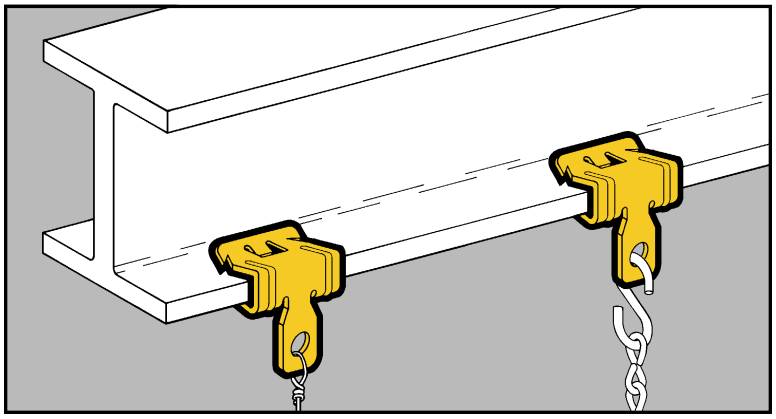
Beams

Flange Beam Fasteners

FEATURES

- Permits fast and easy installation on bulb tees and bar joists.
- Clearance hole for 1/4" bolt in tab.
- Simply installed with a hammer.

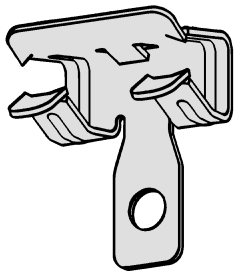
APPLICATIONS



PART NUMBER	FLANGE THICKNESS	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BE-1-2	3/32" to 9/64"	160 Lbs.	18290	100

c UL us

PART NUMBER	FLANGE THICKNESS	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BE-2-4	1/8" to 1/4"	200 Lbs.	18295	100
BE-5-8	5/16" to 1/2"	200 Lbs.	18300	100
BE-9-12	9/16" to 3/4"	200 Lbs.	18305	100



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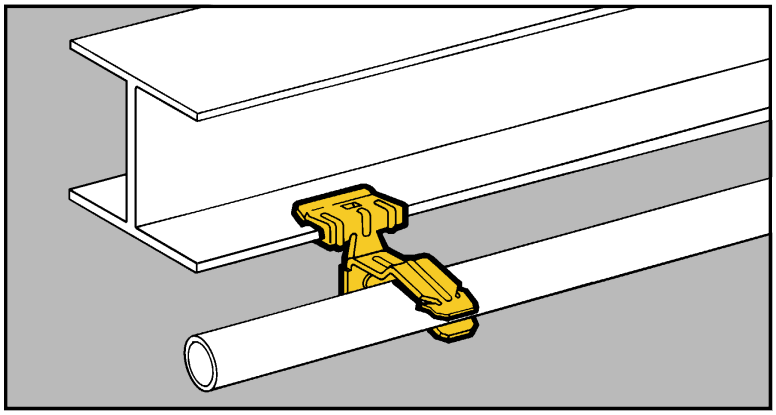
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Conduit To Beam Fasteners

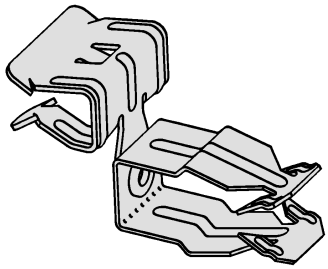
APPLICATIONS



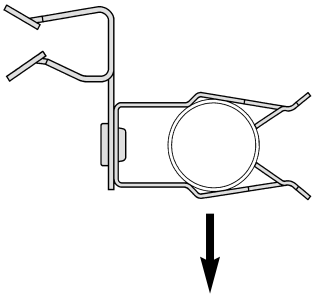
FEATURES

- Push-Type Conduit Fastener supports 1/2" thru 1" EMT; 1/2" and 3/4" IMC or Rigid.
- Fasteners will rotate 360°.
- Simply installed with a hammer.

PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BP-8-E-2-4	1/2" EMT	1/8" to 1/4"	19275	100
BP-8-E-5-8	1/2" EMT	5/16" to 1/2"	19280	100
BP-8-E-9-12	1/2" EMT	9/16" to 3/4"	19285	100
BP-12-E-2-4	3/4" EMT, 1/2" IMC, Rigid	1/8" to 1/4"	19375	100
BP-12-E-5-8	3/4" EMT, 1/2" IMC, Rigid	5/16" to 1/2"	19380	100
BP-12-E-9-12	3/4" EMT, 1/2" IMC, Rigid	9/16" to 3/4"	19385	50
BP-16-E-2-4	1" EMT, 3/4" IMC, Rigid	1/8" to 1/4"	19465	100
BP-16-E-5-8	1" EMT, 3/4" IMC, Rigid	5/16" to 1/2"	19470	100
BP-16-E-9-12	1" EMT, 3/4" IMC, Rigid	9/16" to 3/4"	19475	50



Ultimate Static Load Capacity



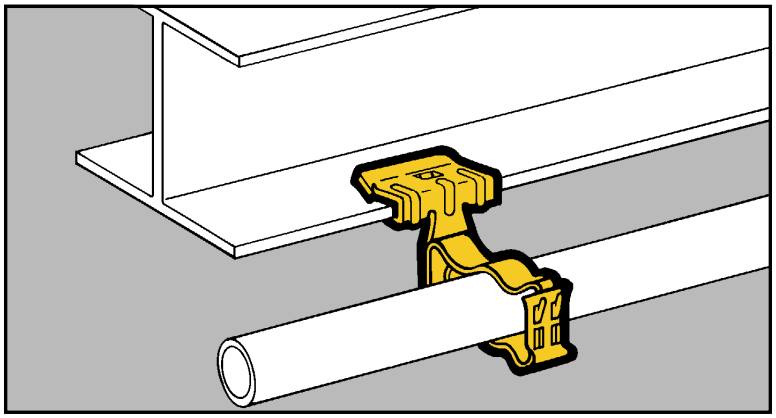
15 Lbs.

Conduit To Beam Fasteners

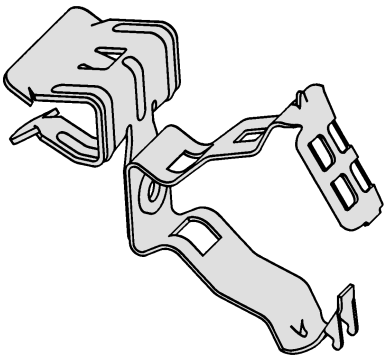
FEATURES

- Supports 3/8" to 2" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation.
- Fasteners will rotate 360°.
- Simply installed with a hammer and pliers.

APPLICATIONS

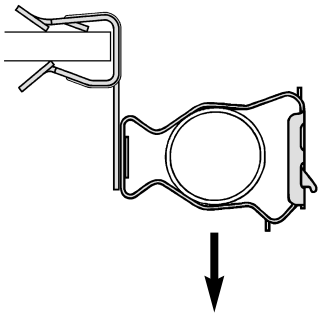


PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BG-6-E-2-4	3/8"	1/8" to 1/4"	18430	100
BG-6-E-5-8	3/8"	5/16" to 1/2"	18435	100
BG-6-E-9-12	3/8"	9/16" to 3/4"	18440	100
BG-8-12-E-2-4	1/2",3/4"	1/8" to 1/4"	18505	100
BG-8-12-E-5-8	1/2",3/4"	5/16" to 1/2"	18510	100
BG-8-12-E-9-12	1/2",3/4"	9/16" to 3/4"	18515	100
BG-16-E-2-4	1"	1/8" to 1/4"	18575	100
BG-16-E-5-8	1"	5/16" to 1/2"	18580	100
BG-16-E-9-12	1"	9/16" to 3/4"	18585	100
BG-20-E-2-4	1 1/4"	1/8" to 1/4"	18660	100
BG-20-E-5-8	1 1/4"	5/16" to 1/2"	18665	100
BG-20-E-9-12	1 1/4"	9/16" to 3/4"	18670	100
BG-24-E-2-4	1 1/2"	1/8" to 1/4"	18705	50
BG-24-E-5-8	1 1/2"	5/16" to 1/2"	18710	50
BG-24-E-9-12	1 1/2"	9/16" to 3/4"	18715	50
BG-32-E-2-4	2"	1/8" to 1/4"	18745	50
BG-32-E-5-8	2"	5/16" to 1/2"	18750	50
BG-32-E-9-12	2"	9/16" to 3/4"	18755	50



c UL us

Static Load Capacity



25 Lbs.

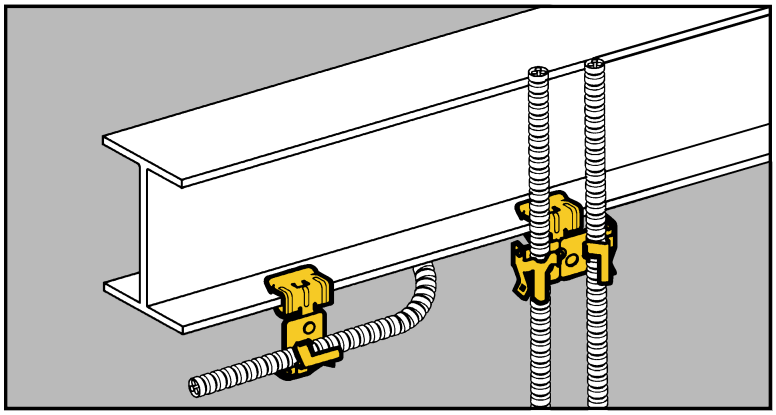
Patent #4958792

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

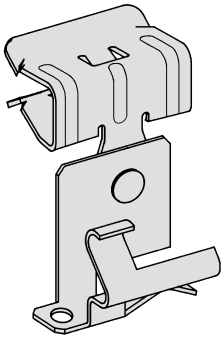
Cable To Beam Fasteners

APPLICATIONS



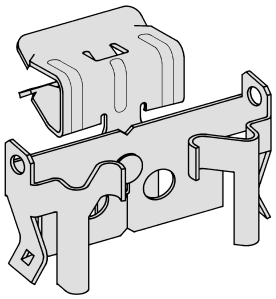
FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges 1/8" to 3/4" thick.
- Fasteners will rotate 360°.
- Simply installed with a hammer.



c UL us

PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BX4-E-2-4	Single Runs	1/8" to 1/4"	01192	100
BX4-E-5-8	Single Runs	5/16" to 1/2"	01193	100
BX4-E-9-12	Single Runs	9/16" to 3/4"	01194	100



PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BX4M-E-2-4	Double Runs	1/8" to 1/4"	01213	100
BX4M-E-5-8	Double Runs	5/16" to 1/2"	01214	100
BX4M-E-9-12	Double Runs	9/16" to 3/4"	01215	100

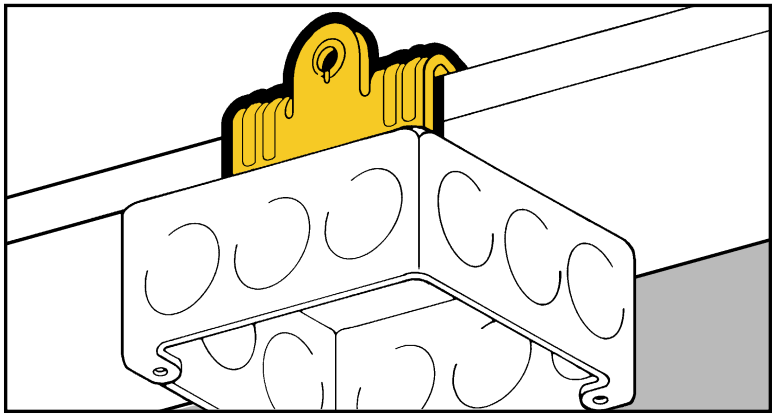
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Universal Beam Fasteners

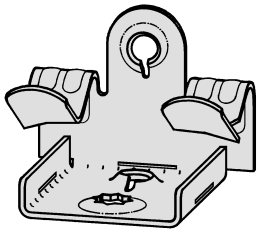
FEATURES

- Suspend boxes or fixtures from beam flanges 1/8" to 3/4" thick.
- Provided with 1/4"-20 thread impression for quick and secure attachment.
- Simply installed with a hammer.

APPLICATIONS

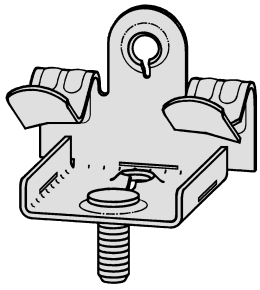


PART NUMBER	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BU-2-4	1/8" to 1/4"	19600	100
BU-5-8	5/16" to 1/2"	19605	100
BU-9-12	9/16" to 3/4"	19610	100



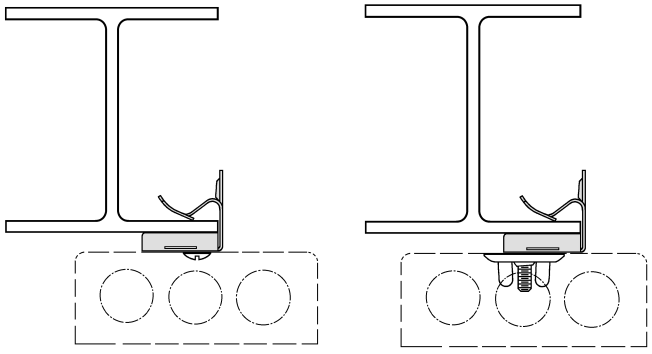
c UL us

PART NUMBER	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BU-2-4-S	1/8" to 1/4"	19615	100
BU-5-8-S	5/16" to 1/2"	19620	100
BU-9-12-S	9/16" to 3/4"	19625	100

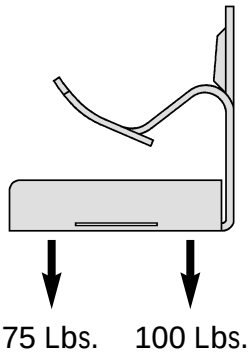


c UL us

1/4"-20 x 3/8" Staked Stud



Static Load Capacity



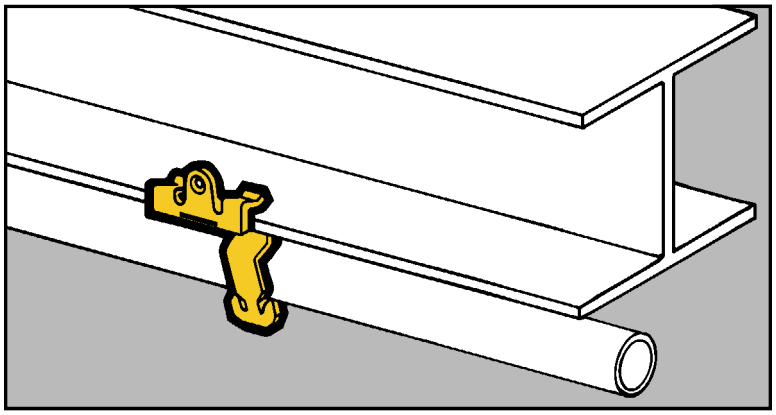
Note: Indicated loads are static load capacity and should not be combined.

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

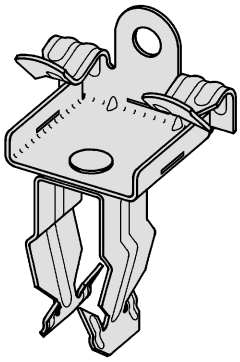
Conduit To Beam Fasteners

APPLICATIONS

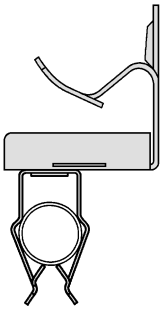


FEATURES

- Push-Type Conduit Fastener supports 1/2" thru 1" EMT; 1/2"and 3/4" IMC or Rigid.
- Fasteners will rotate 360°.
- Simply installed with a hammer.



Ultimate Static Load Capacity



25 Lbs.

PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BP-8-U-2-4	1/2" EMT	1/8" to 1/4"	19310	100
BP-8-U-5-8	1/2" EMT	5/16" to 1/2"	19315	100
BP-8-U-9-12	1/2" EMT	9/16" to 3/4"	19320	100
BP-12-U-2-4	3/4" EMT, 1/2" IMC, Rigid	1/8" to 1/4"	19405	100
BP-12-U-5-8	3/4" EMT, 1/2" IMC, Rigid	5/16" to 1/2"	19410	100
BP-12-U-9-12	3/4" EMT, 1/2" IMC, Rigid	9/16" to 3/4"	19415	100
BP-16-U-2-4	1" EMT, 3/4" IMC, Rigid	1/8" to 1/4"	19490	100
BP-16-U-5-8	1" EMT, 3/4" IMC, Rigid	5/16" to 1/2"	19495	100
BP-16-U-9-12	1" EMT, 3/4" IMC, Rigid	9/16" to 3/4"	19500	50

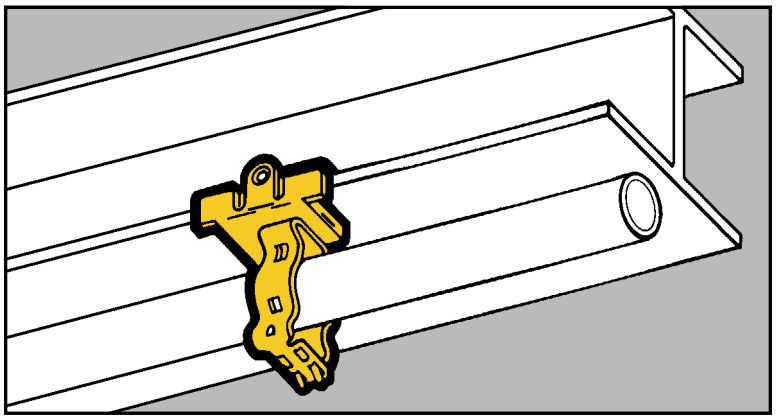
Read safety/installation instruction sheets in packages before use.

Conduit To Beam Fasteners

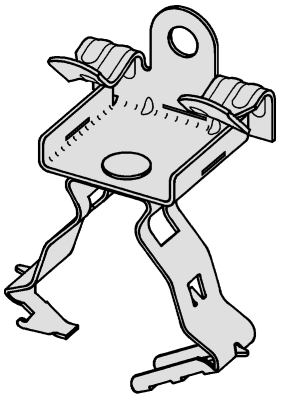
FEATURES

- Supports 3/8" to 2" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation.
- Fasteners will rotate 360°.
- Simply installed with a hammer and pliers.

APPLICATIONS

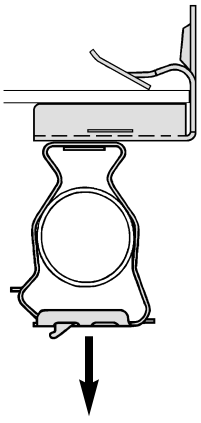


PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BG-6-U-2-4	3/8"	1/8" to 1/4"	18450	100
BG-6-U-5-8	3/8"	5/16" to 1/2"	18455	100
BG-6-U-9-12	3/8"	9/16" to 3/4"	18460	100
BG-8-12-U-2-4	1/2",3/4"	1/8" to 1/4"	18525	100
BG-8-12-U-5-8	1/2",3/4"	5/16" to 1/2"	18530	100
BG-8-12-U-9-12	1/2",3/4"	9/16" to 3/4"	18535	100
BG-16-U-2-4	1"	1/8" to 1/4"	18625	100
BG-16-U-5-8	1"	5/16" to 1/2"	18630	100
BG-16-U-9-12	1"	9/16" to 3/4"	18635	50
BG-20-U-2-4	1 1/4"	1/8" to 1/4"	18680	50
BG-20-U-5-8	1 1/4"	5/16" to 1/2"	18685	50
BG-20-U-9-12	1 1/4"	9/16" to 3/4"	18690	50
BG-24-U-2-4	1 1/2"	1/8" to 1/4"	18720	50
BG-24-U-5-8	1 1/2"	5/16" to 1/2"	18725	50
BG-24-U-9-12	1 1/2"	9/16" to 3/4"	18730	50
BG-32-U-2-4	2"	1/8" to 1/4"	18760	50
BG-32-U-5-8	2"	5/16" to 1/2"	18765	50
BG-32-U-9-12	2"	9/16" to 3/4"	18770	50



c UL us

Static Load Capacity



75 Lbs.

Patent #4958792

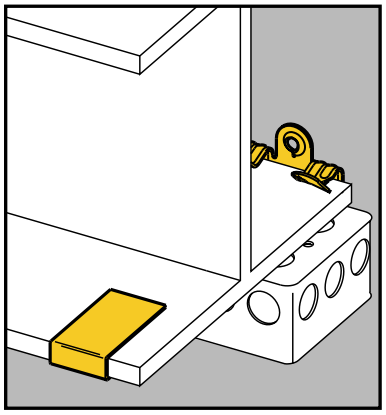
Beams

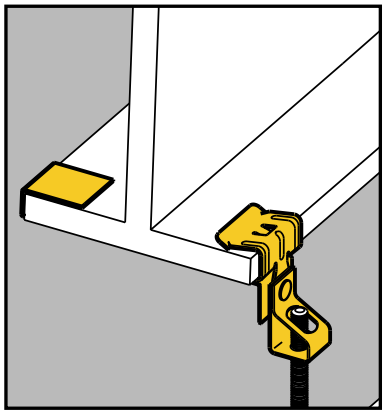
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Beam Fasteners With Anchor Straps

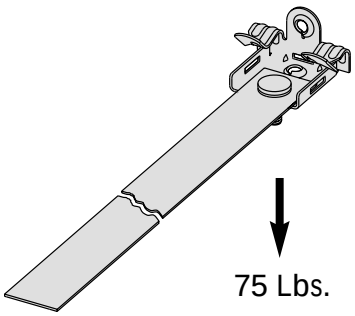
APPLICATIONS





FEATURES

- Anchor strap provides secure attachment to beam flanges.
- Simply installed with a hammer.
- Suspends 1/4"-20 and 3/8"-16 threaded rod from beam flanges 1/8" to 3/4" thick.
- 8" anchor straps are provided for flange thicknesses of 1/8" to 1/4".
- 13" anchor straps are provided for flange thicknesses of 5/16" to 3/4".

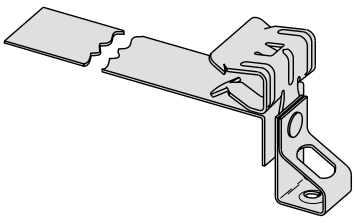


75 Lbs.

c UL us

Static Load Capacity

PART NUMBER	STUD SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BU-2-4-S-AS	1/4"-20 x 3/8"	1/8" to 1/4"	04942	50
BU-5-8-S-AS	1/4"-20 x 3/8"	5/16" to 1/2"	04943	50
BU-9-12-S-AS	1/4"-20 x 3/8"	9/16" to 3/4"	04944	50



c UL us

160 Lbs.

Static Load Capacity

PART NUMBER	THREADED ROD SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BH4-E-2-4-AS	1/4"-20	1/8" to 1/4"	04948	50
BH4-E-5-8-AS	1/4"-20	5/16" to 1/2"	04949	50
BH4-E-9-12-AS	1/4"-20	9/16" to 3/4"	04950	50
BH6-E-2-4-AS	3/8"-16	1/8" to 1/4"	04951	50
BH6-E-5-8-AS	3/8"-16	5/16" to 1/2"	04952	50
BH6-E-9-12-AS	3/8"-16	9/16" to 3/4"	04953	50

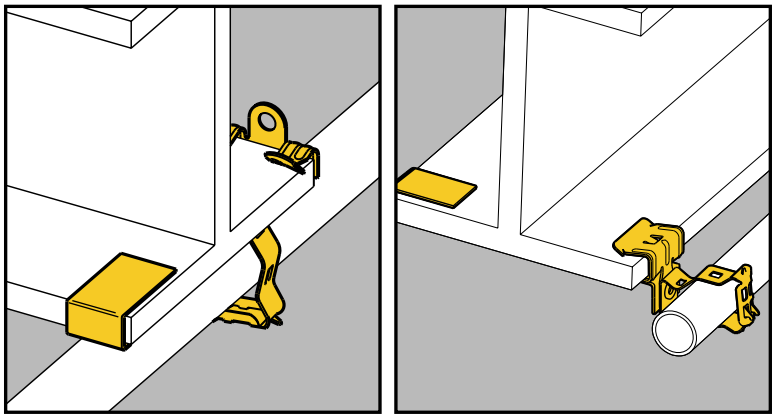
Read safety/installation instruction sheets in packages before use.

Conduit To Beam Fasteners With Anchor Straps

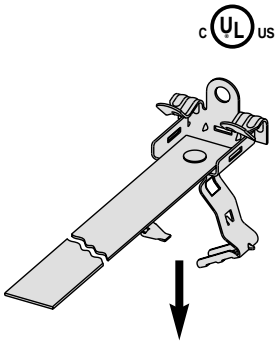
FEATURES

- Anchor strap provides secure attachment to beam flanges.
- Simply installed with a hammer.
- Supports 1/2" to 1" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation.
- 8" anchor straps are provided for flange thicknesses of 1/8" to 1/4".
- 13" anchor straps are provided for flange thicknesses of 5/16" to 3/4".

APPLICATIONS



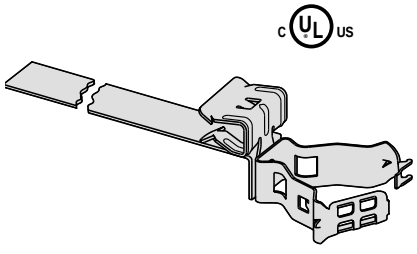
PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BG-8-12-U-2-4-AS	1/2",3/4"	1/8" to 1/4"	04966	50
BG-8-12-U-5-8-AS	1/2",3/4"	5/16" to 1/2"	04967	50
BG-8-12-U-9-12-AS	1/2",3/4"	9/16" to 3/4"	04968	50
BG-16-U-2-4-AS	1"	1/8" to 1/4"	04969	50
BG-16-U-5-8-AS	1"	5/16" to 1/2"	04970	50
BG-16-U-9-12-AS	1"	9/16" to 3/4"	04971	50



75 Lbs.

Static Load Capacity

PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BG-8-12-E-2-4-AS	1/2",3/4"	1/8" to 1/4"	04972	50
BG-8-12-E-5-8-AS	1/2",3/4"	5/16" to 1/2"	04973	50
BG-8-12-E-9-12-AS	1/2",3/4"	9/16" to 3/4"	04974	50
BG-16-E-2-4-AS	1"	1/8" to 1/4"	04975	50
BG-16-E-5-8-AS	1"	5/16" to 1/2"	04976	50
BG-16-E-9-12-AS	1"	9/16" to 3/4"	04977	50



Static Load Capacity

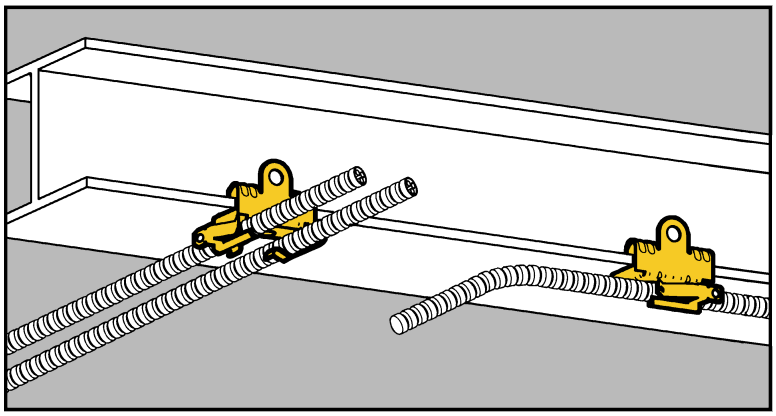
25 Lbs.

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

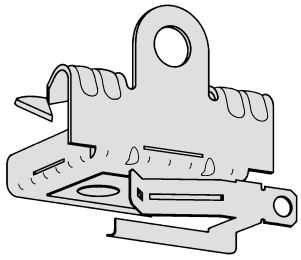
Cable To Beam Fasteners

APPLICATIONS

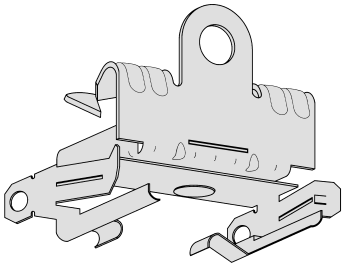


FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges 1/8" to 3/4" thick.
- Fasteners will rotate 360°.
- Simply installed with a hammer.

	PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
	**BX4-U-2-4**	Single Runs	1/8" to 1/4"	01197	100
	BX4-U-5-8	Single Runs	5/16" to 1/2"	01198	100
	BX4-U-9-12	Single Runs	9/16" to 3/4"	01199	100

c UL us

	PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
	**BX4M-U-2-4**	Double Runs	1/8" to 1/4"	01206	100
	BX4M-U-5-8	Double Runs	5/16" to 1/2"	01207	100
	BX4M-U-9-12	Double Runs	9/16" to 3/4"	01208	100

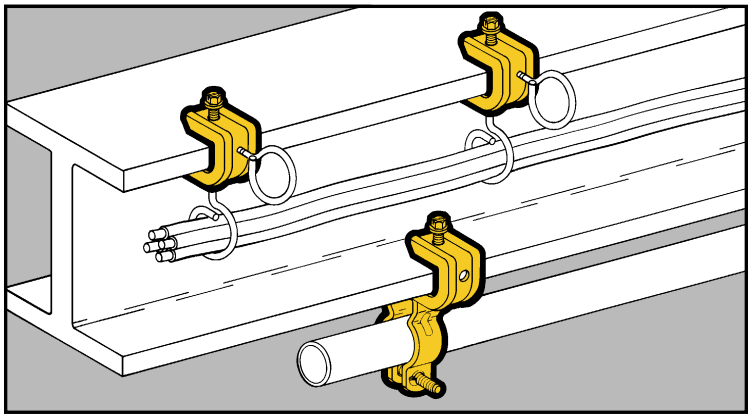
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Beam Fasteners

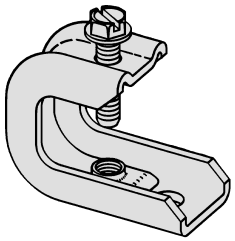
FEATURES

- BC442 fits beam flanges 1/8" to 5/8". BC442-6 fits beam flanges up to 3/4".
- Available with BL1400 series conduit hangers for 1/2" thru 2" EMT, IMC and Rigid conduit.
- Finish: Electroplated
- Static Load Capacity:
  BC442 = 100 Lbs.
  BC442-6 = 200 Lbs.

APPLICATIONS

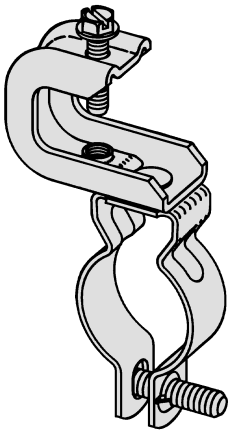


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BC442	Accepts 1/4"-20 Threaded Rod or 1/4"-20 Threaded Bridle Rings	18278	50
BC442-6	Accepts 3/8"-16 Threaded Rod	04283	50



c UL us

PART NUMBER	CONDUIT SIZE RIGID	CONDUIT SIZE EMT	UPC NO. 781011	BOX QTY.
BL1400-C442	1/2"	1/2"	19850	50
BL1410-C442	3/4"	3/4"	19851	50
BL1420-C442	1"	1"	19852	50
BL1425-C442	--	1 1/4"	19853	50
BL1430-C442	1 1/4"	1 1/2"	19854	50
BL1440-C442	1 1/2"	--	19855	25
BL1450-C442	2"	2"	19856	25



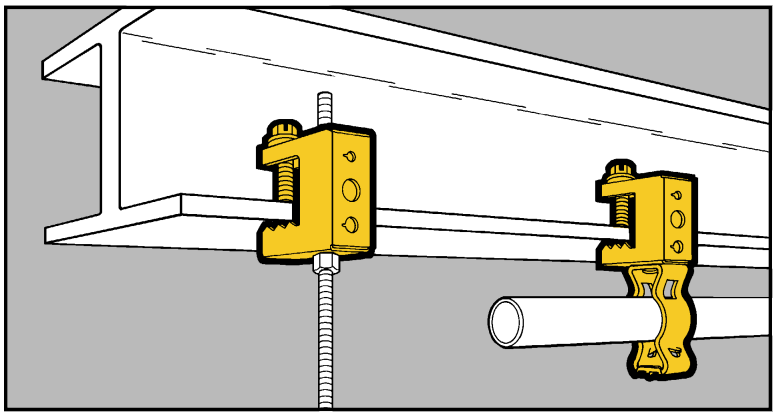
c UL us

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

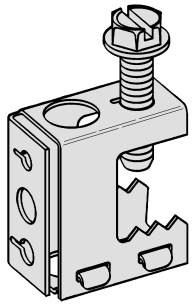
Conduit To Beam Fasteners

APPLICATIONS



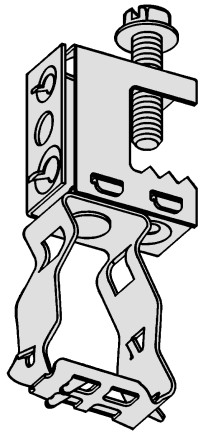
FEATURES

- Fits beam flanges thru 1/2" thick.
- Accepts "S" hooks, 1/4" and 3/8" threaded rod, 1/4"-20 or #10-24 threaded bridle rings.
- Supports conduit and electrical boxes.



c UL us

PART NUMBER	FLANGE THICKNESS	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BC1	Thru 1/2"	100 Lbs.	18275	100



c UL us

Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BG-8-12-C2	1/2", 3/4"	100 Lbs.	18490	100
BG-16-C2	1"	100 Lbs.	18570	100
BG-20-C2	1 1/4"	100 Lbs.	18655	100
BG-24-C2	1 1/2"	100 Lbs.	18700	50
BG-32-C2	2"	100 Lbs.	18740	50

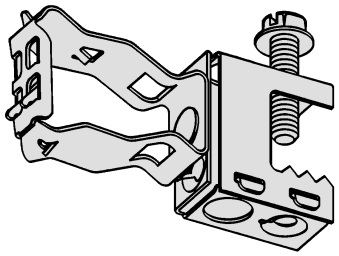
Patent #4958792

B-Line Fasteners

Read safety/installation instruction sheets in packages before use.

Conduit To Beam Fasteners

PART NUMBER	CONDUIT SIZE	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BG-8-12-C1	1/2", 3/4"	25 Lbs.	18485	100
BG-16-C1	1"	25 Lbs.	18565	100
BG-20-C1	1 1/4"	25 Lbs.	18650	100
BG-24-C1	1 1/2"	25 Lbs.	18695	50
BG-32-C1	2"	25 Lbs.	18735	50

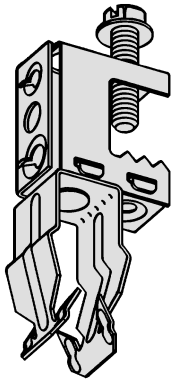


c UL us

Guide-Rite® Fastener

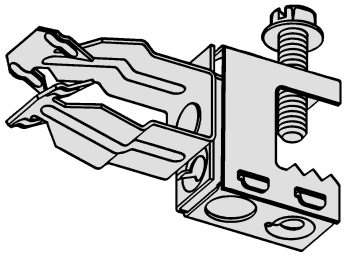
Patent #4958792

PART NUMBER	CONDUIT SIZE	ULTIMATE STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BP-8-C2	1/2" EMT	25 Lbs.	19260	100
BP-12-C2	3/4" EMT, 1/2" IMC, Rigid	25 Lbs.	19360	100
BP-16-C2	1" EMT, 3/4" IMC, Rigid	25 Lbs.	19455	100



Push-Type

PART NUMBER	CONDUIT SIZE	ULTIMATE STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BP-8-C1	1/2" EMT	15 Lbs.	19255	100
BP-12-C1	3/4" EMT, 1/2" IMC, Rigid	15 Lbs.	19355	100
BP-16-C1	1" EMT, 3/4" IMC, Rigid	15 Lbs.	19450	100

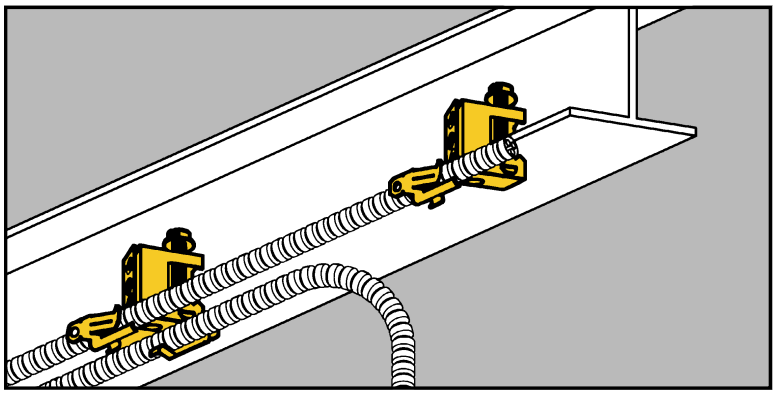


Push-Type

Read safety/installation instruction sheets in packages before use.

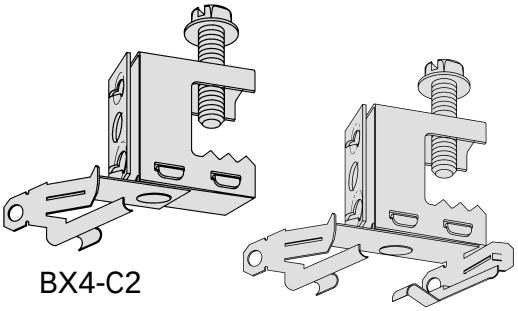
Cable To Beam Fasteners

APPLICATIONS



FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges thru 1/2" thick.
- Fasteners will rotate 360°.
- Requires only a screwdriver to install.



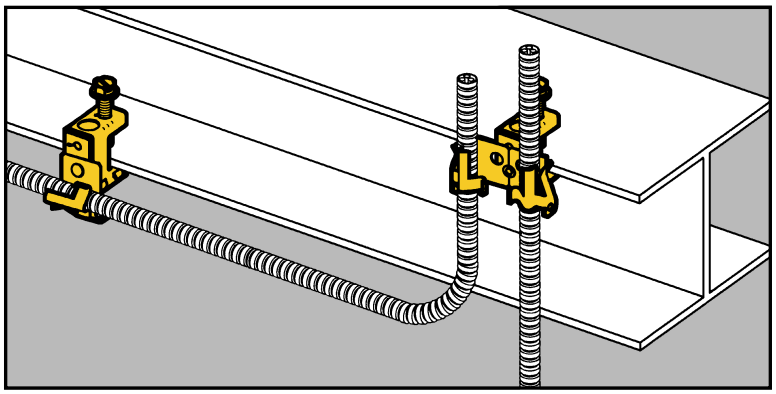
BX4-C2 BX4M-C2

c UL us

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4-C2	Single Runs	01190	100
BX4M-C2	Double Runs	01210	100

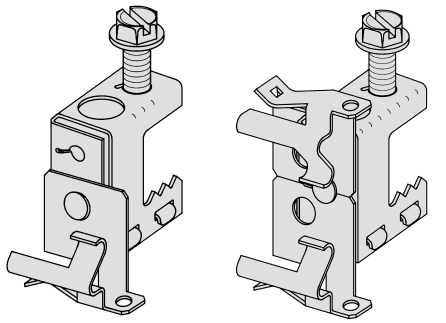
Cable To Beam Fasteners

APPLICATIONS



FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges thru 1/2" thick.
- Fasteners will rotate 360°.
- Requires only a screwdriver to install.



c UL us BX4-C1 BX4M-C1

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4-C1	Single Runs	01191	100
BX4M-C1	Double Runs	01209	100

B-Line Fasteners

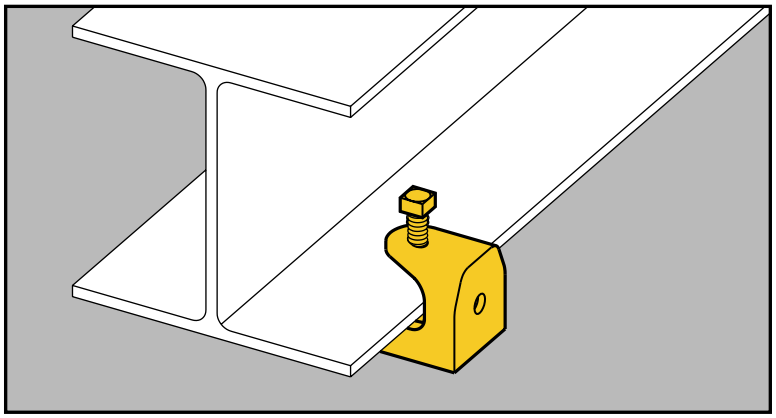
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Beam Fasteners

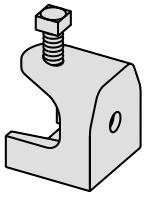
FEATURES

- Can be used with 1/4"-20 and 3/8"-16 threaded rod or bridle rings.
- Fits beam flanges through 1/2" thick.
- Finish: Zinc-Plated

APPLICATIONS



PART NUMBER	ROD SIZE	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
B444-1/4	1/4"-20	240	55333	50
B444-3/8	3/8"-16	610	55343	25



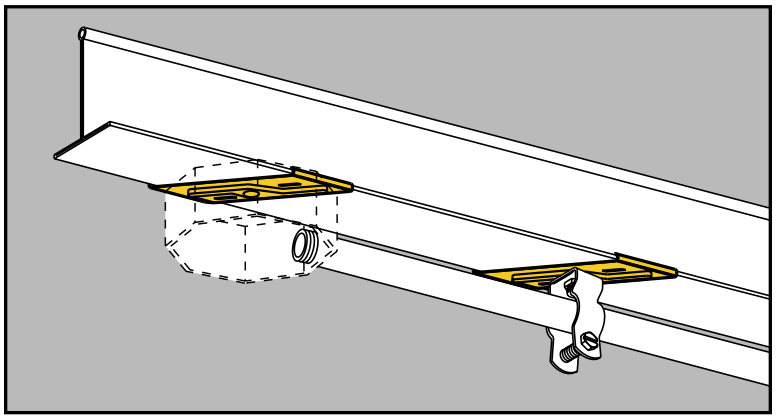
c UL us

Bulb Tee Beam Fasteners

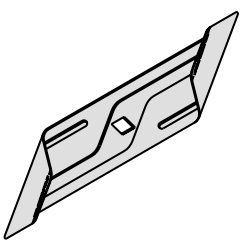
FEATURES

- Designed for use on bulb tees 1 1/2" thru 2 3/8" wide.
- Simply installed with a hammer.
- Available with 1/4"-20 x 5/8" stud.
- Static Load Capacity: 150 Lbs.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BC5	Without Nut or Stud	04266	100
BC5-S	With 1/4"-20 x 5/8" Stud	04268	100
BC5-4	With 1/4"-20 Nut	04267	100
BC5-6	With 3/8"-16 Nut	04269	100

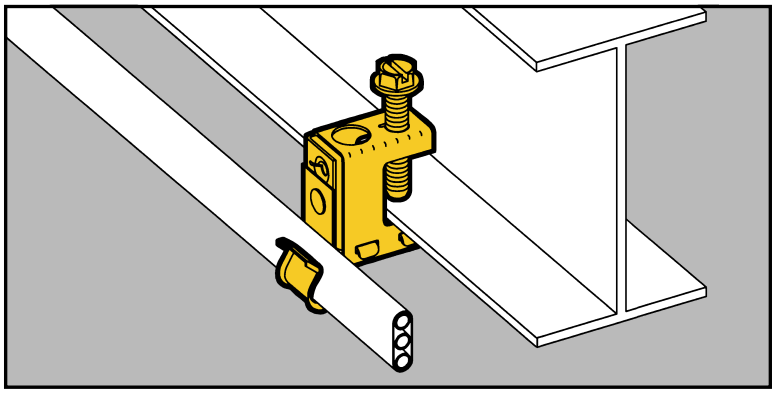


Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

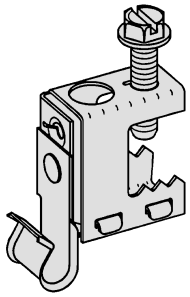
Cable To Beam Fasteners

APPLICATIONS



FEATURES

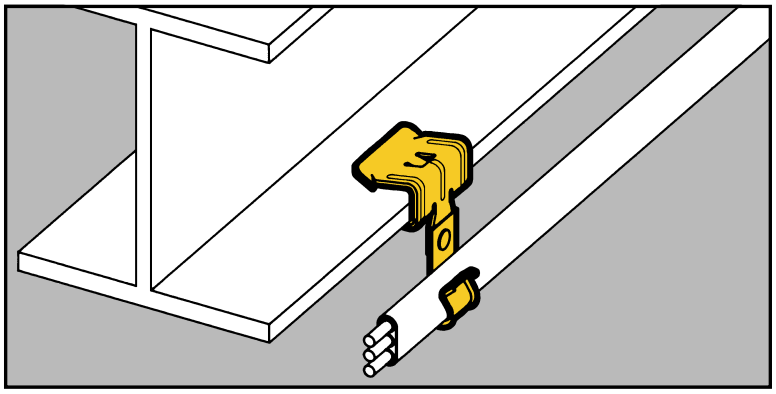
- Attaches Type NM cable to beam flanges thru 1/2" thick.
- Supports cable sizes #14-2 and #12-2 with ground wire.
- Requires only a screwdriver to install.



PART NUMBER	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BRC3-C1	Thru 1/2"	03549	100

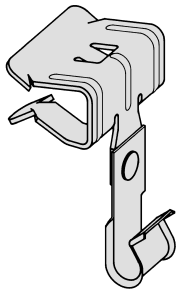
Cable To Beam Fasteners

APPLICATIONS



FEATURES

- Attaches Type NM cable to beam flanges 1/8" to 3/4" thick.
- Supports cable sizes #14-2 and #12-2 with ground wire.
- Simply installed with a hammer.



PART NUMBER	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BRC3-E-2-4	1/8" to 1/4"	03550	100
BRC3-E-5-8	5/16" to 1/2"	03551	100
BRC3-E-9-12	9/16" to 3/4"	03552	100

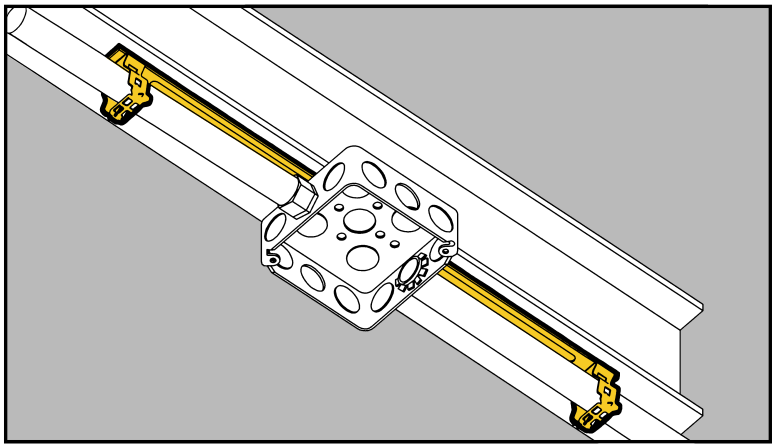
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Conduit & Box Support Fasteners

FEATURES

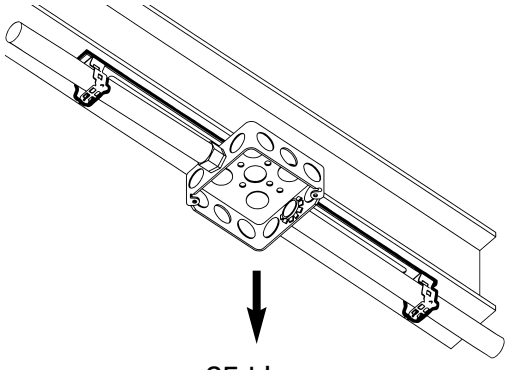
- Secures conduit and electrical boxes to beam flanges 1/8" to 3/4" thick.
- Provides support for conduit on either side of electrical box.
- Complies with NEC Article 300-11 and 348-12.

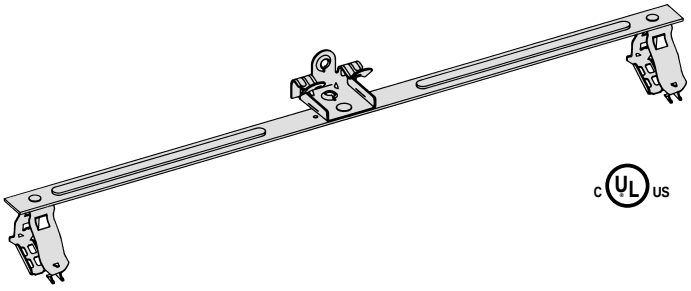
APPLICATIONS



PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BG-6-S18-U-2-4	3/8"	1/8" to 1/4"	03583	25
BG-6-S18-U-5-8	3/8"	5/16" to 1/2"	03584	25
BG-8-12-S18-U-2-4	1/2", 3/4"	1/8" to 1/4"	03579	25
BG-8-12-S18-U-5-8	1/2", 3/4"	5/16" to 1/2"	03580	25
BG-16-S18-U-2-4	1"	1/8" to 1/4"	03581	25
BG-16-S18-U-5-8	1"	5/16" to 1/2"	03582	25

Static Load Capacity





Patent #4958792

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

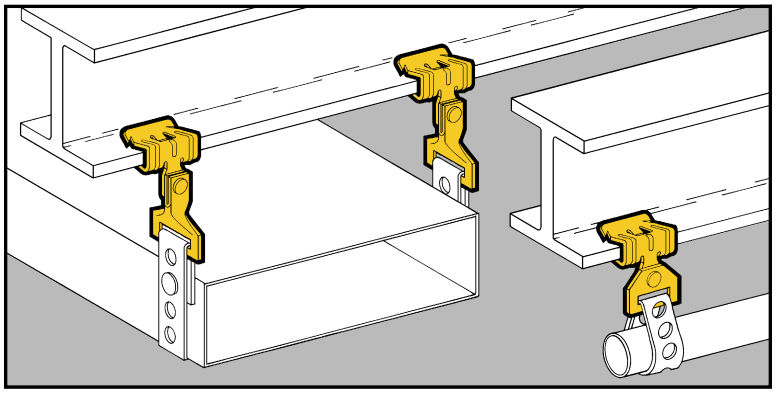
Hangers

Strap Hangers

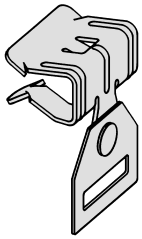
FEATURES

- Suspend straps thru 1" wide from beam flanges 1/8" to 3/4" thick.
- Suspend from straps parallel or at right angles to beams.
- Simply installed with a hammer.
- Static Load Capacity: 200 Lbs.

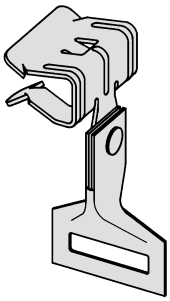
APPLICATIONS



PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BHE-1-2	Parallel	1/16" to 1/8"	04930	100
BH-2-4	Parallel	1/8" to 1/4"	18870	100
BH-5-8	Parallel	5/16" to 1/2"	18880	100
BH-9-12	Parallel	9/16" to 3/4"	18890	100
BH-1-2-R	Right Angle	1/16" to 1/8"	04115	100
BH-2-4-R	Right Angle	1/8" to 1/4"	18875	100
BH-5-8-R	Right Angle	5/16" to 1/2"	18885	100
BH-9-12-R	Right Angle	9/16" to 3/4"	18895	100

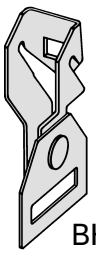


Parallel

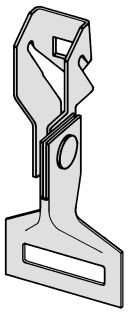


Right Angle

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH-F12	Parallel	03385	100
BH-F12-R	Right Angle	03384	100



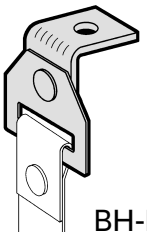
BH-F12



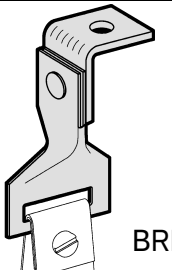
"Z" Purlin Hangers

BH-F12-R

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH-H7	Parallel	19922	100
BRH-H7	Right Angle	19929	100



BH-H7



BRH-H7

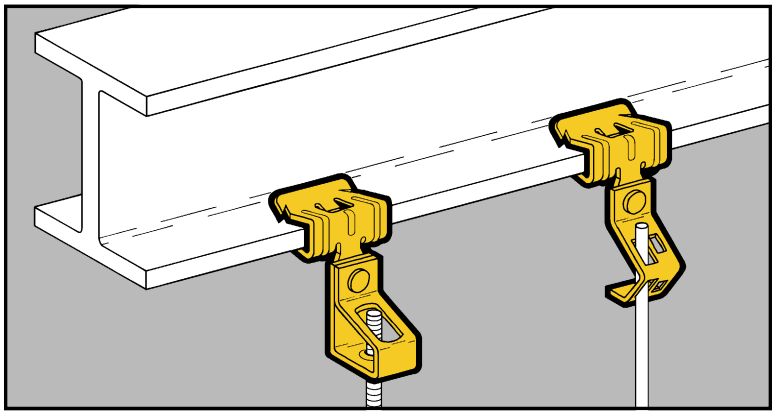
Hangers

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

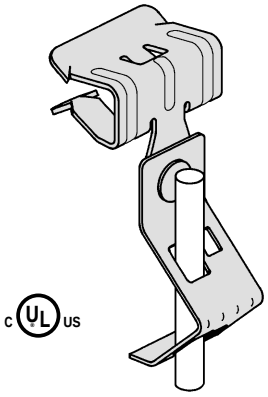
Rod To Beam Hangers

APPLICATIONS

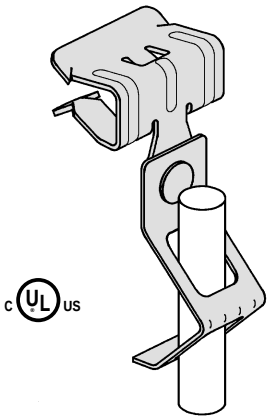


FEATURES

- Suspend #8 wire or 1/4" and 3/8" plain or threaded rod from beam flanges 1/8" to 3/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.



PART NUMBER	FLANGE THICKNESS	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH1-E-2-4	1/8" to 1/4"	#8 Wire or 1/4" Plain Rod	18900	100
BH1-E-5-8	5/16" to 1/2"	#8 Wire or 1/4" Plain Rod	18905	100
BH1-E-9-12	9/16" to 3/4"	#8 Wire or 1/4" Plain Rod	18910	100

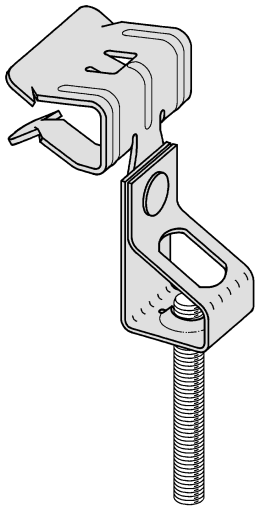


PART NUMBER	FLANGE THICKNESS	PLAIN ROD SIZE	UPC NO. 781011	BOX QTY.
BH2-E-2-4	1/8" to 1/4"	3/8"	18940	100
BH2-E-5-8	5/16" to 1/2"	3/8"	18945	100
BH2-E-9-12	9/16" to 3/4"	3/8"	18950	100

Read safety/installation instruction sheets in packages before use.

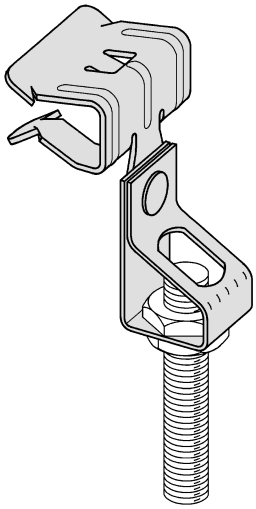
Rod To Beam Hangers

PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH4-E-2-4	1/8" to 1/4"	1/4"	18980	100
BH4-E-5-8	5/16" to 1/2"	1/4"	18985	100
BH4-E-9-12	9/16" to 3/4"	1/4"	18990	100
BH6-E-2-4	1/8" to 1/4"	3/8"	19060	100
BH6-E-5-8	5/16" to 1/2"	3/8"	19065	100
BH6-E-9-12	9/16" to 3/4"	3/8"	19070	100



With Thread Impression

PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH5-E-2-4*	1/8" to 1/4"	1/4" or 3/8"	19020	100
BH5-E-5-8*	5/16" to 1/2"	1/4" or 3/8"	19025	100
BH5-E-9-12*	9/16" to 3/4"	1/4" or 3/8"	19030	100



* Nuts Required.

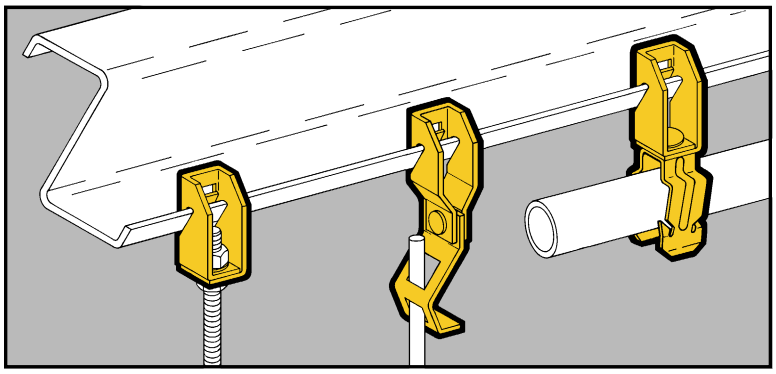
Hangers

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

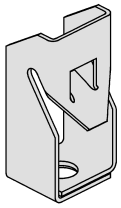
"Z" Purlin Hangers

APPLICATIONS

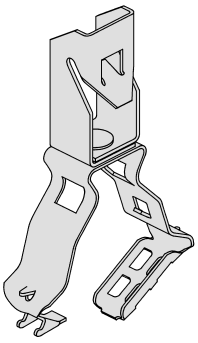


FEATURES

- Compensates for angle of purlin lip.
- Allows for parallel conduit runs or vertical support drops.
- Simply installed with a hammer and pliers.
- Maximum Purlin thickness of 3/32".



PART NUMBER	DESCRIPTION	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BF13	With 1/4" Hole	100 Lbs.	18345	100

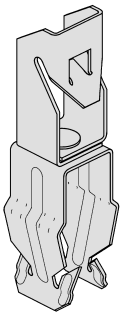


PART NUMBER	CONDUIT SIZE	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BG-6-F13	3/8"	100 Lbs.	18445	100
BG-8-12-F13	1/2", 3/4"	100 Lbs.	18520	100
BG-16-F13	1"	100 Lbs.	18590	100
BG-20-F13	1 1/4"	100 Lbs.	18675	50

Guide-Rite® Fastener

Note: Fastener will rotate 360°

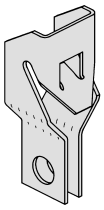
Patent #4958792



Push-Type

PART NUMBER	CONDUIT SIZE	ULT. STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BP-8-F13	1/2" EMT	25 Lbs.	19290	100
BP-12-F13	3/4" EMT, 1/2" IMC, Rigid	25 Lbs.	19390	100
BP-16-F13	1" EMT, 3/4" IMC, Rigid	25 Lbs.	19480	50

Note: Fastener will rotate 360°

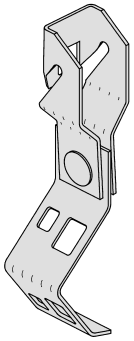


PART NUMBER	DESCRIPTION	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BF12	For "S" Hooks and Wrap Wire.	100 Lbs.	18340	100

Read safety/installation instruction sheets in packages before use.

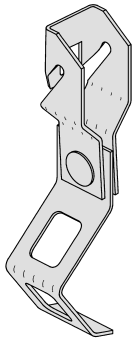
"Z" Purlin Hangers

PART NUMBER	DESCRIPTION	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BH1-F12	#8 Wire or 1/4" Plain Rod	100 Lbs.	18920	100
BH2-F12	3/8"	100 Lbs.	18960	100



c UL us

BH1-F12

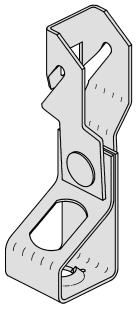


c UL us

BH2-F12

PART NUMBER	THREADED ROD SIZE	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BH4-F12	1/4"	100 Lbs.	19000	100
BH6-F12	3/8"	100 Lbs.	19080	100
BH5-F12*	1/4" and 3/8"	100 Lbs.	19040	100

* Nuts required.
Note: BH4 and BH6 have thread impressions.



c UL us

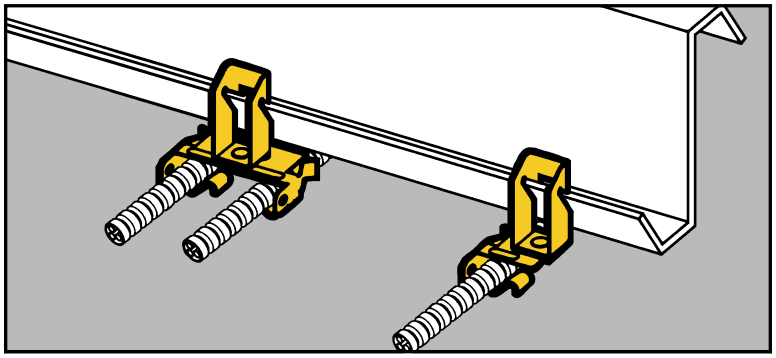
BH5 shown

Cable To "Z" Purlin Flange Hangers

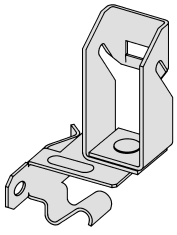
FEATURES

- Compensates for angle of purlin lip.
- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to "Z" Purlins up to 3/32" thick.
- Fastener will rotate 360°.
- Simply installed with a hammer.

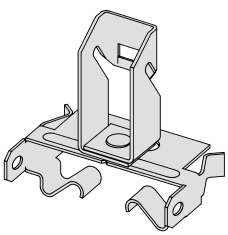
APPLICATIONS



PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BX4-F13	Single Runs	thru 3/32"	01188	100
BX4M-F13	Double Runs	thru 3/32"	01204	100



BX4-F13



BX4M-F13

c UL us

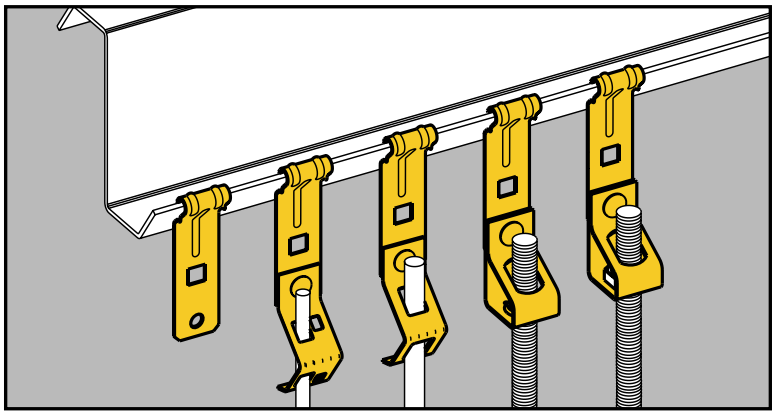
Hangers

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

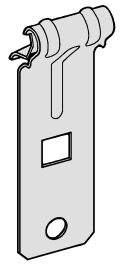
“Z” Purlin Flange Hangers

APPLICATIONS



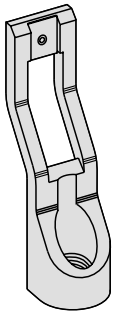
FEATURES

- Suspend #12, #10, #9, or #8 wire, 1/4" or 3/8" plain or threaded rod from “Z” Purlins.
- Fits “Z” Purlins 1/16" to 1/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.



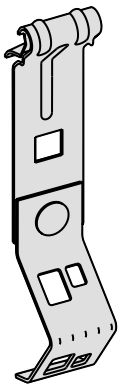
BF4

c UL us



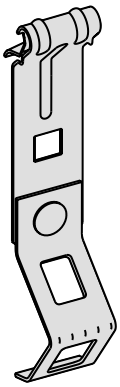
BT3

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BF4	For "S" Hooks, Bolting Straps and Wrap Wire	04271	100
BT3	Installation Tool for BF4 Hangers	04164	1



BH1-F4

c UL us



BH2-F4

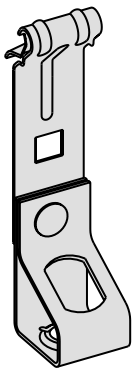
c UL us

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH1-F4	#8 Wire or 1/4" Plain Rod	04274	100
BH2-F4	3/8" Plain Rod	04276	100

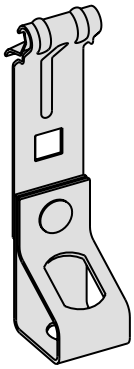
Read safety/installation instruction sheets in packages before use.

"Z" Purlin Flange Hangers

PART NUMBER	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH4-F4	1/4"	04286	100
BH6-F4	3/8"	04280	100
BH5-F4*	1/4", 3/8"	04278	100



BH4-F4
BH6-F4



BH5-F4

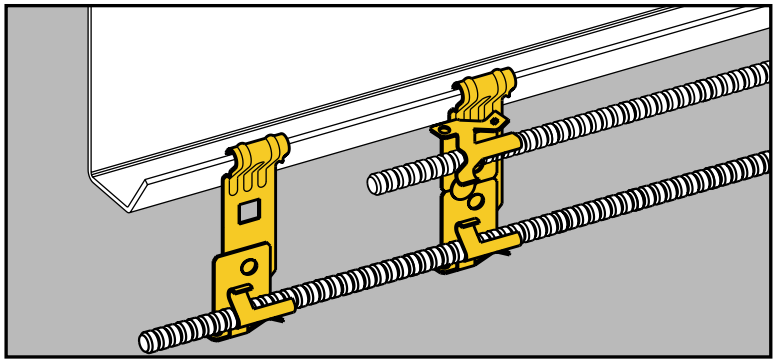
* Nuts required.
Note: BH4 & BH6 have thread impressions.

Cable To "Z" Purlin Flange Hangers

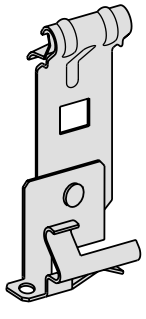
FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to "Z" Purlins.
- Fits "Z" Purlin flanges 1/16" to 1/4" thick.
- Fastener will rotate 360°.
- Simply installed with a hammer.

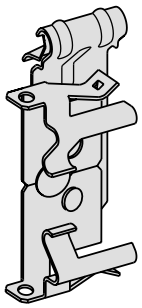
APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4-F4	Single Runs	04931	100
BX4M-F4	Double Runs	04932	100



BX4-F4



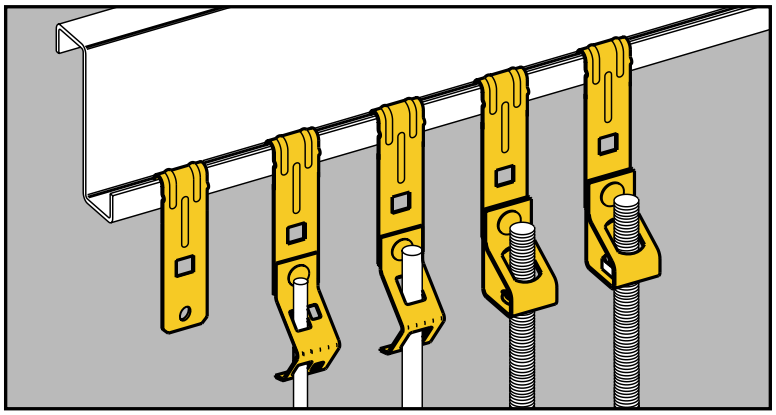
BX4M-F4

These products are designed for positioning only. No load rating.

Read safety/installation instruction sheets in packages before use.

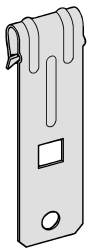
Vertical Flange Hangers

APPLICATIONS

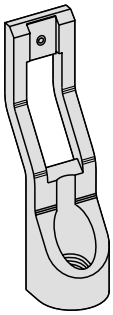


FEATURES

- Suspend #12, #10, #9, or #8 wire, 1/4" or 3/8" plain or threaded rod from vertical flanges.
- Fits vertical flanges 1/16" to 1/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.

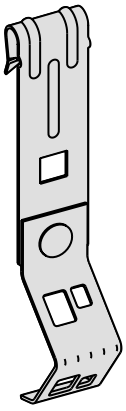


BF3

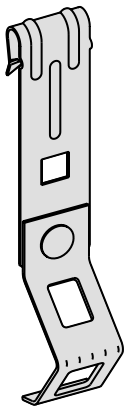


BT3

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BF3	For "S" Hooks, Bolting Straps and Wrap Wire	04270	100
BT3	Installation Tool for BF3 Hangers	04164	1



BH1-F3



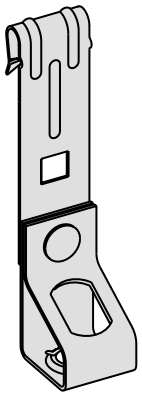
BH2-F3

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH1-F3	#8 Wire or 1/4" Plain Rod	04273	100
BH2-F3	3/8" Plain Rod	04275	100

Read safety/installation instruction sheets in packages before use.

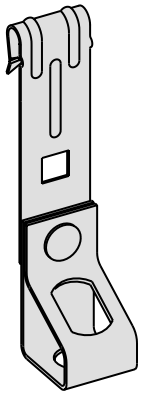
Vertical Flange Hangers

PART NUMBER	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH4-F3	1/4"	04285	100
BH6-F3	3/8"	04279	100
BH5-F3*	1/4", 3/8"	04933	100



BH4-F3
BH6-F3

c UL us



BH5-F3

c UL us

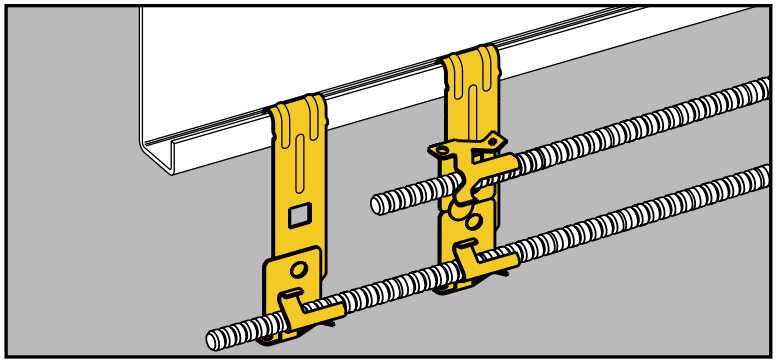
* Nuts required.
Note: BH4 & BH6 have thread impressions.

Cable To Vertical Flange Hangers

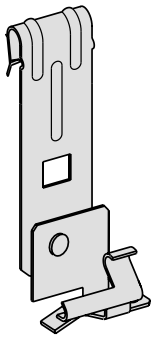
FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to vertical flanges 1/16" to 1/4" thick.
- Fastener will rotate 360°.
- Simply installed with a hammer.

APPLICATIONS

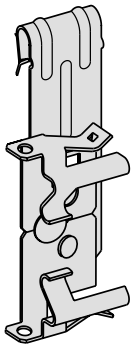


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BX4-F3	Single Runs	04281	100
BX4M-F3	Double Runs	04282	100



BX4-F3

c UL us



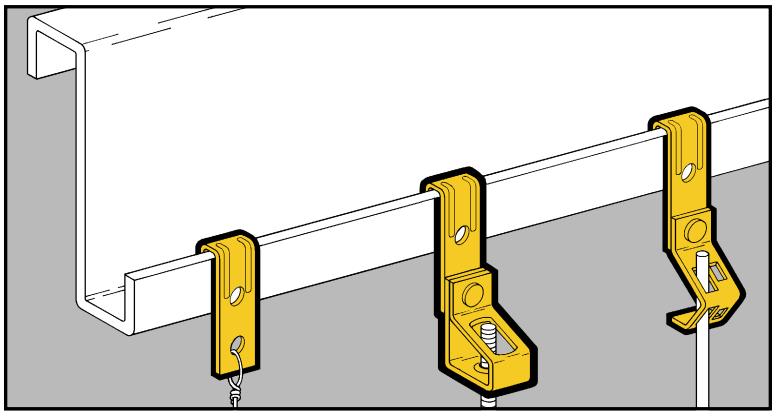
BX4M-F3

These products are designed for positioning only. No load rating.

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

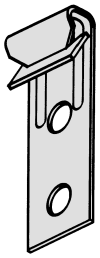
Vertical Flange Hangers



APPLICATIONS

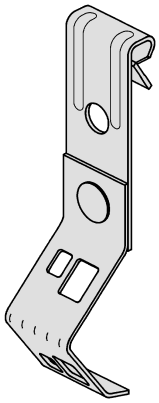
FEATURES

- Suspend #12, #10, #9, or #8 wire, 1/4" or 3/8" plain or threaded rod from vertical flanges.
- Fits vertical flanges 1/16" to 1/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.



c UL us

PART NUMBER	FLANGE THICKNESS	DESCRIPTION	UPC NO. 781011	BOX QTY.
BF1	1/16" to 5/32"	For "S" Hooks, Bolting Straps and Wrap Wire	18310	100
BF2	5/32" to 1/4"	For "S" Hooks, Bolting Straps and Wrap Wire	18315	100



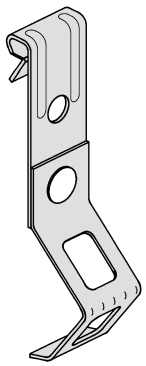
c UL us

PART NUMBER	FLANGE THICKNESS	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH1-F1	1/16" to 5/32"	#8 Wire or 1/4" Plain Rod	18915	100
BH1-F2	5/32" to 1/4"	#8 Wire or 1/4" Plain Rod	18925	100

Read safety/installation instruction sheets in packages before use.

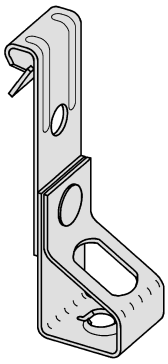
Vertical Flange Hangers

PART NUMBER	FLANGE THICKNESS	PLAIN ROD SIZE	UPC NO. 781011	BOX QTY.
BH2-F1	1/16" to 5/32"	3/8"	18955	100
BH2-F2	5/32" to 1/4"	3/8"	18965	100



c UL us

PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH4-F1	1/16" to 5/32"	1/4"	18995	100
BH6-F1	5/32" to 1/4"	3/8"	19075	100
BH4-F2	1/16" to 5/32"	1/4"	19005	100
BH6-F2	5/32" to 1/4"	3/8"	19085	100

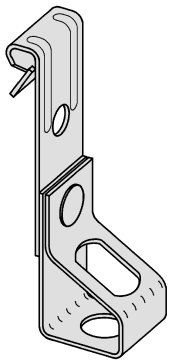


c UL us

With Thread Impression

Note: Overall height of fastener is 2 3/4".

PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH5-F1*	1/16" to 5/32"	1/4", 3/8"	19035	100
BH5-F2*	5/32" to 1/4"	1/4", 3/8"	19045	100



c UL us

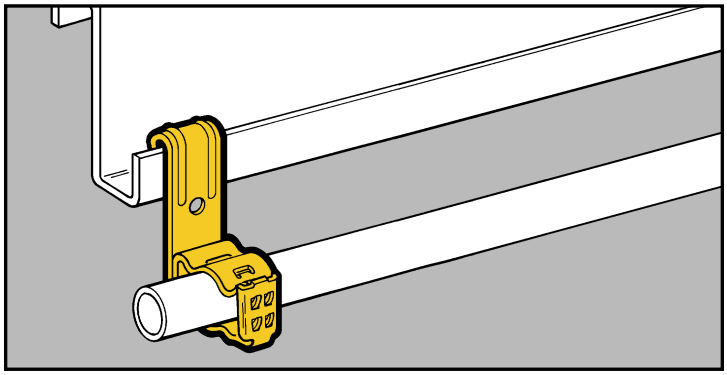
* Nuts required.

Note: Overall height of fastener is 2 3/4".

Read safety/installation instruction sheets in packages before use.

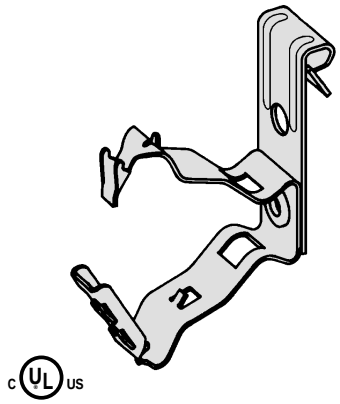
Conduit To Vertical Flange Hangers

APPLICATIONS



FEATURES

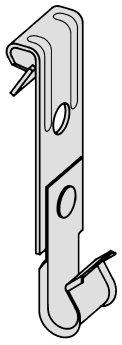
- Supports 3/8" to 1" conduit from vertical flanges 1/16" to 1/4" thick.
- Patented **Guide-Rite**® feature ensures fastener will close and lock every time.
- Simply installed with a hammer and pliers.
- Static Load Capacity: 25 Lbs.



Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BG-6-F1	3/8"	1/16" to 5/32"	19957	100
BG-6-F2	3/8"	5/32" to 1/4"	19960	100
BG-8-12-F1	1/2" & 3/4"	1/16" to 5/32"	19958	100
BG-8-12-F2	1/2" & 3/4"	5/32" to 1/4"	19961	100
BG-16-F1	1"	1/16" to 5/32"	19959	100
BG-16-F2	1"	5/32" to 1/4"	19962	100

Patent #4958792



PART NUMBER	WIRE SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BRC3-F1	#14-2 & #12-2 With Ground	1/16" to 5/32"	03556	100
BRC3-F2	#14-2 & #12-2 With Ground	5/32" to 1/4"	03557	100

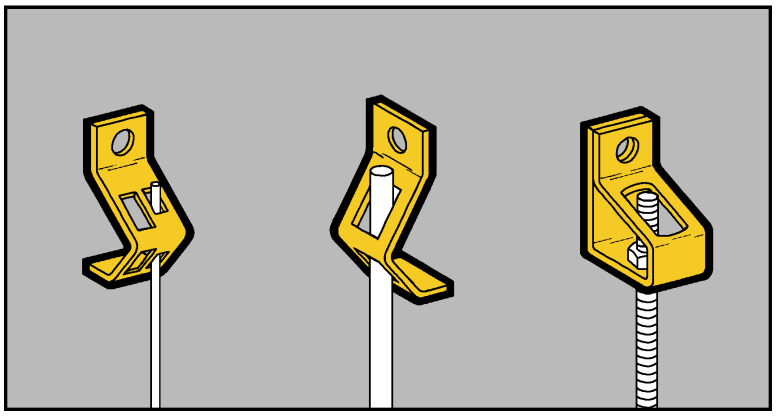
B-Line Fasteners

Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

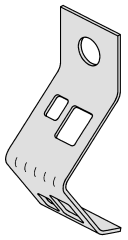
FEATURES

- BH1, BH2: For pre-assembly of wire or plain rod.
- BH7, BH8: For wire or chain drop from concrete or wood.
- BH5: For 1/4" and 3/8" threaded rod (Nuts required).
- BH4, BH6: For 1/4" and 3/8" threaded rod (with thread impression).
- Static Load Capacity: 160 Lbs.

APPLICATIONS

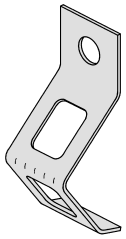


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH1	#8 Wire or 1/4" Plain Rod	18800	100
BH2	For 3/8" Plain Rod	18805	100



BH1

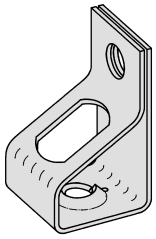
c UL us



BH2

c UL us

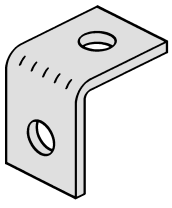
BH4	For 1/4" Threaded Rod	18815	100
BH6	For 3/8" Threaded Rod	18825	100
BH5*	For 1/4" and 3/8" Threaded Rod	18820	100



c UL us

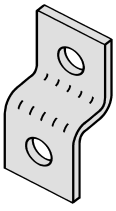
* Nuts required.
Note: BH4 & BH6 have thread impressions.

BH7	Angle Bracket with 1/4" Holes	18830	100
BH7-6	Angle Bracket with 1/4" and 3/8" Holes	18835	100
BH8	Offset Bracket with 1/4" Holes	18840	100
BH8-6	Offset Bracket with 1/4" and 3/8" Holes	18845	100



BH7

c UL us



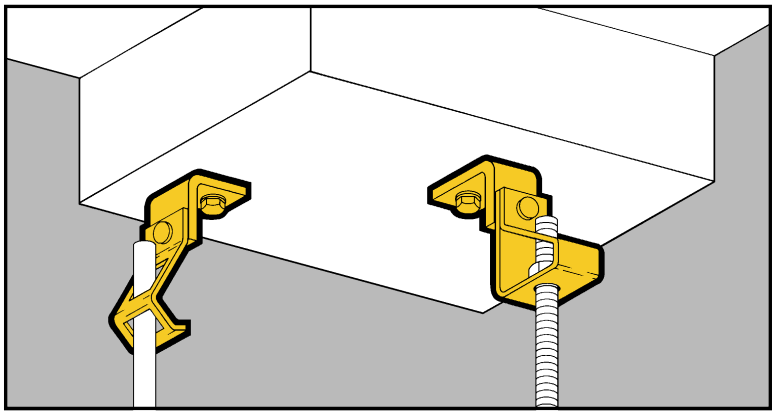
BH8

c UL us

Read safety/installation instruction sheets in packages before use.

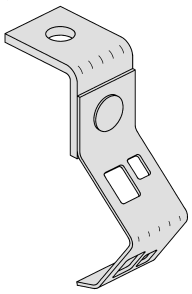
Angle Bracket Fasteners

APPLICATIONS

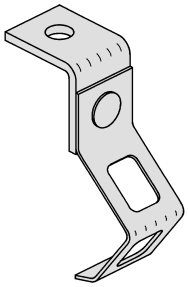


FEATURES

- Suspend plain or threaded rod and drop wire from ceilings, walls, concrete beams, joists and laminated wood beams.
- Clearance hole for 1/4" bolt provided.
- Static Load Capacity: 160 Lbs.

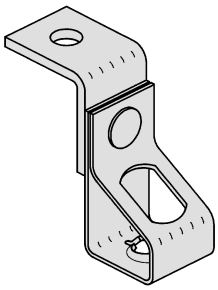


BH1-H7

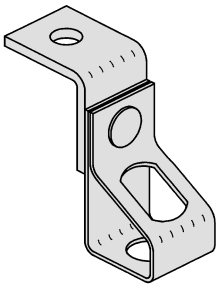


BH2-H7

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH1-H7	#8 Wire or 1/4" Plain Rod	18930	100
BH2-H7	3/8" Plain Rod	18970	100



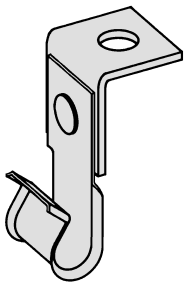
BH4-H7 & BH6-H7



BH5-H7

PART NUMBER	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH4-H7	1/4"-20	19010	100
BH6-H7	3/8"-16	19090	100
BH5-H7*	1/4"-20 or 3/8"-16	19050	100

* Nuts required.
Note: BH4 & BH6 have thread impressions.



PART NUMBER	WIRE SIZE	UPC NO. 781011	BOX QTY.
BRC3-H7	#14-2 & #12-2 With Ground	03554	100

B-Line Fasteners

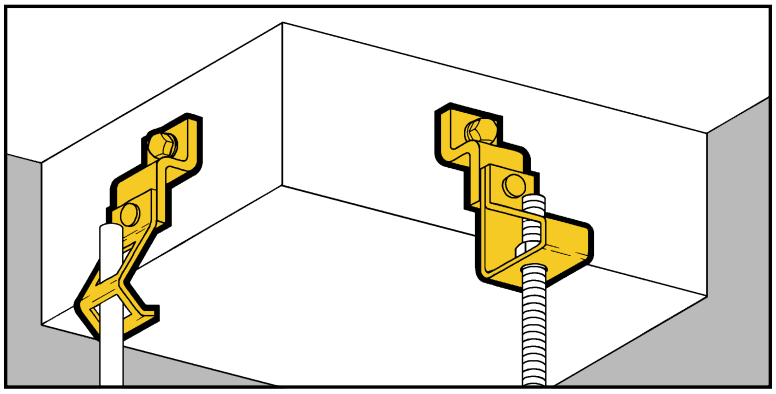
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Offset Bracket Fasteners

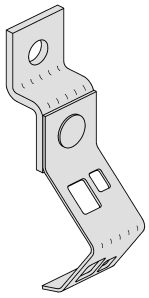
FEATURES

- Suspend plain or threaded rod and drop wire from ceilings, walls, concrete beams, joists and laminated wood beams.
- Clearance hole for 1/4" bolt provided.
- Static Load Capacity: 160 Lbs.

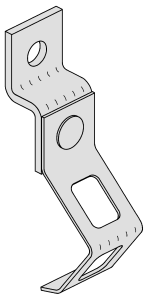
APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH1-H8	#8 Wire or 1/4" Plain Rod	18935	100
BH2-H8	3/8" Plain Rod	18975	100



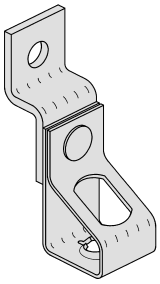
BH1-H8



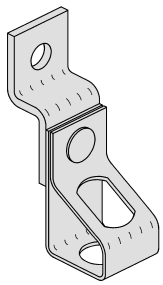
BH2-H8

PART NUMBER	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BH4-H8	1/4"-20	19015	100
BH6-H8	3/8"16	19095	100
BH5-H8*	1/4"-20 or 3/8"-16	19055	100

* Nuts required.
Note: BH4 & BH6 have thread impressions.

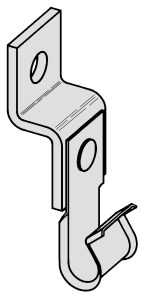


BH4-H8 & BH6-H8



BH5-H8

PART NUMBER	THREADED ROD SIZE	UPC NO. 781011	BOX QTY.
BRC3-H8	#14-2 & #12-2 With Ground	03555	100



Hangers

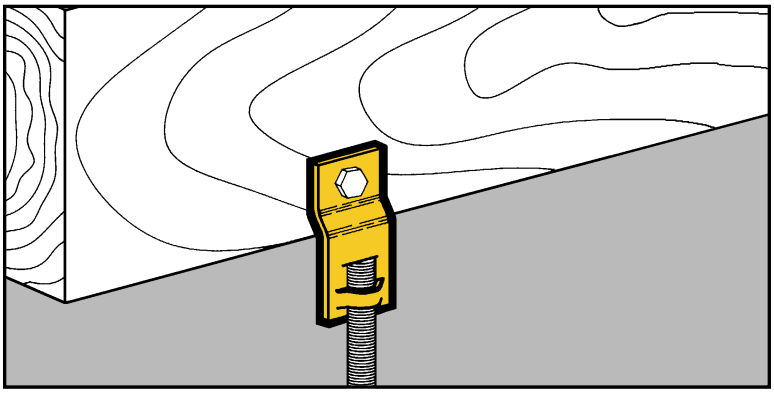
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

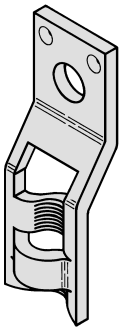
Threaded Rod Hangers

APPLICATIONS

FEATURES



- Suspend 3/8" threaded rod from ceilings, walls, concrete beams, joists and laminated wood beams.
- Finish: Pre-Galvanized.
- Static Load Capacity: 610 Lbs.

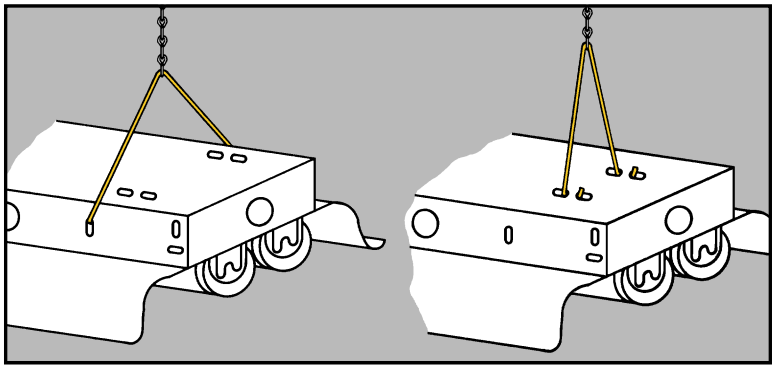


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
B3223-3/8	Offset Eye Socket	01661	100

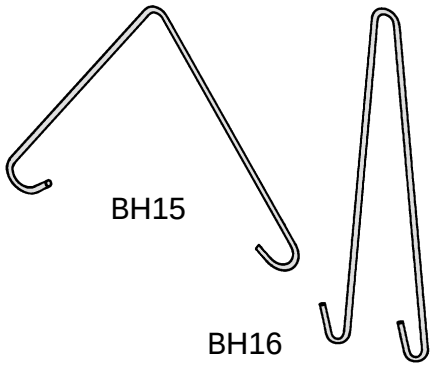
Light Fixture Hangers

APPLICATIONS

FEATURES



- For hanging industrial class fluorescent lighting fixtures.
- Use with Jack Chain and "S" Hooks for easy installation.
- No special tools required.
- Static Load Capacity: 29 Lbs.



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH15	Side Mount Fluorescent Light Fixture Hanger	01236	100
BH16	Top Mount Fluorescent Light Fixture Hanger	01237	100

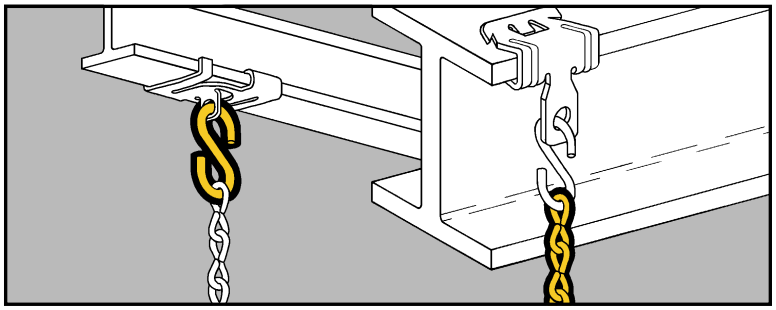
Read safety/installation instruction sheets in packages before use.

Jack Chain & "S" Hooks

FEATURES

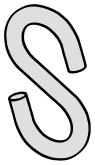
- For support of light fixtures and signs.
- Static Load Capacity: 29 Lbs.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH9	#12 Single Jack Chain	18850	100 ft.
BH9-10	#10 Single Jack Chain	02901	100 ft.

BH10	#11 "S" Hooks	18855	50

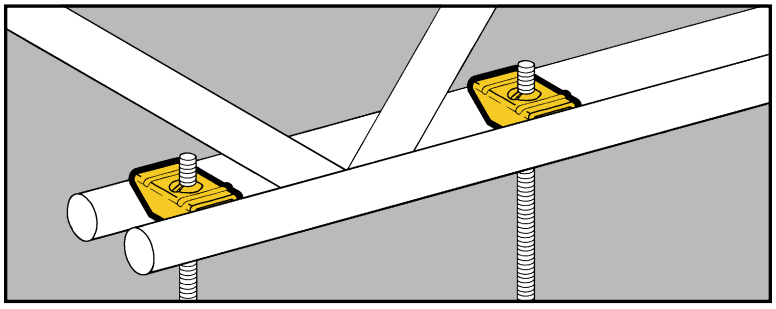


Wedge Hangers

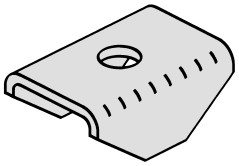
FEATURES

- Allows centering on all open web joists with round bottom chords.
- Static Load Capacity:
  BH11 = 200 Lbs.
  BH12 = 100 Lbs.

APPLICATIONS

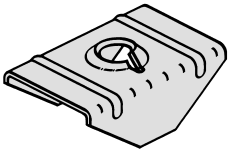


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BH11	With 3/8" Clearance Hole	18860	100



c UL us

BH12	With 1/4"-20 Thread Impression	18865	100

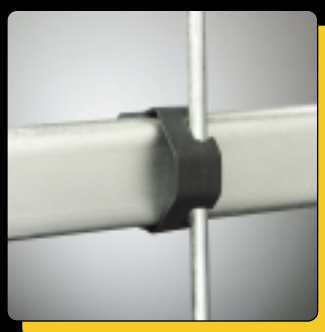
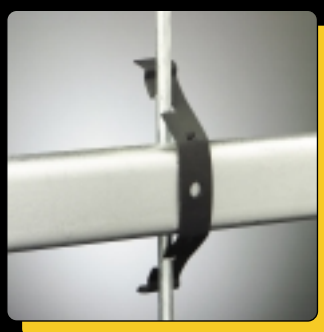
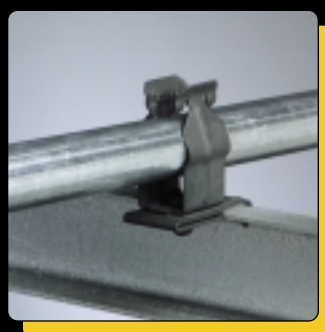


c UL us

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Lathers Channel

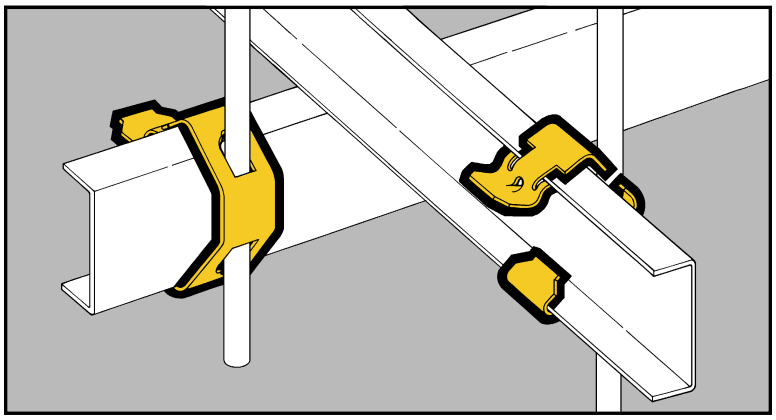




Rod & Wire Fasteners

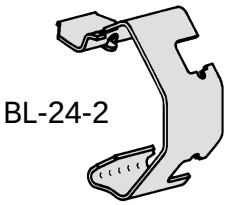
FEATURES

- For fastening standard lathers channels to wires and unthreaded rods.
- Fits 1/2" through 5/8" channel flange widths.
- Accepted for use by the City of New York Department of Buildings. MEA 383-91-M.
- Static Load Capacity: 160 Lbs.

APPLICATIONS

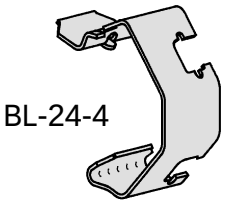


PART NUMBER	CHANNEL SIZE	ROD/WIRE SIZE	UPC NO. 781011	BOX QTY.
BL-24-2	1 1/2"	#8 Wire	19882	100
BL-24-4	1 1/2"	1/4" Rod	19883	100
BL-32-4	2"	1/4" Rod	19885	100



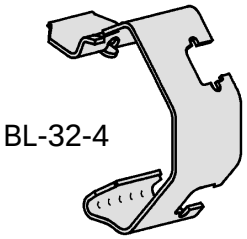
BL-24-2

c UL us



BL-24-4

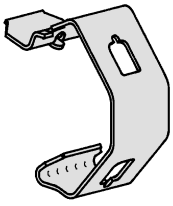
c UL us



BL-32-4

Side Mount c UL us

PART NUMBER	CHANNEL SIZE	ROD/WIRE SIZE	UPC NO. 781011	BOX QTY.
BL-24-4C	1 1/2"	1/4" Rod	19884	100



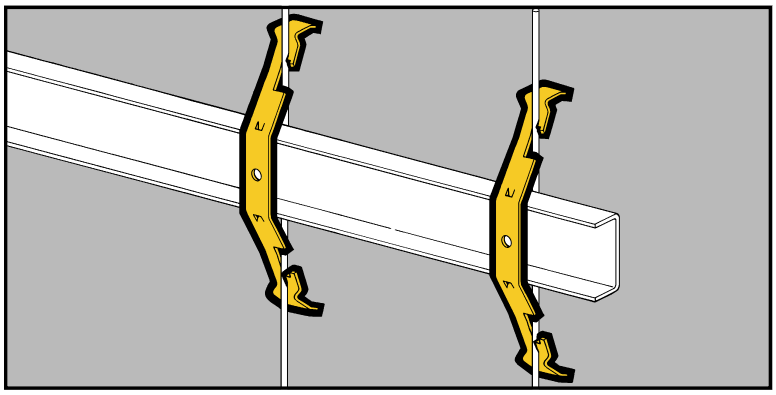
Center Mount c UL us

Lathers Channel

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

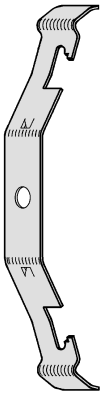
Rod & Wire Fasteners



APPLICATIONS

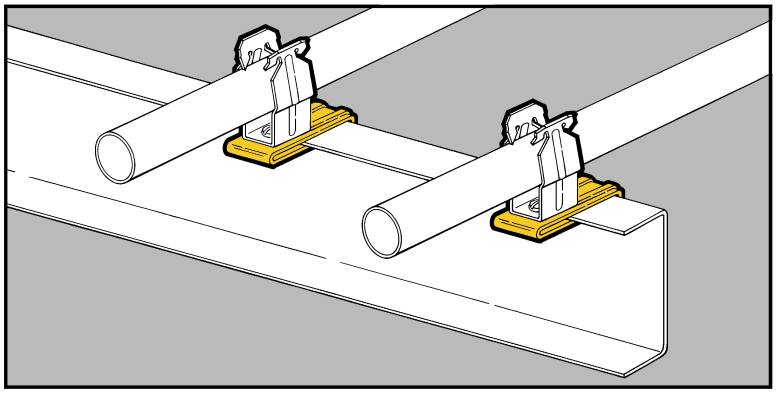
FEATURES

- For fastening standard 1 1/2" lathers channel to wires and unthreaded rods.
- Wire size: #8 and #9.
- Rod size: 3/16" and 1/4".
- Fits 9/16" thru 5/8" channel flange widths.
- Static Load Capacity: 100 Lbs.



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BL1	Channel to Rod & Wire	19880	100

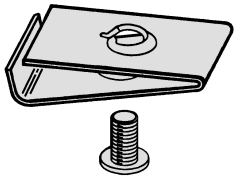
Flange Fasteners



APPLICATIONS

FEATURES

- Serves as a mounting base for conduit fasteners or electrical boxes.
- Attaches to either flange of lathers channel with 1/4"-20 screw (furnished).
- Fits channel flange widths up to 5/8".



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BL2	Flange Fastener with Screw	19881	100

Note: This product is designed for positioning only. No load rating.

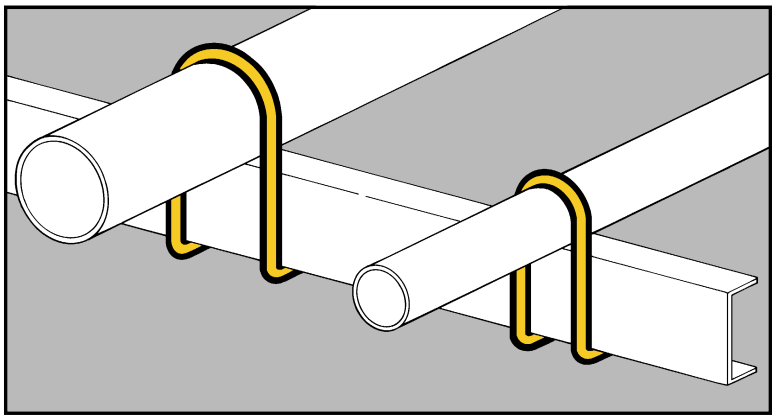
Read safety/installation instruction sheets in packages before use.

Conduit Fasteners

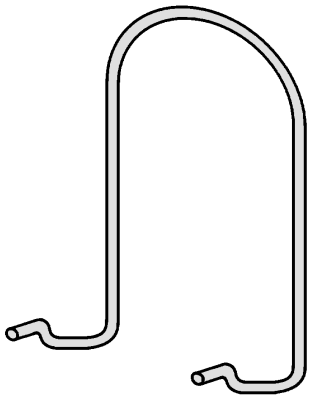
FEATURES

- Fastens EMT to 1 1/2" lathers channel.
- Static Load Capacity: 50 Lbs.

APPLICATIONS



PART NUMBER	EMT CONDUIT SIZE	UPC NO. 781011	BOX QTY.
BL3-8	1/2"	19902	100
BL3-12	3/4"	19903	100
BL3-16	1"	19904	100
BL3-20	1 1/4"	19905	100

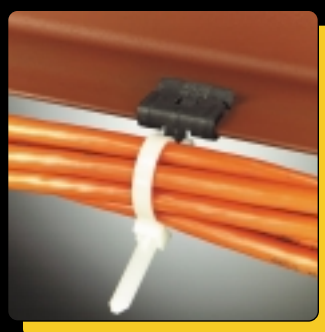


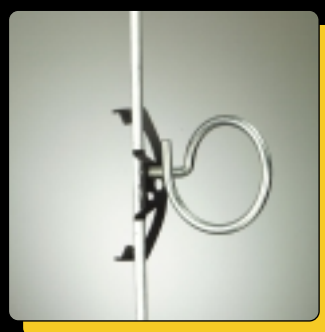
c UL us

Lathers Channel

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners



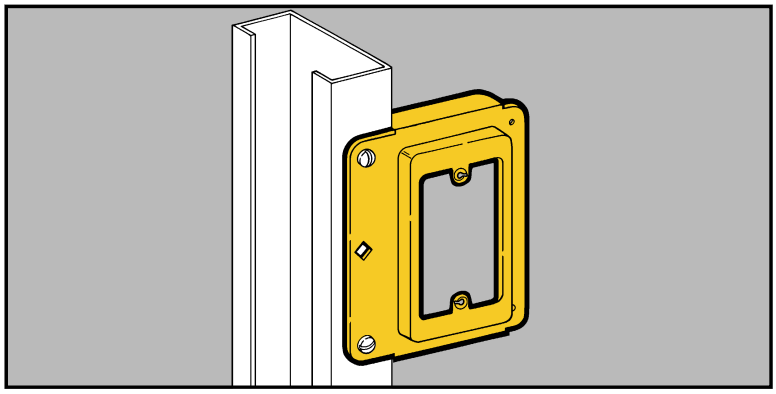


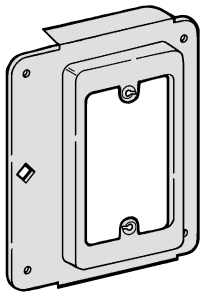
Cover Plate Mounting Bracket

FEATURES

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Attaches to metal studs with screws (not included).
- Replaces electrical box in Class 2 low voltage installations.
- For 1/2" and 5/8" drywall applications.

APPLICATIONS





PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB15	Single Gang Stud Bracket	19873	25

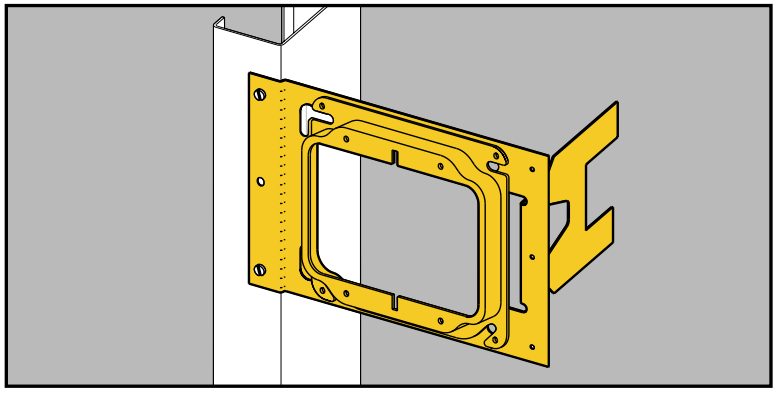
c UL us

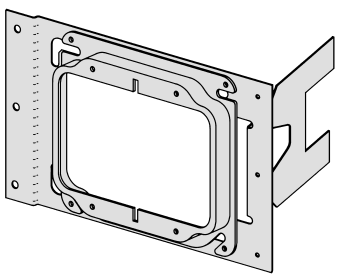
Cover Plate Mounting Bracket

FEATURES

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Attaches to metal studs with screws (not included).
- Heavy-duty double gang design with far side support.

APPLICATIONS





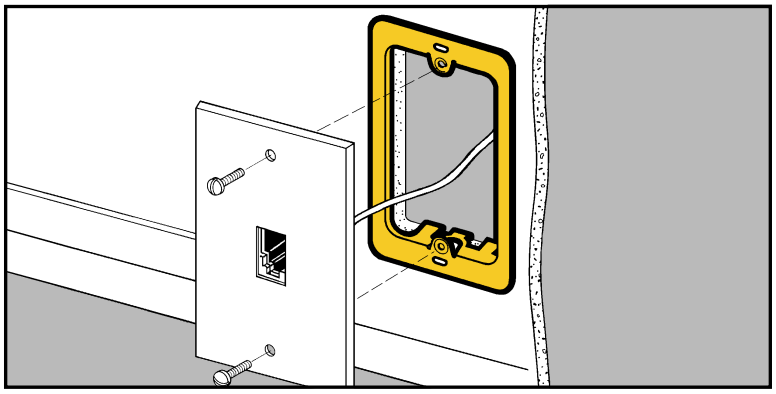
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB25	Double Gang Stud Bracket (1/2" Raise)	03625	25
BB25-10	Double Gang Stud Bracket (5/8" Raise)	03626	25

c UL us

Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

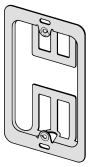
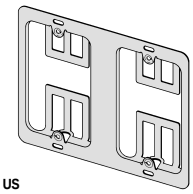
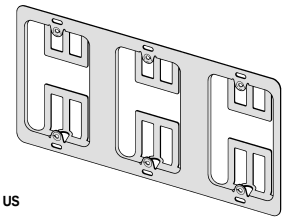
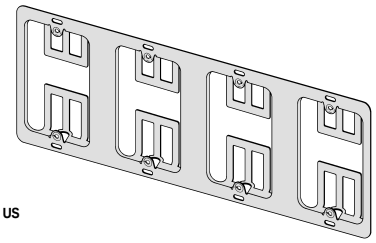
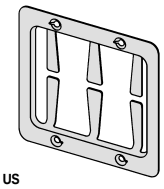
Cover Plate Mounting Brackets

APPLICATIONS



FEATURES

- Replaces electrical box in Class 2 low voltage installations.
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- New BB10 series design accepts Decora®* style cover plates.
- Maximum 1 1/4" drywall thickness.

	PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
	**BB10**	Single Gang Bracket	18150	50
	Patent # Re.33305			
	**BB10-2**	Mounts 2 Single Plates	18152	10
	Patent # Re.33305			
	**BB10-3**	Mounts 3 Single Plates	19878	10
	Patent # Re.33305			
	**BB10-4**	Mounts 4 Single Plates	19879	10
	Patent # Re.33305			
	**BB20**	Double Gang Bracket	18130	10
	Patent # Re.33305			

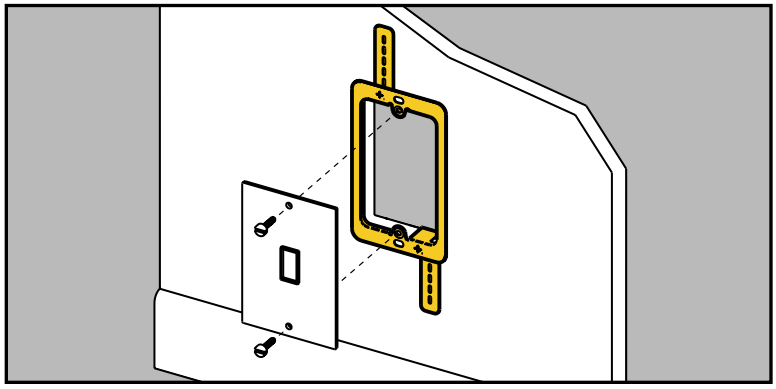
Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.
*** Decora® is a registered trademark of Leviton Corporation.**

Cover Plate Mounting Brackets

FEATURES

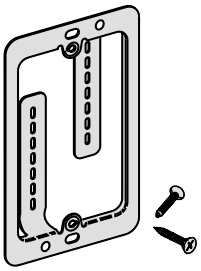
- Replaces electrical box in Class 2 low voltage installations.
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Provides rigid support when installed with screws that are provided.
- Maximum 1 1/4" drywall thickness.

APPLICATIONS



NEW

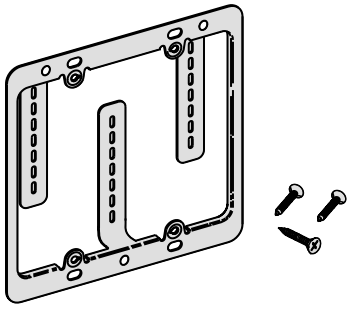
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BB10L	Single Gang Bracket	90895	50



c UL us

NEW

BB20L	Double Gang Bracket	90896	50



c UL us

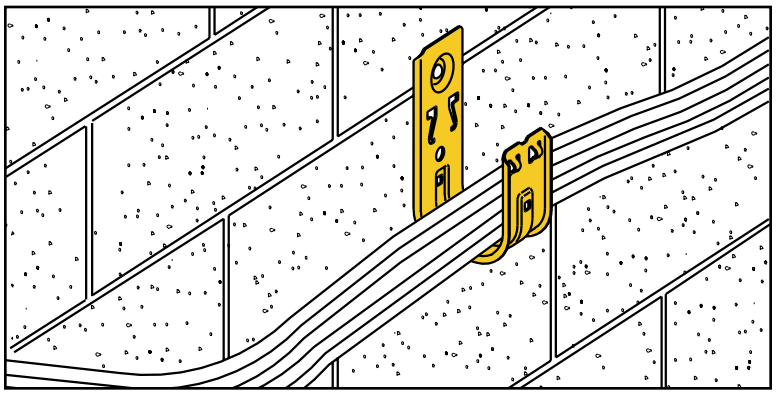
Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

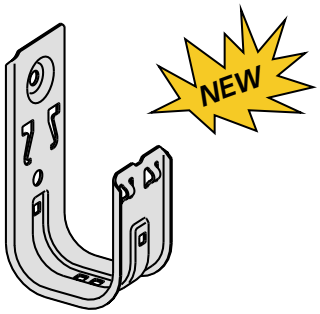
Cable Hooks

APPLICATIONS

FEATURES



- Supports all category 5, fiber optic, innerduct and low voltage cabling requirements.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers (see below) or cable ties.
- Standard Finish is Pre-Galvanized Steel. Also available in Type 304 stainless steel or zinc-plated spring steel.
- Static Load Capacity: Galv. & Stainless Steel-30 Lbs. Zinc-Plated Spring Steel-100 Lbs.



c UL us

Patent #5961081

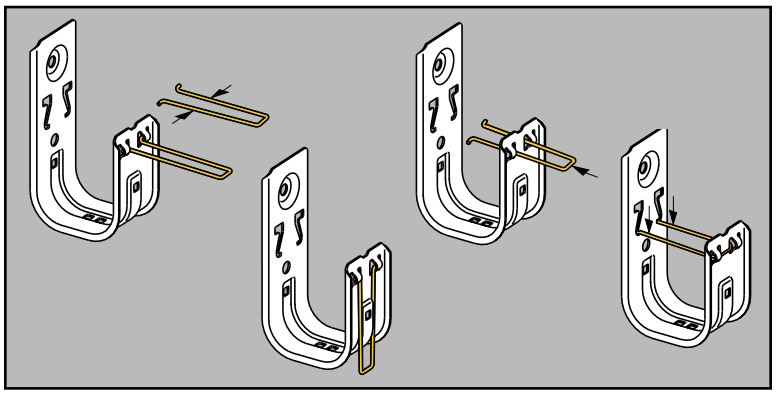
PART NUMBER	HOOK SIZE	CAPACITY	UPC NO. 781011	BOX QTY.
BCH21	$1^{5}/_{16}$"	30 4-Pair UTP	04713	50
BCH32	2"	70 4-Pair UTP	04717	50
BCH64	4"	280 4-Pair UTP	04721	25

Note: Part numbers listed above are for galvanized hooks - Add "SS4" for Stainless Steel or add "H" for Zinc-Plated Spring Steel for heavy-duty applications. (See pages 146 & 147 for technical data.)

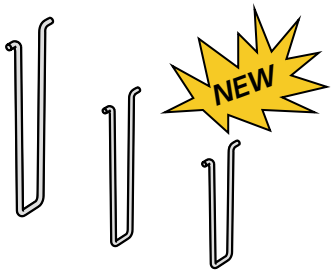
Qwik-Latch™ Cable Retainers

APPLICATIONS

FEATURES



- Exclusive Qwik-Latch™ cable retainers provide secure containment of cables.
- Quick open and close design for adding and removing cable runs.
- Type 302 stainless steel plenum-rated design is more economical than plenum-rated cable ties.
- Retracts completely out of wireway area for ease of cable installation.



Patent #5961081

PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCHR21	$1^{5}/_{16}$"	Cable Retainer	04847	50
BCHR32	2"	Cable Retainer	04848	50
BCHR64	4"	Cable Retainer	04849	50

Read safety/installation instruction sheets in packages before use.

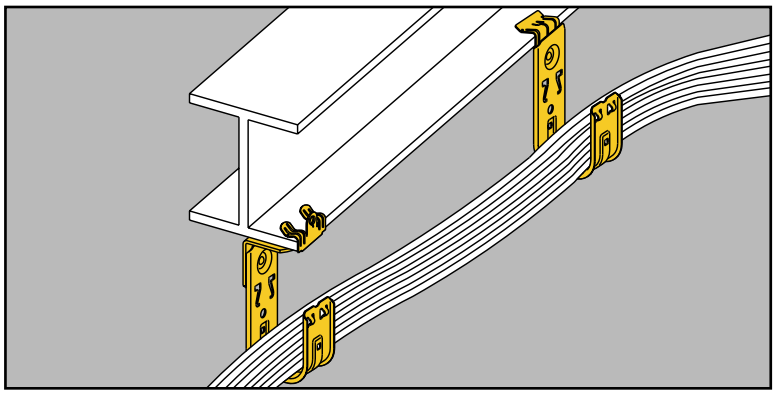
B-Line Fasteners

Cable To Beam Fasteners

FEATURES

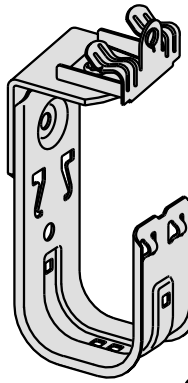
- Permits fast and easy installation on beam flanges.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a hammer.
- Static Load Capacity: 30 Lbs.

APPLICATIONS



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BCH21-U-2-4	1 5/16"	1/8" to 1/4"	04809	50
BCH21-U-5-8	1 5/16"	5/16" to 1/2"	04811	50
BCH21-U-9-12	1 5/16"	9/16" to 3/4"	04813	50
BCH32-U-2-4	2"	1/8" to 1/4"	04831	50
BCH32-U-5-8	2"	5/16" to 1/2"	04833	50
BCH32-U-9-12	2"	9/16" to 3/4"	04835	50
BCH64-U-2-4	4"	1/8" to 1/4"	04864	25
BCH64-U-5-8	4"	5/16" to 1/2"	04865	25
BCH64-U-9-12	4"	9/16" to 3/4"	04866	25

NEW

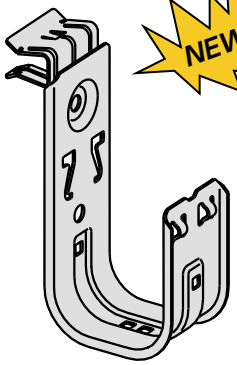


c UL us

Allows 360° Rotation

BCH21-E-2-4	1 5/16"	1/8" to 1/4"	04803	50
BCH21-E-5-8	1 5/16"	5/16" to 1/2"	04805	50
BCH21-E-9-12	1 5/16"	9/16" to 3/4"	04807	50
BCH32-E-2-4	2"	1/8" to 1/4"	04825	50
BCH32-E-5-8	2"	5/16" to 1/2"	04827	50
BCH32-E-9-12	2"	9/16" to 3/4"	04829	50

NEW



c UL us

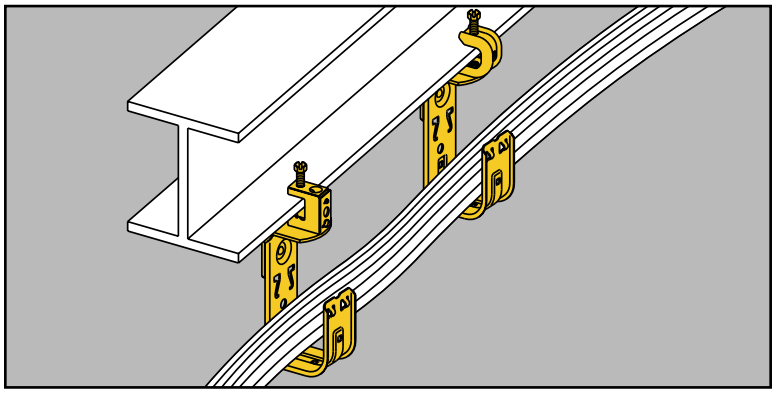
Note: Part numbers listed above are supplied with galvanized hooks only. (See pages 146 & 147 for technical data.)

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

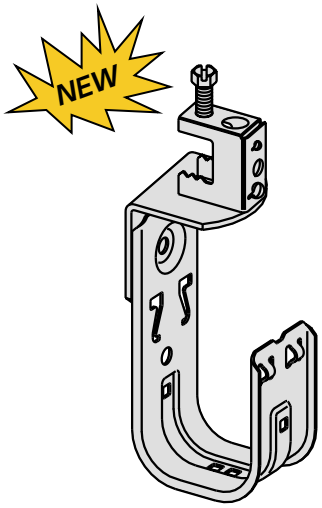
Cable To Beam Fasteners

APPLICATIONS



FEATURES

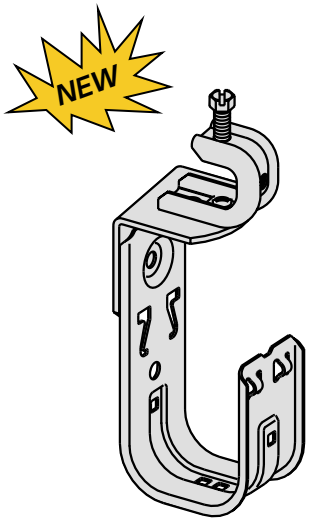
- 360° rotation allows cable to run in any direction.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a screwdriver.
- Static Load Capacity: 30 Lbs.



c UL us

PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BCH21-C2	$1\frac{5}{16}$"	Thru $\frac{1}{2}$"	04821	50
BCH32-C2	2"	Thru $\frac{1}{2}$"	04843	50
BCH64-C2	4"	Thru $\frac{1}{2}$"	04867	25

Note: Part numbers listed above are supplied with galvanized hooks only.
(See pages 146 & 147 for technical data.)



c UL us

PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BCH21-C442	$1\frac{5}{16}$"	$\frac{1}{8}$" to $\frac{5}{8}$"	04823	50
BCH32-C442	2"	$\frac{1}{8}$" to $\frac{5}{8}$"	04845	50
BCH64-C442	4"	$\frac{1}{8}$" to $\frac{5}{8}$"	04868	25

Note: Part numbers listed above are supplied with galvanized hooks only.
(See pages 146 & 147 for technical data.)

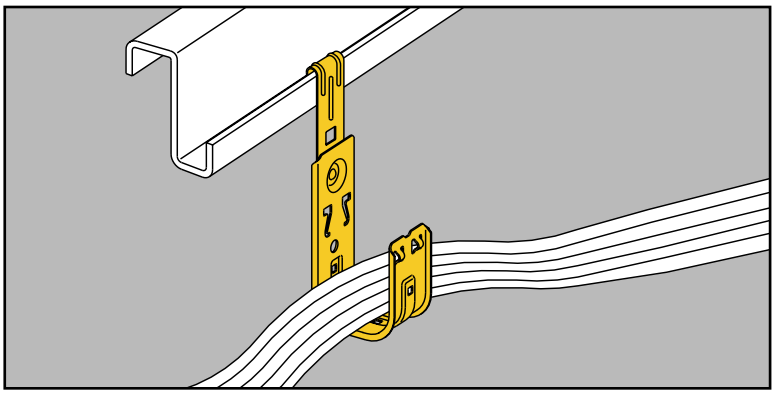
Read safety/installation instruction sheets in packages before use.

Cable To Flange Fasteners

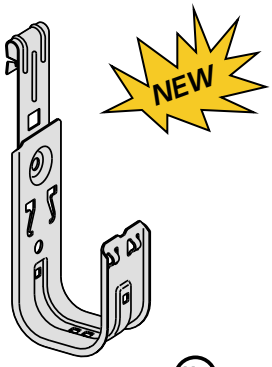
FEATURES

- Supports cable from vertical flanges.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a hammer.
- Static Load Capacity: 30 Lbs.

APPLICATIONS



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BCH21-F3	$1^{5}/_{16}$"	$^{1}/_{16}$" to $^{1}/_{4}$"	04815	50
BCH32-F3	2"	$^{1}/_{16}$" to $^{1}/_{4}$"	04837	50
BCH64-F3	4"	$^{1}/_{16}$" to $^{1}/_{4}$"	04869	25



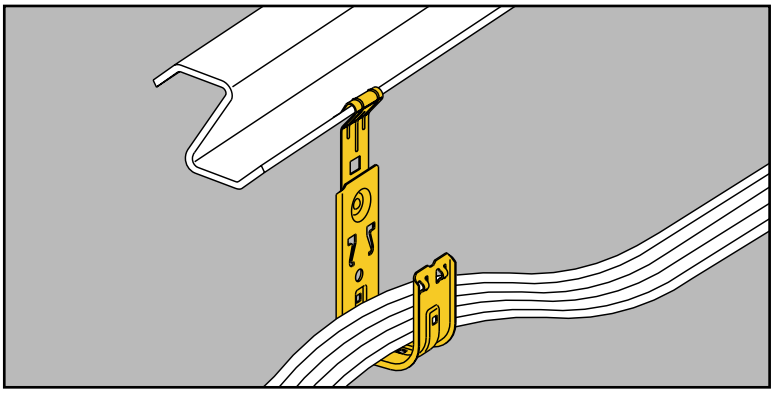
c UL us

Note: Part numbers listed above are supplied with galvanized hooks only. (See pages 146 & 147 for technical data.)

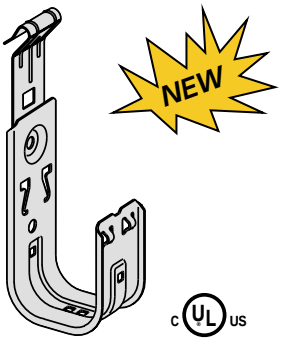
FEATURES

- Supports cable from angled flanges.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a hammer.
- Static Load Capacity: 30 Lbs.

APPLICATIONS



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BCH21-F4	$1^{5}/_{16}$"	$^{1}/_{16}$" to $^{1}/_{4}$"	04817	50
BCH32-F4	2"	$^{1}/_{16}$" to $^{1}/_{4}$"	04839	50
BCH64-F4	4"	$^{1}/_{16}$" to $^{1}/_{4}$"	04870	25



c UL us

Note: Part numbers listed above are supplied with galvanized hooks only. (See pages 146 & 147 for technical data.)

Patent #5961081

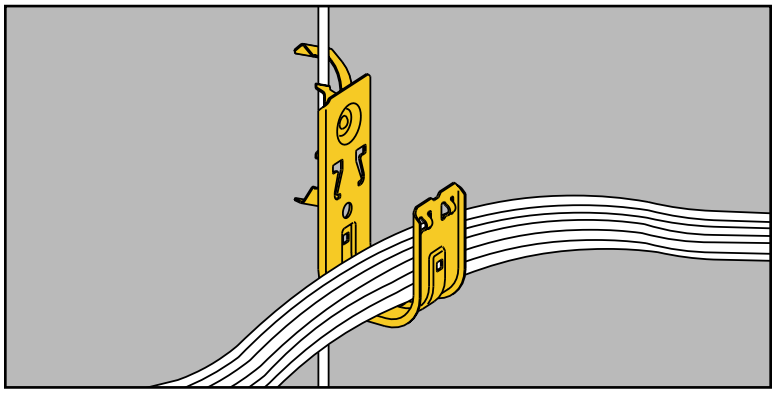
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

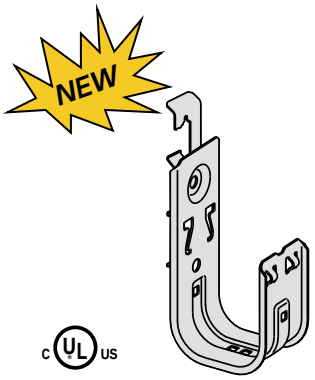
Cable To Rod Fasteners

APPLICATIONS

FEATURES



- Supports cable from #12 wire thru 3/8" threaded rod.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 25 Lbs.



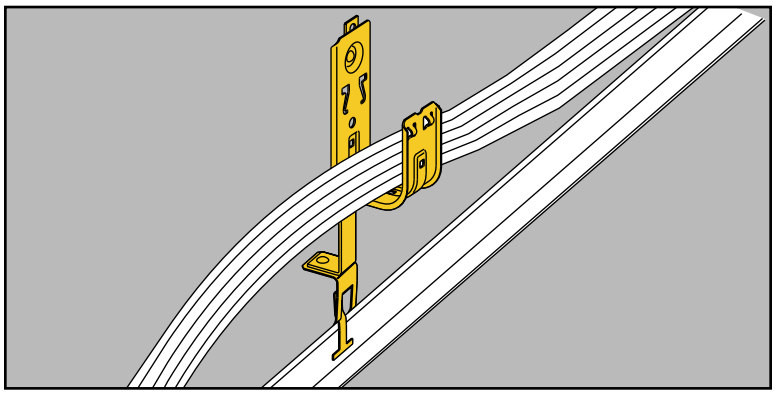
PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH21-W2	1 5/16"	#12 Wire Thru 1/4" Plain Rod	04819	50
BCH32-W2	2"	#12 Wire Thru 1/4" Plain Rod	04841	50
BCH21-W6	1 5/16"	3/8" Plain or Threaded Rod	95567	50
BCH32-W6	2"	3/8" Plain or Threaded Rod	95569	50

Note: Part numbers listed above are supplied with galvanized hooks only.
(See pages 146 & 147 for technical data.)

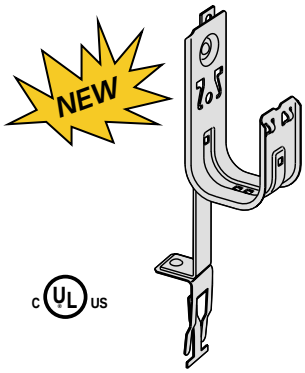
Cable To T-Bar Fasteners

APPLICATIONS

FEATURES



- Supports cable above ceiling grid.
- 360° rotation allows cable to run in any direction.
- Provides compliance with the new 1997 EIA/TIA standard 569-A.
- Permits dropwire attachment if required.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs.



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH21-A28	1 5/16"	Cable to T-Bar	04857	50
BCH32-A28	2"	Cable to T-Bar	04858	50

Note: Part numbers listed above are supplied with galvanized hooks only.
(See pages 146 & 147 for technical data.)

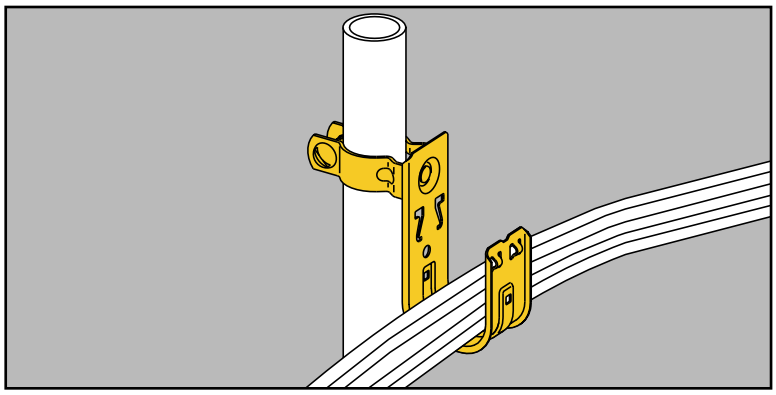
Read safety/installation instruction sheets in packages before use.

Cable To Floor Support Fasteners

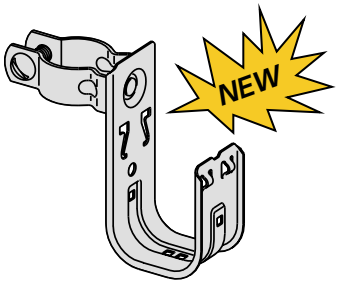
FEATURES

- Supports cable from computer floor post.
- Organizes cable off the floor for a neat installation.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs.

APPLICATIONS



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH21-L1410	$1^{5}/_{16}$"	1" O.D. Floor Post	04851	50
BCH32-L1410	2"	1" O.D. Floor Post	04855	50
BCH64-L1410	4"	1" O.D. Floor Post	04871	25



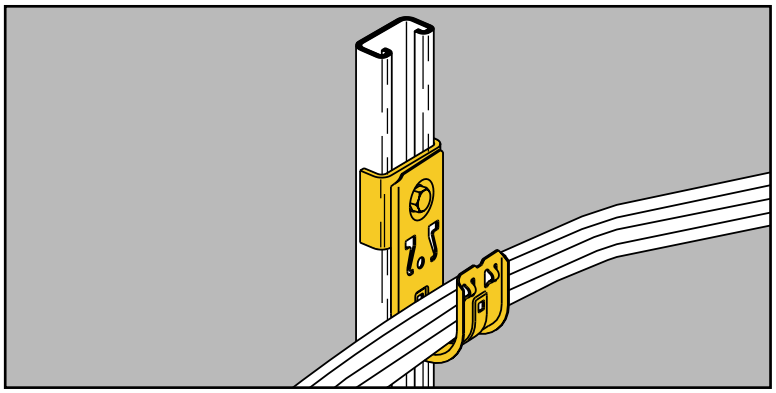
Note: Part numbers listed above are supplied with galvanized hooks only. (See pages 146 & 147 for technical data.)

Cable To Strut Fasteners

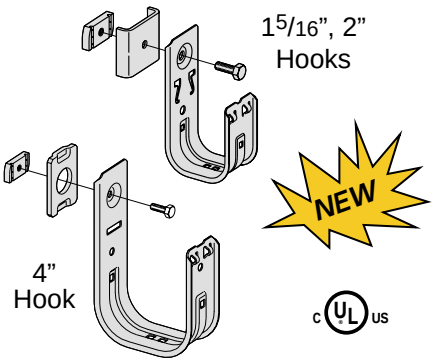
FEATURES

- Provides means for directly attaching cable hooks to standard $1^{5}/_{8}$" strut.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Hex head screw and channel nut included.
- Static Load Capacity:
  Galv. & Stainless Steel-30 Lbs.
  Zinc-Plated Spring Steel-100 Lbs.

APPLICATIONS



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH21-SM	$1^{5}/_{16}$"	Strut Mount	04746	50
BCH32-SM	2"	Strut Mount	04750	50
BCH64-SM	4"	Strut Mount	04754	25



Note: Part numbers listed are galvanized hooks - Insert "SS4" before dash for Stainless Steel or insert "H" before dash for Zinc-Plated Spring Steel for heavy-duty applications. (See pages 146 & 147 for technical data.)

Patent #5961081

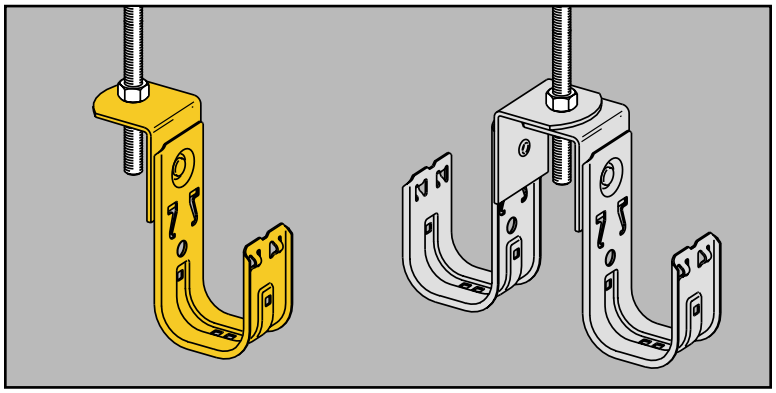
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

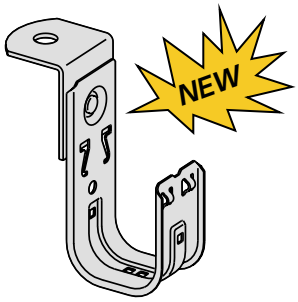
Cable To ATR Fasteners

APPLICATIONS

FEATURES



- .505” diameter hole designed to support cable from 3/8” or 1/2” threaded rod.
- Allows back-to-back and multi-tier installations.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs.



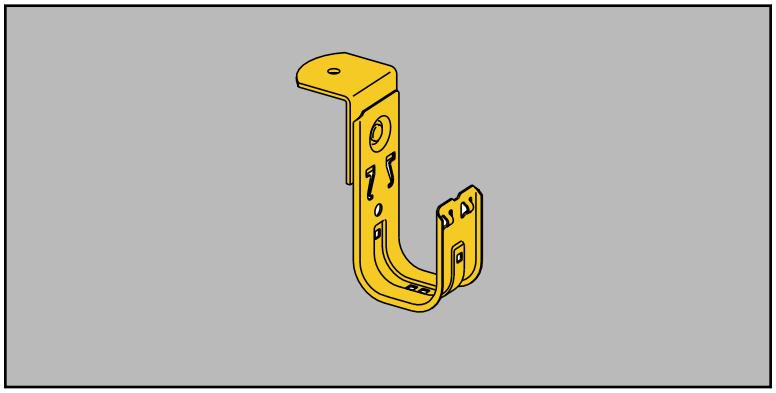
PART NUMBER	HOOK SIZE	HOLE SIZE	UPC NO. 781011	BOX QTY.
BCH21-AB	1 5/16”	.505” Diameter	04725	50
BCH32-AB	2”	.505” Diameter	04729	50
BCH64-AB	4”	.505” Diameter	04732	25

Note: Part numbers listed above are for galvanized hooks - Insert “SS4” before dash for Stainless Steel.
(See pages 146 & 147 for technical data.)

Angle Bracket Cable Fasteners

APPLICATIONS

FEATURES



- Designed for direct attachment to structures.
- Supports cable from 1/4” threaded rod.
- .265” diameter hole accepts anchors, screws or common nails.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs.

PART NUMBER	HOOK SIZE	HOLE SIZE	UPC NO. 781011	BOX QTY.
BCH21-RB	1 5/16”	.265” Diameter	04735	50
BCH32-RB	2”	.265” Diameter	04738	50
BCH64-RB	4”	.265” Diameter	04742	25

Note: Part numbers listed above are for galvanized hooks - Insert “SS4” before dash for Stainless Steel.
(See pages 146 & 147 for technical data.)

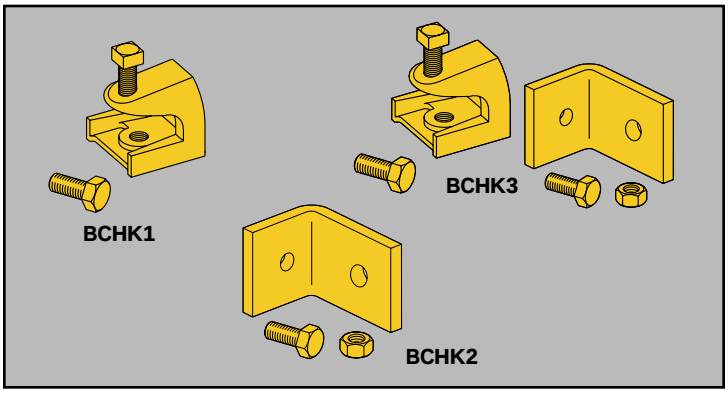
Read safety/installation instruction sheets in packages before use.

Multi-Tier Attachment Kits

FEATURES

- Kits permit secure attachment of single-tier and multi-tier fasteners.
- BCHK1 includes:
  - 1 ea. beam clamp
  - 1 ea. 1/4"-20 x 1/2" hex head cap screw
- BCHK2 includes:
  - 1 ea. angle bracket
  - 1 ea. 5/16"-18 x 3/4" hex head cap screw
  - 1 ea. 5/16"-18 hex nut
- BCHK3 includes:
  - 1 ea. BCHK1
  - 1 ea. BCHK2

APPLICATIONS



PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BCHK1	Beam Clamp Kit	Thru 5/8"	04872	10
BCHK2	Angle Bracket Kit	—	04860	10
BCHK3	Beam Clamp with Angle Bracket (swivels 360°)	Thru 5/8"	04873	10

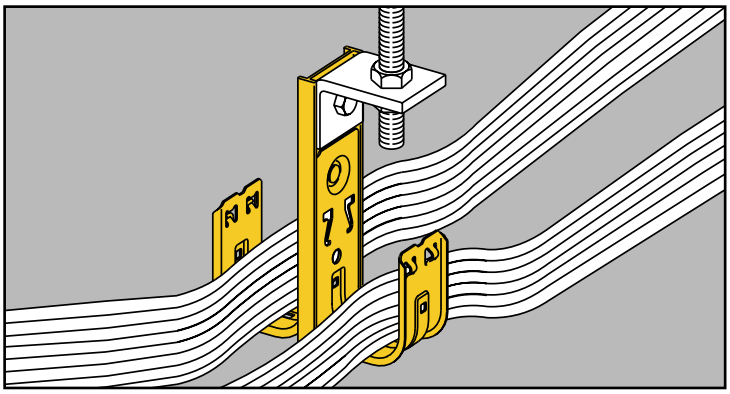
NEW

Double-Sided Multi-Tier Cable Fasteners

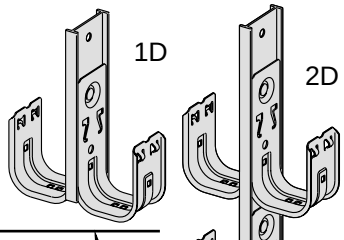
FEATURES

- Factory assembled multi-tier fasteners increase installation flexibility.
- Unique design prevents hooks and assembly from rotating when pulling cable.
- All support bars furnished in 6063-T6 aluminum.
- Shown with optional BCHK2 kit.
- Static Load Capacity: (per hook)
  Galv. & Stainless Steel-30 Lbs.
  Zinc-Plated Spring Steel-100 Lbs.

APPLICATIONS



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH21-1D	1 5/16"	1 Tier, 2-Sided, 5 1/2" Height	04758	20
BCH32-1D	2"	1 Tier, 2-Sided, 6 3/16" Height	04762	20
BCH64-1D	4"	1 Tier, 2-Sided, 9" Height	04874	10
BCH21-2D	1 5/16"	2 Tier, 2-Sided, 9 1/4" Height	04766	10
BCH32-2D	2"	2 Tier, 2-Sided, 11" Height	04770	10
BCH64-2D	4"	2 Tier, 2-Sided, 18 1/4" Height	04875	10



NEW

Patent #5961081

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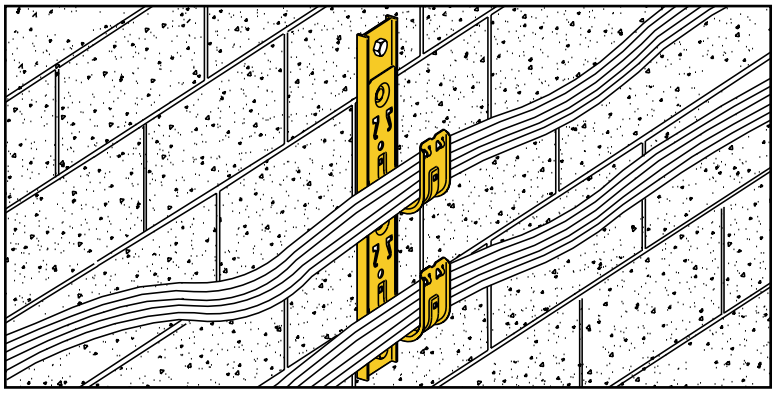
Note: Part numbers listed are galvanized hooks - Insert "SS4" before dash for Stainless Steel or insert "H" before dash for Zinc-Plated Spring Steel for heavy-duty applications. (See pages 146 & 147 for technical data.)

Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Single-Sided Multi-Tier Cable Fasteners

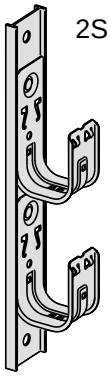


APPLICATIONS

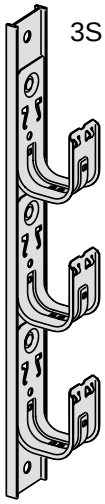
FEATURES

- Factory assembled multi-tier fasteners increase installation flexibility.
- Available in two-tier through six-tier assemblies.
- Unique design prevents hooks and assembly from rotating when pulling cable.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- All support bars furnished in 6063-T6 aluminum.
- Static Load Capacity: (per hook)
  Galv. & Stainless Steel-30 Lbs.
  Zinc-Plated Spring Steel-100 Lbs.

NEW



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH21-2S	1 5/16"	2 Tier, Single-Sided 11" Overall Height	04773	10
BCH32-2S	2"	2 Tier, Single-Sided 12 3/4" Overall Height	04776	10
BCH64-2S	4"	2 Tier, Single-Sided 22 7/16" Overall Height	95300	10



BCH21-3S	1 5/16"	3 Tier, Single-Sided 14 3/4" Overall Height	04779	10
BCH32-3S	2"	3 Tier, Single-Sided 17 1/2" Overall Height	04782	10
BCH64-3S	4"	3 Tier, Single-Sided 31 13/16" Overall Height	95303	10

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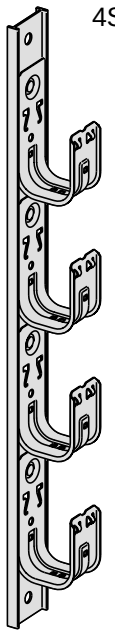
Note: Part numbers listed are galvanized hooks - Insert "SS4" before dash for Stainless Steel or insert "H" before dash for Zinc-Plated Spring Steel for heavy-duty applications. (See pages 146 & 147 for technical data.)

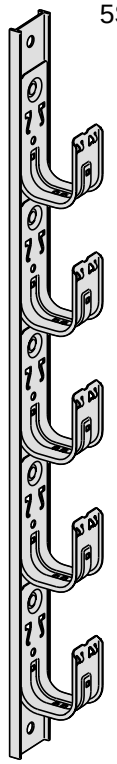
Read safety/installation instruction sheets in packages before use.

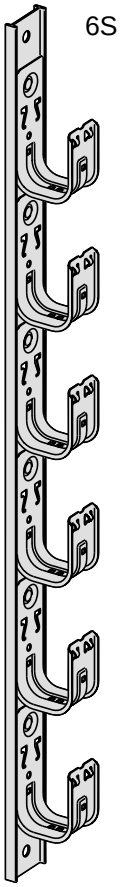
Single-Sided Multi-Tier Cable Fasteners

PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH21-4S	1 5/16"	4 Tier, Single-Sided 18 1/2" Overall Height	04785	10
BCH32-4S	2"	4 Tier, Single-Sided 21 3/4" Overall Height	04788	10
BCH21-5S	1 5/16"	5 Tier, Single-Sided 21 3/4" Overall Height	04791	10
BCH32-5S	2"	5 Tier, Single-Sided 27" Overall Height	04794	10
BCH21-6S	1 5/16"	6 Tier, Single-Sided 26" Overall Height	04797	10
BCH32-6S	2"	6 Tier, Single-Sided 31 3/4" Overall Height	04800	10



NEW





Note: Part numbers listed are galvanized hooks - Insert "SS4" before dash for Stainless Steel or insert "H" before dash for Zinc-Plated Spring Steel for heavy-duty applications. (See pages 146 & 147 for technical data.)

Patent #5961081

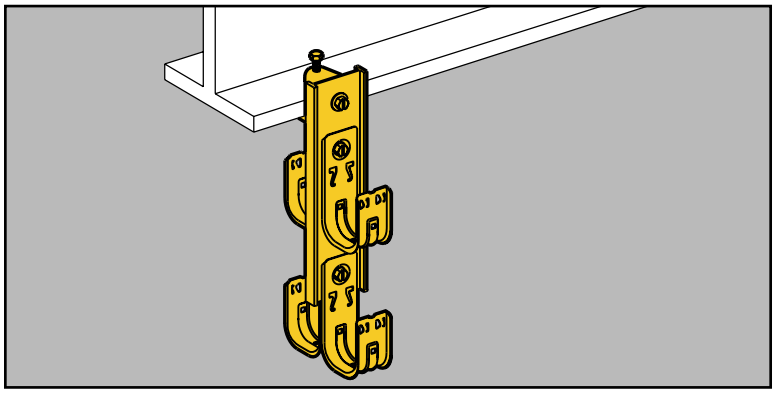
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Multi-Tier Cable Hook Kits

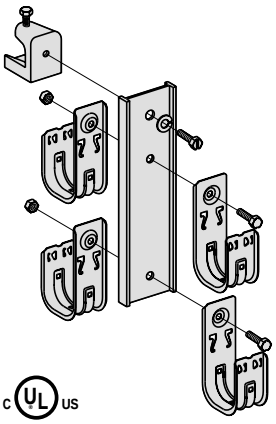
APPLICATIONS

FEATURES



- Multi-Tier cable hook kits allow for flexibility during installation.
- Unique design prevents hooks and assembly from rotating when pulling cable.
- All support bars furnished in 6063-T6 aluminum.
- Static Load Capacity: (per hook)
  Galv. & Stainless Steel-30 Lbs.
  Zinc-Plated Spring Steel-100 Lbs.
- All hardware included.

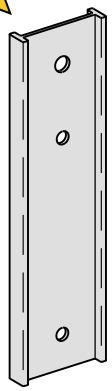
NEW



PART NUMBER	KIT CONTENTS	UPC NO. 781011	BOX QTY.
BCH-KIT-A	BCH-32 (20 pcs.) BCH-HB21 (5 pcs.) B444-1/4 (5 pcs.)	99575	1 Kit
BCH-KIT-B	BCH-21 (10 pcs.) BCH-32 (10 pcs.) BCH-HB21 (5 pcs.) B444-1/4 (5 pcs.)	99577	1 Kit
BCH-KIT-C	BCH-21 (20 pcs.) BCH-HB21 (5 pcs.) B444-1/4 (5 pcs.)	99578	1 Kit
BCH-KIT-D	BCH-64 (20 pcs.) BCH-HB64 (5 pcs.) B444-1/4 (5 pcs.)	99579	1 Kit

Patent #5961081

NEW



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BCH-HB21	Support Bar for BCH-21 and BCH-32	99572	20
BCH-HB64	Support Bar for BCH-64	99574	20

Note: Part numbers listed are supplied with galvanized hooks only. (See pages 146 & 147 for technical data.)

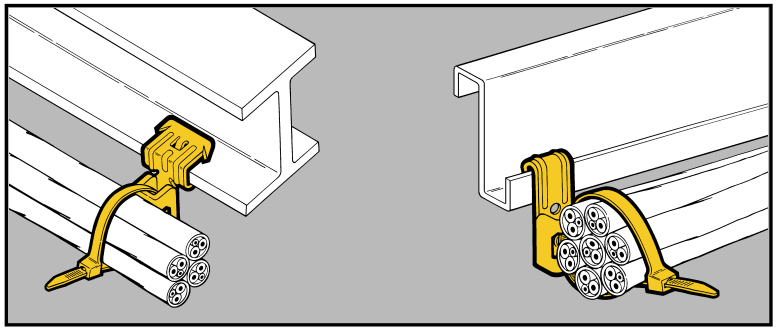
Read safety/installation instruction sheets in packages before use.

Cable Fasteners

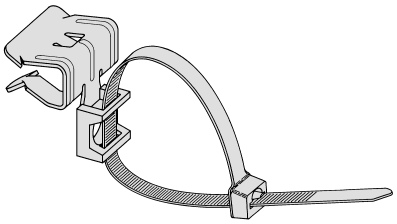
FEATURES

- Supports cable ties up to 9/32" wide from flanges 1/16" to 3/4" thick.
- Designed for securing communication cables.
- 8" cable tie included.
- Simply installed with a hammer.

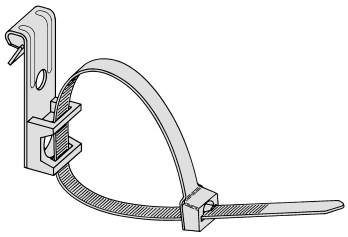
APPLICATIONS



PART NUMBER	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BE-2-4-CT2	1/8" to 1/4"	19970	100
BE-5-8-CT2	5/16" to 1/2"	19971	100
BE-9-12-CT2	9/16" to 3/4"	19972	100



BF1-CT2	1/16" to 5/32"	19968	100
BF2-CT2	5/32" to 1/4"	19969	100

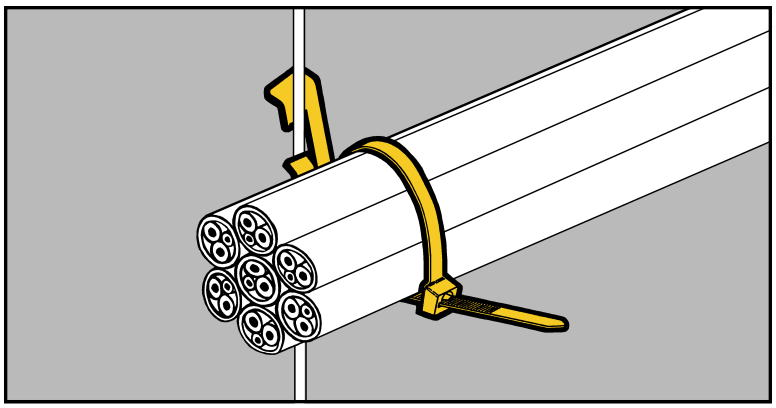


Cable Fasteners

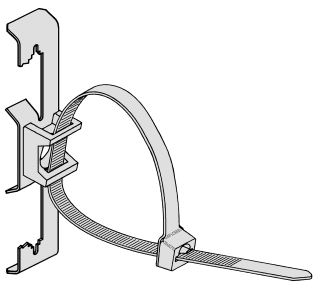
FEATURES

- Supports cable ties up to 9/32" wide from drop wires.
- Designed for securing communication cables.
- 8" cable tie included.

APPLICATIONS

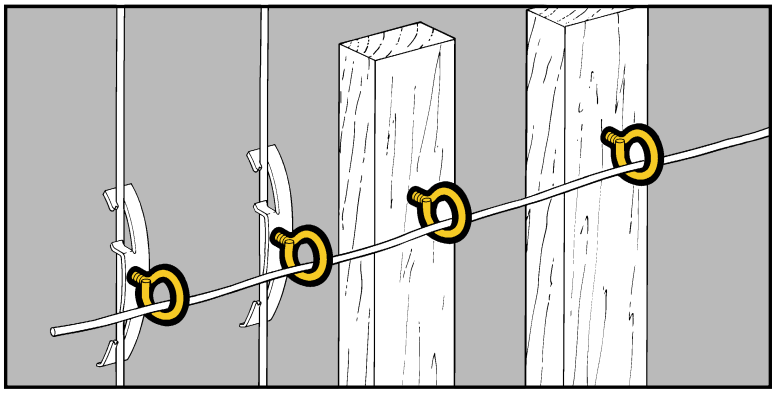


PART NUMBER	ROD SIZE	UPC NO. 781011	BOX QTY.
BW2-CT2	#12 wire thru 1/4" plain rod	02866	100
BW2-CT6	3/8" plain or threaded rod	95603	100



Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

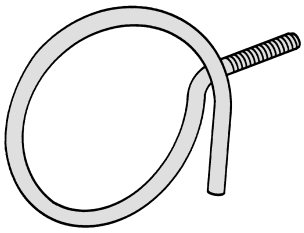
Threaded Bridle Rings



APPLICATIONS

FEATURES

- Supports low voltage communication cables from beams or rods when used with other fasteners.
- ***Ultimate Static Load Capacity:*** 50 Lbs.



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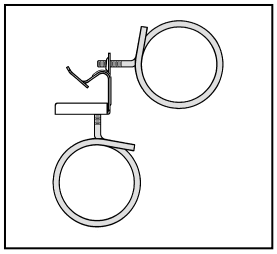
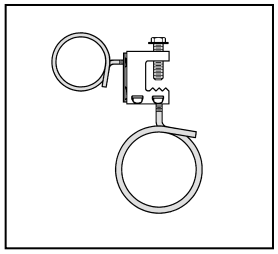
PART NUMBER	RING SIZE	THREAD SIZE	UPC NO. 781011	BOX QTY.
BR-8-T	1/2"	#10-24	19550	100
BR-12-T	3/4"	#10-24	19555	100
BR-20-T	1 1/4"	#10-24	19560	100
BR-32-T	2"	#10-24	19570	100
BR-20-4T	1 1/4"	1/4"-20	19565	100
BR-32-4T	2"	1/4"-20	19575	100
BR-64-4T	4"	1/4"-20	19889	50

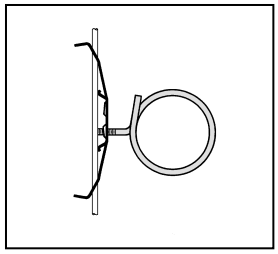
Also available for use with the following B-Line Fasteners.



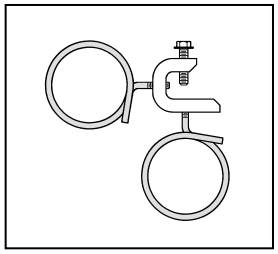
BU-9-12



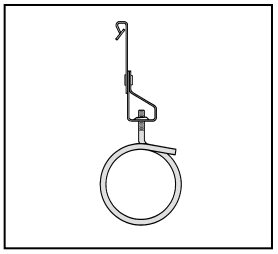
BC1



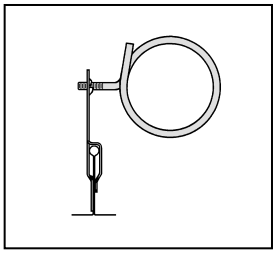
BW2



BC442



BH4-F3



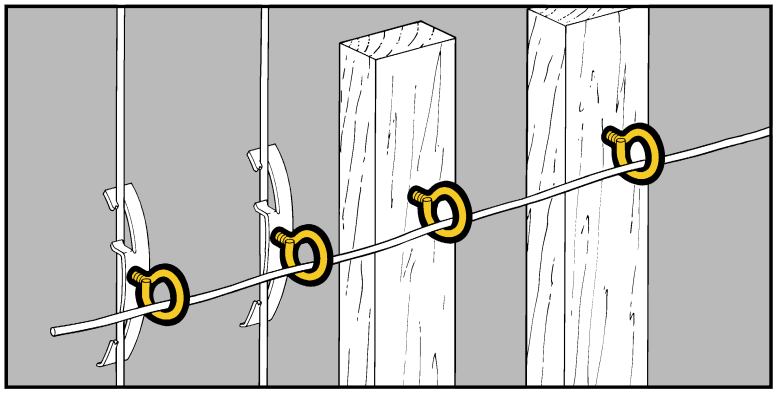
BA5-4T

Threaded Bridle Rings

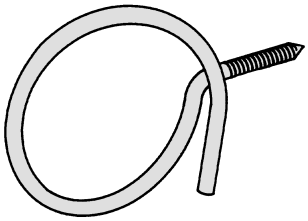
FEATURES

- Supports low voltage communication cables from wood structures.
- ***Ultimate Static Load Capacity:*** 50 Lbs.

APPLICATIONS



PART NUMBER	RING SIZE	THREAD SIZE	UPC NO. 781011	BOX QTY.
BR-16-3W	1"	3/16"	19875	100
BR-24-4W	1 1/2"	1/4"	19886	100
BR-32-4W	2"	1/4"	19876	100

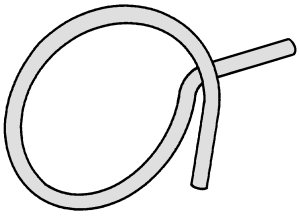


c UL us

Lag Screw for Wood Beams.

Unthreaded Bridle Rings

PART NUMBER	RING SIZE	UPC NO. 781011	BOX QTY.
BR-8	1/2"	02909	100
BR-12	3/4"	02910	100
BR-20	1 1/4"	02913	100
BR-32	2"	02915	100



c UL us

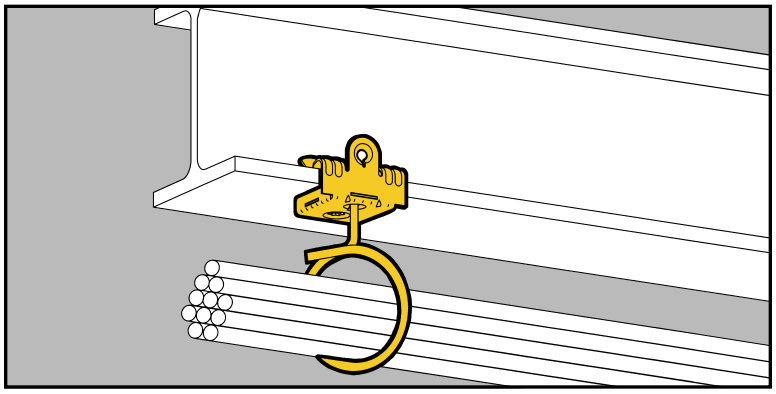
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

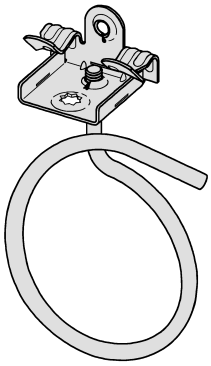
Bridle Ring/Beam Fastener Assy.

APPLICATIONS

FEATURES



- Supports low voltage communication cables from beam flanges 1/8" to 3/4" thick.
- Pre-assembled with 2" bridle ring.
- Reduces installation time.
- Static Load Capacity : 15 lbs.

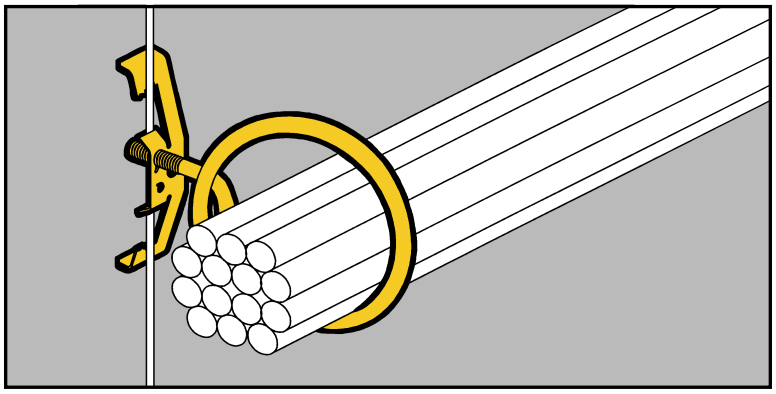


PART NUMBER	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.
BR-32-4T-U-2-4	1/8" to 1/4"	02921	50
BR-32-4T-U-5-8	5/16" to 1/2"	02923	50
BR-32-4T-U-9-12	9/16" to 3/4"	02924	50

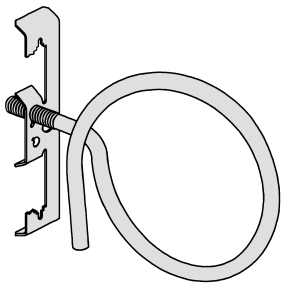
Bridle Ring/Rod & Wire Fastener Assy.

APPLICATIONS

FEATURES



- Supports low voltage communication cables from drop wire.
- Pre-assembled with 2" bridle ring.
- Reduces installation time.
- Static Load Capacity : 15 lbs.



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BR-32-4T-W2	#12 Wire Thru 1/4" Plain Rod	02929	50

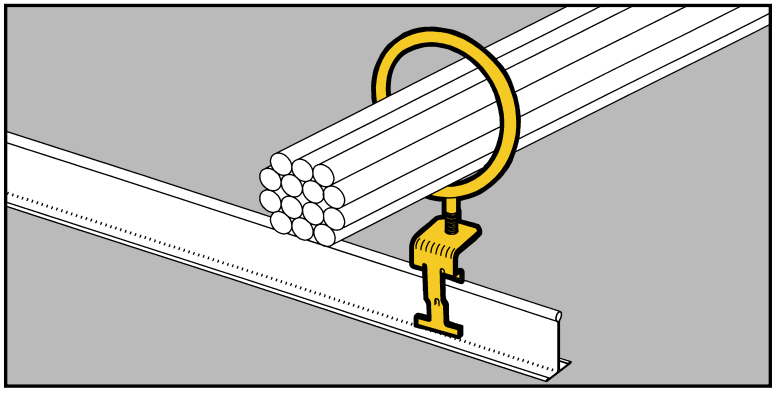
Read safety/installation instruction sheets in packages before use.

Bridle Rings/T-Bar Fastener Assy.

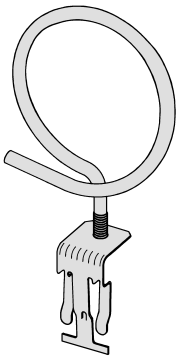
FEATURES

- Supports low voltage communication cables above the T-Bar.
- Pre-assembled with 2” bridle ring.
- Reduces installation time.
- For positioning only - No Load Rating

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BR-32-4T-A6	2” Ring Size	02934	50

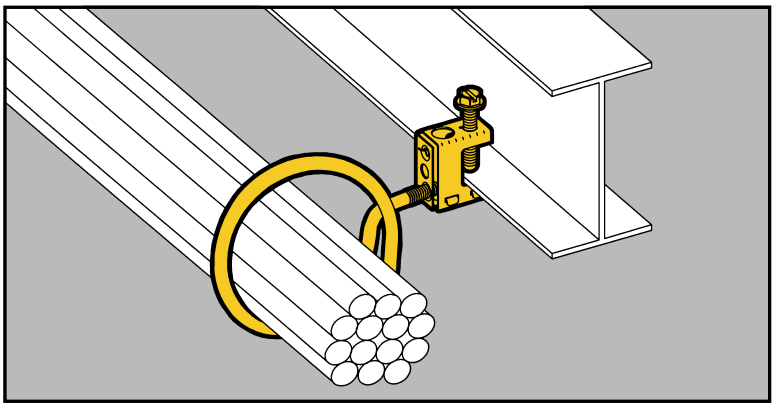


Bridle Ring/Beam Fastener Assy.

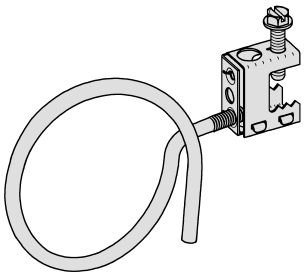
FEATURES

- Supports low voltage communication cables from beam flanges thru 1/2” thick.
- Pre-assembled with 2” bridle ring.
- Reduces installation time.
- Static Load Capacity : 15 lbs.

APPLICATIONS



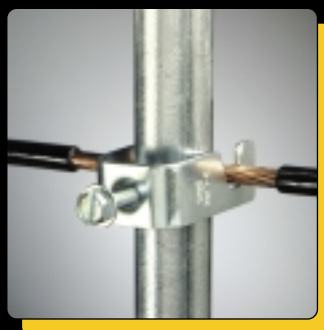
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BR-32-4T-C1	2” Ring Size	02937	50

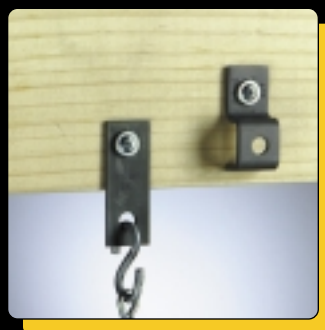


Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

Accessories



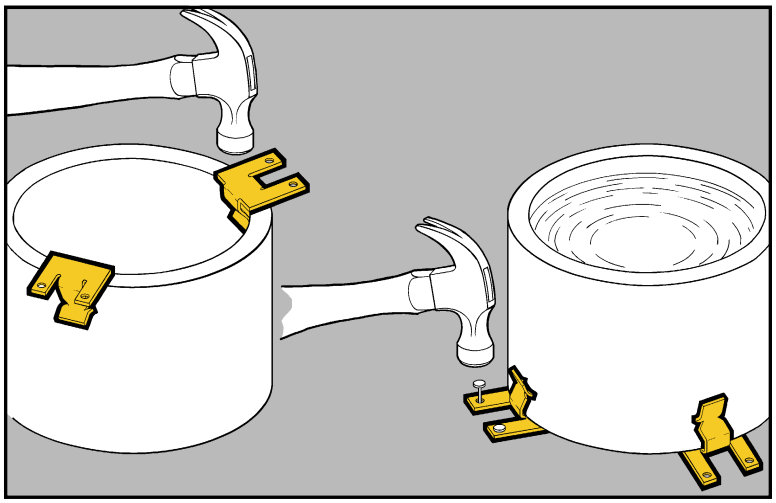


Pipe Sleeve Fasteners

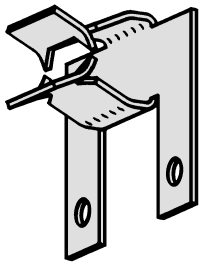
FEATURES

- Allows for rigid attachment of pipe sleeves to wall and floor forms for concrete pouring.
- Accommodates Schedule 40, Schedule 80, or 5/16" and smaller wall thickness.
- Simply installed with a hammer.

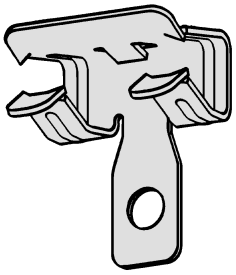
APPLICATIONS



PART NUMBER	SLEEVE DIAMETER	WALL THICKNESS	UPC NO. 781011	BOX QTY.
BD40	All Dia.	5/16" & Under	18285	100
BD40	2" to 6"	Schedule 40 Pipe	18285	100



PART NUMBER	SLEEVE DIAMETER	WALL THICKNESS	UPC NO. 781011	BOX QTY.
BE-5-8	6"	Schedule 80 Pipe	18300	100
BE-5-8	8" to 10"	Schedule 40 Pipe	18300	100
BE-9-12	9" to 14"	Schedule 80 Pipe	18305	100



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Accessories

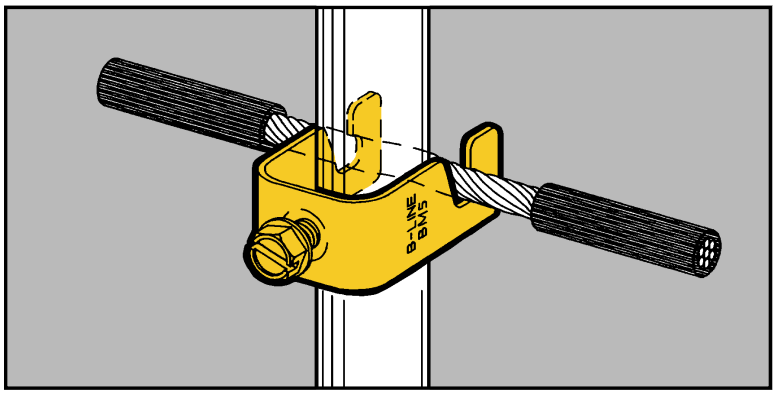
Read safety/installation instruction sheets in packages before use.
These products are designed for positioning only. No load rating.

B-Line Fasteners

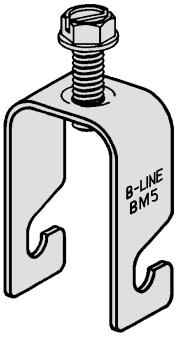
Reference Wire Fasteners

APPLICATIONS

FEATURES



- Attaches signal reference grid wire to computer floor posts.
- Fits #8 thru #4 stranded wire. (.146" O.D. thru .232" O.D.)
- Fits 3/4" to 1" round or square posts.



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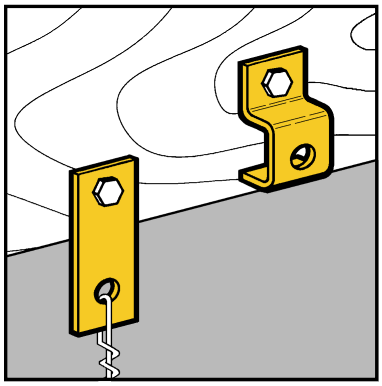
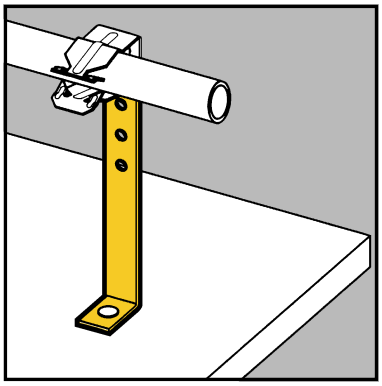
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BM5	Signal Reference Grid Wire Fastener	01659	100

Brackets

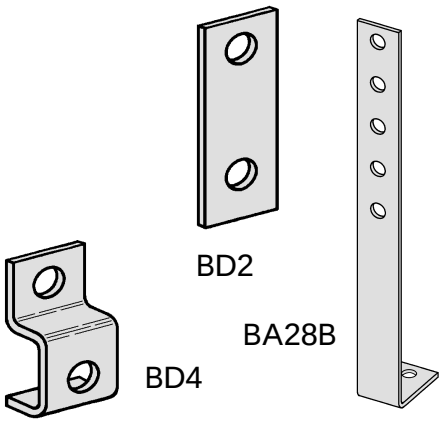
APPLICATIONS

FEATURES





- Brackets are easily attached with screws or drive pins to wood, concrete or steel structures.
- Brackets are adaptable for use with a wide variety of fasteners, wires, "S" hooks and hangers.



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BD2	Flat Bracket	01686	100
BD4	Offset Bracket	18280	100
BA28B	Angle Bracket	01449	50

B-Line Fasteners

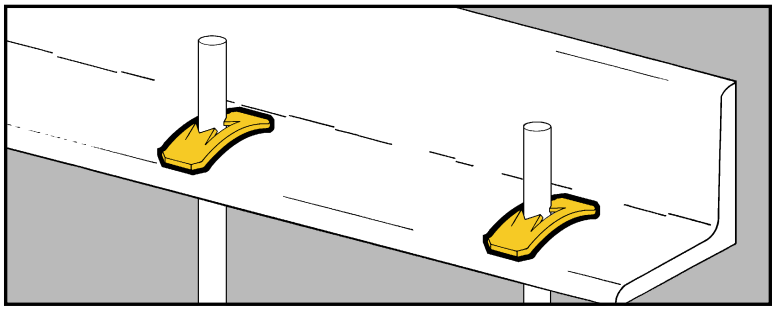
Read safety/installation instruction sheets in packages before use. These products are designed for positioning only. No load rating.

Accessory Nuts

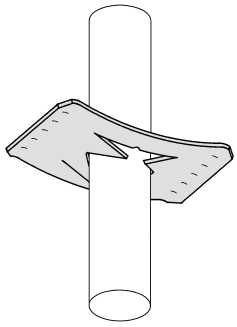
FEATURES

- Push Nuts designed for use with plain rod.
- "U" Nuts provide 1/4"-20 thread impression for unthreaded hole.
- No installation tools required.

APPLICATIONS

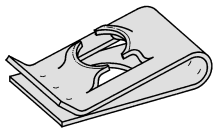


PART NUMBER	ROD/WIRE SIZE	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
BN-2	#8 Wire	100 lbs. thru 3/8" Hole	19115	100
BN-4	1/4" Plain Rod	100 lbs. thru 3/8" Hole	19120	100
BN-6	3/8" Plain Rod	200 lbs. thru 1/2" Hole	19125	100



Push Nuts

BN1	1/4" Threaded Rod	50 lbs. on 9/32" Hole	19110	100



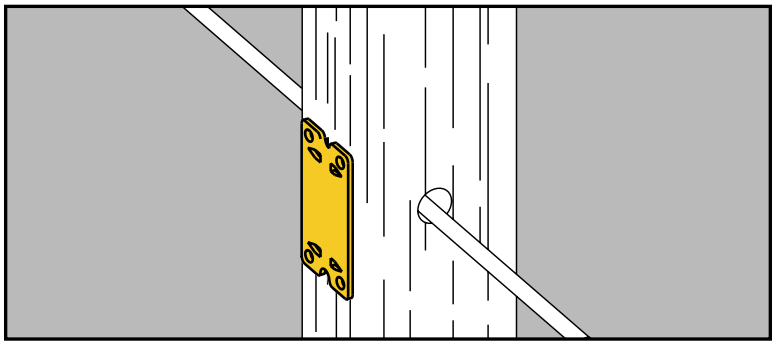
"U" Nuts With Thread Impression

Nail Plates

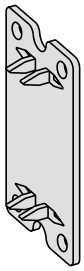
FEATURES

- Protects cable and plastic pipe from screw or nail penetration.
- Easily installed with a hammer.
- Complies with NEC Article 300-4.

APPLICATIONS



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BM3	Nail Plate	04927	100

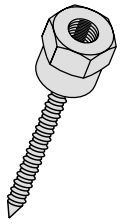


Accessories

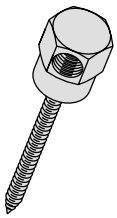
Read safety/installation instruction sheets in packages before use.

B-Line Fasteners

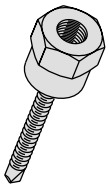
Rapid Rod™ Hangers



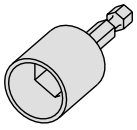
(ARC)
Concrete
RH Style



(ARW)
Wood
SW Style



(ARS)
Steel
RH Style

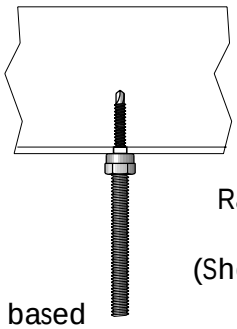


ARR-T
ASW-T

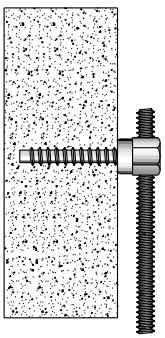
FEATURES

- Rapid Rod™ Hangers are used for hanging 1/4"-20 & 3/8"-16 threaded rod.
- For use in concrete, wood or steel.
- No pilot hole required for wood or steel.
- Installation tool available.
- Additional sizes and styles can be found in B-Line's Anchor Systems catalog.
- Sidewinder™ (SW) hangers available for side mounting applications.

PART NUMBER	ROD SIZE	SCREW SIZE	PILOT HOLE	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
ARC-1-RH25	1/4"-20	5/16" x 1 1/2"	1/4"	700 Lbs.	03333	100
ARC-1-RH37	3/8"-16	5/16" x 1 1/2"	1/4"	700 Lbs.	03332	100
ARC-1-SW37	3/8"-16	5/16" x 1 1/2"	1/4"	500 Lbs.	04585	100
ARW-5-RH25	1/4"-20	1/4" x 2"	--	575 Lbs.	03338	100
ARW-5-RH37	3/8"-16	1/4" x 2"	--	575 Lbs.	03335	100
ARW-1-SW37	3/8"-16	1/4" x 2"	--	575 Lbs.	04297	100
ARS-10-RH25	1/4"-20	1/4" x 2"	--	375 Lbs.*	03328	100
ARS-10-RH37	3/8"-16	1/4" x 2"	--	375 Lbs.*	03322	100
ARS-1-SW37	3/8"-16	1/4" x 2"	--	475 Lbs.	04294	100
ARR-T	Standard Rapid Rod™ Tool for RH				03570	1
ASW-T	Sidewinder™ Tool for SW				04302	1



Rapid Rod™
Hanger
(Shown in steel)



Rapid Rod™
Sidewinder™
Hanger
(Shown in concrete)

* Load rating based on 14 Ga. steel.

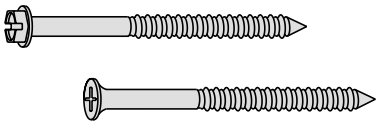
Accessories

Read safety/installation instruction sheets in packages before use.

Concrete Screws

FEATURES

- Concrete Screws (ACS) can be used in concrete, block or brick. One drill bit provided with every 100 screws.
- Additional sizes can be found in B-Line's Anchor Systems catalog.
- Load capacity based on minimum embedment depth of 1".



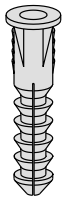
PART NUMBER	SCREW SIZE	PULL-OUT LOAD CAP.	SHEAR LOAD CAP.	UPC NO. 781011	BOX QTY.
ACS-18-175H	3/16" x 1 3/4"	100 Lbs.	210 Lbs.	03343	100
ACS-18-225H	3/16" x 2 1/4"	100 Lbs.	210 Lbs.	03344	100
ACS-25-175H	1/4" x 1 3/4"	200 Lbs.	390 Lbs.	03352	100
ACS-25-225H	1/4" x 2 1/4"	200 Lbs.	390 Lbs.	03353	100

ACS-18-175F	3/16" x 1 3/4"	100 Lbs.	210 Lbs.	03360	100
ACS-18-225F	3/16" x 2 1/4"	100 Lbs.	210 Lbs.	03361	100
ACS-25-175F	1/4" x 1 3/4"	200 Lbs.	390 Lbs.	03367	100
ACS-25-225F	1/4" x 2 1/4"	200 Lbs.	390 Lbs.	03368	100

Plastic Screw Anchors

FEATURES

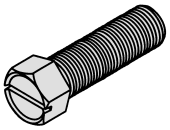
- Plastic screw anchors (APS) can be used in concrete, brick or drywall.
- Lateral ribs increase pull-out strength.
- Kits and master cartons are available in B-Line's Anchor Systems catalog.



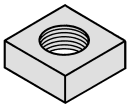
PART NUMBER	SCREW SIZE	ANCHOR LENGTH	STATIC LOAD CAP.	UPC NO. 781011	BOX QTY.
APS-4-87	#4, #6, #8	7/8"	50 Lbs.	02982	100
APS-8-125	#8, #10, #12	1 1/4"	100 Lbs.	02984	100
APS-12-150	#12, #14, #16	1 1/2"	150 Lbs.	02985	100

Read safety/installation instruction sheets in packages before use.

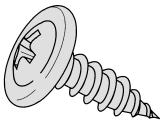
Hardware



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
SHHMS 1/4 x 1/2	1/4"-20 x 1/2" Slotted Hex Head Machine Screw	01687	100

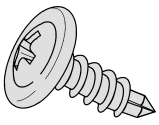


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
MSQN1/4	1/4"-20 Machine Square Nut	42103	100



PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BWHS-9	Sheet Metal Screw #8 x 9/16"	01675	1000

Note: BWHS-9 can be used with all fasteners requiring attachment with sheet metal screws.

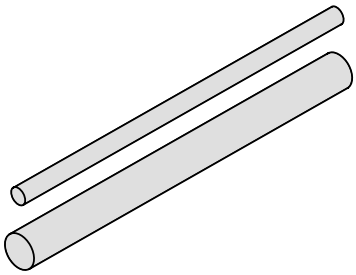


PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
BWHS-9D	#8 x 1/2" Self-Drilling Sheet Metal Screw	04925	1000

Note: BWHS-9D can be used with all fasteners requiring attachment with sheet metal screws except BB2-16, BB2-16D, BB2-24 & BB2-24D.

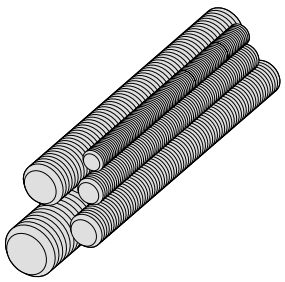
PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
DS16x2	Drive Screw	42022	100

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
PR 1/4 x 36	1/4" x 36" Zinc-Plated Rod	04986	150 ft
PR 1/4 x 72	1/4" x 72" Zinc-Plated Rod	04985	300 ft
PR 3/8 x 36	3/8" x 36" Zinc-Plated Rod	04984	60 ft
PR 3/8 x 72	3/8" x 72" Zinc-Plated Rod	04983	120 ft



Pencil Rod

PART NUMBER	DESCRIPTION	UPC NO. 781011	BOX QTY.
ATR 1/4 x 36	1/4"-20 x 36" Threaded Rod	04982	150 ft
ATR 1/4 x 72	1/4"-20 x 72" Threaded Rod	69013	300 ft
ATR 3/8 x 36	3/8"-16 x 36" Threaded Rod	04657	60 ft
ATR 3/8 x 72	3/8"-16 x 72" Threaded Rod	69033	120 ft



Read safety/installation instruction sheets in packages before use.

Code Compliance for Spring Steel Fasteners Based on the 1999 NEC®

B-Line has recognized the need for a reference source, detailing the National Electrical Code requirements for Spring Steel Fasteners. The following pages are reprinted portions of the 1999 NEC®. These sections address nearly every aspect of fastener installations and offer design solutions for the electrical industry. If a topic has not been covered sufficiently to answer a specific question or if additional information is desired, contact B-Line's engineering department.

The following information has been carefully checked for accuracy and is believed to be correct and current. No warranty, either expressed or implied, is made as to either its applicability to, or its compatibility with, specific requirements, of this information, nor for damages consequent to its use. All design characteristics, specifications, tolerances and similar information are subject to change without notice.

To obtain a copy of the NEC® contact:
National Fire Protection Association
1 Batterymarch Park
P.O. Box 9101
Quincy, Massachusetts 02269-9101
1-800-344-3555

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90-3. Code Arrangement. .... Chapter 8 covers communications systems and is independent of the other chapters except where they are specifically referenced therein.

90-4. Enforcement. This *Code* is intended to be suitable for mandatory application by governmental bodies that exercise legal jurisdiction over electrical installations and for use by insurance inspectors. The authority having jurisdiction for enforcement of the *Code* will have the responsibility for making interpretations of the rules, for deciding upon the approval of equipment and materials, and for granting the special permission contemplated in a number of the rules.

The authority having jurisdiction may waive specific requirements in this *Code* or permit alternate methods where it is assured that equivalent objectives can be achieved by establishing and maintaining effective safety.

This *Code* may require new products, constructions, or materials that may not yet be available at the time the *Code* is adopted. In such event, the authority having jurisdiction may permit the use of the products, constructions, or materials that comply with the most recent previous edition of this *Code* adopted by the jurisdiction.

Note: Local codes may override certain requirements of the National Electrical Code®. Consult your local inspector for further details.

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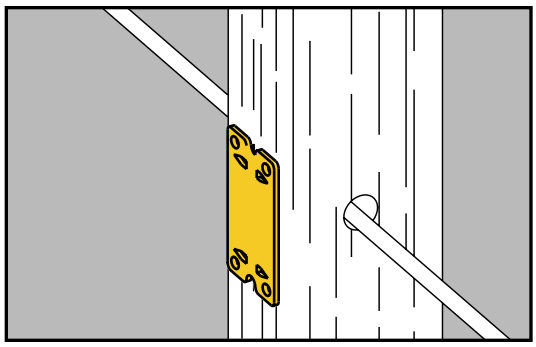

Figure 1 - BM3

- Article 300-4 (a), (d), and (e) compliant
- This nail plate can be used to protect cable and plastic pipe from screw or nail penetration.
- Nail plate is not required where the hole edge is at least $1\frac{1}{4}$" from face of stud.
- See page 127

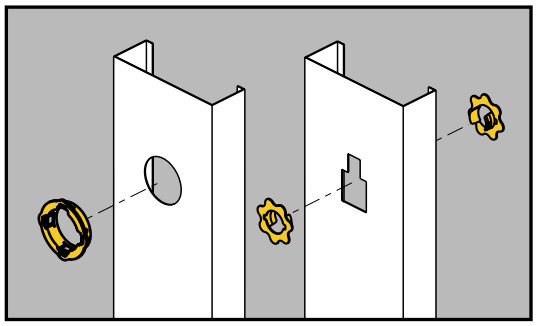

Figure 2 - BM1/BM2

- Article 300-4 (b) (1) compliant
- BM1 snaps into standard $1\frac{11}{32}$" diameter holes in metal studs from 25 ga. to 16 ga.
- BM2 fits any factory punched metal stud hole. Tabs snap together to provide 360° protection for cable.
- See page 27

300-4. Protection Against Physical Damage. Where subject to physical damage, conductors shall be adequately protected.

(a) Cables and Raceways through Wood Members.

(1) Bored Holes. ..... holes shall be bored so that the edge of the hole is not less than $1\frac{1}{4}$ in. (31.8 mm) from the nearest edge of the wood member. Where this distance cannot be maintained, the cable or raceway shall be protected from penetration by screws or nails by a steel plate or bushing, at least $\frac{1}{16}$ in. (1.59 mm) thick, and of appropriate length and width installed to cover the area of the wiring. *(See Figure 1)*

(2) Notches in Wood. ..... cables or raceways shall be permitted to be laid in notches in wood studs, joists, rafters, or other wood members where the cable or raceway at those points is protected against nails or screws by a steel plate at least $\frac{1}{16}$ in. (1.59 mm) thick installed before the building finish is applied. *(See Figure 1)*

B-Line Fasteners

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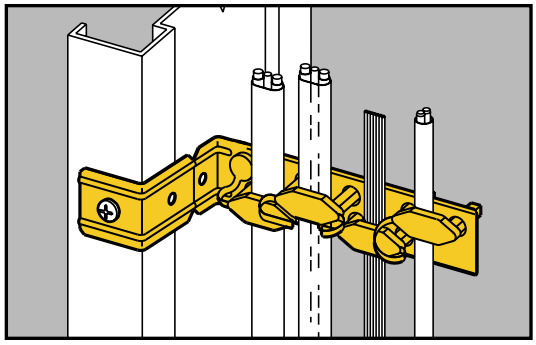

Figure 3 - BRC4 / BRC4M

- Article 300-4 (d) compliant
- Individual plastic staples grip cables up to 0.500" O.D. and automatically position the cables 1 1/4" from the face of the stud.
- BRC4M (not shown) utilizes a single metal staple to grip cables up to 1" O.D.
- See page 25

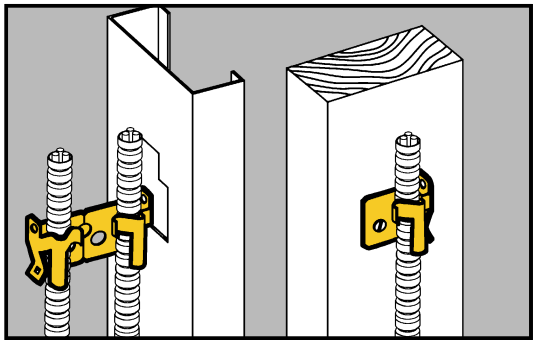

Figure 4 - BX4

- B-Line's BX4 series conduit / cable fasteners can be attached to any metal or wood stud and must be positioned 1 1/4" from the face of the stud to comply with Article 300-4 (d).
- Supports AC, MC or BX cable up to 3/8" O.D.
- See page 23

(b) Nonmetallic-Sheathed Cables and Electrical Nonmetallic Tubing through Metal Framing Members.

(1) Nonmetallic-Sheathed Cable. .... where nonmetallic sheathed cables pass through either factory or field punched, cut or drilled slots or holes in metal members, the cable shall be protected by bushings or grommets covering all metal edges and securely fastened in the opening prior to installation of the cable. *(See Figure 2)*

(d) Cables and Raceways Parallel to Framing Members. .... the cable or raceway shall be installed an supported so that the nearest outside surface of the cable or raceway is not less than 1 1/4 in. (31.8 mm) from the nearest edge of the framing member where nails or screws are likely to penetrate. *(See Figures 3 and 4)*
Where this distance cannot be maintained, the cable or raceway shall be protected from penetration by nails or screws by a steel plate, sleeve, or equivalent at least 1/16 in. (1.59 mm) thick. *(See Figure 1)*

(e) Cables and Raceways Installed in Shallow Grooves.
.... shall be protected by 1/16 in. (1.59 mm) thick steel plate, sleeve, or equivalent or by not less than 1 1/4 in. (31.8 mm) free space for the full length of the groove in which the cable or raceway is installed. *(See Figure 1)*

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300-11. Securing and Supporting.

(a) Secured in Place. Raceways, cable assemblies, boxes, cabinets, and fittings shall be securely fastened in place. Support wires that do not provide secure support shall not be permitted as the sole support. Support wires and associated fittings that provide secure support and that are installed in addition to the ceiling grid support wires, shall be permitted as the sole support. Where independent support wires are used, they shall be secured at both ends. Cables and raceways shall not be supported by ceiling grids.

(1) Wiring located within the cavity of a fire-rated floor-ceiling or roof-ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided. Where independent support wires are used, they shall be distinguishable by color, tagging, or other effective means from those that are part of the fire-rated design.

Exception: The ceiling support system shall be permitted to support wiring and equipment that have been tested as part of the fire-rated assembly.

(2) Wiring located within the cavity of a nonfire-rated floor-ceiling or roof-ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided.

Exception: The ceiling support system shall be permitted to support branch-circuit wiring and associated equipment where installed in accordance with the ceiling system manufacturer's instructions.

(b) Raceways Used as Means of Support. Raceways shall only be used as a means of support for other raceways, cables, or nonelectric equipment under the following conditions:

(1) Where the raceway or means of support is identified for the purpose; or
(2) Where the raceway contains power supply conductors for electrically controlled equipment and is used to support Class 2 circuit conductors or cables that are solely for the purpose of connection to the equipment control circuits; or
(3) Where the raceway is used to support boxes or conduit-bodies in accordance with Section 370-23 or to support fixtures in accordance with Section 410-16(f)

B-Line Fasteners

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Note: The changes made to Article 300-11 during each of the last five code cycles resulted in confusion throughout the industry. A previously acceptable practice, namely supporting cables and raceways by the ceiling grid, is no longer allowed. Meeting these new code requirements, however, is not as difficult as one might think. The project may require a little extra planning but not much extra work. A few additional drop wires, rods or trapeze supports will take care of the new requirements. The intent of Article 300-11 is simple: an independent means of secure support must be provided for cable assemblies, raceways, boxes, etc..

Typical Drop Wire / Rod Applications

Additional drop wires, which are installed specifically for cable support, must be secured at both ends, according to Article 300-11. In addition, when independent wires are used in fire-rated assemblies, they must be distinguishable by color, tagging or other effective means from those wires that are part of the fire-rated assembly. B-Line's BA-311 series can be used to secure support wire thru 3/8" rod to the ceiling grid. Its orange color allows it to be easily recognized by inspectors. *(See Figures 5-7)*

B-Line's 1/4" and 3/8" pencil rod and ATR may provide a shortcut for meeting the requirements of Article 300-11. Additional rods, which are installed specifically for flexible cable support, may be considered a secure support and do not require attachment to the ceiling grid. This eliminates a step in the installation process when dropping the additional wires/rods. Check with your local inspector for clarification. *(See Figure 8)*

Applications Attached Directly to Structure

By using one of B-Line's fasteners which attach the cable assembly, raceway, boxes, etc. directly to the building structure, the requirements of Article 300-11 are satisfied. *(See Figures 9-11)*

Upper Attachments

A variety of B-Line fasteners can be used to attach wire and plain or threaded rod to beams, purlins, joists, etc. to create an independent means of support. *(See Figure 12)*

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Typical Drop Wire / Rod Applications

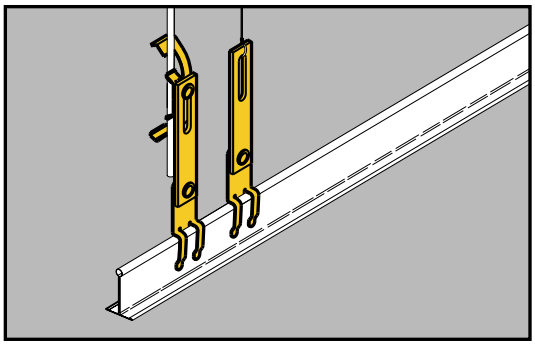

Figure 5 - BA311

- Secures independent support wires to ceiling grid as required by NEC Article 300-11.
- Bright yellow color is easily identified by inspectors.
- Alternate designs can be used to secure 1/4" - 3/8" rods.
- Slotted design permits adjustment when securing rods.
- See page 63

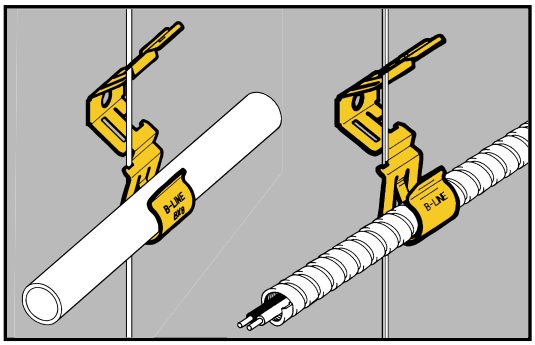

Figure 6 - BX-8 / BX-18

- B-Line's BX8 and BX18 can be used to support cabling from independent drop wires or rods and must be properly secured to comply with Article 300-11.
- These fasteners will support MC, AC, BX or EMT from #12 hanger wire through 1/4" plain rod without deforming the support wire or rod.
- See page 40

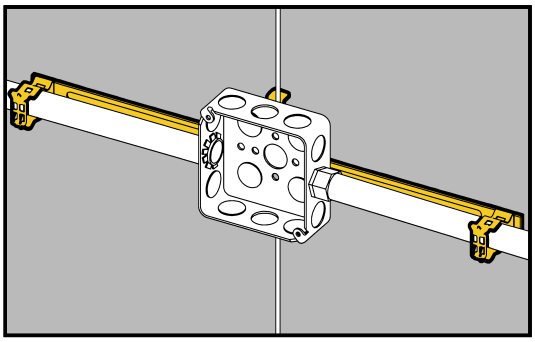

Figure 7 - BG-8-12-S18-W2

- This series of fasteners can be used to secure an electrical box and the associated conduit runs to a single, dedicated drop wire or rod which has been properly secured to meet Article 300-11 requirements.
- B-Line's patented Guide-Rite fasteners support the conduit on either side of the junction box, within the spacing required by Article 348-12.
- See page 45

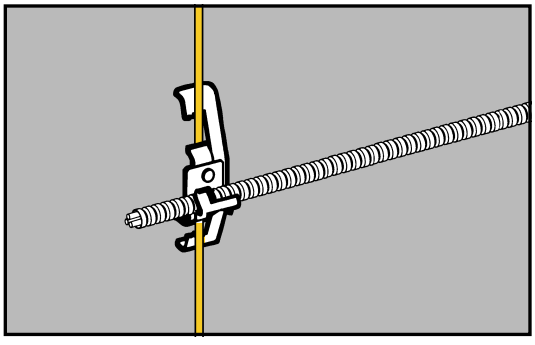

Figure 8 - PR / ATR

- B-Line's pencil rod and ATR is available in 1/4" and 3/8" sizes and provides secure support for flexible cable systems.
- Can be secured to ceiling grid with BA311-W2 or BA311-W6 if desired.
- See page 131

B-Line Fasteners

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Applications Attached Directly to Structure

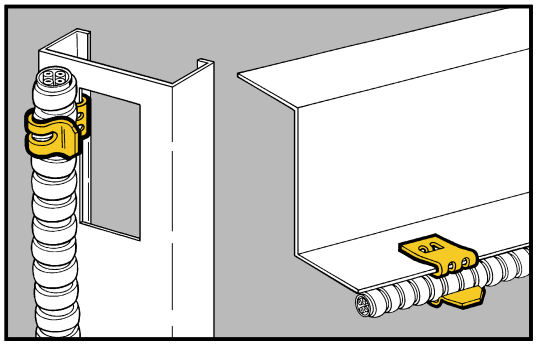

Figure 9 - BX9

- This fastening method eliminates the need for additional drop wires / rods when complying with Article 300-11.
- B-Line's BX9 fastens flexible conduit and other small cables to beam flanges, bar joists or metal studs.
- See page 42

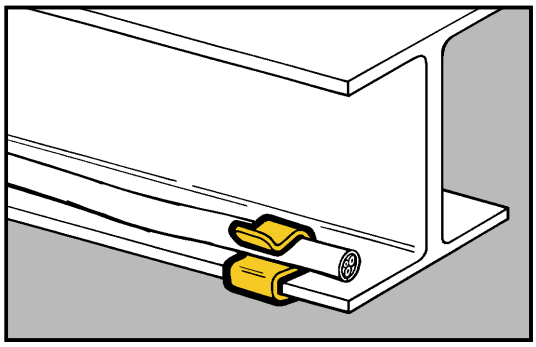

Figure 10 - BXS / BXM / BXL Series

- This fastening method eliminates the need for additional drop wires / rods when complying with Article 300-11.
- B-Line's BXS, BXM and BXL series fasteners will secure cables to flange thicknesses of 1/16" to 1/2".
- The BFA adaptors can be used on 1/2" to 3/4" flange thicknesses.
- See page 43

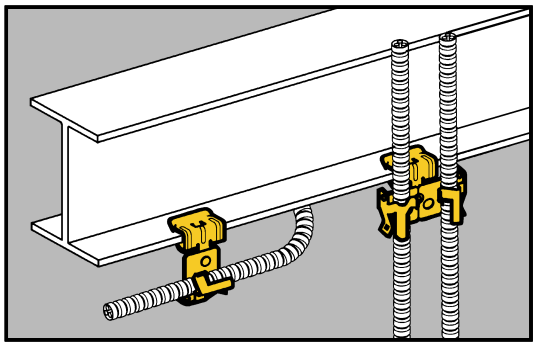

Figure 11 - BE and BU SERIES

- Consider using B-Line's BE and BU Series beam fasteners as an alternative to drop wires and rods when complying with Article 300-11.
- These fasteners are easily installed with a hammer onto flanges ranging from 3/32" up to 3/4".
- Numerous riveted combinations are available, therefore, simple supports can be found for most cable assemblies.
- See pages 65-74

Upper Attachments:

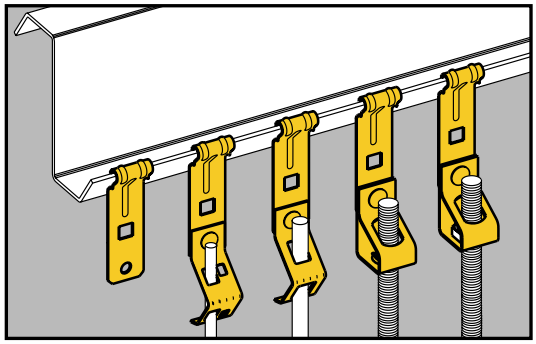

Figure 12 - BH SERIES, BF SERIES

- B-Line offers a wide range of fasteners, which can be used to support drop wire, plain rod, chain, or threaded rod to support cable assemblies, raceways and boxes when complying with Article 300-11.
- These fasteners can be secured to ceilings, walls, concrete beams, joists, wood beams, etc. If a suitable bracket cannot be found for your application, consult B-Line's Strut Systems catalog for more options.
- See pages 84-97

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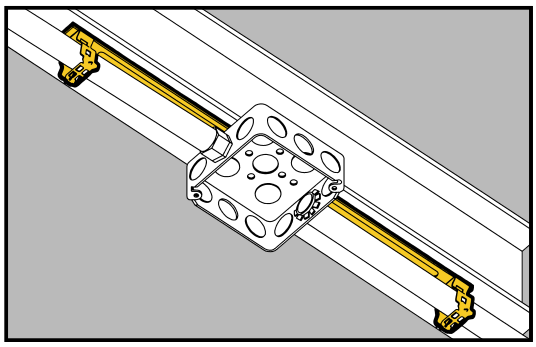

Figure 13 - BG-8-12-S18-U SERIES

- Article 331-11 compliant
- These fasteners are easily installed with a hammer onto flanges ranging from 1/8" up to 1/2".
- Single fastener provides a secure means of support for electrical box and supports conduit on either side of the box within 3 ft.
- See page 81

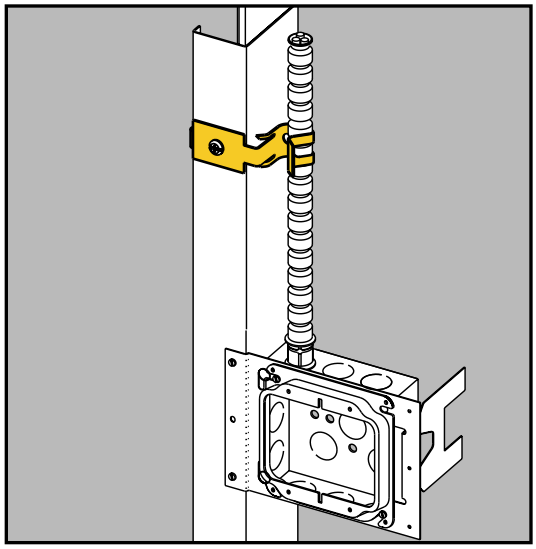

Figure 14 - BX5

- Secure cable every 4 1/2 ft. and within 12" of outlet box to comply with Article 333-7.
- Supports MC, AC, BX or Romex® cable to metal or wood studs.
- Positions cables a minimum of 1 1/4" from face of stud as required by Article 300-4 (d).
- See page 26

NEC Requirements

331-11. Supports. Electrical nonmetallic tubing shall be installed as a complete system as provided in Article 300 and shall be secured at intervals not exceeding 3 ft. (914 mm) or, for horizontal runs, it shall be permitted to be supported by openings in framing members at intervals not exceeding 3 ft. (914 mm). In addition, it shall be securely fastened in place within 3 ft. (914 mm) of each outlet box, device box, junction box, cabinet or fitting where it terminates. *(See Figure 13)*

333-7. Support. Type AC cable shall be secured by staples, cable ties, straps, hangers, or similar fittings designed and installed so as not to damage the cable at intervals not exceeding 4 1/2 ft. (1.37 m) and within 12 in. (305 mm) of every outlet box, junction box, cabinet or fitting. *(See Figure 14)*

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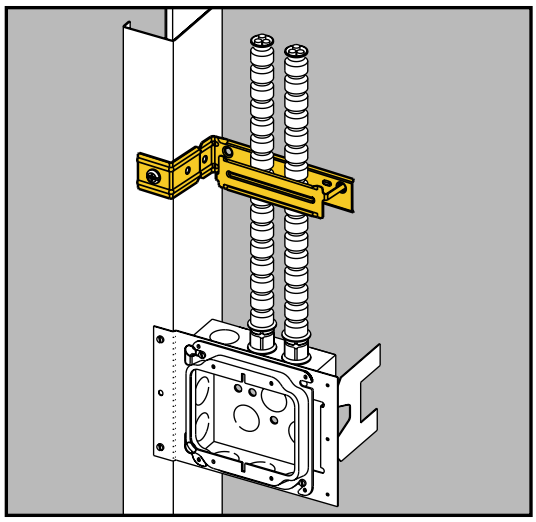

Figure 15 - BRC4M / BRC4

- Secure MC cable every 6 ft. and within 12” of every box, cabinet or fitting to comply with Article 334-10.
- Article 300-4 (d) compliant.
- Use BRC4 for cables up to 0.5” O.D. and BRC4M for cables up to 1” O.D.
- See pages 25

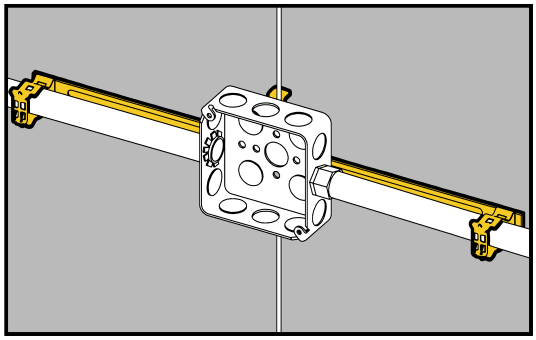

Figure 16 - BG-8-12-S18-W2

- B-Line’s patented Guide-Rite® Fasteners support the conduit on either side of the junction box, within the spacing to comply with NEC Article 348-13.
- This series of fasteners can be used to secure an electrical box and the associated conduit runs to a single, dedicated drop wire or rod.
- See page 45

334-10. Installation. Type MC cable shall be installed in compliance with Articles 300, 490, 725, and Section 770-52 as applicable and in accordance with the following.

(a) Supported Cables. Type MC cable shall be supported and secured at intervals not exceeding 6 ft. (1.83 m). Cables containing four or fewer conductors, sized no larger than No. 10 shall be secured within 12 in. (305 mm) of every box, cabinet, fitting, or other cable termination. *(See Figure 15)*

(1) Horizontal Runs. Cables installed in other than vertical runs through bored or punched holes in wood or metal framing members, or through notches in wooden framing members and protected by a steel plate at least 1/16 in. (1.59 mm) thick shall be considered supported and secured where such support does not exceed 6 ft. (1.83-m) intervals. *(See Figure 1)*

348-13. Supports. Electrical metallic tubing shall be installed as a complete system as provided in Article 300. Each tubing length shall be securely fastened in place at least every 10 ft. (3.05 m). In addition, each tube shall be securely fastened within 3 ft. (914 mm) of each outlet box, junction box, device box, cabinet, conduit body, or other tubing terminations. *(See Figure 16)*

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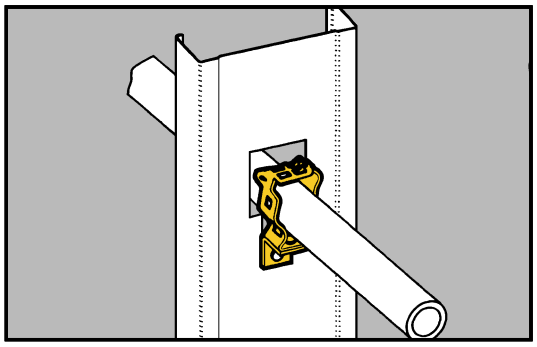

Figure 17 - BG-8-12-H7

- Complies with Article 348-13.
- Supports horizontal runs of conduit through metal studs.
- Attaches easily with a sheet metal screw.
- See page 24

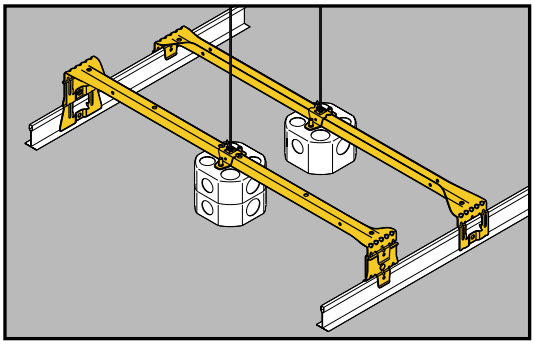

Figure 18 - BA50

- Complies with Article 370-23 (c)
- B-Line's BA50 series fasteners can be used to secure electrical boxes to suspended ceilings.
- See page 54
- See BA12 series fasteners for additional support (page 52).

348-13. (continued) Horizontal runs of electrical metallic tubing supported by openings through framing members at intervals not greater than 10 ft. (3.05 m) and securely fastened within 3 ft. (914 mm) of termination points shall be permitted. *(See Figure 17)*

370-23. Supports. Enclosures within this article shall be supported in accordance with one or more of the provisions in (a) through (h).

(d) Suspended Ceilings. An enclosure mounted to structural or supporting elements of a suspended ceiling shall be not more than 100 in.^{3} (1640 cm^3) in size and shall be securely fastened in place in one of the following ways.

(1) Framing Members. An enclosure shall be fastened to the framing members by mechanical means such as bolts, screws, or rivets, or by the use of clips or other securing means identified for use with the type of ceiling framing members(s) and enclosures(s) employed. The framing members shall be adequately supported and securely fastened to each other and to the building structure.

(2) Support Wires. The installation shall comply with the provisions of Section 300-11(a). The enclosure shall be secured, using methods identified for the purpose to ceiling support wires, including any additional support wires installed for that purpose. Support wires used for enclosure support shall be fastened at each end so as to be taut within the ceiling cavity. *(See Figure 18)*

B-Line Fasteners

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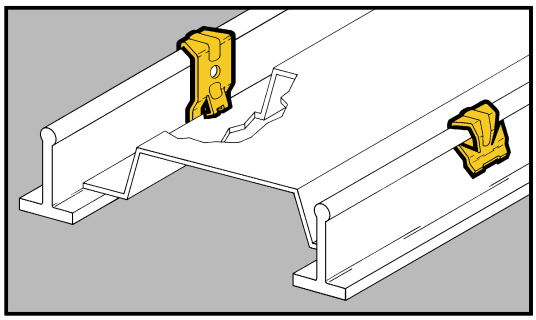

Figure 19 - BA15

- Complies with Article 410-16 (c)
- B-Line's BA15 provides a secure method for fastening troffers and lay-in fixtures.
- See page 47

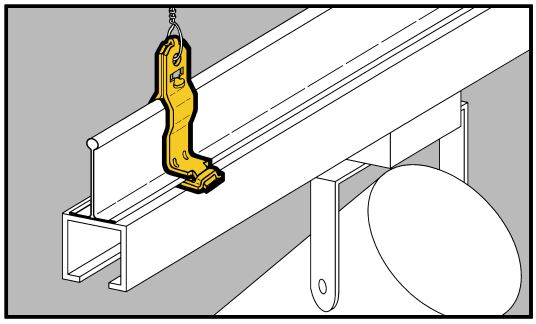

Figure 20 - BA1

- Complies with Article 410-16 (c)
- B-Line's BA1 fasteners allow for independent suspension of lighting fixtures.
- See page 58

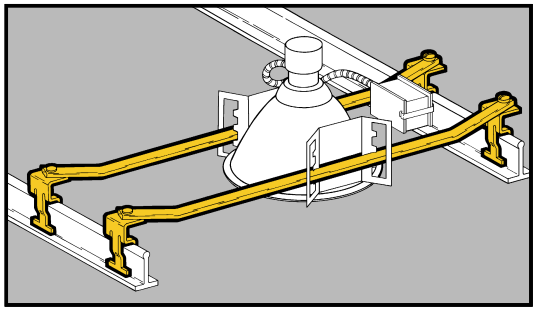

Figure 21 - BA20

- Complies with Article 410-16 (a) and (c)
- With B-Line's light fixture T-Bar fastener, the fixture position is adjustable, however, the lights are securely fastened to the structure.
- See page 57
- See BA40 for additional support methods.

(e) Raceway Supported Enclosure, Without Devices or Fixtures. .... Each conduit shall be secured within 3 ft. (914 mm) of the enclosure, or within 18 in. (457 mm) of the enclosure if all entries are on the same side.

(f) Raceway Supported Enclosures with Devices or Fixtures. .... Each conduit shall be secured within 18 in. (457 mm) of the enclosure. *(See Figure 13)*

410-16 Means of Support.

(a) Outlet Boxes. Outlet boxes or fittings installed as required by Section 370-23 shall be permitted to support fixtures weighing 50 lbs. (22.7 kg) or less. A fixture that weighs more than 50 lbs. (22.7 kg) shall be supported independent of the outlet box unless the outlet box is listed for the weight to be supported.

(c) Suspended Ceilings. .... Fixtures shall be securely fastened to the ceiling framing member by mechanical means, such as bolts, screws, or rivets. Listed clips identified for use with the type of ceiling framing member(s) and fixture(s) shall also be permitted. *(See Figures 19-21)*

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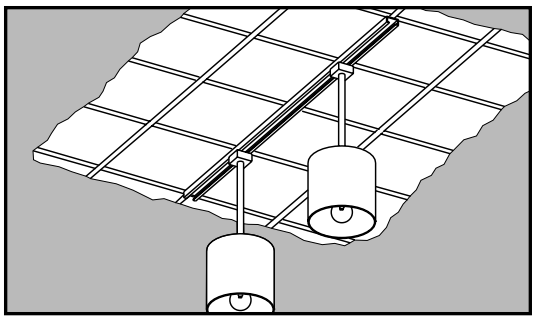

Figure 22 – BA-4-16 Series

- Each section of lighting track, 4 feet or shorter in length, must use a minimum of two support clips.
- Support tracks must be supported a minimum of 4 feet on center to comply with Article 410-104.
- See page 60

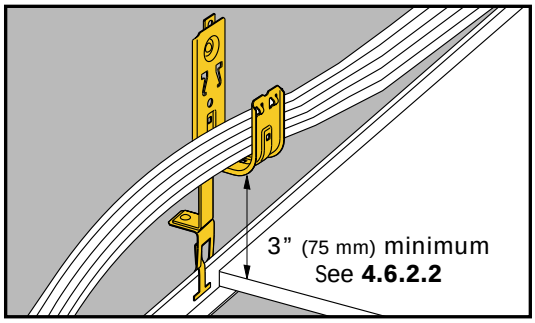

Figure 23 – BCH-A28 Series

- Complies with ANSI/TIA/EIA-569-A.
- Provides a minimum clearance of 3" above ceiling tiles.
- Permits drop-wire attachment when supporting cable loads of more than 0.45 lbs./ft.
- Cable hook assemblies utilize an open-top design and can support bundles of cables up to 30 lbs.
- Cable supports shall be placed every 4 to 5 feet minimum.
- See page 112

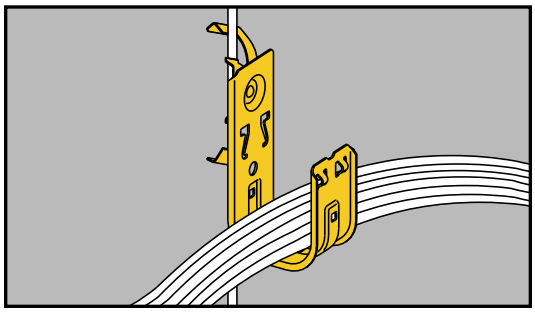

Figure 24 - BCH-W Series

- Complies with ANSI/TIA-EIA-569-A.
- Cable hook assemblies utilize an open-top design and can support bundles of cables up to 25 lbs.
- Cable supports shall be placed every 4 to 5 feet, minimum. Care should be taken not to deform the support wires or rods, especially at a change in direction of the cable.
- Supports cables from #12 wire to 3/8" rod.
- See page 112

410-104 Fastening. Lighting track shall be securely mounted so that each fastening will be suitable for supporting the maximum weight of fixtures that can be installed. Unless identified for supports at greater intervals, a single section 4 ft. (1.22 m) or shorter in length shall have two supports, and, where installed in a continuous row, each individual section of not more than 4 ft. (1.22 m) in length shall have one additional support. *(See Figure 22)*

800-52 Installation of Communications Wires, Cables, and Equipment.

(e) Support of Conductors. Raceways shall be used for their intended purpose. Communications cables or wires shall not be strapped, taped, or attached by any means to the exterior of any conduit or raceway as a means of support.

B-Line Fasteners

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The Telecommunications Industry Association/Electronic Industries Association also contains important support and spacing requirements for data and communications cabling.

ANSI/TIA/EIA-569-A

4. Horizontal pathways and related spaces

4.6 Ceiling pathway

4.6.2 Design guidelines

4.6.2.1 Planning. The design shall provide a suitable means for supporting cable from the telecommunications closet to the work areas to be served. Cable shall not be laid directly on the ceiling tile or rails.

4.6.2.2 Clearance. A minimum of 75 mm (3 in.) clear vertical space shall be available above the ceiling tiles for the horizontal cabling and pathway. *(See Figure 23)*

4.6.5 Cable support

4.6.5.1 Where zone conduit or cable tray is not available in a suspended ceiling space and where telecommunications cables are allowed to be placed in the ceiling, adequate open-top cable supports, located on 1220-1525 mm (48-60 inch) centers, shall be provided. Where larger quantities of cables (50-75 cables) bunched together in the ceiling at a congested area, such as close to the telecommunications closet, special supports shall be designed and installed to carry the additional weight. *(See Figures 23 and 24)*

4.6.5.2 A suspended ceiling support rod or wire may be used to mount appropriate cable fasteners loaded with multiple cables up to the total weight for which the fastener is approved. The T-bar rail of a suspended ceiling may be used to mount appropriate cable fasteners loaded with cable up to a total weight of 0.7 kg/m (0.45 lb/ft). The fastener design shall not interfere with the inserting or removing of the ceiling tile. *(See Figures 23 and 24)*

NOTES

1) A weight of 1.0 kg (2.2 lbs.) (or 0.7 kg/m with spacing of support wire/rod at 1.5 m (5 ft.)) is equivalent to a bundle of sixteen 4-pair 24 AWG UTP cables, including fasteners.

2) If any side pull is exerted on the support wire, like a turn in direction of the cables, the level of the ceiling tee rail could be affected.

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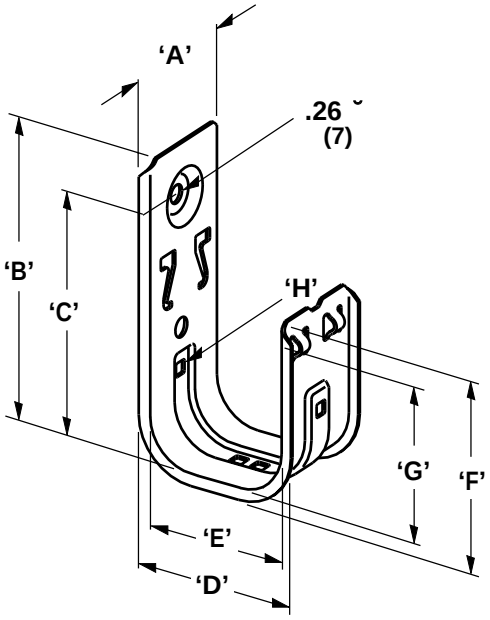
Cable Hook Technical Data

SINGLE-SIDED SINGLE-TIER CABLE FASTENERS

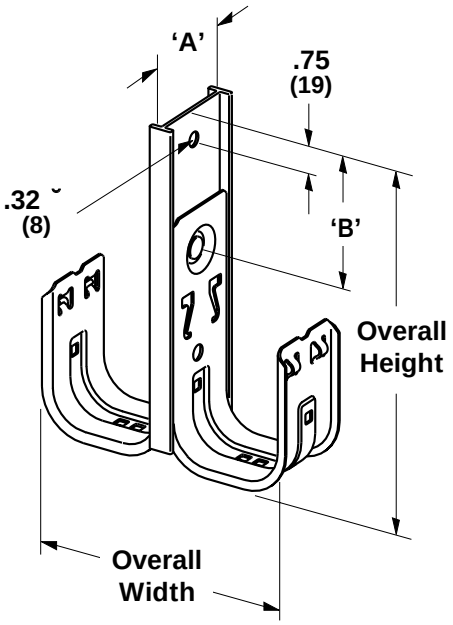
Hook Size		'A'		'B'		'C'		'D'		'E'		'F'		'G'		'H'	
In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In	mm
1 5/16"	33	1.62	41	3.62	92	2.81	71	1.69	43	1.31	33	2.00	51	1.37	35	.20	5
2"	51	1.62	41	4.31	110	3.50	89	2.38	61	2.00	51	2.69	68	2.06	52	.20	5
4"	102	2.00	51	6.81	173	5.56	141	4.55	116	4.00	102	4.84	123	4.06	103	.31	8



LOAD CAPACITY

Cable Hook Size		Static Load Capacity (S.F. 3)			
		Galvanized & Stainless Steel		Spring Steel	
In.	mm	Lbs.	kg.	Lbs.	kg.
1 5/16"	33	30	14	100	45
2"	51	30	14	100	45
4"	102	30	14	100	45

Stated loads are per hook and should not be exceeded. The load capacity of a fastener having more than one component is equal to the load capacity of the lowest rated component.



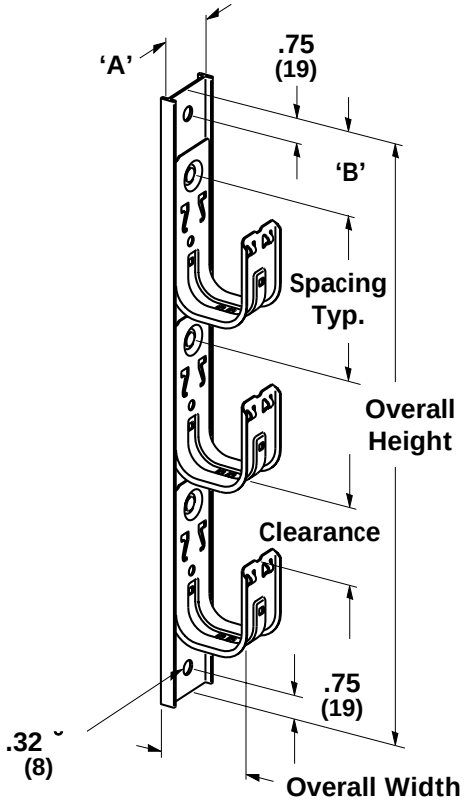
DOUBLE-SIDED SINGLE-TIER CABLE FASTENERS

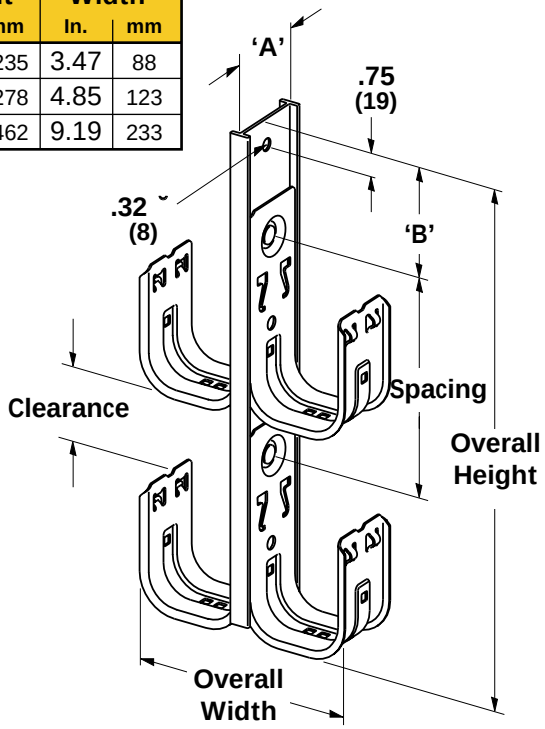
Hook Size		'A'		'B'		Overall Height		Overall Width	
In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
1 5/16"	33	1.90	48	2.50	64	5.50	140	3.47	88
2"	51	1.90	48	2.50	64	6.19	157	4.85	123
4"	102	2.38	61	2.94	75	9.00	229	9.19	233

Cable Hook Technical Data

DOUBLE-SIDED DOUBLE-TIER CABLE FASTENERS

Hook Size		'A'		'B'		Spacing		Clearance		Overall Height		Overall Width	
In	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
15/16"	33	1.90	48	2.50	64	3.75	95	1.94	49	9.25	235	3.47	88
2"	51	1.90	48	2.50	64	4.75	121	2.25	57	10.94	278	4.85	123
4"	102	2.38	61	2.94	75	9.38	238	4.50	114	18.20	462	9.19	233





SINGLE-SIDED MULTI-TIER CABLE FASTENERS (2 THRU 6 TIER)

Hook Size		No. Tiers	'A'		'B'		Spacing		Clearance		Overall Height		Overall Width	
In.	mm		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
15/16"	33	2	1.90	48	2.50	64	3.75	95	1.94	49	11.00	279	1.96	50
		3									14.75	375		
		4									18.50	470		
		5									22.25	565		
		6									26.00	660		
2"	51	2	1.90	48	2.50	64	4.75	121	2.25	57	12.75	324	2.66	68
		3									17.50	445		
		4									22.25	565		
		5									27.00	686		
		6									31.75	807		
4"	102	2	2.38	61	2.94	75	8.75	222	3.19	81	19.33	491	4.82	123
		3									28.08	713		

RIGID STEEL CONDUIT (Heavy Wall Conduit)

Nominal Conduit Size (Inches)	Outside Diameter (Inches)	Nominal Inside Diameter (Inches)	Minimum Weight Per 100 Ft. with Couplings Attached (Lbs.)	Weight of Conduit and Conductors Per 100 Ft. * (Lbs.)
3/8"	0.675	0.493	51.5	65.1
1/2"	0.840	0.632	79.0	101.1
3/4"	1.050	0.836	105.0	145.8
1"	1.315	1.063	153.0	219.3
1 1/4"	1.660	1.394	201.0	318.3
1 1/2"	1.900	1.624	249.0	408.8
2"	2.375	2.083	332.0	593.8
2 1/2"	2.875	2.489	527.0	901.0
3"	3.500	3.090	682.6	1259.0
3 1/2"	4.000	3.570	831.0	1604.0
4"	4.500	4.050	972.3	1967.0

INTERMEDIATE METAL CONDUIT (IMC)

Nominal Conduit Size (Inches)	Outside Diameter (Inches)	Nominal Inside Diameter (Inches)	Minimum Weight Per 100 Ft. with Couplings Attached (Lbs.)	Weight of Conduit and Conductors Per 100 Ft. * (Lbs.)
1/2"	0.815	0.745	60.0	82.1
3/4"	1.029	0.954	82.0	122.8
1"	1.290	1.205	116.0	182.3
1 1/4"	1.638	1.553	150.0	267.3
1 1/2"	1.883	1.793	182.0	341.8
2"	2.360	2.266	242.0	503.8
2 1/2"	2.857	2.727	401.0	775.0
3"	3.476	3.346	493.0	1069.0
3 1/2"	3.971	3.841	573.0	1346.0
4"	4.466	4.336	638.0	1632.0

Dimensions taken from ANSI C80.3 - 1977.

* Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.

Note: All dimensions and weights are subject to variation between manufacturers.
Consult cable manufacturer for more detailed information.

ELECTRICAL METALLIC TUBING (EMT) - THINWALL CONDUIT

Nominal Conduit Size (Inches)	Outside Diameter (Inches)	Nominal Inside Diameter (Inches)	Minimum Weight Per 100 Ft. with Couplings Attached (Lbs.)	Weight of Conduit and Conductors Per 100 Ft. * (Lbs.)
3/8"	0.577	0.493	23.0	36.6
1/2"	0.706	0.622	28.5	50.6
3/4"	0.922	0.824	43.5	84.3
1"	1.163	1.049	64.0	130.3
1 1/4"	1.510	1.380	95.0	212.3
1 1/2"	1.740	1.610	110.0	269.8
2"	2.197	2.067	140.0	401.8
2 1/2"	2.875	2.731	205.0	579.0
3"	3.500	3.356	250.0	826.3
3 1/2"	4.000	3.834	325.0	1098.0
4"	4.500	4.334	370.0	1364.0

RIGID ALUMINUM CONDUIT

Nominal Conduit Size (Inches)	Outside Diameter (Inches)	Nominal Inside Diameter (Inches)	Minimum Weight Per 100 Ft. with Couplings Attached (Lbs.)	Weight of Conduit and Conductors Per 100 Ft. * (Lbs.)
1/2"	0.840	0.632	27.4	49.5
3/4"	1.050	0.836	36.4	77.2
1"	1.315	1.063	53.0	119.3
1 1/4"	1.660	1.394	69.6	186.9
1 1/2"	1.900	1.624	82.2	242.0
2"	2.375	2.083	115.7	377.5
2 1/2"	2.875	2.489	182.5	556.5
3"	3.500	3.090	238.9	815.2
3 1/2"	4.000	3.570	287.7	1061.0
4"	4.500	4.050	340.0	1334.0
5"	5.563	5.073	465.4	2028.0
6"	6.625	6.093	612.5	2870.0

Dimensions taken from ANSI C80.5 - 1977.

* Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.

Note: All dimensions and weights are subject to variation between manufacturers.
Consult cable manufacturer for more detailed information.

SCHEDULE 40 PVC PLASTIC PIPE

Nominal Conduit Size (Inches)	Outside Diameter (Inches)	Wall Thickness (Inches)	Weight of Pipe (Lbs. Per Ft.)	Weight of Water (Lbs. Per Ft.)
1/8"	0.405	0.068	0.04	0.02
1/4"	0.540	0.088	0.07	0.04
3/8"	0.675	0.091	0.10	0.08
1/2"	0.840	0.109	0.15	0.10
3/4"	1.050	0.113	0.20	0.20
1"	1.315	0.133	0.30	0.40
1 1/4"	1.660	0.140	0.40	0.60
1 1/2"	1.900	0.145	0.50	0.90
2"	2.375	0.154	0.60	1.40
2 1/2"	2.875	0.203	1.00	2.10
3"	3.500	0.216	1.30	3.20
3 1/2"	4.000	0.226	1.60	4.30
4"	4.500	0.237	1.90	5.50

ELECTRICAL NON-METALLIC TUBING (ENT)

Nominal Size (in.)	Outside Diameter (in.)	Nominal Inside Dia. (in.)	Min. Weight of Conduit (lbs./100 ft.)	Wt. of Conduit & Conductors (lbs./100 ft.)
1/2	0.840	0.560	11	33.1
3/4	1.050	0.760	14	54.8
1	1.315	1.000	20	86.3
1 1/4	1.660	1.402	19	136.3
1 1/2	1.990	1.554	27	186.8
2	2.375	2.030	32	261.8

ALL THREADED ROD (ATR)

Thread Size	Root Area		Design Load (SF=5)	
1/4"-20	0.027 In.^{2}	0.174 cm^2	240 Lbs.	1.07 kN
5/16"-18	0.045 In.^{2}	0.290 cm^2	400 Lbs.	1.78 kN
3/8"-16	0.068 In.^{2}	0.438 cm^2	610 Lbs.	2.71 kN

Tabulated loads are based on an allowable tensile stress of 12000 psi (82.7 MPa) reduced by 25% resulting in 9000 psi (62 MPa). From ANSI/MSS SP-58, Table 3.

Dimensions taken from ANSI B1.1 1982 Unified Inch Screw Threads. All threads are UNCR series.

Note: All dimensions and weights are subject to variation between manufacturers.
Consult cable manufacturer for more detailed information.

MC -- METAL CLAD CABLE SPECIFICATIONS

Trade Size	Grounding Conductor AWG	Armor O.D. (in.)	Approx. Wt./100Feet (lbs.)
14-2 Solid	14	0.470	17.5
14-3 Solid	14	0.480	20.5
14-4 Solid	14	0.510	23.0
12-2 Solid	12	0.495	21.5
12-3 Solid	12	0.530	25.5
12-4 Solid	12	0.565	29.5
10-2 Solid	10	0.560	28.5
10-3 Solid	10	0.600	34.0
10-4 Solid	10	0.645	39.5
8-2 Stranded	10	0.710	45.0
8-3 Stranded	10	0.770	54.5
8-4 Stranded	10	0.835	64.5
6-2 Stranded	8	0.795	59.0
6-3 Stranded	8	0.865	72.0
6-4 Stranded	8	0.945	86.0
4-2 Stranded	8	0.945	78.5
4-3 Stranded	8	1.035	98.5
4-4 Stranded	8	1.135	119.5
3-3 Stranded	6	1.025	107.0
3-4 Stranded	6	1.120	126.0
2-2 Stranded	6	1.075	104.5
2-3 Stranded	6	1.180	134.0
2-4 Stranded	6	1.295	164.0

CATEGORY 5 CABLE

Pair Count	AWG Size	O.D. (in.)	Weight (lbs./100 ft.)
2	24	0.16	1.3
3	24	0.18	1.7
4	24	0.20	2.1
6	24	0.27	3.5
8	24	0.30	4.2
25	24	0.50	13.0

Note: All dimensions and weights are subject to variation between manufacturers.
Consult cable manufacturer for more detailed information.

TYPE NM -- NON-METALLIC SHEATHED CABLE

Size AWG	Number of Strands	Ground Wire Size	Approximate O.D. (in.)	Appromimate Weight (Lbs./100 ft.)
Without Ground Wire				
14-2	Solid	--	.17 x .37	5.3
12-2	Solid	--	.19 x .40	7.0
10-2	Solid	--	.22 x .45	10.1
14-3	Solid	--	0.295	8.2
12-3	Solid	--	0.332	10.9
10-3	Solid	--	0.396	15.7
8-3	7	--	0.538	27.8
6-3	7	--	0.611	42.2
With Ground Wire				
14-2	Solid	14	.17 x .37	6.4
12-2	Solid	12	.19 x .41	9.0
10-2	Solid	10	.22 x .49	13.3
8-2	7	10	.28 x .61	21.5
6-2	7	10	.32 x .73	31.3
14-3	Solid	14	0.322	9.3
12-3	Solid	12	0.363	12.9
10-3	Solid	10	0.436	18.7
14-4	Solid	14	0.450	11.6
12-4	Solid	12	0.490	16.1
10-4	Solid	10	0.550	23.3
8-3	7	10	0.552	30.5
6-3	7	10	0.611	45.0
4-3	7	8	0.821	66.4
2-3	7	8	0.946	93.0

TYPE THHN -- INSULATED SINGLE CONDUCTOR BUILDING WIRE

Trade Size	Approximate O.D. (in.)	Approx. Wt./100Feet (lbs.)
14 AWG	0.11	1.7
12 AWG	0.13	2.5
10 AWG	0.16	4.0
8 AWG	0.22	6.5
6 AWG	0.25	9.7
4 AWG	0.32	15.5
3 AWG	0.35	19.1
2 AWG	0.38	23.6
1 AWG	0.45	30.4
1/0 AWG	0.49	37.6

Note: All dimensions and weights are subject to variation between manufacturers.
Consult cable manufacturer for more detailed information.

AC -- ARMORED CABLE SPECIFICATIONS

Trade Size	Armor O.D. (in.)	Approx. Wt./100Feet (lbs.)
14-2 Solid	0.433	18.0
14-3 Solid	0.453	20.0
14-4 Solid	0.486	25.0
12-2 Solid	0.467	21.0
12-3 Solid	0.489	24.5
12-4 Solid	0.520	29.0
10-2 Solid	0.476	25.0
10-3 Solid	0.500	29.5
10-4 Solid	0.541	38.0
8-2 Solid	0.570	34.5
8-3 Solid	0.601	41.5
8-4 Solid	0.654	48.0
8-2 Stranded	0.604	34.5
8-3 Stranded	0.637	42.0
8-4 Stranded	0.695	51.5
6-2 Stranded	0.700	44.5
6-3 Stranded	0.739	56.0
6-4 Stranded	0.807	68.5
4-2 Stranded	0.836	62.0
4-3 Stranded	0.885	80.0
4-4 Stranded	0.971	99.5
3-3 Stranded	0.990	94.0
3-4 Stranded	1.085	118.0
2-2 Stranded	0.956	81.5
2-3 Stranded	1.014	109.5
2-4 Stranded	1.115	138.0

Note: All dimensions and weights are subject to variation between manufacturers.
Consult cable manufacturer for more detailed information.

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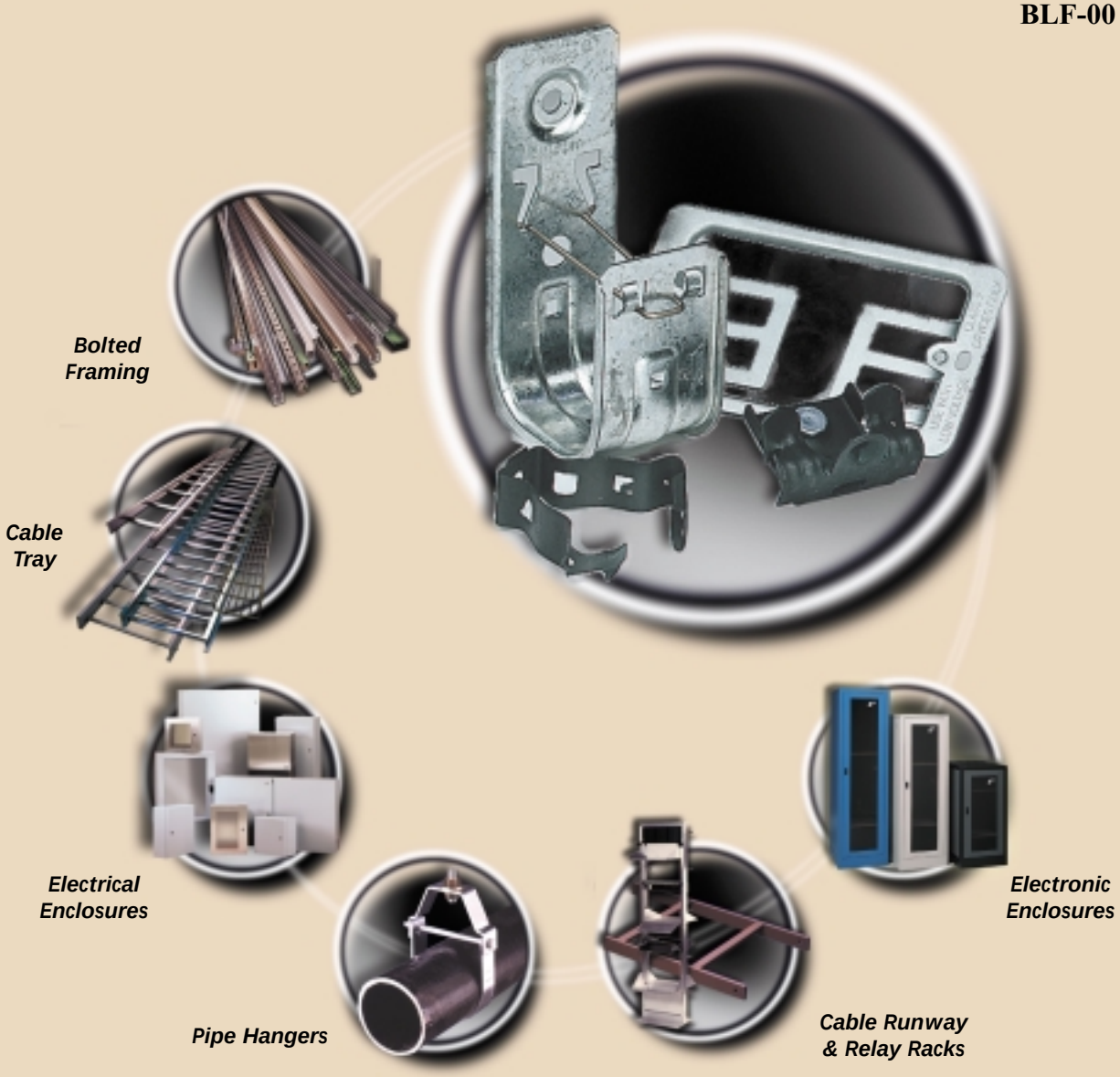

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Fax:	618-654-1917	303-375-8015
Address:	Cooper B-Line 509 West Monroe St. Highland, IL 62249	Cooper B-Line 21000 East 32nd Parkway Aurora, CO 80011

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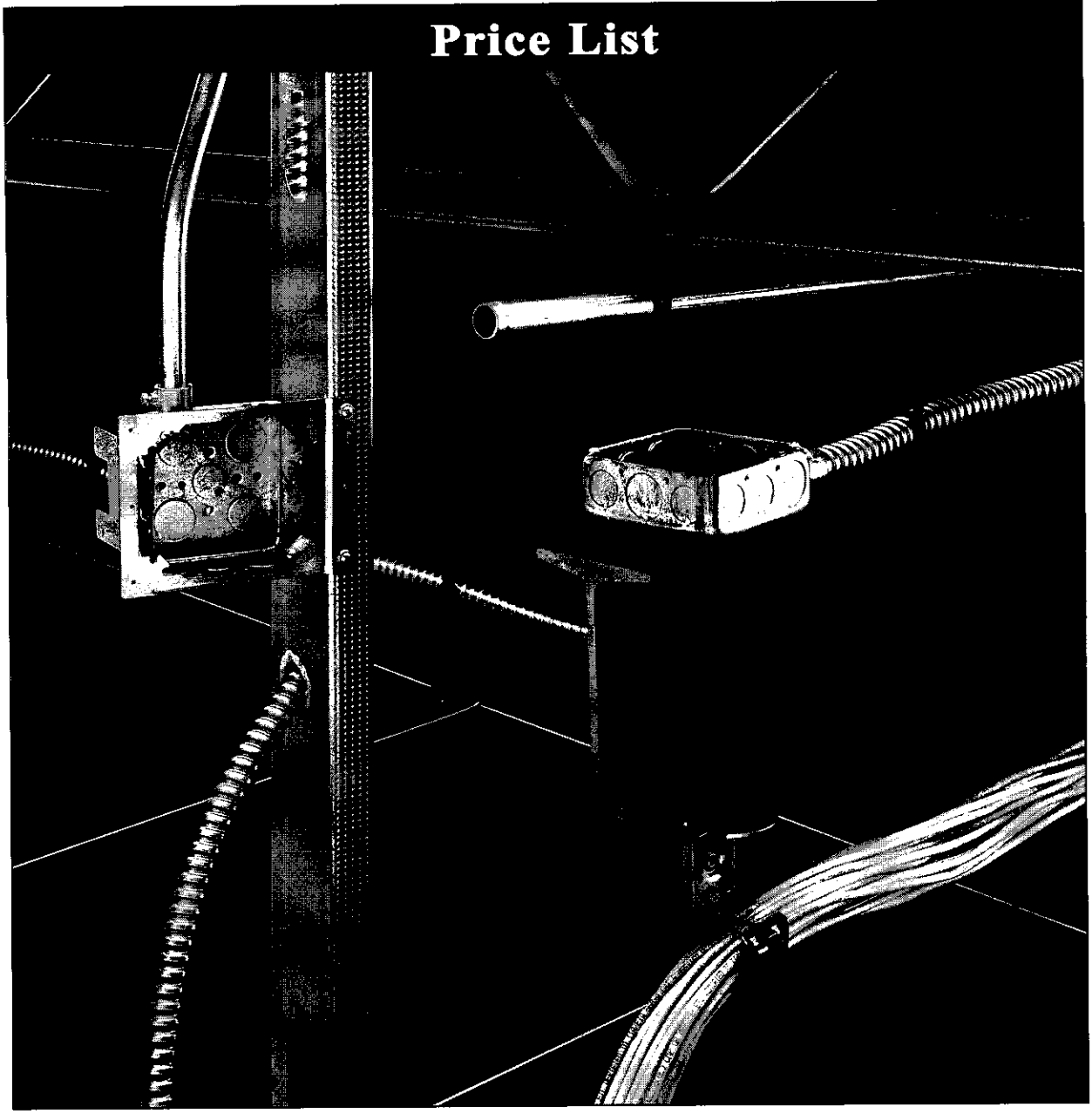
SPRING STEEL FASTENERS

Price List



B-Line®

SYSTEMS THAT MAKE SENSE

COOPER B-Line

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Technical Data

MATERIAL

B-Line's spring steel fasteners are manufactured from spheroidized annealed high carbon steel (ASTM A684, AISI 1055). Mild steel fasteners are manufactured from electrolytic zinc coated steel (ASTM A591) or pre-galvanized steel (ASTM A526).

B-Line spring steel fasteners are heat treated to make the steel hard and give the parts their spring quality and strength. The hardness for a given fastener depends on the required load carrying capacity and the application.

LOAD DATA

The design load ratings for B-Line fasteners are specified as either static load capacity or ultimate static load capacity. By definition, the listed static load capacity has a safety factor of three (3.0); the listed ultimate static load capacity has no safety factor. In either case, these stated loads are not to be exceeded, and loads should be applied only as depicted in the catalog, price list, and/or installation sheets. The load capacity of a fastener having more than one component is equal to the load capacity of the lowest rated component.

Fasteners having no load ratings are designed for proper placement of boxes, conduit, etc., and not for supporting loads.

B-Line fasteners are designed for use with support members (e.g.: angle iron, bar joists, beams, columns, flanges, purlins, wire, rod) that comply with the applicable AISI standards and threaded rod that complies with the applicable ANSI standards.

QUALITY ASSURANCE

B-Line has an established Q.C. program in which raw material and finished products are sampled, inspected, and tested by certified inspectors to assure that all applicable standards are met. B-Line's fasteners are manufactured in controlled lots and each part is identified by a lot number stamped into the part. This number allows B-Line to track each step of the manufacturing process including raw material, die set-up, heat treating and finishing. Samples are tested to verify correct hardness, corrosion resistance and load carrying capacity.

FINISHES

B-Line's spring steel fasteners receive a coating* of sealant impregnated with zinc phosphate. This type of coating was commercially developed by industry to inhibit oxidation of ferrous metals for up to 72 hours in a specified salt fog atmosphere. As applied to its fasteners, B-Line rates this coating for 30 hours when salt fog tested per ASTM B-117. Although rust resistant, B-Line fasteners should be used only indoors and in non-corrosive environments.

* At least 1000 milligrams of zinc phosphate per square foot.

Some standard fasteners have a gloss white acrylic enamel applie over the zinc phosphate finish for an enhanced appearance that compliments white ceiling grids.

Electrogalvanized zinc (also known as zinc-plated or electroplated) is the process by which a coating of zinc is deposited on the steel by electrolysis from a bath of zinc salts. The coating is pure zinc and is mechanically bonded to the steel. A maximum of .5 mils of zinc can be applied by this method. When exposed to air and moisture, zinc forms a tough, adherent, protective film consisting of a mixture of zinc oxides, hydroxides, and carbonates. This film is in itself a barrier coating, which slows subsequent corrosive attack of the zinc. This coating is usually recommended for indoor use in relatively dry areas.

Pre-galvanized steel is produced by coating coils of sheet steel with zinc by continuously rolling the material through molten zinc at the mills. This is also known as mill galvanized or hot-dip galvanized. These coils are then slit to size and fabricated into B-Line products. The G90 specification calls for a coating of .90 ounces of zinc per square foot on each side of the sheet. During fabrication, cut edges and welded areas are not normally zinc coated; however, the zinc near the uncoated metal becomes a sacrificial anode to protect the bare areas after a short period of time. Pre-galvanized steel is recommended for indoor use in dry areas.

CAUTION

Do not use B-Line Fasteners outdoors or in corrosive environments. Proper application of each fastener is shown in this price list, the catalog and on the installation sheets inside each carton. Failure due to improper installation may cause harm to personnel and/or property.

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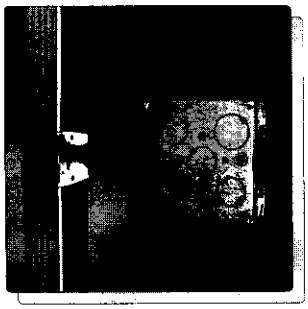
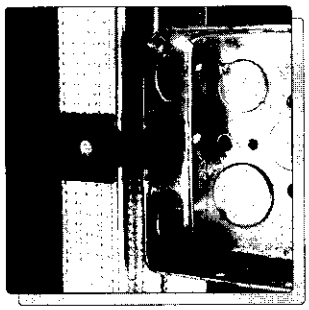
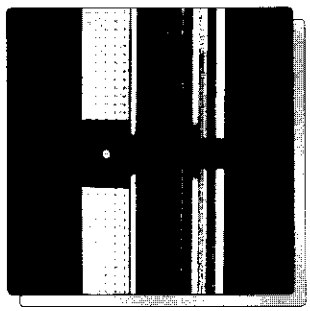
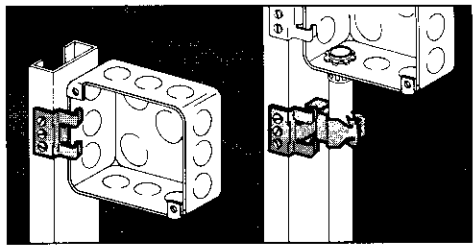
Metal Studs





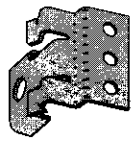


Box To Stud Fasteners



FEATURES

- Attaches with screws to either side of metal stud.
- BB1 supports electrical box.
- BG series conduit fasteners feature **Guide-Rite®** design.
- BP series conduit fasteners feature push-type design.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB1	Electrical Box Support Clip	781011 18145	100	**36.37**

Conduit To Stud Fasteners

Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-B1	3/8"	781011 18420	100	**63.98**
BG-8-12-B1	1/2", 3/4"	781011 18475	100	**64.43**
BG-16-B1	1"	781011 18555	100	**71.72**

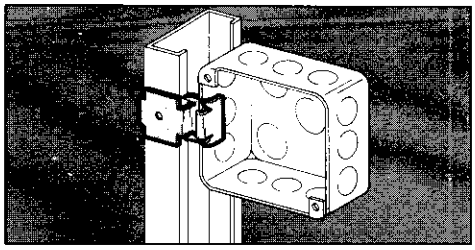
Patent #4958792

Push-Type Fastener

PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-B1	1/2" EMT	781011 19245	100	**63.63**
BP-12-B1	3/4" EMT, 1/2" IMC, Rigid	781011 19345	100	**66.31**
BP-16-B1	1" EMT, 3/4" IMC, Rigid	781011 19440	100	**69.79**

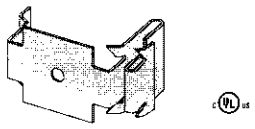
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Box To Stud Fasteners



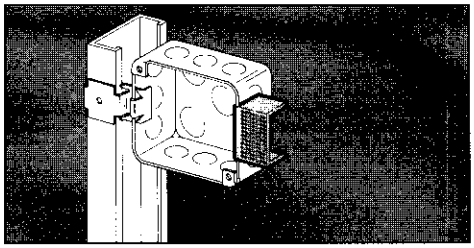
FEATURES

- Attaches electrical boxes (requiring plaster rings) to most metal studs.
- Box mounts flush to back of drywall.
- Simply installed with a hammer.



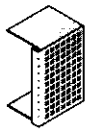
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB9	Electrical Box Support	781011 18270	100	**48.32**

Box Stabilizers



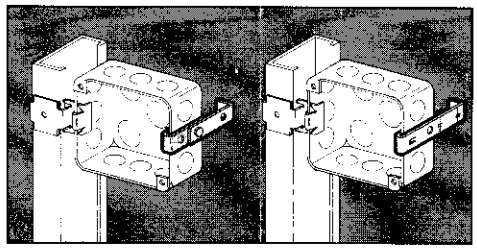
FEATURES

- Secures electrical boxes to drywall.
- Held in place by plaster ring.
- Attached to drywall by a single screw.



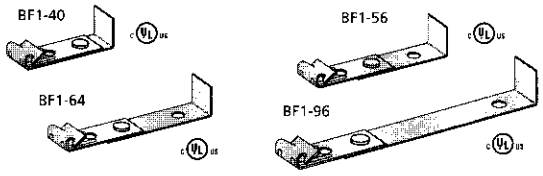
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB60	Box Stabilizer	781011 19887	100	**57.32**

Box Stabilizers

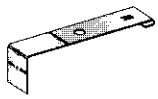


FEATURES

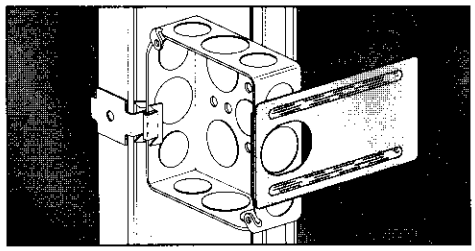
- Provides additional support for electrical boxes.
- BF1 series is available for 2½", 3½", 4" and 6" metal studs.
- BB7 is adjustable for use with 2½" thru 4" metal studs.



PART NUMBER	METAL STUD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BF1-40	2½"	781011 18320	100	**56.12**
BF1-56	3½"	781011 18325	100	**57.78**
BF1-64	4"	781011 18330	100	**57.78**
BF1-96	6"	781011 18335	100	**69.32**

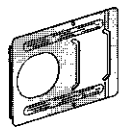


PART NUMBER	METAL STUD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BB7	2½" thru 4" (Sized by Bending at Pre-Marked Lines)	781011 18265	100	**23.57**

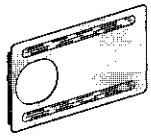


FEATURES

- Superior design provides the greatest stability for electrical boxes.
- Cut-outs facilitate bending to provide a quick and precise installation for every stud depth.
- Snaps onto box front and is secured by plaster ring - installs in 5 seconds.
- Design does not interfere with conduit runs entering box.



BB12



BB12-6

PART NUMBER	METAL STUD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BB12	2½", 3⅝", 4" depths	781011 92876	100	**29.15**
BB12-6	6" depth	781011 92879	100	**41.25**

Read safety/installation instruction sheets in packages before use.
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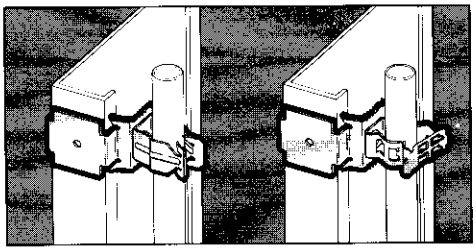
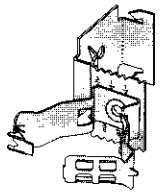
Conduit To Stud Fasteners



FEATURES

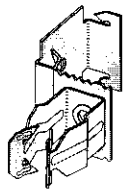
- Attaches conduit to most metal studs.
- Simply installed with a hammer and pliers.
- BG series conduit fasteners feature **Guide-Rite®** design.
- BP series conduit fasteners feature push-type design.



Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-B5	3/8" or BX	781011 18425	100	**87.31**
BG-8-12-B5	1/2", 3/4"	781011 18480	100	**77.92**
BG-16-B5	1"	781011 18560	100	**90.56**
BG-20-B5	1 1/4"	781011 18645	50	**103.71**

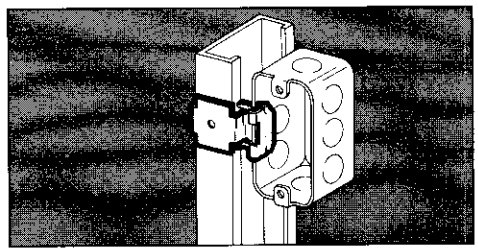
Patent #4958792



Push-Type Fastener

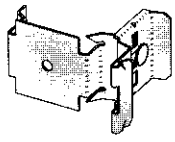
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-B5	1/2" EMT	781011 19250	100	**84.87**
BP-12-B5	3/4" EMT, 1/2" IMC, Rigid	781011 19350	100	**84.70**
BP-16-B5	1" EMT, 3/4" IMC, Rigid	781011 19445	100	**88.91**

Switch Box To Stud Fasteners



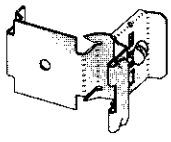
FEATURES

- Attaches switch boxes to most metal studs.
- Simply installed with a hammer.
- BB5 series is riveted for flush wall or 1/4" thru 3/4" drywall.
- BB6-A is field adjustable for 1/4" thru 3/4" drywall.



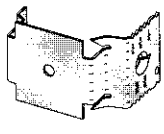
PART NUMBER	DRYWALL THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BB5-0	Flush Wall	781011 18220	100	**111.45**
BB5-4	1/4"	781011 18225	100	**87.26**
BB5-6	3/8"	781011 18230	100	**87.26**
BB5-8	1/2"	781011 18235	100	**87.26**
BB5-10	5/8"	781011 18240	100	**87.26**
BB5-12	3/4"	781011 18245	100	**87.26**

Patent #4971280



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB6-A	Adjustable (1/4" thru 3/4" Drywall)	781011 18260	100	**115.50**

Patent #4971280

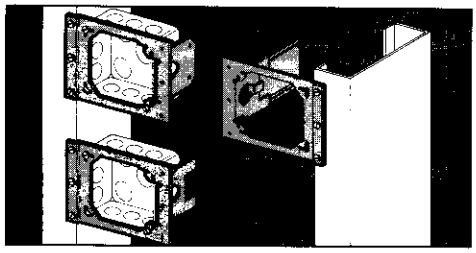


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB6	1/4"-20 Thread Impression	781011 18255	100	**51.51**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

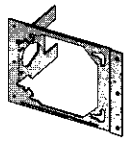
B-Line®

Box Support Brackets



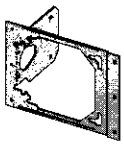
FEATURES

- Supports either 4" square or 4 11/16" boxes.
- Available for 2 1/2", 3 1/2", 4" and 6" metal studs.
- Attaches with screws to either side of metal stud.
- Brackets may be piggy-backed in series on same side of metal stud.



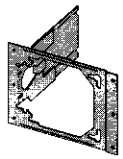
PART NUMBER	METAL STUD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BB4-23	2 1/2", 3 1/2"	781011 18190	100	**75.71**

Patent #4757908



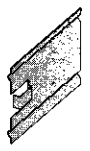
PART NUMBER	METAL STUD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BB4-4	4"	781011 18200	100	**81.28**

Patent #4757908



PART NUMBER	METAL STUD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BB4-6	6"	781011 18202	25	**99.50**

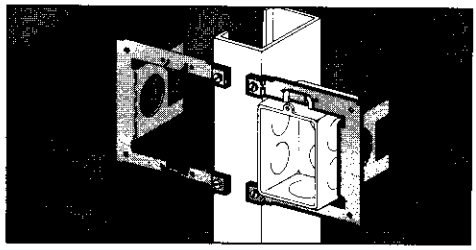
Patent #4757908



PART NUMBER	METAL STUD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BB4-XT6	Extends BB3, BB4-23 & BB4-4 for use on 6" Deep Studs	781011 18204	100	**26.87**

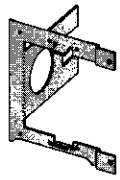
Patent #4757908

Switch Box Bracket



FEATURES

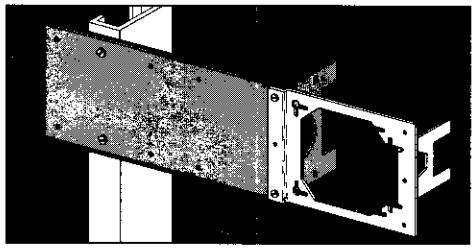
- Supports all 2" x 3" switch boxes with 1 or 2 screw plaster ears.
- Adjustable for 2 1/2" & 3 1/2" metal studs.
- Attaches with screws to either side of metal stud.
- Brackets may be piggy-backed in series on same side of metal stud.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB3	2" x 3" Switchbox Bracket	781011 18195	100	**73.94**

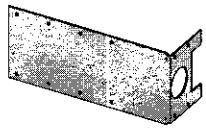
Patent #4753361

Extension Bracket



FEATURES

- For mounting outlet boxes from 6" to 24" O.C. between metal studs.
- Adjustable for 2 1/2" & 3 1/2" metal studs.
- Attaches with screws to either side of metal stud.

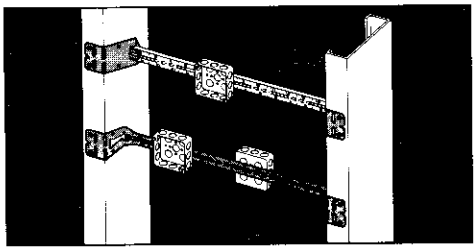


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB4-XB	Extension Bracket For BB3 and BB4 Series Box Support Brackets	781011 18203	50	**112.47**

Patent #4603789

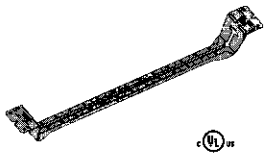
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Box Mounting Brackets



FEATURES

- Supports boxes located between studs 16" or 24" on center.
- Adjustable design fits both 1½" and 2⅛" deep boxes.
- Boxes attach easily with sheet metal screws through pre-punched holes.
- Bar is marked in ½" increments.
- Accommodates 4" thru 24" stud spacing using BB2-AC series bracket adaptors.

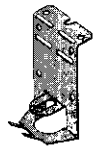


PART NUMBER	STUD SPACING	BOX DEPTH	UPC NO.	BOX QTY.	PRICE PER 100
BB2-16	16"	1½"	781011 18160	50	**149.58**
BB2-24	24"	1½"	781011 18165	50	**201.10**
BB2-16D*	16"	2⅛"	781011 18161	50	**159.72**
BB2-24D*	24"	2⅛"	781011 18166	50	**205.25**

* Pre-formed brackets for 2⅛" deep boxes

Patent #5209444
Patent #4967990

BB2-AC



BB2-ACD

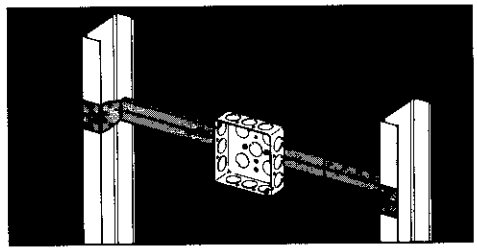
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB2-AC	Bracket Adaptor for BB2-16 & BB2-24	781011 01145	25	**34.04**
BB2-ACD	Bracket Adaptor for BB2-16D & BB2-24D	781011 01221	25	**34.04**

Note: Five (5) BB2-AC or BB2-ACD adaptors supplied free in each box of BB2 series Box Mounting Brackets.

Box Mounting Screws

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BWHS-9	Sheet Metal Screw #8 x 9/16" Wafer Head	781011 01675	1000	**2.44**

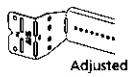
Telescoping Box Mounting Brackets



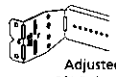
FEATURES

- Completely adjustable - fits a range of stud spacings and both 1½" and 2⅛" deep boxes.
- Telescoping design slides to adjust for varying stud spacing.
- Pre-punched screw holes provide for easy installation of boxes.
- Bar is marked with a scale that indicates center-to-center stud spacing for quick adjustment.

PART NUMBER	METAL STUD SPACING	UPC NO.	BOX QTY.	PRICE PER 100
BB2-16T	11" to 18"	781011 04256	50	**137.82**
BB2-24T	15" to 26"	781011 01664	50	**183.80**



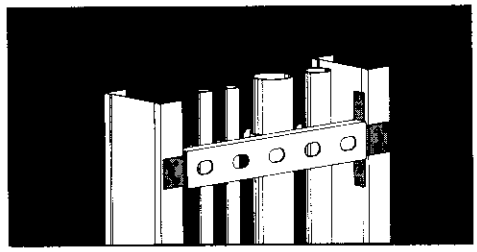
Adjusted for 1½" deep box.



Adjusted for 2⅛" deep box.

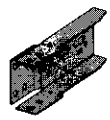
Licensed under Patent #5386959
Patent #5209444

Strut Mounting Brackets



FEATURES

- Attaches 13/16" strut, 1½" lathers channel, ½" EMT or ¾" EMT to metal studs.
- Provides support for vertical or horizontal runs of conduit.
- Attaches easily with sheet metal screws.

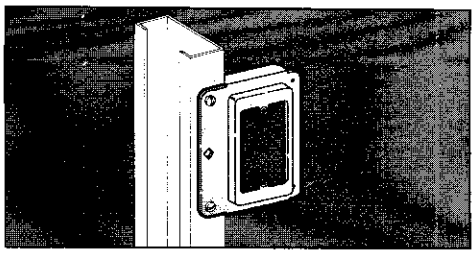


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100 PAIR
BMB1	Strut Mounting Bracket	781011 01658	25 pr.	**46.50**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

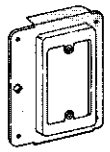
B-Line

Cover Plate Mounting Brackets



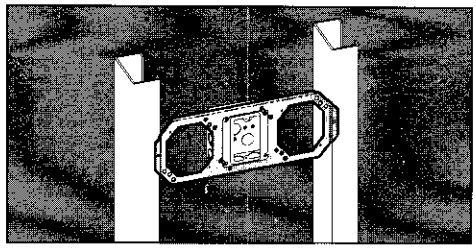
FEATURES

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Replaces electrical box in Class 2 low voltage installations.
- Can be piggy-backed for side-by-side plate mounting.



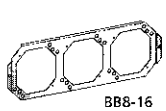
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB15	Single Gang Stud Bracket	78101119873	50	**68.41**

Box Mounting Brackets

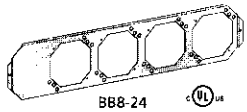


FEATURES

- Provides support for boxes or plaster rings between studs 16" or 24" on center.
- Accommodates 4" or 4 11/16" boxes.
- Allows side-by-side mounting of 1 1/2" or 2 1/8" deep boxes.



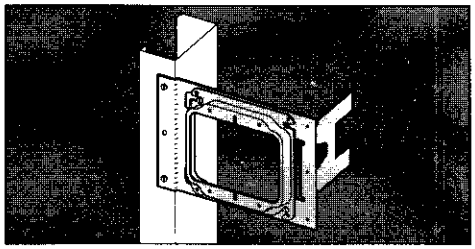
BB8-16



BB8-24

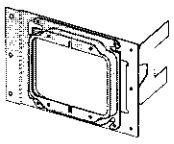
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB8-16	Box Mounting Bracket For 16" Stud Spacing	78101102898	25	**168.43**
BB8-24	Box Mounting Bracket For 24" Stud Spacing	78101102900	25	**226.72**

Cover Plate Mounting Brackets



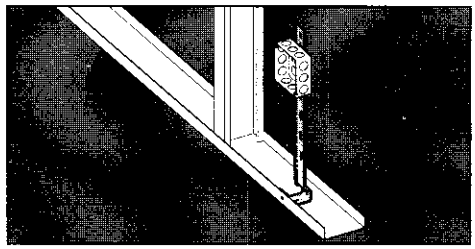
FEATURES

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Replaces electrical box in Class 2 low voltage installations.
- Heavy-duty double gang design with far side support.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB25	Double Gang Stud Bracket (1/2" Raise)	78101103625	25	**220.10**
BB25-10	Double Gang Stud Bracket (5/8" Raise)	78101103626	25	**228.90**

Floor Mounted Box Support



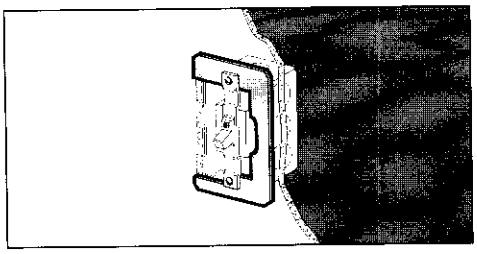
FEATURES

- Provides support for electrical box from floor track or concrete forms.
- 18" length with break-away feature for 12", 16", or 18" box mounting.
- Attaches easily with sheet metal screws.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB-18	Floor Mounted Box Support	78101103623	50	**167.23**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Retainer Leveler

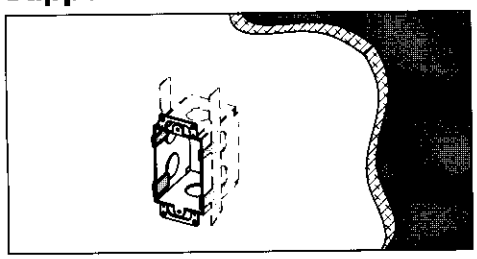


FEATURES

- BB32 adds rigidity to devices in oversize wall openings.
- Holds wiring device firmly in drywall.
- Saves cover plates from breakage.

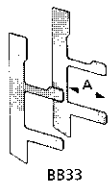
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB32	Adds Rigidity to Oversize Wall Openings	781011 18215	100	**20.04**

Box Support

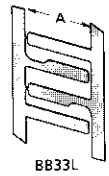


FEATURES

- Attaches electrical boxes to finished drywall.
- Box is completely supported by drywall.
- Prevents box from pulling out of wall.



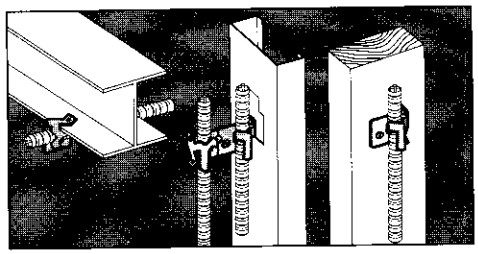
BB33



BB33L

PART NUMBER	DESCRIPTION	LENGTH A	UPC NO.	BOX QTY.	PRICE PER 100
BB33	Box Support	1 1/2"	781011 01138	100 pr.	**23.28**
BB33L	Long Leg Box Support	2 1/4"	781011 04936	100	**23.28**

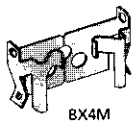
Flexible Conduit/ Cable Fasteners



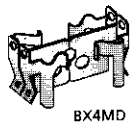
FEATURES

- Attaches 1 to 4 runs of MC, AC, sizes #14-2 through #10-3 or 3/8" BX to metal or wood studs and flanges up to 3/16" thick.
- Snaps into place on metal stud openings or may be screwed to metal or wood studs.
- BX4M may be snapped in half to make two BX4's.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).

BX4



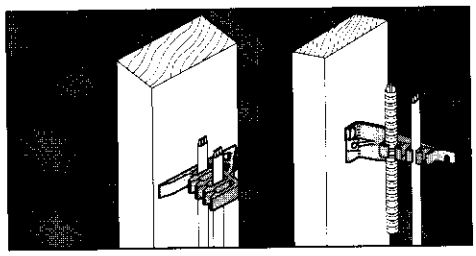
BX4M



BX4MD

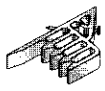
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4	Single Runs	781011 01079	100	**17.59**
BX4M	Double Runs	781011 01080	100	**24.64**
BX4MD	Up to 4 Runs	781011 01224	100	**34.55**

Cable Fasteners



FEATURES

- Attaches Type NM cables to wood studs.
- Can be used to support computer, CATV, telephone, security and instrumentation cables.
- Provided with nail inserted.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).



BRC1

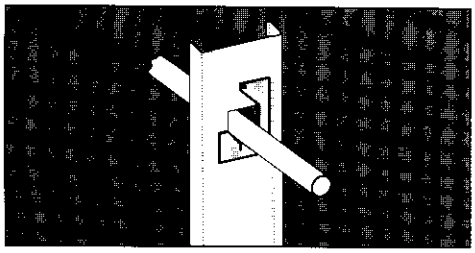
BRC2

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BRC1	Wood Stud Cable Fastener	781011 02941	50	**34.67**
BRC2	Furring Strip Cable Fastener	781011 02942	50	**33.42**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

B-Line

Conduit/Cable Supports



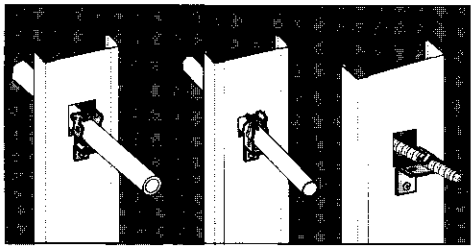
FEATURES

- Allows conduit, flexible conduit (BX), armored cable (AC) or metal clad cable (MC) to be pulled through metal studs.
- Provides support for horizontal runs of conduit or cable through metal studs.
- Prevents conduit/cable rattling.

BX82

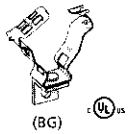
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BX82	Up to 1"	78101101657	100	**21.34**

Conduit/Cable Supports



FEATURES

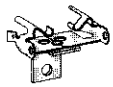
- Supports horizontal runs of conduit, flexible conduit (BX), armored cable (AC), or metal clad (MC) cable through metal studs.
- Attaches easily with a single sheet metal screw.
- Prevents conduit/cable rattling.



(BG)

(BP)

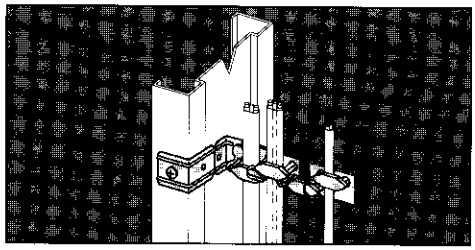
(BX4)



(BX4M)

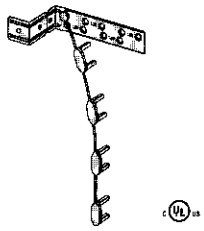
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-H7	3/8" or BX	78101101228	100	**60.56**
BG-8-12-H7	1/2" or 3/4"	78101101238	100	**58.74**
				Patent #4958792
BP-8-H7	1/2" EMT	78101101227	100	**55.33**
BP-12-H7	3/4" EMT, 1/2" IMC, Rigid	78101101226	100	**59.26**
BX4-H7	MC, AC or BX	78101101200	100	**41.15**
BX4M-H7	MC, AC or BX	78101101205	100	**48.32**

Staple-Lok™ Multi-Purpose Cable Support

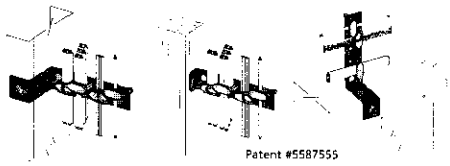


FEATURES

- Individual plastic staples grip cable and reduce slipping.
- Secures up through #10 type NM cable.
- Supports AC, MC or BX cable up to .500" O.D.
- Break-apart feature allows installation on studs and furring strips.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).

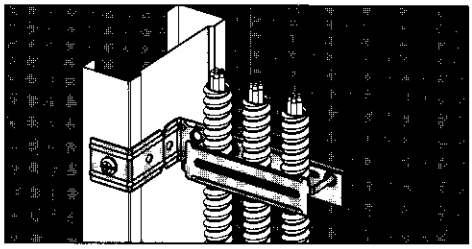


PART NUMBER	CABLE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BRC4	Up to .500" O.D.	78101103587	100	**35.58**



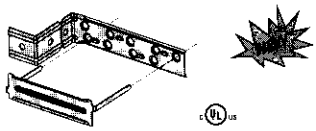
Patent #5587555

Cable Support



FEATURES

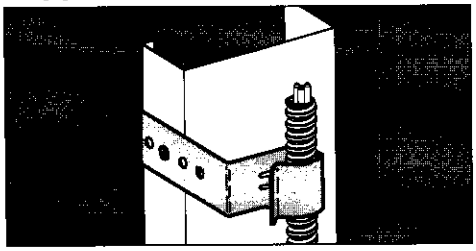
- Metal cable support can be used in plenum-rated areas.
- Single staple can support up to 6 runs of NM cable.
- Single staple can support up to 4 runs of AC, MC or BX cable.
- Single staple can support up to 4 runs of AC, MC or BX cable.
- Allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).



PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BRC4M	Up to 1" O.D.	78101104980	100	**35.58**

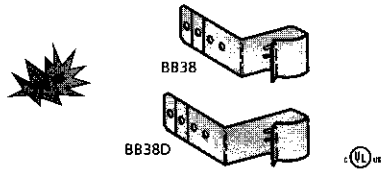
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Conduit Support



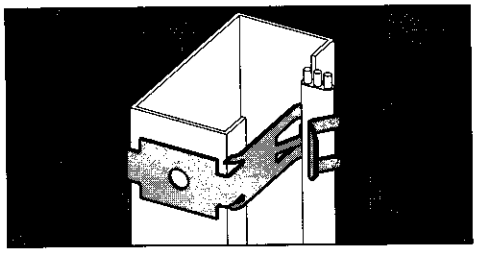
FEATURES

- Eliminates the need for offset bending of conduit.
- Aligns conduit with standard box knockouts.
- New design attaches MC/AC cable, 1/2" and 3/4" EMT to all metal and wood studs.
- Allows conduit to be supported within 36" of an electrical box as required by NEC Article 348-12.



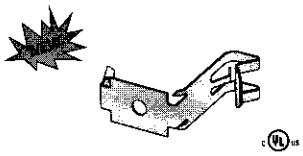
PART NUMBER	BOX DEPTH	UPC NO.	BOX QTY.	PRICE PER 100
BB38	1 1/2"	781011 04265	100	**24.70**
BB38D	2 1/8"	781011 95244	100	**26.07**

Flexible Conduit/ Cable Fasteners



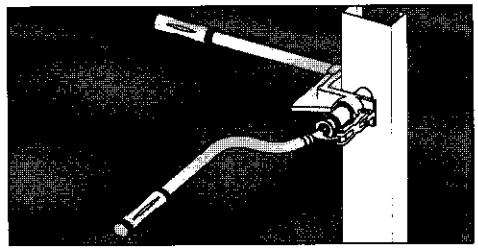
FEATURES

- New design secures Romex® sizes #14-2 w/ground thru #12-3 w/ground, MC/AC, or BX cable sizes #14-2 thru #12-3 to metal or wood studs.
- Simply installed with a hammer.
- Improved design allows cables to be positioned a minimum of 1 1/4" from face of stud as required by NEC Article 300-4(d).



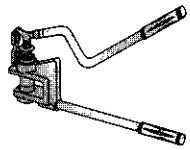
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX5	Secures Flexible Conduit or Cable to Metal or Wood Studs	781011 19755	100	**30.46**

Metal Stud Punch



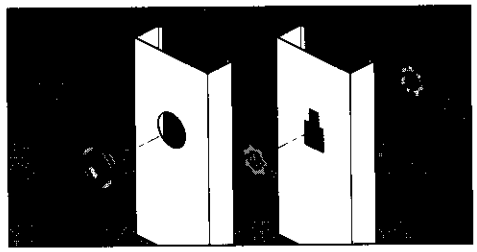
FEATURES

- Rugged construction easily punches 1 11/32" holes in up to 20 gauge sheet metal.
- Aluminum head provides maximum strength with minimum weight, reducing operator fatigue.
- Contoured handle design gives better operator leverage and makes it possible to punch in tight places.
- Automatically centers holes on standard studs.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER EACH
BT25	Metal Stud Punch	781011 01235	1	**244.76**

Metal Stud Grommet



FEATURES

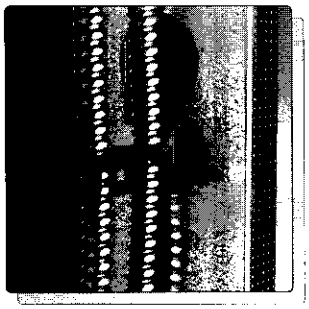
- BM1 snaps into standard 1 11/32" diameter holes in metal studs from 25 Ga. to 16 Ga.
- BM2 universal stud insulator fits any standard factory punched metal stud hole. Tabs snap together to provide 360° protection for cable.
- Protects wire insulation from sharp edges of metal studs in accordance with NEC Article300-4(b) (1).

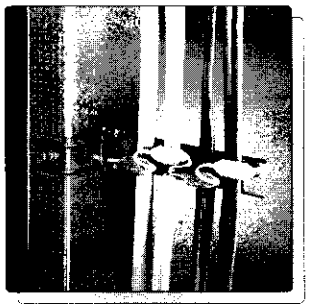
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BM1	Plastic Grommet	781011 19100	100	**16.68**
BM1M	Plastic Grommet (Bulk Quantity)	781011 19102	1000	**11.33**
BM2	Universal Grommet	781011 04926	100 pr.	**22.20**

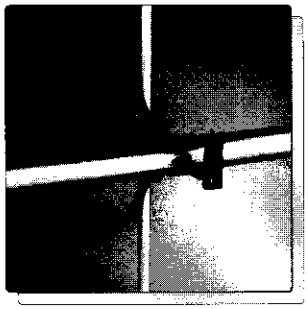
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

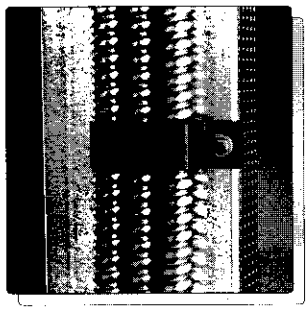
B-Line®

Conduit & Cable

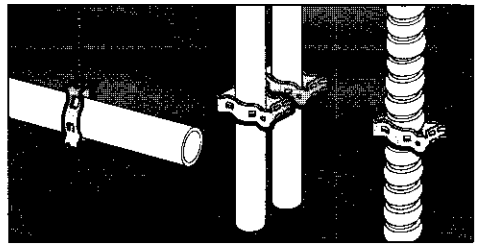








Conduit Fasteners



FEATURES

- Supports 3/8" to 2" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation with pliers.
- Available with clearance hole for 1/4" bolt or 1/4" -20 thread impression mounting hole.
- Static Load Capacity:
  100 Lbs. - Vertical
  25 Lbs. - Horizontal

Guide-Rite® Fastener
With Clearance Hole
For 1/4" Bolt

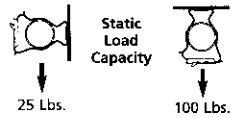
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6	3/8"	781011 18350	100	**22.09**
BG-8-12	1/2", 3/4"	781011 18355	100	**21.52**
BG-16	1"	781011 18360	100	**29.20**
BG-20	1 1/4"	781011 18365	100	**44.34**
BG-24	1 1/2"	781011 18370	100	**46.22**
BG-32	2"	781011 18375	100	**52.53**

Patent #4958792

Guide-Rite® Fastener
With 1/4"-20
Thread Impression

PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-4T	3/8"	781011 18380	100	**25.96**
BG-8-12-4T	1/2", 3/4"	781011 18385	100	**22.59**
BG-16-4T	1"	781011 18390	100	**29.09**
BG-20-4T	1 1/4"	781011 18395	100	**44.34**
BG-24-4T	1 1/2"	781011 18400	100	**46.22**
BG-32-4T	2"	781011 18405	100	**52.53**

Patent #4958792



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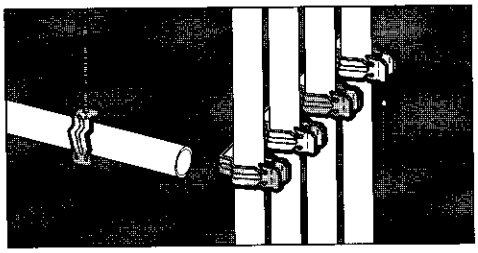
Prices are subject to change without notice.

Conduit Fasteners



FEATURES

- Push-Type Conduit Fastener supports 1/2" thru 1" EMT; 1/2", 3/4" IMC; and 1/2", 3/4" Rigid.
- Available with clearance hole for 1/4" bolt or 1/4"-20 thread impression mounting hole.
- ***Ultimate Static Load Capacity:***
  25 Lbs. Vertical
  15 Lbs. Horizontal

Push-Type Fastener
With Clearance Hole
For 1/4" Bolt

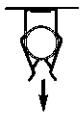
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8	1/2" EMT	781011 19200	100	**20.77**
BP-12	3/4" EMT, 1/2" IMC, Rigid	781011 19205	100	**23.57**
BP-16	1" EMT, 3/4" IMC, Rigid	781011 19210	100	**27.16**

Push-Type Fastener
With 1/4"-20
Thread Impression

PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-4T	1/2" EMT	781011 19215	100	**20.77**
BP-12-4T	3/4" EMT, 1/2" IMC, Rigid	781011 19220	100	**23.57**
BP-16-4T	1" EMT, 3/4" IMC, Rigid	781011 19225	100	**27.16**

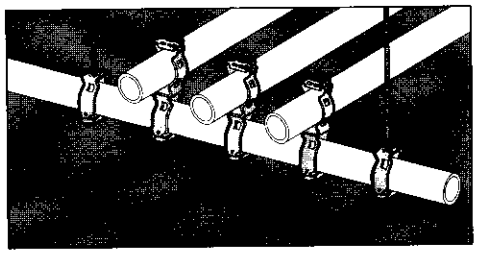
15 Lbs.

Ultimate Static Load Capacity



25 Lbs.

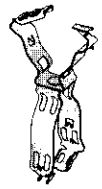
Conduit Trapeze Fasteners



FEATURES

- For use with 3/8" to 2" conduit.
- **Guide-Rite®** Fastener provides for fast and easy installation with pliers.
- **Note:** Total load of trapeze must not exceed 100 Lbs.

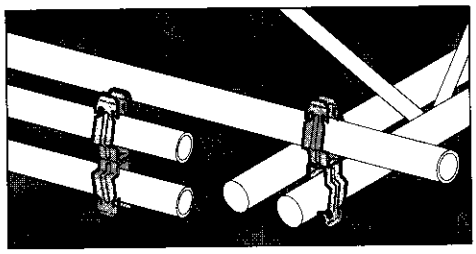
Guide-Rite®
Fastener



PART NUMBER	CONDUIT TO 1" TRAPEZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-16-G-6	3/8"	781011 18615	100	**64.27**
BG-16-G-8-12	1/2" or 3/4"	781011 18620	100	**65.68**
BG-16-G-16	1"	781011 18595	100	**73.48**
BG-16-G-20	1 1/4"	781011 18600	50	**87.38**
BG-16-G-24	1 1/2"	781011 18605	50	**89.14**
BG-16-G-32	2"	781011 18610	50	**93.12**

Patent #4958792

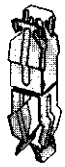
Conduit To Conduit Fasteners



FEATURES

- An ideal spacer between conduits.
- No installation tools required.
- ***Ultimate Static Load Capacity:*** 25 Lbs.

Push-Type
Fastener



PART NUMBER	EMT CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-P-8	1/2" to 1/2"	781011 19305	100	**57.15**
BP-8-P-12	1/2" to 3/4"	781011 19295	100	**58.40**
BP-8-P-16	1/2" to 1"	781011 19300	100	**61.02**
BP-12-P-12	3/4" to 3/4"	781011 19395	100	**59.54**
BP-12-P-16	3/4" to 1"	781011 19400	100	**63.81**
BP-16-P-16	1" to 1"	781011 19485	100	**67.62**

Note: For rigid conduit with BP series, use next size larger fastener (1/2" Rigid use BP-12).

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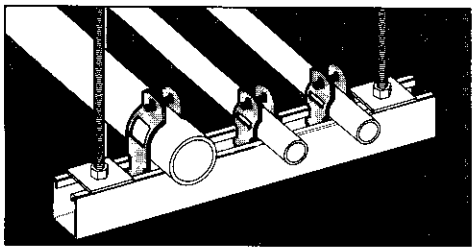
Prices are subject to change without notice.

Break-Apart Conduit Clamps

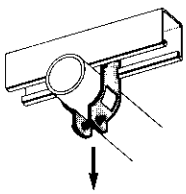


FEATURES

- Unique patented Multi-Grip design fits Rigid, IMC or EMT conduit.
- Convenient one-piece design with 5/16"-18 thread impression and retained bolt eliminates handling of separate nuts and bolts.
- Break-apart feature speeds installation.
- Finish: Zinc-Plated.
- Static Load Capacity: 200 Lbs.

PART NUMBER	RIGID OR EMT CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BPC-8	1/2"	78101101676	100	**56.12**
BPC-12	3/4"	78101101677	100	**58.58**
BPC-16	1"	78101101680	100	**61.35**
BPC-20	1 1/4"	78101101679	50	**64.50**
BPC-24	1 1/2"	78101101678	50	**79.78**
BPC-32	2"	78101101681	50	**84.86**
BPC-40	2 1/2"	78101103977	50	**121.03**
BPC-48	3"	78101103978	50	**132.71**
BPC-56	3 1/2"	78101103979	25	**142.18**
BPC-64	4"	78101103981	25	**150.09**

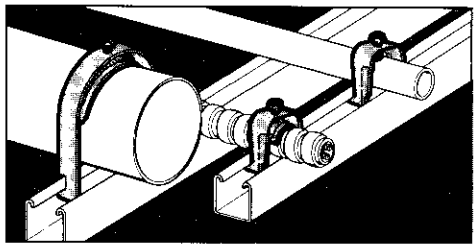
Patent #4044428



200 Lbs.

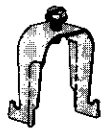
Static Load Capacity

Conduit Strut Clamps



FEATURES

- Attaches conduit, flexible conduit or cables to standard strut channels.
- Unique one-piece design eliminates handling of nuts and bolts and allows for easy installation and removal in side-by-side conduit runs.
- Anti-rock feature prevents clamp from disengaging during installation.
- All sizes available with saddle. Sizes 1/2" thru 1 1/4" available with or without saddle.
- Finish: Zinc-Plated



PART NUMBER	CONDUIT SIZE EMT	CONDUIT SIZE RIGID	O.D. RANGE MIN	O.D. RANGE MAX	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
B1508	1/2"	--	--	--	200 Lbs.	78101163150	100	**46.17**
B1512	3/4"	1/2"	--	--	200 Lbs.	78101163154	100	**48.27**
B1516	1"	3/4"	--	--	300 Lbs.	78101163157	100	**57.27**
B1520	1 1/4"	1"	--	--	300 Lbs.	78101163160	100	**64.23**

Patent # 5022614
Note: Clamps without saddle are not recommended for flexible conduit or cable.

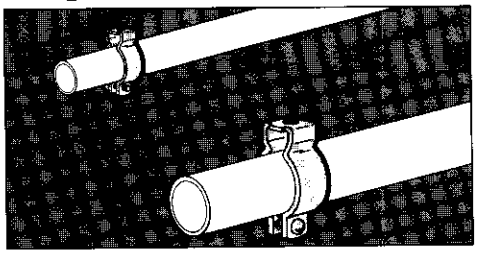
PART NUMBER	CONDUIT SIZE EMT	CONDUIT SIZE RIGID	O.D. RANGE MIN	O.D. RANGE MAX	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
B1508S	1/2"	--	.250	.680	200 Lbs.	78101163164	100	**68.37**
B1512S	3/4"	1/2"	.500	.840	200 Lbs.	78101163168	100	**70.88**
B1516S	1"	3/4"	.750	1.050	300 Lbs.	78101163171	100	**70.88**
B1520S	1 1/4"	1"	1.125	1.315	300 Lbs.	78101163177	100	**72.45**
B1524S	1 1/2"	1 1/4"	1.375	1.660	400 Lbs.	78101163182	50	**76.90**

Patent # 5022614

PART NUMBER	CONDUIT SIZE EMT	CONDUIT SIZE RIGID	O.D. RANGE MIN	O.D. RANGE MAX	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
B1532S	2"	1 1/2"	1.875	2.200	400 Lbs.	78101163188	50	**83.92**
B1534S	--	2"	2.125	2.375	400 Lbs.	78101163193	25	**123.55**
B1540S	2 1/2"	2 1/2"	2.625	2.875	400 Lbs.	78101163199	25	**141.24**
B1548S	3"	3"	3.250	3.500	400 Lbs.	78101163205	25	**179.87**
B1556S	3 1/2"	3 1/2"	3.750	4.000	400 Lbs.	78101163211	10	**210.13**
B1564S	4"	4"	4.250	4.500	400 Lbs.	78101163215	10	**249.71**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Conduit Hangers

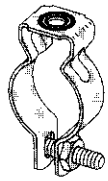


FEATURES

- For use with 1/2" thru 4" Conduit.
- Easily installed for both vertical and horizontal applications.
- Finish: Zinc-Plated
- Conduit Hangers also available in Type 304 Stainless Steel. Contact factory for details.
- Static Load Capacity: 400 lbs.

With Bolt And Thread Impression

PART NUMBER	TRADE SIZE	CONDUIT SIZE RIGID	CONDUIT SIZE EMT	UPC NO.	BOX QTY.	PRICE PER 100
BL1400*	0	1/2"	1/2"	781011 19800	100	**21.15**
BL1410*	1	3/4"	3/4"	781011 19801	100	**24.45**
BL1420*	2	1"	1"	781011 19802	100	**32.25**

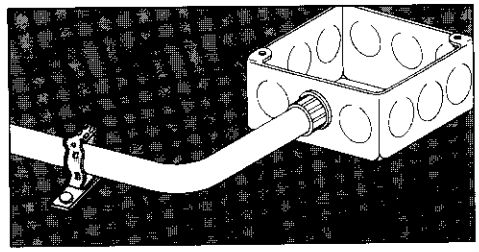


With Bolt & Nut

PART NUMBER	TRADE SIZE	CONDUIT SIZE RIGID	CONDUIT SIZE EMT	UPC NO.	BOX QTY.	PRICE PER 100
BL1425*	2.5	--	1 1/4"	781011 19803	100	**37.43**
BL1430*	3	1 1/4"	1 1/2"	781011 19804	100	**37.43**
BL1440†	4	1 1/2"	--	781011 19805	50	**45.81**
BL1450†	5	2"	2"	781011 19806	50	**59.10**
BL1460†	6	2 1/2"	2 1/2"	781011 19807	25	**66.75**
BL1470†	7	3"	3"	781011 19808	25	**83.97**
BL1480†	8	3 1/2"	3 1/2"	781011 19809	10	**101.14**
BL1490†	9	4"	4"	781011 19810	10	**148.52**

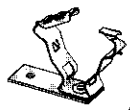
* 9/32" mounting hole. † 11/32" mounting hole.

Conduit Spacer Brackets

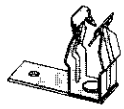


FEATURES

- Eliminates the need for offset bends when used with 1 1/2" deep boxes.
- Attaches conduit to concrete, steel or wood with nails.
- May be attached after conduit positioning.



BG

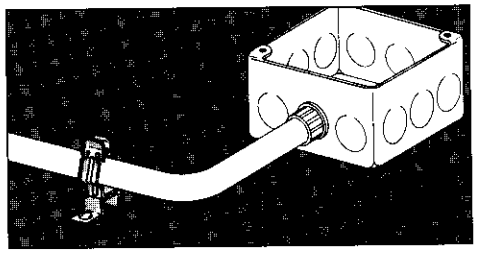


BP

PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-D3	1/2" or 3/4"	781011 18495	100	**62.04**
BP-8-D3	1/2" EMT	781011 19265	100	**65.40**
BP-12-D3	3/4" EMT, 1/2" IMC, Rigid	781011 19365	100	**67.05**

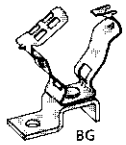
Patent #4958792

Conduit Spacer Brackets

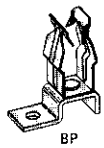


FEATURES

- Eliminates the need for offset bends when used with 2 1/8" deep boxes.
- Provides secure support between conduit and deck.
- D4 Series is easily installed with screw gun or powder actuated tools.
- Allows for complete conduit layout prior to anchoring.



BG



BP

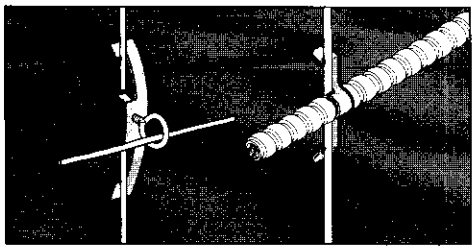
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-D4	1/2" or 3/4"	781011 18500	100	**69.50**
BP-8-D4	1/2" EMT	781011 19270	100	**70.52**
BP-12-D4	3/4" EMT, 1/2" IMC, Rigid	781011 19370	100	**71.38**
BP-16-D4	1" EMT, 3/4" IMC, Rigid	781011 19460	100	**73.54**

Patent #4958792

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

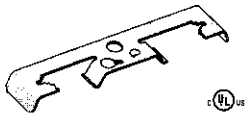
B-Line

Rod & Wire Fasteners



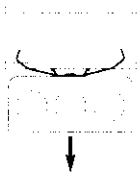
FEATURES

- BW2 and BW6 support #10-24 or 1/4"-20 threaded bridle rings and provide easy attachment of electrical boxes.
- BW4 supports cable from #12 thru #8 wire in vertical or horizontal positions.

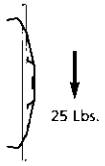


PART NUMBER	WIRE SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BW2	#12 - 1/4" Plain Rod	1/8" - 3/8"	781011 19700	100	**22.31**
BW6	3/8" Plain or Threaded Rod	3/8" - 7/16"	781011 95516	100	**22.14**

Static Load Capacity



Static Load Capacity

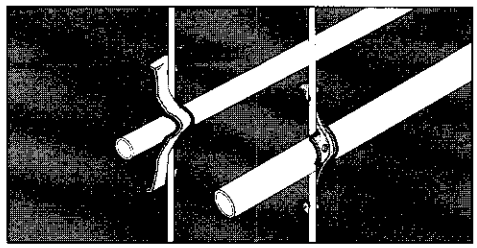


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BW4	Multi-size Wire Fastener	781011 19705	100	**23.62**

Cable Size	#12 Wire	#10 Wire	#8 & #9 Wire
14-2 Cable	BW4	BW4	BW4
14-3 Cable	BW4	BW4	BW4
12-2 Cable	BW4	BW4	BW4
12-3 Cable	BW4	BW-8	BW-8

These products are designed for positioning only. No load rating.

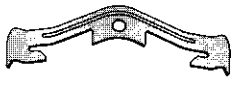
Rod & Wire Fasteners



FEATURES

- Attaches conduit to rods or flanges.
- Can be used for flexible metallic tubing, armored cable, portable cable, control cable, and communication cable.

PART NUMBER	UPC NO.	BOX QTY.	PRICE PER 100
BW-8	781011 19710	100	**20.89**
BW-12	781011 19715	100	**22.71**



PART NUMBER	UPC NO.	BOX QTY.	PRICE PER 100
BW-16	781011 19720	100	**27.50**
BW-20	781011 19725	100	**40.18**

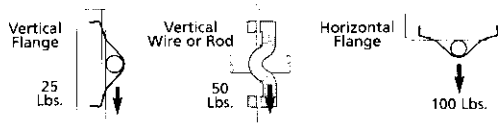
Conduit Size	#10 & #12 Wire	#8 & #9 Wire	3/16" & 1/4" Rod
1/2" EMT	BW-8	BW-8	BW-8
1/2" RIGID	BW-8	BW-12	BW-12
3/4" EMT	BW-12	BW-12	BW-12
3/4" RIGID	BW-12	BW-12	BW-16
1" EMT	---	BW-16	BW-16
1" RIGID	---	---	---
1 1/4" EMT	---	BW-20	BW-20

*Note: For horizontal applications only.

Conduit Size	1/8" to 1/4" Flange	5/16" to 3/8" Flange	7/16" to 1/2" Flange
1/2" EMT	BW-8	BW-12	BW-12
1/2" RIGID	BW-12	BW-12	BW-16
3/4" EMT	BW-12	BW-16	BW-16
3/4" RIGID	BW-16	BW-20*	BW-20*
1" EMT	BW-16	BW-20*	BW-20*
1" RIGID	BW-20*	BW-20*	BW-20*
1 1/4" EMT	BW-20	---	---

*Note: For horizontal applications only.

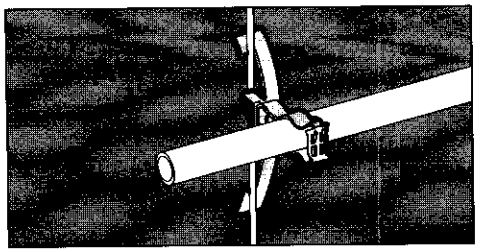
Static Load Capacity



B-Line

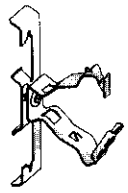
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Conduit To Rod Fasteners



FEATURES

- Assemblies support 1/2", 3/4" and 1" conduit.
- W2 series attaches to 1/8" thru 3/8" flanges or #12 wire thru 1/4" plain rod.
- W6 series attaches to 3/8" thru 7/16" flanges or 3/8" plain or threaded rod.

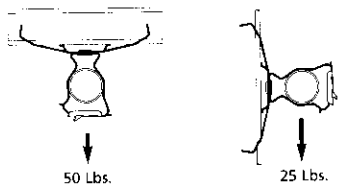


Guide-Rite® Fastener

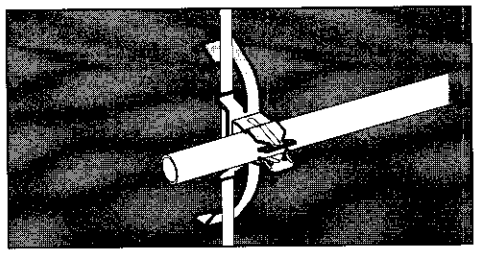
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-W2	1/2", 3/4"	781011 18540	100	**61.24**
BG-16-W2	1"	781011 18640	100	**69.16**
BG-8-12-W6	1/2", 3/4"	781011 95519	100	**59.26**
BG-16-W6	1"	781011 95520	100	**66.77**

Patent #4958792

Static Load Capacity

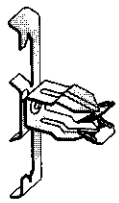


Conduit To Rod Fasteners



FEATURES

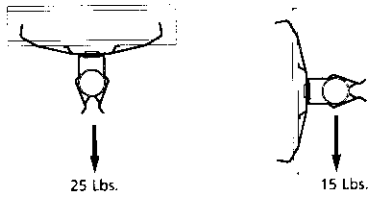
- Assemblies support 1/2", 3/4" and 1" conduit.
- W2 series attaches to 1/8" thru 3/8" flanges or #12 wire thru 1/4" plain rod.
- W6 series attaches to 3/8" thru 7/16" flanges or 3/8" plain or threaded rod.



Push-Type Fastener

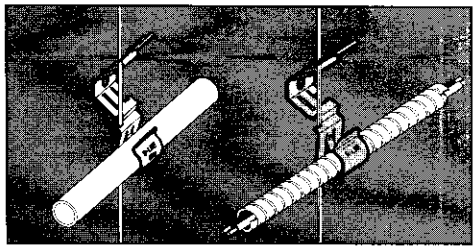
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-W2	1/2" EMT	781011 19325	100	**60.45**
BP-12-W2	3/4" EMT, 1/2" IMC, Rigid	781011 19420	100	**63.13**
BP-16-W2	1" EMT, 3/4" IMC, Rigid	781011 19505	100	**67.05**
BP-8-W6	1/2" EMT	781011 95521	100	**58.35**
BP-12-W6	3/4" EMT, 1/2" IMC, Rigid	781011 95522	100	**60.96**
BP-16-W6	1" EMT, 3/4" IMC, Rigid	781011 95523	100	**64.83**

Ultimate Static Load Capacity



Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

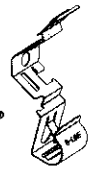
Cable/Conduit To Wire Fasteners



FEATURES

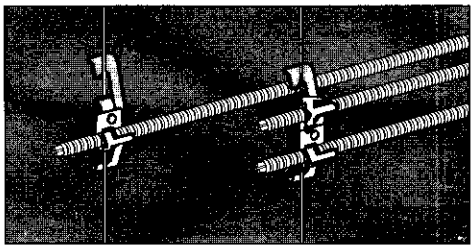
- Will not bend or deform hanger wire.
- Attaches to #12, #10, #9, #8 hanger wire and 1/4" plain rod.
- Accommodates MC, AC, 3/8" flex conduit (BX) or 1/2" EMT.
- Cable can be snapped into fastener before or after attachment to drop wire.
- Static Load Capacity:
  BX-8 - 20 Lbs.
  BX-18 - 30 Lbs.

Flex-Rite®



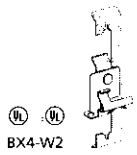
PART NUMBER	CABLE/CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BX-8	.375" to .706" O.D.	78101101402	100	**26.46**
BX-18	.706" to 1.380" O.D.	78101102943	100	**28.28**
BX-8B	Bulk Packed in Fiber Barrels	78101101685	4000	**24.19**

Cable To Rod Fasteners

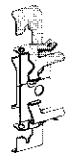


FEATURES

- Assemblies support single or double runs of MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX).
- W2 series attaches to 1/8" thru 3/8" flanges or #12, #10, #9, #8 hanger wire and 1/4" plain rod.
- W6 series attaches to 3/8" thru 7/16" flanges or 3/8" plain or threaded rod.



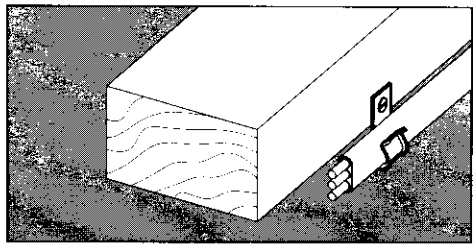
BX4-W2



BX4M-W2

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4-W2	Single Runs	78101101219	100	**51.51**
BX4M-W2	Double Runs	78101101189	100	**58.40**
BX4-W6	Single Runs	78101195517	100	**51.51**
BX4M-W6	Double Runs	78101195518	100	**58.40**

Cable Fasteners

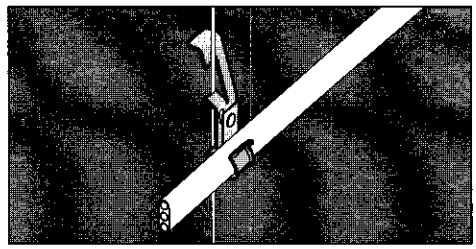


FEATURES

- Attaches Type NM cable to most structures.
- Supports cable sizes #14-2 and #12-2 with ground wire.
- May be used with other B-Line fasteners for attachment to acoustical tees, beams, drop wires, etc.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BRC3	Type NM Cable Fastener	78101103553	100	**16.11**

Cable Fasteners



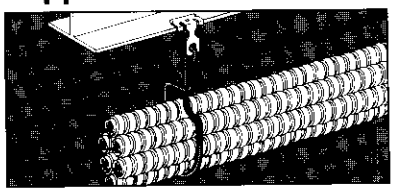
FEATURES

- Supports cable sizes #14-2 and #12-2 with ground wire.
- W2 series supports cable from #12 wire thru 1/4" plain rod.
- W6 series supports cable from 3/8" plain or threaded rod.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BRC3-W2	Type NM Cable To Wire Fastener	78101103547	100	**50.37**
BRC3-W6	Type NM Cable To Wire Fastener	78101195524	100	**50.37**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Flexible Cable Support

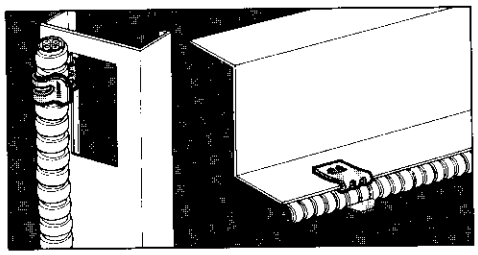


FEATURES

- Designed to support multiple runs of MC, AC, flexible conduit (BX) or communication cable.
- BX2 -- New smaller size.
- Can be used with beam clamps, hangers or flange clips BC1, BH7, BH8, BF3 and BF4.
- Static Load Capacity:
  BX2 - 50 lbs.
  BX6 & BX24 - 75 Lbs.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX2	Usable Area = 2 sq. in.	781011 04934	100	**22.54**
BX6	Usable Area = 4 sq. in.	781011 19765	100	**31.94**
BX24	Usable Area = 13 sq. in.	781011 19766	100	**65.23**

Flexible Conduit/ Cable Fasteners

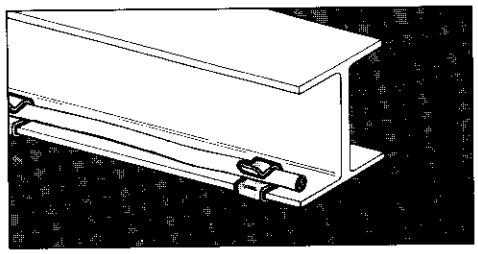


FEATURES

- Fastens flexible conduit and other small cables to beam flanges, bar joists or metal studs.
- Cable O.D. range of 0.42" to 0.70".
- Maximum flange thickness 5/32".

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX9	Flexible Conduit Fastener	781011 19770	100	**36.65**

Flexible Conduit/ Cable Fasteners



FEATURES

- Supports cable or flexible conduit along flanges 1/16" to 3/4" thick.
- Accepts cable or conduit from .225 to 1.181 inches in diameter.
- The BFA series flange adaptors allow BXS series to be attached to thicker flanges.
- Easy installation with no tools required.

BX Series Zinc-Plated Finish

PART NUMBER	FLANGE THICKNESS	CABLE DIAMETER	ROMEX WIRE W/GROUND	UPC NO.	BOX QTY.	PRICE PER 100
BXS-67	1/16" to 5/32"	.225 to .276	14-2,12-2,10-2	781011 19973	100	**23.23**
BXS-89	1/16" to 5/32"	.290 to .354	--	781011 19974	100	**24.02**
BXS-1011	1/16" to 5/32"	.393 to .433	14-3,12-3	781011 19975	100	**24.82**
BXS-1214	1/16" to 5/32"	.440 to .551	10-3	781011 19976	100	**25.50**
BXS-1519	1/16" to 5/32"	.570 to .709	--	781011 19977	100	**27.21**
BXS-2024	1/16" to 5/32"	.748 to .945	--	781011 19978	100	**29.09**
BXS-2530	1/16" to 5/32"	.984 to 1.181	--	781011 19979	100	**32.96**
BXM-67	5/32" to 9/32"	.225 to .276	14-2,12-2,10-2	781011 19980	100	**23.23**
BXM-89	5/32" to 9/32"	.290 to .354	--	781011 19981	100	**24.02**
BXM-1011	5/32" to 9/32"	.393 to .433	14-3,12-3	781011 19982	100	**24.82**
BXM-1214	5/32" to 9/32"	.440 to .551	10-3	781011 19983	100	**25.50**
BXM-1519	5/32" to 9/32"	.570 to .709	--	781011 19984	100	**27.21**
BXM-2024	5/32" to 9/32"	.748 to .945	--	781011 19985	100	**29.09**
BXM-2530	5/32" to 9/32"	.984 to 1.181	--	781011 19986	100	**32.96**
BXL-67	5/16" to 1/2"	.225 to .276	14-2,12-2,10-2	781011 19987	100	**23.23**
BXL-89	5/16" to 1/2"	.290 to .354	--	781011 19988	100	**24.02**
BXL-1011	5/16" to 1/2"	.393 to .433	14-3,12-3	781011 19989	100	**24.82**
BXL-1214	5/16" to 1/2"	.440 to .551	10-3	781011 19990	100	**25.50**
BXL-1519	5/16" to 1/2"	.570 to .709	--	781011 19991	100	**27.21**
BXL-2024	5/16" to 1/2"	.748 to .945	--	781011 19992	100	**29.09**
BXL-2530	5/16" to 1/2"	.984 to 1.181	--	781011 19993	100	**32.96**

BFA Series (For Use with BXS Series Only) Zinc-Plated Finish

PART NUMBER	FLANGE THICKNESS	CABLE DIAMETER	ROMEX WIRE W/GROUND	UPC NO.	BOX QTY.	PRICE PER 100
BFA-1215	1/2" to 5/8"	---	--	781011 19955	100	**50.09**
BFA-1520	5/8" to 3/4"	---	--	781011 19956	100	**50.09**

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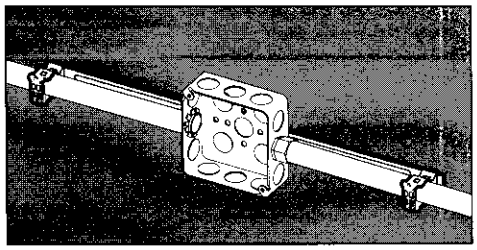
Prices are subject to change without notice.

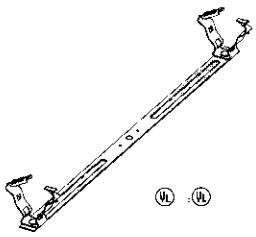
B-Line

Conduit & Box Support Fasteners



FEATURES

- Secures conduit and electrical boxes to most structures.
- Provides support for conduit on either side of electrical box.
- Static load capacity: 25 lbs.
- Complies with NEC Article 300-11 and 348-13.

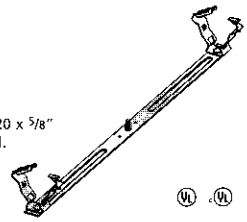


PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-S18	3/8"	78101103575	25	**174.74**
BG-8-12-S18	1/2", 3/4"	78101103573	25	**215.28**
BG-16-S18	1"	78101103574	25	**221.70**

Patent #4958792

NEW

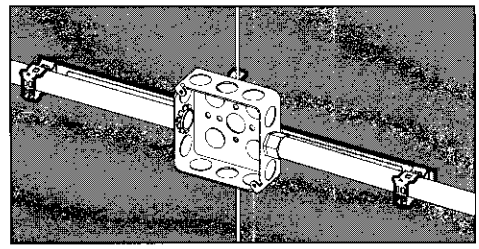
With 1/4"-20 x 5/8" stud.



PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-S18-S	1/2", 3/4"	78101104979	25	**246.29**

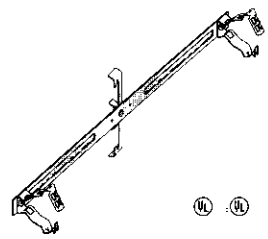
Patent #4958792

Conduit & Box Support Fasteners



FEATURES

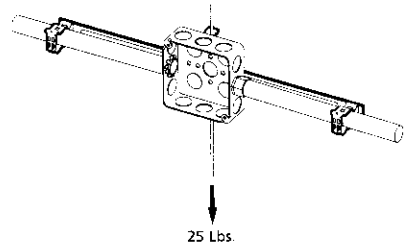
- Secures conduit and electrical boxes to drop wires.
- Provides support for conduit on either side of electrical box.
- W2 series attaches to 1/8" thru 3/8" flanges or #12, #10, #9, #8 hanger wire and 1/4" plain rod.
- W6 series attaches to 3/8" thru 7/16" flanges or 3/8" plain or threaded rod.
- Complies with NEC Article 300-11 and 348-13.



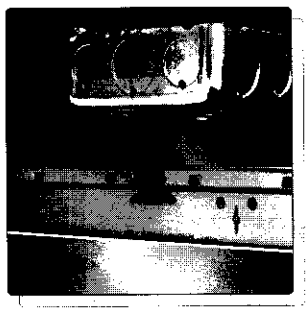
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-S18-W2	3/8"	78101103578	25	**248.17**
BG-8-12-S18-W2	1/2", 3/4"	78101103576	25	**246.13**
BG-16-S18-W2	1"	78101103577	25	**252.61**
BG-6-S18-W6	3/8"	78101199581	25	**248.17**
BG-8-12-S18-W6	1/2", 3/4"	78101199582	25	**246.86**
BG-16-S18-W6	1"	78101199580	25	**253.36**

Patent #4958792

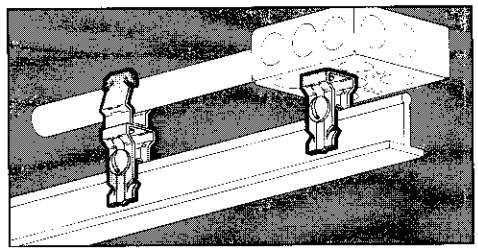
Static Load Capacity



Acoustical Tee



T-Bar Support Fasteners

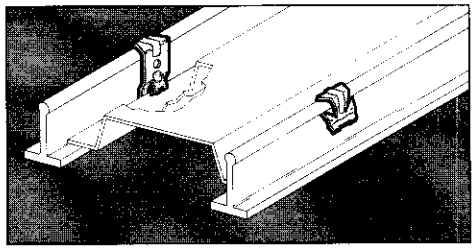


FEATURES

- Attaches to top of acoustical T-Bar with 1/4"-20 screw.
- Has 1/4"-20 thread impression for attachment to outlet box or conduit fastener.
- **Warning:** Do not use for hanging acoustical tee.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA14	T-Bar Support Clip	781011 18090	100	**33.98**

Troffer Fasteners



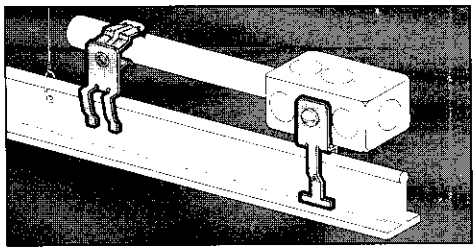
FEATURES

- Gives positive support for troffers and lay-in fixtures.
- Complies with NEC Article 410-16(c) for fixtures supported by suspended ceilings.
- Fits round or rectangular head T-Bars.
- No installation tools required.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA15	For Straight Lip or Upturned Lip Fixtures	781011 18095	100	**23.16**

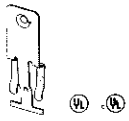
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Side Mount T-Bar Fasteners



FEATURES

- A positive method for supporting vertical boxes or conduit above T-Bar.
- Allows conduit to clear drop wires.
- Accommodates 3/8" to 1" conduit.
- **Warning:** Do not use for hanging acoustical tee.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA5-4T	With 1/4"-20 Thread Impression	781011 18120	100	**30.62**

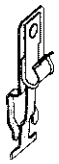
Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-A5	3/8"	781011 18410	100	**74.46**
BG-8-12-A5	1/2", 3/4"	781011 18465	100	**65.68**
BG-16-A5	1"	781011 18545	100	**73.60**

Patent #4958792

Push-Type Fastener

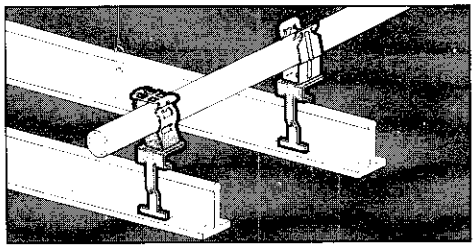
PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-A5	1/2" EMT	781011 19235	100	**63.24**
BP-12-A5	3/4" EMT, 1/2" IMC, Rigid	781011 19335	100	**65.52**
BP-16-A5	1" EMT, 3/4" IMC, Rigid	781011 19430	100	**71.78**



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BRC3-A5	Supports Romex® Sizes #14-2 w/g and #12-2 w/g to T-Bar	781011 03548	100	**55.90**

Romex® is a trademark used by General Cable Corp.

Top Mount T-Bar Fasteners

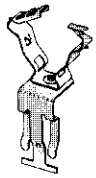


FEATURES

- A positive method for supporting horizontal boxes or conduit above T-Bar.
- Allows conduit to clear drop wires.
- Accommodates 3/8" to 1" conduit.
- **Warning:** Do not use for hanging acoustical tee.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA6-4T	With 1/4"-20 Thread Impression	781011 18125	100	**30.62**

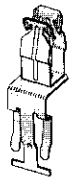
Guide-Rite® Fastener



PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-A6	3/8"	781011 88540	100	**74.46**
BG-8-12-A6	1/2", 3/4"	781011 18470	100	**65.68**
BG-16-A6	1"	781011 18550	100	**73.60**

Patent #4958792

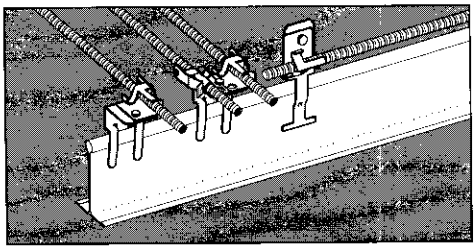
Push-Type Fastener



PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-A6	1/2" EMT	781011 19240	100	**63.24**
BP-12-A6	3/4" EMT, 1/2" IMC, Rigid	781011 19340	100	**65.52**
BP-16-A6	1" EMT, 3/4" IMC, Rigid	781011 19435	100	**71.78**

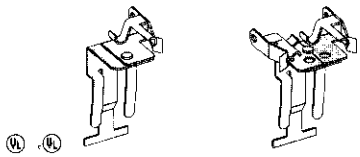
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Top Mount T-Bar Fasteners



FEATURES

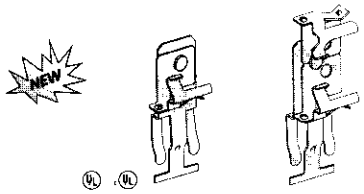
- A positive method for supporting cable or flexible conduit above T-Bar.
- Assemblies support single or double runs of MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX).
- No tools required for installation.



BX4-A6 BX4M-A6

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4-A6	Single Runs	781011 01220	100	**50.94**
BX4M-A6	Double Runs	781011 01216	100	**57.56**

Note: Fasteners will rotate 360°.

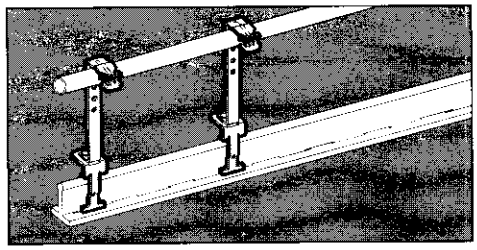


BX4-A5 BX4M-A5

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4-A5	Single Runs	781011 01187	100	**50.94**
BX4M-A5	Double Runs	781011 01212	100	**57.56**

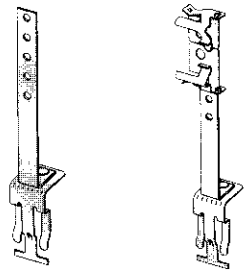
Note: Fasteners will rotate 360°

Support Fasteners



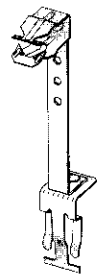
FEATURES

- Support conduit and electrical boxes above T-Bar.
- Height adjusts from 4 1/4" to 7 1/4".
- Conduit fasteners can be attached at 3/4" increments.
- BX4M-A28 supports double runs of cable or flexible conduit above T-Bar.
- No tools required for installation.



BA28 BX4M-A28

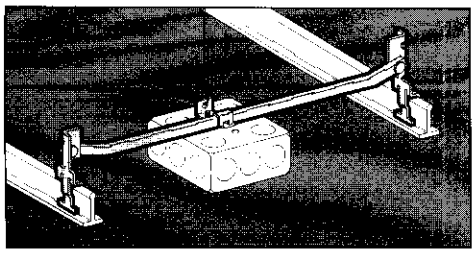
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA28	1/4" Holes Allow for Adjustment Between 4 1/4" and 7 1/4" at 3/4" Increments.	781011 18115	50	**103.94**
BX4M-A28	Double Runs MC, AC or BX.	781011 01211	25	**133.31**



PART NUMBER	CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-A28	1/2" EMT	781011 19230	25	**144.52**
BP-12-A28	3/4" EMT, 1/2" IMC, Rigid	781011 19330	25	**147.42**
BP-16-A28	1" EMT, 3/4" IMC, Rigid	781011 19425	25	**151.12**

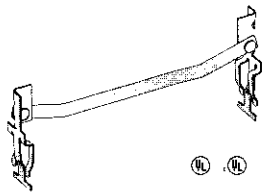
Note: Adjustable BP Conduit Fastener is attached with screw in 7 1/4" top hole position. Riveted assemblies available. (Contact Factory.)

Electrical Box T-Bar Fasteners



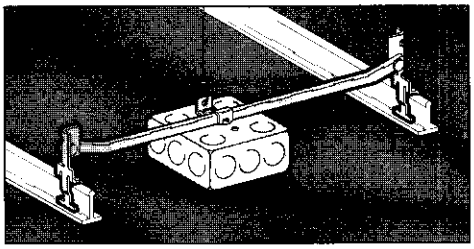
FEATURES

- Supports 4" octagonal or square boxes.
- Allows for flush mounting or 3/4" offset for plaster ring.
- One BB27 box mounting clip with screw is included with each hanger.
- Loading not to exceed 20 lbs. without independent support. If desired, attach dropwire to BB27 Box Mounting Clip.
- **Warning:** Do not use for hanging acoustical tee.



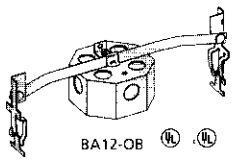
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA12	Box Hanger 24" Span	781011 18080	50	**348.60**
BA12-12	Box Hanger 12" Span	781011 18082	50	**461.06**
BA12-20	Box Hanger 20" Span	781011 18085	50	**461.06**
BA12-30	Box Hanger 30" Span	781011 18087	50	**461.29**

Electrical Box T-Bar Fasteners

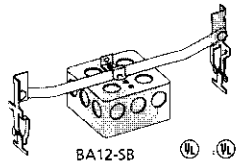


FEATURES

- 4" Electrical box preassembled on centerline of BA12 T-Bar fastener for 24" spans.
- Preassembled design speeds installation.
- Boxes have 1/2" and 3/4" knockouts.
- Loading not to exceed 20 lbs. without independent support.



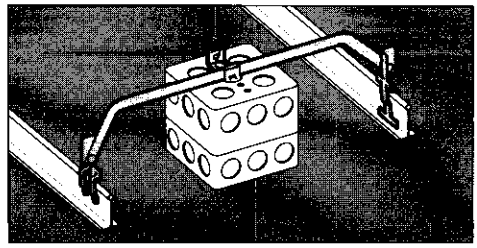
BA12-OB



BA12-SB

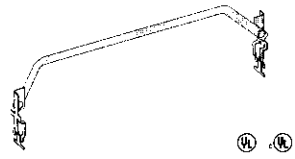
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA12-OB-24	1 1/2" Deep Box to T-Bar Fastener	781011 03619	10	**521.56**
BA12-OB-34	2 1/8" Deep Box to T-Bar Fastener	781011 03622	10	**567.15**
BA12-SB-24	1 1/2" Deep Box to T-Bar Fastener	781011 03621	10	**493.39**

Electrical Box T-Bar Fasteners

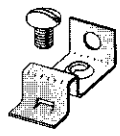


FEATURES

- Ideal for fire alarm speaker installations and many other deep box applications.
- Box mounts flush with finished side of ceiling tile.
- One BB27 box mounting clip with screw is included with each hanger.
- Loading not to exceed 20 lbs. without independent support. If desired, attach dropwire to BB27 Box Mounting Clip.
- **Warning:** Do not use for hanging acoustical tee.



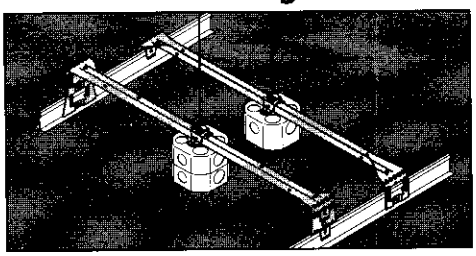
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA13	Box Hanger 2 1/8" Box with 1 1/2" Extension 24" Span	781011 18089	25	**596.13**
BA13-4 1/4	Box Hanger 2 1/8" Box with 2 1/8" Extension 24" Span	781011 01660	25	**596.13**



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB27	Box Mounting Clip (with Screw)	781011 18170	100	**22.37**
SRHMS 1/4x3/8	1/4"-20 x 3/8" Slotted Round Head Machine Screw	781011 01673	100	**5.92**

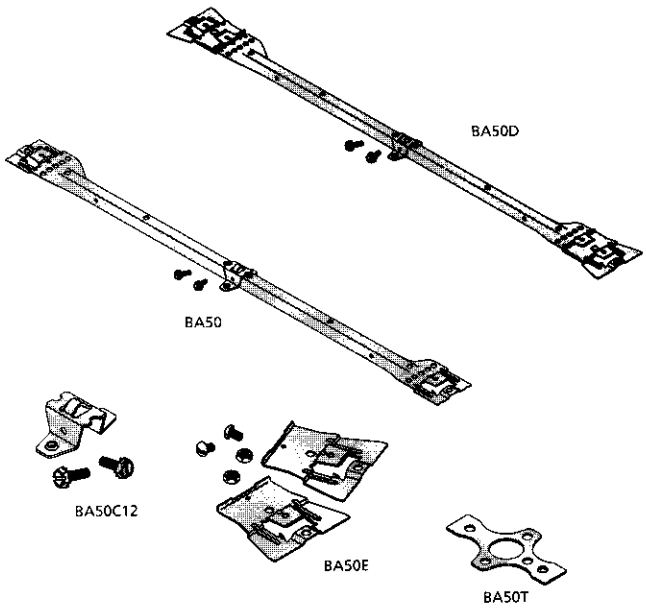
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Heavy Duty Electrical Box Hanger



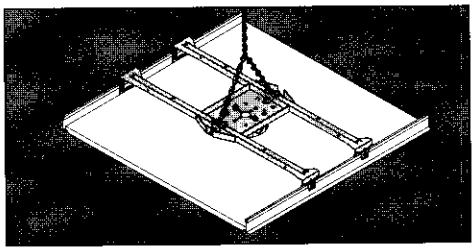
FEATURES

- Supports 4" or 4 11/16" octagonal or square boxes.
- Bendable ends enable mounting of 1 1/2" or 2 1/8" deep boxes in an instant. No tools or cutting is required to adjust bar.
- Self-centering feature positions electrical box on center without measuring.
- Independent support wire can be attached to clip and/or bar for extra stability. Can easily be screwed to T-bar for fixing location.
- Accessories available:
  - Box mounting clip for multiple box installation
  - Extender brackets for box installation with 1 1/2" extension ring
  - Spacer shims for fine adjustment of box position on unique applications



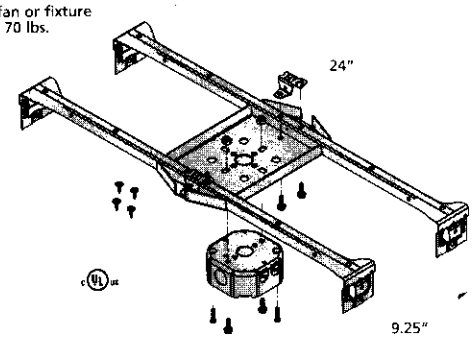
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA50	Box Hanger for 1 1/2" or 2 1/8" deep boxes - 24" span	781011 96490	25	**316.47**
BA50D	Box Hanger for 1 1/2" or 2 1/8" deep boxes with 1 1/2" extension ring - 24" span	781011 96491	25	**444.00**
BA50C12	Box Mounting Clip with hardware	781011 96488	25	**22.37**
BA50E	Extender Brackets (10 pair)	781011 96489	20	**143.00**
BA50T	Spacer Shims	781011 96565	50	**17.55**

RediMount™ Fan Hanger



FEATURES

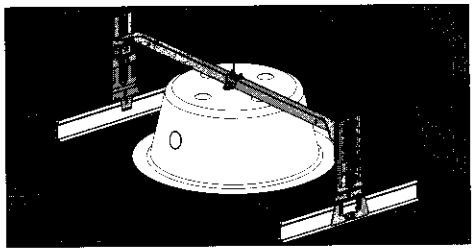
- Positions and secures ceiling fans and light fixtures in suspended ceilings.
- Preassembled fan/fixture hanger installs on T-Bar in less than 30 seconds.
- Independent support wire/chain attaches to clip for easy installation.
- Can be screwed to T-Bar for fixing location.
- Recommended for use in seismic areas.
- UL Listed for fan or fixture support up to 70 lbs.

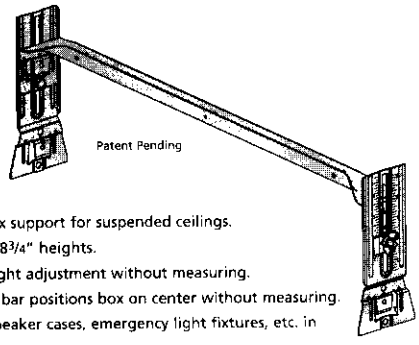


Patent Pending

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER EACH
BA50F	Fan/Fixture Hanger includes 4" x 1 1/2" deep octagon box	781011 96492	1	**17.76**

Adjustable Box Support





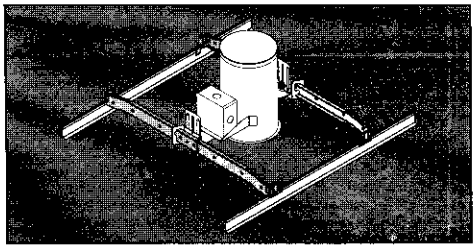
FEATURES

- Heavy-duty adjustable box support for suspended ceilings.
- Adjustable from 1 1/2" to 8 3/4" heights.
- Integral ruler enables height adjustment without measuring.
- Self-centering feature on bar positions box on center without measuring.
- Ideal for installation of speaker cases, emergency light fixtures, etc. in suspended ceilings.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA50A	Adj. Box Support	782051 18460	10	**596.13**

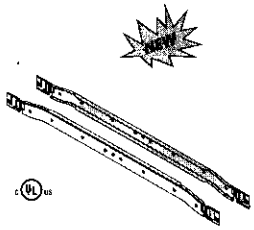
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

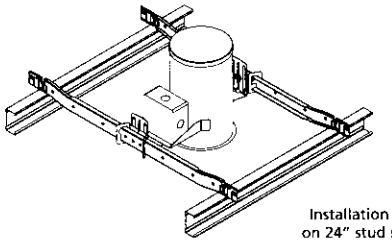
QuikFix™ Fastening System



FEATURES

- Installs specification grade down lights in a fraction of the time required for traditional supports.
- Bars are pre-sized for 24" T-Bar spacing. Unique design enables fixture hangers to also be used with 16" or 24" stud spacing in ceiling area.
- Fixtures may be adjusted in both directions for proper alignment.
- Innovative design locks fixture onto T-Bar to prevent lifting or sliding.
- Installs by hand, no tools required.
- Recommended for use in seismic areas.



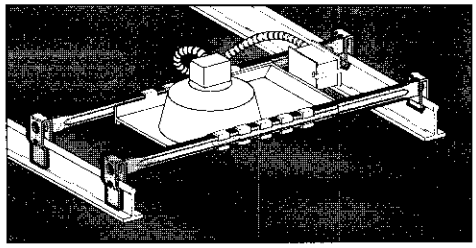


Installation shown on 24" stud spacing.

Patent Pending

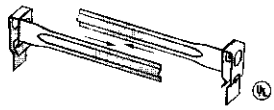
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER PAIR
BA40	Fixture Bar	78101199873	20 pair	**7.80**

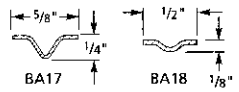
Light Fixture T-Bar Fasteners



FEATURES

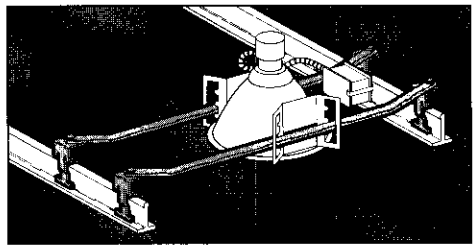
- Adjustable fixture locations.
- Fits horizontal and vertical flanges.
- Adjustable span from 11" to 26".
- No center clips or tools required.
- One set completes one fixture installation (four bars per set).





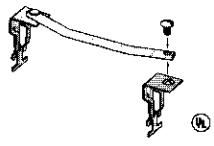
PART NUMBER	"HIGH HAT" FIXTURES	UPC NO.	BOX QTY.	PRICE PER SET
BA17 (Wide Bar)	CAPRI[1] R-9X, R-10C CAPRI[1] R-10X, PR-751CX HALO®[2] H7, HALO®[2] H17 JUNO®[3] AP, APT JUNO®[3] IC, ICT,J,SC,TC THOMAS®[4] RI-IC	78101118100	10 Sets	**4.50**
BA18 (Narrow Bar)	CAPRI[1] HSG LIGHTOLIER®[5] 711	78101118105	10 Sets	**4.50**

Light Fixture T-Bar Fasteners



FEATURES

- Fixture position is adjustable within the span of the hanger.
- Fixed span of 24 inches for T-Bar applications.
- Requires only a screwdriver to install.
- Reduces installation time.
- One set completes one fixture installation (two bars per set).

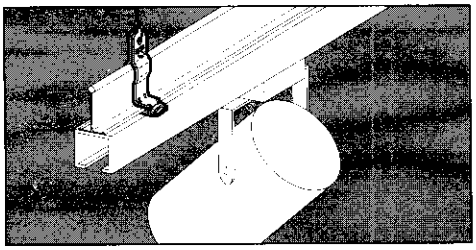


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER SET
BA20	Fits LIGHTOLIER®[5] CALCULITE®[5] Series Fixtures	78101118110	10 Sets	**6.71**

1.CAPRI is a mark used by Thomas Industries, Inc., Louisville, Kentucky.
2.HALO® is the registered trademark of Cooper Industries, Elk Grove, Illinois.
3. JUNO® is the registered trademark of Juno Lighting, Inc., Morton Grove, Illinois.
4.THOMAS® is the registered trademark of Thomas Industries, Inc., Louisville, Kentucky.
5.LIGHTOLIER® and CALCULITE® are the registered trademarks of Lightolier, Inc., Secaucus, New Jersey.

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Suspension Fasteners



FEATURES

- Allows for independent suspension of fixtures.
- Fits most acoustical T-Bars.
- No tools required for installation.
- Static Load Capacity: 65 Lbs.

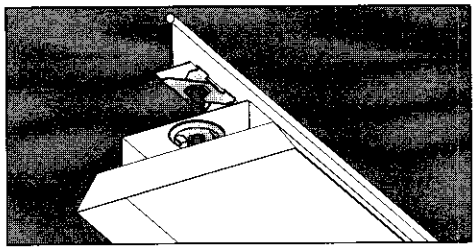
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA1	1/4"-20 x 5/8" Stud Wing Nut Included	781011 18065	100	**65.63**
BA1-24	1/4"-20 x 1 1/2" Stud Wing Nut Included	781011 18070	100	**77.30**
BA1-32	1/4"-20 x 2" Stud Wing Nut Included	781011 18075	100	**94.20**

BA1-T

BA1-T-BN

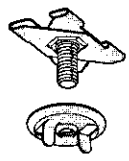
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA1-T	#8-32 x 5/8" Stud Pal Nut Included	781011 02891	100	**67.00**
BA1-T-BN	#8-32 x 5/8" Stud Brass Nut Included	781011 02897	100	**67.00**

T-Bar Scissor Fasteners



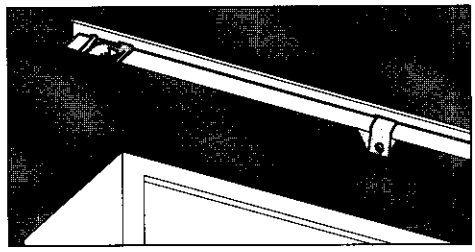
FEATURES

- Supports electrical fixtures from standard 15/16" T-Bars.
- BA-4-WN wing nut included.
- 1/4"-20 stud available in varying lengths.
- Static Load Capacity: 50 Lbs.



PART NUMBER	STUD LENGTH	UPC NO.	BOX QTY.	PRICE PER 100
BAX-4-16	5/8"	781011 04258	100	**51.40**
BAX-4-16-24	1 1/2"	781011 04262	100	**68.87**
BAX-4-16-32	2"	781011 04263	100	**88.11**
BAX-4-16-48	3"	781011 04264	100	**88.11**

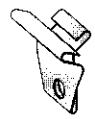
Sign Hangers



FEATURES

- Supports signs from 15/16" T-Bar.
- No special tools required.
- Static Load Capacity: 40 Lbs.

BA-4-16-H



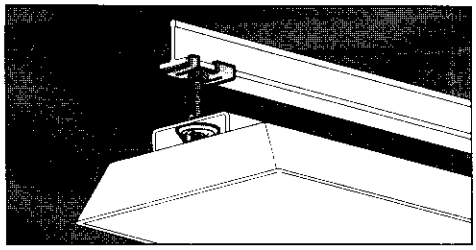
BA-4-16-H1

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA-4-16-H	Sign Hanger with White Finish	781011 18040	100	**40.07**
BA-4-16-H1	Sign Hanger with Zinc Plated Finish	781011 04449	100	**40.07**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

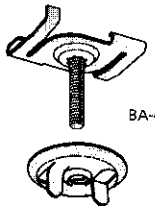
B-Line

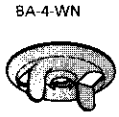
15/16" Twist Fasteners



FEATURES

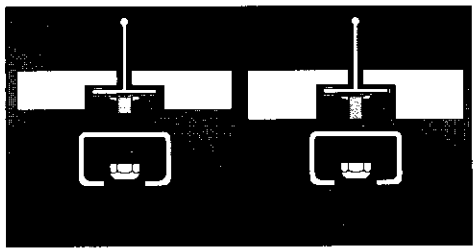
- Supports electrical fixtures from 15/16" T-Bar.
- 1/4"-20 stud available in varying lengths.
- BA-4-WN wing nut with 1/4"-20 thread impression included.
- No special tools required.





PART NUMBER	FINISH	STUD LENGTH	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BA-4-16	Black	5/8"	50 Lbs.	78101118020	100	**48.95**
BA-4-16-W	White	5/8"	50 Lbs.	78101118055	100	**60.96**
BA-4-16-24	White	1 1/2"	50 Lbs.	78101118025	100	**65.68**
BA-4-16-32	White	2"	50 Lbs.	78101118030	100	**83.90**
BA-4-16-48	White	3"	50 Lbs.	78101118035	100	**83.90**
BA-4-WN	Black		100 Lbs.	78101118060	100	**13.67**

T-Bar Spacers

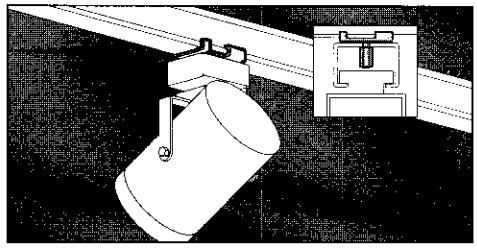


FEATURES

- T-Bar spacer provides flush mounting surface for tegular tile installations.
- Spacer must be used in combination with B-Line's BA-4-16 or BA-2-16 series fasteners.

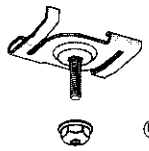
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA-21	1/4"Spacer	78101195575	100	**15.08**
BA-21D	3/8"Spacer	78101199567	100	**17.27**

15/16" Twist Fasteners



FEATURES

- Supports electrical fixtures from 15/16" T-Bar.
- #8-32 stud available in varying lengths.
- No special tools required.
- Static Load Capacity: 25 Lbs.

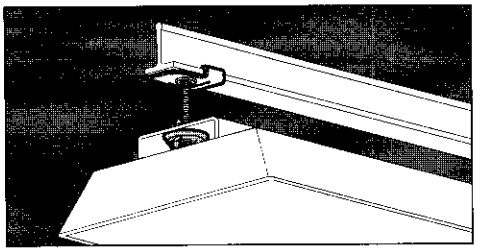


PART NUMBER	FINISH	STUD LENGTH	UPC NO.	BOX QTY.	PRICE PER 100
BA-2-16	Black Pal Nut	5/8"	78101118000	100	**50.37**
BA-2-16-7	Black with Pal Nut	7/16"	78101104259	100	**50.89**
BA-2-16-W	White with Pal Nut	5/8"	78101118010	100	**56.24**
BA-2-16-7-W	White with Pal Nut	7/16"	78101104261	100	**56.24**

PART NUMBER	FINISH	STUD LENGTH	UPC NO.	BOX QTY.	PRICE PER 100
BA-2-16-BN	Black with Brass Nut	5/8"	78101118005	100	**50.37**
BA-2-16-7-BN	Black with Brass Nut	7/16"	78101104260	100	**56.46**
BA-2-16-WBN	White with Brass Nut	5/8"	78101118015	100	**56.24**
BA-2-16-7-WBN	White with Brass Nut	7/16"	78101199566	100	**56.24**

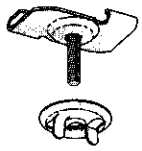
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

9/16" Twist Fasteners



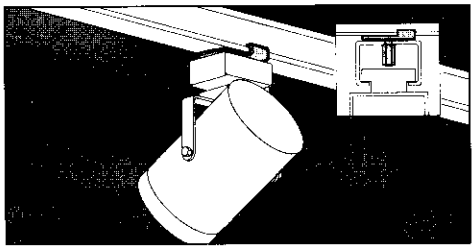
FEATURES

- Supports electrical fixtures from 9/16" T-Bar.
- Stud size: 1/4"-20 x 5/8".
- Varying stud lengths available - contact factory.
- No special tools required.
- Static Load Capacity: 40 Lbs.



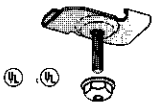
PART NUMBER	FINISH	STUD LENGTH	UPC NO.	BOX QTY.	PRICE PER 100
BA-4-9	Black	5/8"	78101103458	100	**50.37**
BA-4-9-W	White	5/8"	78101103461	100	**53.96**

9/16" Twist Fasteners



FEATURES

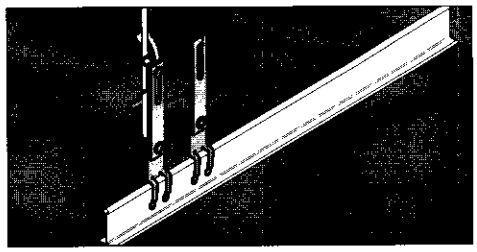
- Supports electrical fixtures and track lighting from 9/16" T-Bar.
- Stud size: #8-32 x length.
- Nut included.
- No special tools required.
- Static Load Capacity: 25 Lbs.



BN Series

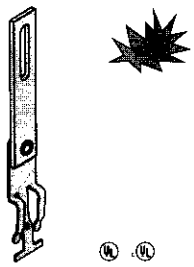
PART NUMBER	FINISH	STUD LENGTH	UPC NO.	BOX QTY.	PRICE PER 100
BA-2-9	Black	5/8"	78101103467	100	**50.37**
BA-2-9-7	Black	7/16"	78101103466	100	**50.37**
BA-2-9-W	White	5/8"	78101103459	100	**53.96**
BA-2-9-BN	Black	5/8"	78101103465	100	**50.37**
BA-2-9-7-BN	Black	7/16"	78101103464	100	**50.37**
BA-2-9-WBN	White	5/8"	78101103460	100	**53.96**

Drop Wire/Rod Securing Clip

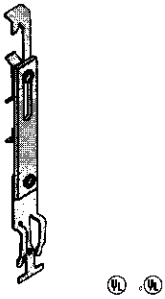


FEATURES

- Secures independent support wires to ceiling grid as required by NEC Article 300-11.
- Slotted design permits adjustment when securing rods.
- Bright yellow color is easily identified by inspectors.
- No tools required.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA311	#12 thru #8 wire	78101199569	100	**59.54**

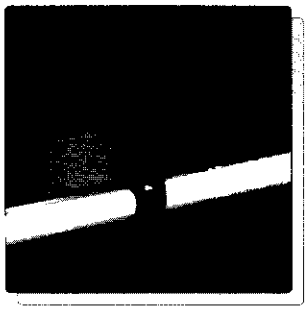


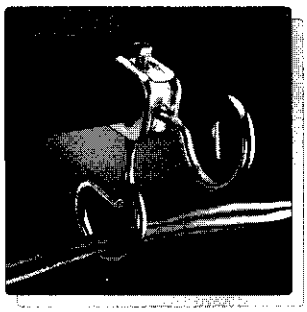
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA311-W2	#12 wire thru 1/4" rod	78101199570	100	**93.18**
BA311-W6	3/8" plain or threaded rod	78101199571	100	**93.75**

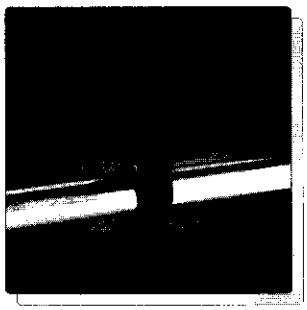
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

B-Line

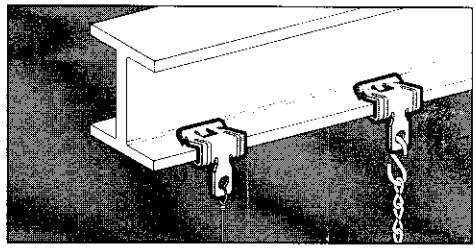
Beams







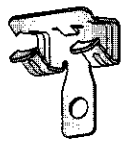
Flange Beam Fasteners



FEATURES

- Permits fast and easy installation on bulb tees and bar joists.
- Clearance hole for 1/4" bolt in tab.
- Simply installed with a hammer.

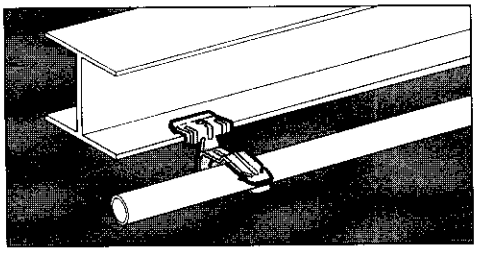
PART NUMBER	FLANGE THICKNESS	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BE-1-2	3/32" to 9/64"	160 Lbs.	781011 18290	100	**26.41**



PART NUMBER	FLANGE THICKNESS	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BE-2-4	1/8" to 1/4"	200 Lbs.	781011 18295	100	**30.00**
BE-5-8	5/16" to 1/2"	200 Lbs.	781011 18300	100	**32.78**
BE-9-12	9/16" to 3/4"	200 Lbs.	781011 18305	100	**48.55**

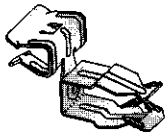
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Conduit To Beam Fasteners



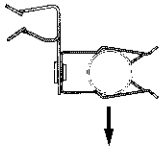
FEATURES

- Push-Type Conduit Fastener supports 1/2" thru 1" EMT; 1/2" and 3/4" IMC or Rigid.
- Fasteners will rotate 360°.
- Simply installed with a hammer.



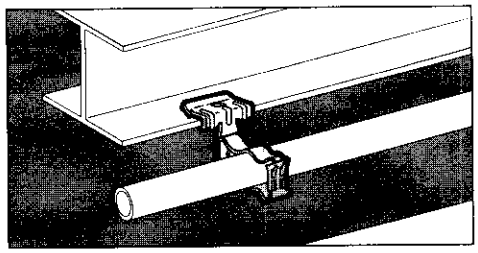
PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-E-2-4	1/2" EMT	1/8" to 1/4"	781011 19275	100	**63.75**
BP-8-E-5-8	1/2" EMT	5/16" to 1/2"	781011 19280	100	**67.05**
BP-8-E-9-12	1/2" EMT	9/16" to 3/4"	781011 19285	100	**86.75**
BP-12-E-2-4	3/4" EMT, 1/2" IMC, Rigid	1/8" to 1/4"	781011 19375	100	**64.43**
BP-12-E-5-8	3/4" EMT, 1/2" IMC, Rigid	5/16" to 1/2"	781011 19380	100	**69.61**
BP-12-E-9-12	3/4" EMT, 1/2" IMC, Rigid	9/16" to 3/4"	781011 19385	50	**90.11**
BP-16-E-2-4	1" EMT, 3/4" IMC, Rigid	1/8" to 1/4"	781011 19465	100	**71.32**
BP-16-E-5-8	1" EMT, 3/4" IMC, Rigid	5/16" to 1/2"	781011 19470	100	**71.32**
BP-16-E-9-12	1" EMT, 3/4" IMC, Rigid	9/16" to 3/4"	781011 19475	50	**90.45**

Ultimate Static Load Capacity



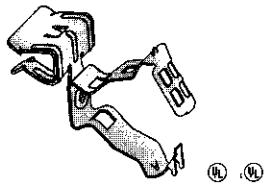
15 Lbs.

Conduit To Beam Fasteners



FEATURES

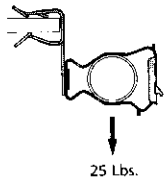
- Supports 3/8" to 2" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation.
- Fasteners will rotate 360°.
- Simply installed with a hammer and pliers.



PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-E-2-4	3/8"	1/8" to 1/4"	781011 18430	100	**76.67**
BG-6-E-5-8	3/8"	5/16" to 1/2"	781011 18435	100	**76.67**
BG-6-E-9-12	3/8"	9/16" to 3/4"	781011 18440	100	**87.09**
BG-8-12-E-2-4	1/2",3/4"	1/8" to 1/4"	781011 18505	100	**60.33**
BG-8-12-E-5-8	1/2",3/4"	5/16" to 1/2"	781011 18510	100	**65.86**
BG-8-12-E-9-12	1/2",3/4"	9/16" to 3/4"	781011 18515	100	**87.20**
BG-16-E-2-4	1"	1/8" to 1/4"	781011 18575	100	**73.48**
BG-16-E-5-8	1"	5/16" to 1/2"	781011 18580	100	**73.48**
BG-16-E-9-12	1"	9/16" to 3/4"	781011 18585	100	**96.87**
BG-20-E-2-4	1 1/4"	1/8" to 1/4"	781011 18660	100	**90.05**
BG-20-E-5-8	1 1/4"	5/16" to 1/2"	781011 18665	100	**90.05**
BG-20-E-9-12	1 1/4"	9/16" to 3/4"	781011 18670	100	**104.96**
BG-24-E-2-4	1 1/2"	1/8" to 1/4"	781011 18705	50	**94.03**
BG-24-E-5-8	1 1/2"	5/16" to 1/2"	781011 18710	50	**94.03**
BG-24-E-9-12	1 1/2"	9/16" to 3/4"	781011 18715	50	**109.45**
BG-32-E-2-4	2"	1/8" to 1/4"	781011 18745	50	**103.14**
BG-32-E-5-8	2"	5/16" to 1/2"	781011 18750	50	**98.35**
BG-32-E-9-12	2"	9/16" to 3/4"	781011 18755	50	**113.22**

Patent #4958792

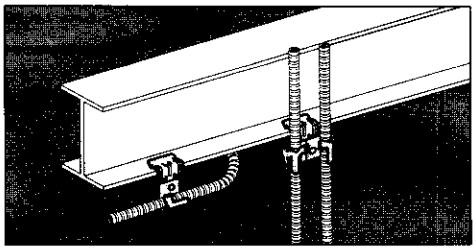
Static Load Capacity



25 Lbs.

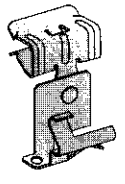
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Cable To Beam Fasteners

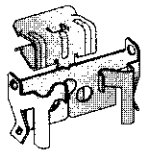


FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges 1/8" to 3/4" thick.
- Fasteners will rotate 360°.
- Simply installed with a hammer.

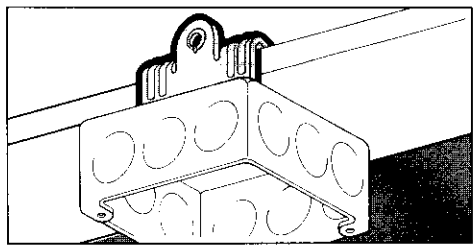


PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BX4-E-2-4	Single Runs	1/8" to 1/4"	781011 01192	100	**55.90**
BX4-E-5-8	Single Runs	5/16" to 1/2"	781011 01193	100	**55.90**
BX4-E-9-12	Single Runs	9/16" to 3/4"	781011 01194	100	**70.41**



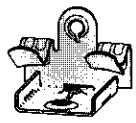
PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BX4M-E-2-4	Double Runs	1/8" to 1/4"	781011 01213	100	**62.67**
BX4M-E-5-8	Double Runs	5/16" to 1/2"	781011 01214	100	**62.67**
BX4M-E-9-12	Double Runs	9/16" to 3/4"	781011 01215	100	**77.24**

Universal Beam Fasteners



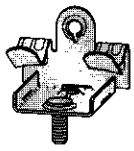
FEATURES

- Suspend boxes or fixtures from beam flanges 1/8" to 3/4" thick.
- Provided with 1/4"-20 thread impression for quick and secure attachment.
- Simply installed with a hammer.

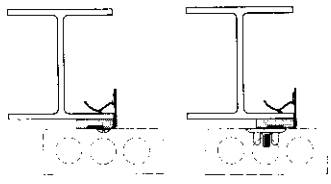


PART NUMBER	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BU-2-4	1/8" to 1/4"	781011 19600	100	**42.63**
BU-5-8	5/16" to 1/2"	781011 19605	100	**45.14**
BU-9-12	9/16" to 3/4"	781011 19610	100	**66.93**

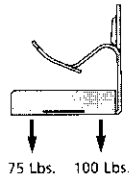
1/4"-20 x 3/8" Staked Stud



PART NUMBER	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BU-2-4-S	1/8" to 1/4"	781011 19615	100	**50.21**
BU-5-8-S	5/16" to 1/2"	781011 19620	100	**55.90**
BU-9-12-S	9/16" to 3/4"	781011 19625	100	**79.12**



Static Load Capacity



Note: Indicated loads are static load capacity and should not be combined.

B-Line®

Read safety/installation instruction sheets in packages before use.
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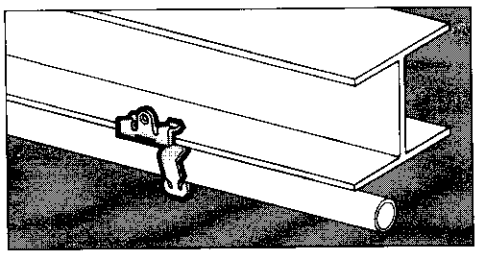
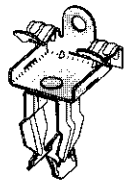
Conduit To Beam Fasteners



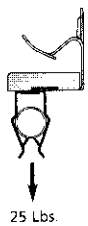
FEATURES

- Push-Type Conduit Fastener supports 1/2" thru 1" EMT; 1/2"and 3/4" IMC or Rigid.
- Fasteners will rotate 360°.
- Simply installed with a hammer.



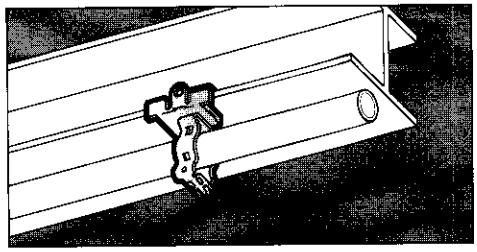
PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-U-2-4	1/2" EMT	1/8" to 1/4"	781011 19310	100	**78.49**
BP-8-U-5-8	1/2" EMT	5/16" to 1/2"	781011 19315	100	**82.47**
BP-8-U-9-12	1/2" EMT	9/16" to 3/4"	781011 19320	100	**99.05**
BP-12-U-2-4	3/4" EMT, 1/2" IMC, Rigid	1/8" to 1/4"	781011 19405	100	**80.71**
BP-12-U-5-8	3/4" EMT, 1/2" IMC, Rigid	5/16" to 1/2"	781011 19410	100	**87.26**
BP-12-U-9-12	3/4" EMT, 1/2" IMC, Rigid	9/16" to 3/4"	781011 19415	100	**106.67**
BP-16-U-2-4	1" EMT, 3/4" IMC, Rigid	1/8" to 1/4"	781011 19490	100	**88.91**
BP-16-U-5-8	1" EMT, 3/4" IMC, Rigid	5/16" to 1/2"	781011 19495	100	**88.91**
BP-16-U-9-12	1" EMT, 3/4" IMC, Rigid	9/16" to 3/4"	781011 19500	50	**106.38**

Ultimate Static Load Capacity



25 Lbs.

Conduit To Beam Fasteners



FEATURES

- Supports 3/8" to 2" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation.
- Fasteners will rotate 360°.
- Simply installed with a hammer and pliers.

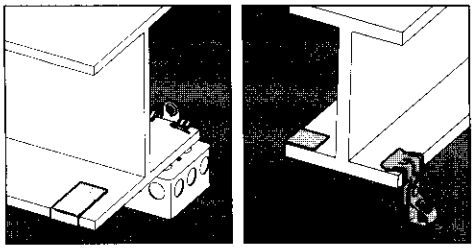
PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-U-2-4	3/8"	1/8" to 1/4"	781011 18450	100	**95.80**
BG-6-U-5-8	3/8"	5/16" to 1/2"	781011 18455	100	**95.80**
BG-6-U-9-12	3/8"	9/16" to 3/4"	781011 18460	100	**104.05**
BG-8-12-U-2-4	1/2",3/4"	1/8" to 1/4"	781011 18525	100	**75.76**
BG-8-12-U-5-8	1/2",3/4"	5/16" to 1/2"	781011 18530	100	**82.65**
BG-8-12-U-9-12	1/2",3/4"	9/16" to 3/4"	781011 18535	100	**99.78**
BG-16-U-2-4	1"	1/8" to 1/4"	781011 18625	100	**90.56**
BG-16-U-5-8	1"	5/16" to 1/2"	781011 18630	100	**90.56**
BG-16-U-9-12	1"	9/16" to 3/4"	781011 18635	50	**113.61**
BG-20-U-2-4	1 1/4"	1/8" to 1/4"	781011 18680	50	**108.15**
BG-20-U-5-8	1 1/4"	5/16" to 1/2"	781011 18685	50	**108.15**
BG-20-U-9-12	1 1/4"	9/16" to 3/4"	781011 18690	50	**121.75**
BG-24-U-2-4	1 1/2"	1/8" to 1/4"	781011 18720	50	**112.42**
BG-24-U-5-8	1 1/2"	5/16" to 1/2"	781011 18725	50	**112.42**
BG-24-U-9-12	1 1/2"	9/16" to 3/4"	781011 18730	50	**125.96**
BG-32-U-2-4	2"	1/8" to 1/4"	781011 18760	50	**121.75**
BG-32-U-5-8	2"	5/16" to 1/2"	781011 18765	50	**116.29**
BG-32-U-9-12	2"	9/16" to 3/4"	781011 18770	50	**130.18**

Patent #4958792

Static Load Capacity

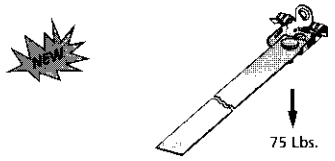
75 Lbs.

Beam Fasteners With Anchor Straps



FEATURES

- Anchor strap provides secure attachment to beam flanges.
- Simply installed with a hammer.
- Suspends 1/4"-20 and 3/8"-16 threaded rod from beam flanges 1/8" to 3/4" thick.
- 8" straps are provided for flange thicknesses of 1/8" to 1/4".
- 13" straps are provided for flange thicknesses of 5/16" to 3/4".



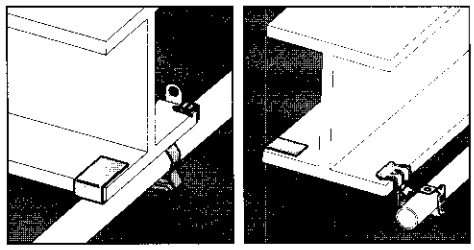
Static Load Capacity

PART NUMBER	STUD SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BU-2-4-S-AS	1/4"-20 x 3/8"	1/8" to 1/4"	781011 04942	50	**207.82**
BU-5-8-S-AS	1/4"-20 x 3/8"	5/16" to 1/2"	781011 04943	50	**230.59**
BU-9-12-S-AS	1/4"-20 x 3/8"	9/16" to 3/4"	781011 04944	50	**238.27**

Static Load Capacity

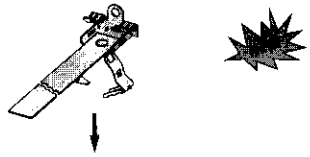
PART NUMBER	THREAD ROD SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BH4-E-2-4-AS	1/4"-20	1/8" to 1/4"	781011 04948	50	**212.54**
BH4-E-5-8-AS	1/4"-20	5/16" to 1/2"	781011 04949	50	**230.87**
BH4-E-9-12-AS	1/4"-20	9/16" to 3/4"	781011 04950	50	**233.43**
BH6-E-2-4-AS	3/8"-16	1/8" to 1/4"	781011 04951	50	**208.78**
BH6-E-5-8-AS	3/8"-16	5/16" to 1/2"	781011 04952	50	**230.64**
BH6-E-9-12-AS	3/8"-16	9/16" to 3/4"	781011 04953	50	**233.14**

Conduit To Beam Fasteners With Anchor Straps



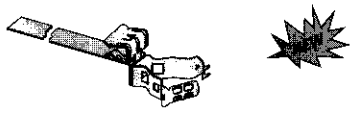
FEATURES

- Anchor strap provides secure attachment to beam flanges.
- Simply installed with a hammer.
- Supports 1/2" to 1" conduit.
- Unique **Guide-Rite®** Fastener provides for fast and easy installation.
- 8" straps are provided for flange thicknesses of 1/8" to 1/4".
- 13" straps are provided for flange thicknesses of 5/16" to 3/4".



Static Load Capacity

PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-U-2-4-AS	1/2",3/4"	1/8" to 1/4"	781011 04966	50	**222.51**
BG-8-12-U-5-8-AS	1/2",3/4"	5/16" to 1/2"	781011 04967	50	**242.54**
BG-8-12-U-9-12-AS	1/2",3/4"	9/16" to 3/4"	781011 04968	50	**253.47**
BG-16-U-2-4-AS	1"	1/8" to 1/4"	781011 04969	50	**225.24**
BG-16-U-5-8-AS	1"	5/16" to 1/2"	781011 04970	50	**245.22**
BG-16-U-9-12-AS	1"	9/16" to 3/4"	781011 04971	50	**256.09**



Static Load Capacity

PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-E-2-4-AS	1/2",3/4"	1/8" to 1/4"	781011 04972	50	**209.75**
BG-8-12-E-5-8-AS	1/2",3/4"	5/16" to 1/2"	781011 04973	50	**231.61**
BG-8-12-E-9-12-AS	1/2",3/4"	9/16" to 3/4"	781011 04974	50	**234.17**
BG-16-E-2-4-AS	1"	1/8" to 1/4"	781011 04975	50	**215.90**
BG-16-E-5-8-AS	1"	5/16" to 1/2"	781011 04976	50	**234.23**
BG-16-E-9-12-AS	1"	9/16" to 3/4"	781011 04977	50	**236.85**

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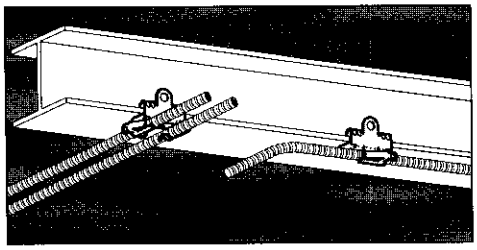
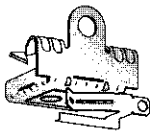
Cable To Beam Fasteners

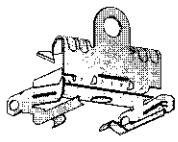


FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges 1/8" to 3/4" thick.
- Fasteners will rotate 360°.
- Simply installed with a hammer.

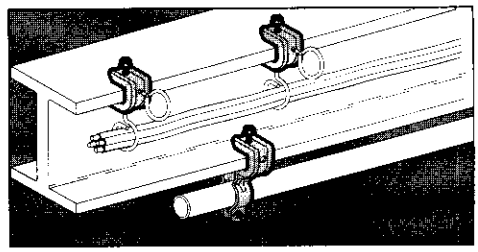


PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BX4-U-2-4	Single Runs	1/8" to 1/4"	781011 01197	100	**66.82**
BX4-U-5-8	Single Runs	5/16" to 1/2"	781011 01198	100	**69.21**
BX4-U-9-12	Single Runs	9/16" to 3/4"	781011 01199	100	**81.51**



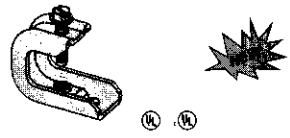
PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BX4M-U-2-4	Double Runs	1/8" to 1/4"	781011 01206	100	**73.71**
BX4M-U-5-8	Double Runs	5/16" to 1/2"	781011 01207	100	**76.10**
BX4M-U-9-12	Double Runs	9/16" to 3/4"	781011 01208	100	**88.34**

Beam Fasteners



FEATURES

- BC442 fits beam flanges 1/8" to 5/8". BC442-6 fits beam flanges up to 3/4".
- Available with BL1400 series conduit hangers for 1/2" thru 2" EMT, IMC and Rigid conduit.
- Finish: Electroplated
- Static Load Capacity:
  BC442 = 100 Lbs.
  BC442-6 = 200 Lbs.

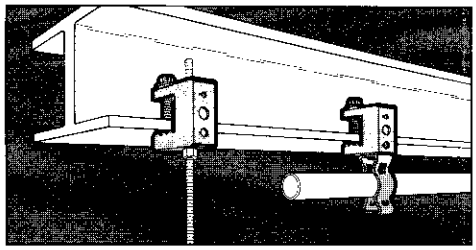


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BC442	Accepts 1/4"-20 Threaded Rod or 1/4"-20 Threaded Bridle Rings	781011 18278	50	**54.60**
BC442-6	Accepts 3/8"-16 Threaded Rod	781011 04283	50	**169.51**

PART NUMBER	CONDUIT SIZE		UPC NO.	BOX QTY.	PRICE PER 100
BL1400-C442	1/2"	1/2"	781011 19850	50	**89.52**
BL1410-C442	3/4"	3/4"	781011 19851	50	**93.03**
BL1420-C442	1"	1"	781011 19852	50	**100.56**
BL1425-C442	--	1 1/4"	781011 19853	50	**100.56**
BL1430-C442	1 1/4"	1 1/2"	781011 19854	50	**106.64**
BL1440-C442	1 1/2"	--	781011 19855	25	**116.95**
BL1450-C442	2"	2"	781011 19856	25	**131.14**

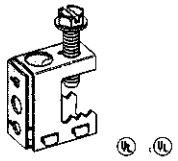
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Conduit To Beam Fasteners

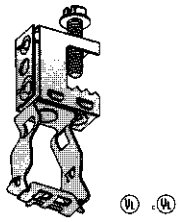


FEATURES

- Fits beam flanges thru 1/2" thick.
- Accepts "S" hooks, 1/4" and 3/8" threaded rod, 1/4"-20 or #10-24 threaded bridle rings.
- Supports conduit and electrical boxes.



PART NUMBER	FLANGE THICKNESS	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BC1	Thru 1/2"	100 Lbs.	781011 18275	100	**55.26**

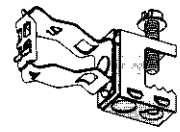


Guide-Rite® Fastener

PART NUMBER	CONDUIT SIZE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-C2	1/2", 3/4"	100 Lbs.	781011 18490	100	**99.78**
BG-16-C2	1"	100 Lbs.	781011 18570	100	**108.49**
BG-20-C2	1 1/4"	100 Lbs.	781011 18655	100	**122.66**
BG-24-C2	1 1/2"	100 Lbs.	781011 18700	50	**124.60**
BG-32-C2	2"	100 Lbs.	781011 18740	50	**128.81**

Patent #4958792

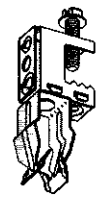
Conduit To Beam Fasteners



Guide-Rite® Fastener

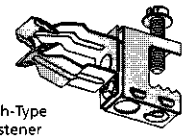
PART NUMBER	CONDUIT SIZE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BG-8-12-C1	1/2", 3/4"	25 Lbs.	781011 18485	100	**99.78**
BG-16-C1	1"	25 Lbs.	781011 18565	100	**108.49**
BG-20-C1	1 1/4"	25 Lbs.	781011 18650	100	**122.66**
BG-24-C1	1 1/2"	25 Lbs.	781011 18695	50	**124.60**
BG-32-C1	2"	25 Lbs.	781011 18735	50	**128.81**

Patent #4958792



Push-Type Fastener

PART NUMBER	CONDUIT SIZE	ULTIMATE STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-C2	1/2" EMT	25 Lbs.	781011 19260	100	**97.73**
BP-12-C2	3/4" EMT, 1/2" IMC, Rigid	25 Lbs.	781011 19360	100	**100.24**
BP-16-C2	1" EMT, 3/4" IMC, Rigid	25 Lbs.	781011 19455	100	**104.33**

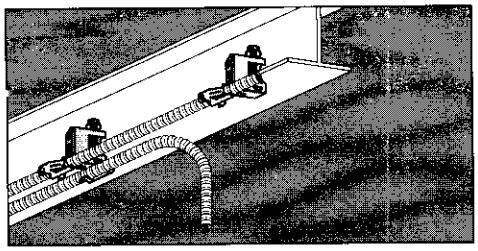


Push-Type Fastener

PART NUMBER	CONDUIT SIZE	ULTIMATE STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-C1	1/2" EMT	15 Lbs.	781011 19255	100	**97.73**
BP-12-C1	3/4" EMT, 1/2" IMC, Rigid	15 Lbs.	781011 19355	100	**100.24**
BP-16-C1	1" EMT, 3/4" IMC, Rigid	15 Lbs.	781011 19450	100	**104.33**

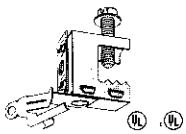
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.
SSPL = See Strut Price List

Cable To Beam Fasteners

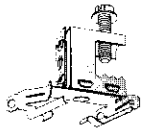


FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges thru 1/2" thick.
- Fasteners will rotate 360°.
- Requires only a screwdriver to install.



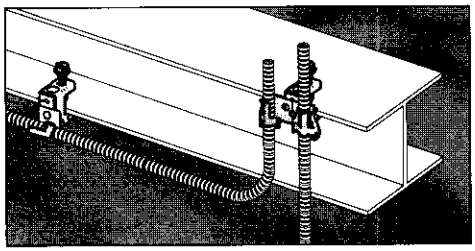
BX4-C2



BX4M-C2

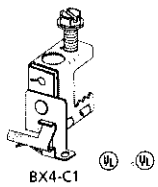
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4-C2	Single Runs	78101101190	100	**80.88**
BX4M-C2	Double Runs	78101101210	100	**87.04**

Cable To Beam Fasteners

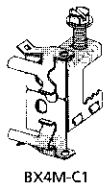


FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to beam flanges thru 1/2" thick.
- Fasteners will rotate 360°.
- Requires only a screwdriver to install.



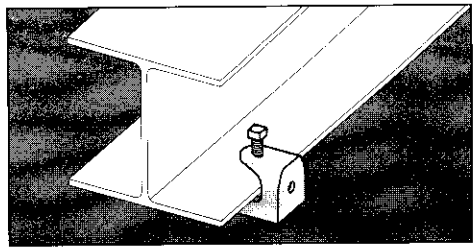
BX4-C1



BX4M-C1

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4-C1	Single Runs	78101101191	100	**81.97**
BX4M-C1	Double Runs	78101101209	100	**88.97**

Beam Fasteners

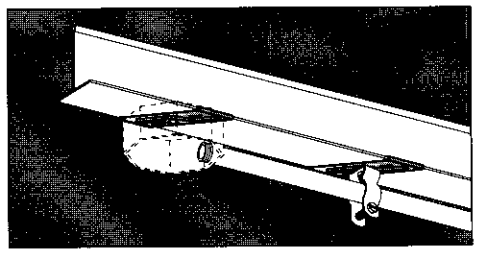


FEATURES

- Can be used with 1/4"-20 and 3/8"-16 threaded rod or bridle rings.
- Fits beam flanges through 1/2" thick.
- Finish: Zinc-Plated

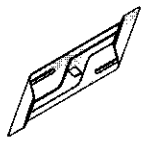
PART NUMBER	ROD SIZE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
B444-1/4	1/4"-20	240	78101155333	50	**SSPL**
B444-3/8	3/8"-16	610	78101155343	25	**SSPL**

Bulb Tee Beam Fasteners



FEATURES

- Designed for use on bulb tees 1 1/2" thru 2 3/8" wide.
- Simply installed with a hammer.
- Available with 1/4"-20 x 5/8" stud.
- Static Load Capacity: 150 Lbs.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BC5	Without Nut or Stud	78101104266	100	**63.63**
BC5-S	With Stud 1/4"-20 x 5/8"	78101104268	100	**80.77**
BC5-4	With 1/4"-20 Nut	78101104267	100	**68.87**
BC5-6	With 3/8"-16 Nut	78101104269	100	**72.23**

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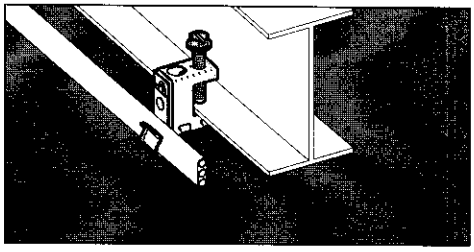
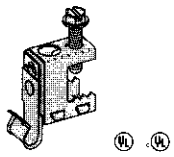
Cable To Beam Fasteners



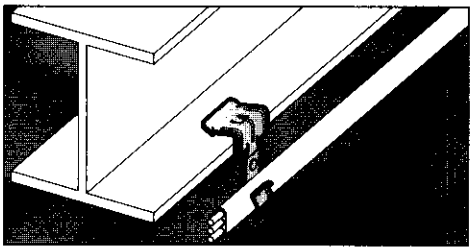
FEATURES

- Attaches Type NM cable to beam flanges thru 1/2" thick.
- Supports cable sizes #14-2 and #12-2 with ground wire.
- Requires only a screwdriver to install.



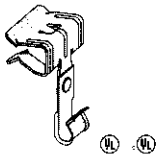
PART NUMBER	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BRC3-C1	Thru 1/2"	781011 03549	100	**82.81**

Cable To Beam Fasteners



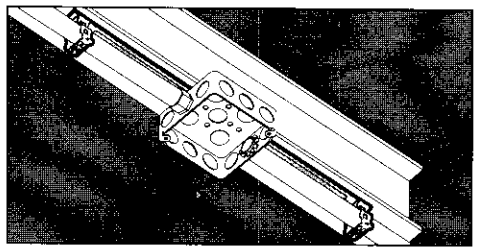
FEATURES

- Attaches Type NM cable to beam flanges 1/8" to 3/4" thick.
- Supports cable sizes #14-2 and #12-2 with ground wire.
- Simply installed with a hammer.



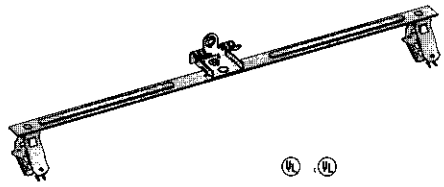
PART NUMBER	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BRC3-E-2-4	1/8" to 1/4"	781011 03550	100	**58.01**
BRC3-E-5-8	5/16" to 1/2"	781011 03551	100	**58.01**
BRC3-E-9-12	9/16" to 3/4"	781011 03552	100	**73.03**

Conduit & Box Support Fasteners



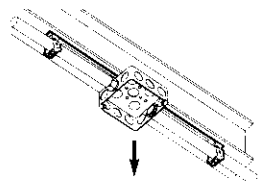
FEATURES

- Secures conduit and electrical boxes to beam flanges 1/8" to 3/4" thick.
- Provides support for conduit on either side of electrical box.
- Complies with NEC Article 300-11 and 348-12.



PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-S18-U-2-4	3/8"	1/8" to 1/4"	781011 03583	25	**257.23**
BG-6-S18-U-5-8	3/8"	5/16" to 1/2"	781011 03584	25	**259.10**
BG-8-12-S18-U-2-4	1/2", 3/4"	1/8" to 1/4"	781011 03579	25	**255.91**
BG-8-12-S18-U-5-8	1/2", 3/4"	5/16" to 1/2"	781011 03580	25	**257.51**
BG-16-S18-U-2-4	1"	1/8" to 1/4"	781011 03581	25	**262.40**
BG-16-S18-U-5-8	1"	5/16" to 1/2"	781011 03582	25	**264.90**

Static Load Capacity



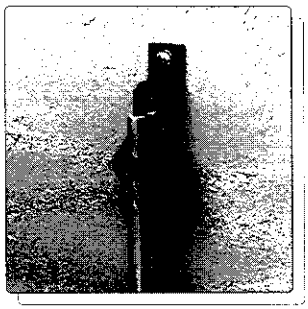
25 Lbs.

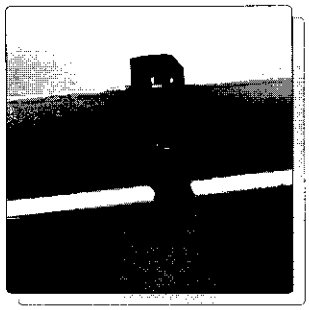
Patent #4958792

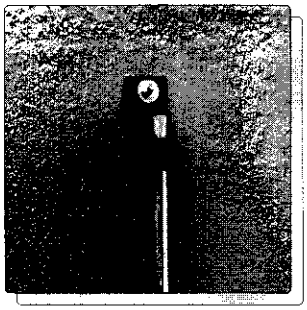
B-Line

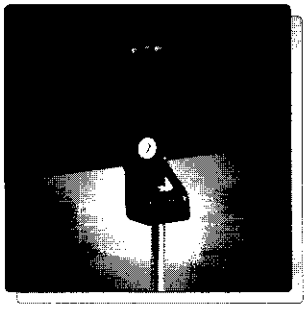
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Hangers

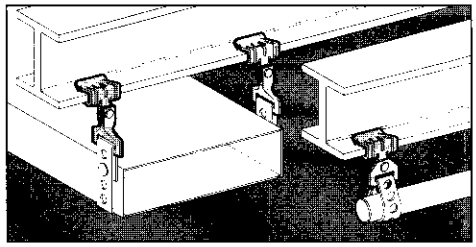






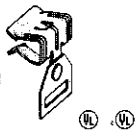


Strap Hangers



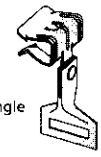
FEATURES

- Suspend straps thru 1" wide from beam flanges 1/8" to 3/4" thick.
- Suspend from straps parallel or at right angles to beams.
- Simply installed with a hammer.
- Static Load Capacity: 200 Lbs.



Parallel

BHE & BH



Right Angle

BH-R

PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BHE-1-2	Parallel	1/16" to 1/8"	781011 04930	100	**58.63**
BH-2-4	Parallel	1/8" to 1/4"	781011 18870	100	**67.57**
BH-5-8	Parallel	5/16" to 1/2"	781011 18880	100	**67.57**
BH-9-12	Parallel	9/16" to 3/4"	781011 18890	100	**83.45**
BH-1-2-R	Right Angle	1/16" to 1/8"	781011 04115	100	**66.59**
BH-2-4-R	Right Angle	1/8" to 1/4"	781011 18875	100	**69.61**
BH-5-8-R	Right Angle	5/16" to 1/2"	781011 18885	100	**69.61**
BH-9-12-R	Right Angle	9/16" to 3/4"	781011 18895	100	**85.44**

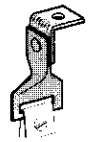
"Z" Purlin Hangers

BH-F12

BH-F12-R

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH-F12	Right Angle	781011 03385	100	**70.18**
BH-F12-R	Parallel	781011 03384	100	**72.34**

BH-H7



BRH-H7

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH-H7	Parallel	781011 19922	100	**58.17**
BRH-H7	Right Angle	781011 19929	100	**58.17**

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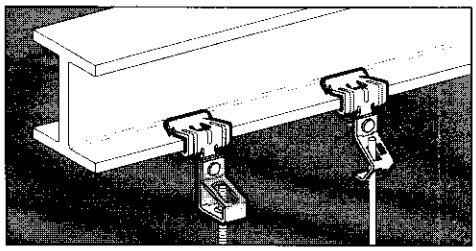
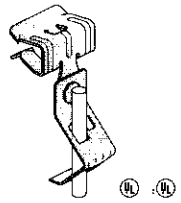
Prices are subject to change without notice.

Rod To Beam Hangers

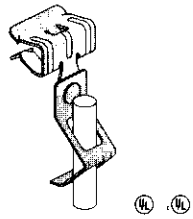


FEATURES

- Suspend #8 wire or 1/4" and 3/8" plain or threaded rod from beam flanges 1/8" to 3/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.

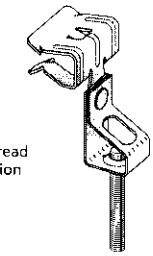


PART NUMBER	FLANGE THICKNESS	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH1-E-2-4	1/8" to 1/4"	#8 Wire or 1/4" Plain Rod	781011 18900	100	**61.70**
BH1-E-5-8	5/16" to 1/2"	#8 Wire or 1/4" Plain Rod	781011 18905	100	**61.70**
BH1-E-9-12	9/16" to 3/4"	#8 Wire or 1/4" Plain Rod	781011 18910	100	**79.12**



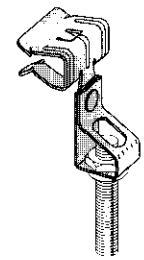
PART NUMBER	FLANGE THICKNESS	PLAIN ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH2-E-2-4	1/8" to 1/4"	3/8"	781011 18940	100	**63.63**
BH2-E-5-8	5/16" to 1/2"	3/8"	781011 18945	100	**63.63**
BH2-E-9-12	9/16" to 3/4"	3/8"	781011 18950	100	**77.58**

Rod To Beam Hangers



With Thread Impression

PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH4-E-2-4	1/8" to 1/4"	1/4"	781011 18980	100	**63.81**
BH4-E-5-8	5/16" to 1/2"	1/4"	781011 18985	100	**63.81**
BH4-E-9-12	9/16" to 3/4"	1/4"	781011 18990	100	**84.87**
BH6-E-2-4	1/8" to 1/4"	3/8"	781011 19060	100	**67.05**
BH6-E-5-8	5/16" to 1/2"	3/8"	781011 19065	100	**67.05**
BH6-E-9-12	9/16" to 3/4"	3/8"	781011 19070	100	**84.87**

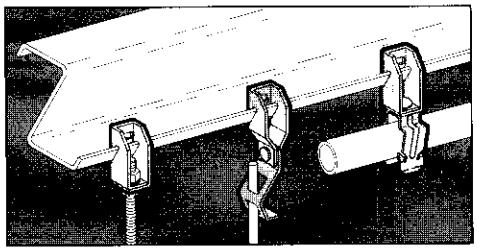


PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH5-E-2-4*	1/8" to 1/4"	1/4" or 3/8"	781011 19020	100	**65.91**
BH5-E-5-8*	5/16" to 1/2"	1/4" or 3/8"	781011 19025	100	**62.90**
BH5-E-9-12*	9/16" to 3/4"	1/4" or 3/8"	781011 19030	100	**80.77**

* Nuts Required.

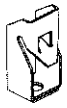
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

"Z" Purlin Hangers



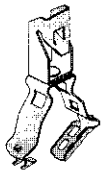
FEATURES

- Compensates for angle of purlin lip.
- Allows for parallel conduit runs or vertical support drops.
- Simply installed with a hammer and pliers.
- Maximum Purlin thickness of 3/32".



PART NUMBER	DESCRIPTION	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BF13	With 1/4" Hole	100 Lbs.	781011 18345	100	**29.83**

Guide-Rite® Fastener



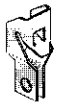
PART NUMBER	CONDUIT SIZE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-F13	3/8"	100 Lbs.	781011 18445	100	**73.43**
BG-8-12-F13	1/2", 3/4"	100 Lbs.	781011 18520	100	**66.93**
BG-16-F13	1"	100 Lbs.	781011 18590	100	**76.28**
BG-20-F13	1 1/4"	100 Lbs.	781011 18675	50	**90.27**

Note: Fastener will rotate 360° Patent #4958792

Push-Type Fastener

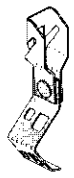
PART NUMBER	CONDUIT SIZE	ULT. STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BP-8-F13	1/2" EMT	25 Lbs.	781011 19290	100	**68.13**
BP-12-F13	3/4" EMT, 1/2" IMC, Rigid	25 Lbs.	781011 19390	100	**68.13**
BP-16-F13	1" EMT, 3/4" IMC, Rigid	25 Lbs.	781011 19480	50	**74.51**

Note: Fastener will rotate 360°



PART NUMBER	DESCRIPTION	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BF12	For "S" Hooks and Wrap Wire.	100 Lbs.	781011 18340	100	**29.83**

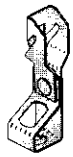
"Z" Purlin Hangers



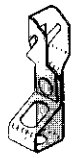
BH1-F12

BH2-F12

PART NUMBER	DESCRIPTION	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BH1-F12	#8 Wire or 1/4" Plain Rod	100 Lbs.	781011 18920	100	**65.68**
BH2-F12	3/8" Plain Rod	100 Lbs.	781011 18960	100	**63.36**



BH4 & BH6

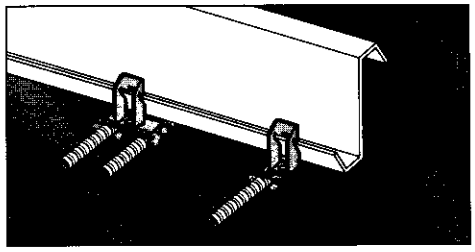


BH5

PART NUMBER	THREADED ROD SIZE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BH4-F12	1/4"	100 Lbs.	781011 19000	100	**66.43**
BH6-F12	3/8"	100 Lbs.	781011 19080	100	**66.43**
BH5-F12*	1/4" and 3/8"	100 Lbs.	781011 19040	100	**64.27**

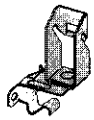
* Nuts required.
Note: BH4 and BH6 have thread impression.

Cable To "Z" Purlin Flange Hangers

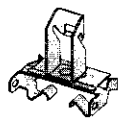


FEATURES

- Compensates for angle of purlin lip.
- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to "Z" Purlins up to 3/32" thick.
- Fastener will rotate 360°.
- Simply installed with a hammer.



BX4-F13

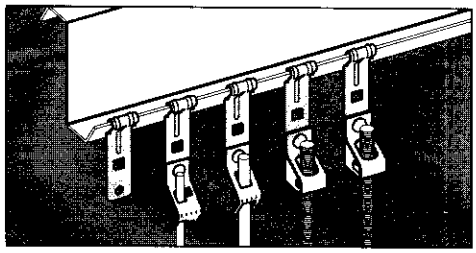


BX4M-F13

PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BX4-F13	Single Runs	thru 3/32"	781011 01188	100	**53.33**
BX4M-F13	Double Runs	thru 3/32"	781011 01204	100	**62.44**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

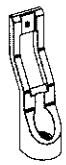
"Z" Purlin Flange Hangers



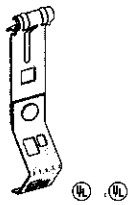
FEATURES

- Suspend #12, #10, #9, or #8 wire, 1/4" or 3/8" plain or threaded rod from "Z" Purlins.
- Fits "Z" Purlins 1/16" to 1/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.

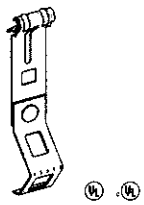
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BF4	For "S" Hooks, Bolting Straps and Wrap Wire	78101104271	100	**27.37**



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER EACH
BT3	Installation Tool for BF4 Hangers	78101104164	1	**37.28**



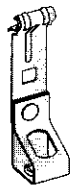
BH1-F4



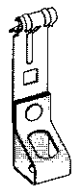
BH2-F4

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH1-F4	#8 Wire or 1/4" Plain Rod	78101104274	100	**61.31**
BH2-F4	3/8" Plain Rod	78101104276	100	**61.99**

"Z" Purlin Flange Hangers



BH4-F4
BH6-F4

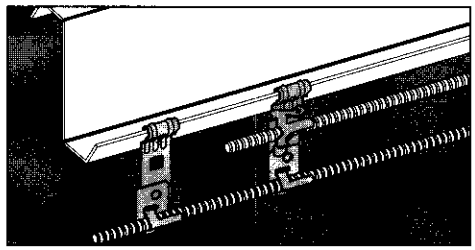


BH5-F4

PART NUMBER	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH4-F4	1/4"	78101104286	100	**61.99**
BH6-F4	3/8"	78101104280	100	**61.99**
BH5-F4*	1/4", 3/8"	78101104278	100	**60.33**

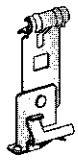
* Nuts required.
Note: BH4 & BH6 have thread impressions.

Cable To "Z" Purlin Flange Hangers



FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to "Z" Purlins.
- Fits "Z" Purlin flanges 1/16" to 1/4" thick.
- Fastener will rotate 360°.
- Simply installed with a hammer.



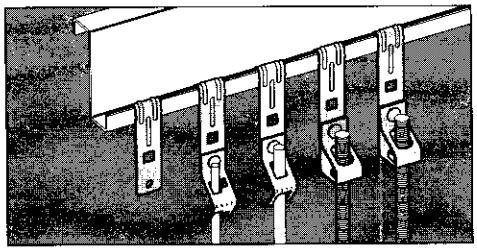
BX4-F4

BX4M-F4

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4-F4	Single Runs	78101104931	100	**55.67**
BX4M-F4	Double Runs	78101104932	100	**62.44**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

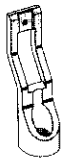
Vertical Flange Hangers



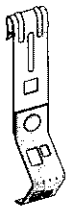
FEATURES

- Suspend #12, #10, #9, or #8 wire, 1/4" or 3/8" plain or threaded rod from vertical flanges.
- Fits vertical flanges 1/16" to 1/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.

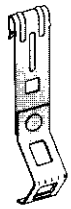
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BF3	For "S" Hooks, Bolting Straps and Wrap Wire	78101104270	100	**27.37**



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER EACH
BT3	Installation Tool for BF3 Hangers	78101104164	1	**37.28**



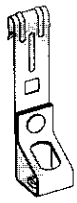
BH1-F3



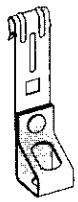
BH2-F3

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH1-F3	#8 Wire or 1/4" Plain Rod	78101104273	100	**61.31**
BH2-F3	3/8" Plain Rod	78101104275	100	**61.99**

Vertical Flange Hangers



BH4-F3
BH6-F3

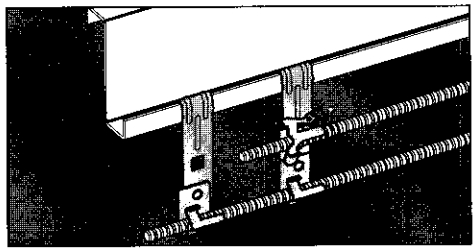


BH5-F3

PART NUMBER	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH4-F3	1/4"	78101104285	100	**61.99**
BH6-F3	3/8"	78101104279	100	**61.99**
BH5-F3*	1/4", 3/8"	78101104933	100	**60.33**

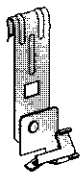
* Nuts required.
Note: BH4 & BH6 have thread impressions.

Cable To Vertical Flange Hangers

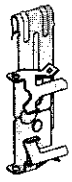


FEATURES

- Attaches MC, AC, sizes #14-2 through #10-3 or 3/8" flexible conduit (BX) to vertical flanges 1/16" to 1/4" thick.
- Fastener will rotate 360°.
- Simply installed with a hammer.



BX4-F3

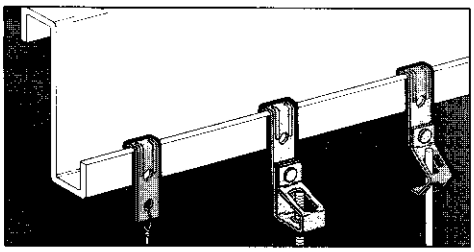


BX4M-F3

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BX4-F3	Single Runs	78101104281	100	**55.67**
BX4M-F3	Double Runs	78101104282	100	**62.44**

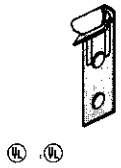
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Vertical Flange Hangers

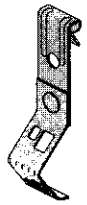


FEATURES

- Suspend #12, #10, #9, or #8 wire, 1/4" or 3/8" plain or threaded rod from vertical flanges.
- Fits vertical flanges 1/16" to 1/4" thick.
- Simply installed with a hammer.
- Static Load Capacity: 160 Lbs.

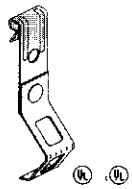


PART NUMBER	FLANGE THICKNESS	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BF1	1/16" to 5/32"	For "S" Hooks, Bolting Straps and Wrap Wire	781011 18310	100	**28.00**
BF2	5/32" to 1/4"	For "S" Hooks, Bolting Straps and Wrap Wire	781011 18315	100	**28.00**

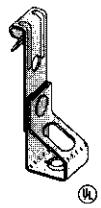


PART NUMBER	FLANGE THICKNESS	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH1-F1	1/16" to 5/32"	#8 Wire or 1/4" Plain Rod	781011 18915	100	**62.61**
BH1-F2	5/32" to 1/4"	#8 Wire or 1/4" Plain Rod	781011 18925	100	**62.61**

Vertical Flange Hangers

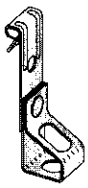


PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH2-F1	1/16" to 5/32"	3/8"	781011 18955	100	**63.35**
BH2-F2	5/32" to 1/4"	3/8"	781011 18965	100	**63.35**



With Thread Impression

PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH4-F1	1/16" to 5/32"	1/4"	781011 18995	100	**63.35**
BH6-F1	5/32" to 1/4"	3/8"	781011 19075	100	**63.35**
BH4-F2	1/16" to 5/32"	1/4"	781011 19005	100	**63.35**
BH6-F2	5/32" to 1/4"	3/8"	781011 19085	100	**63.35**



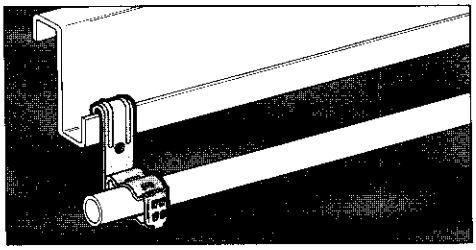
PART NUMBER	FLANGE THICKNESS	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH5-F1*	1/16" to 5/32"	1/4", 3/8"	781011 19035	100	**61.59**
BH5-F2*	5/32" to 1/4"	1/4", 3/8"	781011 19045	100	**61.59**

* Nuts required.

B-Line

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

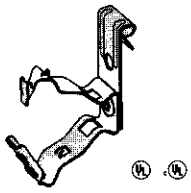
Conduit To Vertical Flange Hangers



FEATURES

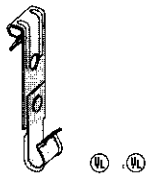
- Supports 3/8" to 1" conduit from vertical flanges 1/16" to 1/4" thick.
- Patented **Guide-Rite®** feature ensures fastener will close and lock every time.
- Simply installed with a hammer and pliers.
- Static Load Capacity: 25 Lbs.

Guide-Rite® Fastener



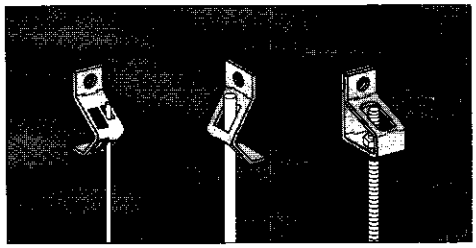
PART NUMBER	CONDUIT SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BG-6-F1	3/8"	1/16" to 5/32"	781011 19957	100	**54.76**
BG-6-F2	3/8"	5/32" to 1/4"	781011 19960	100	**54.76**
BG-8-12-F1	1/2" & 3/4"	1/16" to 5/32"	781011 19958	100	**57.21**
BG-8-12-F2	1/2" & 3/4"	5/32" to 1/4"	781011 19961	100	**58.97**
BG-16-F1	1"	1/16" to 5/32"	781011 19959	100	**62.38**
BG-16-F2	1"	5/32" to 1/4"	781011 19962	100	**62.38**

Patent #4958792



PART NUMBER	WIRE SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BRC3-F1	#14-2 & #12-2 With Ground	1/16" to 5/32"	781011 03556	100	**54.08**
BRC3-F2	#14-2 & #12-2 With Ground	5/32" to 1/4"	781011 03557	100	**54.08**

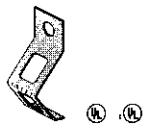
Components



FEATURES

- BH1, BH2: For pre-assembly of wire or plain rod.
- BH7, BH8: For wire or chain drop from concrete or wood.
- BH5: For 1/4" and 3/8" threaded rod (Nuts required).
- BH4, BH6: For 1/4" and 3/8" threaded rod (with thread impression).
- Static Load Capacity: 160 Lbs.

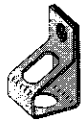
BH1



BH2

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH1	#8 Wire or 1/4" Plain Rod	781011 18800	100	**19.18**
BH2	For 3/8" Plain Rod	781011 18805	100	**20.38**

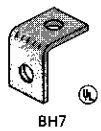
BH4 & BH6



BH5

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH4	For 1/4" Threaded Rod	781011 18815	100	**20.38**
BH6	For 3/8" Threaded Rod	781011 18825	100	**20.38**
BH5*	For 1/4" and 3/8" Threaded Rod	781011 18820	100	**18.27**

* Nuts required.
Note: BH4 & BH6 have thread impressions.



BH7

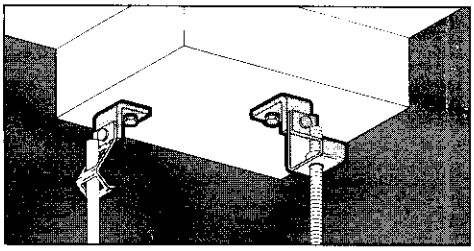
BH8

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH7	Angle Bracket with 1/4" Holes	781011 18830	100	**17.65**
BH7-6	Angle Bracket with 1/4" and 3/8" Holes	781011 18835	100	**17.65**
BH8	Offset Bracket with 1/4" Holes	781011 18840	100	**17.65**
BH8-6	Offset Bracket with 1/4" and 3/8" Holes	781011 18845	100	**17.65**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

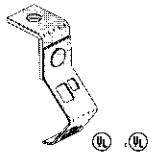
B-Line®

Angle Bracket Fasteners

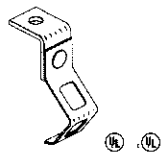


FEATURES

- Suspend plain or threaded rod and drop wire from ceilings, walls, concrete beams, joists and laminated wood beams.
- Clearance hole for 1/4" bolt provided.
- Static Load Capacity: 160 Lbs.

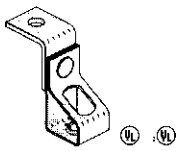


BH1-H7

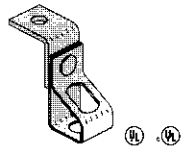


BH2-H7

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH1-H7	#8 Wire or 1/4" Plain Rod	781011 18930	100	**45.82**
BH2-H7	3/8" Plain Rod	781011 18970	100	**47.07**



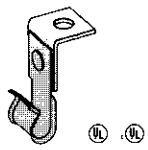
BH4-H7 & BH6-H7



BH5-H7

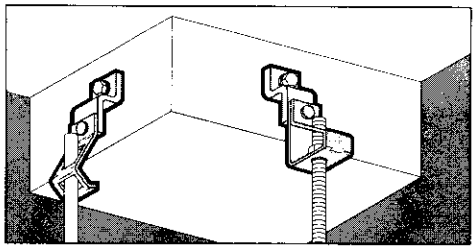
PART NUMBER	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH4-H7	1/4"-20	781011 19010	100	**50.14**
BH6-H7	3/8"-16	781011 19090	100	**50.60**
BH5-H7*	1/4"-20 or 3/8"-16	781011 19050	100	**46.73**

* Nuts required.
Note: BH4 & BH6 have thread impressions.



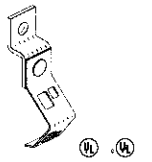
PART NUMBER	WIRE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BRC3-H7	#14-2 & #12-2 With Ground	781011 03554	100	**43.49**

Offset Bracket Fasteners

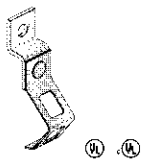


FEATURES

- Suspend plain or threaded rod and drop wire from ceilings, walls, concrete beams, joists and laminated wood beams.
- Clearance hole for 1/4" bolt provided.
- Static Load Capacity: 160 Lbs.

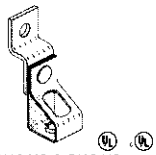


BH1-H8

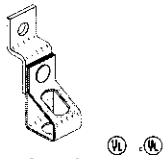


BH2-H8

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH1-H8	#8 Wire or 1/4" Plain Rod	781011 18935	100	**45.82**
BH2-H8	3/8" Plain Rod	781011 18975	100	**47.07**



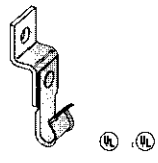
BH4-H8 & BH6-H8



BH5-H8

PART NUMBER	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BH4-H8	1/4"-20	781011 19015	100	**50.14**
BH6-H8	3/8"16	781011 19095	100	**50.60**
BH5-H8*	1/4"-20 or 3/8"-16	781011 19055	100	**46.73**

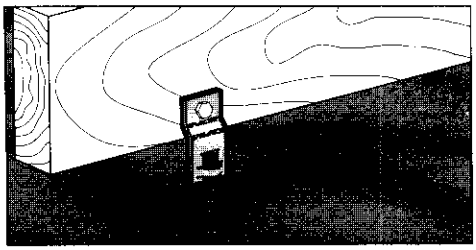
* Nuts required.
Note: BH4 & BH6 have thread impressions.



PART NUMBER	THREADED ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BRC3-H8	#14-2 & #12-2 With Ground	781011 03555	100	**43.49**

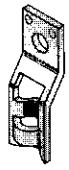
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.
SPHPL = See Pipe Hanger Price List

Threaded Rod Hangers



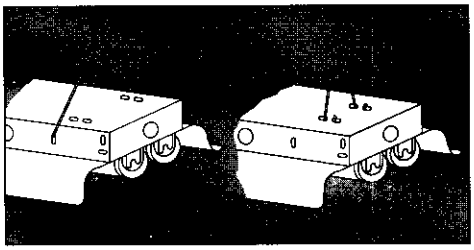
FEATURES

- Suspend 3/8" threaded rod from ceilings, walls, concrete beams, joists and laminated wood beams.
- Finish: Pre-Galvanized.
- Static Load Capacity: 610 Lbs.



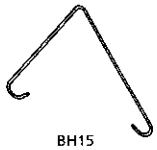
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
B3223-3/8	Offset Eye Socket	781011 01661	100	**SPHPL**

Light Fixture Hangers



FEATURES

- For hanging industrial class fluorescent lighting fixtures.
- Use with Jack Chain and "S" Hooks for easy installation.
- No special tools required.
- Static Load Capacity: 29 Lbs.

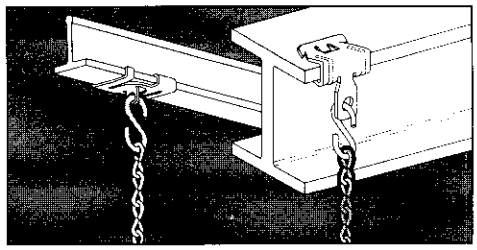


BH15

BH16

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH15	Side Mount Fluorescent Light Fixture Hanger	781011 01236	100	**35.58**
BH16	Top Mount Fluorescent Light Fixture Hanger	781011 01237	100	**35.58**

Jack Chain & "S" Hooks



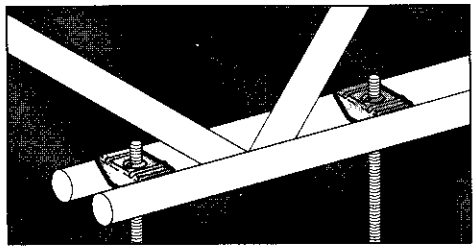
FEATURES

- For support of light fixtures and signs.
- Static Load Capacity: 29 Lbs.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100 FEET
BH9	#12 Single Jack Chain	781011 18850	100 ft.	**30.68**
BH9-10	#10 Single Jack Chain	781011 02901	100 ft.	**42.13**

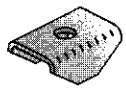
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH10	#11 "S" Hooks	781011 18855	50	**8.48**

Wedge Hangers



FEATURES

- Allows centering on all open web joists with round bottom chords.
- Static Load Capacity:
  BH11 = 200 Lbs.
  BH12 = 100 Lbs.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH11	With 3/8" Clearance Hole	781011 18860	100	**13.67**

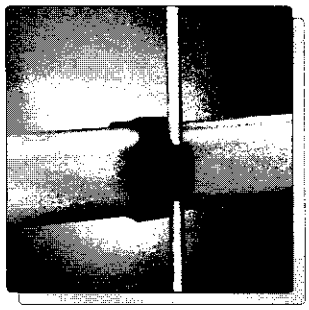
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BH12	With 1/4"-20 Thread Impression	781011 18865	100	**17.19**

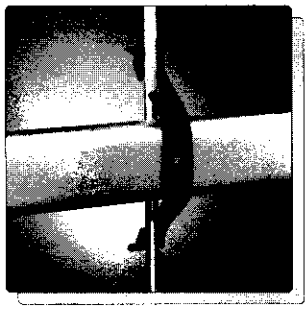
Hangers

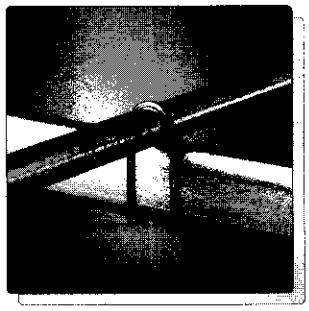
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

B-Line

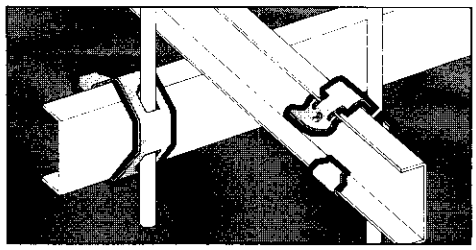
Lathers Channel







Rod & Wire Fasteners



FEATURES

- For fastening standard lathers channels to wires and unthreaded rods.
- Fits 1/2" through 5/8" channel flange widths.
- Accepted for use by the City of New York Department of Buildings. MEA 383-91-M.
- Static Load Capacity: 160 Lbs.

PART NUMBER	CHANNEL SIZE	ROD/WIRE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BL-24-2	1 1/2"	#8 Wire	78101119882	100	**40.36**

PART NUMBER	CHANNEL SIZE	ROD/WIRE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BL-24-4	1 1/2"	1/4" Rod	78101119883	100	**35.40**

Side Mount

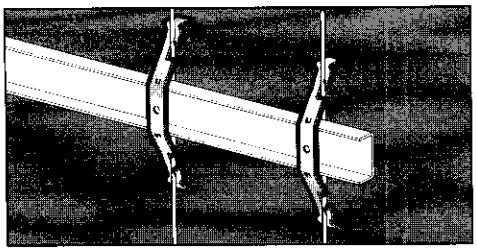
PART NUMBER	CHANNEL SIZE	ROD/WIRE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BL-32-4	2"	1/4" Rod	78101119885	100	**48.55**

Center Mount

PART NUMBER	CHANNEL SIZE	ROD/WIRE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BL-24-4C	1 1/2"	1/4" Rod	78101119884	100	**39.56**

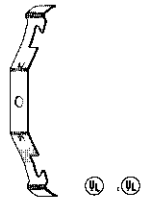
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Rod & Wire Fasteners



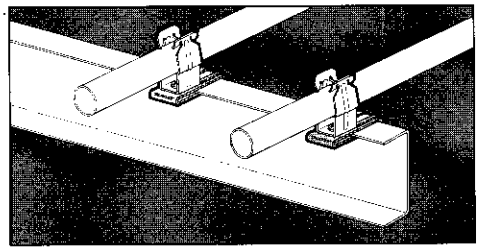
FEATURES

- For fastening standard 1 1/2" lathers channel to wires and unthreaded rods.
- Wire size: #8 and #9.
- Rod size: 3/16" and 1/4".
- Fits 9/16" thru 5/8" channel flange widths.
- Static Load Capacity: 100 Lbs.



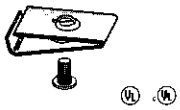
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BL1	Channel to Rod & Wire	781011 19880	100	**46.91**

Flange Fasteners



FEATURES

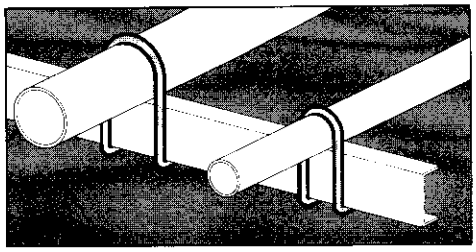
- Serves as a mounting base for conduit fasteners or electrical boxes.
- Attaches to either flange of lathers channel with 1/4"-20 screw (furnished).
- Fits channel flange widths up to 5/8".



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BL2	Flange Fastener with Screw	781011 19881	100	**29.94**

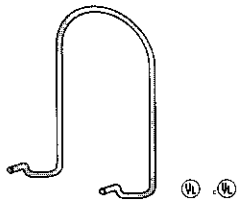
Note: This product is designed for positioning only. No load rating.

Conduit Fasteners



FEATURES

- Fastens EMT to 1 1/2" lathers channel.
- Static Load Capacity: 50 Lbs.



PART NUMBER	EMT CONDUIT SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BL3-8	1/2"	781011 19902	100	**20.38**
BL3-12	3/4"	781011 19903	100	**22.37**
BL3-16	1"	781011 19904	100	**24.64**
BL3-20	1 1/4"	781011 19905	100	**29.66**

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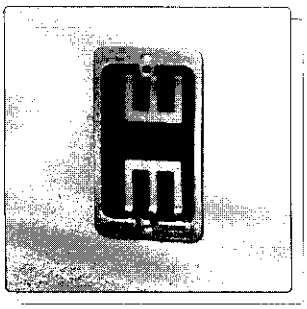
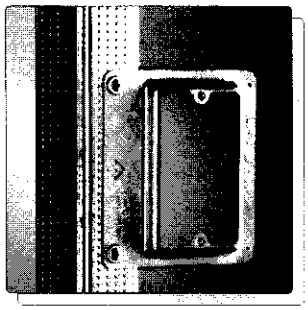
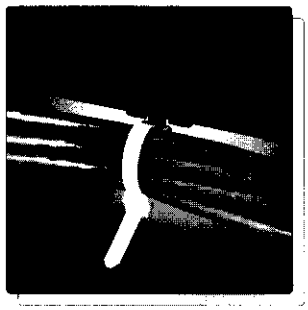
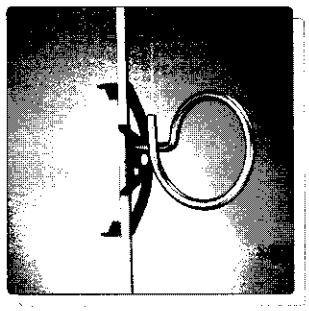
Prices are subject to change without notice.

Communication & Low Voltage

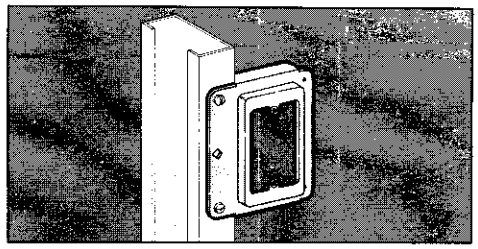






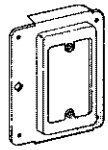


Cover Plate Mounting Bracket



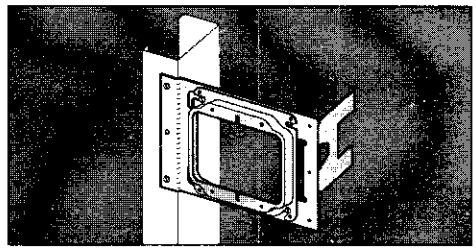
FEATURES

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Attaches to metal studs with screws (not included).
- Replaces electrical box in Class 2 low voltage installations.
- For 1/2" and 5/8" drywall applications.



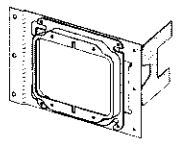
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB15	Single Gang Stud Bracket	781011 19873	25	**68.41**

Cover Plate Mounting Bracket



FEATURES

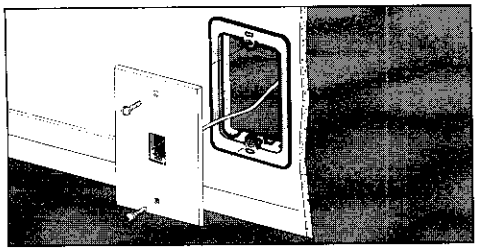
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Locates communication outlets before drywall is installed.
- Attaches to metal studs with screws (not included).
- Heavy-duty double gang design with far side support.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB25	Double Gang Stud Bracket (1/2" Raise)	781011 03625	25	**220.10**
BB25-10	Double Gang Stud Bracket (5/8" Raise)	781011 03626	25	**228.90**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Cover Plate Mounting Brackets

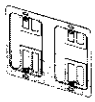


FEATURES

- Replaces electrical box in Class 2 low voltage installations.
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- New BB10 series design accepts Decora®* style cover plates.
- Maximum 1¼" drywall thickness.

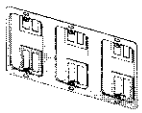
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB10	Single Gang Bracket	781011 18150	50	**74.60**

Patent # Re.33305



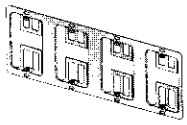
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB10-2	Mounts 2 Single Plates	781011 18152	10	**135.70**

Patent # Re.33305



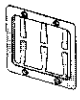
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB10-3	Mounts 3 Single Plates	781011 19878	10	**203.66**

Patent # Re.33305



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB10-4	Mounts 4 Single Plates	781011 19879	10	**271.45**

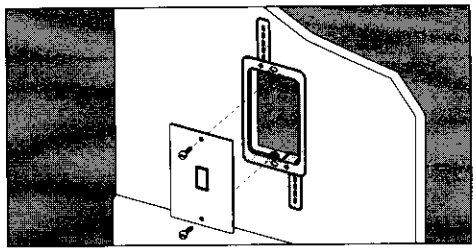
Patent # Re.33305



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB20	Double Gang Bracket	781011 18130	10	**100.46**

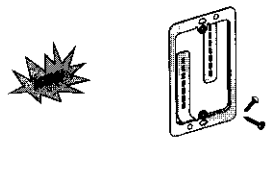
Patent # Re.33305

Cover Plate Mounting Brackets

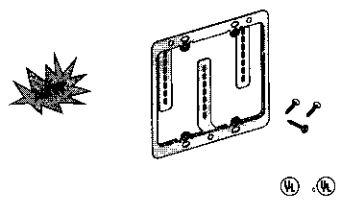


FEATURES

- Replaces electrical box in Class 2 low voltage installations.
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security.
- Provides rigid support when installed with screws that are provided.
- Maximum 1¼" drywall thickness.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB10L	Single Gang Bracket	781011 90895	50	**89.20**

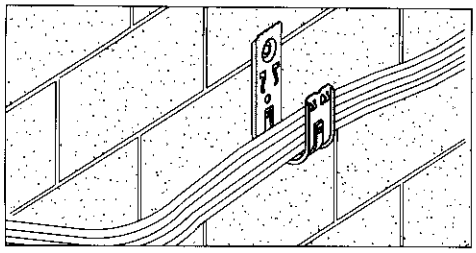


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BB20L	Double Gang Bracket	781011 90896	50	**118.62**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

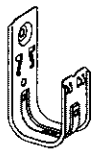
B-Line®

Cable Hooks



FEATURES

- Supports all category 5, fiber optic, innerduct and low voltage cabling requirements.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers (see below) or cable ties.
- Available in galvanized steel, Type 304 stainless steel or zinc-plated spring steel.
- Static Load Capacity:
  Galv. & Stainless Steel-30 lbs.
  Zinc-Pltd. Spring Steel-100 lbs.

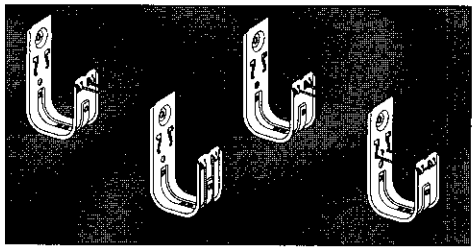


PART NUMBER	HOOK SIZE	CAPACITY	UPC NO.	BOX QTY.	PRICE PER 100
BCH21	1 5/16"	40 4-Pair UTP	781011 04713	50	**135.24**
BCH32	2"	90 4-Pair UTP	781011 04717	50	**163.36**
BCH64	4"	390 4-Pair UTP	781011 04721	25	**243.57**

Patent # 5961081

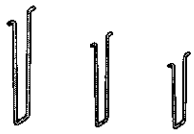
Note: Part numbers listed above are for galvanized hooks - Add "SS4" for Stainless Steel or add "HT" for Zinc-Plated Spring Steel for heavy-duty applications. See alphanumeric index for pricing.

Qwik-Latch™ Cable Retainers



FEATURES

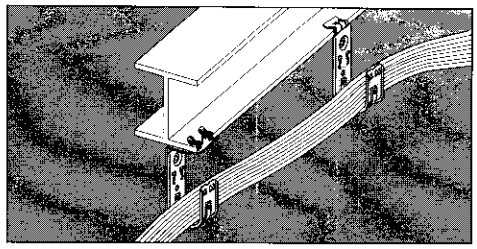
- Exclusive Qwik-Latch™ cable retainers provide secure containment of cables.
- Quick open and close design for adding and removing cable runs.
- Type 302 stainless steel plenum-rated design is more economical than plenum-rated cable ties.
- Retracts completely out of wireway area for ease of cable installation.



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BCHR21	1 5/16"	Cable Retainer	781011 04847	50	**21.91**
BCHR32	2"	Cable Retainer	781011 04848	50	**23.05**
BCHR64	4"	Cable Retainer	781011 04849	50	**50.94**

Patent # 5961081

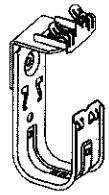
Cable To Beam Fasteners



FEATURES

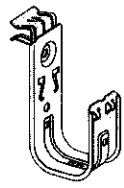
- Permits fast and easy installation on beam flanges.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a hammer.
- Static Load Capacity: 30 Lbs.

Allows 360° Rotation



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-U-2-4	1 5/16"	1/8" to 1/4"	781011 04809	50	**245.27**
BCH21-U-5-8	1 5/16"	5/16" to 1/2"	781011 04811	50	**251.07**
BCH21-U-9-12	1 5/16"	9/16" to 3/4"	781011 04813	50	**271.91**
BCH32-U-2-4	2"	1/8" to 1/4"	781011 04831	50	**276.80**
BCH32-U-5-8	2"	5/16" to 1/2"	781011 04833	50	**279.20**
BCH32-U-9-12	2"	9/16" to 3/4"	781011 04835	50	**300.02**
BCH64-U-2-4	4"	1/8" to 1/4"	781011 04864	25	**362.82**
BCH64-U-5-8	4"	5/16" to 1/2"	781011 04865	25	**366.98**
BCH64-U-9-12	4"	9/16" to 3/4"	781011 04866	25	**381.72**

Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

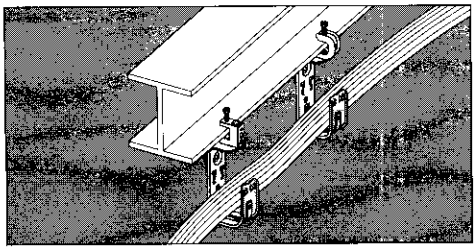


PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-E-2-4	1 5/16"	1/8" to 1/4"	781011 04803	50	**189.37**
BCH21-E-5-8	1 5/16"	5/16" to 1/2"	781011 04805	50	**192.39**
BCH21-E-9-12	1 5/16"	9/16" to 3/4"	781011 04807	50	**207.13**
BCH32-E-2-4	2"	1/8" to 1/4"	781011 04825	50	**216.35**
BCH32-E-5-8	2"	5/16" to 1/2"	781011 04827	50	**220.51**
BCH32-E-9-12	2"	9/16" to 3/4"	781011 04829	50	**235.25**

Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

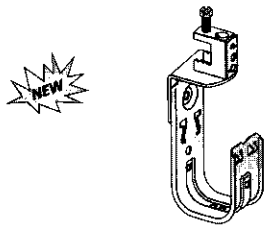
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Cable To Beam Fasteners



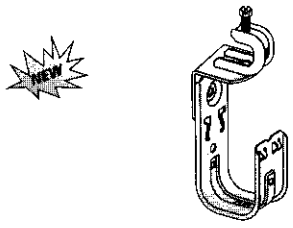
FEATURES

- 360° rotation allows cable to run in any direction.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a screwdriver.
- Static Load Capacity: 30 Lbs.



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-C2	$1^{5}/_{16}$"	Thru $^{1}/_{2}$"	781011 04821	50	**253.58**
BCH32-C2	2"	Thru $^{1}/_{2}$"	781011 04843	50	**281.70**
BCH64-C2	4"	Thru $^{1}/_{2}$"	781011 04867	25	**387.03**

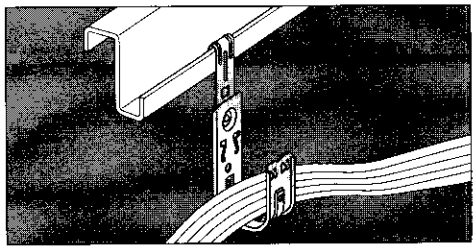
Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-C442	$1^{5}/_{16}$"	$^{1}/_{8}$" to $^{5}/_{8}$"	781011 04823	50	**283.35**
BCH32-C442	2"	$^{1}/_{8}$" to $^{5}/_{8}$"	781011 04845	50	**311.69**
BCH64-C442	4"	$^{1}/_{8}$" to $^{5}/_{8}$"	781011 04868	25	**416.92**

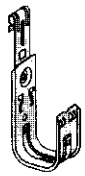
Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

Cable To Flange Fasteners



FEATURES

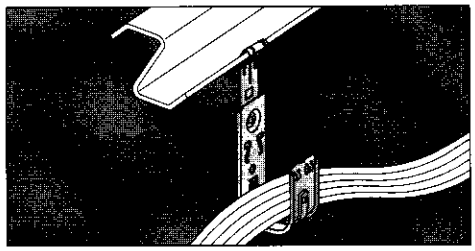
- Supports cable from vertical flanges.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a hammer.
- Static Load Capacity: 30 Lbs.



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-F3	$1^{5}/_{16}$"	$^{1}/_{16}$" to $^{1}/_{4}$"	781011 04815	50	**186.87**
BCH32-F3	2"	$^{1}/_{16}$" to $^{1}/_{4}$"	781011 04837	50	**214.99**
BCH64-F3	4"	$^{1}/_{16}$" to $^{1}/_{4}$"	781011 04869	25	**321.28**

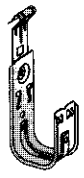
Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

Cable To Flange Fasteners



FEATURES

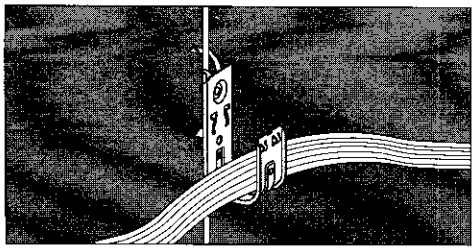
- Supports cable from angled flanges.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Simply installed with a hammer.
- Static Load Capacity: 30 Lbs.



PART NUMBER	HOOK SIZE	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-F4	$1^{5}/_{16}$"	$^{1}/_{16}$" to $^{1}/_{4}$"	781011 04817	50	**186.87**
BCH32-F4	2"	$^{1}/_{16}$" to $^{1}/_{4}$"	781011 04839	50	**214.99**
BCH64-F4	4"	$^{1}/_{16}$" to $^{1}/_{4}$"	781011 04870	25	**321.28**

Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

Cable To Rod Fasteners



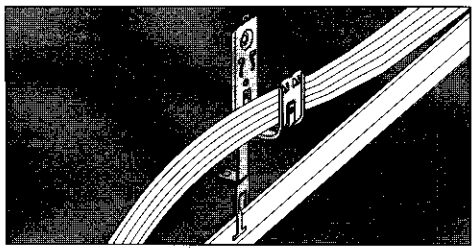
FEATURES

- W2 series supports cable from #12 wire thru 1/4" plain rod.
- W6 series supports cable from 3/8" plain or threaded rod.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 25 Lbs.

PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-W2	1 5/16"	#12 Wire Thru 1/4" Plain Rod	781011 04819	50	**182.15**
BCH21-W6	1 5/16"	#12 Wire Thru 1/4" Plain Rod	781011 95567	50	**181.92**
BCH32-W2	2"	#12 Wire Thru 1/4" Plain Rod	781011 04841	50	**210.04**
BCH32-W6	2"	#12 Wire Thru 1/4" Plain Rod	781011 95569	50	**210.14**

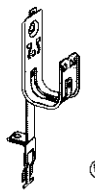
Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

Cable To T-Bar Fasteners



FEATURES

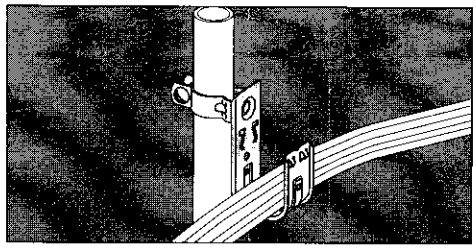
- Supports cable above ceiling grid.
- 360° rotation allows cable to run in any direction.
- Provides compliance with the new 1997 EIA/TIA standard 569-A.
- Permits dropwire attachment if required.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs.



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-A28	1 5/16"	Cable to T-Bar	781011 04857	50	**288.24**
BCH32-A28	2"	Cable to T-Bar	781011 04858	50	**316.70**

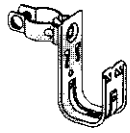
Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

Cable To Floor Support Fasteners



FEATURES

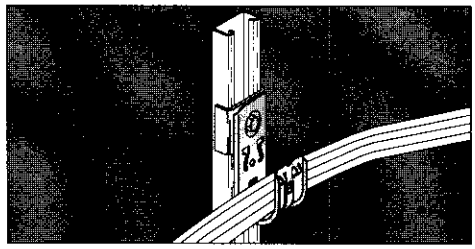
- Supports cable from computer floor post.
- Organizes cable off the floor for a neat installation.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs.



PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-L1410	1 5/16"	1" O.D. Floor Post	781011 04851	50	**177.02**
BCH32-L1410	2"	1" O.D. Floor Post	781011 04855	50	**205.14**
BCH64-L1410	4"	1" O.D. Floor Post	781011 04871	25	**297.31**

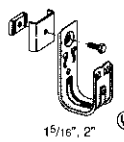
Note: Part numbers listed above are supplied with galvanized hooks only. Patent # 5961081

Cable To Strut Fasteners

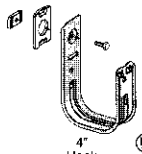


FEATURES

- Provides means for directly attaching cable hooks to standard 1 5/8" strut.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Hex head screw and channel nut included.
- Static Load Capacity:
  Galv. & Stainless Steel-30 lbs.
  Zinc-Pltd. Spring Steel-100 lbs.



1 5/16", 2" Hooks



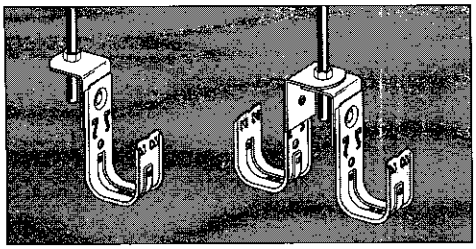
4" Hook

PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-SM	1 5/16"	Strut Mount	781011 04746	50	**255.86**
BCH32-SM	2"	Strut Mount	781011 04750	50	**264.28**
BCH64-SM	4"	Strut Mount	781011 04754	25	**340.22**

Note: Part numbers listed are galvanized hooks - insert "SS4" before dash for Stainless Steel or insert "H" before dash for Zinc-Plated Spring Steel for heavy-duty applications. See alphanumeric index for ordering. Patent # 5961081

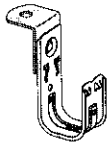
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Cable To ATR Fasteners



FEATURES

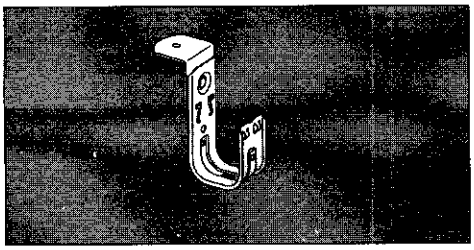
- .505" diameter hole designed to support cable from 3/8" or 1/2" threaded rod.
- Allows back-to-back and multi-tier installations.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs.



PART NUMBER	HOOK SIZE	HOLE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-AB	1 5/16"	.505" Diameter	781011 04725	50	**178.38**
BCH32-AB	2"	.505" Diameter	781011 04729	50	**206.50**
BCH64-AB	4"	.505" Diameter	781011 04732	25	**337.24**

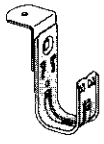
Note: Part numbers listed above are for galvanized hooks - Insert "SS4" before dash for Stainless Steel.
See alphanumeric index for pricing.
Patent # 5961081

Angle Bracket Cable Fasteners



FEATURES

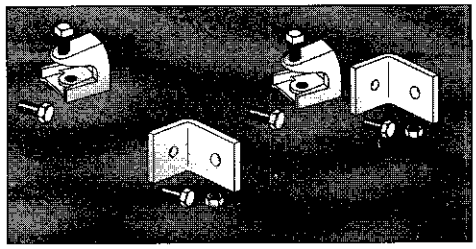
- Designed for direct attachment to structures.
- Supports cable from 1/4" threaded rod.
- .265" diameter hole accepts anchors, screws or common nails.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- Static Load Capacity: 30 Lbs



PART NUMBER	HOOK SIZE	HOLE SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BCH21-RB	1 5/16"	.265" Diameter	781011 04735	50	**178.38**
BCH32-RB	2"	.265" Diameter	781011 04738	50	**206.50**
BCH64-RB	4"	.265" Diameter	781011 04742	25	**337.24**

Note: Part numbers listed above are for galvanized hooks - Insert "SS4" before dash for Stainless Steel.
See alphanumeric index for pricing.
Patent # 5961081

Multi-Tier Attachment Kits



FEATURES

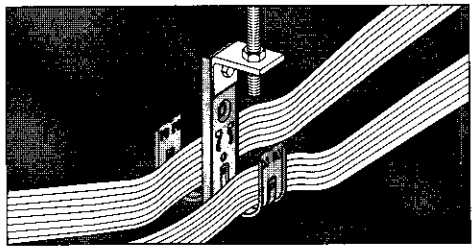
- Kits permit secure attachment of single-tier and multi-tier fasteners.
- BCHK1 includes:
  - 1 ea. beam clamp
  - 1 ea. 1/4-20 x 1/2" hex head cap screw
- BCHK2 includes:
  - 1 ea. angle bracket
  - 1 ea. 5/16-18 x 3/4" hex head cap screw
  - 1 ea. 5/16-18 hex nut
- BCHK3 includes:
  - 1 ea. BCHK1
  - 1 ea. BCHK2

PART NUMBER	DESCRIPTION	FLANGE THICKNESS	UPC NO. 781011	BOX QTY.	PRICE PER 100
BCHK1	Beam Clamp Kit	Thru 5/8"	781011 04872	25	**170.19**
BCHK2 **	Angle Bracket Kit	—	781011 04860	25	**110.14**
BCHK3	Beam Clamp with Angle Bracket (swivels 360°)	Thru 5/8"	781011 04873	25	**272.82**

Patent # 5961081

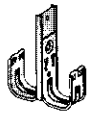
** Available in stainless steel (SS4). See alphanumeric index for pricing.

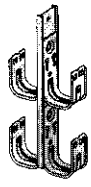
Double-Sided Multi-Tier Cable Fasteners



FEATURES

- Factory assembled multi-tier fasteners increase installation flexibility.
- Unique design prevents hooks and assembly from rotating when pulling cable.
- All support bars furnished in 6063-T6 aluminum.
- Shown with optional BCHK2 kit.
- Static Load Capacity: (per hook)
  Galv. & SS4 = 30 Lbs.
  Zinc Plated Spring Steel = 100 Lbs.


1D


2D

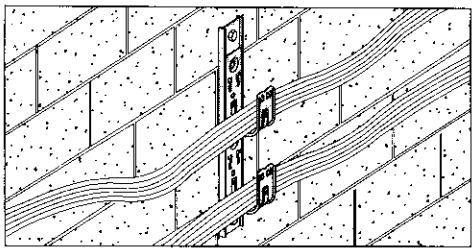
PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER EACH
BCH21-1D	1 5/16"	1 Tier, 2-Sided, 5 1/2" Height	781011 04758	20	**3.70**
BCH32-1D	2"	1 Tier, 2-Sided, 6 3/16" Height	781011 04762	20	**4.39**
BCH64-1D	4"	1 Tier, 2-Sided, 9" Height	781011 04874	10	**6.28**
BCH21-2D	1 5/16"	2 Tier, 2-Sided, 9 1/4" Height	781011 04766	10	**7.40**
BCH32-2D	2"	2 Tier, 2-Sided, 11" Height	781011 04770	10	**8.76**
BCH64-2D	4"	2 Tier, 2-Sided, 18 1/4" Height	781011 04875	10	**12.55**

Note: Part numbers listed are galvanized hooks - Insert "SS4" before dash for Stainless Steel or insert "HT" before dash for Zinc-Plated Spring Steel for heavy-duty applications.
See alphanumeric index for pricing.
Patent # 5961081

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

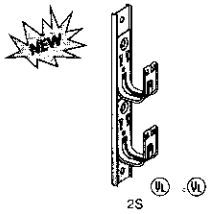
B-Line®

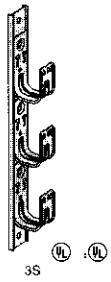
Single-Sided Multi-Tier Cable Fasteners



FEATURES

- Factory assembled multi-tier fasteners increase installation flexibility.
- Available in two-tier through six-tier assemblies.
- Unique design prevents hooks and assembly from rotating when pulling cable.
- Designed to accept optional exclusive Qwik-Latch™ cable retainers or cable ties.
- All support bars furnished in 6063-T6 aluminum.
- Static Load Capacity: (per hook)
  Galv. & SS4 = 30 Lbs.
  Zinc Plated Spring Steel = 100Lbs.



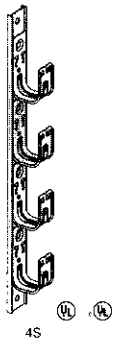


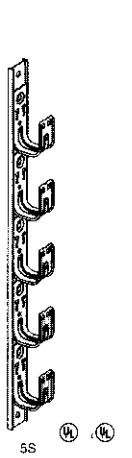
PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER each
BCH21-2S	1 5/16"	2 Tier, Single-Sided 11" Overall Height	78101104773	10	**4.04**
BCH32-2S	2"	2 Tier, Single-Sided 12 3/4" Overall Height	78101104776	10	**4.73**
BCH64-2S	4"	2 Tier, Single-Sided 22 7/16" Overall Height	78101195300	10	**6.84**
BCH21-3S	1 5/16"	3 Tier, Single-Sided 14 3/4" Overall Height	78101104779	10	**5.98**
BCH32-3S	2"	3 Tier, Single-Sided 17 1/2" Overall Height	78101104782	10	**7.12**
BCH64-3S	4"	3 Tier, Single-Sided 31 13/16" Overall Height	78101195303	10	**10.17**

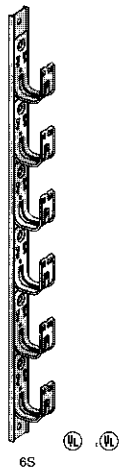
Note: Part numbers listed are galvanized hooks - insert "SS4" before dash for Stainless Steel or insert "H" before dash for Zinc-Plated Spring Steel for heavy-duty applications. See alphanumeric index for pricing.

Patent # 5961081

Single-Sided Multi-Tier Cable Fasteners







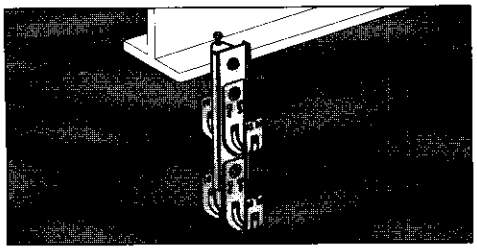
PART NUMBER	HOOK SIZE	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER EACH
BCH21-4S	1 5/16"	4 Tier, Single-Sided 18 1/2" Overall Height	78101104785	10	**8.08**
BCH32-4S	2"	4 Tier, Single-Sided 21 3/4" Overall Height	78101104788	10	**9.62**
BCH21-5S	1 5/16"	5 Tier, Single-Sided 21 3/4" Overall Height	78101104791	10	**9.96**
BCH32-5S	2"	5 Tier, Single-Sided 27" Overall Height	78101104794	10	**11.90**
BCH21-6S	1 5/16"	6 Tier, Single-Sided 26" Overall Height	78101104797	10	**11.78**
BCH32-6S	2"	6 Tier, Single-Sided 31 3/4" Overall Height	78101104800	10	**14.11**

Note: Part numbers listed are galvanized hooks - insert "SS4" before dash for Stainless Steel or insert "H" before dash for Zinc-Plated Spring Steel for heavy-duty applications. See alphanumeric index for pricing

Patent # 5961081

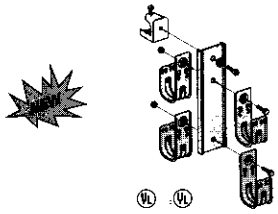
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Multi-Tier Cable Hook Kits



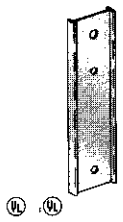
FEATURES

- Multi-Tier cable hook kits allow for flexibility during installation.
- Unique design prevents hooks and assembly from rotating when pulling cable.
- All support bars furnished in 6063-T6 aluminum.
- Static Load Capacity: (per hook)
  Galv. & Stainless Steel-30 Lbs.
  Zinc-Plated Spring Steel-100 Lbs.
- All hardware included.



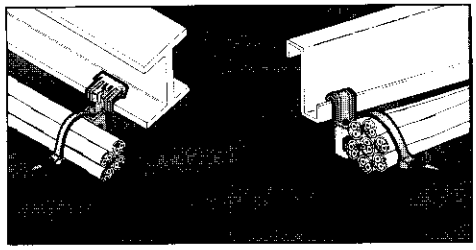
PART NUMBER	KIT CONTENTS	UPC NO.	BOX QTY.	PRICE PER KIT
BCH-KIT-A	BCH32 (20 pcs.) BCH-HB21 (5 pcs.) B444-1/4 (5 pcs.)	781011 99575	1 Kit	**47.07**
BCH-KIT-B	BCH21 (10 pcs.) BCH32 (10 pcs.) BCH-HB21 (5 pcs.) B444-1/4 (5 pcs.)	781011 99577	1 Kit	**60.51**
BCH-KIT-C	BCH21 (20 pcs.) BCH-HB21 (5 pcs.) B444-1/4 (5 pcs.)	781011 99578	1 Kit	**57.38**
BCH-KIT-D	BCH64 (20 pcs.) BCH-HB64 (5 pcs.) B444-1/4 (5 pcs.)	781011 99579	1 Kit	**117.66**

Patent # 5961081



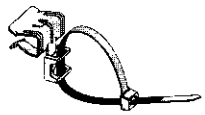
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BCH-HB21	Support Bar for BCH21 and BCH32	781011 99572	20	**76.39**
BCH-HB64	Support Bar for BCH64	781011 99574	20	**186.76**

Cable Fasteners

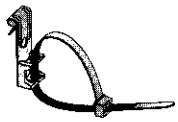


FEATURES

- Supports cable ties up to 9/32" wide from flanges 1/16" to 3/4" thick.
- Designed for securing communication cables.
- 8" cable tie included.
- Simply installed with a hammer.

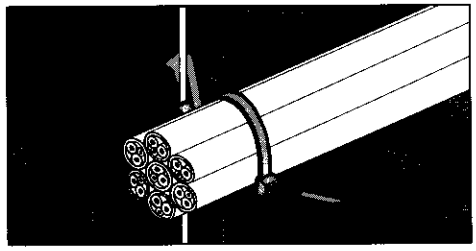


PART NUMBER	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BE-2-4-CT2	1/8" to 1/4"	781011 19970	100	**84.53**
BE-5-8-CT2	5/16" to 1/2"	781011 19971	100	**84.53**
BE-9-12-CT2	9/16" to 3/4"	781011 19972	100	**99.39**



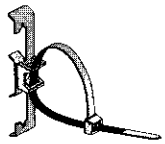
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BF1-CT2	1/16" to 5/32"	781011 19968	100	**98.30**
BF2-CT2	5/32" to 1/4"	781011 19969	100	**98.30**

Cable Fasteners



FEATURES

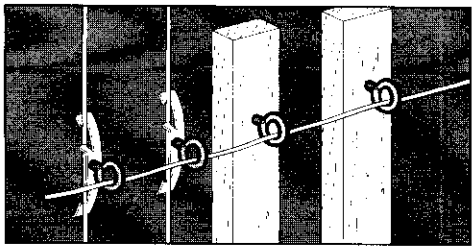
- Supports cable ties up to 9/32" wide from drop wires.
- Designed for securing communication cables.
- 8" cable tie included.



PART NUMBER	ROD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BW2-CT2	#12 wire thru 1/4" plain rod	781011 02866	100	**84.53**
BW6-CT2	3/8" plain or threaded rod	781011 95603	100	**84.52**

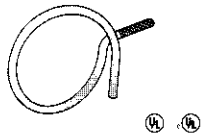
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Threaded Bridle Rings



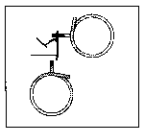
FEATURES

- Supports low voltage communication cables from beams or rods when used with other fasteners.
- ***Ultimate Static Load Capacity:*** 50 Lbs.

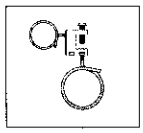


PART NUMBER	RING SIZE	THREAD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BR-8-T	1/2"	#10-24	781011 19550	100	**45.43**
BR-12-T	3/4"	#10-24	781011 19555	100	**49.92**
BR-20-T	1 1/4"	#10-24	781011 19560	100	**60.28**
BR-32-T	2"	#10-24	781011 19570	100	**66.82**
BR-20-4T	1 1/4"	1/4"-20	781011 19565	100	**70.59**
BR-32-4T	2"	1/4"-20	781011 19575	100	**75.14**
BR-64-4T	4"	1/4"-20	781011 19889	50	**104.33**

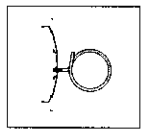
Also available for use with the following B-Line Fasteners.



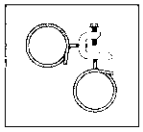
BU-9-12



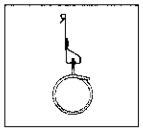
BC1



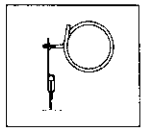
BW2



BC442

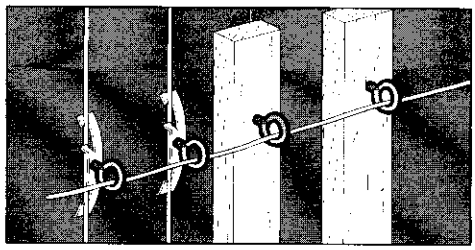


BH4-F1/F2



BA5-4T

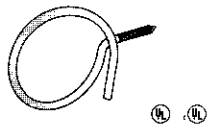
Threaded Bridle Rings



FEATURES

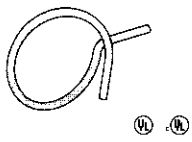
- Supports low voltage communication cables from wood structures.
- ***Ultimate Static Load Capacity:*** 50 Lbs.

Lag Screw for Wood Beams.



PART NUMBER	RING SIZE	THREAD SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BR-16-3W	1"	3/16"	781011 19875	100	**60.96**
BR-24-4W	1 1/2"	1/4"	781011 19886	100	**68.41**
BR-32-4W	2"	1/4"	781011 19876	100	**73.03**

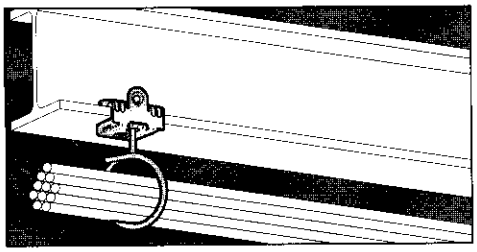
Unthreaded Bridle Rings



PART NUMBER	RING SIZE	UPC NO.	BOX QTY.	PRICE PER 100
BR-8	1/2"	781011 02909	100	**17.70**
BR-12	3/4"	781011 02910	100	**18.84**
BR-20	1 1/4"	781011 02913	100	**23.62**
BR-32	2"	781011 02915	100	**33.69**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Bridle Ring/Beam Fastener Assy.

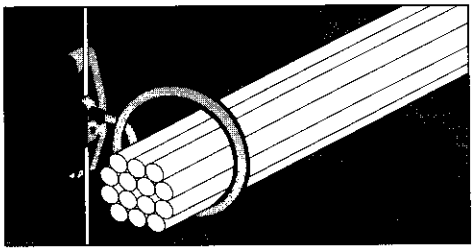


FEATURES

- Supports low voltage communication cables from beam flanges 1/8" to 3/4" thick.
- Pre-assembled with 2" bridle ring.
- Reduces installation time.
- Static Load Capacity : 15 lbs.

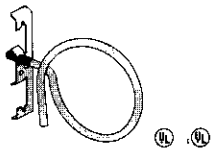
PART NUMBER	FLANGE THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BR-32-4T-U-2-4	1/8" to 1/4"	781011 02921	50	**135.93**
BR-32-4T-U-5-8	5/16" to 1/2"	781011 02923	50	**138.37**
BR-32-4T-U-9-12	9/16" to 3/4"	781011 02924	50	**160.75**

Bridle Ring/Rod & Wire Fastener Assy.



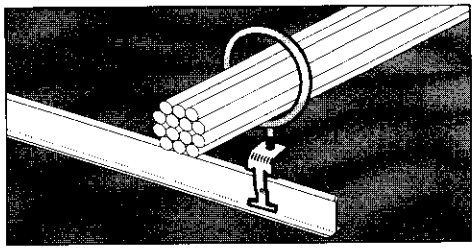
FEATURES

- Supports low voltage communication cables from drop wire.
- Pre-assembled with 2" bridle ring.
- Reduces installation time.
- Static Load Capacity : 15 lbs.



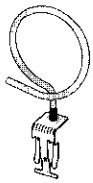
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BR-32-4T-W2	2" Ring Size	781011 02929	50	**115.77**

Bridle Rings/T-Bar Fastener Assy.



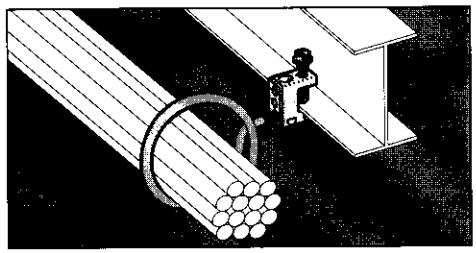
FEATURES

- Supports low voltage communication cables above the T-Bar.
- Pre-assembled with 2" bridle ring.
- Reduces installation time.
- For positioning only - No Load Rating



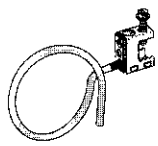
PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BR-32-4T-A6	2" Ring Size	781011 02934	50	**123.63**

Bridle Ring/Beam Fastener Assy.



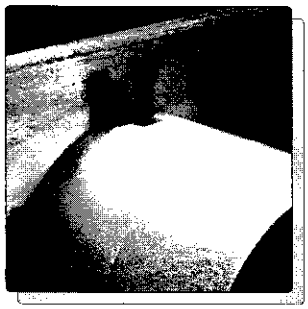
FEATURES

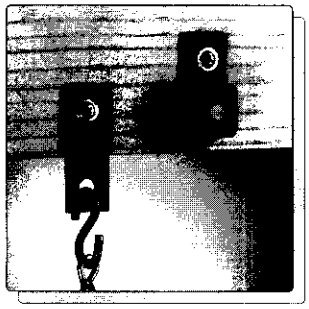
- Supports low voltage communication cables from beam flanges thru 1/2" thick.
- Pre-assembled with 2" bridle ring.
- Reduces installation time.
- Static Load Capacity : 15 lbs.

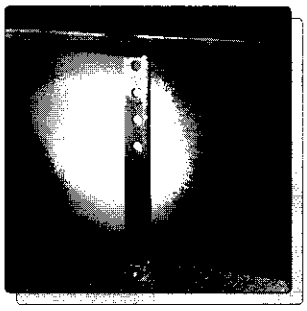


PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BR-32-4T-C1	2" Ring Size	781011 02937	50	**152.67**

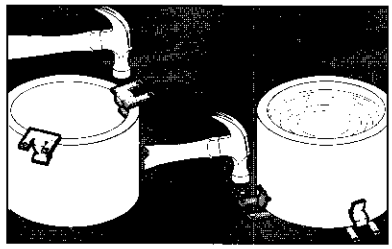
Accessories





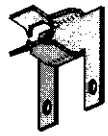


Pipe Sleeve Fasteners

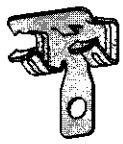


FEATURES

- Allows for rigid attachment of pipe sleeves to wall and floor forms for concrete pouring.
- Accommodates Schedule 40, Schedule 80, or 5/16" and smaller wall thickness.
- Simply installed with a hammer.



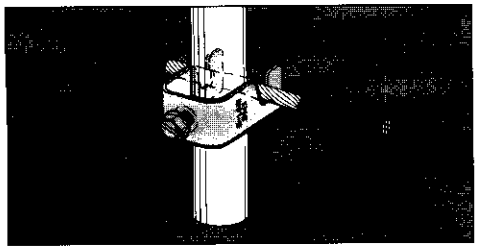
PART NUMBER	SLEEVE DIAMETER	WALL THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BD40	All Dia.	5/16" & Under	781011 18285	100	**32.73**
BD40	2" to 6"	Schedule 40 Pipe	781011 18285	100	**32.73**



PART NUMBER	SLEEVE DIAMETER	WALL THICKNESS	UPC NO.	BOX QTY.	PRICE PER 100
BE-5-8	6"	Schedule 80 Pipe	781011 18300	100	**32.78**
BE-5-8	8" to 10"	Schedule 40 Pipe	781011 18300	100	**32.78**
BE-9-12	9" to 14"	Schedule 80 Pipe	781011 18305	100	**48.55**

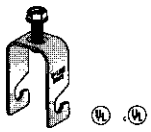
Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

Reference Wire Fasteners



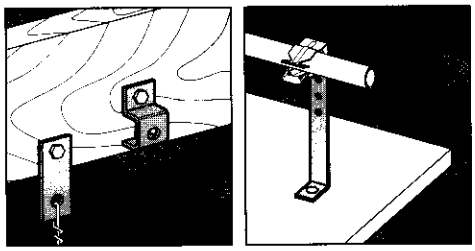
FEATURES

- Attaches signal reference grid wire to computer floor posts.
- Fits #8 thru #4 stranded wire. (.146" O.D. thru .232" O.D.)
- Fits 3/4" to 1" round or square posts.



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BM5	Signal Reference Grid Wire Fastener	78101101659	100	**63.98**

Brackets



FEATURES

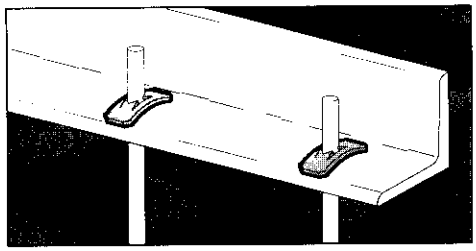
- Brackets are easily attached with screws or drive pins to wood, concrete or steel structures.
- Brackets are adaptable for use with a wide variety of fasteners, wires, "S" hooks and hangers.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BD2	Flat Bracket	78101101686	100	**17.02**

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BD4	Offset Bracket	78101118280	100	**19.47**

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BA28B	Angle Bracket	78101101449	50	**59.08**

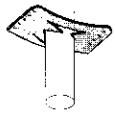
Accessory Nuts



FEATURES

- Push Nuts designed for use with plain rod.
- "U" Nuts provide 1/4"-20 thread impression for unthreaded hole.
- No installation tools required.

Push Nuts

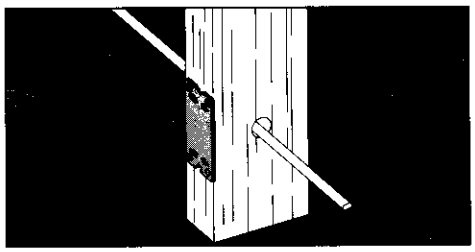


PART NUMBER	ROD/WIRE SIZE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BN-2	#8 Wire	100 lbs. thru 3/8" Hole	78101119115	100	**10.19**
BN-4	1/4" Plain Rod	100 lbs. thru 3/8" Hole	78101119120	100	**10.19**
BN-6	3/8" Plain Rod	200 lbs. thru 1/2" Hole	78101119125	100	**10.19**

"U" Nuts With Thread Impression

PART NUMBER	ROD/WIRE SIZE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
BN1	1/4" Threaded Rod	50 lbs. on 9/32" Hole	78101119110	100	**16.11**

Nail Plates



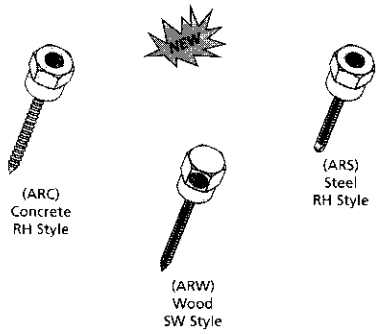
FEATURES

- Protects cable and plastic pipe from screw or nail penetration.
- Easily installed with a hammer.
- Complies with NEC Article 300-4.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BM3	Nail Plate	78101104927	100	**13.67**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.

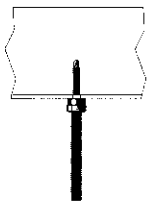
Rapid Rod™ Hangers



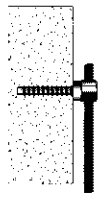
FEATURES

- Rapid Rod™ Hangers are used for hanging 1/4"-20 & 3/8"-16 threaded rod.
- For use in concrete, wood or steel.
- No pilot hole required for wood or steel.
- Installation tool available or can be used with a 5/8" socket.
- Additional sizes and styles can be found in B-Line's Anchor Systems catalog.
- Sidewinder (SW) hangers available for side mounting applications.

PART NUMBER	ROD SIZE	SCREW SIZE	PILOT HOLE	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
ARC-1-RH25	1/4"-20	1/4" x 1 3/4"	3/16"	500 Lbs.	78101103333	100	**SAPL**
ARC-1-RH37	3/8"-16	5/16" x 1 3/4"	1/4"	500 Lbs.	78101103332	100	**SAPL**
ARC-1-SW37	3/8"-16	5/16" x 2"	1/4"	500 Lbs.	78101104585	100	**SAPL**
ARW-5-RH25	1/4"-20	1/4" x 2"	--	375 Lbs.	78101103338	100	**SAPL**
ARW-5-RH37	3/8"-16	1/4" x 2"	--	375 Lbs.	78101103335	100	**SAPL**
ARW-1-SW37	3/8"-16	1/4" x 2"	--	200 Lbs.	78101104297	100	**SAPL**
ARS-10-RH25	1/4"-20	1/4" x 2"	--	500 Lbs.	78101103328	100	**SAPL**
ARS-10-RH37	3/8"-16	1/4" x 2"	--	500 Lbs.	78101103322	100	**SAPL**
ARS-1-SW37	3/8"-16	1/4" x 2"	--	340 Lbs.	78101104294	100	**SAPL**



Rapid Rod™
Hanger
(Shown in steel)



Rapid Rod™
Sidewinder™
Hanger
(Shown in concrete)

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER EACH
ARR-T	Standard Rapid Rod™ Tool for RH	78101103570	1	**SAPL**
ASW-T	Sidewinder™ Tool for SW	78101104302	1	**SAPL**

Concrete Screws

FEATURES

- Concrete Screws (ACS) can be used in concrete, block or brick. One drill bit provided with every 100 screws.
- Additional sizes can be found in B-Line's Anchor Systems catalog.

PART NUMBER	SCREW SIZE	PULL-OUT LOAD CAP.	SHEAR LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
ACS-18-175H	3/16" x 1 3/4"	100 Lbs.	210 Lbs.	78101103343	100	**SAPL**
ACS-18-225H	3/16" x 2 1/4"	100 Lbs.	210 Lbs.	78101103344	100	**SAPL**
ACS-25-175H	1/4" x 1 3/4"	200 Lbs.	390 Lbs.	78101103352	100	**SAPL**
ACS-25-225H	1/4" x 2 1/4"	200 Lbs.	390 Lbs.	78101103353	100	**SAPL**

PART NUMBER	SCREW SIZE	PULL-OUT LOAD CAP.	SHEAR LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
ACS-18-175F	3/16" x 1 3/4"	100 Lbs.	210 Lbs.	78101103360	100	**SAPL**
ACS-18-225F	3/16" x 2 1/4"	100 Lbs.	210 Lbs.	78101103361	100	**SAPL**
ACS-25-175F	1/4" x 1 3/4"	200 Lbs.	390 Lbs.	78101103367	100	**SAPL**
ACS-25-225F	1/4" x 2 1/4"	200 Lbs.	390 Lbs.	78101103368	100	**SAPL**

Plastic Screw Anchors

FEATURES

- Plastic screw anchors (APS) can be used in concrete, brick or drywall.
- Lateral ribs increase pull-out strength.
- Kits and master cartons are available in B-Line's Anchor Systems catalog.

PART NUMBER	SCREW SIZE	ANCHOR LENGTH	STATIC LOAD CAP.	UPC NO.	BOX QTY.	PRICE PER 100
APS-4-87	#4, #6, #8	7/8"	50 Lbs.	78101102982	100	**SAPL**
APS-8-125	#8, #10, #12	1 1/4"	100 Lbs.	78101102984	100	**SAPL**
APS-12-150	#12, #14, #16	1 1/2"	150 Lbs.	78101102985	100	**SAPL**

Accessories

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.
SAPL = See Anchors Price List

Hardware

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
SHHMS 1/4 x 1/2	1/4"-20 x 1/2" Slotted Hex Head Machine Screw	781011 01687	100	**SSPL**

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
MSQN1/4	1/4"-20 Machine Square Nut	781011 42103	100	**SSPL**

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BWHS-9	Sheet Metal Screw #8 x 9/16"	781011 01675	1000	**2.44**

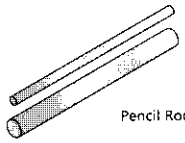
Note: BWHS-9 can be used with all fasteners requiring attachment with sheet metal screws.

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
BWHS-9D	#8 x 1/2" Self-Drilling Sheet Metal Screw	781011 04925	1000	**2.44**

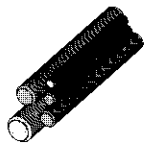
Note: BWHS-9D can be used with all fasteners requiring attachment with sheet metal screws except BB2-16, BB2-16D, BB2-24 & BB2-24D.

Hardware

PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100
DS16x2	Drive Screw	781011 42022	100	**SPHPL**



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100 FT
PR 1/4 x 36	1/4" x 36" Zinc-Plated Rod	781011 04986	150 ft	**31.87**
PR 1/4 x 72	1/4" x 72" Zinc-Plated Rod	781011 04985	300 ft	**31.87**
PR 3/8 x 36	3/8" x 36" Zinc-Plated Rod	781011 04984	60 ft	**60.33**
PR 3/8 x 72	3/8" x 72" Zinc-Plated Rod	781011 04983	120 ft	**60.33**



PART NUMBER	DESCRIPTION	UPC NO.	BOX QTY.	PRICE PER 100 FT
ATR 1/4 x 36	1/4"-20 x 36" Threaded Rod	781011 04982	150 ft	**SSPL**
ATR 1/4 x 72	1/4"-20 x 72" Threaded Rod	781011 69013	300 ft	**SSPL**
ATR 3/8 x 36	3/8"-16 x 36" Threaded Rod	781011 04657	60 ft	**SSPL**
ATR 3/8 x 72	3/8"-16 x 72" Threaded Rod	781011 69033	120 ft	**SSPL**

Read safety/installation instruction sheets in packages before use.
Prices are subject to change without notice.
SSPL = See Strut Price List
SPHPL = See Pipe Hanger Price List

B-Line

Alphanumeric Index/Price List

BLFPL-01
Prices subject to change without notice
Effective 7/2/01

Manufactured by
COOPER B-LINE, INC.
509 W. Monroe Street, Highland, IL 62249
PHONE: 618-654-2184 • FAX: 618-654-1917

Part No.	Qty. Box/Case	Wt./Box Lbs	Price	UPC No.	Page No.
ACS-18-175F	100/2000	.9	SAPL	781011 03360	61
ACS-18-175H	100/2000	1.0	SAPL	781011 03343	61
ACS-18-225F	100/1000	1.2	SAPL	781011 03361	61
ACS-18-225H	100/1000	1.4	SAPL	781011 03344	61
ACS-25-175F	100/1000	1.6	SAPL	781011 03367	61
ACS-25-175H	100/1000	1.7	SAPL	781011 03352	61
ACS-25-225F	100/1000	2.1	SAPL	781011 03368	61
ACS-25-225H	100/1000	2.1	SAPL	781011 03353	61
APS-4-87	100/2000	0.1	SAPL	781011 02982	61
APS-8-125	100/1000	0.2	SAPL	781011 02984	61
APS-12-150	100/1000	0.3	SAPL	781011 02985	61
ARC-1-RH25	100/--	5.4	SAPL	781011 03333	61
ARC-1-RH37	100/--	5.3	SAPL	781011 03332	61
ARC-1-SW37	100/--	7.0	SAPL	781011 04585	61
ARR-T	1	0.1	SAPL	781011 03570	61
ARS-1-SW37	100/--	7.0	SAPL	781011 04294	61
ARS-10-RH25	100/--	5.8	SAPL	781011 03328	61
ARS-10-RH37	100/--	5.8	SAPL	781011 03322	61
ARW-1-SW37	100/--	7.0	SAPL	781011 04297	61
ARW-5-RH25	100/400	5.8	SAPL	781011 03338	61
ARW-5-RH37	100/400	5.8	SAPL	781011 03335	61
ASW-T	1/--	0.2	SAPL	781011 04302	61
ATR 1/4 x 36	150 ft.	18.0	SSPL	781011 04982	62
ATR 1/4 x 72	300 ft.	36.0	SSPL	781011 69013	62
ATR 3/8 x 36	60 ft.	17.4	SSPL	781011 04657	62
ATR 3/8 x 72	120 ft.	34.8	SSPL	781011 69033	62
B444-1/4	50/--	12.0	SSPL	781011 55333	36
B444-3/8	25/--	17.8	SSPL	781011 55343	36
B1508	100/1000	6.8	46.17	781011 63150	13
B1508S	100/1000	7.6	68.37	781011 63164	13
B1512	100/1000	7.4	48.27	781011 63154	13
B1512S	100/1000	8.5	70.88	781011 63168	13
B1516	100/1000	9.4	57.27	781011 63157	13
B1516S	100/1000	11.6	70.88	781011 63171	13
B1520	100/600	11.3	64.23	781011 63160	13
B1520S	100/1000	13.3	72.45	781011 63177	13
B1524S	50/300	8.5	76.90	781011 63182	13
B1532S	50/300	11.0	83.92	781011 63188	13
B1534S	25/250	6.0	123.55	781011 63193	13
B1540S	25/150	7.0	141.24	781011 63199	13
B1548S	25/150	7.7	179.87	781011 63205	13
B1556S	10/100	3.7	210.13	781011 63211	13
B1564S	10/60	4.0	249.71	781011 63215	13
B3223-3/8	100/1000	6.0	SPHPL	781011 01661	46
BA1	100/600	8.0	65.63	781011 18065	26
BA1-24	100/600	8.7	77.30	781011 18070	26
BA1-32	100/600	9.9	94.20	781011 18075	26
BA1-T	100/600	6.1	67.00	781011 02891	26
BA1-T-BN	100/600	6.6	67.00	781011 02897	26
BA-2-9	100/1000	1.6	50.37	781011 03467	28
BA-2-9-BN	100/1000	1.8	50.37	781011 03465	28
BA-2-9-W	100/1000	1.7	53.96	781011 03459	28
BA-2-9-WBN	100/1000	1.9	53.96	781011 03460	28
BA-2-9-7	100/1000	1.6	50.37	781011 03466	28
BA-2-9-7-BN	100/1000	1.8	50.37	781011 03464	28
BA-2-16	100/1000	2.4	50.37	781011 18000	27
BA-2-16-BN	100/1000	2.6	50.37	781011 18005	27
BA-2-16-W	100/1000	2.4	56.24	781011 18010	27
BA-2-16-WBN	100/1000	2.8	56.24	781011 18015	27
BA-2-16-7	100/1000	2.5	50.89	781011 04259	27
BA-2-16-7-BN	100/1000	2.7	56.46	781011 04260	27
BA-2-16-7-W	100/1000	2.7	56.24	781011 04261	27
BA-2-16-7-WBN	100/1000	2.9	56.24	781011 99566	27
BA-4-WN	100/1000	1.3	13.67	781011 18060	27
BA-4-9	100/1000	3.1	50.37	781011 03458	28
BA-4-9-LN	100/1000	2.9	41.50	781011 03463	28
BA-4-9-LS	100/1000	2.9	37.51	781011 03462	28
BA-4-9-W	100/1000	3.1	53.96	781011 03461	28
BA-4-16	100/1000	4.2	48.95	781011 18020	27
BA-4-16-24	100/1000	5.6	65.68	781011 18025	27
BA-4-16-32	100/1000	5.8	83.90	781011 18030	27
BA-4-16-48	100/1000	5.2	83.90	781011 18035	27
BA-4-16-H	100/1000	1.7	40.07	781011 18040	26
BA-4-16-H1	100/1000	1.8	40.07	781011 04449	26
BA-4-16-LN	100/1000	3.0	43.15	781011 18045	27
BA-4-16-LS	100/1000	1.7	39.16	781011 18050	27
BA-4-16-W	100/1000	4.1	60.96	781011 18055	27
BA5-4T	100/1000	3.2	30.62	781011 18120	21
BA6-4T	100/1000	3.3	30.62	781011 18125	21
BA12	50/500	17.5	348.60	781011 18080	23
BA12-12	50/500	12.0	461.06	781011 18082	23
BA12-20	50/500	15.8	461.06	781011 18085	23
BA12-30	50/500	20.4	461.29	781011 18087	23
BA12-OB-24	10/200	5.7	521.56	781011 03619	23
BA12-OB-34	10/200	6.3	567.15	781011 03622	23
BA12-SB-24	10/200	6.5	493.39	781011 03621	23
BA13	25/250	10.0	596.13	781011 18089	23
BA13-41/4	25/250	11.4	596.13	781011 01660	23
BA14	100/1000	4.6	33.98	781011 18090	20
BA15	100/1000	1.5	23.16	781011 18095	20
BA17	10/200	6.6	4.50 †	781011 18100	25
BA18	10/200	6.6	4.50 †	781011 18105	25
BA20	10/350	7.7	6.71 †	781011 18110	25
BA-21	100/1000	0.8	15.08	781011 95575	27
BA-21D	100/1000	1.0	17.27	781011 99567	27
BA28	50/300	7.4	103.94	781011 18115	22
BA28B	50/500	5.7	59.08	781011 01449	60
BA40	20pr./200pr.	19.6	7.80 †	781011 99873	25
BA50	25/500	20.7	316.47	781011 96490	24
BA50A	10/500	14.0	596.13	782051 18460	24
BA50C12	25/500	1.4	22.37	781011 96488	24
BA50D	25/500	24.8	444.00	781011 96491	24
BA50E	20/500	2.5	143.00	781011 96489	24
BA50F	1/--	4.2	17.76 †	781011 96492	24
BA50T	50/500	2.2	17.55	781011 96565	24
BA311	100/800	9.3	59.54	781011 99569	28

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SAPL = See Anchor Price List

Part No.	Qty. Box/Case	Wt./Box Lbs	Price	UPC No.	Page No.
BA311-W2	100/800	12.0	**93.18**	78101199570	28
BA311-W6	100/800	12.0	**93.75**	78101199571	28
BAX-4-16	100/1000	4.2	**51.40**	78101104258	26
BAX-4-16-24	100/1000	5.0	**68.87**	78101104262	26
BAX-4-16-32	100/1000	5.8	**88.11**	78101104263	26
BAX-4-16-48	100/1000	7.0	**88.11**	78101104264	26
BB1	100/1000	2.4	**36.37**	78101118145	2
BB2-16	50/1000	20.0	**149.58**	78101118160	6
BB2-16D	50/1000	20.0	**159.72**	78101118161	6
BB2-16T	50/1000	23.0	**137.82**	78101104256	6
BB2-24	50/1000	23.6	**201.10**	78101118165	6
BB2-24D	50/1000	23.6	**205.25**	78101118166	6
BB2-24T	50/1000	31.0	**183.80**	78101101664	6
BB2-AC	25/250	1.5	**34.04**	78101101145	6
BB2-ACD	25/250	1.5	**34.04**	78101101221	6
BB3	100/1000	9.5	**73.94**	78101118195	5
BB4-4	100/1000	15.6	**81.28**	78101118200	5
BB4-6	25/100	5.9	**99.50**	78101118202	5
BB4-23	100/1000	13.7	**75.71**	78101118190	5
BB4-XB	50/1000	20.1	**112.47**	78101118203	5
BB4-XT6	100/1000	9.0	**26.87**	78101118204	5
BB5-0	100/600	8.4	**111.45**	78101118220	4
BB5-4	100/600	8.4	**87.26**	78101118225	4
BB5-6	100/600	8.4	**87.26**	78101118230	4
BB5-8	100/600	8.4	**87.26**	78101118235	4
BB5-10	100/600	8.4	**87.26**	78101118240	4
BB5-12	100/600	8.4	**87.26**	78101118245	4
BB6	100/1000	5.4	**51.51**	78101118255	4
BB6-A	100/600	9.0	**115.50**	78101118260	4
BB7	100/1000	3.1	**23.57**	78101118265	3
BB8-16	25/250	10.6	**168.43**	78101102898	7
BB8-24	25/250	20.0	**226.72**	78101102900	7
BB9	100/1000	5.2	**48.32**	78101118270	3
BB10	50/300	3.4	**74.60**	78101118150	50
BB10-2	10/100	1.4	**135.70**	78101118152	50
BB10-3	10/100	2.1	**203.66**	78101119878	50
BB10-4	10/100	2.8	**271.45**	78101119879	50
BB10L	50/300	3.8	**89.20**	78101190895	50
BB12	100/1000	7.0	**29.15**	78101192876	3
BB12-6	100/1000	11.0	**41.25**	78101192879	3
BB15	50/300	6.9	**68.41**	78101119873	7,49
BB-18	50/500	22.9	**167.23**	78101103623	7
BB20	10/360	0.8	**100.46**	78101118130	50
BB20L	50/300	5.2	**118.62**	78101190896	50
BB25	25/150	8.0	**220.10**	78101103625	7,49
BB25-10	25/150	8.8	**228.90**	78101103626	7,49
BB27	100/1000	2.7	**22.37**	78101118170	23
BB32	100/1000	2.4	**20.04**	78101118215	8
BB33	100 pr/1000 pr	5.6	**23.28**	78101101138	8
BB33L	100/1000	5.8	**23.28**	78101104936	8
BB38	100/1000	5.6	**24.70**	78101104265	10
BB38D	100/1000	6.0	**26.07**	78101195244	10
BB60	100/1000	3.9	**57.32**	78101119887	3
BC1	100/1000	5.3	**55.26**	78101118275	35
BC5	100/1000	7.1	**63.63**	78101104266	36
BC5-4	100/1000	8.0	**68.87**	78101104267	36
BC5-6	100/1000	7.7	**72.23**	78101104269	36
BC5-S	100/1000	7.4	**80.77**	78101104268	36
BC442	50/500	5.7	**54.60**	78101118278	34
BC442-6	25/250	7.4	**169.51**	78101104283	34
BCH21	50/300	7.7	**135.24**	78101104713	51
BCH21-1D	20/100	9.2	**3.70** †	78101104758	54
BCH21-2D	10/50	10.1	**7.40** †	78101104766	54
BCH21-2S	10/100	6.5	**4.04** †	78101104773	55
BCH21-3S	10/50	9.9	**5.98** †	78101104779	55
BCH21-4S	10/50	13.3	**8.08** †	78101104785	55
BCH21-5S	10/40	16.7	**9.96** †	78101104791	55
BCH21-6S	10/40	20.1	**11.78** †	78101104797	55
BCH21-A28	50/300	15.3	**288.24**	78101104857	53
BCH21-AB	50/300	17.1	**178.38**	78101104725	54
BCH21-C2	50/300	19.9	**253.58**	78101104821	52
BCH21-C442	50/300	22.9	**283.35**	78101104823	52
BCH21-E-2-4	50/300	9.2	**189.37**	78101104803	51
BCH21-E-5-8	50/300	11.3	**192.39**	78101104805	51
BCH21-E-9-12	50/300	9.9	**207.13**	78101104807	51
BCH21-F3	50/300	10.5	**186.87**	78101104815	52
BCH21-F4	50/300	10.5	**186.87**	78101104817	52
BCH21H	50/300	7.7	**169.05**	78101104714	51
BCH21H-1D	20/100	9.2	**4.50** †	78101104759	54
BCH21H-2D	10/50	10.1	**8.88** †	78101104767	54
BCH21H-2S	10/100	6.5	**4.78** †	78101104774	55
BCH21H-3S	10/50	9.9	**7.17** †	78101104780	55
BCH21H-4S	10/50	13.3	**9.67** †	78101104786	55
BCH21H-5S	10/40	16.7	**11.95** †	78101104792	55
BCH21H-6S	10/40	20.1	**14.17** †	78101104798	55
BCH21H-SM	50/200	18.4	**294.11**	78101104747	53
BCH21-L1410	50/300	11.4	**177.02**	78101104851	53
BCH21-RB	50/300	17.2	**178.38**	78101104735	54
BCH21-SM	50/200	18.4	**255.86**	78101104746	53
BCH21SS4	50/300	7.7	**228.36**	78101104715	51
BCH21SS4-1D	20/100	9.2	**5.80** †	78101104761	54
BCH21SS4-2D	10/50	10.1	**11.67** †	78101104769	54
BCH21SS4-2S	10/100	6.5	**6.09** †	78101104775	55
BCH21SS4-3S	10/50	9.9	**9.22** †	78101104781	55
BCH21SS4-4S	10/50	13.3	**12.58** †	78101104787	55
BCH21SS4-5S	10/40	16.7	**15.54** †	78101104793	55
BCH21SS4-6S	10/40	20.1	**18.50** †	78101104799	55
BCH21SS4-AB	50/300	17.1	**340.95**	78101104727	54
BCH21SS4-RB	50/300	17.2	**340.95**	78101104737	54
BCH21SS4-SM	50/200	18.4	**860.87**	78101104749	53
BCH21-U-2-4	50/300	20.2	**245.27**	78101104809	51
BCH21-U-5-8	50/300	20.1	**251.07**	78101104811	51
BCH21-U-9-12	50/300	21.3	**271.91**	78101104813	51
BCH21-W2	50/300	8.8	**182.15**	78101104819	53
BCH21-W6	50/300	8.9	**181.92**	78101195567	53
BCH32	50/200	10.3	**163.36**	78101104717	51
BCH32-1D	20/100	12.6	**4.39** †	78101104762	54
BCH32-2D	10/50	11.2	**8.76** †	78101104770	54
BCH32-2S	10/100	7.8	**4.73** †	78101104776	55
BCH32-3S	10/50	12.2	**7.12** †	78101104782	55
BCH32-4S	10/50	16.6	**9.62** †	78101104788	55
BCH32-5S	10/40	18.2	**11.90** †	78101104794	55
BCH32-6S	10/40	22.2	**14.11** †	78101104800	55
BCH32-A28	25/300	9.2	**316.70**	78101104858	53

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Alphanumeric Index/Price List

Part No.	Qty. Box/Case	Wt./Box Lbs	Price	UPC No.	Page No.
BCH32-AB	50/300	20.0	**206.50**	78101104729	54
BCH32-C2	50/300	22.5	**281.70**	78101104843	52
BCH32-C442	50/300	25.8	**311.69**	78101104845	52
BCH32-E-2-4	50/300	11.9	**216.35**	78101104825	51
BCH32-E-5-8	50/300	12.2	**220.51**	78101104827	51
BCH32-E-9-12	50/300	12.3	**235.25**	78101104829	51
BCH32-F3	50/300	13.0	**214.99**	78101104837	52
BCH32-F4	50/300	12.9	**214.99**	78101104839	52
BCH32H	50/200	9.4	**204.23**	78101104718	51
BCH32H-1D	20/100	12.6	**5.30** †	78101104763	54
BCH32H-2D	10/50	11.2	**10.58** †	78101104771	54
BCH32H-2S	10/100	7.8	**5.64** †	78101104777	55
BCH32H-3S	10/50	12.2	**8.48** †	78101104783	55
BCH32H-4S	10/50	16.6	**11.61** †	78101104789	55
BCH32H-5S	10/40	18.2	**14.35** †	78101104795	55
BCH32H-6S	10/40	22.2	**17.02** †	78101104801	55
BCH32H-SM	50/200	20.7	**313.69**	78101104751	53
BCH32-L1410	50/300	14.2	**205.14**	78101104855	53
BCH32-RB	50/300	19.7	**206.50**	78101104738	54
BCH32-SM	50/200	20.7	**264.28**	78101104750	53
BCH32SS4	50/200	10.0	**260.18**	78101104719	51
BCH32SS4-1D	20/100	12.6	**6.55** †	78101104765	54
BCH32SS4-2D	10/50	11.2	**13.09** †	78101104772	54
BCH32SS4-2S	10/100	7.8	**6.89** †	78101104778	55
BCH32SS4-3S	10/50	12.2	**10.47** †	78101104784	55
BCH32SS4-4S	10/50	16.6	**14.29** †	78101104790	55
BCH32SS4-5S	10/40	18.2	**17.70** †	78101104796	55
BCH32SS4-6S	10/40	22.2	**21.06** †	78101104802	55
BCH32SS4-AB	50/300	20.0	**385.06**	78101104731	54
BCH32SS4-RB	50/300	19.7	**385.06**	78101104741	54
BCH32SS4-SM	50/200	20.7	**892.06**	78101104753	53
BCH32-U-2-4	50/300	22.3	**276.80**	78101104831	51
BCH32-U-5-8	50/300	23.2	**279.20**	78101104833	51
BCH32-U-9-12	50/300	23.4	**300.02**	78101104835	51
BCH32-W2	50/300	11.7	**210.04**	78101104841	53
BCH32-W6	50/300	11.8	**210.14**	78101195569	53
BCH64	25/100	14.0	**243.57**	78101104721	51
BCH64-1D	10/50	14.4	**6.28** †	78101104874	54
BCH64-2D	10/50	28.7	**12.55** †	78101104875	54
BCH64-2S	10/100	9.4	**6.84** †	78101195300	55
BCH64-3S	10/50	14.8	**10.17** †	78101195303	55
BCH64-AB	25/100	22.2	**337.24**	78101104732	54
BCH64-C2	25/100	23.9	**387.03**	78101104867	52
BCH64-C442	25/100	25.6	**416.92**	78101104868	52
BCH64-F3	25/100	15.6	**321.28**	78101104869	52
BCH64-F4	25/100	15.6	**321.28**	78101104870	52
BCH64H	25/100	14.0	**341.01**	78101104722	51
BCH64H-1D	10/50	14.4	**8.19** †	78101104878	54
BCH64H-2D	10/50	28.7	**16.38** †	78101104876	54
BCH64H-SM	25/100	21.2	**501.44**	78101104755	53
BCH64-L1410	25/100	16.0	**297.31**	78101104871	53
BCH64-RB	25/100	22.8	**337.24**	78101104742	54
BCH64-SM	25/100	21.2	**340.22**	78101104754	53
BCH64SS4	25/100	14.0	**406.65**	78101104723	51
BCH64SS4-1D	10/50	14.4	**9.99** †	78101104879	54
BCH64SS4-2D	10/50	28.7	**19.96** †	78101104877	54
BCH64SS4-AB	25/100	22.2	**633.90**	78101104734	54
BCH64SS4-RB	25/100	22.8	**633.90**	78101104745	54
BCH64SS4-SM	25/100	21.2	**995.94**	78101104757	53
BCH64-U-2-4	25/100	24.5	**362.82**	78101104864	51
BCH64-U-5-8	25/100	24.0	**366.98**	78101104865	51
BCH64-U-9-12	25/100	24.3	**381.72**	78101104866	51
BCH-HB21	20/--	4.6	**76.39**	78101199572	56
BCH-HB64	20/--	9.4	**186.76**	78101199574	56
BCHK1	10/50	2.7	**170.19**	78101104872	54
BCHK2	10/50	4.3	**110.14**	78101104860	54
BCHK2SS4	25/50	10.5	**221.65**	78101104861	54
BCHK3	10/50	6.7	**272.82**	78101104873	54
BCH-KIT-A	1/--	6.7	**47.07** †	78101199575	56
BCH-KIT-B	1/--	6.2	**60.51** †	78101199577	56
BCH-KIT-C	1/--	5.7	**57.38** †	78101199578	56
BCH-KIT-D	1/--	15.0	**117.66** †	78101199579	56
BCHR21	50/500	0.3	**21.91**	78101104847	51
BCHR32	50/500	0.4	**23.05**	78101104848	51
BCHR64	50/500	1.9	**50.94**	78101104849	51
BD2	100/1000	2.5	**17.02**	78101101686	60
BD4	100/1000	4.5	**19.47**	78101118280	60
BD40	100/1000	1.4	**32.73**	78101118285	59
BE-1-2	100/1000	1.4	**26.41**	78101118290	29
BE-2-4	100/1000	2.9	**30.00**	78101118295	29
BE-2-4-CT2	100/1000	4.4	**84.53**	78101119970	56
BE-5-8	100/1000	3.4	**32.78**	78101118300	29,59
BE-5-8-CT2	100/1000	4.8	**84.53**	78101119971	56
BE-9-12	100/1000	3.9	**48.55**	78101118305	29,59
BE-9-12-CT2	100/1000	5.4	**99.39**	78101119972	56
BF1	100/1000	2.2	**28.00**	78101118310	43
BF1-40	100/1000	4.4	**56.12**	78101118320	3
BF1-56	100/1000	4.4	**57.78**	78101118325	3
BF1-64	100/1000	4.5	**57.78**	78101118330	3
BF1-96	100/1000	5.9	**69.32**	78101118335	3
BF1-CT2	100/1000	3.6	**98.30**	78101119968	56
BF2	100/1000	2.1	**28.00**	78101118315	43
BF2-CT2	100/1000	3.6	**98.30**	78101119969	56
BF3	100/1000	5.0	**27.37**	78101104270	42
BF4	100/1000	5.1	**27.37**	78101104271	41
BF12	100/1000	2.5	**29.83**	78101118340	40
BF13	100/1000	2.5	**29.83**	78101118345	40
BFA-1215	100/1000	2.5	**50.09**	78101119955	18
BFA-1520	100/1000	2.5	**50.09**	78101119956	18
BG-6	100/1000	2.8	**22.09**	78101118350	11
BG-6-4T	100/1000	2.8	**25.96**	78101118380	11
BG-6-A5	100/600	6.4	**74.46**	78101118410	21
BG-6-A6	100/600	6.3	**74.46**	78101188540	21
BG-6-B1	100/600	6.1	**63.98**	78101118420	2
BG-6-B5	100/600	8.4	**87.31**	78101118425	4
BG-6-E-2-4	100/1000	6.1	**76.67**	78101118430	30
BG-6-E-5-8	100/600	6.6	**76.67**	78101118435	30
BG-6-E-9-12	100/600	7.1	**87.09**	78101118440	30
BG-6-F1	100/1000	4.9	**54.76**	78101119957	44
BG-6-F2	100/1000	4.9	**54.76**	78101119960	44
BG-6-F13	100/1000	5.6	**73.43**	78101118445	40
BG-6-H7	100/1000	6.6	**60.56**	78101101228	9
BG-6-S18	25/--	8.0	**174.74**	78101103575	19
BG-6-S18-U-2-4	25/--	13.2	**257.23**	78101103583	37

Part No.	Qty. Box/Case	Wt./Box Lbs	Price	UPC No.	Page No.
BG-6-S18-U-5-8	25/--	14.0	259.10	781011 03584	37
BG-6-S18-W2	25/--	8.6	248.17	781011 03578	19
BG-6-S18-W6	25/--	8.6	248.17	781011 99581	19
BG-6-U-2-4	100/600	8.0	95.80	781011 18450	32
BG-6-U-5-8	100/600	8.8	95.80	781011 18455	32
BG-6-U-9-12	100/800	10.1	104.05	781011 18460	32
BG-8-12	100/1000	3.1	21.52	781011 18355	11
BG-8-12-4T	100/1000	3.1	22.59	781011 18385	11
BG-8-12-A5	100/600	6.6	65.68	781011 18465	21
BG-8-12-A6	100/600	6.6	65.68	781011 18470	21
BG-8-12-B1	100/600	6.4	64.43	781011 18475	2
BG-8-12-B5	100/400	8.2	77.92	781011 18480	4
BG-8-12-C1	100/600	8.6	99.78	781011 18485	35
BG-8-12-C2	100/600	8.5	99.78	781011 18490	35
BG-8-12-D3	100/1000	5.7	62.04	781011 18495	14
BG-8-12-D4	100/1000	7.8	69.50	781011 18500	14
BG-8-12-E-2-4	100/600	6.3	60.33	781011 18505	30
BG-8-12-E-2-4-AS	50/500	9.1	209.75	781011 04972	33
BG-8-12-E-5-8	100/600	6.7	65.86	781011 18510	30
BG-8-12-E-5-8-AS	50/500	10.8	231.61	781011 04973	33
BG-8-12-E-9-12	100/600	7.1	87.20	781011 18515	30
BG-8-12-E-9-12-AS	50/500	12.0	234.17	781011 04974	33
BG-8-12-F1	100/1000	5.2	57.21	781011 19958	44
BG-8-12-F2	100/1000	5.2	58.97	781011 19961	44
BG-8-12-F13	100/600	5.9	66.93	781011 18520	40
BG-8-12-H7	100/1000	6.6	58.74	781011 01238	9
BG-8-12-S18	25/--	7.8	215.28	781011 03573	19
BG-8-12-S18-S	25/--	8.1	246.29	781011 04979	19
BG-8-12-S18-U-2-4	25/--	9.1	255.91	781011 03579	37
BG-8-12-S18-U-5-8	25/--	9.6	257.51	781011 03580	37
BG-8-12-S18-W2	25/--	8.5	246.13	781011 03576	19
BG-8-12-S18-W6	25/--	8.5	246.86	781011 99582	19
BG-8-12-U-2-4	100/600	8.2	75.76	781011 18525	32
BG-8-12-U-2-4-AS	50/500	10.8	222.51	781011 04966	33
BG-8-12-U-5-8	100/600	8.9	82.65	781011 18530	32
BG-8-12-U-5-8-AS	50/500	13.0	242.54	781011 04967	33
BG-8-12-U-9-12	100/800	10.4	99.78	781011 18535	32
BG-8-12-U-9-12-AS	50/500	13.7	253.47	781011 04968	33
BG-8-12-W2	100/600	5.7	61.24	781011 18540	16
BG-8-12-W6	100/600	5.8	59.26	781011 95519	16
BG-16	100/1000	3.6	29.20	781011 18360	11
BG-16-4T	100/1000	3.5	29.09	781011 18390	11
BG-16-A5	100/600	7.2	73.60	781011 18545	21
BG-16-A6	100/600	7.2	73.60	781011 18550	21
BG-16-B1	100/600	6.8	71.72	781011 18555	2
BG-16-B5	100/800	8.9	90.56	781011 18560	4
BG-16-C1	100/600	9.1	108.49	781011 18565	35
BG-16-C2	100/600	9.0	108.49	781011 18570	35
BG-16-E-2-4	100/600	6.7	73.48	781011 18575	30
BG-16-E-2-4-AS	50/500	9.5	215.90	781011 04975	33
BG-16-E-5-8	100/600	7.2	73.48	781011 18580	30
BG-16-E-5-8-AS	50/500	11.3	234.23	781011 04976	33
BG-16-E-9-12	100/600	8.1	96.87	781011 18585	30
BG-16-E-9-12-AS	50/500	12.5	236.85	781011 04977	33
BG-16-F1	100/1000	5.7	62.38	781011 19959	44
BG-16-F2	100/1000	5.7	62.38	781011 19962	44
BG-16-F13	100/600	6.4	76.28	781011 18590	40
BG-16-G-6	100/600	6.8	64.27	781011 18615	12
BG-16-G-8-12	100/800	6.9	65.68	781011 18620	12
BG-16-G-16	100/800	7.4	73.48	781011 18595	12
BG-16-G-20	50/300	4.2	87.38	781011 18600	12
BG-16-G-24	50/400	4.7	89.14	781011 18605	12
BG-16-G-32	50/400	5.1	93.12	781011 18610	12
BG-16-S18	25/--	8.5	221.70	781011 03574	19
BG-16-S18-U-2-4	25/--	9.1	262.40	781011 03581	37
BG-16-S18-U-5-8	25/--	9.6	264.90	781011 03582	37
BG-16-S18-W2	25/--	8.5	252.61	781011 03577	19
BG-16-S18-W6	25/--	8.5	253.36	781011 99580	19
BG-16-U-2-4	100/600	8.7	90.56	781011 18625	32
BG-16-U-2-4-AS	50/500	11.3	225.24	781011 04969	33
BG-16-U-5-8	100/800	9.5	90.56	781011 18630	32
BG-16-U-5-8-AS	50/500	13.6	245.22	781011 04970	33
BG-16-U-9-12	50/300	5.7	113.61	781011 18635	32
BG-16-U-9-12-AS	50/500	14.2	256.09	781011 04971	33
BG-16-W2	100/600	6.3	69.16	781011 18640	16
BG-16-W6	100/600	6.4	66.77	781011 95520	16
BG-20	100/600	4.6	44.34	781011 18365	11
BG-20-4T	100/600	4.6	44.34	781011 18395	11
BG-20-B5	50/500	5.0	103.71	781011 18645	4
BG-20-C1	100/800	10.0	122.66	781011 18650	35
BG-20-C2	100/800	10.1	122.66	781011 18655	35
BG-20-E-2-4	100/800	7.4	90.05	781011 18660	30
BG-20-E-5-8	100/800	8.0	90.05	781011 18665	30
BG-20-E-9-12	100/800	8.4	104.96	781011 18670	30
BG-20-F13	50/300	3.8	90.27	781011 18675	40
BG-20-U-2-4	50/300	4.8	108.15	781011 18680	32
BG-20-U-5-8	50/300	5.4	108.15	781011 18685	32
BG-20-U-9-12	50/300	6.2	121.75	781011 18690	32
BG-24	100/600	4.9	46.22	781011 18370	11
BG-24-4T	100/600	4.9	46.22	781011 18400	11
BG-24-C1	50/300	5.3	124.60	781011 18695	35
BG-24-C2	50/300	5.3	124.60	781011 18700	35
BG-24-E-2-4	50/300	4.1	94.03	781011 18705	30
BG-24-E-5-8	50/300	4.4	94.03	781011 18710	30
BG-24-E-9-12	50/300	4.6	109.45	781011 18715	30
BG-24-U-2-4	50/300	5.1	112.42	781011 18720	32
BG-24-U-5-8	50/300	6.0	112.42	781011 18725	32
BG-24-U-9-12	50/300	6.8	125.96	781011 18730	32
BG-32	100/600	5.7	52.53	781011 18375	11
BG-32-4T	100/600	5.7	52.53	781011 18405	11
BG-32-C1	50/300	5.7	128.81	781011 18735	35
BG-32-C2	50/300	5.7	128.81	781011 18740	35
BG-32-E-2-4	50/300	4.7	103.14	781011 18745	30
BG-32-E-5-8	50/300	4.9	98.35	781011 18750	30
BG-32-E-9-12	50/300	5.0	113.22	781011 18755	30
BG-32-U-2-4	50/300	5.6	121.75	781011 18760	32
BG-32-U-5-8	50/400	6.5	116.29	781011 18765	32
BG-32-U-9-12	50/400	6.8	130.18	781011 18770	32
BH1	100/1000	1.9	19.18	781011 18800	44
BH1-E-2-4	100/1000	4.9	61.70	781011 18900	39
BH1-E-5-8	100/1000	5.3	61.70	781011 18905	39
BH1-E-9-12	100/1000	5.7	79.12	781011 18910	39
BH1-F1	100/1000	4.2	62.61	781011 18915	43
BH1-F12	100/1000	4.5	65.68	781011 18920	40

All prices per 100 pieces unless indicated (†)each or (Δ)per 100 ft.
Prices are subject to change without notice.

Alphanumeric Index/Price List

Part No.	Qty. Box/Case	Wt./Box Lbs	Price	UPC No.	Page No.
BH1-F2	100/1000	4.0	**62.61**	781011 18925	43
BH1-F3	100/1000	7.0	**61.31**	781011 04273	42
BH1-F4	100/1000	7.0	**61.31**	781011 04274	41
BH1-H7	100/1000	5.6	**45.82**	781011 18930	45
BH1-H8	100/1000	5.6	**45.82**	781011 18935	45
BH-1-2-R	100/1000	4.0	**66.59**	781011 04115	38
BH2	100/1000	1.9	**20.38**	781011 18805	44
BH-2-4	100/1000	4.6	**67.57**	781011 18870	38
BH-2-4-R	100/1000	5.6	**69.61**	781011 18875	38
BH2-E-2-4	100/1000	4.9	**63.63**	781011 18940	39
BH2-E-5-8	100/1000	5.4	**63.63**	781011 18945	39
BH2-E-9-12	100/1000	5.8	**77.58**	781011 18950	39
BH2-F1	100/1000	4.1	**63.35**	781011 18955	43
BH2-F2	100/1000	4.1	**63.35**	781011 18965	43
BH2-F3	100/600	7.0	**61.99**	781011 04275	42
BH2-F4	100/600	7.0	**61.99**	781011 04276	41
BH2-F12	100/1000	4.6	**66.37**	781011 18960	40
BH2-H7	100/1000	5.7	**47.07**	781011 18970	45
BH2-H8	100/1000	5.7	**47.07**	781011 18975	45
BH4	100/1000	2.6	**20.38**	781011 18815	44
BH4-E-2-4	100/1000	5.9	**63.81**	781011 18980	39
BH4-E-2-4-AS	50/500	11.3	**212.54**	781011 04948	33
BH4-E-5-8	100/1000	6.5	**63.81**	781011 18985	39
BH4-E-5-8-AS	50/500	12.7	**230.87**	781011 04949	33
BH4-E-9-12	100/1000	6.8	**84.87**	781011 18990	39
BH4-E-9-12-AS	50/500	13.0	**233.43**	781011 04950	33
BH4-F1	100/1000	5.2	**63.35**	781011 18995	43
BH4-F2	100/1000	5.1	**63.35**	781011 19005	43
BH4-F3	100/1000	8.0	**61.99**	781011 04285	42
BH4-F4	100/1000	7.2	**61.99**	781011 04286	41
BH4-F12	100/1000	5.7	**66.43**	781011 19000	40
BH4-H7	100/1000	6.6	**50.14**	781011 19010	45
BH4-H8	100/1000	6.7	**50.14**	781011 19015	45
BH5	100/1000	2.6	**18.27**	781011 18820	44
BH-5-8	100/1000	5.0	**67.57**	781011 18880	38
BH-5-8-R	100/1000	6.0	**69.61**	781011 18885	38
BH5-E-2-4	100/1000	6.0	**65.91**	781011 19020	39
BH5-E-5-8	100/1000	6.4	**62.90**	781011 19025	39
BH5-E-9-12	100/1000	6.8	**80.77**	781011 19030	39
BH5-F1	100/1000	5.0	**61.59**	781011 19035	43
BH5-F2	100/1000	5.0	**61.59**	781011 19045	43
BH5-F3	100/1000	8.0	**60.33**	781011 04933	42
BH5-F4	100/1000	8.0	**60.33**	781011 04278	41
BH5-F12	100/1000	5.6	**64.27**	781011 19040	40
BH5-H7	100/1000	6.6	**46.73**	781011 19050	45
BH5-H8	100/1000	6.5	**46.73**	781011 19055	45
BH6	100/1000	2.7	**20.38**	781011 18825	44
BH6-E-2-4	100/1000	5.9	**67.05**	781011 19060	39
BH6-E-2-4-AS	50/500	11.3	**208.78**	781011 04951	33
BH6-E-5-8	100/1000	6.4	**67.05**	781011 19065	39
BH6-E-5-8-AS	50/500	12.6	**230.64**	781011 04952	33
BH6-E-9-12	100/1000	6.8	**84.87**	781011 19070	39
BH6-E-9-12-AS	50/500	13.0	**233.14**	781011 04953	33
BH6-F1	100/1000	5.2	**63.35**	781011 19075	43
BH6-F2	100/1000	5.2	**63.35**	781011 19085	43
BH6-F3	100/600	8.1	**61.99**	781011 04279	42
BH6-F4	100/1000	8.1	**61.99**	781011 04280	41
BH6-F12	100/1000	5.6	**66.43**	781011 19080	40
BH6-H7	100/1000	6.6	**50.60**	781011 19090	45
BH6-H8	100/1000	6.5	**50.60**	781011 19095	45
BH7	100/1000	3.5	**17.65**	781011 18830	44
BH7-6	100/1000	3.4	**17.65**	781011 18835	44
BH8	100/1000	3.5	**17.65**	781011 18840	44
BH8-6	100/1000	3.4	**17.65**	781011 18845	44
BH9	100/500	8.8	**30.68** Δ	781011 18850	46
BH9-10	100/500	15.0	**42.13** Δ	781011 02901	46
BH-9-12	100/1000	5.5	**83.45**	781011 18890	38
BH-9-12-R	100/1000	6.6	**85.44**	781011 18895	38
BH10	50/1000	0.6	**8.48**	781011 18855	46
BH11	100/1000	3.4	**13.67**	781011 18860	46
BH12	100/1000	1.3	**17.19**	781011 18865	46
BH15	100/1000	4.2	**35.58**	781011 01236	46
BH16	100/1000	5.1	**35.58**	781011 01237	46
BHE-1-2	100/1000	2.9	**58.63**	781011 04930	38
BH-F12	100/1000	4.1	**70.18**	781011 03385	38
BH-F12R	100/1000	5.3	**72.34**	781011 03384	38
BH-H7	100/1000	5.3	**58.17**	781011 19922	38
BL1	100/1000	3.5	**46.91**	781011 19880	48
BL2	100/1000	3.4	**29.94**	781011 19881	48
BL3-8	100/1000	1.9	**20.38**	781011 19902	48
BL3-12	100/1000	2.0	**22.37**	781011 19903	48
BL3-16	100/1000	2.1	**24.64**	781011 19904	48
BL3-20	100/1000	2.5	**29.66**	781011 19905	48
BL-24-2	100/1000	3.2	**40.36**	781011 19882	47
BL-24-4	100/1000	3.0	**35.40**	781011 19883	47
BL-24-4C	100/1000	3.2	**39.56**	781011 19884	47
BL-32-4	100/1000	3.9	**48.55**	781011 19885	47
BL1400	100/1000	6.4	**21.15**	781011 19800	14
BL1400-C442	50/300	9.4	**89.52**	781011 19850	34
BL1410	100/1000	7.2	**24.45**	781011 19801	14
BL1410-C442	50/300	9.5	**93.03**	781011 19851	34
BL1420	100/600	8.7	**32.25**	781011 19802	14
BL1420-C442	50/400	10.2	**100.56**	781011 19852	34
BL1425	100/600	11.0	**37.43**	781011 19803	14
BL1425-C442	50/400	13.3	**100.56**	781011 19853	34
BL1430	100/600	12.9	**37.43**	781011 19804	14
BL1430-C442	50/400	15.2	**106.64**	781011 19854	34
BL1440	50/300	8.9	**45.81**	781011 19805	14
BL1440-C442	25/150	7.4	**116.95**	781011 19855	34
BL1450	50/400	11.4	**59.10**	781011 19806	14
BL1450-C442	25/150	12.9	**131.14**	781011 19856	34
BL1460	25/150	7.4	**66.75**	781011 19807	14
BL1470	25/150	8.2	**83.97**	781011 19808	14
BL1480	10/60	3.8	**101.14**	781011 19809	14
BL1490	10/60	9.2	**148.52**	781011 19810	14
BM1	100/1000	0.8	**16.68**	781011 19100	10
BM1M	1000/ -	5.6	**11.33**	781011 19102	10
BM2	100 pr/1000 pr	1.8	**22.20**	781011 04926	10
BM3	100/1000	11.2	**13.67**	781011 04927	60
BM5	100/1000	6.8	**63.98**	781011 01659	60
BMB1	25 pr/250 pr	4.4	**46.50**	781011 01658	6
BN1	100/1000	0.7	**16.11**	781011 19110	60
BN-2	100/1000	0.7	**10.19**	781011 19115	60
BN-4	100/1000	0.6	**10.19**	781011 19120	60

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Part No.	Qty. Box/Case	Wt./Box Lbs	Price	UPC No.	Page No.
BN-6	100/1000	0.6	10.19	781011 19125	60
BP-8	100/1000	2.5	20.77	781011 19200	12
BP-8-4T	100/1000	2.5	20.77	781011 19215	12
BP-8-A5	100/600	6.3	63.24	781011 19235	21
BP-8-A6	100/600	6.3	63.24	781011 19240	21
BP-8-A28	25/150	4.9	144.52	781011 19230	22
BP-8-B1	100/1000	5.7	63.63	781011 19245	2
BP-8-B5	100/600	8.0	84.87	781011 19250	4
BP-8-C1	100/600	8.1	97.73	781011 19255	35
BP-8-C2	100/600	8.3	97.73	781011 19260	35
BP-8-D3	100/1000	5.2	65.40	781011 19265	14
BP-8-D4	100/1000	7.5	70.52	781011 19270	14
BP-8-E-2-4	100/1000	5.7	63.75	781011 19275	30
BP-8-E-5-8	100/600	6.3	67.05	781011 19280	30
BP-8-E-9-12	100/600	6.8	86.75	781011 19285	30
BP-8-F13	100/1000	5.1	68.13	781011 19290	40
BP-8-H7	100/1000	6.4	55.33	781011 01227	9
BP-8-P-8	100/1000	5.2	57.15	781011 19305	12
BP-8-P-12	100/1000	5.5	58.40	781011 19295	12
BP-8-P-16	100/1000	6.3	61.02	781011 19300	12
BP-8-U-2-4	100/600	7.7	78.49	781011 19310	32
BP-8-U-5-8	100/600	8.4	82.47	781011 19315	32
BP-8-U-9-12	100/800	9.9	99.05	781011 19320	32
BP-8-W2	100/600	5.2	60.45	781011 19325	16
BP-8-W6	100/600	5.3	58.35	781011 95521	16
BP-12	100/1000	2.8	23.57	781011 19205	12
BP-12-4T	100/1000	2.7	23.57	781011 19220	12
BP-12-A5	100/600	6.2	65.52	781011 19335	21
BP-12-A6	100/600	6.3	65.52	781011 19340	21
BP-12-A28	25/150	5.0	147.42	781011 19330	22
BP-12-B1	100/600	6.1	66.31	781011 19345	2
BP-12-B5	100/600	8.2	84.70	781011 19350	4
BP-12-C1	100/600	8.4	100.24	781011 19355	35
BP-12-C2	100/600	8.3	100.24	781011 19360	35
BP-12-D3	100/1000	5.6	67.05	781011 19365	14
BP-12-D4	100/1000	7.7	71.38	781011 19370	14
BP-12-E-2-4	100/1000	5.9	64.43	781011 19375	30
BP-12-E-5-8	100/600	6.5	69.61	781011 19380	30
BP-12-E-9-12	50/500	3.5	90.11	781011 19385	30
BP-12-F13	100/1000	5.6	68.13	781011 19390	40
BP-12-H7	100/1000	6.7	59.26	781011 01226	9
BP-12-P-12	100/600	5.9	59.54	781011 19395	12
BP-12-P-16	100/600	6.5	63.81	781011 19400	12
BP-12-U-2-4	100/600	8.0	80.71	781011 19405	32
BP-12-U-5-8	100/600	8.8	87.26	781011 19410	32
BP-12-U-9-12	100/800	10.2	106.67	781011 19415	32
BP-12-W2	100/600	5.5	63.13	781011 19420	16
BP-12-W6	100/600	5.6	60.96	781011 95522	16
BP-16	100/1000	3.3	27.16	781011 19210	12
BP-16-4T	100/1000	3.3	27.16	781011 19225	12
BP-16-A5	100/600	6.9	71.78	781011 19430	21
BP-16-A6	100/600	6.9	71.78	781011 19435	21
BP-16-A28	25/150	5.2	151.12	781011 19425	22
BP-16-B1	100/600	6.7	69.79	781011 19440	2
BP-16-B5	100/600	8.7	88.91	781011 19445	4
BP-16-C1	100/600	8.8	104.33	781011 19450	35
BP-16-C2	100/800	9.7	104.33	781011 19455	35
BP-16-D4	100/1000	8.3	73.54	781011 19460	14
BP-16-E-2-4	100/600	6.5	71.32	781011 19465	30
BP-16-E-5-8	100/600	7.0	71.32	781011 19470	30
BP-16-E-9-12	50/500	3.8	90.45	781011 19475	30
BP-16-F13	50/500	3.2	74.51	781011 19480	40
BP-16-P-16	100/600	6.9	67.62	781011 19485	12
BP-16-U-2-4	100/600	8.5	88.91	781011 19490	32
BP-16-U-5-8	100/600	9.2	88.91	781011 19495	32
BP-16-U-9-12	50/300	5.3	106.38	781011 19500	32
BP-16-W2	100/600	6.0	67.05	781011 19505	16
BP-16-W6	100/600	6.1	64.83	781011 95523	16
BPC-8	100/600	10.1	56.12	781011 01676	13
BPC-12	100/600	11.2	58.58	781011 01677	13
BPC-16	100/600	12.1	61.35	781011 01680	13
BPC-20	50/300	6.5	64.50	781011 01679	13
BPC-24	50/300	7.3	79.78	781011 01678	13
BPC-32	50/300	8.5	84.86	781011 01681	13
BPC-40	50/300	14.5	121.03	781011 03977	13
BPC-48	50/300	16.4	132.71	781011 03978	13
BPC-56	25/300	9.1	142.18	781011 03979	13
BPC-64	25/300	10.2	150.09	781011 03981	13
BR-8	100/1000	2.4	17.70	781011 02909	57
BR-8-T	100/1000	2.2	45.43	781011 19550	57
BR-12	100/1000	2.7	18.84	781011 02910	57
BR-12-T	100/1000	2.6	49.92	781011 19555	57
BR-16-3W	100/1000	2.6	60.96	781011 19875	57
BR-20	100/1000	3.7	23.62	781011 02913	57
BR-20-4T	100/1000	3.8	70.59	781011 19565	57
BR-20-T	100/1000	6.7	60.28	781011 19560	57
BR-24-4W	100/1000	7.1	68.41	781011 19886	57
BR-32	100/1000	5.6	33.69	781011 02915	57
BR-32-4T	100/1000	9.6	75.14	781011 19575	57
BR-32-4T-A6	50/300	5.8	123.63	781011 02934	58
BR-32-4T-C1	50/300	7.5	152.67	781011 02937	58
BR-32-4T-U-2-4	50/300	7.3	135.93	781011 02921	58
BR-32-4T-U-5-8	50/300	7.6	138.37	781011 02923	58
BR-32-4T-U-9-12	50/300	8.3	160.75	781011 02924	58
BR-32-4T-W2	50/300	6.2	115.77	781011 02929	58
BR-32-4W	100/1000	10.9	73.03	781011 19876	57
BR-32-T	100/1000	5.3	66.82	781011 19570	57
BR-64-4T	50/300	9.0	104.33	781011 19889	57
BRC1	50/500	1.6	34.67	781011 02941	8
BRC2	50/500	1.3	33.42	781011 02942	8
BRC3	100/1000	0.9	16.11	781011 03553	17
BRC3-A5	100/1000	4.4	55.90	781011 03548	21
BRC3-C1	100/1000	6.5	82.81	781011 03549	37
BRC3-E-2-4	100/1000	4.1	58.01	781011 03550	37
BRC3-E-5-8	100/1000	4.7	58.01	781011 03551	37
BRC3-E-9-12	100/1000	5.2	73.03	781011 03552	37
BRC3-F1	100/1000	3.5	54.08	781011 03556	44
BRC3-F2	100/1000	3.4	54.08	781011 03557	44
BRC3-H7	100/1000	4.9	43.49	781011 03554	45
BRC3-H8	100/1000	4.9	43.49	781011 03555	45
BRC3-W2	100/1000	3.6	50.37	781011 03547	17
BRC3-W6	100/1000	3.7	50.37	781011 95524	17
BRC4	100/400	5.6	35.58	781011 03587	9
BRC4M	100/400	7.5	35.58	781011 04980	9

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Alphanumeric Index/Price List

Part No.	Qty. Box/Case	Wt./Box Lbs	Price	UPC No.	Page No.
BRH-H7	100/1000	6.0	58.17	781011 19929	38
BT3	1/--	0.5	37.28 †	781011 04164	41,42
BT25	1/--	7.1	244.76 †	781011 01235	10
BU-2-4	100/1000	4.9	42.63	781011 19600	31
BU-2-4-S	100/1000	5.7	50.21	781011 19615	31
BU-2-4-S-AS	50/500	12.4	207.82	781011 04942	33
BU-5-8	100/1000	5.8	45.14	781011 19605	31
BU-5-8-S	100/1000	6.5	55.90	781011 19620	31
BU-5-8-S-AS	50/500	15.1	230.59	781011 04943	33
BU-9-12	100/600	7.3	66.93	781011 19610	31
BU-9-12-S	100/600	8.5	79.12	781011 19625	31
BU-9-12-S-AS	50/500	17.0	238.27	781011 04944	33
BW2	100/1000	2.5	22.31	781011 19700	15
BW2-CT2	100/1000	3.9	84.53	781011 02866	56
BW4	100/1000	1.0	23.62	781011 19705	15
BW6	100/1000	2.5	22.14	781011 95516	15
BW6-CT2	100/1000	4.5	84.52	781011 95663	56
BW-8	100/1000	2.9	20.89	781011 19710	15
BW-12	100/1000	3.5	22.71	781011 19715	15
BW-16	100/1000	3.9	27.50	781011 19720	15
BW-20	100/1000	4.5	40.18	781011 19725	15
BWHS-9	1000	4.0	2.44	781011 01675	6,62
BWHS-9D	1000	3.7	2.44	781011 04925	62
BX2	100/1000	2.7	22.54	781011 04934	18
BX3	100/1000	1.6	19.76	781011 19760	--
BX4	100/1000	1.6	17.59	781011 01079	8
BX4-A5	100/1000	5.3	50.94	781011 01187	22
BX4-A6	100/600	5.2	50.94	781011 01220	22
BX4-C1	100/1000	7.1	81.97	781011 01191	36
BX4-C2	100/600	7.3	80.08	781011 01190	36
BX4-E-2-4	100/1000	4.8	55.90	781011 01192	31
BX4-E-5-8	100/600	5.3	55.90	781011 01193	31
BX4-E-9-12	100/1000	5.7	70.41	781011 01194	31
BX4-F3	100/1000	7.0	55.67	781011 04281	42
BX4-F4	100/1000	7.0	55.67	781011 04931	41
BX4-F13	100/1000	4.4	53.33	781011 01188	40
BX4-H7	100/1000	5.5	41.15	781011 01200	9
BX4-U-2-4	100/1000	6.8	66.82	781011 01197	34
BX4-U-5-8	100/600	7.7	69.21	781011 01198	34
BX4-U-9-12	100/600	9.0	81.51	781011 01199	34
BX4-W2	100/1000	4.3	51.51	781011 01219	17
BX4-W6	100/1000	4.4	51.51	781011 95517	17
BX4M	100/1000	3.2	24.64	781011 01080	8
BX4M-A5	100/600	6.6	57.56	781011 01212	22
BX4M-A6	100/600	6.6	57.56	781011 01216	22
BX4M-A28	25/150	4.8	133.31	781011 01211	22
BX4M-C1	100/600	8.5	88.97	781011 01209	36
BX4M-C2	100/600	9.0	87.04	781011 01210	36
BX4MD	100/1000	6.6	34.55	781011 01224	8
BX4M-E-2-4	100/1000	6.4	62.67	781011 01213	31
BX4M-E-5-8	100/600	6.9	62.67	781011 01214	31
BX4M-E-9-12	100/600	7.3	77.24	781011 01215	31
BX4M-F3	100/1000	8.6	62.44	781011 04282	42
BX4M-F4	100/1000	8.6	62.44	781011 04932	41
BX4M-F13	100/1000	6.0	62.44	781011 01204	40
BX4M-H7	100/1000	7.0	48.32	781011 01205	9
BX4M-U-2-4	100/600	8.4	73.71	781011 01206	34
BX4M-U-5-8	100/600	9.3	76.10	781011 01207	34
BX4M-U-9-12	100/400	10.5	88.34	781011 01208	34
BX4M-W2	100/600	4.3	58.40	781011 01189	17
BX4M-W6	100/600	4.4	58.40	781011 95518	17
BX5	100/1000	3.2	30.46	781011 19755	10
BX6	100/600	8.0	31.94	781011 19765	18
BX-8	100/1000	2.6	26.46	781011 01402	17
BX-8B	--/4000	98.0	24.19	781011 01685	17
BX9	100/1000	1.2	36.65	781011 19770	18
BX-18	100/600	7.4	28.28	781011 02943	17
BX24	100/800	11.9	65.23	781011 19766	18
BX82	100/1000	2.8	21.34	781011 01657	9
BXL-67	100/1000	1.0	23.23	781011 19987	18
BXL-89	100/1000	1.0	24.02	781011 19988	18
BXL-1011	100/1000	1.1	24.82	781011 19989	18
BXL-1214	100/1000	1.1	25.50	781011 19990	18
BXL-1519	100/1000	1.2	27.21	781011 19991	18
BXL-2024	100/1000	1.4	29.09	781011 19992	18
BXL-2530	100/1000	1.9	32.96	781011 19993	18
BXM-67	100/1000	1.0	23.23	781011 19980	18
BXM-89	100/1000	1.0	24.02	781011 19981	18
BXM-1011	100/1000	1.0	24.82	781011 19982	18
BXM-1214	100/1000	1.0	25.50	781011 19983	18
BXM-1519	100/1000	1.1	27.21	781011 19984	18
BXM-2024	100/1000	1.3	29.09	781011 19985	18
BXM-2530	100/1000	1.9	32.96	781011 19986	18
BXS-67	100/1000	0.9	23.23	781011 19973	18
BXS-89	100/1000	0.9	24.02	781011 19974	18
BXS-1011	100/1000	0.9	24.82	781011 19975	18
BXS-1214	100/1000	1.0	25.50	781011 19976	18
BXS-1519	100/1000	1.1	27.21	781011 19977	18
BXS-2024	100/1000	1.3	29.09	781011 19978	18
BXS-2530	100/1000	1.6	32.96	781011 19979	18
DS16X2	100/--	1.0	SPHPL	781011 42022	62
MSQN 1/4	100/--	0.8	SSPL	781011 42103	62
PR 1/4 X 36	150 ft	25.0	31.87 Δ	781011 04986	62
PR 1/4 X 72	300 ft	50.0	31.87 Δ	781011 04985	62
PR 3/8 X 36	60 ft	22.0	60.33 Δ	781011 04984	62
PR 3/8 X 72	120 ft	46.0	60.33 Δ	781011 04983	62
SHHMS 1/4 x 1/2	100/--	1.0	SSPL	781011 01687	62
SRHMS 1/4 x 3/8	100/1000	0.9	5.92	781011 01673	23

Notes

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SSPL = See Strut Price List
SPHPL = See Pipe Hanger Price List

COOPER B-LINE, INC.
TERMS AND CONDITIONS OF SALE

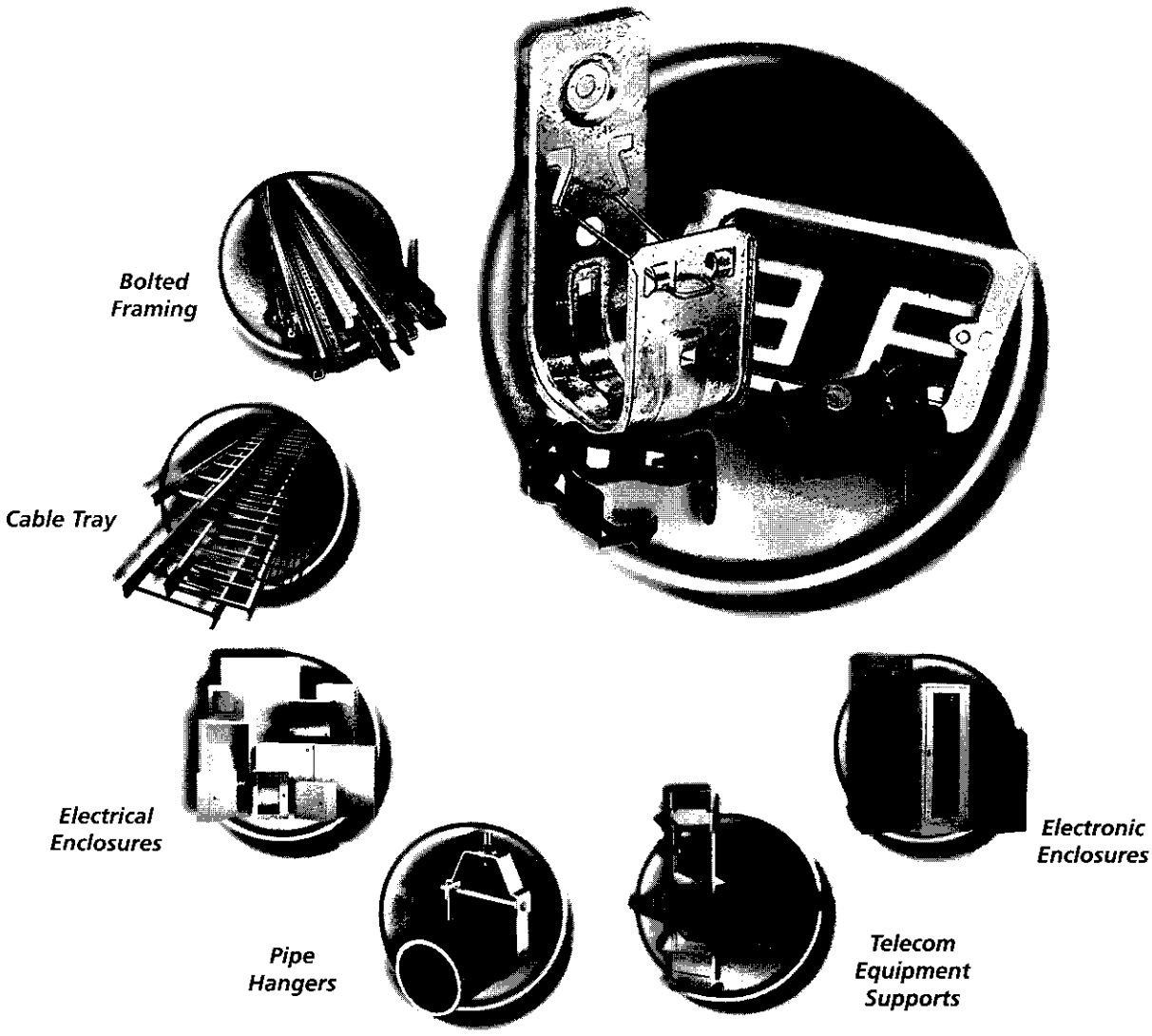
1. Scope: All orders for materials, goods, products or services (collectively, the "Product(s)") are subject to the following terms and conditions. These terms and conditions are governed by, and construed according to, the laws of the state of Illinois. No salesperson or other party is authorized to bind Cooper B-Line ("Cooper B-Line") by any agreement, warranty, statement, promise, or understanding not herein expressed, and no modifications shall be binding on Cooper B-Line unless the same are in writing and signed by an executive officer of Cooper B-Line or its duly authorized representative.
2. Prices and Terms: All prices and terms are subject to change without notice by Cooper B-Line. Prices shall be those in effect at the time of shipment.
3. Order Acceptance: All orders are subject to final approval and acceptance by Cooper B-Line . Cooper B-Line reserves all rights to accept orders in whole or in part. Such acceptance will take the form of a shipment upon the order. Shipment of less than an entire order shall be deemed acceptance of that portion of the order actually shipped. Written or oral notice acknowledging receipt to an order does not constitute acceptance by Cooper B-Line of the unshipped portion of any order. Any different or additional terms and conditions proposed by Purchaser (herein so called) in its purchase order, or otherwise not specifically approved in writing by Cooper B-Line, are rejected by Cooper B-Line.
4. Terms of Payment: Two percent (2%)10th prior month shipments, net 25th. Any amount not timely paid by Purchaser shall bear interest at the maximum rate permitted by law, not to exceed 1½% per month.
5. Transportation Charges: Minimum order for prepaid freight is $350.00 Net. All prices are F.O.B our dock or point of shipment, unless otherwise provided by Cooper B-Line. Air Freight shipment will be made only upon request; and will be sent F.O.B. Cooper B-Line's shipping point, COLLECT ONLY.
6. Delivery: Cooper B-Line reserves the right to make delivery in installments which shall be separately invoiced and paid for when due, without regard to subsequent deliveries. Delivery dates indicated on quotations and on acknowledgments of orders are approximate and not guaranteed. Delay in delivery of any installment shall not relieve Purchaser of its obligation to accept remaining deliveries.
7. Title and Risk of Loss: Title and right to possession of any Product remains with Cooper B-Line until all payments are made in full. Purchaser agrees to do all acts necessary to protect such right and title. Risk of loss however shall pass to Purchaser at the time of delivery to the carrier. Purchaser shall make claims for loss or damage to goods while in transit against the carrier. Cooper B-Line will assist Purchaser in securing satisfactory adjustment of such claims.
8. Minimum Orders: $50 Net on all items. Orders for less than standard box (Package) quantities will be increased to standard quantities without further notification.
9. Taxes: All sales, use, excise and similar taxes which Cooper B-Line may be required to pay or collect with respect to the Products covered by any order shall be added to the invoices as a separate charge to be paid by the Purchaser.
10. Returns: Permission to return any standard merchandise must be obtained in writing from Cooper B-Line. FULL MERCHANDISE CREDIT will be allowed for Cooper B-Line Fasteners in standard full cartons in first-class, saleable condition, subject to the following conditions: Only standard full-carton quantities will be considered. Broken cartons, unsaleable material, specials, or non-catalogued Products will not be considered for credit. RETURN TRANSPORTATION MUST BE PREPAID, and freight expenses will be the responsibility of the Purchaser. A STOCK REPLACEMENT ORDER OF EQUAL VALUE MUST ACCOMPANY THE RETURN. All material is subject to inspection by Cooper B-Line and Cooper B-Line will make the sole determination as to the saleability of said Product(s). This return policy applies only to Cooper B-Line Products contained in the fastener catalog. Any and all other Products sold by Cooper B-Line are subject to inspection and applicable terms and conditions of return as set forth in their respective current price lists. Cooper B-Line reserves the right to change any of the above return conditions without notice.
11. Errors: Should an error be made filling an order, Purchaser shall notify Cooper B-Line in writing promptly and Cooper B-Line will attempt to adjust the matter without any expense to the Purchaser. Claims for defective material, shortages, delays, failures in shipment or delivery, for any other cause shall be deemed waived and released by Purchaser unless made IN WRITING WITHIN 30 DAYS AFTER ARRIVAL OF THE PRODUCTS. Under no circumstances shall Purchaser install damaged or defective material if claims are to be made. In the event of an incorrect shipment or price discrepancy, payment of the invoice must be made in full. A debit or credit memo, as applicable, must accompany the remittance, referencing Cooper B-Line's invoice number, with a full explanation. Clerical errors or valid discrepancies by Cooper B-Line are subject to correction or adjustment.
12. Cancellation: This agreement may be cancelled by the Purchaser, in whole or in part, only with the written consent of Cooper B-Line. Such consent by Cooper B-Line is at its sole and absolute discretion. A cancellation charge satisfactory to Cooper B-Line, in its sole and absolute discretion, shall take into proper account the work already done, facilities, and materials acquired and/or commitments made by Cooper B-Line. Under no circumstances shall orders for special or non-catalogued items be subject to cancellation after production is started.
13. Protection Against Infringement: Other than for Products furnished to or for the Purchaser in compliance with Purchaser's designs, plans or specifications, Cooper B-Line will, at its own expense, defend any suits which may be instituted by any party against Purchaser for alleged infringement of United States or Canadian patents relating to the Products of its own manufacture furnished hereunder and used in the regular course of Purchaser's business. Provided however, Purchaser shall have made all payments then due hereunder, given to Cooper B-Line immediate notice in writing of such suits, permit Cooper B-Line to defend the suits, and give all needed assistance and authority to enable Cooper B-Line to defend the suits. In case of a final award of damages in such suit, Cooper B-Line will pay such award, but Cooper B-Line shall not be responsible for any reason for the use of parts not furnished by Cooper B-Line. In the event that the use or sale of said Products is enjoined, Cooper B-Line, if unable within a reasonable time to secure for Purchaser the right to continue using or selling said Products will, at its own expense, either replace said Products with non-infringing Products, modify said Products so that they become non-infringing, or remove the enjoined Products and refund the sums paid therefore. The foregoing states the entire liability of Cooper B-Line for patent infringement of any Products, or any part thereof. Cooper B-Line assumes no liability whatsoever for patent infringement of any Products, or part thereof, manufactured to Purchaser's design, plans or specifications or for patent infringement resulting from using the Products in connection with other products.
14. Credit: Cooper B-Line reserves the right at any time to revoke any credit extended to Purchaser if Purchaser fails to pay for any shipments when due or, if in Cooper B-Line's sole and absolute opinion, there is a material adverse change in Purchaser's financial condition. Cooper B-Line may, at its option, cancel any accepted order if Purchaser fails to pay in full any invoice when due.
15. Indemnity: Purchaser agrees to defend, indemnify, and hold harmless Cooper B-Line, its subsidiary and affiliate companies, their agents, employees, directors, officers, servants, and insurers, from and against any and all losses, claims, demands, liabilities or causes of action of every kind and character, whether in contract or in tort, including claims of negligence, or strict liability (including any action brought by any employee, agent or subcontractor of Purchaser for Purchaser's failure to comply with Cooper B-Line's published instructions and specifications concerning the operation, use or maintenance of Products) in favor of any person or party, for injury to or illness or death of any person or party, or for any property damage (including loss of income, profits, sales or "down time") arising out of or incident to the Products, except any loss, claim, demand or liability proven to be the result of the gross negligence of Cooper B-Line and not contributed to by the negligence of Purchaser, its agents, employees, officers or directors or other third parties.
16. Limitations of Liability: Cooper B-Line's liability for any claim of any kind shall not exceed the purchase price of Products, or portions thereof, which gives rise to the claim whether such claim shall be for breach of contract, breach of warranty or negligence and whether such claim arises out of, or results from this agreement or from the design, manufacture, sale, delivery, resale, installation, technical direction of installation, inspection, repair, operation, or use of any Products furnished under this agreement. Cooper B-Line shall not be liable, in any event, for special or consequential damages, including, but not limited to, loss of profits or revenue, loss of use of the Products, or any associated goods, cost of capital, cost of substitute Products, facilities or services, downtime costs, or claim of customers of Purchaser for such damages.
17. Disclaimer Of Warranties: Cooper B-Line guarantees to repair or replace, at Cooper B-Line's option, any Product which Cooper B-Line finds, in its sole and absolute discretion, to be defective in material or workmanship, provided that a claim, and proof thereof, is made in writing to Cooper B-Line within thirty (30) days after Purchaser's receipt thereof. Cooper B-Line's obligation with respect to Products found by Cooper B-Line to be defective shall be limited to replacement or repair and in no event shall Cooper B-Line be liable for transportation to or from our factory, installation, adjustments or any expenses or damages which may arise in connection with such Products, nor for damages for the loss of use, and the foregoing shall be the Purchaser's sole remedy hereunder. REGARDING THE SALE OF ALL MATERIALS AND PRODUCTS OF COOPER B-LINE, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO, WARRANTIES FOR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
18. Material Supplier Only: Cooper B-Line is a material supplier and fabricator and not a construction sub-contractor. Cooper B-Line assumes no responsibility for any terms, conditions, or special provisions contained in any contract between Purchaser and any other party, including but not limited to, provisions regarding warranties, time and method of payment and retainage, or cancellation and penalties for delay in completion.
19. Non-waiver By Cooper B-Line: Waiver by Cooper B-Line of a breach of any of these terms and conditions shall not be construed as a waiver of any other breach.
20. Governing Law: All matters relating to the interpretation and effect of these terms and conditions, or any authorized changes, modifications or amendments thereto, shall be governed by and construed according to the laws of the state of Illinois.
21. Assignment: Purchaser shall not assign this agreement, or any rights therein or thereunder, without the written consent of Cooper B-Line.
22. Force Majeure: Cooper B-Line shall not be liable for any delay or failure to perform its obligations under this agreement, resulting directly or indirectly from or contributed to by any acts of God, acts of Purchaser, acts of government or other civil or military authorities, priorities, strikes, or other labor disputes, fires, accidents, floods, epidemics, war, riot, embargoes, delays in transportation, lack of or inability to obtain raw materials, components, labor, fuel, or supplies, or other circumstances beyond Cooper B-Line's reasonable control (a "Force Majeure Event"). If Cooper B-Line elects, the time for performance shall be extended by a period of time equal to the time lost because of any delays caused by reasons of the Force Majeure Event.

SEND ALL MAIL TO COOPER B-LINE, INC., HIGHLAND, ILLINOIS 62249-0326

CALL - 618-654-2184 • FAX - 618-654-1917

ALL WEIGHTS IN THE PRICE LIST ARE ESTIMATED WEIGHTS ONLY.

B-Line



Customer Service

Electrical/Mechanical		Telecom
Phone:	618-654-2184	303-375-8000
Fax:	618-654-1917	303-375-8015
Address:	Cooper B-Line, Inc. 509 West Monroe St. Highland, IL 62249	Cooper B-Line, Inc. 21000 East 32nd Parkway Aurora, CO 80011

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B-Line®

SYSTEMS THAT MAKE SENSE

ELECTRICAL TELECOMMUNICATIONS MECHANICAL

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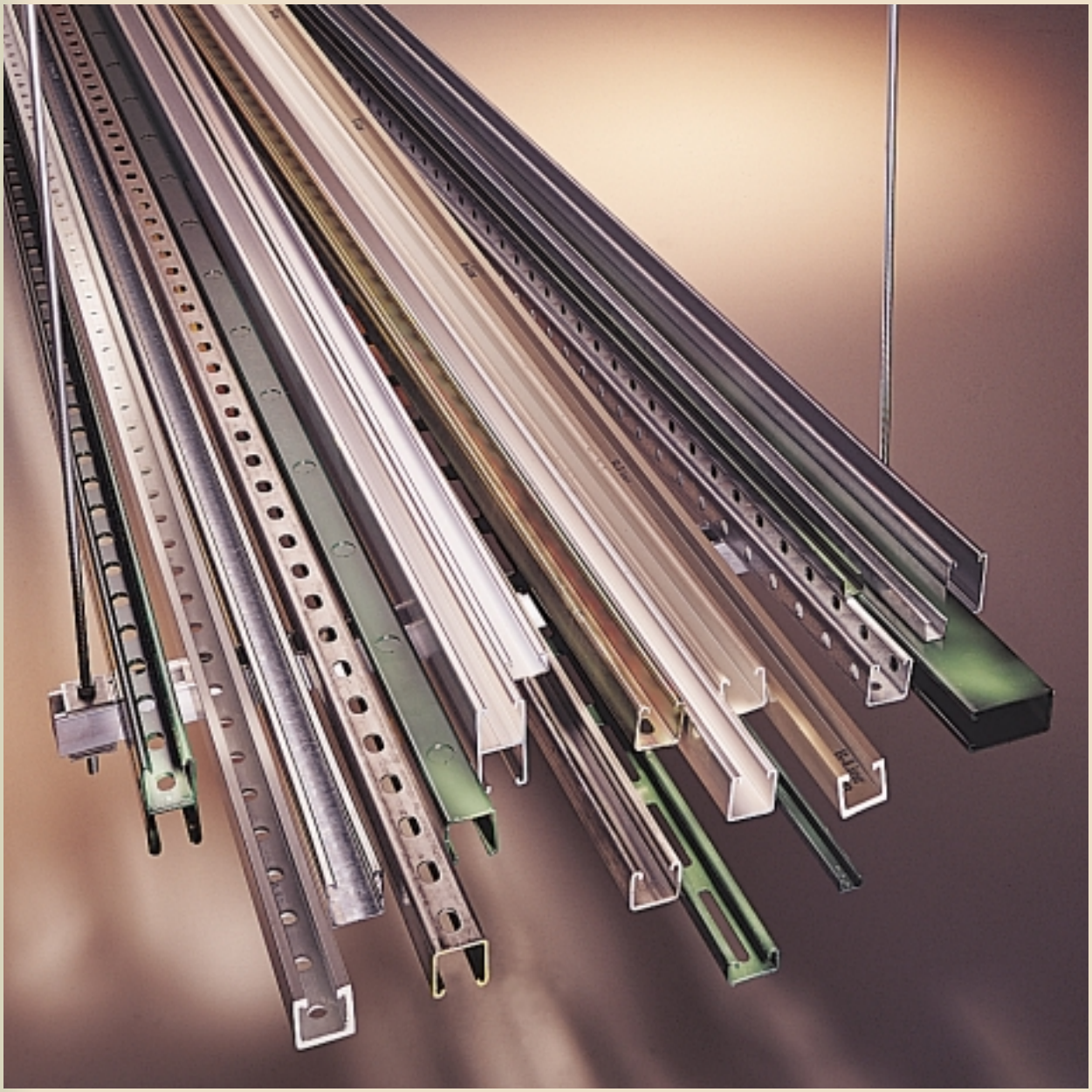
STRUT SYSTEMS



B-Line®

SYSTEMS THAT MAKE SENSE

COOPER B-Line

INTRODUCTION

B-Line® Systems, Inc. is a leading manufacturer and fabricator of steel and aluminum products which are used in support of equipment for industrial, commercial, utility, and OEM installations. B-Line is proud of the exacting standards of research, design, engineering, and manufacturing that go into each and every product that comprise our metal framing product line. Our customers have access to the most complete support systems offered in the industry, including metal framing, cable tray, pipe hangers, slotted angle, and fasteners.

Many of B-Line's products are listed by the Underwriter's Laboratories, Inc., and approved by the Factory Mutual Laboratories. All B-Line products are manufactured to meet or exceed MFMA and other industry standards set for their design and manufacture.

B-Line products are produced in eight modern plants consisting of over 1,000,000 square feet. These facilities are located in Highland, Illinois; Troy, Illinois; Norcross, Georgia; Reno, Nevada; Sherman, Texas; Modesto, California; Portland, Oregon; and Aurora, Colorado. Regional sales and distribution centers are located throughout the United States stocking standard B-Line products for quick service and delivery.

This catalog is designed to be helpful to engineers and contractors in the application and selection of strut products for construction and maintenance.

If a unique application requires a special product not included in this catalog. B-Line engineering personnel are ready to furnish design consultation and realistic cost estimates. In addition, sales representatives with engineering know-how are located throughout the United States and abroad for your convenience.

METAL FRAMING MANUFACTURERS ASSOCIATION

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509 West Monroe Street
P.O. Box 326
Highland, Illinois 62249-0326
Phone: 618-654-2184
www.b-line.com

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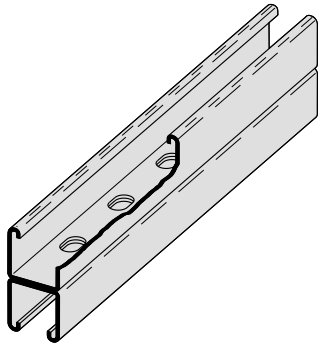
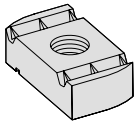
B22SHA
SLOTTED BACK-TO-BACK CHANNEL
Pg. 41



METRIC CHANNEL NUTS
NUT WITHOUT SPRING
Pg. 46



METRIC CHANNEL NUTS
SPRING NUT
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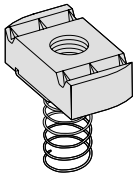
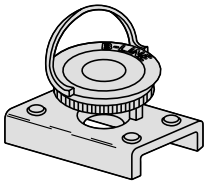
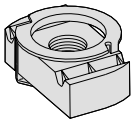


FN224 & FN228
E-Z TWIRL® NUT
Pg. 48



METRIC CHANNEL NUTS
TWIRL NUT®
Pg. 48



DCN3/8
CONVEYOR NUT
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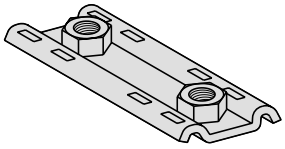
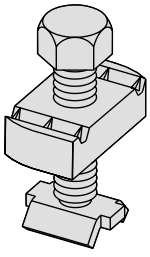
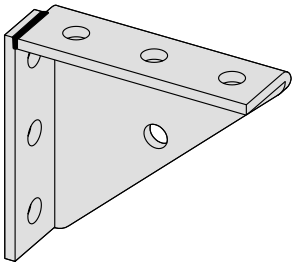


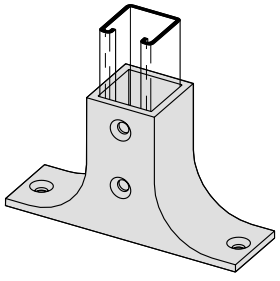
SC228
SEISMIC ROD STIFFENER
Pg. 56



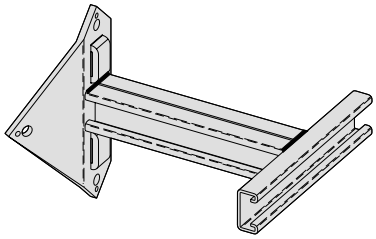
B888W
WELDED GUSSET BRACKET
Pg. 65



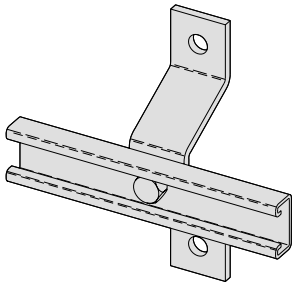
B300
MALLEABLE POST BASE
Pg. 84



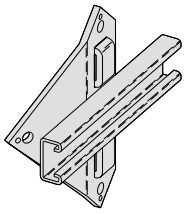
B852S-W-D
UTILITY POLE BRACKET
Pg. 90



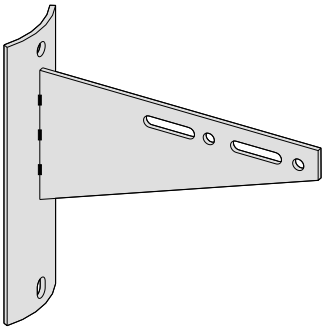
B802D
UTILITY POLE BRACKET
Pg. 90



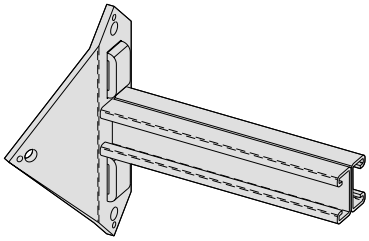
B810
UTILITY POLE BRACKET
Pg. 90



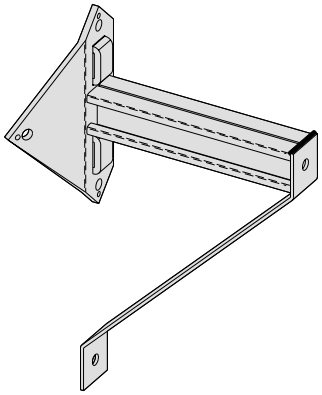
B816
UTILITY POLE BRACKET
Pg. 90



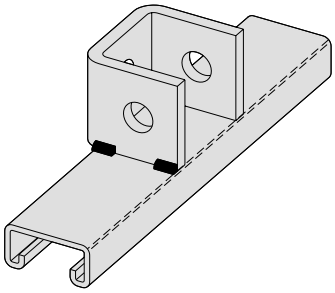
B812
UTILITY POLE BRACKET
Pg. 91



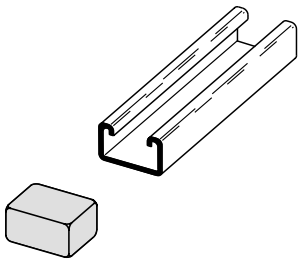
B809B
UTILITY POLE BRACKET
Pg. 91



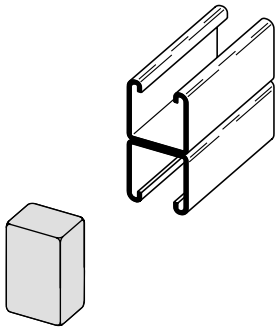
B811
UTILITY POLE BRACKET
Pg. 91



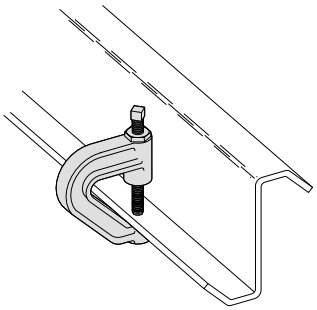
B852
PLASTIC END CAP
Pg. 96



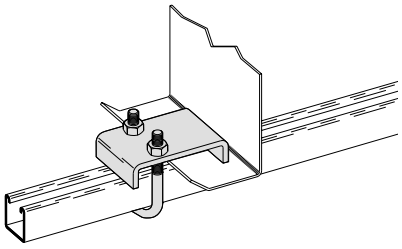
B822A
PLASTIC END CAP
Pg. 96



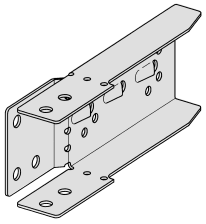
B3037Z
Z PURLIN BEAM CLAMP
Pg. 99



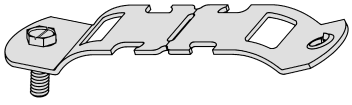
B441Z
Z PURLIN BEAM CLAMP
Pg. 105



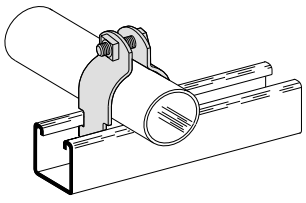
BMB1
METAL STUD ADAPTER
Pg. 109



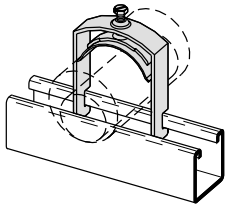
BPC-8
BREAK-APART PIPE CLAMP
Pg. 111



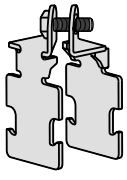
B2000 SERIES
DURA-COPPER®
STRUT CLAMPS
Pg. 113



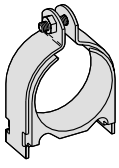
P CLAMPS
O.D. SIZE .250”-2.750”
Pg. 117



B2600 SERIES
TWIST EAR®
PIPE CLAMP
Pg. 117



VIBRACLAMP®
O.D. SIZE 1/4”-6 1/8”
PIPE SIZE 1/4”-6”
Pg. 118-119



BE-5-8
PIPE SLEEVE FASTENER
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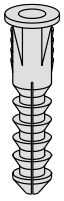
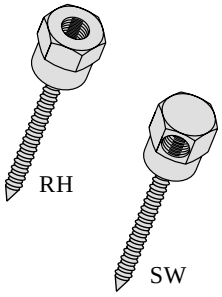
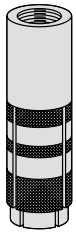
APS-4-87 THRU APS-12-150
PLASTIC SCREW ANCHOR
Pg. 195



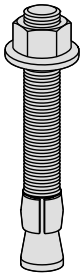
ARC-25-175-RH25 THRU ARC-31-200-SW37
RAPID ROD™ HANGER
Pg. 195



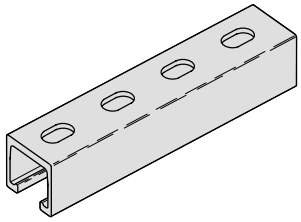
ADI-25 THRU ADI-75
DROP-IN ANCHOR
Pg. 195



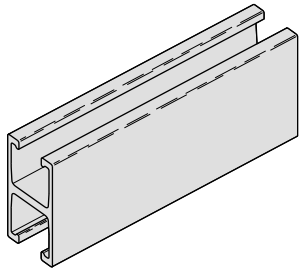
AWA-37-225 THRU AWA 50-700
WEDGE ANCHOR
Pg. 195



BFP22SH
BFP42SH
FIBERGLASS
Pg. 157-158



BFP22A
BFP42A
FIBERGLASS
Pg. 157-158



BFP22
BFP42
FIBERGLASS
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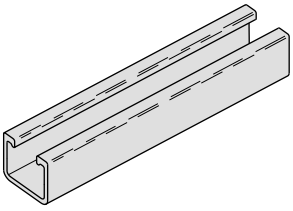

BFP22I
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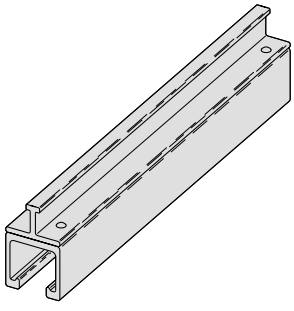

SPRING NUTS
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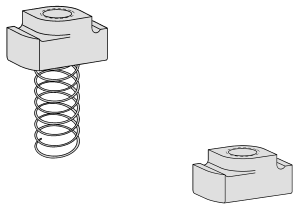

BFP2000 SERIES
FIBERGLASS PIPE CLAMP
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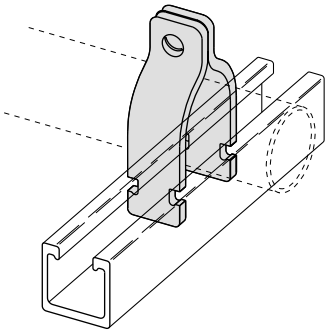

BFPU SERIES
FIBERGLASS ADJUSTABLE PIPE CLAMP
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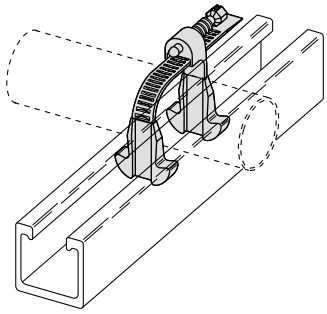

BFV2400
FIBERGLASS PIPE CLAMP
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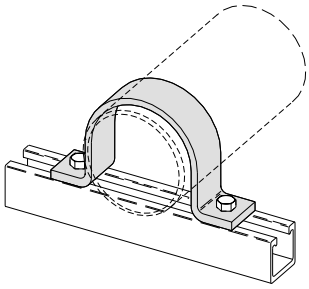

BFV751
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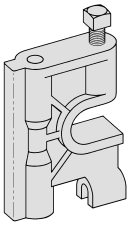

BFV755
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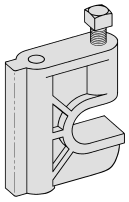

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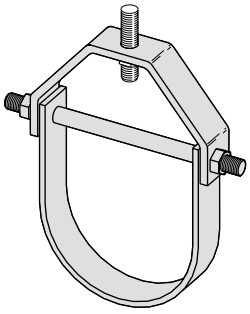

BF*409 SERIES
FIBERGLASS WALL BRACKETS
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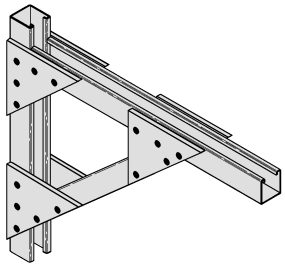

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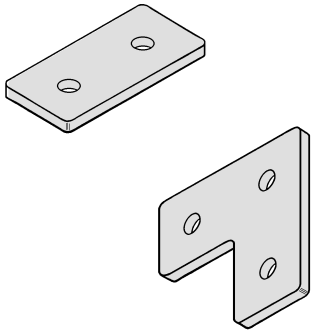

BFP281
FIBERGLASS POST BASE
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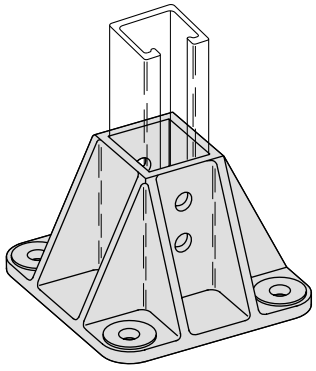

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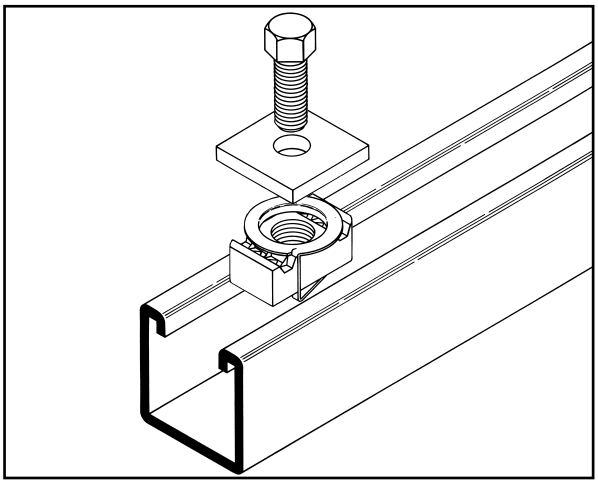
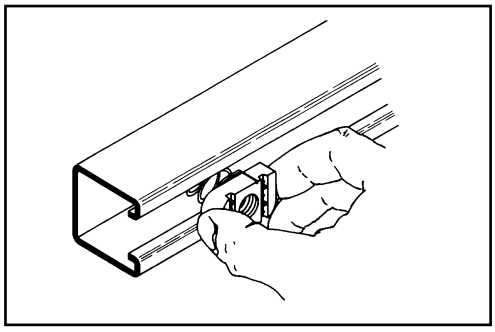
B-Line's metal framing support system is designed with many time-saving features. They are fully adjustable and reusable, with a complete line of channels, fittings and accessories for multi-purpose applications.

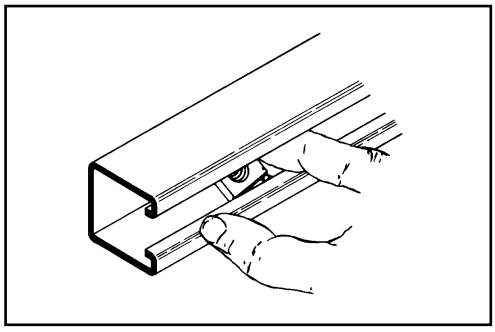


- **No Welding**
- **No Drilling**
- **Use Your Imagination**

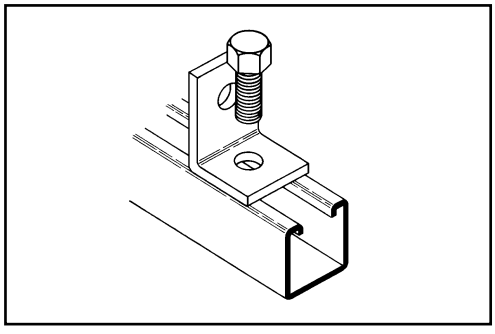
B-Line metal framing installs quickly. There is no need for special tools. All you need is a wrench and hacksaw. Channels and parts can be taken apart for reuse as quickly as they were assembled, yet they provide the strength of welded construction. Eliminating welding and drilling produces substantial savings in time and labor.



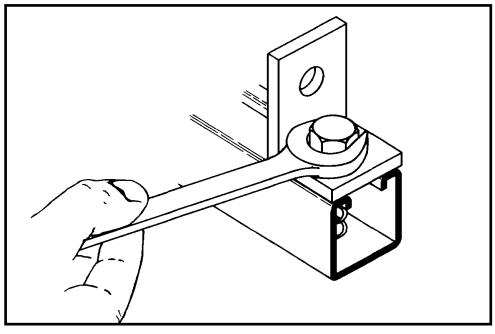
1. **Tite-Grip channel nut may be inserted anywhere along continuous slot. Designed for easy insertion and self-alignment.**



2. **A 90 degree turn aligns channel nut grooves with inturned lips of the channel.**

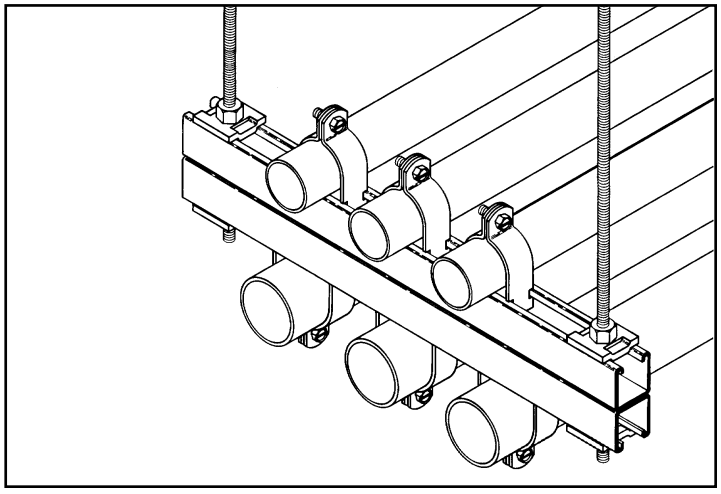


3. **Position fitting over channel nut and insert bolt to start any connection.**

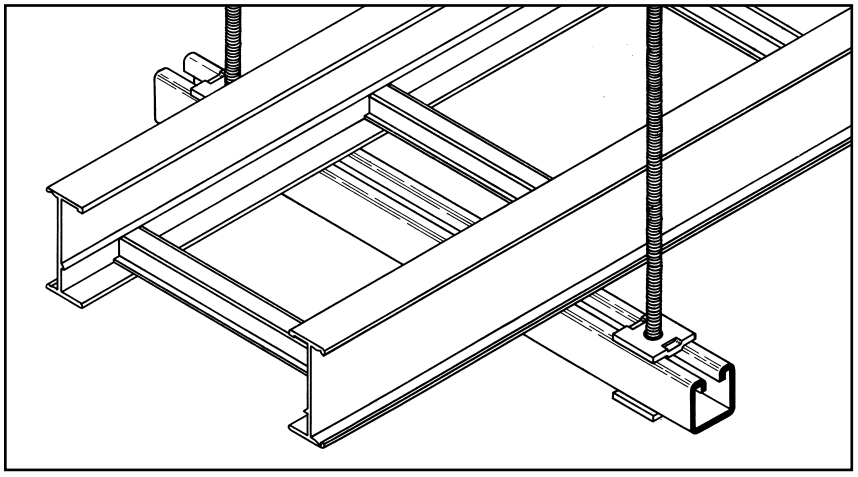


4. **With the twist of a wrench, channel nut locks its teeth firmly against inturned lips.**

B-Line's Metal Framing system provides an economical solution for electrical, mechanical and industrial supports with an unlimited variety of applications in the construction industry.

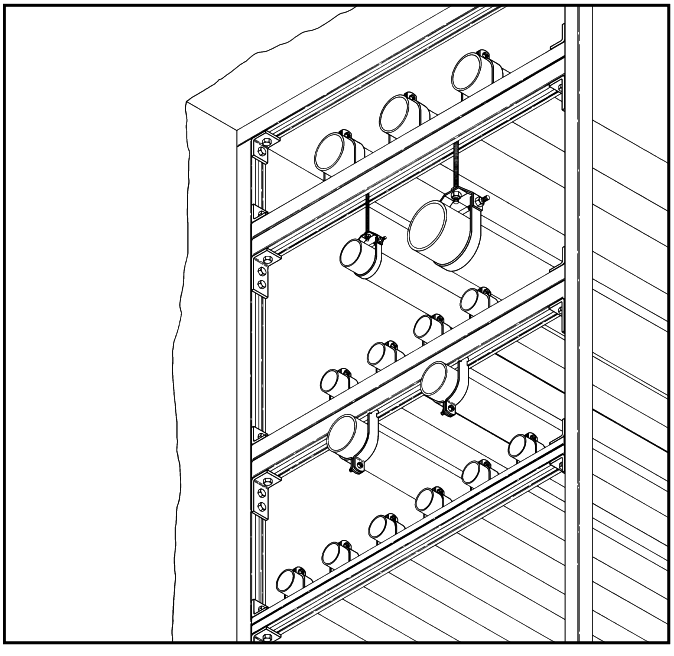


Metal Framing Electrical Applications
- **Lighting Fixture Supports**
- **Raceway Systems**
- **Trapeze Hangers**
- **Pipe & Conduit Supports**
- **Cable Tray Supports**
- **Beam Adjustments**



Metal Framing Mechanical Applications
- **Piping Racks**
- **Tunnel Pipe Stanchions**
- **Concrete Inserts**
- **Beam Attachments**
- **Pipe Risers**

Metal Framing Industrial Applications
- **Racks and Shelving**
- **Partitions**
- **Production Line Supports**
- **Trolley Systems**
- **Wall Framing**



MATERIALS

Carbon Steel
Channels made from high-quality carbon steel are continuously roll formed to precise dimensions. By cold working the steel, mechanical properties are increased, allowing lightweight structures to carry the required load. Corrosion resistance of carbon steel varies widely with coating and alloy. See “Finishes” for more detailed information.

Stainless Steel
Stainless steel channel is available in AISI Type 304 or 316 material. Both are non-magnetic and belong to the austenitic stainless steels group, based on alloy content and crystallographic structure. Like carbon steel, stainless steel exhibits increased strength when cold worked by roll-forming.

Several conditions make the use of stainless steel ideal. These include reducing long term maintenance costs, high ambient temperatures, appearance, and stable structural properties such as yield strength, and high creep strength.

Type 304 resists most organic chemicals, dyestuffs and a wide variety of inorganic chemicals at elevated or cryogenic temperatures. Type 316 contains slightly more nickel and adds molybdenum to give it better corrosion resistance in chloride and sulfuric acid environments. More specific information concerning the differences between types 304 and 316 is available from B-Line.

Aluminum
B-Line’s standard aluminum channel is extruded from aluminum alloy 6063-T6. Strut fittings are made from aluminum alloy 5052-H32.

The high strength to weight ratio of channel made of aluminum greatly reduces the overall cost of installation through ease of handling and field cutting.

Aluminum owes its excellent corrosion resistance to its ability to form an aluminum oxide film that immediately reforms when scratched or cut. In most outdoor applications, aluminum has excellent resistance to “weathering”. The resistance to chemicals, indoor or outdoor, can best be determined by tests conducted by the user with exposure to the specific conditions for which it is intended. The corrosion resistance of aluminum to some commonly known chemicals is shown in the Corrosion Chart. For further information, contact B-Line Systems, Inc. or the Aluminum Association.

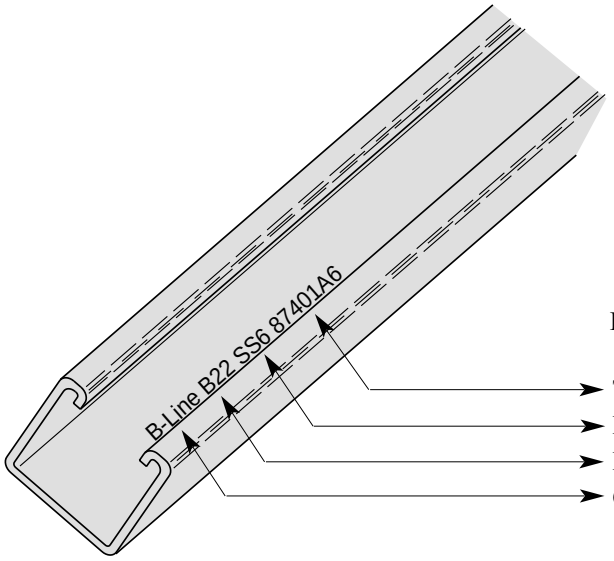
Fiberglass
B-Line offers two fire retardant (FR) resins for strut systems, polyester and vinyl ester. Both resins are ideal for corrosive environments or nonconductive applications with moderate strength requirements. Some common types of environments where Vinyl Ester Resins are recommended, that Poly Esters are not, are paper mills, most any metal plating operation and any condition with concentrated levels of Chlorine, [Cl^-]. Please consult our fiberglass corrosion resistance charts on pg. 173 for specific chemical recommendation data.

Unlike other base materials depicted in this catalog, fiberglass exhibits unique physical property changes when operating in elevated temperature conditions, that are a fraction of increase compared to steel or aluminum. This being true, B-Line advises against using fiberglass in temperatures greater than 200° F.

Please refer to the "Corrosion Resistance Guide" below for specific applications.

B-Line Fiberglass Strut systems are manufactured from glass fiber-reinforced plastic shapes that meet ASTM E-84, Class 1 Flame Rating and self-extinguishing requirements of ASTM D-635. A surface veil is applied during pultrusion to insure a resin-rich surface and ultraviolet resistance.

While polyester is sufficient for most uses, vinyl ester is suitable for a broader range of environments.



B-Line Steel Strut is stamped every 18” with:

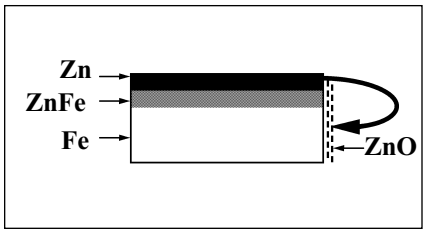
- Traceable to the steel’s origin
- Material/Finish
- B-Line part number designation
- Company Name

FINISHES

Zinc Coatings

Zinc protects steel in two ways. First it protects the steel as a coating and second as a sacrificial anode to repair bare areas such as cut edges, scratches, and gouges. The corrosion protection of zinc is directly related to its thickness and the environment. This means a .2 mil coating will last twice as long as a .1 mil coating in the same environment.

Galvanizing also protects cut and drilled edges.



Electrogalvanized Zinc

Electrogalvanized Zinc (also known as zinc plated or electroplated) is the process by which a coating of zinc is deposited on the steel by electrolysis from a bath of zinc salts.

A rating of SC3, B-Line's standard, provides a minimum zinc coating thickness of .5 mils (excluding hardware, which is SC1 = .2 mils).

When exposed to air and moisture, zinc forms a tough, adherent, protective film consisting of a mixture of zinc oxides, hydroxides, and carbonates. This film is in itself a barrier coating which slows subsequent corrosive attack on the zinc. This coating is usually recommended for indoor use in relatively dry areas, as it provides ninety-six hours protection in salt spray testing per ASTM B117.

Chromium/ Zinc

Chromium/ Zinc is a corrosion resistant composition, which was developed to protect fasteners and small bulk items for automotive use. The coating applications have since been extended to larger parts and other markets.

Chromium/Zinc composition is an aqueous coating dispersion containing chromium, proprietary organics, and zinc flake.

This finish provides 1000 hours protection in salt spray testing per ASTM B117.

Pre-Galvanized Zinc

(Mill galvanized, hot dip mill galvanized or continuous hot dip galvanized) Pre-galvanized steel is produced by coating coils of sheet steel with zinc by continuously rolling the material through molten zinc at the mills. This is also known as mill galvanized or hot dip mill galvanized. These coils are then slit to size and fabricated by roll forming, shearing, punching, or forming to produce B-Line pre-galvanized strut products.

The G90 specification calls for a coating of .90 ounces of zinc per square foot of steel. This results in a coating of .45 ounces per square foot on each side of the sheet. This is important when comparing this finish to hot dip galvanized after fabrication.

During fabrication, cut edges and welded areas are not normally zinc coated; however, the zinc near the uncoated metal becomes a sacrificial anode to protect the bare areas after a short period of time.

Hot Dip Galvanized After Fabrication (Hot dip galvanized or batch hot dip galvanized)

Hot dip galvanized strut products are fabricated from steel and then completely immersed in a bath of molten zinc. A metallic bond occurs resulting in a zinc coating that completely coats all surfaces, including edges and welds.

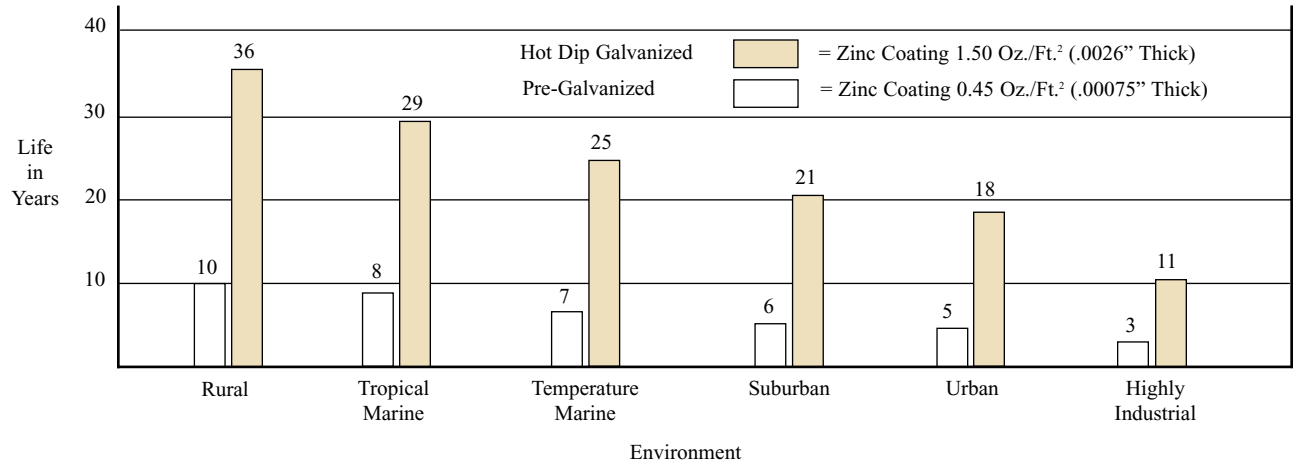
Another advantage of this method is coating thickness. Strut products that are hot dip galvanized after fabrication have a minimum thickness of 1.50 ounces per square foot on each side, or a total 3.0 ounces per square foot of steel, according to ASTM A123.

The zinc thickness is controlled by the amount of time each part is immersed in the molten zinc bath as well as the speed at which it is removed. The term "double dipping" refers to parts too large to fit into the galvanizing kettle and, therefore, must be dipped one end at a time. It does not refer to extra coating thickness.

The layer of zinc which bonds to steel provides a dual protection against corrosion. It protects first as an overall barrier coating. If this coating happens to be scratched or gouged, zinc's secondary defense is called upon to protect the steel by galvanic action.

Hot-Dip Galvanized After Fabrication is recommended for prolonged outdoor exposure and will usually protect steel for 20 years or more in most atmospheric environments and in many industrial environments. For best results, a zinc rich paint (available from B-Line) should be applied to field cuts. The zinc rich paint will provide immediate protection for these areas and eliminate the short time period for galvanic action to "heal" the damaged coating.

Anticipated Life of Zinc Coatings In Various Atmospheric Environments



Dura-Green® and Dura-Copper® Epoxy Coatings

Dura-Green and Dura-Copper epoxy coatings are water borne epoxy coatings applied to B-Line products by a precisely controlled cathodic electro-deposition process. This process is accomplished using a conveyor to transport channel and fittings through several cleaning, phosphatizing and application stages prior to being baked (See diagram below).

This custom-designed paint system is used for painting all channels, channel combinations, slotted angle, and fittings.

Samples are selected on a routine basis for Salt Spray (fog) testing to verify the quality of the finish. These tests are performed in accordance with ASTM B117-73 and evaluated and related according to ASTM D1654079 (Tables 1 & 2).

The Dura-Green and Dura-Copper Epoxy coatings have been tested and listed by Underwriters Laboratories in accordance with "Standard for Surface Metal Raceway and Fittings, UL5" and "Standard for Pipe Hanger Equipment for Fire Protection Service, UL203" and meets or exceeds all requirements of Federal Specification TT-C-490B Paragraph 3.

Due to Dura-Green's organically based composition, it seats itself into porous surfaces more completely and efficiently than zinc coatings. As these porous caverns are filled along the material profile, the outer finished surface demonstrates an increased smooth uniform plane which produces considerably less off-gasing when tested.

B-Line's Dura-Green channel meets or exceeds 100 level clean room standards. This was confirmed by testing the channel in accordance with Boeing (PCL) Standards, which are more stringent and complete than ASTM E595-93. Dura-Green was found to be a superior finish, due in part to its proven application process.

PVC Coating

Another of the corrosion resistant coatings offered by B-Line is PVC (polyvinyl chloride), applied over steel or aluminum channel and fittings. The PVC coating process begins by cleaning the product thoroughly. A bonding coat is applied to the part and then preheated to a temperature above the melting point of the coating powder. The product is then passed through a fluidized bed of vinyl plastic powder where the powder particles melt, adhere and flow out to form a smooth continuous coating. The thickness is controlled by the base metal temperature and the immersion time in the bed. It is then post-heated to complete the fusion of the outer surfaces.

The standard coating thickness of B-Line's PVC coated products is 15 mils (.380 mm), plus or minus 5 mils (.125 mm). Since the chemistry, not the thickness of vinyl plastic PVC determines longevity, a coating of 10 to 20 mils (.250 to .500 mm) is more than adequate. If the corrosive conditions are such that the plasticizers are leeched out, a thicker coating will do little to extend the life of a coated product.

For certain environments, a plastisol dipped PVC coating is available on request.

PVC coating depends totally on the concept of encapsulation attached to the base metal by a bonding agent. If any hole or discontinuity occurs, the corrosive action can undercut the base metal to a point where all that remains is the PVC.

In the event of field cuts or any other damage to the coating, a liquid PVC patch, available from B-Line, must be applied to maintain the integrity of the coating. After the installation is complete, a thorough inspection should be performed to assure the absence of voids, pinholes, or cuts.

SALT SPRAY TEST RESULTS

Type of Finish	Unscribed 5% Failure (1)	Scribed 1/8" (3.2) Creepage from Scribe (1)
B-Line Epoxy(2)	612 Hours	312 Hours
Mill Galv. (Pre-Galv.) G90	192 Hours	288 Hours
Perma-Green	438 Hours	231 Hours
Zinc Chromate	36 Hours	96 Hours
Industry Green (Range)	10 to 36 Hours	4 to 30 Hours

(1) All salt spray (fog) tests conducted in accordance with ASTM B117-73 and evaluated and rated according to ASTM D1654-79 Tables 1 & 2. Tests are performed and certified by an independent testing laboratory.
(2) Dura-Green and Dura-Copper finishes meet or exceed all requirements of Federal Specification TT-C-490B Paragraph 3.

DURA-GREEN®/DURA-COPPER® EPOXY COATING PROCESS

TANK 1 The channel and parts are thoroughly cleaned and phosphatized.

TANK 2 A rinse is applied to remove insoluble salts and unreacted phosphates.

TANK 3 A phosphatized sealer is applied to insure corrosion resistance and paint adhesion.

TANK 4 The material moves through clear water rinse to remove excess phosphates.

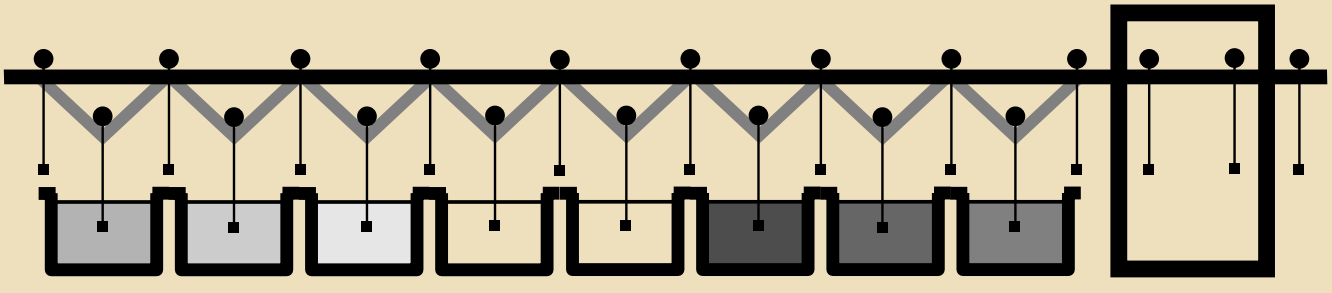
TANK 5 A pre-deionized rinse prepares the metal for the cathodic electrocoating.

TANK 6 The electrocoating tank applies a uniform coat of epoxy paint to the entire surface.

TANK 7 The first post rinse removes any unelectrically attracted solids.

TANK 8 The final rinse insures a smooth, non-blemish surface.

BAKE OVEN The curing process takes 20 minutes at a baking temperature of 375° F (199° C).



WELDING

The welding procedures used in the fabrication of B-Line steel products are in accordance with American Welding Society Standards. To achieve the highest quality in our manufacturing processes, our welders follow standards set by AWS Code.

Spot Welding

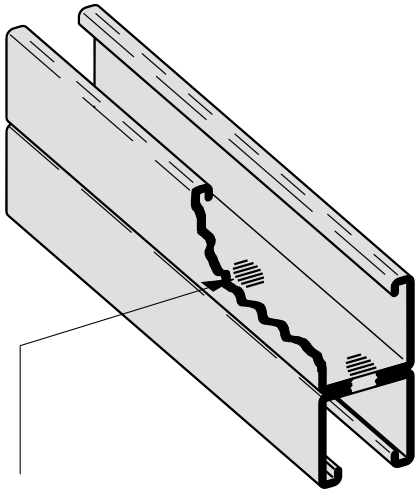
Spot welded back-to-back channel is manufactured using a modern DC powered resistance welder controlled by a microprocessor. This produces a series of spot welds with speed and consistency. Consistency is one of the most important advantages in specifying B-Line back-to-back channel. Variables such as weld sequence, speed and duration are carefully controlled and monitored by a sophisticated electronic control system. A statistical quality control program, combining destructive and non-destructive testing, is used by B-Line to ensure high quality welds.

MIG Welding

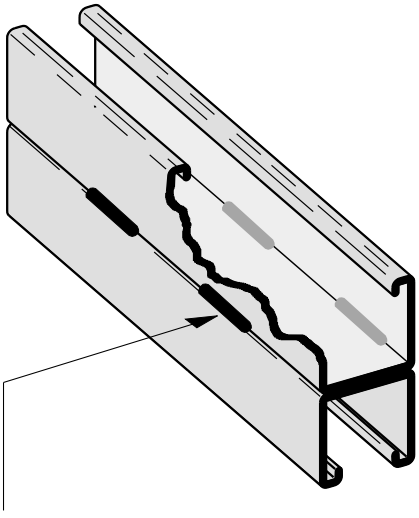
MIG welded, more properly called gas metal arc welded (GMAW) combination channels and fittings, are produced when physical dimensions or certain combinations require a weld process other than automatic spot welding. The same quality control requirements are imposed on MIG welded and spot-welded products.

Quality Assurance

B-Line System's Quality Assurance Program has been developed and implemented for compliance to 10CFR50 appendix B. B-Line also complies with various industry standards and specifications. B-Line has extensive experience in supplying metal framing components for the nuclear power generating industry and complies with 10 CFR21.



Spot Weld



Mig Weld

CORROSION

All metal surfaces are affected by corrosion. Depending on the physical properties of the metal and the environment to which it is exposed, chemical or electromechanical corrosion may occur.

Atmospheric Corrosion

Atmospheric corrosion occurs when metal is exposed to airborne liquids, solids or gases. Some sources of atmospheric corrosion are moisture, salt, dirt and sulphuric acid. This form of corrosion is typically more severe outdoors, especially near marine environments.

Chemical Corrosion

Chemical corrosion takes place when metal comes in direct contact with a corrosive solution. Some factors which affect the severity of chemical corrosion include: chemical concentration level, duration of contact, frequency of washing, and operating temperature.

Storage Corrosion

Wet storage stain (white rust) is caused by the entrapment of moisture between surfaces of closely packed and poorly ventilated material for an extended period. Wet storage stain is usually superficial, having no affect on the properties of the metal.

Light staining normally disappears with weathering. Medium to heavy buildup should be removed in order to allow the formation of normal protective film. Proper handling and storage will help to assure stain-free material. If product arrives wet, it should be unpacked and dried before storage. Dry material should be stored in a well ventilated "low moisture" environment to avoid condensation formation. Outdoor storage is undesirable, and should be avoided whenever possible.

Galvanic Corrosion

Galvanic corrosion occurs when two or more dissimilar metals are in contact in the presence of an electrolyte (ie. moisture). An electrolytic cell is created and the metals form an anode or a cathode depending on their relative position on the Galvanic Series Table. The anodic material will be the one to corrode. Anodic or cathodic characteristics of two dissimilar metals will depend on the type of each material. For example: If zinc and steel are in contact, the zinc acts as the anode and will corrode; the steel acts as the cathode, and will be protected. If steel and copper are in contact, the steel is now the anode and will corrode.

The rate at which galvanic corrosion occurs depends on several factors:

GALVANIC SERIES IN SEA WATER

Anodic End

More Anodic

- Magnesium
- Magnesium Alloys
- Zinc
- Beryllium
- Aluminum - Zinc Alloys (7000 series)
- Aluminum - Magnesium Alloys (5000 series)
- Aluminum (1000 series)
- Aluminum - Magnesium Alloys (3000 series)
- Aluminum - Magnesium - Silicon Alloys (6000 series)
- Cadmium
- Aluminum - Copper Alloys (2000 series)
- Cast Iron, Wrought Iron, Mild Steel
- Austenitic Nickel Cast Iron
- Type 410 Stainless Steel (active)
- Type 316 Stainless Steel (active)
- Type 304 Stainless Steel (active)
- Naval Brass, Yellow Brass, Red Brass
- Tin
- Copper
- Lead-Tin Solders
- Admiralty Brass, Aluminum Brass
- Manganese Bronze
- Silicon Bronze
- Tin Bronze
- Type 410 Stainless Steel (passive)
- Nickel - Silver
- Copper Nickel Alloys
- Lead
- Nickel - Aluminum Bronze
- Silver Solder
- Nickel 200
- Silver
- Type 316 Stainless Steel (passive)
- Type 304 Stainless Steel (passive)
- Incoloy 825
- Hastelloy B
- Titanium
- Hastelloy C
- Platinum
- Graphite

Cathodic End

Metals in descending order of activity in the presence of an electrolyte.

1. The relative position on the Galvanic Series Table - the further apart materials are in the Galvanic Series Table, the greater the potential for corrosion of the anodic material.

2. The amount and concentration of electrolyte present - an indoor, dry environment will have little or no galvanic corrosion compared to a wet atmosphere.

3. The relative size of the materials - a small amount of anodic material in contact with a large cathodic material will result in greater corrosion. Likewise, a large anode in contact with a small cathode will decrease the rate of attack.

Chemical	Aluminum	Dura-Green	PVC	Type 304 Stainless	Type 316 Stainless	Zinc Coated Steel
Acetic Acid 10%	R	NR	R	R	R	NR
Acetic Acid 2%	R	F	R	R	R	NR
Acetone	R	R	NR	R	R	R
Ammonium Hydroxide-Conc.	R	R	R	R	R	–
Ammonium Hydroxide 10%	F	R	R	R	R	–
Ammonium Hydroxide 2%	R	R	R	R	R	–
Benzene	R	R	NR	R	R	–
Bromine Water	NR	R	R	NR	NR	–
Butanol (Butyl Alcohol)	R	R	R	R	R	R
Carbon Disulfide	R	R	NR	R	R	–
Carbon Tetrachloride	F	R	F	R	R	–
Chlorine Water	R	R	R	NR	F	R
Cutting Oil	–	R	–	–	–	–
Diethanolamine	R	R	NR	–	–	NR
Ethanol	R	R	R	R	R	R
Ethyl Acetate	R	R	NR	–	–	R
Ethylene Dichloride	F	R	NR	–	–	R
Formaldehyde 20%	R	R	R	R	R	R
Gasoline	R	R	R	R	R	R
Glycerine	R	R	R	R	R	R
Household Detergent 10%	F	R	R	R	R	–
Hydrochloric Acid 40%	NR	NR	R	NR	NR	NR
Hydrochloric Acid 10%	NR	F	–	NR	NR	NR
Hydrochloric Acid 2%	NR	F	–	NR	NR	NR
Hydrogen Peroxide 30%	R	NR	R	R	R	–
Hydrogen Peroxide 3%	R	R	–	R	R	–
Hydrogen Sulfide (Gas)	R	R	R	F	R	–
JP-4 Jet Fuel	R	R	R	R	R	–
Lactic Acid 85%	F	R	R	NR	–	–
Latex	R	R	–	R	R	NR
Linseed Oil Fatty Acid	R	F	R	R	R	–
Methanol	R	R	R	R	R	R
Methyl Ethyl Ketone	R	R	NR	–	–	R
Methyl Isobutyl Ketone	R	R	NR	–	–	R
Mineral Spirits	R	R	–	–	–	–
Motor Oil-10W	R	R	R	R	R	R
Naphtha, VM&P	R	R	R	R	R	R
Nitric Acid 2%	F	NR	R	R	R	–
Perchloroethylene	R	R	–	–	–	NR
Petroleum Ether	–	R	–	R	R	R
Phenol 10%	R	R	NR	R	R	R
Phosphoric Acid 2%	F	NR	R	R	R	NR
Potassium Hydroxide 50%	NR	R	R	R	R	–
Potassium Hydroxide 10%	NR	R	R	R	R	–
Potassium Hydroxide 2%	NR	R	R	R	R	–
Sodium Chloride 25%	F	R	R	R	R	F
Sodium Hydroxide 50%	NR	R	R	R	R	NR
Sodium Hydroxide 10%	NR	R	R	R	R	F
Sodium Hydroxide 2%	NR	R	R	–	–	–
Sodium Hypochlorite-C1. 10%	F	R	R	–	–	–
Sodium Hypochlorite-C1. 6%	F	R	R	NR	R	–
Sulfuric Acid 2%	F	NR	R	NR	R	NR
Tall Oil Fatty Acid (Syfate 94)	R	R	R	–	–	–
Tannic Acid 50%	F	R	R	R	R	–
Water-Deionized	R	R	R	R	R	F
Water-Sea	F	F	R	R	R	F
Water-Tap	R	R	R	F	F	R
Xyol	R	R	NR	–	–	–

Fiberglass corrosion chart on page 173.

The corrosion data given in this table is for general comparison only.
The presence of contaminates and the effect of temperature in chemical environments can greatly affect the corrosion of any material.
B-Line strongly suggests that field service tests or simulated laboratory tests using actual environmental conditions be conducted in order to determine the proper materials and finishes to be selected.

R=Recommended
F=May be used under some conditions
NR=Not Recommended
–Information not available

DESIGN OF STRUT SYSTEMS

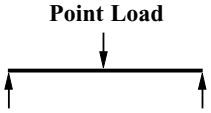
Beams

Beams are usually defined as horizontal members which are subjected to vertical loads such as shelves, platforms or supports for pipes, conduits or cable trays. The following is a brief overview of common beam configurations:

Simple Beam

An example of a simple beam is a length of channel placed across two cylinders. When a load is applied, the channel will support the load because of its stiffness. The cylinders serve to support the channel, but do not interfere with its natural tendency to flex or bend. Simple beam analysis is used almost universally for beam comparisons, even though it is seldom practical in field installations.

A cable tray or conduit trapeze hanger closely resembles a simple beam.



Fixed Beam

This type of fixed support restricts the movement of the ends of the channel when a load is applied. Because of this, the stiffness of the channel at the ends and center is employed to resist the load. The result is a load capability which is greater than that of an identical simple beam.

The fixed beam can be approximated by bolting or welding a length of channel to rigid supports.

Cantilever Beam

Cantilever beams are often viewed as variations of a fixed beam, but they have special characteristics of their own. One end of the channel is firmly attached to a rigid support while the other end remains completely free.

A shelf bracket is an example of a cantilever beam.

Continuous Beam

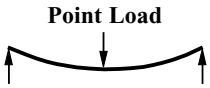
This beam configuration is commonly used in lighting installations. The continuous beam possesses traits of both the simple and fixed beams. When equal loads are applied to all spans simultaneously, the counter-balancing effect of the loads on both sides of a support restricts the movement of the channel at the support, similar to that of the fixed beam. The end spans behave substantially like simple beams.

Continuous beam installations can typically support 20% more load than a simple beam of the same span with approximately half the deflection.

Therefore, simple beam data should be used for a general comparison only. An example of this configuration is found in a long run of channel when installed across several supports to form a number of spans.

Deflection

Deflection, commonly referred to as “sag”, is inherent in applying a load to a beam and cannot be avoided. Any and all beams will deflect when loaded. The amount of deflection will vary depending upon the material and the stiffness or moment of inertia. The deflection equations in this section show that increasing the stiffness can be increased by a variety of methods. Increasing the depth of the channel is the most direct method.



The material used affects deflection in a manner which is significantly different from the way in which it affects load capacity. The deflection under load is inversely proportional to a material property known as the “modulus of elasticity” designated by “E”.

The modulus of elasticity is dependent upon the basic composition of the material and is not necessarily related to the material’s strength.

Safety Factor

The design loads given for strut beam loads are based on a simple beam condition using allowable stress of 25,000 psi. This allowable stress results in a safety factor of 1.68. This is based upon a virgin steel minimum yield strength of 33,000 psi cold worked during rolling to an average yield stress of 42,000 psi.

Aluminum typically has an elastic modulus which is 1/3 that of steel even though they may have identical strength. As a result, the deflection of aluminum channel will be three times that of steel channel under equal loading. In areas where structures will be subject to general viewing, deflection can produce a displeasing effect. To the untrained eye, a sagging channel may appear to be a result of poor design or excessive loading. This is not usually the case. Many properly designed channel installations will show a noticeable deflection at their designed loads. In areas where cosmetics are not important, deflection should not be a factor. Designing an entire installation based on minimal deflection could result in an over designed structure. This translates into increased material and installation cost. Where cosmetics are important, it may be necessary to limit the deflection to an aesthetically pleasing amount. This "acceptable deflection" amount is typically given as a fraction of the span. **1/240 span** deflection is typically the limit where the amount of deflection appears negligible. For example, a beam span of 240" would be allowed 1" (240/240) of deflection at the mid point. A 120" span would only be allowed 1/2" (120/240) of deflection. The maximum load for the channel must be limited in order to remain under these deflection requirements. The allowable load resulting in 1/240 span deflection is posted in the beam load chart for each channel size.

For even more stringent deflection requirements, an allowable load is listed in the beam load charts which results in **1/360** span deflection. This amount of deflection is sometimes used for beams in finished ceilings that are to be plastered.

Twisting & Lateral Bracing

Loading of strut on long spans can cause torsional stress, resulting in the tendency of the strut to twist or bend laterally. This phenomenon reduces the allowable beam loads as shown in the beam loading charts. It is recommended that long spans be supported in a manner to prevent twisting (fixed ends), and that the channel have adequate lateral bracing. Many typical strut applications provide this support and bracing inherently. Piping, tubing, cable trays, or conduits mounted to the strut with straps and clamps prevent twisting or lateral movement. If no such lateral support exists, contact the factory for loading recommendations.

Columns

Columns are vertical members which carry loads in compression. One common example of a channel column is the vertical members of a storage rack.

In theory, a column will carry a load equal to its cross sectional area multiplied by the ultimate compressive stress of the material of which the column is made. In reality, there are many factors affecting the load capacity of a column, such as the tendency to buckle or twist laterally (torsional-flexural buckling), the type of connection at the top or bottom, the eccentricity of the load application, and material imperfections. Several of these failure modes have been considered in the allowable column load tables shown in the "Channel" section of this catalog.

B-Line strongly recommends that the engineer perform a detailed study of the many variable conditions before the selection process begins.

Design Factors to be Considered

The loading capacity of channel depends primarily on the material, its cross-sectional design, and the beam or column loading configuration. It should be noted that if two lengths of channel have identical designs and configurations, the one made of the stronger base material will support a larger load. Therefore, any comparison of channel should begin by determining whether the materials are approximately equal in strength.

The column loading chart for each channel lists the allowable load for each channel in compression. This load varies depending on the support condition or "K-factor".

Several "K-factors" are listed, which correspond to the following support conditions:

K = .8 pinned top - fixed bottom
K = .65 fixed top - fixed bottom
K = 1.0 pinned top - pinned bottom
K = 1.2 free top - fixed bottom

There are a number of physical properties which are important to the complete design of a channel member; the "section modulus" designated as "Sx" or "Sy", "moment of inertia" designated by "Ix" or "Iy", and the "radius of gyration" which is given as "rx" or "ry".

Every structural material has its own maximum or ultimate stress, which is usually expressed in "pounds per square inch" (pascals). Any load which causes a member to fail is referred to as its "ultimate" load. In order to prevent channel from being accidentally loaded up to or beyond its ultimate load, a safety factor is included into the design. The ultimate load is divided by the safety factor to obtain the "recommended" or "allowable" working load.

When evaluating channel under various beam conditions, it is often more convenient to compare in terms of the ultimate or recommended "bending moment". Simple equations show the stress is directly proportional to the bending moment.

Therefore, comparing bending moments can save time in repeated calculations. The chart containing Formulas on Common Beam Loadings (following page) shows how to calculate the bending moment for various configurations and load conditions. It should be noted that the bending moment is usually not constant, but varies along the length of the span. However, the channel must be designed for a single point, which is the point of maximum bending moment.

For information regarding dynamic or seismic design, contact B-Line's Home Office.

GENERAL INFORMATION

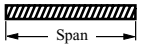
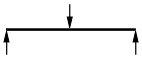
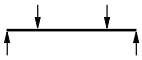
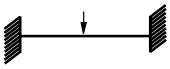
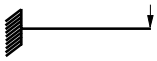
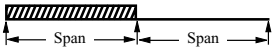
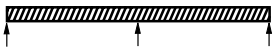
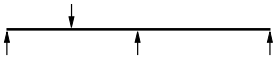
Torque

The torque values given throughout the catalog are to be used as a guide only. The relationship between the applied torque or torque wrench reading and the actual tension created in the bolt may be substantially different. For example, a dry non-lubricated bolt with a heavy plating may rate 50% as efficient as a bolt which is lubricated with a mixture of heavy oil and graphite. Other important factors affecting torque-tension relationships include friction under the bolt head or nut, hole tolerances, and torque wrench tolerances. Accuracy of many commercial torque wrenches may vary as much as plus or minus 25%.

Charts and Tables

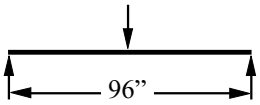
Charts and tables in this section are compiled from information published by nationally recognized organizations and are intended for use as a guide only. B-Line recommends that users of this information determine the validity of such information as applied to their own application.

The data shown in the beam load charts for appropriate channels on page(s) 17 thru 39 is for simply supported, single span beams with a uniformly distributed load. For other loading and/or support conditions, use the appropriate factor from the chart below.

LOAD AND SUPPORT CONDITION	Load Factor	Deflection Factor
Simple Beam - Uniform Load 	1.00	1.00
Simple Beam - Concentrated Load at Center 	.50	.80
Simple Beam - Two Equal Concentrated Loads at 1/4 Points 	1.00	1.10
Beam Fixed at Both Ends - Uniform Load	1.50	.30
Beam Fixed at Both Ends - Concentrated Load at Center 	1.00	.40
Cantilever Beam - Uniform Load	.25	2.40
Cantilever Beam - Concentrated Load at End 	.12	3.20
Continuous Beam - Two Equal Spans - Uniform Load on One Span 	1.30	.92
Continuous Beam - Two Equal Spans - Concentrated Load on Both Spans 	1.00	.42
Continuous Beam - Two Equal Spans - Concentrated Load at Center of One Span 	.62	.71
Continuous Beam - Two Equal Spans - Concentrated Load at Center of Both Spans	.67	.48

EXAMPLES:

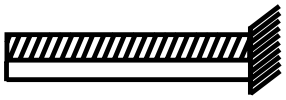
PROBLEM:
Calculate the maximum allowable load and corresponding deflection of a simply supported B22 beam with a concentrated load at midspan as shown.



SOLUTION:
From beam load chart for B22 (page 22), maximum allowable Load is A and the corresponding deflection is B.
Multiplying by the appropriate factors shown in the chart above.

LOAD = A x load factor = _____
DEFLECTION = B x deflection factor =

PROBLEM:
Calculate the maximum allowable load and corresponding deflection of a cantilever B52 beam with a uniformly distributed load.



SOLUTION:
From beam load chart for B52 (page 33), maximum allowable load is A and the corresponding deflection is B.
Multiplying by the appropriate factors shown in chart above.

LOAD = A x load factor = _____
DEFLECTION = B x deflection factor = _____

RECOMMENDED BOLTED METAL FRAMING SPECIFICATION

Brackets [ ] indicate alternative specifications which may be substituted by the project engineer.

PART 1 - GENERAL
1.01 WORK INCLUDED
A. Continuous slot, bolted framing channels and all associated fittings and hardware.

B. Trapeze type supports for cable tray, conduit, pipe and other similar systems.

C. Use of bolted metal framing as a surface metal raceway.

1.02 REFERENCES
A. ASTM A123 - Specification for Zinc (hot-dip galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars and Strips.

B. ASTM A570 - Specification for Steel, Sheet and Strip, Carbon, Hot-Rolled, Structural Quality.

C. ASTM B633 - Specification for Electrodeposited Coatings of Zinc on Iron and Steel.

D. ASTM A653 SS Gr. 33 G90 - Specification for Steel Sheet, Zinc Coated (Galvanized) by the Hot-Dip Process.

E. ASTM A907 - Standard Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Carbon, Hot-Rolled, Structural Quality.

F. MFMA - Metal Framing Standards Publication, MFMA-1.

1.03 QUALITY ASSURANCE
A. Manufacturers : Firms regularly engaged in the manufacture of bolted metal framing of the types required, whose products have been in satisfactory use in similar service for not less than 5 years.

B. A material heat code number shall be stamped on all strut and fittings. This is required to maintain traceability of the product to the material test reports to the ASTM standard.

C. For stainless steel items, the part number shall contain a material designator (EXAMPLE: B-Line B22SS6 for type 316 or B22SS4 for type 304), or a separate stamp shall be included to reference the type of material used.

D. MFMA Compliance: comply with the latest revision of MFMA Standard Publication Number MFMA-1, "Metal Framing".

E. NEC Compliance: Comply with the latest revision NFPA 70 - Article 352 "Surface Metal Raceways and Surface Nonmetallic Raceways".

F. UL Compliance: Comply with UL "Standard for Surface Metal Raceway and Fittings".

1.04 SUBMITTALS
A. Submit drawings of strut and accessories including clamps, brackets, hanger rods and fittings.

B. Submit manufacturer's product data on strut channels including, but not limited to, types, materials, finishes, gauge thickness and hole patterns. For each different strut cross section, submit cross sectional properties including Section Modulus (S_x) and Moment of Inertia (I_x).

1.05 DELIVERY, STORAGE AND HANDLING
A. Deliver strut systems and components carefully to avoid breakage, denting, and scoring finishes. Do not install damaged equipment.

B. Store strut systems and components in original cartons and in clean dry space; protect from weather and construction traffic.

PART 2 - PRODUCTS
2.01 ACCEPTABLE MANUFACTURERS
A. Manufacturer: Subject to compliance with these specifications, strut systems to be installed shall be as manufactured by B-Line Systems, Inc. [or engineer approved equal.]

2.02 STRUT CHANNELS AND COMPONENTS
A. General: Strut shall be $1^5/_8$" wide in varying heights and welded combinations as required to meet load capacities and designs indicated on the drawings.

B. Material and Finish: Material and finish specifications for each strut type are as follows:

1. Aluminum: Strut shall be manufactured of extruded aluminum alloy 6063-T6. All fittings and hardware shall be zinc plated according to ASTM B633. For outdoor use, all fittings and hardware shall be stainless steel Type 316 [Type 304] or chromium zinc, ASTM F1136 Gr. 3.

2. Epoxy Painted: Strut shall be made from steel meeting the minimum mechanical properties of ASTM A570, Grade 33, then painted with water born epoxy applied by a cathodic electro-deposition process. Fittings shall be manufactured from steel meeting the minimum requirements of ASTM A907 Gr. 33, Structural Quality. The fittings shall have the same epoxy finish as the strut. Threaded hardware shall be zinc plated in accordance with ASTM B633 Service Class 1 (SC1). Service Class 1 is not an acceptable coating for fittings or components other than threaded hardware.

3. Pre-Galvanized Steel: Strut shall be made from steel meeting the minimum mechanical properties of ASTM A653 SS Gr. 33 (Structural Quality), mill galvanized coating designation G90. Fittings shall be manufactured from steel meeting the minimum requirements of ASTM A907 Gr. 33, structural quality and zinc plated in accordance with ASTM B633 service class 3 (SC3). Threaded hardware shall be zinc plated in accordance with ASTM B633 Service Class 1 (SC1). Service Class 1 is not an acceptable coating for fittings or components other than threaded hardware.

4. Hot-Dip Galvanized Steel: Strut shall be made from steel meeting the minimum mechanical properties of ASTM A570, Grade 33 and shall be hot-dip galvanized after fabrication in accordance with ASTM A123. Fittings shall be manufactured from steel meeting the minimum requirements of ASTM A907 Gr. 33, Structural Quality, and hot-dip galvanized after fabrication in accordance with ASTM A123. All hardware shall be stainless steel Type 316 [Type 304] or chromium zinc ASTM F1136 Gr. 3. All hot-dip galvanized after fabrication products must be returned to point of manufacture after coating for inspection and removal of all sharp burrs.

5. Stainless Steel: All strut, fittings and hardware shall be made of AISI Type 316 [Type 304] stainless steel as indicated. Channels must be identified as required in previous section 1.03 Quality Assurance.

PART 3 - EXECUTION
3.01 INSTALLATION
A. Install strut as indicated; in accordance with equipment manufacturer's recommendations, and with recognized industry practices.

B. All nuts and bolts shall be tightened to the following values.

Bolt Size	Torque (ft-lbs)
$^1/_4$-20	6
$^5/_{16}$-18	11
$^3/_8$-16	19
$^1/_2$-13	50

METAL FRAMING CHANNELS

Channel
B-Line's metal framing channel is cold formed on our modern rolling mills from 12 Ga. (2.6), 14 Ga. (1.9), and 16 Ga. (1.5) low carbon steel strips. A continuous slot with inturned lips provides the ability to make attachments at any point.

Lengths
Standard lengths are 10' (3.05m) and 20' (6.09m) with length tolerance of +1/8" (+3.2mm). Custom lengths are available upon request.

Slots
B-Line's slotted series of channels offer full flexibility. A variety of pre-punched slot patterns eliminate the need for precise field measuring for hole locations. Slots offer wide adjustments in the alignment and bolt sizing.

Holes
A variety of pre-punched 9/16" (14.3 mm) diameter hole patterns are available in B-Line channels. These hole patterns provide an economical alternative to costly field drilling required for many applications.

Knockouts
When used with series B217-20 Closure Strips, B-Line's knockout channels can be used to provide an economical U.L. listed surface raceway. Channels are furnished with 7/8" (22.2 mm) knockouts on 6" (152 mm) centers, allowing for perfect fixture alignment on spans up to 20' (6.09 m).

Materials & Finishes*
Steel: Plain
12 Ga. (2.6), 14 Ga. (1.9) and 16 Ga. (1.5)
Steel: Pre-galvanized
12 Ga. (2.6), 14 Ga. (1.9) and 16 Ga. (1.5)

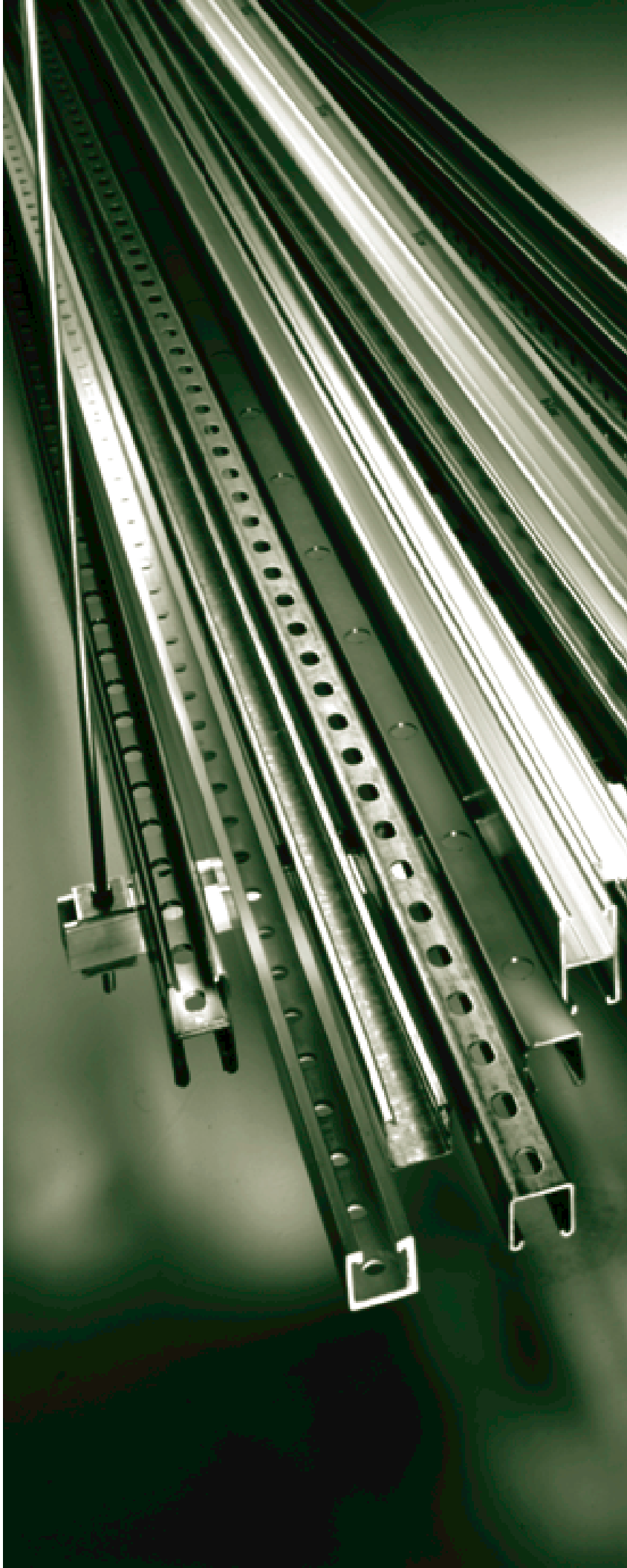
Finish Code	Finish	Specification
PLN	Plain	ASTM A570 Gr. 33
GRN	Dura-Green	TT-C-490 B
GALV	Pre-Galvanized	ASTM A653 SS Gr. 33
HDG	Hot-Dipped Galvanized	ASTM A123
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A240
AL	Aluminum	Aluminum 6063-T6

*Unless otherwise noted.

Design Load
The design loads given for strut beam loads are based on a simple beam condition using an allowable stress of 25,000 psi. This allowable stress results in a safety factor of 1.68. This is based upon virgin steel minimum yield strength of 33,000 psi cold worked during rolling to an average yield stress of 42,000 psi.

Welding
Weld spacing is maintained between 2 1/2 inches (63.5 mm) and 3 inches (76.2 mm) on center. Through high quality control testing of welded channels and continuous monitoring of welding equipment, B-Line provides the most consistent combination channels available today.

Metric
Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.



SELECTION CHART

for Channels, Materials and Hole Patterns

Channel Type	Channel Dimensions				Material & Thickness *				Channel Hole Pattern **				
	Height		Width		Steel 1	Alum. 2	Stainless Steel Type 304 3	Stainless Steel Type 316 4	SH 9/16" x 7/8" slots on 2" centers	S 13/32" x 3" slots	H17/8 9/16" diameter holes	TH 9/16" diameter on 1 7/8" centers	KO6 7/8" diameter knockouts
B11	3 1/4"	(82.5)	1 5/8"	(41.3)	12 Ga.	–	–	–	1	1	1	–	1
B12	2 7/16"	(61.9)	1 5/8"	(41.3)	12 Ga.	.105	–	–	1 2	1	1 2	–	1 2
B22	1 5/8"	(41.3)	1 5/8"	(41.3)	12 Ga.	.105	12 Ga.	12 Ga.	1 2 3 4	1 3	1 2 3	1	1 2
B24	1 5/8"	(41.3)	1 5/8"	(41.3)	14 Ga.	.080	14 Ga.	14 Ga.	1 2 3 4	1	1 2 3	–	1 2
B26	1 5/8"	(41.3)	1 5/8"	(41.3)	16 Ga.	–	–	–	1	1	1	–	1
B32	1 3/8"	(34.9)	1 5/8"	(41.3)	12 Ga.	–	12 Ga.	–	1 3	1	1 3	–	1
B42	1"	(25.4)	1 5/8"	(41.3)	12 Ga.	–	12 Ga.	–	1 3	1	1 3	–	1
B52	13/16"	(20.6)	1 5/8"	(41.3)	12 Ga.	–	12 Ga.	–	1	1	1	–	1
B54	13/16"	(20.6)	1 5/8"	(41.3)	14 Ga.	.080	14 Ga.	14 Ga.	1 2 3 4	1	1 2 3 4	–	1 2
B56	13/16"	(20.6)	1 5/8"	(41.3)	16 Ga.	–	–	–	1	1	1	–	1
B62	13/16"	(20.6)	13/16"	(20.6)	18 Ga.	–	–	–	–	–	–	–	–
B72	13/32"	(10.3)	13/16"	(20.6)	18 Ga.	–	–	–	–	–	–	–	–
E7016	3/4"	(19.0)	5/8"	(15.9)	16 Ga.	–	–	–	–	–	–	–	–

The selection has been prepared to provide a reference for available channel, materials and hole patterns. Material types available for various hole patterns are defined by numbers 1 thru 4.
Some stainless steel channels with hole patterns are available on special order only.

*Metric equivalent for thicknesses shown in chart.
12 Ga. = 2.6 mm
14 Ga. = 1.9 mm
16 Ga. = 1.5 mm
18 Ga. = 1.2 mm
.105 = 2.6 mm
.080 = 2.0 mm

**1 - Steel
2 - Aluminum
3 - Type 304 Stainless Steel
4 - Type 316 Stainless Steel

Properties may vary due to commercial tolerances of the material.

Channel Part Numbering Example:
B22 SH SS4 120

Channel Type	Hole Patterns	Material/Finish	Length
B11	SH	GRN	120
B12	S	GALV	240
B22	H178	HDG	
B24	TH	SS4	
B26	K06	SS6	
B32		AL	
B42			
B52			
B54			
B56			
B62			
B72			
E7016			

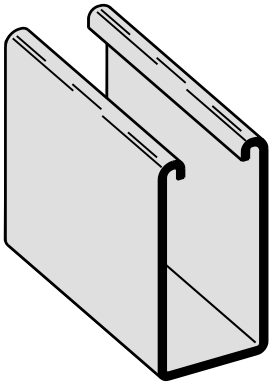
Reference page 14 for general fitting and standard finish specifications.

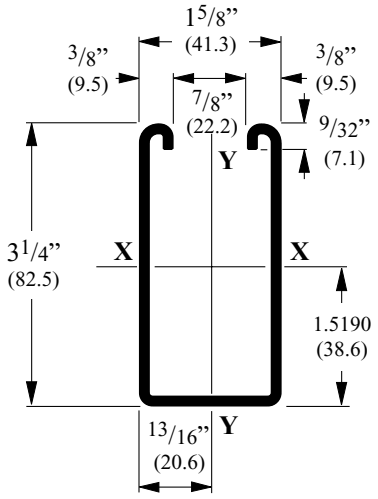
B11 CHANNEL & COMBINATIONS

B-Line

B11

- Thickness: 12 Gauge (2.6 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized, Aluminum
- Weight: 3.05 Lbs./Ft. (4.54 kg/m)

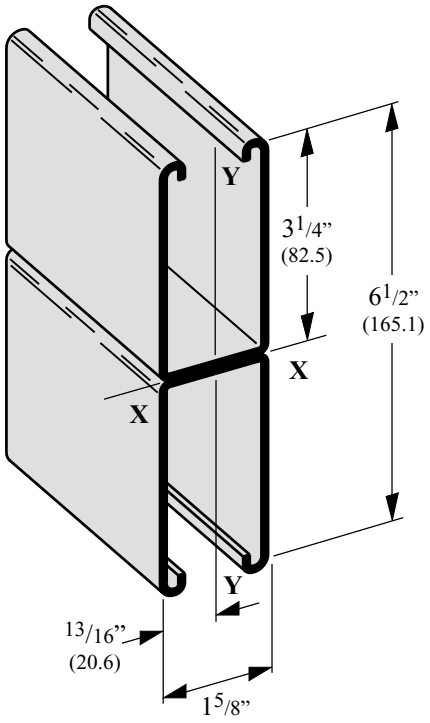




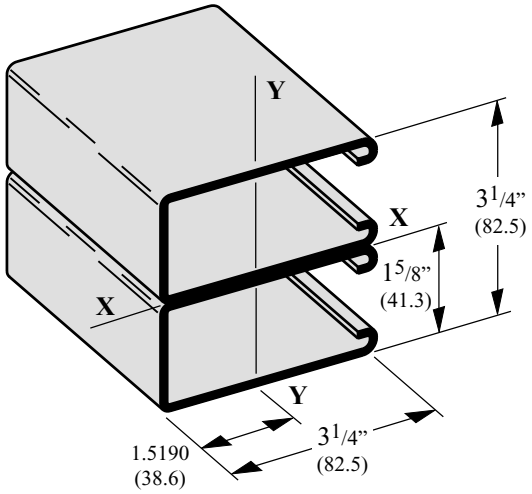
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B11	3.059	(4.55)	.900	(5.81)	1.1203	(46.63)	.6472	(10.61)	1.116	(2.83)	.4357	(18.14)	.5362	(8.79)	.696	(1.77)
B11A	6.119	(9.11)	1.800	(11.61)	6.3931	(266.10)	1.9671	(32.24)	1.885	(4.79)	.8714	(36.27)	1.0725	(17.58)	.696	(1.77)

Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B11A
Wt. 6.10 Lbs./Ft. (9.08 kg/m)



B11B
Wt. 6.10 Lbs./Ft. (9.08 kg/m)

Reference page 14 for general fitting and standard finish specifications.

B11 BEAM & COLUMN LOADING DATA

B-Line

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
24	(609)	B11	5130	(22819)	.029	(.73)	5130	(22819)	5130	(22819)
		B11A	5130*	(22819)	.005	(.13)	5130*	(22819)	5130*	(22819)
36	(914)	B11	3488	(15515)	.065	(1.65)	3488	(15515)	3488	(15515)
		B11A	5130*	(22819)	.017	(.43)	5130*	(22819)	5130*	(22819)
48	(1219)	B11	2616	(11636)	.117	(2.97)	2616	(11636)	2616	(11636)
		B11A	5130*	(22819)	.040	(1.01)	5130*	(22819)	5130*	(22819)
60	(1524)	B11	2093	(9310)	.183	(4.65)	2093	(9310)	1908	(8487)
		B11A	5130*	(22819)	.079	(2.00)	5130*	(22819)	5130*	(22819)
72	(1829)	B11	1744	(7757)	.263	(6.68)	1744	(7757)	1325	(5894)
		B11A	5130*	(22819)	.136	(3.45)	5130*	(22819)	5130*	(22819)
84	(2133)	B11	1495	(6650)	.358	(9.09)	1460	(6494)	974	(4332)
		B11A	4552	(20248)	.191	(4.85)	4552	(20248)	4552	(20248)
96	(2438)	B11	1308	(5818)	.468	(11.89)	1118	(4973)	745	(3314)
		B11A	3983	(17717)	.250	(6.35)	3983	(17717)	3983	(17717)
108	(2743)	B11	1163	(5173)	.592	(15.03)	884	(3932)	589	(2620)
		B11A	3541	(15751)	.317	(8.05)	3541	(15751)	3353	(14915)
120	(3048)	B11	1046	(4653)	.731	(18.57)	716	(3185)	477	(2122)
		B11A	3187	(14176)	.391	(9.93)	3187	(14176)	2716	(12081)
144	(3657)	B11	872	(3879)	1.053	(26.74)	497	(2211)	331	(1472)
		B11A	2656	(11814)	.563	(14.30)	2656	(11814)	1886	(8389)
168	(4267)	B11	747	(3323)	1.433	(36.40)	365	(1623)	243	(1081)
		B11A	2276	(10124)	.766	(19.45)	2078	(9243)	1386	(6165)
192	(4877)	B11	654	(2909)	1.871	(47.52)	280	(1245)	186	(827)
		B11A	1992	(8861)	1.001	(25.42)	1591	(7077)	1061	(4719)
216	(5486)	B11	581	(2584)	2.368	(60.15)	221	(983)	147	(654)
		B11A	1770	(7873)	1.267	(32.18)	1257	(5591)	838	(3727)
240	(6096)	B11	523	(2326)	2.924	(74.27)	179	(796)	119	(529)
		B11A	1593	(7086)	1.564	(39.72)	1018	(4528)	679	(3020)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
24	(609)	B11	8190	(36431)	4477	(19914)	8446	(37569)	7783	(34620)	7311	(32521)
		B11A	17701	(78738)	8267	(36773)	17778	(79080)	17572	(78164)	17416	(77470)
36	(914)	B11	7311	(32521)	4183	(18607)	7838	(34865)	6503	(28927)	5612	(24963)
		B11A	17416	(77470)	8189	(36426)	17590	(78244)	17127	(76184)	16774	(74614)
48	(1219)	B11	6214	(27641)	3783	(16827)	7053	(31373)	4988	(22188)	3816	(16974)
		B11A	17016	(75691)	8079	(35937)	17327	(77074)	16503	(73409)	15876	(70620)
60	(1524)	B11	4988	(22188)	3279	(14586)	6140	(27312)	3595	(15991)	2790	(12410)
		B11A	16503	(73409)	7727	(34371)	16988	(75566)	15701	(69841)	14721	(65478)
72	(1829)	B11	3816	(16974)	2444	(10871)	5146	(22890)	2790	(12410)	2213	(9844)
		B11A	15876	(70620)	6160	(27401)	16574	(73724)	14721	(65482)	13310	(59206)
84	(2133)	B11	3063	(13625)	1897	(8438)	4133	(18384)	2291	(10191)	1846	(8211)
		B11A	15135	(67324)	4961	(22067)	16084	(71545)	13563	(60331)	11642	(51786)
96	(2438)	B11	2564	(11405)	1532	(6814)	3398	(15115)	1953	(8687)	1591	(7077)
		B11A	14279	(63516)	4045	(7993)	15520	(69036)	12226	(54384)	9717	(43223)
108	(2743)	B11	2213	(9844)	1273	(5662)	2886	(12837)	1708	(7597)	1401	(6232)
		B11A	13310	(59206)	3337	(14844)	14880	(66189)	10712	(47649)	7725	(34362)
120	(3048)	B11	1953	(8687)	1081	(4808)	2514	(11183)	1522	(6770)	1251**	(5565)
		B11A	12226	(54384)	2784	(12384)	14164	(63004)	9019	(40118)	6257**	(27832)
144	(3657)	B11	1591	(7077)	816	(3630)	2011	(8945)	1251**	(5565)	1026**	(4564)
		B11A	9717	(43223)	1990	(8852)	12508	(55638)	6257**	(27832)	4345**	(19327)
168	(4267)	B11	1347	(5992)	642	(2856)	1687	(7504)	1058**	(4706)	859**	(3821)
		B11A	7183	(31951)	1464	(6512)	10550	(46929)	4597**	(20448)	3192**	(14199)
192	(4877)	B11	1167**	(5191)	519	(2308)	1459	(6490)	910**	(4048)	–	–
		B11A	5499**	(24461)	1121	(4986)	8330	(37053)	3520**	(15658)	–	–
216	(5486)	B11	1026**	(4564)	429	(1908)	1285**	(5716)	–	–	–	–
		B11A	4345**	(19327)	885	(3936)	6582**	(29278)	–	–	–	–
240	(6096)	B11	910**	(4048)	360	(1601)	1148**	(5106)	–	–	–	–
		B11A	3520**	(15658)	717	(3189)	5331**	(23713)	–	–	–	–

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

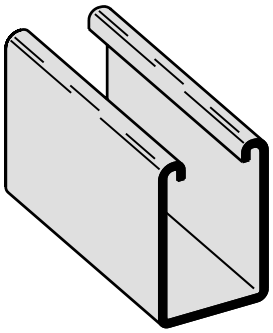
Reference page 14 for general fitting and standard finish specifications.

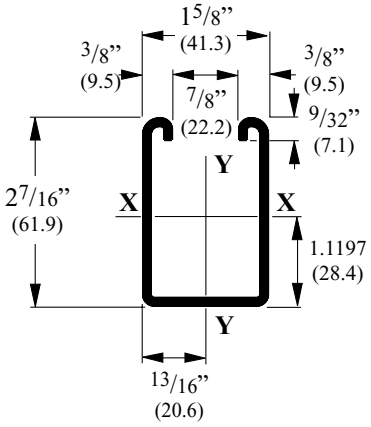
B12 CHANNEL & COMBINATIONS

B-Line

B12

- Thickness: 12 Gauge (2.6 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized, Aluminum
- Weight: 2.47 Lbs./Ft. (3.67 kg/m)

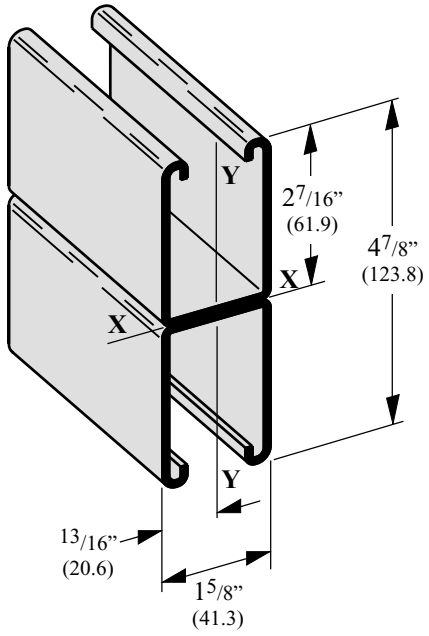




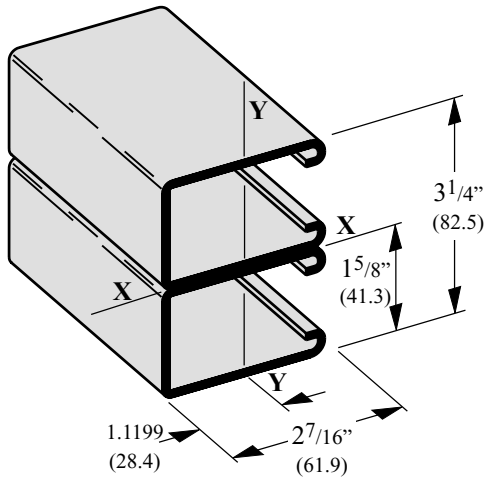
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	Moment of Inertia (I) $in.^4$	Moment of Inertia (I) cm^4	Section Modulus (S) $in.^3$	Section Modulus (S) cm^3	Radius of Gyration (r) in.	Radius of Gyration (r) cm	Moment of Inertia (I) $in.^4$	Moment of Inertia (I) cm^4	Section Modulus (S) $in.^3$	Section Modulus (S) cm^3	Radius of Gyration (r) in.	Radius of Gyration (r) cm
	X - X Axis										Y - Y Axis					
B12	2.484	(3.70)	.731	(4.71)	.5349	(22.26)	.4061	(6.65)	.856	(2.17)	.3377	(14.06)	.4156	(6.81)	.680	(1.73)
B12A	4.969	(7.40)	1.462	(9.43)	2.9036	(120.86)	1.1915	(19.52)	1.409	(3.58)	.6756	(28.12)	.8315	(13.63)	.680	(1.73)

Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B12A
Wt. 4.94 Lbs./Ft. (7.35 kg/m)



B12B
Wt. 4.94 Lbs./Ft. (7.35 kg/m)

Reference page 14 for general fitting and standard finish specifications.

B12 BEAM & COLUMN LOADING DATA

B-Line

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B12	3880	(17259)	.009	(.23)	3880	(17259)	3880	(17259)
		B12A	3880*	(17259)	.001	(.02)	3880*	(17259)	3880*	(17259)
24	(609)	B12	3273	(14559)	.038	(.96)	3273	(14559)	3273	(14559)
		B12A	3880*	(17259)	.008	(.20)	3880*	(17259)	3880*	(17259)
36	(914)	B12	2182	(9706)	.086	(2.18)	2182	(9706)	2182	(9706)
		B12A	3880*	(17259)	.028	(.71)	3880*	(17259)	3880*	(17259)
48	(1219)	B12	1636	(7277)	.153	(3.88)	1636	(7277)	1421	(6321)
		B12A	3880*	(17259)	.067	(1.70)	3880*	(17259)	3880*	(17259)
60	(1524)	B12	1309	(5823)	.240	(6.09)	1309	(5823)	909	(4043)
		B12A	3847*	(17112)	.130	(3.30)	3847*	(17112)	3847*	(17112)
72	(1829)	B12	1091	(4853)	.345	(8.76)	947	(4212)	632	(2811)
		B12A	3206	(14261)	.188	(4.77)	3206	(14261)	3206	(14261)
84	(2133)	B12	935	(4159)	.470	(11.94)	696	(3096)	464	(2064)
		B12A	2748	(12224)	.255	(6.48)	2748	(12224)	2509	(11160)
96	(2438)	B12	818	(3638)	.614	(15.59)	533	(2371)	355	(1579)
		B12A	2404	(10693)	.334	(8.48)	2404	(10693)	1921	(8545)
108	(2743)	B12	727	(3234)	.777	(19.73)	421	(1873)	281	(1250)
		B12A	2137	(9506)	.422	(10.72)	2137	(9506)	1518	(6752)
120	(3048)	B12	655	(2913)	.959	(24.36)	341	(1517)	227	(1010)
		B12A	1924	(8558)	.521	(13.23)	1844	(8202)	1229	(5467)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B12	10140	(45105)	4752	(21138)	10247	(45581)	9965	(44326)	9756	(43397)
		B12A	20820	(92612)	8023	(35688)	20854	(92763)	20763	(92358)	20694	(92051)
24	(609)	B12	9244	(41119)	4514	(20079)	9639	(42876)	8629	(38384)	7933	(35288)
		B12A	20519	(91273)	7956	(35390)	20655	(91878)	20293	(90268)	20017	(89040)
36	(914)	B12	7933	(35288)	4137	(18402)	8711	(35748)	6786	(30185)	5572	(24785)
		B12A	20017	(89040)	7844	(34892)	20324	(90405)	19509	(86780)	18889	(84022)
48	(1219)	B12	6386	(28406)	3638	(16182)	7562	(33637)	4785	(21285)	3717	(16534)
		B12A	19315	(85917)	7688	(34198)	19861	(88346)	18412	(81900)	17309	(76994)
60	(1524)	B12	4785	(21285)	2963	(13180)	6285	(27957)	3523	(15671)	2806	(12482)
		B12A	18412	(81900)	6941	(30875)	19265	(85695)	17002	(75628)	15278	(67960)
72	(1829)	B12	3717	(16534)	2197	(9773)	4964	(22081)	2806	(12482)	2271	(10102)
		B12A	17309	(76994)	5334	(23727)	18536	(82452)	15278	(67960)	12795	(56915)
84	(2133)	B12	3052	(13576)	1717	(7637)	3994	(17766)	2345	(10431)	1913	(8509)
		B12A	16005	(71194)	4176	(18576)	17675	(78622)	13240	(58894)	9884	(43966)
96	(2438)	B12	2600	(11565)	1391	(6187)	3350	(14901)	2019	(8981)	1650	(7339)
		B12A	14500	(64499)	3328	(14803)	16682	(74205)	10889	(48436)	7567	(33659)
108	(2743)	B12	2271	(10102)	1155	(5137)	2893	(12869)	1773	(7886)	1446	(6432)
		B12A	12795	(56915)	2692	(11974)	15556	(69196)	8610	(38299)	5979	(26596)
120	(3048)	B12	2019	(8981)	977	(4346)	2553	(11356)	1577	(7015)	1279**	(5689)
		B12A	10889	(48436)	2202	(9795)	14298	(63600)	6974	(31022)	4843**	(21543)

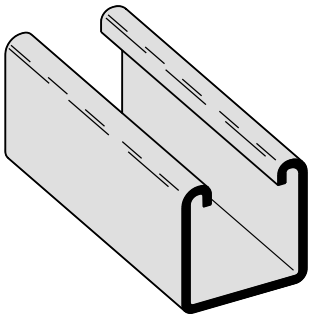
**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

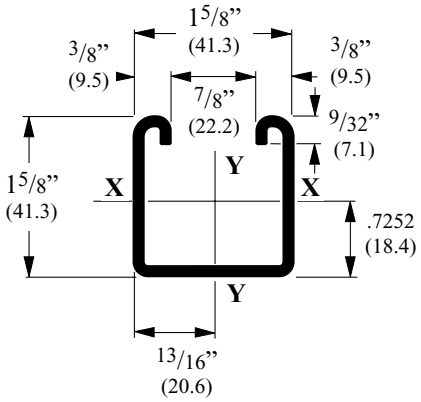
B22 CHANNEL

B-Line

B22

- Thickness: 12 Gauge (2.6 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized, Stainless Steel Type 304 or 316, Aluminum
- Weight: 1.90 Lbs./Ft. (2.83 kg/m)

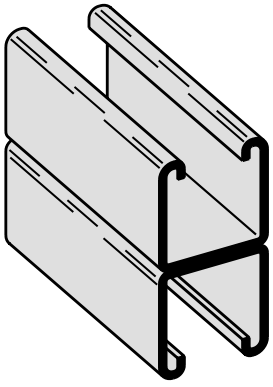




SECTION PROPERTIES

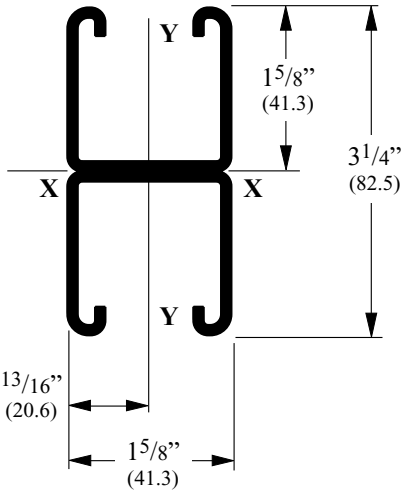
Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B22	1.910	(2.84)	.562	(3.62)	.1912	(7.96)	.2125	(3.48)	.583	(1.48)	.2399	(9.99)	.2953	(4.84)	.653	(1.66)
B22A	3.820	(5.69)	1.124	(7.25)	.9732	(40.51)	.5989	(9.81)	.931	(2.36)	.4798	(19.97)	.5905	(9.68)	.653	(1.66)
B22X	6.649	(9.89)	1.956	(12.62)	4.1484	(172.67)	1.7019	(27.89)	1.456	(3.70)	1.1023	(45.88)	1.2027	(19.71)	.751	(1.91)

Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.

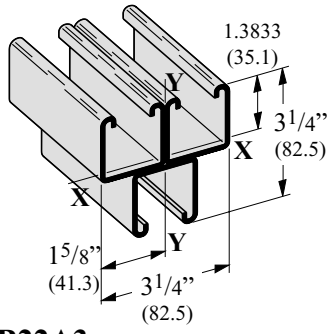


B22A

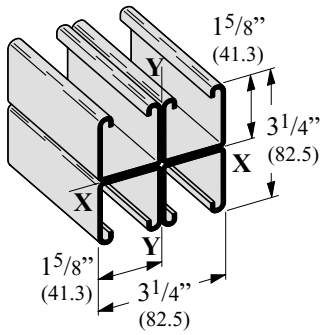
Wt. 3.80 Lbs./Ft. (5.65 kg/m)



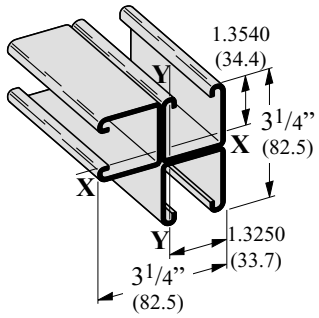
Reference page 14 for general fitting and standard finish specifications.



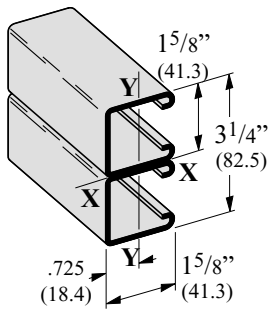
B22A3
Wt. 5.70 Lbs./Ft. (8.48 kg/m)



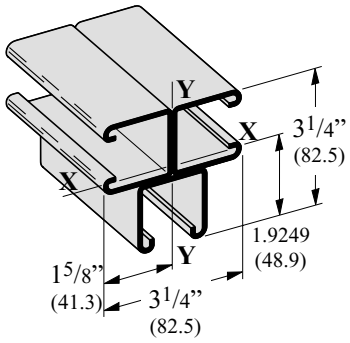
B22A4
Wt. 7.60 Lbs./Ft. (11.31 kg/m)



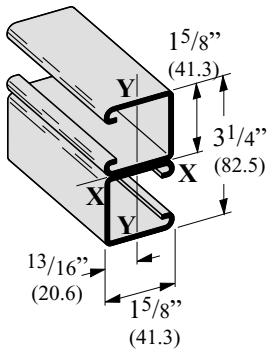
B22AD3
Wt. 5.70 Lbs./Ft. (8.48 kg/m)



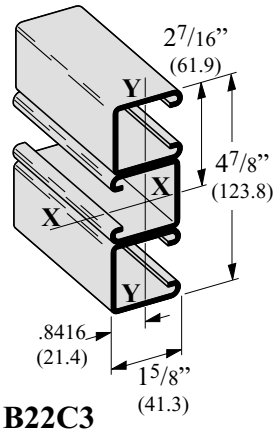
B22B
Wt. 3.80 Lbs./Ft. (5.65 kg/m)



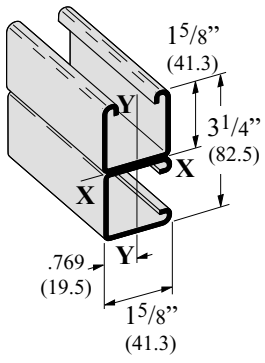
B22B3
Wt. 5.70 Lbs./Ft. (8.48 kg/m)



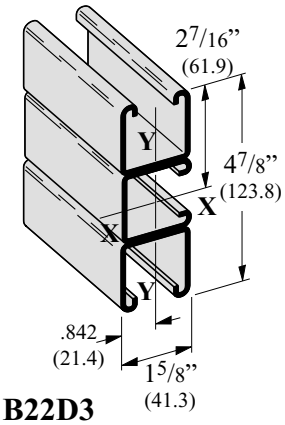
B22C
Wt. 3.80 Lbs./Ft. (5.65 kg/m)



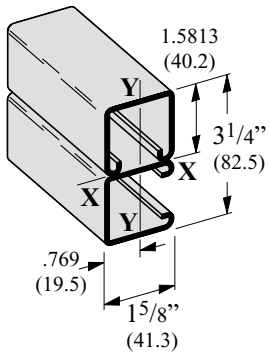
B22C3
Wt. 5.70 Lbs./Ft. (8.48 kg/m)



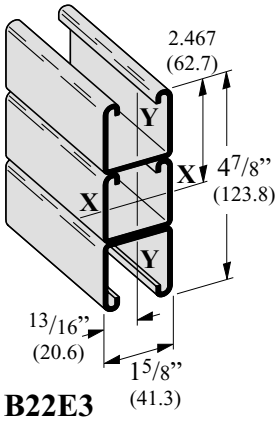
B22D
Wt. 3.80 Lbs./Ft. (5.65 kg/m)



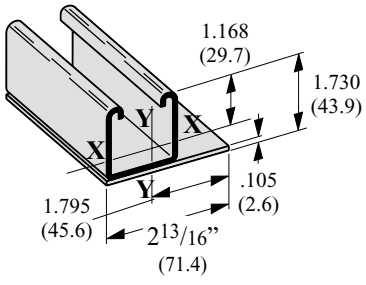
B22D3
Wt. 5.70 Lbs./Ft. (8.48 kg/m)



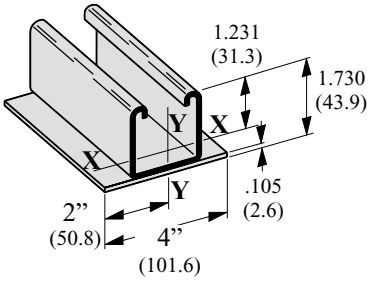
B22E
Wt. 3.80 Lbs./Ft. (5.65 kg/m)



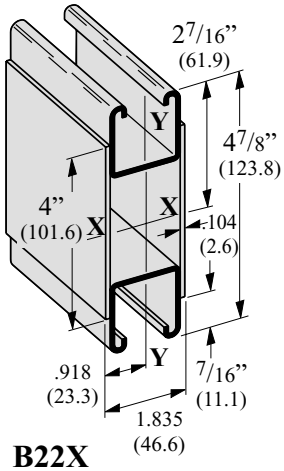
B22E3
Wt. 5.70 Lbs./Ft. (8.48 kg/m)



B22LPL
Wt. 2.90 Lbs./Ft. (4.31 kg/m)



B22PL
Wt. 3.35 Lbs./Ft. (4.98 kg/m)



B22X
Wt. 6.70 Lbs./Ft. (9.97 kg/m)

Reference page 14 for general fitting and standard finish specifications.

B22 BEAM LOADING DATA

B-Line

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	**B22**	2610	(11610)	.014	(.35)	2610	(11610)	2610	(11610)
		B22A	2610*	(11610)	.002	(.05)	2610*	(11610)	2610*	(11610)
		B22X	5790*	(25755)	.001	(.02)	5790*	(25755)	5790*	(25755)
18	(457)	**B22**	2269	(10093)	.031	(.79)	2269	(10093)	2269	(10093)
		B22A	2610*	(11610)	.007	(.18)	2610*	(11610)	2610*	(11610)
		B22X	5790*	(25755)	.003	(.07)	5790*	(25755)	5790*	(25755)
24	(609)	**B22**	1702	(7571)	.056	(1.42)	1702	(7571)	1702	(7571)
		B22A	2610*	(11610)	.017	(.43)	2610*	(11610)	2610*	(11610)
		B22X	5790*	(25755)	.008	(.20)	5790*	(25755)	5790*	(25755)
30	(762)	**B22**	1361	(6054)	.087	(2.21)	1361	(6054)	1294	(5756)
		B22A	2610*	(11610)	.033	(.84)	2610*	(11610)	2610*	(11610)
		B22X	5790*	(25755)	.017	(.73)	5790*	(25755)	5790*	(25755)
36	(914)	**B22**	1135	(5049)	.126	(3.20)	1135	(5049)	899	(3999)
		B22A	2610*	(11610)	.057	(1.45)	2610*	(11610)	2610*	(11610)
		B22X	5790*	(25755)	.029	(.73)	5790*	(25755)	5790*	(25755)
42	(1067)	**B22**	972	(4323)	.172	(4.37)	972	(4323)	660	(2936)
		B22A	2610*	(11610)	.091	(2.31)	2610*	(11610)	2610*	(11610)
		B22X	5790*	(25755)	.046	(1.17)	5790*	(25755)	5790*	(25755)
48	(1219)	**B22**	851	(3785)	.224	(5.69)	758	(3372)	505	(2246)
		B22A	2405	(10698)	.125	(3.17)	2405	(10698)	2405	(10698)
		B22X	5790*	(25755)	.068	(1.73)	5790*	(25755)	5790*	(25755)
54	(1371)	**B22**	756	(3363)	.284	(7.21)	599	(2664)	399	(1775)
		B22A	2138	(9510)	.158	(4.01)	2138	(9510)	2024	(9003)
		B22X	5790*	(25755)	.097	(2.46)	5790*	(25755)	5790*	(25755)
60	(1524)	**B22**	681	(3029)	.351	(8.91)	485	(2157)	323	(1437)
		B22A	1924	(8558)	.195	(4.95)	1924	(8558)	1640	(7295)
		B22X	5645	(25110)	.130	(3.30)	5645	(25110)	5645	(25110)
66	(1676)	**B22**	619	(2753)	.424	(10.77)	401	(1784)	267	(1187)
		B22A	1749	(7780)	.236	(5.99)	1749	(7780)	1355	(6027)
		B22X	5132	(22828)	.158	(4.01)	5132	(22828)	5132	(22828)
72	(1829)	**B22**	567	(2522)	.505	(12.83)	337	(1499)	225	(1001)
		B22A	1603	(7130)	.281	(7.14)	1603	(7130)	1139	(5066)
		B22X	4704	(20924)	.188	(4.77)	4704	(20924)	4704	(20924)
78	(1981)	**B22**	524	(2331)	.593	(15.06)	287	(1276)	191	(849)
		B22A	1480	(6583)	.330	(8.38)	1455	(6472)	970	(4315)
		B22X	4342	(19314)	.220	(5.59)	4342	(19314)	4270	(18994)
84	(2133)	**B22**	486	(2162)	.687	(17.45)	248	(1103)	165	(734)
		B22A	1374	(6112)	.383	(9.73)	1255	(5582)	837	(3723)
		B22X	4032	(17935)	.255	(6.48)	4032	(17935)	3682	(16378)
90	(2286)	**B22**	454	(2019)	.789	(20.04)	216	(961)	144	(640)
		B22A	1283	(5707)	.440	(11.17)	1093	(4862)	729	(3243)
		B22X	3763	(16738)	.293	(7.44)	3763	(16738)	3207	(14265)
96	(2438)	**B22**	425	(1890)	.898	(22.81)	190	(845)	126	(560)
		B22A	1202	(5347)	.500	(12.70)	961	(4275)	640	(2847)
		B22X	3528	(15693)	.334	(8.48)	3528	(15693)	2819	(12539)
102	(2591)	**B22**	400	(1779)	1.013	(25.73)	168	(747)	112	(498)
		B22A	1132	(5035)	.565	(14.35)	851	(3785)	567	(2522)
		B22X	3320	(14768)	.377	(9.57)	3320	(14768)	2497	(11107)
108	(2743)	**B22**	378	(1681)	1.136	(28.85)	150	(667)	100	(445)
		B22A	1069	(4755)	.633	(16.08)	759	(3376)	506	(2251)
		B22X	3136	(13949)	.422	(10.72)	3136	(13949)	2227	(9906)
114	(2895)	**B22**	358	(1592)	1.266	(32.15)	134	(596)	90	(400)
		B22A	1013	(4506)	.706	(17.93)	681	(3029)	454	(2019)
		B22X	2971	(13215)	.471	(11.96)	2971	(13215)	1999	(8892)
120	(3048)	**B22**	340	(1512)	1.403	(35.63)	121	(538)	81	(360)
		B22A	962	(4279)	.782	(19.86)	615	(2735)	410	(1824)
		B22X	2822	(12553)	.521	(13.23)	2706	(12037)	1804	(8024)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

Reference page 14 for general fitting and standard finish specifications.

B22 COLUMN LOADING DATA

B-Line

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Loaded@ C.G. N	Loaded@ Slot Face Lbs.	Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B22	10454	(46502)	4276	(19120)	10598	(47142)	10222	(45470)	9950	(44260)
		B22A	21625	(96193)	7002	(31146)	21677	(96424)	21539	(95810)	21433	(95339)
		B22X	46948	(208835)	18975	(84405)	47061	(209338)	46761	(208003)	46531	(206980)
18	(457)	B22	9950	(44260)	4153	(18473)	10253	(45607)	9481	(42173)	8955	(39834)
		B22A	21433	(95339)	6959	(30955)	21551	(95863)	21239	(94476)	21001	(93417)
		B22X	46531	(206980)	18859	(83899)	46787	(208119)	46110	(205107)	45593	(202808)
24	(609)	B22	9311	(41417)	3993	(17762)	9801	(43597)	8582	(38174)	7801	(34700)
		B22A	21164	(94142)	6898	(30684)	21373	(95072)	20819	(92607)	20397	(90730)
		B22X	45947	(204382)	18693	(84440)	46401	(206402)	45198	(201051)	44282	(196976)
30	(762)	B22	8582	(38174)	3802	(16912)	9268	(41226)	7601	(33811)	6595	(29336)
		B22A	20819	(92607)	6821	(30341)	21145	(94057)	20279	(90205)	19619	(87269)
		B22X	45198	(201051)	18485	(82225)	45906	(204200)	44026	(195837)	42593	(189463)
36	(914)	B22	7801	(34700)	3589	(15964)	8676	(38593)	6595	(28336)	5392	(23985)
		B22A	20397	(90730)	6728	(29927)	20866	(92816)	19619	(87269)	18669	(83044)
		B22X	44282	(196976)	18233	(81104)	45300	(201504)	42593	(189463)	40530	(180286)
42	(1067)	B22	6998	(31128)	3360	(14946)	8048	(35799)	5595	(24888)	4444	(19768)
		B22A	19898	(88511)	6620	(29447)	20537	(91353)	18840	(83804)	17546	(78048)
		B22X	43198	(192154)	17940	(79801)	44586	(198328)	40901	(181937)	38092	(169441)
48	(1219)	B22	6193	(27548)	3118	(13869)	7401	(32921)	4718	(20987)	3791	(16863)
		B22A	19322	(85948)	6496	(28895)	20157	(89663)	17940	(79801)	16251	(72288)
		B22X	41948	(186594)	17604	(78306)	43761	(194568)	38948	(173254)	35281	(156938)
54	(1371)	B22	5392	(23985)	2864	(12740)	6746	(30008)	4090	(18193)	3310	(14723)
		B22A	18669	(83044)	6263	(27859)	19276	(87745)	16920	(75264)	14782	(65753)
		B22X	40530	(180286)	16973	(75499)	42825	(190495)	36733	(163396)	32092	(142752)
60	(1524)	B22	4718	(20987)	2631	(11703)	6093	(27103)	3616	(16085)	2936	(13060)
		B22A	17940	(79801)	5340	(23753)	19244	(85601)	15781	(70197)	13141	(58454)
		B22X	38948	(173249)	14471	(64370)	41779	(185842)	34260	(152396)	28529	(126903)
66	(1676)	B22	4202	(18691)	2434	(10827)	5441	(24203)	3242	(14421)	2634	(11716)
		B22A	17134	(76216)	4587	(20404)	18712	(83235)	14521	(64592)	11328	(50389)
		B22X	37198	(165465)	12431	(55296)	40624	(180704)	31525	(140230)	24593	(109395)
72	(1829)	B22	3791	(16863)	2264	(10071)	4869	(21658)	2936	(13060)	2381	(10591)
		B22A	16251	(72288)	3968	(17650)	18129	(80642)	13141	(58454)	9524	(42365)
		B22X	35281	(156938)	10753	(47832)	39358	(175073)	28529	(126903)	20676	(91971)
78	(1981)	B22	3456	(15373)	2116	(9412)	4412	(19625)	2680	(11921)	2166	(9635)
		B22A	15291	(68018)	3456	(15373)	17496	(77826)	11642	(51786)	8115	(36097)
		B22X	33197	(147667)	9366	(41662)	37984	(168961)	25275	(112429)	17617	(78364)
84	(2133)	B22	3176	(14127)	1984	(8825)	4037	(17957)	2461	(10947)	1980	(8807)
		B22A	14255	(63409)	3028	(13469)	16812	(74783)	10076	(44820)	6998	(31128)
		B22X	30947	(137659)	8206	(36502)	36499	(162355)	21875	(97305)	15192	(67577)
90	(2286)	B22	2936	(13060)	1867	(8305)	3724	(16565)	2270	(10097)	1816	(8078)
		B22A	13141	(58454)	2667	(11863)	16077	(71514)	8778	(39046)	6096	(27116)
		B22X	28529	(126903)	7227	(32147)	34903	(155256)	19057	(84770)	13234	(58868)
96	(2438)	B22	2728	(16583)	1761	(7833)	3456	(15373)	2101	(9346)	1671	(7433)
		B22A	11951	(53160)	2359	(10493)	15291	(68018)	7715	(34318)	5357	(23829)
		B22X	25945	(115409)	6393	(28437)	33197	(147667)	16749	(74503)	11630	(51733)
102	(2591)	B22	2545	(11321)	1664	(7402)	3225	(14345)	1951	(8678)	1542**	(6343)
		B22A	10678	(47498)	2093	(9310)	14455	(64299)	6834	(30399)	4746	(21111)
		B22X	23182	(103118)	5672	(25230)	31382	(139594)	14836	(65994)	10303	(45830)
108	(2743)	B22	2381	(10591)	1575	(7006)	3022	(13442)	1816	(8078)	1426**	(68599)
		B22A	9524	(42365)	1867	(8305)	13568	(60353)	6096	(27116)	4233	(18829)
		B22X	20676	(91971)	5059	(22503)	29456	(131027)	13234	(58868)	9190	(40879)
114	(2895)	B22	2234	(9937)	1494	(6645)	2842	(12642)	1694	(7535)	1322**	(5880)
		B22A	8548	(38023)	1675	(7451)	12630	(56181)	5471	(24336)	3799**	(16899)
		B22X	18558	(82550)	4539	(20190)	27420	(121970)	11877	(52831)	8247	(36684)
120	(3048)	B22	2101	(9346)	1418	(6307)	2680	(11921)	1583**	(7041)	1228**	(5462)
		B22A	7715	(34318)	1512	(6726)	11642	(51786)	4937	(21961)	3429**	(15253)
		B22X	16749	(74503)	4097	(18224)	25275	(112429)	10718	(47676)	7444	(33112)

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

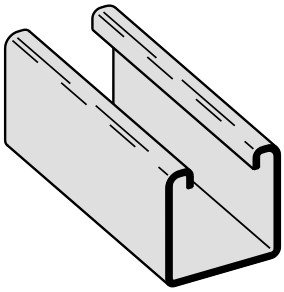
Reference page 14 for general fitting and standard finish specifications.

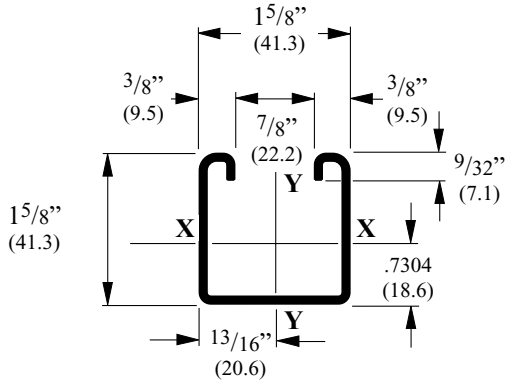
B24 CHANNEL & COMBINATIONS

B-Line

B24

- Thickness: 14 Gauge (1.9 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized, Stainless Steel Type 304 or 316, Aluminum
- Weight: 1.40 Lbs./Ft. (2.08 kg/m)

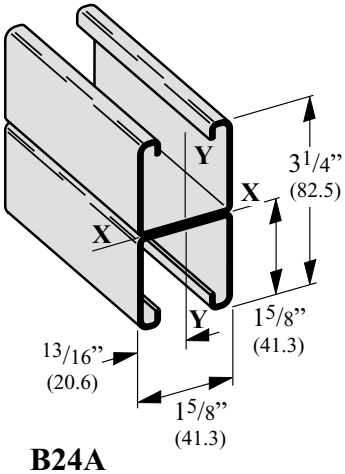




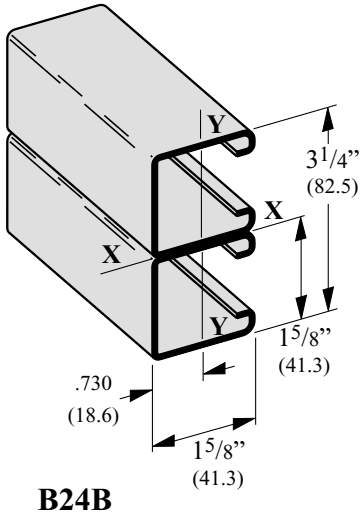
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B24	1.442	(2.15)	.424	(2.74)	.1494	(6.22)	.1670	(2.74)	.594	(1.51)	.1857	(7.73)	.2286	(3.75)	.662	(1.68)
B24A	2.884	(4.29)	.848	(5.47)	.7514	(31.28)	.4624	(7.58)	.941	(2.39)	.3713	(15.45)	.4570	(7.49)	.662	(1.68)

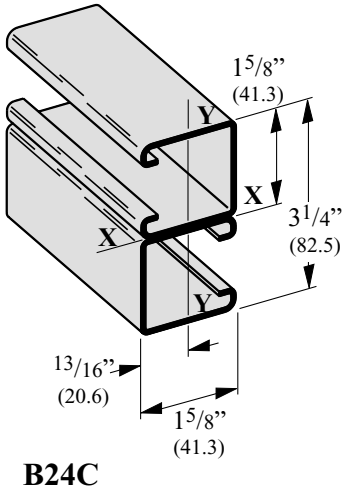
Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B24A
Wt. 2.80 Lbs./Ft. (4.16 kg/m)



B24B
Wt. 2.80 Lbs./Ft. (4.16 kg/m)



B24C
Wt. 2.80 Lbs./Ft. (4.16 kg/m)

Reference page 14 for general fitting and standard finish specifications.

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B24	1750	(7784)	.014	(.35)	1750	(7784)	1750	(7784)
		B24A	1750*	(7784)	.002	(.05)	1750*	(7784)	1750*	(7784)
24	(609)	B24	1379	(6134)	.057	(1.45)	1379	(6134)	1379	(6134)
		B24A	1750*	(7784)	.014	(.35)	1750*	(7784)	1750*	(7784)
36	(914)	B24	919	(4088)	.128	(3.25)	919	(4088)	720	(3203)
		B24A	1750*	(7784)	.048	(1.22)	1750*	(7784)	1750*	(7784)
48	(1219)	B24	689	(3065)	.227	(5.76)	607	(2700)	405	(1801)
		B24A	1750*	(7784)	.115	(2.92)	1750*	(7784)	1750*	(7784)
60	(1524)	B24	551	(2451)	.355	(9.02)	389	(1730)	259	(1152)
		B24A	1518	(6752)	.195	(4.95)	1518	(6752)	1294	(5756)
72	(1829)	B24	460	(2046)	.511	(12.98)	270	(1201)	180	(800)
		B24A	1265	(5627)	.281	(7.14)	1265	(5627)	898	(3994)
84	(2133)	B24	394	(1752)	.695	(17.65)	198	(881)	132	(587)
		B24A	1084	(4822)	.383	(9.73)	990	(4404)	660	(2936)
96	(2438)	B24	345	(1534)	.908	(23.06)	152	(676)	101	(449)
		B24A	949	(4221)	.500	(12.70)	758	(3372)	505	(2246)
108	(2743)	B24	306	(1361)	1.149	(29.18)	120	(534)	80	(356)
		B24A	843	(3750)	.633	(16.08)	599	(2664)	399	(1775)
120	(3048)	B24	276	(1228)	1.419	(36.04)	97	(431)	65	(289)
		B24A	759	(3376)	.782	(19.86)	485	(2157)	323	(1437)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B24	6441	(28651)	3077	(13687)	6509	(28953)	6330	(28157)	6198	(27570)
		B24A	13212	(58770)	4988	(22188)	13237	(58881)	13171	(58587)	13121	(58365)
24	(609)	B24	5874	(26129)	2896	(12882)	6124	(27241)	5483	(24389)	5038	(22410)
		B24A	12993	(57796)	4924	(21903)	13092	(58236)	12828	(57062)	12627	(56167)
36	(914)	B24	5038	(22410)	2619	(11650)	5535	(24621)	4302	(19136)	3516	(15640)
		B24A	12627	(56167)	4819	(21436)	12851	(57164)	12256	(54517)	11804	(52507)
48	(1219)	B24	4043	(17984)	2272	(10106)	4800	(21351)	3008	(13380)	2324	(10337)
		B24A	12115	(53890)	4675	(20795)	12512	(55656)	11456	(50959)	10651	(47378)
60	(1524)	B24	3008	(13380)	1873	(8331)	3978	(17695)	2200	(9786)	1740	(7740)
		B24A	11456	(50959)	4020	(17882)	12078	(53725)	10427	(46381)	9169	(40786)
72	(1829)	B24	2324	(10337)	1562	(6948)	3123	(13892)	1740	(7740)	1397	(6214)
		B24A	10651	(47378)	3048	(13558)	11546	(51359)	9169	(40786)	7358	(32730)
84	(2133)	B24	1898	(8443)	1340	(5960)	2502	(11129)	1444	(6423)	1168	(5195)
		B24A	9700	(43148)	2362	(10506)	10918	(48565)	7683	(34175)	5464	(24305)
96	(2438)	B24	1608	(7153)	1175	(5226)	2089	(9292)	1236	(5498)	1000	(4448)
		B24A	8602	(38263)	1866	(8300)	10194	(45345)	6024	(26796)	4184	(18611)
108	(2743)	B24	1397	(6214)	1046	(4653)	1796	(7989)	1078	(4795)	870**	(3870)
		B24A	7358	(32730)	1498	(6663)	9373	(41693)	4760	(21173)	3306	(14706)
120	(3048)	B24	1236	(5498)	942	(4190)	1578	(7019)	953**	(4239)	764**	(3398)
		B24A	6024	(26796)	1216	(5409)	8455	(37610)	3856	(17152)	2677**	(11908)

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

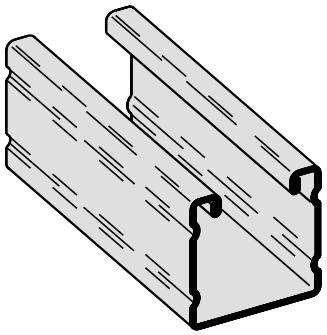
Reference page 14 for general fitting and standard finish specifications.

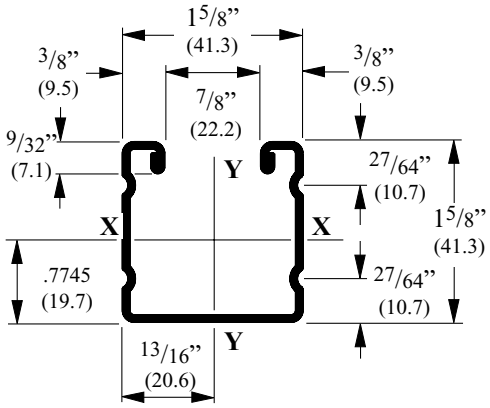
B26 CHANNEL & COMBINATIONS

B-Line

B26

- Thickness: 16 Gauge (1.5 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized
- Weight: 1.12 Lbs./Ft. (1.66 kg/m)

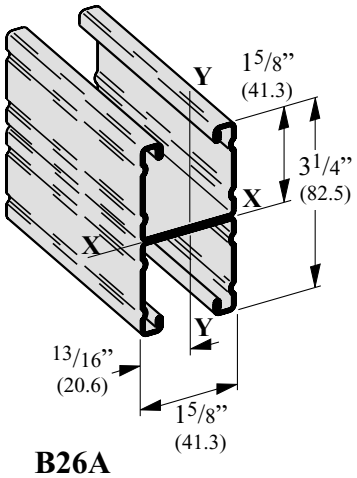




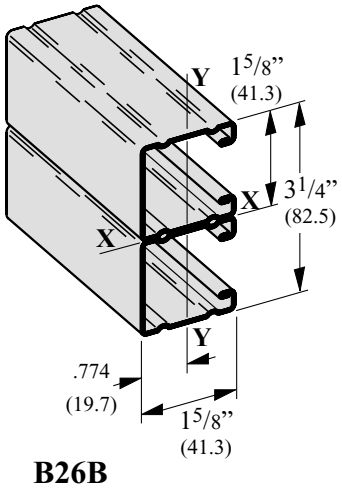
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B26	1.234	(1.84)	.363	(2.34)	.1337	(5.57)	.1581	(2.59)	.607	(1.54)	.1564	(6.51)	.1925	(3.15)	.656	(1.67)
B26A	2.467	(3.67)	.726	(4.68)	.7086	(29.49)	.4361	(7.15)	.988	(2.51)	.3128	(13.02)	.3850	(6.31)	.656	(1.67)

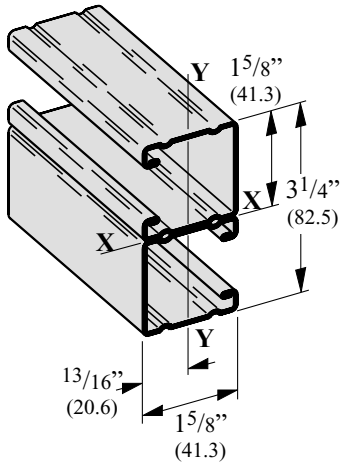
Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B26A
Wt. 2.24 Lbs./Ft. (3.33 kg/m)



B26B
Wt. 2.24 Lbs./Ft. (3.33 kg/m)



B26C
Wt. 2.24 Lbs./Ft. (3.33 kg/m)

Reference page 14 for general fitting and standard finish specifications.

B26 BEAM & COLUMN LOADING DATA

B-Line

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B26	1220	(5427)	.014	(.35)	1220	(5427)	1220	(5427)
		B26A	1220*	(5427)	.001	(.02)	1220*	(5427)	1220*	(5427)
24	(609)	B26	1163	(5173)	.057	(1.45)	1163	(5173)	1163	(5173)
		B26A	1220*	(5427)	.012	(.30)	1220*	(5427)	1220*	(5427)
36	(914)	B26	775	(3447)	.128	(3.25)	775	(3447)	603	(2682)
		B26A	1220*	(5427)	.040	(1.01)	1220*	(5427)	1220*	(5427)
48	(1219)	B26	581	(2584)	.228	(5.79)	509	(2264)	339	(1508)
		B26A	1220*	(5427)	.096	(2.44)	1220*	(5427)	1220*	(5427)
60	(1524)	B26	465	(2068)	.357	(9.07)	326	(1450)	217	(965)
		B26A	1220*	(5427)	.188	(4.77)	1220*	(5427)	1076	(4786)
72	(1829)	B26	388	(1726)	.514	(13.05)	226	(1450)	151	(965)
		B26A	1052	(4679)	.281	(7.14)	1052	(4679)	747	(3323)
84	(2133)	B26	332	(1477)	.699	(17.75)	166	(738)	111	(494)
		B26A	902	(4012)	.383	(9.73)	824	(3665)	549	(2442)
96	(2438)	B26	291	(1294)	.913	(23.19)	127	(565)	85	(378)
		B26A	789	(3509)	.500	(12.70)	631	(2807)	420	(1868)
108	(2743)	B26	258	(1147)	1.156	(29.36)	101	(449)	67	(298)
		B26A	702	(3122)	.633	(16.08)	498	(2215)	332	(1477)
120	(3048)	B26	233	(1036)	1.427	(36.24)	81	(360)	54	(240)
		B26A	631	(2807)	.782	(19.86)	404	(1797)	269	(1196)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B26	4002	(17802)	2216	(9857)	4032	(17935)	3952	(17579)	3891	(17308)
		B26A	8151	(36257)	3630	(16147)	8163	(36311)	8133	(36177)	8109	(36070)
24	(609)	B26	3740	(16636)	2109	(9381)	3857	(17157)	3554	(15809)	3336	(14838)
		B26A	8051	(35812)	3591	(15973)	8096	(36013)	7975	(35474)	7883	(35065)
36	(914)	B26	3336	(14839)	1941	(8634)	3579	(15920)	2962	(13175)	2546	(11325)
		B26A	7883	(35065)	3528	(15693)	7986	(35523)	7713	(34309)	7505	(33384)
48	(1219)	B26	2828	(12579)	1725	(7613)	3217	(14310)	2251	(10013)	1705	(7584)
		B26A	7648	(34020)	3441	(15306)	7831	(34834)	7346	(32676)	6977	(31035)
60	(1524)	B26	2251	(10013)	1469	(6534)	2793	(12424)	1603	(7130)	1233	(5484)
		B26A	7346	(32676)	3066	(13638)	7631	(33944)	6874	(30577)	6298	(28015)
72	(1829)	B26	1705	(7584)	1203	(5351)	2326	(10346)	1233	(5484)	967	(4301)
		B26A	6977	(31035)	2385	(10609)	7388	(32863)	6298	(28015)	5467	(24318)
84	(2133)	B26	1358	(6040)	1011	(4497)	1851	(8233)	1003	(4461)	797	(3545)
		B26A	6541	(29096)	1884	(8380)	7100	(31582)	5616	(24981)	4486	(19955)
96	(2438)	B26	1129	(5022)	871	(3874)	1513	(6730)	847	(3767)	680	(3025)
		B26A	6038	(26858)	1512	(6726)	6767	(30101)	4830	(21485)	3463	(15404)
108	(2743)	B26	967	(4301)	766	(3407)	1277	(5680)	734	(3265)	592**	(2633)
		B26A	5467	(24318)	1231	(5476)	6391	(28428)	3940	(17526)	2736	(12170)
120	(3048)	B26	847	(3767)	684	(3042)	1105	(4915)	648	(2882)	523**	(2326)
		B26A	4830	(21485)	1015	(4515)	5970	(26556)	3192	(14199)	2216**	(9857)

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

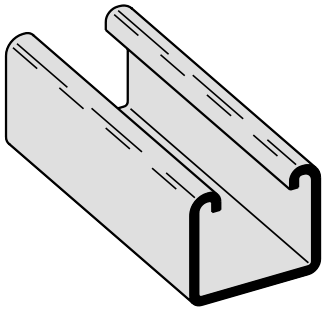
Reference page 14 for general fitting and standard finish specifications.

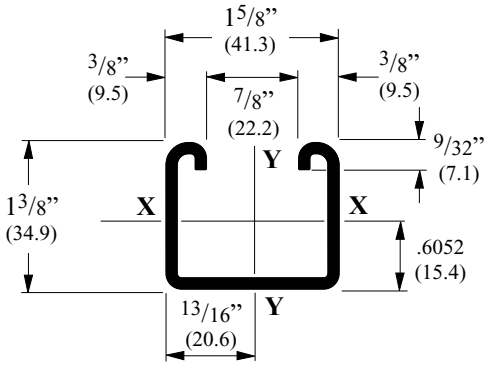
B32 CHANNEL & COMBINATIONS

B-Line

B32

- Thickness: 12 Gauge (2.6 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized, Stainless Steel Type 304
- Weight: 1.70 Lbs./Ft. (2.53 kg/m)

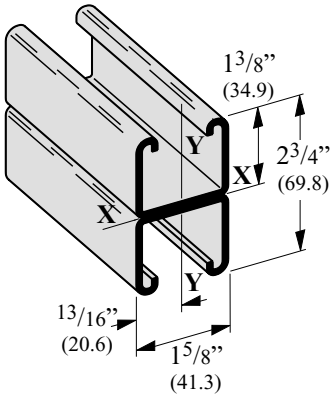




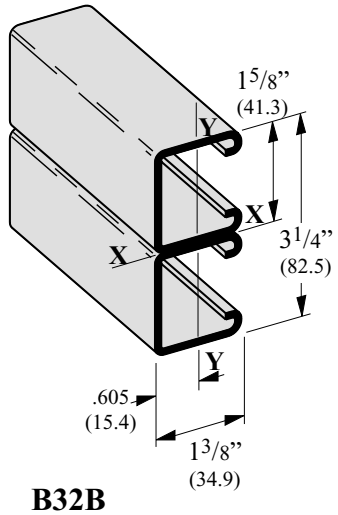
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B32	1.733	(2.58)	.510	(3.29)	.1252	(5.21)	.1626	(2.67)	.496	(1.26)	.2098	(8.73)	.2582	(4.23)	.642	(1.63)
B32A	3.467	(5.16)	1.020	(6.58)	.6238	(25.96)	.4537	(7.43)	.782	(1.99)	.4195	(17.46)	.5163	(8.46)	.642	(1.63)

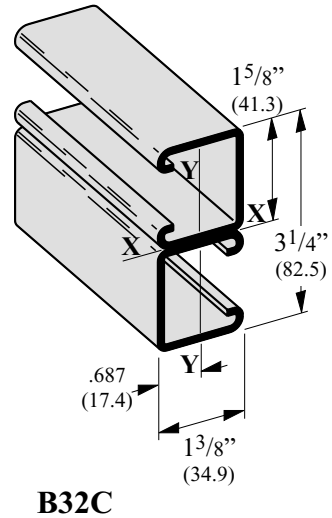
Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B32A
Wt. 3.40 Lbs./Ft. (5.06 kg/m)



B32B
Wt. 3.40 Lbs./Ft. (5.06 kg/m)



B32C
Wt. 3.40 Lbs./Ft. (5.06 kg/m)

Reference page 14 for general fitting and standard finish specifications.

B32 BEAM & COLUMN LOADING DATA

B-Line

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B32	2210	(9830)	.016	(.40)	2210	(9830)	2210	(9830)
		B32A	2210*	(9830)	.003	(.07)	2210*	(9830)	2210*	(9830)
24	(609)	B32	1299	(5778)	.065	(1.65)	1299	(5778)	1299	(5778)
		B32A	2210*	(9830)	.022	(.56)	2210*	(9830)	2210*	(9830)
36	(914)	B32	866	(3852)	.147	(3.73)	866	(3852)	587	(2611)
		B32A	2210*	(9830)	.076	(1.93)	2210*	(9830)	2210*	(9830)
48	(1219)	B32	649	(2887)	.262	(6.65)	495	(2202)	330	(1468)
		B32A	1817	(8082)	.148	(3.76)	1817	(8082)	1638	(7286)
60	(1524)	B32	520	(2313)	.410	(10.41)	317	(1410)	211	(938)
		B32A	1454	(6468)	.231	(5.87)	1454	(6468)	1048	(4662)
72	(1829)	B32	433	(1926)	.590	(14.98)	220	(978)	147	(654)
		B32A	1211	(5387)	.333	(8.46)	1092	(4857)	728	(3238)
84	(2133)	B32	371	(1650)	.803	(20.39)	162	(720)	108	(480)
		B32A	1038	(4617)	.453	(11.50)	802	(3567)	535	(2380)
96	(2438)	B32	325	(1445)	1.049	(26.64)	124	(551)	83	(369)
		B32A	909	(4043)	.591	(15.01)	614	(2731)	410	(1824)
108	(2743)	B32	289	(1285)	1.327	(33.70)	98	(436)	65	(289)
		B32A	808	(3594)	.749	(19.02)	485	(2157)	324	(1441)
120	(3048)	B32	260	(1156)	1.639	(41.63)	79	(351)	53	(236)
		B32A	727	(3234)	.924	(23.47)	393	(1748)	262	(1165)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B32	10278	(45719)	4036	(17953)	10432	(46404)	10035	(44638)	9753	(43383)
		B32A	21320	(94836)	6557	(29167)	21378	(95094)	21224	(94409)	21106	(93884)
24	(609)	B32	9104	(40496)	3732	(16601)	9600	(42702)	8387	(37307)	7640	(33984)
		B32A	20806	(92550)	6431	(28606)	21039	(93586)	20421	(90837)	19950	(88742)
36	(914)	B32	7640	(33984)	3323	(14781)	8479	(37716)	6520	(29002)	5425	(24131)
		B32A	19950	(88742)	6228	(27703)	20474	(91073)	19083	(84885)	18023	(80170)
48	(1219)	B32	6151	(27361)	2877	(12797)	7265	(32316)	4778	(21253)	3870	(17214)
		B32A	18751	(83408)	5954	(26485)	19682	(87550)	17210	(76554)	15326	(68173)
60	(1524)	B32	4778	(21253)	2435	(10831)	6060	(26956)	3693	(16427)	2994	(13318)
		B32A	17210	(76554)	4692	(20871)	18665	(83026)	14801	(65838)	11858	(52747)
72	(1829)	B32	3870	(17214)	2089	(9292)	4923	(21898)	2994	(13318)	2403	(10689)
		B32A	15326	(68173)	3448	(15337)	17421	(77492)	11858	(52747)	8316	(36991)
84	(2133)	B32	3243	(14425)	1817	(8082)	4114	(18300)	2489	(11071)	1807**	(8038)
		B32A	13100	(58272)	2609	(11605)	15951	(70953)	8798	(39135)	6110	(27178)
96	(2438)	B32	2774	(12339)	1594	(7090)	3531	(15706)	1993	(8865)	1384**	(6156)
		B32A	10525	(46817)	2014	(8959)	14256	(63414)	6736	(29963)	4678	(20809)
108	(2743)	B32	2403	(10689)	1407	(6258)	3083	(13714)	1574**	(7001)	1093**	(4862)
		B32A	8316	(36991)	1592	(7081)	12334	(54864)	5322	(23673)	3696**	(16440)
120	(3048)	B32	1993	(8865)	1221	(5431)	2723	(12112)	1275**	(5671)	886**	(3941)
		B32A	6736	(29963)	1289	(5734)	10203	(45385)	4311	(19176)	2994**	(13318)

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

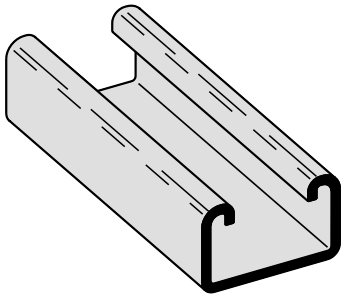
Reference page 14 for general fitting and standard finish specifications.

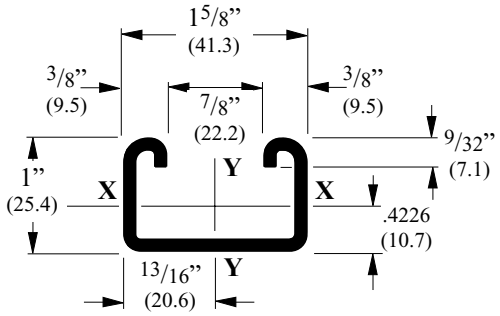
B42 CHANNEL & COMBINATIONS

B-Line

B42

- Thickness: 12 Gauge (2.6 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized, Stainless Steel Type 304
- Weight: 1.44 Lbs./Ft. (2.14 kg/m)

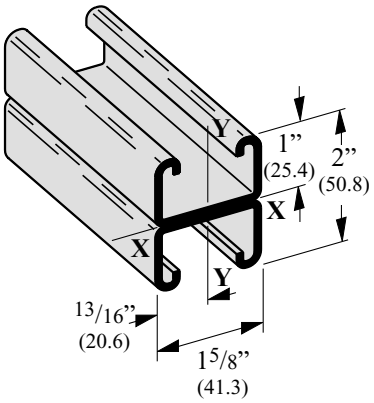




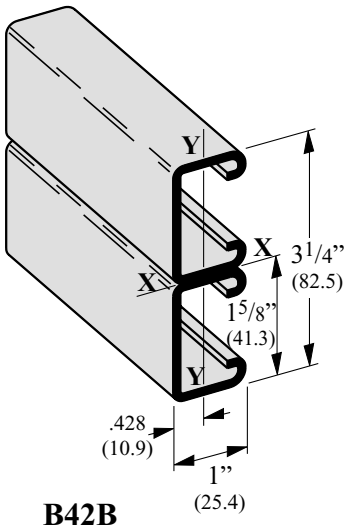
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B42	1.468	(2.18)	.432	(2.79)	.0554	(2.31)	.0968	(1.59)	.358	(.91)	.1645	(6.85)	.2025	(3.32)	.617	(1.57)
B42A	2.936	(4.37)	.864	(5.57)	.2689	(11.19)	.2689	(4.41)	.558	(1.42)	.3292	(13.70)	.4052	(6.64)	.617	(1.57)

Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B42A
Wt. 2.88 Lbs./Ft. (4.28 kg/m)



B42B
Wt. 2.88 Lbs./Ft. (4.28 kg/m)

Reference page 14 for general fitting and standard finish specifications.

B42 BEAM & COLUMN LOADING DATA

B-Line

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B42	1538	(6841)	.022	(.56)	1538	(6841)	1538	(6841)
		B42A	1590*	(7072)	.005	(.13)	1590*	(7072)	1590*	(7072)
24	(609)	B42	769	(3420)	.088	(2.23)	769	(3420)	582	(2589)
		B42A	1590*	(7072)	.038	(.96)	1590*	(7072)	1590*	(7072)
36	(914)	B42	513	(2282)	.198	(5.03)	388	(1726)	259	(1152)
		B42A	1428	(6352)	.114	(2.89)	1428	(6352)	1248	(5551)
48	(1219)	B42	384	(1708)	.352	(8.94)	218	(970)	145	(645)
		B42A	1071	(4764)	.203	(5.15)	1053	(4684)	702	(3122)
60	(1524)	B42	308	(1370)	.550	(13.97)	140	(623)	93	(413)
		B42A	857	(3812)	.318	(8.08)	674	(2998)	449	(1997)
72	(1829)	B42	256	(1139)	.792	(20.11)	97	(431)	65	(289)
		B42A	714	(3176)	.457	(11.61)	468	(2082)	312	(1388)
84	(2133)	B42	220	(978)	1.079	(27.40)	71	(316)	48	(213)
		B42A	612	(2722)	.623	(15.82)	344	(1530)	229	(1018)
96	(2438)	B42	192	(854)	1.409	(35.79)	55	(244)	36	(160)
		B42A	535	(2380)	.813	(20.65)	263	(1170)	176	(783)
108	(2743)	B42	171	(760)	1.783	(45.29)	43	(191)	29	(129)
		B42A	476	(2117)	1.029	(26.13)	208	(925)	139	(618)
120	(3048)	B42	154	(685)	2.202	(55.93)	35	(155)	23	(102)
		B42A	428	(1904)	1.271	(32.28)	168	(747)	112	(498)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B42	9138	(40648)	3493	(15537)	9283	(41293)	8916	(39660)	8670	(38566)
		B42A	21094	(93831)	5834	(25951)	21304	(94765)	20793	(92492)	20469	(91050)
24	(609)	B42	8137	(36195)	3145	(13989)	8540	(37988)	7589	(33757)	7050	(31360)
		B42A	19757	(87883)	5585	(24843)	20299	(90294)	18964	(84356)	18094	(80486)
36	(914)	B42	7050	(31360)	2722	(12108)	7657	(34060)	5925	(26356)	4335	(19283)
		B42A	18094	(80486)	5237	(23295)	19067	(84814)	16654	(74080)	15057	(66977)
48	(1219)	B42	5405	(24042)	2227	(9906)	6786	(30185)	3512	(15622)	2439	(10849)
		B42A	16139	(71790)	4818	(21431)	17632	(78431)	13906	(61857)	11387	(50652)
60	(1524)	B42	3512	(15622)	1718	(7642)	5272	(23451)	2247	(9995)	1561**	(6943)
		B42A	13906	(61857)	4352	(19358)	16008	(71207)	10710	(47640)	7531	(33499)
72	(1829)	B42	2439	(10849)	1351	(6009)	3694	(16432)	1561**	(6943)	1084**	(4822)
		B42A	11387	(50652)	3856	(17152)	14200	(64165)	7531	(33499)	5230	(23264)
84	(2133)	B42	1792	(7971)	1087	(4835)	2714	(12072)	1147**	(5102)	796**	(3541)
		B42A	8645	(38455)	3332	(14821)	12206	(54295)	5533	(24612)	3842	(17090)
96	(2438)	B42	1372**	(6103)	891	(3963)	2078	(9243)	878**	(3905)	–	–
		B42A	6619	(29443)	2873	(12780)	10012	(44535)	4236	(18842)	2942**	(13086)
108	(2743)	B42	1084**	(4822)	743	(3305)	1642	(7304)	–	–	–	–
		B42A	5230	(23264)	2495	(11098)	7922	(35239)	3347	(14888)	2324**	(10337)
120	(3048)	B42	878**	(3905)	628	(2793)	1330**	(5916)	–	–	–	–
		B42A	4236	(18842)	2182	(9706)	6417	(28544)	2711**	(12059)	1883**	(8376)

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

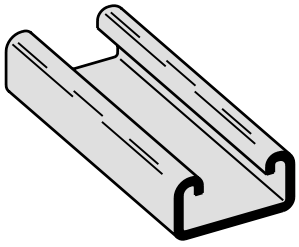
Reference page 14 for general fitting and standard finish specifications.

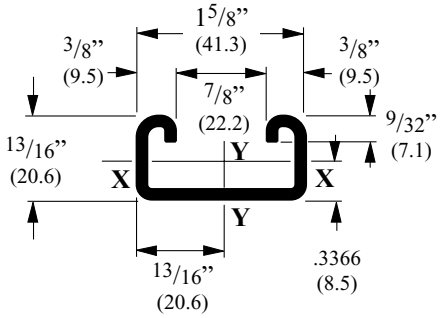
B52 CHANNEL & COMBINATIONS

B-Line

B52

- Thickness: 12 Gauge (2.6 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized
- Weight: 1.27 Lbs./Ft. (1.89 kg/m)

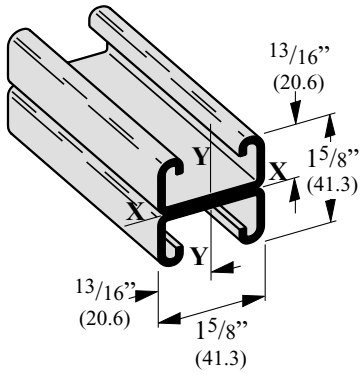




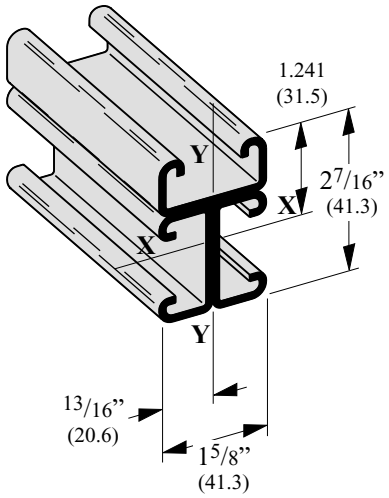
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B52	1.313	(1.95)	.386	(2.49)	.0320	(1.33)	.0673	(1.10)	.288	(.73)	.1404	(5.84)	.1728	(2.83)	.603	(1.53)
B52A	2.627	(3.91)	.773	(4.99)	.1517	(6.31)	.1868	(3.06)	.443	(1.13)	.2809	(11.69)	.3457	(5.67)	.603	(1.53)

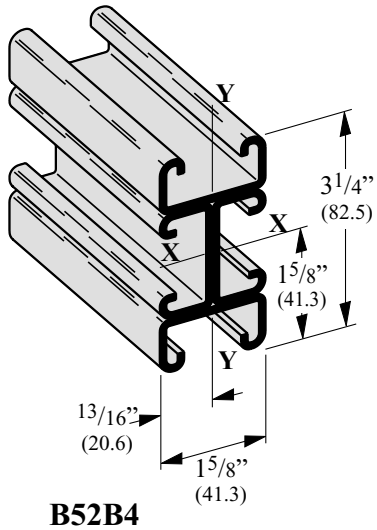
Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B52A
Wt. 2.54 Lbs./Ft. (3.78 kg/m)



B52B3
Wt. 3.81 Lbs./Ft. (5.67 kg/m)



B52B4
Wt. 5.08 Lbs./Ft. (7.56 kg/m)

Reference page 14 for general fitting and standard finish specifications.

B52 BEAM & COLUMN LOADING DATA

B-Line

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B52	1079	(4799)	.026	(.66)	1079	(4799)	1079	(4799)
		B52A	1270*	(5649)	.006	(.15)	1270*	(5649)	1270*	(5649)
24	(609)	B52	539	(2397)	.106	(2.69)	506	(2251)	337	(1499)
		B52A	1270*	(5649)	.052	(1.32)	1270*	(5649)	1270*	(5649)
36	(914)	B52	360	(1601)	.240	(6.09)	225	(1001)	150	(667)
		B52A	1013	(4506)	.141	(3.58)	1013	(4506)	719	(3198)
48	(1219)	B52	270	(1201)	.427	(10.84)	126	(560)	84	(373)
		B52A	759	(3376)	.250	(6.35)	607	(2700)	404	(1797)
60	(1524)	B52	216	(961)	.667	(16.94)	81	(360)	54	(240)
		B52A	608	(2704)	.391	(9.93)	388	(1726)	259	(1152)
72	(1829)	B52	180	(800)	.960	(24.38)	56	(249)	37	(164)
		B52A	506	(2251)	.563	(14.30)	270	(1201)	180	(800)
84	(2133)	B52	154	(685)	1.307	(33.20)	41	(182)	28	(124)
		B52A	434	(1930)	.766	(19.45)	198	(881)	132	(587)
96	(2438)	B52	135	(600)	1.707	(43.36)	32	(142)	21	(93)
		B52A	380	(1690)	1.001	(25.42)	152	(676)	101	(449)
108	(2743)	B52	120	(534)	2.160	(54.86)	25	(111)	17	(75)
		B52A	338	(1503)	1.267	(32.18)	120	(534)	80	(356)
120	(3048)	B52	108	(480)	2.667	(67.74)	20	(89)	13	(58)
		B52A	304	(1352)	1.564	(39.72)	97	(431)	65	(289)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B52	8407	(37396)	3162	(14065)	8543	(38001)	8205	(36497)	7989	(35537)
		B52A	19160	(85228)	5290	(23531)	19425	(86407)	18777	(83524)	18363	(81682)
24	(609)	B52	7519	(33446)	2755	(12255)	7879	(35047)	6521	(29007)	5397	(24007)
		B52A	17444	(77595)	4955	(22041)	18144	(80708)	16412	(73004)	15275	(67946)
36	(914)	B52	5397	(24007)	2152	(9572)	6653	(29594)	3616	(16085)	2511	(11169)
		B52A	15275	(67946)	4496	(19999)	16547	(73605)	13376	(59499)	11243	(50011)
48	(1219)	B52	3178	(14136)	1560	(6939)	4785	(21285)	2034	(9047)	1412**	(6281)
		B52A	12692	(56457)	3963	(17628)	14667	(65242)	9683	(43072)	6780	(30159)
60	(1524)	B52	2034	(9047)	1159	(5155)	3081	(13705)	1302**	(5791)	904**	(4021)
		B52A	9683	(43072)	3383	(15048)	12516	(55674)	6248	(27792)	4339	(19301)
72	(1829)	B52	1412**	(6281)	891	(3963)	2139	(9515)	904**	(4021)	–	–
		B52A	6780	(30159)	2799	(12450)	10084	(44856)	4339	(19301)	3013	(13402)
84	(2133)	B52	1038**	(4617)	704	(3131)	1572	(6992)	664**	(2953)	–	–
		B52A	4981	(22156)	2337	(10395)	7545	(33562)	3188	(14181)	2214**	(9848)
96	(2438)	B52	794**	(3532)	570	(2535)	1203**	(5351)	–	–	–	–
		B52A	3814	(16965)	1973	(8776)	5777	(25697)	2441**	(10858)	1695**	(7540)
108	(2743)	B52	-	-	470	(2090)	951**	(4230)	–	–	–	–
		B52A	3013	(13402)	1684	(7491)	4564	(20301)	1928**	(8576)	1339**	(5956)
120	(3048)	B52	-	-	394	(1752)	770**	(3425)	–	–	–	–
		B52A	2441**	(10858)	1452	(6459)	3697	(16445)	1562**	(6948)	–	–

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

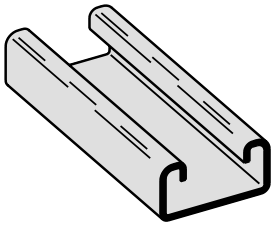
Reference page 14 for general fitting and standard finish specifications.

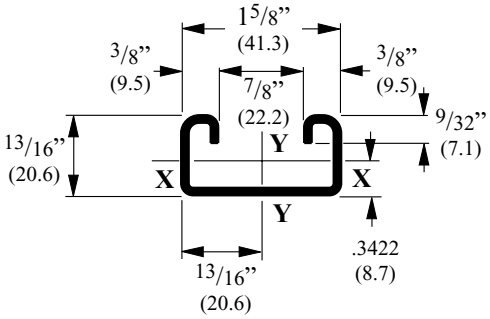
B54 CHANNEL & COMBINATIONS

B-Line

B54

- Thickness: 14 Gauge (1.9 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized, Stainless Steel Type 304 or 316, Aluminum
- Weight: .97 Lbs./Ft. (1.44 kg/m)

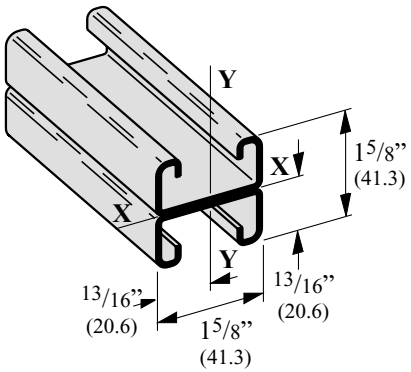




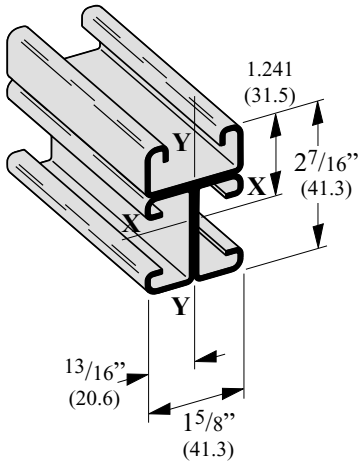
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B54	1.016	(1.51)	.299	(1.93)	.0263	(1.09)	.0560	(.92)	.297	(.75)	.1106	(4.60)	.1361	(2.23)	.608	(1.55)
B54A	2.032	(3.02)	.598	(3.86)	.1226	(5.10)	.1510	(2.47)	.453	(1.15)	.2212	(9.12)	.2722	(4.46)	.608	(1.55)

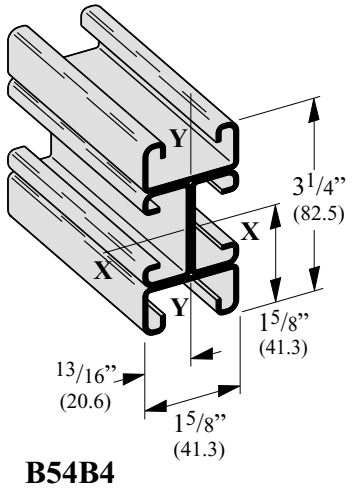
Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B54A
Wt. 1.94 Lbs./Ft. (2.89 kg/m)



B54B3
Wt. 2.91 Lbs./Ft. (4.33 kg/m)



B54B4
Wt. 3.88 Lbs./Ft. (5.77 kg/m)

Reference page 14 for general fitting and standard finish specifications.

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B54	870	(3870)	.027	(.68)	870	(3870)	870	(3870)
		B54A	870*	(3870)	.005	(.13)	870*	(3870)	870*	(3870)
24	(609)	B54	465	(2068)	.108	(2.74)	430	(1913)	287	(1276)
		B54A	870*	(3870)	.043	(1.09)	870*	(3870)	870*	(3870)
36	(914)	B54	310	(1379)	.243	(6.17)	191	(849)	127	(565)
		B54A	832	(3701)	.141	(3.58)	832	(3701)	591	(2629)
48	(1219)	B54	233	(1036)	.432	(10.97)	108	(480)	72	(320)
		B54A	624	(2775)	.250	(6.35)	499	(2219)	332	(1477)
60	(1524)	B54	186	(827)	.676	(17.17)	69	(307)	46	(204)
		B54A	499	(2219)	.391	(9.93)	319	(1419)	213	(947)
72	(1829)	B54	155	(689)	.973	(24.71)	48	(213)	32	(142)
		B54A	416	(1850)	.563	(14.30)	222	(987)	148	(658)
84	(2133)	B54	133	(591)	1.324	(33.63)	35	(155)	23	(102)
		B54A	357	(1588)	.766	(19.45)	163	(725)	109	(485)
96	(2438)	B54	116	(516)	1.730	(43.94)	27	(120)	18	(80)
		B54A	312	(1388)	1.001	(25.42)	125	(556)	83	(369)
108	(2743)	B54	103	(458)	2.189	(55.60)	21	(93)	14	(62)
		B54A	277	(1232)	1.267	(32.18)	98	(436)	66	(293)
120	(3048)	B54	93	(413)	2.703	(68.65)	17	(75)	11	(49)
		B54A	250	(1112)	1.564	(39.72)	80	(356)	53	(236)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B54	6186	(27516)	2586	(11503)	6284	(27952)	6032	(26831)	5857	(26053)
		B54A	12763	(56772)	4060	(18060)	12835	(57093)	12645	(56248)	12501	(55607)
24	(609)	B54	5464	(24305)	2254	(10026)	5763	(25635)	4968	(22099)	4300	(19127)
		B54A	12135	(53979)	3857	(17157)	12420	(55247)	11663	(51879)	11087	(49317)
36	(914)	B54	4300	(19127)	1816	(8078)	5043	(22432)	3076	(13683)	2136	(9501)
		B54A	11087	(49317)	3549	(15787)	11728	(52169)	10026	(44598)	8729	(38828)
48	(1219)	B54	2703	(12023)	1341	(5965)	3920	(17437)	1730	(7695)	1201	(5342)
		B54A	9620	(42792)	3169	(14096)	10759	(47858)	7734	(34402)	5571	(24781)
60	(1524)	B54	1730	(7695)	995	(4426)	2621	(11659)	1107**	(4924)	769**	(3420)
		B54A	7734	(34402)	2745	(12210)	9514	(42320)	5134	(22837)	3566	(15862)
72	(1829)	B54	1201	(5342)	763	(3394)	1820	(8096)	769**	(3420)	534**	(2375)
		B54A	5571	(24781)	2291	(10191)	7992	(35550)	3566	(15862)	2476	(11014)
84	(2133)	B54	883**	(3928)	603	(2682)	1337	(5947)	565**	(2513)	–	–
		B54A	4093	(18206)	1913	(8509)	6200	(27579)	2620	(11654)	1819**	(8091)
96	(2438)	B54	676**	(3007)	487	(2166)	1024**	(4555)	–	–	–	–
		B54A	3134	(13941)	1616	(7188)	4747	(21116)	2006**	(8923)	1393**	(6196)
108	(2743)	B54	534**	(2375)	401	(1784)	809**	(3598)	–	–	–	–
		B54A	2476	(11014)	1380	(6138)	3751	(16685)	1585**	(7050)	1100**	(4893)
120	(3048)	B54	–	–	336	(1494)	655**	(2913)	–	–	–	–
		B54A	2006**	(8923)	1190	(5293)	3038	(13513)	1284**	(5711)	–	–

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

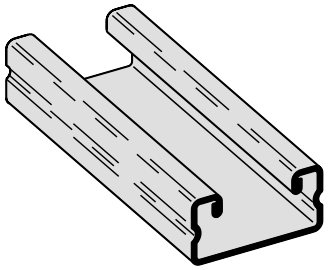
Reference page 14 for general fitting and standard finish specifications.

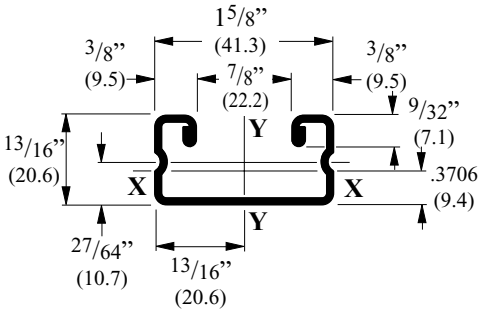
B56 CHANNEL & COMBINATIONS

B-Line

B56

- Thickness: 16 Gauge (1.5 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized, Hot-Dipped Galvanized
- Weight: .85 Lbs./Ft. (1.26 kg/m)

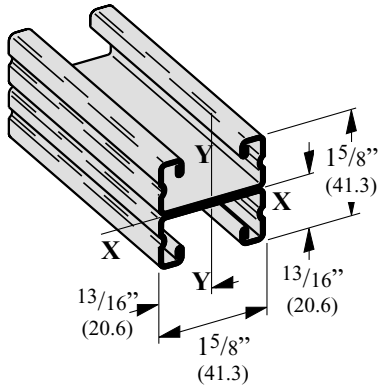




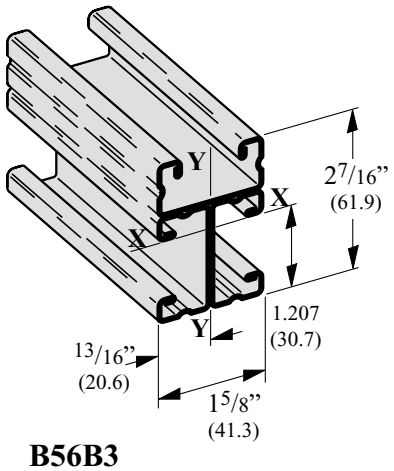
SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B56	.894	(1.33)	.263	(1.70)	.0241	(1.00)	.0546	(.89)	.303	(.77)	.0966	(4.02)	.1189	(1.95)	.606	(1.54)
B56A	1.789	(2.66)	.526	(3.39)	.1205	(5.02)	.1484	(2.43)	.479	(1.22)	.1931	(8.04)	.2377	(3.89)	.606	(1.54)

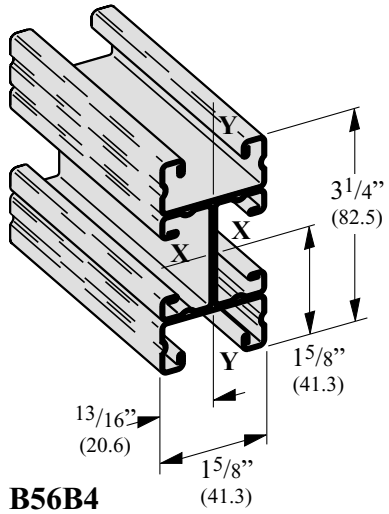
Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.



B56A
Wt. 1.70 Lbs./Ft. (2.53 kg/m)



B56B3
Wt. 2.55 Lbs./Ft. (3.79 kg/m)



B56B4
Wt. 3.40 Lbs./Ft. (5.06 kg/m)

Reference page 14 for general fitting and standard finish specifications.

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	B56	610	(2713)	.027	(.68)	610	(2713)	610	(2713)
		B56A	610*	(2713)	.004	(.10)	610*	(2713)	610*	(2713)
24	(609)	B56	405	(1801)	.109	(2.77)	372	(1655)	248	(1103)
		B56A	610*	(2713)	.035	(.89)	610*	(2713)	610*	(2713)
36	(914)	B56	270	(1201)	.245	(6.22)	165	(734)	110	(489)
		B56A	610*	(2713)	.121	(3.07)	610*	(2713)	502	(2233)
48	(1219)	B56	202	(898)	.435	(11.05)	93	(413)	62	(276)
		B56A	530	(2357)	.250	(6.35)	423	(1881)	282	(1699)
60	(1524)	B56	162	(720)	.680	(17.27)	59	(262)	40	(178)
		B56A	424	(1886)	.391	(9.93)	271	(1205)	181	(805)
72	(1829)	B56	135	(600)	.980	(24.89)	41	(182)	28	(124)
		B56A	353	(1570)	.563	(14.30)	188	(836)	125	(556)
84	(2133)	B56	116	(516)	1.334	(33.88)	30	(133)	20	(89)
		B56A	303	(1348)	.766	(19.45)	138	(614)	92	(409)
96	(2438)	B56	101	(449)	1.742	(44.24)	23	(102)	15	(67)
		B56A	265	(1179)	1.001	(25.42)	106	(471)	71	(316)
108	(2743)	B56	90	(400)	2.205	(56.01)	18	(80)	12	(53)
		B56A	236	(1050)	1.267	(32.18)	84	(373)	56	(249)
120	(3048)	B56	81	(360)	2.722	(69.14)	15	(67)	10	(44)
		B56A	212	(943)	1.564	(39.72)	68	(302)	45	(200)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	B56	4968	(22099)	2182	(9706)	5044	(22437)	4845	(21551)	4702	(20915)
		B56A	10237	(45536)	3365	(14968)	10291	(45776)	10148	(45140)	10039	(44655)
24	(609)	B56	4367	(19425)	1903	(8465)	4624	(20568)	3985	(17726)	3572	(15889)
		B56A	9762	(43423)	3202	(14243)	9977	(44380)	9405	(41835)	8969	(39896)
36	(914)	B56	3572	(15889)	1557	(6926)	4034	(17944)	2658	(11823)	1845	(8207)
		B56A	8969	(39896)	2955	(13144)	9454	(42053)	8167	(36328)	7186	(31965)
48	(1219)	B56	2335	(10386)	1164	(5178)	3290	(14634)	1495	(6650)	1038	(4617)
		B56A	7860	(34963)	2649	(11783)	8722	(38797)	6434	(28620)	4731	(21044)
60	(1524)	B56	1495	(6650)	862	(3834)	2264	(10071)	957	(4257)	664**	(2953)
		B56A	6434	(28620)	2307	(10262)	7780	(34607)	4360	(19394)	3028	(13469)
72	(1829)	B56	1038	(4617)	661	(2940)	1572	(6992)	664**	(2953)	461**	(2050)
		B56A	4731	(21044)	1937	(8616)	6629	(29487)	3028	(13469)	2103	(9354)
84	(2133)	B56	763**	(3394)	522	(2322)	1155	(5137)	488**	(2171)	–	–
		B56A	3476	(15462)	1619	(7201)	5269	(23437)	2224	(9893)	1545**	(6872)
96	(2438)	B56	584**	(2598)	422	(1877)	884**	(3932)	–	–	–	–
		B56A	2661	(11837)	1368	(6085)	4031	(17931)	1703**	(7575)	1183**	(5262)
108	(2743)	B56	461**	(2050)	348	(1548)	699**	(3109)	–	–	–	–
		B56A	2103	(9354)	1169	(5200)	3185	(14167)	1346**	(5987)	934**	(4154)
120	(3048)	B56	–	–	291	(1294)	566**	(2417)	–	–	–	–
		B56A	1703**	(7575)	1008	(4484)	2580	(11476)	1090**	(4848)	–	–

**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

Reference page 14 for general fitting and standard finish specifications.

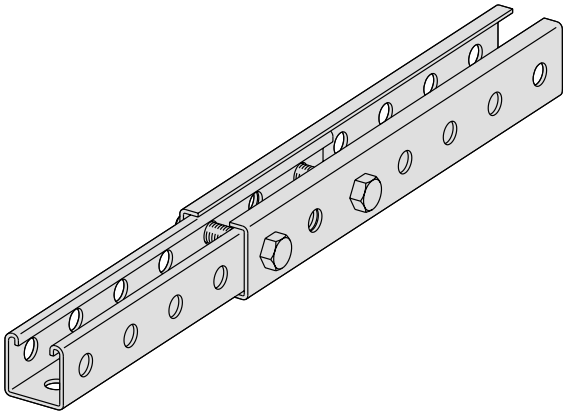
TELESCOPING CHANNEL

B-Line

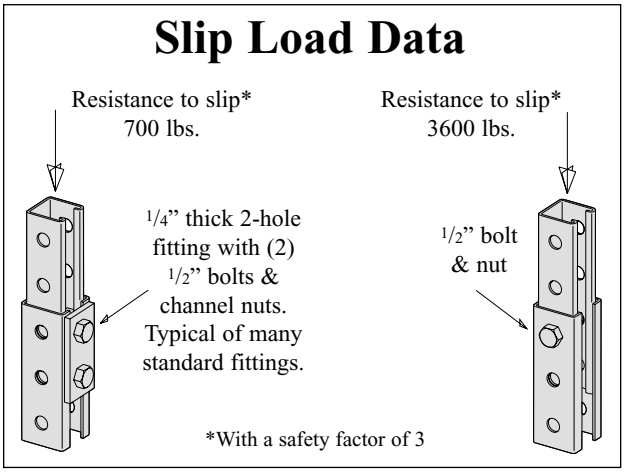
BTS22TH

- Can be secured at any point of system
- Order BTS22TH & B22TH separately
- Thickness: 12 Gauge (1.5 mm)
- Standard lengths: 10' (3.05 m)
- Standard finishes: Dura-Green, Yellow Zinc Dichromate, Hot-Dipped Galvanized

NEW



Slip Load Data

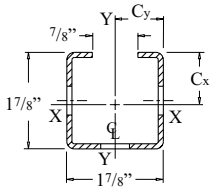


BTS22TH
TELESCOPING STRUT

Fits over all $1^5/_8$" x $1^5/_8$" channels $^9/_{16}$" holes on $1^7/_8$" centers 12 gauge material thickness

Section Properties			X-X Axis				Y-Y Axis			
Channel	Weight lbs./ft.	Area In^2	C_x In	I_x In^4	S_x In^3	r_x In	C_y In	I_y In^4	S_y In^3	r_y In
BTS22TH	1.934	0.4578	1.0009	0.2525	0.2523	0.7426	0.9375	0.2757	0.2941	0.7761

Section properties are based on nominal metal thickness, and overall dimensions.

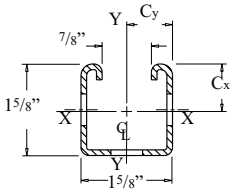


B22TH
THREE HOLE STRUT

$^9/_{16}$" holes on $1^7/_8$" centers 12 gauge material thickness

Section Properties			X-X Axis				Y-Y Axis			
Channel	Weight lbs./ft.	Area In^2	C_x In	I_x In^4	S_x In^3	r_x In	C_y In	I_y In^4	S_y In^3	r_y In
B22TH	1.663	0.3863	0.8245	0.1596	0.1936	0.6400	0.8125	0.1719	0.2116	0.6642

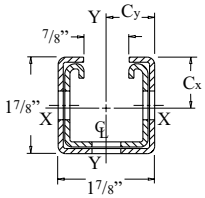
Section properties are based on nominal metal thickness, and overall dimensions.



COMBINATION OF BTS22TH & B22TH

Section Properties			X-X Axis				Y-Y Axis			
Channel Combination	Weight lbs./ft.	Area In^2	C_x In	I_x In^4	S_x In^3	r_x In	C_y In	I_y In^4	S_y In^3	r_y In
BTS22TH/B22TH	3.597	0.8474	0.9773	0.4126	0.4222	0.6978	0.9375	0.4476	0.4774	0.7268

Section properties are based on nominal metal thickness, and overall dimensions.

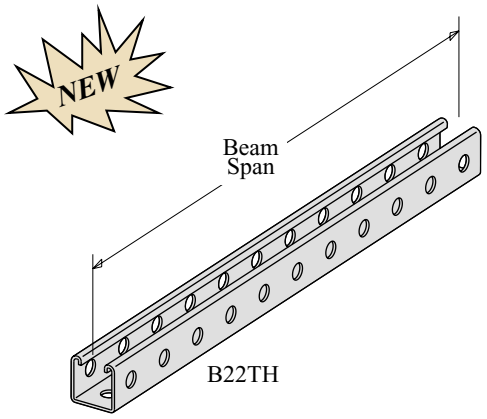


Reference page 14 for general fitting and standard finish specifications.

BEAM LOADING DATA

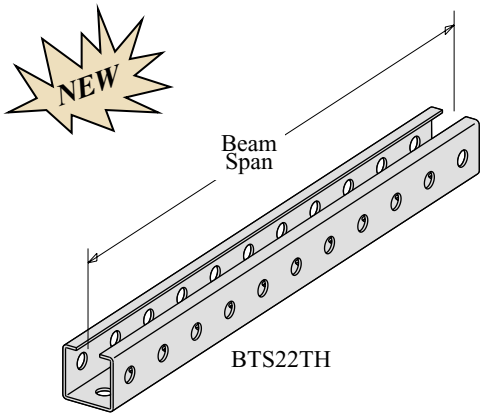
B22TH

Beam Span in	Beam Load Data x-x Axis		
	Allowable Load lbs*	Resulting Deflection in	Allowable Load @ Deflection= 1/240 Span
12	2225	0.015	3225
24	1610	0.061	1610
36	1071	0.136	1071
48	800	0.243	658
60	637	0.379	417
72	528	0.546	286
84	449	0.743	206
96	390	0.970	153
108	344	1.228	116
120	306	1.516	90



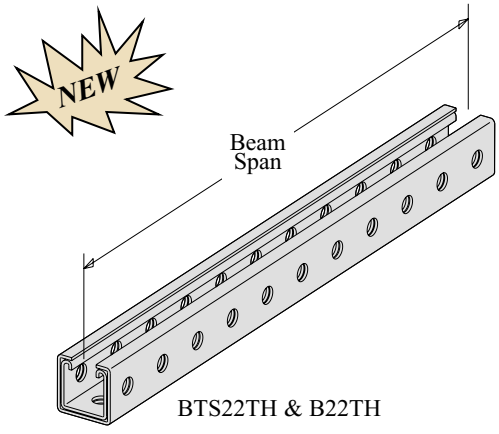
BTS22TH

Beam Span in	Beam Load Data x-x Axis		
	Allowable Load lbs*	Resulting Deflection in	Allowable Load @ Deflection= 1/240 Span
12	4203	0.012	4203
24	2099	0.050	2099
36	1396	0.112	1396
48	1044	0.200	1044
60	831	0.312	664
72	689	0.450	456
84	587	0.612	330
96	510	0.799	248
108	450	1.012	190
120	401	1.249	149



BTS22TH & B22TH
TELESCOPING MEMBERS OF EQUAL LENGTH

Beam Span in	Beam Load Data x-x Axis		
	Allowable Load lbs*	Resulting Deflection in	Allowable Load @ Deflection= 1/240 Span
12	7033	0.013	7033
24	3511	0.051	3511
36	2335	0.115	2335
48	1745	0.205	1705
60	1389	0.320	1082
72	1151	0.460	742
84	980	0.627	536
96	851	0.819	401
108	749	1.036	307
120	668	1.279	239



*Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) with adequate lateral bracing (see page 11 for further explanation). To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8.

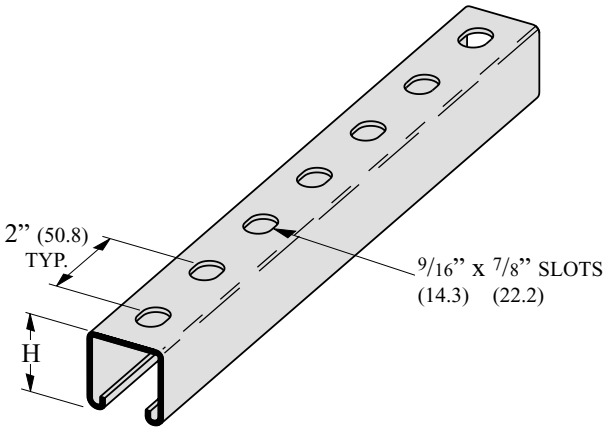
Reference page 14 for general fitting and standard finish specifications.

CHANNEL HOLE PATTERNS

B-Line

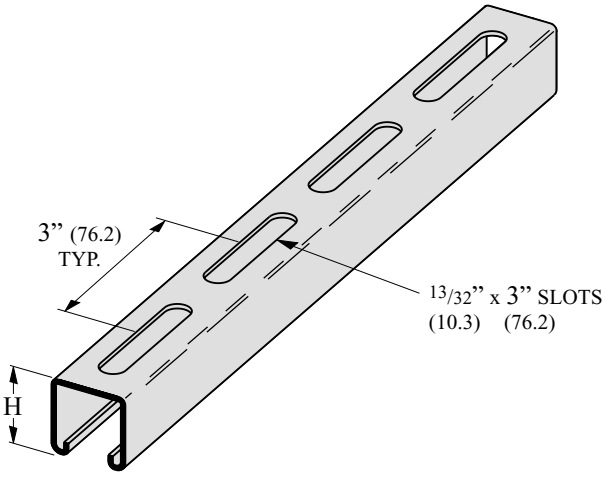
B11SH THRU B56SH
SH TYPE CHANNEL
•For beam loads use 90% of Channel Loading Chart

Part No.	Thickness		Height H In.	Height H mm	Weight Lbs./Ft.	Weight kg/m
B11SH	12 Ga.	(2.6)	3 1/4"	(82.5)	2.97	(4.42)
B12SH	12 Ga.	(2.6)	2 7/16"	(61.9)	2.39	(3.55)
B22SH	12 Ga.	(2.6)	1 5/8"	(41.3)	1.82	(2.71)
B24SH	14 Ga.	(1.9)	1 5/8"	(41.3)	1.34	(1.99)
B26SH	16 Ga.	(1.5)	1 5/8"	(41.3)	1.07	(1.59)
B32SH	12 Ga.	(2.6)	1 3/8"	(34.9)	1.62	(2.41)
B42SH	12 Ga.	(2.6)	1"	(25.4)	1.36	(2.02)
B52SH	12 Ga.	(2.6)	13/16"	(20.6)	1.19	(1.77)
B54SH	14 Ga.	(1.9)	13/16"	(20.6)	.91	(1.35)
B56SH	16 Ga.	(1.5)	13/16"	(20.6)	.80	(1.19)



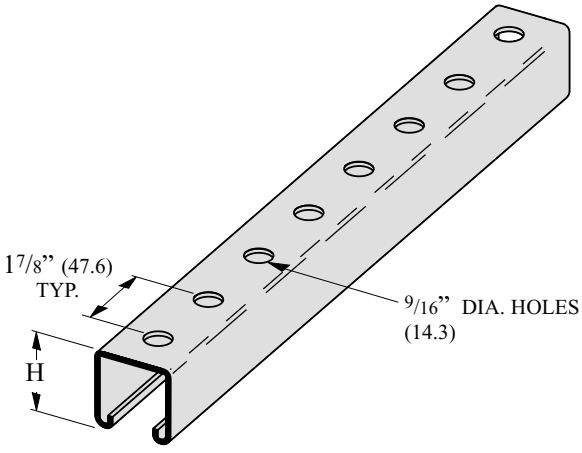
B11S THRU B56S
S TYPE CHANNEL
•For beam loads use 90% of Channel Loading Chart

Part No.	Thickness		Height H In.	Height H mm	Weight Lbs./Ft.	Weight kg/m
B11S	12 Ga.	(2.6)	3 1/4"	(82.5)	2.94	(4.37)
B12S	12 Ga.	(2.6)	2 7/16"	(61.9)	2.36	(3.51)
B22S	12 Ga.	(2.6)	1 5/8"	(41.3)	1.79	(2.66)
B24S	14 Ga.	(1.9)	1 5/8"	(41.3)	1.32	(1.96)
B26S	16 Ga.	(1.5)	1 5/8"	(41.3)	1.06	(1.58)
B32S	12 Ga.	(2.6)	1 3/8"	(34.9)	1.59	(2.36)
B42S	12 Ga.	(2.6)	1"	(25.4)	1.33	(1.98)
B52S	12 Ga.	(2.6)	13/16"	(20.6)	1.16	(1.72)
B54S	14 Ga.	(1.9)	13/16"	(20.6)	.89	(1.32)
B56S	16 Ga.	(1.5)	13/16"	(20.6)	.79	(1.17)



B11H17/8 THRU B56H17/8
H17/8 TYPE CHANNEL
•For beam loads use 90% of Channel Loading Chart

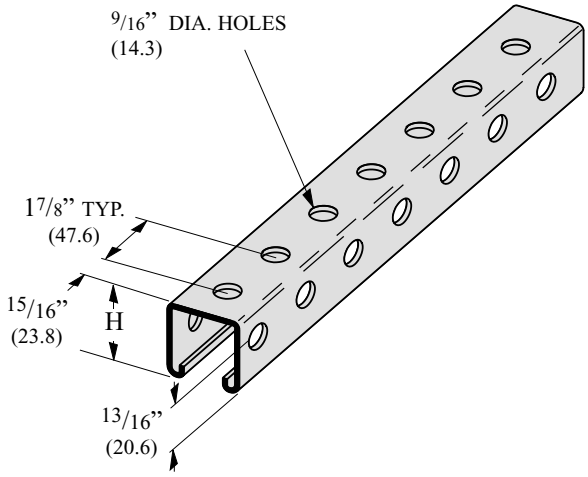
Part No.	Thickness		Height H In.	Height H mm	Weight Lbs./Ft.	Weight kg/m
B11H17/8	12 Ga.	(2.6)	3 1/4"	(82.5)	3.00	(4.46)
B12H17/8	12 Ga.	(2.6)	2 7/16"	(61.9)	2.42	(3.60)
B22H17/8	12 Ga.	(2.6)	1 5/8"	(41.3)	1.85	(2.75)
B24H17/8	14 Ga.	(1.9)	1 5/8"	(41.3)	1.36	(2.02)
B26H17/8	16 Ga.	(1.5)	1 5/8"	(41.3)	1.09	(1.62)
B32H17/8	12 Ga.	(2.6)	1 3/8"	(34.9)	1.65	(2.45)
B42H17/8	12 Ga.	(2.6)	1"	(25.4)	1.39	(2.07)
B52H17/8	12 Ga.	(2.6)	13/16"	(20.6)	1.22	(1.81)
B54H17/8	14 Ga.	(1.9)	13/16"	(20.6)	.93	(1.38)
B56H17/8	16 Ga.	(1.5)	13/16"	(20.6)	.82	(1.22)



Reference page 14 for general fitting and standard finish specifications.

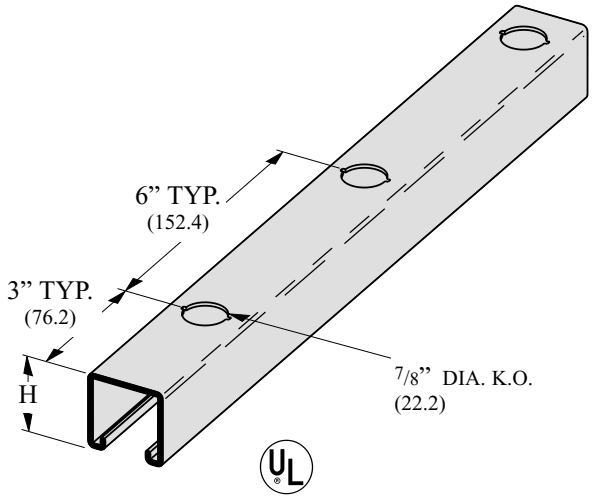
B22TH
(TH TYPE CHANNEL)
•For beam loads use 90% of Channel Loading Chart

Part No.	Thickness		Height H In.	Height H mm	Weight Lbs./Ft.	Weight kg/m
B22TH	12 Ga.	(2.6)	1 5/8"	(41.3)	1.76	(2.62)



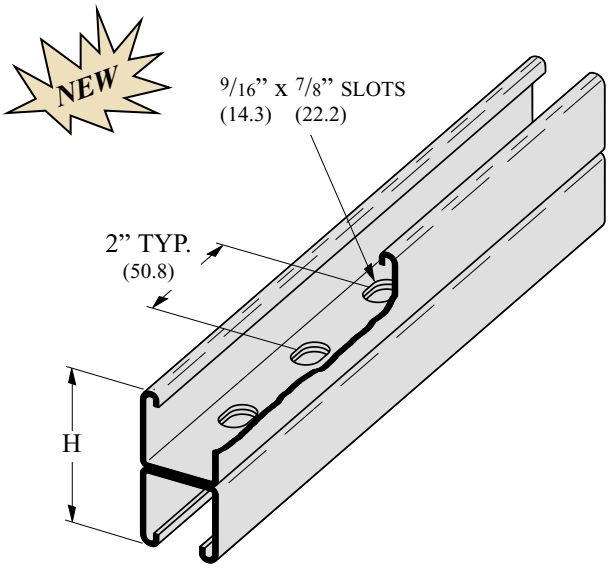
B11KO6 THRU B56KO6
(KO6 TYPE KNOCKOUT CHANNEL)
•For beam loads use 90% of Channel Loading Chart

Part No.	Thickness		Height H In.	Height H mm	Weight Lbs./Ft.	Weight kg/m
B11KO6	12 Ga.	(2.6)	3 1/4"	(82.5)	3.05	(4.54)
B12KO6	12 Ga.	(2.6)	2 7/16"	(61.9)	2.47	(3.67)
B22KO6	12 Ga.	(2.6)	1 5/8"	(41.3)	1.90	(2.83)
B24KO6	14 Ga.	(1.9)	1 5/8"	(41.3)	1.40	(2.08)
B26KO6	16 Ga.	(1.5)	1 5/8"	(41.3)	1.12	(1.66)
B32KO6	12 Ga.	(2.6)	1 3/8"	(34.9)	1.70	(2.53)
B42KO6	12 Ga.	(2.6)	1"	(25.4)	1.44	(2.14)
B52KO6	12 Ga.	(2.6)	13/16"	(20.6)	1.27	(1.89)
B54KO6	14 Ga.	(1.9)	13/16"	(20.6)	.97	(1.44)
B56KO6	16 Ga.	(1.5)	13/16"	(20.6)	.85	(1.26)



B22SHA

Part No.	Thickness		Height H In.	Height H mm	Weight Lbs./Ft.	Weight kg/m
B22SHA	12 Ga.	(2.6)	3 1/4"	(82.5)	3.64	(5.42)

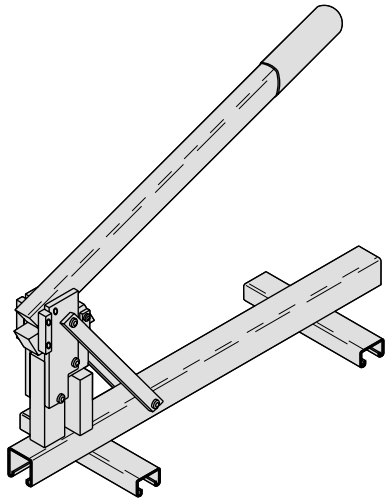


CHANNEL HOLE PATTERNS

B-Line

B96HP
CHANNEL PUNCH

- Field-punch holes exactly where you want them in any type channel...Quick and easy!
- Any size holes...anywhere you need them...with on-the-job convenience!
- Channel punch will work on any standard single channels that have solid backs.
- Do not use this punch on combination, stainless steel, or KO6 channels.



Die Blocks Only

Part No.	Hole Size		Bolt Size		Weight Each Lbs.	Weight Each kg
B96HP-0.562D	9/16"	(14.3)	1/2"	(12.7)	.50	(.2)
B96HP-0.438D	7/16"	(11.1)	3/8"	(9.5)	.50	(.2)
B96HP-0.281D	9/32"	(7.1)	1/4"	(6.3)	.50	(.2)

Punch & Die Block Assembly

Part No.	Hole Size		Bolt Size		Weight Each Lbs.	Weight Each kg
B96HP-0.562	9/16"	(14.3)	1/2"	(12.7)	24.5	(11.1)
B96HP-0.438	7/16"	(11.1)	3/8"	(9.5)	24.5	(11.1)
B96HP-0.281	9/32"	(7.1)	1/4"	(6.3)	24.5	(11.1)

Reference page 14 for general fitting and standard finish specifications.

NOTES

CHANNEL NUTS & HARDWARE

Channel Nuts

B-Line's channel nut is one of the main components of our metal framing system. It is designed to provide essential gripping power and ease during installation. Channel nuts are press formed, machined and hardened from steel which meets the requirements of ASTM A108 or ASTM A36 for our larger sizes.

Bolts, Screws, and Nuts

All bolts, screws and nuts meet the physical and chemical requirements of ASTM A307, SAE J429 or ASTM A563, and have unified inch screw threads (coarse, UNC). ISO metric threads are also available on special request.

Recommended Torque

Bolt Size	1/4-20	5/16-18	3/8-16	1/2-13
Foot/Lbs.	6	11	19	50
Nm	8	15	26	68

Bolt Size	M6x1	M8 x1.5	M10 x 1.5	M12x1.75
NM	12	17	36	62
Foot/Lbs.	9	13	27	46

Materials & Finishes*

Finish Code	Finish	Specification
PLN	Plain	ASTM A108/A307 Gr. A
ZN	Electro-Plated Zinc	ASTM B633 SC1 Type III
CZ	Chromium Zinc	ASTM F1136 Gr. 3
HDG	Hot-Dipped Galvanized	ASTM A153
SS4	Stainless Steel Type 304	ASTM A593
SS6	Stainless Steel Type 316	MPIF 35/ASTM A593
AL	Aluminum	ASTM F468 S4

*Unless otherwise noted.

Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

STANDARD CHANNEL NUTS

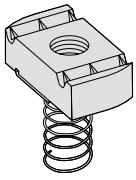
Numbering Example: **N 7 25 (*) WO**

Nut Type	Channel Type	Thread Size	Stud Length	Suffix
N = Standard Nut	7 = Tall Channels	21 = #8-32	* = Specify Length of stud below for Stud Nut or Twirl Stud Nuts	WO = Without Spring
TN = Twirl Nut	B11	22 = #10-24		** = Twirl Nuts or nuts with springs have blank suffix
SN = Stud Nut	B12	27 = #10-32		
STN = Stud Twirl Nut	2 = Medium Channels	24 = 1/4-20	3/4 = 3/4"	
	B22	23 = 5/16-18	1 = 1"	
	B24	28 = 3/8-16	1 1/4 = 1 1/4"	
	B26	26 = 7/16-14	1 1/2 = 1 1/2"	
	B32	25 = 1/2-13		
	5 = Short Channels	55 = 5/8-11		
	B42	75 = 5/8-11		
	B52	78 = 7/8-9		
	B54			
	B56			

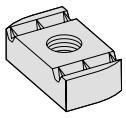
METRIC CHANNEL NUTS

Numbering Example: **BMS 6 M**

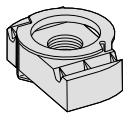
Nut Type	Metric Thread Size	Suffix
BMS = Spring Nut	3 = M3.5	S = Short Spring
BMS-D = Spring Nut (1/2" thick)	4 = M4	M = Medium Spring
BMT = Twirl Nut	5 = M5	L = Long Spring
BMT-D = Twirl Nut (1/2" thick)	6 = M6	* = Twirl Nuts and nuts without springs have blank suffix
BFN = FN Nut	8 = M8	
BMM = Spring Nut (Mini channel)	10 = M10	
	12 = M12	



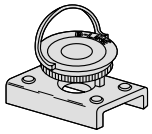
SPRING NUT



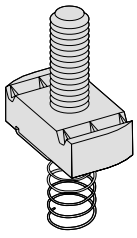
NUT WITHOUT SPRING



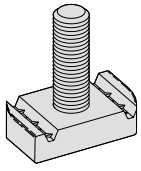
TWIRL-NUT®



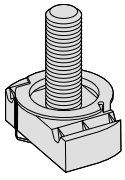
FN NUT Patented



STUD NUT WITH SPRING

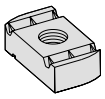


STUD NUT WITHOUT SPRING



TWIRL STUD NUT

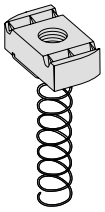
Reference page 44 for general fitting and standard finish specifications.



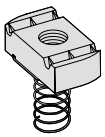
NUT WITHOUT SPRING

	Part No.	Thread Size	Fits Channel Sizes	Nut Thickness		Wt./C Lbs.	Wt./C kg
	N221WO	#8-32	All sizes except B62 & B72	1/4"	(6.3)	7.0	(3.17)
	N621WO	#8-32	B62 & B72	.150	(3.81)	1.0	(.45)
	N227WO	#10-32	All sizes except B62 & B72	1/4"	(6.3)	7.0	(3.17)
	N627WO	#10-32	B62 & B72	.150	(3.81)	1.0	(.45)
	N222WO	#10-24	All sizes except B62 & B72	1/4"	(6.3)	7.0	(3.17)
	N622WO	#10-24	B62 & B72	.150	(3.81)	1.0	(.45)
	N224WO	1/4-20	All sizes except B62 & B72	1/4"	(6.3)	6.7	(3.04)
	N624WO	1/4-20	B62 & B72	.150	(3.81)	1.0	(.45)
	N223WO	5/16-18	All sizes except B62 & B72	1/4"	(6.3)	6.7	(3.04)
	N228WO	3/8-16	All sizes except B62 & B72	3/8"	(9.5)	9.3	(4.22)
	N226WO	7/16-14	All sizes except B62 & B72	3/8"	(9.5)	8.8	(3.99)
	N225WO	1/2-13	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	11.6	(5.26)
	N525WO	1/2-13	B42, B52, B54, B56	3/8"	(9.5)	8.8	(3.99)
	N255WO	5/8-11	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	16.4	(7.44)
	N555WO	5/8-11	B42, B52, B54, B56	3/8"	(9.5)	10.2	(4.62)
	N275WO	3/4-10	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	14.5	(6.58)
	N575WO	3/4-10	B42, B52, B54, B56	3/8"	(9.5)	8.8	(3.99)
	N278WO	7/8-9	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	12.5	(5.67)
Metric	**BMM-3**	M3.5 x 0.6	B62 & B72	.150	(3.81)	1.0	(0.45)
	BMM-4	M4 x 0.7	B62 & B72	.150	(3.81)	1.0	(0.45)
	BMM-5	M5 x 0.8	B62 & B72	.150	(3.81)	1.0	(0.45)
	BMM-6	M6 x 1	B62 & B72	.150	(3.81)	1.0	(0.45)
	BMS-6	M6 x 1	All sizes except B62 & B72	1/4"	(6.3)	6.9	(3.13)
	BMS-8	M8 x 1.25	All sizes except B62 & B72	1/4"	(6.3)	6.7	(3.04)
	BMS-10	M10 x 1.5	All sizes except B62 & B72	3/8"	(9.5)	9.6	(4.35)
	BMS-12	M12 x 1.75	All sizes except B62 & B72	3/8"	(9.5)	9.2	(4.17)
	BMS-D-12	M12 x 1.75	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	12.2	(5.53)

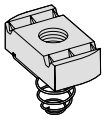
Reference page 44 for general fitting and standard finish specifications.



700 SERIES



200 SERIES

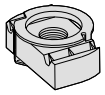


500 SERIES

SPRING NUT

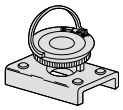
	Part No.	Thread Size	Fits Channel Sizes	Nut Thickness		Wt./C Lbs.	Wt./C kg
	N721	#8-32	B11 & B12	1/4"	(6.3)	7.0	(3.17)
	N221	#8-32	B22, B24, B26, B32	1/4"	(6.3)	7.0	(3.17)
	N521	#8-32	B42, B52, B54, B56	1/4"	(6.3)	7.0	(3.17)
	N621	#8-32	B62	.150	(3.81)	1.0	(.45)
	N7221	#8-32	B72	.150	(3.81)	1.0	(.45)
	N727	#10-32	B11 & B12	1/4"	(6.3)	7.0	(3.17)
	N227	#10-32	B22, B24, B26, B32	1/4"	(6.3)	7.0	(3.17)
	N527	#10-32	B42, B52, B54, B56	1/4"	(6.3)	7.0	(3.17)
	N627	#10-32	B62	.150	(3.81	1.0	(.45)
	N7227	#10-32	B72	.150	(3.81	1.0	(.45)
	N722	#10-24	B11 & B12	1/4"	(6.3)	7.0	(3.17)
	N222	#10-24	B22, B24, B26, B32	1/4"	(6.3)	7.0	(3.17)
	N522	#10-24	B42, B52, B54, B56	1/4"	(6.3)	7.0	(3.17)
	N622	#10-24	B62	.150	(3.81)	1.0	(.45)
	N7222	#10-24	B72	.150	(3.81)	1.0	(.45)
	N724	1/4-20	B11 & B12	1/4"	(6.3)	6.7	(3.04)
	N224	1/4-20	B22, B24, B26, B32	1/4"	(6.3)	6.7	(3.04)
	N524	1/4-20	B42, B52, B54, B56	1/4"	(6.3)	6.7	(3.04)
	N624	1/4-20	B62	.150	(3.81)	1.0	(.45)
	N7224	1/4-20	B72	.150	(3.81)	1.0	(.45)
	N723	5/16-18	B11 & B12	1/4"	(6.3)	6.7	(3.04)
	N223	5/16-18	B22, B24, B26, B32	1/4"	(6.3)	6.7	(3.04)
	N523	5/16-18	B42, B52, B54, B56	1/4"	(6.3)	6.7	(3.04)
	N728	3/8-16	B11 & B12	3/8"	(9.5)	9.3	(4.22)
	N228	3/8-16	B22, B24, B26, B32	3/8"	(9.5)	9.3	(4.22)
	N528	3/8-16	B42, B52, B54, B56	3/8"	(9.5)	9.3	(4.22)
	N726	7/16-14	B11 & B12	3/8"	(9.5)	8.8	(3.99)
	N226	7/16-14	B22, B24, B26, B32	3/8"	(9.5)	8.8	(3.99)
	N526	7/16-14	B42, B52, B54, B56	3/8"	(9.5)	8.8	(3.99)
	N725	1/2-13	B11 & B12	1/2"	(12.7)	11.6	(5.26)
	N225	1/2-13	B22, B24, B26, B32	1/2"	(12.7)	11.6	(5.26)
	N525	1/2-13	B42, B52, B54, B56	3/8"	(9.5)	8.8	(3.99)
	N755	5/8-11	B11 & B12	1/2"	(12.7)	16.4	(7.44)
	N255	5/8-11	B22, B24, B26, B32	1/2"	(12.7)	16.4	(7.44)
	N555	5/8-11	B42, B52, B54, B56	3/8"	(9.5)	10.2	(4.62)
	N775	3/4-10	B11 & B12	1/2"	(12.7)	14.5	(6.58)
	N275	3/4-10	B22, B24, B26, B32	1/2"	(12.7)	14.5	(6.58)
	N575	3/4-10	B42, B52, B54, B56	3/8"	(9.5)	8.8	(3.99)
	N778	7/8-9	B11 & B12	1/2"	(12.7)	12.5	(5.67)
	N278	7/8-9	B22, B24, B26, B32	1/2"	(12.7)	12.5	(5.67)
Metric	**BMS-6L**	M6 x 1	B11 & B12	1/4"	(6.3)	6.9	(3.13)
	BMS-6M	M6 x 1	B22, B24, B26, B32	1/4"	(6.3)	6.9	(3.13)
	BMS-6S	M6 x 1	B42, B52, B54, B56	1/4"	(6.3)	6.9	(3.13)
	BMS-8L	M8 x 1.25	B11 & B12	1/4"	(6.3)	6.7	(3.04)
	BMS-8M	M8 x 1.25	B22, B24, B26, B32	1/4"	(6.3)	6.7	(3.04)
	BMS-8S	M8 x 1.25	B42, B52, B54, B56	1/4"	(6.3)	6.7	(3.04)
	BMS-10L	M10 x 1.5	B11 & B12	3/8"	(9.5)	9.6	(4.35)
	BMS-10M	M10 x 1.5	B22, B24, B26, B32	3/8"	(9.5)	9.6	(4.35)
	BMS-10S	M10 x 1.5	B42, B52, B54, B56	3/8"	(9.5)	9.6	(4.35)
	BMS-12M	M12 x 1.75	B22, B24, B26, B32	3/8"	(9.5)	9.2	(4.17)
	BMS-12S	M12 x 1.75	B42, B52, B54, B56	3/8"	(9.5)	9.2	(4.17)
	BMS-D-12L	M12 x 1.75	B11 & B12	1/2"	(12.7)	12.2	(5.53)
	BMS-D-12M	M12 x 1.75	B22, B24, B26, B32	1/2"	(12.7)	12.2	(5.53)
	BMM-3L	M3.5 x 0.6	B62	.150	(3.81)	1.0	(.45)
	BMM-3S	M3.5 x 0.6	B72	.150	(3.81)	1.0	(.45)
	BMM-4L	M4 x 0.7	B62	.150	(3.81)	1.0	(.45)
	BMM-4S	M4 x 0.7	B72	.150	(3.81)	1.0	(.45)
	BMM-5L	M5 x 0.8	B62	.150	(3.81)	1.0	(.45)
	BMM-5S	M5 x 0.8	B72	.150	(3.81)	1.0	(.45)
	BMM-6L	M6 x 1	B62	.150	(3.81)	1.0	(.45)
	BMM-6S	M6 x 1	B72	.150	(3.81)	1.0	(.45)

Reference page 44 for general fitting and standard finish specifications.



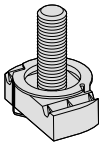
TWIRL-NUT® Patented

	Part No.	Thread Size	Fits Channel Sizes	Nut Thickness		Wt./C Lbs.	Wt./C kg
	TN221	#8-32	All sizes except B62 & B72	1/4"	(6.3)	7.0	(3.17)
	TN227	#10-32	All sizes except B62 & B72	1/4"	(6.3)	7.0	(3.17)
	TN222	#10-24	All sizes except B62 & B72	1/4"	(6.3)	7.0	(3.17)
	TN224	1/4-20	All sizes except B62 & B72	1/4"	(6.3)	6.7	(3.04)
	TN223	5/16-18	All sizes except B62 & B72	1/4"	(6.3)	6.7	(3.04)
	TN228	3/8-16	All sizes except B62 & B72	3/8"	(9.5)	9.3	(4.22)
	TN226	7/16-14	All sizes except B62 & B72	3/8"	(9.5)	8.8	(3.99)
	TN225	1/2-13	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	11.6	(5.26)
	TN525	1/2-13	B42, B52, B54, B56	3/8"	(9.5)	8.8	(3.99)
Metric	**BMT-6**	M6 x 1	All sizes except B62 & B72	1/4"	(6.3)	6.9	(3.13)
	BMT-8	M8 x 1.25	All sizes except B62 & B72	1/4"	(6.3)	6.7	(3.04)
	BMT-10	M10 x 1.5	All sizes except B62 & B72	3/8"	(9.5)	9.6	(4.35)
	BMT-12	M12 x 1.75	All sizes except B62 & B72	3/8"	(9.5)	9.2	(4.17)
	BMT-D-12	M12 x 1.75	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	12.2	(5.53)



FN NUT

	Part No.	Thread Size	Fits Channel Sizes	Nut Thickness		Wt./C Lbs.	Wt./C kg
	FN224	1/4 x 20	All sizes except B62 & B72	.31	(7.9)	5.4	(2.45)
	FN228	3/8 x 216	All sizes except B62 & B72	.31	(7.9)	5.4	(2.45)
Metric	**BFN-6**	M6 x 1	All sizes except B62 & B72	.31	(7.9)	5.4	(2.45)
	BFN-8	M8 x 1.25	All sizes except B62 & B72	.31	(7.9)	5.4	(2.45)
	BFN-10	M10 x 1.5	All sizes except B62 & B72	.31	(7.9)	5.4	(2.45)

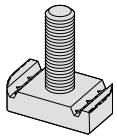


STUD TWIRL NUT

Part No.	Thread Size	Fits Channel Sizes	Nut Thickness		Ave. Wt./C Lbs.	Ave. Wt./C kg
STN224-*	1/4-20	All sizes except B62 & B72	1/4"	(6.3)	8.1	(3.66)
STN228-*	3/8-16	All sizes except B62 & B72	3/8"	(9.5)	12.9	(5.85)
STN225-*	1/2-13	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	18.2	(8.23)
STN525-*	1/2-13	B42, B52, B54, B56	3/8"	(9.5)	15.4	(6.96)

*Note: Add stud length in inches (3/4, 1, 1 1/4, 1 1/2)

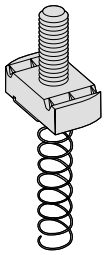
Reference page 44 for general fitting and standard finish specifications.



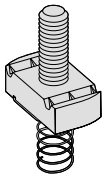
STUD NUT WITHOUT SPRING

Part No.	Thread Size	Fits Channel Sizes	Nut Thickness		Ave. Wt./C	
					Lbs.	kg
SN224-*WO	1/4-20	All sizes except B62 & B72	1/4"	(6.3)	8.1	(3.66)
SN228-*WO	3/8-16	All sizes except B62 & B72	3/8"	(9.5)	12.9	(5.85)
SN225-*WO	1/2-13	B11, B12, B22, B24, B26, B32	1/2"	(12.7)	18.2	(8.23)
SN525-*WO	1/2-13	B42, B52, B54, B56	3/8"	(9.5)	15.4	(6.96)

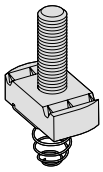
*Note: Add stud length in inches (3/4, 1, 1 1/4, 1 1/2)



700 SERIES



200 SERIES



500 SERIES

STUD NUT WITH SPRING

Part No.	Thread Size	Fits Channel Sizes	Nut Thickness		Ave. Wt./C	
					Lbs.	kg
SN724-*	1/4-20	B11 & B12	1/4"	(6.3)	8.1	(3.66)
SN224-*	1/4-20	B22, B24, B26, B32	1/4"	(6.3)	8.1	(3.66)
SN524-*	1/4-20	B42, B52, B54, B56	1/4"	(6.3)	8.1	(3.66)
SN728-*	3/8-16	B11 & B12	3/8"	(9.5)	12.9	(5.85)
SN228-*	3/8-16	B22, B24, B26, B32	3/8"	(9.5)	12.9	(5.85)
SN528-*	3/8-16	B42, B52, B54, B56	3/8"	(9.5)	12.9	(5.85)
SN725-*	1/2-13	B11 & B12	1/2"	(12.7)	18.2	(8.23)
SN225-*	1/2-13	B22, B24, B26, B32	1/2"	(12.7)	18.2	(8.23)
SN525-*	1/2-13	B42, B52, B54, B56	3/8"	(9.5)	15.4	(6.96)

*Note: Add stud length in inches (3/4, 1, 1 1/4, 1 1/2)

Reference page 44 for general fitting and standard finish specifications.

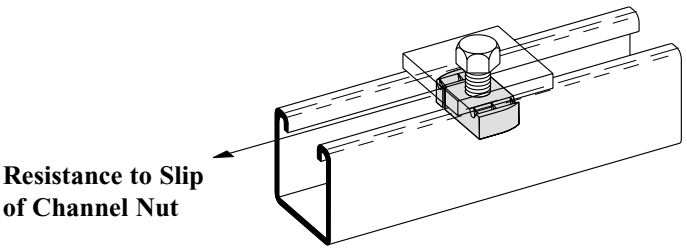
CHANNEL NUTS & HARDWARE

B-Line

RESISTANCE TO SLIP

•With Safety Factor of 3
•Maximum slip strength for 12 gauge channels is limited to 1550 lbs. (6670 N)

Thread Size	Nut Part Numbers	Resistance to Slip					
		12 ga. Channel		14 ga. Channel		16 ga. Channel	
		Lbs.	N	Lbs.	N	Lbs.	N
#8-32	**N221, N221WO,N521 N721,TN221**	50	220	50	220	50	220
#10-24	**N222, N222WO, N522 N722, TN222**	100	440	100	440	100	440
#10-32	**N227, N227WO, N527 N727, TN227**	100	440	100	440	100	440
1/4"-20	**FN224, N224,N224WO, N524 N724, TN224**	300	1330	300	1330	300	1330
5/16"-18	**N223, N223WO, N523 N723, TN223**	450	2000	450	2000	450	2000
3/8"-16	**FN228, N228, N228WO, N528 N728, TN228**	800	3560	600	2670	600	2670
7/16"-14	**N226, N226WO, N526 N726, TN226**	1000	4450	800	3560	800	3560
1/2"-13	**N225, N225WO, N725, TN225**	1500	6670	1000	4450	1000	4450
	N525, N525WO, TN525	1500	6670	1000	4450	1000	4450
5/8"-11	**N255, N255WO, N755**	1500	6670	1000	4450	1000	4450
	N555, N555WO	1500	6670	1000	4450	1000	4450
3/4"-10	**N275, N275WO, N775**	1500	6670	1000	4450	1000	4450
	N575, N575WO	1500	6670	1000	4450	1000	4450
7/8"-9	**N278, N278WO, N778**	1500	6670	1000	4450	1000	4450



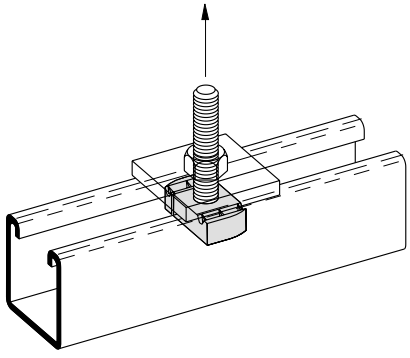
Reference page 44 for general fitting and standard finish specifications.

PULL-OUT STRENGTH

•With Safety Factor of 3
•Maximum pullout strength for B11 & B12 channels is limited to 1550 lbs. (6670 N).

Thread Size	Nut Part Numbers	Pull-Out Strength					
		12 ga. Channel		14 ga. Channel		16 ga. Channel	
		Lbs.	N	Lbs.	N	Lbs.	N
#8-32	**N221, N221WO,N521 N721,TN221**	200	890	200	890	200	890
#10-24	**N222, N222WO, N522 N722, TN222**	250	1110	250	1110	250	1110
#10-32	**N227, N227WO, N527 N727, TN227**	250	1110	250	1110	250	1110
1/4"-20	**FN224, N224, N224WO, N524 N724, TN224**	450	2000	450	2000	450	2000
5/16"-18	**N223, N223WO, N523 N723, TN223**	750	3330	750	3330	750	3330
3/8"-16	**FN228, N228, N228WO, N528 N728, TN228**	1100	4890	1000	4450	1000	4450
7/16"-14	**N226, N226WO, N526 N726, TN226**	1500	6670	1200	5340	1000	4450
1/2"-13	**N225, N225WO, N725, TN225**	2000	8900	1400	6230	1000	4450
	N525, N525WO, TN525	1500	6670	1400	6230	1000	4450
5/8"-11	**N255, N255WO, N755**	2000	8900	1400	6230	1000	4450
	N555, N555WO	1500	6670	1400	6230	1000	4450
3/4"-10	**N275, N275WO, N775**	2000	8900	1400	6230	1000	4450
	N575, N575WO	1500	6670	1400	6230	1000	4450
7/8"-9	**N278, N278WO, N778**	2000	8900	1400	6230	1000	4450

Pull-Out Strength of Channel Nut

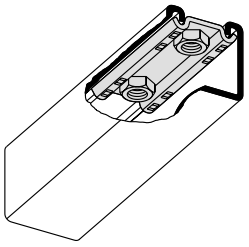


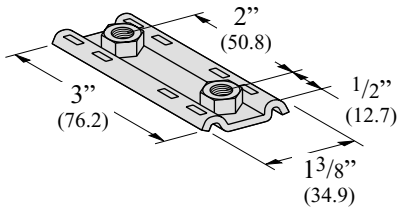
Reference page 44 for general fitting and standard finish specifications.

DCN 3/8
DOUBLE CONVEYOR NUT

- Recommended torque - 19 ft./Lbs.
- Allowable slip loading - 700 Lbs.
- Safety Factor of 3
- Material: ASTM A570 Gr. 33
- Finish: Electrodeposited zinc ASTM B633 SC1
- Strut ordered separately

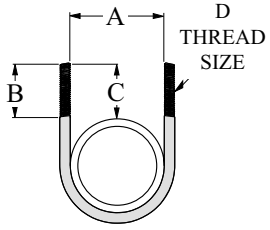
NEW

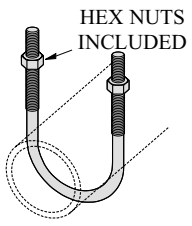




B501 SERIES
U-BOLT

- Designed for use with Rigid Conduit or Iron Pipe
- Dimension “C” is dependent on the type of pipe or conduit supported and is a reference only

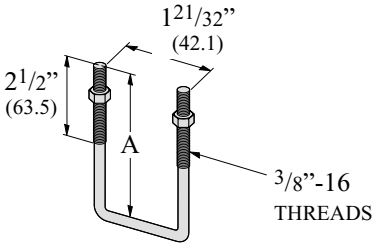


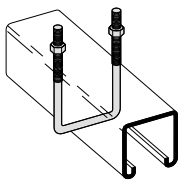


Part No.	A		C		D	B		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B501-1/2	15/16”	(23.8)	1 1/2”	(38.1)	5/16”-18	1 3/4”	(44.4)	600	(2.67)	12	(5.4)
B501-3/4	1 1/8”	(28.6)	1 5/8”	(41.3)	5/16”-18	1 3/4”	(44.4)	600	(2.67)	13	(5.9)
B501-1	1 3/8”	(29.9)	1 5/8”	(41.3)	5/16”-18	1 7/8”	(47.6)	900	(4.00)	14	(6.3)
B501-1 1/4	1 23/32”	(43.6)	1 15/32”	(37.3)	5/16”-18	1 3/4”	(44.4)	900	(4.00)	15	(6.8)
B501-1 1/2	2”	(50.8)	1 7/16”	(36.5)	5/16”-18	1 3/4”	(44.4)	900	(4.00)	16	(7.2)
B501-2	2 7/16”	(61.9)	1 7/8”	(47.6)	3/8”-16	2 1/16”	(52.4)	1200	(5.34)	27	(12.2)
B501-2 1/2	2 15/16”	(74.6)	1 13/16”	(46.0)	3/8”-16	2 1/16”	(52.4)	1200	(5.34)	32	(14.5)
B501-3	3 9/16”	(90.5)	1 3/4”	(44.4)	3/8”-16	2”	(50.8)	1800	(8.00)	36	(16.3)
B501-3 1/2	4 3/32”	(94.6)	1 23/32”	(43.6)	3/8”-16	2”	(50.8)	1800	(8.00)	38	(17.2)
B501-4	4 19/32”	(116.7)	1 21/32”	(50.0)	3/8”-16	2 1/4”	(57.1)	1800	(8.00)	42	(19.0)
B501-5	5 21/32”	(143.6)	2”	(50.8)	1/2”-13	2 1/4”	(57.1)	2400	(10.70)	92	(41.7)
B501-6	6 3/4”	(171.4)	2 3/8”	(60.3)	5/8”-11	2 5/8”	(66.7)	2400	(10.70)	176	(79.8)
B501-8	8 3/4”	(222.2)	2 3/8”	(60.3)	5/8”-11	2 5/8”	(66.7)	2400	(10.70)	191	(86.6)

B500 SERIES
SQUARE U-BOLT

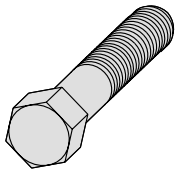
- Includes:
  1 pc. U-Bolt only
  2 pcs. 3/8”-16 Hex Nuts
- Additional sizes available
- Standard finish: ZN, SS4





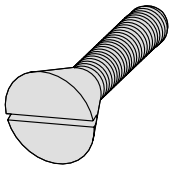
Part No.	A		Channel Size	Wt./C Lbs.	Wt./C kg
B500-3-3/8	3 3/8”	(85.7)	1 5/8” x 1 5/8”	25	(11.3)
B500-5	5”	(127.0)	3 1/4” x 1 5/8”	33	(14.9)

HHCS
HEX HEAD CAP SCREWS
•Standard finish: Zinc-Plated, Stainless Steel



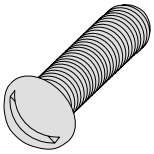
Part No.	Wt./C Lbs.	kg
1/4" x 1/2" HHCS	1.3	(.59)
1/4" x 3/4" HHCS	1.4	(.63)
1/4" x 1" HHCS	1.7	(.77)
1/4" x 1 1/4" HHCS	2.1	(.95)
1/4" x 1 1/2" HHCS	2.4	(1.09)
5/16" x 1" HHCS	2.8	(1.27)
5/16" x 1 1/4" HHCS	3.2	(1.45)
5/16" x 1 1/2" HHCS	3.8	(1.72)
3/8" x 3/4" HHCS	3.4	(1.54)
3/8" x 1" HHCS	4.1	(1.86)
3/8" x 1 1/4" HHCS	4.7	(2.13)
3/8" x 1 1/2" HHCS	5.2	(2.36)
3/8" x 1 3/4" HHCS	5.9	(2.67)
3/8" x 2" HHCS	7.0	(3.17)
3/8" x 2 1/4" HHCS	7.8	(3.54)
3/8" x 2 1/2" HHCS	8.5	(3.85)
1/2" x 7/8" HHCS	8.0	(3.63)
1/2" x 1" HHCS	8.4	(3.81)
1/2" x 1 1/4" HHCS	9.2	(4.17)
1/2" x 1 1/2" HHCS	10.1	(4.58)
1/2" x 1 3/4" HHCS	12.0	(5.44)
1/2" x 2" HHCS	13.2	(5.99)
1/2" x 2 1/2" HHCS	16.0	(7.26)

SFHMS
SLOTTED FLAT HEAD MACHINE SCREWS
•Standard finish: Zinc-Plated



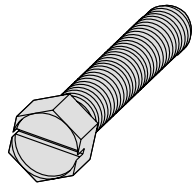
Part No.	Wt./C Lbs.	kg
1/4" x 1/2" SFHMS	1.1	(.50)
1/4" x 5/8" SFHMS	1.2	(.54)
1/4" x 3/4" SFHMS	1.4	(.63)
5/16" x 1" SFHMS	2.8	(1.27)
3/8" x 1 1/2" SFHMS	5.6	(2.54)
3/8" x 2" SFHMS	6.7	(3.04)
3/8" x 2 1/4" SFHMS	7.3	(3.31)
3/8" x 2 1/2" SFHMS	7.9	(3.58)
1/2" x 1" SFHMS	5.9	(2.67)
1/2" x 1 1/4" SFHMS	7.0	(3.17)
1/2" x 1 1/2" SFHMS	8.3	(3.76)
1/2" x 2 1/2" SFHMS	13.8	(6.26)

SRHMS
SLOTTED ROUND HEAD MACHINE SCREWS
•Standard finish: Zinc-Plated



Part No.	Wt./C Lbs.	kg
1/4" x 1/2" SRHMS	.9	(.41)
1/4" x 3/4" SRHMS	1.2	(.54)
1/4" x 1" SRHMS	1.5	(.68)
1/4" x 1 1/4" SRHMS	1.7	(.77)
1/4" x 1 1/2" SRHMS	1.9	(.86)
5/16" x 1" SRHMS	2.5	(1.13)
5/16" x 1 1/4" SRHMS	2.9	(1.31)
5/16" x 1 1/2" SRHMS	3.3	(1.49)
3/8" x 1" SRHMS	4.0	(1.81)
3/8" x 1 1/4" SRHMS	4.5	(2.04)
3/8" x 1 1/2" SRHMS	5.1	(2.31)
3/8" x 2" SRHMS	6.3	(2.86)
3/8" x 2 1/4" SRHMS	7.1	(3.22)
3/8" x 2 1/2" SRHMS	7.7	(3.49)

SHHMS
SLOTTED HEX HEAD MACHINE SCREWS
•Standard finish: Zinc-Plated, Stainless Steel



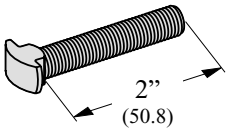
Part No.	Wt./C Lbs.	kg
1/4" x 3/4" SHHMS	1.2	(.54)
1/4" x 1" SHHMS	1.5	(.68)
1/4" x 1 1/4" SHHMS	1.8	(.80)
1/4" x 1 1/2" SHHMS	2.0	(.91)
5/16" x 1" SHHMS	2.6	(1.18)
5/16" x 1 1/4" SHHMS	3.1	(1.40)
5/16" x 1 1/2" SHHMS	3.4	(1.54)
3/8" x 1 1/4" SHHMS	4.6	(2.08)
3/8" x 1 1/2" SHHMS	5.3	(2.40)

Reference page 44 for general fitting and standard finish specifications.

CHANNEL NUTS & HARDWARE

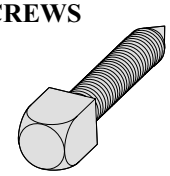
B-Line

B617
SHOULDER BOLT
•Standard finish: ZN
•Wt./C 6 Lbs. (2.7 kg)



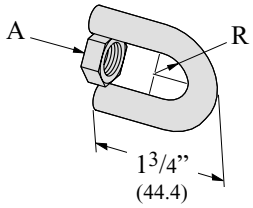
3/8”-16 THREAD SIZE

CNPSS
SQUARE HEAD CONE POINT SET SCREWS
•Standard finish: ZN



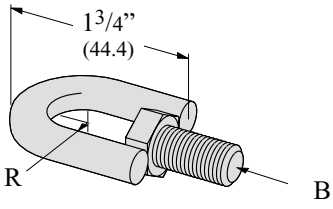
Part No.	Wt./C Lbs.	kg
3/8” x 1 1/2” CNPSS	4.7	(2.13)
3/8” x 2” CNPSS	6.0	(2.72)
1/2” x 1 1/2” CNPSS	9.2	(4.17)
1/2” x 2” CNPSS	11.4	(5.17)
1/2” x 2 1/2” CNPSS	13.7	(6.21)
5/8” x 2” CNPSS	19.0	(8.62)
5/8” x 2 1/2” CNPSS	22.6	(10.25)

B446A
SWIVEL HANGER (FEMALE ONLY)
•Design Load:
(3/8)-610 Lbs. (2.71 kN)
(1/2)-1130 Lbs. (5.02 kN)
•Safety Factor of 3
•Standard finish: ZN



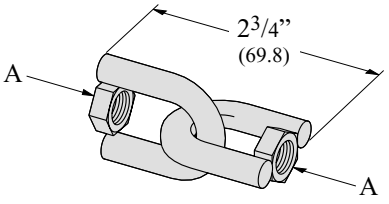
Part No.	A	R		Wt./C Lbs.	kg
B446A-3/8	3/8”-16 HN	9/32”	(7.1)	13	(5.9)
B446A-1/2	1/2”-13 HN	3/8”	(9.5)	15	(6.8)

B446B
SWIVEL HANGER (MALE ONLY)
•Design Load:
(3/8)-610 Lbs. (2.71 kN)
(1/2)-1130 Lbs. (5.02 kN)
•Safety Factor of 3
•Standard finish: ZN



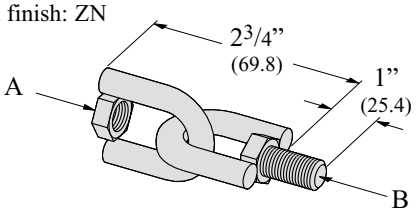
Part No.	B	R		Wt./C Lbs.	kg
B446B-3/8	3/8”-16 HHCS	9/32”	(7.1)	16	(7.2)
B446B-1/2	1/2”-13 HHCS	3/8”	(9.5)	20	(9.1)

B446C
SWIVEL HANGER (FEMALE-FEMALE)
•Design Load:
(3/8)-610 Lbs. (2.71 kN)
(1/2)-1130 Lbs. (5.02 kN)
•Safety Factor of 3
•Standard finish: ZN



Part No.	A	Wt./C Lbs.	kg
B446C-3/8	3/8”-16 HN	26	(11.8)
B446C-1/2	1/2”-13 HN	31	(14.0)

B446
SWIVEL HANGER (FEMALE-MALE)
•Design Load:
(3/8)-610 Lbs. (2.71 kN)
(1/2)-1130 Lbs. (5.02 kN)
•Safety Factor of 3
•Standard finish: ZN



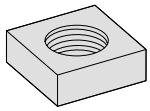
Part No.	A	B	Wt./C Lbs.	kg
B446-3/8	3/8”-16 HN	3/8”-16 HHCS	28	(12.7)
B446-1/2	1/2”-13 HN	1/2”-13 HHCS	36	(16.3)

Reference page 44 for general fitting and standard finish specifications.

HN
HEX NUTS
•Standard finish: Zinc-Plated, Stainless Steel

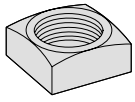
Part No.	Wt./C Lbs.	kg
1/4" HN	.7	(.32)
5/16" HN	1.0	(.45)
3/8" HN	1.5	(.68)
1/2" HN	3.6	(1.63)
5/8" HN	7.2	(3.26)
3/4" HN	11.1	(5.03)
7/8" HN	17.9	(8.12)
1" HN	27.2	(12.34)

MSQN
MACHINE SQUARE NUT
•For use with B755 Beam Clamp
•Standard finish: Zinc-Plated



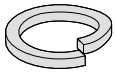
Part No.	Wt./C Lbs.	kg
MSQN 1/4"	.6	(.27)
MSQN 5/16"	1.2	(.54)
MSQN 3/8"	1.8	(.81)

SQN
SQUARE NUTS
•Standard finish: Zinc-Plated



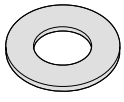
Part No.	Wt./C Lbs.	kg
1/2" SQN	5.7	(2.58)
5/8" SQN	10.1	(4.58)

LW
LOCK WASHERS
•Standard finish: Zinc-Plated, Stainless Steel



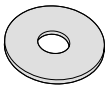
Part No.	Wt./C Lbs.	kg
1/4" LW	.3	(.13)
5/16" LW	.4	(.18)
3/8" LW	.6	(.27)
1/2" LW	1.3	(.59)
5/8" LW	2.4	(1.09)
3/4" LW	3.8	(1.72)
7/8" LW	5.9	(2.67)
1" LW	8.8	(3.99)

FW
FLAT WASHERS
•Standard finish: Zinc-Plated, Stainless Steel



Part No.	Wt./C Lbs.	kg
1/4" FW	.7	(.32)
5/16" FW	1.4	(.63)
3/8" FW	1.7	(.77)
1/2" FW	3.9	(1.77)
5/8" FW	6.4	(2.90)
3/4" FW	10.9	(4.94)
7/8" FW	13.4	(6.08)
1" FW	18.8	(8.53)

FFW
FLAT FENDER WASHERS
•Standard finish: Zinc-Plated



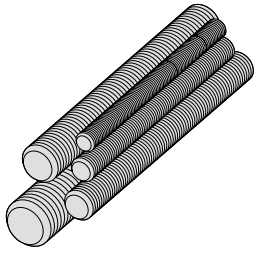
Part No.	Wt./C Lbs.	kg
1/4" x 1 1/4" FFW	2.2	(1.00)
1/4" x 1 1/2" FFW	3.1	(1.40)
3/8" x 1 1/4" FFW	2.0	(.91)
3/8" x 1 1/2" FFW	3.0	(1.36)
1/2" x 2" FFW	5.4	(2.45)

Reference page 44 for general fitting and standard finish specifications.

CHANNEL NUTS & HARDWARE

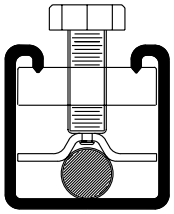
B-Line

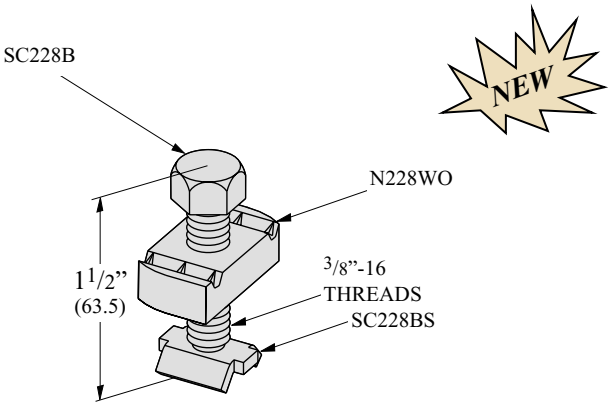
ATR
ALL THREADED ROD
•Available in 36” (91.4 cm), 72” (182.9 cm), 120” (304.8 cm), 144” (365.7 cm) lengths
•Safety Factor of 5 on recommended load
•Standard finish: Zinc-Plated, Stainless Steel Type 304



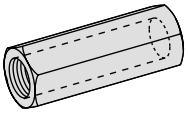
Part No. & Size	Threads Per Inch	Recommended Load Lbs.	kN	Wt./C Ft. (3048.0 cm) Lbs.	kg
ATR 1/4”	20	240	(1.07)	12	(5.44)
ATR 5/16”	18	380	(1.69)	19	(8.62)
ATR 3/8”	16	610	(2.71)	29	(13.15)
ATR 1/2”	13	1130	(5.02)	53	(24.04)
ATR 5/8”	11	1810	(8.05)	89	(40.37)
ATR 3/4”	10	2710	(12.05)	123	(55.79)
ATR 7/8”	9	3770	(16.77)	170	(77.11)
ATR 1”	8	4960	(22.06)	225	(102.06)

SC228
HANGER ROD STIFFENER
•For 3/8” thru 5/8” ATR
•Strut ordered separately
•Standard finish: ZN



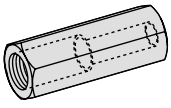


B655
ROD COUPLING
•Load rating for each coupler meets All Threaded Rod value
•Standard finish: Zinc-Plated, Stainless Steel Type 304



Part No.	Size	Recommended Load Lbs.	kN	Length		Wt./C Lbs.	kg
B655-1/4	1/4”-20	240	(1.07)	7/8”	(22.2)	1.9	(.86)
B655-5/16	5/16”-18	380	(1.69)	7/8”	(22.2)	1.8	(.81)
B655-3/8	3/8”-16	610	(2.71)	1 1/8”	(28.6)	3.6	(1.63)
B655-1/2	1/2”-13	1130	(5.02)	1 3/4”	(44.4)	11.3	(5.12)
B655-5/8	5/8”-11	1810	(8.05)	2 1/8”	(54.0)	17.6	(7.98)
B655-3/4	3/4”-10	2710	(12.05)	2 1/4”	(57.1)	28.1	(12.74)
B655-7/8	7/8”-9	3770	(16.77)	2 1/2”	(63.5)	57.2	(25.94)
B655-1	1”-8	4960	(22.06)	2 3/4”	(69.8)	73.7	(33.43)

B656
REDUCER ROD COUPLING
•Load rating for each coupler meets smaller All Threaded Rod value.
•Standard finish: Zinc-Plated, Stainless Steel Type 304



Part No.	Size	Recommended Load Lbs.	kN	Length		Wt./C Lbs.	kg
B656-3/8 x 1/4	3/8”-16 & 1/4”-20	240	(1.07)	1”	(25.4)	3.7	(1.68)
B656-1/2 x 3/8	1/2”-13 & 3/8”-16	610	(2.71)	1 1/4”	(31.7)	6.6	(2.99)
B656-5/8 x 1/2	5/8”-11 & 1/2”-13	1130	(5.02)	1 1/4”	(31.7)	11.6	(5.26)
B656-3/4 x 5/8	3/4”-10 & 5/8”-11	1810	(8.05)	1 1/2”	(38.1)	20.6	(9.34)
B656-7/8 x 3/4	7/8”-9 & 3/4”-10	2710	(12.05)	1 3/4”	(44.4)	39.4	(17.87)

Reference page 44 for general fitting and standard finish specifications.

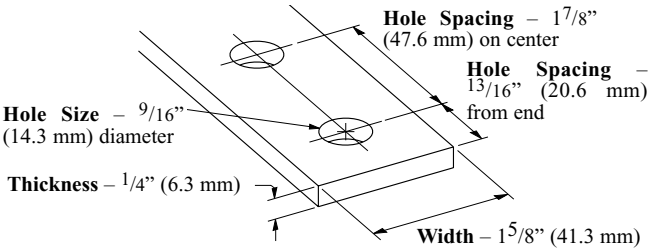
NOTES

FITTINGS

This section offers a full selection of fittings and accessories to complete B-Line's metal framing system. Fittings are made from hot rolled, pickled and oiled plate or strip steel in accordance with ASTM A907, unless noted.

Dimensions

The following dimensions apply to all fittings except as noted:



Materials & Finishes*

Finish Code	Finish	Specification
PLN	Plain	ASTM A907 Gr. 33
ZN	Electro-Plated Zinc	ASTM B633 SC3 Type III
GRN	Dura-Green	TT-C-490B
HDG	Hot-Dipped Galvanized	ASTM A123
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A240
AL	Aluminum	ASTM B209

*Unless otherwise noted.

Load Data

The load data published includes safety factor of 2.5 when used with 12 ga. (2.6) channel (safety factor = ratio of ultimate load to the design load).

Use 1/2" by 7/8" hex head cap screws and 1/2" (N225 or TN225) channel nuts for the rated results.

Recommended Bolt Torque

Bolt Size	1/4-20	5/16-18	3/8-16	1/2-13
Foot/Lbs.	6	11	19	50
Nm	8	15	26	68

See chart on page 98 for setscrew torque.

Hardware

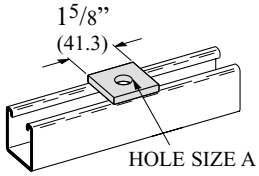
Nuts and bolts are not included with the fittings and must be ordered separately, unless noted.

Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

B200-B202-2

•Standard finishes: ZN, GRN, HDG, SS4, SS6, AL

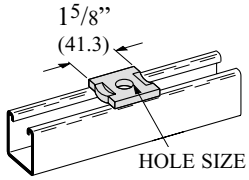


SQUARE WASHER

Part No.	A	(A)	Bolt Size		Wt./C Lbs.	Wt./C kg
B200	3/8"	(9.5)	5/16"	(7.9)	18	(8.1)
B201	7/16"	(11.1)	3/8"	(9.5)	18	(8.1)
B202	9/16"	(14.2)	1/2"	(12.7)	17	(7.7)
B202-1	11/16"	(17.4)	5/8"	(15.9)	16	(7.2)
B202-2	13/16"	(20.6)	3/4"	(19.0)	15	(6.8)

B200D-B202-2D

•Standard finishes: ZN, GRN, HDG, SS4, SS6, AL



NO TWIST SQUARE WASHER

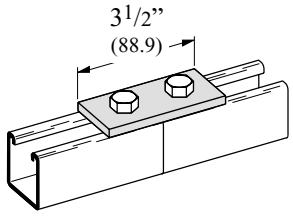
Part No.	A	(A)	Bolt Size		Wt./C Lbs.	Wt./C kg
B200D	3/8"	(9.5)	5/16"	(7.9)	18	(8.1)
B201D	7/16"	(11.1)	3/8"	(9.5)	18	(8.1)
B202D	9/16"	(14.2)	1/2"	(12.7)	17	(7.7)
B202-1D	11/16"	(17.4)	5/8"	(15.9)	16	(7.2)
B202-2D	13/16"	(20.6)	3/4"	(19.0)	15	(6.8)

B129

TWO HOLE SPLICE PLATE

•Standard finishes: ZN, GRN

•Wt./C 37 Lbs. (16.8 kg)

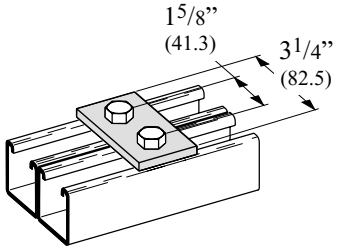


B340

TWO HOLE SPLICE PLATE

•Standard finishes: ZN, GRN

•Wt./C 34 Lbs. (15.4 kg)

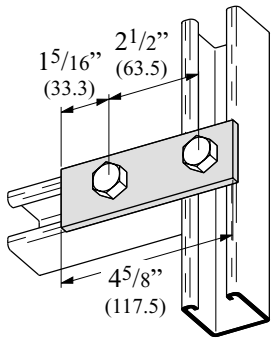


B528

TWO HOLE SPLICE PLATE

•Standard finishes: ZN, GRN

•Wt./C 50 Lbs. (22.7 kg)

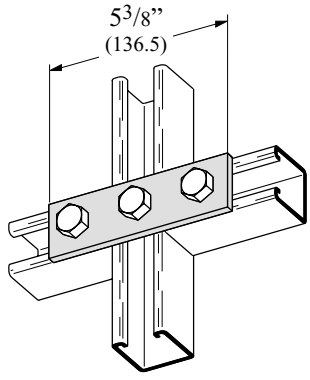


B141

THREE HOLE SPLICE PLATE

•Standard finishes: ZN, GRN

•Wt./C 55 Lbs. (24.9 kg)

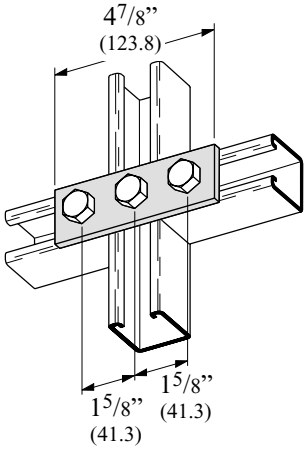


B557

THREE HOLE SPLICE PLATE

•Standard finishes: ZN, GRN

•Wt./C 50 Lbs. (22.7 kg)

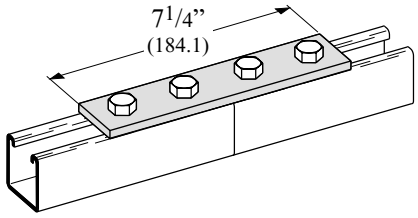


B341

FOUR HOLE SPLICE PLATE

•Standard finishes: ZN, GRN, HDG

•Wt./C 76 Lbs. (34.5 kg)

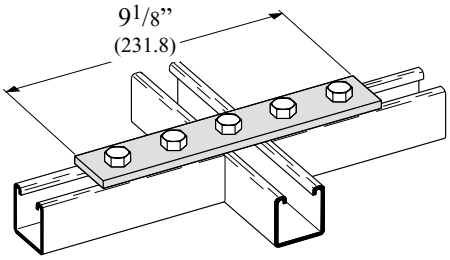


B342

FIVE HOLE SPLICE PLATE

•Standard finishes: ZN, GRN

•Wt./C 96 Lbs. (43.5 kg)

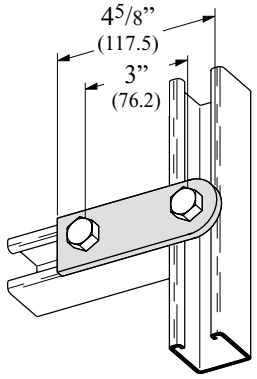


Channel, Combinations & Hole Patterns
Channel Nuts & Hardware
Fittings
Beam Clamps
Pipe Clamps
Electrical Accessories
Special Materials & Fiberglass
Mini Channel & Fittings
Concrete Inserts
Slotted Angle
Reference Data/Index

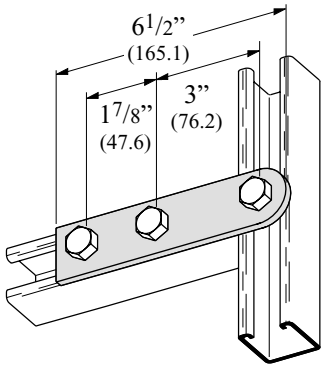
FLAT PLATE FITTINGS

B-Line

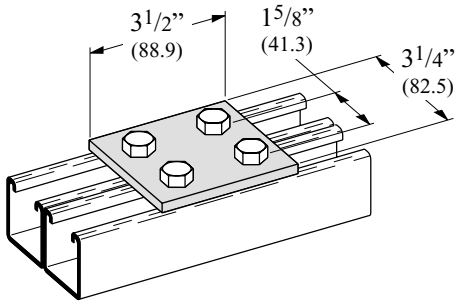
B138
TWO HOLE SWIVEL PLATE
- Standard finishes: ZN, GRN
- Wt./C 48 Lbs. (21.8 kg)



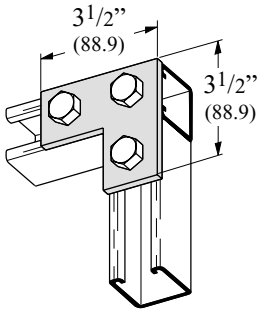
B139
THREE HOLE SWIVEL PLATE
- Standard finishes: ZN, GRN
- Wt./C 69 Lbs. (31.3 kg)



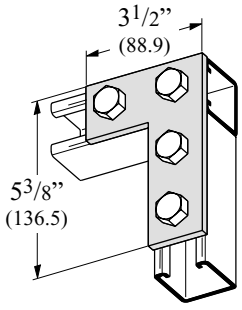
B504
FOUR HOLE SPLICE PLATE
- Standard finishes: ZN, GRN
- Wt./C 73 Lbs. (33.1 kg)



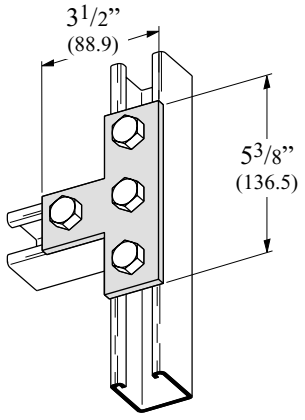
B140
THREE HOLE CORNER PLATE
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 56 Lbs. (25.4 kg)



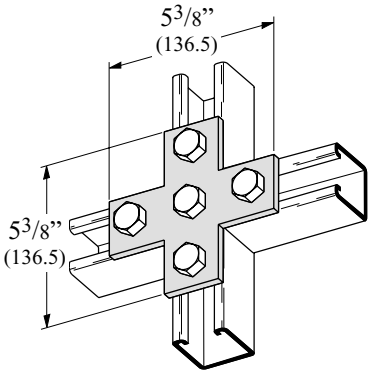
B143
FOUR HOLE CORNER PLATE
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 75 Lbs. (34.0 kg)



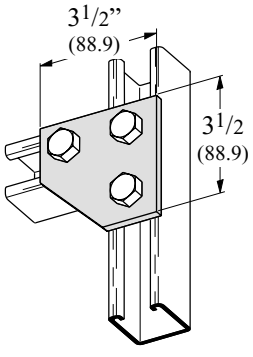
B133
FOUR HOLE TEE PLATE
- Standard finishes: ZN, GRN, HDG, SS4, AL
- Wt./C 75 Lbs. (34.0 kg)



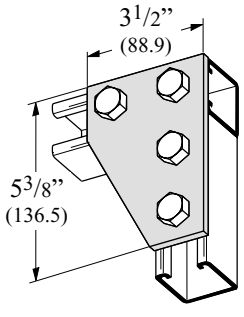
B132
FIVE HOLE CROSS PLATE
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)



B135
THREE HOLE CORNER GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 70 Lbs. (31.7 kg)

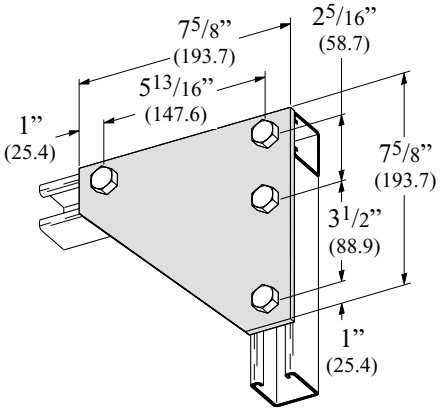


B142
FOUR HOLE CORNER GUSSET PLATE
- Standard finishes: ZN, GRN, HDG
- Wt./C 102 Lbs. (46.2 kg)

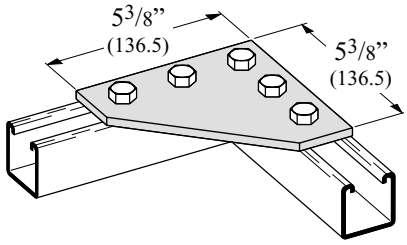


Reference page 58 for general fitting and standard finish specifications.

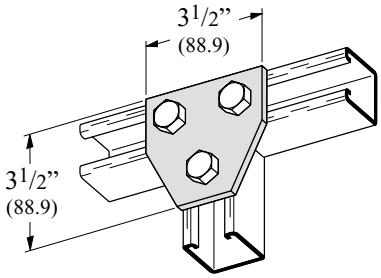
B137
FOUR HOLE CORNER GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 273 Lbs. (123.8 kg)



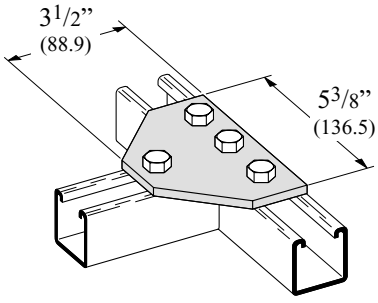
B556
FIVE HOLE CORNER GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 145 Lbs. (65.8 kg)



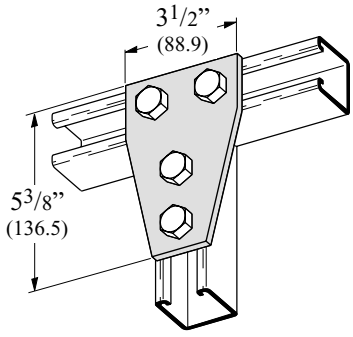
B337
THREE HOLE TEE GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 70 Lbs. (31.7 kg)



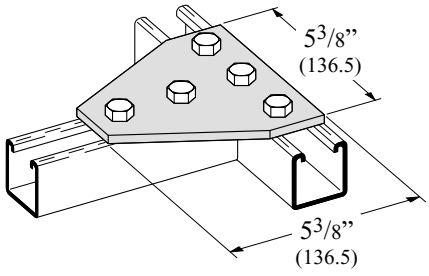
B432
FOUR HOLE TEE GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 100 Lbs. (45.3 kg)



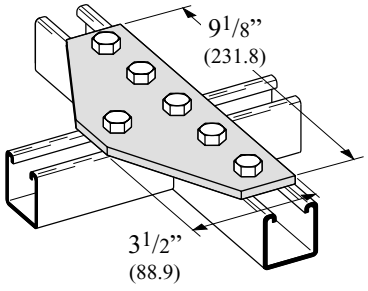
B136
FOUR HOLE TEE GUSSET PLATE
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)



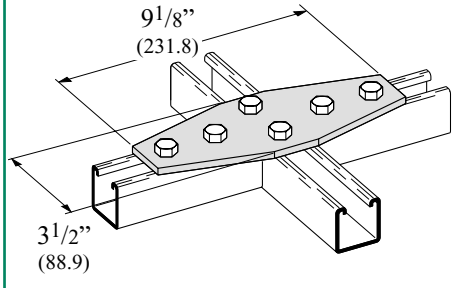
B532
FIVE HOLE TEE GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 143 Lbs. (64.8 kg)



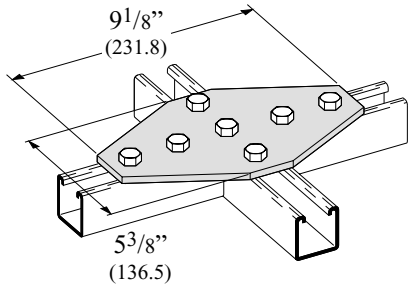
B339
SIX HOLE TEE GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 149 Lbs. (67.6 kg)



B568
SIX HOLE CROSS GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 166 Lbs. (75.3 kg)



B334
SEVEN HOLE CROSS GUSSET PLATE
- Standard finishes: ZN, GRN
- Wt./C 232 Lbs. (105.2 kg)

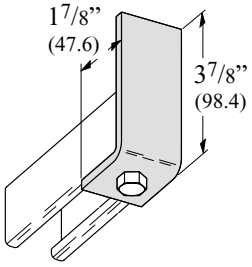


Reference page 58 for general fitting and standard finish specifications.

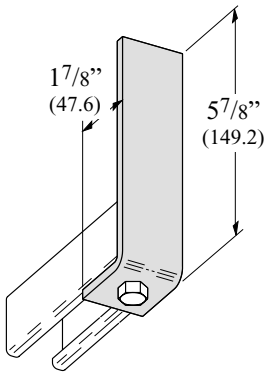
90° ANGLE FITTINGS

B-Line

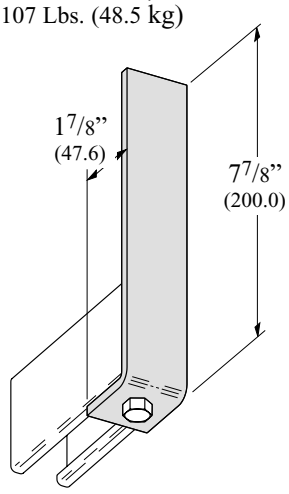
B420-378
ONE HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 60 Lbs. (27.2 kg)



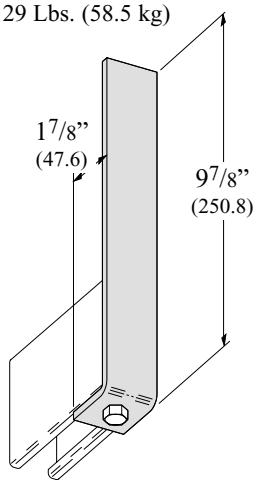
B420-578
ONE HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 85 Lbs. (38.5 kg)



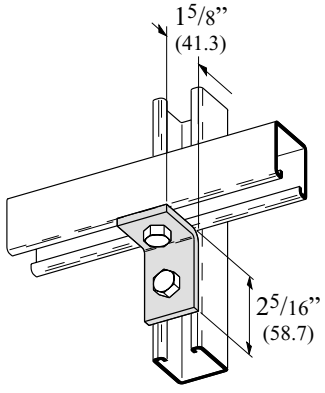
B420-778
ONE HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 107 Lbs. (48.5 kg)



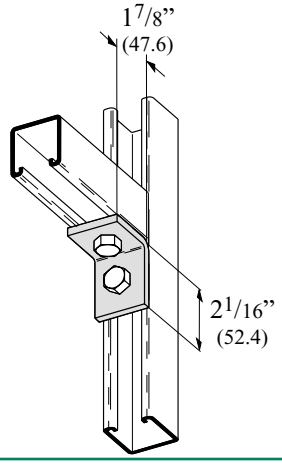
B420-978
ONE HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 129 Lbs. (58.5 kg)



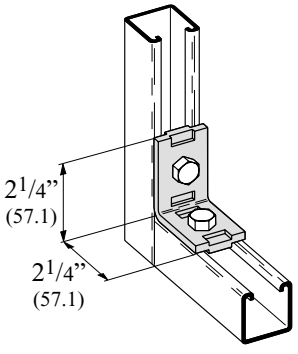
B101
TWO HOLE CORNER ANGLE
•Standard finishes: ZN, GRN, HDG, SS4, AL
•Wt./C 37 Lbs. (16.8 kg)



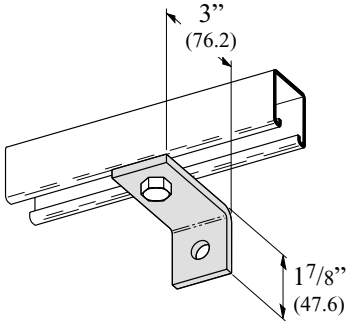
B230
TWO HOLE CORNER ANGLE
•Standard finishes: ZN, GRN, HDG, SS4, AL
•Wt./C 37 Lbs. (16.8 kg)



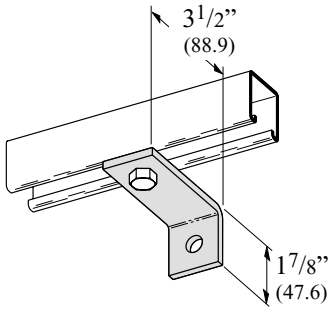
B231
TWO HOLE "NO-TWIST" CORNER ANGLE
•Standard finishes: ZN, GRN, HDG
•Wt./C 41 Lbs. (18.6 kg)



B359
TWO HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 48 Lbs. (21.8 kg)

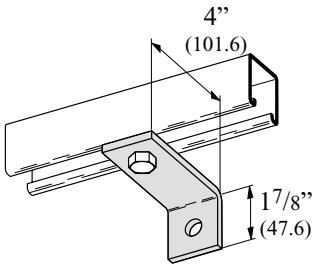


B360
TWO HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 53 Lbs. (24.0 kg)

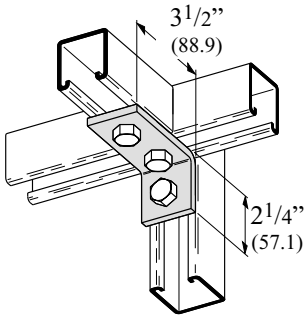


Reference page 58 for general fitting and standard finish specifications.

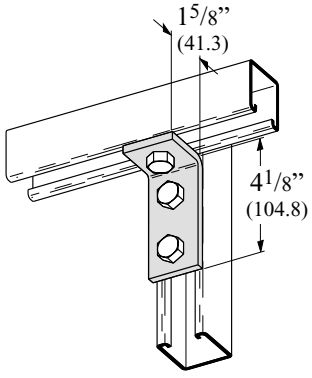
B361
TWO HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 60 Lbs. (27.2 kg)



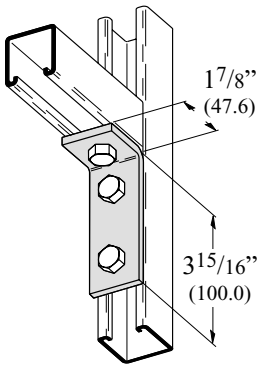
B102
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 56 Lbs. (25.4 kg)



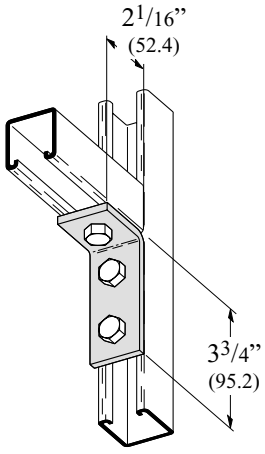
B103
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 56 Lbs. (25.4 kg)



B232
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 56 Lbs. (25.4 kg)

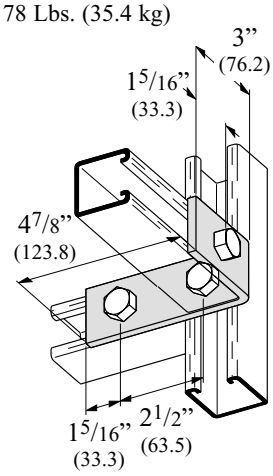


B374
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN, HDG
- Wt./C 56 Lbs. (25.4 kg)

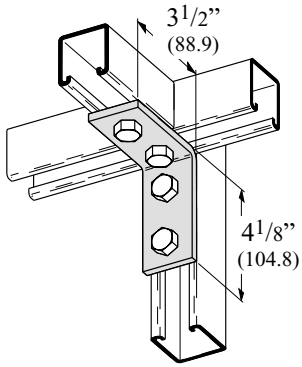


B529
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN

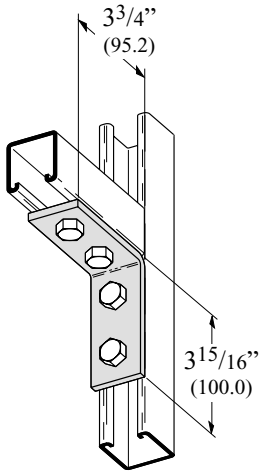
Wt./C 78 Lbs. (35.4 kg)



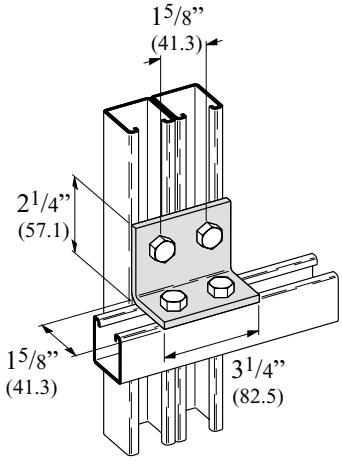
B104
FOUR HOLE CORNER ANGLE
- Standard finishes: ZN, GRN, HDG, SS4, SS6, AL
- Wt./C 78 Lbs. (35.4 kg)



B115
FOUR HOLE CORNER ANGLE
- Standard finishes: ZN, GRN, HDG, SS4, AL
- Wt./C 76 Lbs. (34.5 kg)



B558
FOUR HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 73 Lbs. (33.1 kg)

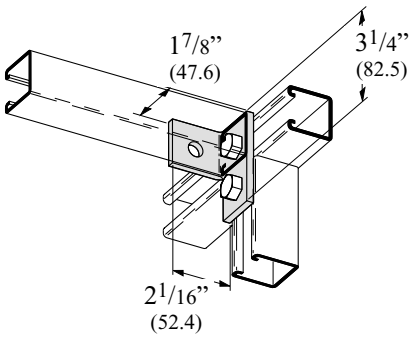


Reference page 58 for general fitting and standard finish specifications.

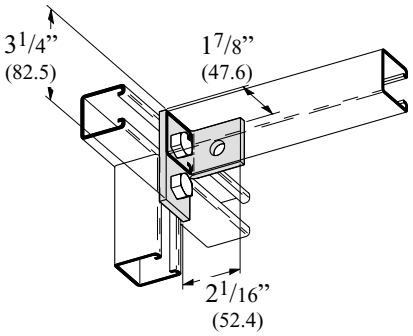
90° ANGLE FITTINGS

B-Line

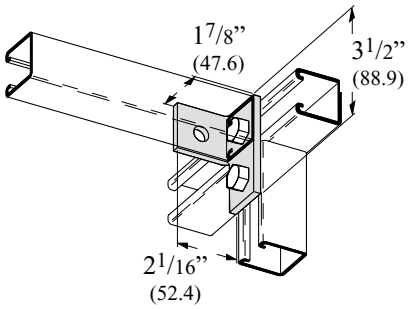
B235R
THREE HOLE (RIGHT HAND) OFFSET BENT ANGLE
- 1 5/8" (41.3) from center to center of the holes that are shown with bolt heads
- Standard finishes: ZN, GRN
- Wt./C 53 Lbs. (24.0 kg)



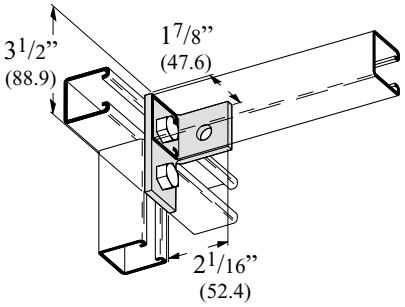
B235L
THREE HOLE (LEFT HAND) OFFSET BENT ANGLE
- 1 5/8" (41.3) from center to center of the holes that are shown with bolt heads
- Standard finishes: ZN, GRN
- Wt./C 53 Lbs. (24.0 kg)



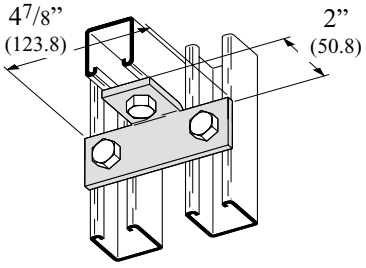
B236R
THREE HOLE (RIGHT HAND) OFFSET BENT ANGLE
- Standard finishes: ZN, GRN
- Wt./C 65 Lbs. (29.5 kg)



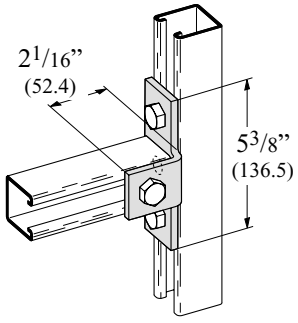
B236L
THREE HOLE (LEFT HAND) OFFSET BENT ANGLE
- Standard finishes: ZN, GRN
- Wt./C 65 Lbs. (29.5 kg)



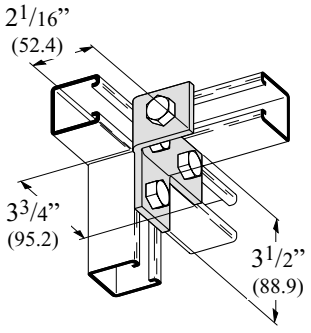
B237
THREE HOLE OFFSET BENT TEE
- Standard finishes: ZN, GRN
- Wt./C 71 Lbs. (32.2 kg)



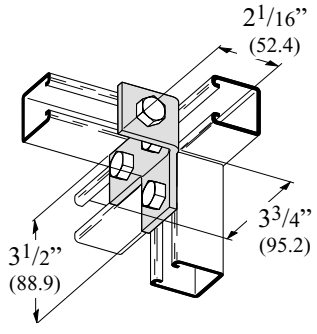
B357
FOUR HOLE OFFSET BENT TEE
- Standard finishes: ZN, GRN
- Wt./C 77 Lbs. (34.9 kg)



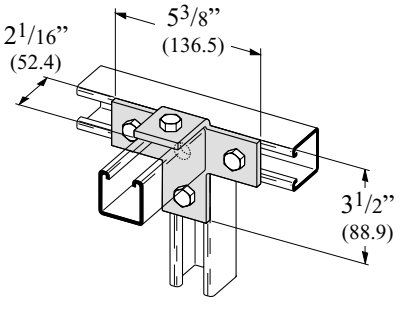
B238R
FOUR HOLE (RIGHT HAND) OFFSET BENT TEE
- Standard finishes: ZN, GRN
- Wt./C 76 Lbs. (34.5 kg)



B238L
FOUR HOLE (LEFT HAND) OFFSET BENT TEE
- Standard finishes: ZN, GRN
- Wt./C 76 Lbs. (34.5 kg)

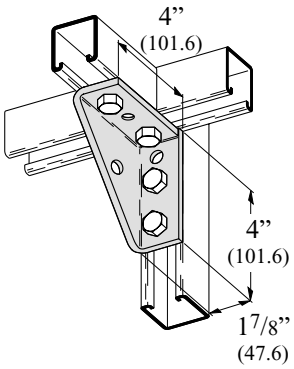


B239
FIVE HOLE OFFSET BENT TEE
- Standard finishes: ZN, GRN
- Wt./C 96 Lbs. (43.5 kg)

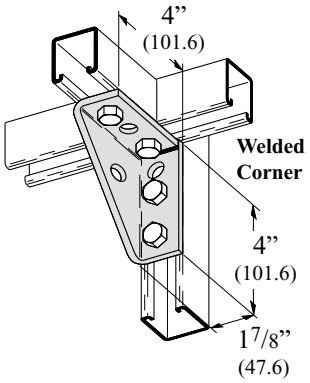


Reference page 58 for general fitting and standard finish specifications.

B844
UNIVERSAL SHELF BRACKET
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 132 Lbs. (59.9 kg)

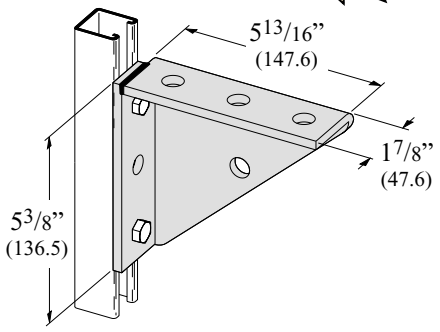


B844W
UNIVERSAL SHELF BRACKET-WELDED
- Standard finishes: ZN, GRN
- Wt./C 134 Lbs. (60.8 kg)

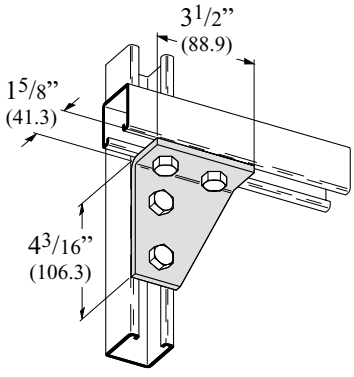


B888W
UNIVERSAL SHELF BRACKET-WELDED
- Standard finishes: ZN, GRN
- Wt./C 197 Lbs. (89.4 kg)

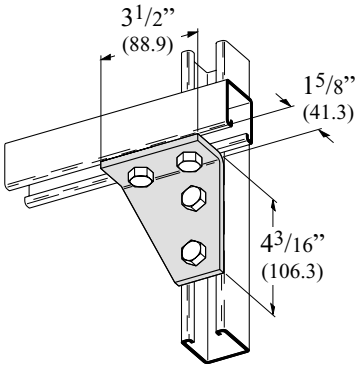
NEW



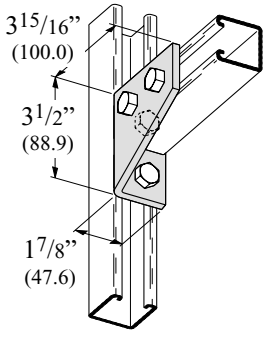
B234R
FOUR HOLE (RIGHT HAND) CORNER GUSSET
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)



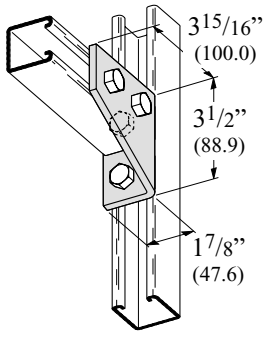
B234L
FOUR HOLE (LEFT HAND) CORNER GUSSET
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)



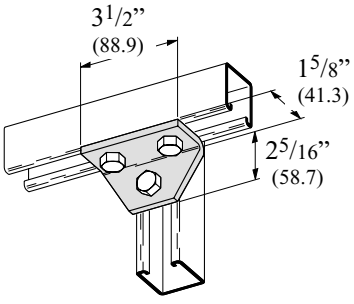
B134R
FOUR HOLE (RIGHT HAND) CORNER GUSSET
- Standard finishes: ZN, GRN
- Wt./C 100 Lbs. (45.3 kg)



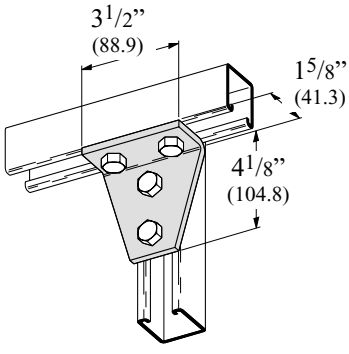
B134L
FOUR HOLE (LEFT HAND) CORNER GUSSET
- Standard finishes: ZN, GRN
- Wt./C 100 Lbs. (45.3 kg)



B125
THREE HOLE GUSSETTED SHELF ANGLE
- Standard finishes: ZN, GRN
- Wt./C 67 Lbs. (30.4 kg)



B118
FOUR HOLE GUSSETTED SHELF ANGLE
- Standard finishes: ZN, GRN, HDG
- Wt./C 102 Lbs. (46.2 kg)

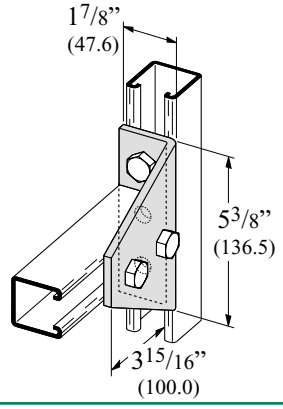


Reference page 58 for general fitting and standard finish specifications.

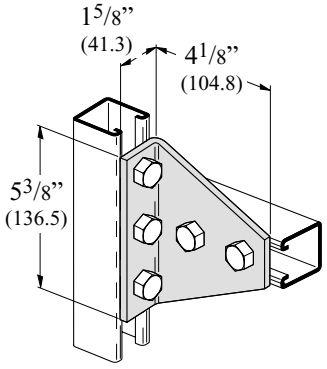
90° ANGLE FITTINGS

B-Line

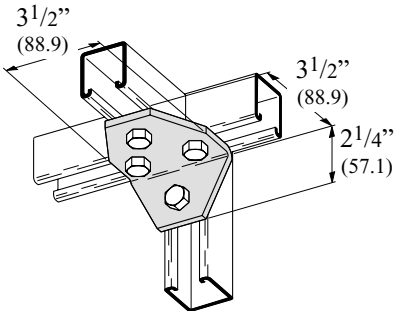
B485
FOUR HOLE GUSSETTED SHELF ANGLE
- Standard finishes: ZN, GRN
- Wt./C 148 Lbs. (67.1 kg)



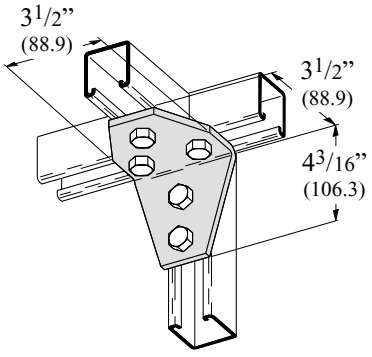
B533
FIVE HOLE GUSSETTED SHELF ANGLE
- Standard finishes: ZN, GRN
- Wt./C 141 Lbs. (63.9 kg)



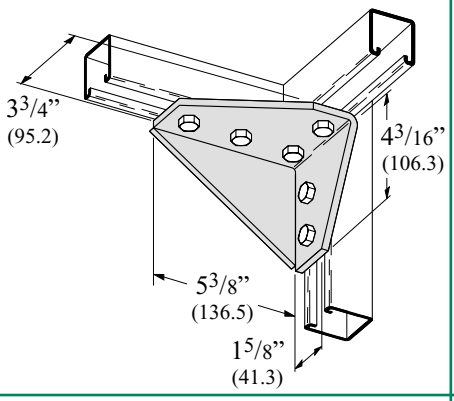
B126
FIVE HOLE GUSSETTED THREE WAY SHELF ANGLE
- Standard finishes: ZN, GRN
- Wt./C 101 Lbs. (45.8 kg)



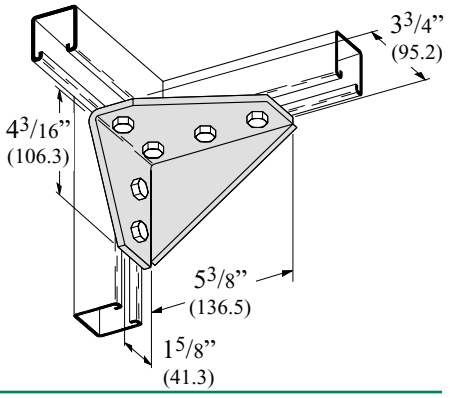
B127
FIVE HOLE GUSSETTED THREE WAY SHELF ANGLE
- Standard finishes: ZN, GRN
- Wt./C 135 Lbs. (61.2 kg)



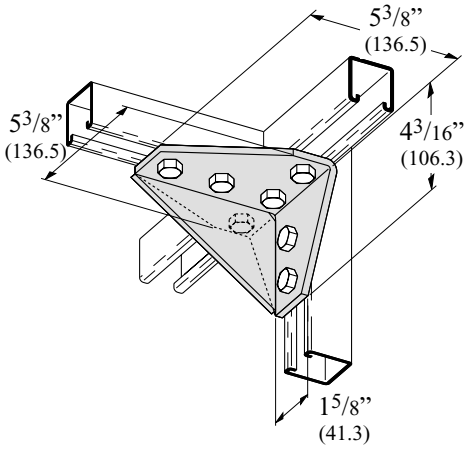
B503R
SIX HOLE (RIGHT HAND) GUSSETTED CORNER CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 229 Lbs. (103.9 kg)



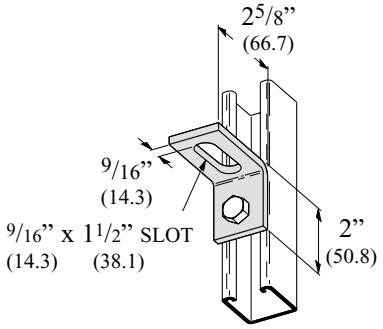
B503L
SIX HOLE (LEFT HAND) GUSSETTED CORNER CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 229 Lbs. (103.9 kg)



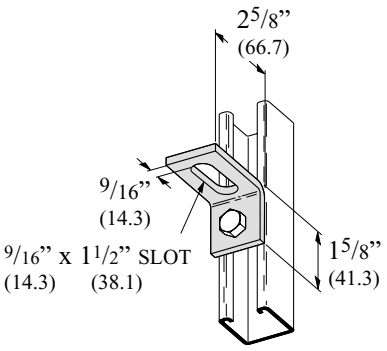
B663
SEVEN HOLE GUSSETTED CORNER CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 289 Lbs. (131.1 kg)



B371
TWO HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 41 Lbs. (18.6 kg)

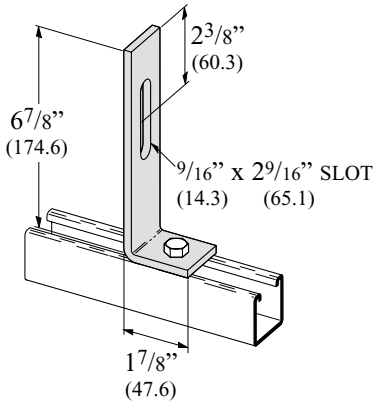


B372
TWO HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 38 Lbs. (17.2 kg)

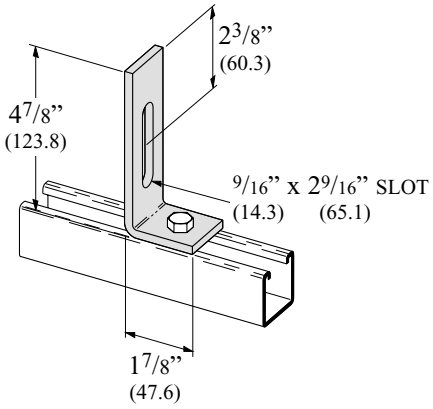


Reference page 58 for general fitting and standard finish specifications.

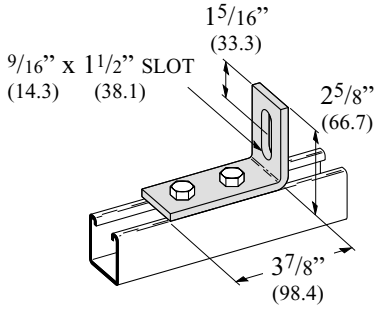
B496
TWO HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 85 Lbs. (38.5 kg)



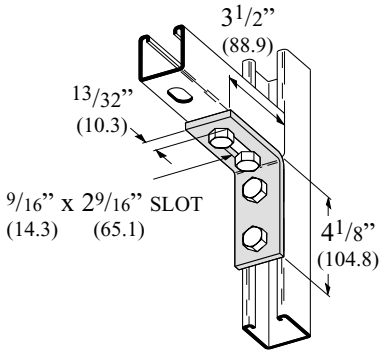
B496-1
TWO HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN, HDG
- Wt./C 58 Lbs. (26.3 kg)



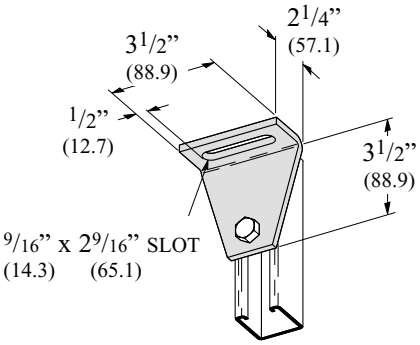
B371-2
THREE HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 61 Lbs. (27.6 kg)



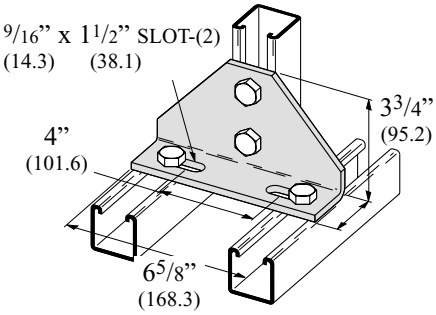
B104SH
THREE HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 68 Lbs. (30.8 kg)



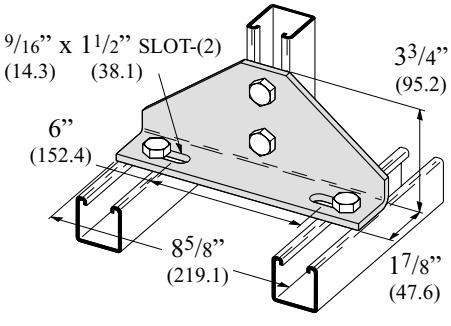
B461
TWO HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 87 Lbs. (39.4 kg)



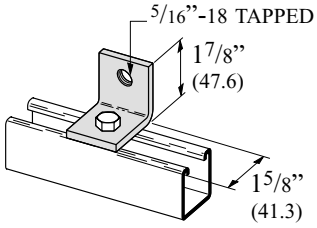
B112
FOUR HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 180 Lbs. (81.6 kg)



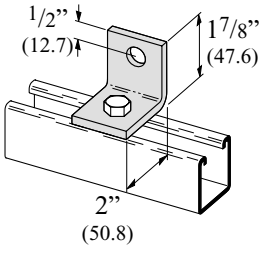
B113
FOUR HOLE ADJUSTABLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 256 Lbs. (116.1 kg)



B109S
TWO HOLE TAPPED CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 33 Lbs. (14.9 kg)



B521
TWO HOLE BUS DUCT ANGLE
- Standard finishes: ZN, GRN
- Wt./C 37 Lbs. (16.8 kg)



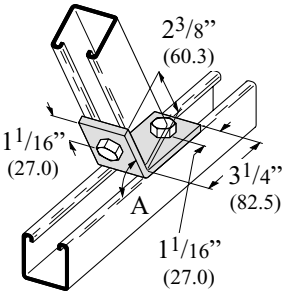
Reference page 58 for general fitting and standard finish specifications.

ANGULAR FITTINGS

B-Line

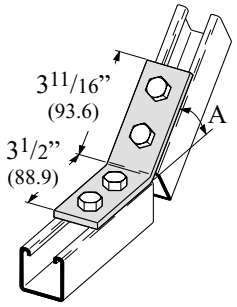
B147-B152
TWO HOLE OPEN ANGLE
•Standard finishes: ZN, GRN

Part No.	A	Wt./C Lbs.	kg
B147	82 1/2°	63	(28.6)
B148	75°		
B149	67 1/2°		
B150	60°		
B151	52 1/2°		
B152	37 1/2°		



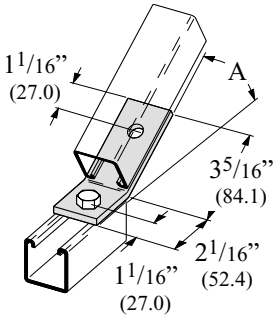
B243-B253
FOUR HOLE OPEN ANGLE
•Standard finishes: ZN, GRN

Part No.	A	Wt./C Lbs.	kg
B243	7 1/2°	77	(34.9)
B244	15°		
B245	22 1/2°		
B246	30°		
B247	37 1/2°		
B248	45°		
B249	52 1/2°		
B250	60°		
B251	67 1/2°		
B252	75°		
B253	82 1/2°		



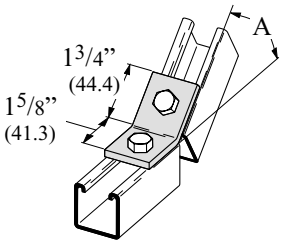
B162-B165
TWO HOLE OPEN ANGLE
•Standard finishes: ZN, GRN

Part No.	A	Wt./C Lbs.	kg
B162	30°	59	(26.7)
B163	22 1/2°		
B164	15°		
B165	7 1/2°		

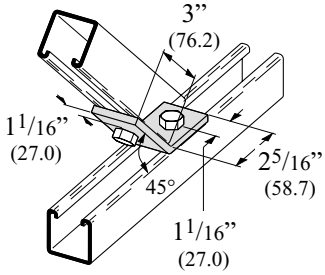


B322-B332
TWO HOLE OPEN SHORT ANGLE
•Standard finishes: ZN, GRN

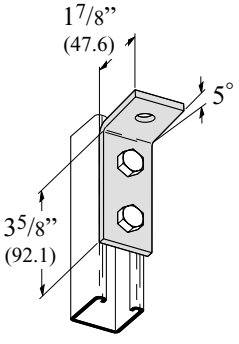
Part No.	A	Wt./C Lbs.	kg
B322	7 1/2°	35	(15.9)
B323	15°		
B324	22 1/2°		
B325	30°		
B326	37 1/2°		
B327	45°		
B328	52 1/2°		
B329	60°		
B330	67 1/2°		
B331	75°		
B332	82 1/2°		



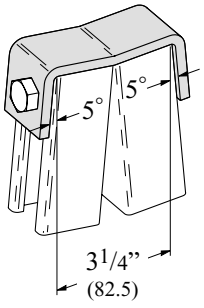
B154
TWO HOLE OPEN ANGLE
•Standard finishes: ZN, GRN, SS4
•Wt./C 58 Lbs. (26.3 kg)



B522
THREE HOLE 95° OPEN ANGLE FITTING
•Standard finishes: ZN, GRN
•Wt./C 54 Lbs. (24.5 kg)

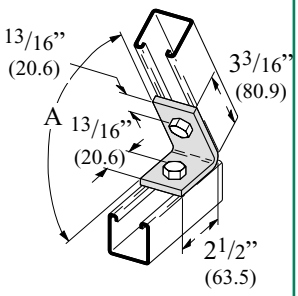


B488
TWO HOLE LEG CONNECTION
•Standard finishes: ZN, GRN
•Wt./C 100 Lbs. (45.3 kg)



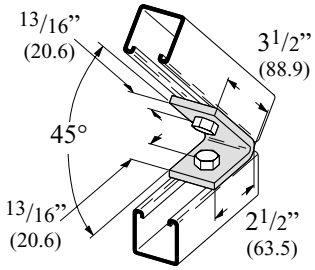
Reference page 58 for general fitting and standard finish specifications.

B156 - B161
TWO HOLE CLOSED ANGLE
•Standard finishes: ZN, GRN

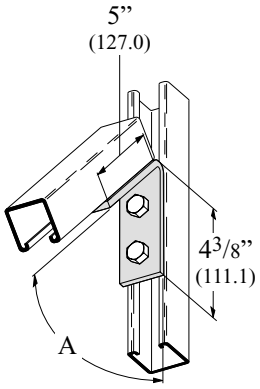


Part No.	A	Wt./C Lbs.	kg
B156	82 1/2°	56	(25.4)
B157	75°		
B158	67 1/2°		
B159	60°		
B160	52 1/2°		
B161	37 1/2°		

B155
TWO HOLE CLOSED ANGLE
•Standard finishes: ZN, GRN, HDG, SS4
•Wt./C 63 Lbs. (28.6 kg)

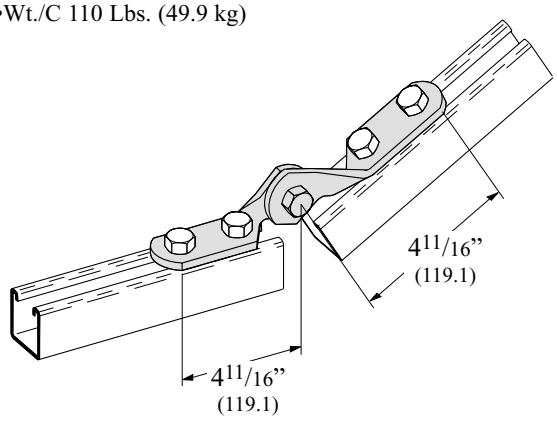


B363 - B369
FOUR HOLE CLOSED ANGLE
•Standard finishes: ZN, GRN

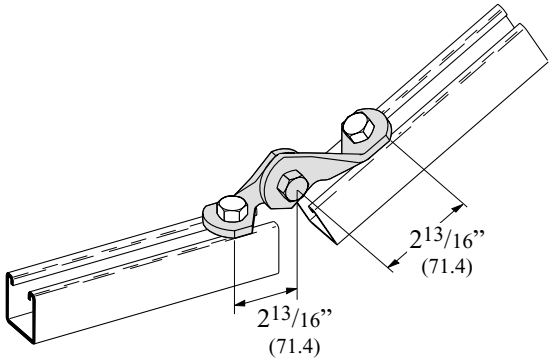


Part No.	A	Wt./C Lbs.	kg
B363	82 1/2°	95	(43.1)
B364	75°		
B365	67 1/2°		
B366	60°		
B367	52 1/2°		
B368	45°		
B369	37 1/2°		

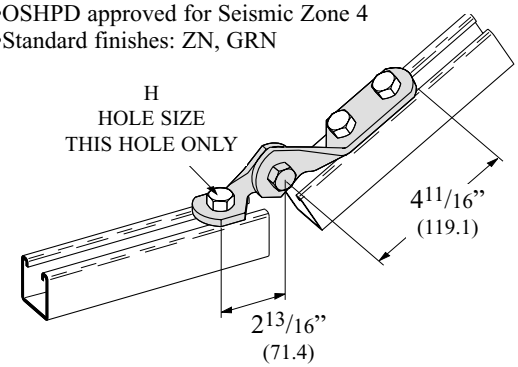
B335
FOUR HOLE ADJUSTABLE HINGE
•Standard finishes: ZN, GRN
•Wt./C 110 Lbs. (49.9 kg)



B335-1
TWO HOLE ADJUSTABLE HINGE
•Standard finishes: ZN, GRN
•Wt./C 78 Lbs. (35.4 kg)



B335-2 SERIES
THREE HOLE ADJUSTABLE HINGE
•OSHPD approved for Seismic Zone 4
•Standard finishes: ZN, GRN



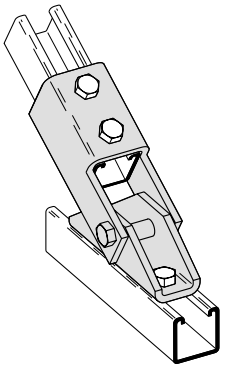
Part No. & Size	Hole Size H		Wt./C Lbs.	kg
B335-2-3/8	7/16"	(11.1)	96	(43.2)
B335-2-1/2	9/16"	(14.3)	94	(42.3)
B335-2-5/8	11/16"	(17.4)	92	(41.4)
B335-2-3/4	13/16"	(20.6)	90	(40.5)

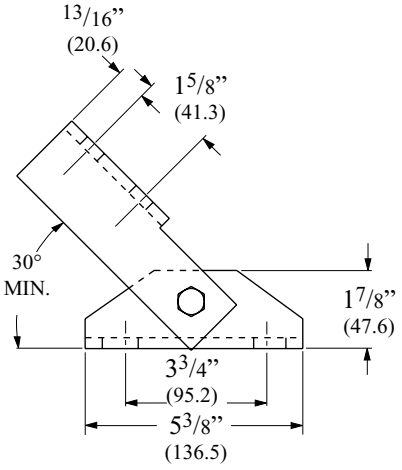
Reference page 58 for general fitting and standard finish specifications.

ANGULAR FITTINGS

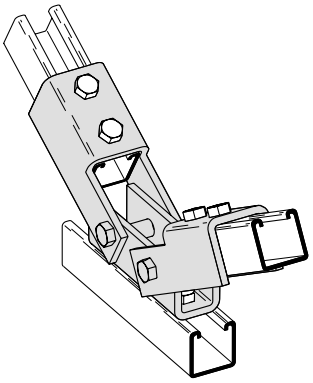
B-Line

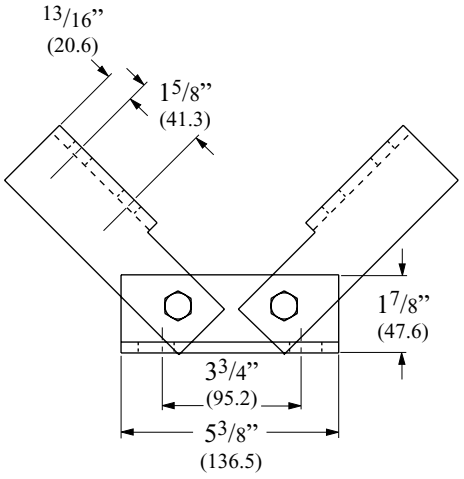
B634
SINGLE CHANNEL ADJUSTABLE BRACE
•Standard finishes: ZN, GRN
•Wt./C 306 Lbs. (138.8 kg)



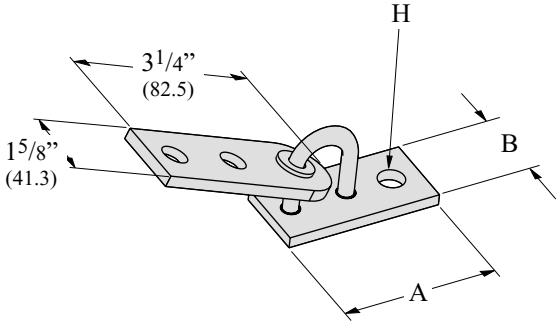


B635
DOUBLE CHANNEL ADJUSTABLE BRACE
•Standard finishes: ZN, GRN
•Wt./C 518 Lbs. (234.9 kg)





B633
ADJUSTABLE SEISMIC HINGE FITTING
•OSHPD approved for Seismic Zone 4 except for B633-1.
•Use 1/2" Bolt & Channel Nut on two hole side of Connector Fitting (Torque to 50 ft.-lbs.)
•Allows for swivel in two planes.
•Standard finish: ZN

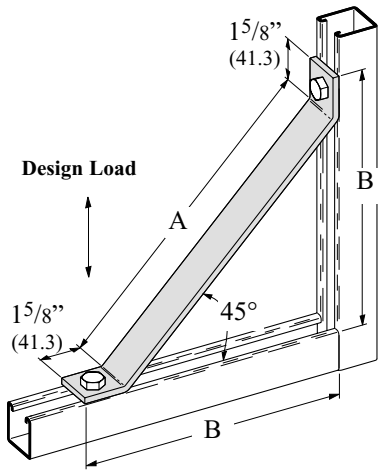


Part No. & Size	A	B	Hole Size H		Wt./C Lbs.	kg
B633-1/2	3 1/2"	1 5/8"	9/16"	(14.3)	92	(41.4)
B633-5/8	3 1/2"	1 5/8"	11/16"	(17.4)	97	(43.6)
B633-3/4	3 1/2"	1 5/8"	13/16"	(20.6)	95	(42.7)
B633-7/8	3 9/16"	2"	15/16"	(23.8)	107	(48.5)
B633-1	3 9/16"	2"	1 1/16"	(27.0)	120	(54.0)
B633-1 1/8	3 9/16"	2"	1 3/16"	(30.2)	104	(47.2)
B633-1 1/4	3 7/8"	2 1/4"	1 5/16"	(33.3)	114	(51.7)

Reference page 58 for general fitting standard finish specifications.

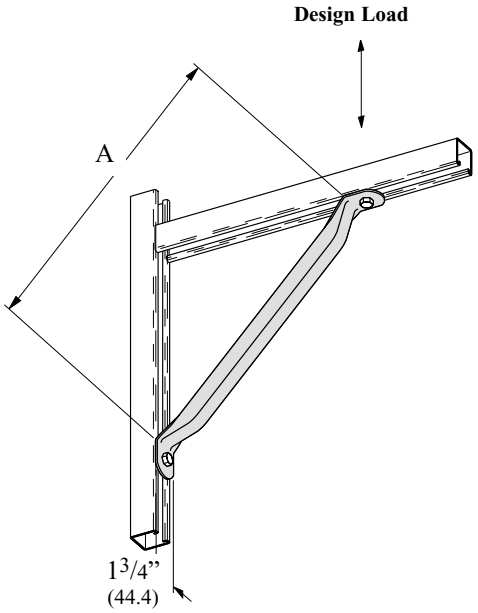
B261
TWO HOLE 45° KNEE BRACE
•Standard finishes: ZN, GRN
•Design load determined by testing using a B335 hinged corner connection.
•Load ratings are for brace members only. Do not exceed allowable beam or column loads for strut channels.
•Safety Factor of 3

Part No.	A	(A)	B	(B)	Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B261-8	8”	(203.2)	7 3/8”	(187.3)	1500	(6.67)	119	(54.0)
B261-12	12”	(304.8)	10 1/8”	(257.2)	1020	(4.54)	165	(74.8)
B261-16	16 5/8”	(422.3)	13 3/8”	(339.7)	530	(2.36)	218	(98.9)
B261-18	18”	(457.2)	14 7/16”	(366.7)	450	(2.00)	234	(106.1)
B261-23	23 3/16”	(589.0)	18 1/8”	(460.4)	270	(1.20)	294	(133.4)
B261-24	24”	(609.6)	18 11/16”	(474.7)	250	(1.11)	303	(137.4)
B261-36	36”	(914.4)	27 3/16”	(690.6)	110	(.49)	441	(200.0)
B261-48	48”	(1219.2)	35 11/16”	(906.5)	60	(.27)	579	(262.6)



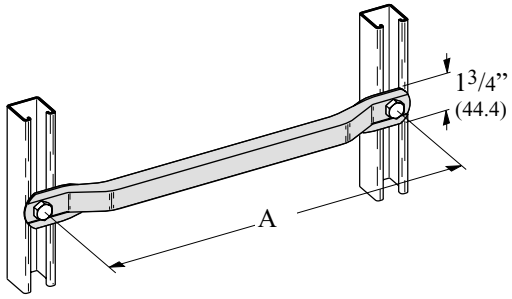
B631
TWO HOLE 45° TUBING KNEE BRACE
•1” (25.4) Square steel tubing
•Material: ASTM A513
•Standard finishes: ZN, GRN
•Design load determined by testing using a B335 hinged corner connection.
•Load ratings are for brace members only. Do not exceed allowable beam or column loads for strut channels.
•Safety Factor of 3

Part No.	A	(A)	Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B631-18	18”	(457.2)	1500	(6.67)	145	(65.8)
B631-24	24”	(609.6)	1500	(6.67)	186	(84.4)
B631-30	30”	(762.0)	1500	(6.67)	225	(102.0)
B631-36	36”	(914.4)	1500	(6.67)	266	(120.6)
B631-42	42”	(1066.8)	1230	(5.47)	307	(139.2)
B631-48	48”	(1219.2)	940	(4.18)	348	(157.8)
B631-54	54”	(1371.6)	740	(3.29)	389	(176.4)
B631-60	60”	(1524.0)	600	(2.67)	430	(195.0)
B631-72	72”	(1828.8)	420	(1.87)	508	(230.4)
B631-84	84”	(2133.6)	310	(1.38)	589	(267.2)
B631-96	96”	(2438.4)	240	(1.07)	669	(303.5)



B632
TWO HOLE STRAIGHT TUBING BRACE
•1” (25.4) Square steel tubing
•Material: ASTM A513
•Standard finishes: ZN, GRN

Part No.	A	(A)	Wt./C Lbs.	Wt./C kg
B632-18	18”	(457.2)	133	(60.3)
B632-24	24”	(609.6)	174	(78.9)
B632-30	30”	(762.0)	215	(97.5)
B632-36	36”	(914.4)	256	(116.1)
B632-42	42”	(1066.8)	295	(133.8)
B632-48	48”	(1219.2)	335	(151.9)
B632-54	54”	(1371.6)	380	(172.3)
B632-60	60”	(1524.0)	420	(190.5)
B632-72	72”	(1828.8)	500	(226.8)
B632-84	84”	(2133.6)	585	(265.3)
B632-96	96”	(2438.4)	670	(303.9)

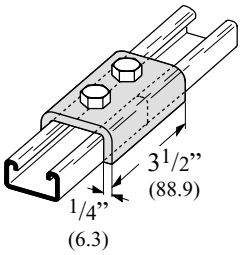


Reference page 58 for general fitting and standard finish specifications.

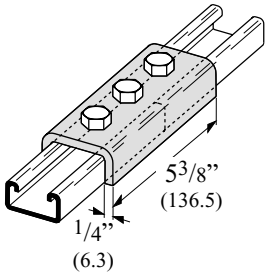
CLEVIS FITTINGS

B-Line

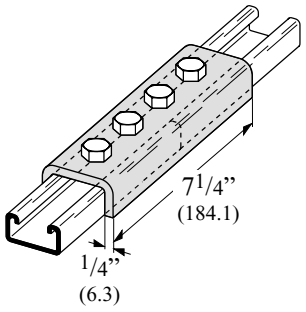
B169
TWO HOLE SPLICE CLEVIS FOR B52
- Standard finishes: ZN, GRN
- Wt./C 84 Lbs. (38.1 kg)



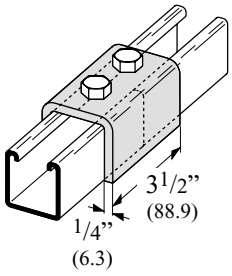
B168
THREE HOLE SPLICE CLEVIS FOR B52
- Standard finishes: ZN, GRN
- Wt./C 126 Lbs. (57.1 kg)



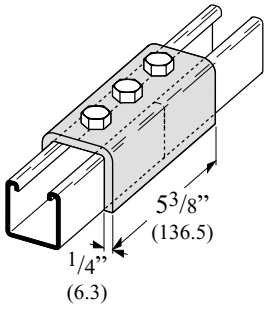
B167
FOUR HOLE SPLICE CLEVIS FOR B52
- Standard finishes: ZN, GRN
- Wt./C 178 Lbs. (80.7 kg)



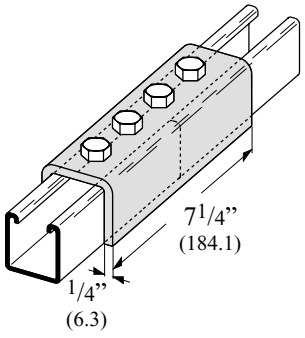
B170
TWO HOLE SPLICE CLEVIS FOR B22 OR B52A
- Standard finishes: ZN, GRN
- Wt./C 123 Lbs. (55.8 kg)



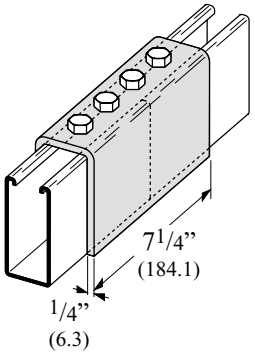
B171
THREE HOLE SPLICE CLEVIS FOR B22 OR B52A
- Standard finishes: ZN, GRN
- Wt./C 195 Lbs. (88.4 kg)



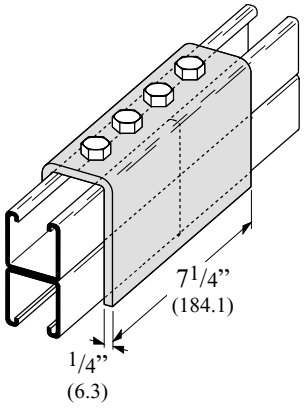
B172
FOUR HOLE SPLICE CLEVIS FOR B22 OR B52A
- Standard finishes: ZN, GRN
- Wt./C 266 Lbs. (120.6 kg)



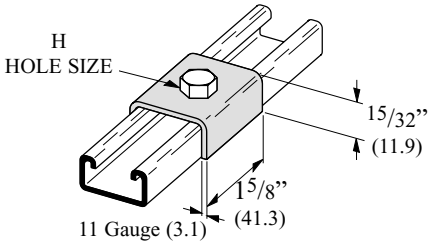
B172-12
FOUR HOLE SPLICE CLEVIS FOR B12
- Standard finishes: ZN, GRN
- Wt./C 326 Lbs. (147.8 kg)



B172-22A
FOUR HOLE SPLICE CLEVIS FOR B11 OR B22A
- Standard finishes: ZN, GRN
- Wt./C 406 Lbs. (184.1 kg)



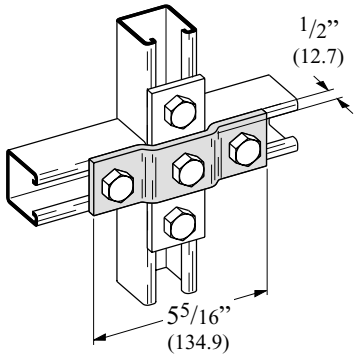
B450
U-WASHER
- Material: ASTM A607 Gr. 50
- Standard finishes: ZN, GRN



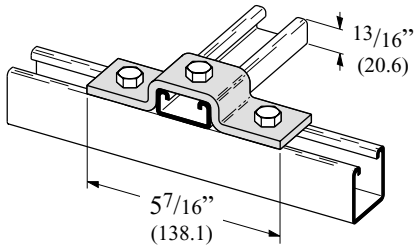
Part No. & Size	Hole Size H		Wt./C Lbs.	kg
B450-1/4	5/16"	(7.9)	14	(6.3)
B450-3/8	7/16"	(11.1)	14	(6.3)
B450-1/2	9/16"	(14.3)	13	(5.8)
B450-5/8	11/16"	(17.4)	13	(5.8)
B450-3/4	13/16"	(20.6)	13	(5.8)

Reference page 58 for general fitting and standard finish specifications.

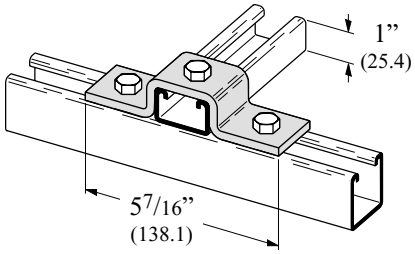
B527
THREE HOLE OFFSET PLATE CONNECTION
•Standard finishes: ZN, GRN
•Wt./C 54 Lbs. (24.5 kg)



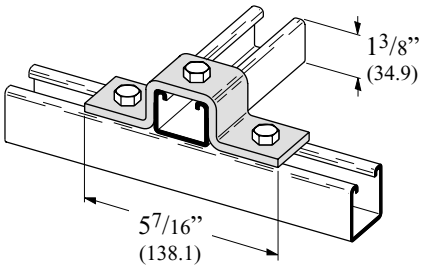
B116-52
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 70 Lbs. (31.7 kg)



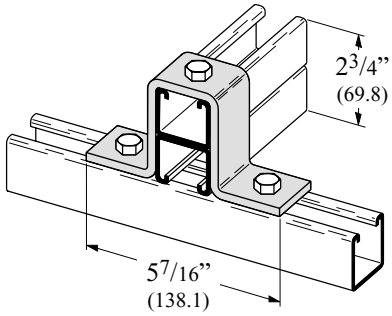
B116-42
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 75 Lbs. (34.0 kg)



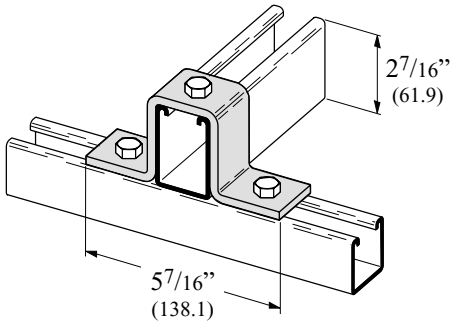
B116-32
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 84 Lbs. (38.1 kg)



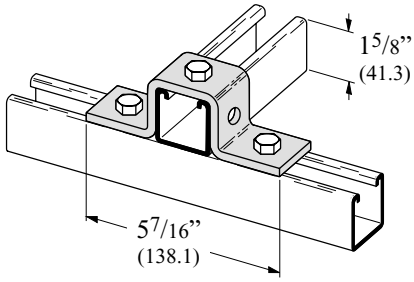
B116-32A
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 116 Lbs. (52.6 kg)



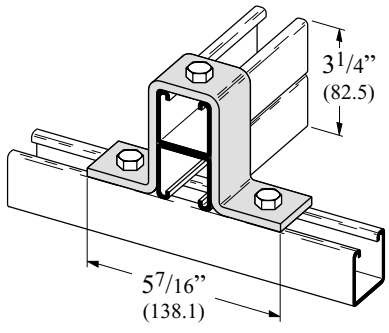
B116-12
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 108 Lbs. (49.0 kg)



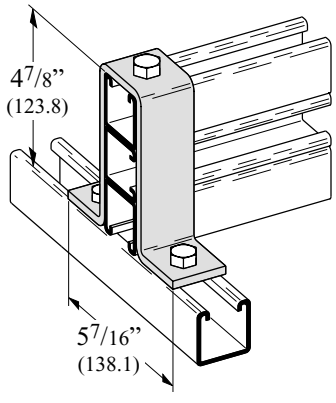
B107
FIVE HOLE U-SUPPORT
•Standard finishes: ZN, GRN, HDG
•Wt./C 85 Lbs. (38.5 kg)



B107-22A
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 126 Lbs. (57.1 kg)



B588
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 157 Lbs. (71.2 kg)

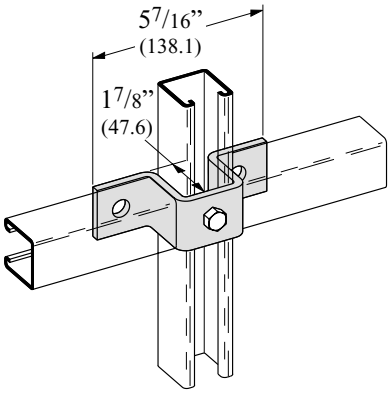


Reference page 58 for general fitting and standard finish specifications.

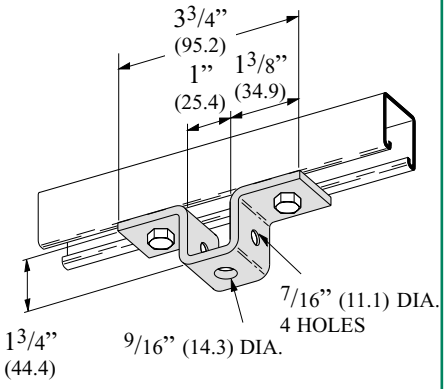
U-FITTINGS

B-Line

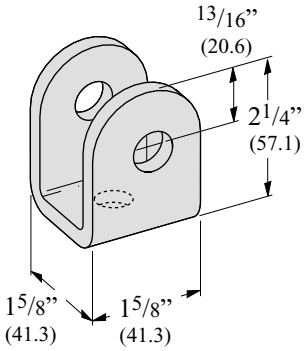
B412
THREE HOLE OFFSET U-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 89 Lbs. (40.3 kg)



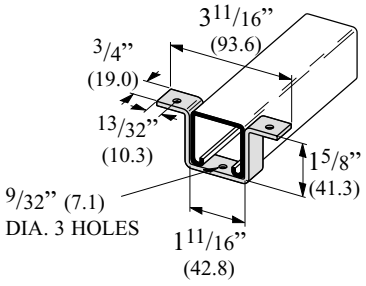
B107S
FIVE HOLE U-SUPPORT
- Material: 7 Gauge (4.5) ASTM A507 Gr. 33
- Standard finishes: ZN, GRN
- Wt./C 51 Lbs. (23.1 kg)



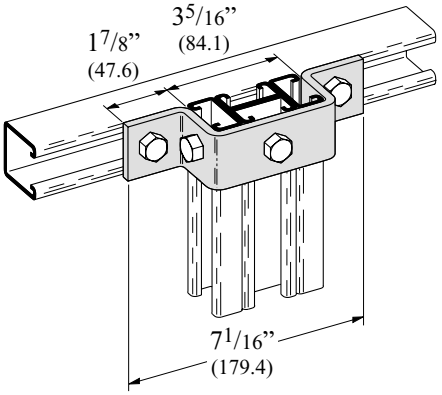
B596
THREE HOLE SWIVEL CLEVIS
- Standard finishes: ZN, GRN
- Wt./C 53 Lbs. (24.0 kg)



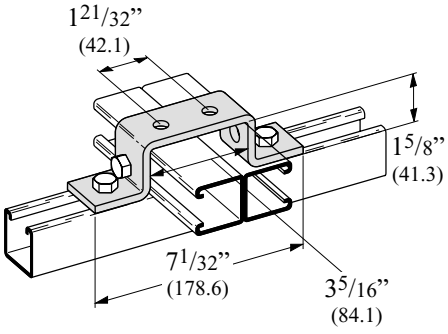
B578
THREE HOLE LIGHT-WEIGHT U-SUPPORT
- Material: 10 Gauge (3.4) ASTM A507 Gr. 33
- Standard finishes: ZN, GRN
- Wt./C 18 Lbs. (8.1 kg)



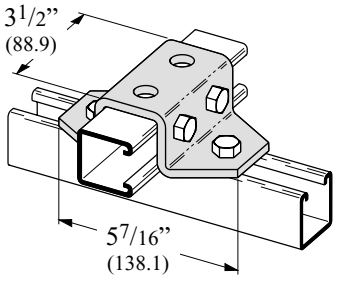
B594
FIVE HOLE U-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 106 Lbs. (48.1 kg)



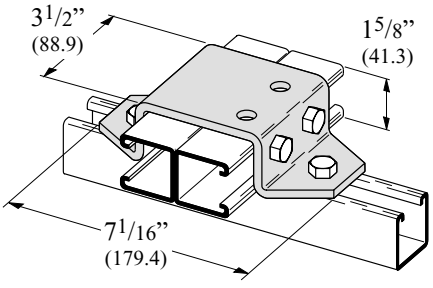
B266
SIX HOLE U-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 105 Lbs. (47.6 kg)



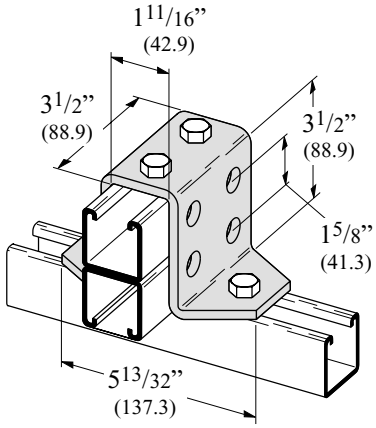
B425
SIX HOLE U-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 167 Lbs. (75.7 kg)



B581
EIGHT HOLE U-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 201 Lbs. (91.2 kg)

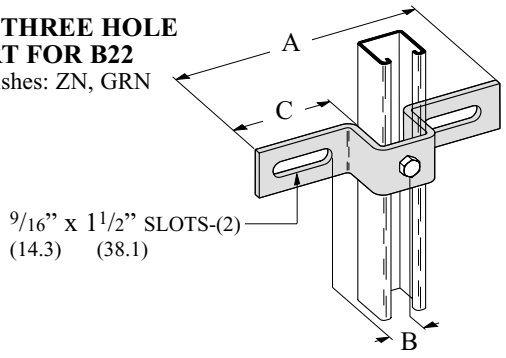


B519
EIGHT HOLE U-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 266 Lbs. (102.5 kg)



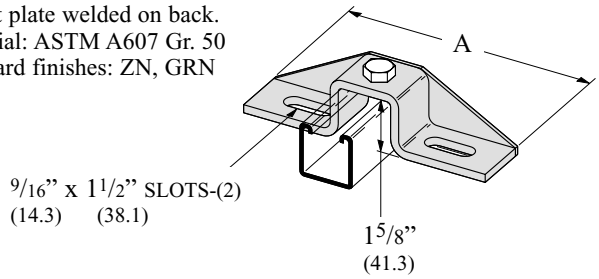
Reference page 58 for general fitting and standard finish specifications.

B333
SLOTTED THREE HOLE U-SUPPORT FOR B22
•Standard finishes: ZN, GRN



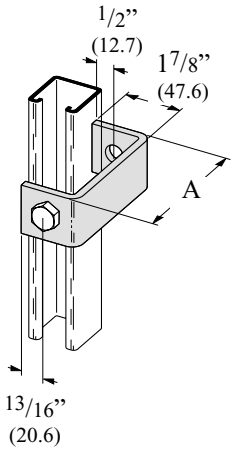
Part No.	A	(A)	B	(B)	C	(C)	Wt./C Lbs.	Wt./C kg
B333-1	7 1/2"	(190.5)	15/16"	(33.3)	2 7/8"	(73.0)	103	(46.7)
B333-2	8 1/2"	(215.9)	1 15/16"	(49.2)	3 3/8"	(85.7)	115	(52.1)
B333-3	10 3/8"	(263.5)	2 7/8"	(73.0)	4 5/16"	(109.5)	135	(61.2)

B451
SLOTTED THREE HOLE U-SUPPORT WITH GUSSET FOR B22
•Consists of B333-1, 2, or 3 with gusset plate welded on back.
•Material: ASTM A607 Gr. 50
•Standard finishes: ZN, GRN



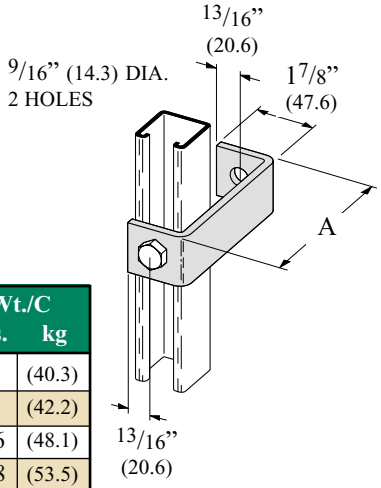
Part No.	A	(A)	Wt./C Lbs.	Wt./C kg
B451-1	7 1/2"	(190.5)	137	(62.1)
B451-2	8 1/2"	(215.9)	156	(70.7)
B451-3	10 3/8"	(263.5)	172	(78.0)

B408
TWO HOLE BUS DUCT CLEVIS
•Standard finishes: ZN, GRN



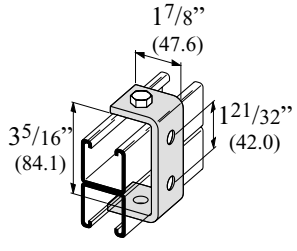
Part No.	A	(A)	Wt./C Lbs.	Wt./C kg
B408-1	2 13/32"	(61.1)	58	(26.3)
B408-2	3 25/32"	(96.0)	76	(34.5)
B408-3	4 3/4"	(762.0)	88	(39.9)

B358
TWO HOLE CLEVIS
•Standard finishes: ZN, GRN

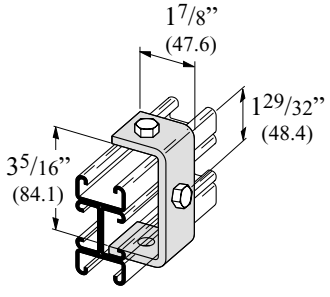


Part No.	A	(A)	Wt./C Lbs.	Wt./C kg
B358-4	4"	(101.6)	89	(40.3)
B358-5	5"	(127.0)	93	(42.2)
B358-6	6"	(152.4)	106	(48.1)
B358-7	7"	(177.8)	118	(53.5)
B358-8	8"	(203.2)	132	(59.9)

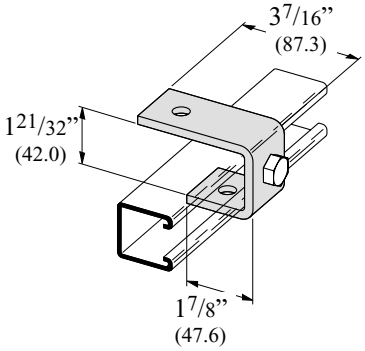
B173
FOUR HOLE CLEVIS
•Standard finishes: ZN, GRN
•Wt./C 71 Lbs. (32.2 kg)



B595
THREE HOLE CLEVIS
•Standard finishes: ZN, GRN
•Wt./C 75 Lbs. (34.0 kg)

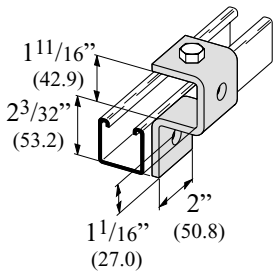


B405
THREE HOLE SUSPENSION CLEVIS
•Standard finishes: ZN, GRN
•Wt./C 75 Lbs. (34.0 kg)

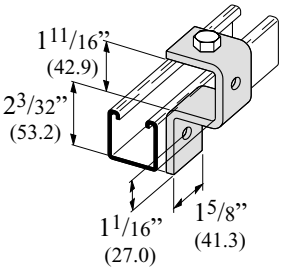


Reference page 58 for general fitting and standard finish specifications.

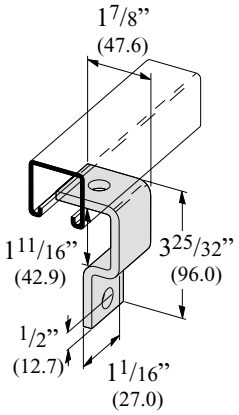
B398
THREE HOLE CUP SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 88 Lbs. (39.9 kg)



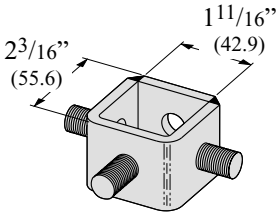
B398-1
THREE HOLE CUP SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 73 Lbs. (33.1 kg)



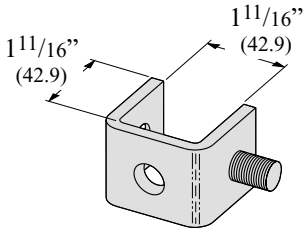
B415
TWO HOLE BUS DUCT CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 56 Lbs. (25.4 kg)



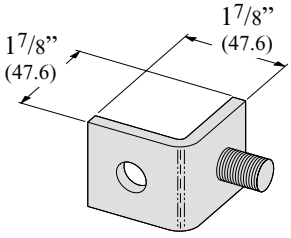
B400
THREE STUD RING CONNECTION
- 1/2"-13 stud protrudes 1"
- Standard finishes: ZN
- Wt./C 85 Lbs. (38.5 kg)



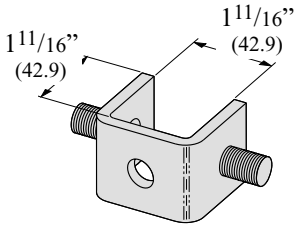
B400-1
ONE STUD RING CONNECTION
- 1/2"-13 stud protrudes 1"
- Standard finishes: ZN
- Wt./C 53 Lbs. (24.0 kg)



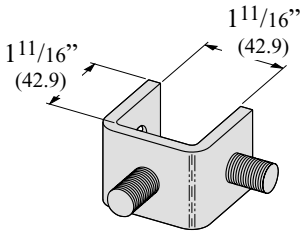
B400-2
ONE STUD RING CONNECTION
- 1/2"-13 stud protrudes 1"
- Standard finishes: ZN
- Wt./C 40 Lbs. (18.1 kg)



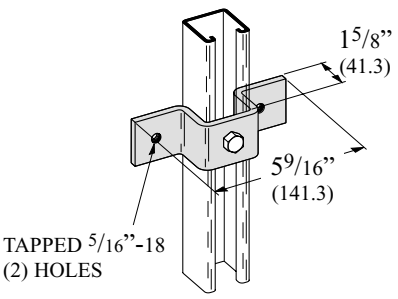
B400-3
TWO STUD RING CONNECTION
- 1/2"-13 stud protrudes 1"
- Standard finishes: ZN
- Wt./C 59 Lbs. (26.7 kg)



B400-4
TWO STUD RING CONNECTION
- 1/2"-13 stud protrudes 1"
- Standard finishes: ZN
- Wt./C 59 Lbs. (26.7 kg)

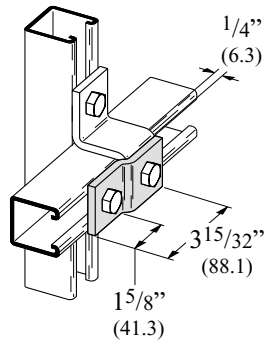


B536
TAPPED U-SUPPORT
- Standard finishes: ZN
- Wt./C 87 Lbs. (39.4 kg)

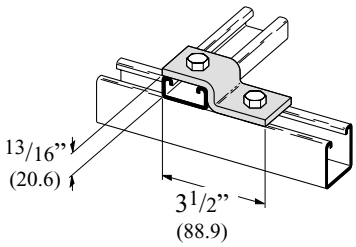


Reference page 58 for general fitting and standard finish specifications.

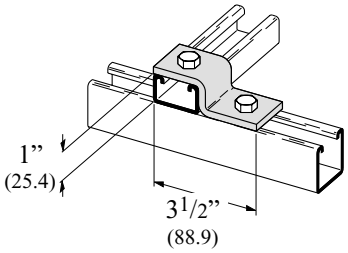
B526
TWO HOLE
OFFSET Z-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 38 Lbs. (17.2 kg)



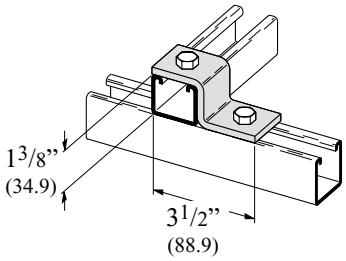
B106-52
TWO HOLE
Z-SUPPORT FOR B52
•Standard finishes: ZN, GRN
•Wt./C 40 Lbs. (18.1 kg)



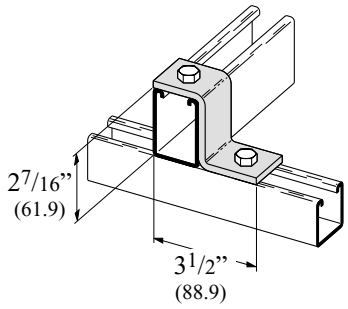
B106-42
TWO HOLE
Z-SUPPORT FOR B42
•Standard finishes: ZN, GRN
•Wt./C 44 Lbs. (20.0 kg)



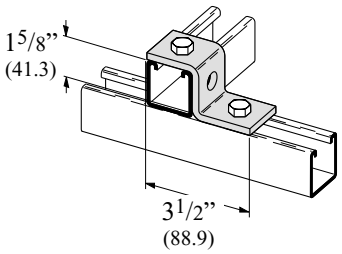
B106-32
TWO HOLE
Z-SUPPORT FOR B32
•Standard finishes: ZN, GRN
•Wt./C 51 Lbs. (23.1 kg)



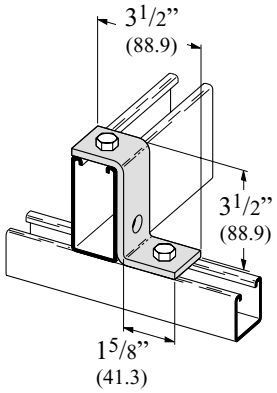
B106-12
TWO HOLE
Z-SUPPORT FOR B12
•Standard finishes: ZN, GRN
•Wt./C 63 Lbs. (28.6 kg)



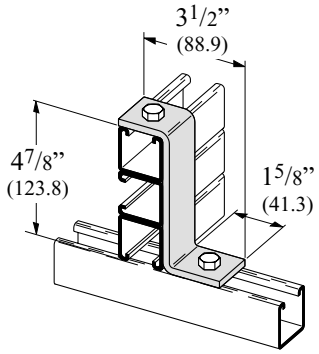
B105
THREE HOLE
Z-SUPPORT FOR B22
•Standard finishes: ZN, GRN, HDG
•Wt./C 51 Lbs. (23.1 kg)



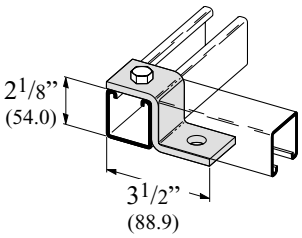
B110
THREE HOLE
Z-SUPPORT FOR B11
•Standard finishes: ZN, GRN
•Wt./C 70 Lbs. (31.7 kg)



B586
TWO HOLE
Z-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 90 Lbs. (40.8 kg)



B108
TWO HOLE
OFFSET Z-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 55 Lbs. (24.9 kg)

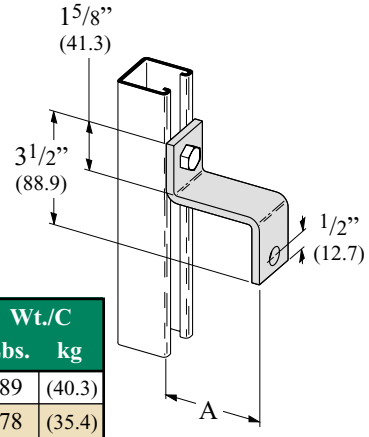


Reference page 58 for general fitting and standard finish specifications.

Z-FITTINGS

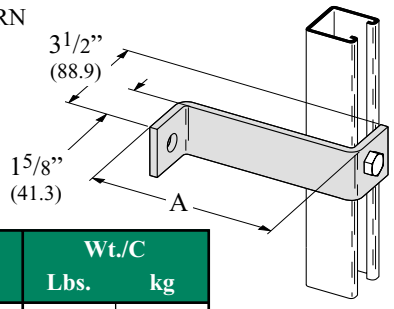
B-Line

B387
TWO HOLE Z-BUS DUCT CONNECTION
•Standard finishes: ZN, GRN



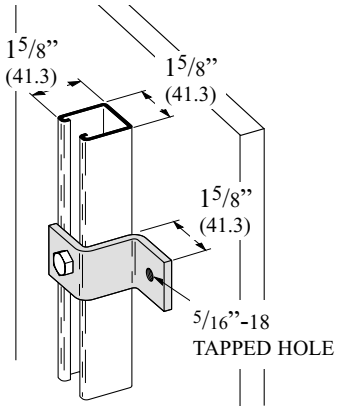
Part No.	A	(A)	Wt./C Lbs.	Wt./C kg
B387	4 3/4"	(120.6)	89	(40.3)
B387-1	3 25/32"	(96.0)	78	(35.4)
B387-2	2 13/32"	(61.1)	62	(28.1)

B407
TWO HOLE Z-SUPPORT
•Standard finishes: ZN, GRN

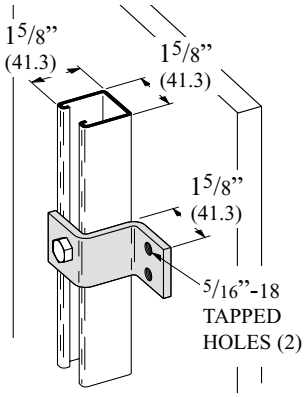


Part No.	A	(A)	Wt./C Lbs.	Wt./C kg
B407-4R	4"	(101.6)	77	(34.9)
B407-5R	5"	(127.0)	95	(43.1)
B407-6	6"	(152.4)	98	(44.4)
B407-7	7"	(177.8)	105	(47.6)
B407-8	8"	(203.2)	120	(54.4)
B407-9 5/8"	8"	(203.2)	120	(54.4)

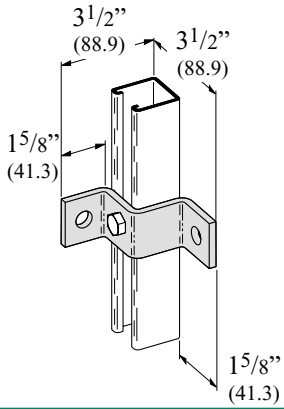
B534
TAPPED Z-SUPPORT
•Standard finishes: ZN
•Wt./C 51 Lbs. (23.1 kg)



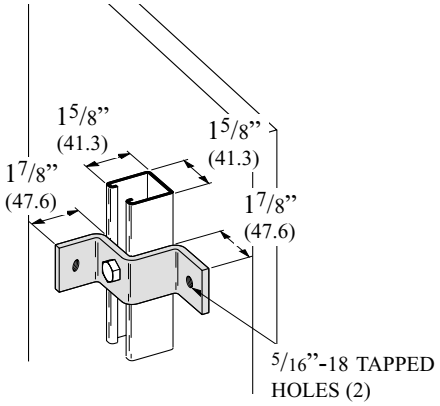
B535
TAPPED Z-SUPPORT
•Standard finishes: ZN
•Wt./C 50 Lbs. (22.7 kg)



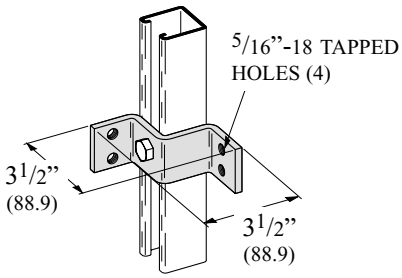
B111
THREE HOLE SHEATH CORNER CONNECTION
•Standard finishes: ZN, GRN
•Wt./C 68 Lbs. (30.8 kg)



B538
TAPPED CORNER CONNECTION
•Standard finishes: ZN
•Wt./C 71 Lbs. (32.2 kg)

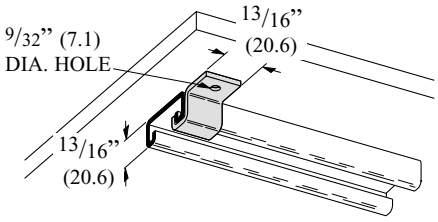


B539
TAPPED CORNER CONNECTION
•Standard finishes: ZN
•Wt./C 68 Lbs. (30.8 kg)

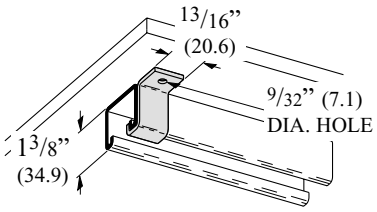


Reference page 58 for general fitting and standard finish specifications.

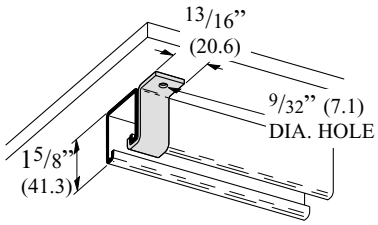
B410-52
CHANNEL HANGER BRACKET FOR B52
- Material: 11 Gauge (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, GRN
- Wt./C 6.7 Lbs. (3.0 kg)



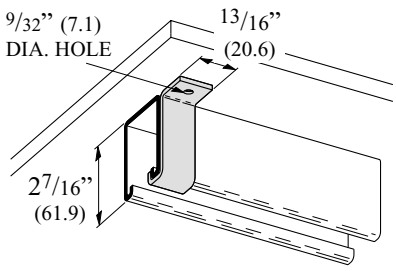
B410-32
CHANNEL HANGER BRACKET FOR B32
- Material: 11 Gauge (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, GRN
- Wt./C 8.3 Lbs. (3.7 kg)



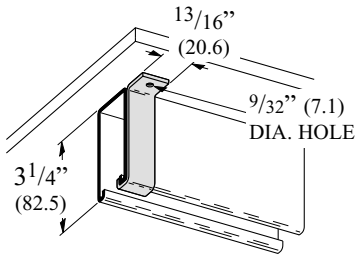
B410-22
CHANNEL HANGER BRACKET FOR B22
- Material: 11 Gauge (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, GRN
- Wt./C 9 Lbs. (4.1 kg)



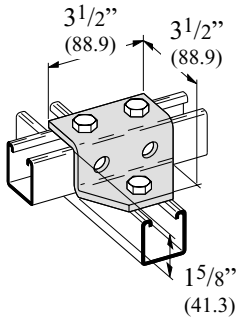
B410-12
CHANNEL HANGER BRACKET FOR B12
- Material: 11 Gauge (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, GRN
- Wt./C 11.2 Lbs. (5.1 kg)



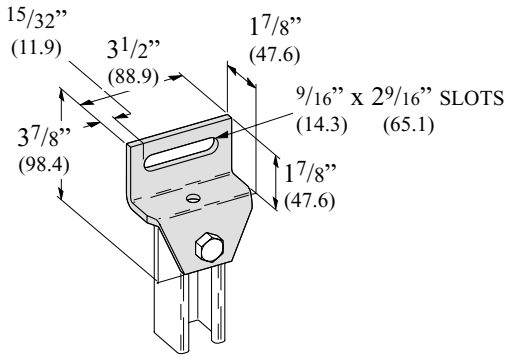
B410-11
CHANNEL HANGER BRACKET FOR B11
- Material: 11 Gauge (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, GRN
- Wt./C 13.4 Lbs. (6.1 kg)



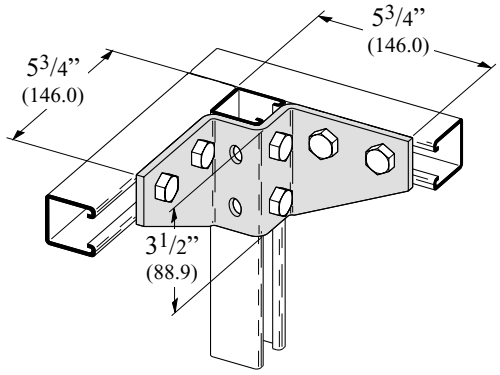
B580
FIVE HOLE GUSSETTED Z-SUPPORT
- Material: 11 Gauge (3.0)
- Standard finishes: ZN, GRN
- Wt./C 100 Lbs. (45.3 kg)



B515
ADJUSTABLE OFFSET GUSSETTED Z-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 93 Lbs. (42.2 kg)



B428
EIGHT HOLE GUSSETTED CORNER CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 203 Lbs. (92.1 kg)

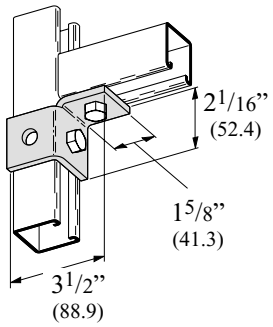


Reference page 58 for general fitting and standard finish specifications.

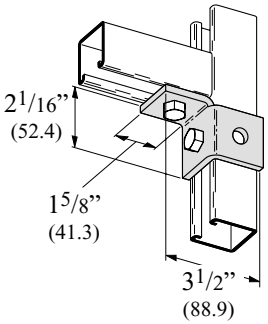
WING FITTINGS

B-Line

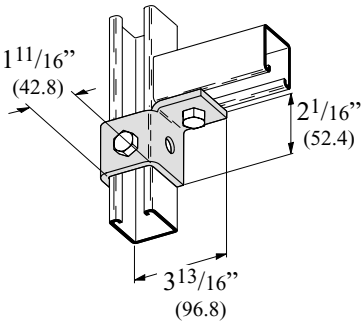
B267R
THREE HOLE SINGLE CORNER CONNECTION (RIGHT HAND)
- Standard finishes: ZN, GRN
- Wt./C 54 Lbs. (24.5 kg)



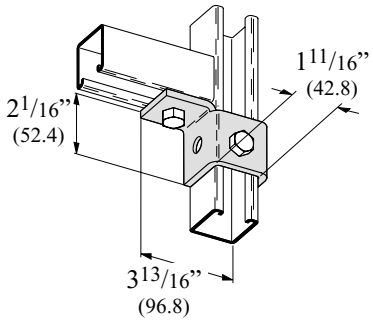
B267L
THREE HOLE SINGLE CORNER CONNECTION (LEFT HAND)
- Standard finishes: ZN, GRN
- Wt./C 54 Lbs. (24.5 kg)



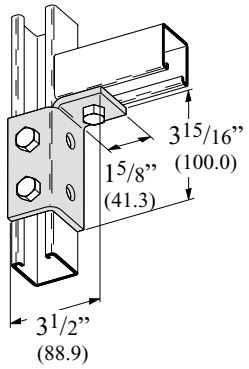
B270R
FOUR HOLE SINGLE CORNER CONNECTION (RIGHT HAND)
- Standard finishes: ZN, GRN
- Wt./C 77 Lbs. (34.9 kg)



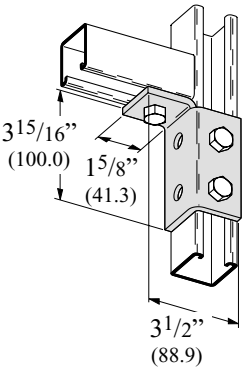
B270L
FOUR HOLE SINGLE CORNER CONNECTION (LEFT HAND)
- Standard finishes: ZN, GRN
- Wt./C 77 Lbs. (34.9 kg)



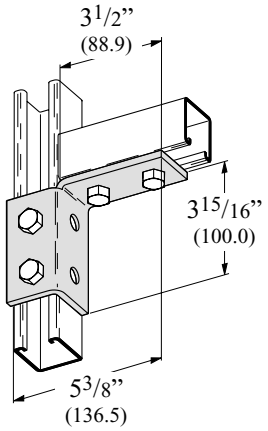
B268R
FIVE HOLE SINGLE CORNER CONNECTION (RIGHT HAND)
- Standard finishes: ZN, GRN
- Wt./C 100 Lbs. (45.3 kg)



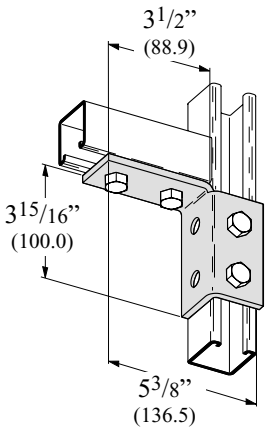
B268L
FIVE HOLE SINGLE CORNER CONNECTION (LEFT HAND)
- Standard finishes: ZN, GRN
- Wt./C 100 Lbs. (45.3 kg)



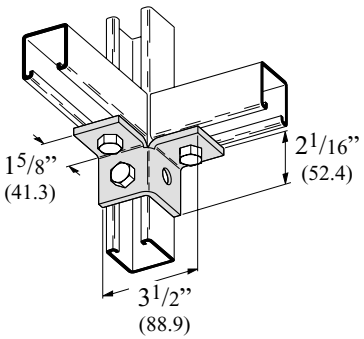
B269R
SIX HOLE SINGLE CORNER CONNECTION (RIGHT HAND)
- Standard finishes: ZN, GRN
- Wt./C 120 Lbs. (54.4 kg)



B269L
SIX HOLE SINGLE CORNER CONNECTION (LEFT HAND)
- Standard finishes: ZN, GRN
- Wt./C 120 Lbs. (54.4 kg)

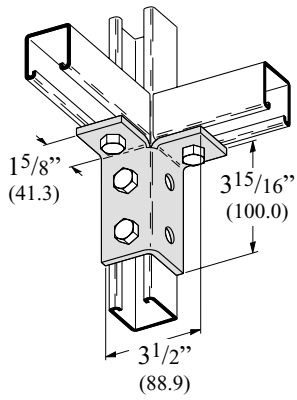


B119
FOUR HOLE DOUBLE CORNER CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 71 Lbs. (32.2 kg)

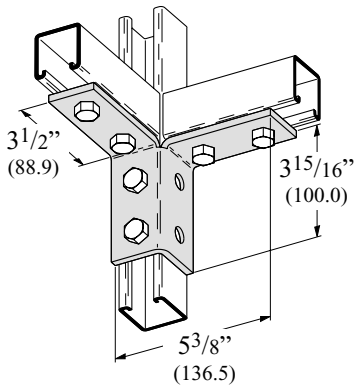


Reference page 58 for general fitting and standard finish specifications.

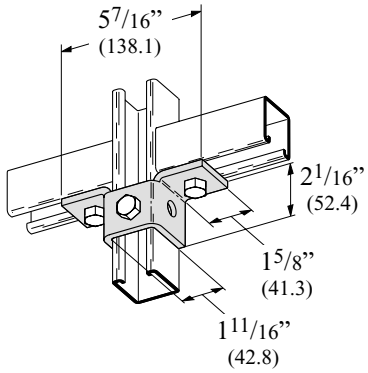
B120
SIX HOLE DOUBLE CORNER CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 110 Lbs. (49.9 kg)



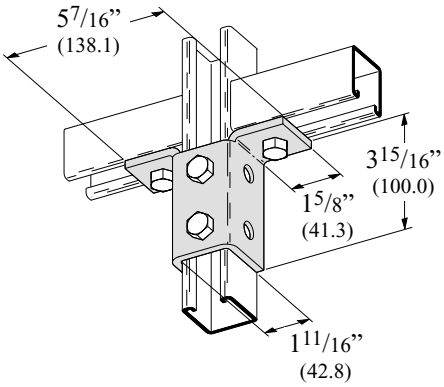
B121
EIGHT HOLE DOUBLE CORNER CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 152 Lbs. (68.9 kg)



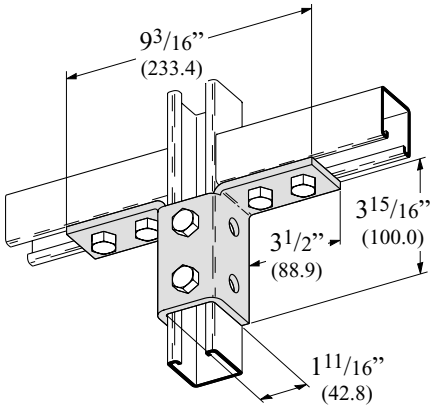
B271
FIVE HOLE DOUBLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 95 Lbs. (43.1 kg)



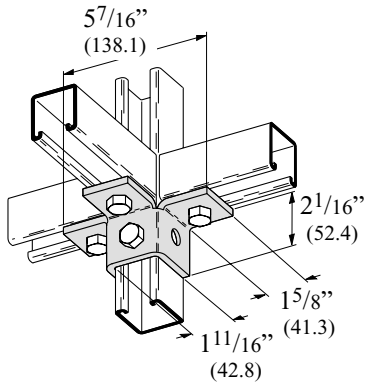
B272
EIGHT HOLE DOUBLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 156 Lbs. (70.7 kg)



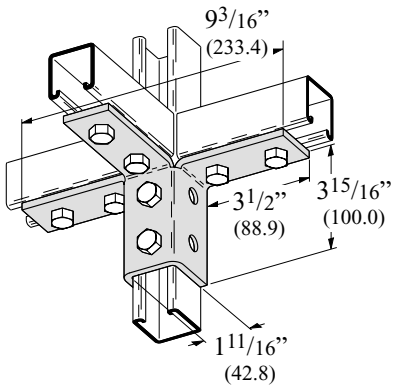
B273
TEN HOLE DOUBLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 185 Lbs. (83.9 kg)



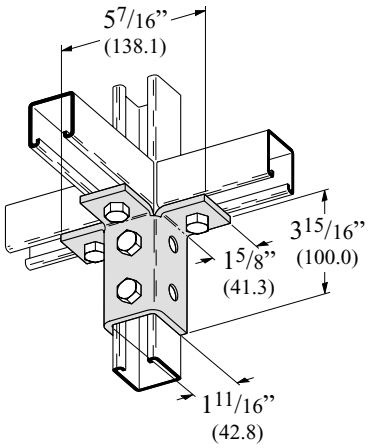
B122
SIX HOLE TRIPLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 110 Lbs. (49.9 kg)



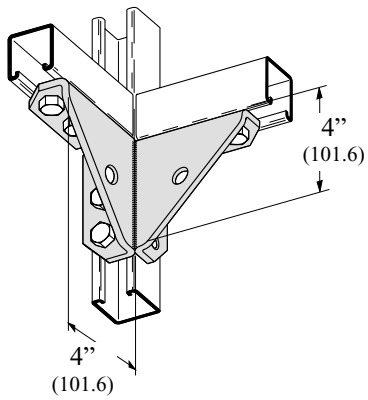
B123
TWELVE HOLE TRIPLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 234 Lbs. (106.1 kg)



B124
NINE HOLE TRIPLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 177 Lbs. (80.3 kg)



B276
EIGHT HOLE DOUBLE CORNER GUSSETTED CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 196 Lbs. (88.9 kg)

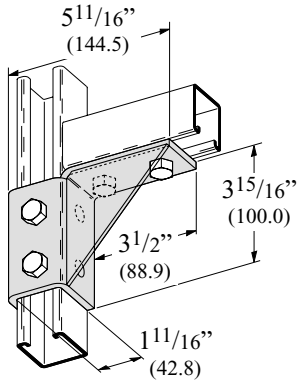


Reference page 58 for general fitting and standard finish specifications.

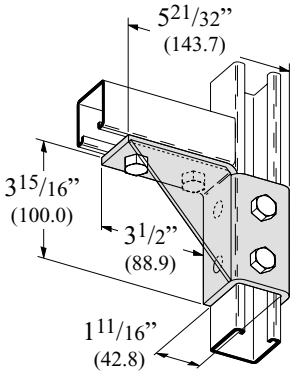
WING FITTINGS

B-Line

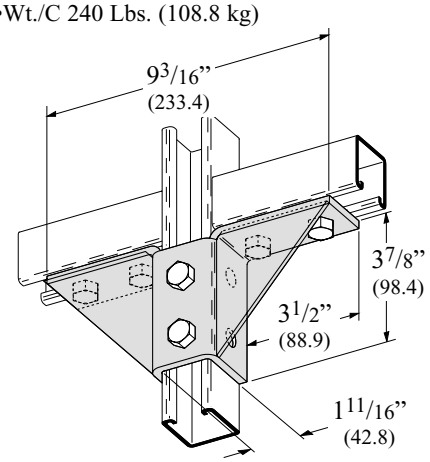
B274R
EIGHT HOLE SINGLE CORNER GUSSETTED CONNECTION (RIGHT HAND)
- Standard finishes: ZN, GRN
- Wt./C 176 Lbs. (79.8 kg)



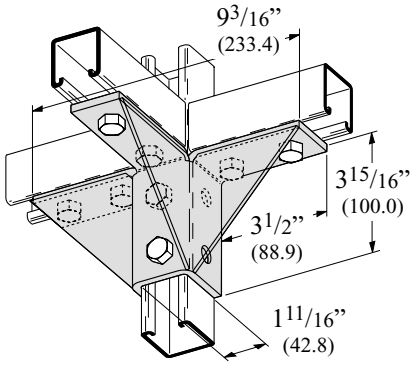
B274L
EIGHT HOLE SINGLE CORNER GUSSETTED CONNECTION (LEFT HAND)
- Standard finishes: ZN, GRN
- Wt./C 176 Lbs. (79.8 kg)



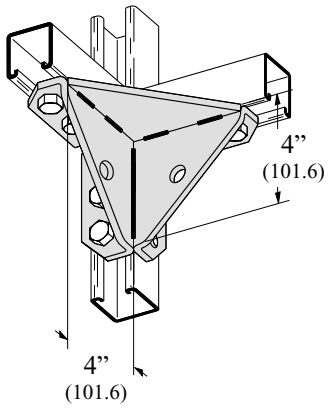
B495
TEN HOLE DOUBLE WING GUSSETTED CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 240 Lbs. (108.8 kg)



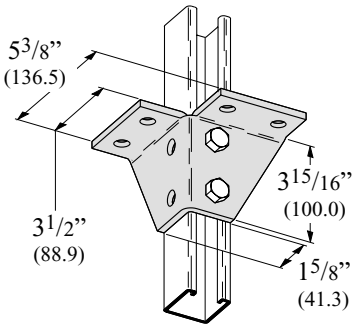
B277
TWELVE HOLE TRIPLE WING GUSSETTED CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 285 Lbs. (129.3 kg)



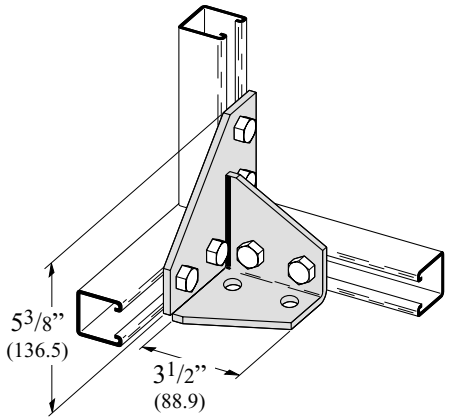
B362
EIGHT HOLE DOUBLE CORNER GUSSETTED CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 226 Lbs. (102.5 kg)



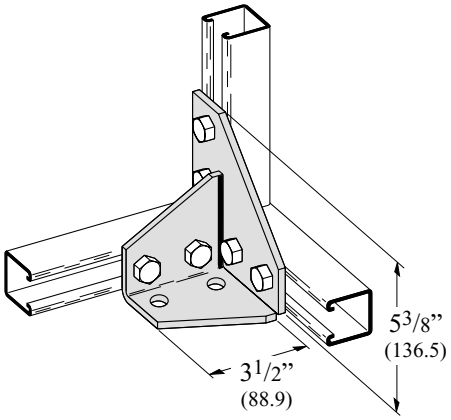
B571
EIGHT HOLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 201 Lbs. (91.2 kg)



B346L
EIGHT HOLE DOUBLE CORNER GUSSETTED CONNECTION (LEFT HAND)
- Standard finishes: ZN, GRN
- Wt./C 242 Lbs. (109.8 kg)

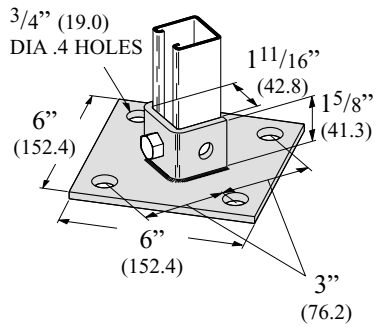


B346R
EIGHT HOLE DOUBLE CORNER GUSSETTED CONNECTION (RIGHT HAND)
- Standard finishes: ZN, GRN
- Wt./C 242 Lbs. (109.8 kg)

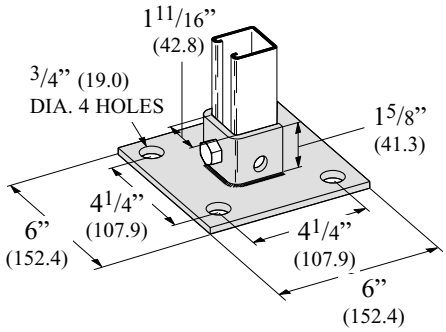


Reference page 58 for general fitting and standard finish specifications.

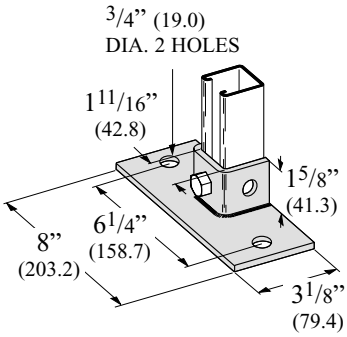
B279
POST BASE FOR B22
- Standard finishes: ZN, GRN
- Wt./C 314 Lbs. (142.4 kg)



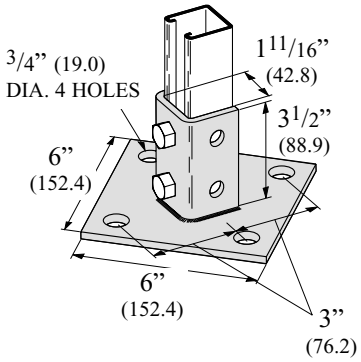
B279SQ
POST BASE FOR B22
- Standard finishes: ZN, GRN
- Wt./C 314 Lbs. (142.4 kg)



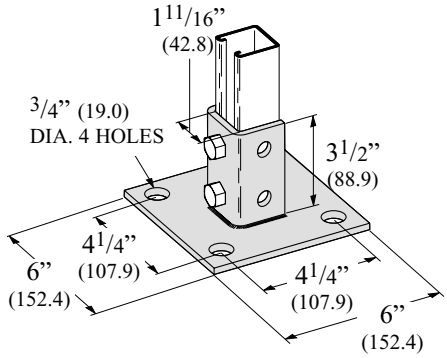
B279FL
POST BASE FOR B22
- Standard finishes: ZN, GRN
- Wt./C 230 Lbs. (104.3 kg)



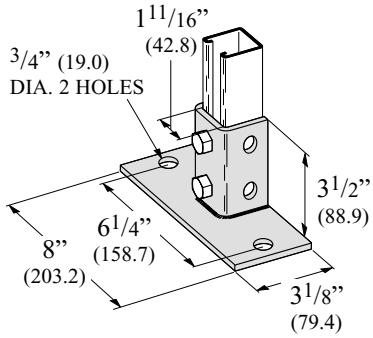
B280
POST BASE FOR B22
- Standard finishes: ZN, GRN, HDG, SS4, AL
- Wt./C 392 Lbs. (177.8 kg)



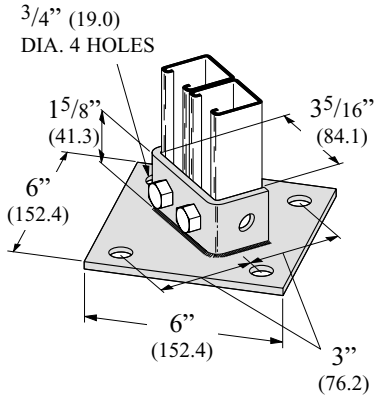
B280SQ
POST BASE FOR B22
- Standard finishes: ZN, GRN, HDG, SS4, AL
- Wt./C 392 Lbs. (177.8 kg)



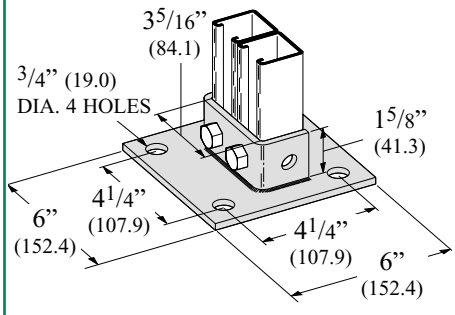
B280FL
POST BASE FOR B22
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 312 Lbs. (141.5 kg)



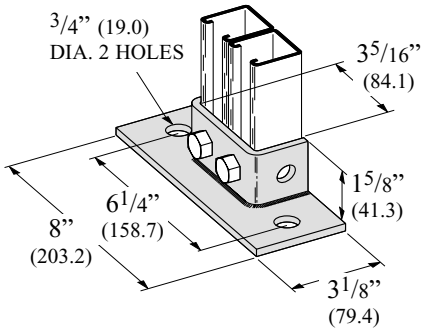
B281A
POST BASE FOR B22A, B,C, ETC.
- Standard finishes: ZN, GRN
- Wt./C 330 Lbs. (149.7 kg)



B281ASQ
POST BASE FOR B22A, B, C, ETC.
- Standard finishes: ZN, GRN
- Wt./C 330 Lbs. (149.7 kg)



B281AFL
POST BASE FOR B22A, B, C, ETC.
- Standard finishes: ZN, GRN
- Wt./C 250 Lbs. (113.4 kg)

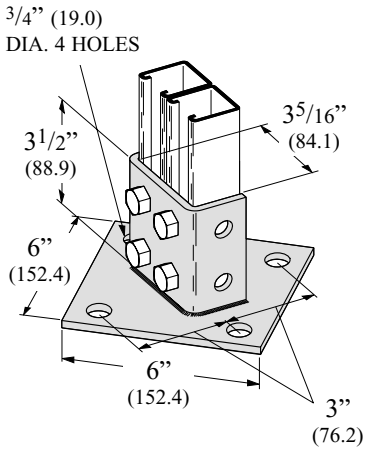


Reference page 58 for general fitting and standard finish specifications.

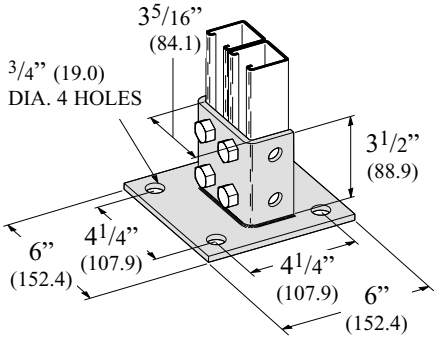
POST BASES

B-Line

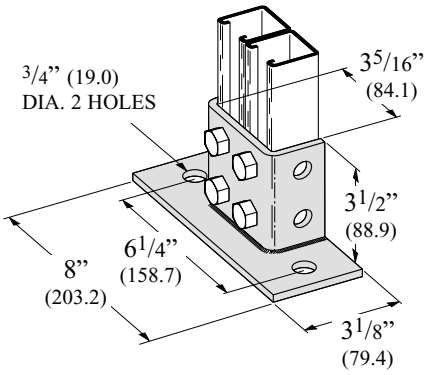
B281
POST BASE FOR B22A, B, C, ETC.
•Standard finishes: ZN, GRN, HDG
•Wt./C 400 Lbs. (181.4 kg)



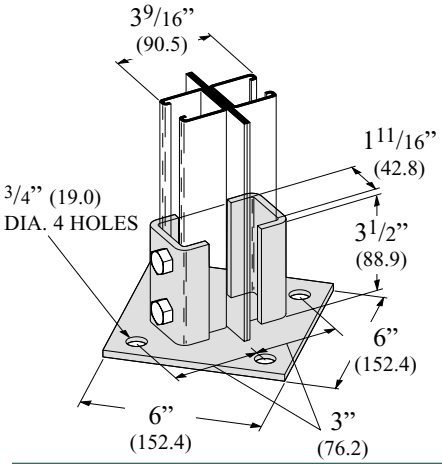
B281SQ
POST BASE FOR B22A, B, C, ETC.
•Standard finishes: ZN, GRN, HDG, SS4
•Wt./C 400 Lbs. (181.4 kg)



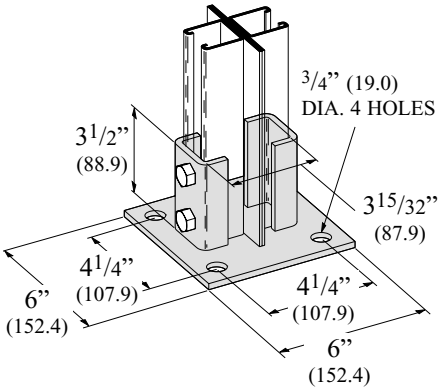
B281FL
POST BASE FOR B22A, B, C, ETC.
•Standard finishes: ZN, GRN
•Wt./C 320 Lbs. (145.1 kg)



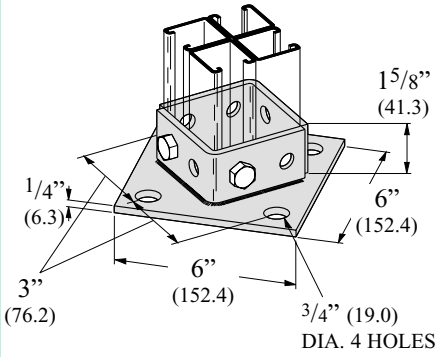
B281M
POST BASE FOR B22-2PL
•Standard finishes: ZN, GRN
•Wt./C 470 Lbs. (213.2 kg)



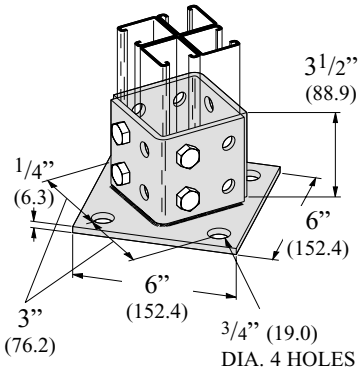
B281MSQ
POST BASE FOR B22-2PL
•Standard finishes: ZN, GRN
•Wt./C 470 Lbs. (213.2 kg)



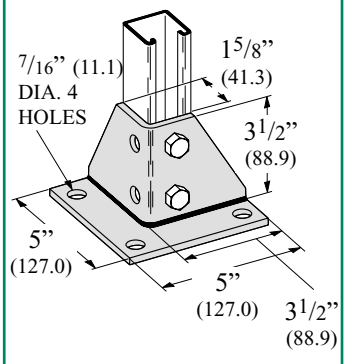
B570
POST BASE FOR FOUR CHANNEL COMBINATIONS
•Standard finishes: ZN, GRN
•Wt./C 397 Lbs. (180.1 kg)



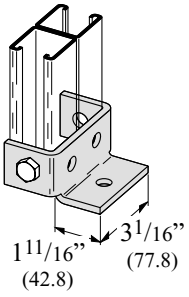
B570A
POST BASE FOR FOUR CHANNEL COMBINATIONS
•Standard finishes: ZN, GRN
•Wt./C 550 Lbs. (249.5 kg)



B278
POST BASE FOR B22
•Standard finishes: ZN, GRN
•Wt./C 288 Lbs. (130.6 kg)

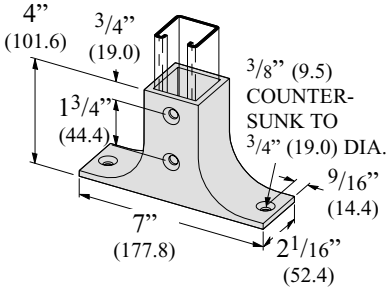


B585
POST BASE FOR B22A
•Standard finishes: ZN, GRN
•Wt./C 97 Lbs. (44.0 kg)



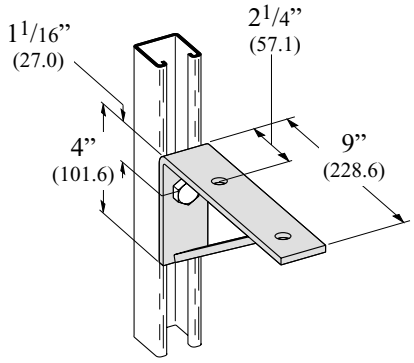
B300
POST BASE
•Material: Malleable Iron
•Standard finishes: ZN, GRN

NEW

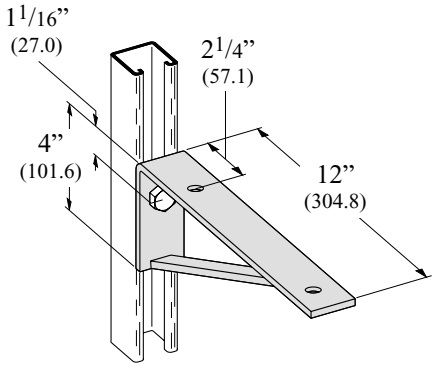


Reference page 58 for general fitting and standard finish specifications.

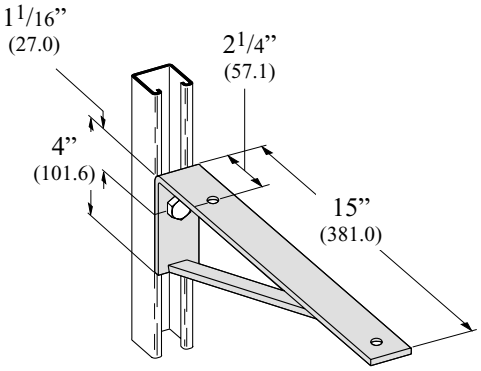
B187
BRACKET
- Uniform Loading 1450 Lbs. (6.45 kN)
- Safety Factor of 2.5
- Hole Spacing on Bracket Top 5 5/16" (150.8) Center to Center
- Standard finishes: ZN, GRN
- Wt./C 193 Lbs. (87.5 kg)



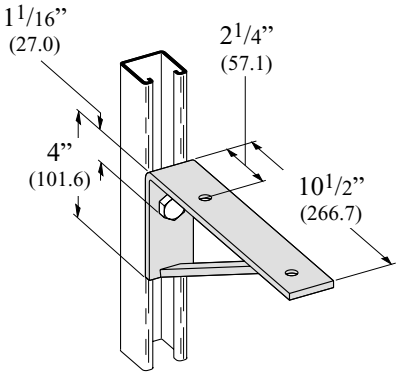
B188
BRACKET
- Uniform Loading 1080 Lbs. (4.80 kN)
- Safety Factor of 2.5
- Hole Spacing on Bracket Top 8 15/16" (227.0) Center to Center
- Standard finishes: ZN, GRN
- Wt./C 241 Lbs. (109.3 kg)



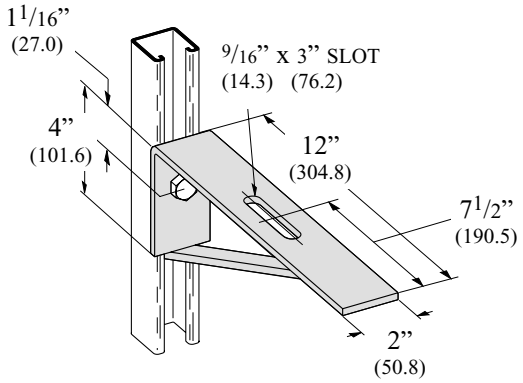
B189
BRACKET
- Uniform Loading 870 Lbs. (3.87 kN)
- Safety Factor of 2.5
- Hole Spacing on Bracket Top 11 15/16" (303.2) Center to Center
- Standard finishes: ZN, GRN
- Wt./C 308 Lbs. (139.7 kg)



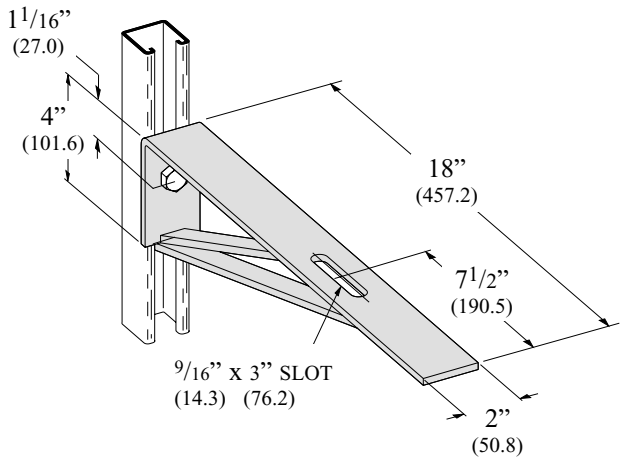
B541
BRACKET
- Uniform Loading 1240 Lbs. (5.51 kN)
- Safety Factor of 2.5
- Hole Spacing on Bracket Top 7 7/16" (188.9) Center to Center
- Standard finishes: ZN, GRN
- Wt./C 201 Lbs. (91.2 kg)



B190
12" (304.8) BRACKET
- Uniform Loading 900 Lbs. (4.00 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 260 Lbs. (117.9 kg)

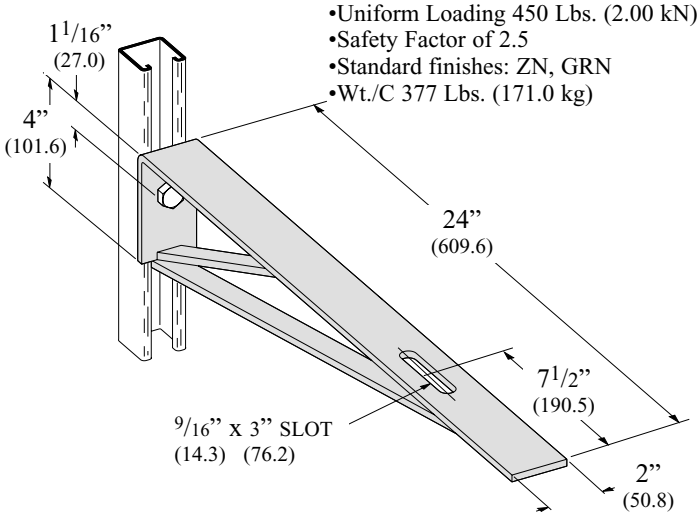


B191-18
18" (457.2) BRACKET
- Uniform Loading 600 Lbs. (2.67 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 377 Lbs. (171.0 kg)

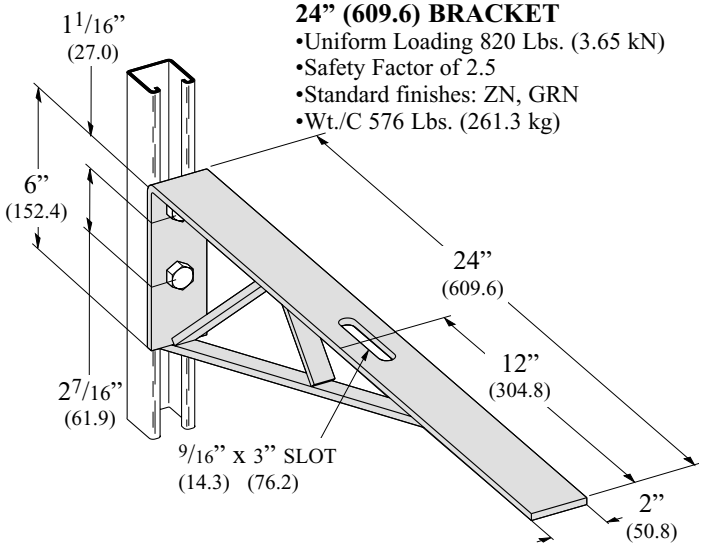


Reference page 58 for general fitting and standard finish specifications.

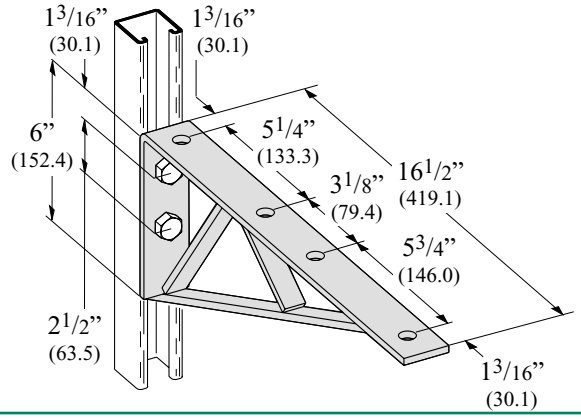
B191-24
24" (609.6) BRACKET
- Uniform Loading 450 Lbs. (2.00 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 377 Lbs. (171.0 kg)



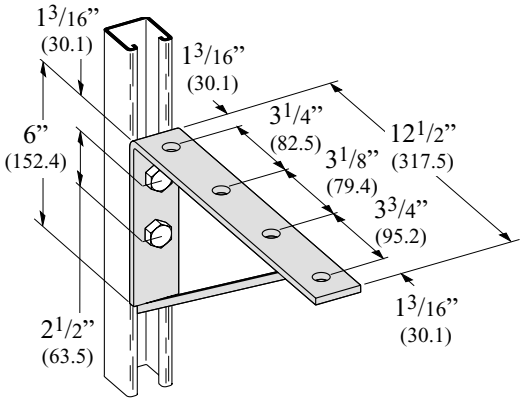
B192
24" (609.6) BRACKET
- Uniform Loading 820 Lbs. (3.65 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 576 Lbs. (261.3 kg)



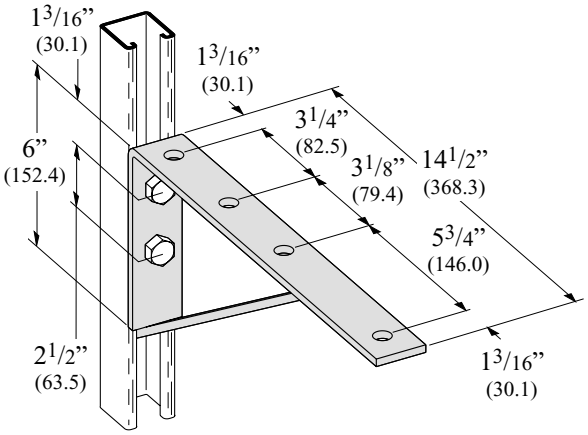
B290
16 1/2" (419.1) BRACKET
- Uniform Loading 1200 Lbs. (5.34 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 405 Lbs. (183.7 kg)



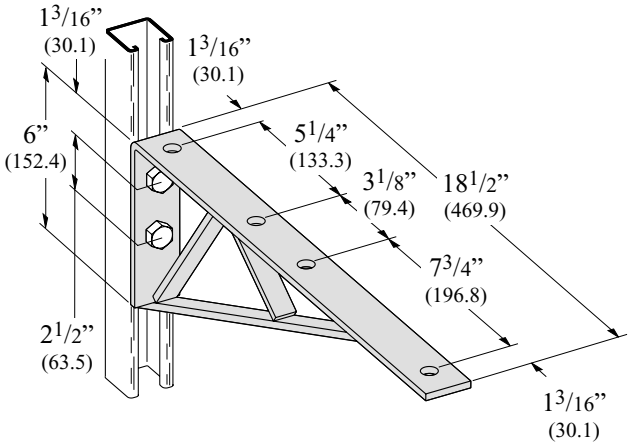
B289-12
12 1/2" (317.5) BRACKET
- Uniform Loading 1040 Lbs. (4.63 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 285 Lbs. (129.3 kg)



B289-14
14 1/2" (368.3) BRACKET
- Uniform Loading 900 Lbs. (4.00 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 295 Lbs. (133.8 kg)

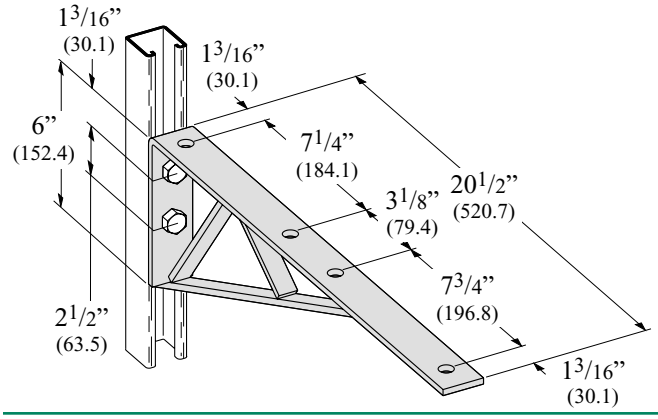


B291
18 1/2" (469.9) BRACKET
- Uniform Loading 1070 Lbs. (4.76 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN
- Wt./C 468 Lbs. (212.3 kg)

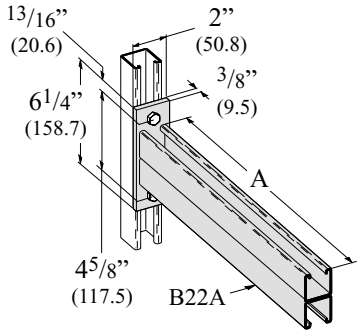


Reference page 58 for general fitting and standard finish specifications.

B292
20 1/2" (520.7) BRACKET
- Uniform Loading 600 Lbs. (2.67 kN)
- Safety Factor of 2.5
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 490 Lbs. (222.2 kg)

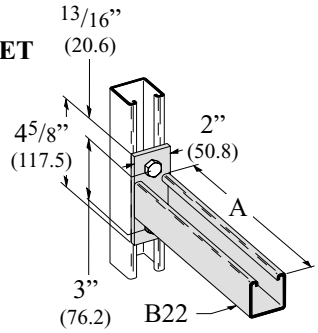


B297
DOUBLE CHANNEL BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN, HDG



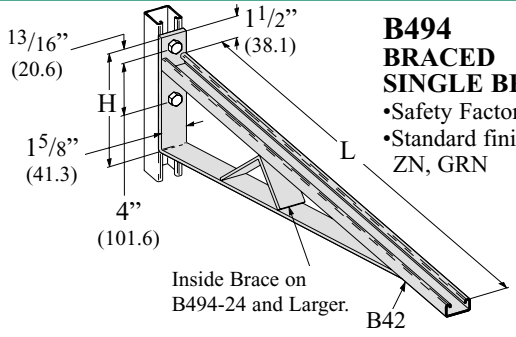
Part No.	A		Uniform Load Lbs.	kN	Wt./C Lbs.	kg.
B297-6	6"	(152.4)	2500	(11.12)	213	(96.6)
B297-12	12"	(304.8)	1660	(7.37)	485	(220.0)
B297-18	18"	(457.2)	1100	(4.88)	668	(303.0)
B297-24	24"	(609.6)	835	(3.71)	857	(388.7)
B297-30	30"	(762.0)	665	(2.95)	1040	(471.7)
B297-36	36"	(914.4)	550	(2.44)	1240	(562.4)
B297-42	42"	(1066.8)	465	(2.06)	1440	(653.2)

B409
SINGLE CHANNEL BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN, SS4



Part No.	A		Uniform Load Lbs.	kN	Wt./C Lbs.	kg.
B409-6	6"	(152.4)	1920	(8.54)	152	(68.9)
B409-9	9"	(228.6)	1280	(5.69)	195	(88.4)
B409-12	12"	(304.8)	960	(4.27)	232	(105.2)
B409-14	14"	(355.6)	800	(3.56)	274	(124.3)
B409-16	16"	(406.4)	730	(3.25)	314	(142.4)
B409-18	18"	(457.2)	640	(2.84)	347	(157.4)
B409-24	24"	(609.6)	480	(2.13)	450	(204.1)

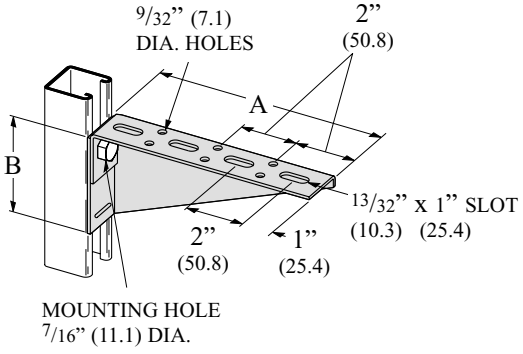
B494
BRACED SINGLE BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN



Part No.	L		H		Uniform Load Lbs.	kN	Wt. /C Lbs.	kg
B494-12	12"	(304.8)	8 3/4"	(222.2)	1580	(7.02)	364	(165.1)
B494-18	18"	(475.2)	8 3/4"	(222.2)	830	(3.69)	479	(217.3)
B494-24	24"	(609.6)	8 3/4"	(222.2)	830	(3.69)	716	(324.8)
B494-30	30"	(762.0)	11 1/4"	(285.7)	750	(3.33)	927	(420.5)
B494-36	36"	(914.4)	11 1/4"	(285.7)	665	(2.95)	1095	(496.7)
B494-42	42"	(1066.8)	16"	(406.4)	580	(2.58)	1400	(635.0)
B494-48	48"	(1219.2)	16"	(406.4)	500	(2.22)	1510	(684.9)

B174SH-B186SH
L&R SLOTTED BRACKET
- Safety Factor of 2.5
- Specify L for left or R for right bracing
- Material: ASTM A507 Gr. 33
- Standard finishes: ZN, GRN

Part No.	A		B		Uniform Load Lbs.	kN	Wt./C Lbs.	kg
B174SH	24"	(609.6)	6 7/16"	(163.5)	225	(1.00)	370	(167.8)
B175SH	26"	(660.4)	6 15/16"	(176.2)	225	(1.00)	425	(192.8)
B176SH	28"	(711.2)	7 7/16"	(188.9)	225	(1.00)	480	(217.7)
B177SH	30"	(762.0)	7 15/16"	(201.6)	225	(1.00)	520	(235.9)
B178SH	12"	(304.8)	3 7/16"	(87.3)	350	(1.55)	143	(64.8)
B179SH	14"	(355.6)	3 15/16"	(100.0)	350	(1.55)	162	(73.5)
B180SH	16"	(406.4)	4 7/16"	(112.7)	250	(1.11)	204	(92.5)
B181SH	18"	(457.2)	4 15/16"	(125.4)	250	(1.11)	232	(105.2)
B182SH	20"	(508.0)	5 7/16"	(138.1)	250	(1.11)	275	(124.7)
B183SH	22"	(558.8)	5 15/16"	(150.8)	250	(1.11)	317	(143.8)
B184SH	6"	(152.4)	1 15/16"	(49.2)	225	(1.00)	58	(26.3)
B185SH	8"	(203.2)	2 7/16"	(61.9)	225	(1.00)	82	(37.2)
B186SH	10"	(254.0)	2 15/16"	(74.6)	325	(1.44)	103	(46.7)



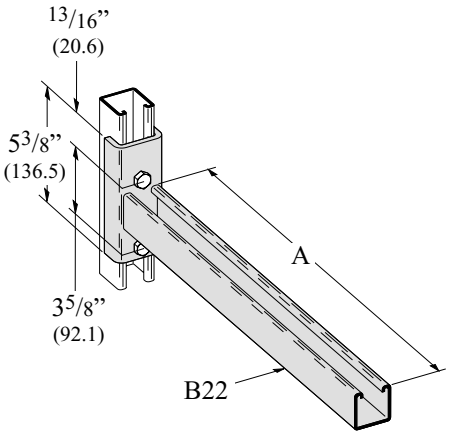
Right bracket shown, left bracket gussett on opposite side.

Reference page 58 for general fitting and standard finish specifications.

BRACKETS

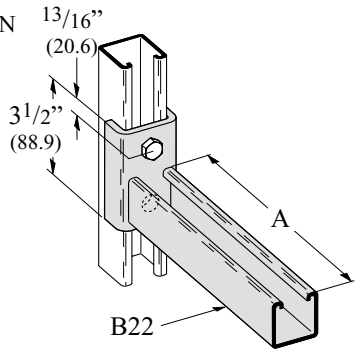
B-Line

B196
CHANNEL CLEVIS BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN



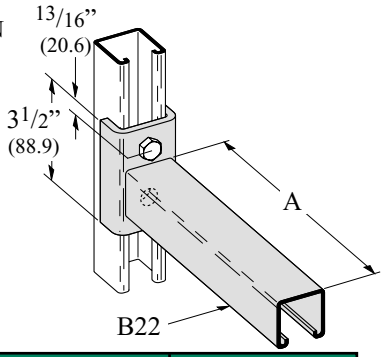
Part No.	A	(A)	Uniform Load Lbs.	Uniform Load kN	Wt./C Lbs.	Wt./C kg
B196-18	18"	(457.2)	600	(2.67)	430	(195.0)
B196-24	24"	(609.6)	450	(2.00)	510	(231.3)

B198
CHANNEL CLEVIS BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN



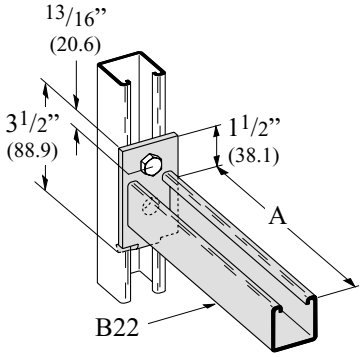
Part No.	A	(A)	Uniform Load Lbs.	Uniform Load kN	Wt./C Lbs.	Wt./C kg
B198-6	6"	(152.4)	1600	(7.12)	185	(83.9)
B198-12	12"	(304.8)	800	(3.56)	284	(128.8)

B198A
CHANNEL CLEVIS BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN



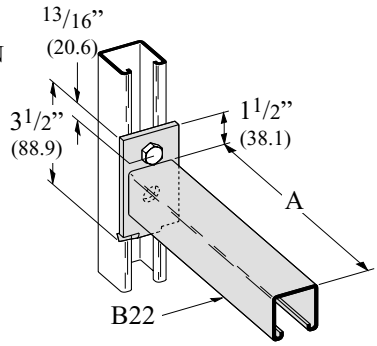
Part No.	A	(A)	Uniform Load Lbs.	Uniform Load kN	Wt./C Lbs.	Wt./C kg
B198A-6	6"	(152.4)	1600	(7.12)	185	(83.9)
B198A-12	12"	(304.8)	800	(3.56)	284	(128.8)

B293
CHANNEL BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN



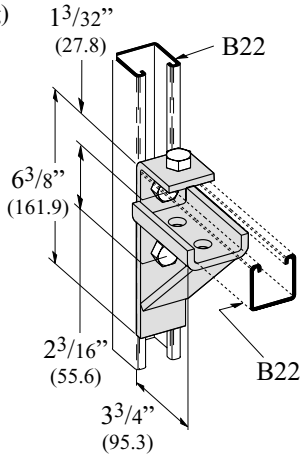
Part No.	A	(A)	Uniform Load Lbs.	Uniform Load kN	Wt./C Lbs.	Wt./C kg
B293-6	6"	(152.4)	1200	(5.34)	144	(65.3)
B293-12	12"	(304.8)	600	(2.67)	252	(114.3)
B293-18	18"	(457.2)	400	(1.78)	340	(154.2)
B293-24	24"	(609.6)	300	(1.33)	412	(186.9)

B293A
CHANNEL BRACKET
- Safety Factor of 2.5
- Standard finishes: ZN, GRN



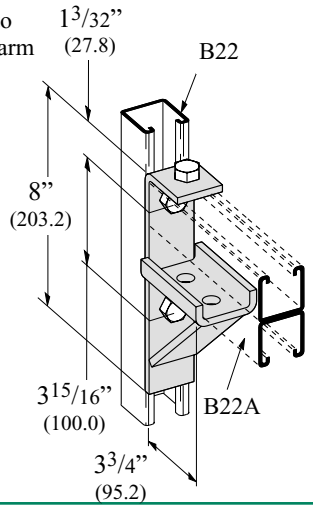
Part No.	A	(A)	Uniform Load Lbs.	Uniform Load kN	Wt./C Lbs.	Wt./C kg
B293A-6	6"	(152.4)	1200	(5.34)	144	(65.3)
B293A-12	12"	(304.8)	600	(2.67)	252	(114.3)
B293A-18	18"	(457.2)	400	(1.78)	340	(154.2)
B293A-24	24"	(609.6)	300	(1.33)	412	(186.9)

B194
BRACKET FOR B22 & B24
- Safety Factor of 2.5
- 6300 In.-Lbs (712 N•m) applies to fitting only, not to strength of strut arm
- Refer to page 203 for strut loading data
- Standard finishes: ZN, GRN
- Wt./C 210 Lbs. (95.2 kg)

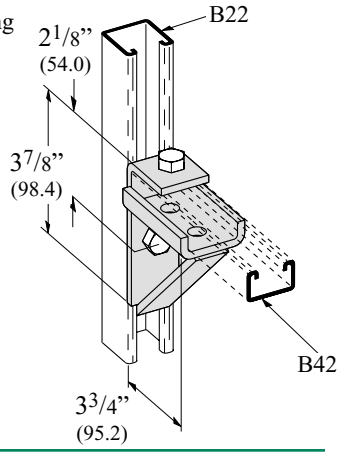


Reference page 58 for general fitting and standard finish specifications.

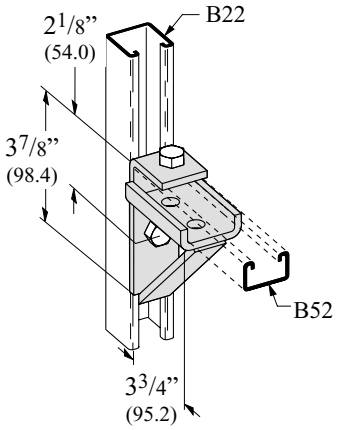
B370
BRACKET FOR B22A & B11
- Safety Factor of 2.5
- 13000 In.-Lbs (1469 N•m) applies to fitting only, not to strength of strut arm
- Refer to page 203 for strut loading data
- Standard finishes: ZN, GRN
- Wt./C 266 Lbs. (120.6 kg)



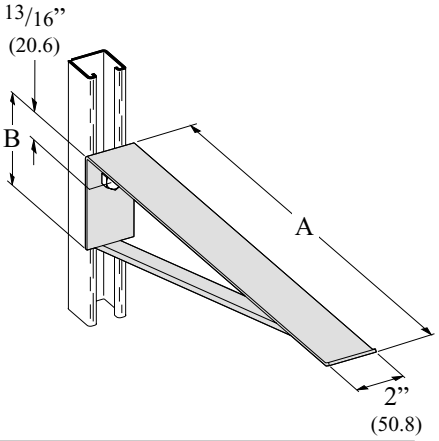
B195
BRACKET FOR B42
- Safety Factor of 2.5
- 2500 In.-Lbs (282 N•m) applies to fitting only, not to strength of strut arm
- Refer to page 203 for strut loading data
- Standard finishes: ZN, GRN
- Wt./C 174 Lbs. (78.9 kg)



B440
BRACKET FOR B52 & B54
- Safety Factor of 2.5
- 2000 In.-Lbs (226 N•m) applies to fitting only, not to strength of strut arm
- Refer to page 203 for strut loading data
- Standard finishes: ZN, GRN
- Wt./C 177 Lbs. (80.3 kg)

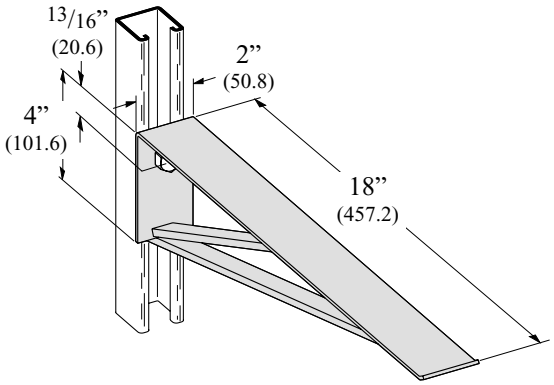


B449-4, 8 & 12
CABLE SADDLE BRACKET
- Safety Factor of 2.5
- Material: 11 Gauge (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, GRN

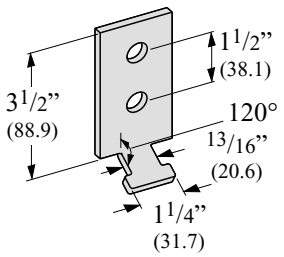


Part No.	A		B		Uniform Load Lbs.	Uniform Load kN	Wt./C Lbs.	Wt./C kg
B449-4	4 1/2"	(114.3)	2 3/8"	(60.3)	2400	(10.67)	74	(33.5)
B449-8	8 1/2"	(215.9)	2 3/8"	(60.3)	1270	(5.65)	124	(56.2)
B449-12	12 1/2"	(317.5)	4"	(101.6)	860	(3.82)	184	(83.4)

B449-18
18" (457.2) CABLE SADDLE BRACKET
- Safety Factor of 2.5
- Uniform Load 960 Lbs. (4.17 kN)
- Material: 11 Gauge (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, GRN
- Wt./C 312 Lbs. (141.5 kg)



B293PL
BRACKET PLATE ONLY
- Standard finishes: ZN, GRN
- Wt./C 46 Lbs. (20.8 kg)

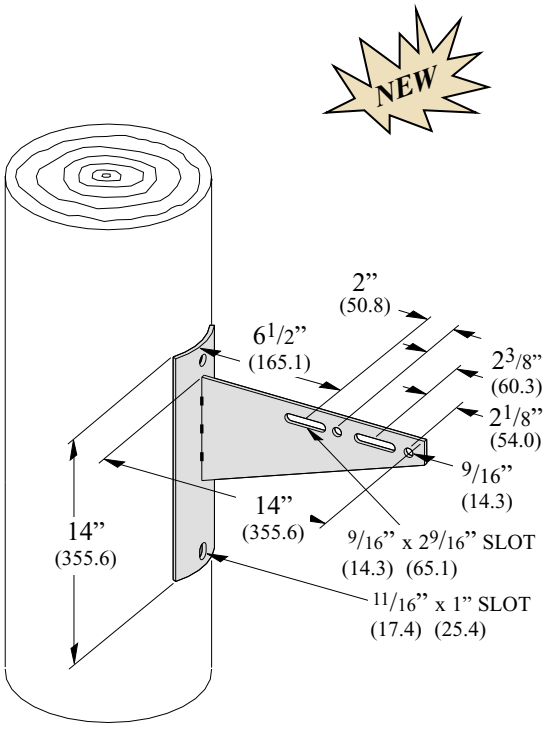


BRACKETS

B-Line

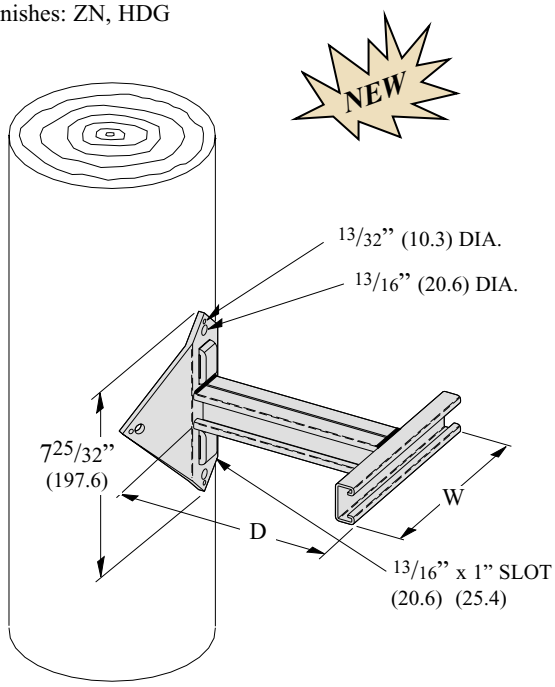
B816

•Standard finishes: ZN, HDG



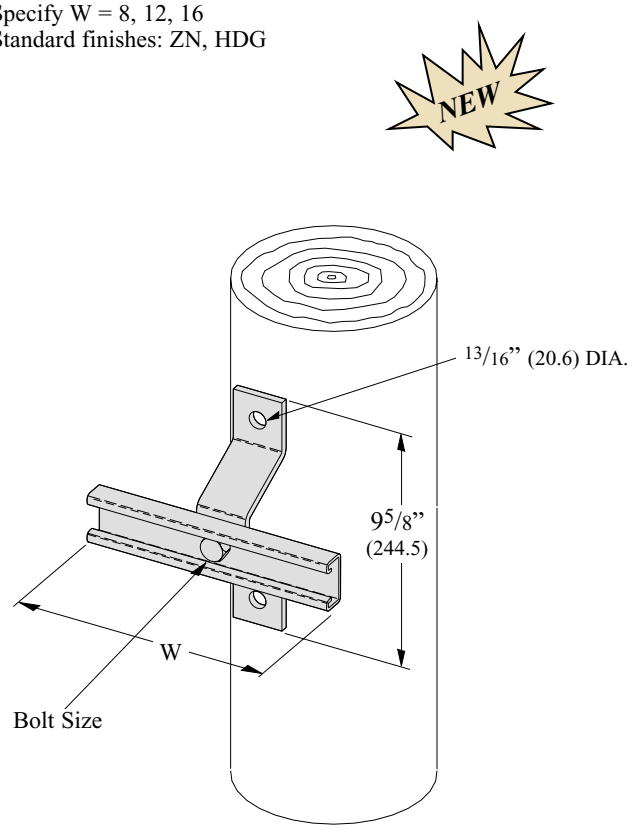
B852S-W-D

•Specify W = 8, 12, 16
•Specify D = 6, 8, 10, 12, 16, 18, 24
•13/16" x 1" banding slots for steel band
•Standard finishes: ZN, HDG



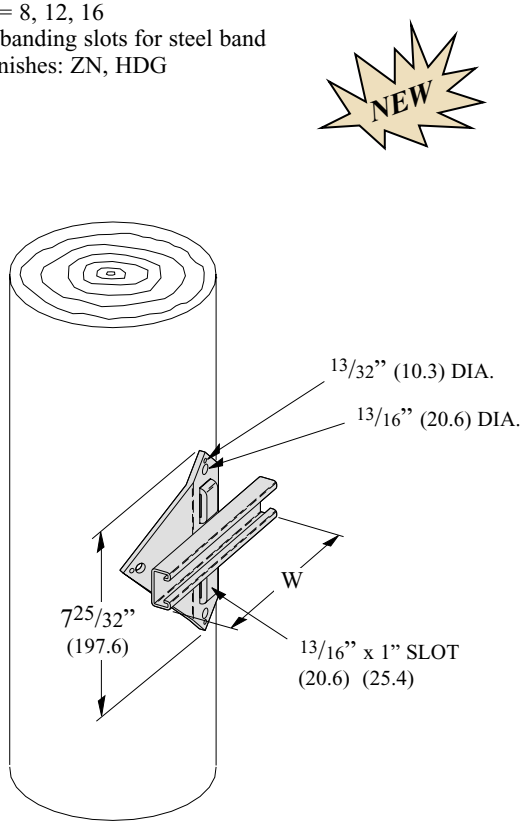
B802D-W

•Specify W = 8, 12, 16
•Standard finishes: ZN, HDG



B810-W

•Specify W = 8, 12, 16
•13/16" x 1" banding slots for steel band
•Standard finishes: ZN, HDG

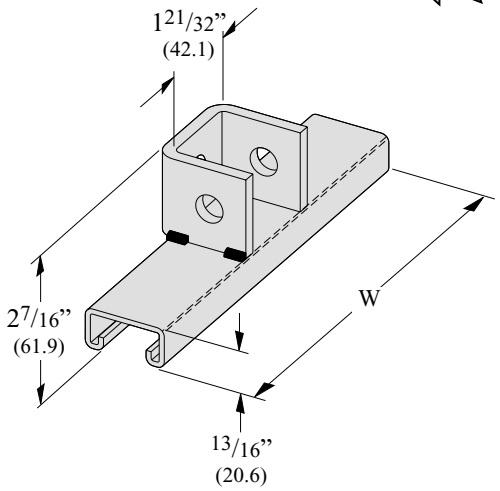


Reference page 58 for general fitting and standard finish specifications.

B811-W

- Can be attached directly to B809 & B812
- Specify W = 8, 12, 16
- Standard finishes: ZN, HDG

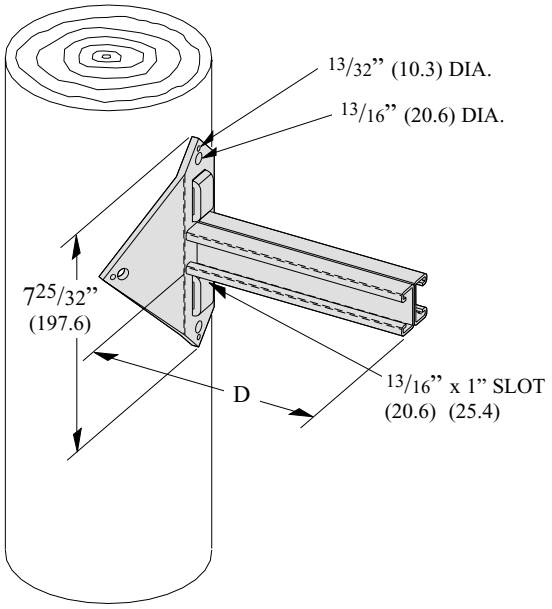
NEW



B812-*

- Specify D = 6, 8, 10, 12, 16, 18, 24
- 13/16" x 1" banding slots for steel band
- Standard finishes: ZN, HDG

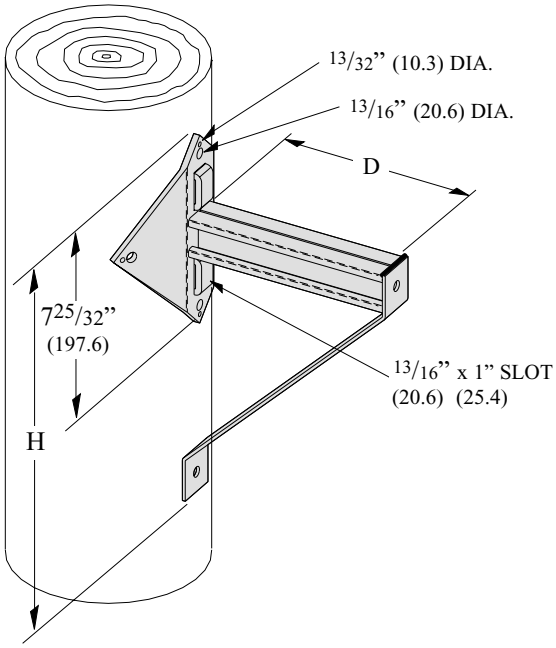
NEW



B809B-*

- Specify D = 6, 8, 10, 12, 16, 18, 24
- 13/16" x 1" banding slots for steel band
- Standard finishes: ZN, HDG

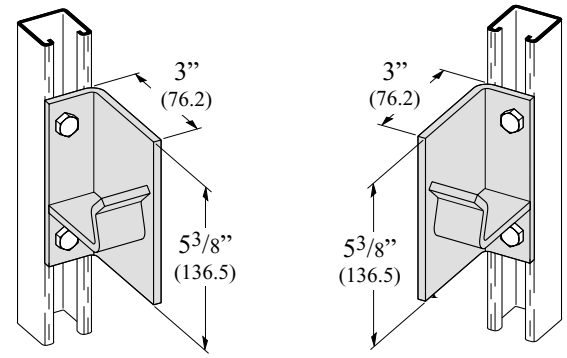
NEW



Part No.	D		H	
	In.	mm	In.	mm
B809B-6	6"	(152.4)	12 3/4"	(323.9)
B809B-8	8"	(203.2)	14 3/4"	(374.7)
B809B-10	10"	(254.0)	16 3/4"	(425.5)
B809B-12	12"	(304.8)	18 3/4"	(476.2)
B809B-16	16"	(406.4)	22 3/4"	(577.8)
B809B-18	18"	(457.2)	24 3/4"	(628.6)
B809B-24	24"	(609.6)	27 3/4"	(704.8)

Reference page 58 for general fitting and standard finish specifications.

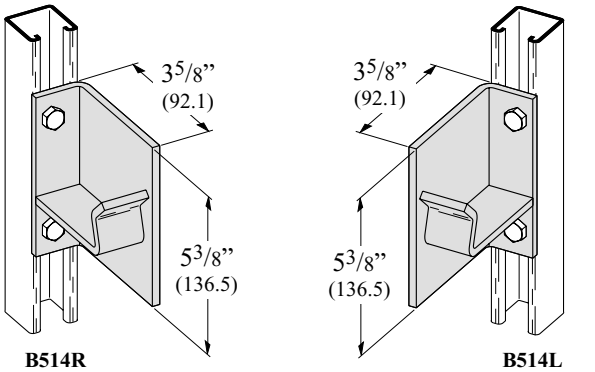
B214 R&L
REEL RACK SUPPORT FOR 1 1/4" (32) PIPE
- Standard finishes: ZN, GRN
- Wt./C 200 Lbs. (90.7 kg)



B214R
RIGHT HAND

B214L
LEFT HAND

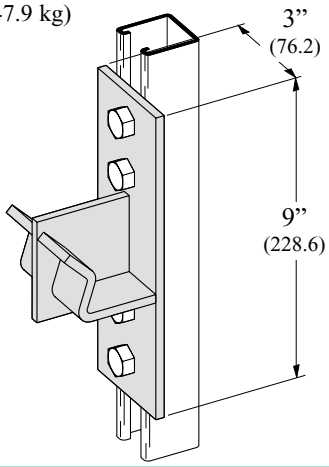
B514 R&L
REEL RACK SUPPORT FOR 2" (50) PIPE
- Standard finishes: ZN, GRN
- Wt./C 246 Lbs. (111.6 kg)



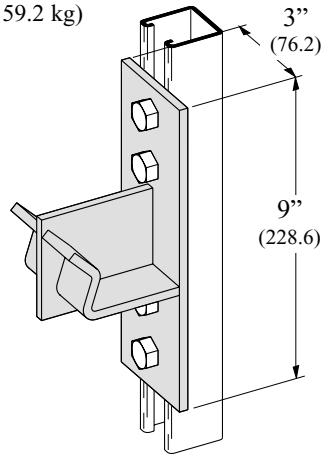
B514R
RIGHT HAND

B514L
LEFT HAND

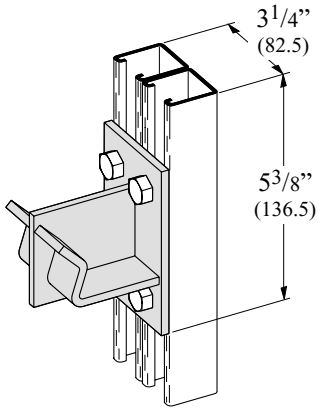
B475
DOUBLE REEL RACK SUPPORT ON SINGLE CHANNEL FOR 1 1/4" (32) PIPE
- Standard finishes: ZN, GRN
- Wt./C 326 Lbs. (147.9 kg)



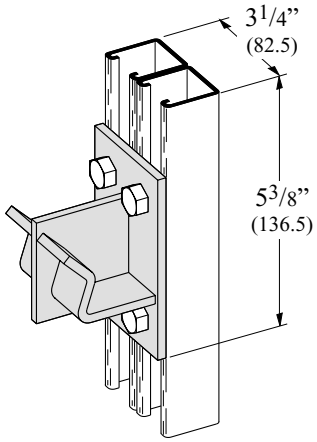
B473
DOUBLE REEL RACK SUPPORT ON SINGLE CHANNEL FOR 2" (50) PIPE
- Standard finishes: ZN, GRN
- Wt./C 351 Lbs. (159.2 kg)



B474
DOUBLE REEL RACK CHANNEL FOR 1 1/4" (32) PIPE
- Standard finishes: ZN, GRN
- Wt./C 257 Lbs. (116.6 kg)

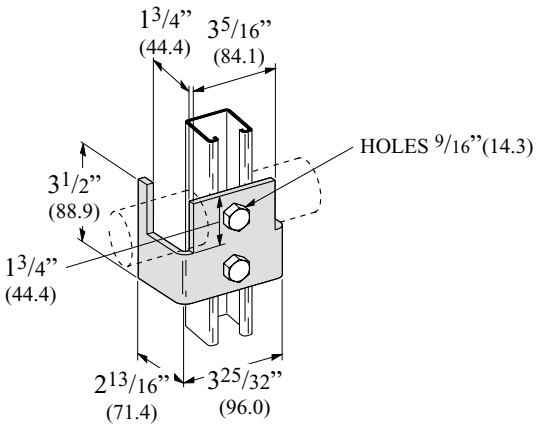


B472
DOUBLE REEL RACK SUPPORT ON DOUBLE CHANNEL FOR 2" (50) PIPE
- Standard finishes: ZN, GRN
- Wt./C 299 Lbs. (135.6 kg)

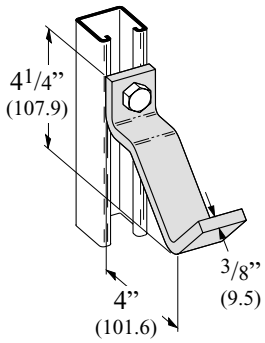


Reference page 58 for general fitting and standard finish specifications.

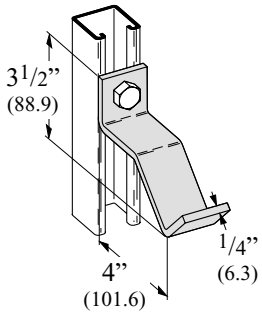
B664
DOUBLE PIPE SUPPORT FOR 1 1/4" (32) PIPE
•Standard finishes: ZN, GRN
•Wt./C 154 Lbs. (69.8 kg)



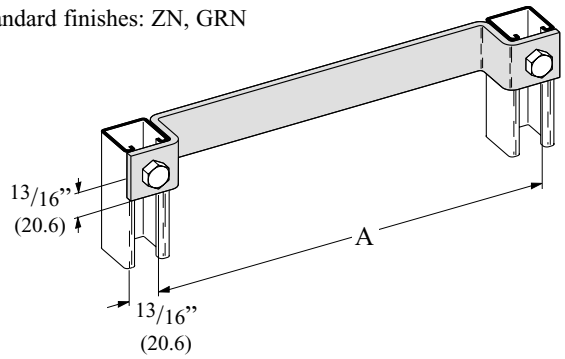
B438
PIPE SUPPORT BRACKET
•Standard finishes: ZN, GRN
•Material: ASTM A36
•Wt./C 132 Lbs. (59.9 kg)



B439
PIPE SUPPORT BRACKET
•Standard finishes: ZN, GRN
•Wt./C 88 Lbs. (39.9 kg)

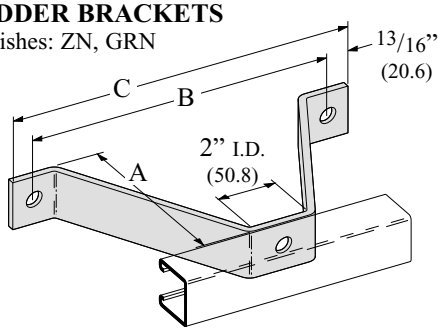


B411 SERIES
LADDER RUNGS
•Standard finishes: ZN, GRN



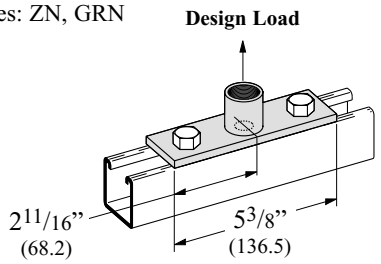
Part No.	A	(A)	Wt./C Lbs.	kg
B411-12	12"	(304.8)	176	(79.8)
B411-15	15"	(381.0)	202	(91.6)
B411-18	18"	(457.2)	234	(106.1)

B381-B385
WALL LADDER BRACKETS
•Standard finishes: ZN, GRN



Part No.	A	(A)	B	(B)	C	(C)	Wt./C Lbs.	kg
B381	2 3/8"	(60.3)	6"	(152.4)	7 5/8"	(193.7)	110	(49.9)
B382	4 3/8"	(111.1)	8"	(203.2)	9 5/8"	(244.5)	164	(74.4)
B383	6 3/8"	(161.9)	10"	(254.0)	11 5/8"	(295.3)	200	(90.7)
B384	6 3/8"	(212.7)	12"	(304.8)	13 5/8"	(346.1)	253	(114.7)
B385	6 3/8"	(263.5)	14"	(355.6)	15 5/8"	(396.9)	318	(144.2)

B587-1/2, 3/4 & 1
PIPE COUPLING FITTING
•Safety Factor of 2.5
•Standard finishes: ZN, GRN



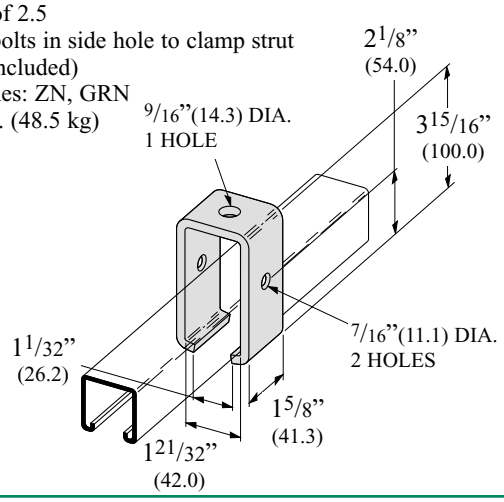
Part No.	For Pipe Size		Wt./C Lbs.	kg	Design Load Lbs.	kN
B587-1/2	1/2"	(15)	77	(34.9)	1000	(4.45)
B587-3/4	3/4"	(20)	84	(38.1)	1400	(6.23)
B587-1	1"	(25)	105	(47.6)	1900	(8.45)

Reference page 58 for general fitting and standard finish specifications.

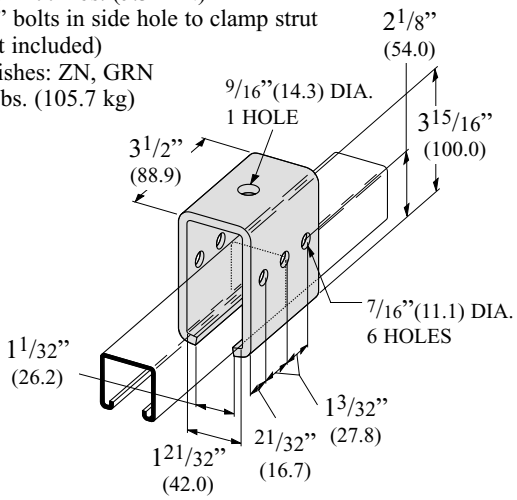
MISCELLANEOUS FITTINGS

B-Line

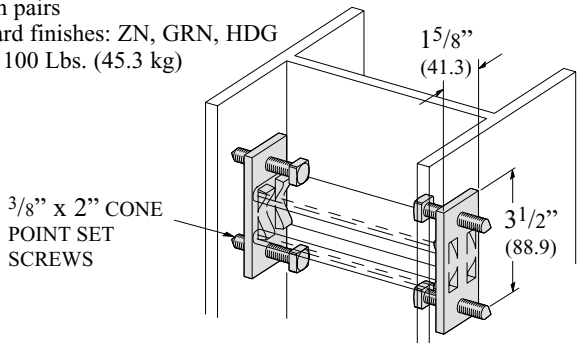
B349
TROLLEY BEAM SUPPORT
- Design Load 1200 Lbs. (5.34 kN)
- Safety Factor of 2.5
- Use 3/8" x 3" bolts in side hole to clamp strut together (not included)
- Standard finishes: ZN, GRN
- Wt./C 107 Lbs. (48.5 kg)



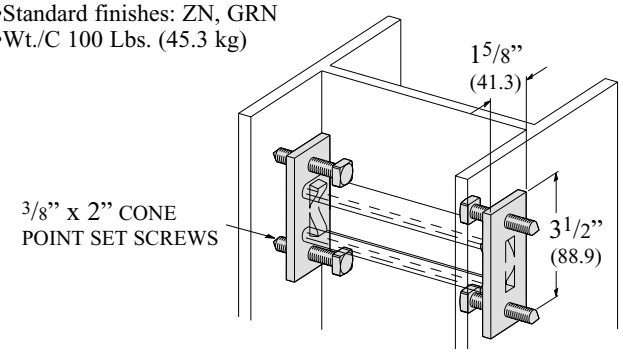
B350
TROLLEY BEAM JOINT SUPPORT
- Design Load 1200 Lbs. (5.34 kN)
- Use 3/8" x 3" bolts in side hole to clamp strut together (not included)
- Standard finishes: ZN, GRN
- Wt./C 233 Lbs. (105.7 kg)



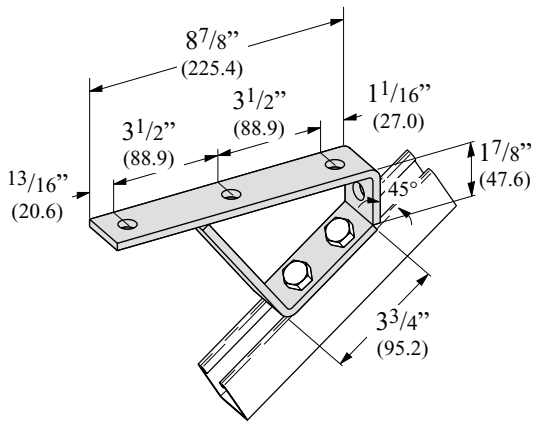
B613
COLUMN SUPPORT FOR B22 & B24
- Design Load 800 Lbs.
- Safety Factor of 3
- For B22 and B24 Channel
- Setscrews included
- Setscrews to be torqued to 19ft./Lbs
- Sold in pairs
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)



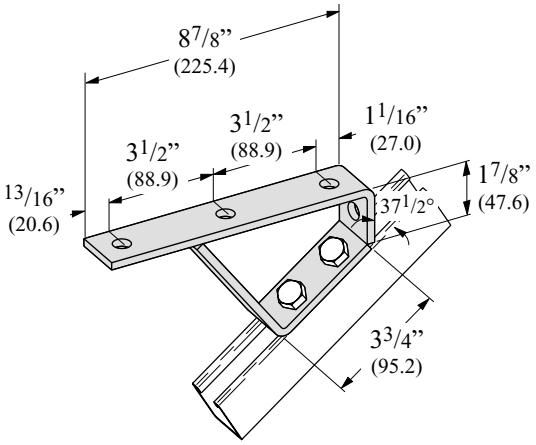
B613A
COLUMN SUPPORT FOR B52 & B54
- Design Load 800 Lbs.
- Safety Factor of 3
- For B52 and B54 Channel
- Setscrews included
- Setscrews to be torqued to 19ft./Lbs
- Sold in pairs
- Standard finishes: ZN, GRN
- Wt./C 100 Lbs. (45.3 kg)



B560
45° STAIR SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 220 Lbs. (99.8 kg)



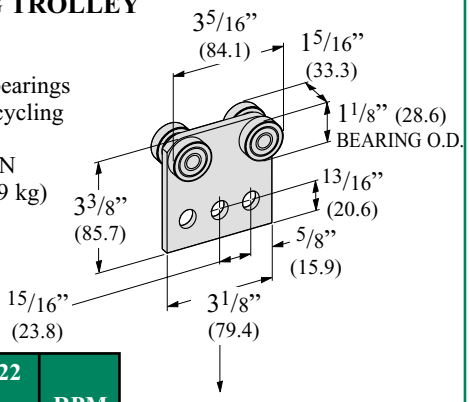
B562
37-1/2° STAIR SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 206 Lbs. (93.4 kg)



Reference page 58 for general fitting and standard finish specifications.

B376
FOUR BEARING TROLLEY ASSEMBLY

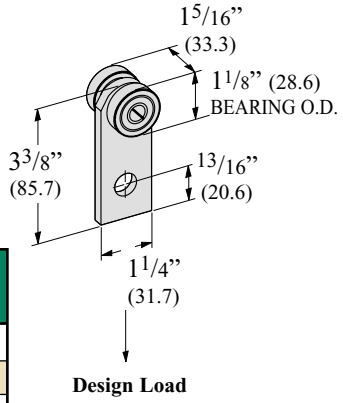
- Safety Factor of 2.5
- Stainless steel ball bearings
- Not for continuous cycling applications
- Standard finishes: ZN
- Wt./C 110 Lbs. (49.9 kg)



Design Load in B22 Lbs.	kN	RPM
300	(1.33)	@600
450	(2.00)	@300
600	(2.67)	@100

B377
TWO BEARING TROLLEY ASSEMBLY

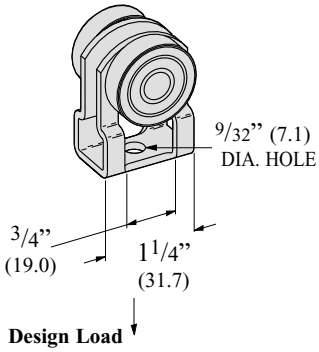
- Safety Factor of 2.5
- Stainless steel ball bearings
- Not for continuous cycling applications
- Standard finishes: ZN
- Wt./C 48 Lbs. (21.8 kg)

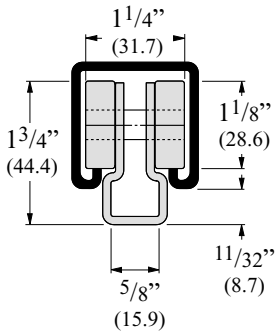


Design Load in B22 Lbs.	kN	RPM
150	(.67)	@600
225	(1.00)	@300
437	(1.94)	@100

B477
TWO BEARING LIGHT DUTY TROLLEY ASSEMBLY

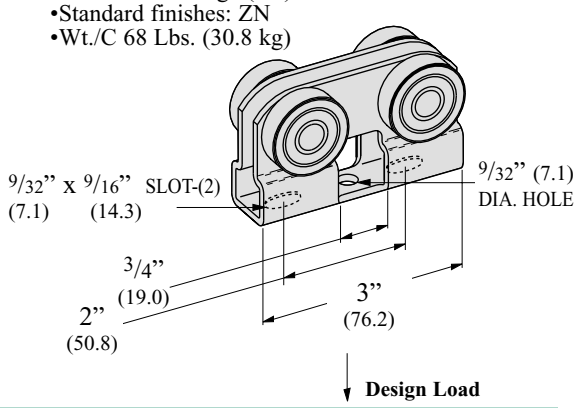
- Design Load 50 Lbs. (.22 kN)
- Safety Factor of 2.5
- Stainless steel ball bearings
- Not for continuous cycling applications
- Material:12 Gauge (2.6) ASTM A570 Gr. 33
- Standard finishes: ZN
- Wt./C 30 Lbs. (13.6 kg)





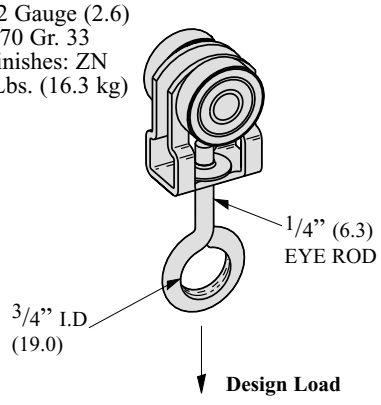
B478
FOUR BEARING LIGHT DUTY TROLLEY ASSEMBLY

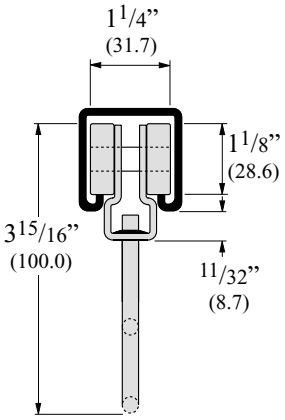
- Design Load 100 Lbs. (.44 kN)
- Safety Factor of 2.5
- Stainless steel ball bearings
- Not for continuous cycling applications
- Material:12 Gauge (2.6) ASTM A570 Gr. 33
- Standard finishes: ZN
- Wt./C 68 Lbs. (30.8 kg)



B477H
TWO BEARING LIGHT DUTY TROLLEY ASSEMBLY WITH EYE HOOK

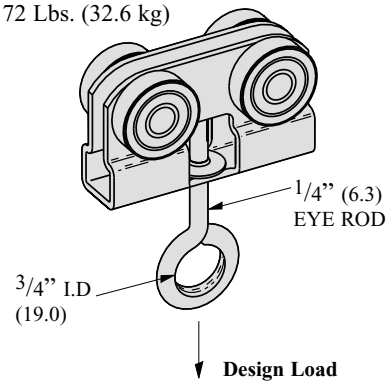
- Design Load 50 Lbs. (.22 kN)
- Safety Factor of 2.5
- Stainless steel ball bearings
- Not for continuous cycling applications
- Material:12 Gauge (2.6) ASTM A570 Gr. 33
- Standard finishes: ZN
- Wt./C 36 Lbs. (16.3 kg)





B478H
FOUR BEARING LIGHT DUTY TROLLEY ASSEMBLY WITH EYE HOOK

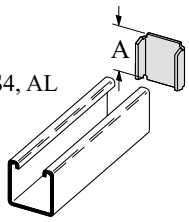
- Design Load 100 Lbs. (.44 kN)
- Safety Factor of 2.5
- Stainless steel ball bearings
- Not for continuous cycling applications
- Material:12 Gauge (2.6) ASTM A570 Gr. 33
- Standard finishes: ZN
- Wt./C 72 Lbs. (32.6 kg)



MISCELLANEOUS FITTINGS

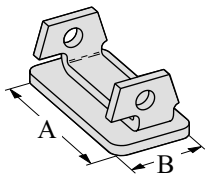
B-Line

B203-B206 & B220-B223
CHANNEL END CAPS TYPE X
•Material: ASTM A570 Gr. 33
•Standard finishes: ZN, GRN, HDG, SS4, AL



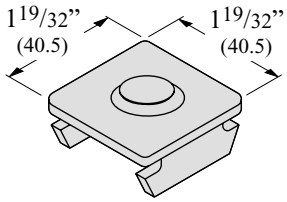
Part No.	Use With	A	(A)	Wt./C Lbs.	kg
B203	B42	1.015	(25.8)	6	(2.7)
B204	B54	.827	(21.0)	5	(2.2)
B205	B22	1.640	(41.6)	10	(4.5)
B206	B32	1.390	(35.3)	8	(3.6)
B220	B52	.827	(21.0)	4	(1.8)
B221	B12	2.452	(62.3)	15	(6.8)
B222	B11	3.265	(82.9)	20	(9.1)
B223	B24	1.640	(41.6)	10	(4.5)

B283-B286
CHANNEL END CAPS
•Material: ASTM A570 Gr. 33
•Standard finishes: ZN, GRN



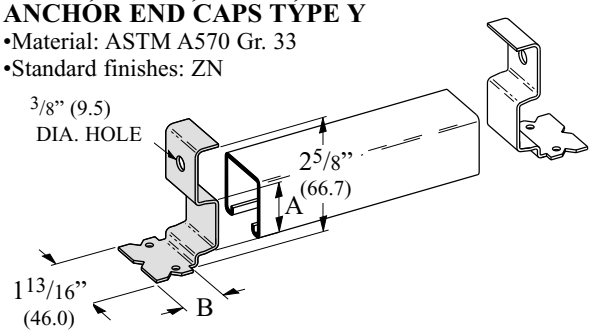
Part No.	Use With	A	(A)	B	(B)	Wt./C Lbs.	kg
B283	B52	1 19/32"	(40.5)	25/32"	(19.8)	6	(2.7)
B284	B54 & B56	1 19/32"	(40.5)	25/32"	(19.8)	6	(2.7)
B285	B22	1 19/32"	(40.5)	1 19/32"	(40.5)	13	(5.9)
B286	B24 & B26	1 19/32"	(40.5)	1 19/32"	(40.5)	14	(6.3)

B287 & B288
CHANNEL END CAPS
•Material: ASTM A570 Gr. 33
•Standard finishes: ZN, GRN



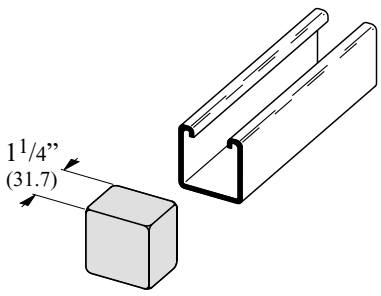
Part No.	Use With	Wt./C Lbs.	kg
B287	B22	13	(5.9)
B288	B24	14	(6.3)

B3322, B3332, B3342, B3352
ANCHOR END CAPS TYPE Y
•Material: ASTM A570 Gr. 33
•Standard finishes: ZN

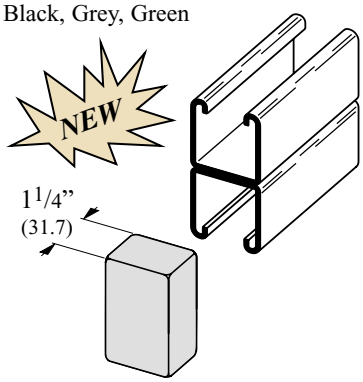


Part No.	Use With	A	(A)	B	(B)	Wt./C Lbs.	kg
B3322	B22I	1.270	(32.2)	1 3/16"	(30.2)	15	(6.8)
B3332	B32I	1.000	(25.4)	1 3/16"	(30.2)	15	(6.8)
B3342	B42I	.645	(16.4)	1 1/4"	(31.8)	15	(6.8)
B3352	B52I	.460	(11.7)	1 5/16"	(33.3)	15	(6.8)

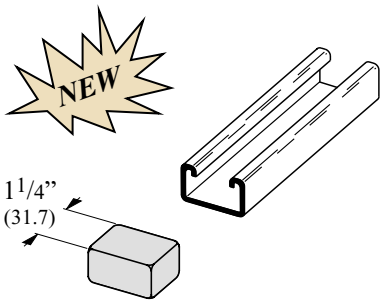
B822
PLASTIC END CAP FOR B22 & B24
•Material: Soft White PVC
•Wt./C 3 Lbs. (1.3 kg)
•Available in colors: White, Yellow, Black, Grey, Green



B822A
PLASTIC END CAP FOR B22A & B11
•Material: Soft White PVC
•Wt./C 5 Lbs. (2.2 kg)
•Available in colors: White, Yellow, Black, Grey, Green



B852
PLASTIC END CAP FOR B52
•Material: Soft White PVC
•Wt./C 2.5 Lbs. (1.1 kg)
•Available in colors: White, Yellow, Black, Grey, Green



Reference page 58 for general fitting and standard finish specifications.

NOTES

BEAM CLAMPS

B-Line's beam attachments and pipe supports offered in this section are designed to provide supports without drilling or welding . A complete selection of beam clamps, pipe clamps, rollers, supports and accessories are designed for use with B-Line channels and offer many installation advantages.

Materials & Finishes*

Pipe clamps, pipe hangers, beam clamps, brackets, and rollers are made from low carbon steel strips, plates or rod unless noted.

Finish Code	Finish	Specification
PLN	Plain	ASTM A907/A570 Gr. 33
ZN	Electro-Plated Zinc	ASTM B633 SC3 Type III
GRN	Dura-Green	TT-C-490B
–	Malleable Iron	ASTM A47 Gr. 32510
HDG	Hot-Dipped Galvanized	ASTM A123
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A240
AL	Aluminum	ASTM B209

*Unless otherwise noted.

Load Data

The load data published includes a safety factor of 5.0 unless noted (safety factor = ratio of ultimate load to the design load).

Recommended Torque For Setscrews (unless noted)

Setscrew Size	1/4-20	3/8-16	1/2-13
Foot/Lbs.	4	5	11
Nm	5	7	15

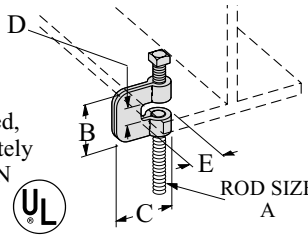
Setscrew Size	5/8-11	3/4-10
Foot/Lbs.	21	34
Nm	28	46

See chart on page 58 for bolt torque.

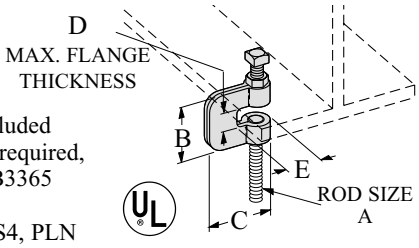
Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

B351
STEEL C-CLAMP
- Safety Factor of 5
- Setscrew included
- When Retaining Strap is required, order B3362 thru B3365 separately
- Standard finishes: ZN, SS4, PLN

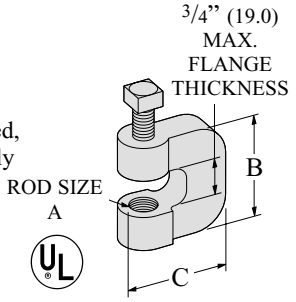


B351L
STEEL C-CLAMP WITH LOCKNUT
- Safety Factor of 5
- Setscrew and locknut included
- When Retaining Strap is required, order B3362, B3363 or B3365 separately
- Standard finishes: ZN, SS4, PLN

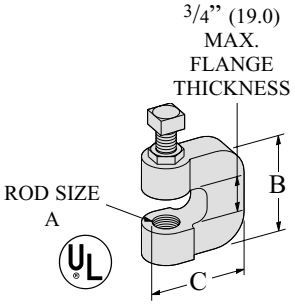


Part Number Without Locknut	Part Number With Locknut	Rod Size A	B		C		D		E		Design Load Lbs.	Design Load kg	Wt./C B351 Lbs.	Wt./C B351 kg	Wt./C B351L Lbs.	Wt./C B351L kg
B351-3/8	B351L-3/8	3/8"-16	2 3/8"	(60.3)	2 3/8"	(60.3)	3/4"	(19.0)	1 3/8"	(34.9)	230	(1.03)	40	(18.1)	41	(18.6)
B351-1/2	B351L-1/2	1/2"-13	2 3/8"	(60.3)	2 3/8"	(60.3)	3/4"	(19.0)	1 3/8"	(34.9)	380	(1.71)	40	(18.1)	41	(18.6)
B351-5/8	B351L-5/8	5/8"11	2 3/8"	(60.3)	2 1/4"	(57.1)	3/4"	(19.0)	1 3/8"	(34.9)	550	(2.47)	58	(26.3)	60	(27.2)
B351-3/4	B351L-3/4	3/4"-10	2 3/8"	(60.3)	3 1/4"	(82.5)	3/4"	(19.0)	1 3/8"	(34.9)	630	(2.83)	66	(29.9)	71	(32.2)
B351-7/8	B351L-7/8	7/8"-9	3"	(76.2)	3 1/4"	(82.5)	1"	(25.4)	1 7/8"	(47.6)	1200	(5.34)	178	(80.7)	184	(83.4)

B3036
C-CLAMP
- Safety Factor of 5
- Setscrew included
- When Retaining Strap is required, order B3363 or B3364 separately
- Material: Malleable iron
- Standard finishes: ZN, PLN

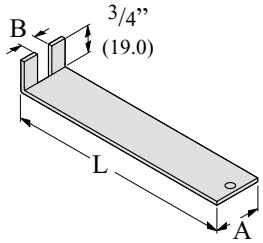


B3036L
C-CLAMP WITH LOCKNUT
- Safety Factor of 5
- When Retaining Strap is required, order B3363 or B3364 separately
- Setscrew and locknut included
- Material: Malleable iron
- Standard finishes: ZN, PLN



Part Number Without Locknut	Part Number With Locknut	Rod Size A	B		C		Design Load Lbs.	Design Load kg	Wt./C B351 Lbs.	Wt./C B351 kg	Wt./C B351L Lbs.	Wt./C B351L kg
B3036-3/8	B3036L-3/8	3/8"-16	1 3/4"	(44.4)	1 3/4"	(44.4)	400	(1.78)	28	(12.7)	29	(13.1)
B3036-1/2	B3036L-1/2	1/2"-13	1 3/4"	(44.4)	1 3/4"	(44.4)	400	(1.78)	27	(12.2)	28	(12.7)
B3036-5/8	B3036L-5/8	5/8"-11	2"	(50.8)	1 7/8"	(47.6)	450	(2.00)	53	(24.0)	55	(24.9)
B3036-3/4	B3036L-3/4	3/4"-10	2"	(50.8)	2"	(50.8)	500	(2.22)	67	(30.4)	72	(32.6)

B3362 THRU B3365
RETAINING STRAP
- *When ordering specify L (Length) as a suffix to the part number
- Material: 11 Gauge (3.0)
- Standard finishes: ZN, SS4, PLN

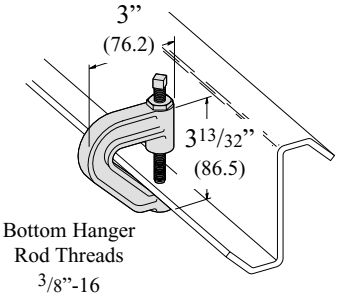


Part No.	Wt./C for Length L of 6" (152.4) Lbs.	6" (152.4) kg	8" (203.2) Lbs.	8" (203.2) kg	10" (254.0) Lbs.	10" (254.0) kg	12" (304.8) Lbs.	12" (304.8) kg	A		B		For Use With
B3362*	27	(12.2)	35	(15.9)	44	(19.9)	52	(23.6)	1 1/4"	(31.7)	7/16"	(11.1)	B351-3/8 & 1/2
B3363*	26	(11.8)	35	(15.9)	43	(19.5)	52	(23.6)	1 1/4"	(31.7)	5/8"	(15.9)	B351-5/8 & 3/4 B3036-3/8 & 1/2
B3364*	26	(11.8)	35	(15.9)	43	(19.5)	52	(23.6)	1 1/4"	(31.7)	11/16"	(17.4)	B3036-5/8 & 3/4
B3365*	32	(14.5)	42	(19.0)	52	(23.6)	62	(28.1)	1 1/2"	(38.1)	3/4"	(19.0)	B351-7/8

*See note above.

B3037
Z-PURLIN C-CLAMP
- Design Load 500 Lbs. (2.22 kN)
- Safety Factor of 5
- Designed for attaching a 3/8"-16 hanger rod to the bottom flange of a Z-purlin
- Setscrew and locknut included
- Material: Malleable iron, ASTM A47 Gr. 32510
- Standard finishes: ZN, PLN

NEW



Reference page 98 for general fitting and standard finish specifications.

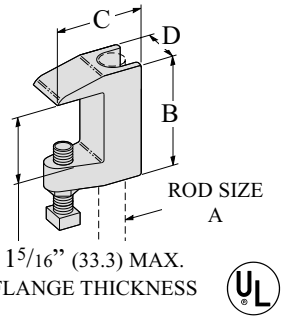
BEAM CLAMPS

B-Line

B3033
WIDE JAW WEDGE C-CLAMP (MALLEABLE IRON)

- Safety Factor of 5
- 1 5/16" (33.3) Max. Flange Thickness
- Setscrew and locknut included
- Material: Malleable iron, ASTM A47 Gr. 32510
- Standard finishes: ZN, PLN

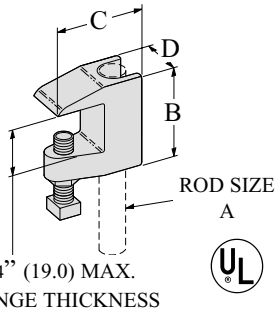
Part No.	Rod Size A	B		C		D		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3033-3/8	3/8"-16	2 1/8"	(54.0)	1 15/16"	(49.2)	15/16"	(23.8)	500	(2.22)	54	(24.5)
B3033-1/2	1/2"-13	2 1/8"	(54.0)	1 15/16"	(49.2)	15/16"	(23.8)	700	(3.11)	51	(23.1)
B3033-5/8	5/8"-11	2 3/8"	(60.3)	2 3/16"	(55.5)	15/16"	(30.1)	900	(4.00)	70	(31.7)
B3033-3/4	3/4"-10	2 1/2"	(63.5)	2 7/16"	(61.9)	1 1/4"	(31.7)	900	(4.00)	98	(44.4)



B3034
WEDGE C-CLAMP

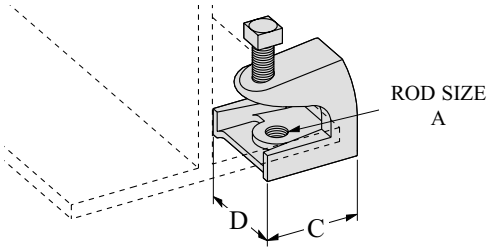
- Safety Factor of 5
- 3/4" (19.0) Max. Flange Thickness
- Setscrew and locknut included
- Material: Malleable iron, ASTM A47 Gr. 32510
- Standard finishes: ZN, PLN

Part No.	Rod Size A	B		C		D		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3034-3/8	3/8"-16	1 7/16"	(36.5)	1 3/4"	(44.4)	3/4"	(19.0)	400	(1.78)	30	(13.6)
B3034-1/2	1/2"-13	1 9/16"	(39.7)	2"	(50.8)	1"	(25.4)	700	(3.11)	47	(21.3)



B444
SERIES ROD SUPPORT

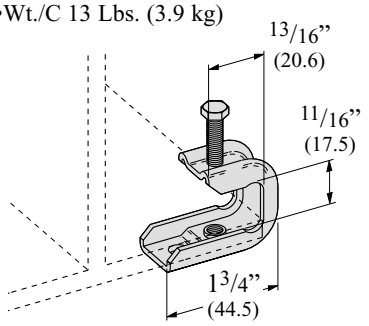
- Safety Factor of 5
- 1/2" (12.7) Max. Flange Thickness
- Setscrew included
- Material: Malleable iron
- Standard finish: ZN



Part No.	Rod Size A	Set Screw	C		D		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B444-1/4	1/4"-20	1/4"-20	1 3/8"	(34.9)	1 3/16"	(30.1)	150	(.66)	24	(10.9)
B444-5/16	5/16"-18	1/4"-20	1 3/8"	(34.9)	1 3/16"	(30.1)	150	(.66)	23	(10.4)
B444-3/8	3/8"-16	1/2"-16	1 7/8"	(47.6)	1/4"	(50.8)	350	(7.12)	65	(29.5)
B444-1/2	1/2"-13	5/8"-11	2 3/8"	(60.3)	2 1/2"	(63.5)	1000	(4.45)	132	(59.9)

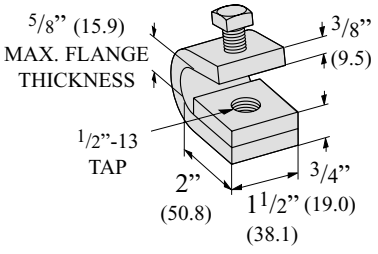
B442
LIGHT DUTY BEAM CLAMP

- Design Load 75 Lbs. (.33 kN)
- Safety Factor of 5
- 11/16" (17.5) Max. Flange Thickness
- Setscrew included
- Holes tapped 1/4"-20
- Material: 13 Gauge (2.3)
- Standard finish: ZN
- Wt./C 13 Lbs. (3.9 kg)



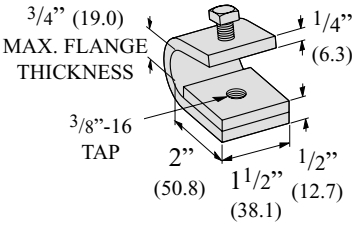
B210
BEAM CLAMP

- Design Load 800 Lbs. (3.56 kN)
- Safety Factor of 5
- 5/8" (15.9) Max. Flange Thickness
- 1/2"-13 Setscrew included
- Standard finish: ZN
- Wt./C 100 Lbs. (45.3 kg)



B210A
BEAM CLAMP

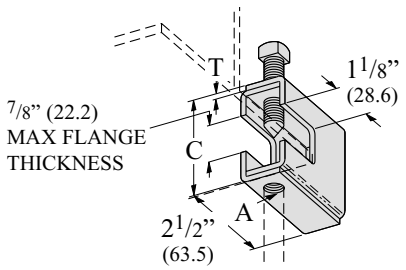
- Design Load 300 Lbs. (1.33 kN)
- Safety Factor of 5
- 3/4" (19.0) Max. Flange Thickness
- 3/8"-16 Setscrew included
- Standard finish: ZN
- Wt./C 60 Lbs. (27.2 kg)



Reference page 98 for general fitting and standard finish specifications.

B303 THRU B309
BEAM CLAMPS

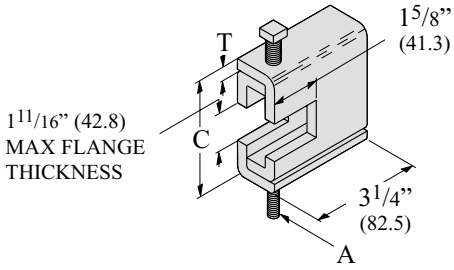
- Safety Factor of 5
- 7/8" (22.2) Max. Flange Thickness
- Setscrew included
- When Retaining Strap is required, order B312 separately
- Recommended Setscrew Torque:
  3/8"-16 150 in-lbs. (16.9 N•m)
  1/2"-13 350 in-lbs. (39.5 N•m)
- Standard finishes: ZN, HDG



Part No.	Rod Size A	Set Screw	C		T		Design Load Lbs.	kN	Wt./C Lbs.	kg
B303	1/4"-20	3/8"-16	2 5/16"	(58.7)	11 Ga.	(3.0)	400	(1.78)	72	(32.6)
B304	5/16"-18	3/8"-16	2 5/16"	(58.7)	11 Ga.	(3.0)	600	(2.67)	72	(32.6)
B305	3/8"-16	3/8"-16	2 5/16"	(58.7)	11 Ga.	(3.0)	600	(2.67)	72	(32.6)
B306	3/8"-16	1/2"-13	2 7/16"	(61.9)	7 Ga.	(4.5)	1100	(4.89)	97	(44.0)
B307	1/2"-13	1/2"-13	2 7/16"	(61.9)	7 Ga.	(4.5)	1100	(4.89)	97	(44.0)
B308	1/2"-13	1/2"-13	2 9/16"	(65.1)	1/4"	(6.3)	1500	(6.67)	133	(60.3)
B309	5/8"-11	1/2"-13	2 9/16"	(65.1)	1/4"	(6.3)	1500	(6.67)	133	(60.3)

B321
SERIES BEAM CLAMPS

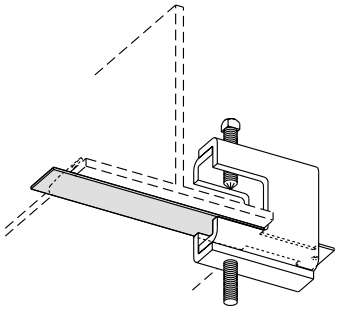
- Safety Factor of 5
- 1 11/16" (42.8) Max. Flange Thickness
- Setscrew included
- When Retaining Strap is required, order B312 separately
- Recommended Setscrew Torque:
  1/2"-13 350 in-lbs. (39.5 N•m)
  5/8"-11 700 in-lbs. (79.0 N•m)
- Minimum flange thickness:
  B321-1 thru B321-3 3/8" (9.5)
  B321-4 and B321-5 5/8" (15.9)
- Standard finishes: ZN, HDG



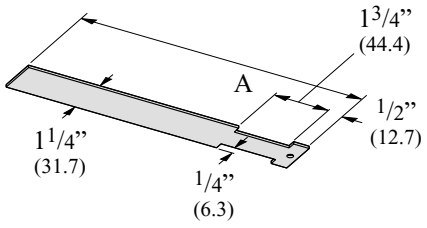
Part No.	Rod Size A	Setscrew	C		T		Design Load Lbs.	kN	Wt./C Lbs.	kg
B321-1	3/8"-16	1/2"-13	3 9/16"	(92.1)	1/4"	(6.3)	1300	(5.78)	187	(84.8)
B321-2	1/2"-13	1/2"-13	3 9/16"	(92.1)	1/4"	(6.3)	1400	(6.23)	186	(84.3)
B321-3	5/8"-11	1/2"-13	3 9/16"	(92.1)	1/4"	(6.3)	1600	(7.12)	185	(83.9)
B321-4	5/8"-11	5/8"-11	3 23/32"	(94.4)	5/16"	(7.9)	1800	(8.00)	239	(108.4)
B321-5	3/4"-10	5/8"-11	3 23/32"	(94.4)	5/16"	(7.9)	2000	(8.89)	238	(107.9)

B312 SERIES
RETAINING STRAP FOR USE WITH B303 THRU B309 AND B321 SERIES

- 3/4" (19.0) Max. Flange Thickness
- For thicker beams, step up one flange width size
- Material: 14 Gauge (1.9)
- Standard finishes: ZN, HDG



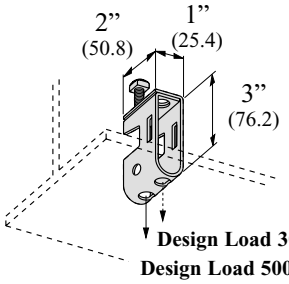
Part No.	For Flange Width		A		Wt./C Lbs.	kg
B312-6	6"	(152.4)	9"	(228.6)	22	(10.0)
B312-9	9"	(228.6)	12"	(304.8)	30	(13.6)
B312-12	12"	(304.8)	15"	(381.0)	40	(18.1)
B312-15	15"	(381.0)	18"	(457.2)	49	(22.2)



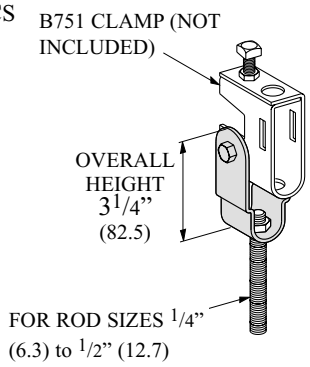
BEAM CLAMPS

B-Line

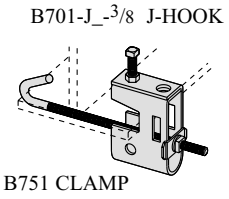
B751
BEAM CLAMP
- Safety Factor of 5
- 3/4" (19.0) Max. Flange Thickness
- Setscrew and Locknut included
- Maximum ATR Size 1/2"
- Use B753 Swivel Nut (not included)
- Material: 12 Gauge (2.6)
- Standard finish: ZN, HDG
- Wt./C 42 Lbs. (19.0 kg)



B752
BEAM CLAMP SWIVEL
- Design Load 500 Lbs. (2.22 kN)
- Safety Factor of 5
- Material: 12 Gauge (2.6)
- Includes:
  1 pc. B752 Swivel Body
  1 pc. 5/16"-18 x 1 3/4" HHCS
  1 pc. 5/16"-18 Hex Nut
- Standard finish: ZN
- Wt./C 30 Lbs. (13.6 kg)

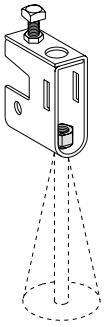


B751-J_-3/8
BEAM CLAMP ASSEMBLY
- Includes:
  1 pc. B751 Beam Clamp
  1 pc. B701 Type J-Hook only
  1 pc. SA203-158 Clip
  1 pc. 3/8"-16 Hex Nut
- 1/4" (6.3) Diameter J-Hook available upon request
  Part Number changes to B751-J_-1/4 and a 1/4-20
  Machine Square Nut (MSQN) is used
- Standard finishes: ZN



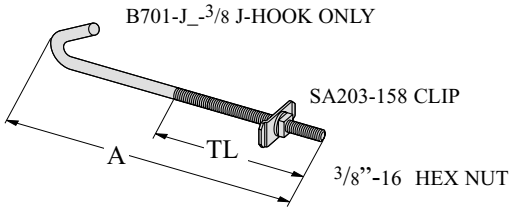
Part No.	For Flange Width		Wt./C Lbs.	kg
B751-J4-3/8	3"-6"	(76.2-152.4)	70	(31.7)
B751-J6-3/8	5"-9"	(127.0-228.6)	78	(35.4)
B751-J9-3/8	8"-12"	(203.2-304.8)	83	(37.6)
B751-J12-3/8	11"-15"	(279.4-381.0)	88	(39.9)

B753
SWIVEL NUT
- Provides a full swivel of 15° in any direction
  Specify rod size
- Standard finish: ZN



Part No.	For Rod Size	Wt./C Lbs.	kg
B753-1/4	1/4"-20	4.5	(2.0)
B753-3/8	3/8"-16	4.0	(1.8)
B753-1/2	1/2"-13	3.4	(1.5)

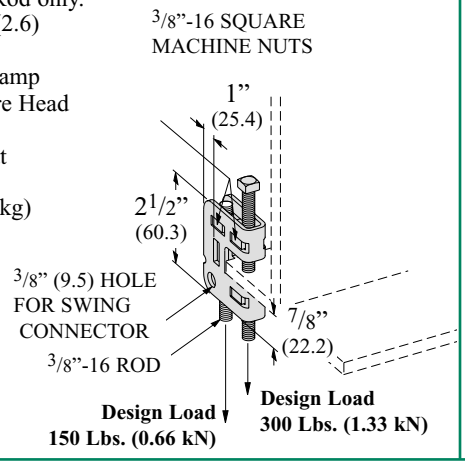
B701 SERIES
J-HOOK
- 1/4" (6.3) Diameter J-Hook available upon request
  Part Number changes to B751-J_-1/4 and a 1/4-20
  Machine Square Nut (MSQN) is used
- Standard finish: ZN



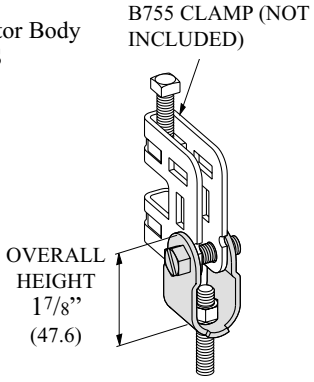
Part No.	A		Thread Length TL		Wt./C Lbs.	kg
B701-J4-3/8	8 3/4"	(222.2)	5 1/2"	(139.7)	26	(11.8)
B701-J6-3/8	11 3/4"	(298.4)	6 1/2"	(165.1)	34	(15.4)
B701-J9-3/8	14 3/4"	(374.6)	6 1/2"	(165.1)	41	(18.6)
B701-J12-3/8	17 3/4"	(450.8)	6 1/2"	(165.1)	48	(21.8)

Reference page 98 for general fitting and standard finish specifications.

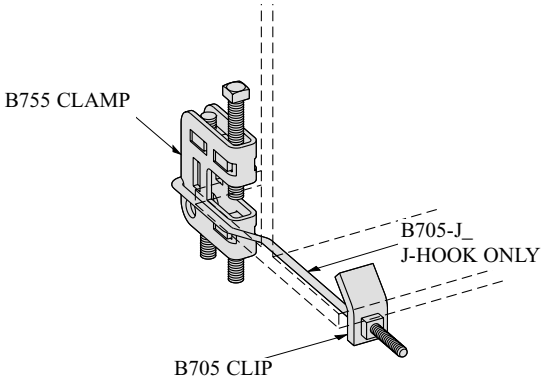
B755
3/8 BEAM CLAMP
- Safety Factor of 5
- 5/8" (15.9) Max. Flange Thickness
- For 3/8"-16 Hanger Rod only.
- Material: 12 Gauge (2.6)
- Includes:
  1 pc. B755 Beam Clamp
  1 pc. 3/8" x 2" Square Head Set Screw
  1 pc. 3/8" Square Nut
- Standard finish: ZN
- Wt./C 30 Lbs. (13.6 kg)



B756-3/8
SWING CONNECTOR
- Design Load 150 Lbs. (0.66 kN)
- Safety Factor of 5
- Material: 12 Gauge (2.6)
- Includes:
  1 pc. B756-3/8 Swing Connector Body
  1 pc. 5/16"-18 x 1 1/4" SHHMS
  1 pc. 5/16"-18 Square Nut
- Standard finish: ZN
- Wt./C 15 Lbs. (6.8 kg)

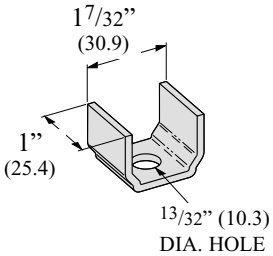


B755-3/8-J_
BEAM CLAMP ASSEMBLY
- Includes:
  1 pc. B755-3/8 Beam Clamp
  1 pc. B705 Type J-Hook only
  1 pc. B705 Clip
  1 pc. 1/4"-20 Square Nut
- Standard finish: ZN

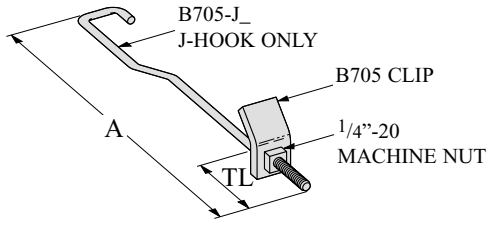


Part No.	For Flange Width		Wt./C Lbs.	kg
B755-3/8-J4	4"-6"	(101.6-152.4)	47	(21.3)
B755-3/8-J6	6"-10"	(152.4-254.0)	51	(23.1)
B755-3/8-J10	10"-12"	(254.0-304.8)	53	(24.0)
B755-3/8-J12	12"-14"	(304.8-355.6)	55	(24.9)

B702
CLEAT
- To eliminate the swiveling of the rod when required, use the B702 Cleat and a locking nut. This can be used with the B751 Beam Clamp, B752 Swivel or B756 Swing Connector.
- Material: 12 Gauge (2.6)
- Standard finish: ZN
- Wt./C 6 Lbs. (2.7 kg)



B705 SERIES
J-HOOK
- Use with B755-3/8
- Standard finish: ZN



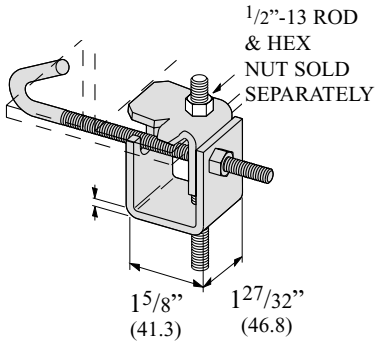
Part No.	A		Thread Length TL		Wt./C Lbs.	kg
B705-J4	7 3/8"	(187.3)	3"	(76.2)	17	(7.7)
B705-J6	11 3/8"	(288.9)	4 1/2"	(114.3)	21	(9.5)
B705-J10	13 3/8"	(339.7)	4 1/2"	(114.3)	23	(10.4)
B705-J12	15 3/8"	(390.5)	4 1/2"	(114.3)	25	(11.3)

Reference page 98 for general fitting and standard finish specifications.

BEAM CLAMPS

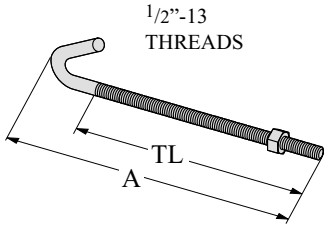
B-Line

B750 SERIES
BEAM CLAMP
•Safety Factor of 5
•Design Load 500 Lbs. (2.22 kN)
•Recommended Torque:
J-Hook Nut 125 in-lbs. (14.1 N•m)
•Material: 7 Gauge (4.6)
•Standard finish: ZN



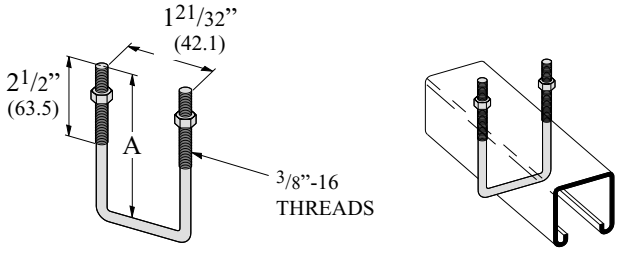
Part No.	For Flange Width		Wt./C Lbs.	kg
B750-J4	3"-6"	(76.2-152.4)	109	(49.4)
B750-J6	5"-9"	(127.0-228.6)	124	(56.2)
B750-J9	8"-12"	(203.2-304.8)	135	(61.2)
B750-J12	11"-15"	(279.4-381.0)	147	(66.7)

B700 SERIES
J-HOOK
•Includes:
1 pc. J-Bolt
1 pc. Hex Nut
•Standard finish: ZN



Part No.	A		Thread Length TL		Wt./C Lbs.	kg
B700-J4	8 1/2"	(215.9)	6 3/4"	(171.4)	44	(19.9)
B700-J6	11 1/2"	(292.1)	9 3/4"	(247.6)	53	(24.0)
B700-J9	14 1/2"	(368.3)	12 3/4"	(323.8)	63	(28.6)
B700-J12	17 1/2"	(444.5)	15 3/4"	(400.0)	78	(35.4)

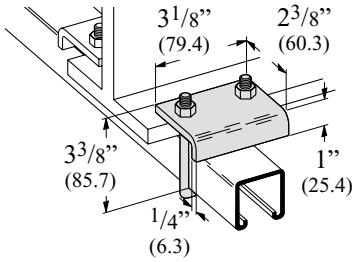
B500 SERIES
SQUARE U-BOLT
•Includes:
1 pc. U-Bolt only
2 pcs. 3/8"-16 Hex Nuts
•Additional sizes available
•Standard finish: ZN, SS4



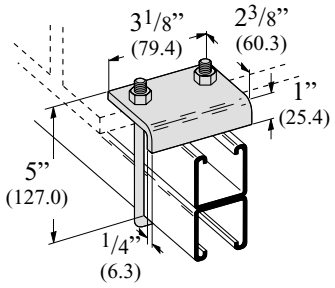
Part No.	A		Channel Size	Wt./C Lbs.	kg
B500-3-3/8	3 3/8"	(85.7)	1 5/8" x 1 5/8"	25	(11.3)
B500-5	5"	(127.0)	3 1/4" x 1 5/8"	33	(14.9)

Reference page 98 for general fitting and standard finish specifications.

B441-22
BEAM CLAMP
- Design Load 1200 Lbs. (5.34 kN) when used in pairs
- Safety Factor of 5
- 3/4" (19.0) Max. Flange Thickness
- For use with 13/16" (20.6) to 1 5/8" (41.3) high channel
- Recommended Torque: 150 in-lbs. (16.9 N•m)
- Sold in pieces
- Other flange thickness variations are available, contact B-Line Engineering for sizes
- Standard finishes: ZN, HDG, SS4
- Wt./C 87 Lbs. (39.4 kg)

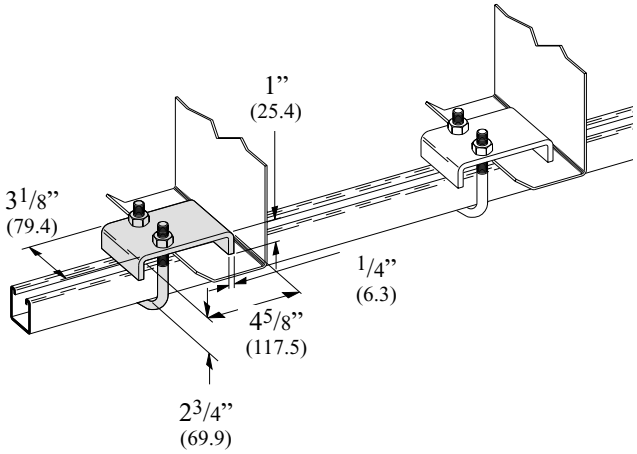


B441-22A
BEAM CLAMP
- Design Load 1200 Lbs. (5.34 kN) when used in pairs
- Safety Factor of 5
- 3/4" (19.0) Max. Flange Thickness
- For use with 1 5/8" (41.3) to 3 1/4" (82.5) high channel
- Recommended Torque: 150 in-lbs. (16.9 N•m)
- Sold in pieces
- Other flange thickness variations are available, contact B-Line Engineering for sizes
- Standard finishes: ZN, HDG, SS4
- Wt./C 93 Lbs. (42.2 kg)

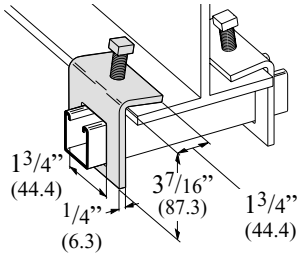


B441Z-22
BEAM CLAMP
- Design Load 1200 Lbs. (5.34 kN) when used in series
- Safety Factor of 5
- For use with 13/16" (20.6) to 1 5/8" (41.3) high channel
- Recommended Torque: 150 in-lbs. (16.9 N•m)
- Standard finishes: ZN
- Wt./C 95 Lbs. (43.1 kg)

NEW



B314
BEAM CLAMP
- Design Load 900 Lbs. (4.00 kN) when used in pairs
- Safety Factor of 5
- 5/8" (15.9) Max. Flange Thickness
- For use with channel 1 5/8" (41.3) in height
- Setscrew included
- Sold in pieces.
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 105 Lbs. (47.6 kg)

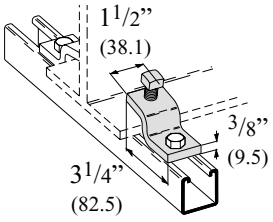


Reference page 98 for general fitting and standard finish specifications.

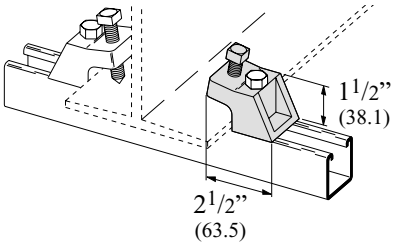
BEAM CLAMPS

B-Line

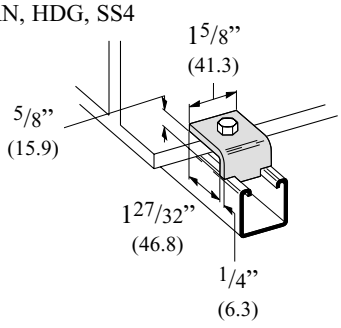
B211
ZEE BEAM CLAMP
- Design Load 600 Lbs. (2.67 kN) when used in pairs
- Safety Factor of 5
- 1" (25.4) Max. Flange Thickness
- 1/2"-13 Setscrew included
- Sold in pieces
- Order 1/2"-13 HHCS and Channel Nut separately
- Standard finishes: ZN, HDG
- Wt./C 66 Lbs. (29.9 kg)



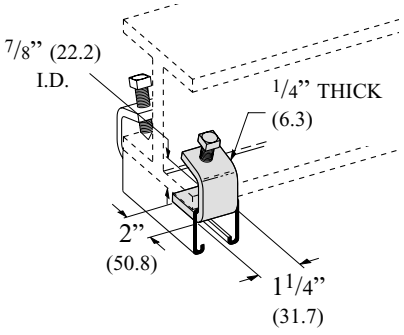
B213
I-BEAM CLAMP
- Design Load 900 Lbs. (4.00 kN) when used in pairs
- Safety Factor of 5
- 7/8" (22.2) Max. Flange Thickness
- 1/2"-13 Setscrew included
- Sold in pieces
- Order 1/2"-13 x 2 1/4" HHCS and Channel Nut separately
- Material: Malleable iron
- Standard finishes: ZN, GRN
- Wt./C 95 Lbs. (43.1 kg)



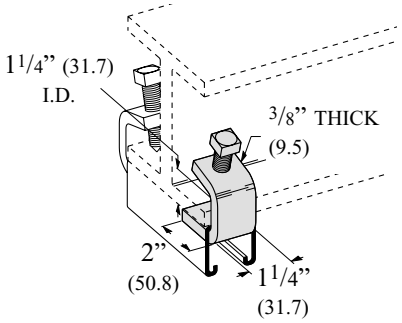
B355
BEAM CLAMP
- Design Load 1200 Lbs. (5.34 kN) when used in pairs
- Safety Factor of 5
- 5/8" (15.9) Max. Flange Thickness
- Sold in pieces
- Order 1/2"-13 x 1 1/2" HHCS and Channel Nut separately
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 30 Lbs. (13.6 kg)



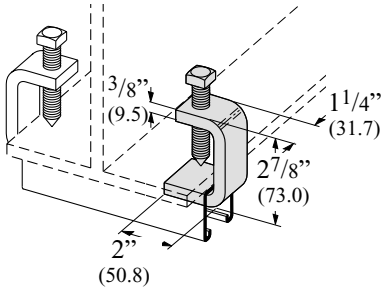
B212-1/4
I-BEAM CLAMP
- Design Load 600 Lbs. (2.67 kN) when used in pairs
- Safety Factor of 5
- 7/8" (22.2) Max. Flange Thickness
- 3/8"-16 Setscrew included
- Sold in pieces
- Standard finish: ZN
- Wt./C 41 Lbs. (18.6 kg)



B212-3/8
I-BEAM CLAMP
- Design Load 1000 Lbs. (4.45 kN) when used in pairs
- Safety Factor of 5
- 1 1/8" (28.6) Max. Flange Thickness
- 1/2"-13 Setscrew included
- Sold in pieces
- Standard finishes: ZN, HDG
- Wt./C 62 Lbs. (28.1 kg)

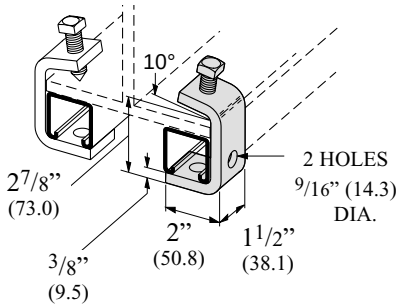


B435
BEAM CLAMP
- Design Load 900 Lbs. (4.00 kN) when used in pairs
- Safety Factor of 5
- 2 1/8" (54.0) Max. Flange Thickness
- 1/2"-13 x 2" Setscrew included
- Sold in pieces
- Standard finish: ZN
- Wt./C 82 Lbs. (37.2 kg)

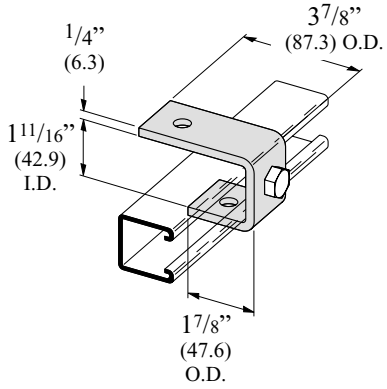


Reference page 98 for general fitting and standard finish specifications.

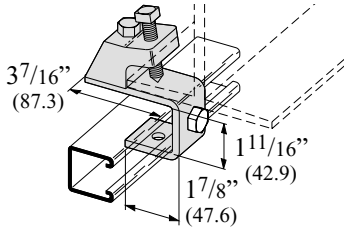
B427
BEAM CLAMP
- Design Load 1100 Lbs. (4.89 kN) when used in pairs
- Safety Factor of 5
- 2 1/2" (63.5) Max. Flange Thickness
- 1/2"-13 x 1 1/2" Setscrew included
- Sold in pieces
- Standard finish: ZN
- Wt./C 92 Lbs. (41.7 kg)



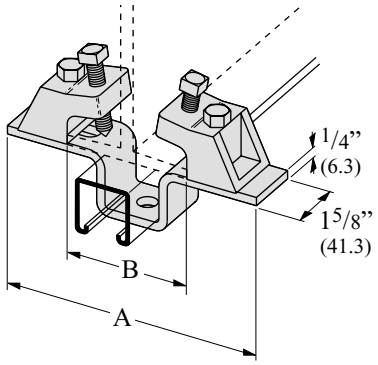
B405
SUSPENSION MEMBER
- Standard finishes: ZN, GRN
- Wt./C 75 Lbs. (34.0 kg)



B405A
SUSPENSION MEMBER WITH BEAM CLAMP
- 7/8" (22.2) Max. Flange Thickness
- Includes:
  1 pc. B405 Suspension Member
  1 pc. B213 I-Beam Clamp
  1 pc. 1/2"-13 x 2 1/2" HHCS
  1 pc. 1/2"-13 Hex Nut
- Material: Malleable iron
- Standard finishes: ZN, GRN
- Wt./C 183 Lbs. (83.0 kg)

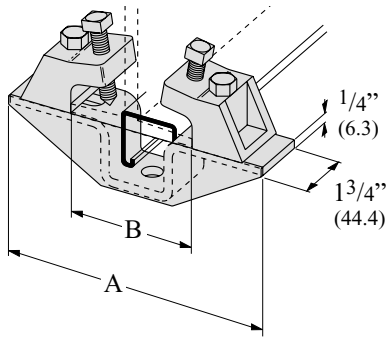


B318 THRU B320
BEAM CLAMP ASSEMBLY
- Safety Factor of 5
- 7/8" (22.2) Max. Flange Thickness
- Includes:
  1 pc. B333 Slotted U-Support
  2 pcs. B213 I-Beam Clamp
  2 pcs. 1/2"-13 x 2 1/2" HHCS
  2 pcs. 1/2"-13 Hex Nuts
- Material: Malleable iron
- Standard finishes: ZN, GRN



Part No.	A		For Flange Width B		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B318	7 1/4"	(184.1)	2 3/8"-4 1/2"	(60.3-114.3)	1200	(5.34)	325	(147.4)
B319	8 1/2"	(215.9)	3 3/4"-5 3/4"	(95.2-146.0)	800	(3.56)	340	(154.2)
B320	10 3/8"	(263.5)	5 5/8"-7 5/8"	(142.9-193.7)	560	(2.49)	357	(161.9)

B602A THRU B602C
BEAM CLAMP WITH GUSSET ASSEMBLY
- Safety Factor of 5
- 7/8" (22.2) Max. Flange Thickness
- Includes:
  1 pc. B451 Slotted Three Hole U Support with Gusset
  2 pcs. B213 I-Beam Clamp
  2 pcs. 1/2"-13 x 2 1/2" HHCS
  2 pcs. 1/2"-13 Hex Nuts
- Material: Malleable iron
- Standard finishes: ZN, GRN



Part No.	A		For Flange Width B		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B602A	7 1/4"	(184.1)	2 3/8"-4 1/2"	(60.3-114.3)	1200	(5.34)	365	(165.1)
B602B	8 1/2"	(215.9)	3 3/4"-5 3/4"	(95.2-146.0)	1200	(5.34)	383	(173.7)
B602C	10 3/8"	(263.5)	5 5/8"-7 5/8"	(142.9-193.7)	1200	(5.34)	408	(185.0)

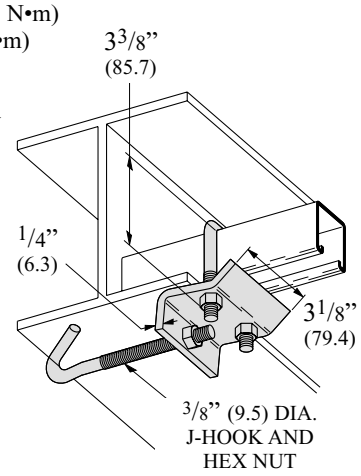
Reference page 98 for general fitting and standard finish specifications.

BEAM CLAMPS

B-Line

B760-22 SERIES
BEAM CLAMP

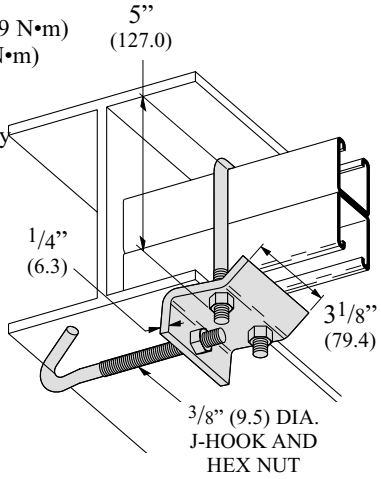
- 2" (50.8) Max. Flange Thickness
- For use with 13/16" (20.6) to 1 5/8" (41.3) high channel
- Recommended Torques:
  U-Bolt Nuts 150 in-lbs. (16.9 N•m)
  J-Hook Nut 60 in-lbs. (6.8 N•m)
- Includes:
  1 pc. B760 Plate
  1 pc. B701 Type J-Hook only
  1 pc. B500-3 3/8" U-Bolt only
  3 pcs. 3/8"-16 Hex Nuts
- Standard finish: ZN



Part No.	For Flange Width		Wt./C Lbs.	kg
B760-22-J4	4"-5 7/8"	(101.6-149.2)	122	(55.3)
B760-22-J6	6"-8 7/8"	(152.4-225.4)	129	(58.5)
B760-22-J9	9"-11 7/8"	(228.6-301.6)	135	(61.2)
B760-22-J12	12"-14 7/8"	(304.8-377.8)	141	(63.9)

B760-22A SERIES
BEAM CLAMP

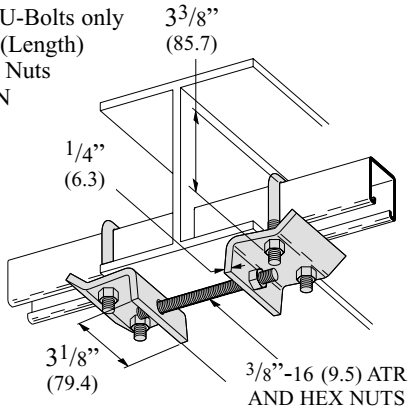
- 2 13/16" (50.8) Max. Flange Thickness
- For use with 1 5/8" (41.3) to 3 1/4" (82.5) high channel
- Recommended Torques:
  U-Bolt Nuts 150 in-lbs. (16.9 N•m)
  J-Hook Nut 60 in-lbs. (6.8 N•m)
- Includes:
  1 pc. B760 Plate
  1 pc. B701 Type J-Hook only
  1 pc. B500-5" U-Bolt only
  3 pcs. 3/8"-16 Hex Nuts
- Standard finish: ZN



Part No.	For Flange Width		Wt./C Lbs.	kg
B760-22A-J4	4"-5 7/8"	(101.6-149.2)	129	(58.5)
B760-22A-J6	6"-8 7/8"	(152.4-225.4)	136	(61.7)
B760-22A-J9	9"-11 7/8"	(228.6-301.6)	142	(64.4)
B760-22A-J12	12"-14 7/8"	(304.8-377.8)	148	(67.1)

B761-22 SERIES
BEAM CLAMP

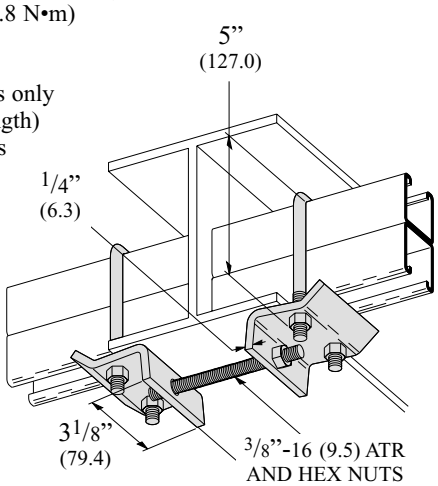
- 2" (50.8) Max. Flange Thickness
- For use with 13/16" (20.6) to 1 5/8" (41.3) high channel
- Recommended Torques:
  U-Bolt Nuts 150 in-lbs. (16.9 N•m)
  ATR Nuts 60 in-lbs. (6.8 N•m)
- Includes:
  2 pcs. B700 Plates
  2 pcs. B500-3 3/8" U-Bolts only
  1 pc. 3/8"-16 ATR (Length)
  6 pcs. 3/8"-16 Hex Nuts
- Standard finish: ZN



Part No.	For Flange Width		ATR Length		Wt./C Lbs.	kg
B761-22-4	4"-5 7/8"	(101.6-149.2)	4"	(101.6)	202	(91.6)
B761-22-6	6"-8 7/8"	(152.4-225.4)	6"	(152.4)	206	(93.4)
B761-22-9	9"-11 7/8"	(228.6-301.6)	9"	(228.6)	214	(97.0)
B761-22-12	12"-14 7/8"	(304.8-377.8)	12"	(304.8)	221	(100.2)

B761-22A SERIES
BEAM CLAMP

- 2 13/16" (50.8) Max. Flange Thickness
- For use with 1 5/8" (41.3) to 3 1/4" (82.5) high channel
- Recommended Torques:
  U-Bolt Nuts 150 in-lbs. (16.9 N•m)
  ATR Nuts 60 in-lbs. (6.8 N•m)
- Includes:
  2 pcs. B700 Plates
  2 pcs. B500-5" U-Bolts only
  1 pc. 3/8"-16 ATR (Length)
  6 pcs. 3/8"-16 Hex Nuts
- Standard finish: ZN

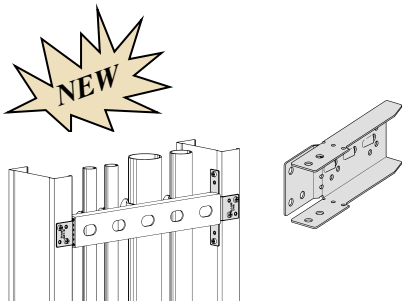


Part No.	For Flange Width		ATR Length		Wt./C Lbs.	kg
B761-22A-4	4"-5 7/8"	(101.6-149.2)	4"	(101.6)	216	(98.0)
B761-22A-6	6"-8 7/8"	(152.4-225.4)	6"	(152.4)	220	(99.8)
B761-22A-9	9"-11 7/8"	(228.6-301.6)	9"	(228.6)	228	(103.4)
B761-22A-12	12"-14 7/8"	(304.8-377.8)	12"	(304.8)	235	(106.6)

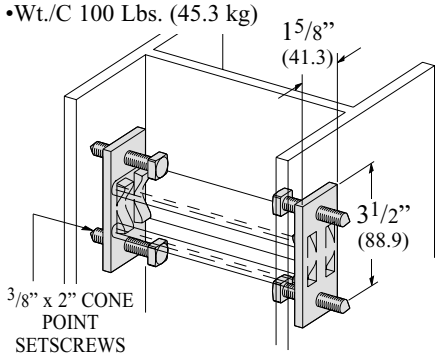
Other flange thickness variations are available, contact B-Line Engineering for sizes.

Reference page 98 for general fitting and standard finish specifications.

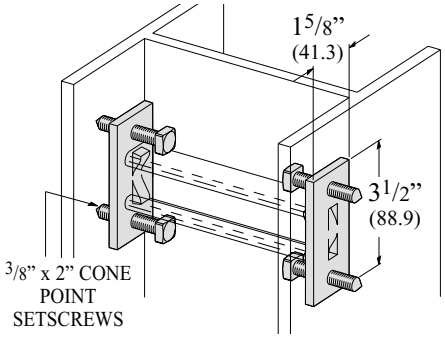
BMB1
STRUT MOUNTING BRACKET
- Attaches 13/16" strut, 1 1/2" lathers channel, 1/2" EMT or 3/4" EMT to metal studs
- Provides support for vertical or horizontal runs of conduit
- Attaches easily with sheet metal screws
- Standard finish: Pre-galvanized



B613
COLUMN SUPPORT FOR B22
- Design Load 800 Lbs. (3.56 kN) Slip with Safety Factor of 3
- Use with B22 and B24 Channel
- Setscrews to be torqued to 19 ft./Lbs
- Sold in pairs
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)

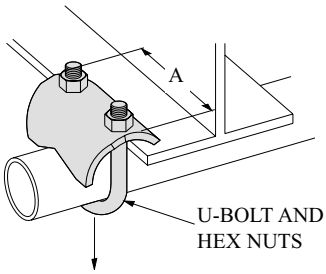


B613A
COLUMN SUPPORT FOR B52
- Design Load 800 Lbs. (3.56 kN) Slip with Safety Factor of 3
- Use with B52 and B54 Channel
- Setscrews to be torqued to 19 ft./Lbs
- Sold in pairs
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)

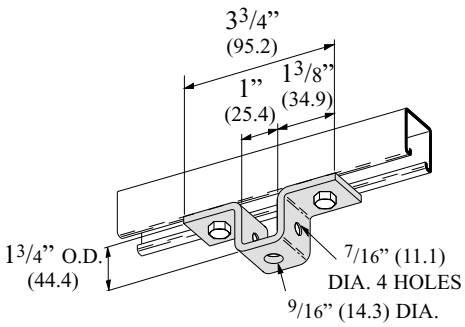


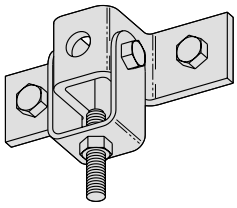
B422 SERIES
RIGHT ANGLE CLAMP
- Safety Factor of 5
- Material: 7 Gauge (4.5)
- Standard finishes: ZN, SS4

Part No.	Conduit Size		A		Design Load Vertical Pull Lbs.	kg	Wt./C Lbs.	kg
B422-1/2	1/2"	(15)	2 3/8"	(60.3)	250	(1.11)	38	(17.2)
B422-3/4	3/4"	(20)	2 3/8"	(60.3)	300	(1.33)	39	(17.7)
B422-1	1"	(25)	2 7/8"	(73.0)	400	(1.78)	48	(21.8)
B422-1 1/4	1 1/4"	(32)	2 7/8"	(73.0)	400	(1.78)	50	(22.7)
B422-1 1/2	1 1/2"	(40)	3 1/4"	(82.5)	500	(2.22)	59	(26.7)
B422-2	2	(50)	3 11/16"	(93.7)	600	(2.67)	75	(34.0)
B422-2 1/2	2 1/2"	(65)	4 1/4"	(107.9)	700	(3.11)	98	(44.4)
B422-3	3"	(80)	4 7/8"	(123.8)	800	(3.56)	111	(50.3)
B422-3 1/2	3 1/2"	(90)	5 7/16"	(138.1)	900	(4.00)	123	(55.8)
B422-4	4"	(100)	6"	(152.4)	1000	(4.45)	135	(61.2)



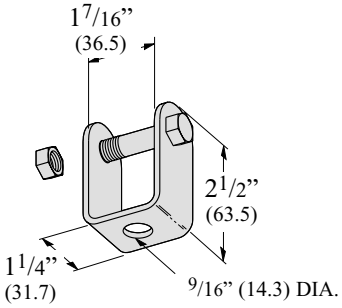
B107S
U-SUPPORT
- Material: 7 Gauge (4.5)
- Standard finishes: ZN, GRN
- Wt./C 51 Lbs. (23.1 kg)





- Illustration shows B107S and B593 used together
- Design Load 900 Lbs., strength of assembly only
- Verify anchorage

B593
CLEVIS SWIVEL
- Includes:
  1 pc. 3/8"-16 x 2" HHCS
  1 pc. 3/8"-16 Hex Nut
- Material: 11 Gauge (3.0)
- Standard finishes: ZN, GRN
- Wt./C 31 Lbs. (14.0 kg)



Reference page 98 for general fitting and standard finish specifications.

PIPE/CONDUIT CLAMPS & HANGERS

B-Line's beam attachments and pipe supports offered in this section are designed to provide supports without drilling or welding . A complete selection of beam clamps, pipe clamps, rollers, supports and accessories are designed for use with B-Line channels and offer many installation advantages.

Materials & Finishes*

Pipe clamps, pipe hangers, beam clamps, brackets, and rollers are made from low carbon steel strips, plates or rod unless noted.

Finish Code	Finish	Specification
PLN	Plain	ASTM A570 Gr. 33
ZN	Electro-Plated Zinc	ASTM B633 SC3 Type III
GRN	Dura-Green	TT-C-490B
DCU	Dura-Copper	TT-C-490B
HDG	Hot-Dipped Galvanized	ASTM A123
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A240
AL	Aluminum	ASTM B209

*Unless otherwise noted.

Load Data

The load data published includes a safety factor of 5.0 unless noted (safety factor = ratio of ultimate load to the design load).

Recommended Torque For Setscrews (unless noted)

Setscrew Size	1/4-20	3/8-16	1/2-13
Foot/Lbs.	4	5	11
Nm	5	7	15

Setscrew Size	5/8-11	3/4-10
Foot/Lbs.	21	34
Nm 28	46	

*See chart on page 58 for bolt torque.

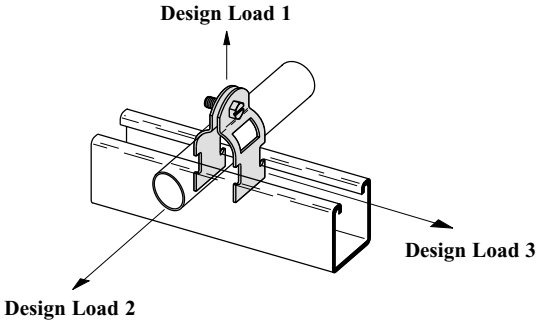
Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

B2207 THRU B2213

MULTI-GRIP PIPE CLAMPS FOR THINWALL (EMT), I.M.C., RIGID CONDUIT OR PIPE

- Safety Factor of 5
- Add PA to suffix for pre-assembled pipe clamps
- Includes Slotted Hex Head Machine Screw and Square Nut
- Material: ASTM A570 Gr. 33
- Standard finish: ZN



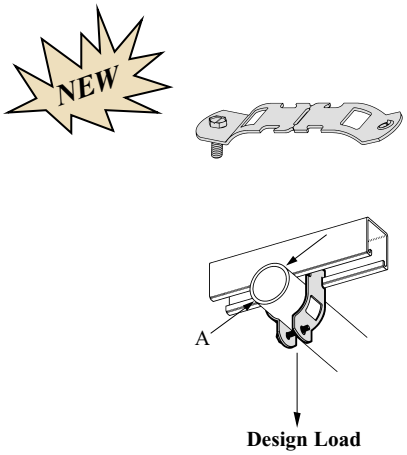
Part No.	Nominal Size		Material Thickness		O.D. Size Range		Alternate For Clamp No.'s	Design Load 1 Lbs.	kN	Design Load 2 Lbs.	kg	Design Load 3 Lbs.	kg	Wt./C Lbs.	kg
B2207	3/8"	(10)	16 Ga.	(1.5)	.557-.706	(14.2-17.9)	B2000, B2007, B2026	400	(1.78)	50	(.22)	50	(.22)	9	(4.1)
B2208	1/2"	(15)	16 Ga.	(1.5)	.701-.875	(17.8-22.2)	B2001, B2008, B2027, B2028	400	(1.78)	50	(.22)	50	(.22)	11	(5.0)
B2209	3/4"	(20)	14 Ga.	(1.9)	.917-1.081	(23.2-27.4)	B2002, B2009, B2029	400	(1.78)	50	(.22)	50	(.22)	12	(5.4)
B2210	1"	(25)	14 Ga.	(1.9)	1.125-1.375	(28.6-34.9)	B2003, B2010, B2030, B2031, B2032	400	(1.78)	50	(.22)	50	(.22)	13	(5.9)
B2211	1 1/4"	(32)	14 Ga.	(1.9)	1.500-1.691	(38.1-42.9)	B2004, B2011, B2033, B2034	400	(1.78)	50	(.22)	50	(.22)	15	(6.8)
B2212	1 1/2"	(40)	12 Ga.	(2.6)	1.735-1.931	(44.0-49.0)	B2005, B2012, B2035, B2036	600	(2.67)	75	(.33)	75	(.33)	23	(10.4)
B2213	2"	(50)	12 Ga.	(2.6)	2.192-2.400	(55.7-60.9)	B2006, B2013 B2039	600	(2.67)	75	(.33)	75	(.33)	26	(11.8)

BPC-8 THRU BPC-64

BREAK-APART CONDUIT CLAMP

- Design Load 200 Lbs. (.896 kN)

Part No.	A Rigid or EMT Conduit Size		Wt./C Lbs.	kg
BPC-8	1/2"	(21.3)	11.2	(5.1)
BPC-12	3/4"	(26.7)	12.7	(5.8)
BPC-16	1"	(33.4)	14.5	(6.6)
BPC-20	1 1/4"	(42.2)	16.5	(7.5)
BPC-24	1 1/2"	(48.3)	18.5	(8.4)
BPC-32	2"	(60.3)	21.5	(9.8)
BPC-40	2 1/2"	(73.0)	21.5	(9.8)
BPC-48	3"	(88.9)	22.0	(10.0)
BPC-56	3 1/2"	(101.6)	23.0	(10.4)
BPC-64	4"	(114.3)	27.5	(12.5)



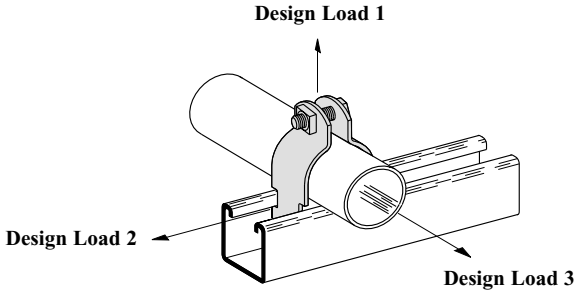
Reference page 110 for general fitting and standard finish specifications.

PIPE CLAMPS

B-Line

B2000 SERIES
PIPE AND CONDUIT CLAMPS

- Safety Factor of 5
- Add PA to suffix for pre-assembled pipe clamps
- Includes Slotted Hex Head Machine Screw and Square Nut
- Standard finishes: ZN, HDG, SS4, SS6, AL



THINWALL CONDUIT (EMT) CLAMPS

Part No.	Conduit Size		Material Thickness		Design Load 1 Lbs.	Design Load 1 kN	Design Load 2 Lbs.	Design Load 2 kg	Design Load 3 Lbs.	Design Load 3 kg	Wt./C Lbs.	Wt./C kg
B2000	3/8"	(10)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	10	(4.5)
B2001	1/2"	(15)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	10	(4.5)
B2002	3/4"	(20)	16 Ga.	(1.9)	400	(1.78)	50	(.22)	50	(.22)	11	(5.0)
B2003	1"	(25)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	16	(7.2)
B2004	1 1/4"	(32)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	19	(8.6)
B2005	1 1/2"	(40)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	28	(12.7)
B2006	2"	(50)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	33	(14.9)

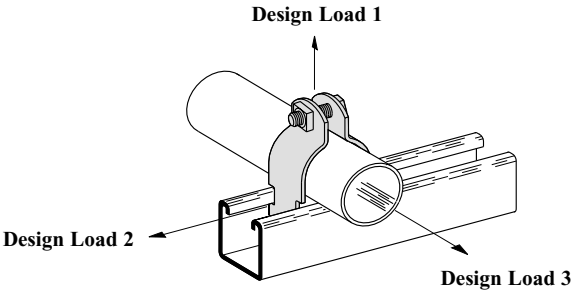
RIGID CONDUIT OR PIPE CLAMPS

Part No.	Conduit Size		Material Thickness		Design Load 1 Lbs.	Design Load 1 kN	Design Load 2 Lbs.	Design Load 2 kg	Design Load 3 Lbs.	Design Load 3 kg	Wt./C Lbs.	Wt./C kg
B2007	3/8"	(10)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	10	(4.5)
B2008	1/2"	(15)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	11	(5.0)
B2009	3/4"	(20)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	15	(6.8)
B2010	1"	(25)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	16	(7.2)
B2011	1 1/4"	(32)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	20	(9.1)
B2012	1 1/2"	(40)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	30	(13.6)
B2013	2"	(50)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	34	(15.4)
B2014	2 1/2"	(65)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	38	(17.2)
B2015	3"	(80)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	44	(19.9)
B2016	3 1/2"	(90)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	61	(27.6)
B2017	4"	(100)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	66	(29.9)
B2018	4 1/2"	(115)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	70	(31.7)
B2019	5"	(125)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	77	(34.9)
B2020	6"	(150)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	100	(45.3)
B2021	7"	(175)	11 Ga.	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	115	(52.1)
B2022	8"	(200)	11 Ga.	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	128	(58.0)
B2130	10	(254)	11 Ga.	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	160	(72.6)
B2132	12"	(305)	11 Ga.	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	185	(83.9)

Reference page 110 for general fitting and standard finish specifications.

B2000 SERIES
PVC CLAMPS

•Safety Factor of 5
•Add PA to suffix for pre-assembled pipe clamps
•Includes Slotted Hex Head Machine Screw and Square Nut
•Standard finishes: PVC



CLAMP SIZING CHART FOR PVC COATED RIGID CONDUIT AND CLAMPS

Nominal Conduit Size		Conduit Coating			
		.020 (.51mm)		.040 (1.01mm)	
		Clamp Coating		Clamp Coating	
		0	.020 (.51mm)	0	.020 (.51mm)
1/2"	(15)	B2028	B2002	B2002	B2029
3/4"	(20)	B2030	B2030	B2030	B2003
1"	(25)	B2032	B2032	B2032	B2033
1 1/4"	(32)	B2005	B2005	B2005	B2005
1 1/2"	(40)	B2012	B2037	B2037	B2037
2"	(50)	B2013	B2041	B2041	B2041
2 1/2"	(65)	B2014	B2045	B2045	B2045
3"	(80)	B2015	B2050	B2050	B2050
3 1/2"	(90)	B2016	B2054	B2054	B2054
4"	(100)	B2017	B2058	B2058	B2058
5"	(125)	B2019	B2066	B2066	B2066
6"	(150)	B2020	B2115	B2115	B2115

*See B2000 O.D. pipe and conduit clamp chart on pgs. 112-113 for corresponding clamp load data.

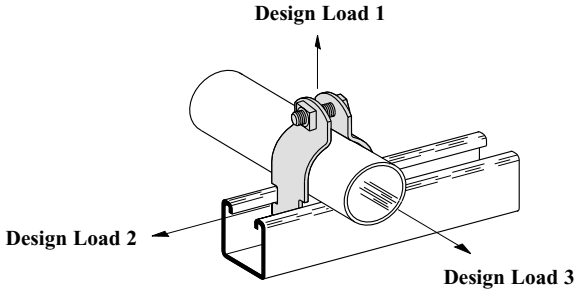
CLAMP SIZING CHART FOR PVC COATED THINWALL (EMT) CONDUIT AND CLAMPS

Nominal Conduit Size		Conduit Coating			
		.020 (.51mm)		.040 (1.01mm)	
		Clamp Coating		Clamp Coating	
		0	.020 (.51mm)	0	.020 (.51mm)
3/8"	(10)	B2026	B2026	B2026	B2007
1/2"	(15)	B2027	B2027	B2027	B2008
3/4"	(20)	B2029	B2029	B2029	B2009
1"	(25)	B2003	B2031	B2031	B2031
1 1/4"	(32)	B2004	B2034	B2034	B2034
1 1/2"	(40)	B2035	B2035	B2035	B2036
2"	(50)	B2039	B2039	B2039	B2013

*See B2000 O.D. pipe and conduit clamp chart on pgs. 112-113 for corresponding clamp load data.

B2000 SERIES
COPPER TUBING CLAMPS

•Safety Factor of 5
•Add PA to suffix for pre-assembled pipe clamps
•Includes Slotted Hex Head Machine Screw and Square Nut
•Standard finish: DCU



COPPER TUBING CLAMPS

Part No.	Tubing Size	O.D. Size (in.)		Material Thickness		Design Load 1 Lbs.	kN	Design Load 2 Lbs.	kg	Design Load 3 Lbs.	kg	Wt./C Lbs.	kg
B2024	1/4"	.375	(9.5)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	8	(3.6)
B2025	3/8"	.500	(12.7)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	9	(4.1)
B2026	1/2"	.625	(15.9)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	10	(4.5)
B2027	5/8"	.750	(19.0)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	10	(4.5)
B2028	3/4"	.875	(22.2)	16 Ga.	(1.5)	400	(1.78)	50	(.22)	50	(.22)	11	(5.0)
B2030	1"	1.125	(28.6)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	15	(6.8)
B2032	1 1/4"	1.375	(34.9)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	17	(7.7)
B2034	1 1/2"	1.625	(41.3)	14 Ga.	(1.9)	600	(2.67)	75	(.33)	75	(.33)	19	(8.6)
B2038	2	2.125	(54.0)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	32	(14.5)
B2042	2 1/2"	2.625	(66.7)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	35	(15.9)
B2046	3	3.125	(79.4)	12 Ga.	(2.6)	800	(3.56)	125	(.56)	125	(.56)	39	(17.7)
B2050	3 1/2"	3.625	(92.1)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	54	(24.5)
B2054	4	4.125	(104.8)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	61	(27.6)
B2062	5	5.125	(130.2)	11 Ga.	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	70	(31.7)
B2110	6	6.125	(155.6)	11 Ga.	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	94	(42.6)
B2126	8	8.125	(206.4)	11 Ga.	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	123	(55.8)

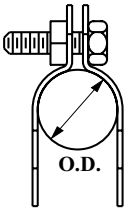
Reference page 110 for general fitting and standard finish specifications.

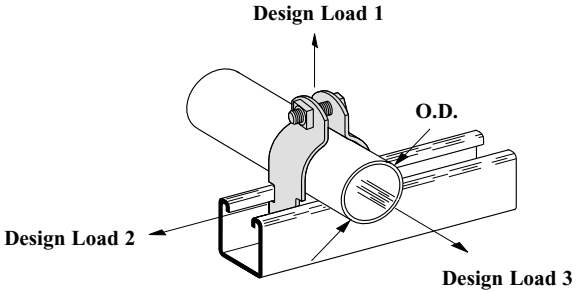
PIPE CLAMPS

B-Line

B2000 SERIES
O.D. PIPE AND CONDUIT CLAMPS

- Safety Factor of 5
- Add PA to suffix for pre-assembled pipe clamps
- Other sizes available upon request
- Includes Slotted Hex Head Machine Screw and Square Nut.
- Material: 16 Ga. (1.5), 14 Ga. (1.9), 12 Ga. (2.6) ASTM A570 Gr. 33 and 11 Ga. (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, HDG, SS4





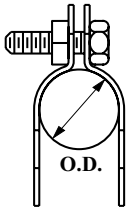
O.D. CLAMPS

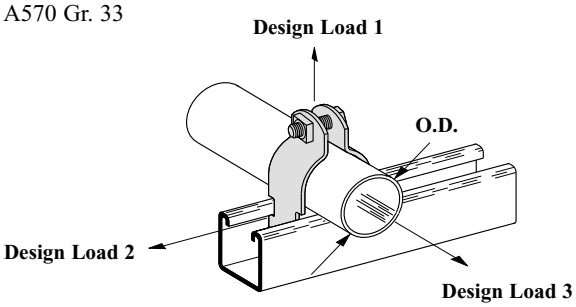
Part No.	O.D. Size (in.)		Hardware Size	Material Gauge Thickness		Design Load 1 Lbs.	kN	Design Load 2 Lbs.	kN	Design Load 3 Lbs.	kN	Wt./C Lbs.	kg
B2023	1/4"	(6.3)	1/4"-20	16	(1.5)	120	(.54)	30	(.13)	30	(.13)	8	(3.6)
B2024	3/8"	(9.5)	1/4"-20	16	(1.5)	300	(1.33)	40	(.18)	40	(.18)	8	(3.6)
B2025	1/2"	(12.7)	1/4"-20	16	(1.5)	400	(1.78)	50	(.22)	50	(.22)	9	(4.1)
B2026	5/8"	(15.9)	1/4"-20	16	(1.5)	400	(1.78)	50	(.22)	50	(.22)	10	(4.5)
B2027	3/4"	(19.0)	1/4"-20	16	(1.5)	400	(1.78)	50	(.22)	50	(.22)	10	(4.5)
B2028	7/8"	(22.2)	1/4"-20	16	(1.5)	400	(1.78)	50	(.22)	50	(.22)	11	(5.0)
B2029	1"	(25.4)	1/4"-20	14	(1.9)	500	(2.22)	75	(.33)	75	(.33)	15	(6.8)
B2030	1 1/8"	(28.6)	1/4"-20	14	(1.9)	600	(2.67)	75	(.33)	75	(.33)	15	(6.8)
B2031	1 1/4"	(31.7)	1/4"-20	14	(1.9)	600	(2.67)	75	(.33)	75	(.33)	16	(7.3)
B2032	1 3/8"	(34.9)	1/4"-20	14	(1.9)	600	(2.67)	75	(.33)	75	(.33)	17	(7.7)
B2033	1 1/2"	(38.1)	1/4"-20	14	(1.9)	600	(2.67)	75	(.33)	75	(.33)	18	(8.2)
B2034	1 5/8"	(41.3)	1/4"-20	14	(1.9)	600	(2.67)	75	(.33)	75	(.33)	19	(8.6)
B2035	1 3/4"	(44.4)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	29	(13.1)
B2036	1 7/8"	(47.6)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	30	(13.6)
B2037	2	(50.8)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	30	(13.6)
B2038	2 1/8"	(54.0)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	32	(14.5)
B2039	2 1/4"	(57.1)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	32	(14.5)
B2013	2 3/8"	(60.3)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	34	(15.4)
B2041	2 1/2"	(63.5)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	35	(15.9)
B2042	2 5/8"	(66.7)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	35	(15.9)
B2043	2 3/4"	(69.8)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	38	(17.2)
B2014	2 7/8"	(73.0)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	38	(17.2)
B2045	3	(76.2)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	38	(17.2)
B2046	3 1/8"	(79.4)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	39	(17.7)
B2047	3 1/4"	(82.5)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	41	(18.6)
B2048	3 3/8"	(85.7)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	43	(19.5)
B2015	3 1/2"	(88.9)	5/16"-18	12	(2.6)	800	(3.56)	125	(.56)	125	(.56)	44	(20.0)
B2050	3 5/8"	(92.1)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	54	(24.5)
B2051	3 3/4"	(95.2)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	57	(25.8)
B2052	3 7/8"	(41.3)	5/16"-18	11	(3.0)	1000	(4.45	200	(.89)	150	(.67)	55	(25.0)
B2016	4	(101.6)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	57	(25.8)
B2054	4 1/8"	(104.8)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	61	(27.7)
B2055	4 1/4"	(107.9)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	62	(28.1)
B2056	4 3/8"	(111.1)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	64	(29.0)
B2017	4 1/2"	(114.3)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	66	(29.9)
B2058	4 5/8"	(117.5)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	66	(29.9)

Reference page 110 for general fitting and standard finish specifications.

B2000 SERIES
O.D. PIPE AND CONDUIT CLAMPS

- Safety Factor of 5
- Add PA to suffix for pre-assembled pipe clamps
- Other sizes available upon request
- Includes Slotted Hex Head Machine Screw and Square Nut.
- Material: 16 Ga. (1.5), 14 Ga. (1.9), 12 Ga. (2.6) ASTM A570 Gr. 33 and 11 Ga. (3.0) ASTM A607 Gr. 50
- Standard finishes: ZN, HDG, SS4





O.D. CLAMPS

Part No.	O.D. Size (in.)		Hardware Size	Material Gauge Thickness		Design Load 1 Lbs.	kN	Design Load 2 Lbs.	kN	Design Load 3 Lbs.	kN	Wt./C Lbs.	kg
B2059	4 3/4"	(120.6)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	68	(30.8)
B2060	4 7/8"	(123.8)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	69	(31.3)
B2018	5	(127.0)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	70	(31.8)
B2062	5 1/8"	(130.2)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	70	(31.8)
B2063	5 1/4"	(133.3)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	70	(31.8)
B2064	5 3/8"	(136.5)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	77	(34.9)
B2065	5 1/2"	(139.7)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	78	(35.4)
B2066	5 5/8"	(142.9)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	83	(37.6)
B2067	5 3/4"	(146.0)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	84	(38.1)
B2068	5 7/8"	(149.2)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	85	(38.6)
B2069	6"	(152.4)	5/16"-18	11	(3.0)	1000	(4.45)	200	(.89)	150	(.67)	87	(39.5)
B2110	6 1/8"	(155.6)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	94	(42.6)
B2111	6 1/4"	(158.7)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	96	(43.5)
B2112	6 3/8"	(161.9)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	98	(44.4)
B2113	6 1/2"	(165.1)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	99	(44.9)
B2020	6 5/8"	(168.3)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	100	(45.4)
B2115	6 3/4"	(171.4)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	102	(46.3)
B2116	6 7/8"	(174.6)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	104	(47.2)
B2117	7"	(177.8)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	106	(48.1)
B2118	7 1/8"	(181.0)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	108	(49.0)
B2119	7 1/4"	(184.1)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	110	(49.9)
B2120	7 3/8"	(187.3)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	112	(50.8)
B2121	7 1/2"	(190.5)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	114	(51.7)
B2021	7 5/8"	(193.7)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	115	(52.2)
B2123	7 3/4"	(196.8)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	117	(53.1)
B2124	7 7/8"	(200.0)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	119	(54.0)
B2125	8"	(203.2)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	121	(54.9)
B2126	8 1/8"	(206.4)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	123	(55.8)
B2127	8 1/4"	(209.5)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	125	(56.7)
B2128	8 3/8"	(212.7)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	126	(57.2)
B2129	8 1/2"	(215.9)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	128	(58.1)
B2022	8 5/8"	(219.1)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	128	(58.1)
B2130	10 3/4"	(273.0)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	160	(72.6)
B2132	12 3/4"	(323.8)	3/8"-16	11	(3.0)	1000	(4.45)	250	(1.11)	200	(.89)	185	(83.9)

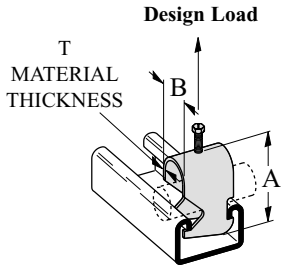
Reference page 110 for general fitting and standard finish specifications.

PIPE CLAMPS

B-Line

B1071 THRU B1084
ONE-PIECE PIPE CLAMP

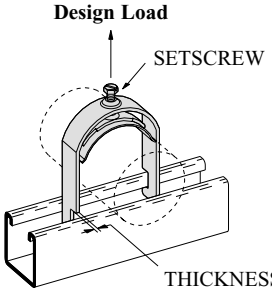
- Safety Factor of 5
- Includes Slotted Hex Head Machine Screw
  For B1071 thru B1077: 1/4"-20
  For B1078 thru B1084: 5/16"-18
- Standard finish: ZN

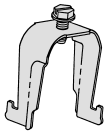


Part No.	Use With EMT		Use With Rigid Conduit/IP		A		B		T		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B1071	3/8"	(10)	–	–	1 23/32"	(43.6)	19/32"	(15.1)	14 Ga.	(1.9)	300	(1.33)	9	(4.1)
B1072	1/2"	(15)	3/8"	(10)	1 27/32"	(46.8)	23/32"	(18.2)	14 Ga.	(1.9)	300	(1.33)	10	(4.5)
B1073	3/4"	(20)	1/2"	(15)	2 3/32"	(53.2)	15/16"	(23.8)	14 Ga.	(1.9)	400	(1.78)	11	(5.0)
B1074	1"	(25)	3/4"	(20)	2 3/8"	(60.3)	1 3/16"	(30.1)	14 Ga.	(1.9)	400	(1.78)	13	(5.9)
B1075	–	–	1"	(25)	2 9/16"	(65.1)	1 11/32"	(34.1)	14 Ga.	(1.9)	400	(1.78)	14	(6.3)
B1076	1 1/8"	(32)	–	–	2 25/32"	(70.6)	1 17/32"	(38.9)	14 Ga.	(1.9)	400	(1.78)	15	(6.8)
B1077	1 1/2"	(40)	1 1/4"	(32)	3 1/32"	(77.0)	1 3/4"	(44.4)	14 Ga.	(1.9)	400	(1.78)	17	(7.7)
B1078	–	–	1 1/2"	(40)	3 1/4"	(82.5)	1 15/16"	(49.2)	12 Ga.	(2.6)	600	(2.67)	26	(11.8)
B1079	2"	(50)	–	–	3 19/32"	(91.3)	2 7/32"	(56.3)	12 Ga.	(2.6)	600	(2.67)	28	(12.7)
B1080	–	–	2"	(50)	3 13/16"	(96.8)	2 13/32"	(61.1)	12 Ga.	(2.6)	600	(2.67)	30	(13.6)
B1081	2 1/2"	(65)	2 1/2"	(65)	4 3/8"	(111.1)	2 29/32"	(73.8)	12 Ga.	(2.6)	600	(2.67)	35	(15.9)
B1082	3"	(80)	3"	(80)	5 3/32"	(129.4)	3 17/32"	(89.7)	12 Ga.	(2.6)	600	(2.67)	41	(18.6)
B1083	3 1/2"	(90)	3 1/2"	(90)	5 23/32"	(145.2)	4 1/32"	(102.4)	11 Ga.	(3.0)	600	(2.67)	57	(25.8)
B1084	4"	(100)	4"	(100)	6 9/32"	(159.5)	4 17/32"	(115.1)	11 Ga.	(3.0)	600	(2.67)	63	(28.6)

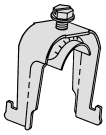
B1508 THRU B1564S
CONDUIT/STRUT CLAMPS

- Safety Factor of 3
- Clamps without saddles are not recommended for flexible conduit or cable
- All Sizes Include:
  1/4"-20 Slotted Hex Head Machine Screw
- Standard finish: ZN

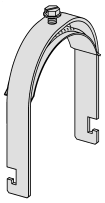




B1508 THRU B1520



B1508S THRU B1524S



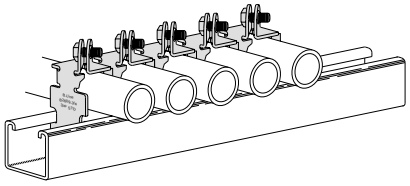
B1532S THRU B1564S

Part No.	Use With EMT		Use With Rigid Conduit		Thickness		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B1508	1/2"	(15)	–	–	16 Ga.	(1.5)	200	(.89)	7.4	(3.4)
B1512	3/4"	(20)	1/2"	(15)	16 Ga.	(1.5)	200	(.89)	8.0	(3.6)
B1516	1"	(25)	3/4"	(20)	14 Ga.	(1.9)	300	(1.33)	11.0	(5.0)
B1520	1 1/4"	(32)	1"	(25)	14 Ga.	(1.9)	300	(1.33)	12.5	(5.7)
B1508S	1/2"	(15)	–	–	16 Ga.	(1.5)	200	(.89)	8.6	(3.9)
B1512S	3/4"	(20)	1/2"	(15)	16 Ga.	(1.5)	200	(.89)	9.2	(4.2)
B1516S	1"	(25)	3/4"	(20)	14 Ga.	(1.9)	300	(1.33)	12.7	(5.8)
B1520S	1 1/4"	(32)	1"	(25)	14 Ga.	(1.9)	300	(1.33)	14.6	(6.6)
B1524S	1 1/2"	(40)	1 1/4"	(32)	12 Ga.	(2.6)	400	(1.78)	20.5	(9.3)
B1532S	2"	(50)	1 1/2"	(40)	12 Ga.	(2.6)	400	(1.78)	21.5	(9.8)
B1534S	–	–	2"	(50)	12 Ga.	(2.6)	400	(1.78)	22.7	(10.3)
B1540S	2 1/2"	(65)	2 1/2"	(65)	12 Ga.	(2.6)	400	(1.78)	26.0	(11.9)
B1548S	3"	(80)	3"	(80)	12 Ga.	(2.6)	400	(1.78)	30.2	(13.7)
B1556S	3 1/2"	(90)	3 1/2"	(90)	12 Ga.	(2.6)	400	(1.78)	33.3	(15.1)
B1564S	4"	(100)	4"	(100)	12 Ga.	(2.6)	400	(1.78)	36.6	(16.6)

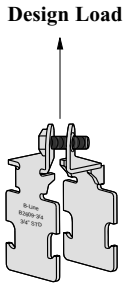
Reference page 110 for general fitting and standard finish specifications.

B2601 THRU B2610
TWIST EAR® PIPE CLAMP

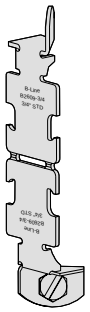
- One piece break apart, screw retainer, thread impressions
- Tighter alignment, no need to leave additional space between clamps in order to access nut and bolt
- Easier access bolt can be tightened directly from front
- Available in 1/2", 3/4", 1" rigid and EMT Conduit
- Recommended Torque 30 in. - lbs.
- Safety Factor of 3
- Standard finish: ZN



Allows for multiple clamps to be used in succession, with easier access than other pipe clamps.



Break-apart - break in the middle, bolt the ends together.

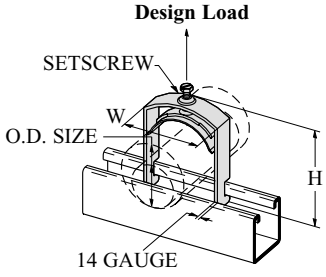


No loose pieces. One piece break apart with screw retainer and thread impressions.

Part No.	Use With EMT		Use With Rigid Conduit		Thickness	Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B2601	1/2"	(17.9)	–	–	16 Ga.	300	(1.34)	8.2	(3.7)
B2602	3/4"	(23.4)	–	–	14 Ga.	500	(2.24)	13.5	(6.1)
B2603	1"	(29.5)	–	–	14 Ga.	500	(2.24)	15.6	(7.1)
B2608	–	–	1/2"	(21.3)	16 Ga.	300	(1.34)	8.2	(3.7)
B2609	–	–	3/4"	(26.7)	14 Ga.	500	(2.24)	13.5	(6.1)
B2610	–	–	1"	(33.4)	14 Ga.	500	(2.24)	15.6	(7.1)

BP075SS THRU BP275SS
P CLAMPS

- Minimizes induction heating
- Material: Stainless Steel Type 304



Part No.	O.D. Size In.	O.D. Size mm	Height H In.	Height H mm	Width W In.	Width W mm	Design Load Lbs.	Design Load kN	Wt/C. kg	Wt/C. Lbs.
BP075SS	.250-.750	(6.4-19.1)	1.750	(44.4)	1.000	(25.4)	300	(1.33)	7.4	(3.4)
BP081SS	.310-.810	(7.9-20.6)	1.812	(46.0)	1.000	(25.4)	300	(1.33)	7.8	(3.5)
BP125SS	.750-1.250	(19.1-31.8)	2.094	(53.2)	1.438	(36.5)	300	(1.33)	8.2	(3.7)
BP135SS	.850-1.350	(21.6-34.3)	2.375	(60.3)	1.625	(41.3)	300	(1.33)	10.1	(4.6)
BP175SS	1.250-1.750	(31.8-44.4)	2.812	(71.4)	2.000	(50.8)	300	(1.33)	12.5	(5.7)
BP225SS	1.750-2.250	(44.4-57.2)	3.438	(87.3)	2.438	(61.9)	300	(1.33)	21.3	(9.7)
BP275SS	2.250-2.750	(57.2-69.9)	3.875	(98.4)	3.000	(76.2)	300	(1.33)	26.0	(11.8)

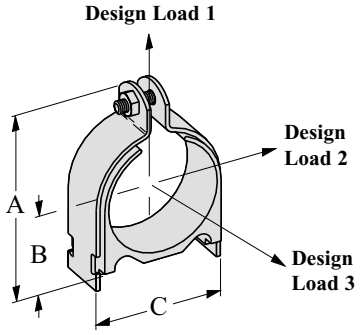
Reference page 110 for general fitting and standard finish specifications.

VIBRACLAMP® PIPE CLAMPS

B-Line

BVT SERIES
VIBRACLAMPS-COPPER & O.D.

- Safety Factor of 3
- Accesses tubing sizes 1/4" to 6 1/8"
- Allows easy one tool installation
- Endures both high (+300°F) and low (-40°C) temperatures
- Dampens vibration and noise
- Eliminates galvanic metal to metal contact
- Resists most industrial oils and solvents
- Reduces thermal loss and gain
- Secures tubing firmly to channel (strut)
- Dielectric strength of 400 volts/mil
- Includes cushion, clamp, screw and nut
- Standard finishes: YZN, SS4



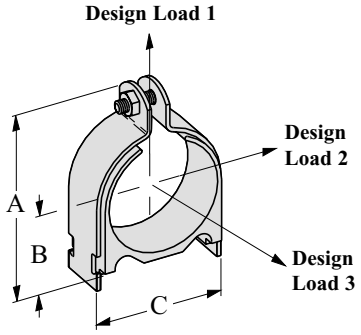
Catalog Number	Copper and Steel Tubing O.D. Size		Copper Tubing Size		Dimensions A		B		C		Wt./C Lbs.	kg
BVT025	1/4"	(6.3)	1/8"	(3)	1.22	(30.9)	0.19	(4.8)	0.49	(12.4)	11	(5.0)
BVT037	3/8"	(9.5)	1/4"	(6)	1.36	(34.5)	0.25	(6.3)	0.61	(15.5)	12	(5.4)
BVT050	1/2"	(12.7)	3/8"	(10)	1.49	(37.8)	0.31	(7.8)	0.74	(18.8)	14	(6.3)
BVT062	5/8"	(15.9)	1/2"	(15)	1.62	(41.1)	0.38	(9.6)	0.86	(21.8)	15	(6.8)
BVT075	3/4"	(19.0)	5/8"	(17)	1.87	(47.4)	0.50	(12.7)	1.15	(29.2)	19	(8.6)
BVT087	7/8"	(22.2)	3/4"	(20)	2.00	(50.8)	0.56	(14.2)	1.27	(32.2)	21	(9.5)
BVT100	1"	(25.4)	–	–	2.25	(57.1)	0.69	(17.5)	1.52	(38.6)	22	(10.0)
BVT112	1 1/8"	(28.6)	1"	(25)	2.25	(57.1)	0.69	(17.5)	1.52	(38.6)	26	(11.8)
BVT125	1 1/4"	(31.7)	–	–	2.51	(63.7)	0.81	(20.6)	1.78	(45.2)	36	(16.3)
BVT137	1 3/8"	(34.9)	1 1/4"	(32)	2.51	(63.7)	0.81	(20.6)	1.78	(45.2)	38	(17.2)
BVT150	1 1/2"	(38.1)	–	–	2.74	(69.6)	0.88	(22.4)	1.96	(49.8)	35	(15.9)
BVT162	1 5/8"	(41.3)	1 1/2"	(40)	3.00	(76.2)	1.00	(25.4)	2.20	(55.9)	40	(18.1)
BVT175	1 3/4"	(44.4)	–	–	3.13	(79.5)	1.06	(26.9)	2.33	(59.1)	44	(19.9)
BVT187	1 7/8"	(47.6)	–	–	3.28	(83.3)	1.13	(28.7)	2.46	(62.5)	40	(18.1)
BVT200	2"	(50.8)	–	–	3.52	(89.4)	1.25	(31.7)	2.70	(68.6)	55	(25.0)
BVT212	2 1/8"	(54.0)	2"	(50)	3.52	(89.4)	1.25	(31.7)	2.70	(68.6)	55	(25.0)
BVT225	2 1/4"	(57.1)	–	–	3.64	(92.4)	1.31	(33.2)	2.83	(71.8)	54	(24.5)
BVT250	2 1/2"	(63.5)	–	–	3.91	(99.3)	1.43	(36.3)	3.11	(79.0)	56	(25.4)
BVT262	2 5/8"	(66.6)	2 1/2"	(65)	4.02	(102.1)	1.50	(38.1)	3.20	(81.3)	55	(25.0)
BVT300	3"	(76.2)	–	–	4.42	(112.2)	1.68	(42.6)	3.61	(91.6)	67	(30.4)
BVT312	3 1/8"	(79.4)	3"	(80)	4.53	(115.0)	1.75	(44.4)	3.70	(93.9)	64	(29.0)
BVT362	3 5/8"	(92.1)	3 1/2"	(90)	5.05	(128.2)	2.00	(50.8)	4.23	(107.4)	76	(34.5)
BVT412	4 1/8"	(104.8)	4"	(100)	5.55	(140.9)	2.25	(57.1)	4.73	(120.1)	93	(42.2)
BVT612	6 1/8"	(155.5)	6"	(150)	7.62	(193.5)	3.25	(82.5)	6.74	(171.1)	136	(61.6)

Catalog Number	Design Load 1		Design Load 2		Design Load 3	
	Lbs.	kN	Lbs.	kN	Lbs.	kN
BVT025	400	(1.78)	50	(0.22)	50	(0.22)
BVT037	400	(1.78)	50	(0.22)	50	(0.22)
BVT050	400	(1.78)	50	(0.22)	50	(0.22)
BVT062	400	(1.78)	50	(0.22)	50	(0.22)
BVT075	600	(2.67)	75	(0.33)	75	(0.33)
BVT087	600	(2.67)	75	(0.33)	75	(0.33)
BVT100	600	(2.67)	75	(0.33)	75	(0.33)
BVT112	600	(2.67)	75	(0.33)	75	(0.33)
BVT125	600	(2.67)	75	(0.33)	75	(0.33)
BVT137	600	(2.67)	75	(0.33)	75	(0.33)
BVT150	600	(2.67)	75	(0.33)	75	(0.33)
BVT162	800	(3.56)	125	(0.56)	125	(0.56)
BVT175	800	(3.56)	125	(0.56)	125	(0.56)
BVT187	800	(3.56)	125	(0.56)	125	(0.56)
BVT200	800	(3.56)	125	(0.56)	125	(0.56)
BVT212	800	(3.56)	125	(0.56)	125	(0.56)
BVT225	800	(3.56)	125	(0.56)	125	(0.56)
BVT250	800	(3.56)	125	(0.56)	125	(0.56)
BVT262	800	(3.56)	125	(0.56)	125	(0.56)
BVT300	800	(3.56)	125	(0.56)	125	(0.56)
BVT312	800	(3.56)	125	(0.56)	125	(0.56)
BVT362	1000	(4.45)	200	(0.89)	150	(0.67)
BVT412	1000	(4.45)	200	(0.89)	150	(0.67)
BVT612	1000	(4.45)	200	(0.89)	150	(0.67)

Reference page 110 for general fitting and standard finish specifications.

BVP SERIES
VIBRACLAMPS-IRON PIPE & RIGID CONDUIT

- Safety Factor of 3
- Accesses pipe sizes 1/4" to 6"
- Allows easy one tool installation
- Endures both high (+300°F) and low (-40°C) temperatures
- Dampens vibration and noise
- Eliminates galvanic metal to metal contact
- Resists most industrial oils and solvents
- Reduces thermal loss and gain
- Secures pipe firmly to channel (strut)
- Dielectric strength of 400 volts/mil
- Includes cushion, clamp, screw and nut
- Standard finishes: YZN, SS4



Catalog Number	Steel O.D. Size		Nominal Pipe Size		Dimensions A		B		C		Wt./C Lbs.	kg
BVP025	0.540	(13.7)	1/4"	(6.3)	1.61	(39.9)	0.37	(9.4)	0.87	(22.1)	15.2	(6.9)
BVP037	0.675	(17.1)	3/8"	(9.5)	1.86	(47.2)	0.50	(12.7)	1.15	(29.2)	18	(8.2)
BVP050	0.875	(22.2)	1/2"	(12.7)	1.99	(50.5)	0.56	(14.2)	1.27	(32.3)	.2	(.09)
BVP075	1.050	(26.7)	3/4"	(19.0)	2.25	(57.1)	0.69	(17.5)	1.52	(38.6)	.21	(.10)
BVP100	1.312	(33.3)	1"	(25.4)	2.51	(63.8)	0.81	(20.6)	1.77	(45.0)	20	(9.1)
BVP125	1.660	(42.2)	1 1/4"	(31.7)	3.00	(76.2)	1.00	(25.4)	2.21	(56.1)	36	(16.3)
BVP150	1.900	(48.3)	1 1/2"	(38.1)	3.21	(83.1)	1.12	(28.4)	2.41	(62.3)	40	(18.1)
BVP200	2.375	(60.3)	2"	(50.8)	3.77	(95.8)	1.37	(34.8)	2.96	(75.2)	45	(20.4)
BVP250	2.875	(73.0)	2 1/2"	(63.5)	4.28	(108.7)	1.62	(41.1)	3.46	(87.9)	54	(24.5)
BVP300	3.500	(88.9)	3"	(76.2)	5.05	(128.3)	2.00	(50.8)	4.24	(107.7)	81.5	(36.9)
BVP350	4.000	(101.6)	3 1/2"	(88.9)	5.55	(140.9)	2.25	(57.1)	4.74	(120.3)	87	(39.4)
BVP400	4.500	(114.3)	4"	(101.6)	6.05	(153.7)	2.50	(63.5)	5.24	(133.1)	109	(49.4)
BVP500	5.563	(141.3)	5"	(127.0)	6.84	(173.7)	3.00	(76.2)	6.24	(158.4)	136	(61.6)
BVP600	6.625	(168.3)	6"	(152.4)	8.24	(209.3)	3.56	(90.4)	7.36	(186.9)	163	(73.8)

Catalog Number	Design Load 1		Design Load 2		Design Load 3	
	Lbs.	kN	Lbs.	kN	Lbs.	kN
BVP025	400	(1.78)	50	(0.22)	50	(0.22)
BVP037	600	(2.67)	75	(0.33)	75	(0.33)
BVP050	600	(2.67)	75	(0.33)	75	(0.33)
BVP075	600	(2.67)	75	(0.33)	75	(0.33)
BVP100	600	(2.67)	75	(0.33)	75	(0.33)
BVP125	800	(3.56)	125	(0.56)	125	(0.56)
BVP150	800	(3.56)	125	(0.56)	125	(0.56)
BVP200	800	(3.56)	125	(0.56)	125	(0.56)
BVP250	800	(3.56)	125	(0.56)	125	(0.56)
BVP300	1000	(4.45)	200	(0.89)	150	(0.67)
BVP350	1000	(4.45)	200	(0.89)	150	(0.67)
BVP400	1000	(4.45)	200	(0.89)	150	(0.67)
BVP500	1000	(4.45)	200	(0.89)	150	(0.67)
BVP600	1000	(4.45)	200	(0.89)	150	(0.67)

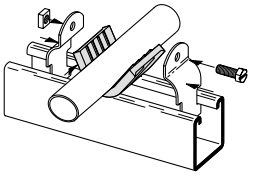
Reference page 110 for general fitting and standard finish specifications.

VIBRA CUSHION® PIPE CLAMPS

B-Line

B1999
VIBRA CUSHION®

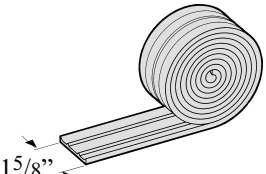
- Packaged 20 Ft. (7.6 m) per carton
- Ideal Isolation Material
- Inhibits Galvanic Corrosion
- Dampens Sound and Vibrations
- Service Temperature Range -75°F (-60°C) to +375°F (+199°C)
- Wt./Carton 3.8 Lbs. (1.7 kg)

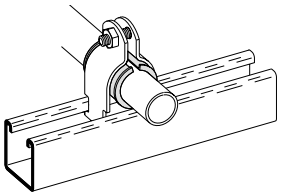


FEATURES

Vibra Cushion® is designed for use with refrigeration lines, HVAC, copper tubing, glass pipe and hydraulic lines. It provides an energy-absorption barrier between the lines and the mounting material and remains flexible thru its entire service range of -75°F (-60°C) to +375°F (+199°C).

This elastomer allows for expansion and contraction within the mounting system and prevents galvanic reaction between dissimilar metals.





FOR RIGID CONDUIT OR IRON PIPE

Nominal Size		Length of Vibra-Cushion		Use Clamp No.
3/8"	(10)	2 1/8"	(54.0)	**B2002**
1/2"	(15)	2 5/8"	(66.7)	**B2009**
3/4"	(20)	3 1/4"	(82.5)	**B2031**
1"	(25)	4 1/8"	(104.8)	**B2004**
1 1/4"	(32)	5 3/16"	(131.8)	**B2012**
1 1/2"	(40)	5 15/16"	(150.8)	**B2038**
2"	(50)	7 1/2"	(190.5)	**B2042**
2 1/2"	(65)	9"	(228.6)	**B2046**
3"	(80)	11"	(279.4)	**B2051**
3 1/2"	(90)	12 1/2"	(317.5)	**B2055**
4"	(100)	14 1/2"	(368.3)	**B2059**
5"	(125)	17 7/16"	(442.9)	**B2067**
6"	(150)	20 3/4"	(527.0)	**B2116**

FOR THINWALL (EMT) CONDUIT

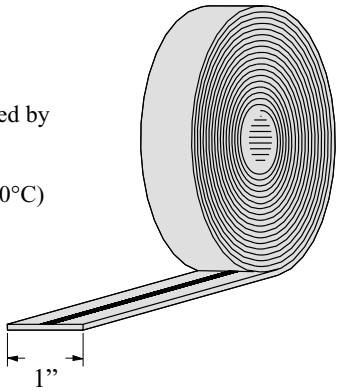
Nominal Size		Length of Vibra-Cushion		Use Clamp No.
3/8"	(10)	1 13/16"	(46.0)	**B2027**
1/2"	(15)	2 13/16"	(58.7)	**B2002**
3/4"	(20)	2 7/8"	(73.0)	**B2003**
1"	(25)	3 5/8"	(92.1)	**B2032**
1 1/4"	(32)	4 3/8"	(120.6)	**B2036**
1 1/2"	(40)	5 7/16"	(138.1)	**B2012**
2"	(50)	6 7/8"	(174.6)	**B2013**

FOR COPPER TUBING TYPE L & K

Nominal Size		Length of Vibra-Cushion		Use Clamp No.
1/4"	(6)	1 3/16"	(30.2)	**B2026**
3/8"	(10)	1 9/16"	(39.7)	**B2027**
1/2"	(15)	1 7/8"	(47.6)	**B2028**
5/8"	(17)	2 5/16"	(58.7)	**B2029**
3/4"	(20)	2 3/4"	(69.8)	**B2030**
1"	(25)	3 1/2"	(88.9)	**B2032**
1 1/4"	(32)	4 5/16"	(109.5)	**B2034**
1 1/2"	(40)	5 1/8"	(130.2)	**B2036**
2"	(50)	6 11/16"	(169.9)	**B2013**
2 1/2"	(65)	8 1/4"	(209.5)	**B2014**
3"	(80)	9 13/16"	(249.2)	**B2048**
3 1/2"	(90)	11 3/8"	(288.9)	**B2052**
4"	(100)	12 15/16"	(328.6)	**B2056**
5"	(125)	16 1/8"	(409.6)	**B2064**
6"	(150)	19 1/4"	(488.9)	**B2112**
8"	(200)	25 1/2"	(647.7)	**B2128**

ISO PIPE

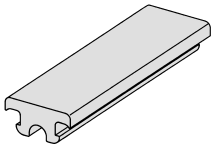
- Non-adhesive rubber tape
- Fuses to itself
- Water resistant
- Prevents galvanic reaction caused by dissimilar metal contact
- Temperature Range -140°F (-60°C) to +395°F (+200°C)



Part No.	Thickness In.	mm	Ft./Roll Ft.	m
ISO	.020	(0.5)	36	(11)

BVS Type - Vibra Strip™ for 1 5/8" (41.3) wide B-Line channel

- Fits securely in 1 5/8" wide channel
- Temperature range: -20°F to 212°F
- 45 durometer hardness
- Material: Neoprene

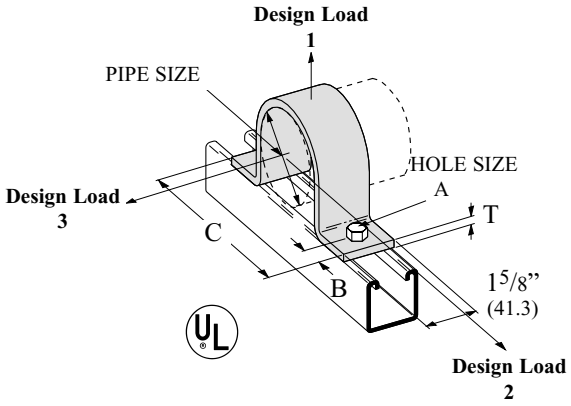


Part No.	Max. Load Lbs. per Lineal In. Lbs.	kg/25.4 mm	Length		Std. Pkg.	Wt. Each Lbs.	kg
BVS-12	40	(18.1)	12"	(304.8)	25	.46	(.21)

Reference page 110 for general fitting and standard finish specifications.

B2400 SERIES
STANDARD PIPE STRAP

- Safety Factor of 5
- B2400-3/4 thru B2400-8 are UL listed
- Order hardware separately
- Other sizes available upon request
- Material: Sizes - 1/2" - 1 1/2", ASTM A570; 2" - 10", ASTM A907; 12" ASTM A569; 14"-Larger, ASTM A36
- Standard finish: ZN



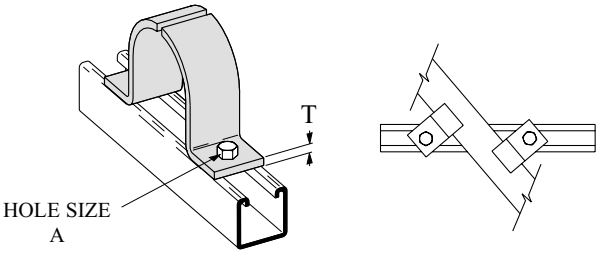
Part No.	Pipe Size		A		B		C		T		Wt./C Lbs.	Wt./C kg
B2400-1/2	1/2"	(15)	5/16"	(7.9)	7/16"	(11.1)	2 13/16"	(71.4)	10 Ga.	(3.4)	23	(10.4)
B2400-3/4	3/4"	(20)	5/16"	(7.9)	7/16"	(11.1)	3"	(76.2)	10 Ga.	(3.4)	26	(11.8)
B2400-1	1"	(25)	5/16"	(7.9)	7/16"	(11.1)	3 17/32"	(89.7)	10 Ga.	(3.4)	31	(14.0)
B2400-1 1/4	1 1/4"	(32)	5/16"	(7.9)	7/16"	(11.1)	3 3/4"	(95.2)	10 Ga.	(3.4)	36	(16.3)
B2400-1 1/2	1 1/2"	(40)	5/16"	(7.9)	7/16"	(11.1)	4 1/16"	(103.2)	1/4"	(6.3)	39	(17.7)
B2400-2	2"	(50)	7/16"	(11.1)	11/16"	(17.4)	5 21/32"	(143.6)	1/4"	(6.3)	93	(42.2)
B2400-2 1/2	2 1/2"	(65)	7/16"	(11.1)	11/16"	(17.4)	6 5/32"	(156.3)	1/4"	(6.3)	106	(48.1)
B2400-3	3"	(80)	7/16"	(11.1)	11/16"	(17.4)	6 25/32"	(172.2)	1/4"	(6.3)	132	(59.9)
B2400-3 1/2	3 1/2"	(90)	7/16"	(11.1)	11/16"	(17.4)	7 9/32"	(184.9)	1/4"	(6.3)	151	(68.5)
B2400-4	4"	(100)	9/16"	(14.3)	11/16"	(17.4)	7 25/32"	(197.6)	1/4"	(6.3)	160	(72.6)
B2400-5	5"	(125)	9/16"	(14.3)	11/16"	(17.4)	8 7/8"	(225.4)	1/4"	(6.3)	192	(87.1)
B2400-6	6"	(150)	9/16"	(14.3)	11/16"	(17.4)	9 15/16"	(252.4)	1/4"	(6.3)	219	(99.3)
B2400-8	8"	(200)	9/16"	(14.3)	11/16"	(17.4)	11 31/32"	(304.0)	1/4"	(6.3)	297	(134.7)
B2400-10	10"	(250)	9/16"	(14.3)	11/16"	(17.4)	14"	(355.6)	1/4"	(6.3)	465	(210.9)
B2400-12	12"	(300)	9/16"	(14.3)	11/16"	(17.4)	16"	(406.4)	1/4"	(6.3)	560	(254.0)
B2400-14	14"	(350)	15/16"	(23.8)	1 1/2"	(38.1)	20 3/4"	(527.0)	3/8"	(9.5)	1388	(629.6)
B2400-16	16"	(400)	15/16"	(23.8)	1 1/2"	(38.1)	22 3/4"	(577.8)	3/8"	(9.5)	1457	(660.9)
B2400-18	18"	(460)	1 1/4"	(31.7)	1 3/4"	(44.4)	27"	(685.8)	1/2"	(12.7)	2161	(980.2)
B2400-20	20"	(510)	1 1/4"	(31.7)	1 3/4"	(44.4)	29"	(736.6)	1/2"	(12.7)	2382	(1080.5)
B2400-24	24"	(610)	1 1/4"	(31.7)	1 3/4"	(44.4)	33"	(838.2)	1/2"	(12.7)	2820	(1279.1)

Part No.	Design Load 1 Lbs.	Design Load 1 kN	Design Load 2 Lbs.	Design Load 2 kN	Design Load 3 Lbs.	Design Load 3 kN
B2400-1/2	600	(2.67)	150	(.67)	105	(.47)
B2400-3/4	600	(2.67)	150	(.67)	105	(.47)
B2400-1	600	(2.67)	150	(.67)	120	(.53)
B2400-1 1/4	600	(2.67)	150	(.67)	120	(.53)
B2400-1 1/2	600	(2.67)	150	(.67)	120	(.53)
B2400-2	1200	(5.34)	480	(2.14)	180	(.80)
B2400-2 1/2	1200	(5.34)	480	(2.14)	180	(.80)
B2400-3	1200	(5.34)	480	(2.14)	300	(1.33)
B2400-3 1/2	1200	(5.34)	480	(2.14)	300	(1.33)
B2400-4	1500	(6.67)	600	(2.67)	450	(2.00)
B2400-5	1500	(6.67)	600	(2.67)	450	(2.00)
B2400-6	1500	(6.67)	600	(2.67)	450	(2.00)
B2400-8	2000	(8.90)	800	(3.56)	600	(2.67)
B2400-10	2000	(8.90)	800	(3.56)	600	(2.67)
B2400-12	2000	(8.90)	800	(3.56)	600	(2.67)
B2400-14	2000	(8.90)	800	(3.56)	600	(2.67)
B2400-16	2000	(8.90)	800	(3.56)	600	(2.67)
B2400-18	2000	(8.90)	800	(3.56)	600	(2.67)
B2400-20	2000	(8.90)	800	(3.56)	600	(2.67)
B2400-24	2000	(8.90)	800	(3.56)	600	(2.67)

Reference page 110 for general fitting and standard finish specifications.

B437 SERIES
TWO PIECE PIPE STRAP

- Clamp halves can turn allowing pipe to be fastened to channel at any direction
- Order hardware separately
- Standard finish: ZN

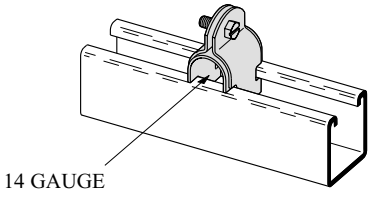


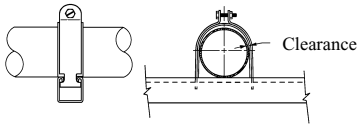
Part No.	Pipe Size		A		T		Wt./C Lbs.	kg
B437-1/2	1/2"	(15)	5/16"	(7.9)	10 Ga.	(3.4)	22	(10.0)
B437-3/4	3/4"	(20)	5/16"	(7.9)	10 Ga.	(3.4)	26	(11.8)
B437-1	1"	(25)	5/16"	(7.9)	10 Ga.	(3.4)	30	(13.6)
B437-1 1/4	1 1/4"	(32)	5/16"	(7.9)	10 Ga.	(3.4)	35	(15.9)
B437-1 1/2	1 1/2"	(40)	5/16"	(7.9)	10 Ga.	(3.4)	38	(17.2)
B437-2	2"	(50)	7/16"	(11.1)	1/4"	(6.3)	91	(41.3)
B437-2 1/2	2 1/2"	(65)	7/16"	(11.1)	1/4"	(6.3)	104	(47.2)
B437-3	3"	(80)	7/16"	(11.1)	1/4"	(6.3)	130	(58.9)
B437-3 1/2	3 1/2"	(90)	7/16"	(11.1)	1/4"	(6.3)	149	(67.6)
B437-4	4"	(100)	9/16"	(11.1)	1/4"	(6.3)	158	(71.6)
B437-5	5"	(125)	9/16"	(11.1)	1/4"	(6.3)	190	(86.2)
B437-6	6"	(150)	9/16"	(11.1)	1/4"	(6.3)	217	(98.4)
B437-8	8"	(200)	9/16"	(11.1)	1/4"	(6.3)	295	(133.8)

B2417
STRUT MOUNTED PIPE GUIDE

- Copper tubing sizes available - B2417CT Series
- Standard finish: ZN

NEW



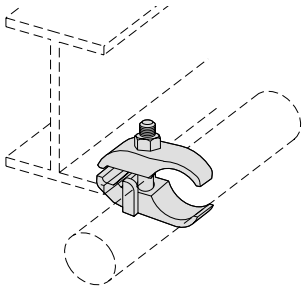


Part No.	Pipe Size		Minimum Radial Clearance		Includes Clamp No.	Wt./C Lbs.	kg
B2417-1/2	1/2"	(15)	1/16"	(1.6)	B2009	22	(10.0)
B2417-3/4	3/4"	(20)	1/16"	(1.6)	B2010	25	(11.3)
B2417-1	1"	(25)	3/32"	(2.3)	B2034	30	(13.6)
B2417-1 1/4	1 1/4"	(32)	3/32"	(2.3)	B2037	47	(21.8)
B2417-1 1/2	1 1/2"	(40)	3/32"	(2.3)	B2039	51	(23.1)
B2417-2	2"	(50)	1/8"	(3.2)	B2043	62	(28.1)
B2417-2 1/2	2 1/2"	(65)	1/8"	(3.2)	B2047	69	(31.3)
B2417-3	3"	(80)	5/32"	(3.9)	B2016	108	(49.0)
B2417-3 1/2	3 1/2"	(90)	5/32"	(3.9)	B2017	118	(53.5)
B2417-4	4"	(100)	5/32"	(3.9)	B2018	128	(58.0)

Reference page 110 for general fitting and standard finish specifications.

B670 SERIES
PARALLEL PIPE CLAMP

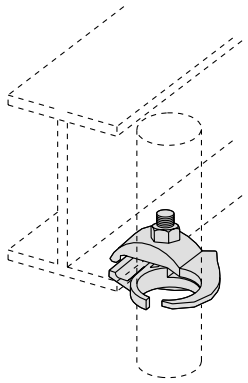
- Designed to support pipe or rigid conduit parallel to the edge of a beam or angle iron
- Hardware included
- Material: Malleable Iron
- Standard finish: HDG



Part Number	Pipe or Conduit Size		Wt./C Lbs.	kg
B670-3/8	3/8"	(10)	32	(14.5)
B670-1/2	1/2"	(15)	58	(26.3)
B670-3/4	3/4"	(20)	64	(29.0)
B670-1	1"	(25)	70	(31.7)
B670-1 1/4	1 1/4"	(32)	77	(34.9)
B670-1 1/2	1 1/2"	(40)	93	(42.2)
B670-2	2"	(50)	105	(47.6)
B670-2 1/2	2 1/2"	(65)	143	(64.8)
B670-3	3"	(80)	164	(74.4)
B670-3 1/2	3 1/2"	(90)	190	(86.2)
B670-4	4"	(100)	205	(93.0)

B671 SERIES
EDGE PIPE CLAMP

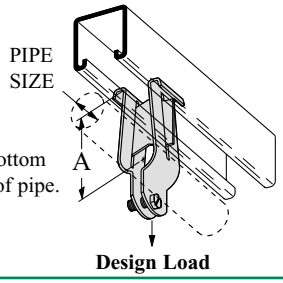
- Designed to support pipe or rigid conduit perpendicular to the edge of a beam or angle iron
- Hardware included
- Material: Malleable Iron
- Standard finish: HDG



Part Number	Pipe or Conduit Size		Wt./C Lbs.	kg
B671-1/2	1/2"	(15)	67	(30.4)
B671-3/4	3/4"	(20)	71	(32.2)
B671-1	1"	(25)	85	(38.5)
B671-1 1/4	1 1/4"	(32)	91	(41.3)
B671-1 1/2	1 1/2"	(40)	115	(52.1)
B671-2	2"	(50)	135	(61.2)
B671-2 1/2	2 1/2"	(65)	183	(83.0)
B671-3	3"	(80)	230	(104.3)

B2070 THRU B2080
PARALLEL PIPE CLAMP

- Safety Factor of 2
- Designed to support pipe or rigid conduit
- Includes:
  - 1 pr. Pipe Clamps
  - 1 pc. Stand Off Plate
  - 1 pc. Slotted Hex Head Machine Screws
  - 1 pc. Square Nut
- Standard finish: ZN



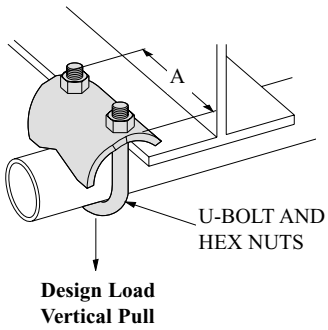
A dimension, from bottom of channel to center of pipe.

Design Load

Part No.	Pipe Size		A		Material Thickness		Design Load Lbs.	kN	Wt./C Lbs.	kg
B2070	3/8"	(10)	1 11/16"	(42.9)	16 Ga.	(1.5)	300	(1.33)	24	(10.9)
B2071	1/2"	(15)	1 3/4"	(44.4)	16 Ga.	(1.5)	300	(1.33)	26	(11.8)
B2072	3/4"	(20)	1 7/8"	(47.6)	14 Ga.	(1.9)	300	(1.33)	30	(13.6)
B2073	1"	(25)	2"	(50.8)	14 Ga.	(1.9)	400	(1.78)	33	(14.9)
B2074	1 1/4"	(32)	2 3/16"	(55.6)	14 Ga.	(1.9)	400	(1.78)	36	(16.3)
B2075	1 1/2"	(40)	2 5/16"	(58.7)	12 Ga.	(2.6)	500	(2.22)	50	(22.7)
B2076	2"	(50)	2 9/16"	(65.1)	12 Ga.	(2.6)	500	(2.22)	55	(24.9)
B2077	2 1/2"	(65)	2 7/8"	(73.0)	12 Ga.	(2.6)	500	(2.22)	60	(27.2)
B2078	3"	(80)	3 3/16"	(80.9)	12 Ga.	(2.6)	500	(2.22)	66	(29.9)
B2079	3 1/2"	(90)	3 7/16"	(87.3)	11 Ga.	(3.0)	500	(2.22)	85	(38.5)
B2080	4"	(100)	3 5/8"	(92.1)	11 Ga.	(3.0)	500	(2.22)	95	(43.1)

B422 SERIES
RIGHT ANGLE CLAMP

- Safety Factor of 5
- Material: 7 Gauge (4.5)
- Standard finishes: ZN, SS4



Design Load Vertical Pull

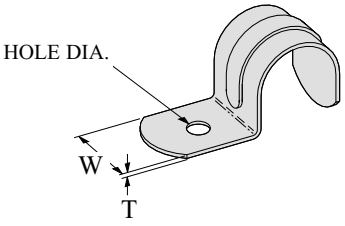
Part No.	Conduit Size		A		Design Load Vertical Pull Lbs.	kg	Wt./C Lbs.	kg
B422-1/2	1/2"	(15)	2 3/8"	(60.3)	250	(1.11)	38	(17.2)
B422-3/4	3/4"	(20)	2 3/8"	(60.3)	300	(1.33)	39	(17.7)
B422-1	1"	(25)	2 7/8"	(73.0)	400	(1.78)	48	(21.8)
B422-1 1/4	1 1/4"	(32)	2 7/8"	(73.0)	400	(1.78)	50	(22.7)
B422-1 1/2	1 1/2"	(40)	3 1/4"	(82.5)	500	(2.22)	59	(26.7)
B422-2	2	(50)	3 11/16"	(93.7)	600	(2.67)	75	(34.0)
B422-2 1/2	2 1/2"	(65)	4 1/4"	(107.9)	700	(3.11)	98	(44.4)
B422-3	3"	(80)	4 7/8"	(123.8)	800	(3.56)	111	(50.3)
B422-3 1/2	3 1/2"	(90)	5 7/16"	(138.1)	900	(4.00)	123	(55.8)
B422-4	4"	(100)	6"	(152.4)	1000	(4.45)	135	(61.2)

Reference page 110 for general fitting and standard finish specifications.

PIPE CLAMPS

B-Line

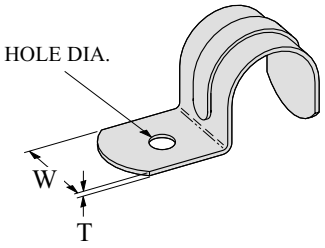
B2301 SERIES
ONE HOLE EMT STRAP
•Standard finish: ZN



Part No.	Conduit Size		T		W		Hole Dia.		Wt./C Lbs.	kg
B2301-1/2	1/2"	(15)	.050	(1.3)	3/4"	(19.0)	9/32"	(7.1)	2.4	(1.1)
B2301-3/4	3/4"	(20)	.050	(1.3)	7/8"	(22.2)	9/32"	(7.1)	4.2	(1.9)
B2301-1	1"	(25)	.050	(1.3)	1"	(25.4)	9/32"	(7.1)	8.3	(3.7)
B2301-1 1/4	1 1/4"	(32)	.065	(1.6)	1 1/4"	(31.7)	9/32"	(7.1)	11.0	(5.0)
B2301-1 1/2	1 1/2"	(40)	.090	(2.3)	1"	(25.4)	11/32"	(8.7)	14.8	(6.7)
B2301-2	2"	(50)	.090	(2.3)	1 1/4"	(31.7)	13/32"	(10.3)	21.6	(9.8)

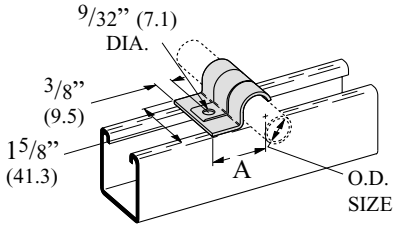
B2302 SERIES
ONE HOLE RIGID CONDUIT/PIPE STRAP
•Standard finish: ZN

Part No.	Conduit/Pipe Size		T		W		Hole Dia.		Wt./C Lbs.	kg
B2302-1/4	1/4"	(6)	.045	(1.1)	5/8"	(15.9)	13/64"	(5.1)	1.4	(.6)
B2302-3/8	3/8"	(10)	.050	(1.3)	3/4"	(19.0)	9/32"	(7.1)	2.4	(1.1)
B2302-1/2	1/2"	(15)	.050	(1.3)	7/8"	(22.2)	9/32"	(7.1)	3.3	(1.5)
B2302-3/4	3/4"	(20)	.050	(1.3)	7/8"	(22.2)	9/32"	(7.1)	3.8	(1.7)
B2302-1	1"	(25)	.065	(1.6)	1"	(25.4)	9/32"	(7.1)	7.2	(3.2)
B2302-1 1/4	1 1/4"	(32)	.065	(1.6)	1 1/4"	(31.7)	21/64"	(8.3)	11.0	(5.0)
B2302-1 1/2	1 1/2"	(40)	11 Ga.	(3.0)	1"	(25.4)	.380	(9.6)	19.2	(8.7)
B2302-2	2"	(50)	11 Ga.	(3.0)	1 1/4"	(31.7)	.389	(9.9)	28.8	(13.0)
B2302-2 1/2	2 1/2"	(65)	7 Ga.	(4.5)	1 1/4"	(31.7)	.665	(16.9)	55.2	(25.0)
B2302-3	3"	(80)	7 Ga.	(4.5)	1 1/4"	(31.7)	.650	(16.5)	68.0	(30.8)
B2302-3 1/2	3 1/2"	(90)	1/4"	(6.3)	1 1/4"	(31.7)	.622	(15.8)	96.0	(43.5)
B2302-4	4"	(100)	1/4"	(6.3)	1 1/4"	(31.7)	.630	(16.0)	108.0	(49.0)



B2084 THRU B2091
ONE HOLE O.D. TUBING CLAMP
•Material: 14 Gauge (1.9)
ASTM A570 Gr. 33
•Standard finish: ZN

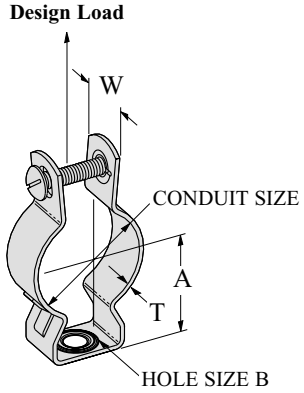
Part No.	O.D. Size		A		Wt./C Lbs.	kg
B2084	1/4"	(6.3)	7/8"	(22.2)	4.0	(1.8)
B2085	5/16"	(7.9)	29/32"	(23.0)	4.2	(1.9)
B2086	3/8"	(9.5)	31/32"	(24.6)	5.2	(2.3)
B2087	1/2"	(12.7)	1 1/16"	(25.9)	5.8	(2.6)
B2088	5/8"	(15.9)	1 3/32"	(27.8)	7.1	(3.2)
B2089	3/4"	(19.0)	1 5/32"	(29.1)	7.7	(3.5)
B2090	7/8"	(22.2)	1 7/32"	(30.7)	8.7	(3.9)
B2091	1"	(25.4)	1 9/32"	(32.2)	10.0	(4.5)



Reference page 110 for general fitting and standard finish specifications.

BL1400 SERIES
CONDUIT HANGER

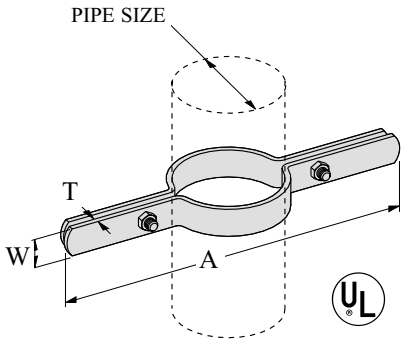
- Safety Factor of 3
- Unless noted all sizes fit both rigid and thinwall (EMT) conduit
- Hardware included
- Standard finishes: ZN, SS4



Part No	Conduit Size		A		B		T		W		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
BL1400	1/2"	(15)	29/32"	(23.0)	9/32"	(7.1)	16 Ga.	(1.5)	3/4"	(19.0)	590	(2.62)	6	(2.7)
BL1410	3/4"	(20)	31/32"	(24.6)	9/32"	(7.1)	16 Ga.	(1.5)	3/4"	(19.0)	590	(2.62)	7	(3.2)
BL1420	1"	(25)	1 1/4"	(31.7)	9/32"	(7.1)	16 Ga.	(1.5)	3/4"	(19.0)	590	(2.62)	8	(3.6)
BL1425	1 1/4" EMT	(32)	1 1/4"	(31.7)	9/32"	(7.1)	18 Ga.	(1.2)	7/8"	(22.2)	590	(2.62)	10	(4.5)
BL1430	1 1/4"R,1 1/2"EMT	(32)	1 13/32"	(35.7)	9/32"	(8.7)	18 Ga.	(1.2)	7/8"	(22.2)	590	(2.62)	10	(4.5)
BL1440	1 1/2"	(40)	1 5/8"	(41.3)	11/32"	(8.7)	16 Ga.	(1.5)	1"	(25.4)	755	(3.36)	17	(7.7)
BL1450	2"	(50)	2 1/16"	(47.6)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	755	(3.36)	25	(11.3)
BL1460	2 1/2"	(65)	2 1/16"	(52.4)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	755	(3.36)	26	(11.8)
BL1470	3"	(80)	2 1/2"	(63.5)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	820	(3.65)	33	(14.9)
BL1480	3 1/2"	(90)	2 3/4"	(69.8)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	850	(3.78)	36	(16.3)
BL1490	4"	(100)	3 1/2"	(88.9)	11/32"	(8.7)	16 Ga.	(1.5)	1 1/4"	(31.7)	1410	(6.27)	40	(18.1)

B3373 SERIES
RISER CLAMP

- Safety Factor of 4
- B3373-3/4 thru B3373-8 are UL listed
- Includes Hex Head Cap Screws and Hex Nuts
- Standard finishes: ZN, PLN



Part No.	Pipe Size		A		T		W		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3373-1/2	1/2"	(15)	9"	(228.6)	3/16"	(4.7)	1"	(25.4)	255	(1.13)	103	(46.3)
B3373-3/4	3/4"	(20)	9 1/4"	(234.9)	3/16"	(4.7)	1"	(25.4)	255	(1.13)	106	(47.7)
B3373-1	1"	(25)	9 9/16"	(242.9)	3/16"	(4.7)	1"	(25.4)	255	(1.13)	111	(49.9)
B3373-1 1/4	1 1/4"	(32)	10"	(254.0)	3/16"	(4.7)	1"	(25.4)	255	(1.13)	114	(51.3)
B3373-1 1/2	1 1/2"	(32)	10 1/4"	(260.3)	3/16"	(4.7)	1"	(25.4)	255	(1.13)	120	(54.0)
B3373-2	2"	(40)	10 3/4"	(273.0)	1/4"	(6.3)	1"	(25.4)	255	(1.13)	167	(75.1)
B3373-2 1/2	2 1/2"	(50)	11 1/4"	(285.7)	1/4"	(6.3)	1"	(25.4)	390	(1.73)	177	(79.6)
B3373-3	3"	(65)	11 15/16"	(303.2)	1/4"	(6.3)	1"	(25.4)	530	(2.36)	191	(85.9)
B3373-3 1/2	3 1/2"	(80)	12 3/8"	(314.3)	1/4"	(6.3)	1"	(25.4)	670	(2.98)	216	(97.2)
B3373-4	4"	(90)	12 7/8"	(327.0)	1/4"	(6.3)	1"	(25.4)	810	(3.60)	227	(102.1)
B3373-5	5"	(100)	14"	(355.6)	1/4"	(6.3)	1 1/2"	(38.1)	1160	(5.16)	471	(213.6)
B3373-6	6"	(100)	15 3/16"	(385.8)	1/4"	(6.3)	1 1/2"	(38.1)	1570	(6.98)	518	(234.9)
B3373-8	8"	(100)	17 3/4"	(450.8)	3/8"	(9.5)	1 1/2"	(38.1)	2500	(11.12)	950	(430.9)

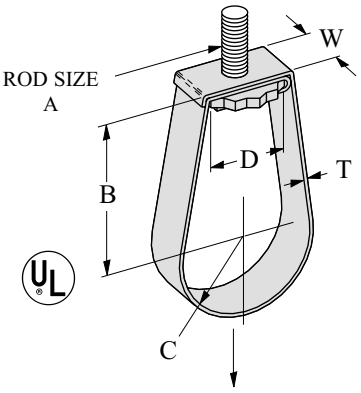
Reference page 110 for general fitting and standard finish specifications.

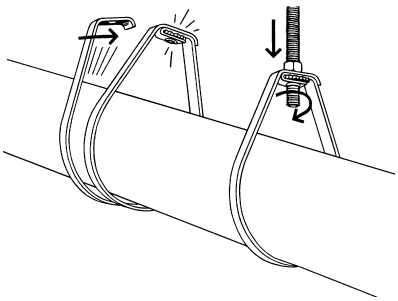
PIPE HANGERS

B-Line

B3174 SERIES
TWIRL ADJUSTABLE BAND HANGER

- Safety Factor of 5
- B3174-3/4 thru B3174-4 are UL listed
- Standard finish: Pre-Galvanized
- The B3174 series is also offered in stainless steel





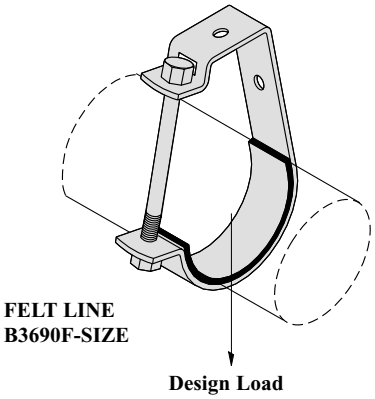
Part No.	Pipe Size		Rod Size A		B		C		D	
B3174-1/2	1/2"	(15)	3/8"	(9.5)	2"	(50.8)	.453	(11.5)	1 1/4"	(31.7)
B3174-3/4	3/4"	(20)	3/8"	(9.5)	2 1/32"	(51.6)	.578	(14.7)	1 1/4"	(31.7)
B3174-1	1"	(25)	3/8"	(9.5)	2 1/32"	(51.6)	.703	(17.8)	1 1/4"	(31.7)
B3174-1 1/4	1 1/4"	(32)	3/8"	(9.5)	2 9/32"	(57.9)	.860	(21.8)	1 1/4"	(31.7)
B3174-1 1/2	1 1/2"	(40)	3/8"	(9.5)	2 17/32"	(64.3)	.968	(24.6)	1 1/4"	(31.7)
B3174-2	2"	(50)	3/8"	(9.5)	2 25/32"	(70.6)	1.218	(30.9)	1 1/4"	(31.7)
B3174-2 1/2	2 1/2"	(65)	3/8"	(9.5)	3 1/4"	(82.5)	1.469	(37.3)	1 3/8"	(34.9)
B3174-3	3"	(80)	3/8"	(9.5)	3 5/8"	(92.1)	1.828	(46.4)	1 3/8"	(34.9)
B3174-3 1/2	3 1/2"	(90)	3/8"	(9.5)	4"	(101.6)	2.078	(52.8)	1 3/8"	(34.9)
B3174-4	4"	(100)	3/8"	(9.5)	4 5/16"	(109.5)	2.281	(57.9)	1 3/8"	(34.9)

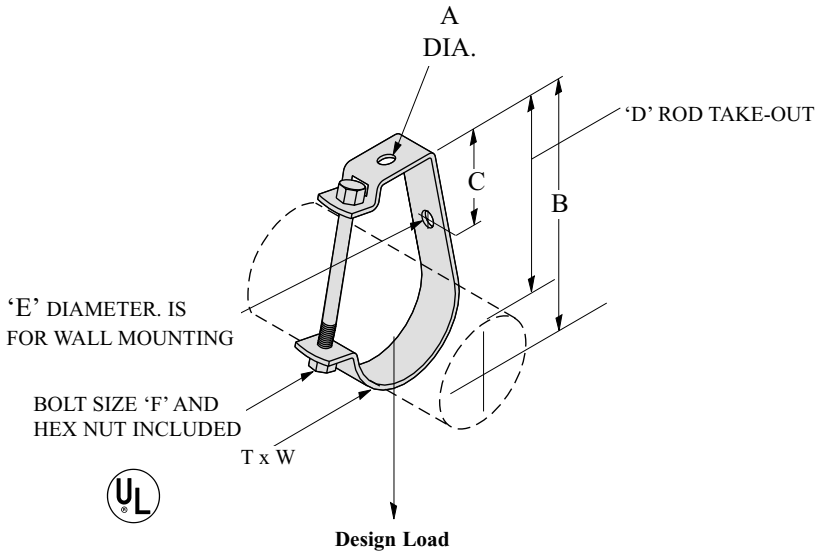
Part No.	T		W		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3174-1/2	16 Ga.	(1.5)	5/8"	(15.9)	200	(0.89)	12	(5.4)
B3174-3/4	16 Ga.	(1.5)	5/8"	(15.9)	200	(0.89)	12	(5.4)
B3174-1	16 Ga.	(1.5)	5/8"	(15.9)	200	(0.89)	13	(5.9)
B3174-1 1/4	16 Ga.	(1.5)	5/8"	(15.9)	200	(0.89)	13	(5.9)
B3174-1 1/2	16 Ga.	(1.5)	5/8"	(15.9)	200	(0.89)	14	(6.3)
B3174-2	16 Ga.	(1.5)	5/8"	(15.9)	200	(0.89)	18	(8.1)
B3174-2 1/2	16 Ga.	(1.5)	7/8"	(22.2)	240	(1.07)	27	(12.2)
B3174-3	16 Ga.	(1.5)	7/8"	(22.2)	280	(1.24)	30	(13.6)
B3174-3 1/2	16 Ga.	(1.5)	7/8"	(22.2)	320	(1.42)	32	(14.5)
B3174-4	14 Ga.	(1.9)	1"	(25.4)	400	(1.78)	50	(22.7)

Reference page 110 for general fitting and standard finish specifications.

B3690 SERIES
ADJUSTABLE J HANGER

- Safety Factor of 5
- B3690-3/4 thru B3690-8 are UL listed
- Material:
  11 Ga. (3.0) ASTM A607 Grade 50
  7 Ga. (4.5) ASTM A570 Gr. 33 and
  1/4" (6.3) ASTM A907 Gr. 33
- Standard finish: ZN





Part No.	Pipe or Conduit Size		A		B		C		D		E		F
B3690-1/2	1/2"	(15)	13/32"	(10.3)	2 3/32"	(53.2)	1"	(25.4)	1 11/16"	(42.5)	13/32"	(10.3)	1/4"-20 x 2 1/4"
B3690-3/4	3/4"	(20)	13/32"	(10.3)	2 11/32"	(59.5)	1"	(25.4)	1 13/16"	(46.2)	13/32"	(10.3)	1/4"-20 x 2 1/2"
B3690-1	1"	(25)	13/32"	(10.3)	2 19/32"	(65.9)	1"	(25.4)	1 15/16"	(49.2)	13/32"	(10.3)	1/4"-20 x 2 3/4"
B3690-1 1/4	1 1/4"	(32)	13/32"	(10.3)	2 13/16"	(71.4)	1"	(25.4)	2"	(50.4)	13/32"	(10.3)	1/4"-20 x 3"
B3690-1 1/2	1 1/2"	(40)	13/32"	(10.3)	3 1/16"	(77.8)	1"	(25.4)	2 1/8"	(53.7)	13/32"	(10.3)	1/4"-20 x 3 1/4"
B3690-2	2"	(50)	13/32"	(10.3)	3 1/2"	(88.9)	1"	(25.4)	2 5/16"	(58.7)	13/32"	(10.3)	1/4"-20 x 3 1/2"
B3690-2 1/2	2 1/2"	(65)	9/16"	(14.3)	4 7/16"	(112.7)	1"	(25.4)	3"	(76.2)	9/16"	(14.3)	3/8"-16 x 4 1/2"
B3690-3	3"	(80)	9/16"	(14.3)	4 7/8"	(123.8)	1"	(25.4)	3 1/8"	(79.4)	9/16"	(14.3)	3/8"-16 x 5"
B3690-3 1/2	3 1/2"	(90)	9/16"	(14.3)	5 3/16"	(131.8)	1"	(25.4)	3 3/16"	(81.0)	9/16"	(14.3)	3/8"-16 x 5 1/2"
B3690-4	4"	(100)	11/16"	(17.5)	6 1/8"	(155.6)	1 1/4"	(31.8)	3 7/8"	(98.4)	9/16"	(14.3)	3/8"-16 x 6 1/2"
B3690-5	5"	(125)	11/16"	(17.5)	6 3/4"	(171.4)	1 1/2"	(38.1)	4"	(100.8)	9/16"	(14.3)	3/8"-16 x 7 1/2"
B3690-6	6"	(150)	13/16"	(20.6)	7 3/4"	(196.8)	1 3/16"	(30.2)	4 7/16"	(112.7)	9/16"	(14.3)	3/8"-16 x 8 1/2"
B3690-8	8"	(200)	13/16"	(20.6)	9 1/4"	(235.0)	1"	(25.4)	4 15/16"	(125.4)	9/16"	(14.3)	3/8"-16 x 10 1/2"

Part No.	T		W		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B3690-1/2	11 Ga.	(3.0)	3/4"	(19.0)	400	(1.78)	20	(9.1)
B3690-3/4	11 Ga.	(3.0)	3/4"	(19.0)	400	(1.78)	23	(10.4)
B3690-1	11 Ga.	(3.0)	3/4"	(19.0)	400	(1.78)	24	(10.9)
B3690-1 1/4	11 Ga.	(3.0)	3/4"	(19.0)	400	(1.78)	27	(12.2)
B3690-1 1/2	11 Ga.	(3.0)	3/4"	(19.0)	400	(1.78)	29	(13.1)
B3690-2	11 Ga.	(3.0)	3/4"	(19.0)	400	(1.78)	32	(14.5)
B3690-2 1/2	11 Ga.	(3.0)	1 1/4"	(31.7)	800	(3.56)	71	(32.2)
B3690-3	11 Ga.	(3.0)	1 1/4"	(31.7)	800	(3.56)	77	(34.9)
B3690-3 1/2	11 Ga.	(3.0)	1 1/4"	(31.7)	800	(3.56)	84	(38.1)
B3690-4	7 Ga.	(4.5)	1 1/4"	(31.7)	800	(3.56)	139	(63.0)
B3690-5	7 Ga.	(4.5)	1 1/4"	(31.7)	800	(3.56)	166	(75.3)
B3690-6	1/4"	(6.3)	1 1/4"	(31.7)	1000	(4.45)	226	(102.5)
B3690-8	1/4"	(6.3)	1 1/2"	(38.1)	1200	(5.34)	332	(150.6)

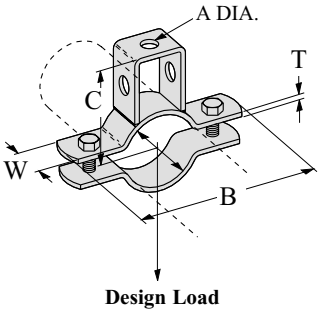
Reference page 110 for general fitting and standard finish specifications.

PIPE HANGERS

B-Line

B386 SERIES
SUSPENSION ROD PIPE STRAP

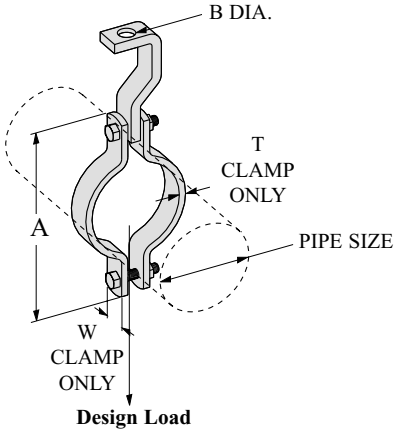
•Safety Factor of 3
•Includes Hex Head Cap Screws and Hex Nuts
•Standard finishes: ZN, GRN



Part No.	Pipe Size		A		B		C		T		W		Design Load Lbs.	kN	Wt./C Lbs.	kg
B386-3/4	3/4"	(20)	7/16"	(11.1)	3 5/16"	(84.1)	2 3/16"	(55.6)	1/8"	(3.2)	1"	(25.4)	625	(2.78)	46	(20.8)
B386-1	1"	(25)	7/16"	(11.1)	3 3/4"	(95.2)	2 5/16"	(58.7)	1/8"	(3.2)	1"	(25.4)	625	(2.78)	51	(23.1)
B386-1 1/4	1 1/4"	(32)	7/16"	(11.1)	4"	(101.6)	2 17/32"	(64.3)	1/8"	(3.2)	1"	(25.4)	625	(2.78)	52	(23.6)
B386-1 1/2	1 1/2"	(40)	7/16"	(11.1)	4 5/16"	(109.5)	2 11/16"	(68.3)	1/8"	(3.2)	1"	(25.4)	625	(2.78)	54	(24.5)
B386-2	2"	(50)	7/16"	(11.1)	5 1/2"	(139.7)	3 5/16"	(84.1)	1/4"	(6.3)	1"	(25.4)	1575	(7.01)	134	(60.8)
B386-2 1/2	2 1/2"	(65)	9/16"	(14.3)	6 3/8"	(161.9)	3 1/2"	(88.9)	1/4"	(6.3)	1"	(25.4)	1575	(7.01)	157	(71.2)
B386-3	3"	(80)	9/16"	(14.3)	7"	(177.8)	3 7/8"	(98.4)	1/4"	(6.3)	1"	(25.4)	1575	(7.01)	168	(76.2)
B386-3 1/2	3 1/2"	(90)	9/16"	(14.3)	7 9/16"	(192.1)	4 1/8"	(104.8)	1/4"	(6.3)	1"	(25.4)	1575	(7.01)	197	(89.3)
B386-4	4"	(100)	9/16"	(14.3)	8 5/8"	(219.1)	4 3/8"	(111.1)	1/4"	(6.3)	1 1/4"	(31.7)	2015	(8.96)	270	(122.4)
B386-5	5"	(125)	11/16"	(17.4)	9 3/4"	(247.6)	5 3/16"	(131.8)	1/4"	(6.3)	1 1/4"	(31.7)	2015	(8.96)	308	(139.7)
B386-6	6"	(150)	11/16"	(17.4)	11 5/8"	(295.3)	6 1/16"	(154.0)	3/8"	(9.5)	1 1/2"	(38.1)	3040	(13.52)	609	(276.4)
B386-8	8"	(200)	13/16"	(20.6)	13 7/8"	(352.4)	7 1/8"	(181.0)	3/8"	(9.5)	1 1/2"	(38.1)	3040	(14.86)	713	(323.4)

B394 SERIES
PIPE STRAP

•Safety Factor of 3
•Includes:
1 Pair Pipe Clamps with Hex Head Cap Screws and Hex Nuts
1 Hanger Strap
•Standard finishes: ZN

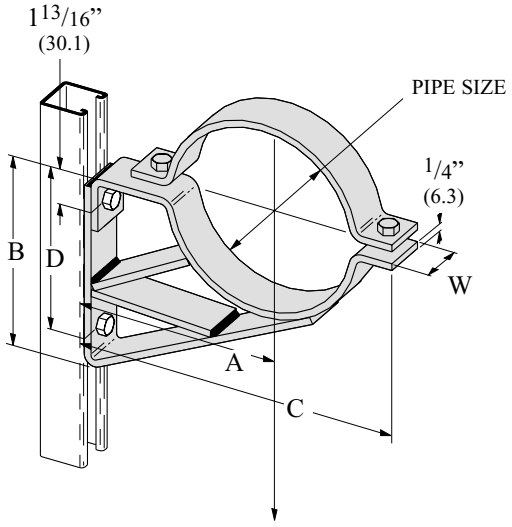


Part No.	Pipe Size		A		B		T		W		Design Load Lbs.	kN	Wt./C Lbs.	kg
B394-3/4	3/4"	(20)	3 5/16"	(84.1)	7/16"	(11.1)	1/8"	(3.2)	1"	(25.4)	500	(2.22)	71	(32.2)
B394-1	1"	(25)	3 3/4"	(95.2)	7/16"	(11.1)	1/8"	(3.2)	1"	(25.4)	500	(2.22)	76	(34.5)
B394-1 1/4	1 1/4"	(32)	4"	(101.6)	7/16"	(11.1)	1/8"	(3.2)	1"	(25.4)	500	(2.22)	77	(34.9)
B394-1 1/2	1 1/2"	(40)	4 5/16"	(109.5)	7/16"	(11.1)	1/8"	(3.2)	1"	(25.4)	800	(3.56)	79	(35.8)
B394-2	2"	(50)	5 1/2"	(139.7)	7/16"	(11.1)	1/4"	(6.3)	1"	(25.4)	1040	(4.62)	166	(75.3)
B394-2 1/2	2 1/2"	(65)	6 3/8"	(161.9)	9/16"	(14.3)	1/4"	(6.3)	1"	(25.4)	1040	(4.62)	179	(81.2)
B394-3	3"	(80)	7"	(177.8)	9/16"	(14.3)	1/4"	(6.3)	1"	(25.4)	1040	(4.62)	190	(86.2)
B394-3 1/2	3 1/2"	(90)	7 9/16"	(192.1)	9/16"	(14.3)	1/4"	(6.3)	1"	(25.4)	1040	(4.62)	203	(92.1)
B394-4	4"	(100)	8 5/8"	(219.1)	11/16"	(17.4)	1/4"	(6.3)	1 1/4"	(31.7)	1040	(4.62)	320	(145.1)
B394-5	5"	(125)	9 3/4"	(247.6)	11/16"	(17.4)	1/4"	(6.3)	1 1/4"	(31.7)	1040	(4.62)	353	(160.1)
B394-6	6"	(150)	11 5/8"	(295.3)	13/16"	(20.6)	3/8"	(9.5)	1 1/2"	(38.1)	1615	(7.18)	637	(288.9)
B394-8	8"	(200)	13 7/8"	(352.4)	13/16"	(20.6)	3/8"	(9.5)	1 1/2"	(38.1)	1615	(7.18)	837	(379.6)

Reference page 110 for general fitting and standard finish specifications.

B591 SERIES
PIPE BRACKET SADDLE AND CLAMP

- Safety Factor of 3
- Inside brace not required on B591-2 and B591-2 1/2
- Includes:
  - 1 pc. Saddle bottom
  - 1 pc. Saddle top (clamp)
  - 2 pcs. Hex Head Cap Screws
  - 2 pcs. Hex Nuts
- Standard finish: ZN



Design Load

Part No.	Pipe Size		A		B		C		D		W		Design Load Lbs.	Design Load kN	Wt./C Lbs.	Wt./C kg
B591-2	2"	(50)	4 1/2"	(114.3)	4 1/2"	(114.3)	7 3/16"	(182.6)	3 1/16"	(77.8)	1 5/8"	(41.3)	1235	(5.53)	290	(131.5)
B591-2 1/2	2 1/2"	(65)	5"	(127.0)	5"	(127.0)	7 15/16"	(201.6)	3 9/16"	(90.5)	1 5/8"	(41.3)	1180	(5.29)	330	(149.7)
B591-3	3"	(80)	5 1/2"	(139.7)	5 3/4"	(146.0)	8 3/4"	(222.2)	3 13/16"	(96.8)	1 5/8"	(41.3)	1125	(5.04)	439	(199.1)
B591-3 1/2	3 1/2"	(90)	6"	(152.4)	6 3/4"	(171.4)	9 1/2"	(241.3)	4 9/16"	(115.9)	1 5/8"	(41.3)	1070	(4.79)	490	(222.2)
B591-4	4"	(100)	6 1/2"	(165.1)	6 3/4"	(171.4)	10 1/4"	(260.3)	6 1/16"	(128.6)	1 5/8"	(41.3)	1015	(4.55)	545	(247.2)
B591-5	5"	(125)	7 1/2"	(190.5)	8"	(203.2)	12 1/8"	(308.0)	6 1/16"	(154.0)	1 5/8"	(41.3)	960	(4.30)	666	(302.1)
B591-6	6"	(150)	8"	(203.2)	8 3/4"	(222.2)	13 3/16"	(335.0)	6 13/16"	(173.0)	1 5/8"	(41.3)	905	(4.05)	724	(328.4)
B591-8	8"	(200)	9"	(228.6)	10 1/2"	(266.7)	15 9/16"	(395.3)	8 9/16"	(217.5)	2"	(50.8)	850	(3.81)	1087	(493.0)

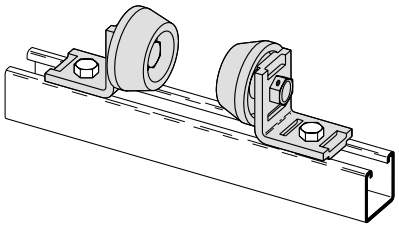
Reference page 110 for general fitting and standard finish specifications.

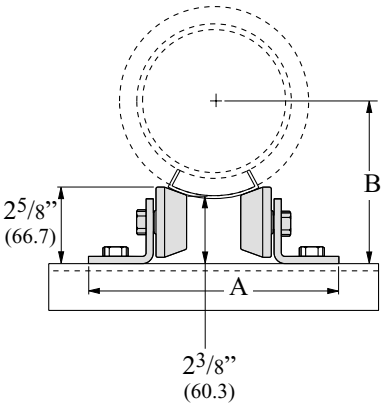
PIPE ROLLERS

B-Line

B218
PIPE ROLLERS-1/2" (15) TO 8" (200) PIPE

- Design Load 500 Lbs. (2.22 kN)
- Safety Factor of 5
- When used with B3160 thru B3165 Saddles (See Pipe Hanger Catalog)
- Malleable Iron Rollers
- Sold in pairs
- Required hardware not included:
  2 pcs. 1/2"-13 x 1 1/4" Hex Head Cap Screws
  2 pcs. 1/2"-13 Channel Nuts
- Standard finish: ZN
- Wt./C 256 Lbs. (116.1 kg) Per Pair





REFERENCE CHART - A DIMENSION

Pipe Size		Insulation Thickness													
		0" (0.0)		1" (25.4)		1 1/2" (38.1)		2" (50.8)		2 1/2" (63.5)		3" (76.2)		4" (101.6)	
1/2"	(15)	7 1/4"	(184.1)	–	–	–	–	–	–	–	–	–	–	–	–
3/4"	(20)	7 1/4"	(184.1)	7 1/4"	(184.1)	7 5/8"	(193.7)	8"	(203.2)	–	–	–	–	–	–
1"	(25)	7 1/4"	(184.1)	7 1/4"	(184.1)	7 5/8"	(193.7)	8 1/4"	(209.5)	–	–	–	–	–	–
1 1/4"	(32)	7 1/4"	(184.1)	7 1/4"	(184.1)	8"	(203.2)	8 1/4"	(209.5)	–	–	–	–	–	–
1 1/2"	(40)	7 1/4"	(184.1)	7 5/8"	(193.7)	8"	(203.2)	8 1/2"	(215.9)	9"	(228.6)	–	–	–	–
2"	(50)	7 1/4"	(184.1)	7 5/8"	(193.7)	8 1/2"	(215.9)	8 1/2"	(215.9)	9"	(228.6)	–	–	–	–
2 1/2"	(65)	7 1/4"	(184.1)	8"	(203.2)	8 1/2"	(215.9)	9"	(228.6)	10"	(254.0)	–	–	–	–
3"	(80)	7 1/4"	(184.1)	8 1/2"	(215.9)	9"	(228.6)	9"	(228.6)	10"	(254.0)	10"	(254.0)	–	–
3 1/2"	(90)	7 1/4"	(184.1)	8 1/2"	(215.9)	9"	(228.6)	10"	(254.0)	10"	(254.0)	10"	(254.0)	–	–
4"	(100)	7 5/8"	(193.7)	9"	(228.6)	9"	(228.6)	10"	(254.0)	10"	(254.0)	11"	(279.4)	–	–
5"	(125)	8 1/2"	(215.9)	9"	(228.6)	10"	(254.0)	10"	(254.0)	11"	(279.4)	11"	(279.4)	12"	(304.8)
6"	(150)	9"	(228.6)	10"	(254.0)	10"	(254.0)	11"	(279.4)	11"	(279.4)	11"	(279.4)	12"	(304.8)
8"	(200)	10"	(254.0)	11"	(279.4)	11"	(279.4)	11"	(279.4)	12"	(304.8)	–	–	–	–

REFERENCE CHART - B DIMENSION

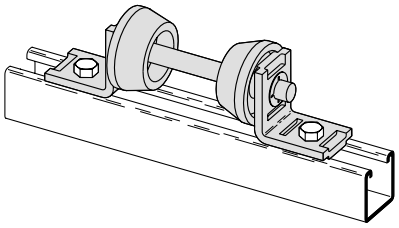
Pipe Size		Insulation Thickness													
		0" (0.0)		1" (25.4)		1 1/2" (38.1)		2" (50.8)		2 1/2" (63.5)		3" (76.2)		4" (101.6)	
1/2"	(15)	2 11/16"	(68.3)	–	–	–	–	–	–	–	–	–	–	–	–
3/4"	(20)	2 13/16"	(71.4)	3 7/8"	(98.4)	4 3/8"	(111.1)	4 7/8"	(123.8)	–	–	–	–	–	–
1"	(25)	2 15/16"	(74.6)	4 3/16"	(106.4)	4 11/16"	(119.1)	5 1/16"	(128.6)	–	–	–	–	–	–
1 1/4"	(32)	3 1/8"	(79.4)	4 3/16"	(106.4)	4 5/8"	(117.5)	5 1/8"	(130.2)	–	–	–	–	–	–
1 1/2"	(40)	3 1/4"	(82.5)	4 3/8"	(111.1)	4 7/8"	(123.8)	5 5/16"	(134.9)	5 3/4"	(146.0)	–	–	–	–
2"	(50)	3 9/16"	(90.5)	4 11/16"	(119.1)	5 1/16"	(128.6)	5 5/8"	(142.9)	6 1/16"	(154.0)	–	–	–	–
2 1/2"	(65)	3 13/16"	(96.8)	4 7/8"	(123.8)	5 5/16"	(134.9)	6"	(152.4)	6 3/8"	(161.9)	–	–	–	–
3"	(80)	4 1/8"	(104.8)	5 1/16"	(128.6)	5 9/16"	(141.3)	6 1/8"	(155.6)	6 7/16"	(163.5)	7"	(177.8)	–	–
3 1/2"	(90)	4 3/8"	(111.1)	5 5/16"	(134.9)	5 13/16"	(147.6)	6 1/4"	(158.7)	6 11/16"	(169.9)	7 1/4"	(184.1)	–	–
4"	(100)	4 5/8"	(117.5)	5 9/16"	(141.3)	6 1/16"	(154.0)	6 7/16"	(163.5)	6 15/16"	(176.2)	7 3/8"	(187.3)	–	–
5"	(125)	5"	(127.0)	6 1/16"	(154.0)	6 7/16"	(163.5)	7"	(177.8)	7 3/8"	(187.3)	7 7/8"	(200.0)	8 13/16"	(223.8)
6"	(150)	5 1/2"	(139.7)	6 7/16"	(163.5)	6 15/16"	(176.2)	7 3/8"	(187.3)	7 15/16"	(201.6)	8 1/2"	(215.9)	9 1/2"	(241.3)
8"	(200)	6 15/16"	(160.3)	7 3/8"	(187.3)	7 15/16"	(201.6)	8 7/16"	(214.3)	8 15/16"	(227.0)	–	–	–	–

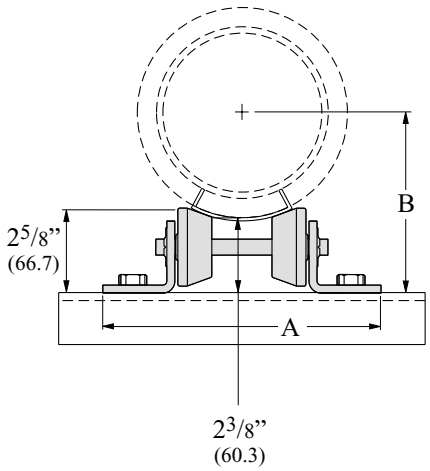
Reference page 110 for general fitting and standard finish specifications.

B219

PIPE ROLLER SERIES - 3/4" (20) TO 12" (300) PIPE

- Design Load 750 Lbs. (3.33 kN)
- Safety Factor of 5
- Requires field assembly
- When used with B3160 thru B3165 Saddles (See Pipe Hanger Catalog)
- Malleable Iron Rollers
- Sold in pairs
- Required hardware not included:
  2 pcs. 1/2"-13 x 1 1/4" Hex Head Cap Screws
  2 pcs. 1/2"-13 Channel Nuts
- Reference sizing chart on page 132
- Standard finish: ZN





REFERENCE CHART - A DIMENSION

Part No.	A		Wt./C PR Lbs.	kg
B219	7 1/4"	(184.1)	253	(114.7)
B219-1	8"	(203.2)	258	(117.0)
B219-2	9"	(228.6)	263	(119.3)
B219-3	10"	(254.0)	269	(122.0)
B219-4	10 7/8"	(276.2)	274	(124.8)
B219-5	11 5/8"	(295.3)	279	(126.5)

REFERENCE CHART - B DIMENSION

Pipe Size		Insulation Thickness													
		0" (0.0)		1" (25.4)		1 1/2" (38.1)		2" (50.8)		2 1/2" (63.5)		3" (76.2)		4" (101.6)	
1/2"	(15)	2 11/16"	(68.3)	–	–	–	–	–	–	–	–	–	–	–	–
3/4"	(20)	2 13/16"	(71.4)	3 7/8"	(98.4)	4 1/2"	(114.3)	4 7/8"	(123.8)	–	–	–	–	–	–
1"	(25)	2 15/16"	(74.6)	4 3/16"	(106.4)	4 5/8"	(117.5)	5 1/16"	(128.6)	–	–	–	–	–	–
1 1/4"	(32)	3 1/8"	(79.4)	4 3/16"	(106.4)	4 5/8"	(117.5)	5 1/8"	(130.2)	–	–	–	–	–	–
1 1/2"	(40)	3 1/4"	(82.5)	4 7/16"	(112.7)	4 7/8"	(123.8)	5 1/4"	(133.3)	5 3/4"	(146.0)	–	–	–	–
2"	(50)	3 9/16"	(90.5)	4 5/8"	(117.5)	5 3/16"	(131.8)	5 1/2"	(139.7)	6 1/16"	(154.0)	–	–	–	–
2 1/2"	(65)	3 3/4"	(95.2)	4 7/8"	(123.8)	5 1/4"	(133.3)	6"	(152.4)	6 3/8"	(161.9)	–	–	–	–
3"	(80)	4 1/8"	(104.8)	5 1/8"	(130.2)	5 9/16"	(141.3)	6 1/16"	(154.0)	6 7/16"	(163.5)	6 15/16"	(176.2)	–	–
3 1/2"	(90)	4 1/4"	(107.9)	5 1/4"	(133.3)	5 13/16"	(147.6)	6 1/4"	(158.7)	6 11/16"	(169.9)	7 1/16"	(179.4)	–	–
4"	(100)	4 9/16"	(115.9)	5 1/2"	(139.7)	6 1/16"	(154.0)	6 7/16"	(163.5)	6 15/16"	(176.2)	7 3/8"	(187.3)	–	–
5"	(125)	5 1/16"	(128.6)	6 1/16"	(154.0)	6 7/16"	(163.5)	7"	(177.8)	7 3/8"	(187.3)	7 7/8"	(200.0)	8 15/16"	(227.0)
6"	(150)	5 7/16"	(138.1)	6 7/16"	(163.5)	6 15/16"	(176.2)	7 3/8"	(187.3)	7 7/8"	(200.0)	8 15/16"	(211.1)	9 9/16"	(242.9)
8"	(200)	6 3/8"	(161.9)	7 7/16"	(188.9)	7 15/16"	(201.6)	8 3/8"	(212.7)	9"	(228.6)	–	–	–	–
10"	(250)	7 5/16"	(185.7)	8 3/16"	(208.0)	–	–	–	–	–	–	–	–	–	–
12"	(300)	8 1/4"	(209.5)	–	–	–	–	–	–	–	–	–	–	–	–

Reference B219 sizing chart on page 132

PIPE ROLLERS

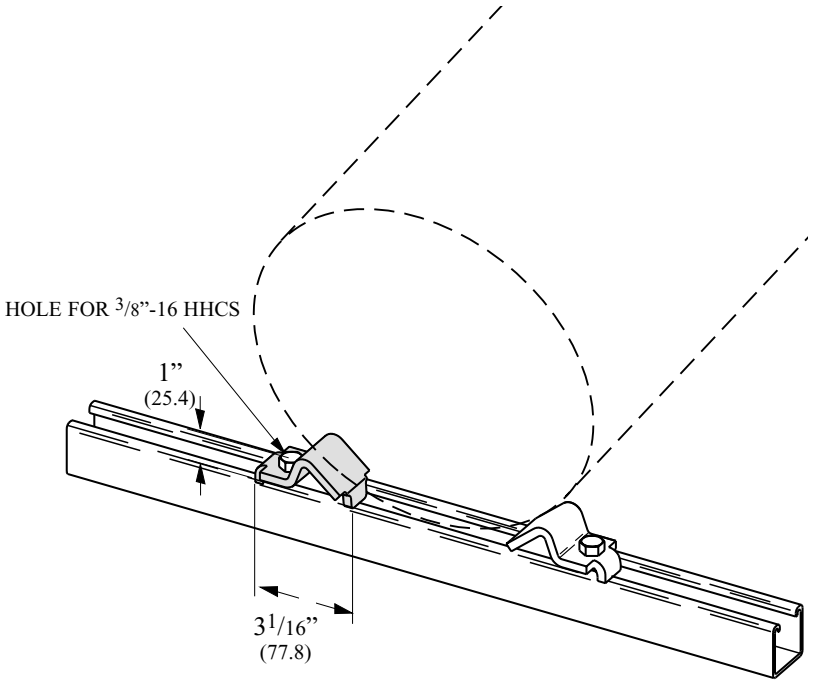
B-Line

B219 SIZING CHART

Pipe Size		Insulation Thickness						
		0" (0.0)	1" (25.4)	1 1/2" (38.1)	2" (50.8)	2 1/2" (63.5)	3" (76.2)	4" (101.6)
1/2"	(15)	B219	–	–	–	–	–	–
3/4"	(20)	B219	B219	B219	B219-1	–	–	–
1"	(25)	B219	B219	B219-1	B219-1	–	–	–
1 1/4"	(32)	B219	B219	B219-1	B219-1	–	–	–
1 1/2"	(40)	B219	B219	B219-1	B219-2	B219-2	–	–
2"	(50)	B219	B219-1	B219-1	B219-2	B219-2	–	–
2 1/2"	(65)	B219	B219-1	B219-2	B219-2	B219-3	–	–
3"	(80)	B219	B219-1	B219-2	B219-2	B219-3	B219-3	–
3 1/2"	(90)	B219-1	B219-2	B219-2	B219-3	B219-3	B219-4	–
4"	(100)	B219-1	B219-2	B219-2	B219-3	B219-3	B219-4	–
5"	(125)	B219-1	B219-2	B219-3	B219-3	B219-4	B219-4	B219-5
6"	(150)	B219-2	B219-3	B219-3	B219-4	B219-4	B219-5	B219-5
8"	(200)	B219-3	B219-4	B219-4	B219-5	B219-5	–	–
10"	(250)	B219-4	B219-5	–	–	–	–	–
12"	(300)	B219-5	–	–	–	–	–	–

B356
PIPE BLOCK-2" (50) TO 8" (200) PIPE

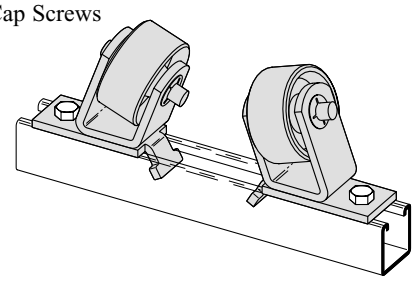
- Required hardware not included:
  1 pc. 3/8"-16 x 1" Hex Head Cap Screw
  1 pc. 3/8"-16 Channel Nut
- Material: 1/4" (6.3) thick 1 5/8" (41.3) wide ASTM A907
- Standard finish: ZN
- Wt./C 42 Lbs. (19.0 kg) Per Pair

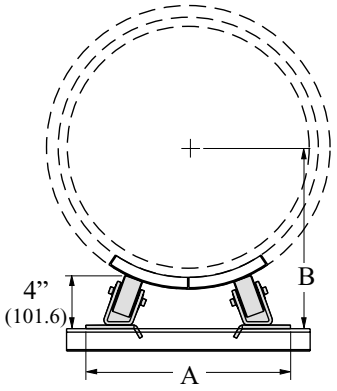


Reference page 110 for general fitting and standard finish specifications.

B379
PIPE ROLLERS-6” (150) TO 18” (450) PIPE

- Design Load 1500 Lbs. (6.67 kN)
- Safety Factor of 5
- Requires field assembly
- When used with B3160 thru B3165 Saddles (See Pipe Hanger Catalog)
- Malleable Iron Rollers
- Sold in pairs
- Required hardware not included:
  2 pcs. 1/2”-13 x 1 1/4” Hex Head Cap Screws
  2 pcs. 1/2”-13 Channel Nuts
- Standard finish: ZN
- Wt./C 889 Lbs. (403.2 kg)





REFERENCE CHART - A DIMENSION

Pipe Size		Insulation Thickness													
		0” (0.0)		1” (25.4)		1 1/2” (38.1)		2” (50.8)		2 1/2” (63.5)		3” (76.2)		4” (101.6)	
6”	(150)	9 9/16”	(242.9)	10 3/16”	(258.8)	10 5/8”	(269.9)	11”	(279.4)	11 3/8”	(288.9)	11 3/4”	(298.4)	12 1/2”	(317.5)
8”	(200)	10 1/4”	(260.3)	11 1/16”	(281.0)	11 3/8”	(288.9)	11 3/4”	(298.4)	12 3/16”	(309.6)	12 1/2”	(317.5)	13 1/4”	(336.5)
10”	(250)	11”	(279.4)	11 3/4”	(298.4)	12 1/8”	(308.0)	12 1/2”	(317.5)	12 13/16”	(325.4)	13 1/8”	(333.4)	13 7/8”	(352.4)
12”	(300)	11 11/16”	(296.9)	12 9/16”	(319.1)	12 7/8”	(327.0)	13 1/4”	(336.5)	13 9/16”	(344.5)	13 7/8”	(352.4)	14 5/8”	(371.5)
14”	(350)	12 1/16”	(306.4)	12 7/8”	(327.0)	13 3/16”	(335.0)	13 9/16”	(344.5)	13 7/8”	(352.4)	14 1/4”	(361.9)	14 7/8”	(377.8)
16”	(400)	12 3/4”	(323.8)	13 1/2”	(342.9)	13 7/8”	(352.4)	14 13/16”	(360.4)	14 1/2”	(368.3)	14 7/8”	(377.8)	15 1/2”	(393.7)
18”	(450)	13 1/2”	(342.9)	14 1/4”	(361.9)	14 5/8”	(371.5)	15”	(381.0)	15 5/16”	(388.9)	15 5/8”	(396.9)	16 5/16”	(414.3)

REFERENCE CHART - B DIMENSION

Pipe Size		Insulation Thickness													
		0” (0.0)		1” (25.4)		1 1/2” (38.1)		2” (50.8)		2 1/2” (63.5)		3” (76.2)		4” (101.6)	
6”	(150)	6 7/8”	(174.6)	7 7/8”	(200.0)	8 3/8”	(212.7)	8 7/8”	(225.4)	9 3/8”	(238.1)	9 7/8”	(250.8)	10 15/16”	(277.8)
8”	(200)	7 13/16”	(198.4)	8 7/8”	(225.4)	9 3/8”	(238.1)	9 7/8”	(250.8)	10 7/16”	(265.1)	10 15/16”	(277.8)	11 7/8”	(301.6)
10”	(250)	8 13/16”	(223.8)	9 7/8”	(250.8)	10 7/16”	(265.1)	10 15/16”	(277.8)	11 3/8”	(228.9)	11 7/8”	(301.6)	12 13/16”	(325.4)
12”	(300)	9 3/4”	(247.6)	10 15/16”	(277.8)	11 3/8”	(288.9)	11 7/8”	(301.6)	12 5/16”	(312.7)	12 13/16”	(325.4)	13 3/4”	(349.2)
14”	(350)	10 5/16”	(261.9)	11 3/8”	(288.9)	11 7/8”	(301.6)	12 5/16”	(312.7)	12 13/16”	(325.4)	13 1/4”	(336.5)	14 1/4”	(361.9)
16”	(400)	11 5/16”	(287.3)	12 5/16”	(312.7)	12 13/16”	(325.4)	13 1/4”	(336.5)	13 3/4”	(349.2)	14 1/4”	(361.9)	15 1/8”	(384.2)
18”	(450)	12 1/4”	(311.1)	13 1/4”	(336.5)	13 3/4”	(349.2)	14 3/16”	(360.4)	14 11/16”	(373.1)	15 1/8”	(384.2)	16 1/16”	(408.0)

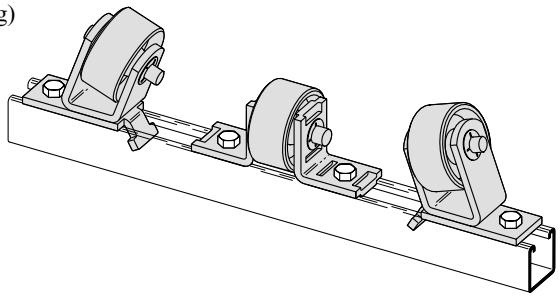
Reference page 110 for general fitting and standard finish specifications.

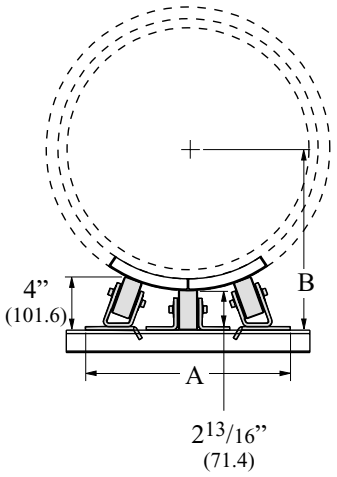
PIPE ROLLERS

B-Line

B479
PIPE ROLLERS-16” (400) TO 30” (750) PIPE

- Design Load 2000 Lbs. (8.89 kN)
- Safety Factor of 5
- Requires field assembly
- When used with B3160 thru B3165 Saddles (See Pipe Hanger Catalog)
- Malleable Iron Rollers
- Sold in pieces
- Required hardware not included:
  4 pcs. 1/2”-13 x 1 1/4” Hex Head Cap Screws
  4 pcs. 1/2”-13 Channel Nuts
- Standard finish: ZN
- Wt./C 889 Lbs. (403.2 kg)





REFERENCE CHART - A DIMENSION

Pipe Size		Insulation Thickness													
		0” (0.0)		1” (25.4)		1 1/2” (38.1)		2” (50.8)		2 1/2” (63.5)		3” (76.2)		4” (101.6)	
16”	(400)	15 3/16”	(385.8)	15 5/8”	(396.9)	15 7/8”	(403.2)	16”	(406.4)	16 1/4”	(412.7)	16 1/2”	(419.1)	17”	(431.8)
18”	(450)	15 1/2”	(393.7)	16”	(406.4)	16 3/16”	(411.2)	16 3/8”	(415.9)	16 9/16”	(420.7)	16 3/4”	(425.4)	17 3/16”	(436.6)
20”	(500)	16”	(406.4)	16 3/8”	(415.9)	16 9/16”	(420.7)	16 7/8”	(428.6)	16 15/16”	(430.2)	17 3/16”	(436.6)	17 1/2”	(444.5)
24”	(600)	16 13/16”	(427.0)	17 5/16”	(439.7)	17 1/2”	(444.5)	17 1/2”	(444.5)	17 11/16”	(449.3)	17 7/8”	(454.0)	18 1/8”	(460.4)
30”	(750)	17 13/16”	(452.4)	18 1/4”	(463.5)	18 3/8”	(466.7)	18 9/16”	(471.5)	18 7/8”	(476.2)	18 7/8”	(479.4)	19 1/4”	(488.9)

REFERENCE CHART - B DIMENSION

Pipe Size		Insulation Thickness													
		0” (0.0)		1” (25.4)		1 1/2” (38.1)		2” (50.8)		2 1/2” (63.5)		3” (76.2)		4” (101.6)	
16”	(400)	10 13/16”	(274.6)	11 15/16”	(303.2)	12 3/8”	(314.3)	12 15/16”	(328.6)	13 3/8”	(339.7)	13 15/16”	(354.0)	14 15/16”	(379.4)
18”	(450)	11 7/8”	(301.6)	12 15/16”	(328.6)	13 7/16”	(341.3)	13 15/16”	(354.0)	14 7/16”	(366.7)	14 15/16”	(379.4)	15 15/16”	(404.8)
20”	(500)	12 3/16”	(325.4)	13 15/16”	(354.0)	14 7/16”	(366.7)	14 7/8”	(377.8)	15 7/16”	(392.1)	15 7/8”	(403.2)	16 15/16”	(430.2)
24”	(600)	14 13/16”	(376.2)	15 7/8”	(403.2)	16 3/8”	(415.9)	16 7/8”	(428.6)	17 3/8”	(441.3)	17 7/8”	(454.0)	18 7/8”	(479.4)
30”	(750)	17 13/16”	(452.4)	18 7/8”	(479.4)	19 3/8”	(492.1)	19 7/8”	(504.8)	20 3/8”	(517.5)	20 5/16”	(531.8)	21 15/16”	(557.2)

Reference page 110 for general fitting and standard finish specifications.

NOTES

ELECTRICAL ACCESSORIES

A complete system of top quality, time saving products, designed for surface metal raceways, lighting and cable supports. Innovative designs offer many installation advantages. B-Line's surface raceways are U.L. listed and meet the requirements of the National Electrical Code, Article 352.

Surface Raceways

B-Line's channel provides structural support in addition to a raceway system.

For U.L. wire fill see chart on page 204-205.

Cable Supports

A full range of clamps and saddles are offered in both porcelain and maple. B-Line's maple and porcelain clamps are furnished complete with steel clamps (electro-plated) and Everdur hardware.

Materials & Finishes*

Steel products are made from low carbon steel strips or plates. Porcelain saddles and clamps are made by dry process and white glazed (porcelain dielectric strength is 50 volts per mil). Maple clamps are made from kiln-dried maple wood, paraffin impregnated.

Finish Code	Finish	Specification
PLN	Plain	ASTM A570
ZN	Electro-Plated Zinc	ASTM B633 SC3 Type III
GRN	Dura-Green	TT-C-490B
GALV	Pre-Galvanized	ASTM B653

*Unless otherwise noted.

Design Load

Design load data published includes a Safety Factor of 3.0 (Safety Factor = Ratio of ultimate load to the design load).

U.L. listed raceway channels:

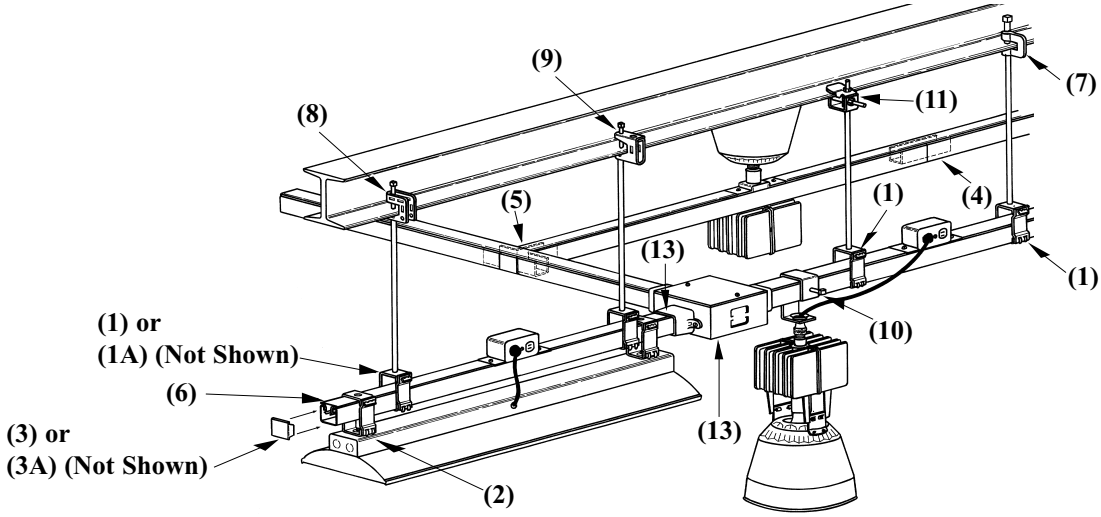
B11, B11KO6	B32, B32KO6
B12, B12KO6	B42, B42KO6
B22, B22KO6	B52, B52KO6
B24, B24KO6	B54, B54KO6
B26, B26KO6	B56, B56KO6

U.L. File No. E29637

In all cases, the snap-in closure strip is required to complete raceway enclosure.

Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

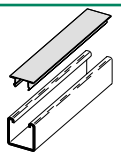


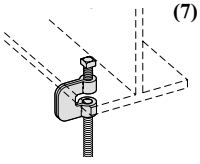
SELECTION CHART

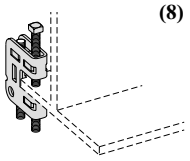
Channel Number	Depth		1 Channel Hanger	1A Channel Hanger	2 Fixture Hanger	3 End Cap	3A Connection End Cap	4 Internal Straight Splice	5 Internal Tee Splice
B22A	3 1/4"	(82.5)	B616-22A*	B241S*	B616S-22A*	B205 or B285	B392-22** B285	B766-22 (2)	B768-22 (2)
B11	3 1/4"	(82.5)	B616-22A*	B241S*	B616S-22A*	B222	B392-11**	B766-11	B768-11
B12	2 7/16"	(61.9)	B616-22A*	B241S*	B616S-22A*	B221	B392-12**	B766-12	B768-12
B22 B24	1 5/8"	(41.3)	B616*	B216S*	B616S* B616TG*	B205 or B285 B223 or B286	B392-22**	B766-22	B768-22
B26	1 5/8"	(41.3)	B616*	–	–	–	B392-22**	–	–
B32	1 3/8"	(34.9)	B616*	B216S*	B616S* B616TG*	B206	B392-32**	B766-32	B768-32
B42	1"	(25.4)	B616*	B215S*	B616S* B616TG*	B203	–	B766-42	B768-42
B52 B54	13/16"	(20.6)	B616*	B215S*	B616S* B616TG*	B220 or B283 B204 or B284	–	B766-52	B768-52
B56	13/16"	(20.6)	B616*	B215S*	B616S* B616TG*	–	–	B766-56	–

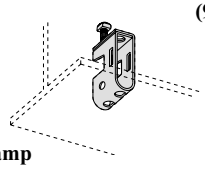
***Specify Hanger Rod or Conduit Size.**
****Specify Conduit Size**

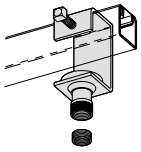
OTHER ITEMS SHOWN ON ILLUSTRATION

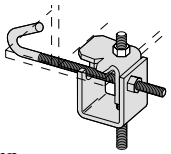
B217-20 (6)

Snap-in Closure Strip

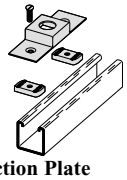
B351 (7)

Beam Clamp

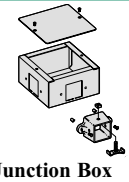
B755 (8)

Beam Clamp

B751 (9)

Beam Clamp

B465 (10)

H.I.D. Fixture Hanger

B750 (11)

Beam Clamp

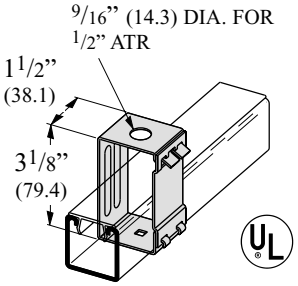
B447 B447A (12)

Conduit Connection Plate

B719 (13)

B718 Series Junction Box

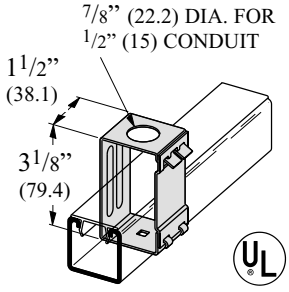
FLUORESCENT FIXTURE HANGERS

B-Line

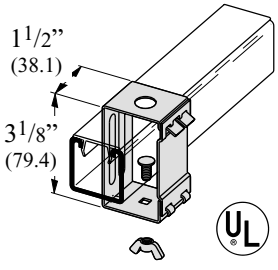
B616-9/16
CHANNEL HANGER
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Includes: 2 pcs. 3/8" Flat Washers for use with 3/8" ATR
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 25 Lbs. (11.3 kg)



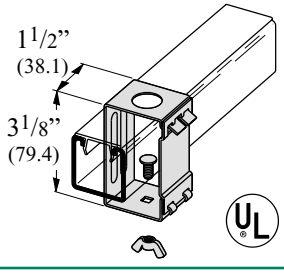
B616-7/8
CHANNEL HANGER
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 25 Lbs. (11.3 kg)



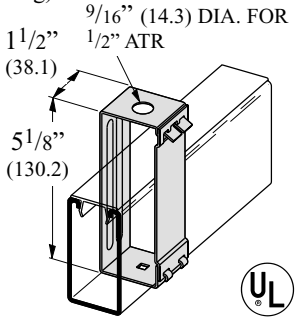
B616S-9/16
FLUORESCENT FIXTURE HANGER WITH STUD
- Design Load 150 Lbs. (.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Allows more than 1/2" (12.7) space between channel and fixture
- Includes: 2 pcs. 3/8" Flat Washers for use with 3/8" ATR
- Material:16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 30 Lbs. (13.6 kg)



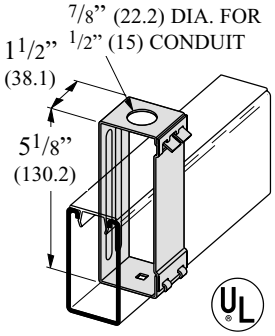
B616S-7/8
FLUORESCENT FIXTURE HANGER WITH STUD
- Design Load 150 Lbs. (.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Allows more than 1/2" (12.7) space between channel and fixture
- Standard finish: ZN
- Wt./C 30 Lbs. (13.6 kg)



B616-22A-9/16
CHANNEL HANGER
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Includes: 2 pcs. 3/8" Flat Washers for use with 3/8" ATR
- Material: 14 Gauge (1.9)
- Standard finish: ZN
- Wt./C 44 Lbs. (19.9 kg)



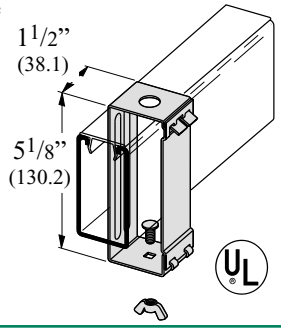
B616-22A-7/8
CHANNEL HANGER
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Material: 14 Gauge (1.9)
- Standard finish: ZN
- Wt./C 44 Lbs. (19.9 kg)



Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

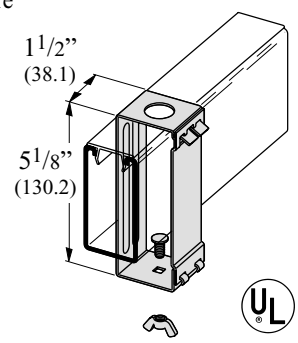
B616S-22A-9/16
FLUORESCENT FIXTURE HANGER WITH STUD

- Design Load 150 Lbs. (.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Includes: 2 pcs. 3/8" Flat Washers for use with 3/8" ATR
- Allows more than 1/2" (12.7) space between channel and fixture
- Material: 14 Gauge (1.9)
- Standard finish: ZN
- Wt./C 49 Lbs. (22.2 kg)



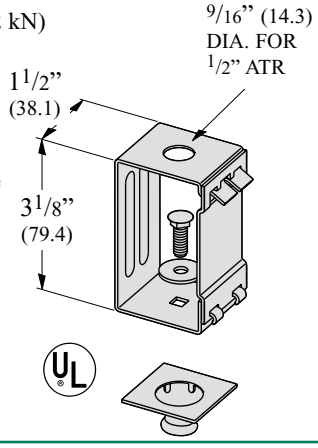
B616S-22A-7/8
FLUORESCENT FIXTURE HANGER WITH STUD

- Design Load 150 Lbs. (.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Allows more than 1/2" (12.7) space between channel and fixture
- Material: 14 Gauge (1.9)
- Standard finish: ZN
- Wt./C 49 Lbs. (22.2 kg)



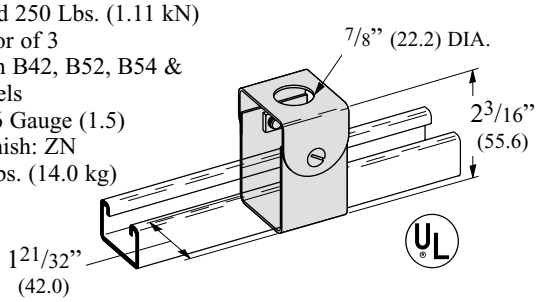
B616TG-9/16
FLUORESCENT FIXTURE HANGER FOR 1/2" (15) KNOCKOUT

- Design Load 150 Lbs. (.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Includes: 2 pcs. 3/8" Flat Washers for use with 3/8" ATR
- Design Load 150 Lbs. (.67 kN)
- Allows more than 1/2" (12.7) space between channel and fixture
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 32 Lbs. (14.5 kg)



B215S SERIES
CHANNEL HANGER

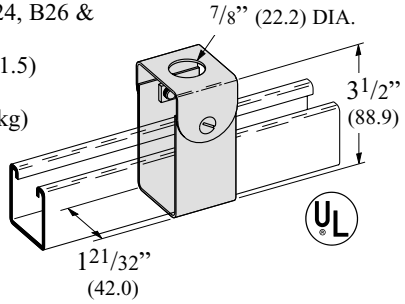
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- For use with B42, B52, B54 & B56 Channels
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 31 Lbs. (14.0 kg)



Part No.	Extra Washer Included
B215SR-3/8	FFW 3/8 x 1 1/2
B215SR-1/2	FW 1/2
B215SC-3/8	FW 5/8
B215SC-1/2	–

B216S SERIES
CHANNEL HANGER

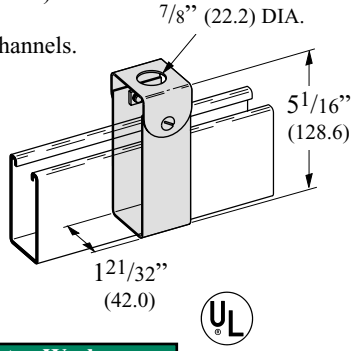
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- For use with B22, B24, B26 & B32 Channels
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 38 Lbs. (17.2 kg)



Part No.	Extra Washer Included
B216SR-3/8	FFW 3/8 x 1 1/2
B216SR-1/2	FW 1/2
B216SC-3/8	FW 5/8
B216SC-1/2	–

B241S SERIES
CHANNEL HANGER

- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- For use with B11 & B12 Channels.
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 47 Lbs. (21.3 kg)



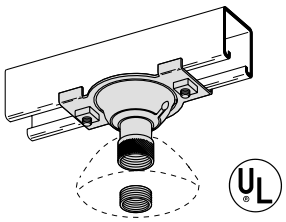
Part No.	Extra Washer Included
B241SR-3/8	FFW 3/8 x 1 1/2
B241SR-1/2	FW 1/2
B241SC-3/8	FW 5/8
B241SC-1/2	–

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

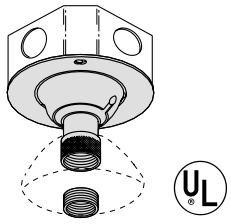
FLUORESCENT FIXTURE HANGERS

B-Line

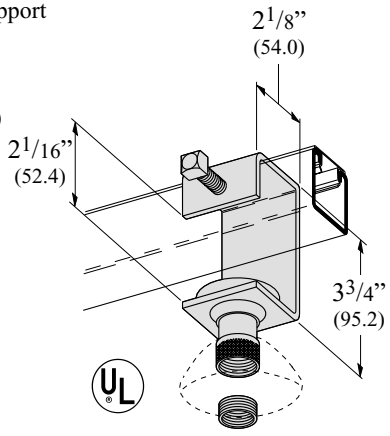
B390S
360° SWIVEL CHANNEL CONNECTOR
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Patented
- Swings 15° in 360° plane
- Includes:
  2 pcs. SN224-3/4"WO Stud Nut
  2 pcs. 1/4"-20 Square Nut
  1 pc. 3/4" (20) to 1/2" (15) Conduit Reducer
- Standard finish: ZN
- Wt./C 71 Lbs. (32.2 kg)



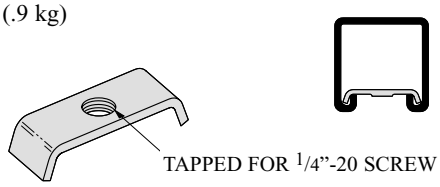
B390BX
360° SWIVEL BOX CONNECTOR
- Design Load 250 Lbs. (1.11 kN) for Connector Fitting only
- Safety Factor of 3
- Design Load 50 Lbs. (.22 kN) when used as illustrated or for use as a fixture support
- Patented
- Swings 15° in 360° plane
- Includes:
  1 pc. 3/4" (20) to 1/2" (15) Conduit Reducer
- Fits on 4" box
- Standard finish: ZN
- Wt./C 55 Lbs. (24.9 kg)



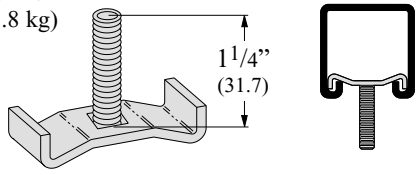
B465
H.I.D. FIXTURE HANGER
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN) when used as a fixture support
- Patented
- Swings 15° in 360° plane
- Includes:
  1 pc. 3/4" (20) to 1/2" (15) Conduit Reducer
- Standard finish: ZN
- Wt./C 95 Lbs. (43.1 kg)



B436
FLUORESCENT FIXTURE NUT
- Standard finish: ZN
- Wt./C 2 Lbs. (.9 kg)

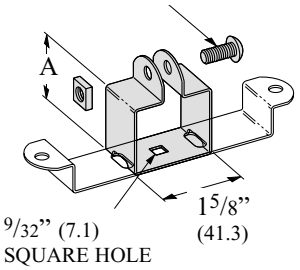


B436S
FLUORESCENT FIXTURE STUD NUT
- Bolt size: 1/4" x 1 1/4"
- Standard finish: ZN
- Wt./C 4 Lbs. (1.8 kg)



B460
FLUORESCENT FIXTURE HANGER
- Hanger is shipped flat and requires field bending as shown
- Allows more than 1/2" (12.7) space between channel and fixture
- Material: 18 Gauge (1.2)
- Standard finish: ZN

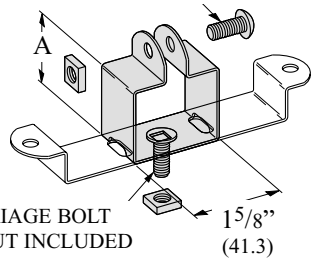
1/4" x 1" ROUND HEAD MACHINE SCREW AND SQUARE NUT INCLUDED



Part No.	For Channel Size	A		Wt./C Lbs.	Wt./C kg
B460-22	B22, B24, B26, B32	2 1/8"	(57.5)	17	(7.7)
B460-12	B12	2 15/16"	(79.5)	20	(9.1)
B460-11	B11	3 3/4"	(101.6)	23	(10.4)

B464
FLUORESCENT FIXTURE HANGER
- Hanger is shipped flat and requires field bending as shown
- Allows more than 1/8" (3.2) space between channel and fixture
- Material: 18 Gauge (1.2)
- Standard finish: ZN

1/4" x 1" ROUND HEAD MACHINE SCREW AND SQUARE NUT INCLUDED

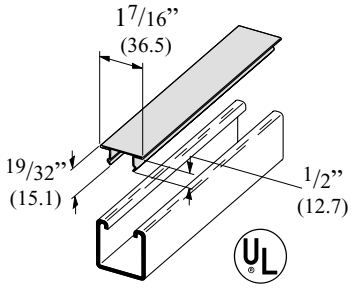


Part No.	For Channel Size	A		Wt./C Lbs.	Wt./C kg
B464-32	B32	1 1/2"	(40.6)	17	(7.7)
B464-22	B22, B24, B26	1 3/4"	(47.4)	18	(8.1)
B464-12	B12	2 9/16"	(66.0)	21	(9.5)
B464-11	B11	3 3/8"	(91.4)	24	(10.9)

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

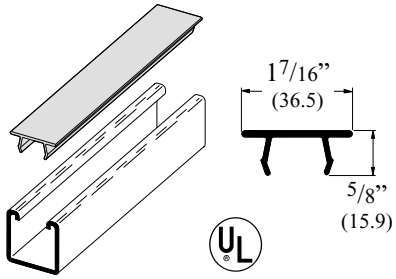
B217-20
SNAP CLOSURE STRIP FOR ALL 1 5/8" (41.3) WIDE CHANNELS

- Refer to Raceway Fill Chart Pg. 204-205
- Material: 20 Gauge (.9)
- Standard finishes: GRN, ALV
- Standard length: 120"
- Wt./CFT 36 Lbs. (16.3 kg)



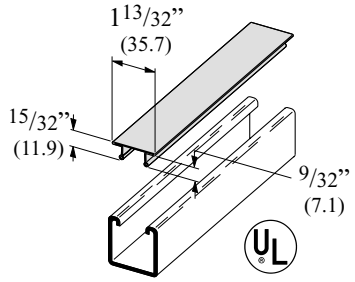
B217P
PLASTIC SNAP CLOSURE STRIP FOR ALL 1 5/8" (41.3) WIDE CHANNELS

- Refer to Raceway Fill Chart Pg. 204-205
- Standard finishes: GRN or Gray Plastic
- Standard length: 120"
- Wt./CFT 9.2 Lbs. (4.2 kg)



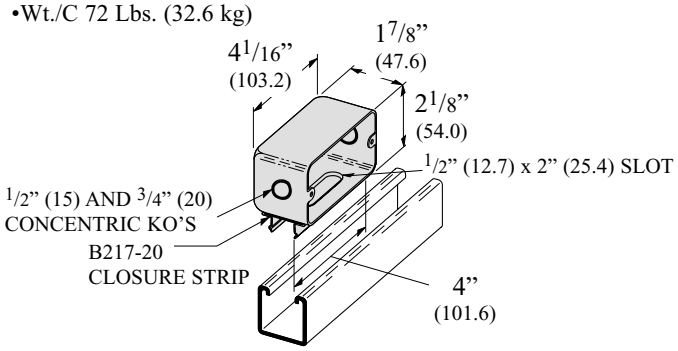
B217-24
SNAP CLOSURE STRIP FOR ALL 1 5/8" (41.3) WIDE CHANNELS

- Refer to Raceway Fill Chart Pg. 204-205
- For use with 7 or fewer conductors no larger than #12 AWG
- Material: 24 Gauge (.6)
- Standard finishes: GRN, GALV
- Standard length: 120"
- Wt./CFT 28 Lbs. (12.7 kg)



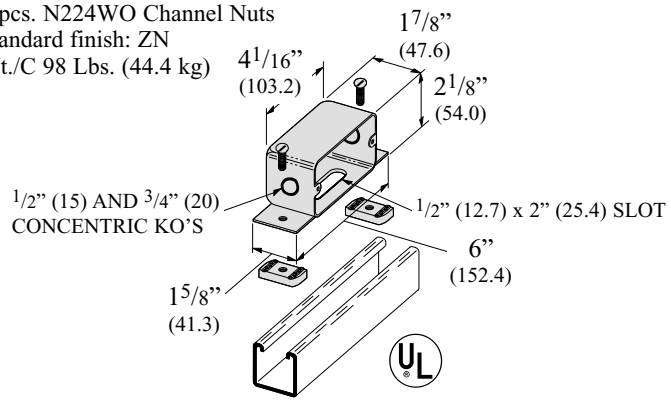
B516
SNAP-IN OUTLET BOX

- Provided with #10-32 tapped hole for grounding strap
- Available without knockouts
- Duplex cover plate included
- Receptacle not furnished
- Requires ground wire installation for use with UL listed channel raceway system
- Standard finish: ZN
- Wt./C 72 Lbs. (32.6 kg)



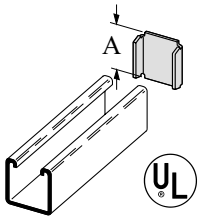
B516S
OUTLET BOX

- Available without knockouts
- Duplex cover plate included
- Receptacle not furnished
- Includes:
  2 pcs. 1/4"-20 Flat Head Machine Screws
  2 pcs. N224WO Channel Nuts
- Standard finish: ZN
- Wt./C 98 Lbs. (44.4 kg)



B203 THRU B206
B220 THRU B223
X TYPE END CAPS

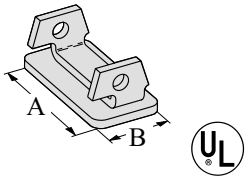
- Material: 12 Gauge (2.6)
- Standard finishes: ZN, GRN, HDG, SS4



Part No.	Use With	A	(A)	Wt./C Lbs.	kg
B203	B42	1.015	(25.8)	6	(2.7)
B204	B54	.827	(21.0)	5	(2.2)
B205	B22	1.640	(41.6)	10	(4.5)
B206	B32	1.390	(35.3)	8	(3.6)
B220	B52	.827	(21.0)	4	(1.8)
B221	B12	2.452	(62.3)	15	(6.8)
B222	B11	3.265	(82.9)	20	(9.1)
B223	B24	1.640	(41.6)	10	(4.5)

B283 THRU B286
END CAPS

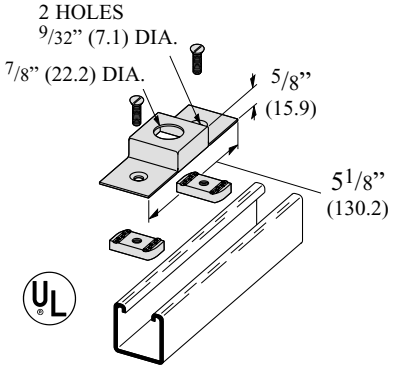
- Material: 12 Gauge (2.6)
- Standard finishes: ZN, GRN



Part No.	Use With	A	(A)	B	(B)	Wt./C Lbs.	kg
B283	B52	1 19/32"	(40.5)	25/32"	(19.8)	6	(2.7)
B284	B54 & B56	1 19/32"	(40.5)	25/32"	(19.8)	6	(2.7)
B285	B22	1 19/32"	(40.5)	1 19/32"	(40.5)	13	(5.9)
B286	B24 & B26	1 19/32"	(40.5)	1 19/32"	(40.5)	14	(6.3)

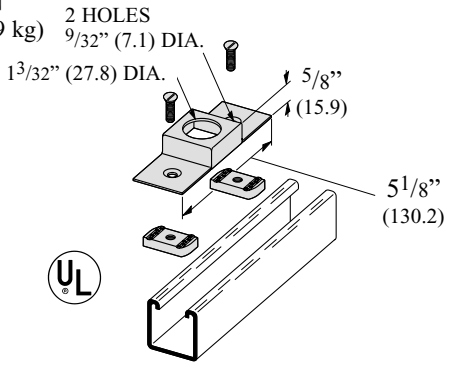
B447
CONDUIT CONNECTION PLATE FOR 1/2" (15) CONDUIT

- Includes:
  2 pcs. 1/4"-20 Flat Head Machine Screws
  2 pcs. N224WO Channel Nuts
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 35 Lbs. (15.9 kg)



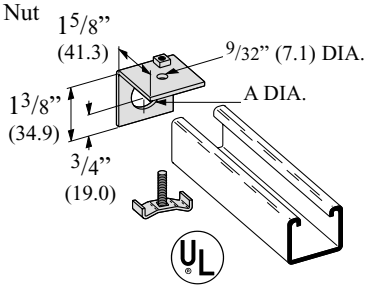
B447A
CONDUIT CONNECTION PLATE FOR 3/4" (20) CONDUIT

- Includes:
  2 pcs. 1/4"-20 Flat Head Machine Screws
  2 pcs. N224WO Channel Nuts
- Material: 16 Gauge (1.5)
- Standard finish: ZN
- Wt./C 35 Lbs. (15.9 kg)



B392-32 SERIES
CONNECTION END CAP

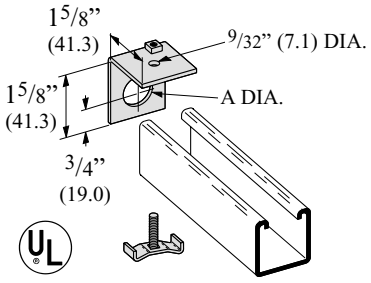
- Includes:
  1 pc. 1/4"-20 Square Nut
  1 pc. B436S Fixture Stud Nut
- Material: 11 Gauge (3.0)
- Standard finish: ZN



Part No.	A		Conduit Size		Wt./C Lbs.	Wt./C kg
B392-32-1/2	7/8"	(22.2)	1/2"	(15)	20	(9.1)
B392-32-3/4	1 1/16"	(27.0)	3/4"	(20)	19	(8.6)

B392-22 SERIES
CONNECTION END CAP

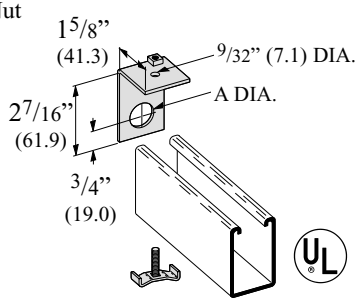
- Includes:
  1 pc. 1/4"-20 Square Nut
  1 pc. B436S Fixture Stud Nut
- Material: 11 Gauge (3.0)
- Standard finish: ZN



Part No.	A		Conduit Size		Wt./C Lbs.	Wt./C kg
B392-22-1/2	7/8"	(22.2)	1/2"	(15)	21	(9.5)
B392-22-3/4	1 1/16"	(27.0)	3/4"	(20)	20	(9.1)
B392-22-1	1" PIPE THREAD		1"	(25)	17	(7.7)

B392-12 SERIES
CONNECTION END CAP

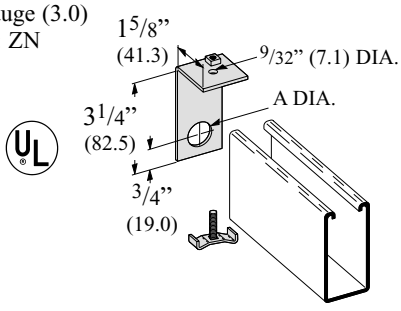
- Includes:
  1 pc. 1/4"-20 Square Nut
  1 pc. B436S Fixture Stud Nut
- Material: 11 Gauge (3.0)
- Standard finish: ZN



Part No.	A		Conduit Size		Wt./C Lbs.	Wt./C kg
B392-12-1/2	7/8"	(22.2)	1/2"	(15)	27	(12.2)
B392-12-3/4	1 1/16"	(22.7)	3/4"	(20)	26	(11.8)
B392-12-1	1" PIPE THREAD		1"	(25)	23	(10.4)

B392-11 SERIES
CONNECTION END CAP

- Includes:
  1 pc. 1/4"-20 Square Nut
  1 pc. B436S Fixture Stud Nut
- Material: 11 Gauge (3.0)
- Standard finish: ZN



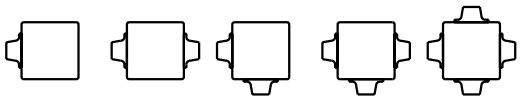
Part No.	A		Conduit Size		Wt./C Lbs.	Wt./C kg
B392-11-1/2	7/8"	(22.2)	1/2"	(15)	36	(16.3)
B392-11-3/4	1 1/16"	(27.0)	3/4"	(20)	33	(14.9)
B392-11-1	1" PIPE THREAD		1"	(25)	32	(14.5)

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

B718
UNIVERSAL JUNCTION BOX

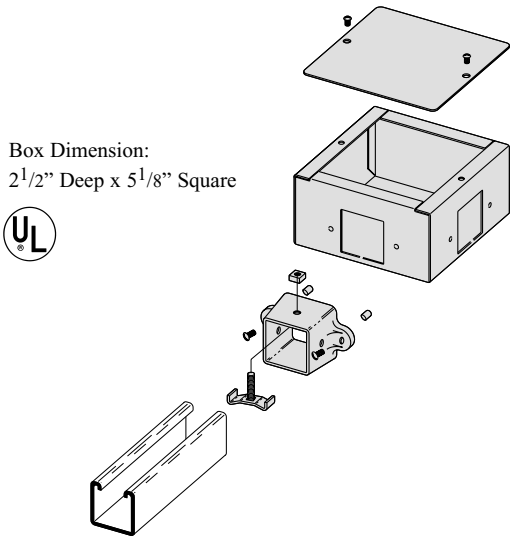
•Assemble B719 Hubs into B718 square knockouts
•Designed for use with B22, B24 & B26 Channel
•B718 Includes:
1 pc. Junction Box only
1 pc. Cover only
2 pcs. #10-20 Round Head Machine Screws
•Standard finish: ZN
•Wt./C 180 Lbs. (81.6 kg)

Part No.	Includes	Wt./C Lbs.	kg
B718-1	1 B718 & 1 B719	205	(93.0)
B718-2	1 B718 & 2 B719	230	(104.3)
B718-3	1 B718 & 3 B719	255	(115.6)
B718-4	1 B718 & 4 B719	280	(127.0)



B718-1 END | B718-2 THRU BOX | B718-2 90° | B718-3 TEE | B718-4 CROSS

SELECTION GUIDE



Box Dimension:
$2^{1}/2$" Deep x $5^{1}/8$" Square

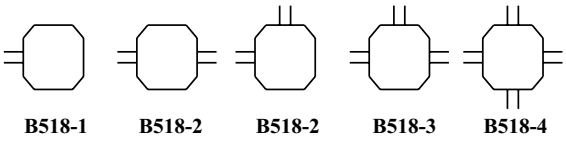
B719AL
UNIVERSAL JUNCTION BOX HUB

•B719AL Includes:
1 pc. B719AL Hub only
1 pc. B436S Fixture Stud Nut
1 pc. $^{1}/4$"-20 Square Nut
2 pcs. #10-24 Self Tapping Screws
2 pcs. Rubber Caps
•Material: Aluminum
•Wt./C 25 Lbs. (11.3 kg)

B518-1 THRU B518-4
UNIVERSAL JUNCTION BOX AND HUBS

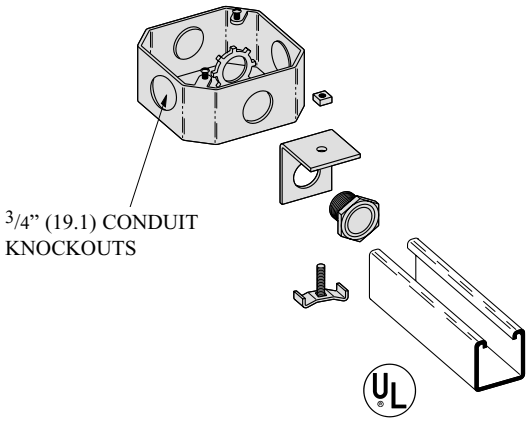
•Channel Connection Kits as shown in the chart above
•Includes:
1 pc. Junction Box with Screws
1 pc. Box Cover
•Standard finish: ZN

Part No.	Channel Connection Kits Included	Wt./C Lbs.	kg
B518-1	1	106	(48.1)
B518-2	2	137	(62.1)
B518-3	3	162	(78.5)
B518-4	4	192	(87.1)



B518-1 END | B518-2 THRU BOX | B518-2 90° | B518-3 TEE | B518-4 CROSS

SELECTION GUIDE



$^{3}/4$" (19.1) CONDUIT KNOCKOUTS

CHANNEL CONNECTION KIT

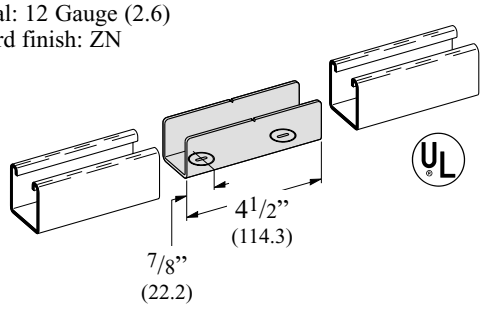
•For use with B22, B24 & B26 Channels.
•Box Dimension: Standard 4" Octagon Box
•Includes:
1 pc. B392-22-$^{3}/4$ End Connection and B436S with $^{1}/4$"-20 Square Nut
1 pc. $^{3}/4$" (20) Insulated Chase Nipple
1 pc. $^{3}/4$" (20) Lock Nut
•Standard finish: ZN

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

STRUT JOINERS

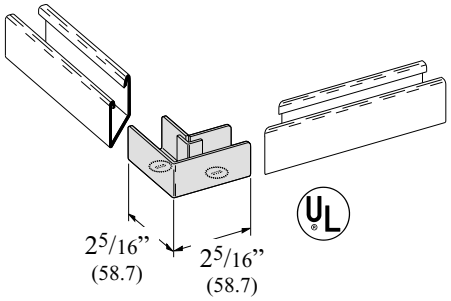
B-Line

B766 SERIES
STRAIGHT STRUT JOINER
•Includes:
2 Cam Screws
•Patented
•Material: 12 Gauge (2.6)
•Standard finish: ZN



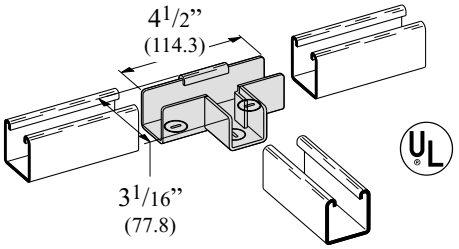
Part No.	For Channel Size	Wt./C Lbs.	kg
B766-11	B11	94	(42.6)
B766-12	B12	72	(32.6)
B766-22	B22 & B24	50	(22.7)
B766-26	B26	53	(24.0)
B766-32	B32	44	(19.9)
B766-42	B42	34	(15.4)
B766-52	B52 & B54	28	(12.7)
B766-56	B56	31	(14.0)

B767 SERIES
90° ELBOW STRUT JOINER
•Includes:
2 Cam Screws
•Patented
•Material: 12 Gauge (2.6)
•Standard finish: ZN



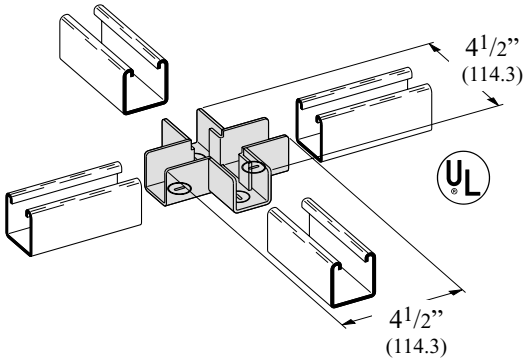
Part No.	For Channel Size	Wt./C Lbs.	kg
B767-11	B11	74	(33.5)
B767-12	B12	56	(25.4)
B767-22	B22 & B24	39	(17.7)
B767-26	B26	41	(18.6)
B767-32	B32	34	(15.4)
B767-42	B42	27	(12.2)
B767-52	B52 & B54	23	(10.4)
B767-56	B56	25	(11.3)

B768 SERIES
TEE STRUT JOINER
•Includes:
3 Cam Screws
•Patented
•Material: 12 Gauge (2.6)
•Standard finish: ZN



Part No.	For Channel Size	Wt./C Lbs.	kg
B768-11	B11	142	(64.4)
B768-12	B12	112	(50.8)
B768-22	B22 & B24	79	(35.8)
B768-26	B26	79	(35.8)
B768-32	B32	72	(32.6)
B768-42	B42	62	(28.1)
B768-52	B52 & B54	57	(25.8)
B768-56	B56	60	(27.2)

B769 SERIES
CROSS STRUT JOINER
•Includes:
4 Cam Screws
•Patented
•Material: 12 Gauge (2.6)
•Standard finish: ZN

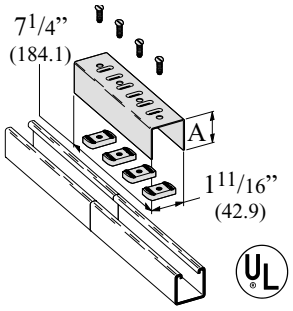


Part No.	For Channel Size	Wt./C Lbs.	kg
B769-11	B11	148	(67.1)
B769-12	B12	120	(54.4)
B769-22	B22 & B24	87	(39.4)
B769-26	B26	93	(42.2)
B769-32	B32	78	(35.4)
B769-42	B42	65	(29.5)
B769-52	B52 & B54	58	(26.3)
B769-56	B56	62	(28.1)

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

B166
FOUR HOLE SPLICE CLEVIS

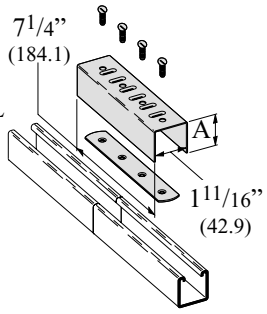
•Includes:
1 Splice Clevis
4 pcs. 1/4"-20 Flat Head Machine Screws
4 pcs. N224WO Channel Nuts
•Material: 16 Gauge (1.5)
•Standard finishes: ZN, GRN



Part No.	A		For Channel Size	Wt./C Lbs.	kg
B166-11	3 1/4"	(82.5)	B11	128	(58.0)
B166-12	2 7/16"	(61.9)	B12	108	(49.0)
B166-22	1 5/8"	(41.3)	B22, B24, B26	91	(40.3)
B166-32	1 3/8"	(34.9)	B32	83	(37.6)
B166-42	1"	(25.4)	B42	75	(34.0)
B166-52	13/16"	(20.6)	B52, B54, B56	71	(32.2)

B166-46
FOUR HOLE SPLICE CLEVIS ASSEMBLY

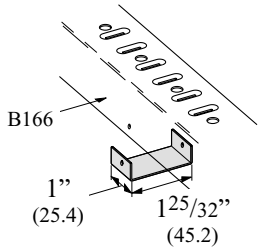
•Requires ground wire for use with UL listed channel raceway system
•Includes:
1 Splice Clevis
1 pc. B466W tapped plate
4 pcs. 1/4"-20 Flat Head Machine Screws
•Material: 16 Gauge (1.5)
•Standard finishes: ZN, GRN



Part No.	A		For Channel Size	Wt./C Lbs.	kg
B166-46-11	3 1/4"	(82.5)	B11	118	(53.5)
B166-46-12	2 7/16"	(61.9)	B12	98	(44.4)
B166-46-22	1 5/8"	(41.3)	B22, B24, B26	79	(35.8)
B166-46-32	1 3/8"	(34.9)	B32	73	(33.1)
B166-46-42	1"	(25.4)	B42	65	(29.5)
B166-46-52	13/16"	(20.6)	B52, B54, B56	61	(27.6)

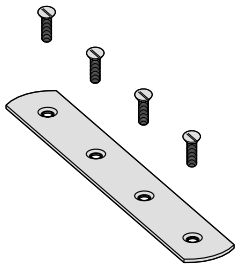
B166CL
SPLICE CLEVIS CLIP

•Use to cover gap between strut
•Material: 18 Gauge (1.2)
•Standard finish: ZN
•Wt./C 4 Lbs. (1.8 kg)



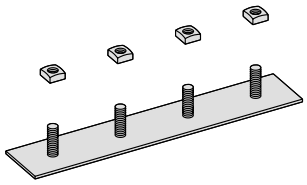
B466W
TAPPED SPLICE PLATE

•Includes:
4 pcs. 1/4"-20 Flat Head Machine Screws
•Material: 14 Gauge (1.9)
•Standard finish: ZN
•Wt./C 27 Lbs. (12.2 kg)



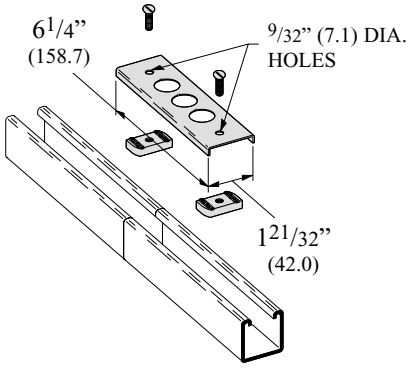
B466S
STUD SPLICE PLATE

•Includes:
4 pcs. 1/4"-20 Square Nuts
•Material: 14 Gauge (1.9)
•Standard finish: ZN
•Wt./C 34 Lbs. (15.4 kg)



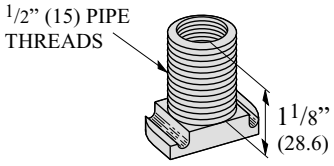
B619
KNOCK-OUT PLATE

•Requires ground wire for use with UL listed channel raceway system
•Includes:
2 pcs. 1/4"-20 Flat Head Machine Screws
2 pcs. N224WO Channel Nuts
•Material: 16 Gauge (1.5)
1/2" (15) Conduit Knockouts
•Standard finish: ZN
•Wt./C 40 Lbs. (18.1 kg)



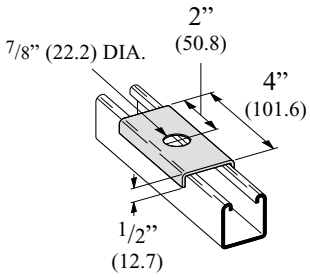
B393-1
WIRING STUD

•Requires ground wire for use with UL listed channel raceway system
•1/2" (15) pipe threads
•Material: Cast Aluminum
•Wt./C 6 Lbs. (2.7 kg)

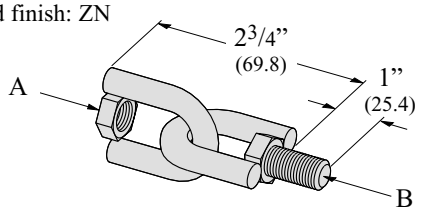


B589
SPACER CLEVIS

•Can be used with B393-1 wiring stud
•Material: 12 Gauge (2.6)
•Standard finish: ZN
•Wt./C 29 Lbs. (13.1 kg)

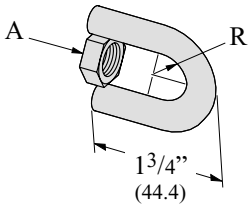


B446
SWIVEL HANGER (FEMALE-MALE)
- Design Load:
  (3/8)-610 Lbs. (2.71 kN)
  (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN



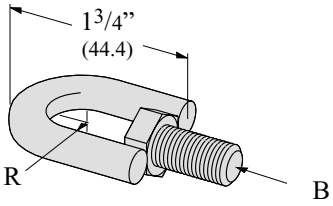
Part No.	A	B	Wt./C Lbs.	kg
B446-3/8	3/8"-16 HN	3/8"-16 HHCS	28	(12.7)
B446-1/2	1/2"-13 HN	1/2"-13 HHCS	36	(16.3)

B446A
SWIVEL HANGER (FEMALE ONLY)
- Design Load:
  (3/8)-610 Lbs. (2.71 kN)
  (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN



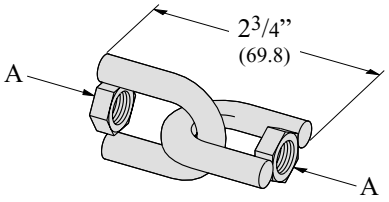
Part No.	A	R		Wt./C Lbs.	kg
B446A-3/8	3/8"-16 HN	9/32"	(7.1)	13	(5.9)
B446A-1/2	1/2"-13 HN	3/8"	(9.5)	15	(6.8)

B446B
SWIVEL HANGER (MALE ONLY)
- Design Load:
  (3/8)-610 Lbs. (2.71 kN)
  (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN



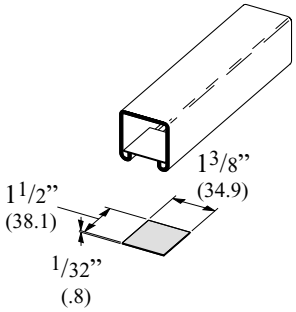
Part No.	B	R		Wt./C Lbs.	kg
B446B-3/8	3/8"-16 HHCS	9/32"	(7.1)	16	(7.2)
B446B-1/2	1/2"-13 HHCS	3/8"	(9.5)	20	(9.1)

B446C
SWIVEL HANGER (FEMALE-FEMALE)
- Design Load:
  (3/8)-610 Lbs. (2.71 kN)
  (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN

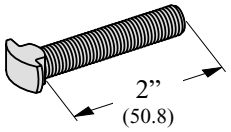


Part No.	A	Wt./C Lbs.	kg
B446C-3/8	3/8"-16 HN	26	(11.8)
B446C-1/2	1/2"-13 HN	31	(14.0)

B590
FIBER WIRE RETAINER
- Installation aid for retaining wires before installing snap closure strip
- Wt./C 1 Lb. (.4 kg)



B617
SHOULDER BOLT
- Standard finish: ZN
- Wt./C 6 Lbs. (2.7 kg)

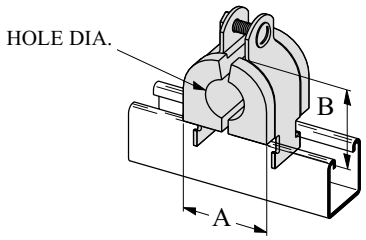


3/8"-16 THREAD SIZE

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

B4060 THRU B4093
PORCELAIN CABLE CLAMPS

•Assembly includes:
1 pr. Porcelain Clamps
1 pr. zinc plated Pipe Straps with Everdur Hardware (Silicon Bronze)
•Electrical porcelain has a dielectric strength of 50 volts/mil
•Everdur hardware is non-ferrous and prevents magnetic induction



Part No.	Hole Dia.		Wt./C Lbs.	kg	A		B		Clamp No. (included)
B4060	3/8”	(9.5)	93	(42.2)	2 13/32”	(61.1)	2 1/32”	(51.6)	B2012
B4061	1/2”	(12.7)	90	(40.8)					
B4062	5/8”	(15.9)	88	(39.9)					
B4063	3/4”	(19.0)	86	(39.0)					
B4064	7/8”	(22.2)	84	(38.1)					
B4065	1”	(25.4)	80	(36.3)					
B4066	1 1/8”	(28.6)	78	(35.4)					
B4067	1 1/4”	(31.7)	116	(52.6)	2 29/32”	(73.8)	2 17/32”	(64.3)	B2013
B4068	1 3/8”	(34.9)	111	(50.3)					
B4069	1 1/2”	(38.1)	106	(48.1)					
B4070	1 5/8”	(41.3)	103	(46.7)					
B4071	1 3/4”	(44.4)	212	(96.1)	4”	(101.6)	3 5/8”	(92.1)	B2015
B4072	1 7/8”	(47.6)	204	(92.5)					
B4073	2”	(50.8)	200	(90.7)					
B4074	2 1/8”	(54.0)	198	(89.8)					
B4075	2 1/4”	(57.1)	268	(121.5)	4 1/2”	(114.3)	4 1/8”	(104.8)	B2016
B4076	2 3/8”	(60.3)	261	(118.4)					
B4077	2 1/2”	(63.5)	251	(113.8)					
B4078	2 5/8”	(66.7)	242	(109.7)					
B4079	2 3/4”	(69.8)	267	(121.1)	5 1/8”	(130.2)	4 1/8”	(104.8)	B2016
B4080	2 7/8”	(73.0)	256	(116.1)					
B4081	3”	(76.2)	248	(112.5)					
B4082	3 1/8”	(79.4)	245	(111.1)					
B4083	3 1/4”	(82.5)	447	(202.7)	6 3/16”	(157.1)	5 11/16”	(144.4)	B2019
B4084	3 3/8”	(85.7)	430	(195.0)					
B4085	3 1/2”	(88.9)	426	(193.2)					
B4086	3 5/8”	(92.1)	410	(186.0)					
B4087	3 3/4”	(95.2)	628	(284.8)	7 1/4”	(184.1)	6 3/4”	(171.4)	B2020
B4088	3 7/8”	(98.4)	620	(281.2)					
B4089	4”	(101.6)	596	(270.3)					
B4090	4 1/8”	(104.8)	588	(266.7)					
B4091	4 1/4”	(107.9)	582	(264.0)					
B4092	4 3/8”	(111.1)	578	(262.2)					
B4093	4 1/2”	(114.3)	573	(259.9)					

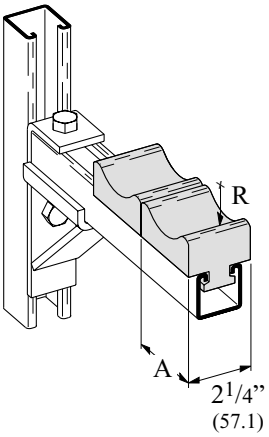
Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

PORCELAIN & MAPLE CLAMPS

B-Line

B4050 & B4051
PORCELAIN CABLE CHANNEL SADDLE

•Electrical porcelain has an electric strength of 50 volts/mil

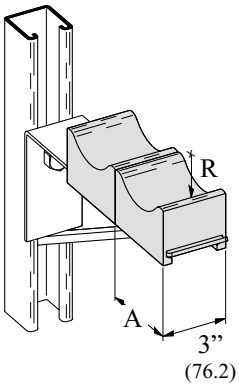


Part No.	A		R		Wt./C Lbs.	kg
B4050	3"	(76.2)	1 3/8"	(34.9)	72	(32.6)
B4051	4"	(101.6)	2 1/8"	(54.0)	100	(45.3)

B4094 & B4095
PORCELAIN CABLE RACK SADDLE

•Electrical porcelain has an electric strength of 50 volts/mil

•Designed for use with B449 Brackets



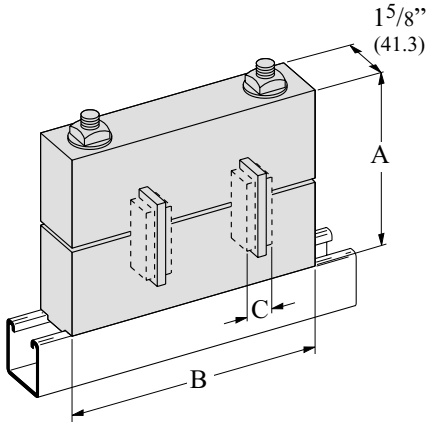
Part No.	A		R		Wt./C Lbs.	kg
B4094	2 7/8"	(73.0)	1 3/8"	(34.9)	67	(30.4)
B4095	3 7/8"	(98.4)	2 1/8"	(54.0)	106	(48.1)

B4035A THRU B4035F
4" (101.6) BUS BAR MAPLE CLAMPS

•Assembly Includes:
1 pr. Maple Clamps (Paraffin Impregnated)
3 pcs. 1/2" Flat Washers
3 pcs. N225WO
3 pcs. SQN-1/2"
3 pcs. ATR-1/2 x L (Length)

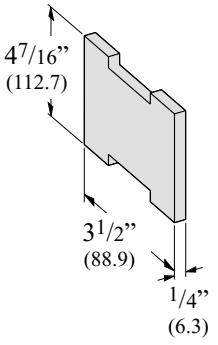
•Required number of Separators

•1/4" (6.3) x 2" (50.8) and 1/4" (6.3) x 6" (152.4) Bus Bar Maple Clamps available



B4037B 1/4" (6.3) x 4" (101.6)
BUS BAR SEPARATOR

•Wt./C 9 Lbs. (4.1 kg)

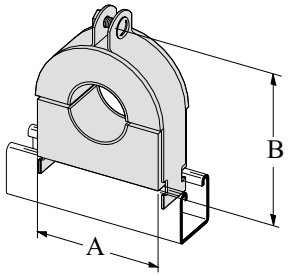


Part No.	A		B		C		No. of Bus Separators	No. of Bars Per Leg	Wt./C Lbs.	kg
B4035A	7 3/8"	(187.3)	8 1/2"	(215.9)	1/4"	(6.3)	–	1	416	(188.7)
B4035B			9 1/2"	(241.3)	3/4"	(19.0)	2	2	447	(202.7)
B4035C			10 1/2"	(266.7)	1 1/4"	(31.7)	4	3	479	(217.3)
B4035D			11 1/2"	(292.1)	1 3/4"	(44.4)	6	4	511	(231.8)
B4035E			12 1/2"	(317.5)	2 1/4"	(57.1)	8	5	542	(245.8)
B4035F			13 1/2"	(342.9)	2 3/4"	(69.8)	10	6	574	(260.3)

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

B4000 THRU B4007
MAPLE CABLE CLAMPS

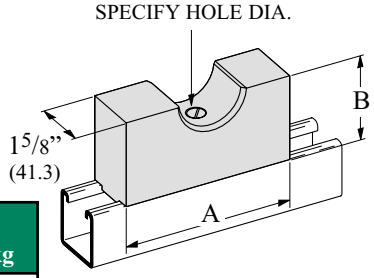
•Assembly Includes:
1 pr. Maple Clamps (Paraffin Impregnated)
1 pr. zinc plated Steel Pipe Straps with Everdur Hardware (Silicon Bronze)
•Everdur hardware is non-ferrous and prevents magnetic induction



Part No.	Specify Hole Dia.		A		B		Clamp No. (included)	Wt./C Lbs.	kg
B4000	0" to 5/8"	(0.0 to 15.9)	1 11/32"	(34.1)	2"	(50.8)	B2010	24	(10.9)
B4001	1/2" to 1"	(12.7 to 25.4)	1 29/32"	(48.4)	2 25/32"	(70.6)	B2012	44	(19.9)
B4002	3/4" to 1 1/2"	(19.0 to 38.1)	2 3/8"	(60.3)	3 9/32"	(83.3)	B2013	58	(26.3)
B4003	1 1/4" to 1 3/4"	(31.7 to 44.4)	2 7/8"	(73.0)	3 3/4"	(95.2)	B2014	66	(29.9)
B4004	1 1/2" to 2 1/4"	(38.1 to 57.1)	3 1/2"	(88.9)	4 3/8"	(111.1)	B2015	86	(39.0)
B4005	2" to 2 1/2"	(50.8 to 63.5)	4"	(101.6)	4 7/8"	(123.8)	B2016	110	(49.9)
B4006	2 1/4" to 3"	(38.1 to 76.2)	4 1/2"	(114.3)	5 3/8"	(136.5)	B2017	125	(56.7)
B4007	3" to 4"	(76.2 to 101.6)	5 9/16"	(141.3)	6 7/16"	(163.5)	B2019	165	(74.8)

B4008 THRU B4017
SQUARE MAPLE CABLE SADDLE

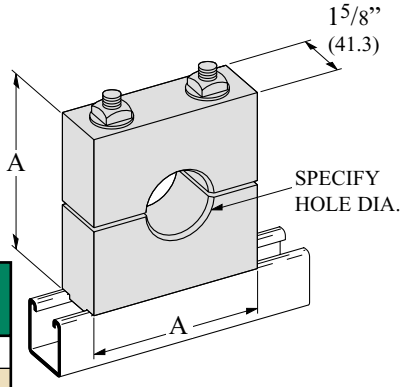
•Assembly Includes:
1 Maple Saddle (Paraffin Impregnated)
1 pc. 3/8"-16 Flat Head Machine Screw
1 pc. N228 Channel Nut
•Other sizes available



Part No.	Specify Hole Dia.		A		B		Wt./C Lbs.	kg
B4008	0" to 1"	(0.0 to 25.4)	3"	(76.2)	1 3/4"	(44.4)	35	(15.9)
B4009	1" to 1 1/2"	(25.4 to 38.1)	3 1/2"	(88.9)	2"	(50.8)	42	(19.0)
B4010	1 1/2" to 2"	(38.1 to 50.8)	4"	(101.6)	2 1/4"	(57.1)	53	(24.0)
B4011	2" to 2 1/2"	(50.8 to 63.5)	4 1/2"	(114.3)	2 1/2"	(63.5)	62	(28.1)
B4012	2 1/2" to 3"	(63.5 to 76.2)	5"	(127.0)	2 3/4"	(69.8)	76	(34.5)
B4013	3" to 3 1/2"	(76.2 to 88.9)	5 1/2"	(139.7)	3"	(76.2)	85	(38.5)
B4014	3 1/2" to 4"	(88.9 to 101.6)	6"	(152.4)	3 1/4"	(82.5)	95	(43.1)
B4015	4" to 4 1/2"	(101.6 to 114.3)	7"	(177.8)	3 3/4"	(95.2)	105	(47.8)
B4016	4 1/2" to 5"	(114.3 to 127.0)	7 1/2"	(190.5)	4"	(101.6)	115	(52.4)
B4017	5" to 6"	(127.0 to 152.4)	9"	(228.6)	5"	(127.0)	126	(57.1)

B4033A THRU B4033I
MAPLE CABLE CLAMPS

•Assembly Includes:
1 pr. Maple Clamps (Paraffin Impregnated)
2 pcs. 3/8"-16 Stud Bolts
2 pcs. 3/8"-16 Flat Washers
2 pcs. 3/8"-16 Square Nuts
2 pcs. N228 Channel Nuts
•Other sizes available



Part No.	Specify Hole Dia.		A		Wt./C Lbs.	kg
B4033A	0" to 1"	(0.0 to 25.4)	3 1/2"	(88.9)	85	(38.5)
B4033B	1" to 1 1/2"	(25.4 to 38.1)	4"	(101.6)	95	(43.1)
B4033C	1 1/2 to 2"	(38.1 to 50.8)	4 1/2"	(114.3)	118	(53.5)
B4033D	2" to 2 1/2"	(50.8 to 63.5)	5 1/2"	(127.0)	162	(73.5)
B4033E	2 1/2" to 3"	(63.5 to 76.2)	6"	(152.4)	187	(84.8)
B4033F	3" to 3 1/2"	(76.2 to 88.9)	6 1/2"	(165.1)	209	(94.8)
B4033G	3 1/2" to 4"	(88.9 to 101.6)	7"	(177.8)	248	(112.5)
B4033H	4" to 4 1/2"	(101.6 to 114.3)	7 1/2"	(190.5)	270	(122.5)
B4033I	4 1/2" to 5"	(114.3 to 127.0)	8"	(203.2)	298	(135.2)

Reference page 136 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 204-205.

ALUMINUM & STAINLESS STEEL

Aluminum

Aluminum channels, fittings and accessories offer excellent corrosion resistance and are suitable for many indoor and outdoor applications. Aluminum's high strength to weight ratio greatly reduces overall cost of installation through ease of handling and cutting. B-Line's channels are extruded from aluminum alloy 6063-T6. Closure strips are extruded from aluminum alloy 6063-T5. Fittings and accessories are made from aluminum alloy 5052-H32.

Stainless Steel

Where corrosion problems persist and other material and fittings are ineffective, we recommend use of B-Line's corrosion resistant stainless steel channels and accessories. Channels and fittings are available in two types of stainless steel:

SS4-AISI Type 304
SS6-AISI Type 316

Fittings

Most fittings, as shown in this catalog, can be supplied in aluminum or stainless steel.

Load Data

Aluminum

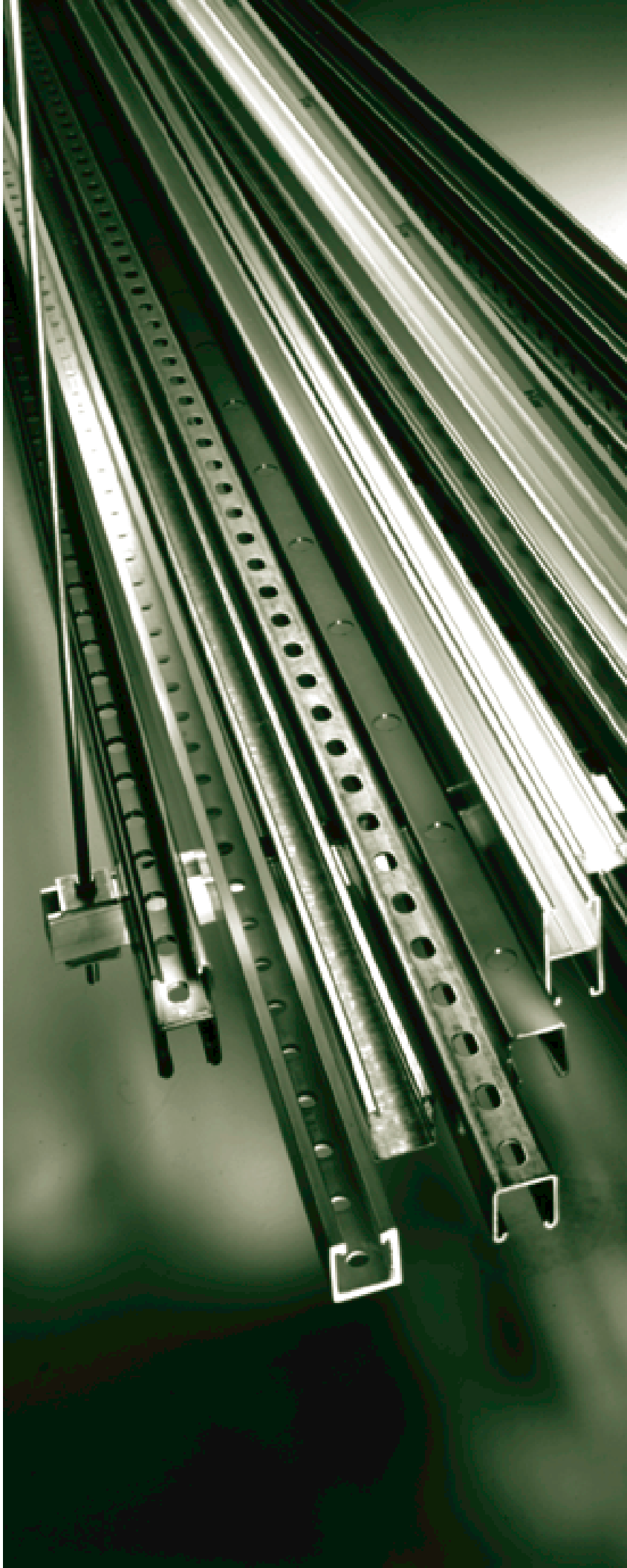
Channel's approximate load data can be determined by multiplying load data in the steel channel section of this catalog by a factor of 0.38.

Stainless Steel

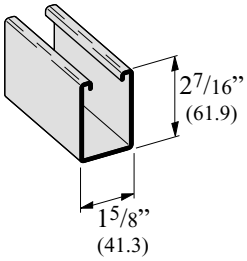
Channel load data is the same as the data in the steel channel section of this catalog.

Metric

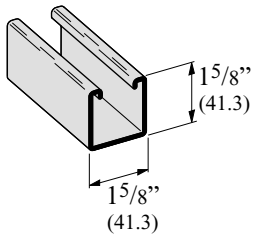
Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.



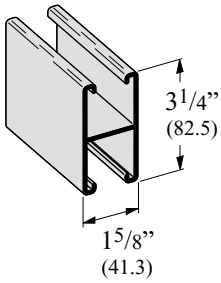
B12AL
•Thickness: .105 (2.6 mm)
•Standard Length: 10' (3.05 m) and 20' (6.09 m)
•Material: Aluminum
•Weight: .86 Lbs./Ft. (1.28 kg/m)



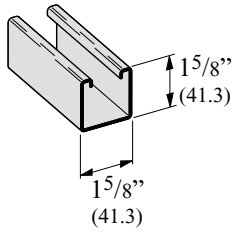
B22AL
•Thickness: .105 (2.6 mm)
•Standard Length: 10' (3.05 m) and 20' (6.09 m)
•Material: Aluminum
•Weight: .66 Lbs./Ft. (0.98 kg/m)



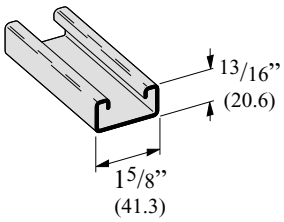
B22AAL
•Thickness: .105 (2.6 mm)
•Standard Length: 10' (3.05 m) and 20' (6.09 m)
•Material: Aluminum
•Weight: 1.18 Lbs./Ft. (1.75 kg/m)



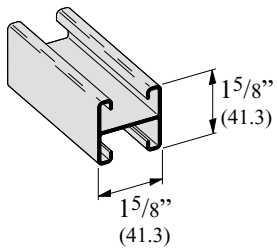
B24AL
•Thickness: .080 (2.0 mm)
•Standard Length: 10' (3.05 m) and 20' (6.09 m)
•Material: Aluminum
•Weight: .52 Lbs./Ft. (0.77 kg/m)



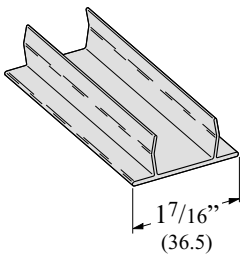
B54AL
•Thickness: .080 (2.0 mm)
•Standard Length: 10' (3.05 m) and 20' (6.09 m)
•Material: Aluminum
•Weight: .37 Lbs./Ft. (0.55 kg/m)



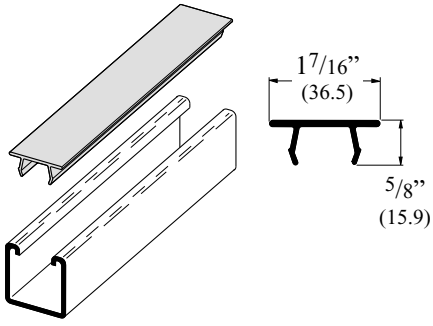
B54AAL
•Thickness: .080 (2.0 mm)
•Standard Length: 10' (3.05 m) and 20' (6.09 m)
•Material: Aluminum
•Weight: .57 Lbs./Ft. (0.84 kg/m)



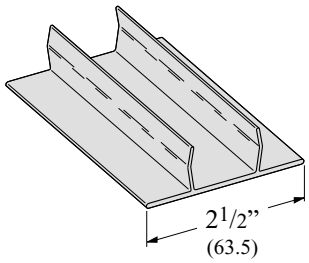
B217AL
CLOSURE STRIP
•Standard Length: 10' (304.8 cm)
•Material: Aluminum
•Weight: .15 Lbs./Ft. (0.23 kg/m)



B217P
PLASTIC CLOSURE STRIP
•Standard Length: 10' (304.8 cm)
•Material: PVC
•Weight: .09 Lbs./Ft. (0.14 kg/m)



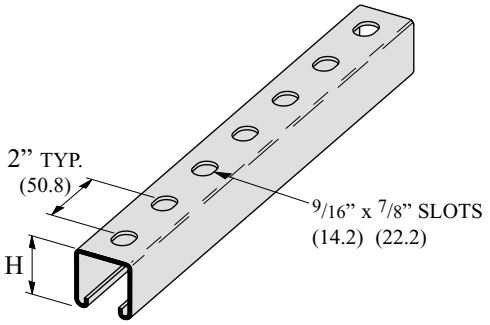
B217FFAL
CLOSURE STRIP
•Standard Length: 10' (304.8 cm)
•Material: Aluminum
•Weight: .16 Lbs./Ft. (0.24 kg/m)



Reference page 150 for general fitting specifications.
Other channel combinations available-see steel section for styles.

SH TYPE CHANNEL

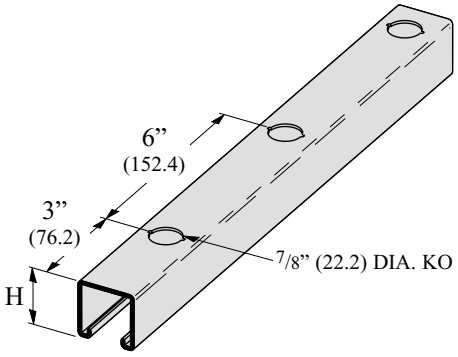
•Material: Aluminum



Part No.	Thickness		H		Wt./C Lbs./Ft.	kg/m
B12SH AL	.105	(2.6)	2 7/16"	(61.9)	.83	(1.23)
B22SH AL	.105	(2.6)	1 5/8"	(41.3)	.63	(.93)
B24SH AL	.080	(2.0)	1 5/8"	(41.3)	.49	(.73)
B54SH AL	.080	(2.0)	13/16"	(20.6)	.34	(.50)

KO6 TYPE KNOCKOUT CHANNEL

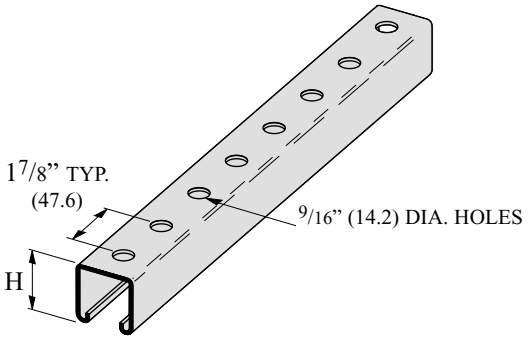
•Material: Aluminum



Part No.	Thickness		H		Wt./C Lbs./Ft.	kg/m
B12KO6 AL	.105	(2.6)	2 7/16"	(61.9)	.86	(1.28)
B22KO6 AL	.105	(2.6)	1 5/8"	(41.3)	.66	(.98)
B24KO6 AL	.080	(2.0)	1 5/8"	(41.3)	.52	(.77)
B54KO6 AL	.080	(2.0)	13/16"	(20.6)	.37	(.55)

H-17/8 TYPE CHANNEL

•Material: Aluminum

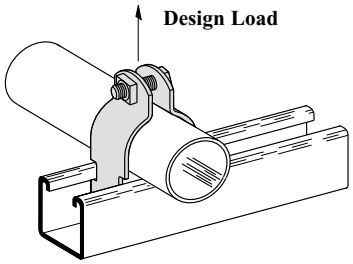


Part No.	Thickness		H		Wt./C Lbs./Ft.	kg/m
B12H17/8 AL	.105	(2.6)	2 7/16"	(61.9)	.86	(1.28)
B22H17/8 AL	.105	(2.6)	1 5/8"	(41.3)	.66	(.98)
B24H17/8 AL	.080	(2.0)	1 5/8"	(41.3)	.52	(.77)
B54H17/8 AL	.080	(2.0)	13/16"	(20.6)	.37	(.55)

B2000 SERIES

RIGID CONDUIT CLAMPS

•Safety Factor of 5
•Slotted Round Head Machine Screw and Square Nut included
•Pipe clamp material 5052-H32

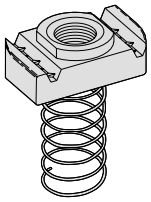


Part No.	Conduit or Pipe Size		Material Thickness		Design Load Lbs.	kN	Wt./C Lbs.	kg
B2007 AL	3/8"	(10)	.063	(1.6)	180	(.80)	4	(1.8)
B2008 AL	1/2"	(15)	.063	(1.6)	180	(.80)	4	(1.8)
B2009 AL	3/4"	(20)	.080	(2.0)	270	(1.20)	6	(2.7)
B2010 AL	1"	(25)	.080	(2.0)	270	(1.20)	7	(3.2)
B2011 AL	1 1/4"	(32)	.080	(2.0)	270	(1.20)	8	(3.6)
B2012 AL	1 1/2"	(40)	.100	(2.5)	360	(1.60)	11	(5.0)
B2013 AL	2"	(50)	.100	(2.5)	360	(1.60)	12	(5.4)
B2014 AL	2 1/2"	(65)	.100	(2.5)	360	(1.60)	13	(5.9)
B2015 AL	3"	(80)	.100	(2.5)	360	(1.60)	16	(7.2)
B2016 AL	3 1/2"	(90)	.125	(3.2)	450	(2.00)	22	(10.0)
B2017 AL	4"	(100)	.125	(3.2)	450	(2.00)	24	(10.9)
B2018 AL	4 1/2"	(115)	.125	(3.2)	450	(2.00)	26	(11.8)
B2019 AL	5"	(125)	.125	(3.2)	450	(2.00)	27	(12.2)
B2020 AL	6"	(150)	.125	(3.2)	450	(2.00)	33	(14.9)

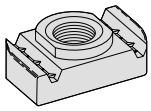
Reference page 150 for general fitting specifications.

ALUMINUM FITTINGS

Most fittings, as shown in this catalog, can be supplied in aluminum. See “Fittings” section of this catalog.



SPRING NUT



NUT WITHOUT SPRING

NUTS FOR B12 CHANNEL

Part Number		Thread Size	Thickness		Wt./C	
With Spring	Without Spring				Lbs.	kg
N724SS6L	N224WOSS6L	1/4”-20	1/4”	(6.3)	6.6	(3.0)
N728SS6L	N228WOSS6L	3/8”-16	3/8”	(9.5)	10.6	(4.8)
N725SS6L	N225WOSS6L	1/2”-13	3/8”	(9.5)	9.7	(4.4)

NUTS FOR B22, B24 CHANNELS

Part Number		Thread Size	Thickness		Wt./C	
With Spring	Without Spring				Lbs.	kg
N224SS6L	N224WOSS6L	1/4”-20	1/4”	(6.3)	6.6	(3.0)
N228SS6L	N228WOSS6L	3/8”-16	3/8”	(9.5)	10.6	(4.8)
N225SS6L	N225WOSS6L	1/2”-13	3/8”	(9.5)	9.7	(4.4)

NUTS FOR B54 CHANNEL

Part Number		Thread Size	Thickness		Wt./C	
With Spring	Without Spring				Lbs.	kg
N524SS6L	N224WOSS6L	1/4”-20	1/4”	(6.3)	6.6	(3.0)
N528SS6L	N228WOSS6L	3/8”-16	3/8”	(9.5)	10.6	(4.8)
N525SS6L	N525WOSS6L	1/2”-13	3/8”	(9.5)	9.7	(4.4)

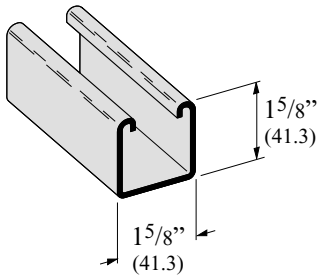
B-Line recommends the use of Stainless Steel channel nuts with Aluminum channel. For channel nut pull-out strength and slip resistance, use the channel nut information provided on pg. 50 & 51. A (.70) multiplier is to be applied to obtain the appropriate derated values for aluminum channel.

Reference page 150 for general fitting specifications.

STAINLESS STEEL

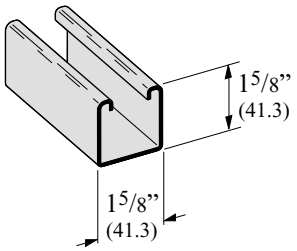
B22SS*

- *Substitute 4 for Stainless Steel Type 304 or 6 for Stainless Steel Type 316
- Thickness: 12 Ga. (2.6 mm)
- Standard Length: 10' (3.05 m) and 20' (6.09 m)
- Material: SS4, SS6
- Weight: 1.90 Lbs./Ft. (2.83 kg/m)



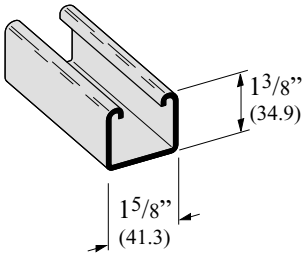
B24SS*

- *Substitute 4 for Stainless Steel Type 304 or 6 for Stainless Steel Type 316
- Thickness: 14 Ga. (1.9 mm)
- Standard Length: 10' (3.05 m) and 20' (6.09 m)
- Material: SS4, SS6
- Weight: 1.40 Lbs./Ft. (2.08 kg/m)



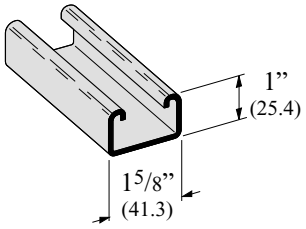
B32SS4

- Thickness: 12 Ga. (2.6 mm)
- Standard Length: 10' (3.05 m) and 20' (6.09 m)
- Material: SS4
- Weight: 1.70 Lbs./Ft. (2.53 kg/m)



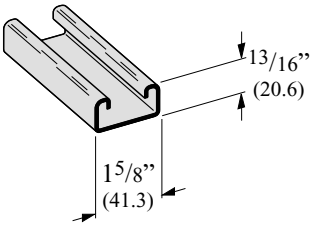
B42SS4

- Thickness: 12 Ga. (2.6 mm)
- Standard Length: 10' (3.05 m) and 20' (6.09 m)
- Material: SS4
- Weight: 1.44 Lbs./Ft. (2.14 kg/m)

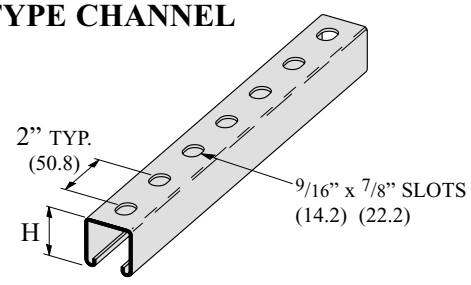


B54SS*

- *Substitute 4 for Stainless Steel Type 304 or 6 for Stainless Steel Type 316
- Thickness: 14 Ga. (1.9 mm)
- Standard Length: 10' (3.05 m) and 20' (6.09 m)
- Material: SS4, SS6
- Weight: .97 Lbs./Ft. (1.44 kg/m)

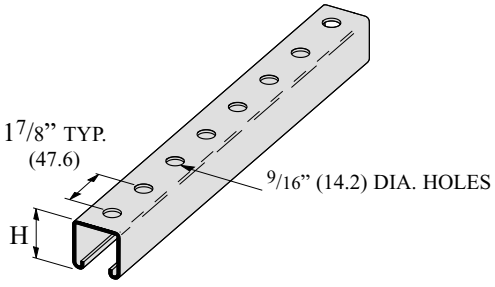


SH TYPE CHANNEL



Part No.	Thickness		H		Wt./C Lbs./Ft.	kg/m
B22SH SS4	12 Ga.	(2.6)	1 5/8"	(41.3)	1.82	(2.70)
B22SH SS6	12 Ga.	(2.6)	1 5/8"	(41.3)	1.82	(2.70)
B24SH SS4	14 Ga.	(1.9)	1 5/8"	(41.3)	1.34	(1.99)
B24SH SS6	14 Ga.	(1.9)	1 5/8"	(41.3)	1.34	(1.99)
B32SH SS4	12 Ga.	(2.6)	1 3/8"	(34.9)	1.62	(2.41)
B42SH SS4	12 Ga.	(2.6)	1"	(25.4)	1.36	(2.02)
B54SH SS4	14 Ga.	(1.9)	13/16"	(20.6)	.91	(1.35)
B54SH SS6	14 Ga.	(1.9)	13/16"	(20.6)	.91	(1.35)

H-17/8 TYPE CHANNEL



Part No.	Thickness		H		Wt./C Lbs./Ft.	kg/m
B22H17/8 SS4	12 Ga.	(2.6)	1 5/8"	(41.3)	1.85	(2.75)
B24H17/8 SS4	14 Ga.	(1.9)	1 5/8"	(41.3)	1.36	(2.02)
B24H17/8 SS6	14 Ga.	(1.9)	1 5/8"	(41.3)	1.36	(2.02)
B32H17/8 SS4	12 Ga.	(2.6)	1 3/8"	(34.9)	1.65	(2.45)
B42H17/8 SS4	12 Ga.	(2.6)	1"	(25.4)	1.39	(2.07)
B54H17/8 SS4	14 Ga.	(1.9)	13/16"	(20.6)	.93	(1.38)
B54H17/8 SS6	14 Ga.	(1.9)	13/16"	(20.6)	.93	(1.38)

Reference page 150 for general fitting specifications.

STAINLESS STEEL FITTINGS

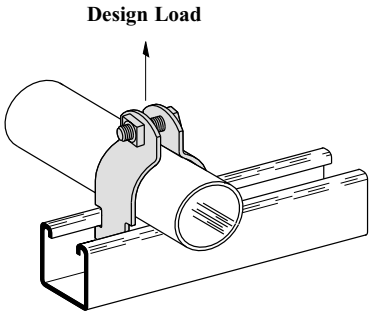
Most fittings, as shown in this catalog, can be supplied in Type 304 or Type 316 stainless steel. See "Fittings" section of this catalog.

B2000 SERIES

PIPE AND TUBING CLAMPS

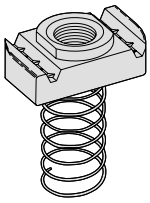
- Safety Factor of 5
- Slotted Hex Head Machine Screw and Square Nut included
- Material: Stainless Steel Type 304 & 316

Part No.	Conduit Pipe Size		Material Thickness		Design Load Lbs.	kN	Wt./C Lbs.	kg
B2007 SS4	3/8"	(10)	16 Ga.	(1.5)	400	(1.78)	10	(4.5)
B2008 SS4	1/2"	(15)	16 Ga.	(1.5)	400	(1.78)	11	(5.0)
B2009 SS4	3/4"	(20)	14 Ga.	(1.9)	600	(2.67)	15	(6.8)
B2010 SS4	1"	(25)	14 Ga.	(1.9)	600	(2.67)	16	(7.2)
B2011 SS4	1 1/4"	(32)	14 Ga.	(1.9)	600	(2.67)	20	(9.1)
B2012 SS4	1 1/2"	(40)	12 Ga.	(2.6)	800	(3.56)	30	(13.6)
B2013 SS4	2"	(50)	12 Ga.	(2.6)	800	(3.56)	34	(15.4)
B2014 SS4	2 1/2"	(65)	12 Ga.	(2.6)	800	(3.56)	38	(17.2)
B2015 SS4	3"	(80)	12 Ga.	(2.6)	800	(3.56)	44	(19.9)
B2016 SS4	3 1/2"	(90)	12 Ga.	(2.6)	1000	(4.45)	51	(23.1)
B2017 SS4	4"	(100)	12 Ga.	(2.6)	1000	(4.45)	55	(24.9)
B2018 SS4	4 1/2"	(115)	12 Ga.	(2.6)	1000	(4.45)	59	(26.7)
B2019 SS4	5"	(125)	12 Ga.	(2.6)	1000	(4.45)	64	(29.0)
B2020 SS4	6"	(150)	12 Ga.	(2.6)	1000	(4.45)	80	(36.3)

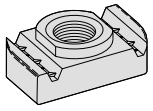


CHANNEL NUTS

- For Channel Nuts pull-out strength and slip resistance, use the data shown in "Channel Nuts & Hardware" section of this catalog.



SPRING NUT



NUT WITHOUT SPRING

NUTS FOR B22, B24, B32 CHANNELS

Part Number With Spring	Part Number Without Spring	Thread Size	Thickness		Wt./C Lbs.	kg
N224SS6L	**N224WOSS6L**	1/4"-20	1/4"	(6.3)	6.6	(3.0)
N228SS6L	**N228WOSS6L**	3/8"-16	3/8"	(9.5)	10.6	(4.8)
N225SS6L	**N225WOSS6L**	1/2"-13	3/8"	(9.5)	9.7	(4.4)

NUTS FOR B42, B52, B54 CHANNELS

Part Number With Spring	Part Number Without Spring	Thread Size	Thickness		Wt./C Lbs.	kg
N524SS6L	**N224WOSS6L**	1/4"-20	1/4"	(6.3)	6.6	(3.0)
N528SS6L	**N228WOSS6L**	3/8"-16	3/8"	(9.5)	10.6	(4.8)
N525SS6L	**N225WOSS6L**	1/2"-13	3/8"	(9.5)	9.7	(4.4)

Reference page 150 for general fitting specifications.

FIBERGLASS

B-Line offers two fire retardant (FR) resins for strut systems, polyester and vinyl ester. Both resins are ideal for corrosive environments.

While polyester is sufficient for most uses, vinyl ester is suitable for a broader range of environments.

Please refer to the "Corrosion Resistance Guide" below for specific applications.

Materials & Finishes

B-Line Fiberglass Strut systems are manufactured from glass fiber-reinforced plastic shapes that meet ASTM E-84, Class 1 Flame Rating and self-extinguishing requirements of ASTM D-635. A surface veil is applied during pultrusion to insure a resin-rich surface and ultraviolet resistance.

Fittings

The following dimensions apply to all fittings except as noted on the drawings:

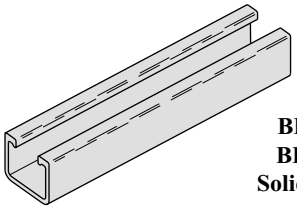
Hole Size–13/32" (10.3 mm) Dia.
Hole Spacing–13/16" (20.6 mm) from end and 1 7/8" (47.6 mm) on center.
Width–1 5/8" (41.3 mm)
Thickness–1/4" (6.3 mm)

Metric

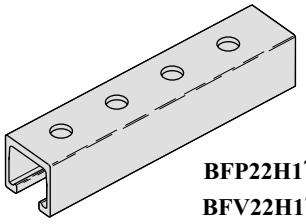
Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

BFP22 THRU BFV22SH

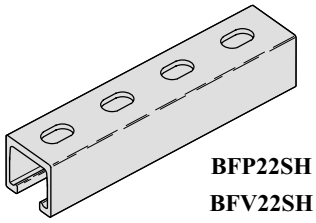
- Channel lengths: 10 Ft. (3.05 m) and 20 Ft. (6.09 m)
- Fiberglass strut meets specification of ASTM D-4385 Levels III and IV.
- Fiberglass strut can be used with B-Line stainless steel channel nuts and pipe clamps.



BFP22
BFV22
Solid Back

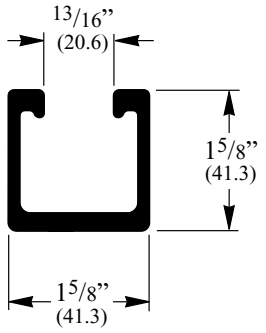


BFP22H1 7/8
BFV22H1 7/8
9/16" (14.3) holes
1 7/8" (47.6) on centers



BFP22SH
BFV22SH
9/16" (14.3) x 7/8" (22.2) slots
2" (50.8) on centers

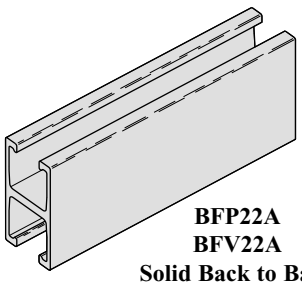
Part No.	Material	Description	Color	Weight Lbs./ft.	Weight kg/m
BFP22*	Polyester Resin	Solid Back	Gray	.63	(.94)
BFV22*	Vinyl Ester Resin	Solid Back	Beige	.63	(.94)
BFP22H1 7/8*	Polyester Resin	Holes in Back	Gray	.60	(.89)
BFV22H1 7/8*	Vinyl Ester Resin	Holes in Back	Beige	.60	(.89)
BFP22SH*	Polyester Resin	Slots in Back	Gray	.61	(.91)
BFV22SH*	Vinyl Ester Resin	Slots in Back	Beige	.61	(.91)



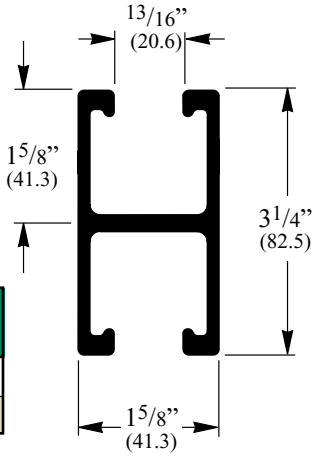
* Insert -120 for 10'-0" (3.05 m) length or -240 for 20'-0" (6.09 m) length

BFP22A
BFV22A

- Channel Lengths: 10 Ft. (3.05 m) and 20 Ft. (6.09 m)
- Fiberglass strut meets specification of ASTM D-4385 Levels III and IV.
- Fiberglass strut can be used with B-Line stainless steel channel nuts and pipe clamps.



BFP22A
BFV22A
Solid Back to Back



Part No.	Material	Description	Color	Weight Lbs./ft.	Weight kg/m
BFP22A*	Polyester Resin	Back To Back	Gray	1.15	(1.71)
BFV22A*	Vinyl Ester Resin	Back To Back	Beige	1.15	(1.71)

* Insert -120 for 10'-0" (3.05 m) length or -240 for 20'-0" (6.09 m) length

WARNING: Appropriate protective clothing and respiratory protection device should be worn when field cutting or grinding fiberglass.

Field Cutting Sealant Kits

RSK010 .... Pint Sealing Kit (473 cm^3)
includes sealant and brush applicator

• Seals exposed fibers after field cutting. •
• UV resistant •

Published design loads on page 158 are based on usage at 70°F (21°C) and must be reduced for continuous exposure to higher temperatures. Refer to the chart below for high temperature applications.

Temperature	Design Load Multiplier
75°F (24°C)	**100%**
100°F (38°C)	**90%**
125°F (52°C)	**78%**
150°F (66°C)	**68%**
175°F (79°C)	**60%**
200°F (93°C)	**52%**

Reference page 156 for general fitting and standard finish specifications.

BEAM LOADING DATA FOR GLASS REINFORCED POLYESTER RESIN

Beam Span		Part No.	Maximum Allowable Beam Load Load		Deflection @ Maximum Allowable Beam Load		Allowable Load @ Deflection =			
							1/240 Span		1/360 Span	
in.	mm		Lbs.	kN	in.	mm	Lbs.	kN	Lbs.	kN
12”	(305)	**BFP22**	1781	(7.92)	0.064	(1.62)	1392	(6.19)	928	(4.13)
		BFP22A	2259	(10.05)	0.037	(.94)	2259	(10.05)	2051	(9.12)
24”	(609)	**BFP22**	890	(3.96)	0.256	(6.50)	347	(1.54)	231	(1.03)
		BFP22A	1127	(5.01)	0.147	(3.73)	767	(3.41)	511	(2.27)
36”	(914)	**BFP22**	592	(2.63)	0.576	(14.63)	153	(0.68)	101	(0.45)
		BFP22A	750	(3.33)	0.330	(8.38)	338	(1.50)	224	(0.99)
48”	(1219)	**BFP22**	443	(1.97)	1.024	(26.01)	85	(0.38)	55	(0.24)
		BFP22A	560	(2.49)	0.587	(14.91)	188	(0.83)	123	(0.55)
60”	(1524)	**BFP22**	353	(1.57)	1.600	(40.64)	53	(0.23)	34	(0.15)
		BFP22A	446	(1.98)	0.918	(23.32)	117	(0.52)	76	(0.34)
72”	(1829)	**BFP22**	293	(1.30)	2.303	(58.49)	35	(0.15)	22	(0.10)
		BFP22A	370	(1.64)	1.322	(33.58)	78	(0.34)	50	(0.22)
96”	(2438)	**BFP22**	218	(0.97)	4.095	(104.01)	17	(0.07)	9	(0.04)
		BFP22A	273	(1.21)	2.350	(59.69)	39	(0.17)	23	(0.10)
120”	(3048)	**BFP22**	172	(0.76)	6.398	(162.51)	8	(0.03)	3	(0.01)
		BFP22A	214	(0.95)	3.671	(93.24)	19	(0.08)	9	(0.04)

BEAM LOADING DATA FOR GLASS REINFORCED VINYL ESTER RESIN

Beam Span		Part No.	Maximum Allowable Beam Load Load		Deflection @ Maximum Allowable Beam Load		Allowable Load @ Deflection =			
							1/240 Span		1/360 Span	
in.	mm		Lbs.	kN	in.	mm	Lbs.	kN	Lbs.	kN
12”	(305)	**BFV22**	2220	(9.87)	0.071	(1.80)	1568	(6.97)	1045	(4.65)
		BFV22A	6442	(28.65)	0.039	(0.99)	6442	(29.65)	5549	(24.68)
24”	(609)	**BFV22**	1109	(4.93)	0.283	(7.19)	391	(1.74)	260	(1.15)
		BFV22A	3219	(14.32)	0.155	(3.94)	2079	(9.25)	1385	(6.16)
36”	(914)	**BFV22**	738	(3.28)	0.637	(16.18)	172	(0.76)	114	(0.51)
		BFV22A	2144	(9.53)	0.348	(8.84)	922	(4.10)	613	(2.72)
48”	(1219)	**BFV22**	553	(2.46)	1.133	(28.78)	96	(0.43)	63	(0.28)
		BFV22A	1606	(7.14)	0.619	(15.72)	516	(2.29)	342	(1.52)
60”	(1524)	**BFV22**	441	(1.96)	1.770	(44.96)	60	(0.26)	39	(0.17)
		BFV22A	1283	(5.70)	0.967	(24.56)	327	(1.45)	216	(0.96)
72”	(1829)	**BFV22**	366	(1.63)	2.549	(64.74)	40	(0.18)	25	(0.11)
		BFV22A	1067	(4.74)	1.393	(35.38)	224	(0.99)	147	(0.65)
96”	(2438)	**BFV22**	273	(1.21)	4.531	(115.09)	19	(0.08)	11	(0.05)
		BFV22A	796	(3.54)	2.477	(62.91)	121	(0.54)	78	(0.34)
120”	(3048)	**BFV22**	216	(0.96)	7.079	(179.80)	9	(0.04)	7	(0.02)
		BFV22A	633	(2.81)	3.870	(98.30)	72	(0.32)	44	(0.19)

For all column loading and any beam span loading over 120” (3.05 m), contact inside sales.

Loading Information

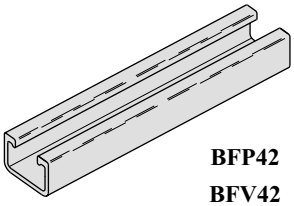
Beam Loads:

The above charts list the total allowable uniform load for various simple spans based on a minimum safety factor of 2. If the load is concentrated at center span, multiply the load from the above charts by 0.5 and the corresponding deflection by 0.8.
All beams should be supported in a manner to prevent rotation at supports. Long, deep beams should be tied between supports to prevent twist.
For channels with holes or slots use 90% of recommended load shown in channel loading chart.

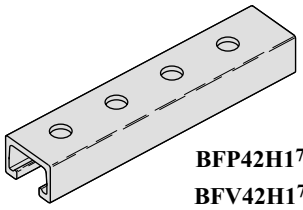
Reference page 156 for general fitting and standard finish specifications.

BFP42 THRU BFV42SH

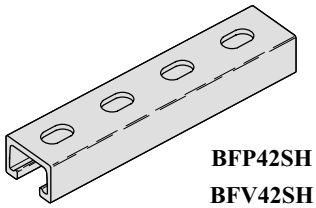
•Channel lengths: 10 Ft. (3.05 m) and 20 Ft. (6.09 m)
•Fiberglass strut meets specification of ASTM D-4385 Levels III and IV.
•Fiberglass strut can be used with B-Line stainless steel channel nuts and pipe clamps.



BFP42
BFV42
Solid Back

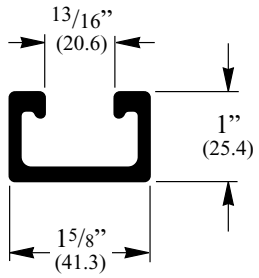


BFP42H1 7/8
BFV42H1 7/8
9/16" (14.3) holes
1 7/8" (47.6) on centers



BFP42SH
BFV42SH
9/16" (14.3) x 7/8" (22.2) slots
2" (50.8) on centers

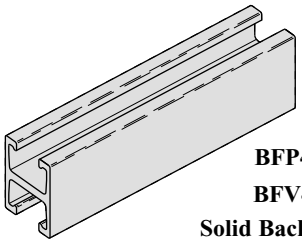
Part No.	Material	Description	Color	Weight Lbs./ft.	Weight kg/m
BFP42*	Polyester Resin	Solid Back	Gray	.48	(.71)
BFV42*	Vinyl Ester Resin	Solid Back	Beige	.48	(.71)
BFP42H1 7/8*	Polyester Resin	Holes in Back	Gray	.46	(.68)
BFV42H1 7/8*	Vinyl Ester Resin	Holes in Back	Beige	.46	(.68)
BFP42SH*	Polyester Resin	Slots in Back	Gray	.47	(.70)
BFV42SH*	Vinyl Ester Resin	Slots in Back	Beige	.47	(.70)



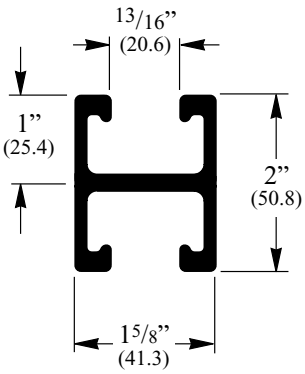
* Insert -120 for 10'-0" (3.05 m) length or -240 for 20'-0" (6.09 m) length

BFP42A
BFV42A

•Channel lengths: 10 Ft. (3.05 m) and 20 Ft. (6.09 m)
•Fiberglass strut meets specification of ASTM D-4385 Levels III and IV.
•Fiberglass strut can be used with B-Line stainless steel channel nuts and pipe clamps.



BFP42A
BFV42A
Solid Back to Back



Part No.	Material	Description	Color	Weight Lbs./ft.	Weight kg/m
BFP42A*	Polyester Resin	Back To Back	Gray	.85	(1.26)
BFV42A*	Vinyl Ester Resin	Back To Back	Beige	.85	(1.26)

* Insert -120 for 10'-0" (3.05 m) length or -240 for 20'-0" (6.09 m) length

WARNING: Appropriate protective clothing and respiratory protection device should be worn when field cutting or grinding fiberglass.

Field Cutting Sealant Kits

RSK010 .... Pint Sealing Kit (473 cm^3)
includes sealant and brush applicator

• Seals exposed fibers after field cutting. •
• UV resistant •

Published design loads on page 160 are based on usage at 70°F (21°C) and must be reduced for continuous exposure to higher temperatures. Refer to the chart below for high temperature applications.

Temperature	Design Load Multiplier
75°F (24°C)	**100%**
100°F (38°C)	**90%**
125°F (52°C)	**78%**
150°F (66°C)	**68%**
175°F (79°C)	**60%**
200°F (93°C)	**52%**

Reference page 156 for general fitting and standard finish specifications.

BEAM LOADING DATA FOR GLASS REINFORCED POLYESTER RESIN

Beam Span		Part No.	Maximum Allowable Beam Load Load		Deflection @ Maximum Allowable Beam Load		Allowable Load @ Deflection =			
							1/240 Span		1/360 Span	
in.	mm		Lbs.	kN	in.	mm	Lbs.	kN	Lbs.	kN
12”	(305)	**BFP42**	841	(3.74)	0.104	(2.64)	403	(1.79)	269	(1.19)
		BFP42A	2325	(10.34)	0.060	(1.52)	1948	(8.66)	1299	(5.78)
24”	(609)	**BFP42**	420	(1.87)	0.417	(10.59)	100	(0.44)	66	(0.29)
		BFP42A	1161	(5.16)	0.239	(6.07)	486	(2.16)	323	(1.43)
36”	(914)	**BFP42**	279	(1.24)	0.938	(23.82)	43	(0.19)	29	(0.13)
		BFP42A	773	(3.44)	0.537	(13.64)	214	(0.95)	142	(0.63)
48”	(1219)	**BFP42**	208	(0.92)	1.667	(42.34)	23	(0.10)	15	(0.06)
		BFP42A	578	(2.57)	0.955	(24.26)	119	(0.53)	78	(0.34)
60”	(1524)	**BFP42**	166	(0.74)	2.604	(66.14)	14	(0.06)	8	(0.03)
		BFP42A	461	(2.05)	1.491	(37.87)	74	(0.33)	48	(0.21)
72”	(1829)	**BFP42**	137	(0.61)	3.750	(95.25)	8	(0.03)	5	(0.02)
		BFP42A	383	(1.70)	2.148	(54.56)	49	(0.22)	31	(0.14)
96”	(2438)	**BFP42**	101	(0.45)	6.667	(169.34)	3	(0.01)	–	–
		BFP42A	284	(1.26)	3.818	(96.98)	24	(0.10)	14	(0.04)
120”	(3048)	**BFP42**	79	(0.35)	10.417	(264.59)	–	–	–	–
		BFP42A	224	(0.99)	5.966	(151.53)	11	(0.05)	5	(0.02)

BEAM LOADING DATA FOR GLASS REINFORCED VINYL ESTER RESIN

Beam Span		Part No.	Maximum Allowable Beam Load Load		Deflection @ Maximum Allowable Beam Load		Allowable Load @ Deflection =			
							1/240 Span		1/360 Span	
in.	mm		Lbs.	kN	in.	mm	Lbs.	kN	Lbs.	kN
12”	(305)	**BFV42**	988	(4.39)	0.112	(2.84)	440	(1.96)	293	(1.30)
		BFV42A	2865	(12.74)	0.063	(1.60)	2278	(10.13)	1518	(6.75)
24”	(609)	**BFV42**	493	(2.19)	0.448	(11.38)	109	(0.48)	73	(0.32)
		BFV42A	1431	(6.36)	0.252	(6.40)	568	(2.52)	378	(1.68)
36”	(914)	**BFV42**	328	(1.46)	1.009	(25.63)	48	(0.21)	31	(0.14)
		BFV42A	953	(4.24)	0.566	(14.37)	251	(1.11)	166	(0.74)
48”	(1219)	**BFV42**	245	(1.09)	1.793	(45.54)	26	(0.11)	16	(0.07)
		BFV42A	713	(3.17)	1.006	(25.55)	139	(0.62)	92	(0.41)
60”	(1524)	**BFV42**	195	(0.87)	2.802	(71.17)	15	(0.06)	9	(0.04)
		BFV42A	569	(2.53)	1.572	(39.93)	87	(0.38)	57	(0.25)
72”	(1829)	**BFV42**	162	(0.72)	4.035	(102.49)	9	(0.04)	5	(0.02)
		BFV42A	473	(2.10)	2.264	(57.50)	58	(0.26)	37	(0.16)
96”	(2438)	**BFV42**	120	(0.53)	7.173	(182.19)	3	(0.01)	1	(0.004)
		BFV42A	351	(1.56)	4.025	(102.23)	29	(0.13)	17	(0.07)
120”	(3048)	**BFV42**	94	(0.42)	11.207	(284.66)	–	–	–	–
		BFV42A	278	(1.23)	6.288	(159.71)	14	(0.06)	7	(0.03)

For all column loading and any beam span loading over 120" (3.05 m), contact inside sales.

Loading Information

Beam Loads:

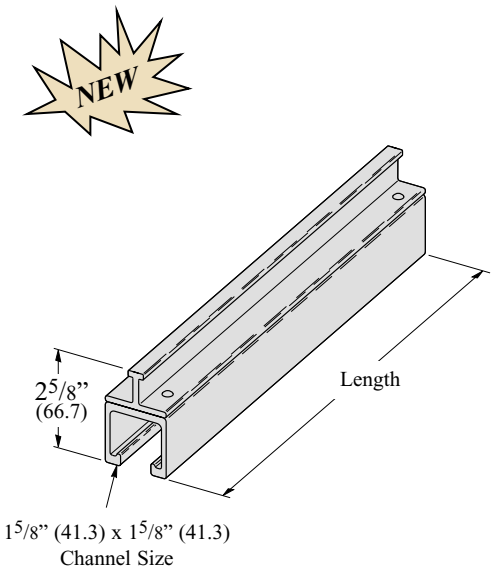
The above charts list the total allowable uniform load for various simple spans based on a minimum safety factor of 2. If the load is concentrated at center span, multiply the load from the above charts by 0.5 and the corresponding deflection by 0.8.

All beams should be supported in a manner to prevent rotation at supports. Long, deep beams should be tied between supports to prevent twist.

For channels with holes or slots use 90% of recommended load shown in channel loading chart.

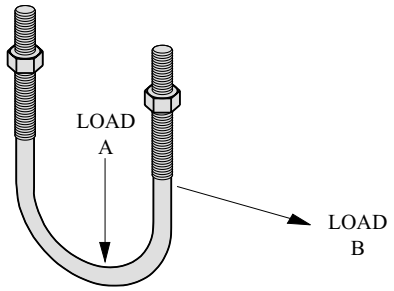
BFV22I
CONCRETE INSERTS

- Design Load 300 Lbs (1.47 kN)
- Safety Factor of 3
- Standard lengths: 6” (152),12” (305), 24” (609), 36” (914), 48” (1219), 60” (1524), 72” (1829, 84” (2133), 96” (2438), 108” (2743) and 120” (3048)
- Available Material:
  BFP - Polyester Resin
  BFV - Vinyl Ester Resin
- Shipped with removable styrofoam insert



BFV501 SERIES
U-BOLTS WITH HEX NUTS

- Design Load Safety Factor of 3
- Load A: Straight down loading
- Load B: Side loading
- Inner surface of U-Bolt is flat to provide additional contact surface area
- Material: Glass Reinforced Polyurethane



Part No.	Nominal Pipe Size in.	mm	Thread Size	Design Load A Lbs.	kN	Design Load B Lbs.	kN	Maximum Torque in.-Lbs.	N•m	Wt./C Lbs.	kg
BFV501-1/2	1/2	(15)	3/8”-16	300	(1.33)	150	(.67)	30	(3.4)	3.5	(1.59)
BFV501-3/4	3/4	(20)	3/8”-16	300	(1.33)	150	(.67)	30	(3.4)	3.9	(1.77)
BFV501-1	1	(25)	3/8”-16	300	(1.33)	150	(.67)	30	(3.4)	4.4	(1.99)
BFV501-1 1/4	1 1/4	(32)	3/8”-16	300	(1.33)	150	(.67)	30	(3.4)	4.8	(2.18)
BFV501-1 1/2	1 1/2	(40)	3/8”-16	300	(1.33)	150	(.67)	30	(3.4)	5.2	(2.36)
BFV501-2	2	(50)	1/2”-13	600	(2.67)	200	(.89)	60	(6.8)	7.7	(3.49)
BFV501-2 1/2	2 1/2	(65)	1/2”-13	600	(2.67)	200	(.89)	60	(6.8)	10.2	(4.63)
BFV501-3	3	(80)	1/2”-13	600	(2.67)	200	(.89)	60	(6.8)	12.6	(5.71)
BFV501-3 1/2	3 1/2	(90)	1/2”-13	600	(2.67)	200	(.89)	60	(6.8)	15.1	(6.85)
BFV501-4	4	(100)	1/2”-13	600	(2.67)	200	(.89)	60	(6.8)	17.6	(7.98)

Reference page 156 for general fitting and standard finish specifications.

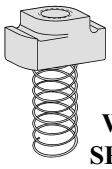
FIBERGLASS

B-Line

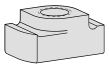
CHANNEL NUTS

- Design Load Safety Factor of 3
- Overall Nut Height 5/8" (15.9)
- Maximum torque and slip resistance loads shown are when using stainless steel bolts. When using fiberglass hardware use Max. Torque for fiberglass bolts, and multiply slip resistance loads by .14 for 3/8" and .60 for 1/2" thread size.
- Material: Glass Reinforced Polyurethane
- Spring Material: Zinc Plated Steel

NEW



WITH SPRING



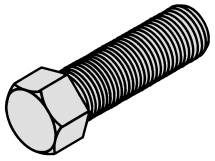
W/O (WITHOUT) SPRING

Part No. With Spring	Part No. W/O Spring	Thread Size	Pull-Out Lbs	Pull-Out kN	Slip Resistance Lbs.	Slip Resistance N	Max. Torque in.-Lbs.	Max. Torque N•m	Wt./C Lbs.	Wt./C kg
BFV-224	BFV-224WO	1/4"-20	300	(1.33)	150	(.67)	200	(22.6)	2.4	(1.09)
BFV-223	BFV-223WO	5/16"-18	300	(1.33)	150	(.67)	200	(22.6)	2.5	(1.13)
BFV-228	BFV-228WO	3/8"-16	300	(1.33)	150	(.67)	200	(22.6)	2.3	(1.04)
BFV-225	BFV-225WO	1/2"-13	300	(1.33)	150	(.67)	200	(22.6)	2.1	(0.95)

BFVHHCS
HEX HEAD CAP SCREWS

- Design Load Safety Factor of 3
- Material: Glass Reinforced Polyurethane

Part No.	Thread Size	Design Load (in tension) Lbs.	Design Load (in tension) kN	Max. Torque in.-Lbs.	Max. Torque N•m	Wt./C Lbs.	Wt./C kg
BFVHHCS 5/16 x 1	5/16"-18	190	(.84)	30	(3.4)	.4	(.18)
BFVHHCS 5/16 x 1 1/4	5/16"-18	190	(.84)	30	(3.4)	.5	(.23)
BFVHHCS 5/16 x 1 1/2	5/16"-18	190	(.84)	30	(3.4)	.6	(.27)
BFVHHCS 5/16 x 2	5/16"-18	190	(.84)	30	(3.4)	.8	(.36)
BFVHHCS 3/8 x 1	3/8"-16	300	(1.33)	45	(5.1)	.9	(.41)
BFVHHCS 3/8 x 1 1/4	3/8"-16	300	(1.33)	45	(5.1)	1.1	(.50)
BFVHHCS 3/8 x 1 1/2	3/8"-16	300	(1.33)	45	(5.1)	1.3	(.59)
BFVHHCS 3/8 x 2	3/8"-16	300	(1.33)	45	(5.1)	1.3	(.59)
BFVHHCS 3/8 x 2 1/2	3/8"-16	300	(1.33)	45	(5.1)	1.5	(.68)
BFVHHCS 1/2 x 1	1/2"-13	490	(2.18)	110	(12.4)	1.4	(.63)
BFVHHCS 1/2 x 1 1/4	1/2"-13	490	(2.18)	110	(12.4)	1.8	(.81)
BFVHHCS 1/2 x 1 1/2	1/2"-13	490	(2.18)	110	(12.4)	2.2	(1.00)
BFVHHCS 1/2 x 2	1/2"-13	490	(2.18)	110	(12.4)	3.0	(1.36)
BFVHHCS 1/2 x 2 1/2	1/2"-13	490	(2.18)	110	(12.4)	3.7	(1.68)
BFVHHCS 1/2 x 3	1/2"-13	490	(2.18)	110	(12.4)	4.5	(2.04)



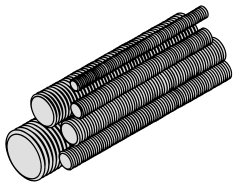
BFVHN
HEX NUTS

- 3/4" & 1" sizes are available. Contact inside sales for details
- Material: Glass Reinforced Polyurethane

Part No.	Thread Size	Nut Thickness in.	Nut Thickness mm	Wt./C Lbs.	Wt./C kg
BFVHN 5/16	5/16"-18	17/64	(6.7)	.2	(.09)
BFVHN 3/8	3/8"-16	21/64	(8.3)	.3	(.13)
BFVHN 1/2	1/2"-13	7/16	(11.1)	.7	(.32)
BFVHN 5/8	5/8"-11	35/64	(13.9)	1.4	(.63)

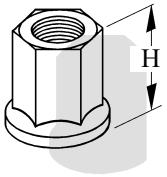
Reference page 156 for general fitting and standard finish specifications.

BFVATR
ALL THREADED ROD
- Design Load Safety Factor of 3
- Use ATR nuts in place of hex nuts with 3/8"-16 and 1/2"-13 threaded rod in order to obtain minimum required thread engagement of 17/32" (13.5) to obtain design load shown above.
- Material: Glass Reinforced Vinyl Ester



Part No.	Thread Size	Design Load (in tension) Lbs.	kN	Max. Torque in.-Lbs.	N•m	Wt./Ft. Lbs.	kg
BFVATR 5/16 x 48"	5/16"-18	265	(1.18)	30	(3.4)	.06	(.03)
BFVATR 3/8 x 48"	3/8"-16	425	(1.89)	45	(5.1)	.08	(.04)
BFVATR 1/2 x 48"	1/2"-13	750	(3.33)	110	(12.4)	.13	(.06)
BFVATR 5/8 x 48"	5/8"-11	950	(4.22)	230	(26.0)	.21	(.09)

BFVATRHN
THREADED ROD NUTS
- ATR Nut is required with 3/8"-16 and 1/2"-13 ATR to provide additional thread engagement which is critical to ATR load carrying capacity.
- Material: Glass Reinforced Polyurethane

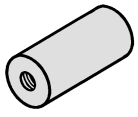


Part No.	Thread Size	H in.	mm	Wt./C Lbs.	kg
BFVATRHN 3/8	3/8"-16	3/4	(19)	.8	(.36)
BFVATRHN 1/2	1/2"-13	7/8	(22)	1.7	(.77)

BFVFW
FLAT WASHERS
- Material: PVC

Part No.	Hole Size in.	Wt./C Lbs.	kg
BFVFW 3/8	3/8	.5	(.22)
BFVFW 1/2	1/2	.5	(.22)
BFVFW 5/8	5/8	.5	(.22)
BFVFW 3/4	3/8	.5	(.22)
BFVFW 1	1	.5	(.22)

BFV655 SERIES
ROD COUPLINGS
- Material: Glass Reinforced Polyurethane

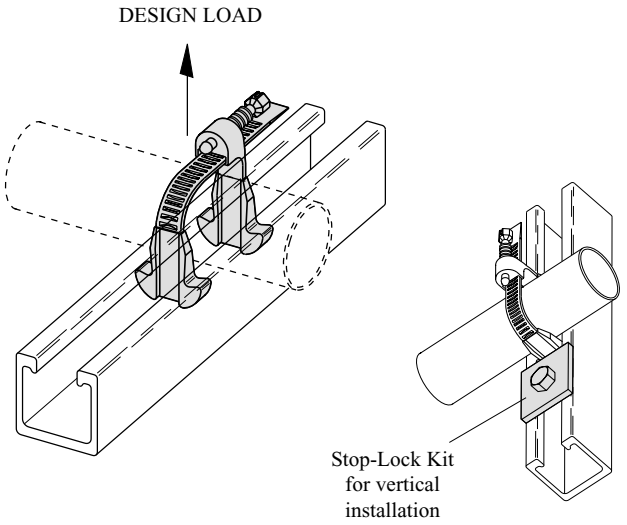


Part No.	Thread Size	Wt./C Lbs.	kg
BFV655-3/8	3/8"-16	7.4	(3.35)
BFV655-1/2	1/2"-13	11.3	(5.12)
BFV655-5/8	5/8"-11	16.7	(7.57)

Reference page 156 for general fitting and standard finish specifications.

BFV100 thru BFV300
ADJUSTABLE PIPE CLAMPS

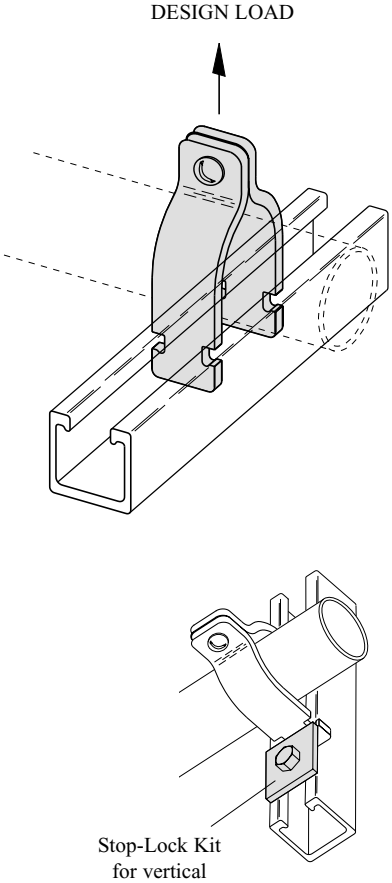
- Completely Non-Metallic
- Adjustable to U.S. & Metric Pipe Diameters
- Fits Pipe Sizes 1/2" (15) to 3 1/4" (83)
- Easy To Install
- No Special Tools Required
- Design Load Safety Factor of 3
- Material: Glass Reinforced Polyurethane
- For stainless steel hardware add suffix SS6 to part number
- Not recommended for vertical installation without additional Stop-Lock Kit. Kit includes one square washer, channel nut and hex head cap screw. Order (Stop-Lock Kit) BFVSL-3/8 for 3/8"-16 hardware or BFVSL-1/2 for 1/2"-13 hardware. Mount kit below clamp when used in vertical strut to prevent clamp slipping.



Part No.	Nominal Pipe Sizes in.	mm	Pipe O.D. Range in.	mm	Design Load Lbs.	kN	Max. Torque in.-Lbs.	N•m
BFV100	1/2 - 1 1/2	(15- 40)	.75 - 1.90	(21.3 - 48.3)	135	(.60)	10	(1.13)
BFV200	1 1/2 - 2 1/4	(40 - 57)	1.90 - 2.37	(48.3 - 60.3)	135	(.60)	36	(4.07)
BFV300	2 1/4 - 3 1/4	(57 - 83)	2.87 - 3.50	(73.0 - 88.9)	145	(.64)	36	(4.07)

BFV2000 SERIES
NON-METALLIC PIPE CLAMPS

- For rigid and PVC conduit.
- Standard hardware includes slotted round head machine screw and square nut in 316 stainless steel
- Design Load Safety Factor of 3
- Material: Glass Reinforced PPO
- For stainless steel hardware add suffix SS6 to part number.
- Not recommended for vertical installation without additional Stop-Lock Kit. Kit includes one square washer, channel nut and hex head cap screw. Order (Stop-Lock Kit) BFVSL-3/8 for 3/8"-16 hardware or BFVSL-1/2 for 1/2"-13 hardware. Mount kit below clamp when used in vertical strut to prevent clamp slipping.
- *If non-metallic hardware is required, add N to the part number.* ***Example: BFV2008N***

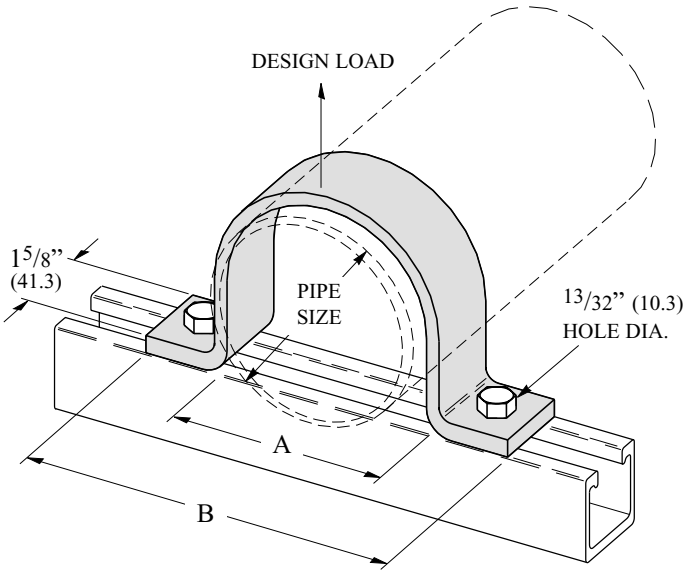


Part No.	Nominal Pipe Size in.	mm	Design Load Lbs.	kN	Maximum Torque in.-Lbs.	N•m
BFV2008	1/2	(15)	300	(1.33)	10	(1.13)
BFV2009	3/4	(20)	300	(1.33)	10	(1.13)
BFV2010	1	(25)	300	(1.33)	30	(3.4)
BFV2011	1 1/4	(32)	300	(1.33)	30	(3.4)
BFV2012	1 1/2	(40)	300	(1.33)	30	(3.4)
BFV2013	2	(50)	300	(1.33)	60	(6.8)
BFV2014	2 1/2	(65)	300	(1.33)	60	(6.8)
BFV2015	3	(80)	300	(1.33)	60	(6.8)
BFV2016	3 1/2	(90)	300	(1.33)	60	(6.8)
BFV2017	4	(100)	300	(1.33)	60	(6.8)
BFV2019	5	(125)	300	(1.33)	60	(6.8)
BFV2020	6	(150)	300	(1.33)	60	(6.8)

Reference page 156 for general fitting and standard finish specifications.

BFV2400 SERIES
2-HOLE PIPE CLAMPS
•Design Load Safety Factor of 3
•Material: Glass Reinforced Polyurethane

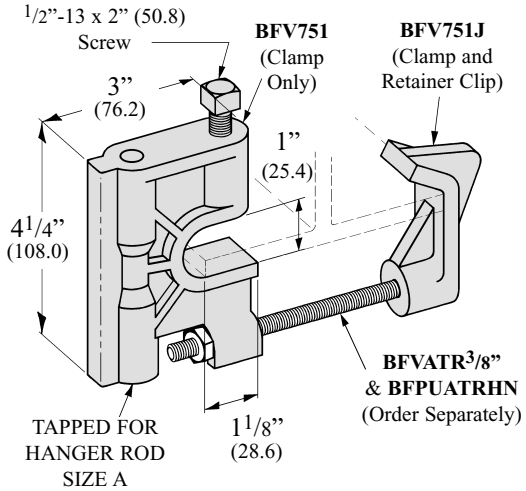
NEW



Part No.	Nominal Pipe Size in.	mm	A in.	mm	B in.	mm	Design Load Lbs.	kN
BFV2400-2	2	(50)	2 3/8	(60)	5 1/2	(140)	115	(0.51)
BFV2400-3	3	(80)	3 1/2	(89)	6 3/4	(171)	130	(0.58)
BFV2400-4	4	(100)	4 1/2	(114)	7 3/4	(197)	150	(0.66)
BFV2400-6	6	(150)	6 5/8	(168)	10	(254)	150	(0.66)

BFV751 & BFV751J
BEAM CLAMP
•Design Load Safety Factor of 3
•BFV751J (clip included) must be used when installed on tapered flange beams.
•Material: Glass Reinforced Polyurethane
•Setscrew material: Stainless Steel 316 ASTM F593 Group 2, S4

NEW



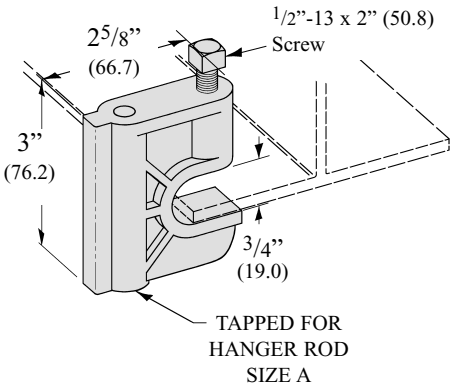
Part No.	For Hanger Rod Size A	Design Load Lbs.	kN	Torque ft.-Lbs.	N•m
BFV751-3/8	3/8"-16	500	(2.22)	10	(13)
BFV751J-3/8	3/8"-16	500	(2.22)	10	(13)
BFV751-1/2	1/2"-13	500	(2.22)	10	(13)
BFV751J-1/2	1/2"-13	500	(2.22)	10	(13)
BFV751-5/8	5/8"-11	500	(2.22)	10	(13)
BFV751J-5/8	5/8"-11	500	(2.22)	10	(13)

Reference page 156 for general fitting and standard finish specifications.

BFV755
BEAM CLAMP

- Design Load Safety Factor of 3
- Material: Glass Reinforced Polyurethane
- Setscrew material: Stainless Steel 316 ASTM F593 Group 2, S4

NEW

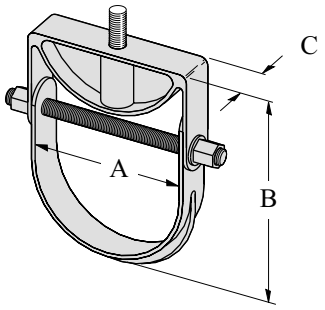


Part No.	For Hanger Rod Size A	Design Load Lbs.	kN	Torque ft.-Lbs.	N•m
BFV755-3/8	3/8"-16	400	(1.78)	10	(13)
BFV755-1/2	1/2"-13	400	(1.78)	10	(13)

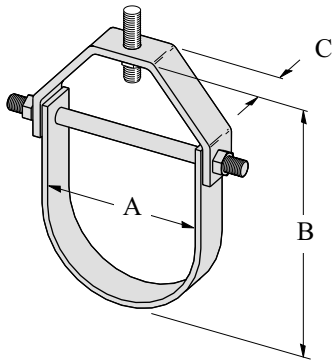
BFV3104 SERIES
CLEVIS HANGERS

- Design Load Safety Factor of 3 at 120°F (49°C).
- Insulation may be required at higher temperatures.
- Order hanger rod and nuts separately.
- Material: Glass Reinforced Polyurethane For BFV3104-1 thru BFV3104-6
- Material: Glass Reinforced Polyester & Vinyl Ester For BFV3104-8 thru BFV3104-12

NEW



BFV3104-1 thru BFV3104-6



BFV3104-8 thru BFV3104-12

Part No.	Nominal Pipe Size in.	mm	A in.	mm	B in.	mm	C in.	mm	Hanger Rod Size	Design Load Lbs.	kN
BFV3104-1	1	(50)	1 1/2	(38)	4 1/4	(108)	1 1/4	(32)	1/2"-13	670	(2.98)
BFV3104-1 1/2	1 1/2	(65)	2	(51)	5 1/8	(130)	1 1/4	(32)	1/2"-13	670	(2.98)
BFV3104-2	2	(50)	2 1/2	(63)	6 1/2	(165)	1 1/4	(32)	1/2"-13	730	(3.25)
BFV3104-2 1/2	2 1/2	(65)	5 1/8	(130)	10	(254)	1 1/2	(38)	1/2"-13	1150	(5.11)
BFV3104-3	3	(80)	5 1/8	(130)	10	(254)	1 1/2	(38)	1/2"-13	1150	(5.11)
BFV3104-4	4	(100)	5 1/8	(130)	10	(254)	1 1/2	(38)	1/2"-13	1150	(5.11)
BFV3104-6	6	(150)	6 3/4	(171)	12 5/16	(313)	2	(51)	1/2"-13	1170	(5.20)

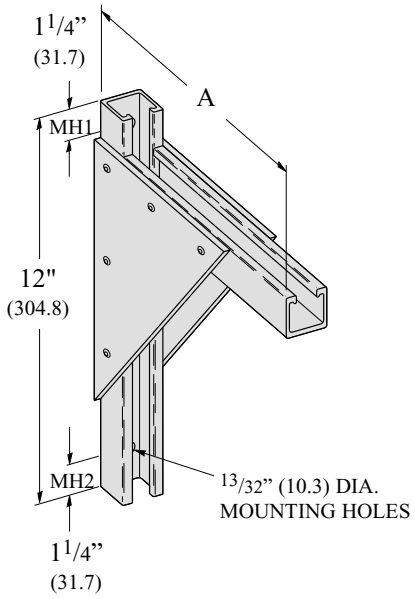
Part No.	Nominal Pipe Size in.	mm	A in.	mm	B in.	mm	C in.	mm	Hanger Rod Size	Design Load Lbs.	kN
BF*3104-8	8	(200)	9 1/4	(235)	16 5/8	(422)	3	(76)	5/8"-11	350	(1.55)
BF*3104-10	10	(250)	11 3/8	(289)	19 7/8	(505)	4	(101)	5/8"-11	450	(2.01)
BF*3104-12	12	(300)	13 1/2	(343)	22 3/8	(568)	5	(127)	5/8"-11	600	(2.69)

*Specify P for polyester or V for Vinyl ester.

Reference page 156 for general fitting and standard finish specifications.

BF*409 SERIES
BRACKETS 6” (152) TO 24” (609) LONG

•Design Load Safety Factor of 3 based on uniform loading
•MH1 - From Top of Bracket to center of Mounting Hole
•MH2 - From Bottom of Bracket to center of Mounting Hole

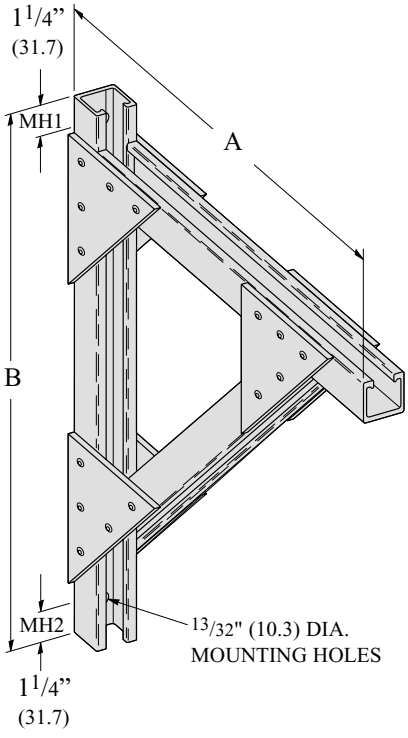


Part No.	A		Design Load	
	in.	mm	Lbs.	kN
BF*409-6	10	(250)	1400	(6.22)
BF*409-9	13	(330)	1000	(4.45)
BF*409-12	16	(406)	800	(3.56)
BF*409-18	22	(559)	675	(3.00)
BF*409-24	28	(711)	450	(2.00)

* Insert P for Glass Reinforced Polyester Resin or V for Glass Reinforced Vinyl Ester Resin

BF*494 SERIES
BRACKETS 24” (609) TO 36” (914) LONG

•Design Load Safety Factor of 3 based on uniform loading
•MH1 - From Top of Bracket to center of Mounting Hole
•MH2 - From Bottom of Bracket to center of Mounting Hole
•Material: Glass Reinforced Vinyl Ester or Polyester

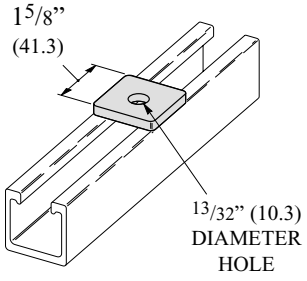


Part No.	A		B		Design Load	
	in.	mm	in.	mm	Lbs.	kN
BF*494-24	28	(711)	23	(584)	750	(3.33)
BF*494-30	34	(863)	26	(660)	750	(3.33)
BF*494-36	40	(1016)	29	(736)	750	(3.33)

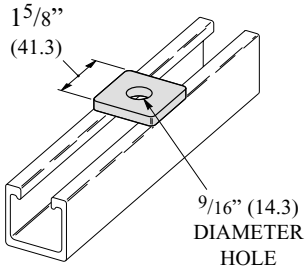
* Insert P for Glass Reinforced Polyester Resin or V for Glass Reinforced Vinyl Ester Resin

Reference page 156 for general fitting and standard finish specifications.

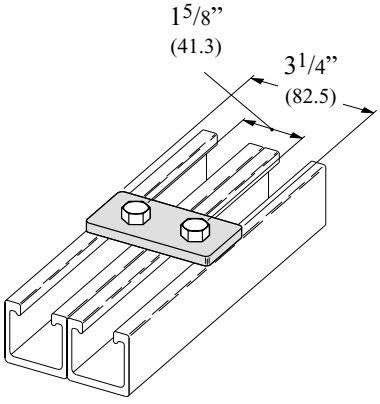
BFV201
SQUARE WASHER FOR 3/8" BOLT
- Material: Injection Molded Glass Reinforced Polyurethane



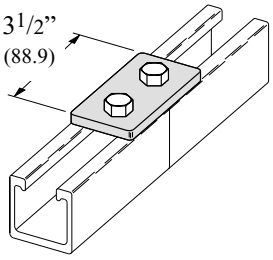
BFV202
SQUARE WASHER FOR 1/2" BOLT
- Material: Injection Molded Glass Reinforced Polyurethane



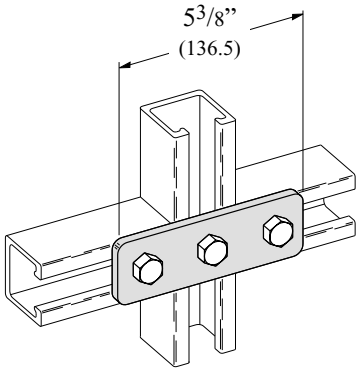
BFV340
2-HOLE FLAT PLATE
- Material: Injection Molded Glass Reinforced Polyurethane



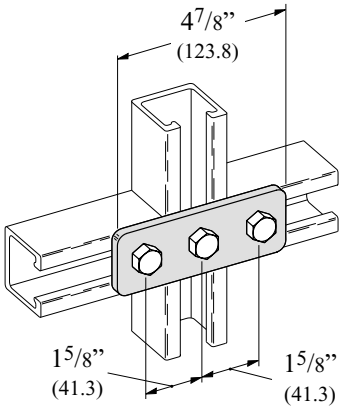
BFV129
2-HOLE SPLICE PLATE
- Material: Injection Molded Glass Reinforced Polyurethane



BFV141
3-HOLE FLAT PLATE
- Material: Injection Molded Glass Reinforced Polyurethane

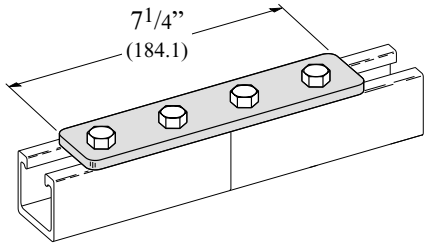


BFV557
3-HOLE FLAT PLATE
- Material: Injection Molded Glass Reinforced Polyurethane

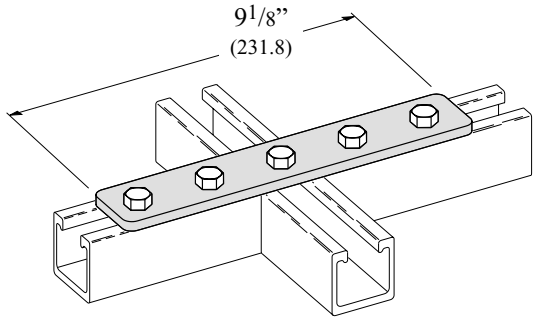


Reference page 156 for general fitting and standard finish specifications.

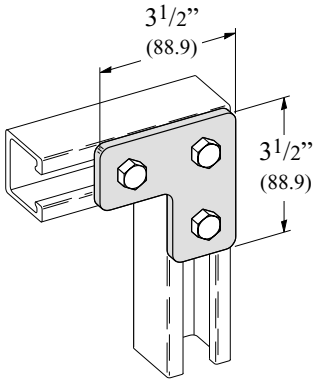
BFV341
4-HOLE SPLICE PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



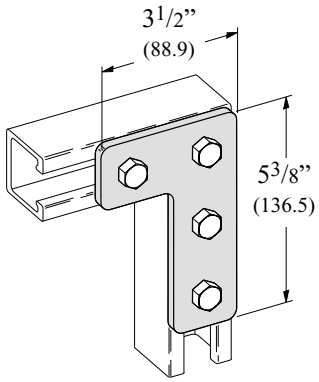
BFV342
5-HOLE FLAT PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



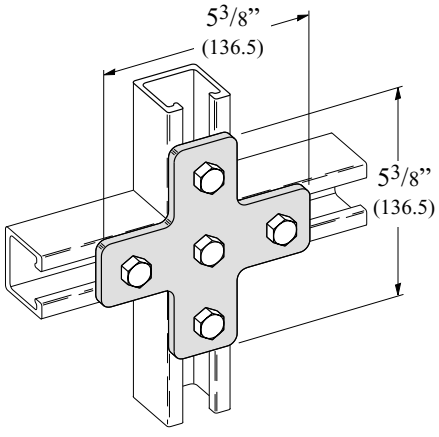
BFV140
3-HOLE FLAT CORNER PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



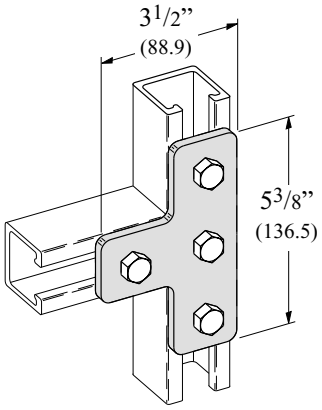
BFV143
4-HOLE FLAT CORNER PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



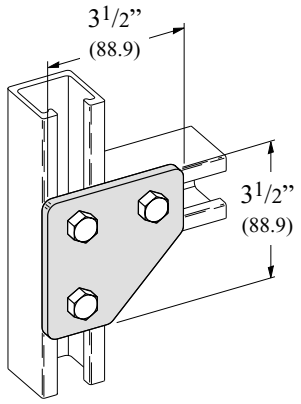
BFV132
5-HOLE FLAT CROSS PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



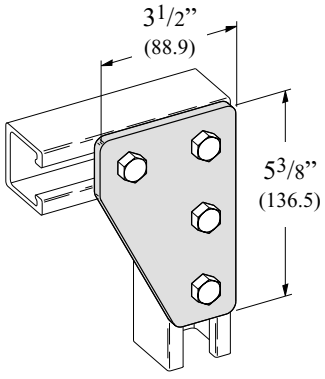
BFV133
4-HOLE FLAT TEE PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



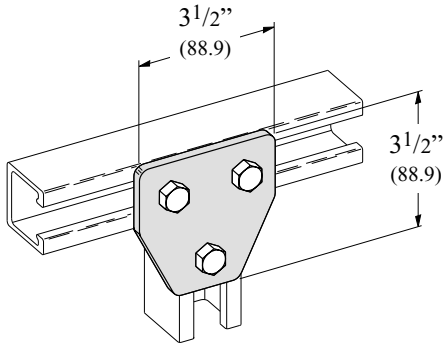
BFV135
3-HOLE FLAT GUSSET CORNER PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



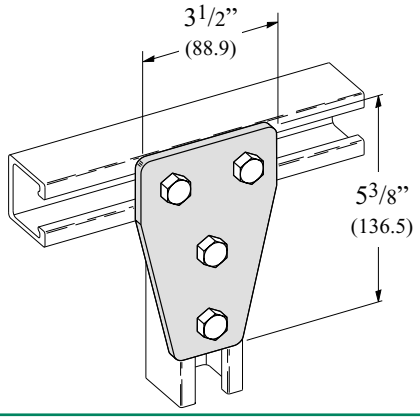
BFV142
4-HOLE FLAT GUSSET CORNER PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



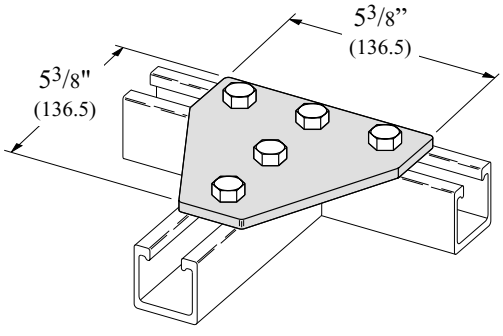
BFV337
3-HOLE FLAT GUSSET TEE PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



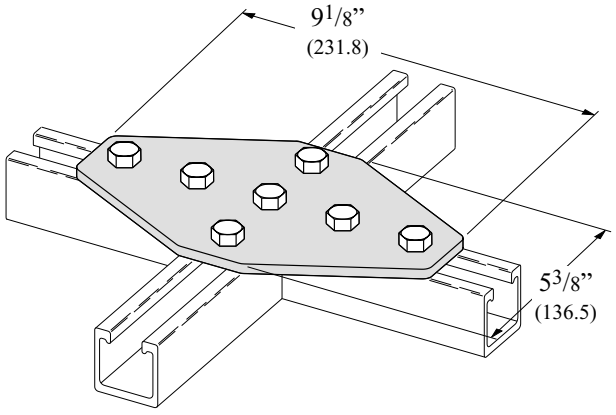
BFV136
4-HOLE FLAT GUSSET TEE PLATE
•Material: Injection Molded Glass Reinforced Polyurethane



BFV532
5-HOLE FLAT GUSSET TEE PLATE
•Material: Injection Molded Glass Reinforced Polyurethane

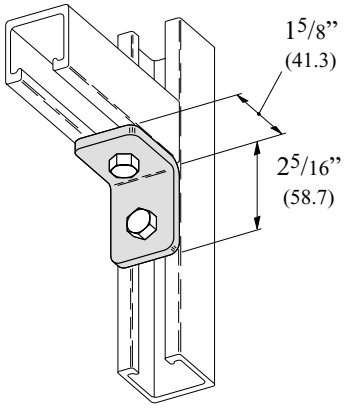


BFV334
7-HOLE FLAT GUSSET CROSS PLATE
•Material: Injection Molded Glass Reinforced Polyurethane

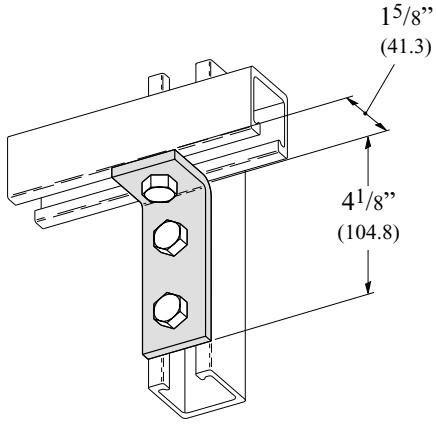


Reference page 156 for general fitting and standard finish specifications.

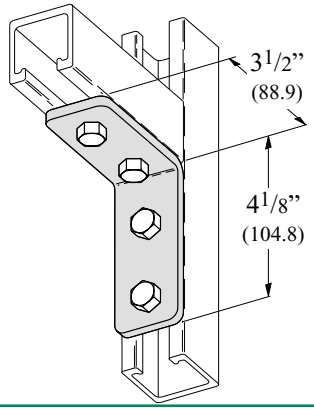
BFV101
2-HOLE 90° CORNER ANGLE
•Material: Injection Molded Glass Reinforced Polyurethane



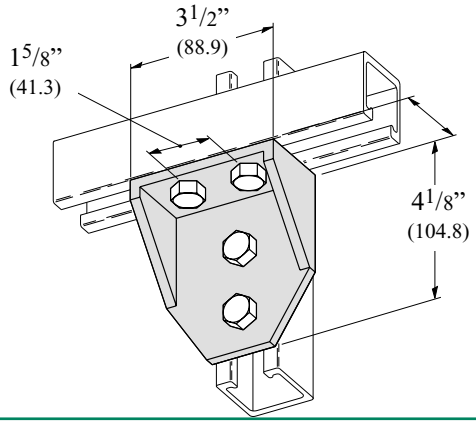
BFV103
3-HOLE 90° CORNER ANGLE
•Material: Injection Molded Glass Reinforced Polyurethane



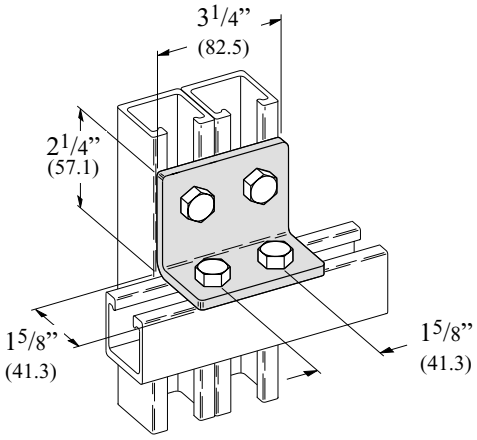
BFV104
4-HOLE 90° CORNER ANGLE
•Material: Injection Molded Glass Reinforced Polyurethane



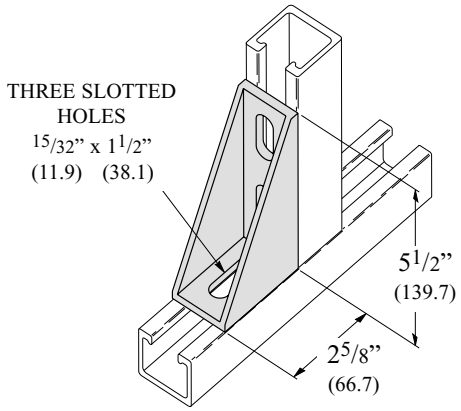
BFV118
4-HOLE 90° GUSSETTED SHELF ANGLE
•Material: Injection Molded Glass Reinforced Polyurethane



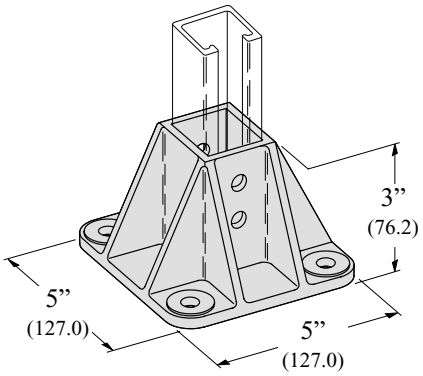
BFV558
4-HOLE 90° CORNER ANGLE
•Material: Injection Molded Glass Reinforced Polyurethane



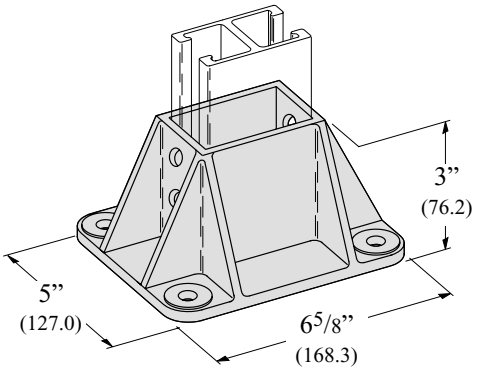
BFP371-2G
3-HOLE 90° GUSSETTED CORNER ANGLE
•Material: Injection Molded Glass Reinforced Polyurethane



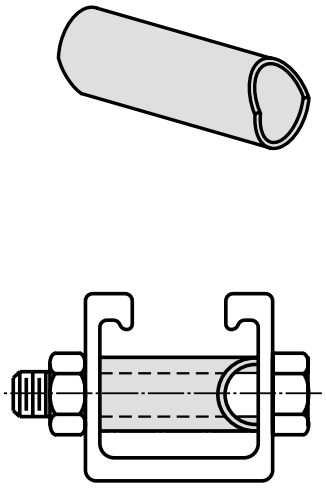
BFP280SQ - POLYPROPYLENE MATERIAL
BFV280SQ - POLYURETHANE MATERIAL
POST BASE FOR BF∗22



BFP281SQ
POST BASE FOR BF∗22A
•Material: Glass Reinforced Polyester

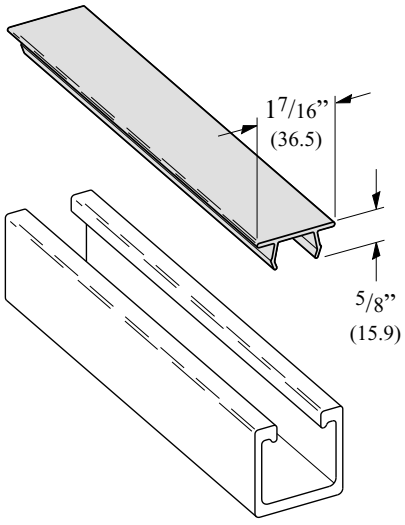


BFV650
CHANNEL SPACER
•Spacer I.D. accommodates 3/8" rod or bolts.
•Material: Glass Reinforced PVC



Used when attaching fittings to side walls of channel. This channel spacer prevents wall compression in heavy load conditions.

B217P
PLASTIC CLOSURE STRIP
•Available in 10 Ft. (3.05 m) lengths.
•Material: PVC



Reference page 156 for general fitting and standard finish specifications.

CHANNEL RESIN INFORMATION

B-Line offers two fire retardant (FR) resins for strut systems, polyester and vinyl ester. Both resins are ideal for corrosive environments.
While polyester is sufficient for most uses, vinyl ester is suitable for a broader range of environments.
Please refer to the "Corrosion Resistance Guide" below for specific applications.

Corrosion Resistance Guide					
Chemicals	70°F (21°C)	160°F (71°C)	Chemicals	70°F (21°C)	160°F (71°C)
Acetic acid 5%	BFP/BFV	BFP/BFV	Methyl alcohol 10%	BFP/BFV	BFV-150° **
Acetic acid 52%	BFP/BFV	BFV-210° **	Naphtha	BFP/BFV	BFP/BFV
Aluminum potassium sulfate 5%	BFP/BFV	BFP/BFV	Nitric acid 5%	BFP/BFV	BFP/BFV
Ammonium hydroxide 10%	BFP/BFV	BFV-150° **	Nitric acid 20%	BFV	BFV-120° **
Ammonium nitrate	BFP/BFV	BFP/BFV	Phosphoric acid 10%	BFP/BFV	BFP/BFV
Benzene sulfonic acid 5%	BFP/BFV	BFP/BFV	Phosphoric acid 30%	BFP/BFV	BFP/BFV
Calcium chloride	BFP/BFV	BFP/BFV	Phosphoric acid 85%	BFP/BFV	BFP/BFV
Carbon tetrachloride	BFV	BFV-100° **	Sodium bicarbonate 10%	BFP/BFV	BFP/BFV
Chlorine dioxide 15%	BFP/BFV	BFV-150° **	Sodium bisulfate	BFP/BFV	BFP/BFV
Chromic acid 5%	BFV	BFV-150° **	Sodium carbonate	BFP/BFV	BFV
Copper sulfate	BFP/BFV	BFP/BFV	Sodium chloride	BFP/BFV	BFP/BFV
Diesel fuel	BFP/BFV	BFV	Sodium hydroxide 1-50%	BFV	BFV-120° **
Ethylene glycol	BFP/BFV	BFP/BFV	Sodium hypochlorite 5%	BFP/BFV	BFV-120° **
Fatty acids 100%	BFP/BFV	BFP/BFV	Sodium nitrate	BFP/BFV	BFP/BFV
Ferrous sulfate	BFP/BFV	BFP/BFV	Sodium silicate	BFP/BFV	BFV-210° **
Fluosilicic acid 0-20%	BFV	BFV	Sodium sulfate	BFP/BFV	BFP/BFV
Gasoline	BFP/BFV	BFV	Sulfuric acid 0-30%	BFP/BFV	BFP/BFV
Hydrochloric acid 1%	BFP/BFV	BFP/BFV	Sulfuric acid 30-50%	BFV	BFV
Hydrochloric acid 15%	BFP/BFV	BFV-180° **	Sulfuric acid 50-70%	BFV	BFV-180° **
Hydrochloric acid 37%	BFP/BFV	BFV-150° **	Trisodium phosphate 25%	BFP/BFV	BFV-210° **
Kerosene	BFP/BFV	BFP/BFV	Trisodium phosphate-All	BFV	BFV-210° **
Magnesium chloride	BFP/BFV	BFP/BFV	Water, Distilled	BFP/BFV	BFP/BFV

BFP - BFP parts recommended BFV - BFV parts recommended ** - Not recommended to exceed this temperature

Information contained in this chart is based on data from raw material suppliers.

Temperatures are not the minimum nor the maximum (except where specifically stated) but represent standard test conditions. The products may be suitable at higher temperatures but individual test data should be required to establish suitability.

The recommendations or suggestions contained in this chart are made without guarantee or representation as to results. We suggest that you evaluate the recommendations and suggestions in your own laboratory or actual field trial prior to use.

Recommended Guideline:

Temperature	Design Load Multiplier
75°F (24°C)	100%
100°F (38°C)	90%
125°F (52°C)	78%
150°F (66°C)	68%
175°F (79°C)	60%
200°F (93°C)	52%

Flame Retardant Properties	BFP	BFV
Flame Resistance (FTMS 406-2023) ign/burn, seconds	75/75	75/75
Intermittent Flame Test (HLT-15), rating	100	100
Flammability Test (ASTM D635) Ignition Burning Time	 none 0 sec.	 none 0 sec.
Surface Burning Characteristics (ASTM E84), Flame spread index	25	25
UL 94 Flame Class	V-0	V-0

MINI CHANNEL & FITTINGS

B-Line's mini channels and fittings provide for an economical method of supporting light load requirements on a metal framing system.

Channel

Channels are cold formed on our modern rolling mills from 18 Ga. (1.2 mm) low carbon steel strips plain steel (ASTM A 611 Grade C) and pre-galvanized steel strips, (ASTM A653 SS Grade 33). A continuous slot with inturned lips provides the ability to make attachments at any point. Channel combinations are made with new state of the art, high-tech welding equipment.

Lengths

Standard lengths are 10' (3.05 m) and 20' (6.09 m) for B62 series, and 10' (3.05 m) for B72 series. Custom lengths are available.

Fittings

Mini fittings are formed from hot rolled pickled and oiled strip or sheet steel (ASTM A 607 Grade 50). The following dimensions apply to all fittings except as noted on the drawings:

Hole Size–9/32" (7.14 mm) Dia.
Hole Spacing–13/32" (10.3 mm) from end and 1 1/16" (27.0 mm) on center.
Width–13/16" (20.6 mm)
Thickness–1/8" (3.2 mm)

Materials & Finishes*

Finish Code	Finish	Specification
PLN	Plain	ASTM A607 Gr. 50
ZN	Electro-Plated Zinc	ASTM B633 SC3 Type II
GRN	Dura-Green	TT-C-490B
GALV	Pre-Galvanized	ASTM A653 SS Gr. 33
HDG	Hot-Dipped Galvanized	ASTM A123

*Unless otherwise noted.

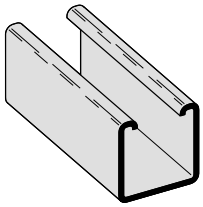
Metric

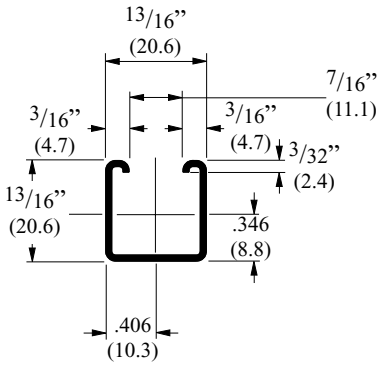
Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

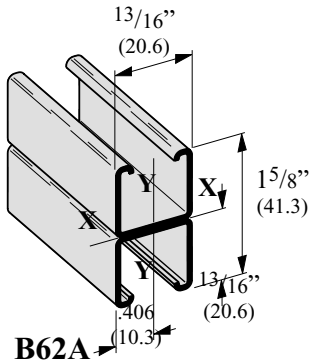
B62 CHANNEL

B-Line

- Thickness: 18 Ga. (1.2 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized
- Weight: .42 Lbs./Ft. (.62 kg/m)







B62A
Wt. .84 Lbs./Ft. (1.25 kg/m)

SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B62	.420	(.62)	.123	(.80)	.0103	(.43)	.0221	(.36)	.289	(.73)	.0134	(.56)	.0330	(.54)	.330	(.84)
B62A	.839	(1.25)	.247	(1.59)	.0500	(2.08)	.0616	(1.01)	.450	(1.14)	.0269	(1.12)	.0663	(1.09)	.330	(.84)

Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	**B62** **B62A**	364 420*	(1619.1) (1868.2)	.027 .006	(.68) (.15)	364 420*	(1619.1) (1868.2)	364 420*	(1619.1) (1868.2)
24	(609)	**B62** **B62A**	182 420*	(809.6) (1868.2)	.109 .051	(2.77) (1.29)	167 420*	(742.8) (1868.2)	111 420*	(493.7) (1868.2)
36	(914)	**B62** **B62A**	121 341	(538.2) (1516.8)	.245 .141	(6.22) (3.58)	74 341	(329.1) (1516.8)	50 242	(222.4) (1076.4)
48	(1219)	**B62** **B62A**	91 256	(404.8) (1138.7)	.436 .250	(11.07) (6.35)	42 204	(186.8) (907.4)	28 136	(124.5) (604.9)
60	(1524)	**B62** **B62A**	73 205	(324.7) (911.9)	.681 .391	(17.30) (9.93)	27 131	(120.1) (582.7)	18 87	(80.0) (387.0)
72	(1829)	**B62** **B62A**	61 170	(271.3) (756.2)	.981 .563	(24.92) (14.30)	19 91	(84.5) (404.8)	12 61	(53.4) (271.3)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	**B62** **B62A**	2052 4666	(9127.7) (20755.4)	820 1449	(3647) (6445)	2161 4710	(9612.6) (20951.1)	1890 4593	(8407.1) (20430.7)	1715 4503	(7628.7) (20030.3)
24	(609)	**B62** **B62A**	1350 4275	(6005.1) (19016.1)	645 1367	(2869) (6081)	1624 4453	(7223.9) (19807.9)	1020 3982	(4537.2) (17712.8)	818 3624	(3638.6) (16120.3)
36	(914)	**B62** **B62A**	818 3624	(3638.6) (16120.3)	471 847	(2095) (3767)	1053 4023	(4684.0) (17895.2)	633 2965	(2815.7) (13189.0)	515 2179	(2290.8) (9692.7)
48	(1219)	**B62** **B62A**	589 2713	(2620.0) (12068.0)	369 504	(1641) (2242)	745 3421	(3313.9) (15217.3)	456 1765	(2028.4) (7851.1)	365** 1225	(1623.6) (5449.1)
60	(1524)	**B62** **B62A**	456 1765	(2028.4) (7851.1)	300 323	(1334) (1437)	579 2647	(2575.5) (11774.4)	347** 1129	(1543.5) (5022.0)	271** 784**	(1205.4) (3487.4)
72	(1829)	**B62** **B62A**	365** 1225	(1623.6) (5449.1)	248 224	(1103) (996)	470 1856	(2090.6) (8255.9)	271** 784**	(1205.4) (3487.4)	– 545**	– (2424.3)

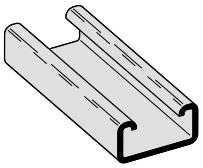
**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

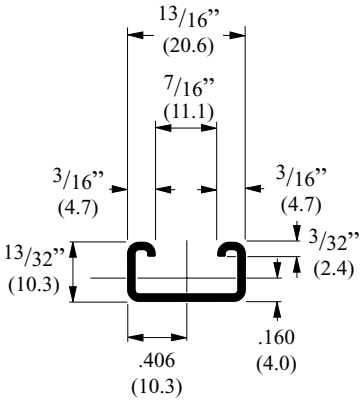
Reference page 174 for general fitting and standard finish specifications.

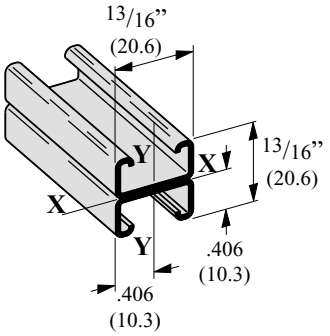
B72 CHANNEL

B-Line

- Thickness: 18 Ga. (1.2 mm)
- Standard lengths: 10' (3.05 m) & 20' (6.09 m)
- Standard finishes: Plain, Dura-Green, Pre-Galvanized
- Weight: .29 Lbs./Ft. (.43 kg/m)







B72A
Wt. .58 Lbs./Ft. (.87 kg/m)

SECTION PROPERTIES

Channel	Weight lbs./ft.	Weight kg/m	Areas of Section sq. in.	Areas of Section cm^2	X - X Axis: Moment of Inertia (I) $in.^4$	X - X Axis: Moment of Inertia (I) cm^4	X - X Axis: Section Modulus (S) $in.^3$	X - X Axis: Section Modulus (S) cm^3	X - X Axis: Radius of Gyration (r) in.	X - X Axis: Radius of Gyration (r) cm	Y - Y Axis: Moment of Inertia (I) $in.^4$	Y - Y Axis: Moment of Inertia (I) cm^4	Y - Y Axis: Section Modulus (S) $in.^3$	Y - Y Axis: Section Modulus (S) cm^3	Y - Y Axis: Radius of Gyration (r) in.	Y - Y Axis: Radius of Gyration (r) cm
B72	.287	(.43)	.084	(.54)	.0018	(.07)	.0073	(.12)	.146	(.37)	.0077	(.32)	.0190	(.31)	.302	(.77)
B72A	.574	(.85)	.169	(1.09)	.0078	(.32)	.0192	(.31)	.215	(.55)	.0155	(.65)	.0382	(.63)	.303	(.77)

Calculations of section properties are based on metal thicknesses as determined by the AISI Cold-Formed Steel Design Manual.

BEAM LOADING

Beam Span In.	Beam Span mm	Channel Style	Uniform Load and Deflection Lbs.	Uniform Load and Deflection N	Uniform Load and Deflection In.	Uniform Load and Deflection mm	Uniform Load @ Deflection = 1/240 Span Lbs.	Uniform Load @ Deflection = 1/240 Span N	Uniform Load @ Deflection = 1/360 Span Lbs.	Uniform Load @ Deflection = 1/360 Span N
12	(305)	**B72** **B72A**	116 210*	(516.0) (934.1)	.051 .020	(1.29) (.51)	113 210*	(502.6) (934.1)	75 210*	(324.7) (934.1)
24	(609)	**B72** **B72A**	58 159	(258.0) (707.2)	.206 .125	(5.23) (3.17)	28 127	(124.5) (564.9)	19 85	(84.5) (378.1)
36	(914)	**B72** **B72A**	39 106	(173.5) (471.5)	.465 .281	(11.81) (7.14)	13 57	(57.8) (253.5)	8 38	(35.6) (169.0)
48	(1219)	**B72** **B72A**	29 80	(129.0) (355.8)	.827 .500	(21.00) (12.70)	7 32	(31.1) (142.3)	5 21	(22.2) (93.4)
60	(1524)	**B72** **B72A**	23 64	(102.3) (284.7)	1.292 .782	(32.81) (19.86)	5 20	(22.2) (88.9)	3 14	(13.3) (62.3)

Based on simple beam condition using an allowable design stress of 25,000 psi (172 MPa) in accordance with MFMA, with adequate lateral bracing (see page 11 for further explanation). Actual yield point of cold rolled steel is 42,000 psi. To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8. *Failure determined by weld shear.

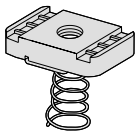
COLUMN LOADING

Unbraced Height In.	Unbraced Height mm	Channel Style	Max. Column Loading K = .80 Loaded@ C.G. Lbs.	Max. Column Loading K = .80 Loaded@ C.G. N	Max. Column Loading K = .80 Loaded@ Slot Face Lbs.	Max. Column Loading K = .80 Loaded@ Slot Face N	Max. Column Loading (Loaded @ C.G.) K = .65 Lbs.	K = .65 N	K = 1.0 Lbs.	K = 1.0 N	K = 1.2 Lbs.	K = 1.2 N
12	(305)	**B72** **B72A**	1598 3600	(7108) (16013)	539 986	(2397) (4386)	1712 3700	(7615) (16458)	1410 3433	(6272) (15271)	1181 3229	(5253) (14363)
24	(609)	**B72** **B72A**	701 2710	(3118) (12054)	320 802	(1423) (3567)	1050 3113	(4670) (13847)	450 2043	(2001) (9088)	313** 1421	(1392) (6321)
36	(914)	**B72** **B72A**	313** 1421	(1392) (6321)	188 569	(836) (2531)	473 2135	(2104) (9497)	201** 909	(894) (4043)	– 631**	– (2807)
48	(1219)	**B72** **B72A**	177** 799	(787) (3554)	122 404	(542) (1797)	267** 1211	(1187) (5387)	– 512**	– (2277)	– 355**	– (1579)
60	(1524)	**B72** **B72A**	113** 512**	(502) (2277)	85 298	(378) (1325)	171** 775	(760) (3447)	– 327**	– (1454)	– –	– –

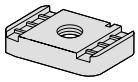
**Where the slenderness ratio $\frac{KL}{r}$ exceeds 200, and K = end fixity factor, L = actual length and r = radius of gyration.

Reference page 174 for general fitting and standard finish specifications.

NUTS FOR B62, B72 CHANNEL



SPRING NUT

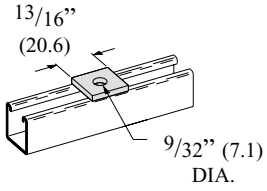


NUT WITHOUT SPRING

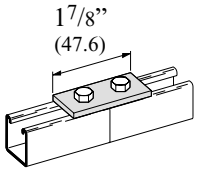
Part Number				Thread Size	Thickness		Wt./C	
B62		B72						
With Spring	Without Spring	With Spring	Without Spring				Lbs.	kg
N621	N621WO	N7221	N621WO	#8-32	.150	(3.81)	1.0	(.45)
N622	N622WO	N7222	N622WO	#10-24	.150	(3.81)	1.0	(.45)
N627	N627WO	N7227	N627WO	#10-32	.150	(3.81)	1.0	(.45)
N624	N624WO	N7224	N624WO	1/4-20	.150	(3.81)	1.0	(.45)
N2M03L	N2M03WO	N2M03S	N2M03WO	M3.5 x 0.6	.150	(3.81)	1.0	(.45)
N2M04L	N2M04WO	N2M04S	N2M04WO	M4 x 0.7	.150	(3.81)	1.0	(.45)
N2M05L	N2M05WO	N2M05S	N2M05WO	M5 x 0.8	.150	(3.81)	1.0	(.45)
N2M06L	N2M06WO	N2M06S	N2M06WO	M6 x 1	.150	(3.81)	1.0	(.45)

MINI FITTINGS

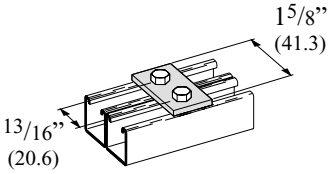
B6202
SQUARE WASHER
- Standard finishes: ZN, GRN
- Wt./C 2 Lbs. (.9 kg)



B6129
TWO HOLE SPLICE PLATE
- Standard finishes: ZN, GRN
- Wt./C 5 Lbs. (2.2 kg)



B6340
TWO HOLE SPLICE PLATE
- Standard finishes: ZN, GRN
- Wt./C 5 Lbs. (2.2 kg)

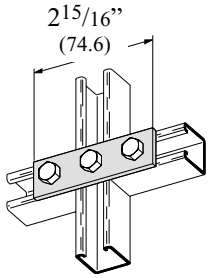


Reference page 174 for general fitting and standard finish specifications.

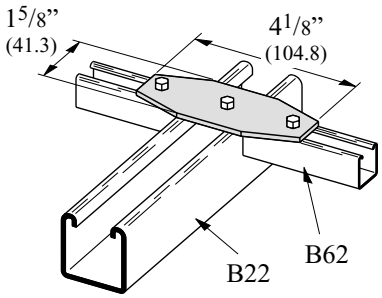
MINI FITTINGS

B-Line

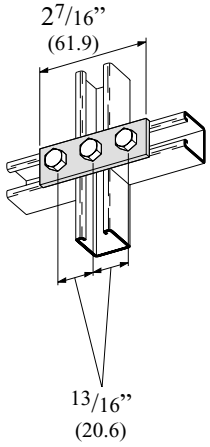
B6141
THREE HOLE SPLICE PLATE
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



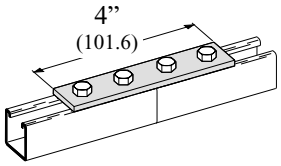
B600-62
THREE HOLE FLAT ADAPTER PLATE
- Standard finishes: ZN, GRN
- Wt./C 19 Lbs. (8.6 kg)



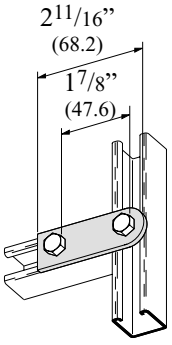
B6557
THREE HOLE SPLICE PLATE
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



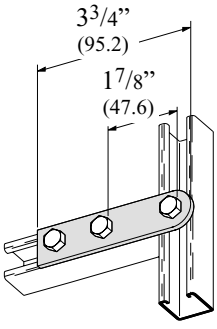
B6341
FOUR HOLE SPLICE PLATE
- Standard finishes: ZN, GRN
- Wt./C 11 Lbs. (5.0 kg)



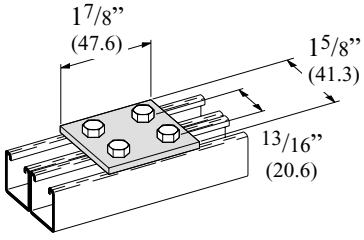
B6138
TWO HOLE SWIVEL PLATE
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



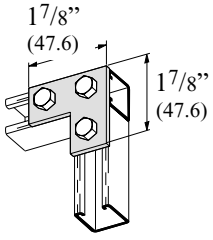
B6139
THREE HOLE SWIVEL PLATE
- Standard finishes: ZN, GRN
- Wt./C 10 Lbs. (4.5 kg)



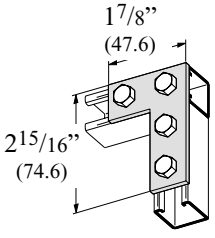
B6504
FOUR HOLE SPLICE PLATE
- Standard finishes: ZN, GRN
- Wt./C 10 Lbs. (4.5 kg)



B6140
THREE HOLE CORNER PLATE
- Standard finishes: ZN, GRN
- Wt./C 8 Lbs. (3.6 kg)

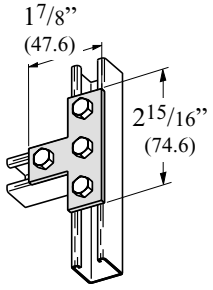


B6143
FOUR HOLE CORNER PLATE
- Standard finishes: ZN, GRN
- Wt./C 11 Lbs. (5.0 kg)

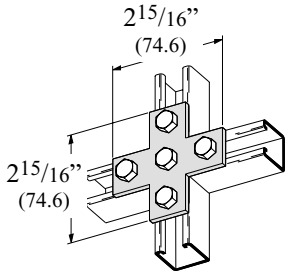


Reference page 174 for general fitting and standard finish specifications.

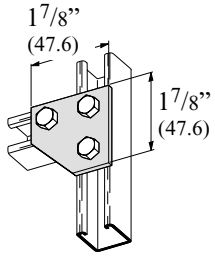
B6133
FOUR HOLE TEE PLATE
•Standard finishes: ZN, GRN
•Wt./C 11 Lbs. (5.0 kg)



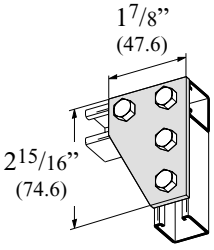
B6132
FIVE HOLE CROSS PLATE
•Standard finishes: ZN, GRN
•Wt./C 13 Lbs. (5.9 kg)



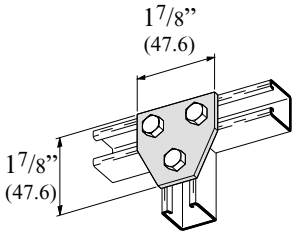
B6135
THREE HOLE CORNER GUSSET PLATE
•Standard finishes: ZN, GRN
•Wt./C 9 Lbs. (4.1 kg)



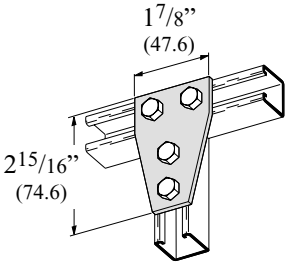
B6142
FOUR HOLE CORNER GUSSET PLATE
•Standard finishes: ZN, GRN
•Wt./C 15 Lbs. (6.8 kg)



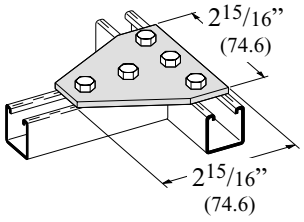
B6337
THREE HOLE TEE GUSSET PLATE
•Standard finishes: ZN, GRN
•Wt./C 10 Lbs. (4.5 kg)



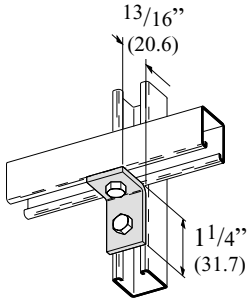
B6136
FOUR HOLE TEE GUSSET PLATE
•Standard finishes: ZN, GRN
•Wt./C 15 Lbs. (6.8 kg)



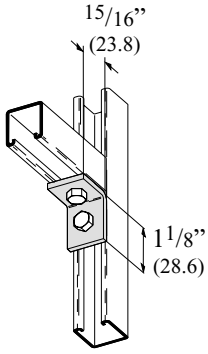
B6532
FIVE HOLE TEE GUSSET PLATE
•Standard finishes: ZN, GRN
•Wt./C 22 Lbs. (10.0 kg)



B6101
TWO HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 5 Lbs. (2.2 kg)



B6230
TWO HOLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 5 Lbs. (2.2 kg)

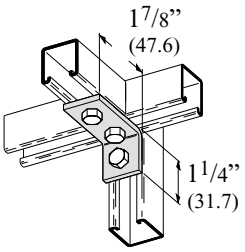


Reference page 174 for general fitting and standard finish specifications.

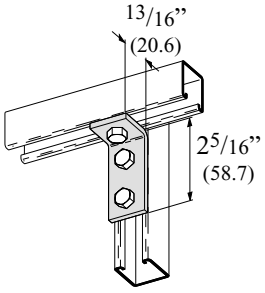
MINI FITTINGS

B-Line

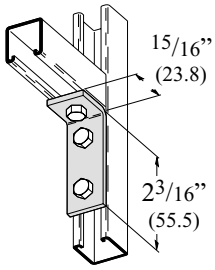
B6102
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 8 Lbs. (3.6 kg)



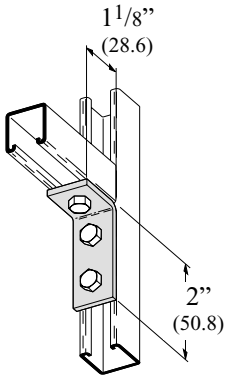
B6103
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 8 Lbs. (3.6 kg)



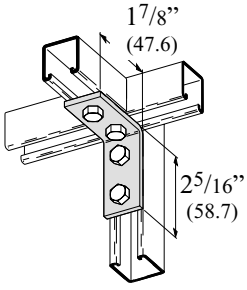
B6232
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



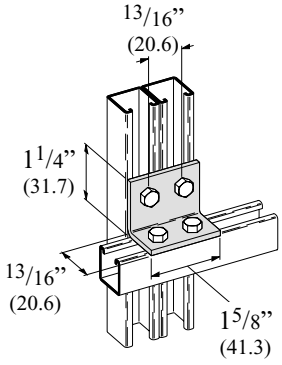
B6374
THREE HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



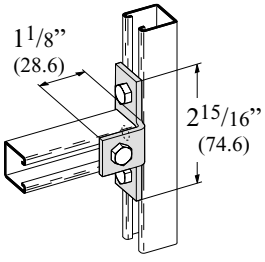
B6104
FOUR HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 10 Lbs. (4.5 kg)



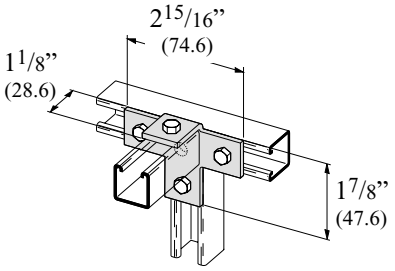
B6558
FOUR HOLE CORNER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 10 Lbs. (4.5 kg)



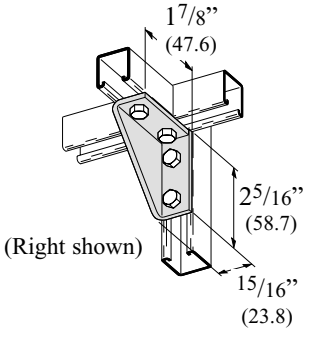
B6357
FOUR HOLE OFFSET BENT TEE
- Standard finishes: ZN, GRN
- Wt./C 11 Lbs. (5.0 kg)



B6239
FIVE HOLE OFFSET BENT TEE
- Standard finishes: ZN, GRN
- Wt./C 14 Lbs. (6.3 kg)

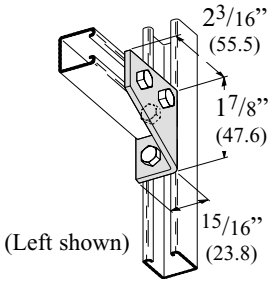


B6144R&L
FOUR HOLE SHELF BRACKET
- Standard finishes: ZN, GRN
- Wt./C 19 Lbs. (8.6 kg)

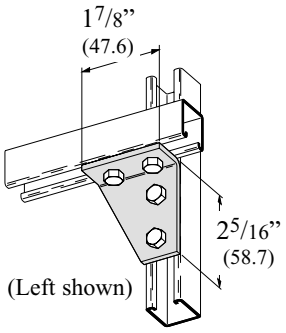


Reference page 174 for general fitting and standard finish specifications.

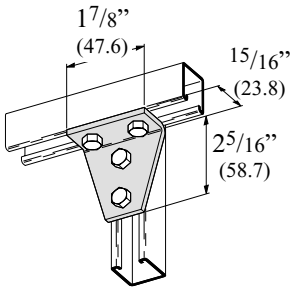
B6134R&L
FOUR HOLE CORNER GUSSET
•Standard finishes: ZN, GRN
•Wt./C 15 Lbs. (6.8 kg)



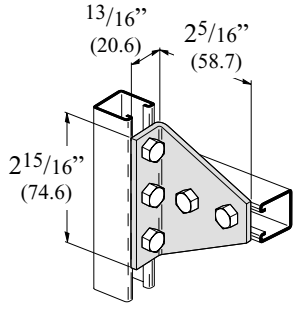
B6234 R&L
FOUR HOLE CORNER GUSSET
•Standard finishes: ZN, GRN
•Wt./C 15 Lbs. (6.8 kg)



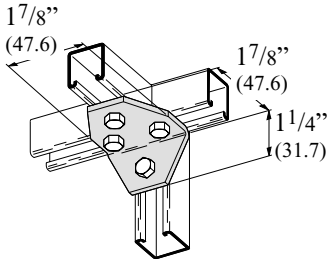
B6118
FOUR HOLE GUSSETTED SHELF ANGLE
•Standard finishes: ZN, GRN
•Wt./C 15 Lbs. (6.8 kg)



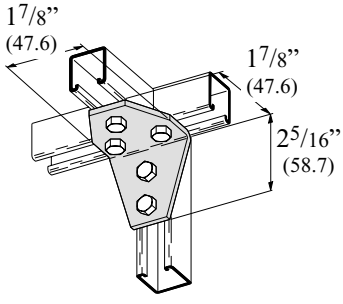
B6533
FIVE HOLE GUSSETTED SHELF ANGLE
•Standard finishes: ZN, GRN
•Wt./C 22 Lbs. (10.0 kg)



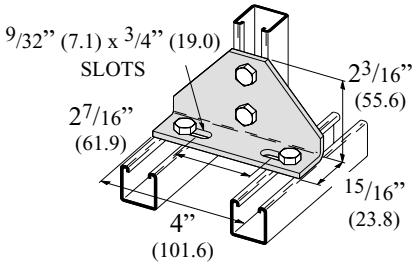
B6126
FOUR HOLE GUSSETTED THREE WAY SHELF ANGLE
•Standard finishes: ZN, GRN
•Wt./C 15 Lbs. (6.8 kg)



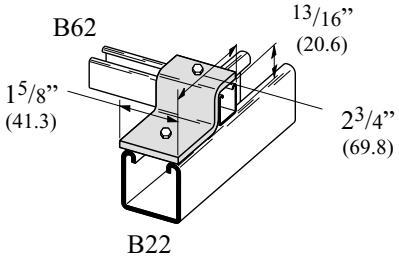
B6127
FIVE HOLE GUSSETTED THREE WAY SHELF ANGLE
•Standard finishes: ZN, GRN
•Wt./C 18 Lbs. (8.1 kg)



B6112
FOUR HOLE ADJUSTABLE CORNER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 32Lbs. (14.5 kg)



B598-62
TWO HOLE Z-ADAPTER PLATE
•Standard finishes: ZN, GRN
•Wt./C 28 Lbs. (12.7 kg)

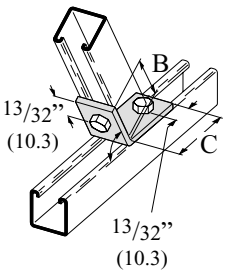


Reference page 174 for general fitting and standard finish specifications.

MINI FITTINGS

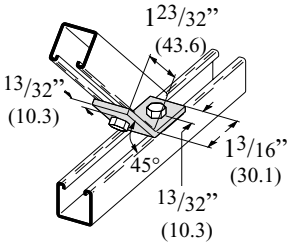
B-Line

B6147-B6152
TWO HOLE OPEN ANGLE
•Standard finishes: ZN, GRN

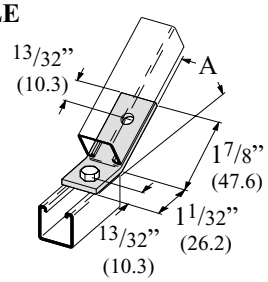


Part No.	A	B		C		Wt./C Lbs.	Wt./C kg
B6147	82 1/2°	2 1/32"	(51.6)	27/32"	(21.4)	8.0	(3.6)
B6148	75°	2 1/32"	(51.6)	27/32"	(21.4)		
B6149	67 1/2°	2"	(50.8)	7/8"	(22.2)		
B6150	60°	1 31/32"	(50.0)	1 5/16"	(23.8)		
B6151	52 1/2°	1 7/8"	(47.6)	1 1/16"	(27.0)		
B6152	37 1/2°	2"	(50.8)	29/32"	(23.0)		

B6154
TWO HOLE OPEN ANGLE
•Standard finishes: ZN, GRN
•Wt./C 8 Lbs. (3.6 kg)

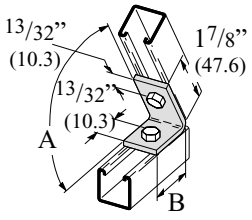


B6162-B6165
TWO HOLE OPEN ANGLE
•Standard finishes: ZN, GRN



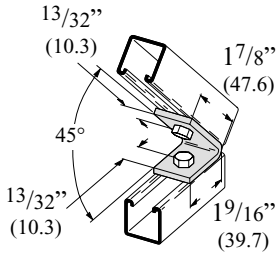
Part No.	A	Wt./C Lbs.	Wt./C kg
B6162	30°	8.0	(3.6)
B6163	22 1/2°		
B6164	15°		
B6165	7 1/2°		

B6156-B6161
TWO HOLE CLOSED ANGLE
•Standard finishes: ZN, GRN

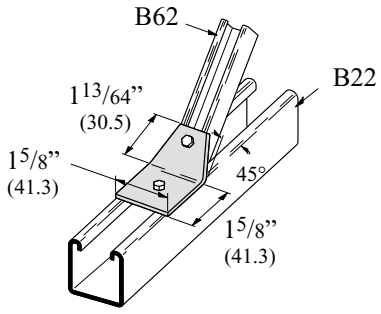


Part No.	A	B		Wt./C Lbs.	Wt./C kg
B6156	82 1/2°	1 9/32"	(32.5)	8.0	(3.6)
B6157	75°	1 5/16"	(33.3)		
B6158	67 1/2°	1 3/8"	(34.9)		
B6159	60°	1 13/32"	(35.7)		
B6160	52 1/2°	1 15/32"	(37.3)		
B6161	37 1/2°	1 21/32"	(42.0)		

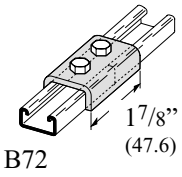
B6155
TWO HOLE CLOSED ANGLE
•Standard finishes: ZN, GRN
•Wt./C 8 Lbs. (3.6 kg)



B601-62
TWO HOLE 45° ADAPTER ANGLE
•Standard finishes: ZN, GRN
•Wt./C 14 Lbs. (6.3 kg)

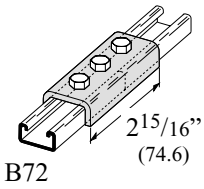


B6169
TWO HOLE SPLICE CLEVIS FOR B72
•Standard finishes: ZN, GRN
•Wt./C 11 Lbs. (5.0 kg)

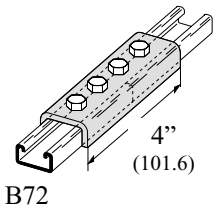


Reference page 174 for general fitting and standard finish specifications.

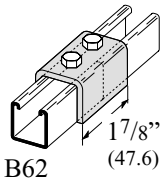
B6168
THREE HOLE SPLICE CLEVIS FOR B72
•Standard finishes: ZN, GRN
•Wt./C 16 Lbs. (7.2 kg)



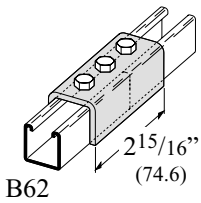
B6167
FOUR HOLE SPLICE CLEVIS FOR B72
•Standard finishes: ZN, GRN
•Wt./C 24 Lbs. (10.9 kg)



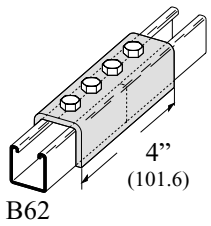
B6170
TWO HOLE SPLICE CLEVIS FOR B62
•Standard finishes: ZN, GRN
•Wt./C 17 Lbs. (7.7 kg)



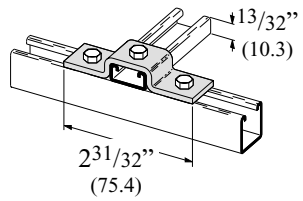
B6171
THREE HOLE SPLICE CLEVIS FOR B62
•Standard finishes: ZN, GRN
•Wt./C 26 Lbs. (11.8 kg)



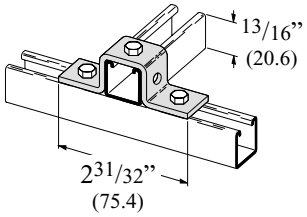
B6172
FOUR HOLE SPLICE CLEVIS FOR B62
•Standard finishes: ZN, GRN
•Wt./C 36 Lbs. (16.3 kg)



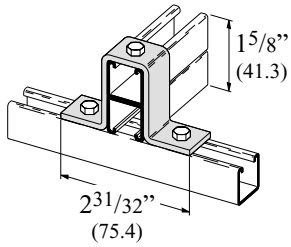
B7116
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 10 Lbs. (4.5 kg)



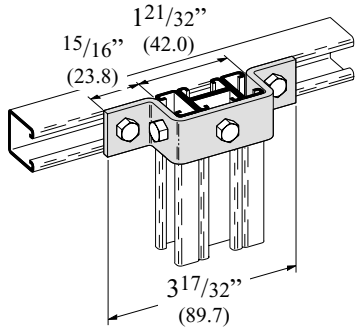
B6107
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 12 Lbs. (5.4 kg)



B6107-62A
THREE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 16 Lbs. (7.2 kg)



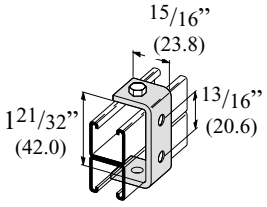
B6594
FIVE HOLE U-SUPPORT
•Standard finishes: ZN, GRN
•Wt./C 13 Lbs. (5.9 kg)



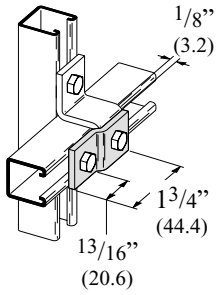
MINI FITTINGS

B-Line

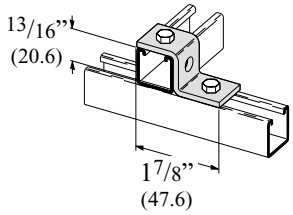
B6173
FOUR HOLE CLEVIS
- Standard finishes: ZN, GRN
- Wt./C 9 Lbs. (4.1 kg)



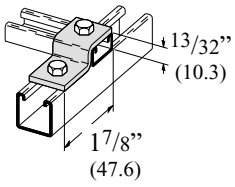
B6526
TWO HOLE OFFSET Z-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 5 Lbs. (2.2 kg)



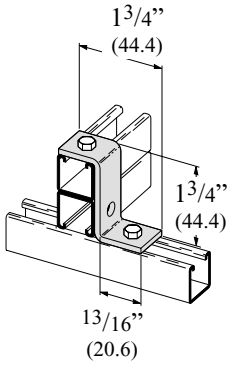
B6105
TWO HOLE Z-SUPPORT FOR B62
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



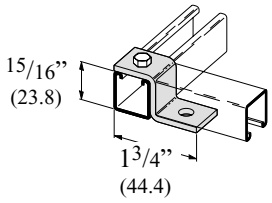
B7105
TWO HOLE Z-SUPPORT FOR B72
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



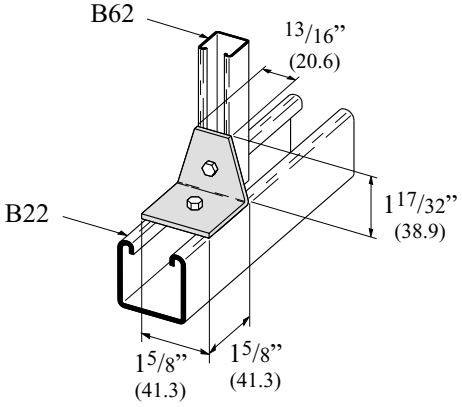
B6110
TWO HOLE Z-SUPPORT FOR B62A
- Standard finishes: ZN, GRN
- Wt./C 9 Lbs. (4.1 kg)



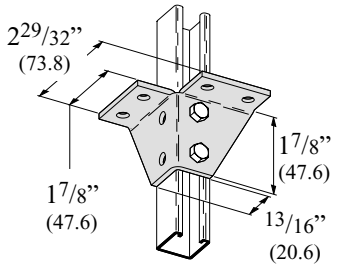
B6108
TWO HOLE OFFSET Z-SUPPORT
- Standard finishes: ZN, GRN
- Wt./C 7 Lbs. (3.2 kg)



B589-62
TWO HOLE 90° ADAPTER ANGLE
- Standard finishes: ZN, GRN
- Wt./C 11 Lbs. (5.0 kg)

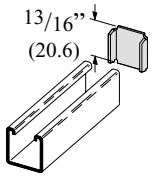


B6571
EIGHT HOLE WING CONNECTION
- Standard finishes: ZN, GRN
- Wt./C 28 Lbs. (12.7 kg)

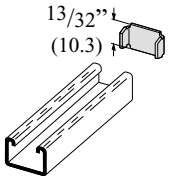


Reference page 174 for general fitting and standard finish specifications.

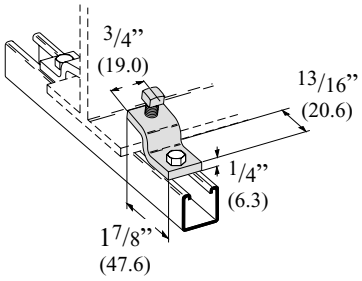
B6205
END CAP FOR B62
- Material: ASTM A611 Gr. C
- Standard finishes: ZN, GRN
- Wt./C 3 Lbs. (1.3 kg)



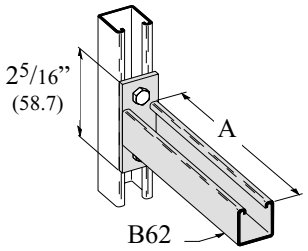
B7205
END CAP FOR B72
- Material: ASTM A611 Gr. C
- Standard finishes: ZN, GRN
- Wt./C 1 Lb. (.4 kg)



B6211
Z-BEAM CLAMP
- 5/16"-18 Setscrew included
- 13/16" (20.6) Max. Flange Thickness
- Material: ASTM A36
- Standard finishes: ZN, GRN
- Wt./C 13 Lbs. (5.9 kg)

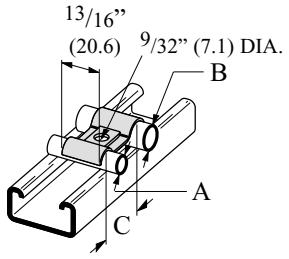


B6409-6, 9
BRACKET
- Safety Factor of 2
- Uniform Design Load 40 Lbs. (.18 kN)
- Standard finishes: ZN, GRN



Part No.	A		Wt./C Lbs.	kg
B6409-6	6"	(152.4)	28.0	(12.7)
B6409-9	9"	(228.6)	35.0	(15.8)

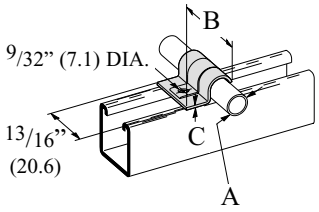
B2350-B2355
ONE HOLE DOUBLE TUBING STRAP
- Material: ASTM A611 Gr. C
- Standard finishes: ZN, GRN



Part No.	O.D. Size A		O.D.Size B		C		Wt./C Lbs.	kg
B2350	1/4"	(6.3)	1/4"	(6.3)	3/4"	(19.0)	1.2	(.5)
B2351	3/8"	(9.5)	3/8"	(9.5)	1"	(25.4)	2.0	(.9)
B2352	1/2"	(12.7)	1/2"	(12.7)	1 1/4"	(31.7)	2.9	(1.3)
B2353	1/4"	(6.3)	3/8"	(9.5)	7/8"	(22.2)	1.6	(.7)
B2354	1/4"	(6.3)	1/2"	(12.7)	1"	(25.4)	2.1	(.9)
B2355	3/8"	(9.5)	1/2"	(12.7)	1 1/8"	(28.6)	2.5	(1.1)

B2308-B2315
ONE HOLE TUBING STRAP
- Material: Sizes 1/4" - 1/2", ASTM A611 Gr. C
  5/8" - 1", ASTM A570 Gr. 33
- Standard finishes: ZN, GRN

Part No.	O.D. Size A		B		C		Wt./C Lbs.	kg
B2308	1/4"	(6.3)	1 1/32"	(26.2)	.048	(1.2)	1.2	(.5)
B2309	5/16"	(7.9)	1 3/32"	(27.8)	.048	(1.2)	1.4	(.6)
B2310	3/8"	(9.5)	1 3/16"	(30.1)	.048	(1.2)	1.6	(.7)
B2311	1/2"	(12.7)	1 21/64"	(33.7)	.048	(1.2)	1.9	(.8)
B2312	5/8"	(15.9)	1 25/64"	(35.3)	.062	(1.6)	2.7	(1.2)
B2313	3/4"	(19.0)	1 39/64"	(40.9)	.075	(1.9)	4.3	(1.9)
B2314	7/8"	(22.2)	1 51/64"	(45.6)	.075	(1.9)	4.9	(2.2)
B2315	1"	(25.4)	2 1/32"	(51.6)	.075	(1.9)	5.2	(2.3)



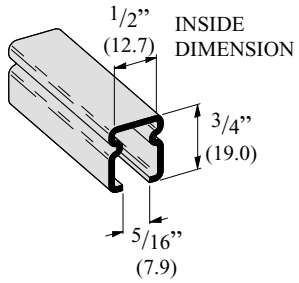
Reference page 174 for general fitting and standard finish specifications.

ECONO-STRUT

B-Line

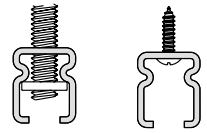
E7016

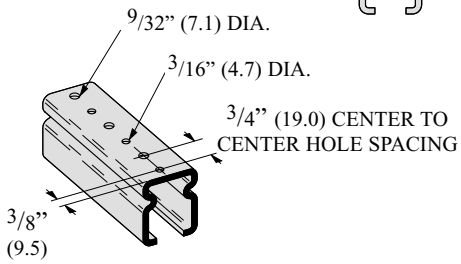
- Light duty support for electrical fixtures, conduits and boxes
- Standard 1/4"-20 square nut slips into the slot for ease of attachment
- Thickness: 16 Ga. (1.5 mm)
- Standard lengths: 120" (3.05 m)
- Standard finish: Pre-Galvanized
- Weight: .45 Lbs./Ft. (.52 kg/m)



E7016H3/4

- Pre-punched holes provide for installation on 1 1/2" (38.1) centers for 1/4"-20 ATR or for #8 screws or toggle bolts
- Thickness: 16 Ga. (1.5 mm)
- Standard lengths: 120" (3.05 m)
- Standard finish: Pre-Galvanized
- Weight: .44 Lbs./Ft. (.50 kg/m)





Design Stress = 25,000 PSI (172 MPa)
Section Modulus (S) = .021 in.^{3} (.34 cm^3)
Moment of Inertia (I) = .009 in.^{4} (.37 cm^4)
Radius of Gyration (r) = .275 in. (.70 cm)

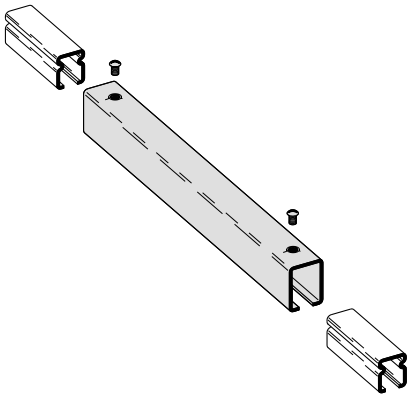
To determine concentrated load capacity at mid span, multiply uniform load by 0.5 and corresponding deflection by 0.8.

LOAD CHART

Beam Span		Uniform Load		Deflection		Uniform Load 1/240 Span		Deflection 1/240 Span	
In.	mm	Lbs.	N	In.	mm	Lbs.	N	In.	mm
12	(305)	347	1543	.030	(.76)	347	1543	.05	(1.27)
24	(609)	173	769	.121	(3.07)	143	636	.10	(2.54)
36	(914)	115	511	.272	(6.91)	63	280	.15	(3.81)
48	(1219)	86	382	.484	(12.29)	35	155	.20	(5.08)
60	(1524)	69	307	.756	(19.20)	23	102	.25	(6.35)

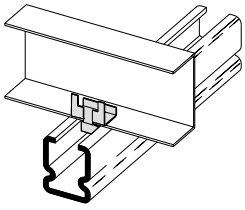
E7166
JOINER PLATE

- Joins Econo-Strut channels together to provide continuous runs
- Includes:
  1 pc. Joiner Plate
  2 pcs. 1/4"-20 x 1/2" SRHMS
- Wt./C 42 Lbs. (19.0 kg)



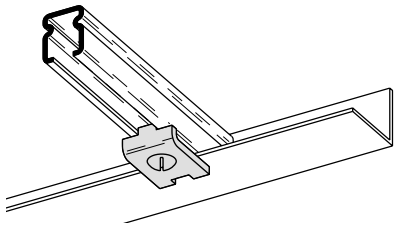
E7212
FASTENER CLIP

- Used to attach Econo-Strut to lathers channel or other light gauge carrying beams
- Wt./C 1 Lb. (.4 kg)

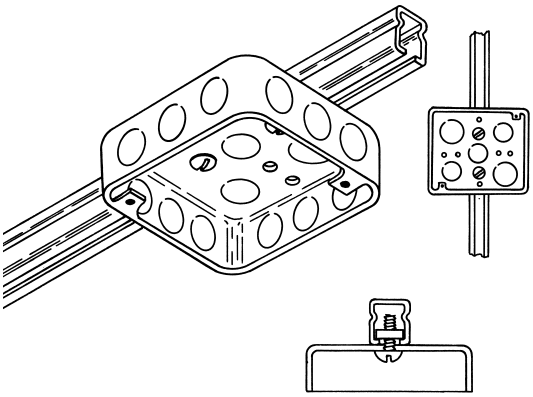


E7355
BEAM CLAMP

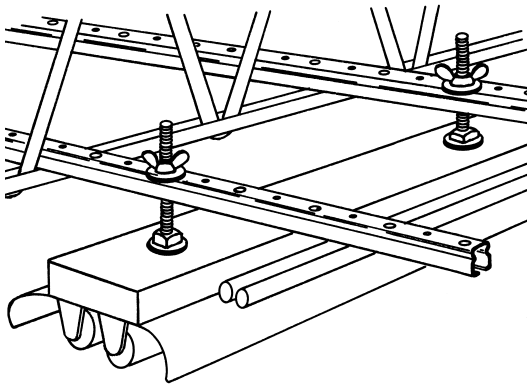
- Secures Econo-Strut to bar joists, angle iron, or I-Beams with a maximum flange thickness of 1/4" (6.3)
- Includes:
  1 Beam Clamp
  1 pc. 1/4"-20 x 1" SHHMS
  1 pc. 1/4"-20 Square Nut
- Wt./C 8 Lbs. (3.6 kg)



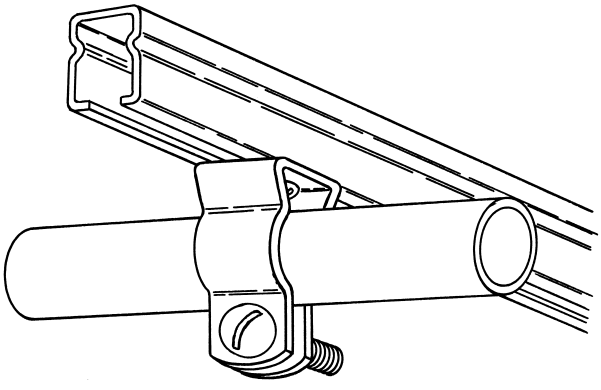
Reference page 174 for general fitting and standard finish specifications.



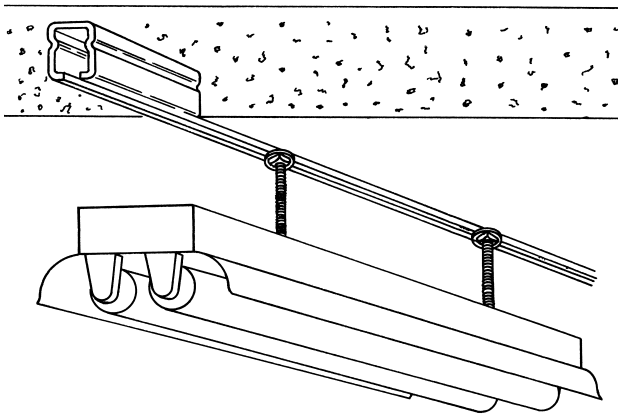
Econo-Strut supports electrical box with screws and square nuts.



Econo-Strut fixture support secured to the bar joists.



Econo-Strut pipe or conduit support.



Econo-Strut used as a continuous concrete insert.

CONTINUOUS CONCRETE INSERTS

Continuous slot Concrete Inserts are designed to provide a pre-set support system cast in concrete ceilings, walls, and floors to allow flexibility of attachment at any point along the channel. This provides an excellent support system for pipe, conduit, and cable trays.

Continuous Concrete Inserts, manufactured from B-Line's standard channels, have formed anchors spaced on 4 inch (101.6 mm) centers. Each set of anchors has two $^{3}/_{16}$" (4.8 mm) nail-hole knock-outs provided for securing the inserts to the forms.

Available in lengths from 3 inches (7.62 cm) to 240 inches (609.6 cm), Concrete Inserts are shipped complete with end caps and styrofoam filler strips which prevent seepage of concrete into the insert.

Materials & Finishes*

Finish Code	Finish	Specification
PLN	Plain	ASTM A570 Gr. 33
GRN	Dura-Green	TT-C-490 B
ZN	Electro-Plated Zinc	ASTM B633 SC1 Type III
GALV	Pre-Galvanized	ASTM A653 SS Gr. 33
HDG	Hot-Dipped Galvanized	ASTM A123
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A24O

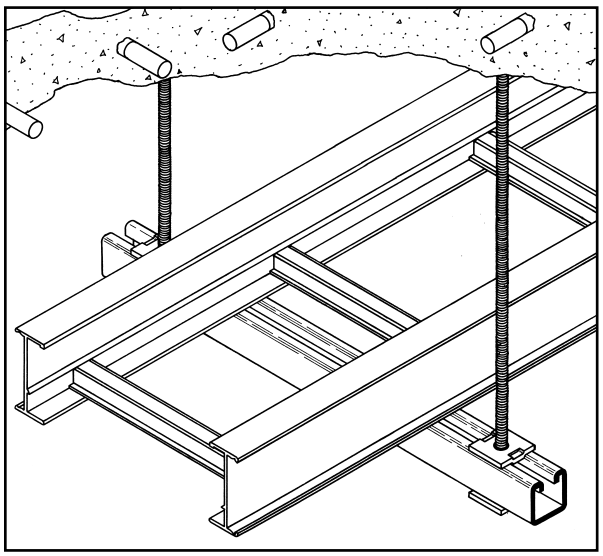
*Unless otherwise noted.

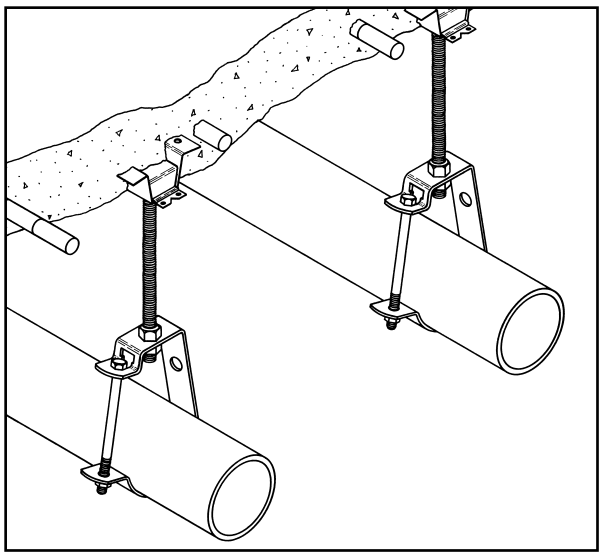
Spot Inserts
B-Line's Spot Inserts provide for economical single attachment points with full flexibility of fastener sizing, but with limited adjustment. These products are made from steel strips in accordance with ASTM A570, Grade 33. Standard finish is electro-plated zinc (ASTM B633).

Special Concrete Inserts
Pre-stressed inserts, inserts with studs welded to the back of the channel, and other types of special inserts are available from B-Line.

Test Data
Independent Testing Laboratory test data available upon request.

Metric
Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.



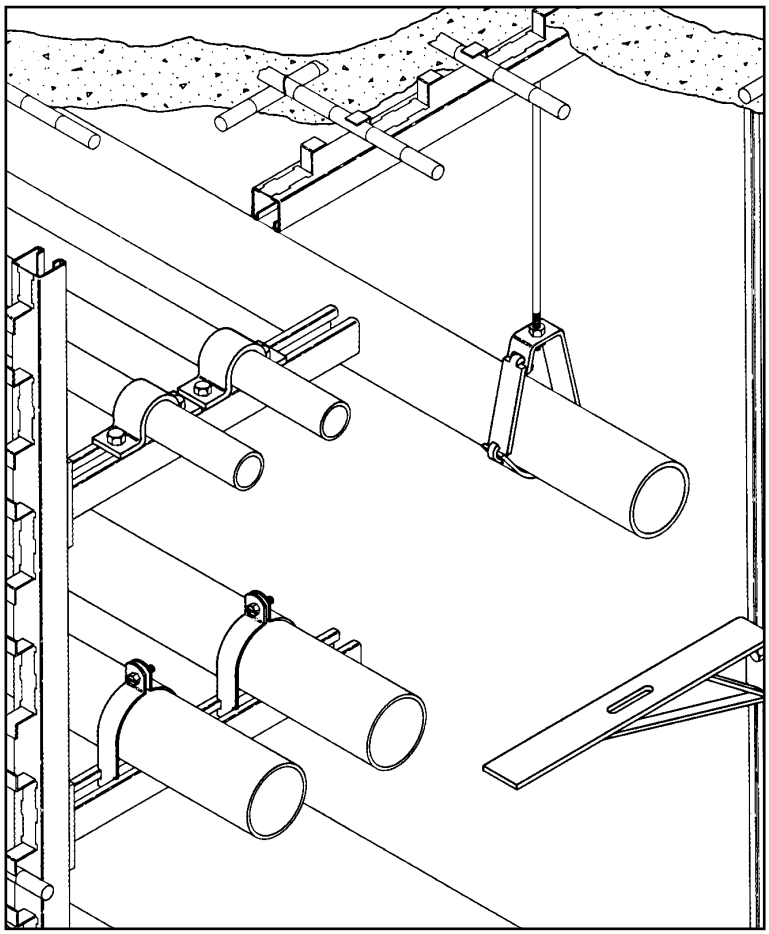


Continuous concrete inserts, installed in the ceiling, can be used to support trapeze hangers, suspended pipe racks, cable trays and single or multiple pipe hangers.

When installed in walls, continuous concrete inserts can be used as a support for tunnel stanchions, equipment braces, brackets and pipe racks.

Use spot inserts for single pipe-support or trapeze type hangers. Spot Inserts offer full flexibility of rod and fastener sizings.

B-Line Channel can be attached to continuous concrete inserts in walls or ceilings. Channel can also be attached to concrete walls and floors with expansion anchors.



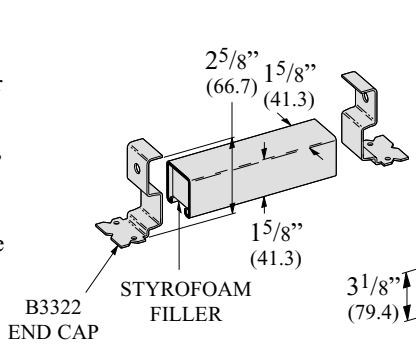
Channel, Combinations & Hole Patterns
Channel Nuts & Hardware
Fittings
Beam Clamps
Pipe Clamps
Electrical Accessories
Special Materials & Fiberglass
Mini Channel & Fittings
Concrete Inserts
Slotted Angle
Reference Data/Index

CONTINUOUS CONCRETE INSERT

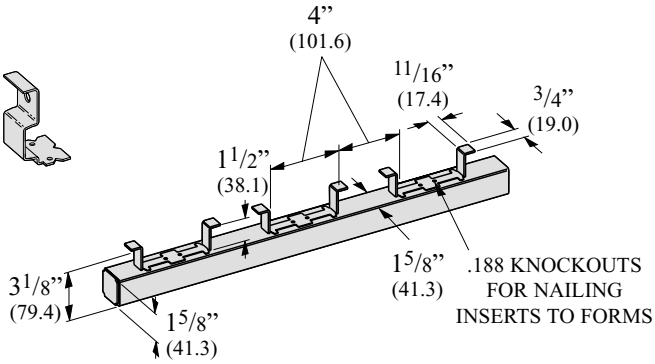
B-Line

B22I
CONTINUOUS CONCRETE INSERT

- Design Load for B22-I-12 thru B22-I-240 is 2,000 lbs. (8.89 kN) per foot of concrete insert length with safety factor of 3 in 3000 psi concrete.
- Loads concentrated within the last 2 inches (50.8 mm) of concrete inserts 8" (203.2 mm) and longer should not exceed 1,000 lbs. (4.45kN).
- Concrete insert should be secured to the forms on 16" (406.4 mm) to 24" (609.6 mm) intervals.
- B22-I continuous concrete inserts are made from B22 channel. Use channel nuts designed for use in B22 channel.
- Styrofoam fillers are supplied with all B22-I concrete inserts. B3322 end caps are furnished with inserts through 16" (406.4 mm) long, and B205 end caps are furnished with inserts over 16" (406.4 mm) long.
- To order inserts without end caps and styrofoam, use the suffix "insert only" after the part number (example: B22-I-12-insert only).
- Material: Plain Steel ASTM A570 Gr. 33 or Electroplated Zinc ASTM B633 SC3

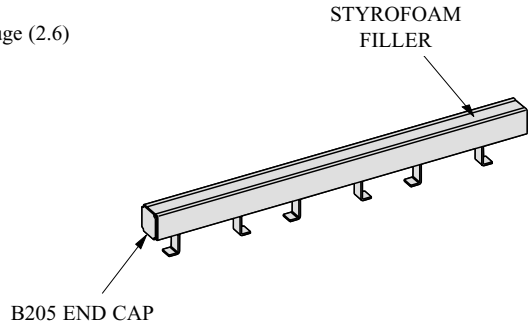


B22-I-3 THRU B22-I-8



B22-I-12 THRU B22-I-240

MATERIAL: 12 Gauge (2.6)



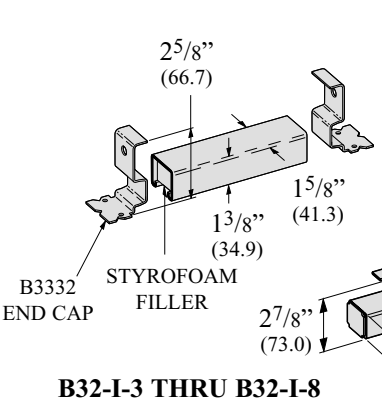
Part No.	Length in.	Length mm	Wt./C Lbs.	Wt./C kg	Design Load Lbs.	Design Load kN
B22-I-3	3"	(76)	72	(32.6)	500	(2.22)
B22-I-4	4"	(101)	88	(39.9)	800	(3.56)
B22-I-6	6"	(152)	120	(54.4)	1000	(4.45)
B22-I-8	8"	(203)	152	(68.9)	1200	(5.34)

Part No.	Length in.	Length mm	Wt./C Lbs.	Wt./C kg
B22-I-12	12"	(305)	224	(101.6)
B22-I-16	16"	(406)	289	(131.1)
B22-I-20	20"	(508)	353	(160.1)
B22-I-24	24"	(609)	420	(190.5)
B22-I-32	32"	(813)	553	(250.8)
B22-I-36	36"	(914)	620	(281.2)
B22-I-40	40"	(1016)	686	(311.1)
B22-I-48	48"	(1219)	820	(371.9)
B22-I-60	60"	(1524)	1018	(461.7)
B22-I-72	72"	(1829)	1218	(552.5)
B22-I-84	84"	(2133)	1417	(642.7)
B22-I-96	96"	(2438)	1616	(733.0)
B22-I-108	108"	(2743)	1816	(823.7)
B22-I-120	120"	(3048)	2016	(914.4)
B22-I-144	144"	(3657)	2416	(1095.9)
B22-I-168	168"	(4267)	2816	(1277.3)
B22-I-192	192"	(4877)	3216	(1458.7)
B22-I-216	216"	(5486)	3616	(1640.2)
B22-I-240	240"	(6096)	4016	(1821.6)

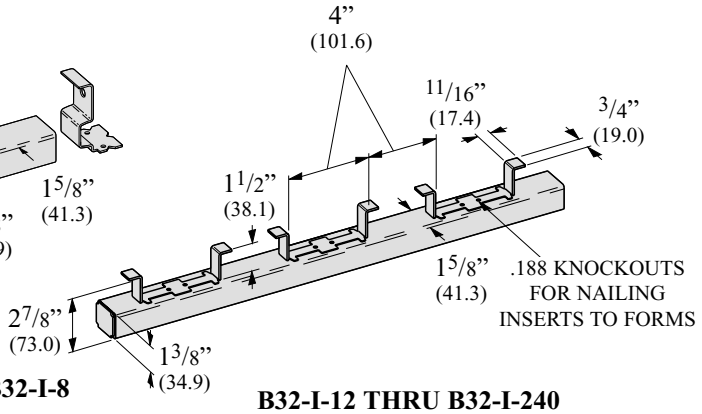
Reference page 188 for general fitting and standard finish specifications.

B32I
CONTINUOUS CONCRETE INSERT

- Design Load for B32-I-12 thru B32-I-240 is 2,000 lbs. (8.89 kN) per foot of concrete insert length with safety factor of 3 in 3000 psi concrete.
- Loads concentrated within the last 2 inches (50.8 mm) of concrete inserts 8" (203.2 mm) and longer should not exceed 1,000 lbs. (4.45kN).
- Concrete insert should be secured to the forms on 16" (406.4 mm) to 24" (609.6 mm) intervals.
- B32-I continuous concrete inserts are made from B32 channel. Use channel nuts designed for use in B32 channel.
- Styrofoam fillers are supplied with all B32-I concrete inserts. B3332 end caps are furnished with inserts through 16" (406.4 mm) long, and B206 end caps are furnished with inserts over 16" (406.4 mm) long.
- To order inserts without end caps and styrofoam, use the suffix "insert only" after the part number (example: B32-I-12-insert only).
- Material: Plain Steel ASTM A570 Gr. 33 or Electroplated Zinc ASTM B633 SC3

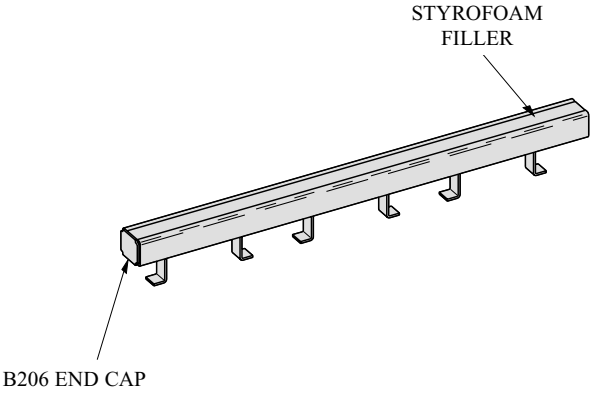


B32-I-3 THRU B32-I-8



B32-I-12 THRU B32-I-240

MATERIAL: 12 Gauge (2.6)



Part No.	Length in.	Length mm	Wt./C Lbs.	Wt./C kg	Design Load Lbs.	Design Load kN
B32-I-3	3"	(76)	65	(29.5)	500	(2.22)
B32-I-4	4"	(101)	80	(36.3)	800	(3.56)
B32-I-6	6"	(152)	108	(49.0)	1000	(4.45)
B32-I-8	8"	(203)	137	(62.1)	1200	(5.34)

Part No.	Length in.	Length mm	Wt./C Lbs.	Wt./C kg
B32-I-12	12"	(305)	202	(91.6)
B32-I-16	16"	(406)	262	(118.8)
B32-I-20	20"	(508)	316	(143.3)
B32-I-24	24"	(609)	376	(170.5)
B32-I-32	32"	(813)	496	(225.0)
B32-I-36	36"	(914)	556	(252.2)
B32-I-40	40"	(1016)	616	(279.4)
B32-I-48	48"	(1219)	736	(333.8)
B32-I-60	60"	(1524)	915	(415.0)
B32-I-72	72"	(1829)	1095	(496.7)
B32-I-84	84"	(2133)	1274	(577.9)
B32-I-96	96"	(2438)	1453	(659.0)
B32-I-108	108"	(2743)	1633	(740.7)
B32-I-120	120"	(3048)	1813	(822.3)
B32-I-144	144"	(3657)	2173	(985.6)
B32-I-168	168"	(4267)	2533	(1148.9)
B32-I-192	192"	(4877)	2893	(1312.2)
B32-I-216	216"	(5486)	3253	(1475.5)
B32-I-240	240"	(6096)	3613	(1638.8)

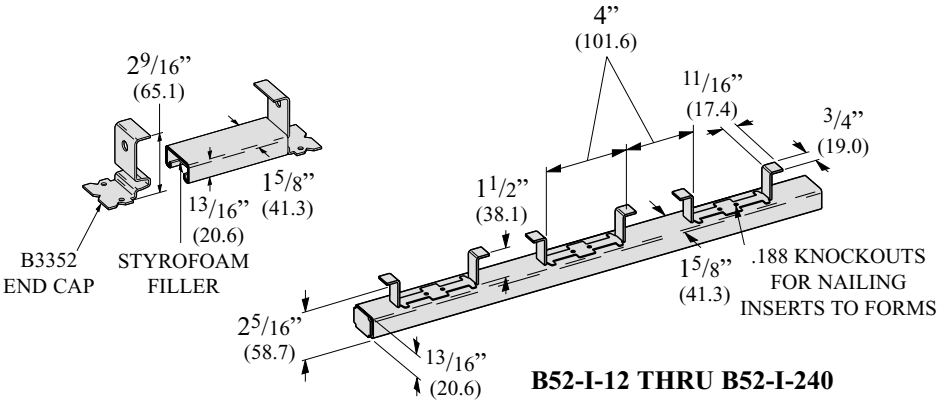
Reference page 188 for general fitting and standard finish specifications.

CONTINUOUS CONCRETE INSERT

B-Line

B52I
CONTINUOUS CONCRETE INSERT

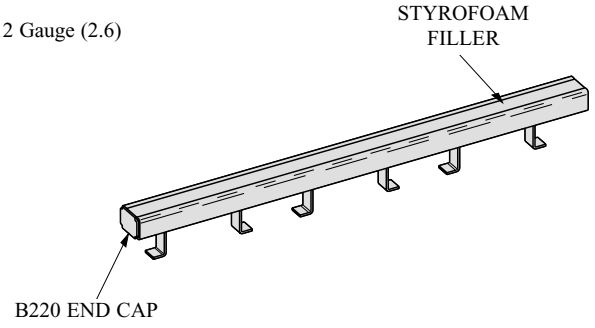
- Design Load for B52-I-12 thru B52-I-240 is 1,500 lbs. (6.67 kN) per foot of concrete insert length with safety factor of 3 in 3000 psi concrete.
- Loads concentrated within the last 2 inches (50.8 mm) of concrete inserts 8" (203.2 mm) and longer should not exceed 750 lbs. (3.33 kN).
- Concrete insert should be secured to the forms on 16" (406.4 mm) to 24" (609.6 mm) intervals.
- B52-I continuous concrete inserts are made from B52 channel. Use channel nuts designed for use in B52 channel.
- Styrofoam fillers are supplied with all B52-I concrete inserts. B3352 end caps are furnished with inserts through 16" (406.4 mm) long, and B220 end caps are furnished with inserts over 16" (406.4 mm) long.
- To order inserts without end caps and styrofoam, use the suffix "insert only" after the part number (example: B52-I-12-insert only).
- Material: Plain Steel ASTM A570 Gr. 33 or Electroplated Zinc ASTM B633 SC3



B52-I-12 THRU B52-I-240

B52-I-3 THRU B52-I-8

MATERIAL: 12 Gauge (2.6)

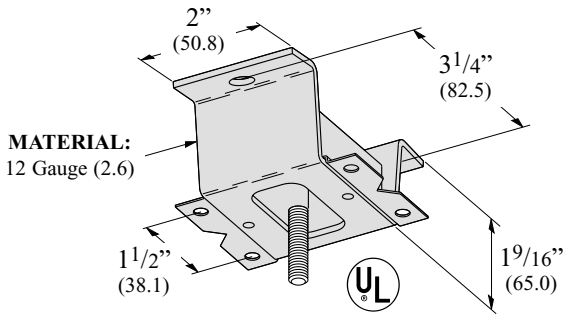


Part No.	Length in.	Length mm	Wt./C Lbs.	Wt./C kg	Design Load Lbs.	Design Load kN
B52-I-3	3"	(76)	53	(24.0)	400	(1.78)
B52-I-4	4"	(101)	63	(28.6)	500	(2.22)
B52-I-6	6"	(152)	85	(38.5)	750	(3.33)
B52-I-8	8"	(203)	106	(48.1)	1000	(4.45)

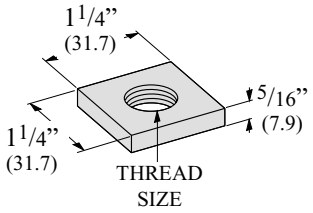
Part No.	Length in.	Length mm	Wt./C Lbs.	Wt./C kg
B52-I-12	12"	(305)	157	(71.2)
B52-I-16	16"	(406)	202	(91.6)
B52-I-20	20"	(508)	237	(107.5)
B52-I-24	24"	(609)	282	(127.9)
B52-I-32	32"	(813)	373	(169.2)
B52-I-36	36"	(914)	419	(190.0)
B52-I-40	40"	(1016)	464	(210.4)
B52-I-48	48"	(1219)	556	(252.2)
B52-I-60	60"	(1524)	692	(313.9)
B52-I-72	72"	(1829)	829	(376.0
B52-I-84	84"	(2133)	965	(437.7)
B52-I-96	96"	(2438)	1107	(502.1)
B52-I-108	108"	(2743)	1237	(561.1)
B52-I-120	120"	(3048)	1374	(623.2)
B52-I-144	144"	(3657)	1648	(747.5)
B52-I-168	168"	(4267)	1922	(871.8)
B52-I-192	192"	(4877)	2196	(996.1)
B52-I-216	216"	(5486)	2470	(1120.4)
B52-I-240	240"	(6096)	2744	(1244.6)

Reference page 188 for general fitting and standard finish specifications.

B2500
SPOT INSERT
- Design Load 600 Lbs. (2.67 kN)
- Safety Factor of 5
- Order N2500 Nuts Separately
- Material: Steel ASTM A366
- Standard finish: ZN
- Wt./C 46 Lbs. (20.8 kg)

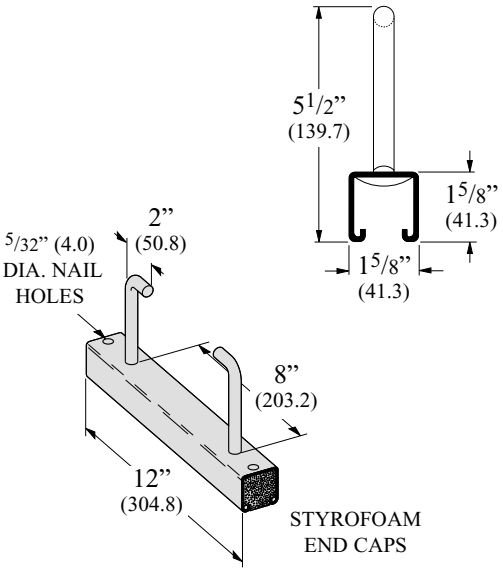


N2500
INSERT SQUARE NUT
- For use in B2500 Spot Insert
- Material: Steel ASTM A36
- Standard finish: ZN

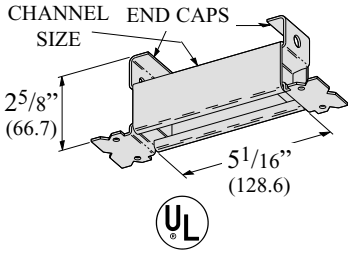


Part No.	Thread Size	Wt./C Lbs.	kg
N2500-1/4	1/4”-20	13	(5.9)
N2500-5/16	5/16”-18	13	(5.9)
N2500-3/8	3/8”-16	12	(5.4)
N2500-1/2	1/2-13	12	(5.4)
N2500-5/8	5/8”-11	11	(5.0)
N2500-3/4	3/4”-10	10	(4.5)
N2500-7/8	7/8”-9	9	(4.1)

B2503
HEAVY DUTY SPOT INSERT
- Designed for use where heavy loads are required in curtain wall applications
- Design Load is 5000 Lbs. (22.2 kN) with a Safety Factor of 3
- Loading based on two N225 channel nuts spaced 3” (76.2 mm) on center and a minimum of 2” (50.8 mm) from the end of the insert
- Styrofoam end caps prevent concrete seepage into the channel
- 12” (304.8 mm) long insert is anchored into the concrete at a depth of 5 1/2” (139.7 mm)
- Material: 12 Gauge (2.6 mm) thick steel
- Standard finish: ZN
- Wt./C 42 Lbs. (19.0 kg)

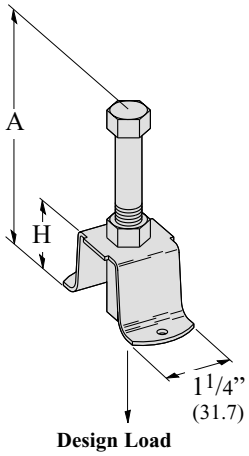


B2505 THRU B2508
SPOT INSERT
- Safety Factor of 5
- To support 10” (250) pipe use B2505 insert with 5/8”-11 Channel Nuts.
- To support up to and including 8” (200) pipes use B2506, B2507 and B2508 inserts with the desired Channel Nuts.
- Standard finish: ZN



Part No.	Channel Style	End Cap Part No.	Design Load Lbs.	kN	Maximum Pipe Size		Wt./C Lbs.	kg
B2505	B22	B3322	1200	(5.34)	10”	(250)	96	(43.5)
B2506	B32	B3332	1000	(4.45)	8”	(200)	88	(39.9)
B2507	B42	B3342	1000	(4.45)	8”	(200)	77	(34.9)
B2508	B52	B3352	1000	(4.45)	8”	(200)	69	(31.3)

B2501
LIGHT DUTY SPOT INSERT
- Safety Factor of 2
- The concrete attachment problem solver for light duty applications.
- Fast and easy applications.
- No concrete leakage problems.
- One piece unitized construction.
- Color coded cap on thread for rod size identification and to prevent concrete seepage. (1/4”-Yellow, 3/8”-Red, 1/2”-Blue)



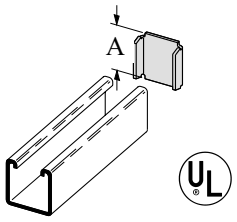
Design Load

Part No. & Size	Height A		Height H		Design Load Lbs.	kN	Wt./C Lbs.	kN
B2501-1/4	2 7/16”	(61.9)	7/8”	(22.2)	250	(1.11)	16	(7.2)
B2501-3/8	3 1/16”	(77.8)	1 7/8”	(47.6)	610	(2.71)	22	(9.9)
B2501-1/2	4 1/8”	(104.8)	1 7/8”	(47.6)	880	(3.91)	26	(11.7)

INSERT ACCESSORIES

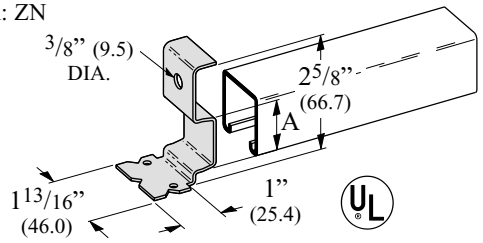
B-Line

B205, B206, B220
X TYPE END CAPS
- UL listed for raceway use only
- Material: 12 Gauge (2.6)
- Standard finish: ZN



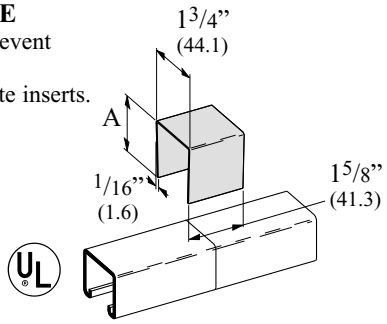
Part No.	Use With	A		Wt./C Lbs.	kg
B205	B22	1 21/32"	(42.0)	10	(4.5)
B206	B32	1 13/32"	(35.7)	8	(3.6)
B220	B52	27/32"	(21.4)	4	(1.8)

B3322, B3332, B3342, B3352
Y TYPE END CAPS
- UL listed for raceway use only
- Material: 14 Gauge (1.9)
- Standard finish: ZN



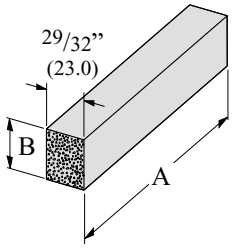
Part No.	Use With	A		Wt./C Lbs.	kg
B3322	B22	1.270	(32.2)	15	(6.8)
B3332	B32	1.000	(25.4)	15	(6.8)
B3342	B42	.645	(16.4)	15	(6.8)
B3352	B52	.460	(11.7)	15	(6.8)

B380
JOINT SPLICE PLATE
- Used at splice points to prevent concrete seepage in long continuous runs of concrete inserts.
- Material: 18 Gauge (1.2)
- Standard finish: ZN



Part No.	Use With	A		Wt./C Lbs.	kg
B380-22	B22	1 5/8"	(41.3)	11	(5.0)
B380-32	B32	1 3/8"	(34.9)	10	(4.5)
B380-42	B42	1"	(25.4)	9	(4.1)
B380-52	B52	13/16"	(20.6)	7	(3.2)

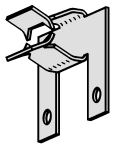
B22IFS-B52IFS
STYROFOAM FILLER STRIP



Part No.	A Ft.	mm	B		Wt./C Lbs.	kg
B22-IFS	4'	(1219)	1 7/32"	(309)	10	(4.5)
B32-IFS	4'	(1219)	1"	(254)	9	(4.1)
B52-IFS	4'	(1219)	21/32"	(167)	7	(3.2)

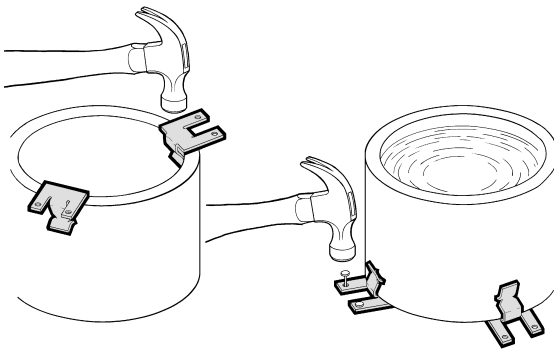
PIPE SLEEVE FASTENERS
- Allows for rigid attachment of pipe sleeves to wall and floor forms for concrete pouring.
- Accommodates Schedule 40, Schedule 80, or 5/16" (8) and smaller wall thickness.
- Simply installed with a hammer.

NEW



BD40

BE-5-8 & BE-9-12



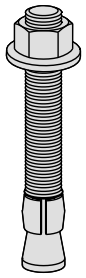
Part No.	Sleeve Diameter	Wall Thickness
BD40	All Dia.	5/16" & under
BE-5-8	6"	Schedule 80 pipe
BE-9-12	9" - 14"	Schedule 80 pipe

Reference page 188 for general fitting and standard finish specifications.

WEDGE ANCHOR

•Safety Factor of 4

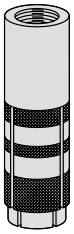
Catalog Number	Thread Size	Overall Length in.	Overall Length mm	Max. Mat'l. Thickness to be Anchored in.	Max. Mat'l. Thickness to be Anchored mm	Minimum Embedment Depth in.	Minimum Embedment Depth mm	Drill Hole Diameter in.	Drill Hole Diameter mm
AWA-37-225	3/8"-16	2 1/4"	(57)	3/8"	(9)	1 1/2"	(38)	3/8"	(10)
AWA-37-275	3/8"-16	2 3/4"	(70)	7/8"	(22)			3/8"	(10)
AWA-37-300	3/8"-16	3"	(76)	1 1/8"	(28)			3/8"	(10)
AWA-37-375	3/8"-16	3 3/4"	(95)	1 7/8"	(47)			3/8"	(10)
AWA-37-500	3/8"-16	5"	(127)	3 1/8"	(79)			3/8"	(10)
AWA-50-275	1/2"-13	2 3/4"	(70)	1/8"	(3)	2 1/4"	(57)	1/2"	(13)
AWA-50-375	1/2"-13	3 3/4"	(95)	1"	(25)			1/2"	(13)
AWA-50-425	1/2"-13	4 1/4"	(108)	1 1/2"	(38)			1/2"	(13)
AWA-50-550	1/2"-13	5 1/2"	(140)	2 3/4"	(70)			1/2"	(13)
AWA-50-700	1/2"-13	7"	(178)	4 1/4"	(108)			1/2"	(13)



DROP-IN

•Safety Factor of 4

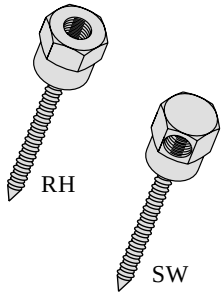
Catalog Number	Thread Size	Length in.	Length mm	Thread Depth in.	Thread Depth mm	Drill/Hole Diameter in.	Drill/Hole Diameter mm
ADI-25	1/4"-20	1"	(25)	7/16"	(11)	3/8"	(10)
ADI-37	3/8"-16	1 9/16"	(40)	5/8"	(16)	1/2"	(13)
ADI-50	1/2"-13	2"	(51)	13/16"	(21)	5/8"	(16)
ADI-62	5/8"-11	2 1/2"	(64)	1 3/16"	(30)	7/8"	(22)
ADI-75	3/4"-10	3 1/8"	(79)	1 3/16"	(30)	1"	(25)



RAPID ROD™ HANGERS FOR CONCRETE

•Safety Factor of 4

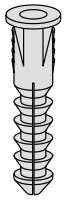
Catalog Number	Size in.	Size mm	Drill/Hole Diameter in.	Drill/Hole Diameter mm	Rod Size	Allowable Pull-Out Load Lbs.	Allowable Pull-Out Load kN	Allowable Shear Load Lbs.	Allowable Shear Load kN
ARC-1-RH25	5/16" x 1 1/2"	(8 x 38)	1/4"	(6)	1/4"-20	702	(3.1)	--	--
ARC-1-RH37	5/16" x 1 1/2"	(8 x 38)	1/4"	(6)	3/8"-16	702	(3.1)	--	--
ARC-1-SW37	5/16" x 1 1/2"	(8 x 38)	1/4"	(6)	3/8"-16	--	--	512	(2.3)



PLASTIC SCREW ANCHORS

•Safety Factor of 4

Catalog Number	Screw Size	Anchor Length in.	Anchor Length mm	Drill/Hole Diameter in.	Drill/Hole Diameter mm	Allowable Pull Out Load Lbs.	Allowable Pull Out Load kN
APS-4-87	#4, #6, & #8	7/8"	(22)	3/16"	(5)	50	(0.2)
APS-8-125	#8, #10, & #12	1 1/4"	(32)	1/4"	(6)	100	(0.4)
APS-12-150	#12, #14, & #16	1 1/2"	(38)	5/16"	(8)	150	(0.6)



Reference page 188 for general fitting and standard finish specifications.

SLOTTED ANGLE

B-Line Slotted Angle is an all-purpose framing system, roll formed from high strength steel strips. It is designed to be used as economical shelving, racks or electrical and mechanical supports. The unique pattern of horizontal and vertical slots permits full flexibility. Three basic sizes are available for light, medium, and heavy duty applications.

Materials & Finishes*

Finish Code	Finish	Specification
PLN	Plain	ASTM A570 Gr. 33
ZN	Electro-Plated Zinc	ASTM B633 SC3
GRN	Dura-Green	TT-C-490B
GALV	Pre-Galvanized	ASTM A653 SS

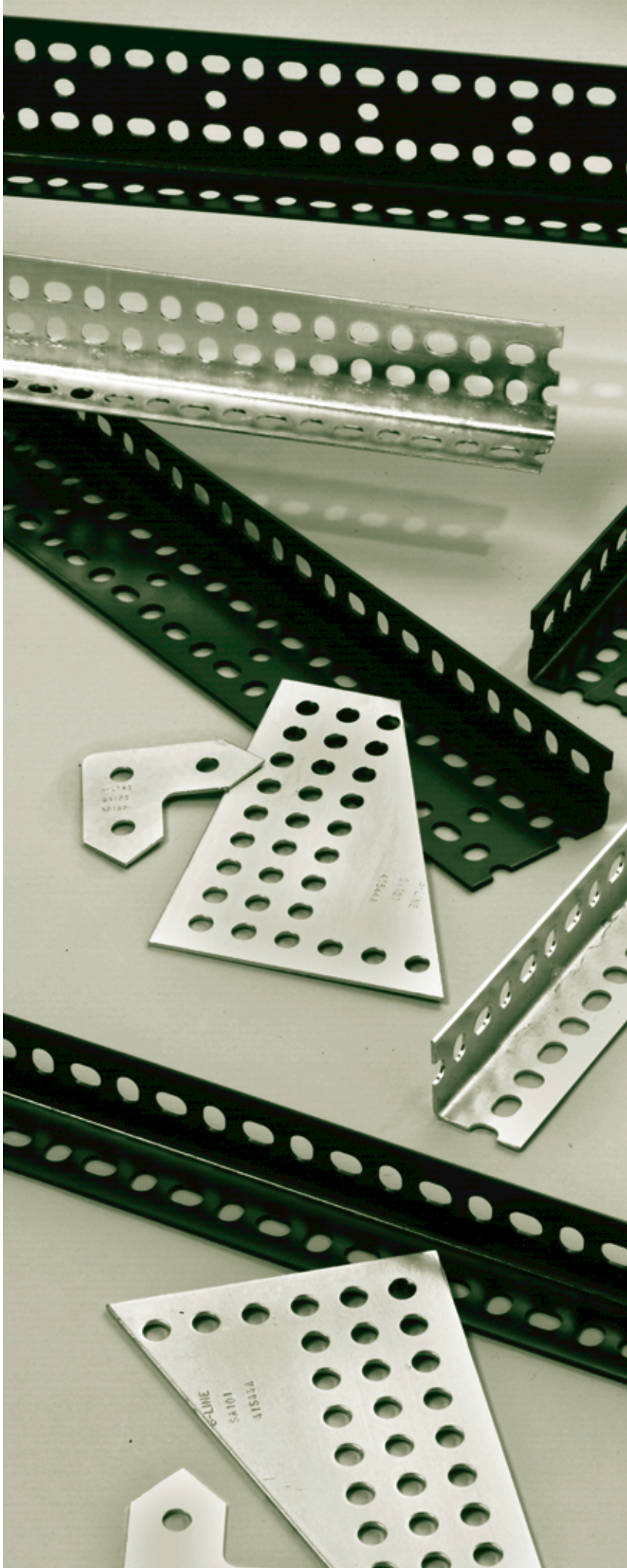
*Unless otherwise noted.

Lengths

Standard lengths are 10' (3.05 m) and 12' (3.66 m). Slotted Angle is shipped in ten piece bundles complete with 75 pieces of 3/8" x 3/4" (19) hex head cap screws and 3/8" hex nuts.

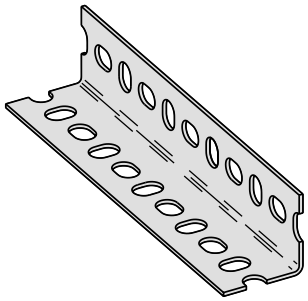
Metric

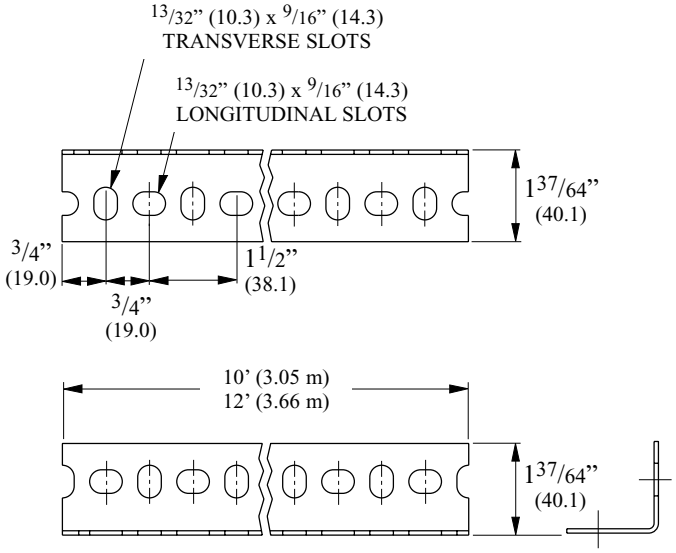
Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.



SA158

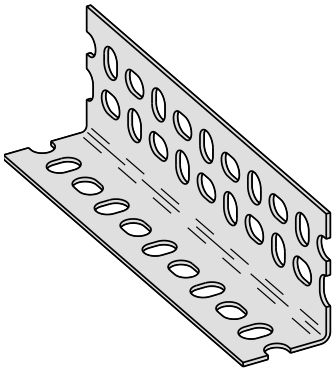
- 14 Gauge (1.9)
- 1 5/8" x 1 5/8"
- Standard finishes: ZN, GRN
- Wt./Ft. .66 Lbs. (.98 kg/m)

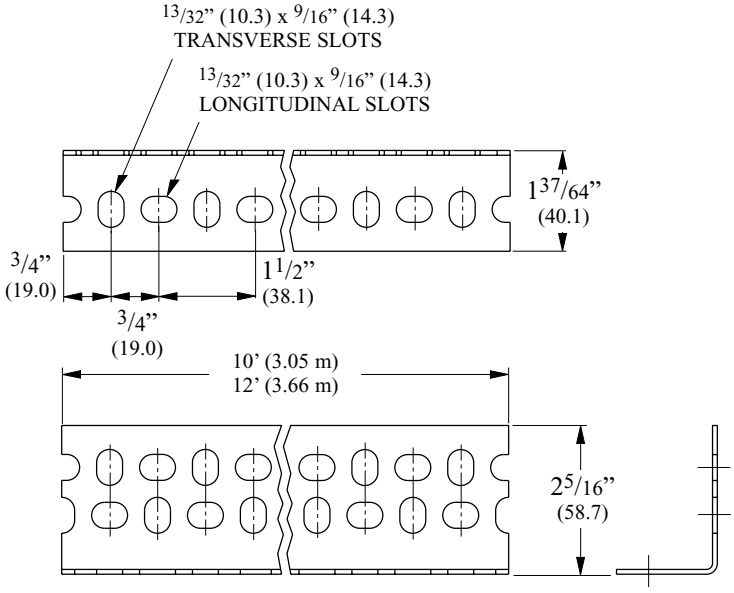




SA276

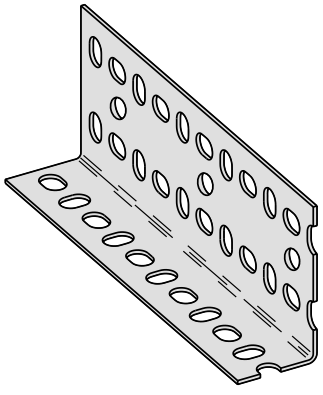
- 14 Gauge (1.9)
- 1 5/8" x 2 3/8"
- Standard finishes: ZN, GRN
- Wt./Ft. .78 Lbs. (1.17 kg/m)

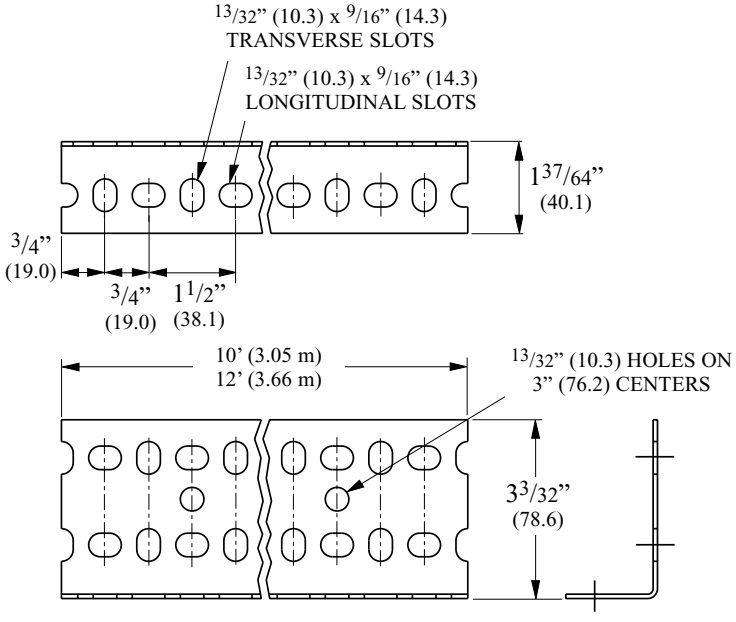




SA318

- 12 Gauge (2.6)
- 1 5/8" x 3 1/8"
- Standard finishes: ZN, GRN
- Wt./Ft. 1.32 Lbs. (1.96 kg/m)





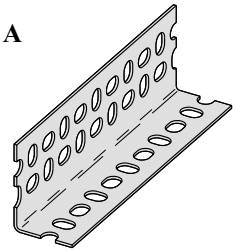
Reference page 196 for general fitting and standard finish specifications.

SLOTTED ANGLE

B-Line

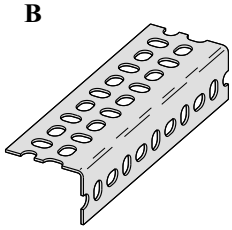
BEAM SECTIONS

A



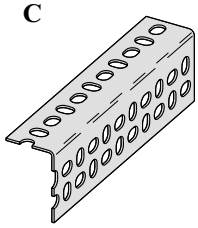
Single Piece (Up)

B



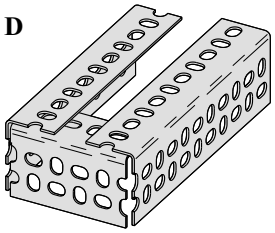
Single Piece (Level)

C



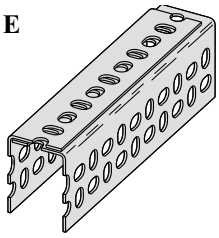
Single Piece (Down)

D



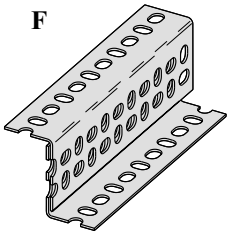
Single Piece with Stiffener

E



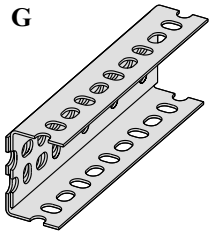
Narrow Channel

F



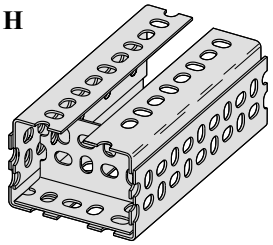
Z-Section

G



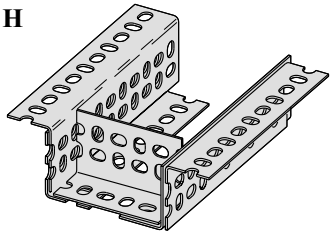
Broad Channel

H



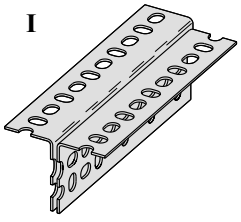
Broad Channel with Stiffener

H



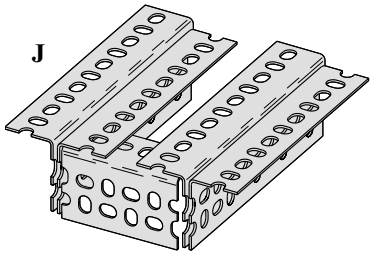
Z-Section with Stiffener

I



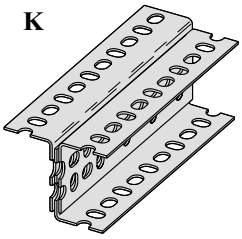
T-Section

J



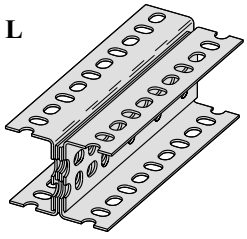
T-Section with Stiffener

K



J-Section

L



I-Section

For greater strength required in some applications, Slotted Angle may be fastened together to create combination shapes. A number of these combinations are illustrated above. Refer to the following table for load capacities of these combinations.

Beam Sections illustrated are single sections, except J, N, and P.

BEAM LOADING

SA158-1 5/8" (41.3) x 1 5/8"(41.3) x 14 Gauge (1.9)

	Beam Span													
	24" (609 mm)		36" (914 mm)		48" (1219 mm)		60" (1524 mm)		72" (1829 mm)		84" (2133 mm)		96" (2438 mm)	
	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N
A	825	(3670)	525	(2335)	340	(1512)	230	(1023)	180	(800)	–	–	–	–
B	1100	(4893)	800	(3558)	540	(2402)	370	(1646)	250	(1112)	–	–	–	–
C	1100	(4893)	800	(3558)	540	(2402)	370	(1646)	250	(1112)	–	–	–	–
D	1300	(5782)	900	(4003)	625	(2780)	450	(2001)	330	(1468)	275	(1223)	200	(889)
G	1900	(8451)	1360	(6049)	1050	(4670)	825	(3670)	660	(2936)	530	(2357)	400	(1779)
H	2300	(10231)	1850	(8229)	1450	(6450)	1100	(4893)	950	(4226)	800	(3558)	700	(3114)
I	2200	(9786)	1650	(7339)	1225	(5449)	930	(4137)	700	(3114)	550	(2446)	450	(2001)

Based on simple beam condition with uniform loads on parallel beams. To determine concentrated load capacity at mid-span, multiply uniform load by 0.5.

Reference page 196 for general fitting and standard finish specifications.

BEAM LOADING
SA276-1 5/8" (41.3) x 2 3/8"(60.3) x 14 Gauge (1.9)

	Beam Span																	
	24" (609 mm)		36" (914 mm)		48" (1219 mm)		60" (1524 mm)		72" (1829 mm)		84" (2133 mm)		96" (2438 mm)		108" (2743 mm)		120" (3048 mm)	
	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N
A	–	–	680	(3025)	450	(2001)	340	(1512)	–	–	–	–	–	–	–	–	–	–
B	–	–	830	(3692)	550	(2446)	360	(1601)	210	(934)	150	(667)	–	–	–	–	–	–
C	–	–	1540	(6850)	1060	(4715)	800	(3558)	610	(2713)	480	(2135)	340	1512	250	(1112)	–	–
D	–	–	1880	(8362)	1280	(5694)	970	(4315)	820	(3647)	650	(2891)	550	(2446)	420	(1868)	340	(1512)
E	–	–	2110	(9386)	1730	(7695)	1460	(5775)	1250	(5560)	1090	(4848)	920	(4092)	820	(3647)	680	(3025)
F	4290	(19083)	2510	(11165)	1790	(7962)	1330	(5916)	980	(4359)	710	(3158)	550	(2446)	420	(1868)	320	(1423)
G	4320	(19216)	3000	(13344)	2140	(9519)	1600	(7117)	1290	(5738)	1040	(4626)	820	(3647)	640	(2847)	490	(2179)
H	–	–	3480	(15480)	2430	(10809)	1890	(8407)	1620	(7206)	1430	(6361)	1270	(5649)	1160	(5160)	1030	(4581)
I	5780	(25711)	3640	(16191)	2820	(12544)	2200	(9786)	1700	(7562)	1350	(6005)	1060	(4715)	850	(3781)	680	(3025)
J	–	–	3660	(16280)	2840	(12633)	2230	(9919)	1720	(7651)	1360	(6049)	1090	(4848)	874	(3888)	700	(3114)
K	–	–	4910	(21841)	3830	(17036)	3000	(13344)	2550	(11343)	2190	(9741)	1880	(8362)	1640	(7295)	1430	(6361)
L	–	–	6360	(28290)	4590	(20417)	3470	(15435)	2910	(12944)	2550	(11343)	2240	(9964)	2010	(8941)	1840	(8185)

Based on simple beam condition with uniform loads on parallel beams. To determine concentrated load capacity at mid-span, multiply uniform load by 0.5.

BEAM LOADING
SA318-1 5/8" (41.3) x 3 1/8"(79.4) x 12 Gauge (2.6)

	Beam Span																	
	24" (609 mm)		36" (914 mm)		48" (1219 mm)		60" (1524 mm)		72" (1829 mm)		84" (2133 mm)		96" (2438 mm)		108" (2743 mm)		120" (3048 mm)	
	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N
A	–	–	1140	(5071)	850	(3781)	690	(3069)	–	–	–	–	–	–	–	–	–	–
B	–	–	1250	(5560)	850	(3781)	600	(2669)	400	(1779)	–	–	–	–	–	–	–	–
C	4800	(21351)	2750	(12232)	1800	(8007)	1280	(5694)	1000	(4448)	790	(3514)	610	(2713)	–	–	–	–
D	–	–	3900	(17348)	2690	(11966)	2050	(9119)	1700	(7562)	1480	(6583)	1280	(5694)	1100	(4893)	960	(4270)
E	–	–	4160	(18504)	3560	(15835)	3130	(13923)	2750	(12232)	2400	(10676)	2170	(9652)	1950	(8674)	1780	(7918)
F	8180	(36386)	5000	(22241)	3650	(16236)	2750	(12232)	2200	(9786)	1750	(7784)	1350	(6005)	1020	(4537)	700	(3114)
G	10600	(47151)	6050	(26912)	4440	(19750)	3330	(14812)	2670	(11877)	2120	(9430)	1660	(7384)	1210	(5382)	1000	(4448)
H	–	–	6100	(27134)	4620	(20551)	3670	(16325)	3110	(13834)	2680	(11921)	2380	(10587)	2100	(9341)	1950	(8674)
I	13700	(60940)	7800	(34696)	5900	(26244)	4600	(20462)	3800	(16903)	3190	(14190)	2630	(11699)	2170	(9652)	1810	(8051)
J	–	–	7900	(35141)	6300	(28024)	5050	(22463)	4070	(18104)	3240	(14412)	2630	(11699)	2170	(9652)	1810	(8051)
K	–	–	10050	(44704)	8000	(35586)	6320	(28113)	5350	(23798)	4650	(20684)	4040	(17971)	3520	(15658)	3120	(13878)
L	–	–	12700	(56492)	9550	(42480)	7540	(33539)	6540	(29091)	5730	(25488)	5030	(22374)	4520	(20106)	4000	(17793)

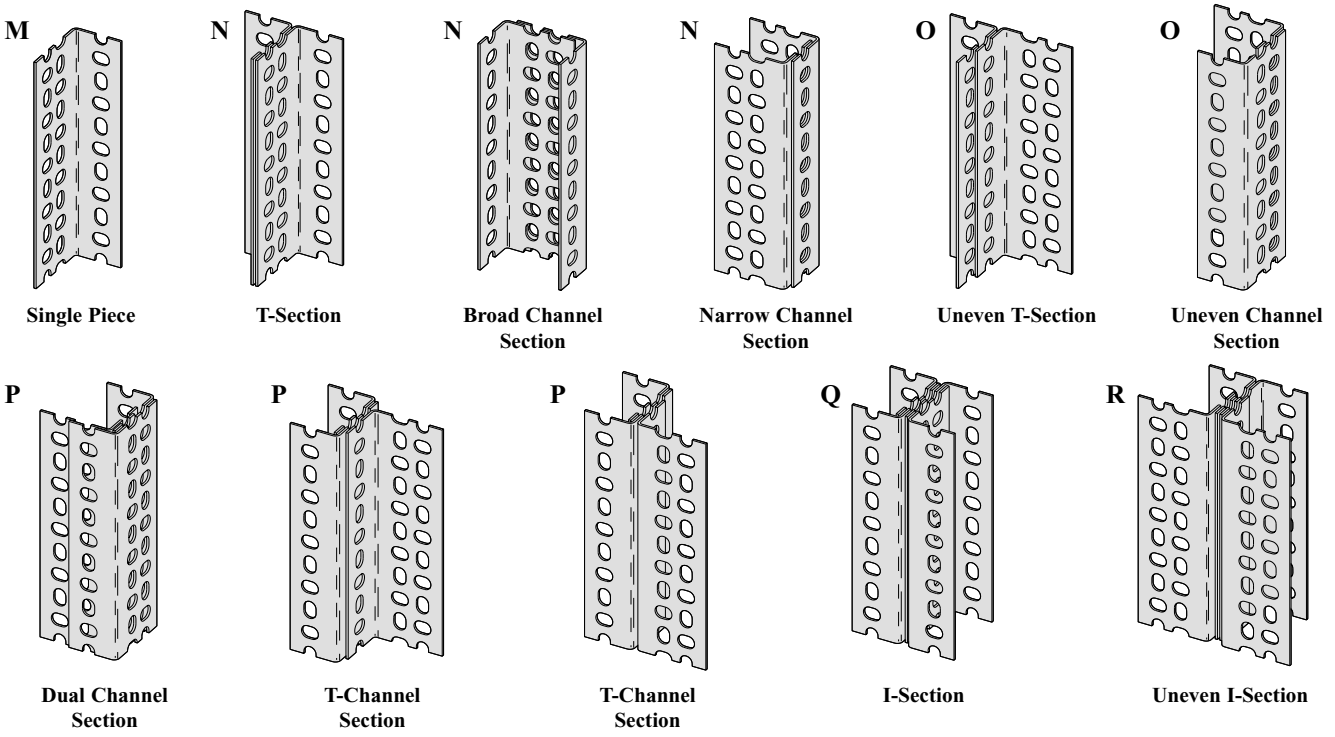
Based on simple beam condition with uniform loads on parallel beams. To determine concentrated load capacity at mid-span, multiply uniform load by 0.5.

Reference page 196 for general fitting and standard finish specifications.

SLOTTED ANGLE

B-Line

COLUMN SECTIONS



For greater strength required in some applications, Slotted Angle may be fastened together to create combination shapes. A number of these combinations are illustrated above. Refer to the following table for load capacities of these combinations.

COLUMN LOADING

SA158-1 5/8" (41.3) x 1 5/8"(41.3) x 14 Gauge (1.9)

	Column Height							
	36" (914 mm)		48" (1219 mm)		60" (1524 mm)		72" (1829 mm)	
	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N
M	1450	(6450)	1150	(5115)	950	(4226)	750	(3336)
N	3850	(17125)	3500	(15569)	3000	(13344)	2500	(11120)

Column Loads assume no lateral support.

COLUMN LOADING

SA276-1 5/8" (41.3) x 2 3/8"(60.3) x 14 Gauge (1.9)

	Column Height															
	36" (914 mm)		48" (1219 mm)		60" (1524 mm)		72" (1829 mm)		84" (2133 mm)		96" (2438 mm)		108" (2743 mm)		120" (3048 mm)	
	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N
M	2280	(10142)	1970	(8763)	1520	(6761)	1070	(4759)	660	(2936)	–	–	–	–	–	–
N	4760	(21173)	4490	(19972)	3995	(17770)	3140	(13967)	2340	(10409)	1750	(7784)	–	–	–	–
O	4940	(21974)	4680	(20817)	4310	(19172)	3870	(17214)	3665	(16303)	2700	(12010)	2060	(9163)	1610	(7161)
P	7270	(32338)	6920	(30781)	6370	(28335)	5840	(25977)	4930	(21930)	3850	(17125)	2870	(12766)	2060	(9163)
Q	9520	(42347)	8970	(39900)	7990	(35541)	6280	(27935)	4660	(20729)	3500	(15569)	–	–	–	–
R	9865	(43881)	9330	(41502)	8620	(38343)	7715	(34318)	6740	(29981)	5365	(23865)	4115	(18304)	3210	(14279)

Column Loads assume no lateral support.

Reference page 196 for general fitting and standard finish specifications.

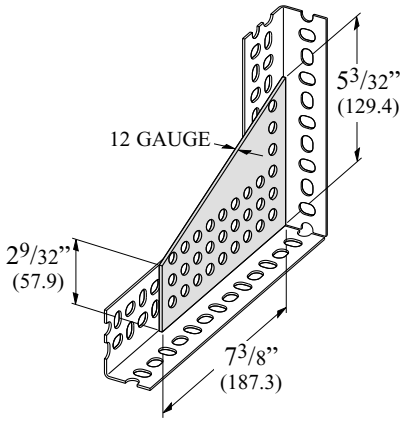
COLUMN LOADING

SA318-1 5/8" (41.3) x 3 1/8"(79.4) x 12 Gauge (2.6)

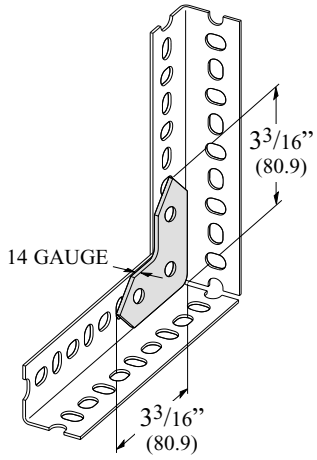
	Column Height															
	36" (914 mm)		48" (1219 mm)		60" (1524 mm)		72" (1829 mm)		84" (2133 mm)		96" (2438 mm)		108" (2743 mm)		120" (3048 mm)	
	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N	Lbs.	N
M	3470	(15435)	2870	(12766)	1970	(8763)	1280	(5694)	–	–	–	–	–	–	–	–
N	7970	(35452)	7360	(32739)	6570	(29225)	5270	(23442)	3670	(16325)	2580	(11476)	–	–	–	–
O	8770	(39011)	8580	(38166)	8180	(36386)	7690	(34207)	6970	(31004)	6260	(27846)	5460	(24287)	4460	(19839)
P	12560	(55869)	11970	(53245)	11360	(50532)	10480	(46617)	9470	(42124)	8370	(37231)	6880	(30604)	5370	(23887)
Q	15940	(70904)	14750	(65611)	13160	(58538)	10560	(46973)	7370	(32783)	5170	(22997)	–	–	–	–
R	17550	(78066)	17150	(76287)	16360	(72773)	15360	(68324)	13970	(62141)	12570	(55914)	10970	(48797)	8960	(39856)

Column Loads assume no lateral support.

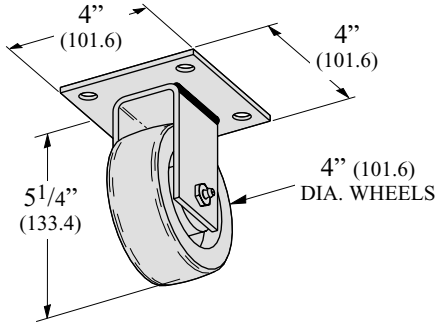
SA101
CONNECTION PLATE
- Standard finishes: ZN, GRN
- Wt./C 67 Lbs. (30.4 kg)



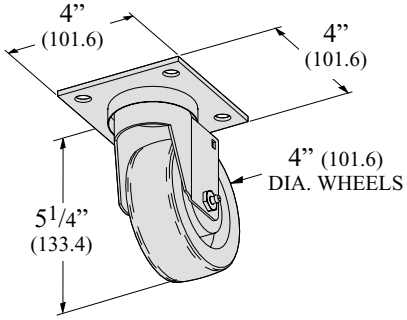
SA102
ANGLE BRACE
- Standard finishes: ZN, GRN
- Wt./C 15 Lbs. (6.8 kg)



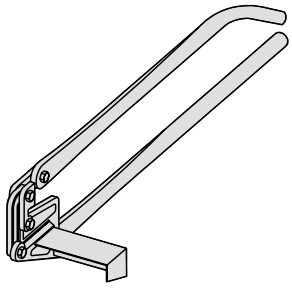
SA154
RIGID CASTER
- Safety Factor of 1.5
- 300 Lbs. (136.1 kg) maximum load capacity
- Caster material: Phenolic
- Standard finishes: ZN, GRN
- Wt./Ea. 2.0 Lbs. (.91 kg)



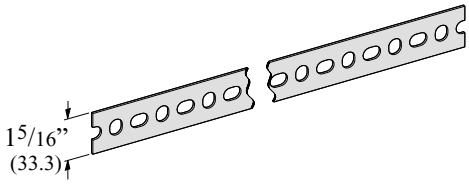
SA155
SWIVEL CASTER
- Safety Factor of 1.5
- 300 Lbs. (136.1 kg) maximum load capacity
- Caster material: Phenolic
- Standard finishes: ZN, GRN
- Wt./Ea. 2.2 Lbs. (1.0 kg)



SA110
SLOTTED ANGLE CUTTER
- Standard finishes:
- Wt./Ea. 16 Lbs. (7.26 kg)



SA131
SLOTTED STRAP
- Hole pattern is identical to the hole pattern in slotted angles
- Standard length: 10' (3.05 m)
- Standard finishes: ZN, GRN
- Material thickness: 14 gauge (1.9)



CLEATS: To reinforce load-bearing joints, cleats can be field made by cutting 2 1/4" (57.1) long segments from the widest slotted angle available. Use SA276 for light duty cleats and SA318 for heavy duty cleats.

SPLICE PLATES: To assemble two pieces of slotted angle using a butt joint requires a 6" (152.4) splice plate for reinforcement.

Reference page 196 for general fitting and standard finish specifications.

REFERENCE DATA

B-Line

METRIC CONVERSION CHART

To Convert From	To	Multiply By
Angle		
degree	radian (rad)	1.745329×10^{-2}
radian (rad)	degree	$5.729578 \times 10^{+1}$
Area		
foot^2	square meter (m^2)	9.290304×10^{-2}
inch^2	square meter (m^2)	6.451600×10^{-4}
circular mil	square meter (m^2)	5.067075×10^{-10}
sq. centimeter (cm^2)	square inch (in^2)	1.550003×10^{-1}
square meter (m^2)	foot^2	$1.076391 \times 10^{+1}$
square meter (m^2)	inch^2	$1.550003 \times 10^{+3}$
square meter (m^2)	circular mil	$1.973523 \times 10^{+9}$
Temperature		
degree Fahrenheit	degree Celsius	$t^{oC}=(t^{oF}-32)/1.8$
degree Celsius	degree Fahrenheit	$t^{oF}=1.8t^{oC}+32$
Force		
pounds-force (lbf)	newtons (N)	$4.448222 \times 10^{\circ}$

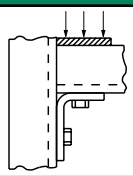
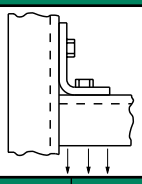
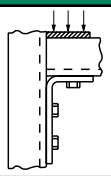
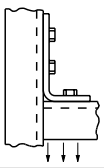
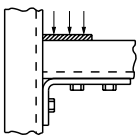
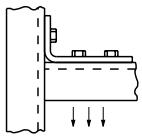
To Convert From	To	Multiply By
Length		
foot (ft)	meter (m)	3.048000×10^{-1}
inch (in)	meter (m)	2.540000×10^{-2}
mil	meter (m)	2.540000×10^{-5}
inch (in)	micrometer (µm)	$2.540000 \times 10^{+4}$
meter (m)	foot (ft)	3.280840
meter (m)	inch (in)	$3.937008 \times 10^{+1}$
meter (m)	mil	$3.937008 \times 10^{+4}$
micrometer (µm)	inch (in)	3.937008×10^{-5}
Volume		
foot^3	cubic meter (m^3)	2.831685×10^{-2}
inch^3	cubic meter (m^3)	1.638706×10^{-5}
cubic centimeter (cm^2)	cubic inch (in^3)	6.102374×10^{-2}
cubic meter (m^3)	foot^3	$3.531466 \times 10^{+1}$
cubic meter (m^3)	inch^3	$6.102376 \times 10^{+4}$
gallon (U.S. liquid)	cubic meter (m^3)	3.785412×10^{-3}
Section Properties		
section modulus S (in^3)	S (m^3)	1.638706×10^{-5}
moment of inertia I (in^4)	I (m^4)	4.162314×10^{-7}
modulus of elasticity E (psi)	E (Pa)	$6.894757 \times 10^{+3}$
section modulus S (m^3)	S (in^3)	$6.102374 \times 10^{+4}$
moment of inertia I (m^4)	I (in^4)	$2.402510 \times 10^{+6}$
modulus of elasticity E (Pa)	E (psi)	1.450377×10^{-4}

To Convert From	To	Multiply By
Bending Moment or Torque		
lbf • ft	newton meter (N•m)	1.355818
lbf • in	newton meter (N•m)	1.129848×10^{-1}
N•m	lbf • ft	7.375621×10^{-1}
N•m	lbf • in	8.850748
Mass		
ounce (avoirdupois)	kilogram (kg)	2.834952×10^{-2}
pound (avoirdupois)	kilogram (kg)	4.535924×10^{-1}
ton (short, 2000 lb)	kilogram (kg)	$9.071847 \times 10^{+2}$
ton (long, 2240 lb)	kilogram (kg)	$1.016047 \times 10^{+3}$
kilogram (kg)	ounce (avoirdupois)	$3.527396 \times 10^{+1}$
kilogram (kg)	pound (avoirdupois)	2.204622
kilogram (kg)	ton (short, 2000 lb)	1.102311×10^{-3}
kilogram (kg)	ton (long, 2240 lb)	9.842064×10^{-4}
Mass Per Unit Length		
lb/ft	kilogram per meter (kg/m)	1.488164
lb/in	kilogram per meter (kg/m)	$1.785797 \times 10^{+1}$
kg/m	lb/ft	6.719689×10^{-1}
kg/m	lb/in	5.599741×10^{-1}
Mass Per Unit Volume		
lb/ft^3	kilogram per cubic meter (kg/m^3)	$1.601846 \times 10^{+1}$
lb/in^3	kilogram per cubic meter (kg/m^3)	$2.767990 \times 10^{+4}$
kg/m^3	lb/ft^3	6.242797×10^{-2}
kg/m^3	lb/in^3	3.612730×10^{-5}
lbs/ft^3	lbs/in^3	5.787037×10^{-4}
Mass Per Unit Area		
lb/ft^2	kilogram per square meter (kg/m^2)	4.882428
kg/m^2	pound per square foot (lb/ft^2)	2.048161×10^{-1}
Pressure or Stress		
lbf/in^2 (psi)	pascal (Pa)	$6.894757 \times 10^{+3}$
kip/in^2 (ksi)	pascal (Pa)	$6.894757 \times 10^{+6}$
lbf/in^2 (psi)	megapascals (MPa)	6.894757×10^{-3}
pascal (Pa)	pound-force per square inch (psi)	1.450377×10^{-4}
pascal (Pa)	kip per square inch (ksi)	1.450377×10^{-7}
megapascals (MPa)	lbf/in^2 (psi)	$1.450377 \times 10^{+2}$

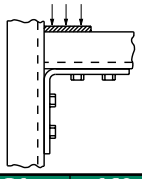
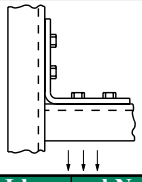
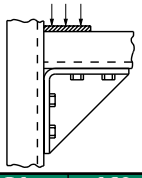
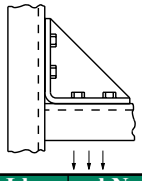
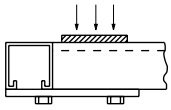
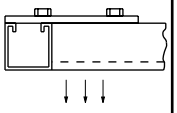
Abbreviations	
Defl.	= Deflection
S.F.	= Safety Factor
Ft.	= Feet
Pre-galv.	= Pre-galvanized Steel
K Factor	= Deflection Divided by load in Lbs./Ft.
o.c.	= On Center
PVC	= Poly Vinyl Chloride
In.	= Inch
psi	= Pounds per Square Inch
wt./c	= Weight pre 100 pieces

Metric Symbols	
m	= meter
cm	= centimeter
mm	= millimeter
µm	= micrometer
kg	= kilogram
N	= newton
kN	= kilonewton
Pa	= pascal
MPa	= megapascal

DESIGN LOAD DATA (For typical channel-fitting connections when USED IN PAIRS).

Channel Thickness		90° Fittings											
													
		Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN
12 ga.	(2.6)	1500	(6.67)	1000	(4.45)	2000	(8.90)	1500	(6.67)	1500	(6.67)	1000	(4.45)
14 ga.	(1.9)	1000	(4.45)	650	(2.89)	1500	(6.67)	1150	(5.12)	1000	(4.45)	650	(2.89)
16 ga.	(1.5)	750	(3.34)	500	(2.22)	900	(4.00)	650	(2.89)	1000	(4.45)	500	(2.22)

Design load data includes a safety factor of 2.5 (safety factor = ratio of ultimate load to design load).

Channel Thickness		90° Fittings								Flat Fittings			
													
		Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN	Lbs.	kN
12 ga.	(2.6)	2500	(11.12)	2000	(8.90)	3000	(13.34)	2500	(11.12)	1000	(4.45)	1000	(4.45)
14 ga.	(1.9)	2000	(8.90)	1650	(7.34)	2000	(8.90)	1650	(7.34)	500	(3.56)	800	(3.56)
16 ga.	(1.5)	1500	(6.67)	1250	(5.56)	1500	(6.67)	1250	(5.56)	600	(2.67)	600	(2.67)

General Notes for Strut-Type Channel Raceway

Guide RIUU - B-Line Systems, Inc., Highland, IL 62249 December 11, 1998 (C) File No. E29637
FLUORESCENT AND INCANDESCENT LIGHTING

Suitable for not more than the number of wires of the sizes and types indicated in the following tables. Intended to enclose circuits operating at potentials not exceeding 600 volts between conductors. In all cases, the B217-20 or B217P snap-in cover is required to complete raceway closure. When using B217-24 snap-in cover, the number of wires is limited to 7 or fewer conductors no larger than #12 AWG.

B-Line's strut-type channel raceways and fittings are manufactured and tested to comply with the UL Standard for Safety for Strut-Type Channel Raceways and Fittings (UL 5B) in accordance with Article 352, Part C of the National Electrical Code, NFPA 70.

1. Support spans for strut-type channel raceway shall not exceed 10 foot intervals.

2. No conductor larger than that for which the raceway is listed shall be installed in strut-type channel raceways. No wires under 14AWG or over 6AWG are allowed in any of B-Line's strut-type channel raceway. See tables 1, 2 and 3 below for a listing of the approved conductors for B-Line's strut-type channel raceways.

3. The number of conductors permitted in strut-type channel raceway shall not exceed the percentage fill using Table 352-45 and the applicable outside diameter of specific types and sizes of wire given in the tables in chapter 9 of the National Electrical Code. Table 352-45 lists two different percent fill areas depending on the use of internal or external joiners. Use 40% area fill with external joiners and 25% area fill for internal joiners.

4. Items in the electrical section of the B-Line Strut Systems Catalog identified by the UL symbol provide for electrical continuity. Other items require the use of a separate grounding wire.

5. If strut-type channel raceway is connected to another wiring system, the raceway must be field-tapped adjacent to the wire entry point to accept a #10-32 or larger grounding screw. A plated or stainless steel screw may be used. A sheet metal screw is not acceptable. Drill and tap the grounding wire hole before installing wires in raceway or move installed wires out of the way to avoid damage. After drilling and tapping, remove metal chips and burrs before installing screw.

TABLE 1: MAXIMUM NUMBER OF WIRES (Adjusted per NEC Table 352-45 for 40% fill)

Use this table to determine the type and number of conductors for use with B-Line's strut-type channel raceway using external joiners. This table applies for all installations except for the support and supply of electric discharge type lighting fixtures. See table 2 and 3 for further information.

Insulation Type	Wire Size AWG.	B11 B11K06	B12 B12K06	B22 B22K06	B24 B24K06	B26 B26K06	B32 B32K06	B56 B56K06
FEP, FEPB	14	172	127	81	81	81	67	36
	12	126	92	59	59	59	49	26
	10	90	66	42	42	42	35	19
	8	51	38	24	24	24	20	11
	6	24	17	11	12	12	9	5
RH, RHH, RHW	14	52	38	24	26	27	20	12
	12	45	33	21	22	23	17	10
	10	37	27	17	18	19	14	8
	8	20	14	9	10	10	7	4
	6	14	10	6	7	7	5	3
T, TW	14	124	91	58	58	58	48	26
	12	95	70	45	45	45	37	20
	10	69	51	33	33	33	27	14
	8	36	26	17	18	19	14	8
	6	21	15	9	10	11	8	5
THHN, THWN	14	178	131	84	84	84	69	37
	12	130	95	61	61	61	50	27
	10	82	60	38	38	38	32	17
	8	46	34	21	22	22	17	10
	6	33	24	15	16	16	12	7
THW	14	82	61	39	39	39	32	17
	12	66	49	31	31	31	26	14
	10	52	38	24	24	24	20	11
	8	29	21	13	14	15	11	6
	6	21	15	10	10	11	8	5
XHHW	14	124	91	58	58	58	48	26
	12	95	70	45	45	45	37	20
	10	71	52	33	33	33	28	15
	8	37	27	17	19	19	14	8
	6	27	20	13	14	14	10	6

TABLE 2: MAXIMUM NUMBER OF WIRES

Also suitable for the number of wires in table below when installed to support and supply *electric discharge type lighting fixtures* when raceway wiring is suitable for at least **70°C and clearance between fixture and raceway is at least 1/8".** In all cases, a snap-in cover is required to complete the raceway enclosure.

Wire Size	Raceway Catalog Wires						
	B11 B11K06	B12 B12K06	B22 B22K06	B24 B24K06	B26 B26K06	B32 B32K06	B56 B56K06
Type Insulation: FEP, FEPB, RH, RHH, RHW, RUH, THHN, THWN, THW, XHHW							
14	13	10	10	10	10	10	6
12	13	10	10	10	10	10	6
10	13	10	8	8	8	6	–
8	10	8	6	6	6	4	–
6	8	6	4	4	4	3	–

When using B217-24 snap-in cover, the number of wires is limited to 7 or fewer conductors no larger than #12 AWG.

TABLE 3: MAXIMUM NUMBER OF WIRES

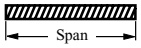
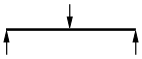
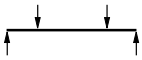
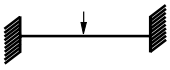
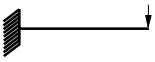
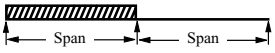
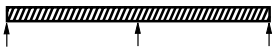
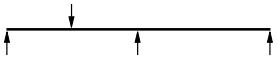
Also suitable for the number of wires in table below when installed to support and supply *electric discharge type lighting fixtures* when raceway wiring is suitable for 75°C, **or** wiring suitable for 60°C **if a minimum clearance between fixture and raceway is at least 1/2".** In all cases, a snap-in cover is required to complete the raceway enclosure.

Wire Size	Raceway Catalog Wires						
	B11 B11K06	B12 B12K06	B22 B22K06	B24 B24K06	B26 B26K06	B32 B32K06	B56 B56K06
Type Insulation: FEP, FEPB, RH, RHH, RHW, RUH, THHN, THWN, THW, XHHW							
14	10	10	10	10	10	10	4
12	10	10	10	10	10	10	3
10	8	5	5	5	5	5	–
8	6	4	4	4	4	4	–
6	4	4	4	4	4	4	–

When using B217-24 snap-in cover, the number of wires is limited to 7 or fewer conductors no larger than #12 AWG.

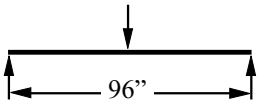
REFERENCE DATA

The data shown in the beam load charts for appropriate channels on page(s) 17 thru 39 is for simply supported, single span beams with a uniformly distributed load. For other loading and/or support conditions, use the appropriate factor from the chart below.

LOAD AND SUPPORT CONDITION	Load Factor	Deflection Factor
Simple Beam - Uniform Load 	1.00	1.00
Simple Beam - Concentrated Load at Center 	.50	.80
Simple Beam - Two Equal Concentrated Loads at 1/4 Points 	1.00	1.10
Beam Fixed at Both Ends - Uniform Load	1.50	.30
Beam Fixed at Both Ends - Concentrated Load at Center 	1.00	.40
Cantilever Beam - Uniform Load	.25	2.40
Cantilever Beam - Concentrated Load at End 	.12	3.20
Continuous Beam - Two Equal Spans - Uniform Load on One Span 	1.30	.92
Continuous Beam - Two Equal Spans - Concentrated Load on Both Spans 	1.00	.42
Continuous Beam - Two Equal Spans - Concentrated Load at Center of One Span 	.62	.71
Continuous Beam - Two Equal Spans - Concentrated Load at Center of Both Spans	.67	.48

EXAMPLES:

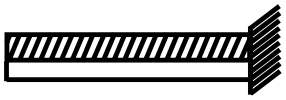
PROBLEM:
Calculate the maximum allowable load and corresponding deflection of a simply supported B22 beam with a concentrated load at midspan as shown.



SOLUTION:
From beam load chart for B22 (page 22), maximum allowable load is A and the corresponding deflection is B.
Multiplying by the appropriate factors shown in the chart above.

LOAD = A x load factor = _____
DEFLECTION = B x deflection factor =

PROBLEM:
Calculate the maximum allowable load and corresponding deflection of a cantilever B52 beam with a uniformly distributed load.



SOLUTION:
From beam load chart for B52 (page 33), maximum allowable load is A and the corresponding deflection is B.
Multiplying by the appropriate factors shown in chart above.

LOAD = A x load factor = _____
DEFLECTION = B x deflection factor = _____

RIGID STEEL CONDUIT (HEAVY WALL CONDUIT)

Nominal Conduit Size In.	mm	Outside Diameter In.	mm	Nominal Inside Diameter In.	mm	Minimum Weight Per 100 Ft. (30.5m) with Couplings Attached Lbs.	kg	Weight of Conduit and Conductors Per 100 Ft. (30.5m)* Lbs.	kg
3/8”	(10)	0.675	(17.1)	0.493	(12.5)	51.5	(23.4)	65.1	(29.5)
1/2”	(15)	0.840	(21.3)	0.632	(16.0)	79.0	(35.8)	101.1	(45.9)
3/4”	(20)	1.050	(26.7)	0.836	(21.3)	105.0	(47.6)	145.8	(66.1)
1”	(25)	1.315	(33.4)	1.063	(27.0)	153.0	(69.4)	219.3	(99.5)
1 1/4”	(32)	1.660	(42.2)	1.394	(35.4)	201.0	(91.2)	318.3	(144.4)
1 1/2”	(40)	1.900	(48.3)	1.624	(41.3)	249.0	(113.0)	408.8	(185.4)
2”	(50)	2.375	(60.3)	2.083	(52.9)	332.0	(150.6)	593.8	(269.3)
2 1/2”	(65)	2.875	(73.0)	2.489	(63.2)	527.0	(239.1)	901.0	(408.7)
3”	(80)	3.500	(88.9)	3.090	(78.5)	682.6	(309.6)	1259.0	(571.1)
3 1/2”	(90)	4.000	(101.6)	3.570	(90.7)	831.0	(376.9)	1604.0	(727.6)
4”	(100)	4.500	(114.3)	4.050	(102.9)	972.3	(441.0)	1967.0	(892.2)
5”	(125)	5.563	(141.3)	5.073	(128.9)	1313.6	(595.9)	2876.0	(1304.5)
6”	(150)	6.625	(168.3)	6.093	(154.8)	1745.3	(791.7)	4003.0	(1815.7)

Dimensions taken from ANSI C80.1-1977.

*Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.

INTERMEDIATE METAL CONDUIT (IMC)

Nominal Conduit Size In.	mm	Outside Diameter In.	mm	Nominal Inside Diameter In.	mm	Minimum Weight Per 100 Ft. (30.5m) with Couplings Attached Lbs.	kg	Weight of Conduit and Conductors Per 100 Ft. (30.5m)* Lbs.	kg
1/2”	(15)	0.815	(20.7)	.675	(17.1)	60.0	(27.2)	82.1	(37.2)
3/4”	(20)	1.029	(26.1)	.879	(22.3)	82.0	(37.2)	122.8	(55.7)
1”	(25)	1.290	(32.7)	1.120	(28.4)	116.0	(52.6)	182.3	(82.7)
1 1/4”	(32)	1.638	(41.6)	1.468	(37.3)	150.0	(68.0)	267.3	(121.2)
1 1/2”	(40)	1.883	(47.7)	1.703	(43.3)	182.0	(82.5)	341.8	(155.0)
2”	(50)	2.360	(59.9)	2.170	(55.1)	242.0	(109.7)	503.8	(228.5)
2 1/2”	(65)	2.857	(72.5)	2.597	(66.0)	428.0	(194.1)	775.0	(351.5)
3”	(80)	3.476	(88.3)	3.216	(81.7)	526.0	(238.6)	1069.0	(485.0)
3 1/2”	(90)	3.971	(100.8)	3.711	(94.3)	612.0	(277.6)	1346.0	(610.8)
4”	(100)	4.466	(113.4)	4.206	(106.8)	682.0	(309.4)	1632.0	(740.5)

*Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.

Rigid and Intermediate Metal Conduit shall be supported at least every 10 feet (3.05 m) and within 3 feet (914 mm) of each outlet box, junction box, cabinet, or fitting, except for straight runs of conduit connected with couplings which may be supported in accordance with NEC Article 345 and 346, provided such supports prevent transmission of stresses to termination where conduit is deflected between supports.

NEC TABLE 346-12

Conduit Size In.	mm	Maximum Support Span Feet	Meters
1/2-3/4	(15-20)	10	(3.05)
1	(25)	12	(3.66)
1 1/4-1 1/2	(32-40)	14	(4.27)
2-2 1/2	(50-65)	16	(4.88)
3-6	(80-150)	20	(6.10)

REFERENCE DATA

B-Line

ELECTRICAL METALLIC TUBING (EMT) — THINWALL CONDUIT

Nominal Conduit Size In.	mm	Outside Diameter In.	mm	Inside Diameter In.	mm	Weight Per 100 Ft. (30.5m) Lbs.	kg	Weight of Conduit and Conductors Per 100 Ft. (30.5m)* Lbs.	kg
3/8”	(10)	0.577	(14.7)	0.493	(12.5)	23.0	(10.4)	36.6	(16.6)
1/2”	(15)	0.706	(17.9)	0.622	(15.8)	28.5	(12.9)	50.6	(23.0)
3/4”	(20)	0.922	(23.4)	0.824	(20.9)	43.5	(19.7)	84.3	(38.2)
1”	(25)	1.163	(29.5)	1.049	(26.6)	64.0	(29.0)	130.3	(59.1)
1 1/4”	(32)	1.510	(38.3)	1.380	(35.1)	95.0	(43.1)	212.3	(96.3)
1 1/2”	(40)	1.740	(44.2)	1.610	(40.9)	110.0	(49.9)	269.8	(122.4)
2”	(50)	2.197	(55.8)	2.067	(52.5)	140.0	(63.5)	401.8	(182.3)
2 1/2”	(65)	2.875	(73.0)	2.731	(69.4)	205.0	(93.0)	579.0	(262.6)
3”	(80)	3.500	(88.9)	3.356	(85.2)	250.0	(113.4)	826.3	(374.8)
3 1/2”	(90)	4.000	(101.6)	3.834	(97.4)	325.0	(147.4)	1098.0	(498.0)
4”	(100)	4.500	(114.3)	4.334	(110.1)	370.0	(167.8)	1364.0	(618.7)

Dimensions taken from ANSI C80.3-1977.

*Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.

Electrical Metallic tubing shall be supported at least every 10 feet (3.05 m) and within 3 feet (914 mm) of each outlet box, junction box, cabinet or fitting. See NEC Article 348.

RIGID ALUMINUM CONDUIT

Nominal Conduit Size In.	mm	Outside Diameter In.	mm	Nominal Inside Diameter In.	mm	Minimum Weight Per 100 Ft. (30.5m) with Couplings Attached Lbs.	kg	Weight of Conduit and Conductors Per 100 Ft. (30.5m)* Lbs.	kg
1/2”	(15)	0.840	(21.3)	0.632	(16.1)	27.4	(12.4)	49.5	(22.5)
3/4”	(20)	1.050	(26.7)	0.836	(21.2)	36.4	(16.5)	77.2	(35.0)
1”	(25)	1.315	(33.4)	1.063	(27.0)	53.0	(24.0)	119.3	(54.1)
1 1/4”	(32)	1.660	(42.2)	1.394	(35.4)	69.6	(31.6)	186.9	(84.8)
1 1/2”	(40)	1.900	(48.3)	1.624	(41.2)	82.2	(37.3)	242.0	(109.8)
2”	(50)	2.375	(60.3)	2.083	(52.9)	115.7	(52.5)	377.5	(171.2)
2 1/2”	(65)	2.875	(73.0)	2.489	(63.2)	182.5	(82.8)	556.5	(252.4)
3”	(80)	3.500	(88.9)	3.090	(78.5)	238.9	(108.4)	815.2	(369.8)
3 1/2”	(90)	4.000	(101.6)	3.570	(90.7)	287.7	(130.5)	1061.0	(481.3)
4”	(100)	4.500	(114.3)	4.050	(102.9)	340.0	(154.2)	1334.0	(605.1)
5”	(125)	5.563	(141.3)	5.073	(128.9)	465.4	(211.1)	2028.0	(919.9)
6”	(150)	6.625	(168.3)	6.093	(154.8)	612.5	(277.8)	2870.0	(1301.8)

Dimensions taken from ANSI C80.5-1977.

*Conduit plus weight of heaviest conductor combination as specified by the National Electrical Code.

Aluminum Rigid Conduit shall be supported at least every 10 feet (3.05 m) and within 3 feet (914 mm) of each outlet box, junction box, cabinet, or fitting, except for straight runs of conduit connected with couplings which may be supported in accordance with NEC Table 346-12, provided such supports prevent transmission of stresses to termination where conduit is deflected between supports.

NEC TABLE 346-12

Conduit Size In.	mm	Maximum Support Span Feet	Meters
1/2-3/4	(15-20)	10	(3.05)
1	(25)	12	(3.66)
1 1/4-1 1/2	(32-40)	14	(4.27)
2-2 1/2	(50-65)	16	(4.88)
3-6	(80-150)	20	(6.10)

SCHEDULE 40 PVC PLASTIC PIPE

Nominal Pipe Size In.	mm	Outside Diameter In.	mm	Inside Diameter In.	mm	Weight of Pipe Per 100 Ft. (30.5m) Lbs.	kg	Weight of Pipe Filled With Water Per 100 Ft. (30.5m) Lbs.	kg
1/8"	(3)	.405	(10.3)	.269	(6.8)	4.7	(2.1)	7.2	(3.2)
1/4"	(6)	.540	(13.7)	.364	(9.2)	8.2	(3.7)	12.7	(5.8)
3/8"	(10)	.675	(17.1)	.493	(12.5)	10.9	(4.9)	19.2	(8.7)
1/2"	(15)	.840	(21.3)	.622	(15.8)	16.4	(7.4)	29.6	(13.4)
3/4"	(20)	1.050	(26.7)	.824	(20.9)	21.8	(9.9)	44.9	(20.4)
1"	(25)	1.315	(33.4)	1.049	(26.6)	32.1	(14.6)	69.6	(31.6)
1 1/4"	(32)	1.660	(42.2)	1.380	(35.1)	43.4	(19.7)	108.2	(49.1)
1 1/2"	(40)	1.900	(48.3)	1.610	(40.9)	51.8	(23.5)	140.0	(63.5)
2"	(50)	2.375	(60.3)	2.067	(52.5)	69.5	(31.5)	214.9	(97.5)
2 1/2"	(65)	2.875	(73.0)	2.469	(62.7)	109.6	(49.7)	317.1	(143.8)
3"	(80)	3.500	(88.9)	3.068	(77.9)	143.5	(65.1)	463.9	(210.4)
3 1/2"	(90)	4.000	(101.6)	3.548	(90.1)	175.6	(79.7)	604.1	(274.0)
4"	(100)	4.500	(114.3)	4.026	(102.3)	204.3	(92.7)	756.0	(342.9)
5"	(125)	5.563	(141.3)	5.047	(128.2)	281.7	(127.8)	1148.8	(521.1)
6"	(150)	6.625	(168.3)	6.065	(154.1)	360.9	(163.7)	1613.0	(731.7)
8"	(200)	8.625	(219.1)	7.981	(202.7)	545.3	(247.3)	2713.5	(1230.8)
10"	(250)	10.750	(273.1)	10.020	(254.5)	791.3	(358.9)	4208.9	(1909.1)
12"	(300)	12.750	(323.9)	11.938	(303.2)	1035.2	(469.6)	5886.4	(2670.0)

1 cubic ft. of water weighs 62.41 Lbs.
1 cubic meter of water weighs 999.972 kg.
1 gallon (U.S.) weighs 8.335 Lbs.
1 liter weighs .999 kg.

ALL THREADED ROD (ATR)

Nominal Size (In) and Thread	Root Area In.²	cm²	Design Load (SF=5) Lbs.	kN
1/4-20"	0.027	(0.174)	240	(1.07)
5/16-18"	0.045	(0.290)	400	(1.78)
3/8-16"	0.068	(0.438)	610	(2.71)
1/2-13"	0.126	(0.812)	1130	(5.03)
5/8-11"	0.202	(1.303)	1810	(8.05)
3/4-10"	0.302	(1.948)	2710	(12.05)
7/8-9"	0.419	(2.703)	3770	(16.77)
1-8"	0.551	(3.561)	4960	(22.06)
1 1/8-7"	0.693	(4.471)	6230	(27.71)
1 1/4-7"	0.889	(5.735)	8000	(35.58)
1 1/2-6"	1.293	(8.342)	11630	(51.73)

Dimensions taken from ANSI B1.1-1982 Unified Inch Screw Threads. All threads are UNCR series.

Tabulated loads are based on an allowable tensile stress of 12000 psi (82.7 MPa) reduced by 25% resulting in 9000 psi (62 MPa). From ANSI/MSS SP-58, Table 3.

CLAMP SIZING CHART FOR PVC COATED RIGID CONDUIT AND CLAMPS

Nominal Conduit Size		Conduit Coating .020 (.51mm) Clamp Coating 0	.020 (.51mm)	.040 (1.01mm) Clamp Coating 0	.020 (.51mm)
1/2"	(15)	B2028	B2002	B2002	B2029
3/4"	(20)	B2030	B2030	B2030	B2003
1"	(25)	B2032	B2032	B2032	B2033
1 1/4"	(32)	B2005	B2005	B2005	B2005
1 1/2"	(40)	B2012	B2037	B2037	B2037
2"	(50)	B2013	B2041	B2041	B2041
2 1/2"	(65)	B2014	B2045	B2045	B2045
3"	(80)	B2015	B2050	B2050	B2050
3 1/2"	(90)	B2016	B2054	B2054	B2054
4"	(100)	B2017	B2058	B2058	B2058
5"	(125)	B2019	B2066	B2066	B2066
6"	(150)	B2020	B2115	B2115	B2115

CLAMP SIZING CHART FOR PVC COATED THINWALL (EMT) CONDUIT AND CLAMPS

Nominal Conduit Size		Conduit Coating .020 (.51mm) Clamp Coating 0	.020 (.51mm)	.040 (1.01mm) Clamp Coating 0	.020 (.51mm)
3/8"	(10)	B2026	B2026	B2026	B2007
1/2"	(15)	B2027	B2027	B2027	B2008
3/4"	(20)	B2029	B2029	B2029	B2009
1"	(25)	B2003	B2031	B2031	B2031
1 1/4"	(32)	B2004	B2034	B2034	B2034
1 1/2"	(40)	B2035	B2035	B2035	B2036
2"	(50)	B2039	B2039	B2039	B2013

REFERENCE DATA

B-Line

COPPER TUBING, TYPE L

Nominal Tubing Size		Outside Diameter		Inside Diameter		Weight of Tubing Per 100 Ft. (30.5m)		Weight of Tubing Filled With Water Per 100 Ft. (30.5m)	
In.	mm	In.	mm	In.	mm	Lbs.	kg	Lbs.	kg
1/4"	(6)	.375	(9.5)	.315	(8.0)	12.6	(5.7)	16.0	(7.2)
3/8"	(10)	.500	(12.7)	.430	(10.9)	19.8	(9.0)	26.1	(11.8)
1/2"	(15)	.625	(15.9)	.545	(13.8)	28.5	(12.9)	38.6	(17.5)
5/8"	(17)	.750	(19.1)	.666	(16.9)	36.2	(16.4)	51.3	(23.3)
3/4"	(20)	.875	(22.2)	.785	(19.9)	45.5	(20.6)	66.5	(30.2)
1"	(25)	1.125	(28.6)	1.025	(26.0)	65.5	(29.7)	101.3	(45.9)
1 1/4"	(32)	1.375	(34.9)	1.265	(32.1)	88.4	(40.1)	142.9	(64.8)
1 1/2"	(40)	1.625	(41.3)	1.505	(38.2)	114.0	(51.7)	191.1	(86.7)
2"	(50)	2.125	(54.0)	1.985	(50.4)	175.0	(79.4)	309.1	(140.2)
2 1/2"	(65)	2.625	(66.7)	2.465	(62.6)	248.0	(112.5)	454.8	(206.3)
3"	(80)	3.125	(79.4)	2.945	(74.8)	333.0	(151.0)	628.2	(285.0)
3 1/2"	(90)	3.625	(92.1)	3.425	(87.0)	429.0	(194.6)	828.3	(375.7)
4"	(100)	4.125	(104.8)	3.905	(99.2)	538.0	(244.0)	1057.1	(479.5)
5"	(125)	5.125	(130.2)	4.875	(123.8)	761.0	(345.2)	1570.0	(712.1)
6"	(150)	6.125	(155.6)	5.845	(148.5)	1020.0	(462.7)	2182.9	(990.2)
8"	(200)	8.125	(206.4)	7.725	(196.2)	1930.0	(875.4)	3961.3	(1796.8)
10"	(250)	10.125	(257.2)	9.625	(244.5)	3010.0	(1365.3)	6163.4	(2795.7)
12"	(300)	12.125	(308.0)	11.565	(293.8)	4040.0	(1832.5)	8592.8	(3897.6)

COPPER TUBING, TYPE K

Nominal Tubing Size		Outside Diameter		Inside Diameter		Weight of Tubing Per 100 Ft. (30.5m)		Weight of Tubing Filled With Water Per 100 Ft. (30.5m)	
In.	mm	In.	mm	In.	mm	Lbs.	kg	Lbs.	kg
1/4"	(6)	.375	(9.5)	.305	(7.7)	14.5	(6.6)	17.7	(8.0)
3/8"	(10)	.500	(12.7)	.402	(10.2)	26.9	(12.2)	32.4	(14.7)
1/2"	(15)	.625	(15.9)	.527	(13.4)	34.4	(15.6)	43.9	(19.9)
5/8"	(17)	.750	(19.1)	.652	(16.6)	41.8	(19.0)	56.3	(25.5)
3/4"	(20)	.875	(22.2)	.745	(18.9)	64.1	(29.1)	83.0	(37.6)
1"	(25)	1.125	(28.6)	.995	(25.3)	83.9	(38.1)	117.6	(53.3)
1 1/4"	(32)	1.375	(34.9)	1.245	(31.6)	104.0	(47.2)	156.8	(71.1)
1 1/2"	(40)	1.625	(41.3)	1.481	(37.6)	136.0	(61.7)	210.7	(95.6)
2"	(50)	2.125	(54.0)	1.959	(49.8)	206.0	(93.4)	336.6	(152.7)
2 1/2"	(65)	2.625	(66.7)	2.435	(61.8)	293.0	(132.9)	494.8	(224.5)
3"	(80)	3.125	(79.4)	2.907	(73.8)	400.0	(181.4)	687.7	(311.9)
3 1/2"	(90)	3.625	(92.1)	3.385	(86.0)	512.0	(232.2)	902.0	(409.2)
4"	(100)	4.125	(104.8)	3.857	(98.0)	651.0	(295.3)	1157.4	(525.0)
5"	(125)	5.125	(130.2)	4.805	(122.0)	967.0	(438.6)	1752.9	(795.1)
6"	(150)	6.125	(155.6)	5.741	(145.8)	1390.0	(630.5)	2511.9	(1139.4)
8"	(200)	8.125	(206.4)	7.583	(192.6)	2590.0	(1174.8)	4547.3	(2062.6)
10"	(250)	10.125	(257.2)	9.449	(240.0)	4030.0	(1828.0)	7069.2	(3206.5)
12"	(300)	12.125	(308.0)	11.315	(287.4)	5780.0	(2621.8)	10138.0	(4598.5)

Dimensions taken from ASTM B 88-83.

1 cubic ft. of water weighs 62.41 Lbs.
1 cubic meter of water weighs 999.972 kg.
1 gallon (U.S.) weighs 8.335 Lbs.
1 liter weighs .999 kg.

STANDARD WEIGHT SCHEDULE 40 STEEL PIPE

Nominal Pipe Size In.	Nominal Pipe Size mm	Outside Diameter In.	Outside Diameter mm	Inside Diameter In.	Inside Diameter mm	Nominal Weight Per 100 Ft. (30.5mm) Plain End Lbs.	Nominal Weight Per 100 Ft. (30.5mm) Plain End kg	Weight of Pipe Filled With Water Per 100 Ft. (30.5mm) Lbs.	Weight of Pipe Filled With Water Per 100 Ft. (30.5mm) kg
3/8”	(10)	.675	(17.1)	.493	(12.5)	57.0	(25.9)	65.3	(29.6)
1/2”	(15)	.840	(21.3)	.622	(15.8)	85.0	(38.6)	98.2	(44.5)
3/4”	(20)	1.050	(26.7)	.824	(20.9)	113.0	(51.3)	136.1	(61.7)
1”	(25)	1.315	(33.4)	1.049	(26.6)	168.0	(76.2)	205.5	(93.2)
1 1/4”	(32)	1.660	(42.2)	1.380	(35.1)	227.0	(103.0)	291.8	(132.4)
1 1/2”	(40)	1.900	(48.3)	1.610	(40.9)	272.0	(123.4)	360.2	(163.4)
2”	(50)	2.375	(60.3)	2.067	(52.5)	365.0	(165.6)	510.4	(231.5)
2 1/2”	(65)	2.875	(73.0)	2.469	(62.7)	579.0	(262.6)	786.5	(356.8)
3”	(80)	3.500	(88.9)	3.068	(77.9)	758.0	(343.8)	1078.4	(489.2)
3 1/2”	(90)	4.000	(101.9)	3.548	(90.1)	911.0	(413.2)	1339.5	(607.6)
4”	(100)	4.500	(114.3)	4.026	(102.3)	1079.0	(489.4)	1630.7	(739.7)
5”	(125)	5.563	(141.3)	5.047	(128.2)	1462.0	(663.2)	2329.1	(1056.4)
6”	(150)	6.625	(168.3)	6.065	(154.1)	1897.0	(860.5)	3149.1	(1428.4)
8”	(200)	8.625	(219.1)	7.981	(202.7)	2855.0	(1295.0)	5023.2	(2278.5)
10”	(250)	10.750	(273.1)	10.020	(254.5)	4048.0	(1836.1)	7465.6	(3386.3)
12”	(300)	12.750	(323.9)	12.000	(304.8)	4956.0	(2248.0)	9857.7	(4471.4)
14”	(350)	14.000	(355.6)	13.250	(336.6)	5457.0	(2475.3)	11433.1	(5185.9)
16”	(400)	16.000	(406.4)	15.250	(387.4)	6258.0	(2838.6)	14174.3	(6429.4)
18”	(450)	18.000	(457.2)	17.250	(438.2)	7059.0	(3201.9)	17187.9	(7796.3)
20”	(500)	20.000	(508.0)	19.250	(489.0)	7860.0	(3565.2)	20473.7	(9286.7)
24”	(600)	24.000	(609.6)	23.250	(590.6)	9462.0	(4291.9)	27862.5	(12638.2)

Dimensions taken from ASTM A 53-82.

1 cubic ft. of water weighs 62.41 Lbs.
1 cubic meter of water weighs 999.972 kg.
1 gallon (U.S.) weighs 8.335 Lbs.
1 liter weighs .999 kg.

TRAPEZE HANGERS USING B-LINE STRUT OR ANGLE IRON

	NOMINAL PIPE SIZES							
Length of Trapeze Bar	2 1/2” (65mm) or less	3” (80mm)	3 1/2” (90mm)	4” (100mm)	5” (125mm)	6” (150mm)	8” (200mm)	10” (250mm)
1’-6” (0.46m)	1 1/2” x 1 1/2” x 3/16” B24SH	1 1/2” x 1 1/2” x 3/16” B24SH	1 1/2” x 1 1/2” x 3/16” B24SH	2” x 1 1/2” x 3/16” B22SH	2” x 1 1/2” x 3/16” B22SH	2 1/2” x 1 1/2” x 3/16” B12SH	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH
2’-0” (0.61m)	1 1/2” x 1 1/2” x 3/16” B24SH	2” x 1 1/2” x 3/16” B22SH	2” x 1 1/2” x 3/16” B22SH	2” x 1 1/2” x 3/16” B22SH	2 1/2” x 1 1/2” x 3/16” B12SH	2 1/2” x 1 1/2” x 3/16” B12SH	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH
2’-6” (0.76m)	2” x 1 1/2” x 3/16” B22SH	2” x 1 1/2” x 3/16” B22SH	2” x 1 1/2” x 3/16” B22SH	2 1/2” x 1 1/2” x 3/16” B12SH	2 1/2” x 1 1/2” x 3/16” B12SH	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH	3” x 2” x 1/4” B11SH
3’-0” (0.91m)	2” x 1 1/2” x 3/16” B22SH	2” x 1 1/2” x 3/16” B22SH	2 1/2” x 1 1/2” x 3/16” B12SH	2 1/2” x 1 1/2” x 3/16” B12SH	3” x 2” x 3/16” B11SH	3” x 2” x 3/16” B11SH	3 1/2” x 2 1/2” x 1/4” B12SHA	3 1/2” x 2 1/2” x 5/16” B12SHA
4’-0” (1.22m)	2 1/2” x 1 1/2” x 3/16” B12SH	2 1/2” x 1 1/2” x 3/16” B12SH	2 1/2” x 1 1/2” x 3/16” B12SH	3” x 2” x 3/16” B11SH	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH	3 1/2” x 2 1/2” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA
5’-0” (1.52m)	2 1/2” x 1 1/2” x 3/16” B12SH	2 1/2” x 1 1/2” x 3/16” B12SH	3” x 2” x 3/16” B11SH	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH	3 1/2” x 2 1/2” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA	5” x 3 1/2” x 5/16” B11SHA
6’-0” (1.83m)	2 1/2” x 1 1/2” x 3/16” B12SH	3” x 2” x 3/16” B11SH	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH	3 1/2” x 2 1/2” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA	5” x 3 1/2” x 5/16” B11SHA
7’-0” (2.13m)	3” x 2” x 3/16” B11SH	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH	3” x 2” x 1/4” B11SH	3 1/2” x 2 1/2” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA	5” x 3 1/2” x 5/16” B11SHA	6” x 4” x 1/4” 2-B12SHA
8’-0” (2.44m)	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH	3” x 2” x 1/4” B11SH	3 1/2” x 2 1/2” x 5/16” B12SHA	3 1/2” x 2 1/2” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA	5” x 3 1/2” x 5/16” B11SHA	6” x 4” x 1/4” 2-B12SHA
9’-0” (2.74m)	3” x 2” x 3/16” B11SH	3” x 2” x 1/4” B11SH	3 1/2” x 2 1/2” x 5/16” B12SHA	3 1/2” x 2 1/2” x 5/16” B12SHA	3 1/2” x 2 1/2” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA	5” x 3 1/2” x 5/16” B11SHA	6” x 4” x 3/8” 2-B11SHA
10’-0” (3.05m)	3” x 2” x 1/4” B11SH	3” x 2” x 1/4” B11SH	3 1/2” x 2 1/2” x 5/16” B12SHA	3 1/2” x 2 1/2” x 5/16” B12SHA	4” x 3” x 5/16” B12SHA	5” x 3 1/2” x 5/16” B11SHA	6” x 4” x 1/4” 2-B12SHA	6” x 4” x 3/8” 2-B11SHA

REFERENCE: Table 3-14.1.6 standard for the installation of Sprinkler Systems, NFPA No. 13-1985, published by National Fire Protection Association.

REFERENCE DATA

B-Line

CHANNEL RESIN INFORMATION

B-Line offers two fire retardant (FR) resins for strut systems, polyester and vinyl ester. Both resins are ideal for corrosive environments. While polyester is sufficient for most uses, vinyl ester is suitable for a broader range of environments.
Please refer to the "Corrosion Resistance Guide" below for specific applications.

Corrosion Resistance Guide

Chemicals	70°F (21°C)	160°F (71°C)	Chemicals	70°F (21°C)	160°F (71°C)
Acetic acid 5%	BFP/BFV	BFP/BFV	Methyl alcohol 10%	BFP/BFV	BFV-150° **
Acetic acid 52%	BFP/BFV	BFV-210° **	Naphtha	BFP/BFV	BFP/BFV
Aluminum potassium sulfate 5%	BFP/BFV	BFP/BFV	Nitric acid 5%	BFP/BFV	BFP/BFV
Ammonium hydroxide 10%	BFP/BFV	BFV-150° **	Nitric acid 20%	BFV	BFV-120° **
Ammonium nitrate	BFP/BFV	BFP/BFV	Phosphoric acid 10%	BFP/BFV	BFP/BFV
Benzene sulfonic acid 5%	BFP/BFV	BFP/BFV	Phosphoric acid 30%	BFP/BFV	BFP/BFV
Calcium chloride	BFP/BFV	BFP/BFV	Phosphoric acid 85%	BFP/BFV	BFP/BFV
Carbon tetrachloride	BFV	BFV-100° **	Sodium bicarbonate 10%	BFP/BFV	BFP/BFV
Chlorine dioxide 15%	BFP/BFV	BFV-150° **	Sodium bisulfate	BFP/BFV	BFP/BFV
Chromic acid 5%	BFV	BFV-150° **	Sodium carbonate	BFP/BFV	BFV
Copper sulfate	BFP/BFV	BFP/BFV	Sodium chloride	BFP/BFV	BFP/BFV
Diesel fuel	BFP/BFV	BFV	Sodium hydroxide 1-50%	BFV	BFV-120° **
Ethylene glycol	BFP/BFV	BFP/BFV	Sodium hypochlorite 5%	BFP/BFV	BFV-120° **
Fatty acids 100%	BFP/BFV	BFP/BFV	Sodium nitrate	BFP/BFV	BFP/BFV
Ferrous sulfate	BFP/BFV	BFP/BFV	Sodium silicate	BFP/BFV	BFV-210° **
Fluosilicic acid 0-20%	BFV	BFV	Sodium sulfate	BFP/BFV	BFP/BFV
Gasoline	BFP/BFV	BFV	Sulfuric acid 0-30%	BFP/BFV	BFP/BFV
Hydrochloric acid 1%	BFP/BFV	BFP/BFV	Sulfuric acid 30-50%	BFV	BFV
Hydrochloric acid 15%	BFP/BFV	BFV-180° **	Sulfuric acid 50-70%	BFV	BFV-180° **
Hydrochloric acid 37%	BFP/BFV	BFV-150° **	Trisodium phosphate 25%	BFP/BFV	BFV-210° **
Kerosene	BFP/BFV	BFP/BFV	Trisodium phosphate-All	BFV	BFV-210° **
Magnesium chloride	BFP/BFV	BFP/BFV	Water, Distilled	BFP/BFV	BFP/BFV

BFP - BFP parts recommended BFV - BFV parts recommended ** - Not recommended to exceed this temperature

Information contained in this chart is based on data from raw material suppliers.

Temperatures are not the minimum nor the maximum (except where specifically stated) but represent standard test conditions. The products may be suitable at higher temperatures but individual test data should be required to establish suitability.

The recommendations or suggestions contained in this chart are made without guarantee or representation as to results. We suggest that you evaluate the recommendations and suggestions in your own laboratory or actual field trial prior to use.

Flame Retardant Properties	BFP	BFV
Flame Resistance (FTMS 406-2023) ign/burn, seconds	75/75	75/75
Intermittent Flame Test (HLT-15), rating	100	100
Flammability Test (ASTM D635) Ignition Burning Time	 none 0 sec.	 none 0 sec.
Surface Burning Characteristics (ASTM E84), Flame spread index	25	25
UL 94 Flame Class	V-0	V-0

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ARC Series 195
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SN528 Series 49
SN724 Series 49
SN725 Series 49
SN728 Series 49
SQN Series 55
SRHMS Series 53
STN224 Series 48
STN225 Series 48
STN228 Series 48
STN525 Series 48
TN221 48
TN222 48
TN223 48
TN224 48
TN225 48
TN226 48
TN227 48
TN228 48
TN525 48

Customer Service

Electrical/Mechanical

Phone: 618-654-2184
Fax: 618-654-1917
Address: Cooper B-Line
509 West Monroe St.
Highland, IL 62249

Telecom

303-375-8000
303-375-8015
Cooper B-Line
21000 East 32nd Parkway
Aurora, CO 80011

www.b-line.com

"B-VOCAL℠ with B-Line"
Voice Of the Customer...Actively Listening
618-654-2184 ext. 456

B-Line®
SYSTEMS THAT MAKE SENSE

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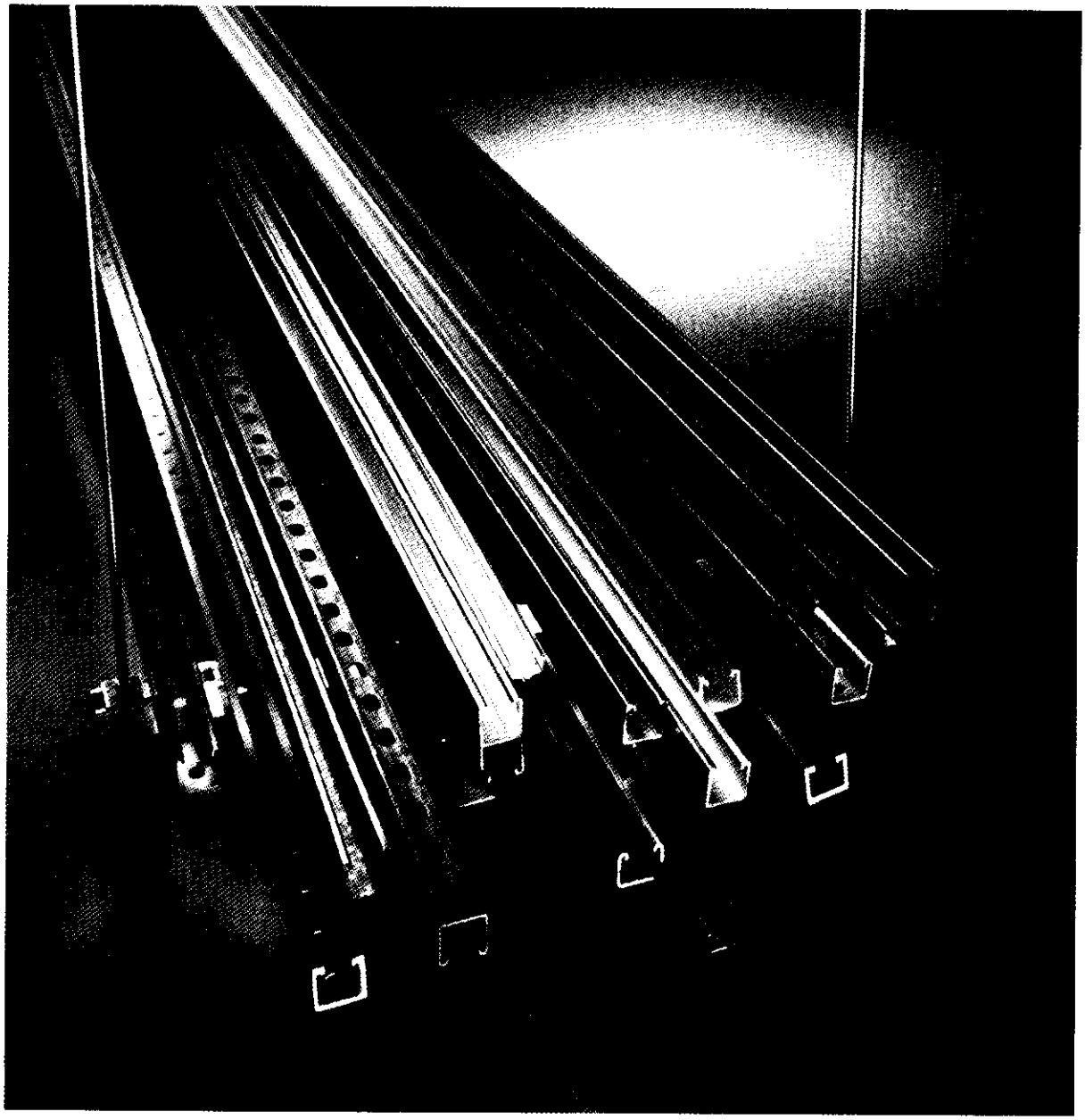
Printed in U.S.A.

Strut Systems Price List

BF00PS

April 10, 2000
(SUPERSEDES BF98PS January 1, 1998)



B-Line®

SYSTEMS THAT MAKE SENSE

B-LINE® SYSTEMS, INC.
TERMS AND CONDITIONS OF SALE

1. **ACCEPTANCE**
No order shall be binding upon us until accepted in writing by an authorized official at our Home Office. Any contract for sale of goods, and these Conditions of Sale, shall be governed by and construed according to the Uniform Commercial Code as adopted in the state of Illinois.

2. **PRICES**
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. This Price List supersedes and cancels all previous quotations on any part listed in this catalog. Orders are accepted with the understanding that material will be billed at the price in effect at the time of shipment, unless otherwise specified in quotation or order.

3. **TERMS**
2% 10 days date of invoice.
Net 30 days date of invoice.
Non-catalog items or specials, terms are Net 30 days.

4. **MINIMUM ORDERS**
$ 50.00 Net on all items.

5. **FREIGHT***
All prices are F.O.B. our dock or point of shipment, or as otherwise stated.
Air Freight shipments will be made upon request, and will be sent F.O.B. shipping point COLLECT ONLY.

6. **CATALOG WEIGHT, DIMENSIONS AND DESIGN LOADS**
Catalog weights and dimensions are careful estimates but not guaranteed. Load designs are based on tests as submitted or by calculations of static load applications. In most cases, the load is stated with applicable factor of safety.

7. **ERRORS**
Should an error be made filling an order, notify us promptly and we will immediately attempt to adjust the matter without any expense to the purchaser.

8. **CANCELLATION**
Cancellation of orders will be accepted only with the understanding that we will be reimbursed for expenses incurred as a result of the cancellation. Orders for special, non-catalogued or C & D items are not subject to cancellation after production is started under any circumstances.

9. **RETURNED MATERIAL**
Permission to return any standard merchandise must be obtained in writing from Home Office in Highland, Illinois. Request to return merchandise must be made within 120 days from the date of shipment and subject to the following conditions: Return transportation must be prepaid. Material not in first-class, saleable condition will be subject to the cost of reconditioning. Merchandise credit will be allowed on the basis of the price charged for the merchandise, less a minimum handling charge of 25% for merchandise in standard packages, 30% for merchandise in less than standard packages, and less any outbound freight allowed or paid by B-Line. **Returns will only be considered for standard catalog A & B items, and in normal quantities as determined by the Company. Any special, non-cataloged, or C & D items (A, B, C, & D items are indicated in Price List under Stock Class.) are not subject to return for credit under any circumstances.**

10. **TAXES**
Prices are exclusive of all Federal, State and Local Taxes. Wherever applicable, such taxes will be added to the invoices as a separate charge to be paid by purchaser.

11. **DELIVERY**
The estimated shipping date is based on production time required to process the order commencing with the date the order is received by us. In the event it is necessary to revise the design, specifications or conditions of sale, the shipping data shall be automatically extended by the period of time required to actually achieve the mutually agreed upon corrections or adjustments of the design, specifications or conditions of sale.

12. **DAMAGE OR LOSS IN TRANSIT**
Delivery of goods to a carrier at our plant or other shipping point shall constitute delivery to purchaser; and regardless of freight payment, all risk of loss or damage in transit shall pass to the purchaser at that time. Purchaser shall make claims for loss or damage to goods while in transit against the carrier; we will assist purchaser in securing satisfactory adjustment of such claims.

13. **WARRANTIES**
We guarantee to replace, or at our option to repair, any material which we find in our sole discretion to be defective in material or workmanship provided that a claim, and proof thereof, is made in writing to us within thirty (30) days after purchaser's receipt thereof. Our obligation with respect to material found by us to be defective shall be limited to replacement or repair and in no event shall we be liable for transportation to or from our factory, installation, adjustments, or any expenses or damages which may arise in connection with such material, nor for damages for loss of use, and the foregoing shall be the purchaser's sole remedy hereunder. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

14. **CLAIMS**
Claims for defective material, shortages, delays, failures in shipment or delivery for any other cause shall be deemed waived and released by purchaser unless made IN WRITING WITHIN 30 DAYS AFTER ARRIVAL OF MATERIAL. Under no circumstances shall purchaser install damaged or defective material if claims are to be made.

15. **LIABILITY FOR MISUSE**
We shall not be liable for damages to property or persons due to improper installation of our material or through attempts to utilize the material under conditions which exceed the designed capabilities.

Purchaser agrees to indemnify and hold us harmless from any and all claims, liabilities, damages, costs, and expenses asserted against us or incurred by us because of injuries to persons or damages to property resulting from the improper installation or misuse of the material.

16. **MATERIAL SUPPLIER ONLY**
We are a material supplier and fabricator and not a construction sub-contractor. We assume no responsibility for any terms, conditions, or special provisions contained in any contract between purchaser and any other party, including but not limited to, provisions regarding warranties, time and method of payment and retainage, cancellation and penalties for delay in completion.

17. **PURCHASER'S SPECIFICATIONS**
Purchaser agrees to protect, defend, indemnify, and hold us harmless from and against all claims, liabilities, demands, causes of action, losses, damages, costs and expenses, including by way of description but not by way of limitation, attorney's fees, which may be asserted against us or may be incurred by us arising out of manufacture and/or sale of any material furnished to or for purchaser in compliance with purchaser's designs, plans or specifications, including any claim, demand, or liability on account of actual or alleged infringement of any United States or foreign patent or trademark.

18. **TERMS OF PAYMENT**
Failure by customer to meet punctual payment shall subject any further deliveries to be suspended or cancelled at the manufacturer's option, without prejudice to the manufacturer's rights to claim for material supplied or work done at the time of cancellation, and for any loss or injury occasioned thereby.

19. **INTEREST CHARGES**
Any amount not timely paid by the customer shall bear interest at the maximum rate permitted by law, not to exceed 1 1/2 % per month.

20. **NUCLEAR PLANTS**
When our products, application, engineering, design or fabrication is for nuclear plants, the buyer agrees (a) to take all necessary steps to add seller as an insured under the Nuclear Liability Property Insurance Association (NELIA) and under the Nuclear Energy Property Insurance Association (NEPIS) and under the Mutual Atomic Energy Liability Underwriter's Pool for Property and Liability; and if these steps are not taken, the buyer shall hold seller harmless against all such losses which could have been covered; (b) the buyer agrees to hold seller harmless with respect to any personal injury (or death), property damage, or other loss which is caused directly or indirectly by defective design, material or workmanship supplied by seller, and which is covered by insurance maintained by buyer or which could be covered but buyer has elected to self-insure, and agrees further to waive subrogation by its carriers of such insurance against seller, and (c) as to nuclear hazards for which buyer cannot obtain insurance coverage, the liability of seller for any personal injury (or death), property damage, or other loss directly caused by defective design, material, or workmanship supplied by seller shall not exceed the value of the work performed by seller at the time of the loss occurrence.

NET CUTTING CHARGES

Type of Cut	All Single Sections	All Compound Sections
Square Cut	**.50**	**1.00**
Angle Cut	**.75**	**1.50**

SQUARE CUTS ONLY WITH QUANTITIES OVER 300 PCS. ROLLED TO LENGTH.
Minimum length of 24 inches. (One size - one bill of material) -- **No cutting charge.**

Net prices not subject to discount. Cutting tolerance is plus or minus 1/16 ". If scrap results from cut lengths that do not fully utilize 10 or 20 ft. pieces, scrap charges must be computed in the price. Scrap will not be shipped except per customer requests.

STANDARD FINISH ABBREVIATIONS

All finishes must be noted on orders as:

Plain (PLN or PLAIN)	Dura Green Epoxy (GRN)
Electro Plated (PLTD or ZNPLT)	Stainless Steel (SS)
Pregalvanized (PRE-GALV)	Copper Plated (CUPLTD)
Hot Dip Galvanized (HDG)	Aluminum (AL)

* Demurrage charges for delays in unloading, beyond the alloted free time, shall be borne by the purchaser.

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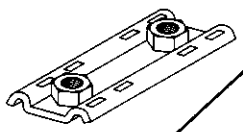
Please Specify Finish When Ordering

DISCOUNT SCHEDULE

Schedule	Description	Discount
A	Channel - Concrete Insert	X.76
B	Hardware - Fittings - Beam Clamps	X.81
C	Pipe Clamps	X73
D	Vibra Clamp (BVT & BVP)	X1.15
E	All Threaded Rod	X 60
F	Slotted Angle - Tools	
G	Fiberglass - Channel & Fittings	

New Products

Double Conveyor Nut



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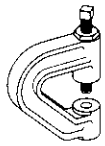
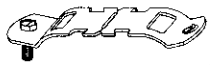


Z-Purlin C-Clamp

Break-Apart Pipe Clamp



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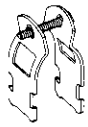

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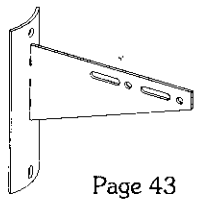
Strut Conduit Clamps

Pole Brackets



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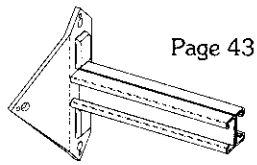

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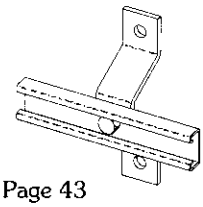

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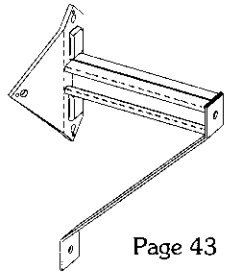

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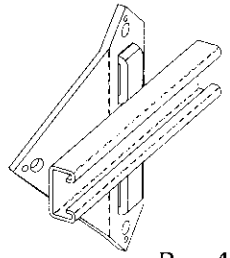

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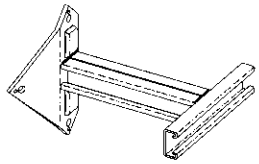

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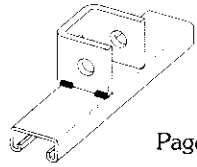

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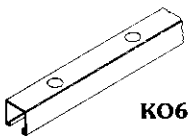
CHANNEL AND COMBINATIONS

B-Line

Discount Schedule Shown in Shaded Box

CHANNEL HOLE PATTERNS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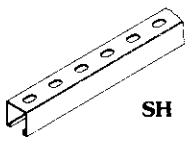
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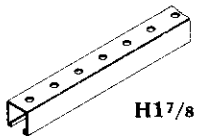
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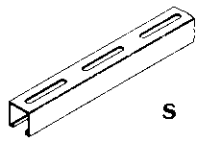
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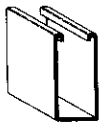
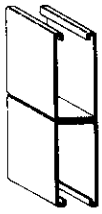
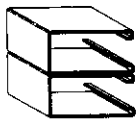
CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Ft.)


B11 CHANNEL


B11A CHANNEL


B11B CHANNEL

1 5/8" x 3 1/4" 12 GAUGE

B11					
PLAIN 10 FT	305	A	200	**P.O.A.**	20010
PLAIN 20 FT	305	A	200	**P.O.A.**	20015
GRN 10 FT	305	A	200	**599.20**	20020
GRN 20 FT	305	A	200	**599.20**	20025
PRE-GALV 10 FT	305	A	200	**645.00**	20030
PRE-GALV 20 FT	305	A	200	**645.00**	20035
B11KO6					
PLAIN 10 FT	305	D	200	**P.O.A.**	20110
PLAIN 20 FT	305	D	200	**P.O.A.**	20115
GRN 10 FT	305	C	200	**859.40**	20120
GRN 20 FT	305	C	200	**859.40**	20125
PRE-GALV 10 FT	305	B	200	**872.30**	20130
PRE-GALV 20 FT	305	B	200	**872.30**	20135
B11SH					
PLAIN 10 FT	297	A	200	**P.O.A.**	20210
PLAIN 20 FT	297	A	200	**P.O.A.**	20215
GRN 10 FT	297	A	200	**705.10**	20220
GRN 20 FT	297	A	200	**705.10**	20225
PRE-GALV 10 FT	297	A	200	**748.00**	20230
PRE-GALV 20 FT	297	A	200	**748.00**	20235
B11H1-7/8					
PLAIN 10 FT	300	D	200	**P.O.A.**	20310
PLAIN 20 FT	300	D	200	**P.O.A.**	20315
GRN 10 FT	300	C	200	**872.70**	20320
GRN 20 FT	300	C	200	**872.70**	20325
PRE-GALV 10 FT	300	C	200	**933.40**	20330
PRE-GALV 20 FT	300	C	200	**933.40**	20335
B11S					
PLAIN 10 FT	294	D	200	**P.O.A.**	20350
PLAIN 20 FT	294	D	200	**P.O.A.**	20353
GRN 10 FT	294	C	200	**873.90**	20356
GRN 20 FT	294	C	200	**873.90**	20359
PRE-GALV 10 FT	294	C	200	**934.40**	20362
PRE-GALV 20 FT	294	C	200	**934.40**	20365
B11A					
PLAIN 10 FT	610	C	100	**P.O.A.**	20410
PLAIN 20 FT	610	C	50	**P.O.A.**	20415
GRN 10 FT	610	B	100	**1654.90**	20420
GRN 20 FT	610	B	50	**1654.90**	20425
PRE-GALV 10 FT	610	B	100	**1799.80**	20430
PRE-GALV 20 FT	610	B	50	**1799.80**	20435
B11B					
PLAIN 10 FT	610	D	100	**P.O.A.**	20450
PLAIN 20 FT	610	D	100	**P.O.A.**	20455
GRN 10 FT	610	C	100	**P.O.A.**	20460
GRN 20 FT	610	C	100	**P.O.A.**	20465
PRE-GALV 10 FT	610	C	100	**P.O.A.**	20470
PRE-GALV 20 FT	610	C	100	**P.O.A.**	20475

A

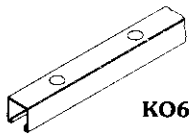
Stock Class A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

CHANNEL AND COMBINATIONS

B-Line

Discount Schedule Shown in Shaded Box

CHANNEL HOLE PATTERNS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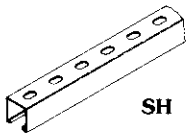
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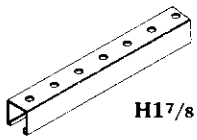
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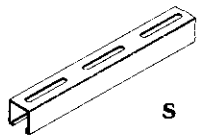
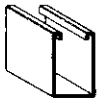
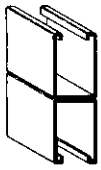

S

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Ft.)


B12 CHANNEL


B12A CHANNEL

B12B CHANNEL

1 5/8" x 2 7/16" 12 GAUGE

B12					
PLAIN 10 FT	247	B	300	**P.O.A.**	20510
PLAIN 20 FT	247	B	400	**P.O.A.**	20515
GRN 10 FT	247	B	300	**503.70**	20520
GRN 20 FT	247	B	400	**503.70**	20525
PRE-GALV 10 FT	247	A	300	**563.60**	20530
PRE-GALV 20 FT	247	A	400	**563.60**	20535
B12KO6					
PLAIN 10 FT	247	D	300	**P.O.A.**	20610
PLAIN 20 FT	247	D	400	**P.O.A.**	20615
GRN 10 FT	247	C	300	**695.50**	20620
GRN 20 FT	247	C	400	**695.50**	20625
PRE-GALV 10 FT	247	B	300	**706.90**	20630
PRE-GALV 20 FT	247	B	400	**706.90**	20635
B12SH					
PLAIN 10 FT	239	C	300	**P.O.A.**	20710
PLAIN 20 FT	239	C	400	**P.O.A.**	20715
GRN 10 FT	239	B	300	**596.00**	20720
GRN 20 FT	239	B	400	**596.00**	20725
PRE-GALV 10 FT	239	B	300	**627.30**	20730
PRE-GALV 20 FT	239	B	400	**627.30**	20735
B12H1-7/8					
PLAIN 10 FT	242	D	300	**P.O.A.**	20810
PLAIN 20 FT	242	D	400	**P.O.A.**	20815
GRN 10 FT	242	C	300	**699.90**	20820
GRN 20 FT	242	C	400	**699.90**	20825
PRE-GALV 10 FT	242	C	300	**742.80**	20830
PRE-GALV 20 FT	242	C	400	**742.80**	20835
B12S					
PLAIN 10 FT	236	D	300	**P.O.A.**	20910
PLAIN 20 FT	236	D	400	**P.O.A.**	20915
GRN 10 FT	236	C	300	**699.90**	20920
GRN 20 FT	236	C	400	**699.90**	20925
PRE-GALV 10 FT	236	B	300	**710.40**	20930
PRE-GALV 20 FT	236	B	400	**710.40**	20935

B12A					
PLAIN 10 FT	494	C	100	**P.O.A.**	21010
PLAIN 20 FT	494	C	100	**P.O.A.**	21015
GRN 10 FT	494	B	100	**1215.60**	21020
GRN 20 FT	494	B	100	**1215.60**	21025
PRE-GALV 10 FT	494	B	100	**1317.10**	21030
PRE-GALV 20 FT	494	B	100	**1317.10**	21035
B12B					
PLAIN 10 FT	494	D	100	**P.O.A.**	21050
PLAIN 20 FT	494	D	100	**P.O.A.**	21055
GRN 10 FT	494	C	100	**P.O.A.**	21060
GRN 20 FT	494	C	100	**P.O.A.**	21065
PRE-GALV 10 FT	494	C	100	**P.O.A.**	21070
PRE-GALV 20 FT	494	C	100	**P.O.A.**	21075

Stock Class A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
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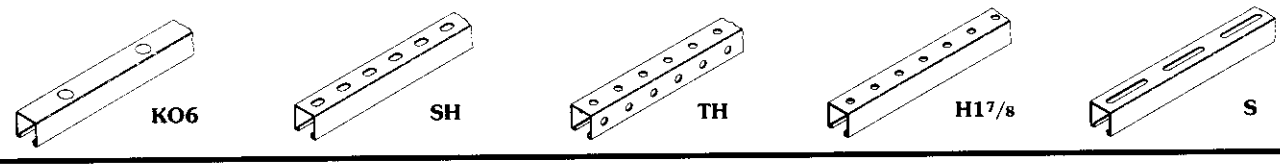
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

CHANNEL AND COMBINATIONS

B-Line

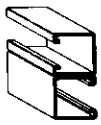
Discount Schedule Shown in Shaded Box

CHANNEL HOLE PATTERNS



(Priced Per 100 Ft.)

B22 CHANNEL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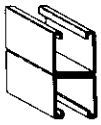
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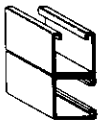
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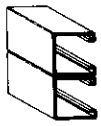
B22B CHANNEL

1 5/8" x 1 5/8" 12 GAUGE

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B22					
PLAIN 10 FT	190	A	500	**P.O.A.**	21110
PLAIN 20 FT	190	A	500	**P.O.A.**	21115
GRN 10 FT	190	A	500	**310.80**	21120
GRN 20 FT	190	A	500	**310.80**	21125
PRE-GALV 10 FT	190	A	500	**318.00**	21130
PRE-GALV 20 FT	190	A	500	**318.00**	21135
B22KO6					
PLAIN 10 FT	190	B	500	**P.O.A.**	21210
PLAIN 20 FT	190	B	500	**P.O.A.**	21215
GRN 10 FT	190	A	500	**373.40**	21220
GRN 20 FT	190	A	500	**373.40**	21225
PRE-GALV 10 FT	190	A	500	**380.90**	21230
PRE-GALV 20 FT	190	A	500	**380.90**	21235
B22SH					
PLAIN 10 FT	182	B	500	**P.O.A.**	21310
PLAIN 20 FT	182	B	500	**P.O.A.**	21315
GRN 10 FT	182	A	500	**346.50**	21320
GRN 20 FT	182	A	500	**346.50**	21325
PRE-GALV 10 FT	182	A	500	**353.30**	21330
PRE-GALV 20 FT	182	A	500	**353.30**	21335
B22TH					
PLAIN 10 FT	176	C	500	**P.O.A.**	21360
PLAIN 20 FT	176	C	500	**P.O.A.**	21361
GRN 10 FT	176	B	500	**393.50**	21370
GRN 20 FT	176	B	500	**393.50**	21371
PRE-GALV 10 FT	176	B	500	**397.80**	21380
PRE-GALV 20 FT	176	B	500	**397.80**	21381
B22H17/8					
PLAIN 10 FT	185	B	500	**P.O.A.**	21410
PLAIN 20 FT	185	B	500	**P.O.A.**	21415
GRN 10 FT	185	A	500	**354.70**	21420
GRN 20 FT	185	A	500	**354.70**	21425
PRE-GALV 10 FT	185	A	500	**356.50**	21430
PRE-GALV 20 FT	185	A	500	**356.50**	21435
B22S					
PLAIN 10 FT	179	B	500	**P.O.A.**	21510
PLAIN 20 FT	179	B	500	**P.O.A.**	21515
GRN 10 FT	179	A	500	**348.80**	21520
GRN 20 FT	179	A	500	**348.80**	21525
PRE-GALV 10 FT	179	A	500	**361.00**	21530
PRE-GALV 20 FT	179	A	500	**361.00**	21535
B22SHA					
PLAIN 10 FT	370	D	100	**P.O.A.**	03441
PLAIN 20 FT	370	D	200	**P.O.A.**	03442
GRN 10 FT	370	A	100	**1082.70**	03443
GRN 20 FT	370	A	200	**1082.70**	03444
PRE-GALV 10 FT	370	A	100	**1104.40**	03445
PRE-GALV 20 FT	370	A	200	**1104.40**	03446
B22A					
PLAIN 10 FT	380	A	200	**P.O.A.**	21710
PLAIN 20 FT	380	A	200	**P.O.A.**	21715
GRN 10 FT	380	A	200	**668.70**	21720
GRN 20 FT	380	A	200	**668.70**	21725
PRE-GALV 10 FT	380	A	200	**682.90**	21730
PRE-GALV 20 FT	380	A	200	**682.90**	21735
B22B					
PLAIN 10 FT	380	C	100	**P.O.A.**	21810
PLAIN 20 FT	380	C	200	**P.O.A.**	21815
GRN 10 FT	380	B	100	**P.O.A.**	21820
GRN 20 FT	380	B	200	**P.O.A.**	21825
PRE-GALV 10 FT	380	B	100	**P.O.A.**	21830
PRE-GALV 20 FT	380	B	200	**P.O.A.**	21835
B22C					
PLAIN 10 FT	380	C	100	**P.O.A.**	21812
PLAIN 20 FT	380	C	200	**P.O.A.**	21817
GRN 10 FT	380	C	100	**P.O.A.**	21822
GRN 20 FT	380	C	200	**P.O.A.**	21827
PRE-GALV 10 FT	380	B	100	**P.O.A.**	21832
PRE-GALV 20 FT	380	B	200	**P.O.A.**	21837
B22D					
PLAIN 10 FT	380	C	100	**P.O.A.**	21910
PLAIN 20 FT	380	C	200	**P.O.A.**	21915
GRN 10 FT	380	C	100	**P.O.A.**	21920
GRN 20 FT	380	C	200	**P.O.A.**	21925
PRE-GALV 10 FT	380	B	100	**P.O.A.**	21930
PRE-GALV 20 FT	380	B	200	**P.O.A.**	21935

A

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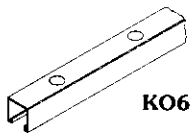
P.O.A. - Price on application.

CHANNEL AND COMBINATIONS

B-Line

Discount Schedule Shown in Shaded Box

CHANNEL HOLE PATTERNS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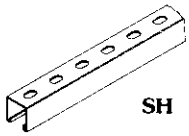
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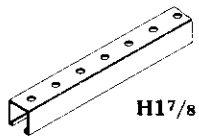
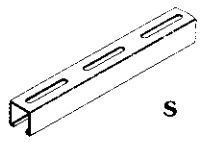

H1 7/8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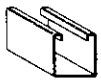
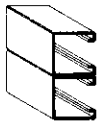
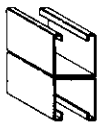
CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Ft.)


B24 CHANNEL


B24B CHANNEL


B24A CHANNEL

B24C CHANNEL

1 5/8" x 1 5/8" 14 GAUGE

B24					
PLAIN 10 FT	140	A	500	**P.O.A.**	22010
PLAIN 20 FT	140	A	500	**P.O.A.**	22015
GRN 10 FT	140	A	500	**274.20**	22020
GRN 20 FT	140	A	500	**274.20**	22025
PRE-GALV 10 FT	140	A	500	**279.10**	22030
PRE-GALV 20 FT	140	A	500	**279.10**	22035
B24KO6					
PLAIN 10 FT	140	D	500	**P.O.A.**	22110
PLAIN 20 FT	140	D	500	**P.O.A.**	22115
GRN 10 FT	140	B	500	**381.50**	22120
GRN 20 FT	140	B	500	**381.50**	22125
PRE-GALV 10 FT	140	B	500	**387.20**	22130
PRE-GALV 20 FT	140	B	500	**387.20**	22135
B24SH					
PLAIN 10 FT	134	C	500	**P.O.A.**	22210
PLAIN 20 FT	134	C	500	**P.O.A.**	22215
GRN 10 FT	134	A	500	**302.60**	22220
GRN 20 FT	134	A	500	**302.60**	22225
PRE-GALV 10 FT	134	A	500	**307.70**	22230
PRE-GALV 20 FT	134	A	500	**307.70**	22235
B24H1-7/8					
PLAIN 10 FT	136	B	500	**P.O.A.**	22310
PLAIN 20 FT	136	B	500	**P.O.A.**	22315
GRN 10 FT	136	A	500	**365.10**	22320
GRN 20 FT	136	A	500	**365.10**	22325
PRE-GALV 10 FT	136	A	500	**367.20**	22330
PRE-GALV 20 FT	136	A	500	**367.20**	22335

B24S					
PLAIN 10 FT	132	B	500	**P.O.A.**	22410
PLAIN 20 FT	132	B	500	**P.O.A.**	22415
GRN 10 FT	132	B	500	**348.20**	22420
GRN 20 FT	132	B	500	**348.20**	22425
PRE-GALV 10 FT	132	B	500	**387.20**	22430
PRE-GALV 20 FT	132	B	500	**387.20**	22435
B24A					
PLAIN 10 FT	280	B	200	**P.O.A.**	22610
PLAIN 20 FT	280	B	200	**P.O.A.**	22615
GRN 10 FT	280	C	200	**789.80**	22620
GRN 20 FT	280	C	200	**789.80**	22625
PRE-GALV 10 FT	280	B	200	**767.60**	22630
PRE-GALV 20 FT	280	B	200	**767.60**	22635
B24B					
PLAIN 10 FT	280	D	100	**P.O.A.**	22650
PLAIN 20 FT	280	D	200	**P.O.A.**	22653
GRN 10 FT	280	D	100	**P.O.A.**	22656
GRN 20 FT	280	D	200	**P.O.A.**	22659
PRE-GALV 10 FT	280	D	100	**P.O.A.**	22662
PRE-GALV 20 FT	280	D	200	**P.O.A.**	22665
B24C					
PLAIN 10 FT	280	D	100	**P.O.A.**	22675
PLAIN 20 FT	280	D	200	**P.O.A.**	22678
GRN 10 FT	280	D	100	**P.O.A.**	22681
GRN 20 FT	280	D	200	**P.O.A.**	22684
PRE-GALV 10 FT	280	D	100	**P.O.A.**	22687
PRE-GALV 20 FT	280	D	200	**P.O.A.**	22690

A

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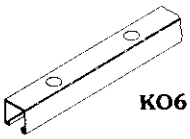
P.O.A. - Price on application.

CHANNEL HOLE PATTERNS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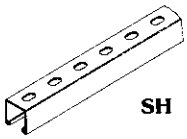
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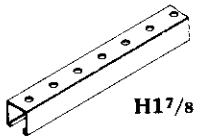
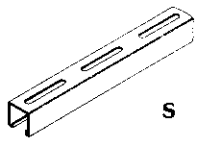

H1 7/8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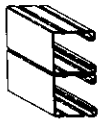
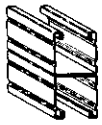
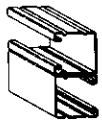
CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Ft.)

B26 CHANNEL


B26B CHANNEL


B26A CHANNEL


B26C CHANNEL

1 5/8" x 1 5/8" 16 GAUGE

B26					
PLAIN 10 FT	112	B	500	**P.O.A.**	22710
PLAIN 20 FT	112	B	500	**P.O.A.**	22715
GRN 10 FT	112	B	500	**283.40**	22720
GRN 20 FT	112	B	500	**283.40**	22725
PRE-GALV 10 FT	112	C	500	**302.00**	22730
PRE-GALV 20 FT	112	C	500	**302.00**	22735
B26KO6					
PLAIN 10 FT	112	C	500	**P.O.A.**	22810
PLAIN 20 FT	112	C	500	**P.O.A.**	22815
GRN 10 FT	112	C	500	**376.00**	22820
GRN 20 FT	112	C	500	**376.00**	22825
PRE-GALV 10 FT	112	D	500	**396.50**	22830
PRE-GALV 20 FT	112	D	500	**396.50**	22835
B26SH					
PLAIN 10 FT	107	D	500	**P.O.A.**	22910
PLAIN 20 FT	107	D	500	**P.O.A.**	22915
GRN 10 FT	107	B	500	**328.70**	22920
GRN 20 FT	107	B	500	**328.70**	22925
PRE-GALV 10 FT	107	C	500	**349.20**	22930
PRE-GALV 20 FT	107	C	500	**349.20**	22935
B26H1-7/8					
PLAIN 10 FT	109	D	500	**P.O.A.**	23010
PLAIN 20 FT	109	D	500	**P.O.A.**	23015
GRN 10 FT	109	D	500	**394.00**	23020
GRN 20 FT	109	D	500	**394.00**	23025
PRE-GALV 10 FT	109	D	500	**399.80**	23030
PRE-GALV 20 FT	109	D	500	**399.80**	23035
B26S					
PLAIN 10 FT	106	C	500	**P.O.A.**	23110
PLAIN 20 FT	106	C	500	**P.O.A.**	23115
GRN 10 FT	106	C	500	**347.10**	23120
GRN 20 FT	106	C	500	**347.10**	23125
PRE-GALV 10 FT	106	C	500	**385.50**	23130
PRE-GALV 20 FT	106	C	500	**385.50**	23135
B26A					
PLAIN 10 FT	224	D	200	**P.O.A.**	23310
PLAIN 20 FT	224	D	200	**P.O.A.**	23315
GRN 10 FT	224	C	200	**798.40**	23320
GRN 20 FT	224	C	200	**798.40**	23325
PRE-GALV 10 FT	224	D	200	**842.40**	23330
PRE-GALV 20 FT	224	D	200	**842.40**	23335
B26B					
PLAIN 10 FT	224	D	100	**P.O.A.**	23350
PLAIN 20 FT	224	D	200	**P.O.A.**	23353
GRN 10 FT	224	C	100	**P.O.A.**	23356
GRN 20 FT	224	C	200	**P.O.A.**	23359
PRE-GALV 10 FT	224	D	100	**P.O.A.**	23362
PRE-GALV 20 FT	224	D	200	**P.O.A.**	23365
B26C					
PLAIN 10 FT	224	D	100	**P.O.A.**	23375
PLAIN 20 FT	224	D	200	**P.O.A.**	23378
GRN 10 FT	224	D	100	**P.O.A.**	23381
GRN 20 FT	224	D	200	**P.O.A.**	23384
PRE-GALV 10 FT	224	D	100	**P.O.A.**	23387
PRE-GALV 20 FT	224	D	200	**P.O.A.**	23390

A

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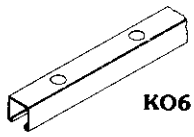
P.O.A. - Price on application.

CHANNEL AND COMBINATIONS

B-Line

CHANNEL HOLE PATTERNS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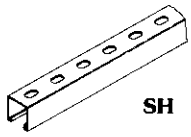
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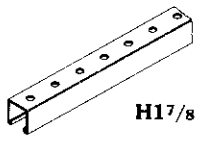
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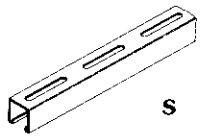
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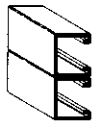
CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Ft.)

B32 CHANNEL


B32B CHANNEL

B32A CHANNEL

B32C CHANNEL

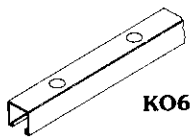
1 5/8" x 1 3/8" 12 GAUGE

B32					
PLAIN 10 FT	170	B	500	**P.O.A.**	23410
PLAIN 20 FT	170	B	500	**P.O.A.**	23415
GRN 10 FT	170	B	500	**336.10**	23420
GRN 20 FT	170	B	500	**336.10**	23425
PRE-GALV 10 FT	170	B	500	**342.00**	23430
PRE-GALV 20 FT	170	B	500	**342.00**	23435
B32KO6					
PLAIN 10 FT	170	C	500	**P.O.A.**	23510
PLAIN 20 FT	170	C	500	**P.O.A.**	23515
GRN 10 FT	170	C	500	**481.60**	23520
GRN 20 FT	170	C	500	**481.60**	23525
PRE-GALV 10 FT	170	C	500	**494.00**	23530
PRE-GALV 20 FT	170	C	500	**494.00**	23535
B32SH					
PLAIN 10 FT	162	B	500	**P.O.A.**	23610
PLAIN 20 FT	162	B	500	**P.O.A.**	23615
GRN 10 FT	162	B	500	**412.50**	23620
GRN 20 FT	162	B	500	**412.50**	23625
PRE-GALV 10 FT	162	B	500	**418.90**	23630
PRE-GALV 20 FT	162	B	500	**418.90**	23635
B32H1-7/8					
PLAIN 10 FT	165	D	500	**P.O.A.**	23710
PLAIN 20 FT	165	D	500	**P.O.A.**	23715
GRN 10 FT	165	C	500	**465.40**	23720
GRN 20 FT	165	C	500	**465.40**	23725
PRE-GALV 10 FT	165	C	500	**492.80**	23730
PRE-GALV 20 FT	165	C	500	**492.80**	23735
B32S					
PLAIN 10 FT	159	D	500	**P.O.A.**	23910
PLAIN 20 FT	159	D	500	**P.O.A.**	23915
GRN 10 FT	159	C	500	**485.30**	23920
GRN 20 FT	159	C	500	**485.30**	23925
PRE-GALV 10 FT	159	D	500	**511.00**	23930
PRE-GALV 20 FT	159	D	500	**511.00**	23935

B32A					
PLAIN 10 FT	340	C	200	**P.O.A.**	24010
PLAIN 20 FT	340	C	200	**P.O.A.**	24015
GRN 10 FT	340	C	200	**830.30**	24020
GRN 20 FT	340	C	200	**830.30**	24025
PRE-GALV 10 FT	340	C	200	**852.50**	24030
PRE-GALV 20 FT	340	C	200	**852.50**	24035
B32B					
PLAIN 10 FT	340	D	100	**P.O.A.**	24050
PLAIN 20 FT	340	D	200	**P.O.A.**	24053
GRN 10 FT	340	D	100	**P.O.A.**	24056
GRN 20 FT	340	D	200	**P.O.A.**	24059
PRE-GALV 10 FT	340	D	100	**P.O.A.**	24062
PRE-GALV 20 FT	340	D	200	**P.O.A.**	24065
B32C					
PLAIN 10 FT	340	D	100	**P.O.A.**	24075
PLAIN 20 FT	340	D	200	**P.O.A.**	24078
GRN 10 FT	340	D	100	**P.O.A.**	24081
GRN 20 FT	340	D	200	**P.O.A.**	24084
PRE-GALV 10 FT	340	D	100	**P.O.A.**	24087
PRE-GALV 20 FT	340	D	200	**P.O.A.**	24090

Stock Class A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

CHANNEL HOLE PATTERNS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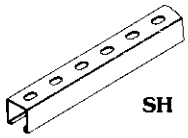
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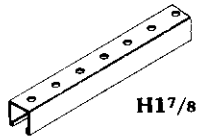
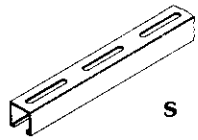
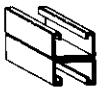

H1 7/8


S

(Priced Per 100 Ft.)

B42 CHANNEL

B42B CHANNEL


B42A CHANNEL

1 5/8" x 1" 12 GAUGE

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B42					
PLAIN 10 FT	144	A	500	**P.O.A.**	24110
PLAIN 20 FT	144	A	500	**P.O.A.**	24115
GRN 10 FT	144	B	500	**291.60**	24120
GRN 20 FT	144	B	500	**291.60**	24125
PRE-GALV 10 FT	144	A	500	**311.70**	24130
PRE-GALV 20 FT	144	A	500	**311.70**	24135
B42KO6					
PLAIN 10 FT	144	C	500	**P.O.A.**	24210
PLAIN 20 FT	144	C	500	**P.O.A.**	24215
GRN 10 FT	144	C	500	**422.10**	24220
GRN 20 FT	144	C	500	**422.10**	24225
PRE-GALV 10 FT	144	C	500	**433.50**	24230
PRE-GALV 20 FT	144	C	500	**433.50**	24235
B42SH					
PLAIN 10 FT	136	C	500	**P.O.A.**	24310
PLAIN 20 FT	136	C	500	**P.O.A.**	24315
GRN 10 FT	136	B	500	**362.20**	24320
GRN 20 FT	136	B	500	**362.20**	24325
PRE-GALV 10 FT	136	B	500	**367.90**	24330
PRE-GALV 20 FT	136	B	500	**367.90**	24335
B42H1-7/8					
PLAIN 10 FT	139	D	500	**P.O.A.**	24410
PLAIN 20 FT	139	D	500	**P.O.A.**	24415
GRN 10 FT	139	C	500	**421.70**	24420
GRN 20 FT	139	C	500	**421.70**	24425
PRE-GALV 10 FT	139	C	500	**429.00**	24430
PRE-GALV 20 FT	139	C	500	**429.00**	24435
B42S					
PLAIN 10 FT	133	C	500	**P.O.A.**	24510
PLAIN 20 FT	133	C	500	**P.O.A.**	24515
GRN 10 FT	133	C	500	**381.00**	24520
GRN 20 FT	133	C	500	**381.00**	24525
PRE-GALV 10 FT	133	C	500	**388.00**	24530
PRE-GALV 20 FT	133	C	500	**388.00**	24535
B42A					
PLAIN 10 FT	288	C	200	**P.O.A.**	24710
PLAIN 20 FT	288	C	200	**P.O.A.**	24715
GRN 10 FT	288	C	200	**805.20**	24720
GRN 20 FT	288	C	200	**805.20**	24725
PRE-GALV 10 FT	288	C	200	**821.00**	24730
PRE-GALV 20 FT	288	C	200	**821.00**	24735
B42B					
PLAIN 10 FT	288	D	100	**P.O.A.**	24750
PLAIN 20 FT	288	D	200	**P.O.A.**	24753
GRN 10 FT	288	D	100	**P.O.A.**	24756
GRN 20 FT	288	D	200	**P.O.A.**	24759
PRE-GALV 10 FT	288	D	100	**P.O.A.**	24762
PRE-GALV 20 FT	288	D	200	**P.O.A.**	24765

Stock Class A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
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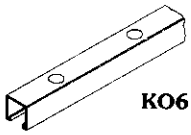
P.O.A. - Price on application.

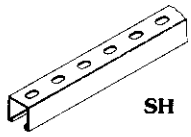
CHANNEL AND COMBINATIONS

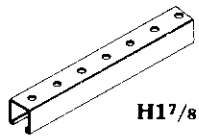
B-Line

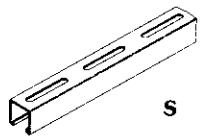
Shaded Schedule Shown in Shaded Box

CHANNEL HOLE PATTERNS









(Priced Per 100 Ft.)

B52 CHANNEL

B52A CHANNEL

1 5/8" x 13/16" 12 GAUGE

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B52					
PLAIN 10 FT	127	A	500	**P.O.A.**	24810
PLAIN 20 FT	127	A	500	**P.O.A.**	24815
GRN 10 FT	127	A	500	**262.00**	24820
GRN 20 FT	127	A	500	**262.00**	24825
PRE-GALV 10 FT	127	A	500	**266.50**	24830
PRE-GALV 20 FT	127	A	500	**266.50**	24835
B52KO6					
PLAIN 10 FT	127	D	500	**P.O.A.**	24910
PLAIN 20 FT	127	D	500	**P.O.A.**	24915
GRN 10 FT	127	D	500	**445.30**	24920
GRN 20 FT	127	D	500	**445.30**	24925
PRE-GALV 10 FT	127	D	500	**451.80**	24930
PRE-GALV 20 FT	127	D	500	**451.80**	24935
B52SH					
PLAIN 10 FT	119	A	500	**P.O.A.**	25010
PLAIN 20 FT	119	A	500	**P.O.A.**	25015
GRN 10 FT	119	A	500	**303.80**	25020
GRN 20 FT	119	A	500	**303.80**	25025
PRE-GALV 10 FT	119	A	500	**308.00**	25030
PRE-GALV 20 FT	119	A	500	**308.00**	25035
B52H1-7/8					
PLAIN 10 FT	122	C	500	**P.O.A.**	25110
PLAIN 20 FT	122	C	500	**P.O.A.**	25115
GRN 10 FT	122	C	500	**354.40**	25120
GRN 20 FT	122	C	500	**354.40**	25125
PRE-GALV 10 FT	122	C	500	**356.20**	25130
PRE-GALV 20 FT	122	C	500	**356.20**	25135
B52S					
PLAIN 10 FT	116	A	500	**P.O.A.**	25210
PLAIN 20 FT	116	A	500	**P.O.A.**	25215
GRN 10 FT	116	A	500	**305.90**	25220
GRN 20 FT	116	A	500	**305.90**	25225
PRE-GALV 10 FT	116	B	500	**344.10**	25230
PRE-GALV 20 FT	116	B	500	**344.10**	25235
B52A					
PLAIN 10 FT	254	B	200	**P.O.A.**	25410
PLAIN 20 FT	254	B	200	**P.O.A.**	25415
GRN 10 FT	254	B	200	**636.20**	25420
GRN 20 FT	254	B	200	**636.20**	25425
PRE-GALV 10 FT	254	B	200	**652.50**	25430
PRE-GALV 20 FT	254	B	200	**652.50**	25435

B54 CHANNEL

B54A CHANNEL

1 5/8" x 13/16" 14 GAUGE

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B54					
PLAIN 10 FT	97	A	500	**P.O.A.**	25510
PLAIN 20 FT	97	A	500	**P.O.A.**	25515
GRN 10 FT	97	A	500	**212.60**	25520
GRN 20 FT	97	A	500	**212.60**	25525
PRE-GALV 10 FT	97	A	500	**216.70**	25530
PRE-GALV 20 FT	97	A	500	**216.70**	25535
B54KO6					
PLAIN 10 FT	97	D	500	**P.O.A.**	25610
PLAIN 20 FT	97	D	500	**P.O.A.**	25615
GRN 10 FT	97	D	500	**372.00**	25620
GRN 20 FT	97	D	500	**372.00**	25625
PRE-GALV 10 FT	97	D	500	**378.50**	25630
PRE-GALV 20 FT	97	D	500	**378.50**	25635
B54SH					
PLAIN 10 FT	91	A	500	**P.O.A.**	25710
PLAIN 20 FT	91	A	500	**P.O.A.**	25715
GRN 10 FT	91	A	500	**256.90**	25720
GRN 20 FT	91	A	500	**256.90**	25725
PRE-GALV 10 FT	91	A	500	**261.50**	25730
PRE-GALV 20 FT	91	A	500	**261.50**	25735
B54H1-7/8					
PLAIN 10 FT	93	A	500	**P.O.A.**	25810
PLAIN 20 FT	93	A	500	**P.O.A.**	25815
GRN 10 FT	93	A	500	**272.00**	25820
GRN 20 FT	93	A	500	**272.00**	25825
PRE-GALV 10 FT	93	A	500	**273.80**	25830
PRE-GALV 20 FT	93	A	500	**273.80**	25835
B54S					
PLAIN 10 FT	89	A	500	**P.O.A.**	25910
PLAIN 20 FT	89	A	500	**P.O.A.**	25915
GRN 10 FT	89	A	500	**258.80**	25920
GRN 20 FT	89	A	500	**258.80**	25925
PRE-GALV 10 FT	89	A	500	**260.80**	25930
PRE-GALV 20 FT	89	A	500	**260.80**	25935
B54A					
PLAIN 10 FT	194	C	200	**P.O.A.**	26110
PLAIN 20 FT	194	C	200	**P.O.A.**	26115
GRN 10 FT	194	B	200	**583.90**	26120
GRN 20 FT	194	B	200	**583.90**	26125
PRE-GALV 10 FT	194	B	200	**595.70**	26130
PRE-GALV 20 FT	194	B	200	**595.70**	26135

Stock Class A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
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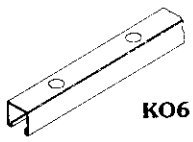
P.O.A. - Price on application.

Discount Schedule Shown in Shaded Box

CHANNEL HOLE PATTERNS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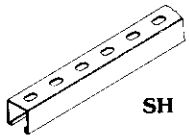
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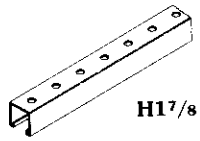
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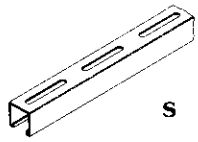
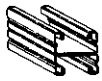

S

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Ft.)

B56 CHANNEL

B56A CHANNEL



A

1 5/8" x 13/16" 16 GAUGE

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B56					
PLAIN 10 FT	85	A	500	**P.O.A.**	26910
PLAIN 20 FT	85	A	500	**P.O.A.**	26915
GRN 10 FT	85	A	500	**216.00**	26920
GRN 20 FT	85	A	500	**216.00**	26925
PRE-GALV 10 FT	85	A	500	**219.60**	26930
PRE-GALV 20 FT	85	A	500	**219.60**	26935
B56KO6					
PLAIN 10 FT	85	D	500	**P.O.A.**	27010
PLAIN 20 FT	85	D	500	**P.O.A.**	27015
GRN 10 FT	85	D	500	**355.40**	27020
GRN 20 FT	85	D	500	**355.40**	27025
PRE-GALV 10 FT	85	D	500	**364.20**	27030
PRE-GALV 20 FT	85	D	500	**364.20**	27035
B56SH					
PLAIN 10 FT	80	A	500	**P.O.A.**	27110
PLAIN 20 FT	80	A	500	**P.O.A.**	27115
GRN 10 FT	80	A	500	**244.70**	27120
GRN 20 FT	80	A	500	**244.70**	27125
PRE-GALV 10 FT	80	A	500	**248.30**	27130
PRE-GALV 20 FT	80	A	500	**248.30**	27135
B56H1-7/8					
PLAIN 10 FT	82	B	500	**P.O.A.**	27210
PLAIN 20 FT	82	B	500	**P.O.A.**	27215
GRN 10 FT	82	B	500	**302.60**	27220
GRN 20 FT	82	B	500	**302.60**	27225
PRE-GALV 10 FT	82	B	500	**307.60**	27230
PRE-GALV 20 FT	82	B	500	**307.60**	27235
B56S					
PLAIN 10 FT	79	C	500	**P.O.A.**	27310
PLAIN 20 FT	79	C	500	**P.O.A.**	27315
GRN 10 FT	79	C	500	**310.70**	27320
GRN 20 FT	79	C	500	**310.70**	27325
PRE-GALV 10 FT	79	C	500	**352.00**	27330
PRE-GALV 20 FT	79	C	500	**352.00**	27335
B56A					
PLAIN 10 FT	170	D	200	**P.O.A.**	27510
PLAIN 20 FT	170	D	200	**P.O.A.**	27515
GRN 10 FT	170	C	200	**587.40**	27520
GRN 20 FT	170	C	200	**587.40**	27525
PRE-GALV 10 FT	170	B	200	**590.00**	27530
PRE-GALV 20 FT	170	B	200	**590.00**	27535

MINI CHANNEL

B62 CHANNEL

B62A CHANNEL

A

13/16" x 13/16" 18 GAUGE

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B62					
PLAIN 10 FT	42	B	500	**P.O.A.**	27610
PLAIN 20 FT	42	B	1000	**P.O.A.**	27615
GRN 10 FT	42	C	500	**181.70**	27620
GRN 20 FT	42	C	1000	**181.70**	27625
PRE-GALV 10 FT	42	C	500	**184.50**	27630
PRE-GALV 20 FT	42	C	1000	**184.50**	27635
B62A					
PLAIN 10 FT	84	D	200	**P.O.A.**	27710
PLAIN 20 FT	84	D	200	**P.O.A.**	27715
GRN 10 FT	84	C	200	**P.O.A.**	27720
GRN 20 FT	84	C	200	**P.O.A.**	27725
PRE-GALV 10 FT	84	C	200	**P.O.A.**	27730
PRE-GALV 20 FT	84	C	200	**P.O.A.**	27735

MINI CHANNEL

B72 CHANNEL

B72A CHANNEL

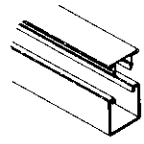
A

13/16" x 13/32" 18 GAUGE

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B72					
PLAIN 10 FT	29	A	500	**P.O.A.**	27810
GRN 10 FT	29	B	360	**170.40**	27820
PRE-GALV 10 FT	29	B	500	**172.10**	27830
B72A					
PLAIN 10 FT	58	D	200	**P.O.A.**	27850
GRN 10 FT	58	C	200	**P.O.A.**	27860
PRE-GALV 10 FT	58	C	200	**P.O.A.**	27870

CLOSURE STRIPS

A



B217-20 SNAP CLOSURE (20 GAUGE)
B217-24 SNAP CLOSURE (24 GAUGE)

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B217-20 (20 GAUGE)					
PLAIN 10 FT	48	A	160	**P.O.A.**	27910
GRN 10 FT	48	A	160	**125.00**	27920
PRE-GALV 10 FT	48	A	160	**139.20**	27930
B217-24 (24 GAUGE)					
PLAIN 10 FT	28	A	200	**P.O.A.**	28010
GRN 10 FT	28	A	200	**124.00**	28020
PRE-GALV 10 FT	28	A	200	**128.80**	28030

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P.O.A. - Price on application.

ECONO-STRUT & CONTINUOUS CONCRETE INSERTS

B-Line

Discount Schedule Shown in Shaded Box

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B217P PLASTIC CLOSURE STRIP (Priced Per 100 Ft.)					
B217P					
GRN 10 FT	9.2	B	160	**129.70**	28040
GRAY 10 FT	9.2	B	160	**129.70**	28042
B7016 ECONO-STRUT					
B7016H3/4 ECONO-STRUT					
5/8" x 3/4" 16 GAUGE (Priced Per 100 Ft.)					
E7016					
PRE-GALV 10 FT	45	B	500	**126.90**	28130
E7016H3/4					
PRE-GALV 10 FT	44	C	500	**145.00**	28230
E7166 JOINER (Priced Per 100 Pcs.)					
E7166 PLTD	42	C	50	**258.00**	28310
E7212 CLIP (Priced Per 100 Pcs.)					
E7212 PLTD	1	C	50	**61.30**	28410
E7355 BEAM CLIP (Priced Per 100 Pcs.)					
E7355 PLTD	8	C	50	**70.30**	28510

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
(Priced Per 100 Pcs.)					
Price Includes Styrofoam Filler and End Caps.					
B22I CONTINUOUS CONCRETE INSERT					
B32I CONTINUOUS CONCRETE INSERT					
B52I CONTINUOUS CONCRETE INSERT					
B22I-6					
PRE-GALV	120	C	1	**900.60**	29790
B22I-12					
PRE-GALV	224	C	1	**1774.30**	29820
B22I-24					
PRE-GALV	420	C	1	**2355.70**	29865
B22I-36					
PRE-GALV	620	C	1	**2879.50**	29895
B22I-48					
PRE-GALV	820	C	1	**3421.70**	29925
B22I-60					
PRE-GALV	1018	C	1	**4276.70**	29940
B22I-72					
PRE-GALV	1218	C	1	**5132.30**	29955
B22I-84					
PRE-GALV	1417	C	1	**5986.80**	29970
B22I-96					
PRE-GALV	1616	C	1	**6842.50**	29985
B22I-108					
PRE-GALV	1816	C	1	**7698.50**	30000
B22I-120					
PRE-GALV	2016	B	1	**7361.00**	30030
B22I-144					
PRE-GALV	2416	C	1	**10309.50**	30050
B22I-240					
PRE-GALV	4016	A	1	**13972.50**	30130
B32I-6					
PRE-GALV	108	C	1	**783.20**	30430
B32I-12					
PRE-GALV	202	C	1	**1543.00**	30630
B32I-24					
PRE-GALV	376	C	1	**2048.60**	30930
B32I-36					
PRE-GALV	556	C	1	**2503.70**	31130
B32I-48					
PRE-GALV	736	B	1	**2845.80**	31330
B32I-60					
PRE-GALV	915	C	1	**3718.90**	31430
B32I-72					
PRE-GALV	1095	C	1	**4463.20**	31530
B32I-84					
PRE-GALV	1274	C	1	**5205.70**	31630
B32I-96					
PRE-GALV	1453	C	1	**5949.90**	31730
B32I-108					
PRE-GALV	1633	C	1	**6569.10**	31830
B32I-120					
PRE-GALV	1813	B	1	**6387.20**	31930

Continued On Next Page

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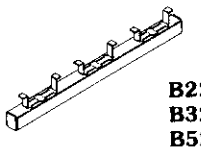
P.O.A. - Price on application.

CONTINUOUS CONCRETE INSERTS & SPOT INSERTS

B-Line

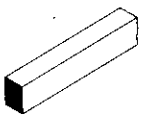
(Priced Per 100 Pcs.)



Price Includes Styrofoam Filler and End Caps.

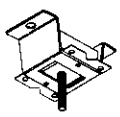
B22I CONTINUOUS CONCRETE INSERT
B32I CONTINUOUS CONCRETE INSERT
B52I CONTINUOUS CONCRETE INSERT

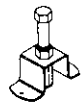
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B32I-144 PRE-GALV	2173	B	1	**8573.90**	32030
B32I-240 PRE-GALV	3613	A	1	**11079.10**	32430
B52I-6 PRE-GALV	85	D	1	**742.10**	32930
B52I-12 PRE-GALV	157	C	1	**1439.90**	33130
B52I-24 PRE-GALV	282	C	1	**1842.40**	33430
B52I-36 PRE-GALV	419	C	1	**2262.80**	33630
B52I-48 PRE-GALV	556	B	1	**2498.90**	33830
B52I-60 PRE-GALV	692	C	1	**3236.00**	33930
B52I-72 PRE-GALV	829	D	1	**4027.40**	34030
B52I-84 PRE-GALV	965	C	1	**4571.90**	34130
B52I-96 PRE-GALV	1107	C	1	**5226.20**	34230
B52I-108 PRE-GALV	1237	C	1	**5902.60**	34330
B52I-120 PRE-GALV	1374	C	1	**6411.60**	34430
B52I-144 PRE-GALV	1648	C	1	**7872.40**	34530
B52I-240 PRE-GALV	2744	B	1	**10157.00**	34930

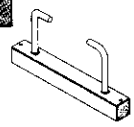


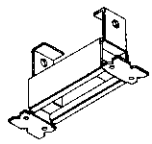
STYROFOAM FILLER STRIP (Furnished in 4 Ft. lengths)

B22-IFS FOR B22	10	A	1	**133.80**	35150
B32-IFS FOR B32	9	A	1	**133.80**	35160
B52-IFS FOR B52	7	A	1	**133.80**	35170









B2500 SPOT INSERT | **B2501 LIGHT DUTY SPOT INSERT** | **B2503 HEAVY DUTY INSERT** | **B2505 SPOT INSERT, B2506 SPOT INSERT, B2507 SPOT INSERT, B2508 SPOT INSERT**

B2500 (MAX. 6 INCH PIPE OR 600 LBS. DESIGN LOAD)					
PLAIN	46	A	100	**144.80**	63811
PLTD	46	A	100	**195.20**	63813
B2501 LIGHT DUTY SPOT INSERT					
B2501-1/4 PLTD	16	A	50	**247.30**	63770
B2501-3/8 PLTD	20	B	50	**265.30**	63771
B2501-1/2 PLTD	20	C	50	**294.10**	63772
B2503 HEAVY DUTY INSERT					
PLAIN	249	C	1	**2182.60**	63821
PLTD	249	B	1	**2211.30**	63822
GRN	249	D	1	**2397.60**	63823
HDG	274	C	1	**4090.60**	63824
B2505					
PLAIN	96	B	1	**559.10**	63911
PRE-GALV	96	B	1	**583.80**	63912
B2506					
PLAIN	88	D	1	**539.20**	63921
PRE-GALV	88	B	1	**547.20**	63922
B2507					
PLAIN	77	D	1	**574.40**	63931
PRE-GALV	77	D	1	**625.80**	63932
B2508					
PLAIN	69	D	1	**323.20**	63941
PRE-GALV	69	C	1	**342.70**	63942

N2500 SQUARE NUT FOR B2500 INSERTS

N2500-1/4					
PLAIN	13	B	100	**81.70**	36011
PLTD	13	B	100	**83.60**	36013
N2500-5/16					
PLAIN	13	D	100	**109.20**	36016
PLTD	13	C	100	**117.60**	36017
N2500-3/8					
PLAIN	12	A	100	**78.30**	36021
PLTD	12	A	100	**88.80**	36023
N2500-1/2					
PLAIN	12	B	100	**87.80**	36031
PLTD	12	A	100	**94.30**	36033
N2500-5/8					
PLAIN	11	B	100	**114.10**	36041
PLTD	11	B	100	**117.40**	36043
N2500-3/4					
PLAIN	10	C	100	**126.80**	36051
PLTD	10	B	100	**133.00**	36053
N2500-7/8					
PLAIN	9	C	100	**155.60**	36061
PLTD	9	C	100	**172.30**	36063

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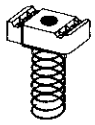
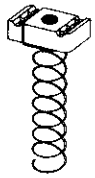
(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
TWIRL NUTS					
TN221 PLTD (#8-32)	7.0	C	100	**153.70**	40113
TN222 PLTD (#10-24)	7.0	C	100	**153.70**	40123
TN223 PLTD (5/16)	6.7	A	100	**145.50**	40133
TN224 PLTD (1/4)	6.7	A	100	**134.00**	40143
TN225 PLTD (1/2)	11.6	B	100	**160.30**	40153
TN226 PLTD (7/16)	8.8	C	100	**184.00**	40163
TN227 PLTD (#10-32)	7.0	B	100	**147.00**	40168
TN228 PLTD (3/8)	10.0	B	100	**148.30**	40173
TN525 PLTD (1/2)	8.8	B	100	**155.70**	40183





N200 SERIES **N500 SERIES** **N700 SERIES** **N200WO & N500WO SERIES**

TITE GRIP LOCK NUTS					
N221 PLTD (#8-32)	7.0	C	100	**126.40**	40303
N222 PLTD (#10-24)	7.0	B	100	**120.90**	40313
N223 PLTD (5/16)	6.7	B	100	**114.30**	40323
N224 PLTD (1/4)	6.7	A	100	**84.30**	40333
N225 PLTD (1/2)	11.6	A	100	**100.10**	40343
N226 PLTD (7/16)	8.8	C	100	**147.80**	40353
N227 PLTD (#10-32)	7.0	C	100	**133.80**	40358
N228 PLTD (3/8)	9.3	B	100	**97.50**	40363
N255 PLTD (5/8)	16.4	A	100	**214.50**	40373
N275 PLTD (3/4)	14.5	B	100	**228.10**	40383
N278 PLTD (7/8)	12.5	C	100	**249.80**	40393
N521 PLTD (#8-32)	7.0	C	100	**117.60**	40403
N522 PLTD (#10-24)	7.0	C	100	**117.60**	40413
N523 PLTD (5/16)	6.7	B	100	**106.00**	40423
N524 PLTD (1/4)	6.7	A	100	**88.60**	40433
N525 PLTD (1/2)	8.8	B	100	**107.80**	40443
N526 PLTD (7/16)	8.8	C	100	**139.00**	40453
N527 PLTD (#10-32)	7.0	C	100	**122.90**	40458
N528 PLTD (3/8)	9.3	B	100	**99.10**	40463
N555 PLTD (5/8)	10.2	C	100	**223.10**	40473
N575 PLTD (3/4)	8.8	C	100	**225.10**	40483
N721 PLTD (#8-32)	7.0	C	100	**147.80**	40493
N722 PLTD (#10-24)	7.0	C	100	**147.80**	40503
N723 PLTD (5/16)	6.7	C	100	**156.80**	40513
N724 PLTD (1/4)	6.7	B	100	**140.00**	40523
N725 PLTD (1/2)	11.6	B	100	**152.50**	40533
N726 PLTD (7/16)	8.8	C	100	**177.50**	40543
N727 PLTD (#10-32)	7.0	C	100	**156.80**	40548
N728 PLTD (3/8)	9.3	B	100	**143.90**	40553
N755 PLTD (5/8)	16.4	C	100	**263.60**	40563
N775 PLTD (3/4)	14.5	C	100	**266.20**	40573
N778 PLTD (7/8)	12.5	C	100	**279.00**	40583
N221WO PLTD (#8-32)	7.0	C	100	**101.50**	40593
N222WO PLTD (#10-24)	7.0	C	100	**101.50**	40603
N223WO PLTD (5/16)	6.7	C	100	**99.80**	40613
N224WO PLTD (1/4)	6.7	A	100	**83.20**	40623
N225WO PLTD (1/2)	11.6	A	100	**100.60**	40633
N226WO PLTD (7/16)	8.8	C	100	**122.90**	40643
N227WO PLTD (#10-32)	7.0	C	100	**110.60**	40648
N228WO PLTD (3/8)	9.3	A	100	**82.20**	40653
N255WO PLTD (5/8)	16.4	B	100	**163.00**	40663
N275WO PLTD (3/4)	14.5	C	100	**191.50**	40773
N278WO PLTD (7/8)	12.5	C	100	**200.70**	39013
N525WO PLTD (1/2)	8.8	A	100	**99.10**	39033
N555WO PLTD (5/8)	10.2	C	100	**206.20**	39043
N575WO PLTD (3/4)	8.8	C	100	**232.00**	39053

N600 SERIES **N7000 SERIES** **N600WO SERIES**

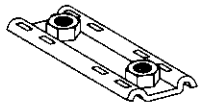
LOCK NUTS FOR B62 & B72					
N621 PLTD (#8-32)	1.0	C	100	**83.50**	40844
N622 PLTD (#10-24)	1.0	C	100	**83.50**	40854
N624 PLTD (1/4)	1.0	B	100	**79.80**	40864
N627 PLTD (#10-32)	1.0	B	100	**79.80**	40874
N7221 PLTD (#8-32)	1.0	B	100	**79.80**	40845
N7222 PLTD (#10-24)	1.0	C	100	**83.50**	40855
N7224 PLTD (1/4)	1.0	B	100	**79.80**	40865
N7227 PLTD (#10-32)	1.0	B	100	**71.50**	40875
N621WO PLTD (#8-32)	1.0	C	100	**64.50**	40843
N622WO PLTD (#10-24)	1.0	C	100	**64.50**	40853
N624WO PLTD (1/4)	1.0	C	100	**64.50**	40863
N627WO PLTD (#10-32)	1.0	C	100	**64.50**	40873

STIFFENER NUT FOR 1 5/8" WIDE CHANNEL

SC228 PLTD	21.0	A	100	**363.80**	41510

EZ TWIRL NUT FOR 1 5/8" WIDE CHANNEL

FN224 PLTD (1/4)	5.4	A	100	**88.50**	01794
FN228 PLTD (3/8)	5.4	A	100	**98.50**	01816



DOUBLE CONVEYOR NUT

DCN 3/8 PLTD (3/8)	15.2	C	100	**171.30**	86839

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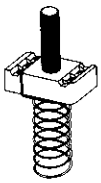
P.O.A. - Price on application.

CHANNEL NUTS & HARDWARE

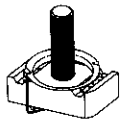
B-Line

(Priced Per 100 Pcs.)



STUD NUTS FOR 1 5/8" WIDE CHANNEL

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
SN224-3/4 PLTD	7.7	C	100	**444.50**	41203
SN224-1 PLTD	8.0	B	100	**425.20**	41213
SN224-1 1/4 PLTD	8.2	B	100	**481.50**	41215
SN224-1 1/2 PLTD	8.4	C	100	**509.00**	41217
SN225-3/4 PLTD	16.5	D	100	**704.50**	41219
SN225-1 PLTD	17.6	C	100	**686.90**	41228
SN225-1 1/4 PLTD	18.7	B	100	**695.30**	41233
SN225-1 1/2 PLTD	19.8	C	100	**728.10**	41248
SN228-3/4 PLTD	12.0	C	100	**615.60**	41283
SN228-1 PLTD	12.6	B	100	**533.30**	41293
SN228-1 1/4 PLTD	13.2	C	100	**566.20**	41303
SN228-1 1/2 PLTD	13.8	B	100	**626.40**	41313
SN524-3/4 PLTD	7.7	C	100	**482.00**	41343
SN524-1 PLTD	8.0	C	100	**486.70**	41346
SN524-1 1/4 PLTD	8.2	C	100	**495.40**	41349
SN524-1 1/2 PLTD	8.4	C	100	**501.60**	41352
SN525-3/4 PLTD	13.7	C	100	**718.50**	41355
SN525-1 PLTD	14.8	C	100	**720.10**	41358
SN525-1 1/4 PLTD	15.9	C	100	**734.90**	41361
SN525-1 1/2 PLTD	17.0	C	100	**735.60**	41364
SN528-3/4 PLTD	12.0	C	100	**602.70**	41367
SN528-1 PLTD	12.6	C	100	**610.10**	41370
SN528-1 1/4 PLTD	13.2	C	100	**619.60**	41373
SN528-1 1/2 PLTD	13.8	C	100	**648.20**	41376
SN724-3/4 PLTD	7.7	C	100	**511.80**	41379
SN724-1 PLTD	8.0	C	100	**516.20**	41382
SN724-1 1/4 PLTD	8.2	C	100	**521.00**	41385
SN724-1 1/2 PLTD	8.4	D	100	**550.30**	41388
SN725-3/4 PLTD	16.5	D	100	**746.60**	41391
SN725-1 PLTD	17.6	C	100	**746.30**	41394
SN725-1 1/4 PLTD	18.7	D	100	**809.90**	41397
SN725-1 1/2 PLTD	19.8	C	100	**830.30**	41400
SN728-3/4 PLTD	12.0	C	100	**648.80**	41403
SN728-1 PLTD	12.6	D	100	**673.80**	41406
SN728-1 1/4 PLTD	13.2	C	100	**659.00**	41409
SN728-1 1/2 PLTD	13.8	C	100	**688.20**	41412
SN224WO-3/4 PLTD	7.7	A	100	**426.30**	41415
SN224WO-1 PLTD	8.0	C	100	**469.80**	41418
SN224WO-1 1/4 PLTD	8.2	C	100	**474.30**	41421
SN224WO-1 1/2 PLTD	8.4	C	100	**483.40**	41424
SN225WO-3/4 PLTD	16.5	C	100	**665.70**	41427
SN225WO-1 PLTD	17.6	C	100	**691.50**	41430
SN225WO-1 1/4 PLTD	18.7	C	100	**720.10**	41433
SN225WO-1 1/2 PLTD	19.8	C	100	**748.80**	41436
SN228WO-3/4 PLTD	12.0	C	100	**585.80**	41439
SN228WO-1 PLTD	12.6	C	100	**593.30**	41442
SN228WO-1 1/4 PLTD	13.2	C	100	**599.80**	41445
SN228WO-1 1/2 PLTD	13.8	C	100	**631.40**	41448
SN525WO-3/4 PLTD	13.7	C	100	**669.30**	41451
SN525WO-1 PLTD	14.8	D	100	**721.70**	41454
SN525WO-1 3/4 PLTD	15.9	D	100	**751.70**	41457
SN525WO-1 1/2 PLTD	17.0	D	100	**781.30**	41460



TWIRL STUD NUTS FOR 1 5/8" WIDE CHANNEL

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
STN224-3/4 PLTD	7.7	B	100	**580.90**	41463
STN224-1 PLTD	8.0	B	100	**584.90**	41466
STN224-1 1/4 PLTD	8.2	B	100	**592.10**	41469
STN224-1 1/2 PLTD	8.4	C	100	**628.10**	41472
STN225-3/4 PLTD	16.5	C	100	**835.90**	41475
STN225-1 PLTD	17.6	C	100	**866.10**	41478
STN225-1 1/4 PLTD	18.7	C	100	**923.10**	41481
STN225-1 1/2 PLTD	19.8	C	100	**808.90**	41484
STN228-3/4 PLTD	12.0	C	100	**753.40**	41487
STN228-1 PLTD	12.6	B	100	**721.80**	41490
STN228-1 1/4 PLTD	13.2	C	100	**773.20**	41493
STN228-1 1/2 PLTD	13.8	C	100	**808.50**	41496
STN525-3/4 PLTD	13.7	D	100	**716.10**	41499
STN525-1 PLTD	14.8	C	100	**715.60**	41502
STN525-1 1/4 PLTD	15.9	D	100	**784.30**	41505
STN525-1 1/2 PLTD	17.0	C	100	**804.90**	41508

HEX HEAD CAP SCREWS

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
1/4 x 1/2 PLTD	1.3	C	100	**20.50**	41515
1/4 x 3/4 PLTD	1.4	C	100	**20.70**	41517
1/4 x 1 PLTD	1.7	C	100	**21.00**	41519
1/4 x 1 1/4 PLTD	2.1	C	100	**21.80**	41521
1/4 x 1 1/2 PLTD	2.4	C	100	**22.20**	41523
5/16 x 1 PLTD	2.8	C	100	**33.00**	41525
5/16 x 1 1/4 PLTD	3.2	B	100	**32.80**	41527
5/16 x 1 1/2 PLTD	3.8	C	100	**36.50**	41529
3/8 x 3/4 PLTD	3.4	A	100	**22.70**	41533
3/8 x 1 PLTD	4.1	B	100	**23.70**	41543
3/8 x 1 1/4 PLTD	4.7	A	100	**31.50**	41545
3/8 x 1 1/2 PLTD	5.2	A	100	**34.10**	41548
3/8 x 1 3/4 PLTD	5.9	B	100	**40.70**	41550
3/8 x 2 PLTD	7.0	C	100	**43.40**	41553
3/8 x 2 1/4 PLTD	7.8	C	100	**46.70**	41563
3/8 x 2 1/2 PLTD	8.5	B	100	**49.40**	41568
1/2 x 7/8 PLTD	8.0	A	100	**44.20**	41643
1/2 x1 PLTD	8.4	B	100	**49.40**	41574
1/2 x 1 1/4 PLTD	9.2	A	100	**49.20**	41513
1/2 x 1 1/2 PLTD	10.1	B	100	**56.60**	41593
1/2 x 1 3/4 PLTD	12.0	A	100	**66.90**	41603
1/2 x 2 PLTD	13.2	A	100	**75.30**	41613
1/2 x 2 1/2 PLTD	16.0	B	100	**90.40**	41633

SLOTTED HEX HEAD MACHINE SCREWS

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
1/4 x 3/4 PLTD	1.2	B	100	**20.80**	41703
1/4 x 1 PLTD	1.5	A	100	**17.00**	41713
1/4 x 1 1/4 PLTD	1.8	A	100	**18.50**	41718
1/4 x 1 1/2 PLTD	2.0	A	100	**20.00**	41723
5/16 x 1 PLTD	2.6	B	100	**25.80**	41728
5/16 x 1 1/4 PLTD	3.1	A	100	**24.90**	41733
5/16 x 1 1/2 PLTD	3.4	A	100	**27.80**	41738
3/8 x 1 1/4 PLTD	4.6	A	100	**31.30**	41743
3/8 x 1 1/2 PLTD	5.3	C	100	**41.60**	41748

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
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P.O.A. - Price on application.

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
FLAT HEAD MACHINE SCREWS					
1/4 x 1/2 PLTD	1.1	B	100	**15.10**	41800
1/4 x 5/8 PLTD	1.2	A	100	**14.60**	41803
1/4 x 3/4 PLTD	1.4	C	100	**17.00**	41808
5/16 x 1 PLTD	2.8	D	100	**30.30**	41813
3/8 x 1 1/2 PLTD	5.6	C	100	**57.00**	41818
3/8 x 2 PLTD	6.7	C	100	**61.00**	41823
3/8 x 2 1/4 PLTD	7.3	C	100	**65.30**	41833
3/8 x 2 1/2 PLTD	7.9	D	100	**83.00**	41843
1/2 x 1 PLTD	5.9	D	100	**82.40**	41853
1/2 x 1 1/4 PLTD	7.0	D	100	**109.60**	41863
1/2 x 1 1/2 PLTD	8.3	C	100	**128.80**	41868
1/2 x 2 1/2 PLTD	13.8	D	100	**164.00**	41873
ROUND HEAD HEAD MACHINE SCREWS					
1/4 x 1/2 PLTD	.9	B	100	**18.10**	41900
1/4 x 3/4 PLTD	1.2	C	100	**18.70**	41903
1/4 x 1 PLTD	1.5	A	100	**17.10**	41913
1/4 x 1 1/4 PLTD	1.7	A	100	**18.30**	41916
1/4 x 1 1/2 PLTD	1.9	B	100	**20.50**	41919
5/16 x1 PLTD	2.5	B	100	**29.70**	41923
5/16 x 1 1/4 PLTD	2.9	C	100	**38.50**	41933
5/16 x 1 1/2 PLTD	3.3	B	100	**38.00**	41938
3/8 x 1 PLTD	4.0	C	100	**45.20**	41943
3/8 x 1 1/4 PLTD	4.5	C	100	**46.70**	41953
3/8 x 1 1/2 PLTD	5.1	C	100	**55.50**	41963
3/8 x 2 PLTD	6.3	C	100	**71.70**	41966
3/8 x 2 1/4 PLTD	7.1	D	100	**76.80**	41969
3/8 x 2 1/2 PLTD	7.7	C	100	**76.10**	41973
CONE POINT SET SCREWS					
3/8 x 1 1/2 PLTD	4.7	B	100	**76.20**	41980
3/8 x 2 PLTD	6.0	A	100	**82.40**	41983
1/2 x 1 1/2 PLTD	9.2	A	100	**111.60**	41986
1/2 x 2 PLTD	11.4	A	100	**117.80**	41989
1/2 x 2 1/2 PLTD	13.7	A	100	**175.20**	41992
5/8 x 2 PLTD	19.0	C	100	**412.80**	41995
5/8 x 2 1/2 PLTD	22.6	C	100	**470.00**	41998
SQUARE NUTS					
1/4 PLTD *	.8	A	100	**6.30**	42103
5/16 PLTD *	1.6	A	100	**12.90**	42113
3/8 PLTD * (†)	1.8	A	100	**24.60**	42123
1/2 PLTD	5.7	C	100	**43.20**	42133
5/8 PLTD	10.1	C	100	**81.70**	42143
FLAT WASHERS					
1/4 PLTD	.7	C	100	**8.40**	42203
5/16 PLTD	1.4	C	100	**9.60**	42213
3/8 PLTD	1.7	A	100	**10.80**	42223
1/2 PLTD	3.9	A	100	**17.10**	42233
5/8 PLTD	6.4	B	100	**46.60**	42243
3/4 PLTD	10.9	C	100	**83.10**	42253
7/8 PLTD	13.4	B	100	**106.20**	42263
1 PLTD	18.8	C	100	**137.20**	42273
LOCK WASHERS					
1/4 PLTD	.3	C	100	**7.60**	42303
5/16 PLTD	.4	B	100	**9.60**	42313
3/8 PLTD	.6	A	100	**10.50**	42323
1/2 PLTD	1.3	A	100	**17.10**	42333
5/8 PLTD	2.4	C	100	**32.30**	42343
3/4 PLTD	3.8	C	100	**44.50**	42353
7/8 PLTD	5.9	D	100	**74.20**	42363
1 PLTD	8.8	C	100	**111.60**	42373
HEX NUTS					
1/4 PLTD	.7	A	100	**10.50**	42403
5/16 PLTD	1.0	A	100	**14.60**	42413
3/8 PLTD	1.5	A	100	**16.40**	42423
1/2 PLTD	3.6	A	100	**31.90**	42433
5/8 PLTD	7.2	A	100	**40.10**	42443
3/4 PLTD	11.1	A	100	**77.90**	42453
7/8 PLTD	17.9	A	100	**133.80**	42463
1 PLTD	27.2	A	100	**265.20**	42473
FENDER WASHERS					
1/4 x 1 1/4 OD PLTD	2.2	B	100	**32.40**	42503
1/4 x 1 1/2 OD PLTD	3.1	C	100	**45.20**	42508
3/8 x 1 1/4 OD PLTD	2.0	B	100	**55.40**	42513
3/8 x 1 1/2 OD PLTD	3.0	B	100	**44.20**	42523
1/2 x 2 OD PLTD	5.4	C	100	**105.30**	42548

* Machine Square Nuts.
(†) Can be used with B755 Beam Clamp.

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P.O.A. - Price on application.

STRUT FITTINGS

B-Line

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B101 2-HOLE CORNER ANGLE					
B101 GRN	37	A	50	**134.00**	50012
B101 PLTD	37	A	50	**134.00**	50013
B102 3-HOLE CORNER ANGLE					
B102 GRN	56	B	25	**221.20**	50022
B102 PLTD	56	B	25	**221.20**	50023
B103 3-HOLE CORNER ANGLE					
B103 GRN	56	B	20	**210.00**	50032
B103 PLTD	56	B	20	**210.00**	50033
B104 4-HOLE ANGLE CONNECTION					
B104 GRN	78	A	25	**263.10**	50042
B104 PLTD	78	A	25	**263.10**	50043
B104SH 3-HOLE ADJUSTABLE CORNER ANGLE					
B104SH GRN	68	C	25	**465.70**	50048
B104SH PLTD	68	C	25	**465.70**	50049
B105 3-HOLE ZEE SUPPORT FOR B22					
B105 GRN	51	B	20	**258.40**	50052
B105 PLTD	51	B	20	**258.40**	50053
B106 (SERIES) 2-HOLE ZEE SUPPORT					
B106-12 GRN	63	C	25	**602.30**	50072
B106-12 PLTD	63	C	25	**602.30**	50073
B106-32 GRN	51	C	25	**430.60**	50082
B106-32 PLTD	51	C	25	**430.60**	50083
B106-42 GRN	44	C	25	**377.20**	50062
B106-42 PLTD	44	C	25	**377.20**	50063
B106-52 GRN	40	C	25	**342.90**	50092
B106-52 PLTD	40	C	25	**342.90**	50093
B107 5-HOLE "U" SUPPORT					
B107 GRN	85	B	25	**326.60**	50102
B107 PLTD	85	B	25	**326.60**	50103
B107S 5-HOLE "U" SUPPORT					
B107S GRN	51	C	25	**344.90**	50112
B107S PLTD	51	C	25	**344.90**	50113
B107-22A 3-HOLE "U" SUPPORT					
B107-22A GRN	126	B	15	**805.00**	50122
B107-22A PLTD	126	B	15	**805.00**	50123
B108 2-HOLE OFFSET ZEE SUPPORT					
B108 GRN	55	C	25	**423.00**	50132
B108 PLTD	55	C	25	**423.00**	50133
B109S 2-HOLE TAPPED CORNER ANGLE					
B109S GRN	33	B	50	**373.50**	50138
B109S PLTD	33	B	50	**373.50**	50139

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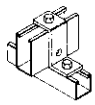
P.O.A. - Price on application.

(Priced Per 100 Pcs.)

B110
3-HOLE OFFSET ZEE SUPPORT FOR B11

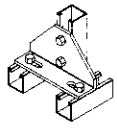


CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B110 GRN	70	C	25	**493.20**	50142
B110 PLTD	70	C	25	**493.20**	50143

B111
3-HOLE SHEATH CORNER CONNECTION

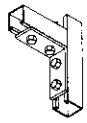
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B111 GRN	68	C	25	**571.10**	50152
B111 PLTD	68	C	25	**571.10**	50153

B112 & B113
4-HOLE ADJUSTABLE CORNER ANGLE



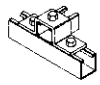
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B112 GRN	180	C	25	**1029.60**	50162
B112 PLTD	180	C	25	**1029.60**	50163
B113 GRN	256	C	25	**1566.30**	50172
B113 PLTD	256	C	25	**1566.30**	50173

B115
4-HOLE CORNER ANGLE



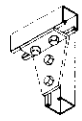
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B115 GRN	76	A	25	**310.30**	50182
B115 PLTD	76	A	25	**310.30**	50183

B116 (SERIES)
3-HOLE "U" SUPPORT



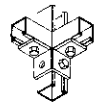
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B116-12 GRN	108	C	25	**904.80**	50202
B116-12 PLTD	108	C	25	**904.80**	50203
B116-32 GRN	84	C	25	**617.80**	50192
B116-32 PLTD	84	C	25	**617.80**	50193
B116-32A GRN	116	C	25	**904.80**	50212
B116-32A PLTD	116	C	25	**904.80**	50213
B116-42 GRN	75	C	25	**537.70**	50222
B116-42 PLTD	75	C	25	**537.70**	50223
B116-52 GRN	70	C	25	**485.40**	50232
B116-52 PLTD	70	C	25	**485.40**	50233

B118
4-HOLE GUSSETTED SHELF ANGLE



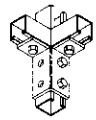
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B118 GRN	102	B	25	**846.00**	50242
B118 PLTD	102	B	25	**846.00**	50242

B119
4-HOLE DOUBLE CORNER CONNECTION



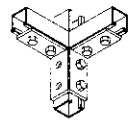
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B119 GRN	71	B	25	**604.00**	50252
B119 PLTD	71	B	25	**604.00**	50253

B120
6-HOLE CORNER CONNECTION



CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B120 GRN	110	C	25	**826.50**	50262
B120 PLTD	110	C	25	**826.50**	50263

B121
8-HOLE DOUBLE CORNER CONNECTION

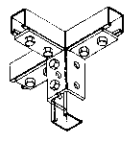


CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B121 GRN	152	B	15	**1107.40**	50272
B121 PLTD	152	B	15	**1107.40**	50273

B122
6-HOLE TRIPLE WING CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B122 GRN	110	C	10	**1019.50**	50282
B122 PLTD	110	C	10	**1019.50**	50283

B123
12-HOLE TRIPLE WING CONNECTION



CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B123 GRN	234	B	7	**1698.80**	50292
B123 PLTD	234	B	7	**1698.80**	50293

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
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P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown In Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B124 9-HOLE TRIPLE WING CONNECTION					
B124 GRN	177	B	10	**1176.50**	50302
B124 PLTD	177	B	10	**1176.50**	50303
B125 3-HOLE GUSSETED SHELF ANGLE					
B125 GRN	67	C	25	**714.30**	50308
B125 PLTD	67	C	25	**714.30**	50309
B126 THREE WAY SHELF ANGLE					
B126 GRN	101	C	25	**1029.60**	50312
B126 PLTD	101	C	25	**1029.60**	50313
B127 5-HOLE GUSSETTED THREE WAY SHELF ANGLE					
B127 GRN	135	C	20	**1130.60**	50322
B127 PLTD	135	C	20	**1130.60**	50323
B129 2-HOLE SPLICE PLATE					
B129 GRN	37	B	50	**148.80**	50332
B129 PLTD	37	B	50	**148.80**	50333
B132 5-HOLE CROSS PLATE					
B132 GRN	100	B	20	**831.50**	50342
B132 PLTD	100	B	20	**831.50**	50343
B133 4-HOLE TEE PLATE					
B133 GRN	75	A	25	**420.70**	50352
B133 PLTD	75	A	25	**420.70**	50353
B134 4-HOLE CORNER GUSSET					
B134R GRN	100	C	20	**778.60**	50362
B134R PLTD	100	C	20	**778.60**	50363
B134L GRN	100	C	20	**778.60**	50372
B134L PLTD	100	C	20	**778.60**	50373
B135 3-HOLE CORNER GUSSET PLATE					
B135 GRN	70	C	25	**521.60**	50382
B135 PLTD	70	C	25	**521.60**	50383
B136 4-HOLE TEE GUSSET PLATE					
B136 GRN	100	B	20	**788.60**	50392
B136 PLTD	100	B	20	**788.60**	50393
B137 4-HOLE CORNER GUSSET PLATE					
B137 GRN	273	C	10	**1717.10**	50402
B137 PLTD	273	C	10	**1717.10**	50403
B138 2-HOLE SWIVEL PLATE					
B138 GRN	48	C	50	**446.90**	50412
B138 PLTD	48	C	50	**446.90**	50413

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P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown In Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B139 3-HOLE SWIVEL PLATE					
B139 GRN	69	B	25	**755.20**	50422
B139 PLTD	69	B	25	**755.20**	50423
B140 3-HOLE CORNER PLATE					
B140 GRN	56	A	25	**296.30**	50432
B140 PLTD	56	A	25	**296.30**	50433
B141 3-HOLE SPLICE PLATE					
B141 GRN	55	B	25	**223.10**	50442
B141 PLTD	55	B	25	**223.10**	50443
B142 4-HOLE CORNER GUSSET PLATE					
B142 GRN	102	C	25	**674.90**	50452
B142 PLTD	102	C	25	**674.90**	50453
B143 4-HOLE CORNER PLATE					
B143 GRN	75	A	25	**527.20**	50462
B143 PLTD	75	A	25	**527.20**	50463
B147 thru B152 2-HOLE OPEN ANGLE FITTINGS					
B147 GRN (82 1/2°)	63	C	25	**389.60**	50492
B147 PLTD (82 1/2°)	63	C	25	**389.60**	50493
B148 GRN (75°)	63	C	25	**389.60**	50502
B148 PLTD (75°)	63	C	25	**389.60**	50503
B149 GRN (67 1/2°)	63	C	25	**389.60**	50512
B149 PLTD (67 1/2°)	63	C	25	**389.60**	50513
B150 GRN (60°)	63	C	25	**389.60**	51322
B150 PLTD (60°)	63	C	25	**389.60**	51323
B151 GRN (52 1/2°)	63	C	20	**389.60**	51332
B151 PLTD (52 1/2°)	63	C	20	**389.60**	51333
B152 GRN (37 1/2°)	63	C	20	**389.60**	51342
B152 PLTD (37 1/2°)	63	C	20	**389.60**	51343
B154 2-HOLE OPEN ANGLE (45°) FITTING					
B154 GRN	58	B	25	**276.10**	51352
B154 PLTD	58	B	25	**276.10**	51353
B155 2-HOLE CLOSED ANGLE (45°) FITTING					
B155 GRN	63	B	25	**305.80**	51362
B155 PLTD	63	B	25	**305.80**	51363
B156 THRU B161 2-HOLE CLOSED ANGLE FITTING					
B156 GRN (82 1/2°)	56	C	25	**389.60**	51372
B156 PLTD (82 1/2°)	56	C	25	**389.60**	51373
B157 GRN (75°)	56	C	25	**389.60**	51382
B157 PLTD (75°)	56	C	25	**389.60**	51383
B158 GRN (67 1/2°)	56	C	25	**389.60**	51392
B158 PLTD (67 1/2°)	56	C	25	**389.60**	51393
B159 GRN (60°)	56	C	25	**389.60**	51402
B159 PLTD (60°)	56	C	25	**389.60**	51403
B160 GRN (52 1/2°)	56	C	25	**389.60**	51412
B160 PLTD (52 1/2°)	56	C	25	**389.60**	51413
B161 GRN (37 1/2°)	56	C	25	**389.60**	51422
B161 PLTD (37 1/2°)	56	C	25	**389.60**	51423
B162 THRU B165 2-HOLE OPEN ANGLE FITTINGS					
B162 GRN (30°)	59	C	25	**389.80**	51432
B162 PLTD (30°)	59	C	25	**389.80**	51433
B163 GRN (22 1/2°)	59	C	25	**389.80**	51442
B163 PLTD (22 1/2°)	59	C	25	**389.80**	51443
B164 GRN (15°)	59	C	25	**389.80**	51452
B164 PLTD (15°)	59	C	25	**389.80**	51453
B165 GRN (7 1/2°)	59	C	25	**389.80**	51462
B165 PLTD (7 1/2°)	59	C	25	**389.80**	51463

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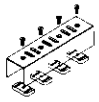
P.O.A. - Price on application.

STRUT FITTINGS

B-Line

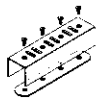
Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)



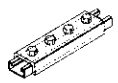
B166 (SERIES)
4-HOLE SPLICE CLEVIS

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B166-11 GRN	128	C	10	**904.60**	51482
B166-11 PLTD	128	C	10	**904.60**	51483
B166-12 GRN	108	C	15	**856.80**	51492
B166-12 PLTD	108	C	15	**856.80**	51493
B166-22 GRN	91	B	20	**666.90**	51472
B166-22 PLTD	91	B	20	**666.90**	51473
B166-32 GRN	83	C	20	**759.00**	51502
B166-32 PLTD	83	C	20	**759.00**	51503
B166-42 GRN	75	C	20	**745.40**	51512
B166-42 PLTD	75	C	20	**745.40**	51513
B166-52 GRN	71	C	20	**723.40**	51532
B166-52 PLTD	71	C	20	**723.40**	51533



B166-46 (SERIES)
4-HOLE SPLICE CLEVIS ASSEMBLY

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B166-46-11 GRN	118	C	10	**914.40**	57012
B166-46-11 PLTD	118	C	10	**914.40**	57013
B166-46-12 GRN	98	C	15	**843.70**	57022
B166-46-12 PLTD	98	C	15	**843.70**	57023
B166-46-22 GRN	79	B	20	**669.00**	57032
B166-46-22 PLTD	79	B	20	**669.00**	57033
B166-46-32 GRN	73	D	20	**789.60**	57042
B166-46-32 PLTD	73	D	20	**789.60**	57043
B166-46-42 GRN	65	D	20	**767.00**	57052
B166-46-42 PLTD	65	D	20	**767.00**	57053
B166-46-52 GRN	61	C	20	**725.40**	57062
B166-46-52 PLTD	61	C	20	**725.40**	57063
B166CL GRN	4	B	100	**164.20**	57068
B166CL PLTD	4	B	100	**164.20**	57069



B167
4-HOLE SPLICE CLEVIS FOR B52

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B167 GRN	178	C	20	**931.80**	51542
B167 PLTD	178	C	20	**931.80**	51543

B168
3-HOLE SPLICE CLEVIS FOR B52

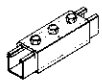
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B168 GRN	126	C	20	**743.90**	51552
B168 PLTD	126	C	20	**743.90**	51553

B169
2-HOLE SPLICE CLEVIS FOR B52

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B169 GRN	84	C	20	**526.80**	51562
B169 PLTD	84	C	20	**526.80**	51563

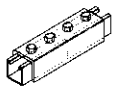
B170
2-HOLE SPLICE CLEVIS FOR B22

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B170 GRN	123	C	25	**710.30**	51572
B170 PLTD	123	C	25	**710.30**	51573



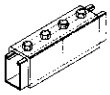
B171
3-HOLE SPLICE CLEVIS FOR B22

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B171 GRN	195	C	20	**1029.60**	51582
B171 PLTD	195	C	20	**1029.60**	51583



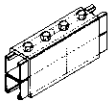
B172
4-HOLE SPLICE CLEVIS FOR B22

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B172 GRN	266	A	10	**1074.70**	51592
B172 PLTD	266	A	10	**1074.70**	51593



B172-12
4-HOLE SPLICE CLEVIS FOR B12

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B172-12 GRN	326	C	10	**1603.30**	51596
B172-12 PLTD	326	C	10	**1603.30**	51597



B172-22A
4-HOLE SPLICE CLEVIS FOR B11

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B172-22A GRN	406	B	5	**1850.90**	51598
B172-22A PLTD	406	B	5	**1850.90**	51599

B173
4-HOLE CLEVIS

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B173 GRN	71	C	20	**525.70**	51602
B173 PLTD	71	C	20	**525.70**	51603

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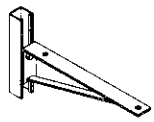
STRUT FITTINGS

B-Line

(Priced Per 100 Pcs.)

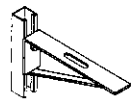
B174SH thru B186SH
SLOTTED BRACKETS 6" thru 30"

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B174SHR GRN 24"	370	C	10	**2556.80**	51612
B174SHR PLTD 24"	370	C	10	**2556.80**	51613
B174SHL GRN 24"	370	C	10	**2556.80**	51622
B174SHL PLTD 24"	370	C	10	**2556.80**	51623
B175SHR GRN 26"	425	C	10	**2813.00**	51632
B175SHR PLTD 26"	425	C	10	**2813.00**	51633
B175SHL GRN 26"	425	C	10	**2813.00**	51642
B175SHL PLTD 26"	425	C	10	**2813.00**	51643
B176SHR GRN 28"	480	C	10	**3131.30**	51652
B176SHR PLTD 28"	480	C	10	**3131.30**	51653
B176SHL GRN 28"	480	C	10	**3131.30**	51662
B176SHL PLTD 28"	480	C	10	**3131.30**	51663
B177SHR GRN 30"	520	C	10	**3533.00**	51672
B177SHR PLTD 30"	520	C	10	**3533.00**	51673
B177SHL GRN 30"	520	C	10	**3533.00**	51682
B177SHL PLTD 30"	520	C	10	**3533.00**	51683
B178SHR GRN 12"	143	C	10	**1042.20**	51692
B178SHR PLTD 12"	143	C	10	**1042.20**	51693
B178SHL GRN 12"	143	C	10	**1042.20**	51702
B178SHL PLTD 12"	143	C	10	**1042.20**	51703
B179SHR GRN 14"	162	C	10	**1228.80**	51712
B179SHR PLTD 14"	162	C	10	**1228.80**	51713
B179SHL GRN 14"	162	C	10	**1228.80**	51722
B179SHL PLTD 14"	162	C	10	**1228.80**	51723
B180SHR GRN 16"	204	B	10	**1391.30**	51732
B180SHR PLTD 16"	204	B	10	**1391.30**	51733
B180SHL GRN 16"	204	B	10	**1391.30**	51742
B180SHL PLTD 16"	204	B	10	**1391.30**	51743
B181SHR GRN 18"	232	C	10	**1695.00**	51752
B181SHR PLTD 18"	232	C	10	**1695.00**	51753
B181SHL GRN 18"	232	C	10	**1695.00**	51762
B181SHL PLTD 18"	232	C	10	**1695.00**	51763
B182SHR GRN 20"	275	C	10	**1952.00**	51772
B182SHR PLTD 20"	275	C	10	**1952.00**	51773
B182SHL GRN 20"	275	C	10	**1952.00**	51782
B182SHL PLTD 20"	275	C	10	**1952.00**	51783
B183SHR GRN 22"	317	C	10	**2233.10**	51792
B183SHR PLTD 22"	317	C	10	**2233.10**	51793
B183SHL GRN 22"	317	C	10	**2233.10**	51802
B183SHL PLTD 22"	317	C	10	**2233.10**	51803
B184SHR GRN 6"	58	C	10	**610.50**	51812
B184SHR PLTD 6"	58	C	10	**610.50**	51813
B184SHL GRN 6"	58	C	10	**610.50**	51822
B184SHL PLTD 6"	58	C	10	**610.50**	51823
B185SHR GRN 8"	82	B	10	**694.50**	51832
B185SHR PLTD 8"	82	B	10	**694.50**	51833
B185SHL GRN 8"	82	B	10	**694.50**	51842
B185SHL PLTD 8"	82	B	10	**694.50**	51843
B186SHR GRN 10"	103	B	10	**725.50**	51852
B186SHR PLTD 10"	103	B	10	**725.50**	51853
B186SHL GRN 10"	103	B	10	**725.50**	51862
B186SHL PLTD 10"	103	B	10	**725.50**	51863



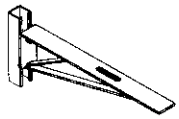
B187 thru B189
BRACKETS

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B187 GRN 9"	193	B	10	**1514.50**	51872
B187 PLTD 9"	193	B	10	**1514.50**	51873
B188 GRN 12"	241	C	4	**1602.10**	51882
B188 PLTD 12"	241	C	4	**1602.10**	51883
B189 GRN 15"	308	C	4	**1932.60**	51892
B189 PLTD 15"	308	C	4	**1932.60**	51893



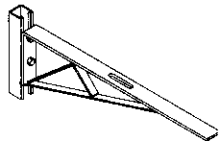
B190
12" BRACKET

B190 GRN	260	C	4	**2158.20**	51902
B190 PLTD	260	C	4	**2158.20**	51903



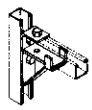
B191-18 & B191-24
BRACKETS

B191-18 GRN	414	C	4	**3266.10**	51914
B191-18 PLTD	414	C	4	**3266.10**	51916
B191-24 GRN	525	C	4	**3984.30**	51915
B191-24 PLTD	525	C	4	**3984.30**	51917



B192
24" BRACKET

B192 GRN	576	B	4	**4293.10**	51922
B192 PLTD	576	B	4	**4293.10**	51923



B194
BRACKET FOR B22 & B24

B194 GRN	210	B	10	**2117.50**	51932
B194 PLTD	210	B	10	**2117.50**	51933

B195
BRACKET FOR B42

B195 GRN	174	C	10	**2018.70**	51942
B195 PLTD	174	C	10	**2018.70**	51943

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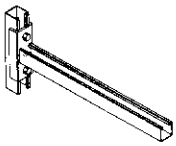
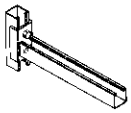
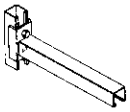
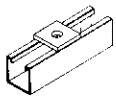
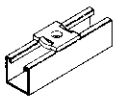
P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
 **B196 CHANNEL CLEVIS BRACKET**					
B196-18 GRN	430	B	4	**2186.60**	51952
B196-18 PLTD	430	B	4	**2186.60**	51954
B196-24 GRN	510	B	4	**2624.00**	51958
B196-24 PLTD	510	B	4	**2624.00**	51953
 **B198 CHANNEL CLEVIS BRACKET**					
B198-6 GRN	185	C	4	**1339.10**	51972
B198-6 PLTD	185	C	4	**1339.10**	51973
B198-12 GRN	284	B	4	**1754.50**	51982
B198-12 PLTD	284	B	4	**1754.50**	51983
 **B198A CHANNEL CLEVIS BRACKET**					
B198A-6 GRN	185	C	4	**1339.10**	51976
B198A-6 PLTD	185	C	4	**1339.10**	51977
B198A-12 GRN	284	C	4	**1852.10**	51986
B198A-12 PLTD	284	C	4	**1852.10**	51987
 **B200 thru B202-2 SQUARE WASHER**					
B200 GRN (5/16)	18	A	100	**83.30**	51992
B200 PLTD (5/16)	18	A	100	**83.30**	51993
B201 GRN (3/8)	18	A	100	**69.60**	52002
B201 PLTD (3/8)	18	A	100	**69.60**	52003
B202 GRN (1/2)	17	A	100	**69.60**	52012
B202 PLTD (1/2)	17	A	100	**69.60**	52013
B202-1 GRN (5/8)	16	B	100	**95.20**	57097
B202-1 PLTD (5/8)	16	B	100	**95.20**	57098
B202-2 GRN (3/4)	15	C	100	**131.00**	57105
B202-2 PLTD (3/4)	15	C	100	**131.00**	57107
 **B200D thru B202-2D NO TWIST SQUARE WASHER**					
B200D GRN (5/16)	18	B	100	**137.60**	57072
B200D PLTD (5/16)	18	B	100	**137.60**	57073
B201D GRN (3/8)	18	B	100	**120.50**	57082
B201D PLTD (3/8)	18	B	100	**120.50**	57083
B202D GRN (1/2)	17	B	100	**120.50**	57092
B202D PLTD (1/2)	17	B	100	**120.50**	57093
B202-1D GRN (5/8)	16	C	100	**158.30**	57102
B202-1D PLTD (5/8)	16	C	100	**158.30**	57103
B202-2D GRN (3/4)	15	C	100	**207.30**	57112
B202-2D PLTD (3/4)	15	C	100	**207.30**	57113

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B203 thru B206 CHANNEL END CAPS					
B203 GRN	6	C	100	**63.90**	52042
B203 PLTD	6	C	100	**63.90**	52043
B204 GRN	5	C	100	**63.90**	52052
B204 PLTD	5	C	100	**63.90**	52053
B205 GRN	10	A	100	**52.90**	52062
B205 PLTD	10	A	100	**52.90**	52063
B206 GRN	8	A	100	**54.40**	52092
B206 PLTD	8	A	100	**54.40**	52093
B210 BEAM CLAMP					
B210 PLTD	100	B	10	**867.60**	52133
B210A BEAM CLAMP					
B210A PLTD	60	B	10	**792.40**	52128
B211 ZEE BEAM CLAMP					
B211 PLTD	66	A	25	**750.60**	52143
B212-1/4 I-BEAM CLAMP					
B212-1/4 PLTD	41	B	25	**537.70**	52153
B212-3/8 I-BEAM CLAMP					
B212-3/8 PLTD	62	B	25	**570.30**	52163
B213 I-BEAM CLAMP					
B213 GRN	95	B	10	**1146.30**	52172
B213 PLTD	95	B	10	**1146.30**	52173

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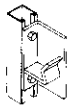
P.O.A. - Price on application.

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Pcs.)

B214
REEL RACK SUPPORT FOR 1 1/4" PIPE

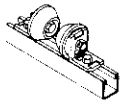


B214R GRN	200	C	10	**1598.70**	52182
B214R PLTD	200	C	10	**1598.70**	52183
B214L GRN	200	C	10	**1598.70**	52192
B214L PLTD	200	C	10	**1598.70**	52193

B215S B216S
CHANNEL HANGER SERIES

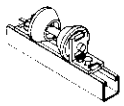
B215SC-3/8 (COND) PLTD	31	C	40	**471.10**	52194
B215SC-1/2 (COND) PLTD	31	C	40	**471.10**	52195
B215SR-3/8 (ATR) PLTD	31	C	40	**471.10**	52196
B215SR-1/2 (ATR) PLTD	31	C	40	**471.10**	52197
B216SC-3/8 (COND) PLTD	38	B	40	**414.50**	52204
B216SC-1/2 (COND) PLTD	38	B	40	**414.50**	52205
B216SR-3/8 (ATR) PLTD	38	B	40	**414.50**	52206
B216SR-1/2 (ATR) PLTD	38	B	40	**414.50**	52207

B218
PIPE ROLLER FOR 1/2" TO 12" PIPE



B218 PLTD (PAIR)	256	B	5	**2440.30**	52214

B219 (SERIES)
PIPE ROLLER FOR 3/4" TO 12" PIPE



B219 PLTD (PAIR)	253	B	5	**3081.00**	52223
B219-1 PLTD (PAIR)	258	C	5	**3217.20**	52233
B219-2 PLTD (PAIR)	263	B	5	**3080.40**	52243
B219-3 PLTD (PAIR)	269	C	5	**3285.40**	52253
B219-4 PLTD (PAIR)	274	C	5	**3314.10**	52256
B219-5 PLTD (PAIR)	279	C	5	**3345.50**	52259

B220 thru B223
CHANNEL END CAPS

B220 GRN	4	B	100	**62.70**	52262
B220 PLTD	4	B	100	**62.70**	52263
B221 GRN	15	C	25	**254.80**	52272
B221 PLTD	15	C	25	**254.80**	52273
B222 GRN	20	C	25	**361.80**	52282
B222 PLTD	20	C	25	**361.80**	52283
B223 GRN	10	C	100	**64.30**	52287
B223 PLTD	10	C	100	**64.30**	52288

B230
2-HOLE CORNER ANGLE

B230 GRN	37	A	25	**134.00**	52292
B230 PLTD	37	A	25	**134.00**	52293

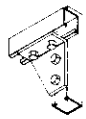
B231
2-HOLE NO TWIST CORNER ANGLE

B231 GRN	41	A	25	**220.50**	52302
B231 PLTD	41	A	25	**220.50**	52303

B232
3-HOLE CORNER ANGLE

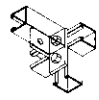
B232 GRN	56	B	25	**226.10**	52312
B232 PLTD	56	B	25	**226.10**	52313

B234
4-HOLE CORNER ANGLE



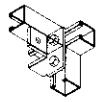
B234L GRN	100	C	20	**778.60**	52332
B234L PLTD	100	C	20	**778.60**	52333
B234R GRN	100	C	20	**778.60**	52322
B234R PLTD	100	C	20	**778.60**	52323

B235
3-HOLE OFFSET BENT ANGLE



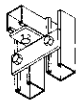
B235L GRN	53	C	25	**659.00**	52352
B235L PLTD	53	C	25	**659.00**	52353
B235R GRN	53	C	25	**659.00**	52342
B235R PLTD	53	C	25	**659.00**	52343

B236
3-HOLE OFFSET BENT ANGLE



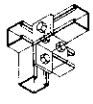
B236L GRN	65	C	25	**480.70**	52372
B236L PLTD	65	C	25	**480.70**	52373
B236R GRN	65	C	25	**480.70**	52362
B236R PLTD	65	C	25	**480.70**	52363

B237
3-HOLE OFFSET BENT TEE



B237 GRN	71	C	25	**681.50**	52378
B237 PLTD	71	C	25	**681.50**	52379

B238
4-HOLE OFFSET BENT TEE



B238L GRN	76	C	20	**593.80**	52392
B238L PLTD	76	C	20	**593.80**	52393
B238R GRN	76	C	20	**593.80**	52382
B238R PLTD	76	C	20	**593.80**	52383

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STRUT FITTINGS

B-Line

Shipment Schedule Shown in Shaded Box

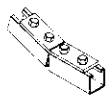
(Priced Per 100 Pcs.)

B239
5-HOLE OFFSET BENT TEE

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B239 GRN	96	C	25	**988.30**	52396
B239 PLTD	96	C	25	**988.30**	52397

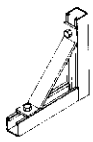
B241S (SERIES)
CHANNEL HANGER

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B241SC-3/8 (COND) PLTD	47	C	40	**654.00**	52404
B241SC-1/2 (COND) PLTD	47	C	40	**654.00**	52405
B241SR-3/8 (ATR) PLTD	47	C	40	**654.00**	52406
B241SR-1/2 (ATR) PLTD	47	C	40	**654.00**	52407



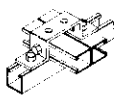
B243 thru B253
4-HOLE OPEN ANGLE FITTING

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B243 GRN (7 1/2 °)	77	C	25	**514.40**	52412
B243 PLTD (7 1/2 °)	77	C	25	**514.40**	52413
B244 GRN (15°)	77	C	25	**514.40**	52422
B244 PLTD (15°)	77	C	25	**514.40**	52423
B245 GRN (22 1/2 °)	77	C	25	**514.40**	52432
B245 PLTD (22 1/2 °)	77	C	25	**514.40**	52433
B246 GRN (30 °)	77	C	25	**514.40**	52442
B246 PLTD (30 °)	77	C	25	**514.40**	52443
B247GRN (37 1/2 °)	77	C	25	**514.40**	52452
B247PLTD (37 1/2 °)	77	C	25	**514.40**	52453
B248 GRN (45 °)	77	C	25	**514.40**	52462
B248 PLTD (45 °)	77	C	25	**514.40**	52463
B249 GRN (52 1/2 °)	77	C	25	**514.40**	52472
B249 PLTD (52 1/2 °)	77	C	25	**514.40**	52473
B250 GRN (60 °)	77	C	25	**514.40**	52482
B250 PLTD (60 °)	77	C	25	**514.40**	52483
B251 GRN (67 1/2 °)	77	C	25	**514.40**	52492
B251 PLTD (67 1/2 °)	77	C	25	**514.40**	52493
B252 GRN (75 °)	77	C	25	**514.40**	52502
B252 PLTD (75 °)	77	C	25	**514.40**	52503
B253 GRN (82 1/2 °)	77	C	25	**514.40**	52512
B253 PLTD (82 1/2 °)	77	C	25	**514.40**	52513



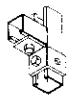
B261
2-HOLE 45° KNEE BRACE

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B261-12 GRN	170	B	1	**817.10**	52522
B261-12 PLTD	170	B	1	**817.10**	52523
B261-16 GRN	230	B	1	**865.90**	52532
B261-16 PLTD	230	B	1	**865.90**	52533
B261-18 GRN	238	B	1	**1017.80**	52534
B261-18 PLTD	238	B	1	**1017.80**	52535



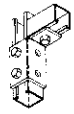
B266
6-H "U" SUPPORT

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B266 GRN	105	C	10	**1074.30**	52538
B266 PLTD	105	C	10	**1074.30**	52539



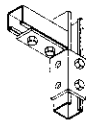
B267
3-HOLE SINGLE CORNER CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B267R GRN	54	C	10	**788.00**	52542
B267R PLTD	54	C	10	**788.00**	52543
B267L GRN	54	C	10	**788.00**	52552
B267L PLTD	54	C	10	**788.00**	52553



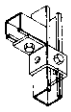
B268
5-HOLE SINGLE CORNER CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B268R GRN	100	C	10	**719.40**	52562
B268R PLTD	100	C	10	**719.40**	52563
B268L GRN	100	C	10	**719.40**	52572
B268L PLTD	100	C	10	**719.40**	52573



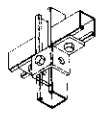
B269
6-HOLE SINGLE CORNER CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B269R GRN	120	C	10	**1021.80**	52582
B269R PLTD	120	C	10	**1021.80**	52583
B269L GRN	120	C	10	**1021.80**	52592
B269L PLTD	120	C	10	**1021.80**	52593



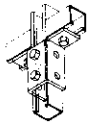
B270
4-HOLE SINGLE CORNER CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B270R GRN	77	C	10	**999.70**	52602
B270R PLTD	77	C	10	**999.70**	52603
B270L GRN	77	C	10	**999.70**	52612
B270L PLTD	77	C	10	**999.70**	52613



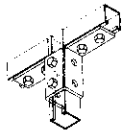
B271
5-HOLE DOUBLE WING CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B271 GRN	95	B	10	**986.40**	52622
B271 PLTD	95	B	10	**986.40**	52623



B272
8-HOLE DOUBLE WING CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B272 GRN	156	B	10	**1133.10**	52632
B272 PLTD	156	B	10	**1133.10**	52633



B273
10-HOLE DOUBLE WING CONNECTION

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B273 GRN	185	B	10	**1920.10**	52638
B273 PLTD	185	B	10	**1920.10**	52639

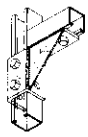
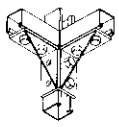
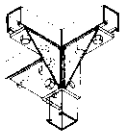
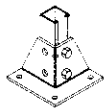
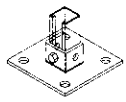
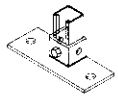
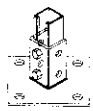
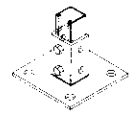
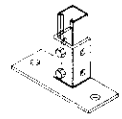
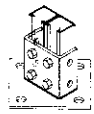
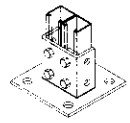
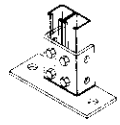
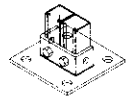
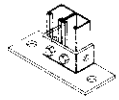
A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B274 8-HOLE SINGLE CORNER GUSSETTED CONNECTION					
B274R GRN	176	C	10	**1952.80**	52642
B274R PLTD	176	C	10	**1952.80**	52643
B274L GRN	176	C	10	**1952.80**	52652
B274L PLTD	176	C	10	**1952.80**	52653
B276 8-HOLE DOUBLE CORNER GUSSETTED CONNECTION					
B276 GRN	196	B	5	**2476.60**	52662
B276 PLTD	196	B	5	**2476.60**	52663
B277 12-HOLE TRIPLE WING GUSSETTED CONNECTION					
B277 GRN	285	B	5	**4048.70**	52668
B277 PLTD	285	B	5	**4048.70**	52669
B278 POST BASE FOR B22 SERIES					
B278 GRN	288	B	5	**1971.40**	52672
B278 PLTD	288	B	5	**1971.40**	52673
B279 POST BASE FOR B22 SERIES					
B279 GRN	314	B	10	**2087.30**	52682
B279 PLTD	314	B	10	**2087.30**	52683
B279SQ POST BASE FOR B22 SERIES					
B279SQ GRN	314	B	10	**2084.90**	57132
B279SQ PLTD	314	B	10	**2084.90**	57133
B279FL POST BASE FOR B22 SERIES					
B279FL GRN	230	B	10	**1755.90**	57122
B279FL PLTD	230	B	10	**1755.90**	57123
B280 POST BASE FOR B22 SERIES					
B280 GRN	392	A	5	**2023.50**	52692
B280 PLTD	392	A	5	**2023.50**	52693
B280SQ POST BASE FOR B22 SERIES					
B280SQ GRN	392	A	5	**1981.40**	57152
B280SQ PLTD	392	A	5	**1981.40**	57153
B280FL POST BASE FOR B22 SERIES					
B280FL GRN	312	A	5	**1810.70**	57142
B280FL PLTD	312	A	5	**1810.70**	57143
B281 POST BASE FOR B22 DOUBLE CHANNEL SERIES					
B281 GRN	400	B	5	**2982.80**	52702
B281 PLTD	400	B	5	**2982.80**	52703
B281SQ POST BASE FOR B22 DOUBLE CHANNEL SERIES					
B281SQ GRN	400	B	5	**2980.20**	57172
B281SQ PLTD	400	B	5	**2980.20**	57173
B281FL POST BASE FOR B22 DOUBLE CHANNEL SERIES					
B281FL GRN	320	B	5	**3058.20**	57162
B281FL PLTD	320	B	5	**3058.20**	57163
B281A POST BASE FOR B22 DOUBLE CHANNEL SERIES					
B281A GRN	330	C	5	**2425.00**	52712
B281A PLTD	330	C	5	**2425.00**	52713
B281ASQ POST BASE FOR B22 DOUBLE CHANNEL SERIES					
B281ASQ GRN	330	B	5	**2586.20**	57202
B281ASQ PLTD	330	B	5	**2586.20**	57203
B281AFL POST BASE FOR B22 DOUBLE CHANNEL SERIES					
B281AFL GRN	250	C	5	**2356.30**	57182
B281AFL PLTD	250	C	5	**2356.30**	57183

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
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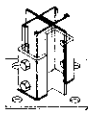
P.O.A. - Price on application.

STRUT FITTINGS

B-Line

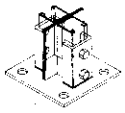
Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)



B281M
POST BASE FOR B22-2PL

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B281M GRN	470	C	5	**3480.90**	52722
B281M PLTD	470	C	5	**3480.90**	52723

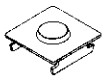


B281MSQ
POST BASE FOR B22-2PL

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B281MSQ GRN	470	C	5	**3510.50**	57192
B281MSQ PLTD	470	C	5	**3510.50**	57193

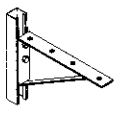
B283 thru B286
2-PIECE CHANNEL END CAP

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B283 GRN	6	C	100	**176.30**	52732
B283 PLTD	6	C	100	**176.30**	52733
B284 GRN	6	C	100	**176.30**	52742
B284 PLTD	6	C	100	**176.30**	52743
B285 GRN	13	B	100	**187.80**	52752
B285 PLTD	13	B	100	**187.80**	52753
B286 GRN	14	C	100	**219.30**	52762
B286 PLTD	14	C	100	**219.30**	52763



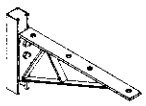
B287 & B288
CHANNEL END CAP

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B287 GRN	13	C	100	**257.40**	52772
B287 PLTD	13	C	100	**257.40**	52773
B288 GRN	14	C	100	**258.80**	52782
B288 PLTD	14	C	100	**258.80**	52783



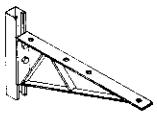
B289-12 & 14
12 1/2" & 14 1/2" BRACKETS

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B289-12 GRN	285	B	15	**2169.80**	52792
B289-12 PLTD	285	B	15	**2169.80**	52793
B289-14 GRN	295	C	15	**2856.80**	52802
B289-14 PLTD	295	C	15	**2856.80**	52803



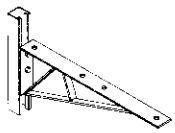
B290
16 1/2" BRACKET

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B290 GRN	405	B	15	**3465.40**	52812
B290 PLTD	405	B	15	**3465.40**	52813



B291
18 1/2" BRACKET

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B291 GRN	468	C	20	**3626.30**	52822
B291 PLTD	468	C	20	**3626.30**	52823

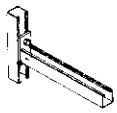


B292
20 1/2" BRACKET

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B292 GRN	490	C	20	**3782.80**	52832
B292 PLTD	490	C	20	**3782.80**	52833

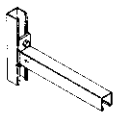
B293PL
BRACKET PLATE ONLY

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B293PL GRN	46	C	25	**598.30**	52839
B293PL PLTD	46	C	25	**598.30**	52840



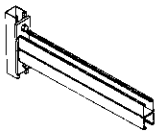
B293 (SERIES)
CHANNEL BRACKET (SLOT UP)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B293-6 GRN	144	B	10	**1150.10**	52842
B293-6 PLTD	144	B	10	**1150.10**	52843
B293-12 GRN	252	B	5	**1420.90**	52862
B293-12 PLTD	252	B	5	**1420.90**	52863
B293-18 GRN	340	B	5	**1848.80**	52882
B293-18 PLTD	340	B	5	**1848.80**	52883
B293-24 GRN	412	B	5	**2467.10**	52902
B293-24 PLTD	412	B	5	**2467.10**	52903



B293A (SERIES)
CHANNEL BRACKET (SLOT DOWN)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B293A-6 GRN	144	C	10	**1213.90**	52852
B293A-6 PLTD	144	C	10	**1213.90**	52853
B293A-12 GRN	252	C	5	**1642.90**	52872
B293A-12 PLTD	252	C	5	**1642.90**	52873
B293A-18 GRN	340	C	5	**2158.10**	52892
B293A-18 PLTD	340	C	5	**2158.10**	52893
B293A-24 GRN	412	B	5	**2490.30**	52912
B293A-24 PLTD	412	B	5	**2490.30**	52913



B297 (SERIES)
DOUBLE CHANNEL BRACKET

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B297-12 GRN	485	B	10	**3344.40**	52922
B297-12 PLTD	485	B	10	**3344.40**	52923
B297-18 GRN	668	A	10	**3880.20**	52932
B297-18 PLTD	668	A	10	**3880.20**	52933
B297-24 GRN	857	A	10	**4562.60**	52942
B297-24 PLTD	857	A	10	**4562.60**	52943
B297-30 GRN	1,040	B	10	**5423.70**	52952
B297-30 PLTD	1,040	B	10	**5423.70**	52953
B297-36 GRN	1,240	B	10	**6186.80**	52962
B297-36 PLTD	1,240	B	10	**6186.80**	52963

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
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Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B303 thru B309 BEAM CLAMP					
B303 PLTD	72	B	10	**821.50**	52973
B304 PLTD	72	C	10	**867.20**	52983
B305 PLTD	72	A	10	**786.50**	52993
B306 PLTD	97	B	10	**1025.30**	53003
B307 PLTD	97	A	10	**981.70**	53013
B308 PLTD	133	B	10	**1132.80**	53023
B309 PLTD	133	B	10	**1143.10**	53033
B312 (SERIES) BEAM CLAMP ANCHOR STRAP					
B312-6 PLTD	22	B	50	**254.50**	53043
B312-9 PLTD	30	B	50	**256.10**	53053
B312-12 PLTD	40	B	50	**257.60**	53063
B312-15 PLTD	49	C	25	**274.00**	53068
B314 BEAM CLAMP FOR 1 5/8" CHANNEL					
B314 PLTD	105	A	25	**476.60**	53073
B318 thru B320 BEAM CLAMP ASSEMBLY					
B318 GRN	325	C	5	**3261.70**	53082
B318 PLTD	325	C	5	**3261.70**	53083
B319 GRN	340	C	5	**3364.70**	53092
B319 PLTD	340	C	5	**3364.70**	53093
B320 GRN	357	B	5	**3291.50**	53102
B320 PLTD	357	B	5	**3291.50**	53103
B321 (SERIES) BEAM CLAMP					
B321-1 PLTD	187	A	10	**1717.20**	53113
B321-2 PLTD	186	A	10	**1553.80**	53123
B321-3 PLTD	185	B	10	**2246.10**	53133
B321-4 PLTD 3/4 MIN. FLANGE	239	C	10	**2812.60**	53143
B321-5 PLTD 3/4 MIN. FLANGE	238	C	10	**2812.60**	53153
B322 thru B332 2-HOLE OPEN SHORT ANGLE FITTING					
B322 GRN (7 1/2 °)	35	C	50	**399.90**	53162
B322 PLTD (7 1/2 °)	35	C	50	**399.90**	53163
B323 GRN (15 °)	35	C	50	**399.90**	53172
B323 PLTD (15 °)	35	C	50	**399.90**	53173
B324 GRN (22 1/2 °)	35	C	50	**399.90**	53182
B324 PLTD (22 1/2 °)	35	C	50	**399.90**	53183
B325 GRN (30 °)	35	C	50	**399.90**	53192
B325 PLTD (30 °)	35	C	50	**399.90**	53193
B326 GRN (37 1/2 °)	35	C	50	**399.90**	54202
B326 PLTD (37 1/2 °)	35	C	50	**399.90**	54203
B327 GRN (45 °)	35	C	50	**399.90**	53212
B327 PLTD (45 °)	35	C	50	**399.90**	53213
B328 GRN (52 1/2 °)	35	C	50	**399.90**	53222
B328 PLTD (52 1/2 °)	35	C	50	**399.90**	53223
B329 GRN (60 °)	35	C	50	**399.90**	53232
B329 PLTD (60 °)	35	C	50	**399.90**	53233
B330 GRN (67 1/2 °)	35	C	50	**399.90**	53242
B330 PLTD (67 1/2 °)	35	C	50	**399.90**	53243
B331 GRN (75 °)	35	C	50	**399.90**	53252
B331 PLTD (75 °)	35	C	50	**399.90**	53253
B332 GRN (82 1/2 °)	35	C	50	**399.90**	53262
B332 PLTD (82 1/2 °)	35	C	50	**399.90**	53263
B333-1thru B333-3 SLOTTED 3-HOLE "U" SUPPORT FOR B22					
B333-1 GRN	103	C	10	**866.60**	53272
B333-1 PLTD	103	C	10	**866.60**	53273
B333-2 GRN	115	C	10	**969.70**	53282
B333-2 PLTD	115	C	10	**969.70**	53283
B333-3 GRN	135	B	10	**1001.20**	53292
B333-3 PLTD	135	B	10	**1001.20**	53293
B334 7-HOLE CROSS GUSSET PLATE					
B334 GRN	232	B	10	**2004.80**	53296
B334 PLTD	232	B	10	**2004.80**	53297
B335, B335-1 & B335-2 ADJUSTABLE HINGE CONNECTIONS					
B335 GRN	110	B	15	**1562.70**	57212
B335 PLTD	110	B	15	**1562.70**	57213
B335-1 GRN	78	B	15	**1210.60**	57222
B335-1 PLTD	78	B	15	**1210.60**	57223
B335-2-3/8 PLTD	94	B	15	**1734.50**	01124
B335-2-1/2 GRN	94	A	15	**1473.10**	57224
B335-2-1/2 PLTD	94	A	15	**1473.10**	57225
B335-2-5/8 PLTD	94	B	15	**1734.50**	01126
B335-2-3/4 PLTD	94	B	15	**1734.50**	01128
B337 3-HOLE TEE GUSSET PLATE					
B337 GRN	70	C	25	**629.80**	53302
B337 PLTD	70	C	25	**629.80**	53303

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P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B339 6-HOLE TEE GUSSET PLATE					
B339 GRN	149	C	10	**1261.50**	53306
B339 PLTD	149	C	10	**1261.50**	53307
B340 2-HOLE SPLICE PLATE					
B340 GRN	34	B	50	**224.70**	53312
B340 PLTD	34	B	50	**224.70**	53313
B341 4-HOLE SPLICE PLATE					
B341 GRN	76	B	25	**294.80**	53322
B341 PLTD	76	B	25	**294.80**	53323
B342 5-HOLE SPLICE PLATE					
B342 GRN	96	B	25	**526.30**	53324
B342 PLTD	96	B	25	**526.30**	53325
B346 L & R 8-HOLE DOUBLE CORNER GUSSETTED CONNECTION					
B346L GRN	242	C	5	**3136.70**	53326
B346L PLTD	242	C	5	**3136.70**	53327
B346R GRN	242	C	5	**3136.70**	53328
B346R PLTD	242	C	5	**3136.70**	53329
B349 TROLLEY BEAM SUPPORT					
B349 GRN	107	B	25	**950.10**	53332
B349 PLTD	107	B	25	**950.10**	53333
B350 TROLLEY BEAM JOINT SUPPORT					
B350 GRN	233	C	15	**1465.50**	53342
B350 PLTD	233	C	15	**1465.50**	53343
B351 STEEL "C" CLAMP					
B351-3/8 PLTD	40	A	50	**252.00**	53353
B351-1/2 PLTD	40	A	50	**278.20**	53363
B351-5/8 PLTD	58	A	25	**467.40**	53373
B351-3/4 PLTD	66	B	25	**716.30**	53383
B351-7/8 PLTD	178	B	25	**2304.00**	57233
B351L STEEL "C" CLAMP WITH LOCKNUT					
B351L-3/8 PLTD	41	A	50	**347.40**	57243
B351L-1/2 PLTD	41	A	50	**364.00**	57253
B351L-5/8 PLTD	60	B	25	**675.80**	57263
B351L-3/4 PLTD	71	B	25	**922.60**	57273
B351L-7/8 PLTD	184	B	25	**2809.50**	57283
B355 BEAM CLAMP					
B355 GRN	30	A	50	**210.10**	53402
B355 PLTD	30	A	50	**210.10**	53403
B356 PIPE BLOCK FOR 2" TO 8" PIPE					
B356 GRN	42	C	25	**379.60**	53412
B356 PLTD	42	C	25	**379.60**	53413
B357 4-HOLE OFFSET BENT TEE					
B357 GRN	77	C	25	**572.70**	53422
B357 PLTD	77	C	25	**572.70**	53423
B358 (SERIES) 2-HOLE CLEVIS					
B358-4 GRN	89	C	25	**508.40**	53442
B358-4 PLTD	89	C	25	**508.40**	53443
B358-5 GRN	93	C	25	**554.80**	53432
B358-5 PLTD	93	C	25	**554.80**	53433
B358-6 GRN	106	C	20	**610.90**	53472
B358-6 PLTD	106	C	20	**610.90**	53473
B358-7 GRN	118	C	10	**666.40**	53462
B358-7 PLTD	118	C	10	**666.40**	53463
B358-8 GRN	132	C	10	**700.70**	53452
B358-8 PLTD	132	C	10	**700.70**	53453
B359 thru B361 2-HOLE CORNER ANGLE					
B359 GRN	48	C	25	**348.70**	53482
B359 PLTD	48	C	25	**348.70**	53483
B360 GRN	53	C	25	**382.00**	53492
B360 PLTD	53	C	25	**382.00**	53493
B361 GRN	60	C	25	**397.00**	53502
B361 PLTD	60	C	25	**397.00**	53503

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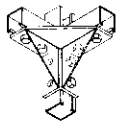
P.O.A. - Price on application.

Discount Schedule Shown in Shaded Box

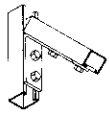
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Pcs.)



B362
8-HOLE DOUBLE CORNER GUSSETTED CONNECTION

B362 GRN	226	B	5	**2802.10**	53508
B362 PLTD	226	B	5	**2802.10**	53509



B363 thru B369
4-HOLE CLOSED ANGLE

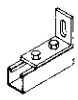
B363 GRN (82 1/2 °)	95	C	25	**704.30**	53514
B363 PLTD (82 1/2 °)	95	C	25	**704.30**	53515
B364 GRN (75 °)	95	C	25	**704.30**	53516
B364 PLTD (75 °)	95	C	25	**704.30**	53517
B365 GRN (67 1/2 °)	95	C	25	**704.30**	53518
B365 PLTD (67 1/2 °)	95	C	25	**704.30**	53519
B366 GRN (60 °)	95	C	25	**704.30**	53520
B366 PLTD (60 °)	95	C	25	**704.30**	53521
B367 GRN (52 1/2 °)	95	C	25	**704.30**	53524
B367 PLTD (52 1/2 °)	95	C	25	**704.30**	53525
B368 GRN (45 °)	95	C	25	**704.30**	53526
B368 PLTD (45 °)	95	C	25	**704.30**	53527
B369 GRN (37 1/2 °)	95	C	25	**704.30**	53530
B369 PLTD (37 1/2 °)	95	C	25	**704.30**	53531

B370
CHANNEL BRACKET FOR B22A OR B11

B370 GRN	266	B	10	**2797.70**	53512
B370 PLTD	266	B	10	**2797.70**	53513

B371
2-HOLE ADJUSTABLE CORNER ANGLE

B371 GRN	41	B	25	**397.90**	53522
B371 PLTD	41	B	25	**397.90**	53523

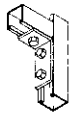


B371-2
3-HOLE ADJUSTABLE CORNER ANGLE

B371-2 GRN	61	B	25	**479.20**	53528
B371-2 PLTD	61	B	25	**479.20**	53529

B372
2-HOLE ADJUSTABLE CORNER ANGLE

B372 GRN	38	B	25	**355.90**	53532
B372 PLTD	38	B	25	**355.90**	53533



B374
3-HOLE CORNER ANGLE

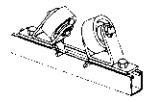
B374 GRN	56	B	50	**290.90**	53662
B374 PLTD	56	B	50	**290.90**	53663

B376
4-BEARING TROLLEY ASSEMBLY

B376 PLTD	110	A	10	**3371.30**	53673

B377
2-BEARING TROLLEY ASSEMBLY

B377 PLTD	48	B	25	**2339.90**	53683

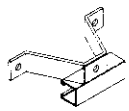


B379
PIPE ROLLER FOR 6" TO 18" PIPE

B379 PLTD (PAIR)	558	B	5	**5958.30**	53703

B380 (SERIES)
JOINT SPLICE PLATE
(FOR CONTINUOUS CONCRETE INSERTS)

B380-22 PLTD	11	D	50	**161.30**	53713
B380-32 PLTD	10	D	50	**164.20**	53724
B380-42 PLTD	9	D	50	**164.20**	53730
B380-52 PLTD	7	D	100	**161.30**	53739



B381 thru B385
WALL LADDER BRACKETS

B381 GRN	110	C	10	**793.30**	53742
B381 PLTD	110	C	10	**793.30**	53743
B382 GRN	164	C	10	**1094.70**	53752
B382 PLTD	164	C	10	**1094.70**	53753
B383 GRN	200	B	10	**1352.70**	53762
B383 PLTD	200	B	10	**1352.70**	53763
B384 GRN	253	C	10	**1513.30**	53772
B384 PLTD	253	C	10	**1513.30**	53773
B385 GRN	318	C	10	**1726.30**	53782
B385 PLTD	318	C	10	**1726.30**	53783

B386 (SERIES)
SUSPENSION ROD PIPE STRAP

B386-3/4 PLTD	46	C	1	**1817.20**	53788
B386-1 PLTD	51	C	1	**1862.90**	53790
B386-1 1/4 PLTD	52	C	1	**2280.40**	53796
B386-1 1/2 PLTD	54	C	1	**2336.30**	53798
B386-2 PLTD	134	C	1	**2463.60**	53800
B386-2 1/2 PLTD	157	C	1	**2571.20**	53802
B386-3 PLTD	168	C	1	**2816.60**	53804
B368-3 1/2 PLTD	197	C	1	**3649.50**	53806
B386-4 PLTD	270	C	1	**3772.90**	53808
B386-5 PLTD	308	C	1	**4292.70**	53810
B386-6 PLTD	609	C	1	**6609.30**	53816
B386-8 PLTD	713	C	1	**7738.10**	53818

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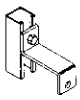
STRUT FITTINGS

B-Line

Dimension Schedule Shown in Shaded Box

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Pcs.)

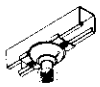


B387 (SERIES)
2-HOLE "Z" BUS DUCT CONNECTION

B387 GRN	89	C	25	**637.20**	53784
B387 PLTD	89	C	25	**637.20**	53785
B387-1 GRN	78	C	25	**584.10**	53792
B387-1 PLTD	78	C	25	**584.10**	53793
B387-2 GRN	62	C	25	**530.40**	53812
B387-2 PLTD	62	C	25	**530.20**	53813

B390BX
360° SWIVEL BOX CONNECTOR

B390BX PLTD	55	A	10	**1363.60**	53823



B390S
360° SWIVEL CHANNEL CONNECTOR

B390S PLTD	71	A	10	**1948.60**	53833

B392 (SERIES)
CONNECTION END CAP

B392-11-1/2 GRN	36	C	50	**447.70**	53846
B392-11-1/2 PLTD	36	C	50	**447.70**	53847
B392-11-3/4 GRN	33	C	50	**447.70**	53844
B392-11-3/4 PLTD	33	C	50	**447.70**	53845
B392-11-1 GRN	32	D	50	**796.90**	53854
B392-11-1 PLTD	32	D	50	**796.90**	53853
B392-12-1/2 GRN	27	C	50	**412.60**	53862
B392-12-1/2 PLTD	27	C	50	**412.60**	53863
B392-12-3/4 GRN	26	C	50	**412.60**	53867
B392-12-3/4 PLTD	26	C	50	**412.60**	53868
B392-12-1 GRN	23	C	50	**697.30**	53872
B392-12-1 PLTD	23	C	50	**697.30**	53873
B392-22-1/2 GRN	21	C	50	**393.40**	53882
B392-22-1/2 PLTD	21	C	50	**393.40**	53883
B392-22-3/4 GRN	20	C	50	**393.40**	53887
B392-22-3/4 PLTD	20	C	50	**393.40**	53888
B392-22-1 GRN	17	C	50	**666.40**	53892
B392-22-1 PLTD	17	C	50	**666.40**	53893
B392-32-1/2 GRN	20	C	50	**393.40**	53902
B392-32-1/2 PLTD	20	C	50	**393.40**	53903
B392-32-3/4 GRN	19	C	50	**393.40**	53908
B392-32-3/4 PLTD	19	C	50	**393.40**	53909

B393-1
WIRING STUD

B393-1 AL	6	B	100	**504.80**	53914

B394 (SERIES)
PIPE STRAP

B394-3/4 PLTD	71	C	25	**1261.80**	53933
B394-1 PLTD	76	C	25	**1333.30**	53943
B394-1-1/4 PLTD	77	C	25	**1349.90**	53953
B394-1-1/2 PLTD	79	C	25	**1435.40**	53963
B394-2 PLTD	166	C	25	**1555.60**	53973
B394-2-1/2 PLTD	179	C	25	**1647.40**	53983
B394-3 PLTD	190	D	10	**1946.60**	53993
B394-3-1/2 PLTD	203	D	10	**2039.20**	54003
B394-4 PLTD	320	C	10	**2318.80**	54013
B394-5 PLTD	353	C	10	**2905.80**	54023
B394-6 PLTD	637	C	10	**3169.60**	54033
B394-8 PLTD	837	C	10	**4401.90**	54043

B398 & B398-1
3-HOLE CUP SUPPORT

B398 GRN	88	C	20	**885.20**	54072
B398 PLTD	88	C	20	**885.20**	54073
B398-1 GRN	73	C	20	**542.20**	54822
B398-1 PLTD	73	C	20	**542.20**	54823

B405
SUSPENSION MEMBER

B405 GRN	75	C	25	**843.90**	54842
B405 PLTD	75	C	25	**843.90**	54843

B405A
SUSPENSION MEMBER WITH BEAM CLAMP

B405A GRN	183	C	15	**2112.90**	54852
B405A PLTD	183	C	15	**2112.90**	54853

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Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

B407 (SERIES)
2-HOLE ZEE SUPPORT

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B407-4R GRN	77	C	25	**469.80**	54862
B407-4R PLTD	77	C	25	**469.80**	54863
B407-5R GRN	95	C	25	**516.20**	54872
B407-5R PLTD	95	C	25	**516.20**	54873
B407-6 GRN	98	C	25	**592.30**	54882
B407-6 PLTD	98	C	25	**592.30**	54883
B407-7 GRN	105	C	25	**644.60**	54892
B407-7 PLTD	105	C	25	**644.60**	54893
B407-8 GRN	120	C	25	**684.20**	54902
B407-8 PLTD	120	C	25	**684.20**	54903

B408 (SERIES)
2-HOLE BUS DUCT CLEVIS

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B408-1 GRN	58	C	25	**477.80**	54912
B408-1 PLTD	58	C	25	**477.80**	54913
B408-2 GRN	76	C	25	**539.00**	54922
B408-2 PLTD	76	C	25	**539.00**	54923
B408-3 GRN	88	C	25	**656.60**	54932
B408-3 PLTD	88	C	25	**656.60**	54933

B409 (SERIES)
SINGLE CHANNEL BRACKET

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B409-6 GRN	152	B	10	**1401.10**	54952
B409-6 PLTD	152	B	10	**1401.10**	54953
B409-9 GRN	195	B	10	**1635.30**	54937
B409-9 PLTD	195	B	10	**1635.30**	54938
B409-12 GRN	232	B	10	**1673.70**	54940
B409-12 PLTD	232	B	10	**1673.70**	54939
B409-14 GRN	274	B	10	**1784.40**	54942
B409-14 PLTD	274	B	10	**1784.40**	54943
B409-18 GRN	347	B	10	**2287.00**	02850
B409-18 PLTD	347	B	10	**2287.00**	02851
B409-24 GRN	450	B	10	**2475.40**	02852
B409-24 PLTD	450	B	10	**2475.40**	02853

B410-11
CHANNEL HANGER BRACKET FOR B11

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B410-11 GRN	13.4	C	100	**409.20**	54960
B410-11 PLTD	13.4	C	100	**409.20**	54961

B410-12
CHANNEL HANGER BRACKET FOR B12

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B410-12 GRN	11.2	C	100	**374.70**	54964
B410-12 PLTD	11.2	C	100	**374.70**	54965

B410-22
CHANNEL HANGER BRACKET FOR B22

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B410-22 GRN	9	C	100	**266.20**	54958
B410-22 PLTD	9	C	100	**266.20**	54959

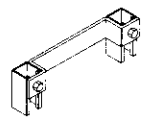
B410-32
CHANNEL HANGER BRACKET FOR B32

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B410-32 GRN	8.3	D	100	**273.40**	54966
B410-32 PLTD	8.3	D	100	**273.40**	54967

B410-52
CHANNEL HANGER BRACKET FOR B52

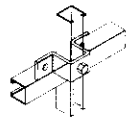
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B410-52 GRN	6.7	C	100	**256.60**	54968
B410-52 PLTD	6.7	C	100	**256.60**	54969

B411 (SERIES)
LADDER RUNG



CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B411-12 GRN	176	C	10	**1120.20**	54962
B411-12 PLTD	176	C	10	**1120.20**	54963
B411-15 GRN	202	C	10	**1146.80**	54972
B411-15 PLTD	202	C	10	**1146.80**	54973
B411-18 GRN	234	C	10	**1331.30**	54982
B411-18 PLTD	234	C	10	**1331.30**	54983

B412
3-HOLE OFFSET "U" SUPPORT



CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B412 GRN	89	C	20	**784.40**	54988
B412 PLTD	89	C	20	**784.40**	54989

B420-378
1-HOLE CORNER ANGLE

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B420-378 GRN	60	C	50	**391.00**	54995
B420-378 PLTD	60	C	50	**391.00**	54996

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P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown In Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B420-578 1-HOLE CORNER ANGLE					
B420-578 GRN	85	C	50	**486.30**	54997
B420-578 PLTD	85	C	50	**486.30**	54998
B420-778 1-HOLE CORNER ANGLE					
B420-778 GRN	107	C	25	**602.10**	54999
B420-778 PLTD	107	C	25	**602.10**	55000
B420-978 1-HOLE CORNER ANGLE					
B420-978 GRN	129	C	25	**708.70**	55001
B420-978 PLTD	129	C	25	**708.70**	55002
B422 (SERIES) RIGHT ANGLE CLAMP					
B422-1/2 PLTD	38	B	25	**192.80**	55003
B422-3/4 PLTD	39	A	25	**193.10**	55013
B422-1 PLTD	48	A	25	**210.10**	55023
B422-1 1/4 PLTD	50	B	25	**249.30**	55033
B422-1 1/2 PLTD	59	B	20	**286.10**	55043
B422-2 PLTD	75	A	20	**389.50**	55053
B422-2 1/2 PLTD	98	B	20	**605.20**	55063
B422-3 PLTD	111	B	15	**696.20**	55073
B422-3 1/2 PLTD	123	B	10	**858.00**	55083
B422-4 PLTD	135	B	10	**882.70**	55093
B425 6-HOLE "U" SUPPORT					
B425 GRN	167	C	10	**1839.90**	55098
B425 PLTD	167	C	10	**1839.90**	55099
B427 BEAM CLAMP					
B427 PLTD	92	B	25	**747.20**	55103
B428 8-HOLE GUSSETTED CORNER CONNECTION					
B428 GRN	203	C	5	**2040.40**	55107
B428 PLTD	203	C	5	**2040.40**	55108
B432 4-HOLE TEE GUSSET PLATE					
B432 GRN	100	C	20	**1010.80**	55109
B432 PLTD	100	C	20	**1010.80**	55110
B435 BEAM CLAMP					
B435 PLTD	82	B	10	**663.20**	55113
B436 FLUORESCENT FIXTURE NUT					
B436 PLTD	2	C	100	**73.70**	55123
B436S FLUORESCENT FIXTURE STUD NUT					
B436S PLTD	4	B	100	**98.30**	55133
B437 (SERIES) 2-PIECE PIPE STRAP					
B437-1/2 PLTD (PAIR)	22	C	50	**449.50**	55138
B437-3/4 PLTD (PAIR)	26	C	50	**472.50**	55140
B437-1 PLTD (PAIR)	30	C	50	**474.70**	55143
B437-1 1/4 PLTD (PAIR)	35	D	35	**504.00**	55153
B437-1 1/2 PLTD (PAIR)	38	C	30	**497.20**	55163
B437-2 PLTD (PAIR)	91	C	15	**781.20**	55173
B437-2 1/2 PLTD (PAIR)	104	D	20	**873.90**	55183
B437-3 PLTD (PAIR)	130	C	10	**915.60**	55193
B437-3 1/2 PLTD (PAIR)	149	C	10	**976.70**	55203
B437-4 PLTD (PAIR)	158	C	10	**1037.60**	55213
B437-5 PLTD (PAIR)	190	C	6	**1306.50**	55223
B437-6 PLTD (PAIR)	217	C	1	**1428.50**	55233
B437-8 PLTD (PAIR)	295	C	1	**1999.60**	55238
B438 & B439 PIPE SUPPORT BRACKET					
B438 GRN	132	C	15	**1013.70**	55242
B438 PLTD	132	C	15	**1013.70**	55243
B439 GRN	88	C	20	**655.00**	55252
B439 PLTD	88	C	20	**655.00**	55253
B440 BRACKET FOR B52 & B54					
B440 GRN	177	C	10	**1589.50**	55262
B440 PLTD	177	C	10	**1589.50**	55263
B441-22, B441-22A BEAM CLAMPS					
B441-22 PLTD	87	A	25	**376.10**	55283
B441-22A PLTD	93	A	25	**440.40**	55273
B441Z-22 PURLIN BEAM CLAMPS					
B441Z-22 PLTD	95	B	25	**718.80**	03447
BC442 LIGHT DUTY BEAM CLAMP					
BC442 PLTD	6.2	A	50	**See Fastener Price List**	18278

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STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B444 (SERIES) ROD SUPPORT					
B444-1/4 PLTD	24	B	50	**267.40**	55333
B444-5/16 PLTD	23	C	50	**386.20**	55338
B444-3/8 PLTD	71	A	25	**652.00**	55343
B444-1/2 PLTD	146	A	25	**1051.00**	55348
B446 SWIVEL HANGER (FEMALE-MALE)					
B446-3/8 PLTD	28	B	50	**929.10**	55413
B446-1/2 PLTD	36	B	25	**1071.40**	55423
B446A SWIVEL HANGER (FEMALE ONLY)					
B446A-3/8 PLTD	13	C	50	**573.70**	55353
B446A-1/2 PLTD	15	C	50	**595.10**	55363
B446B SWIVEL HANGER (MALE ONLY)					
B446B-3/8 PLTD	16	B	50	**548.90**	55373
B446B-1/2 PLTD	20	B	50	**563.50**	55383
B446C SWIVEL HANGER (FEMALE-FEMALE)					
B446C-3/8 PLTD	26	B	50	**954.00**	55393
B446C-1/2 PLTD	31	B	50	**1022.60**	55403
B447 & B447A CONDUIT CONNECTION PLATE					
B447 PLTD (1/2 COND)	35	C	50	**586.90**	55433
B447A PLTD (3/4 COND)	35	B	50	**620.50**	55443
B449 (SERIES) CABLE SADDLE BRACKET					
4", 8", 12"				**18"**	
B449-4 GRN	74	C	25	**1522.20**	55462
B449-4 PLTD	74	C	25	**1522.20**	55463
B449-8 GRN	124	C	10	**1983.30**	55472
B449-8 PLTD	124	C	10	**1983.30**	55473
B449-12 GRN	184	C	10	**2575.60**	55482
B449-12 PLTD	184	C	10	**2575.60**	55483
B449-18 GRN	312	B	5	**3860.60**	55492
B449-18 PLTD	312	B	5	**3860.60**	55493
B450 (SERIES) U-WASHER					
B450-1/4 GRN	13	B	50	**188.90**	55458
B450-1/4 PLTD	13	B	50	**188.90**	55459
B450-3/8 GRN	13	B	50	**188.90**	55467
B450-3/8 PLTD	13	B	50	**188.90**	55468
B450-1/2 GRN	13	B	50	**188.90**	55475
B450-1/2 PLTD	13	B	50	**188.90**	55476

(Continued on next column.)

B450 (SERIES)

U-WASHER (Continued from last column)

B450-5/8 GRN	13	C	50	**216.90**	55480
B450-5/8 PLTD	13	C	50	**216.90**	55481
B450-3/4 GRN	13	C	50	**216.90**	55488
B450-3/4 PLTD	13	C	50	**216.90**	55489
B451 SLOTTED 3-HOLE "U" SUPPORT WITH GUSSET FOR B22					
B451-1 GRN	137	C	5	**1867.30**	55520
B451-1 PLTD	137	C	5	**1867.30**	55521
B451-2 GRN	156	C	5	**2055.50**	55526
B451-2 PLTD	156	C	5	**2055.50**	55527
B451-3 GRN	172	C	5	**2265.90**	55528
B451-3 PLTD	172	C	5	**2265.90**	55529
B460 FLUORESCENT FIXTURE HANGER					
B460-11 PLTD	23	C	100	**581.50**	55514
B460-12 PLTD	20	C	100	**513.20**	55510
B460-22 PLTD	17	C	100	**437.50**	55511
B461 2-HOLE ADJUSTABLE CORNER ANGLE					
B461 GRN	87	C	20	**913.60**	55512
B461 PLTD	87	C	20	**913.60**	55513
B464 FLUORESCENT FIXTURE HANGER					
B464-11 PLTD	24	D	100	**626.90**	55531
B464-12 PLTD	20	C	100	**518.00**	55516
B464-22 PLTD	17	B	100	**418.40**	55517
B464-32 PLTD	17	D	100	**554.00**	55532
B465 H.I.D. FIXTURE HANGER					
B465 GRN	95	B	20	**1046.50**	55518
B465 PLTD	95	B	20	**1046.50**	55519
B466W TAPPED SPLICE PLATE					
B466W PLTD	27	B	100	**197.00**	55523
B466S STUD SPLICE PLATE					
B466S PLTD	34	C	25	**377.20**	55533
B472 DOUBLE REEL RACK SUPPORT ON DOUBLE CHANNEL FOR 2" PIPE					
B472 GRN	299	C	5	**2323.80**	57292
B472 PLTD	299	C	5	**2323.80**	57293

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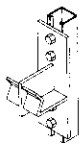
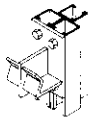
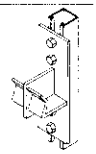
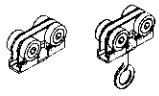
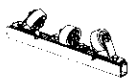
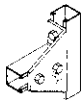
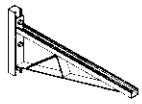
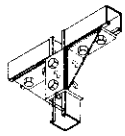
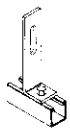
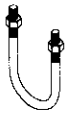
STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
 **B473 DOUBLE REEL RACK SUPPORT ON SINGLE CHANNEL FOR 2" PIPE**					
B473 GRN	351	C	5	**2764.10**	57302
B473 PLTD	351	C	5	**2764.10**	57303
 **B474 DOUBLE REEL RACK SUPPORT ON DOUBLE CHANNEL FOR 1 1/4" PIPE**					
B474 GRN	257	C	5	**2082.00**	57312
B474 PLTD	257	C	5	**2082.00**	57313
 **B475 DOUBLE REEL RACK SUPPORT ON SINGLE CHANNEL FOR 1 1/4" PIPE**					
B475 GRN	326	C	5	**2555.80**	57322
B475 PLTD	326	C	5	**2555.80**	57323
B477 2-BEARING LIGHT-DUTY TROLLEY ASSEMBLY B477H WITH HOOK					
B477 PLTD	30	B	20	**1557.30**	55536
B477H PLTD	36	B	20	**1829.50**	55537
 **B478 4-BEARING LIGHT-DUTY TROLLEY ASSEMBLY B478H WITH HOOK**					
B478 PLTD	68	A	20	**2468.00**	55540
B478H PLTD	72	A	10	**2706.70**	55541
 **B479 PIPE ROLLERS FOR 16" TO 30" PIPE**					
B479 PLTD	889	B	5	**10205.00**	57360
 **B485 4-HOLE GUSSETTED SHELF ANGLE**					
B485 GRN	148	C	25	**1255.30**	57366
B485 PLTD	148	C	25	**1255.30**	57367
B488 2-HOLE LEG CONNECTION					
B488 GRN	100	D	20	**736.20**	55548
B488 PLTD	100	D	20	**736.20**	55549
 **B494 (SERIES) BRACED SINGLE BRACKET**					
B494-12 GRN	364	B	1	**3308.70**	57702
B494-12 PLTD	364	B	1	**3308.70**	57703
B494-18 GRN	479	B	1	**3990.10**	57712
B494-18 PLTD	479	B	1	**3990.10**	57713
B494-24 GRN	716	B	1	**4690.70**	57722
B494-24 PLTD	716	B	1	**4690.70**	57723
B494-30 GRN	927	B	1	**5449.30**	57732
B494-30 PLTD	927	B	1	**5449.30**	57733
B494-36 GRN	1,095	B	1	**6853.60**	57742
B494-36 PLTD	1,095	B	1	**6853.60**	57743
B494-42 GRN	1,400	B	1	**7776.90**	57752
B494-42 PLTD	1,400	B	1	**7776.90**	57753
B494-48 GRN	1,510	B	1	**8615.10**	57762
B494-48 PLTD	1,510	B	1	**8615.10**	57763
 **B495 10-HOLE DOUBLE WING GUSSETTED CONNECTION**					
B495 GRN	240	B	5	**3138.60**	57768
B495 PLTD	240	B	5	**3138.60**	57769
 **B496 & B496-1 2-HOLE ADJUSTABLE CORNER ANGLE**					
B496 GRN	85	C	25	**648.00**	55542
B496 PLTD	85	C	25	**648.00**	55543
B496-1 GRN	58	B	25	**515.80**	55552
B496-1 PLTD	58	B	25	**515.80**	55553
B500 (SERIES) SQUARE "U" BOLT					
B500-3 3/8 PLTD	25	C	25	**221.70**	55558
B500-5 PLTD	33	C	25	**283.00**	55559
 **B501 (SERIES) "U" BOLT**					
B501-1/2 PLTD	12	C	50	**104.40**	55563
B501-3/4 PLTD	13	C	50	**104.40**	55573
B501-1 PLTD	14	C	50	**114.40**	55583
B501-1 1/4 PLTD	15	C	50	**129.60**	55593
B501-1 1/2 PLTD	16	C	50	**148.80**	55603
B501-2 PLTD	27	C	20	**195.50**	55613
B501-2 1/2 PLTD	32	C	25	**217.10**	55623
B501-3 PLTD	36	C	25	**241.10**	55633
B501-3 1/2 PLTD	36	C	20	**289.00**	55643
B501-4 PLTD	42	C	10	**442.90**	55653
B501-5 PLTD	92	C	10	**839.40**	55663
B501-6 PLTD	176	C	10	**1232.50**	55673
B501-8 PLTD	191	C	5	**1434.50**	55683

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B503 6-HOLE GUSSETTED CORNER CONNECTION					
B503R GRN	229	C	15	**2119.90**	55692
B503R PLTD	229	C	15	**2119.90**	55693
B503L GRN	229	C	15	**2119.90**	55702
B503L PLTD	229	C	15	**2119.90**	55703
B504 4-HOLE SPLICE PLATE					
B504 GRN	73	C	20	**518.00**	55708
B504 PLTD	73	C	20	**518.00**	55709
B514 REEL RACK SUPPORT FOR 2" PIPE					
B514R GRN	246	C	10	**1762.50**	55712
B514R PLTD	246	C	10	**1762.50**	55713
B514L GRN	246	C	10	**1762.50**	55722
B514L PLTD	246	C	10	**1762.50**	55723
B515 ADJUSTABLE OFFSET GUSSETTED "Z" SUPPORT					
B515 GRN	93	C	10	**866.60**	55732
B515 PLTD	93	C	10	**866.60**	55733
B516 SNAP-IN OUTLET BOX					
B516 PLTD	72	B	15	**1085.10**	55743
B516S OUTLET BOX					
B516S PLTD	98	A	10	**1400.40**	55753
B518 (SERIES) JUNCTION BOX					
B518-1 PLTD	106	C	5	**2229.60**	55763
B518-2 PLTD	137	C	5	**2692.80**	55773
B518-3 PLTD	162	C	5	**3075.90**	55783
B518-4 PLTD	193	C	5	**3401.90**	55793
B519 8-HOLE "U" SUPPORT					
B519 GRN	266	C	5	**2109.10**	55802
B519 PLTD	266	C	5	**2109.10**	55803
B521 2-HOLE BUS DUCT ANGLE					
B521 GRN	37	C	50	**287.40**	55812
B521 PLTD	37	C	50	**287.40**	55813
B522 3-HOLE 95° OPEN ANGLE FITTING					
B522 GRN	54	C	20	**321.50**	55810
B522 PLTD	54	C	20	**321.50**	55811
B526 2-HOLE OFFSET "Z" SUPPORT					
B526 GRN	38	C	25	**305.00**	55822
B526 PLTD	38	C	25	**305.00**	55823
B527 3-HOLE OFFSET PLATE CONNECTION					
B527 GRN	54	C	25	**488.50**	55828
B527 PLTD	54	C	25	**488.50**	55829
B528 2-HOLE SPLICE PLATE					
B528 GRN	50	B	25	**361.90**	55832
B528 PLTD	50	B	25	**361.90**	55833
B529 3-HOLE CORNER ANGLE					
B529 GRN	78	C	20	**610.50**	55842
B529 PLTD	78	C	20	**610.50**	55843
B532 5-HOLE TEE GUSSET PLATE					
B532 GRN	143	B	10	**1163.60**	55844
B532 PLTD	143	B	10	**1163.60**	55845
B533 5-HOLE GUSSETTED SHELF ANGLE					
B533 GRN	141	C	25	**1246.10**	55846
B533 PLTD	141	C	25	**1246.10**	55847
B534 TAPPED "Z" SUPPORT					
B534 GRN	51	C	25	**481.60**	55814
B534 PLTD	51	C	25	**481.60**	55815

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P.O.A. - Price on application.

STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B535 TAPPED "Z" SUPPORT					
B535 GRN	50	C	25	**602.10**	55816
B535 PLTD	50	C	25	**602.10**	55817
B536 TAPPED "U" SUPPORT					
B536 GRN	87	C	20	**842.90**	55818
B536 PLTD	87	C	20	**842.90**	55819
B538 TAPPED CORNER CONNECTION					
B538 GRN	71	C	25	**740.70**	55824
B538 PLTD	71	C	25	**740.70**	55825
B539 TAPPED CORNER CONNECTION					
B539 GRN	68	D	25	**1151.80**	55826
B539 PLTD	68	D	25	**1151.80**	55827
B541 BRACKET					
B541 GRN	201	B	4	**1542.40**	55848
B541 PLTD	201	B	4	**1542.40**	55849
B556 5-HOLE CORNER GUSSET PLATE					
B556 GRN	145	B	20	**1034.40**	55850
B556 PLTD	145	B	20	**1034.40**	55851
B557 3-HOLE SPLICE PLATE					
B557 GRN	50	C	25	**376.20**	55852
B557 PLTD	50	C	25	**376.20**	55853
B558 4-HOLE CORNER ANGLE					
B558 GRN	73	C	25	**591.80**	55854
B558 PLTD	73	C	25	**591.80**	55855
B560 45° STAIR SUPPORT					
B560 GRN	220	C	10	**1625.10**	55862
B560 PLTD	220	C	10	**1625.10**	55863
B562 37 1/2° STAIR SUPPORT					
B562 GRN	206	C	10	**1612.90**	55866
B562 PLTD	206	C	10	**1612.90**	55867
B568 6-HOLE CROSS GUSSET PLATE					
B568 GRN	166	C	10	**1931.00**	55868
B568 PLTD	166	C	10	**1931.00**	55869
B570 POST BASE FOR 4 CHANNEL COMBINATIONS					
B570 GRN	397	C	5	**3606.90**	55856
B570 PLTD	397	C	5	**3606.90**	55857
B570A POST BASE FOR 4 CHANNEL COMBINATIONS					
B570A GRN	550	C	5	**4883.60**	55858
B570A PLTD	550	C	5	**4883.60**	55859
B571 8-HOLE WING CONNECTION					
B571 GRN	201	C	10	**1846.20**	55872
B571 PLTD	201	C	10	**1846.20**	55873
B578 3-HOLE LIGHT-WEIGHT "U" SUPPORT					
B578 GRN	18	C	50	**374.70**	55870
B578 PLTD	18	C	50	**374.70**	55871
B580 5-HOLE GUSSETTED "Z" SUPPORT					
B580 GRN	100	C	10	**908.80**	55878
B580 PLTD	100	C	10	**908.80**	55879
B581 8-HOLE "U" SUPPORT					
B581 GRN	201	C	10	**2021.40**	55874
B581 PLTD	201	C	10	**2021.40**	55875
B585 POST BASE FOR B22A					
B585 GRN	97	C	20	**1453.70**	55876
B585 PLTD	97	C	20	**1453.70**	55877

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STRUT FITTINGS

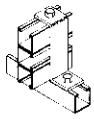
B-Line

Discount Schedule Shown in Shaded Box

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

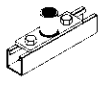
(Priced Per 100 Pcs.)

B586
2-HOLE ZEE SUPPORT



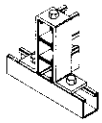
B586 GRN	90	C	25	**752.10**	55880
B586 PLTD	90	C	25	**752.10**	55881

B587 (SERIES)
PIPE COUPLING FITTING



B587-1/2 PLTD	77	C	10	**1366.40**	55883
B587-3/4 PLTD	84	B	10	**1409.70**	55893
B587-1 PLTD	105	C	10	**1923.80**	55903

B588
3-HOLE "U" SUPPORT

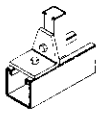


B588 GRN	157	C	10	**1323.70**	55908
B588 PLTD	157	C	10	**1323.70**	55909

B589
SPACER CLEVIS

B589 GRN	29	C	25	**370.20**	55912
B589 PLTD	29	C	25	**370.20**	55913

B589-62
2-HOLE 90° ADAPTER ANGLE

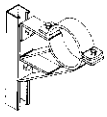


B589-62 GRN	11	C	50	**379.60**	55918
B589-62 PLTD	11	C	50	**379.60**	55919

B590
FIBRE WIRE RETAINER

B590 FIBRE	1	C	200	**40.10**	55922

B591 (SERIES)
PIPE BRACKET SADDLE AND CLAMP

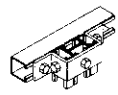


B591-2 GRN	290	C	10	**2425.80**	55932
B591-2 PLTD	290	C	10	**2425.80**	55933
B591-2 1/2 GRN	330	C	10	**2594.30**	55942
B591-2 1/2 PLTD	330	C	10	**2594.30**	55943
B591-3 GRN	439	B	10	**3145.60**	55952
B591-3 PLTD	439	B	10	**3145.60**	55953
B591-3 1/2 GRN	490	C	5	**3463.20**	55962
B591-3 1/2 PLTD	490	C	5	**3463.20**	55963
B591-4 GRN	545	C	5	**3769.70**	55972
B591-4 PLTD	545	C	5	**3769.70**	55973
B591-5 GRN	666	C	10	**4893.40**	55982
B591-5 PLTD	666	C	10	**4893.40**	55983
B591-6 GRN	724	C	10	**5120.00**	55992
B591-6 PLTD	724	C	10	**5120.00**	55993
B591-8 GRN	1,087	B	5	**6414.50**	56002
B591-8 PLTD	1,087	B	5	**6414.50**	56003

B593
CLEVIS SWIVEL
(USE WITH B107S)

B593 GRN	31	C	25	**502.50**	56012
B593 PLTD	31	C	25	**502.50**	56013

B594
5-HOLE "U" SUPPORT



B594 GRN	106	C	10	**926.90**	56022
B594 PLTD	106	C	10	**926.90**	56023

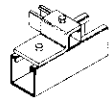
B595
3-HOLE CLEVIS

B595 GRN	75	C	25	**533.40**	56032
B595 PTLD	75	C	25	**533.40**	56033

B596
3-HOLE SWIVEL CLEVIS

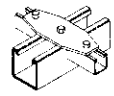
B596 GRN	53	C	25	**545.50**	56038
B596 PLTD	53	C	25	**545.50**	56039

B598-62
2-HOLE "Z" ADAPTER PLATE



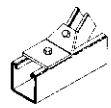
B598-62 GRN	30	D	25	**394.90**	56042
B598-62 PLTD	30	D	25	**394.90**	56043

B600-62
3-HOLE FLAT ADAPTER PLATE



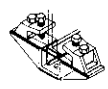
B600-62 GRN	19	D	100	**356.60**	56056
B600-62 PLTD	19	D	100	**356.60**	56057

B601-62
2-HOLE 45° ADAPTER ANGLE



B601-62 GRN	14	C	50	**379.60**	56058
B601-62 PLTD	14	C	50	**379.60**	56059

B602A thru B602C
BEAM CLAMP WITH GUSSET ASSEMBLY



B602A GRN	365	C	5	**3666.50**	56062
B602A PLTD	365	C	5	**3666.50**	56063
B602B GRN	383	C	5	**3921.50**	56072
B602B PLTD	383	C	5	**3921.50**	56073
B602C GRN	408	C	5	**4078.20**	56082
B602C PLTD	408	C	5	**4078.20**	56083

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STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B613 COLUMN SUPPORT FOR B22 & B24					
B613 PLTD (PAIR)	100	A	15	**1254.50**	56094
B613A COLUMN SUPPORT FOR B52 & B54					
B613A PLTD (PAIR)	100	B	15	**1322.60**	56096
BMB1 STRUT MOUNTING BRACKET					
BMB1 PLTD (PAIR)	18.4	C	25	**75.70**	01658
B616 FLUORESCENT FIXTURE HANGER					
B616-9/16 PLTD	25	B	20	**211.30**	56103
B616-7/8 PLTD	25	C	20	**223.30**	56105
B616-22A FLUORESCENT FIXTURE HANGER					
B616-22A-9/16 PLTD	44	C	10	**261.00**	56119
B616-22A-7/8 PLTD	44	C	10	**261.00**	56120
B616S FLUORESCENT FIXTURE HANGER WITH STUD					
B616S-9/16 PLTD	30	B	20	**335.70**	56121
B616S-7/8 PLTD	30	C	20	**354.50**	56122
B616S-22A FLUORESCENT FIXTURE HANGER WITH STUD					
B616S-22A-9/16 PLTD	49	C	10	**392.60**	56125
B616S-22A-7/8 PLTD	49	C	10	**392.60**	56126
B616TG FLUORESCENT FIXTURE HANGER FOR 1/2" KNOCKOUT					
B616TG-9/16 PLTD	32	C	20	**373.80**	56113
B617 SHOULDER BOLT					
B617 PLTD	6	C	100	**226.70**	56143
B619 KNOCKOUT PLATE					
B619 PLTD	40	C	50	**511.80**	56153
B631 (SERIES) 2-HOLE 45° TUBING KNEE BRACE					
B631-18 GRN	145	C	1	**1450.50**	56170
B631-18 PLTD	145	C	1	**1450.50**	56171
B631-24 GRN	186	B	1	**1579.60**	56174
B631-24 PLTD	186	B	1	**1579.60**	56175
B631-30 GRN	225	C	1	**1831.30**	56178
B631-30 PLTD	225	C	1	**1831.30**	56179
B631-36 GRN	266	C	1	**2026.60**	56186
B631-36 PLTD	266	C	1	**2026.60**	56187
B631-42 GRN	307	C	1	**2242.30**	56188
B631-42 PLTD	307	C	1	**2242.30**	56189
B631-48 GRN	348	C	1	**2419.00**	56190
B631-48 PLTD	348	C	1	**2419.00**	56191
B631-54 GRN	389	C	1	**2659.30**	56196
B631-54 PLTD	389	C	1	**2659.30**	56197
B631-60 GRN	430	C	1	**2865.70**	56200
B631-60 PLTD	430	C	1	**2865.70**	56201
B632 (SERIES) 2-HOLE STRAIGHT TUBING BRACE					
B632-18 GRN	133	C	1	**1385.50**	56207
B632-18 PLTD	133	C	1	**1385.50**	56208
B632-24 GRN	174	C	1	**1510.40**	56220
B632-24 PLTD	174	C	1	**1510.40**	56221
B632-30 GRN	215	C	1	**1646.90**	56230
B632-30 PLTD	215	C	1	**1646.90**	56231
B632-36 GRN	256	C	1	**1814.20**	56194
B632-36 PLTD	256	C	1	**1814.20**	56195
B632-42 GRN	295	C	1	**2016.30**	56198
B632-42 PLTD	295	C	1	**2016.30**	56199
B632-48 GRN	335	D	1	**2226.10**	56205
B632-48 PLTD	335	D	1	**2226.10**	56206
B632-54 GRN	380	D	1	**2375.20**	56209
B632-54 PLTD	380	D	1	**2375.20**	56210
B632-60 GRN	420	D	1	**2539.90**	56215
B632-60 PLTD	420	D	1	**2539.90**	56216
B632-72 GRN	500	D	1	**2949.70**	56218
B632-72 PLTD	500	D	1	**2949.70**	56219
B632-84 GRN	585	D	1	**3266.50**	56225
B632-84 PLTD	585	D	1	**3266.50**	56226
B632-96 GRN	670	D	1	**3639.20**	56228
B632-96 PLTD	670	D	1	**3639.20**	56229
B633 (SERIES) SEISMIC HINGE					
B633-1/2 PLTD	92	A	25	**1685.80**	51237
B633-5/8 PLTD	97	B	25	**1788.30**	51238
B633-3/4 PLTD	95	C	25	**1871.50**	51239
B633-7/8 PLTD	120	C	25	**1997.10**	51240
B634 SINGLE CHANNEL ADJUSTABLE BRACE					
B634 GRN	306	B	5	**2221.10**	57332
B634 PLTD	306	B	5	**2221.10**	57333

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Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B635 DOUBLE CHANNEL ADJUSTABLE BRACE					
B635 GRN	518	C	4	**3858.00**	57342
B635 PLTD	518	C	4	**3858.00**	57343
B655 ROD COUPLING					
B655-1/4 PLTD	1.9	A	100	**93.00**	56243
B655-5/16 PLTD	1.8	C	100	**134.40**	56248
B655-3/8 PLTD	3.6	A	100	**129.80**	56253
B655-1/2 PLTD	11.3	B	100	**194.00**	56263
B655-5/8 PLTD	17.6	B	50	**355.90**	56273
B655-3/4 PLTD	28.1	B	40	**581.50**	56283
B655-7/8 PLTD	57.2	C	25	**1036.90**	56286
B655-1 PLTD	73.7	C	20	**1370.00**	56289
B656 REDUCER ROD COUPLING					
B656-3/8 x 1/4 PLTD	3.7	C	50	**185.10**	56293
B656-1/2 x 3/8 PLTD	6.6	C	50	**283.00**	56303
B656-5/8 x 1/2 PLTD	11.6	C	50	**403.40**	56313
B656-3/4 x 5/8 PLTD	20.6	C	40	**793.50**	56316
B656-7/8 x 3/4 PLTD	39.4	C	25	**1232.50**	56319
B663 7-HOLE GUSSETTED CORNER CONNECTION					
B663 GRN	289	C	20	**2876.90**	56322
B663 PLTD	289	C	20	**2876.90**	56323
B664 DOUBLE PIPE SUPPORT FOR 1 1/4" PIPE					
B664 GRN	154	C	10	**1290.40**	56332
B664 PLTD	154	C	10	**1290.40**	56333
B670 PARALLEL BEAM CLAMP					
B670-3/8 HDG	32	C	25	**415.40**	56700
B670-1/2 HDG	58	B	25	**432.20**	56701
B670-3/4 HDG	64	A	25	**452.70**	56702
B670-1 HDG	70	B	25	**533.70**	56703
B670-1 1/4 HDG	77	C	25	**673.10**	56704
B670-1 1/2 HDG	93	B	25	**731.30**	56705
B670-2 HDG	105	B	20	**946.50**	56706
B670-2 1/2 HDG	143	C	10	**1217.70**	56707
B670-3 HDG	164	C	10	**1496.70**	56708
B670-3 1/2 HDG	190	C	10	**1718.90**	56709
B670-4 HDG	205	C	10	**1910.20**	56710
B671 EDGE BEAM CLAMP					
B671-1/2 HDG	67	C	25	**587.30**	56750
B671-3/4 HDG	71	B	25	**596.50**	56751
B671-1 HDG	85	B	25	**689.00**	56752
B671-1 1/4 HDG	91	C	25	**892.80**	56753
B671-1 1/2 HDG	115	C	20	**984.30**	56754
B671-2 HDG	135	C	10	**1186.10**	56755
B671-2 1/2 HDG	183	C	10	**1496.40**	56756
B671-3 HDG	230	C	10	**1770.30**	56757
B700 (SERIES) "J" HOOK (FOR B750)					
B700-J4 PLTD	51	C	25	**359.80**	56860
B700-J6 PLTD	66	C	25	**384.40**	56862
B700-J9 PLTD	77	C	25	**481.20**	56864
B700-J12 PLTD	89	C	25	**569.30**	56866
B701 (SERIES) J-HOOK (FOR B751)					
B701-J4-3/8 PLTD	29	C	100	**149.80**	57353
B701-J6-3/8 PLTD	37	C	40	**204.30**	57363
B701-J9-3/8 PLTD	42	C	20	**295.20**	57368
B701-J12-3/8 PLTD	48	C	100	**340.90**	57673
B702 CLEAT (FOR B752)					
B702 PLTD	6	D	100	**108.80**	57375
B705 (SERIES) J-HOOK (FOR B755)					
B705-J4 PLTD	17	B	100	**117.80**	57383
B705-J6 PLTD	21	C	40	**184.50**	57393
B705-J10 PLTD	23	C	20	**261.40**	57398
B705-J12 PLTD	25	C	100	**306.80**	57403
B705 CLIP (FOR USE WITH B705)					
B705 CLIP PLTD	12	B	100	**100.30**	57413
B718 (SERIES) UNIVERSAL JUNCTION BOX WITH HUBS					
B718-1 PLTD	205	C	10	**2229.60**	56443
B718-2 PLTD	230	C	10	**3149.80**	56453
B718-3 PLTD	255	C	10	**4077.40**	56463
B718-4 PLTD	280	C	10	**5005.60**	56473
B719 UNIVERSAL JUNCTION BOX HUB					
B719 AL	25	B	20	**879.00**	56484

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STRUT FITTINGS

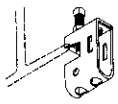
B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

B750-J4 thru B750-J12
BEAM CLAMP

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B750-J4 PLTD	109	B	25	**665.50**	56480
B750-J6 PLTD	124	B	25	**680.60**	56485
B750-J9 PLTD	135	C	25	**875.20**	56487
B750-J12 PLTD	147	C	25	**1074.30**	56489



B751
BEAM CLAMP

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B751 PLTD	42	B	20	**290.90**	56483

B751-J4 thru J12
BEAM CLAMP ASSEMBLIES

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B751-J4-3/8 PLTD	70	B	20	**435.50**	56493
B751-J6-3/8 PLTD	78	B	20	**468.30**	56503
B751-J9-3/8 PLTD	83	C	20	**637.80**	56506
B751-J12-3/8 PLTD	88	C	20	**690.20**	56508

B752
BEAM CLAMP SWIVEL (FOR B751)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B752 PLTD	30	B	20	**244.30**	56513

B753 (SERIES)
SWIVEL NUT (FOR B751)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B753-1/4 PLTD	4.5	C	100	**108.90**	56523
B753-3/8 PLTD	4	B	100	**109.30**	56533
B753-1/2 PLTD	3.4	C	100	**134.00**	56543

B755-3/8
BEAM CLAMP

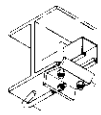
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B755-3/8 PLTD	30	B	20	**169.70**	56553

B755-J4 thru J12
BEAM CLAMP ASSEMBLIES

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B755-3/8-J4 PLTD	47	B	20	**307.30**	56563
B755-3/8-J6 PLTD	51	C	20	**383.00**	56573
B755-3/8-J10 PLTD	53	C	20	**463.80**	56576
B755-3/8-J12 PLTD	55	D	20	**528.30**	56578

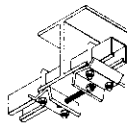
B756
SWING CONNECTOR (FOR B755-3/8)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B756-3/8 PLTD	15	C	20	**165.20**	56583



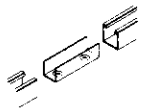
B760 (SERIES)
BEAM CLAMP

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B760-22-J4 PLTD	122	B	25	**968.90**	57421
B760-22-J6 PLTD	129	B	25	**990.60**	57423
B760-22-J9 PLTD	135	C	25	**1113.70**	57424
B760-22-J12 PLTD	141	C	20	**1301.20**	57425
B760-22A-J4 PLTD	129	B	25	**983.10**	57426
B760-22A-J6 PLTD	136	B	25	**1006.60**	57427
B760-22A-J9 PLTD	142	C	25	**1226.80**	57428
B760-22A-J12 PLTD	148	C	20	**1311.20**	57429



B761 (SERIES)
BEAM CLAMP

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B761-22-4 PLTD	202	C	10	**1820.60**	57431
B761-22-6 PLTD	206	C	10	**1865.50**	57433
B761-22-9 PLTD	214	C	10	**1928.80**	57434
B761-22-12 PLTD	221	D	10	**2060.30**	57435
B761-22A-4 PLTD	216	B	10	**1914.50**	57436
B761-22A-6 PLTD	220	C	10	**2047.00**	57437
B761-22A-9 PLTD	228	C	10	**2112.70**	57438
B761-22A-12 PLTD	235	C	10	**2150.10**	57439

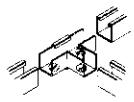


B766 (SERIES)
STRAIGHT STRUT JOINER

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B766-11 PLTD	94	C	20	**1501.70**	57440
B766-12 PLTD	72	B	20	**1438.10**	57441
B766-22 PLTD	50	A	20	**969.00**	57443
B766-26 PLTD	53	C	20	**1357.90**	57444
B766-32 PLTD	44	C	20	**1357.90**	57445
B766-42 PLTD	34	C	20	**1342.90**	57446
B766-52 PLTD	28	B	20	**1129.80**	57447
B766-56 PLTD	31	C	20	**1318.30**	57448

B767 (SERIES)
90° ELBOW STRUT JOINER

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B767-11 PLTD	74	C	5	**2282.40**	57450
B767-12 PLTD	56	C	5	**2047.80**	57451
B767-22 PLTD	39	B	5	**1786.50**	57453
B767-26 PLTD	41	C	5	**1868.10**	57454
B767-32 PLTD	34	D	5	**1917.80**	57455
B767-42 PLTD	27	C	5	**1846.30**	57456
B767-52 PLTD	23	C	5	**1795.80**	57457
B767-56 PLTD	25	C	5	**1812.80**	57458



B768 (SERIES)
TEE STRUT JOINER

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B768-11 PLTD	142	C	5	**2751.30**	57460
B768-12 PLTD	112	C	5	**2491.70**	57461
B768-22 PLTD	79	B	5	**1965.80**	57463
B768-26 PLTD	79	C	5	**2293.80**	57464
B768-32 PLTD	72	D	5	**2333.00**	57465
B768-42 PLTD	62	C	5	**2246.30**	57466
B768-52 PLTD	57	C	5	**2184.80**	57467
B768-56 PLTD	60	D	5	**2287.30**	57468

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B769 (SERIES) CROSS STRUT JOINER					
B769-11 PLTD	148	D	5	**3432.90**	57470
B769-12 PLTD	120	D	5	**3080.60**	57471
B769-22 PLTD	87	B	5	**2589.70**	57473
B769-26 PLTD	93	C	5	**2732.80**	57474
B769-32 PLTD	78	D	5	**2807.50**	57475
B769-42 PLTD	65	C	5	**2677.80**	57476
B769-52 PLTD	58	C	5	**2629.30**	57484
B769-56 PLTD	62	D	5	**2726.70**	57485
B802D OFFSET UTILITY POLE CHANNEL BRACKET					
B802D-8 PLTD	248	D	1	**3827.60**	*15261
B802D-8 HDG	248	D	1	**5741.30**	97431
B802D-12 PLTD	290	D	1	**4210.40**	*15262
B802D-12 HDG	290	D	1	**6315.40**	97433
B802D-16 PLTD	332	D	1	**4420.90**	*15263
B802D-16 HDG	332	D	1	**6631.30**	97436
B809B FLUSH MOUNTED UTILITY POLE CHANNEL BRACKET W/ BRACE					
B809B-6 PLTD		D	1	**3858.10**	97456
B809B-6 HDG		D	1	**4286.90**	97455
B809B-8 PLTD		D	1	**4061.30**	*14419
B809B-8 HDG		D	1	**4512.40**	97460
B809B-10 PLTD		D	1	**4345.40**	97461
B809B-10 HDG		D	1	**4828.30**	97458
B809B-12 PLTD		D	1	**4649.60**	97459
B809B-12 HDG		D	1	**5166.50**	97462
B809B-16 PLTD		D	1	**5323.50**	97464
B809B-16 HDG		D	1	**5528.00**	97463
B809B-18 PLTD		D	1	**5695.90**	97467
B809B-18 HDG		D	1	**5914.80**	97465
B809B-24 PLTD		D	1	**6094.80**	97470
B809B-24 HDG		D	1	**6328.90**	97469
B810 FLUSH MOUNTED UTILITY POLE CHANNEL BRACKET					
B810-8 PLTD		D	1	**3008.10**	*15265
B810-8 HDG		D	1	**3342.60**	97438
B810-12 PLTD	378	D	1	**3444.30**	*17167
B810-12 HDG		D	1	**3826.90**	97440
B810-16 PLTD		D	1	**3616.50**	97444
B810-16 HDG		D	1	**4094.80**	97441
B811 ADAPTER CHANNEL BRACKET (used with B809B & B812)					
B811-8 PLTD		D	1	**1504.30**	*15267
B811-8 HDG		D	1	**2256.30**	97471
B811-12 PLTD		D	1	**1722.20**	*15268
B811-12 HDG		D	1	**2583.10**	97472
B811-16 PLTD		D	1	**1808.10**	*15269
B811-16 HDG		D	1	**2712.40**	97473
B812 FLUSH MOUNTED UTILITY POLE DOUBLE CHANNEL BRACKET					
B812-6 PLTD	317	D	1	**2858.00**	*17166
B812-6 HDG		D	1	**3175.60**	97442
B812-8 PLTD	345	D	1	**3008.10**	*17026
B812-8 HDG	345	C	1	**3303.60**	02632
B812-10 PLTD		D	1	**3218.90**	97446
B812-10 HDG		D	1	**3576.70**	97445
B812-12 PLTD	517	D	1	**3444.30**	*17167
B812-12 HDG	517	D	1	**3826.90**	96276
B812-16 PLTD		D	1	**3616.50**	97451
B812-16 HDG		D	1	**4094.80**	97447
B812-18 PLTD		D	1	**3943.30**	97452
B812-18 HDG		D	1	**4381.50**	97561
B812-24 PLTD		D	1	**4219.40**	97454
B812-24 HDG		D	1	**4688.10**	97453
B816 FLUSH MOUNTED UTILITY POLE PLATE BRACKET					
B816-8 PLTD	806	D	1	**5259.30**	*15971
B816-8 HDG	806	D	1	**7888.90**	97389
B822 PLASTIC END CAP FOR B22 & B24					
B822 PLASTIC	3	A	100	**129.90**	57700
B844 UNIVERSAL SHELF BRACKET					
B844 GRN	132	A	25	**623.50**	57477
B844 PLTD	132	A	25	**623.50**	57478
B844W UNIVERSAL SHELF BRACKET (WELDED CORNER)					
B844W GRN	134	B	25	**904.10**	57479
B844W PLTD	134	B	25	**904.10**	57480

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
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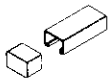
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application. * Denotes UPC# 782051

STRUT FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

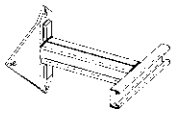
(Priced Per 100 Pcs. Unless Otherwise Specified)



B852
PLASTIC END CAP FOR B52 & B54

B

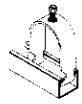
CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B852 PLASTIC	3	B	100	**135.70**	61795



B852S
FLUSH MOUNTED UTILITY POLE
DOUBLE CHANNEL TEE BRACKET

B

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B852S-8-6 PLTD		D	1	**5475.60**	95976
B852S-8-6 HDG		D	1	**8213.10**	97392
B852S-8-8 PLTD		D	1	**5749.30**	95977
B852S-8-8 HDG		D	1	**8623.90**	97393
B852S-8-10 PLTD		D	1	**6036.90**	95978
B852S-8-10 HDG		D	1	**9055.00**	97399
B852S-8-12 PLTD		D	1	**6338.50**	95979
B852S-8-12 HDG		D	1	**9508.00**	97394
B852S-8-16 PLTD		D	1	**6655.60**	95980
B852S-8-16 HDG		D	1	**9983.10**	97401
B852S-8-18 PLTD		D	1	**6988.10**	95981
B852S-8-18 HDG		D	1	**10482.40**	97404
B852S-8-24 PLTD		D	1	**7338.10**	95982
B852S-8-24 HDG		D	1	**11006.70**	97405
B852S-12-6 PLTD		D	1	**6023.00**	95983
B852S-12-6 HDG		D	1	**9034.60**	*15594
B852S-12-8 PLTD		D	1	**6324.10**	95984
B852S-12-8 HDG		D	1	**9486.10**	97411
B852S-12-10 PLTD		D	1	**6640.60**	95985
B852S-12-10 HDG		D	1	**9960.60**	97412
B852S-12-12 PLTD		D	1	**6972.40**	95986
B852S-12-12 HDG		D	1	**10458.70**	97413
B852S-12-16 PLTD		D	1	**7321.10**	95987
B852S-12-16 HDG		D	1	**10981.50**	97416
B852S-12-18 PLTD	681	D	1	**7687.20**	95988
B852S-12-18 HDG	681	D	1	**11530.60**	97417
B852S-12-24 PLTD	777	D	1	**8071.50**	95989
B852S-12-24 HDG	777	D	1	**12107.00**	97418
B852S-16-6 PLTD	521	D	1	**6293.90**	95990
B852S-16-6 HDG	521	D	1	**9425.20**	97419
B852S-16-8 PLTD	553	D	1	**6625.40**	95991
B852S-16-8 HDG	553	D	1	**9938.00**	97423
B852S-16-10 PLTD	585	D	1	**6956.70**	95992
B852S-16-10 HDG	585	D	1	**10434.80**	97421
B852S-16-12 PLTD	717	D	1	**7304.30**	95993
B852S-16-12 HDG	717	D	1	**10956.70**	97424
B852S-16-16 PLTD		D	1	**7669.60**	95994
B852S-16-16 HDG		D	1	**11504.40**	97425
B852S-16-18 PLTD		D	1	**8053.10**	95995
B852S-16-18 HDG		D	1	**12079.60**	97426
B852S-16-24 PLTD		D	1	**8455.70**	95996
B852S-16-24 HDG		D	1	**12683.70**	97429



B1071 thru B1084
ONE-PIECE PIPE CLAMP
(PIPE & CONDUIT CLAMP)

C

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B1071 PLTD (3/8 EMT)	9	C	50	**145.00**	57800
B1072 PLTD (3/8 IP, 1/2 EMT)	10	B	50	**125.70**	57804
B1073 PLTD (1/2 IP, 3/4 EMT)	11	B	50	**133.20**	57808
B1074 PLTD (3/4 IP, 1 EMT)	13	B	50	**146.00**	57812
B1075 PLTD (1 IP)	14	B	50	**154.40**	57817
B1076 PLTD (1 1/4 EMT)	15	C	50	**171.20**	57821
B1077 PLTD (1 1/4 IP, 1 1/2 EMT)	17	C	50	**193.70**	57825
B1078 PLTD (1 1/2 IP)	26	C	25	**215.30**	57829
B1079 PLTD (2 EMT)	28	B	25	**223.10**	57833
B1080 PLTD (2 IP)	30	C	25	**243.40**	57837
B1081 PLTD (2 1/2 IP, 2 1/2 EMT)	35	C	25	**264.00**	57841
B1082 PLTD (3 IP, 3 EMT)	41	C	25	**289.50**	57845
B1083 PLTD (3 1/2 IP, 3 1/2 EMT)	57	C	25	**338.20**	57849
B1084 PLTD (4 IP, 4 EMT)	63	B	25	**362.30**	57853

B1508 - B1520

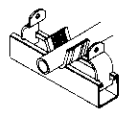
B1508S - B1564S

B1500 Series
STRUT CONDUIT CLAMPS

D

(FITS EMT AND RIGID CONDUIT UNLESS SPECIFIED OTHERWISE)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B1508 PLTD	7.4	A	100		63150
B1508S PLTD (1/2" EMT only)	8.6	A	100		63164
B1512 PLTD	8.0	A	100		63154
B1512S PLTD (1/2" Rigid, 3/4" EMT)	9.2	A	100		63168
B1516 PLTD	11.0	A	100		63157
B1516S PLTD (3/4" Rigid, 1" EMT)	12.7	A	100		63171
B1520 PLTD	12.5	B	100	**See**	63160
B1520S PLTD (1" Rigid, 1 1/4" EMT)	14.6	B	100	**Fastener**	63177
B1524S PLTD (1 1/4" Rigid, 1 1/2" EMT)	20.6	B	50	**Price List**	63182
B1532S PLTD (2" Rigid) (1 1/2" Rigid, 2" EMT)	21.6	B	50		63188
B1534S PLTD (2" Rigid only)	22.0	B	25		63193
B1540S PLTD (2 1/2")	26.0	B	25		63199
B1548S PLTD (3")	30.4	B	25		63205
B1556S PLTD (3 1/2")	33.0	B	10		63211
B1564S PLTD (4")	37.0	B	10		63215



B1999
VIBRA CUSHION
(Priced Per 100 Cartons)

B

(20 FT PER CARTON)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B1999	380	A	1	**8799.90**	58000

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
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P.O.A. - Price on application. * Denotes UPC# 782051

STRUT FITTINGS & PIPE CLAMPS

B-Line

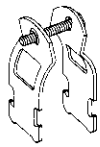
Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs. Unless Otherwise Specified)

BL1400 thru BL1490
(FORMERLY B1155 SERIES)
CONDUIT HANGER WITH HARDWARE

(FITS EMT AND RIGID CONDUIT UNLESS SPECIFIED OTHERWISE)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BL1400 PLTD (1/2)	5.5	B	100	**49.40**	57483
BL1410 PLTD (3/4)	7.0	A	100	**56.90**	57493
BL1420 PLTD (1)	8.0	A	100	**60.80**	58503
BL1425 PLTD (1 1/4 EMT ONLY)	12.5	C	100	**119.40**	57513
BL1430 PLTD (1 1/4 RIGID, 1 1/2 EMT)	12.0	B	100	**105.10**	57518
BL1440 PLTD (1 1/2 RIGID ONLY)	19.5	B	50	**149.50**	57523
BL1450 PLTD (2)	24.0	B	50	**181.60**	57533
BL1460 PLTD (2 1/2)	28.0	B	25	**237.50**	57543
BL1470 PLTD (3)	34.0	B	25	**274.10**	57553
BL1480 PLTD (3 1/2)	37.5	C	10	**352.50**	57563
BL1490 PLTD (4)	85.0	C	10	**855.70**	57573



BPC Series
BREAK-APART CONDUIT CLAMPS

(FITS EMT AND RIGID CONDUIT)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BPC-8 PLTD (1/2)	11.3	B	100		01676
BPC-12 PLTD (3/4)	12.8	B	100		01677
BPC-16 PLTD (1)	14.5	B	100		01680
BPC-20 PLTD (1 1/4)	16.6	B	50	**See**	01679
BPC-24 PLTD (1 1/2)	18.6	B	50	**Fastener**	01678
BPC-32 PLTD (2)	21.6	B	50	**Price**	01681
BPC-40 PLTD (2 1/2)	21.6	B	50	**List**	03977
BPC-48 PLTD (3)	21.6	B	50		03978
BPC-56 PLTD (3 1/2)	53.2	C	25		03979
BPC-64 PLTD (4)	53.2	B	25		03981

BVP VIBRA CLAMP SERIES FOR PIPE SIZES
(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BVP025 PLTD (1/4)	15	D	50	**514.60**	04681
BVP037 PLTD (3/8)	18	C	25	**519.20**	04682
BVP050 PLTD (1/2)	20	B	25	**549.50**	04683
BVP075 PLTD (3/4)	21	B	25	**655.70**	04685
BVP100 PLTD (1)	25	B	25	**709.50**	03386
BVP125 PLTD (1 1/4)	36	B	20	**938.90**	03387
BVP150 PLTD (1 1/2)	40	B	10	**1237.80**	03388
BVP200 PLTD (2)	45	B	10	**1754.50**	03389
BVP250 PLTD (2 1/2)	54	B	10	**2217.20**	03390
BVP300 PLTD (3)	82	B	10	**4407.30**	04686
BVP350 PLTD (3 1/2)	87	D	5	**6713.60**	04687
BVP400 PLTD (4)	109	B	5	**7193.10**	04689
BVP500 PLTD (5)	136	D	5	**8584.70**	04690
BVP600 PLTD (6)	163	D	5	**9537.90**	04691

BVT VIBRA CLAMP SERIES FOR OD SIZES
(Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BVT025 PLTD (1/4 OD)	11	A	50	**350.20**	58010
BVT037 PLTD (3/8 OD)	12	A	50	**350.20**	58015
BVT050 PLTD (1/2 OD)	14	A	50	**350.20**	58020
BVT062 PLTD (5/8 OD)	15	A	25	**359.10**	58025
BVT075 PLTD (3/4 OD)	19	A	25	**403.80**	58030
BVT087 PLTD (7/8 OD)	21	A	25	**459.20**	58035
BVT100 PLTD (1 OD)	22	B	25	**499.40**	03391
BVT112 PLTD (1 1/8 OD)	26	A	25	**531.80**	58040
BVT125 PLTD (1 1/4 OD)	36	B	25	**630.00**	04693
BVT137 PLTD (1 3/8 OD)	38	A	25	**628.90**	58045
BVT150 PLTD (1 1/2 OD)	38	B	20	**1282.40**	04694
BVT162 PLTD (1 5/8 OD)	40	A	20	**828.60**	58050
BVT175 PLTD (1 3/4 OD)	44	D	20	**1450.00**	04695
BVT187 PLTD (1 7/8 OD)	45	C	10	**1293.20**	04001
BVT200 PLTD (2 OD)	46	B	10	**2168.60**	04149
BVT212 PLTD (2 1/8 OD)	48	A	10	**1533.10**	58055
BVT225 PLTD (2 1/4 OD)	54	D	10	**1874.60**	04697
BVT250 PLTD (2 1/2 OD)	56	D	10	**1943.40**	04698
BVT262 PLTD (2 5/8 OD)	58	A	10	**1749.80**	58060
BVT300 PLTD (3 OD)	60	C	10	**2488.30**	04699
BVT312 PLTD (3 1/8 OD)	64	B	10	**2402.50**	58065
BVT362 PLTD (3 5/8 OD)	76	C	5	**3384.40**	58070
BVT412 PLTD (4 1/8 OD)	93	B	5	**4569.80**	58075
BVT612 PLTD (6 1/8 OD)	136	D	10	**9083.70**	04701

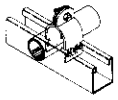
A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

CUSHIONS & CLAMPS

B-Line

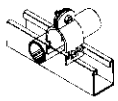
Discount Schedule Shown in Shaded Box

(Priced Per 100 Pair - Unless Specified Otherwise)



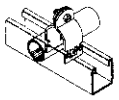
B2000 thru B2006 THINWALL (EMT) CONDUIT CLAMPS (Priced Per 100 Pair)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2000 PLTD (3/8)	10	C	100	**117.20**	60803
B2001 PLTD (1/2)	10	A	100	**92.30**	60813
B2002 PLTD (3/4)	11	A	100	**96.40**	60823
B2003 PLTD (1)	16	A	100	**110.10**	60833
B2004 PLTD (1 1/4)	19	A	50	**123.40**	60843
B2005 PLTD (1 1/2)	28	A	50	**151.40**	60853
B2006 PLTD (2)	33	A	50	**159.80**	60863



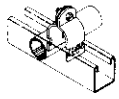
B2007 thru B2022 PIPE & RIGID CONDUIT CLAMPS

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2007 PLTD (3/8)	10	B	100	**112.00**	61003
B2008 PLTD (1/2)	11	A	100	**92.30**	61013
B2009 PLTD (3/4)	15	A	100	**96.40**	61023
B2010 PLTD (1)	16	A	100	**110.10**	61033
B2011 PLTD (1 1/4)	20	A	50	**123.40**	61043
B2012 PLTD (1 1/2)	30	A	50	**151.40**	61053
B2013 PLTD (2)	34	A	50	**159.90**	61063
B2014 PLTD (2 1/2)	38	A	50	**181.40**	61073
B2015 PLTD (3)	44	A	50	**198.30**	61083
B2016 PLTD (3 1/2)	61	A	40	**231.80**	61093
B2017 PLTD (4)	66	A	40	**259.50**	61103
B2018 PLTD (4 1/2)	70	B	40	**314.90**	61113
B2019 PLTD (5)	77	B	40	**370.00**	61123
B2020 PLTD (6)	100	A	20	**469.70**	61133
B2021 PLTD (7)	115	C	20	**558.60**	61143
B2022 PLTD (8)	128	B	20	**647.40**	61153
B2130 PLTD (10)	160	C	10	**904.00**	61163
B2132 PLTD (12)	185	C	10	**1117.70**	61173



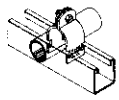
B2000 SERIES O.D. TUBING CLAMPS WITH HARDWARE

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2023 PLTD (1/4)	8	B	100	**129.40**	61303
B2024 PLTD (3/8)	8	B	100	**133.20**	61313
B2025 PLTD (1/2)	9	A	100	**129.80**	61323
B2026 PLTD (5/8)	10	B	100	**137.10**	61333
B2027 PLTD (3/4)	10	B	100	**141.90**	61343
B2028 PLTD (7/8)	11	B	100	**147.70**	61353
B2029 PLTD (1)	15	B	100	**164.90**	61363
B2030 PLTD (1 1/8)	15	B	100	**169.30**	61373
B2031 PLTD (1 1/4)	16	B	100	**172.00**	61383
B2032 PLTD (1 3/8)	17	B	100	**176.80**	61393
B2033 PLTD (1 1/2)	18	B	100	**182.60**	61403
B2034 PLTD (1 5/8)	19	B	50	**184.90**	61413
B2035 PLTD (1 3/4)	29	C	50	**248.20**	61423
B2036 PLTD (1 7/8)	30	B	50	**238.90**	61433
B2037 PLTD (2)	30	B	50	**245.20**	61443
B2038 PLTD (2 1/8)	32	B	50	**252.00**	61453
B2039 PLTD (2 1/4)	32	C	50	**273.80**	61463
B2013 PLTD (2 3/8)	34	A	50	**159.90**	61063
B2041 PLTD (2 1/2)	35	B	50	**270.10**	61483
B2042 PLTD (2 5/8)	35	B	50	**279.40**	61493
B2043 PLTD (2 3/4)	38	C	50	**299.20**	61503
B2014 PLTD (2 7/8)	38	A	50	**181.40**	61073
B2045 PLTD (3)	38	B	50	**299.00**	61523
B2046 PLTD (3 1/8)	39	B	50	**305.80**	61533
B2047 PLTD (3 1/4)	41	C	50	**326.50**	61543
B2048 PLTD (3 3/8)	43	C	50	**337.70**	61553
B2015 PLTD (3 1/2)	44	A	50	**198.30**	61083
B2050 PLTD (3 5/8)	54	C	25	**353.40**	61573
B2051 PLTD (3 3/4)	57	C	25	**370.00**	61583
B2052 PLTD (3 7/8)	55	C	25	**436.90**	61593
B2016 PLTD (4)	61	A	40	**231.80**	61093
B2054 PLTD (4 1/8)	61	B	25	**468.50**	61613



B2000 SERIES (Cont.) O.D. TUBING CLAMPS WITH HARDWARE

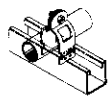
CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2055 PLTD (4 1/4)	62	B	25	**486.90**	61623
B2056 PLTD (4 3/8)	64	C	25	**526.80**	61633
B2017 PLTD (4 1/2)	66	A	40	**259.50**	61103
B2058 PLTD (4 5/8)	66	C	25	**539.70**	61653
B2059 PLTD (4 3/4)	68	C	25	**550.90**	61663
B2060 PLTD (4 7/8)	69	C	25	**561.30**	61673
B2018 PLTD (5)	70	B	40	**314.90**	61113
B2062 PLTD (5 1/8)	70	C	25	**580.70**	61693
B2063 PLTD (5 1/4)	70	C	25	**590.30**	61703
B2064 PLTD (5 3/8)	77	C	25	**599.60**	61713
B2065 PLTD (5 1/2)	78	C	25	**617.00**	61723
B2066 PLTD (5 5/8)	83	C	25	**723.20**	61728
B2067 PLTD (5 3/4)	84	C	25	**740.50**	61731
B2068 PLTD (5 7/8)	85	C	25	**751.00**	61734
B2069 PLTD (6)	87	B	20	**722.10**	61737
B2110 PLTD (6 1/8)	94	C	20	**772.40**	61740
B2111 PLTD (6 1/4)	96	C	20	**788.40**	61743
B2112 PLTD (6 3/8)	98	C	20	**794.00**	61746
B2113 PLTD (6 1/2)	99	C	20	**910.00**	61749
B2020 PLTD (6 5/8)	100	A	20	**469.70**	61133
B2115 PLTD (6 3/4)	102	C	20	**934.50**	61752
B2116 PLTD (6 7/8)	104	C	20	**946.50**	61755
B2117 PLTD (7)	106	C	20	**962.90**	61758
B2118 PLTD (7 1/8)	108	C	20	**975.20**	61761
B2119 PLTD (7 1/4)	110	C	20	**987.00**	61764
B2120 PLTD (7 3/8)	112	C	20	**1011.20**	61767
B2121 PLTD (7 1/2)	114	C	20	**1023.40**	61770
B2021 PLTD (7 5/8)	115	C	20	**558.60**	61143
B2123 PLTD (7 3/4)	117	C	20	**1052.20**	61773
B2124 PLTD (7 7/8)	119	C	20	**1064.10**	61776
B2125 PLTD (8)	121	C	10	**1078.90**	61779
B2126 PLTD (8 1/8)	123	C	10	**1093.30**	61782
B2127 PLTD (8 1/4)	125	C	10	**1107.50**	61785
B2128 PLTD (8 3/8)	126	C	10	**1141.50**	61788
B2129 PLTD (8 1/2)	128	C	10	**1155.60**	61792
B2022 PLTD (8 5/8)	128	B	10	**647.40**	61153



COPPER TUBING CLAMPS (FOR L & K) WITH HARDWARE B2000 SERIES

DURA COPPER FINISH (Sizes shown for nominal copper tubing)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2024 DCU (1/4)	8	C	100	**165.80**	61314
B2025 DCU (3/8)	9	B	100	**161.40**	61324
B2026 DCU (1/2)	10	A	100	**156.70**	61334
B2028 DCU (3/4)	11	A	100	**166.90**	61354
B2030 DCU (1)	15	A	100	**191.00**	61374
B2032 DCU (1 1/4)	17	B	100	**230.80**	61394
B2034 DCU (1 1/2)	19	B	50	**240.70**	61414
B2038 DCU (2)	32	B	50	**327.90**	61454
B2042 DCU (2 1/2)	35	B	50	**364.50**	61494
B2046 DCU (3)	39	B	50	**398.60**	61534
B2050 DCU (3 1/2)	54	C	50	**509.30**	61574
B2054 DCU (4)	61	C	50	**520.30**	61614
B2062 DCU (5)	70	C	50	**764.10**	61694



B2207 thru B2213 MULTI-GRIP PIPE & CONDUIT CLAMPS WITH HARDWARE

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2207 PLTD (3/8)	9	C	100	**117.20**	60403
B2208 PLTD (1/2)	11	A	100	**92.30**	60413
B2209 PLTD (3/4)	12	A	100	**96.40**	60423
B2210 PLTD (1)	13	A	100	**110.10**	60433
B2211 PLTD (1 1/4)	15	A	100	**123.40**	60443
B2212 PLTD (1 1/2)	23	A	50	**151.60**	60453
B2213 PLTD (2)	26	A	50	**159.80**	60463

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

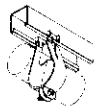
PIPE & CONDUIT CLAMPS

B-Line

Discount Schedule Shown in Shaded Box

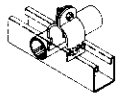
(Priced Per 100 Pair - Unless Specified Otherwise)

B2070 thru B2080 PARALLEL PIPE CLAMPS WITH HARDWARE



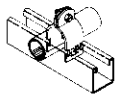
CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2070 PLTD (3/8)	24	B	50	**594.80**	62203
B2071 PLTD (1/2)	26	B	50	**538.10**	62213
B2072 PLTD (3/4)	30	B	50	**533.30**	62223
B2073 PLTD (1)	33	B	50	**551.20**	62233
B2074 PLTD (1 1/4)	36	C	50	**646.20**	62243
B2075 PLTD (1 1/2)	50	C	50	**742.10**	62253
B2076 PLTD (2)	55	B	25	**778.40**	62263
B2077 PLTD (2 1/2)	60	C	25	**905.30**	62273
B2078 PLTD (3)	66	C	25	**956.10**	62283
B2079 PLTD (3 1/2)	85	C	25	**1012.20**	57653
B2080 PLTD (4)	95	C	25	**1118.30**	57663

PRE-ASSEMBLED THINWALL (EMT) CONDUIT CLAMP



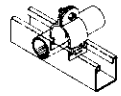
CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2000PA PLTD (3/8)	10	C	100	**124.00**	60804
B2001PA PLTD (1/2)	10	A	100	**97.80**	60814
B2002PA PLTD (3/4)	11	A	100	**100.30**	60824
B2003PA PLTD (1)	16	A	100	**115.00**	60834
B2004PA PLTD (1 1/4)	19	B	50	**135.30**	60844
B2005PA PLTD (1 1/2)	28	B	50	**164.70**	60854
B2006PA PLTD (2)	33	B	50	**175.70**	60864

PRE-ASSEMBLED PIPE & RIGID CONDUIT CLAMP



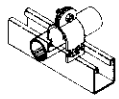
CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2007PA PLTD (3/8)	10	C	100	**124.00**	61004
B2008PA PLTD (1/2)	11	B	100	**102.30**	61014
B2009PA PLTD (3/4)	15	A	100	**100.30**	61024
B2010PA PLTD (1)	16	A	100	**115.00**	61034
B2011PA PLTD (1 1/4)	20	B	50	**135.30**	61044
B2012PA PLTD (1 1/2)	30	A	50	**157.60**	61054
B2013PA PLTD (2)	34	A	50	**168.10**	61064
B2014PA PLTD (2 1/2)	38	A	50	**188.90**	61074
B2015PA PLTD (3)	44	A	50	**207.00**	61084
B2016PA PLTD (3 1/2)	61	B	40	**254.50**	61094
B2017PA PLTD (4)	66	A	40	**269.80**	61104
B2018PA PLTD (4 1/2)	70	C	40	**354.50**	61114
B2019PA PLTD (5)	77	B	40	**371.80**	61124
B2020PA PLTD (6)	100	B	20	**490.30**	61134
B2021PA PLTD (7)	115	C	20	**570.70**	61144
B2022PA PLTD (8)	128	C	10	**705.40**	61154

PRE-ASSEMBLED OD TUBING CLAMPS



CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2023PA PLTD (1/4)	8	C	100	**148.80**	61304
B2024PA PLTD (3/8)	8	C	100	**149.60**	61315
B2025PA PLTD (1/2)	9	B	100	**145.20**	61325
B2026PA PLTD (5/8)	10	B	100	**146.50**	61335
B2027PA PLTD (3/4)	10	C	100	**160.30**	61345
B2028PA PLTD (7/8)	11	B	100	**156.90**	61355
B2029PA PLTD (1)	15	C	100	**181.90**	61365
B2030PA PLTD (1 1/8)	15	B	100	**178.60**	61375
B2031PA PLTD (1 1/4)	16	C	100	**191.30**	61385
B2032PA PLTD (1 3/8)	17	C	100	**194.90**	61395
B2033PA PLTD (1 1/2)	18	C	100	**201.10**	61405
B2034PA PLTD (1 5/8)	19	C	50	**205.30**	61415
B2035PA PLTD (1 3/4)	29	C	50	**260.40**	61425
B2036PA PLTD (1 7/8)	30	C	50	**262.60**	61435
B2037PA PLTD (2)	30	C	50	**271.00**	61445
B2038PA PLTD (2 1/8)	32	C	50	**273.40**	61455
B2039PA PLTD (2 1/4)	32	C	50	**284.30**	61465
B2013PA PLTD (2 3/8)	34	A	50	**168.10**	61064
B2041PA PLTD (2 1/2)	35	C	50	**296.30**	61485
B2042PA PLTD (2 5/8)	35	C	50	**301.90**	61495
B2043PA PLTD (2 3/4)	38	C	50	**311.10**	61505
B2014PA PLTD (2 7/8)	38	A	50	**188.90**	61074
B2045PA PLTD (3)	38	C	50	**327.50**	61525
B2046PA PLTD (3 1/8)	39	C	50	**332.50**	61535
B2047PA PLTD (3 1/4)	41	C	50	**338.20**	61545
B2048PA PLTD (3 3/8)	43	C	50	**349.30**	61555
B2015PA PLTD (3 1/2)	44	A	50	**207.00**	61084
B2050PA PLTD (3 5/8)	54	C	25	**363.10**	61575
B2051PA PLTD (3 3/4)	57	C	25	**378.20**	61585
B2052PA PLTD (3 7/8)	55	C	25	**447.90**	61595
B2016PA PLTD (4)	61	B	40	**254.50**	61094
B2054PA PLTD (4 1/8)	61	C	25	**505.40**	61615
B2055PA PLTD (4 1/4)	62	C	25	**521.40**	61625
B2056PA PLTD (4 3/8)	64	C	25	**539.70**	61635
B2017PA PLTD (4 1/2)	66	A	40	**269.80**	61104
B2058PA PLTD (4 5/8)	66	C	25	**553.30**	61655
B2059PA PLTD (4 3/4)	68	C	25	**564.90**	61665
B2060PA PLTD (4 7/8)	69	C	25	**572.90**	61675
B2018PA PLTD (5)	70	C	40	**354.50**	61114
B2062PA PLTD (5 1/8)	70	C	25	**591.60**	61695

PRE-ASSEMBLED COPPER TUBING CLAMPS



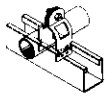
DURA COPPER FINISH (Sizes shown for nominal L & K tubing)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2024PA DCU (1/4)	8	C	100	**176.50**	61317
B2025PA DCU (3/8)	9	C	100	**179.70**	61327
B2026PA DCU (1/2)	10	B	100	**172.60**	61337
B2028PA DCU (3/4)	11	B	100	**184.70**	61357
B2030PA DCU (1)	15	B	100	**230.10**	61377
B2032PA DCU (1 1/4)	17	B	100	**242.70**	61397
B2034PA DCU (1 1/2)	19	B	50	**253.00**	61417
B2038PA DCU (2)	32	B	50	**341.00**	61457
B2042PA DCU (2 1/2)	35	C	50	**394.80**	61497
B2046PA DCU (3)	39	D	50	**432.30**	61537
B2050PA DCU (3 1/2)	54	C	25	**520.30**	61577
B2054PA DCU (4)	61	C	25	**612.20**	61617
B2062PA DCU (5)	70	C	25	**782.80**	61696

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

Discount Schedule Shown In Shaded Box

(Priced Per 100 Pair - Unless Specified Otherwise)



PRE-ASSEMBLED MULTI-GRIP CONDUIT CLAMPS

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2207PA PLTD (3/8)	9	C	100	**124.00**	60404
B2208PA PLTD (1/2)	11	A	100	**97.80**	60414
B2209PA PLTD (3/4)	12	A	100	**100.30**	60424
B2210PA PLTD (1)	13	A	100	**115.00**	60434
B2211PA PLTD (1 1/4)	15	A	100	**129.60**	60444
B2212PA PLTD (1 1/2)	23	A	50	**157.60**	60544
B2213PA PLTD (2)	26	A	50	**168.10**	60464

B2084 thru B2091 ONE HOLE OD TUBING CLAMPS (Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2084 PLTD (1/4)	4.0	B	100	**120.30**	61803
B2085 PLTD (5/16)	4.2	C	100	**132.80**	61813
B2086 PLTD (3/8)	5.2	B	100	**129.40**	61823
B2087 PLTD (1/2)	5.8	B	100	**137.60**	61833
B2088 PLTD (5/8)	7.1	C	100	**169.00**	61843
B2089 PLTD (3/4)	7.7	C	100	**177.00**	61853
B2090 PLTD (7/8)	8.7	C	100	**185.90**	61863
B2091 PLTD (1)	10.0	C	100	**195.70**	61873

B2301 (SERIES) 1-HOLE EMT STRAPS (Priced Per 100 Pcs.)

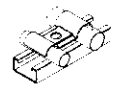
CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2301-1/2 PLTD	2.5	C	100	**17.00**	76010
B2301-3/4 PLTD	3.6	C	100	**18.70**	76020
B2301-1 PLTD	4.5	C	100	**35.00**	76030
B2301-1 1/4 PLTD	10.5	C	100	**71.30**	76040
B2301-1 1/2 PLTD	17.0	C	100	**103.60**	76050
B2301-2 PLTD	20.0	C	100	**146.50**	76060

B2302 (SERIES) 1-HOLE RIGID CONDUIT CLAMPS (Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2302-1/4 PLTD	2.5	C	100	**15.80**	76070
B2302-3/8 PLTD	2.6	C	100	**15.80**	76080
B2302-1/2 PLTD	3.5	C	100	**24.70**	76090
B2302-3/4 PLTD	5.8	C	100	**39.00**	76100
B2302-1 PLTD	6.6	C	100	**43.60**	76110
B2302-1 1/4 PLTD	11.6	C	100	**83.30**	76120
B2302-1 1/2 PLTD	18.2	C	50	**109.80**	76130
B2302-2 PLTD	23.1	C	25	**166.10**	76140
B2302-2 1/2 PLTD	66.0	C	10	**407.20**	76150
B2302-3 PLTD	75.0	C	10	**560.20**	76160
B2302-3 1/2 PLTD	87.0	D	10	**886.50**	76170
B2302-4 PLTD	127.0	C	10	**915.60**	76180

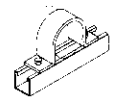
B2308 thru B2315 1-HOLE TUBING STRAP FOR B62 & B72 (Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2308 PLTD (1/4" OD)	1.2	C	100	**122.20**	76400
B2309 PLTD (5/16" OD)	1.4	D	100	**126.70**	76403
B2310 PLTD (3/8" OD)	1.6	C	100	**123.60**	76406
B2311 PLTD (1/2" OD)	1.9	C	100	**127.00**	76409
B2312 PLTD (5/8" OD)	2.7	D	100	**134.40**	76412
B2313 PLTD (3/4" OD)	4.3	C	100	**133.20**	76415
B2314 PLTD (7/8" OD)	4.9	D	100	**141.90**	76418
B2315 PLTD (1" OD)	5.2	C	100	**139.20**	76421



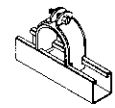
B2350 thru B2355 1-HOLE DOUBLE TUBING STRAPS FOR B62 & B72 (Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2350 PLTD (1/4" OD, 1/4" OD)	1.2	C	100	**151.60**	76600
B2351 PLTD (3/8" OD, 3/8" OD)	2.0	C	100	**153.90**	76603
B2352 PLTD (1/2" OD, 1/2" OD)	2.9	C	100	**156.30**	76606
B2353 PLTD (1/4" OD, 3/8" OD)	1.6	C	100	**153.90**	76609
B2354 PLTD (1/4" OD, 1/2" OD)	2.1	D	100	**159.70**	76612
B2355 PLTD (3/8" OD, 1/2" OD)	2.5	D	100	**162.10**	76615



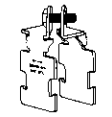
B2400 (SERIES) STANDARD PIPE STRAP (Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2400-1/2 PLTD	23	B	50	**354.40**	63003
B2400-3/4 PLTD	26	B	50	**369.60**	63013
B2400-1 PLTD	31	B	50	**391.20**	63023
B2400-1 1/4 PLTD	36	C	35	**428.60**	63033
B2400-1 1/2 PLTD	39	B	30	**418.20**	63043
B2400-2 PLTD	93	B	15	**657.80**	63053
B2400-2 1/2 PLTD	106	B	20	**708.30**	63063
B2400-3 PLTD	132	B	10	**769.10**	63073
B2400-3 1/2 PLTD	151	C	10	**864.80**	63083
B2400-4 PLTD	160	B	10	**868.80**	63093
B2400-5 PLTD	192	C	6	**1279.40**	63103
B2400-6 PLTD	219	B	15	**1321.20**	63113
B2400-8 PLTD	297	B	1	**1575.00**	63123



B2417 (SERIES) STANDARD PIPE GUIDES (Priced Per 100 Pcs.)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2417-1/2 PLTD	23	C	50	**309.90**	60348
B2417-3/4 PLTD	25	C	50	**333.50**	60349
B2417-1 PLTD	26	C	50	**360.70**	60350
B2417-1 1/4 PLTD	36	C	50	**420.40**	60351
B2417-1 1/2 PLTD	42	C	25	**445.50**	60352
B2417-2 PLTD	54	C	25	**463.80**	60353
B2417-2 1/2 PLTD	72	C	25	**543.50**	60354
B2417-3 PLTD	85	C	10	**619.80**	60355
B2417-3 1/2 PLTD	102	C	10	**654.20**	60356
B2417-4 PLTD	113	C	10	**688.40**	60357



B2601 thru B2603 TWIST EAR CLAMPS FOR EMT CONDUIT

B2608 thru B2610 TWIST EAR CLAMPS FOR RIGID CONDUIT

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B2601 (1/2) PLTD	8.2	A	50	**92.30**	04355
B2602 (3/4) PLTD	13.5	A	50	**96.40**	04356
B2603 (1) PLTD	15.6	A	50	**110.10**	04357
B2608 (1/2) PLTD	8.2	A	50	**92.30**	02643
B2609 (3/4) PLTD	13.5	A	50	**96.40**	01656
B2610 (1) PLTD	15.6	A	50	**110.10**	02644

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
Hot-dip galvanized (after fabrication), aluminum, stainless steel, and PVC prices and availability on request - consult local representative.
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P.O.A. - Price on application.

(Priced Per 100 Pcs.)

B3033
WIDE JAW WEDGE C-CLAMP

CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3033-3/8 PLTD	54	A	50	**435.20**	70500
B3033-1/2 PLTD	51	A	50	**576.40**	70510
B3033-5/8 PLTD	70	A	25	**833.80**	70520
B3033-3/4 PLTD	98	A	25	**1079.80**	70530

B3034
WEDGE C-CLAMP

CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3034-3/8 PLTD	30	A	50	**308.50**	70540
B3034-1/2 PLTD	47	A	50	**364.40**	70550

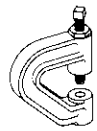
B3036
MALLEABLE IRON "C" CLAMP

CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3036-3/8 PLTD	28	A	50	**308.50**	70560
B3036-1/2 PLTD	27	B	50	**374.80**	70580
B3036-5/8 PLTD	53	C	50	**610.30**	70600
B3036-3/4 PLTD	67	C	50	**853.90**	70620

B3036L
MALLEABLE IRON "C" CLAMP WITH LOCKNUT

CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3036L-3/8 PLTD	29	A	50	**378.90**	70570
B3036L-1/2 PLTD	28	A	50	**467.80**	70590
B3036L-5/8 PLTD	55	B	50	**826.40**	70610
B3036L-3/4 PLTD	72	B	50	**1202.90**	70630

B3037
Z-PURLIN C-CLAMP
For 3/8 ROD



CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3037 PLTD	90.0	B	25	**1758.60**	03627

B3174 (SERIES)
ADJUSTABLE BAND HANGER

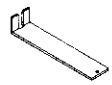
CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3174-1/2 -R3/8 GALV	12	B	50	**125.30**	70694
B3174-3/4 -R3/8 GALV	12	A	50	**120.00**	70696
B3174-1 -R3/8 GALV	13	A	50	**124.90**	70698
B3174-1 1/4 -R3/8 GALV	13	B	50	**131.30**	70700
B3174-1 1/2 -R3/8 GALV	14	A	50	**133.80**	70702
B3174-2 -R3/8 GALV	18	A	50	**144.00**	70704
B3174-2 1/2 -R3/8 GALV	27	B	50	**264.30**	70706
B3174-3 -R3/8 GALV	30	A	50	**250.90**	70712
B3174-3 1/2 -R3/8 GALV	32	C	25	**323.70**	70716
B3174-4 -R3/8 GALV	50	A	10	**329.50**	70722

B3322 thru B3352
"Y" TYPE END CAPS

CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3322 PLAIN	15	C	50	**137.80**	70888
B3322 GRN	15	C	50	**153.60**	70889
B3322 PLTD	15	C	50	**153.60**	70890
B3332 PLAIN	15	C	50	**132.60**	70898
B3332 GRN	15	C	50	**135.00**	70899
B3332 PLTD	15	C	50	**135.00**	70900
B3342 PLAIN	15	D	50	**138.70**	70908
B3342 GRN	15	D	50	**156.10**	70909
B3342 PLTD	15	D	50	**156.10**	70910
B3352 PLAIN	15	D	50	**133.60**	70918
B3352 GRN	15	C	50	**145.40**	70919
B3352 PLTD	15	C	50	**145.40**	70920

B3362
RETAINING STRAP

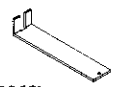
(FOR B351-3/8 & 1/2 USE B3362)



CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3362-6 PLTD	27	C	50	**188.10**	70925
B3362-8 PLTD	35	A	50	**196.80**	70930
B3362-10 PLTD	44	B	50	**230.40**	70940
B3362-12 PLTD	52	B	25	**319.50**	70945

B3363
RETAINING STRAP

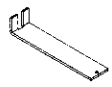
(FOR B351-5/8 & 3/4 --B3036-3/8, 1/2, & 5/8 USE B3363)



CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3363-6 PLTD	26	C	50	**188.10**	70970
B3363-8 PLTD	35	C	50	**214.90**	70975
B3363-10 PLTD	43	C	50	**268.80**	70980
B3363-12 PLTD	52	C	25	**337.10**	70985

B3364
RETAINING STRAP

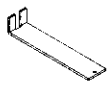
(FOR B3036-3/4 USE B3364)



CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3364-6 PLTD	26	C	50	**189.90**	71030
B3364-8 PLTD	35	D	50	**222.90**	71035
B3364-10 PLTD	43	C	50	**271.40**	71040
B3364-12 PLTD	52	D	25	**352.80**	71045

B3365
RETAINING STRAP

(FOR B351-7/8 USE B3365)



CATALOG PART NO.	WT. PER C CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B3365-6 PLTD	32	D	50	**196.90**	71070
B3365-8 PLTD	42	C	50	**217.10**	71075
B3365-10 PLTD	52	D	50	**281.40**	71080
B3365-12 PLTD	62	D	25	**352.80**	71085

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P.O.A. - Price on application.

RISER CLAMP & PIPE HANGERS

B-Line

Placement Schedule Shown in Shaded Box

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Pcs.)

B3373 (SERIES)
RISER CLAMP

Part Listed By Pipe Size

B3373-1/2 PLAIN	136	B	25	**486.90**	72000
B3373-1/2 PLTD	136	C	25	**745.20**	72001
B3373-3/4 PLAIN	139	A	25	**461.70**	72010
B3373-3/4 PLTD	139	A	25	**675.80**	72011
B3373-1 PLAIN	144	A	25	**465.60**	72020
B3373-1 PLTD	144	B	25	**718.20**	72021
B3373-1 1/4 PLAIN	191	A	25	**553.00**	72030
B3373-1 1/4 PLTD	191	B	25	**845.20**	72031
B3373-1 1/2 PLAIN	195	A	25	**562.50**	72040
B3373-1 1/2 PLTD	195	A	25	**823.10**	72041
B3373-2 PLAIN	219	A	25	**585.80**	72050
B3373-2 PLTD	219	A	25	**849.30**	72051
B3373-2 1/2 PLAIN	223	A	20	**620.80**	72060
B3373-2 1/2 PLTD	223	B	20	**1028.20**	72061
B3373-3 PLAIN	238	A	20	**688.90**	72070
B3373-3 PLTD	238	A	20	**1080.30**	72071
B3373-3 1/2 PLAIN	320	C	5	**951.60**	72080
B3373-3 1/2 PLTD	320	C	5	**1505.10**	72081
B3373-4 PLAIN	328	A	5	**901.90**	72090
B3373-4 PLTD	328	A	5	**1421.20**	72091
B3373-5 PLAIN	471	A	5	**1329.00**	72100
B3373-5 PLTD	471	B	5	**2213.20**	72101
B3373-6 PLAIN	518	A	5	**1532.40**	72110
B3373-6 PLTD	518	A	5	**2379.50**	72111
B3373-8 PLAIN	950	A	5	**2473.00**	72120
B3373-8 PLTD	950	A	5	**4065.20**	72121

B3690
ADJUSTABLE "J" HANGER

B3690-1/2 PLTD	20	B	50	**211.30**	56800
B3690-3/4 PLTD	23	A	50	**211.90**	56804
B3690-1 PLTD	24	A	50	**245.10**	56808
B3690-1 1/4 PLTD	27	A	50	**251.80**	56812
B3690-1 1/2 PLTD	29	A	50	**290.60**	56816
B3690-2 PLTD	32	A	50	**297.70**	56820
B3690-2 1/2 PLTD	71	A	25	**509.30**	56824
B3690-3 PLTD	77	A	20	**564.40**	56828
B3690-3 1/2 PLTD	84	A	20	**707.10**	56832
B3690-4 PLTD	139	A	15	**728.90**	56836
B3690-5 PLTD	166	A	1	**1109.30**	56840
B3690-6 PLTD	226	A	1	**1210.30**	56844
B3690-8 PLTD	332	A	1	**1718.60**	56848

B3690F
FELT-LINED ADJUSTABLE "J" HANGER

B3690F-1/2 PLTD	21	B	50	**322.20**	56801
B3690F-3/4 PLTD	24	A	50	**315.30**	56805
B3690F-1 PLTD	25	A	50	**387.30**	56809
B3690F-1 1/4 PLTD	28	B	50	**416.30**	56813
B3690F-1 1/2 PLTD	29	A	50	**449.00**	56817
B3690F-2 PLTD	33	A	50	**456.30**	56821
B3690F-2 1/2 PLTD	73	B	25	**754.90**	56825
B3690F-3 PLTD	79	A	20	**783.10**	56829
B3690F-3 1/2 PLTD	86	C	20	**967.70**	56833
B3690F-4 PLTD	142	A	15	**925.80**	56837
B3690F-5 PLTD	169	C	1	**1546.80**	56841
B3690F-6 PLTD	229	C	1	**1695.20**	56845
B3690F-8 PLTD	335	A	1	**2354.30**	56849

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MAPLE & PORCELAIN CABLE CLAMPS & SADDLES

B-Line

(Priced As Shown On Each Item)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
B4000 THRU B4007 MAPLE CABLE CLAMP (Priced Per 100 Pair) (SPECIFY HOLE DIAMETER)					
B4000	24	C	1	**P.O.A.**	64000
B4001	44	C	1	**P.O.A.**	64010
B4002	58	C	1	**P.O.A.**	64020
B4003	66	C	1	**P.O.A.**	64030
B4004	86	C	1	**P.O.A.**	64040
B4005	110	C	1	**P.O.A.**	64050
B4006	125	B	1	**P.O.A.**	64060
B4007	165	C	1	**P.O.A.**	64070
B4008 THRU B4014 SQUARE MAPLE CABLE SADDLE (Priced Per 100 Pcs.) (SPECIFY HOLE DIAMETER)					
B4008	35	C	1	**P.O.A.**	64210
B4009	42	D	1	**P.O.A.**	64220
B4010	53	C	1	**P.O.A.**	64230
B4011	62	D	1	**P.O.A.**	64240
B4012	76	C	1	**P.O.A.**	64250
B4013	85	D	1	**P.O.A.**	64260
B4014	95	D	1	**P.O.A.**	64270
B4033 (SERIES) MAPLE CABLE CLAMP (Priced Per 100 Pair) (SPECIFY HOLE DIAMETER)					
B4033A	85	C	1	**P.O.A.**	65010
B4033B	95	C	1	**P.O.A.**	65020
B4033C	118	C	1	**P.O.A.**	65030
B4033D	162	B	1	**P.O.A.**	65040
B4033E	187	D	1	**P.O.A.**	65050
B4033F	209	C	1	**P.O.A.**	65060
B4033G	248	C	1	**P.O.A.**	64070
B4035 (SERIES) BUS BAR MAPLE CLAMPS (Priced Per 100 Pair) (SPECIFY HOLE DIAMETER)					
B4035A	416	C	1	**P.O.A.**	65200
B4035B	447	D	1	**P.O.A.**	65210
B4035C	479	D	1	**P.O.A.**	65220
B4035D	511	D	1	**P.O.A.**	65230
B4035E	542	D	1	**P.O.A.**	65240
B4035F	574	D	1	**P.O.A.**	65250
B4037 BUS BAR SEPARATOR (Priced Per 100 Pcs.)					
B4037B	9	D	1	**P.O.A.**	65300
B4050 & B4051 PORCELAIN CABLE CHANNEL SADDLE (Priced Per 100 Pcs.)					
B4050 (3" & UNDER)	72	B	18	**657.30**	65510
B4051 (3" TO 5")	100	B	12	**721.60**	65520
B4060 THRU B4093 PORCELAIN CABLE CLAMPS (Priced Per 100 Pair) (INCLUDES CLAMP AND EVERDUR HARDWARE)					
B4060 (3/8)	93	C	16	**1402.90**	65810
B4061 (1/2)	90	C	16	**1402.90**	65820
B4062 (5/8)	88	B	16	**1341.50**	65830
B4063 (3/4)	86	C	16	**1836.90**	65840
B4064 (7/8)	84	C	16	**1836.90**	65850
B4065 (1)	80	B	16	**1740.40**	65860
B4066 (1 1/8)	78	B	16	**1740.40**	65870
B4067 (1 1/4)	116	B	16	**2275.20**	65880
B4068 (1 3/8)	111	B	16	**2296.60**	65890
B4069 (1 1/2)	106	B	16	**2296.60**	65900
B4070 (1 5/8)	103	C	16	**2378.80**	65910
B4071 (1 3/4)	212	C	6	**2988.80**	65920
B4072 (1 7/8)	204	C	6	**3017.10**	65930
B4073 (2)	200	C	6	**3017.10**	65940
B4074 (2 1/8)	198	B	6	**2885.50**	65950
B4075 (2 1/4)	268	C	6	**3742.00**	65960
B4076 (2 3/8)	261	C	6	**3777.30**	65970
B4077 (2 1/2)	251	B	6	**3612.60**	65980
B4078 (2 5/8)	242	C	6	**3742.00**	65990
B4079 (2 3/4)	267	D	6	**4508.20**	66000
B4080 (2 7/8)	256	C	6	**4347.20**	66010
B4081 (3)	248	C	6	**4347.20**	66020
B4082 (3 1/8)	245	C	6	**4347.20**	66030
B4083 (3 1/4)	447	C	3	**4985.60**	66040
B4084 (3 3/8)	430	C	3	**4939.00**	66050
B4085 (3 1/2)	426	B	3	**4768.40**	66060
B4086 (3 5/8)	410	C	3	**4985.60**	66070
B4087 (3 3/4)	628	D	2	**5754.10**	66080
B4088 (3 7/8)	620	D	2	**5862.70**	66090
B4089 (4)	596	B	2	**5306.90**	66100
B4090 (4 1/8)	588	D	2	**5862.70**	66110
B4091 (4 1/4)	582	C	2	**5909.50**	66120
B4092 (4 3/8)	578	D	2	**6128.40**	66130
B4093 (4 1/2)	573	A	2	**5311.20**	66140
B4094 & B4095 PORCELAIN CABLE RACK SADDLE (Priced Per 100 Pcs.)					
B4094 (3" & UNDER)	67	B	12	**1770.90**	65530
B4095 (3" TO 5")	106	B	8	**2057.20**	65540

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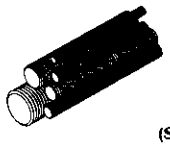
P.O.A. - Price on application.

THREADED ROD

B-Line

Discount Schedule Shown in Shaded Box



ATR
ALL THREADED ROD (SERIES)

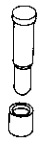
(STOCK LENGTHS 72", 120", AND 144")

(Priced Per 100 Ft.)

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
1/4"-20 PLAIN 72"	12	C	300	**40.50**	69011
1/4"-20 PLTD 72"	12	A	300	**47.60**	69013
1/4"-20 PLAIN 120"	12	C	500	**40.50**	69014
1/4"-20 PLTD 120"	12	A	500	**47.60**	69015
1/4"-20 PLAIN 144"	12	C	600	**40.50**	69016
1/4"-20 PLTD 144"	12	A	600	**47.60**	69017
5/16"-18 PLAIN 72"	19	C	210	**62.30**	69021
5/16"-18 PLTD 72"	19	C	210	**81.10**	69023
5/16"-18 PLAIN 120"	19	C	350	**62.30**	69024
5/16"-18 PLTD 120"	19	C	350	**81.10**	69025
5/16"-18 PLAIN 144"	19	C	420	**62.30**	69026
5/16"-18 PLTD 144"	19	C	420	**81.10**	69027
3/8"-16 PLAIN 72"	29	B	120	**64.80**	69031
3/8"-16 PLTD 72"	29	A	120	**80.00**	69033
3/8"-16 PLAIN 120"	29	B	200	**64.80**	69034
3/8"-16 PLTD 120"	29	A	200	**80.00**	69035
3/8"-16 PLAIN 144"	29	B	240	**64.80**	69036
3/8"-16 PLTD 144"	29	A	240	**80.00**	69037
1/2"-13 PLAIN 72"	53	A	72	**93.90**	69041
1/2"-13 PLTD 72"	53	A	72	**143.50**	69043
1/2"-13 PLAIN 120"	53	A	120	**93.90**	69044
1/2"-13 PLTD 120"	53	A	120	**143.50**	69045
1/2"-13 PLAIN 144"	53	A	144	**93.90**	69046
1/2"-13 PLTD 144"	53	A	144	**143.50**	69047
5/8"-11 PLAIN 72"	89	B	48	**172.80**	69051
5/8"-11 PLTD 72"	89	B	48	**231.90**	69053
5/8"-11 PLAIN 120"	89	B	80	**172.80**	69054
5/8"-11 PLTD 120"	89	B	80	**231.90**	69055
5/8"-11 PLAIN 144"	89	B	96	**172.80**	69056
5/8"-11 PLTD 144"	89	B	96	**231.90**	69057
3/4"-10 PLAIN 72"	123	C	30	**247.80**	69061
3/4"-10 PLTD 72"	123	C	30	**361.20**	69063
3/4"-10 PLAIN 120"	123	C	50	**247.80**	69064
3/4"-10 PLTD 120"	123	C	50	**361.20**	69065
3/4"-10 PLAIN 144"	123	C	60	**247.80**	69066
3/4"-10 PLTD 144"	123	C	60	**361.20**	69067
7/8"-9 PLAIN 72"	170	C	18	**350.50**	69071
7/8"-9 PLTD 72"	170	C	18	**485.80**	69073
7/8"-9 PLAIN 120"	170	C	30	**350.50**	69074
7/8"-9 PLTD 120"	170	C	30	**485.80**	69075
7/8"-9 PLAIN 144"	170	C	36	**350.50**	69076
7/8"-9 PLTD 144"	170	C	36	**485.80**	69077
1"-8 PLAIN 72"	225	C	12	**499.20**	69081
1"-8 PLTD 72"	225	C	12	**666.20**	69083
1"-8 PLAIN 120"	225	C	20	**499.20**	69084
1"-8 PLTD 120"	225	C	20	**666.20**	69085
1"-8 PLAIN 144"	225	C	24	**499.20**	69086
1"-8 PLTD 144"	225	C	24	**666.20**	69087

GREEN AEROSAL TOUCH-UP
(12 FL. OZ. AERSOL CAN)
(Priced Per Each)

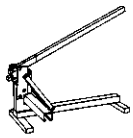
CATALOG PART NO.	WT. PER PIECE	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
GRN #940 674A	.8	A	1	**27.20**	86000



DIE BLOCK
FOR STRUT
HOLE PUNCH

DIE BLOCK ONLY **(Priced Per Pc.)**

B96HP-0.562D 9/16"	.5	B	1	**146.90**	95010
B96HP-0.438D 7/16"	.5	B	1	**146.90**	95020
B96HP-0.281D 9/32"	.5	B	1	**146.90**	95030



PUNCH & DIE BLOCK ASSEMBLY
(Priced Per Pc.)

B96HP-0.562 GRN	24.5	B	1	**584.90**	95040
B96HP-0.438 GRN	24.5	B	1	**584.90**	95050
B96HP-0.281 GRN	24.5	B	1	**584.90**	95060

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SLOTTED ANGLE & ACCESSORIES

B-Line

Discount Schedule Shown in Shaded Box

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
(Priced Per 100 Ft.) Hardware Included					
SA158 SLOTTED ANGLE (Sold in Standard Bundles Only)					
SA158-120 GRN	66	A	100	**153.00**	80010
SA158-120 PLTD	66	A	100	**160.60**	80012
SA158-144 GRN	66	A	120	**153.00**	80017
SA158-144 PLTD	66	A	120	**160.60**	80019
SA276 SLOTTED ANGLE (Sold in Standard Bundles Only)					
SA276-120 GRN	78	A	100	**176.80**	80020
SA276-120 PLTD	78	A	100	**198.30**	80022
SA276-144 GRN	78	A	120	**176.80**	80027
SA276-144 PLTD	78	A	120	**198.30**	80029
SA318 SLOTTED ANGLE (Sold in Standard Bundles Only)					
SA318-120 GRN	132	B	100	**261.30**	80030
SA318-120 PLTD	132	A	100	**262.50**	80032
SA318-144 GRN	132	B	120	**261.30**	80037
SA318-144 PLTD	132	A	120	**262.50**	80039
SA131-120 SLOTTED STRAP (Priced Per 100 Ft.)					
SA131-120 GRN	28	C	100	**73.30**	80051
SA131-120 GALV	28	C	100	**77.70**	80052

CATALOG PART NO.	WT. PER CPCS	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
(Priced Per 100 Pcs. Unless Specified Otherwise)					
SA101 CONNECTION PLATE					
SA101 GRN	67	C	25	**527.60**	86010
SA102 ANGLE BRACE					
SA102 GRN	15	C	100	**109.40**	86020
HEX HEAD CAP SCREW					
3/8 x 3/4 HHCS	3.4	A	100	**22.70**	41533
3/8 TWIN FACE SERRATED HEX NUT					
3/8 TWIN FACE SERRATED HEX NUT	1.5	A	100	**14.60**	86040
SA110 SLOTTED ANGLE CUTTER (Priced Per Pc.)					
SA110 RED	16	C	1	**644.20**	89010
SA154 RIGID CASTER (Priced Per Pc.)					
SA154 PLTD	2.0	C	4	**51.90**	89020
SA155 SWIVEL CASTER (Priced Per Pc.)					
SA155 PLTD	2.2	C	4	**67.50**	89030

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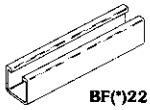
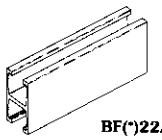
FIBERGLASS CHANNEL & HARDWARE

B-Line

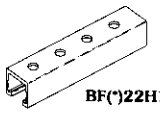
Channels (Priced Per 100 Ft.) - Hardware & Fittings (Priced Per 100 Pcs.)



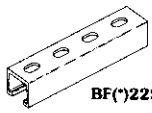
BF(*)22 CHANNEL



BF(*)22A CHANNEL



BF(*)22H17/8 CHANNEL

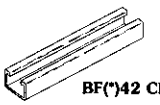


BF(*)22SH CHANNEL

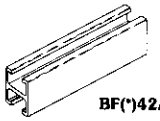
G

15/8" x 15/8" (BFP=Plastic Polyester - BFV=Vinyl Ester Resin)

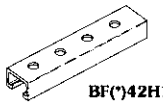
CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BFP22-120 10 ft.	63	A	100	**340.00**	01257
BFP22-240 20 ft.	63	A	200	**340.00**	01260
BFP22H17/8-120 10 ft.	61	C	100	**715.00**	04880
BFP22H17/8-240 20 ft.	61	C	200	**715.00**	04881
BFP22SH-120 10 ft.	61	B	100	**715.00**	04882
BFP22SH-240 20 ft.	61	C	200	**715.00**	04883
BFP22A-120 10 ft.	115	B	100	**965.00**	01265
BFP22A-240 20 ft.	115	C	100	**965.00**	01268
BFV22-120 10 ft.	63	B	100	**450.00**	01261
BFV22-240 20 ft.	63	C	200	**450.00**	01264
BFV22H17/8-120 10 ft.	61	C	100	**830.00**	04884
BFV22H17/8-240 20 ft.	61	C	200	**830.00**	04885
BFV22SH-120 10 ft.	61	C	100	**830.00**	04886
BFV22SH-240 20 ft.	61	C	200	**830.00**	04887
BFV22A-120 10 ft.	115	C	100	**1070.00**	01269
BFV22A-240 20 ft.	115	C	100	**1070.00**	01272



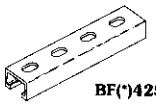
BF(*)42 CHANNEL



BF(*)42A CHANNEL



BF(*)42H17/8 CHANNEL

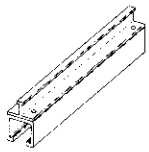


BF(*)42SH CHANNEL

G

15/8" x 1" (BFP=Plastic Polyester - BFV=Vinyl Ester Resin)

CATALOG PART NO.	WT. PER CFT	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BFP42-120 10 ft.	48	B	100	**345.00**	01273
BFP42-240 20 ft.	48	C	200	**345.00**	01276
BFP42H17/8-120 10 ft.	47	C	100	**610.00**	04888
BFP42H17/8-240 20 ft.	47	D	200	**610.00**	04889
BFP42SH-120 10 ft.	47	C	100	**610.00**	04890
BFP42SH-240 20 ft.	47	C	200	**610.00**	04891
BFP42A-120 10 ft.	85	C	100	**860.00**	01281
BFP42A-240 20 ft.	85	C	200	**860.00**	01284
BFV42-120 10 ft.	48	C	100	**440.00**	01277
BFV42-240 20 ft.	48	C	200	**440.00**	01280
BFV42H17/8-120 10 ft.	47	C	100	**715.00**	04892
BFV42H17/8-240 20 ft.	47	D	200	**715.00**	04893
BFV42SH-120 10 ft.	47	C	100	**715.00**	04894
BFV42SH-240 20 ft.	47	C	200	**715.00**	04895
BFV42A-120 10 ft.	85	C	100	**905.00**	01285
BFV42A-240 20 ft.	85	C	200	**905.00**	01286

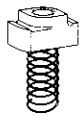


new

G

BFV22I
FIBERGLASS CONCRETE INSERT

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BFV22I-06	50	D	1	**P.O.A.**	81387
BFV22I-12	110	D	1	**P.O.A.**	81388
BFV22I-24	220	D	1	**P.O.A.**	81389
BFV22I-36	320	D	1	**P.O.A.**	81390
BFV22I-48	430	D	1	**P.O.A.**	81391
BFV22I-60	540	D	1	**P.O.A.**	81392
BFV22I-72	650	D	1	**P.O.A.**	81393
BFV22I-84	760	D	1	**P.O.A.**	81394
BFV22I-96	860	D	1	**P.O.A.**	81395
BFV22I-108	970	D	1	**P.O.A.**	81396
BFV22I-120	1080	D	1	**P.O.A.**	81397



WO

G

FIBERGLASS CHANNEL NUTS

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BFP-225 (1/2)	3.5	C	50	**220.00**	01321
BFP-228 (3/8)	3.5	B	50	**220.00**	01320
BFP-225WO (1/2)	3.0	C	50	**200.00**	01323
BFP-228WO (3/8)	3.0	B	50	**190.00**	01322

G

FIBERGLASS HEX HEAD CAP SCREWS

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BFVHHCS 5/16 x 1	2.8	C	25	**145.00**	02673
BFVHHCS 5/16 x 1 1/4	3.2	C	25	**180.00**	02675
BFVHHCS 5/16 x 1 1/2	3.6	C	25	**170.00**	01778
BFVHHCS 5/16 x 2	4.0	C	25	**160.00**	01776
BFVHHCS 3/8 x 1	4.1	B	25	**125.00**	02676
BFVHHCS 3/8 x 1 1/4	4.7	B	25	**115.00**	01378
BFVHHCS 3/8 x 1 1/2	5.3	C	25	**125.00**	01379
BFVHHCS 3/8 x 2	7.0	C	25	**125.00**	01777
BFVHHCS 3/8 x 2 1/2	8.5	C	15	**145.00**	02677
BFVHHCS 1/2 x1	8.4	C	25	**125.00**	02679
BFVHHCS 1/2 x 1 1/4	9.2	C	25	**125.00**	01380
BFVHHCS 1/2 x 1 1/2	10.0	C	25	**135.00**	01381
BFVHHCS 1/2 x 2	12.0	D	25	**150.00**	81158
BFVHHCS 1/2 x 2 1/2	16.0	C	25	**170.00**	02680
BFVHHCS 1/2 x 3	18.0	D	15	**160.00**	81159

G

ROD COUPLING

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BPV655-3/8	12.5	C	10	**390.00**	01324
BPV655-1/2	12.5	C	10	**460.00**	01325
BPV655-5/8	12.5	C	10	**515.00**	01326
BPV655-3/4	12.5	D	10	**660.00**	01327
BPV655-1	18.0	C	10	**715.00**	01328

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P.O.A. - Price on application.

FIBERGLASS HARDWARE & FITTINGS

B-Line

Discount Schedule Shown in Shaded Box

(Priced Per 100 Pcs. Unless Specified Otherwise)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
HEX NUTS					
BFVHN 3/8	1.1	B	25	**115.00**	01329
BFVHN 1/2	2.0	C	25	**170.00**	01330
BFVHN 5/8	4.0	C	25	**230.00**	01331
BFVHN 3/4	5.5	C	25	**295.00**	01332
BFVHN 1	7.5	D	25	**460.00**	01337
THREADED ROD NUT					
BFVATRHN 3/8	1.3	C	25	**160.00**	02739
BFVATRHN 1/2	2.2	C	25	**220.00**	02737
FLAT WASHERS					
BFVFW 3/8	1.3	B	50	**65.00**	01350
BFVFW 1/2	1.3	C	50	**65.00**	01353
BFVFW 5/8	1.3	C	50	**75.00**	01358
BFVFW 3/4	1.3	C	25	**75.00**	01362
BFVFW 1	1.3	D	25	**135.00**	01372
ATR ALL THREADED ROD (SERIES) (STOCK LENGTH 48") (Priced Per 100 Ft.)					
BFVATR 3/8" x 48"	7	B	300	**705.00**	01373
BFVATR 1/2" x 48"	12	C	300	**775.00**	01374
BFVATR 5/8" x 48"	18	C	300	**850.00**	01375
BFVATR 3/4" x 48"	28	C	300	**985.00**	01376
BFVATR 1" x 48"	50	D	300	**1355.00**	01377
ADJUSTABLE PIPE CLAMPS (Priced Per Piece)					
BFV50 (1/2, 3/4)	4.0	C	25	**295.00**	04252
BFV100 (1, 1 1/2)	4.8	C	25	**390.00**	04253
BFV200 (1 1/2, 2 1/2)	10.6	C	25	**440.00**	04254
BFV300 (2 1/2, 3 1/2)	13.1	C	25	**565.00**	04255

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BFV101 2-HOLE 90° FITTING					
BFV101	9.0	C	50	**680.00**	81180
BFV103 3-HOLE 90° FITTING					
BFV103	13.1	B	5	**725.00**	01305
BFV104 4-HOLE 90° FITTING					
BFV104	18.0	C	10	**925.00**	81181
BFV118 4-HOLE 90° FITTING					
BFV118	21.9	C	10	**915.00**	01306
BFV129 2-HOLE FLAT SPLICE FITTING					
BFV129	8.5	C	10	**355.00**	01287
BFV132 5-HOLE FLAT CROSS FITTING					
BFV132	22.3	C	5	**1145.00**	01295
BFV133 4-HOLE FLAT TEE FITTING					
BFV133	17.7	C	10	**1000.00**	01296

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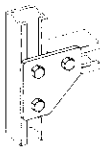
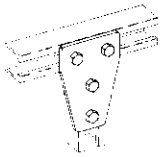
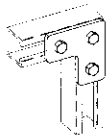
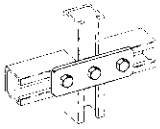
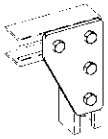
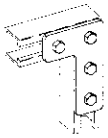
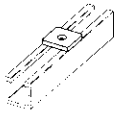
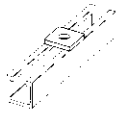
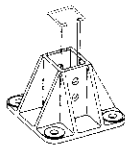
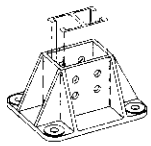
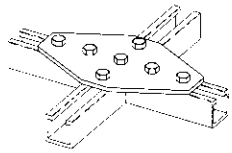
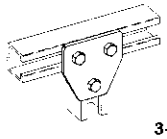
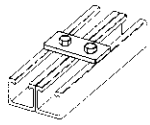
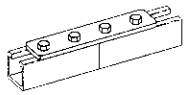
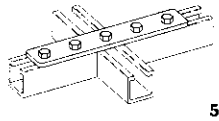
(Priced Per 100 Pcs. Unless Specified Otherwise)

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
 **BFV135** **3-HOLE FLAT GUSSETTED CORNER FITTING**					
BFV135	15.8	C	5	**565.00**	01297
 **BFV136** **4-HOLE FLAT TEE SPLICE FITTING**					
BFV136	23.2	C	5	**905.00**	01300
 **BFV140** **3-HOLE FLAT CORNER FITTING**					
BFV140	13.1	C	10	**640.00**	01293
 **BFV141** **4-HOLE FLAT TEE SPLICE FITTING**					
BFV141	13.1	C	5	**460.00**	01289
 **BFV142** **3-HOLE FLAT CORNER FITTING**					
BFV142	23.2	C	5	**925.00**	01298
 **BFV143** **4-HOLE FLAT CORNER FITTING**					
BFV143	17.7	C	10	**925.00**	01294
 **BFV201** **SQUARE WASHER FOR 3/8" BOLT**					
BFV201	3.9	C	25	**240.00**	01303
 **BFV202** **SQUARE WASHER FOR 1/2" BOLT**					
BFV202	3.9	C	25	**240.00**	01304

CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
 **BF(*)280SQ** **POST BASE FOR 22 CHANNEL** **P=POLYESTER RESIN** **V=VINYL ESTER RESIN**					
BFP280SQ	71.0	C	5	**2320.00**	01308
BFV280SQ	71.0	C	5	**3090.00**	04919
 **BFP281SQ** **POST BASE FOR 22A CHANNEL**					
BFP281SQ	86.0	C	5	**2750.00**	01309
 **BFV334** **7-HOLE FLAT GUSSETTED CROSS FITTING**					
BFV334	53.6	C	5	**2070.00**	01302
 **BFV337** **3-HOLE FLAT GUSSETTED TEE FITTING**					
BFV337	15.8	C	5	**630.00**	01299
 **BFV340** **2-HOLE FLAT SPLICE FITTING**					
BFV340	7.8	C	10	**460.00**	01288
 **BFV341** **4-HOLE FLAT SPLICE FITTING**					
BFV341	17.7	C	5	**525.00**	01291
 **BFV342** **5-HOLE FLAT SPLICE FITTING**					
BFV342	22.3	C	5	**600.00**	01292

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CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011
BFP371-2G **3-HOLE GUSSETTED CORNER FITTING**					
BFP371-2G	50.0	B	5	**705.00**	04896
BF(*)409 SERIES **FIBERGLASS BRACKETS** **P=POLYESTER RESIN** **V=VINYL ESTER RESIN**					
BFP409-6	200	C	1	**3650.00**	04897
BFV409-6	200	C	1	**4745.00**	02833
BFP409-9	225	C	1	**3835.00**	02824
BFV409-9	225	C	1	**4990.00**	02835
BFP409-12	250	C	1	**4020.00**	02825
BFV409-12	250	C	1	**5240.00**	02836
BFP409-18	300	C	1	**4580.00**	02827
BFV409-18	300	C	1	**5955.00**	02845
BFP409-24	325	C	1	**5100.00**	02828
BFV409-24	325	C	1	**6710.00**	02846
BF(*)494 SERIES **FIBERGLASS BRACKETS** **P=POLYESTER RESIN** **V=VINYL ESTER RESIN**					
BFP494-24	350	C	1	**5735.00**	02829
BFV494-24	350	C	1	**7465.00**	02847
BFP494-30	450	C	1	**5910.00**	02831
BFV494-30	450	C	1	**7780.00**	02848
BFP494-36	600	C	1	**6310.00**	02832
BFV494-36	600	C	1	**8210.00**	02849
BFV501 SERIES **U-BOLTS**					
BFV501-1/2	4.1	C	50	**240.00**	02649
BFV501-3/4	4.4	C	50	**250.00**	02651
BFV501-1	5.0	C	50	**265.00**	02653
BFV501-1 1/4	5.5	C	50	**275.00**	02663
BFV501-1 1/2	5.8	C	50	**345.00**	02664
BFV501-2	12.3	C	25	**495.00**	02665
BFV501-2 1/2	14.6	C	25	**565.00**	02667
BFV501-3	15.9	C	25	**600.00**	02668
BFV501-3 1/2	17.4	C	25	**620.00**	02669
BFV501-4	18.9	C	25	**660.00**	02671
BFV532 **5-HOLE FLAT GUSSETTED TEE FITTING**					
BFV532	33.3	C	5	**1155.00**	01301
BFV557 **3-HOLE FLAT SPLICE FITTING**					
BFV557	11.8	C	5	**610.00**	01290
BFV558 **4-HOLE 90° CORNER FITTING**					
BFV558	17.1	C	5	**735.00**	01307
BFP650 **FIBERGLASS SPACER**					
BFP650-3/8	12.5	C	100	**135.00**	04898
BFV751 **BEAM CLAMP ONLY**					
BFV751-3/8	57.0	D	10	**2330.00**	81163
BFV751-1/2	57.0	D	10	**2375.00**	01386
BFV751-5/8	57.0	D	10	**3260.00**	81165
BFV751J **BEAM CLAMP ASSEMBLY**					
BFV751J-3/8	58.0	C	10	**2650.00**	81166
BFV751J-1/2	58.0	C	10	**2700.00**	04899
BFV751J-5/8	58.0	D	10	**3520.00**	81176
BFV755 **BEAM CLAMP ONLY**					
BFV755-3/8	59.0	D	10	**2300.00**	81177
BFV755-1/2	59.0	D	10	**2350.00**	81178

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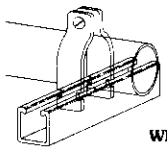
Prices shown above are for standard carton/bundle quantities. Consult local representatives for discounts on less than standard packaging.
P.O.A. - Price on application.

Discount Schedule Given in Shaded Box

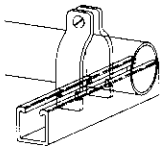
CATALOG PART NO.	WT. PER C	STOCK CLASS	STD. PKG.	LIST PRICE (DOLLARS)	UPC NO. 781011

(Priced Per 100 Pcs. Unless Specified Otherwise)



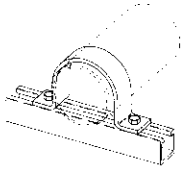
PIPE & RIGID CONDUIT CLAMPS WITH STAINLESS STEEL (316) HARDWARE (Priced Per 100 PAIR)

BFV2008 (1/2)	10.0	B	50	**250.00**	01310
BFV2009 (3/4)	10.6	B	50	**265.00**	01311
BFV2010 (1)	12.8	B	50	**265.00**	01312
BFV2011 (1 1/4)	14.0	B	25	**275.00**	01313
BFV2012 (1 1/2)	15.1	B	25	**430.00**	01314
BFV2013 (2)	17.5	B	25	**430.00**	01315
BFV2014 (2 1/2)	17.6	B	25	**580.00**	01316
BFV2015 (3)	19.7	B	25	**610.00**	01317
BFV2016 (3 1/2)	21.3	C	10	**620.00**	01318
BFV2017 (4)	23.4	B	10	**705.00**	01319
BFV2019 (5)	27.1	C	10	**1400.00**	81162
BFV2020 (6)	31.6	C	10	**1650.00**	81156



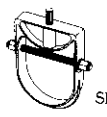
PIPE & RIGID CONDUIT CLAMPS WITH NYLON HARDWARE (Priced Per PAIR)

BFV2008N (1/2)	10.0	C	50	**250.00**	01453
BFV2009N (3/4)	10.6	C	50	**265.00**	01454
BFV2010N (1)	12.8	C	50	**265.00**	01455
BFV2011N (1 1/4)	14.0	C	25	**275.00**	01457
BFV2012N (1 1/2)	15.1	C	25	**430.00**	01458
BFV2013N (2)	17.5	C	25	**440.00**	01459
BFV2014N (2 1/2)	17.6	C	25	**580.00**	01461
BFV2015N (3)	19.7	C	25	**610.00**	01462
BFV2016N (3 1/2)	21.3	C	10	**620.00**	01463
BFV2017N (4)	23.4	C	10	**705.00**	01465
BFV2019N (5)	27.1	D	10	**1400.00**	98948
BFV2020N (6)	31.6	D	10	**1650.00**	98942



FIBERGLASS PIPE CLAMP (POLYESTER RESIN)

BFV2400-2	00	D	1	**2350.00**	81172
BFV2400-3	00	D	15	**2600.00**	81173
BFV2400-4	00	D	1	**3000.00**	81174
BFV2400-5	00	D	5	**3500.00**	81209



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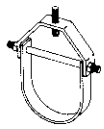

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FIBERGLASS CLEVIS HANGERS (POLYESTER RESIN)

BFV3104-1	83	D	1	**3035.00**	81192
BFV3104-1 1/2	83	C	1	**3035.00**	01688
BFV3104-2	11	C	1	**3035.00**	01387
BFV3104-2 1/2	15	C	1	**3520.00**	01388
BFV3104-3	16	C	1	**3520.00**	01389
BFV3104-4	20	C	1	**3520.00**	01390
BFV3104-6	30	C	1	**5815.00**	01391
BFV3104-8	34	C	1	**8245.00**	01392
BFV3104-10	38	C	1	**9525.00**	01393
BFV3104-12	44	D	1	**12350.00**	01394

A - Normal stock at most locations. B - Normal **factory** stock. C & D - Consult local representative for lead times on these items.
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P.O.A. - Price on application.

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Reno, Nevada 89506-0269

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SYSTEMS THAT MAKE SENSE

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Printed in U.S.A

28300

GENERAL INFORMATION – STEEL BOXES AND COVERS

APPLICATIONS: STEEL BOXES

RACO high quality steel boxes:

- Are used in branch circuit wiring to splice wires
- Accommodate wiring devices, such as switches and receptacles
- Some may also serve as fixture supports.
- Provide excellent protection for wiring system or devices
- Must be closed with a cover, light fixture canopy or wallplate
- Permit access to conductors for maintenance
- Allow for branch circuit runs
- Provide two-hour fire rating for wall opening

PRODUCT FEATURES: OUTLET BOXES FOR FIXTURE OR FAN SUPPORT

These high quality boxes:

- Permit lighting fixture canopies or fans to be installed
- Feature oversized #10 screws to provide strength and rigidity

PRODUCT FEATURES: PATENTED TKO KNOCKOUTS

- TKO knockouts offer greater flexibility with RACO's patented combination 1/2" and 3/4" knockout.
- Stock just one product instead of two or three.
- One product for the installer to carry

TKO PROVIDES RELIABLE GROUNDING PATH

- Independent tests conducted by UL prove that the TKO can pass the same high-current fault test used to test grounding bushings and ground lugs.
- RACO's TKO knockout is UL Listed, providing bonding without the use of bonding jumpers.
- Suitable for bonding without any additional bonding means around concentric (or eccentric) knockouts where used in circuits above or below 250V
- This knockout does not impair the electrical connection to ground.

MOST RACO BOXES HAVE AT LEAST ONE TAPPED #10-32 GROUNDING HOLE

- The products that do not have a grounding hole are: extension rings, concrete rings, and catalog numbers 226, 239, 640 and 663.

PRODUCT FEATURES: COMBINATION SCREW HEADS

- Box and clamp screws have combination slotted/Phillips heads.
- Self-tapping screws provide for 100% thread engagement.

METALLIC BOXES: FIRE RESISTANCE RATING WALL PENETRATIONS*

Listed single- and double-gang metallic outlet and switch boxes with metallic or nonmetallic cover plates may be used in bearing and non-bearing wood stud and steel stud walls with ratings not exceeding two hours.

The surface area of individual metallic outlet or switch boxes shall not exceed 16 square inches. The aggregate surface area of the boxes shall not exceed 100 square inches per 100 square feet. Boxes located on opposite sides of walls or partitions shall be separated by a horizontal distance of 24 inches.

The metallic outlet or switch boxes shall be securely fastened to the studs, and the opening in the wallboard facing shall be cut so that the clearance between the box and the wallboard does not exceed 1/8 inch.

*Reference: UL Fire Resistance Directory (Orange Book)

STANDARD MATERIAL: STEEL COVERS, OUTLET AND SWITCH BOXES

- Steel boxes and covers are made of .0625 inch thick galvanized sheet steel.
- Handy Box covers are made of .030 inch thick galvanized sheet steel.

STEEL BOXES & COVERS

GENERAL INFORMATION	**A1-A7**
CEILING FAN BOXES	**A8**
OCTAGON BOXES & COVERS	**A9-A15**
4" SQUARE BOXES & COVERS	**A16-A22**
4 11/16" SQUARE BOXES & COVERS	**A23-A25**
HANDY BOXES & COVERS	**A26-A28**
SWITCH BOXES	**A29-A38**
SPECIALTY BOXES	
MASONRY, GANG, CONCRETE	**A39-A42**
ACCESSORIES	
BAR HANGERS, GROUNDING, VOLTAGE PARTITIONS	**A42-A45**

COMPLIANCES

RACO steel boxes and covers carry the following compliance ratings:

- UL Listed – Standard 514-A, file E4872
- Boxes are listed for their Electrical Applications (electrical codes), UL Green Book.
- Boxes are listed for mechanical properties, including the Two-Hour Fire Rating, (building codes) UL Orange Book.
- CSA Certified – C22.2 No. 18, CSA File LR-1082
- U.S. Federal Specification and Standards W-J-800
- ANSI/NEMA OS1-1989
- Federal Manufacturer's number 28488

REFERENCE DATA

- TKO knockout U.S. Patent 4,640,433; Canada Patent 1,260,597
- Ceiling fan outlet box U.S. Patent 4,892,211; Canada Patent 1,324,360; Mexico Patent 166,125
- Far-side support (#978) U.S. Patent 4,898,357
- BOX-LOC® U.S. Patent 5,408,045

2

STANDARDS, 1996 NATIONAL ELECTRICAL CODE®

WIRING CAPACITY: STEEL OUTLET AND SWITCH BOXES; CUBIC INCHES

MAXIMUM NUMBER OF CONDUCTORS OR MINIMUM SIZE BOX REQUIRED – NATIONAL ELECTRICAL CODE ARTICLE 370-16

The purpose of NEC Article 370-16 is to determine the maximum conductor count or the minimum box size required for an application. It also may be used to determine how many other conductors may be added without exceeding the Code-prescribed limit. Most applications have determined the number of conductors. The question that then remains is the smallest size box that is permitted. The rules of Article 370-16 are to be used to determine the Code-recognized limit.

Selection of an outlet or junction box for use in an electrical circuit work must take into consideration the maximum number of wires permitted in the box. Safe electrical practice demands that wires not be jammed into boxes because of the possibility of nicks, abrasions or other damage to the insulating material, creating the potential for ground faults or short circuits.

Article 370 – Boxes and Fittings

370-16. Number of Conductors in Outlet, Device, and Junction Boxes, and Conduit Bodies. Boxes shall be of sufficient size to provide free space for all enclosed conductors. In no case shall the volume of the box, as calculated in (a) below, be less than the fill calculation as calculated in (b) below. The minimum volume for conduit bodies shall be as calculated in (c) below.

The provisions of this section shall not apply to terminal housings supplied with motors. See Section 430-12.

Boxes and conduit bodies enclosing conductors, size No. 4 or larger, shall also comply with the provisions of Section 370-28.

(a) Box Volume Calculations. The volume of a wiring enclosure (box) shall be the total volume of the assembled sections, and, where used, the space provided by plaster rings, domed covers, extension rings, etc., that are marked with their volume in cubic inches or are made from boxes the dimensions of which are listed in Table 370-16(a).

(1) Standard Boxes. The volume of standard boxes that are not marked with a cubic inch capacity shall be as given in Table 370-16(a).

(2) Other Boxes. Boxes 100 cubic inches (1640 cu in.) or less, other than those described in Table 370-16(a), and nonmetallic boxes shall be durably and legibly marked by the manufacturer with their cubic inch capacity. Boxes described in Table 370-16(a) that have a larger cubic inch capacity than is designated in the table shall be permitted to have their cubic inch capacity marked as required by this section.

(b) Box Fill Calculations. The volumes in paragraphs (1) through (5) below, as applicable, shall be added together. No allowance shall be required for small fittings such as locknuts and bushings.

(1) Conductor Fill. Each conductor that originates outside the box and terminates or is spliced within the box shall be counted once, and each conductor that passes through the box without splice or termination shall be counted once. The conductor fill, in cubic inches, shall be computed using Table 370-16(b). A conductor, no part of which leaves the box, shall not be counted.

Exception: Where an equipment grounding conductor or not over four fixture wires smaller than No. 14, or both, enter a box, from a domed fixture or similar canopy and terminate within that box, it shall be permitted to omit these conductors from the calculations.

(2) Clamp Fill. Where one or more internal cable clamps, whether factory or field supplied, are present in the box, a single volume allowance in accordance with Table 370-16(b) shall be made based on the largest conductor present in the box. No allowance shall be required for a cable connector with this clamping mechanism outside the box.

(3) Support Fittings Fill. Where one or more fixture studs or hickeys are present in the box, a single volume allowance in accordance with Table 370-16(b) shall be made for each type of fitting based on the largest conductor present in the box.

(4) Device or Equipment Fill. For each yoke or strap containing one or more devices or equipment, a double volume allowance in accordance with Table 370-16(b) shall be made for each yoke or strap based on the largest conductor connected to a device(s) or equipment supported by that yoke or strap.

(5) Equipment Grounding Conductor Fill. Where one or more equipment grounding conductors enters a box, a single volume allowance in

STANDARDS, 1996 NATIONAL ELECTRICAL CODE®

accordance with Table 370-16(b) shall be made based on the largest equipment grounding conductor present in the box. Where an additional set of equipment grounding conductors, as permitted by Section 250-74, Exception No. 4, is present in the box, an additional volume allowance shall be made based on the largest equipment grounding conductor in the additional set.

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MOST OFTEN REQUESTED ARTICLES OF THE 1996 NATIONAL ELECTRICAL CODE®	HOW RACO PRODUCTS HELP COMPLETE THE INSTALLATION
250-72 (d) Method of Bonding Service Equipment — Bonding Jumpers. Bonding jumpers meeting the other requirements of this article shall be used around concentric or eccentric knockouts that are punched or otherwise formed so as to impair the electrical connection to ground.	This Article is used to ensure that there is ground continuity when a concentric or eccentric knockout is encountered. A bonding jumper is not required when using any of the RACO patented TKO knockout boxes, Catalog Numbers 189, 232, etc.
370-27 (a) Boxes at Lighting Fixture Outlets. Boxes used at lighting fixture outlets shall be designed for the purpose. At every outlet used exclusively for lighting, the box shall be so designed or installed that a lighting fixture may be attached.	Device boxes are designed for the mounting, usually by #6-32 screws, of devices, such as snap-switches and receptacles. They are not suitable for support of other than very lightweight lighting fixtures, such as some wall-bracket types. See Article 410-16. All RACO 4" and 4$^{11}/_{16}$" square boxes are listed for fixture support.
370-27 (b) Floor Boxes. Boxes listed specifically for this application shall be used for receptacles located in the floor. *Exception: Boxes located in elevated floors of show windows and similar locations where the authority having jurisdiction judges them from physical damage, moisture and dirt.*	Only boxes that are UL Listed for the application may be fastened into the floor. RACO floor boxes are in Section E of this catalog.
370-27 (c) Boxes at Fan Outlets. Outlet boxes shall not be used as the sole support for ceiling (paddle) fans. *Exception: Boxes listed for the application shall be permitted as the sole means of support.*	At any ceiling outlet that is intended to have a ceiling (paddle) fan installed, a UL Listed outlet box rated for ceiling fan support must be installed. RACO offers a complete line of products designed for various applications and mounting needs. (For complete offering of ceiling fan support products, see application specific pages G7-G8.)

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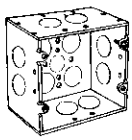
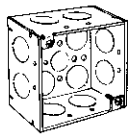
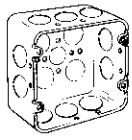
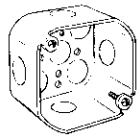
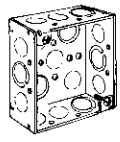
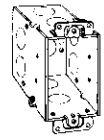
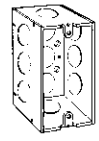
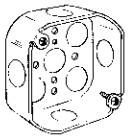
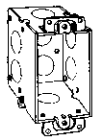
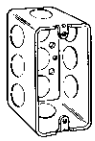
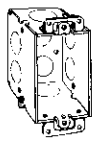
STANDARDS, 1996 NATIONAL ELECTRICAL CODE®

MOST OFTEN REQUESTED ARTICLES OF THE 1996 NATIONAL ELECTRICAL CODE®	HOW RACO PRODUCTS HELP COMPLETE THE INSTALLATION
410-10 Space for Conductors. Canopies and outlet boxes taken together shall provide adequate space so that fixture conductors and their connecting devices can be properly installed.	When calculating the minimum cubic inch requirements for an outlet box, the canopy may be included in the calculation if the canopy of the fixture/fan is marked with the cubic inch capacity.
410-16 (a) Means of Support – Outlet Boxes. Where the outlet box or fitting will provide adequate support, a fixture shall be attached thereto or be supported as required by Section 370-23 for boxes. A fixture that weighs more than 50 pounds (22.7 kg) shall be supported independently of the outlet box.	All outlet boxes that are intended to be used with fixtures are tested in accordance with UL Standard 514-A. The test does provide an ample margin for safety.
410-56 (l) Receptacles in Raised Covers. Receptacles installed in raised covers shall not be secured soley by a single screw. *Exception: Devices, assemblies or box covers listed and identified for such use.*	The intent of the additional support screw is to prevent the duplex receptacle from becoming loose in the raised cover. A loose duplex receptacle could cause a safety hazard to personnel while inserting or removing a plug.
422-18 Support of Ceiling Fans. **(a) Ceiling Fans 35 lbs. or Less.** Listed ceiling fans that do not exceed 35 pounds in weight, with or without accessories, shall be permitted to be supported by outlet boxes identified for such use and supported in accordance with Sections 370-23 and 370-27. **(b) Ceiling Fans Exceeding 35 lbs.** Listed ceiling fans exceeding 35 pounds in weight, with or without accessories shall be supported independently of the outlet box. See Section 370-23.	If the outlet box is UL Listed for ceiling fan support, the maximum fan weight that can be supported is 35 pounds. All of RACO's steel fan outlet boxes use hardened #10-32 screws for support of the fan. Captive star lock-washers prevent the screws from loosening, providing a safe and secure installation.
800-52 (c) Installation of Communications Wires, Cables and Equipment — Electric Light or Power Circuits. Communications conductors shall not be placed in any raceway, compartment, outlet box, junction box, or similar fitting with conductors of electric light or power circuits or Class 1 circuits.	When power and voice/data are brought to one enclosure, a means of dividing the wiring is required. Voltage dividers are available on the following box types: 4"and $4^{11}/_{16}$" square boxes, three- and four-gang switch boxes, masonry boxes, and gang boxes.

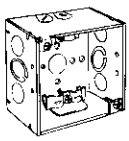
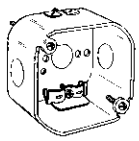
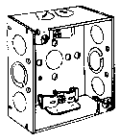
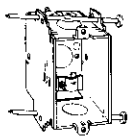
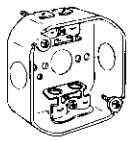
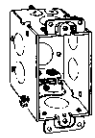
BOX SELECTION

STEEL BOX SELECTION CHART

CU. IN.	42.0	30.3	29.5	21.5	21.0	18.0	16.5
CONDUIT STEEL BOXES							
	4 11/16" Sq. 2 1/8" Deep	4" Sq. 2 1/8" Deep	4 11/16" Sq. 1 1/2" Deep	4" Sq. 2 1/8" Deep	4" Sq. 1 1/2" Deep	Switch 3 1/2" Deep	Handy 2 1/8" Deep

CU. IN.	15.5	14.0	13.0	12.5
CONDUIT STEEL BOXES				
	4" Oct. 1 1/2" Deep	Switch 2 3/4" Deep	Handy 1 7/8" Deep	Switch 2 1/2" Deep

STEEL BOX SELECTION CHART

CU. IN.	30.3	21.5	21.0	18.0	15.8	15.5	14.0
CABLE STEEL BOXES							
	4" Sq. 2 1/2" Deep	4" Oct. 1 1/8" Deep	4" Sq. 1 1/2" Deep	Switch 3 1/2" Deep	Switch 2 9/64" Deep	4" Oct. 1 1/2" Deep	Switch 2 3/4" Deep

6

BOX SELECTION

CALCULATE THE MINIMUM SIZE BOX

Part (1) of Section 370-16(a) describes the detailed way of counting wires, as well as clamps, fittings or devices (i.e., switches, receptacles, combination devices) — by establishing an equivalent conductor value for each. Those values are added together to get a total number of conductors. The minimum size box is the smallest one in Table 370-16(a) that can accommodate that number of conductors.

1. No matter how many ground wires come into a box, they only count as one conductor within the box.
2. Any wire running unbroken through the box counts as one wire.
3. Each wire coming into a splice device (crimp or twist-on type) is counted as one wire.
4. Each wire coming into the box and connecting to a device counts as one wire of that size.
5. Fixture studs, cable clamps and hickeys are to be counted as one regardless of how many there may be. If a box contains two cable clamps, the total is only to be increased by one.
6. Where devices are mounted in the box, the total conductor count must be increased by two for each mounting strap.

Example #1: — Conduit Boxes: Supply power to a switch that will control a remote light with #14 conductors. Metal conduit and fittings will be used as the wire way. You must provide space for four conductors and one switch, totaling 6. Read across the line "Deductions" in the **Box Fill Table** to column 6, then read down to the minimum cubic inches required for #14 conductor. This example requires a minimum of 12.0 cubic inches.

Example #2: — Cable Boxes: This example will illustrate how the minimum size is determined for a box with cable clamps fed by two #12-2 nonmetallic sheathed cables and supplying a 15A duplex receptacle. After supplying the receptacle, the conductors are extended to other outlets.

Circuit conductors	4
Ground conductors	1
Cable clamps	1
Device (receptacle)	2
Total	**8**

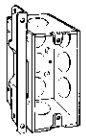
Using the **Box Fill Table** below, read across the line "deductions" to column 8, then down to the minimum cubic inches required for #12 conductor. This example requires a minimum of 18.0 cubic inches.

BOX FILL TABLE

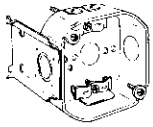
DEDUCTIONS		6	7	8	9	10	11	12	13	14
Volume Required per Conductor Size per Deductions	#18 (1.50)	9.00	10.50	12.00	13.50	15.00	16.50	18.00	19.50	21.00
	#16 (1.75)	10.50	12.25	14.00	15.75	17.50	19.25	21.00	22.75	24.50
	#14 (2.00)	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00
	#12 (2.25)	13.50	15.75	18.00	20.25	22.50	24.75	27.00	29.25	31.50
	#10 (2.50)	15.00	17.50	20.00	22.50	25.00	27.50	30.00	32.50	35.00
	#8 (3.00)	18.00	21.00	24.00	27.00	30.00	33.00	36.00	39.00	42.00
	#6 (5.00)	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00

BOX SELECTION

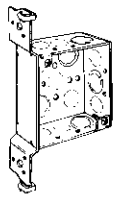
BRACKET TYPES FOR WOOD STUDS



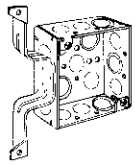
"A" Bracket
Positions handy box against face and side of stud. Very rigid.



"J" Bracket
Spurs, slotted holes for toe-nailing. Gauging notches at 3/8" and 1/2".

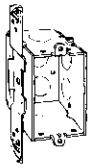


"FH" Bracket
Side-mount bracket with hooks that drive into face of stud.

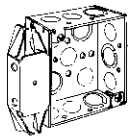


"W" Bracket
Positions box away from side of stud.

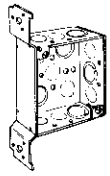
BRACKET TYPES FOR WOOD OR METAL STUDS



"TS" Bracket
Side-mount bracket for octagon, square, switch and handy boxes. Gauging tabs and recessed nailing spur. Very rigid.



BOX-LOC® "MS" Bracket
Postions box on either side of metal stud.



"FM" Bracket
Mounts on flat side of metal stud.

CABLE CLAMPS

for nonmetallic sheathed cable

Clamps are stamped "N" and "T". New clamp screws have combination slotted/Phillips heads and 100% thread engagement. Shallow switch boxes supplied with spring tension "Q" clamps.

for armored, MCI cable and flexible conduit

Clamps in boxes are stamped "A", "F" and "MCI". Redesigned clamps UL listed for:

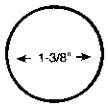
- Steel & aluminum armored bushed cable
- 3/8" flexible metal conduit
- MCI cable .425" - .600" diameter steel interlocking armored cable

Clamps in ceiling pans are for armored cable only.

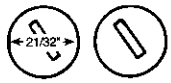
KNOCKOUTS AND PRIOUTS

1/2" conduit KO

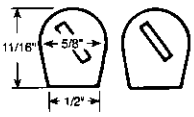
3/4" conduit KO



1" conduit KO

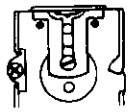


Cable priouts always in pairs.

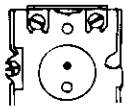


Flat-bottomed cable priouts eliminate chance of cable being cut.

PLASTER EARS



One-screw ear



Two-screw ear

Plaster ears are included on many switch boxes and one octagon box. They are set forward 1/32".

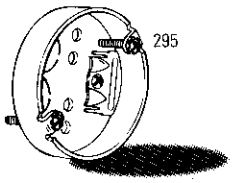
8

CEILING FAN SUPPORT PRODUCTS

4" ROUND
CEILING FAN PAN – ½" DEEP
6.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM CABLE	BOTTOM COND.	STD. PKG.	UPC BAR CODE
295				2	2 – ½"	10	

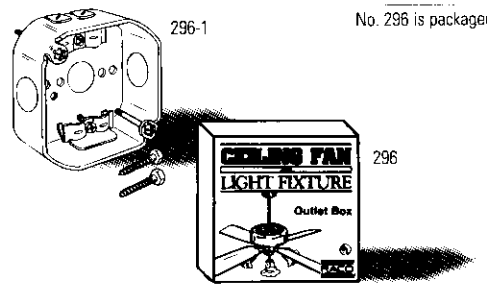
Mounting instructions included.



4" OCTAGON
CEILING FAN BOX – 1½" DEEP
15.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
296-1		4	2 – ½"	1 – ½"	20	
296	Carton	4	2 – ½"	1 – ½"	8	

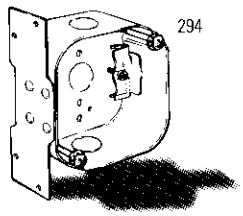
No. 296 is packaged in a stackable, chipboard box suitable for shelf display.



4" OCTAGON
CEILING FAN BOX – 2⅛" DEEP
21.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
294	FA brkt., ½"	2	2 – ½"	1 – ½"	10	

Mounting instructions included.



APPLICATIONS: CEILING FAN SUPPORT PRODUCTS

- RACO Ceiling Fan Support Boxes are listed for support of ceiling fans up to 35 pounds.
- Lock-washers prevent the high strength screws from loosening from vibration.
- RACO Fan Boxes may serve as fixture support for fixtures up to 50 pounds.

NEC CODES THAT APPLY TO CEILING FAN SUPPORT

- **370-27 (c) Boxes at Fan Outlets.** Outlet boxes shall not be used as the sole support for ceiling (paddle) fans. *Exception: Boxes listed for the application shall be permitted as the sole means of support.*
- **422-18 Support of Ceiling Fans.**
  (a) Ceiling Fans 35 lbs. or Less. Listed ceiling fans that do not exceed 35 pounds in weight, with or without accessories, shall be permitted to be supported by outlet boxes identified for such use and supported in accordance with Sections 370-23 and 370-27.
  (b) Ceiling Fans Exceeding 35 lbs. Listed ceiling fans exceeding 35 pounds in weight, with or without accessories, shall be supported independently of the outlet box. See Section 370-23.

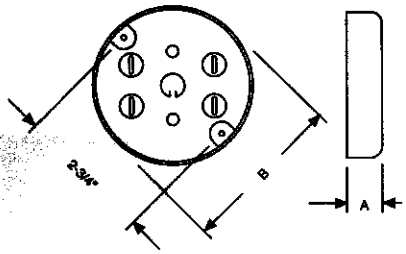
APPLICATIONS: CEILING PANS

- Ceiling pans are often used in the installation of wall lighting fixtures.
- Combination screw heads provide for faster installation.
- RACO boxes may serve as fixture support for fixtures up to 50 pounds.

COMPLIANCES: CEILING PANS AND FAN SUPPORT PRODUCTS

Please refer to page A1 for complete information on UL and other compliances that apply to these products.

3-1/2" ROUND PAN



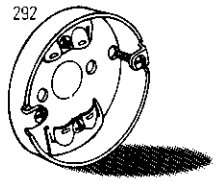
RACO NO.	A	B
292	9/16"	3 3/8"
287	3/4"	3 3/8"

CEILING PANS

NONMETALLIC CABLE CLAMPS

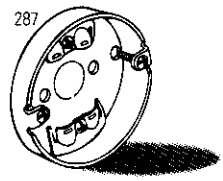
3½" ROUND PAN – ½" DEEP 3.9 CUBIC INCHES

RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
292	4 Priouts, 1 – ½" KO in bottom	50	
8292	4 Priouts, 1 – ½" KO in bottom	50	



3½" ROUND PAN – ¾" DEEP 5.0 CUBIC INCHES

RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
287	4 Priouts, 1 – ½" KO in bottom	50	

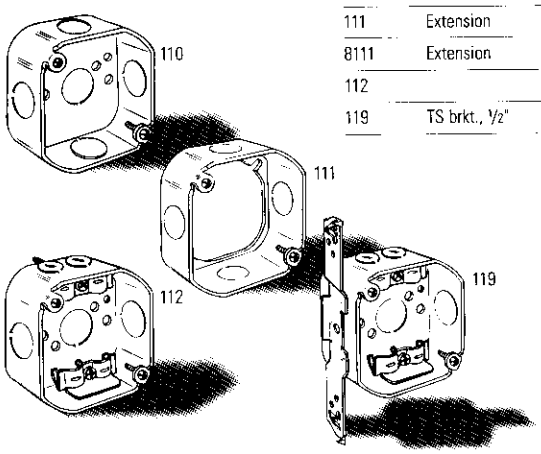


10

OCTAGON BOXES

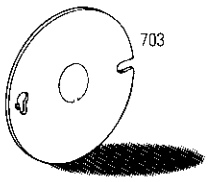
3½" OCTAGON BOXES/ EXTENSION RING – 1½" DEEP 11.8 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
110			4 – ½"	1 – ½"	50	
8110			4 – ½"	1 – ½"	50	
111	Extension		4 – ½"		25	
8111	Extension		4 – ½"		25	
112		4	2 – ½"	1 – ½"	50	
119	TS brkt., ½"	4	1 – ½"	1 – ½"	25	



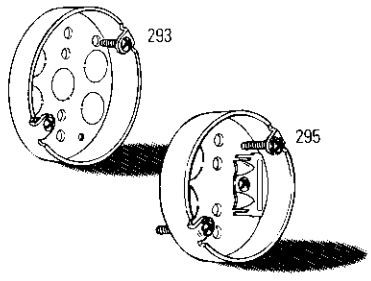
3½" ROUND COVER

RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
703	Flat, ½" KO	100	
8703		100	



4" ROUND PAN/ CEILING FAN PAN – ½" DEEP 6.0 CUBIC INCHES

RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
293	5 – ½" KO's in bottom	50	
8293		50	
295	2 – ½" KO's, 2 priouts in bottom For support of ceiling fan up to 35 lbs. Nonmetallic cable clamps.	10	



APPLICATIONS: GENERAL

- Boxes and pans are used in the installation of ceiling or wall lighting fixtures.
- RACO Ceiling Fan Pan (Cat No. 295) is listed for support of ceiling fans up to 35 pounds.
- RACO boxes may serve as fixture support for fixtures up to 50 pounds.

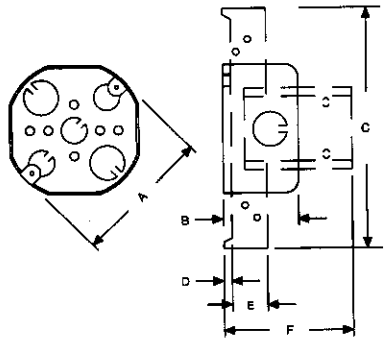
PRODUCT FEATURES: GENERAL

- Combination screw heads provide for faster installation.
- Lock-washers on Cat. No. 295 prevent the high strength screws from loosening from vibration.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

3-1/2" OCTAGON BOXES



RACO NO.	A	B	C	D	E
110	1 9/16"	3 7/16"	—	—	—
111	1 9/16"	3 7/16"	—	—	—
112	1 9/16"	3 7/16"	—	—	—
119	1 9/16"	3 7/16"	7 5/32"	½"	1¼"

OCTAGON BOXES

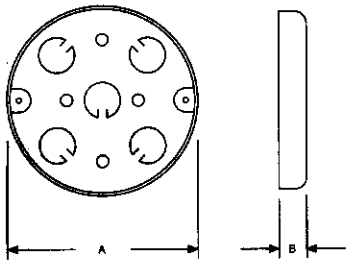
APPLICATIONS: OCTAGON BOXES

- Boxes are used in the installation of ceiling or wall lighting fixtures.
- Some RACO covers may serve as fixture support for fixtures up to 50 pounds.
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit.

PRODUCT FEATURES: OCTAGON BOXES

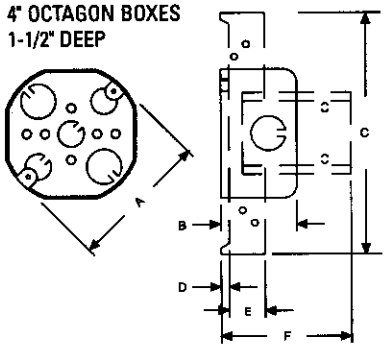
- Combination screw heads provide for faster installation.
- Time-saving set-up boxes shorten installation time for lighting fixtures.

4" ROUND PAN



RACO NO.	A	B
293	4"	1/2"
295	4"	1/2"

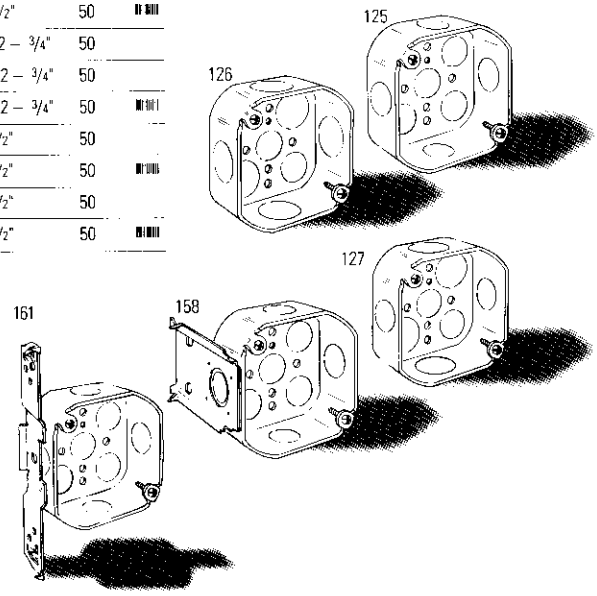
4" OCTAGON BOXES 1-1/2" DEEP



RACO NO.	A	B	C	D	E	F
125	4"	1 9/16"	—	—	—	—
126	4"	1 9/16"	—	—	—	—
127	4"	1 9/16"	—	—	—	—
158	4"	1 9/16"	—	1/2"	—	3 1/8"
161	4"	1 9/16"	7 5/32"	1/2"	1 1/4"	—
128	4"	1 9/16"	—	—	—	—
130	4"	1 9/16"	—	—	—	—

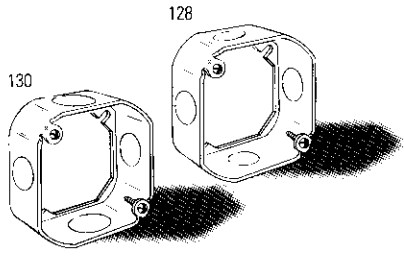
4" OCTAGON – 1 1/2" DEEP 15.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
125		4 – 1/2"	5 – 1/2"	50	
8125		4 – 1/2"	5 – 1/2"	50	
126		4 – 3/4"	3 – 1/2", 2 – 3/4"	50	
127		2 – 1/2", 2 – 3/4"	3 – 1/2", 2 – 3/4"	50	
8127		2 – 1/2", 2 – 3/4"	3 – 1/2", 2 – 3/4"	50	
158	J brkt.	4 – 1/2"	5 – 1/2"	50	
8158	J brkt.	4 – 1/2"	5 – 1/2"	50	
161	TS brkt., 1/2"	3 – 1/2"	5 – 1/2"	50	
8161	TS brkt., 1/2"	3 – 1/2"	5 – 1/2"	50	



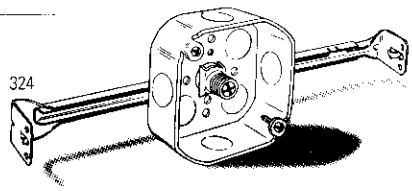
4" OCTAGON EXTENSION RINGS – 1 1/2" DEEP 15.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
128		4 – 1/2"		50	
8128		4 – 1/2"		50	
130		2 – 1/2", 2 – 3/4"		50	
8130		2 – 1/2", 2 – 3/4"		50	



4" OCTAGON WITH BAR HANGER – 1 1/2" DEEP 15.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
324	3/8" Stud, adj. 14 1/4" – 22 1/2"	4 – 1/2"	4 – 1/2"	25	



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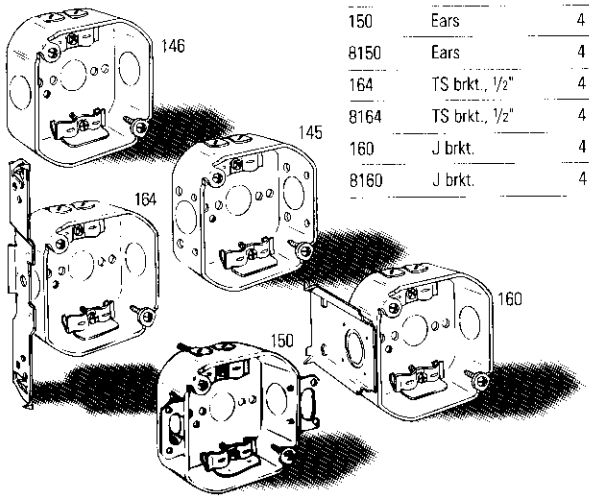
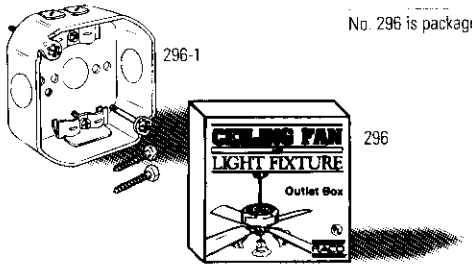
OCTAGON BOXES

4" OCTAGON – 1½" DEEP WITH NONMETALLIC SHEATHED CABLE CLAMPS 15.5 CUBIC INCHES



RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
146		4	2 – ½"	1 – ½"	50	
8146		4	2 – ½"	1 – ½"	50	
145	Side holes	4	2 – ½"	1 – ½"	50	
150	Ears	4	2 – ½"	1 – ½"	50	
8150	Ears	4	2 – ½"	1 – ½"	50	
164	TS brkt., ½"	4	1 – ½"	1 – ½"	50	
8164	TS brkt., ½"	4	1 – ½"	1 – ½"	50	
160	J brkt.	4	2 – ½"	1 – ½"	50	
8160	J brkt.	4	2 – ½"	1 – ½"	50	

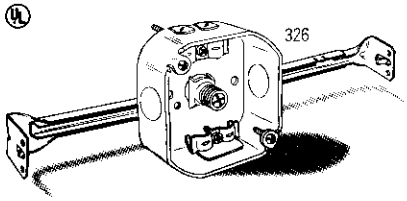
4" OCTAGON CEILING FAN BOX – 1½" DEEP 15.5 CUBIC INCHES



RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
296-1		4	2 – ½"	1 – ½"	20	
296	Carton	4	2 – ½"	1 – ½"	8	

No. 296 is packaged in a stackable, chipboard box suitable for shelf display.

4" OCTAGON WITH NON-METALLIC SHEATHED CABLE CLAMPS AND BAR HANGER – 1½" DEEP 15.5 CUBIC INCHES



RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
326	⅜" Stud, adj. 14 ¼" – 22 ½"	4	2 – ½"		25	

APPLICATIONS: GENERAL

- Boxes may be used in the installation of lighting fixtures.
- RACO boxes may serve as fixture support for fixtures up to 50 pounds.
- RACO Ceiling Fan Box No. 296 is listed for support of ceiling fans up to 35 pounds.

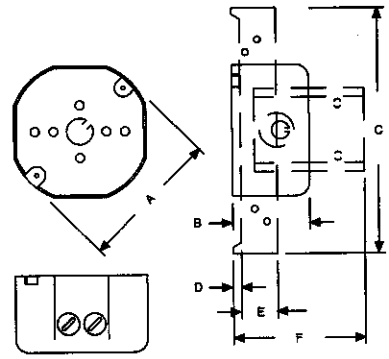
PRODUCT FEATURES: GENERAL

- Boxes have clamps for nonmetallic sheathed cable, armored cable or flexible metal conduit.
- Combination screw heads provide for faster installation.
- Ceiling fan boxes have lock-washers to prevent the high strength screws from loosening from vibration.
- Time-saving set-up boxes shorten installation time for lighting fixtures.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

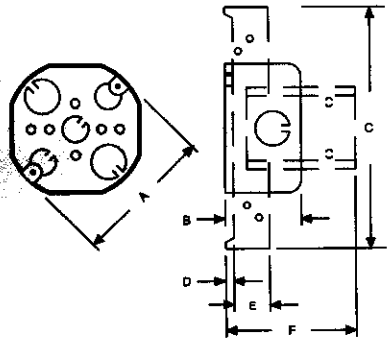
4" OCTAGON BOXES – 1-1/2" DEEP



RACO NO.	A	B	C	D	E	F
146	4"	1 9/16"	—	—	—	—
145	4"	1 9/16"	—	—	—	—
150	4"	1 9/16"	—	—	—	—
160	4"	1 9/16"	—	½"	—	3⅛"
164	4"	1 9/16"	7 5/32"	½"	1¼"	—
296	4"	1 9/16"	—	—	—	—
153	4"	1 9/16"	—	—	—	—
155	4"	1 9/16"	7 5/32"	½"	1¼"	—
157	4"	1 9/16"	—	½"	—	3⅛"

OCTAGON BOXES

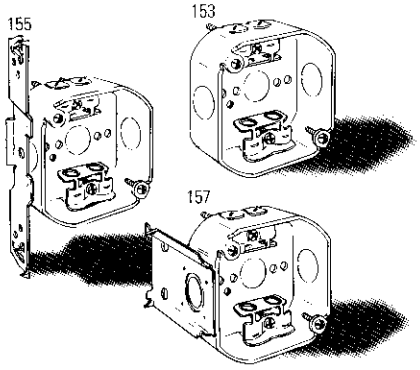
4" OCTAGON BOXES – 2-1/8" DEEP



RACO NO.	A	B
165	4"	2⅛"
166	4"	2⅛"
167	4"	2⅛"

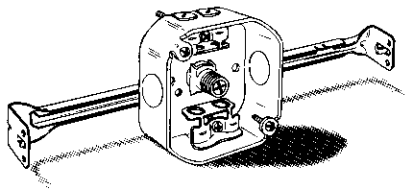
4" OCTAGON WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 1½" DEEP 15.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
153		4	2 – ½"	1 – ½"	25	
155	TS brkt., ½"	4	1 – ½"	1 – ½"	50	
157	J brkt.	4	2 – ½"	1 – ½"	50	



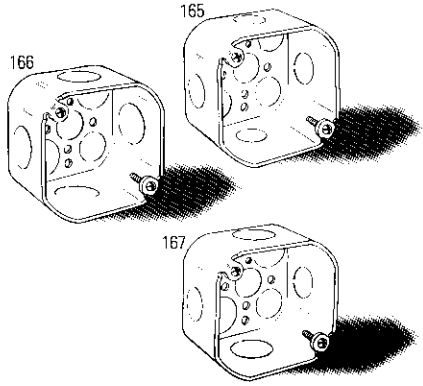
4" OCTAGON WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 1½" DEEP 15.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
325	⅜" Stud, adj. 14 ¼" – 22 ½"	4	2 – ½"		25	



4" OCTAGON – 2⅛" DEEP 21.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
165		4 – ½"	5 – ½"	50	
166		4 – ¾"	3 – ½", 2 – ¾"	50	
167		2 – ½", 2 – ¾"	3 – ½", 2 – ¾"	50	
8167		2 – ½", 2 – ¾"	3 – ½", 2 – ¾"	50	



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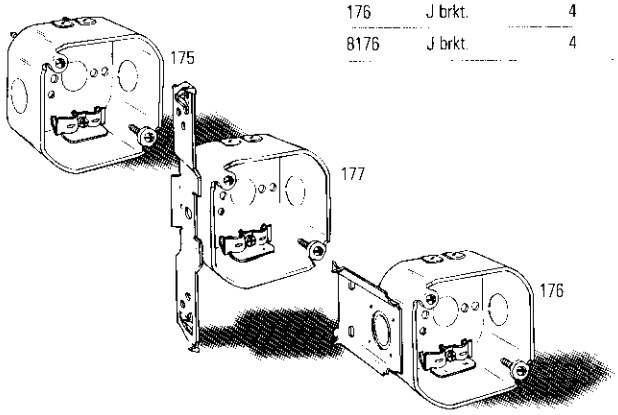
OCTAGON BOXES

4" OCTAGON WITH NON-METALLIC SHEATHED CABLE CLAMPS – 2⅛" DEEP
21.5 CUBIC INCHES

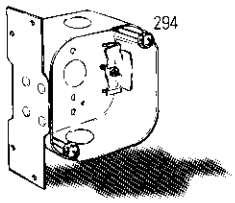
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
175		4	2 – ½"	1 – ½"	50	
8175		4	2 – ½"	1 – ½"	50	
177	TS brkt., ½"	4	1 – ½"	1 – ½"	25	
176	J brkt.	4	2 – ½"	1 – ½"	25	
8176	J brkt.	4	2 – ½"	1 – ½"	25	



4" OCTAGON
CEILING FAN BOX – 2½" DEEP
21.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
294	FA brkt., ½"	2	2 – ½"	1 – ½"	10	

Mounting instructions included.



APPLICATIONS: OCTAGON BOXES

- Boxes may be used in the installation of lighting fixtures.
- RACO boxes may serve as fixture support for fixtures up to 50 pounds.
- RACO Ceiling Fan Box No. 294 is listed for support of ceiling fans up to 35 pounds.

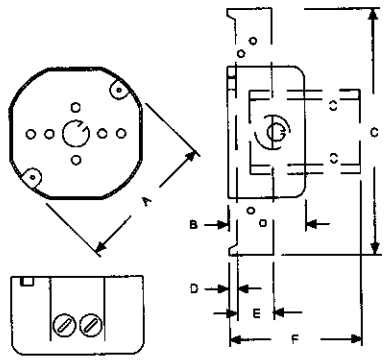
PRODUCT FEATURES: OCTAGON BOXES

- Boxes have clamps for nonmetallic sheathed cable.
- Combination screw heads provide for faster installation.
- Ceiling fan boxes have lock-washers to prevent the high strength screws from loosening from vibration.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on this page.

4" OCTAGON BOXES – 1-1/2" DEEP



RACO NO.	A	B	C	D	E	F
175	4"	2⅛"	—	—	—	—
177	4"	2⅛"	7⁵/₃₂"	½"	1¼"	—
176	4"	2⅛"	—	½"	—	3⅛"
294	4"	2⅛"	5½"	½"	2¼"	—

4" ROUND COVERS

APPLICATIONS: 4" ROUND COVERS

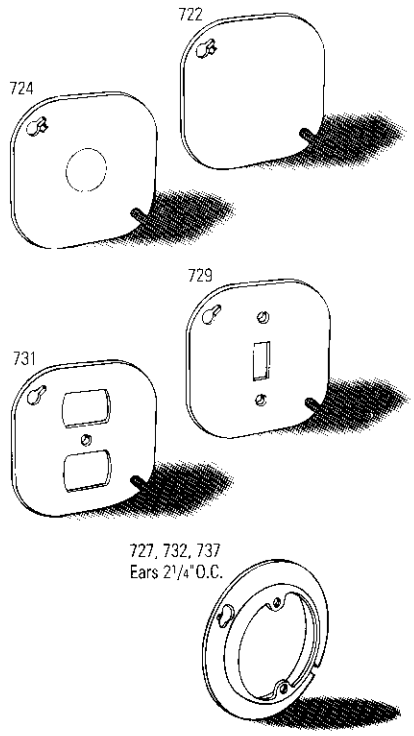
- Covers are used to close an outlet box.
- Switches or receptacles may be installed into octagon boxes by using covers No. 729 or 731.
- Raised covers are used for mounting lighting fixtures.
- Some RACO covers may serve as fixture support for fixtures up to 50 pounds.

COMPLIANCES: 4" ROUND COVERS

- Cat. Nos. 722, 729 and 731 are CSA Certified.
- Complete UL information for these products may be found on page A1.

RACO NO.	DESCRIPTION	CU IN	STD. PKG.	UPC BAR CODE
722	Flat, blank		100	
8722	Flat, blank		100	
724	Flat, ½" KO		100	
8724	Flat, ½" KO		100	
729	Flat, toggle		50	
8729	Flat, toggle		50	
731	Flat, duplex receptacle		50	
8731	Flat, duplex receptacle		50	
737	Raised ½", open	3.0	50	
8737	Raised ½", open	3.0	50	
727	Raised ⅝", open	3.8	100	
732	Raised 1", open	6.5	25	

4" ROUND COVERS



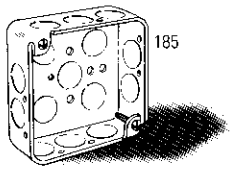
727, 732, 737
Ears 2¹/₄" O.C.

16

4" SQUARE BOXES

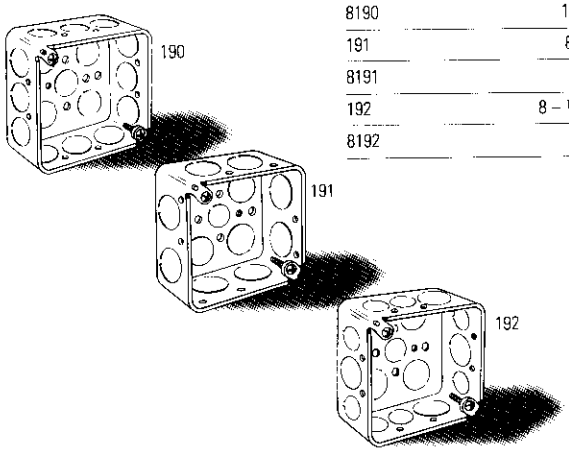
4" SQUARE – 1¼" DEEP – DRAWN
18.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
185		10 – ½"	5 – ½"	50	



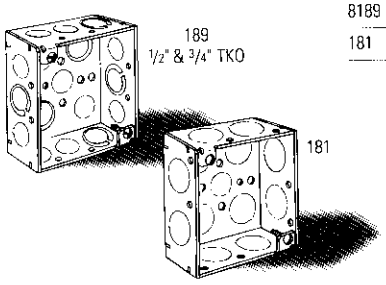
4" SQUARE – 1½" DEEP – DRAWN
21.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
190		12 – ½"	5 – ½"	50	
8190		12 – ½"	5 – ½"	50	
191		8 – ¾"	1 – ½", 4 – ¾"	50	
8191				50	
192		8 – ½", 4 – ¾"	3 – ½", 2 – ¾"	50	
8192				50	



4" SQUARE – 1½" DEEP – WELDED
21.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
189		8 – ½", 4 – TKO	3 – ½", 2 – TKO	50	
8189				50	
181		8 – ¾"	1 – ½", 4 – ¾"	50	



APPLICATIONS: GENERAL

- Boxes are installed in ceilings or walls for lighting fixtures or receptacles.
- For steel studs, the BOX-LOC® (MS) bracket mounts on either side of any depth stud.
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit.

PRODUCT FEATURES: VERSATILE SIDE-MOUNT FM BRACKET BOXES

- Quick installation on flat side of metal or wood studs
- 1/8" gauging tabs locate the box flush with the face of the stud in perfect position for a plaster (mud) ring.
- Bracket is longer and wider than standard bracket to assure a rigid installation and to help prevent the box from being pushed into the wall during drywall installation.
- Combination screw heads provide for faster installation.
- RACO boxes may serve as fixture support for fixtures up to 50 pounds.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

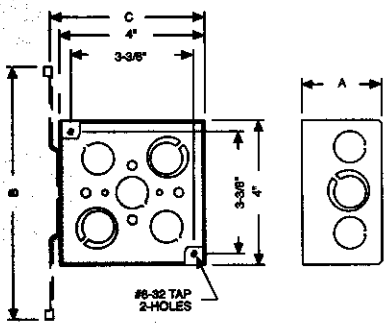
4" SQUARE BOXES

PRODUCT FEATURES:
BOX-LOC® BRACKET BOXES

RACO 4" square steel boxes with BOX-LOC (MS) brackets install quickly, without tools, on any depth metal stud. Press the spring-steel bracket onto the stud and it locks tightly in place. Install it on either the open or closed side of the stud. The bracket sets the box flush with the face of the stud in perfect position for a raised cover.

To remove or reposition it, just release the spring tension. The BOX-LOC bracket is designed for metal studs, but may be used on wood studs as well— this bracket does it all! The bracket is available riveted to 4" square boxes, which are UL Listed without the use of a support screw, and also as a separate bracket (No. 980— see page A43) that attaches easily to any RACO steel 4" square box. Optional far-side support (Cat. No. 978, page A43) snaps into bottom of box.

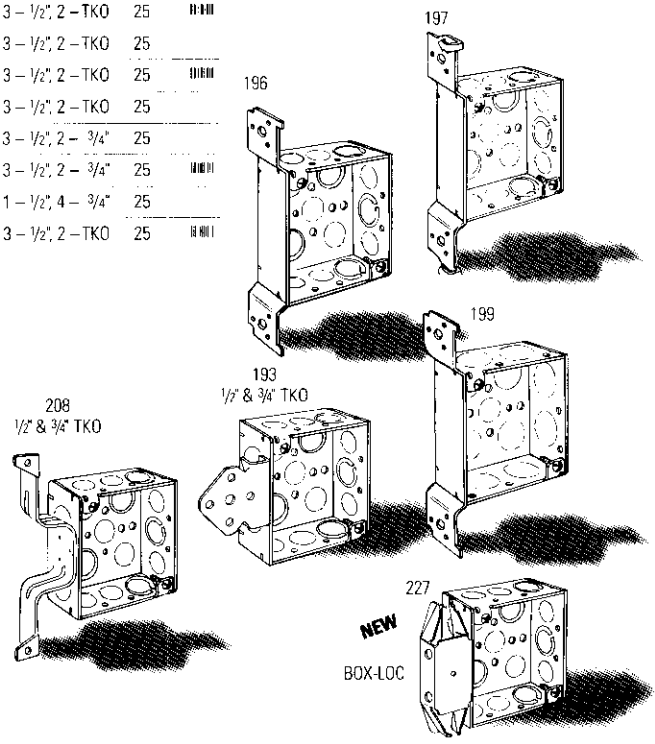
4" SQUARE BOXES



RACO NO.	A	B	C
185	1½"	—	—
190	1½"	—	—
191	1½"	—	—
192	1½"	—	—
189	1½"	—	—
181	1½"	—	—
197	1½"	7⅜"	4⅜"
208	1½"	6¹³⁄₁₆"	5¹⁵⁄₁₆"
193	1½"	2"	6"
196	1½"	6⅞"	4⅜"
199	1½"	6⅞"	4⅜"
227	1½"	4⅝"	5½"
201	1½"	—	—
202	1½"	—	—
203	1½"	—	—
187	1½"	—	—

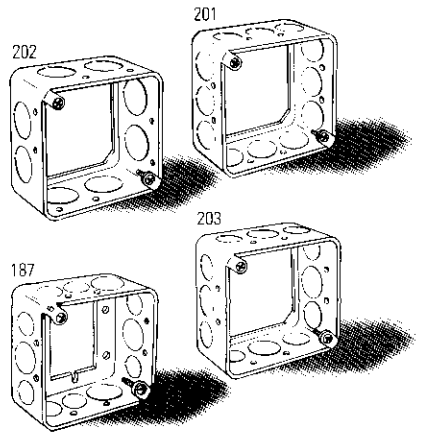
4" SQUARE BRACKETED BOXES – 1½" DEEP 21.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
197	W, flush	6 – ½", 3 – TKO	3 – ½", 2 – TKO	25	
8197	W, flush	6 – ½", 3 – TKO	3 – ½", 2 – TKO	25	
208	W, flush	6 – ½", 3 – TKO	3 – ½", 2 – TKO	25	
8208	W, flush	6 – ½", 3 – TKO	3 – ½", 2 – TKO	25	
193	B, flush	8 – ½", 4 – TKO	3 – ½", 2 – TKO	25	
196	W, flush	6 – ½", 3 – ¾"	3 – ½", 2 – ¾"	25	
8196	W, flush	6 – ½", 3 – ¾"	3 – ½", 2 – ¾"	25	
199	FM, flush	6 – ¾"	1 – ½", 4 – ¾"	25	
227	MS, flush	6 – ½", 3 – TKO	3 – ½", 2 – TKO	25	



4" SQUARE EXTENSION RINGS – 1½" DEEP 22.5 CUBIC INCHES

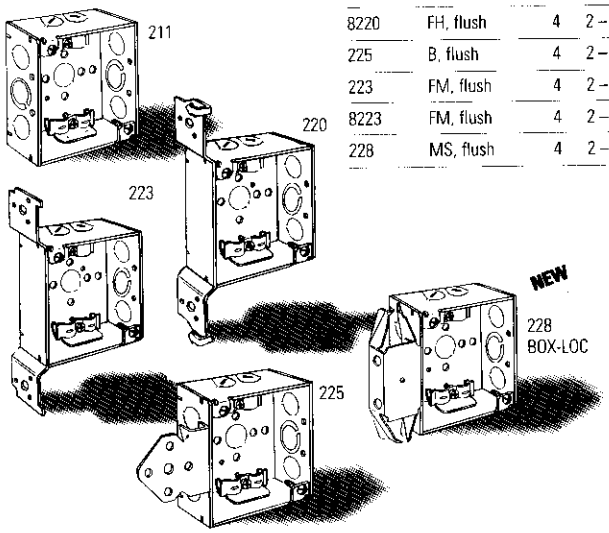
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
201		12 – ½"		50	
8201		12 – ½"		50	
202		8 – ¾"		50	
203		8 – ½", 4 – ¾"		50	
8203		8 – ½", 4 – ¾"		50	
187	Attaches to switch boxes	8 – ½", 4 – ¾"		50	



4" SQUARE BOXES

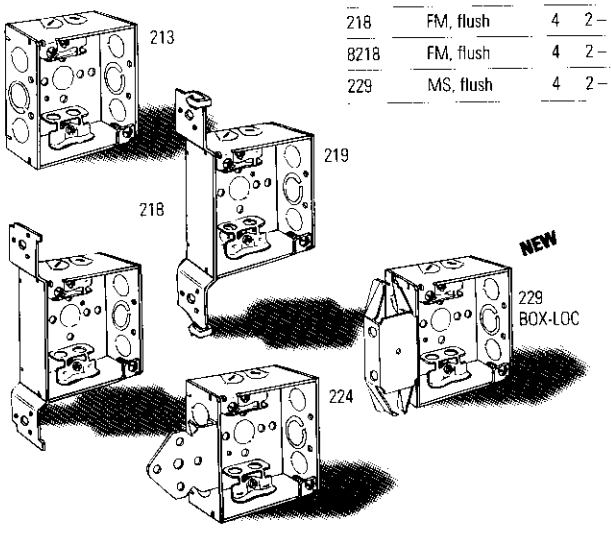
4" SQUARE – 1½" DEEP
WITH NONMETALLIC
SHEATHED CABLE CLAMPS
21.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
211		4	4 – ½", 2 – TKO	1 – ½"	50	
8211		4	4 – ½", 2 – TKO	1 – ½"	50	
220	FH, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
8220	FH, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
225	B, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
223	FM, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
8223	FM, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
228	MS, flush	4	2 – ½", 1 – TKO	1 – ½"	25	



4" SQUARE – 1½" DEEP
WITH ARMORED CABLE/
METAL CLAD CLAMPS
21.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
213		4	4 – ½", 2 – TKO	1 – ½"	50	
219	FH, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
224	B, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
218	FM, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
8218	FM, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
229	MS, flush	4	2 – ½", 1 – TKO	1 – ½"	25	



APPLICATIONS: GENERAL

- Boxes are installed in ceilings or walls for lighting fixtures, switches or receptacles.
- Some boxes have clamps for nonmetallic sheathed cable or metallic cable.
- For steel studs, the BOX-LOC® (MS) bracket mounts on either side of stud.

PRODUCT FEATURES: VERSATILE SIDE-MOUNT FM BRACKET BOXES

- Quick installation on flat side of metal or wood studs
- 1/8" gauging tabs locate the box flush with the face of the stud in perfect position for a plaster (mud) ring.
- Bracket is longer and wider than standard bracket to assure a rigid installation and to help prevent the box from being pushed into the wall during drywall installation.
- Combination screw heads provide for faster installation.
- RACO boxes may serve as fixture support for fixtures up to 50 pounds.

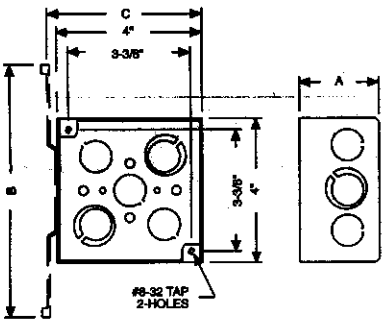
BOX-LOC (MS) BRACKET BOX IS A SNAP TO INSTALL

Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud. Barbed hooks dig into the flat side of the stud, quickly locking it in place.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

4" SQUARE BOXES

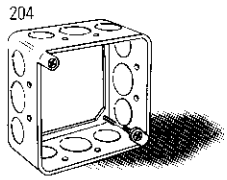


RACO NO.	A	B	C
211	1½"	—	—
213	1½"	—	—
220	1½"	7⅜"	4⅜"
219	1½"	7⅜"	4⅜"
225	1½"	2"	6"
224	1½"	2"	6"
223	1½"	6⅞"	4⅜"
218	1½"	6⅞"	4⅜"
228	1½"	4⅝"	5½"
229	1½"	4⅝"	5½"
232	2⅛"	—	—
231	2⅛"	—	—
233	2⅛"	—	—
235	2⅛"	7⅝₂"	4⅝₁₆"
236	2⅛"	7⅝"	4⅜"
226	1½"	—	—
239	2⅛"	—	—
204	1½"	—	—

4" SQUARE BOXES

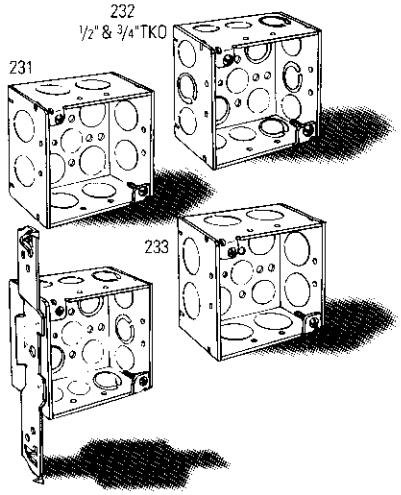
4" SQUARE THRU-THE-WALL BOX – 1½" DEEP 22.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	CU. IN.	STD. PKG.	UPC BAR CODE
204		8 – ½", 4 – ¾"		22.5	50	



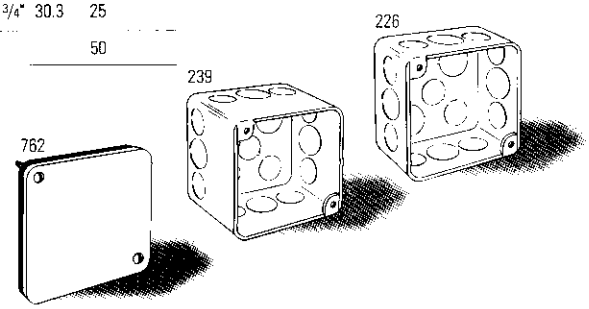
4" SQUARE 2⅛" DEEP 30.3 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
232		8 – ½", 4 – TKO	3 – ½", 2 – TKO	25	
8232		8 – ½", 4 – TKO	3 – ½", 2 – TKO	25	
231		8 – ¾"	1 – ½", 4 – ¾"	25	
8231		8 – ¾"	1 – ½", 4 – ¾"	25	
233		8 – 1"	3 – ½", 2 – ¾"	25	
8233		8 – 1"	3 – ½", 2 – ¾"	25	
235	TS, flush	6 – ½", 3 – TKO	3 – ½", 2 – TKO	25	
8235	TS, flush	6 – ½", 3 – TKO	3 – ½", 2 – TKO	25	
236	FM, flush	6 – ¾"	1 – ½", 4 – ¾"	25	



4" SQUARE PLENUM BOXES & COVER 1½" & 2⅛" DEEP

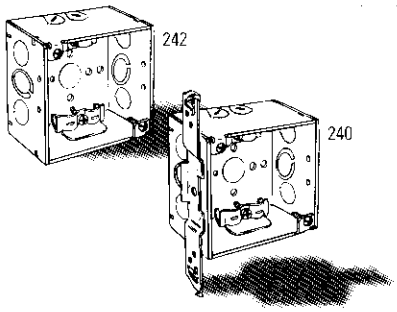
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS BOTTOM	CU. IN.	STD. PKG.	UPC BAR CODE
226	1½" Deep	8 – ½", 4 – ¾"	3 – ½", 2 – ¾"	21.0	50	
239	2⅛" Deep	8 – ½", 4 – ¾"	3 – ½", 2 – ¾"	30.3	25	
762	For 4" square boxes				50	



4" SQUARE BOXES & PARTITIONS

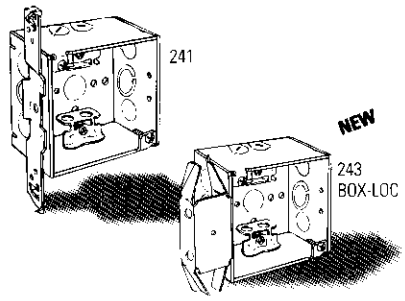
4" SQUARE – 2⅛" DEEP WITH NONMETALLIC SHEATHED CABLE CLAMPS 30.3 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
242		4	4 – ½", 2 – TKO	1 – ½"	25	
240	TS, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
8240	TS, flush	4	2 – ½", 1 – TKO	1 – ½"	25	



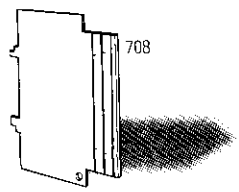
4" SQUARE – 2⅛" DEEP WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS 30.3 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES CABLE	SIDES COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
241	TS, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
8241	TS, flush	4	2 – ½", 1 – TKO	1 – ½"	25	
243	MS, flush	4	2 – ½", 1 – TKO	1 – ½"	25	



4" SQUARE BOX PARTITIONS FOR 1½" & 2⅛" DEEP BOXES

RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
For 1½" Deep Box and 2-Gang Raised Cover:			
706	¼", ½", ¾" or 1"	25	
708	1¼", 1½", or 2"	25	
For 2⅛" Deep Box and 2-Gang Raised Cover:			
707	¼", ½", ¾" or 1"	25	
709	1¼", 1½", or 2"	25	



Partition divides 4" square boxes into two compartments. Use with two-device covers which have a slot for the partition. Order boxes and covers together. Partition is scored for use with a variety of covers.

APPLICATIONS: 4" SQUARE STEEL BOXES

- Boxes are installed in ceilings or walls for lighting fixtures, switches or receptacles.
- Some boxes have clamps for nonmetallic sheathed cable or metallic cable.
- For steel studs, the BOX-LOC® bracket mounts on either side of stud.

PRODUCT FEATURES: 4" SQUARE STEEL BOXES

- Bracket boxes install quickly on flat side of metal or wood studs.
- Combination screw heads provide for faster installation.
- RACO boxes may serve as fixture support for fixtures up to 50 pounds.

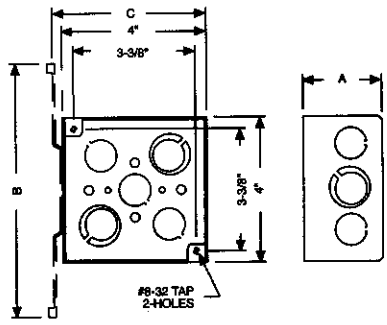
APPLICATIONS: LOW VOLTAGE PARTITIONS

- Low voltage partitions may be added to conduit-type boxes to divide power from voice/data.
- Must be used with raised covers

PRODUCT FEATURES: LOW VOLTAGE PARTITIONS

- Partition is scored, so it can be broken at the proper depth. *Helpful hint:* Assemble the box with the partition in place before breaking off at the scored tab. This will prevent you from breaking off more tab than needed.

4" SQUARE BOXES



RACO NO.	A	B	C
240	2⅛"	7⅞"	4⅝"
241	2⅛"	7⅝"	4⅝"
242	2⅛"	—	—
243	2⅛"	4⅝"	5½"

4" SQUARE COVERS

APPLICATIONS: 4" SQUARE STEEL COVERS

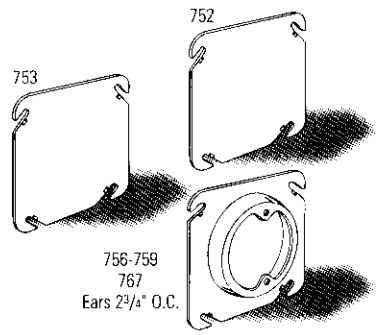
- Covers are used to close an outlet box.
- Raised device covers are used for mounting switches or receptacles.
- Covers are available for mounting one or two devices
- Some RACO covers may serve as fixture support for fixtures up to 50 pounds.
- Angled mounting slots compensate up to 12° for box misalignment.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

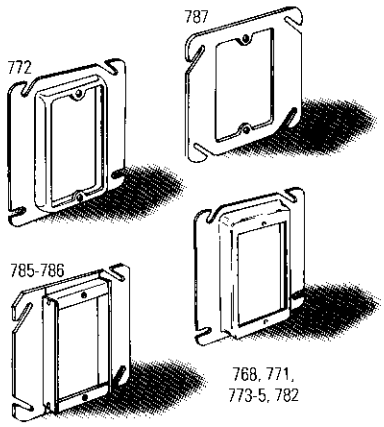
RACO NO.	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
752	Flat, blank		50	
8752	Flat, blank		50	
753	Flat, 1/2" KO		50	
8753	Flat, 1/2" KO		50	
767	Raised 1/2", open	3.0	25	
8767	Raised 1/2", open	3.0	25	
756	Raised 5/8", open	4.0	100	
8756	Raised 5/8", open	4.0	100	
759	Raised 3/4", open	5.0	25	
757	Raised 1", open	6.8	25	
758	Raised 1/4", open	8.5	25	

4" SQUARE COVERS



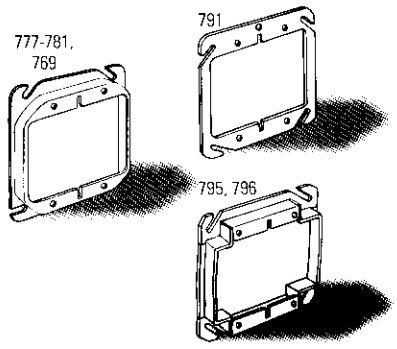
RACO NO.	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
787	Flat		50	
8787	Flat		50	
771	Raised 1/4"	1.5	100	
8771	Raised 1/4"	1.5	100	
772	Raised 1/2", drawn	3.5	100	
8772	Raised 1/2", drawn	3.5	100	
782	Raised 1/2", tile	3.5	25	
8782	Raised 1/2", tile	3.5	25	
768	Raised 5/8"	4.5	50	
8768	Raised 5/8"	4.5	50	
773	Raised 3/4"	5.5	50	
8773	Raised 3/4"	5.5	50	
774	Raised 1"	7.5	25	
775	Raised 1 1/4"	9.5	25	
785	Raised 1 1/2"	11.3	25	
786	Raised 2"	14.5	25	

4" SQUARE COMBINATION DEVICE AND TILE COVERS SINGLE DEVICE



RACO NO.	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
791	Flat		50	
8791	Flat		50	
777	Raised 1/4"	3.0	50	
778	Raised 1/2"	5.5	50	
8778	Raised 1/2"	5.5	50	
769	Raised 5/8"	7.3	50	
8769	Raised 5/8"	7.3	50	
779	Raised 3/4"	8.8	50	
8779	Raised 3/4"	8.8	50	
780	Raised 1"	12.0	25	
781	Raised 1 1/4"	15.0	25	
795	Raised 1 1/2"	15.5	25	
796	Raised 2"	20.5	25	

4" SQUARE COMBINATION DEVICE AND TILE COVERS TWO DEVICE

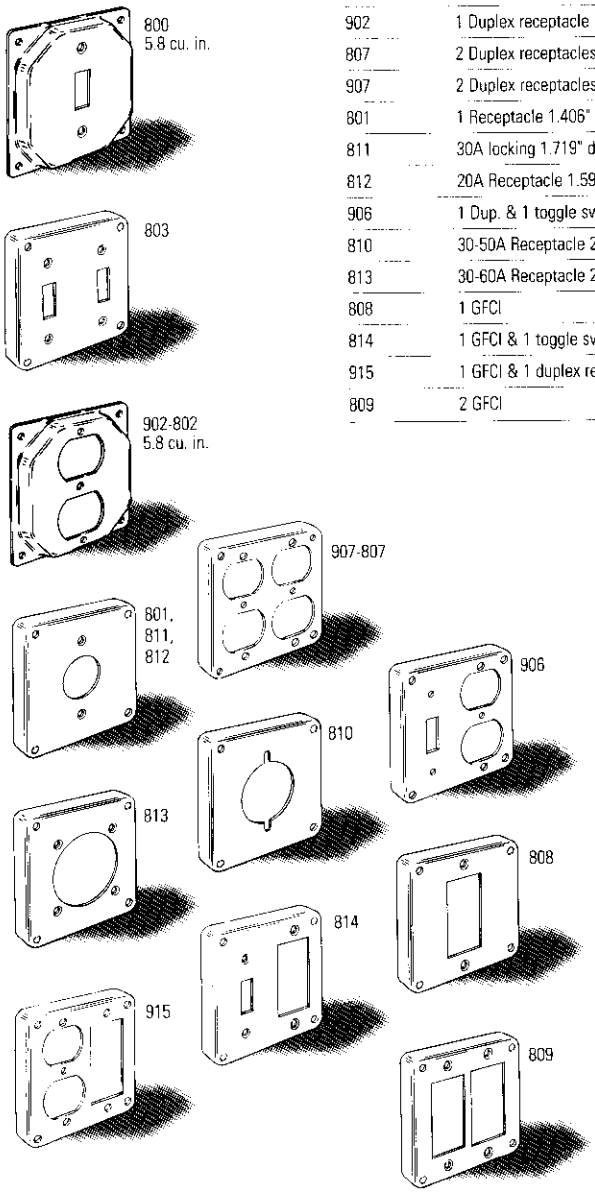


22

4" SQUARE COVERS

4" SQUARE SURFACE COVERS
RAISED ½"
7.3 CUBIC INCHES

RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
800	1 Toggle switch	25	
803	2 Toggle switches	10	
802	1 Duplex receptacle	25	
902	1 Duplex receptacle	25	
807	2 Duplex receptacles	25	
907	2 Duplex receptacles	25	
801	1 Receptacle 1.406" dia.	10	
811	30A locking 1.719" dia.	10	
812	20A Receptacle 1.594" dia.	10	
906	1 Dup. & 1 toggle switch	10	
810	30-50A Receptacle 2.156" dia.	10	
813	30-60A Receptacle 2.625" dia.	10	
808	1 GFCI	10	
814	1 GFCI & 1 toggle switch	10	
915	1 GFCI & 1 duplex receptacle	10	
809	2 GFCI	10	



APPLICATIONS:
EXPOSED WORK COVERS

- Exposed work covers are used to support switches or receptacles independent of the box (box must still be used).
- RACO 900 series covers (featured at left) meet NEC Article 410-56(I) for mounting the device with more than one screw.

PRODUCT FEATURES:
EXPOSED WORK COVERS

- RACO 900 series covers include additional hardware for mounting the receptacle.
- Hardware and cover are packed in a poly-bag with printed catalog number, compliances and installation instructions.
- *Helpful Hint:* Remove a portion of the GFCI receptacle ear to mount device to 4" square cover.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

4 11/16" SQUARE BOXES

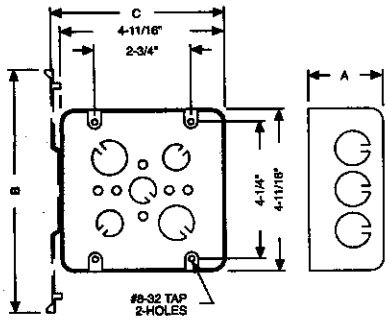
APPLICATIONS:
4-11/16" SQUARE STEEL BOXES

- Boxes are used for a wide variety of industrial applications where larger-sized conductors or wiring devices are needed and more volume is required.
- RACO boxes can serve as fixture support for fixtures up to 50 pounds

PRODUCT FEATURES:
4-11/16" SQUARE STEEL BOXES

- Combination screw heads provide for faster installation.
- Bracket box may be used on metal or wood studs.

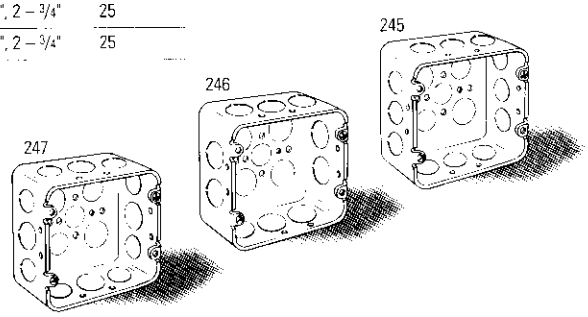
4-11/16" SQUARE BOXES



RACO NO.	A	B	C
245	1 1/2"	—	—
246	1 1/2"	—	—
247	1 1/2"	—	—
257	2 1/8"	—	—
258	2 1/8"	—	—
259	2 1/8"	—	—
265	2 1/8"	—	—
254	2 1/8"	7 5/8"	5 1/16"

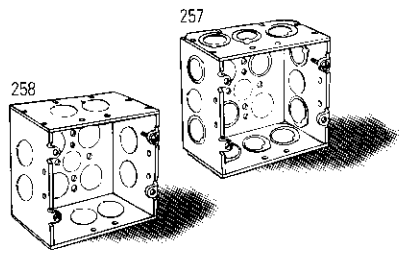
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
245		12 – 1/2"	3 – 1/2", 2 – 3/4"	25	
246		10 – 3/4"	3 – 1/2", 2 – 3/4"	25	
247		8 – 1/2", 4 – 3/4"	3 – 1/2", 2 – 3/4"	25	

4 11/16" SQUARE BOXES
1 1/2" DEEP
29.5 CUBIC INCHES

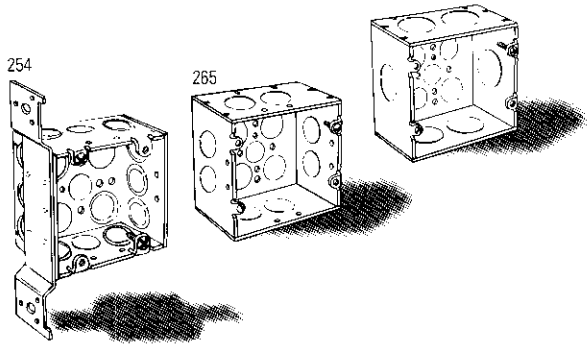


RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
257		2 – 1/2", 10 – TKO	1 – 1/2", 2 – 3/4" 2 – TKO	25	
8257		2 – 1/2", 10 – TKO	1 – 1/2", 2 – 3/4" 2 – TKO	25	
258		8 – 1"	3 – 1/2", 2 – 3/4"	25	
259		6 – 1 1/4"	3 – 1/2", 2 – 3/4"	25	
265		4 – 3/4", 4 – 1"	3 – 1/2", 2 – 3/4"	25	
8265		4 – 3/4", 4 – 1"	3 – 1/2", 2 – 3/4"	25	
254	FM brkt.	2 – 1/2", 7 – TKO	1 – 1/2", 2 – 3/4" 2 – TKO	25	

4 11/16" SQUARE BOXES
2 1/8" DEEP
42.0 CUBIC INCHES



NEW



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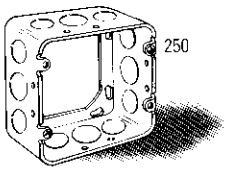
4 11/16" SQUARE EXTENSIONS & COVERS

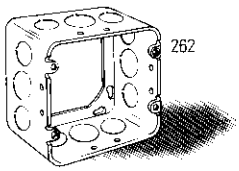
4 11/16" SQUARE EXTENSION 1 1/2" DEEP 29.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
250		8 – 1/2", 4 – 3/4"		25	



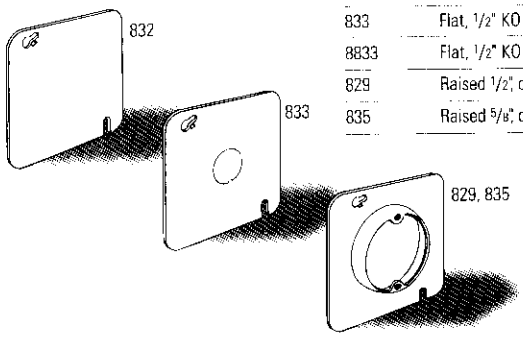
4 11/16" SQUARE EXTENSION 2 1/8" DEEP 43.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
262		8 – 1/2", 4 – 3/4"		25	



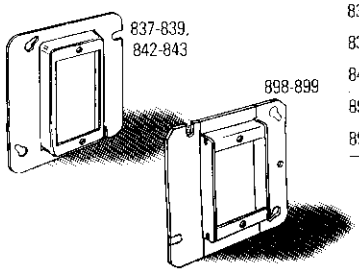
4 11/16" SQUARE COVERS

RACO NO.	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
832	Flat, blank		50	
833	Flat, 1/2" KO		50	
8833	Flat, 1/2" KO		50	
829	Raised 1/2", open	3.0	25	
835	Raised 5/8", open	4.0	25	



4 11/16" SQUARE COMBINATION DEVICE AND TILE COVERS SINGLE DEVICE

RACO NO.	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
837	Raised 1/2"	3.5	25	
843	Raised 5/8"	4.5	25	
838	Raised 3/4"	5.5	25	
839	Raised 1"	7.5	25	
842	Raised 1 1/4"	9.5	25	
898	Raised 1 1/2"	11.3	20	
899	Raised 2"	16.0	20	



APPLICATIONS: 4-11/16" EXTENSION RINGS

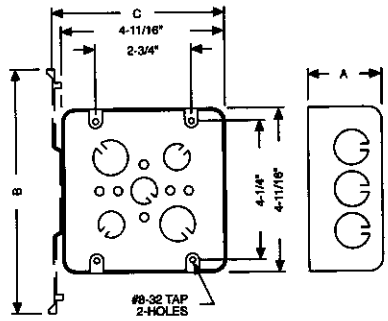
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit.

APPLICATIONS: 4-11/16" COVERS

- Covers are used to close an outlet box.
- Raised covers are used for mounting lighting fixtures.
- Raised device covers are used for mounting switches or receptacles. Covers are available for mounting one or two devices.
- Some RACO covers may serve as fixture support for fixtures up to 50 pounds.
- Angled mounting slots compensate up to 12° for box misalignment.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliance that apply to the products on these two pages.



RACO NO.	A	B	C
250	1 1/2"	—	—
262	2 1/8"	—	—

4 11/16" SQUARE COVERS

4/16/96

APPLICATIONS:
4-11/16" RAISED COVERS

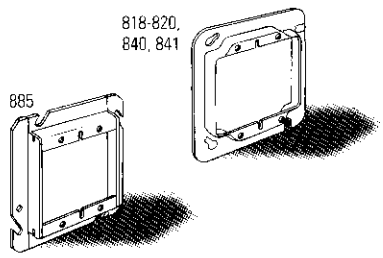
- Raised device covers are for mounting switches or receptacles. Covers are available for mounting one or two devices.
- Low voltage partitions may be added to conduit type boxes to divide power from voice/data.
- Some RACO covers may serve as fixture support for fixtures up to 50 pounds.
- Exposed work covers are used to support switches or receptacles independent of the box.

PRODUCT FEATURES:
4-11/16" RAISED COVERS

- RACO 900 series covers meet NEC Article 410-56(I) for mounting the device by more than one screw.
- RACO 900 Series covers include additional hardware needed for mounting the receptacle.
- Hardware and cover are packed in a poly-bag printed with catalog number, compliances and installation instructions.

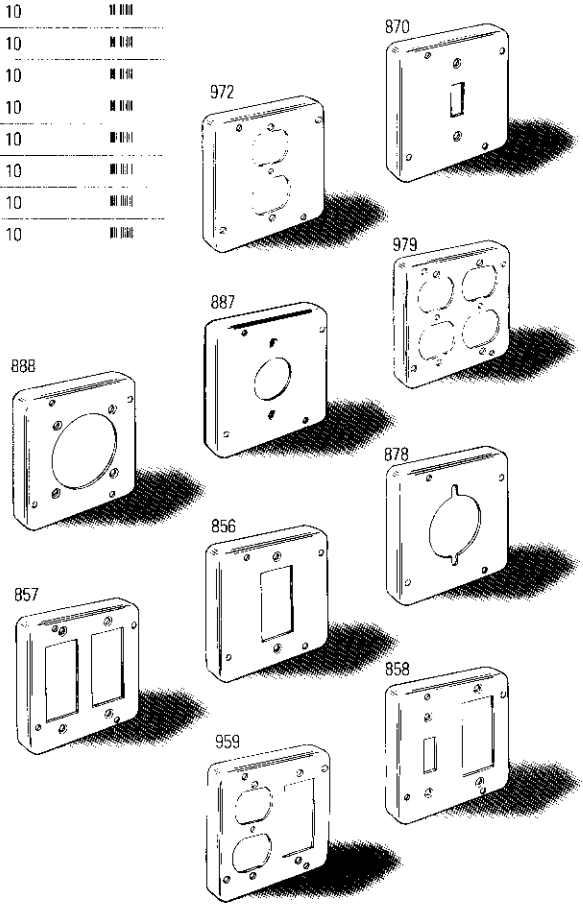
RACO NO.	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
841	Raised 1/2"	5.5	25	
818	Raised 5/8"	7.3	25	
840	Raised 3/4"	8.8	25	
819	Raised 1"	12.0	25	
820	Raised 1 1/4"	15.0	25	
885	Raised 1 1/2"	15.5	20	

4 11/16" SQUARE COMBINATION DEVICE AND TILE COVERS
TWO DEVICE



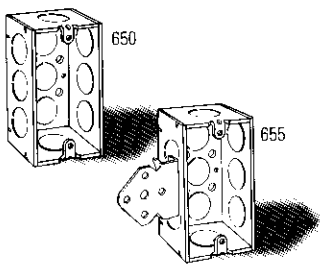
RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
870	1 Toggle switch	10	
972	1 Duplex receptacle	10	
979	2 Duplex receptacles	10	
887	20A Receptacle 1.594" dia.	10	
888	30-60A Receptacle 2.625" dia.	10	
878	30-50A Receptacle 2.156" dia.	10	
856	1 Decorator dev. or GFCI	10	
857	2 Decorator dev. or GFCI	10	
858	1 Toggle & 1 GFCI	10	
959	1 Duplex & 1 GFCI	10	

4 11/16" SQUARE SURFACE COVERS
RAISED 1/2"
10.3 CUBIC INCHES



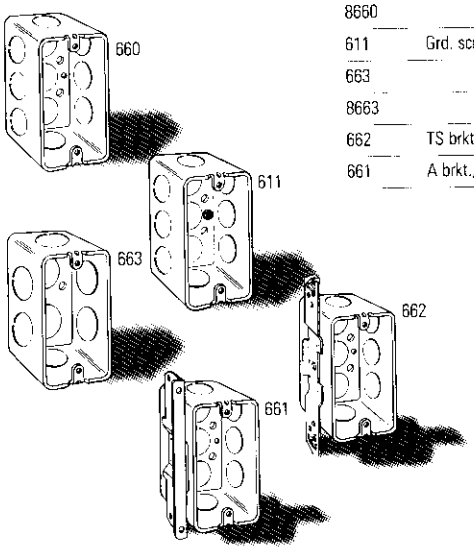
HANDY BOXES

HANDY BOXES – 1½" DEEP
11.5 CUBIC INCHES



RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
650		6 – ½"	2 – ½"	3 – ½"	50	
8650		6 – ½"	2 – ½"	3 – ½"	50	
655	B brkt., ¼"	3 – ½"	2 – ½"	3 – ½"	50	

HANDY BOXES – 1⅞" DEEP
13.0 CUBIC INCHES



RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
660		6 – ½"	2 – ½"	3 – ½"	50	
8660		6 – ½"	2 – ½"	3 – ½"	50	
611	Grd. screw	6 – ½"	2 – ½"	3 – ½"	50	
663		4 – ¾"	2 – ¾"	2 – ¾"	50	
8663		4 – ¾"	2 – ¾"	2 – ¾"	50	
662	TS brkt., ½"	3 – ½"	2 – ½"	3 – ½"	50	
661	A brkt., ⅝"	3 – ½"	2 – ½"	3 – ½"	50	

APPLICATIONS:
STEEL HANDY BOXES

- Handy Boxes, also called utility boxes, are used for convenience outlets, switch boxes or small junction boxes. They are popular for surface-mounted wiring. The NEC requires that surface-mounted wiring be protected with a protective covering such as EMT conduit.
- Bracketed boxes may be used on metal or wood studs.

COMPLIANCES

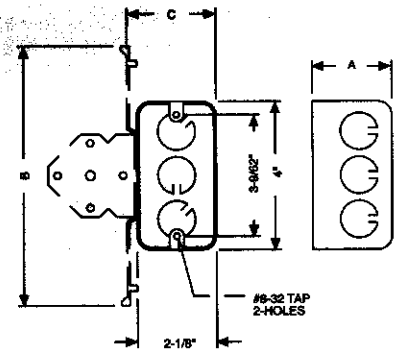
Cat. No. 611 Handy Box is also CSA Certified. Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

HANDY BOXES

APPLICATIONS:
HANDY BOX EXTENSION

- **Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit.**

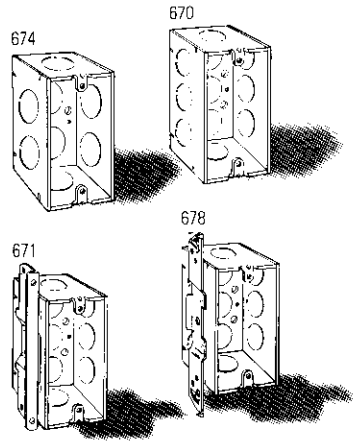
STEEL HANDY BOXES



RACO NO.	A	B	C
650	1½"	—	—
655	1½"	—	—
660	1⅞"	—	—
611	1⅞"	—	—
663	1⅞"	—	—
662	1⅞"	7"	2⅜"
661	1⅞"	6⁷/₁₆"	2¹¹/₃₂"
670	2⅛"	—	—
674	2⅛"	—	—
678	2⅛"	7"	2⅜"
671	2⅛"	7"	2⅜"
653	1½"	—	—
665	1⅞"	—	—

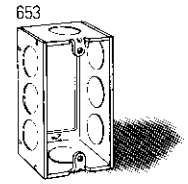
HANDY BOXES – 2⅛" DEEP
16.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
670		6 – ½"	2 – ½"	3 – ½"	50	
8670		6 – ½"	2 – ½"	3 – ½"	50	
674		4 – ¾"	2 – ¾"	2 – ¾"	50	
8674		4 – ¾"	2 – ¾"	2 – ¾"	50	
678	TS brkt., ½"	3 – ½"	2 – ½"	3 – ½"	50	
8678		3 – ½"	2 – ½"	3 – ½"	50	
671	A brkt., ⅝"	3 – ½"	2 – ½"	3 – ½"	50	



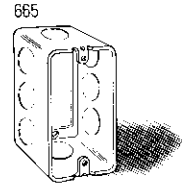
HANDY BOX EXTENSION
1½" DEEP
11.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
653		6 – ½"	2 – ½"		50	



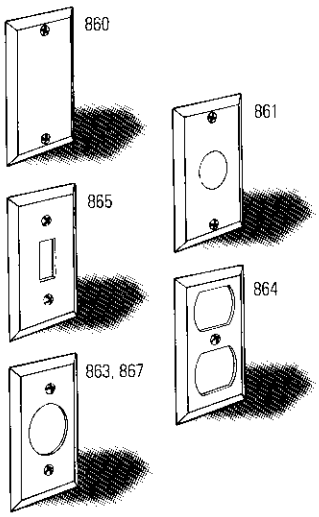
HANDY BOX EXTENSION
1½" DEEP
13.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
665		6 – ½"	2 – ½"		50	
8665		6 – ½"	2 – ½"		50	



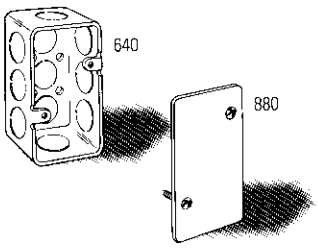
HANDY BOXES & COVERS

HANDY BOX COVERS



RACO NO.	DESCRIPTION	UNIT CTN.	STD. PKG.	UPC BAR CODE
860	Blank	25	100	
8860	Blank	25	100	
861	½" KO	25	100	
8861	½" KO	25	100	
865	Toggle switch	25	100	
8865	Toggle switch	25	100	
864	Duplex receptacle	25	100	
8864	Duplex receptacle	25	100	
863	Single receptacle 1.406" dia.	25	100	
8863	Single receptacle 1.406" dia.	25	100	
867	20A Receptacle 1.594" dia.	25	100	
8867	20A Receptacle 1.594" dia.	25	100	

INDUSTRIAL HANDY BOX & COVER
1½" DEEP
7.3 CUBIC INCHES



RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
640	3¼" x 1½"	6 – ½"	2 – ½"	3 – ½"	50	
880	Blank cover & captive screws				50	

APPLICATIONS:
STEEL HANDY BOX COVERS

- Handy Box covers are used to close a Handy Box.
- Covers also may be used as single-gang wall plates.

PRODUCT FEATURES:
STEEL HANDY BOX COVERS

- RACO Handy Boxes have a series of covers designed to match the contours of the box.
- All covers have captive screws.

APPLICATIONS:
INDUSTRIAL HANDY BOX

- RACO's Industrial Handy Box is designed for OEM and other industrial applications.
- May be used for motor or control circuits on machinery

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

SWITCH BOXES
SINGLE-GANG

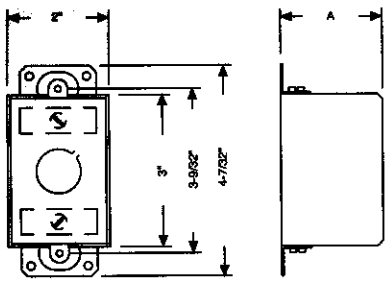
APPLICATIONS:
STEEL SWITCH BOXES

- Shallow switch boxes are made for use with furring strips and 1/4" paneling.
- Wiring method may be nonmetallic sheathed cable or conduit.

PRODUCT FEATURES:
STEEL SWITCH BOXES

- Shallow boxes have a "D" bracket that is scored, so it may be broken off if needed.
- One-inch-deep switch boxes are nongangable.
- 1-1/2" deep box is gangable. This provides the option of constructing a box to hold two or more devices.
- Plaster ears allow the box to be used in "old work" applications.

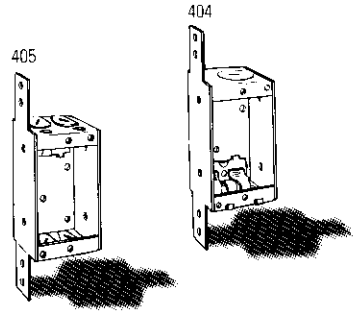
SWITCH BOX 1-1/2" DEEP



RACO NO.	A
400	1½"

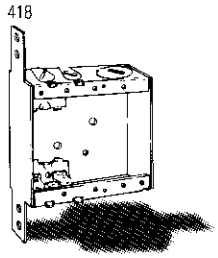
3¾" x 2" SWITCH BOXES 1" DEEP – NONGANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS 6.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
404	Q clamp		2	1 – ½"		25	
405	Q clamp		4			25	



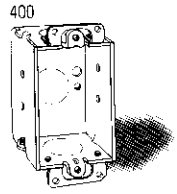
4" x 4" SWITCH BOX – 1" DEEP NONGANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS 14.8 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
418	(2) Q clamp		4	2 – ½"		25	



3" x 2" SWITCH BOX – 1½" DEEP GANGABLE WITH CONDUIT KO's 7.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	ENDS	BOTTOM	STD. PKG.	UPC BAR CODE
400	Ears		2 – ½"	1 – ½"	50	

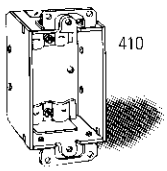


30

SWITCH BOXES
SINGLE-GANG

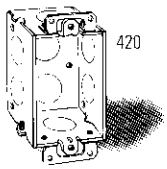
3" x 2" SWITCH BOX – 1½" DEEP
NONGANGABLE WITH
NONMETALLIC SHEATHED
CABLE CLAMPS
7.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
410	Ears		4			50	
8410	Ears		4			50	


410

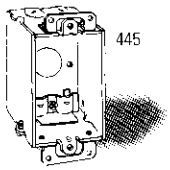
3" x 2" SWITCH BOX – 2" DEEP
GANGABLE WITH
CONDUIT KO's
10.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	ENDS	BOTTOM	STD. PKG.	UPC BAR CODE
420	Ears	4 – ½"	2 – ½"	2 – ½"	50	
8420	Ears	4 – ½"	2 – ½"	2 – ½"	50	


420

3" x 2" SWITCH BOX
2" DEEP – GANGABLE WITH
NONMETALLIC SHEATHED
CABLE CLAMPS
10.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
445	Ears		4		1 – ½"	50	

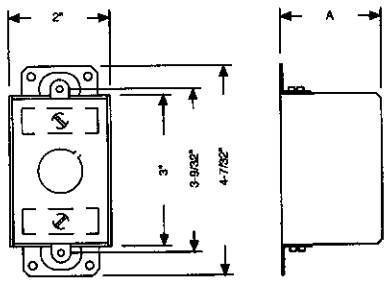

445

APPLICATIONS:
STEEL SWITCH BOXES
- Wiring method may be nonmetallic sheathed cable or conduit.

PRODUCT FEATURES:
STEEL SWITCH BOXES
- Gangable switch boxes offer the option of constructing a box to hold two or more devices.
- Plaster ears allow box to be used in "old work" applications.

COMPLIANCES
Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

STEEL SWITCH BOXES



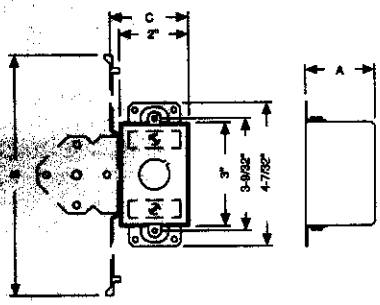
RACO NO.	A
410	1½"
420	2"
445	2"
440	2"

SWITCH BOXES
SINGLE-GANG, GANGABLE

APPLICATIONS:
GANGABLE SWITCH BOXES
- Wiring method may be metallic or nonmetallic sheathed cable, or flexible metal conduit.

PRODUCT FEATURES:
GANGABLE SWITCH BOXES
- Gangable boxes offer the option of constructing a box to hold two or more devices.
- Beveled corner boxes are designed to prevent the clamp screws from protruding into back wall.
- Plaster ears allow box to be used in "old work" applications.

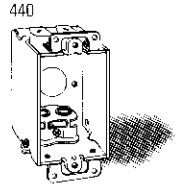
STEEL SWITCH BOXES



RACO NO.	A	B	C
471	2¼"	—	—
473	2¼"	—	—
487	2¼"	—	—

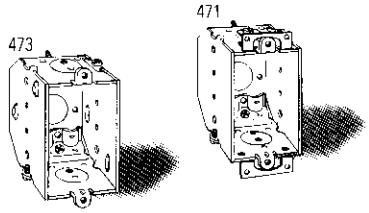
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
440	Ears		4		1 – ½"	50	

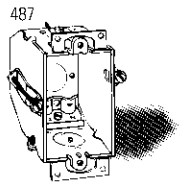
3" x 2" SWITCH BOX
2" DEEP – GANGABLE WITH
ARMORED CABLE/
METAL CLAD/FLEX CLAMPS
10.0 CUBIC INCHES



RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
471	Ears		4		1 – ½"	50	
8471	Ears		4		1 – ½"	50	
473	Level bumps		4	2 – ½"	1 – ½"	50	
8473	Level bumps		4	2 – ½"	1 – ½"	50	
487	Old work, Griptite		4		1 – ½"	20	

SWITCH BOXES – 2¼" DEEP
GANGABLE – BEVELED
CORNERS – WITH NON-
METALLIC SHEATHED
CABLE CLAMPS
10.5 CUBIC INCHES

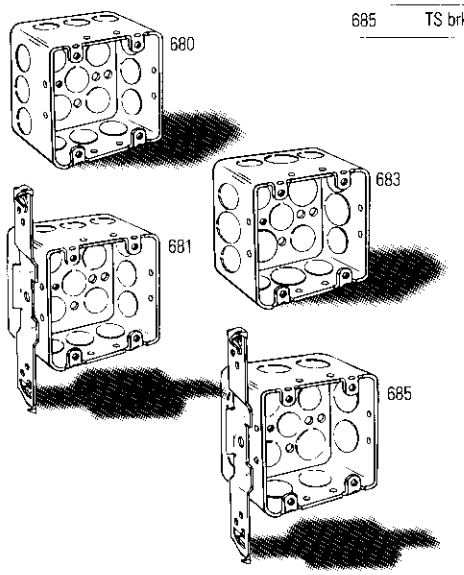




SWITCH BOXES
TWO-GANG, MULTI-GANG

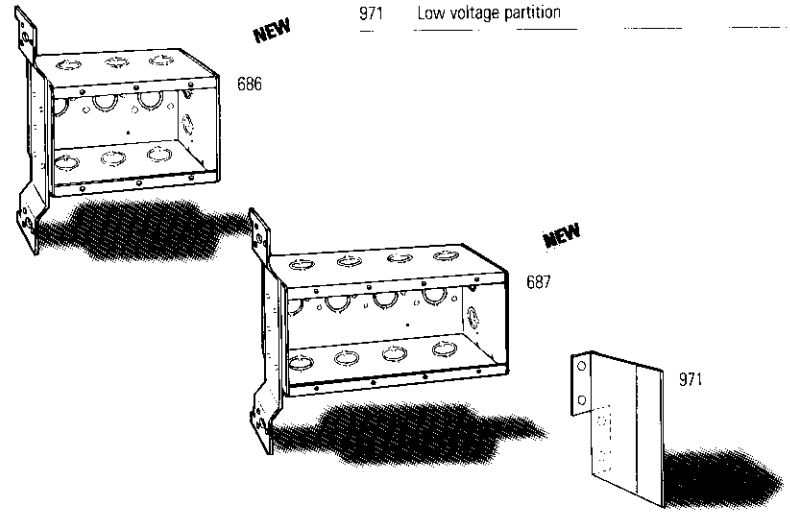
SWITCH BOXES – 2⅛" DEEP TWO-DEVICE BOXES – 4" SQUARE WITH CONDUIT KO's 30.3 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
680		12 – 1/2"	5 – 1/2"	25	
683		8 – 1/2", 4 – 3/4"	3 – 1/2" 2 – 3/4"	25	
681	TS brkt., 1/2"	9 – 1/2"	5 – 1/2"	25	
685	TS brkt., 1/2"	6 – 3/4"	3 – 1/2", 2 – 3/4"	25	



SWITCH BOXES – 2½" DEEP MULTI-DEVICE BOXES WITH CONDUIT KO's

RACO NO.	NO. OF GANGS	WIDTH	KNOCKOUTS TOP	KNOCKOUTS BOTTOM	KNOCKOUTS BACK	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
686	3	5 19/32"	6	2	3	47.8	10	
687	4	7 19/32"	8	2	4	63.5	10	
971	Low voltage partition						25	



APPLICATIONS:
MULTI-GANG SWITCH BOXES

- Installers can save time and cut installation costs with multi-gang switch boxes. These larger capacity boxes are ideal for today's designs where there is a need to install more than two devices at one location.

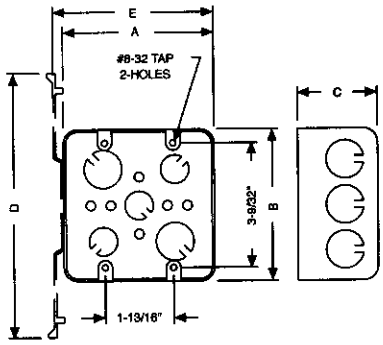
PRODUCT FEATURES:
MULTI-GANG SWITCH BOXES

- Mount on metal or wood studs
- No plaster ring needed
- No far-side support needed for wood studs
- Bracketed boxes are set back 1/2 inch, eliminating the need for a plaster ring — meaning additional savings!

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

MULTI-GANG SWITCH BOXES



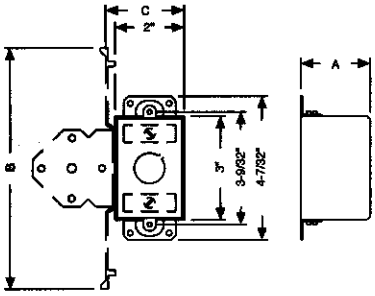
RACO NO.	A	B	C	D	E
680	4"	4"	2⅛"	—	—
683	4"	4"	2⅛"	—	—
681	4"	4"	2⅛"	7"	4 9/32"
685	4"	4"	2⅛"	7"	4 9/32"
686	5 9/16"	3¾"	2½"	7⅝"	5 31/32"
687	7 3/8"	3¾"	2½"	7⅝"	7 25/32"

SWITCH BOXES
GANGABLE, OLD WORK

APPLICATIONS:
OLD WORK SWITCH BOXES
- Wiring method may be conduit or cable connector.

PRODUCT FEATURES:
OLD WORK SWITCH BOXES
- Gangable switch boxes offer the option of constructing a box to hold two or more devices.
- Bracketed boxes provide fast and accurate means to mount the box to wood or metal studs.
- Plaster ears allow the box to be used in "old work" applications.

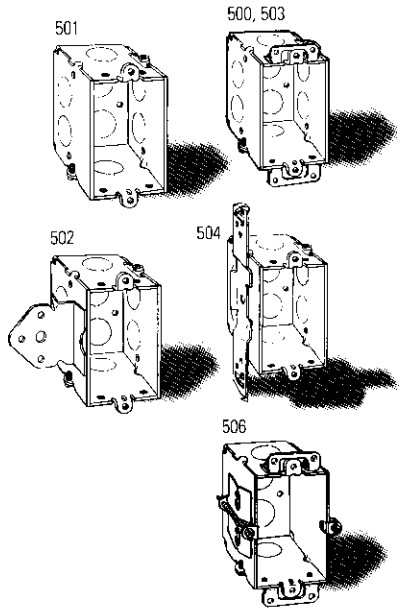
OLD WORK SWITCH BOXES



RACO NO.	A	B	C
500	2 1/2"	—	—
503	2 1/2"	—	—
501	2 1/2"	—	—
504	2 1/2"	7 5/32"	2 5/16"
502	2 1/2"	2"	4"
506	2 1/2"	—	—
508	2 1/2"	—	—

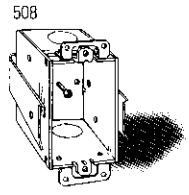
SWITCH BOXES – 2 1/2" DEEP
GANGABLE WITH
CONDUIT KO's
12.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
500	Ears	4 – 1/2"	2 – 1/2"	2 – 1/2"	50	
8500	Ears	4 – 1/2"	2 – 1/2"	2 – 1/2"	50	
503	Ears	4 – 3/4"	2 – 3/4"	2 – 1/2"	50	
501		4 – 1/2"	2 – 1/2"	2 – 1/2"	50	
8501		4 – 1/2"	2 – 1/2"	2 – 1/2"	50	
504	TS brkt., 1/2"	2 – 1/2"	2 – 1/2"	2 – 1/2"	50	
8504	TS brkt., 1/2"	2 – 1/2"	2 – 1/2"	2 – 1/2"	10	
502	B brkt., 1/8"	4 – 1/2"	2 – 1/2"	2 – 1/2"	10	
506	Old work, Tigergrip		2 – 1/2"	2 – 1/2"	20	



SWITCH BOX – 2 1/2" DEEP
NONGANGABLE WITH
CONDUIT KO's
12.5 CUBIC INCHES

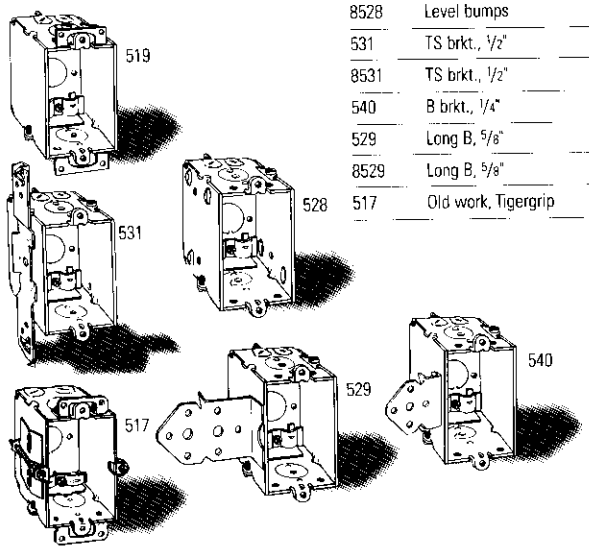
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
508	Old work		2 – 1/2"		20	



SWITCH BOXES
NONMETALLIC SHEATHED CABLE CLAMPS

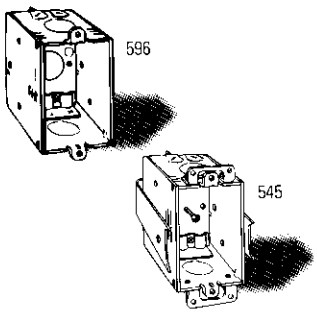
SWITCH BOXES – 2½" DEEP GANGABLE – WITH NONMETALLIC SHEATHED CABLE CLAMPS 12.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
519	Ears		4		1 – ½"	50	
8519	Ears		4		1 – ½"	50	
528	Level bumps		4	2 – ½"	1 – ½"	50	
8528	Level bumps		4	2 – ½"	1 – ½"	50	
531	TS brkt., ½"		4	2 – ½"	1 – ½"	50	
8531	TS brkt., ½"		4	2 – ½"	1 – ½"	50	
540	B brkt., ¼"		4	2 – ½"	1 – ½"	50	
529	Long B, ⅝"		4	2 – ½"	1 – ½"	50	
8529	Long B, ⅝"		4	2 – ½"	1 – ½"	50	
517	Old work, Tigergrip		4		1 – ½"	20	



SWITCH BOXES – 2½" DEEP NONGANGABLE – WITH NONMETALLIC SHEATHED CABLE CLAMPS 12.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
596			4	2 – ½"	1 – ½"	50	
545	Old work		4	2 – ½"		20	



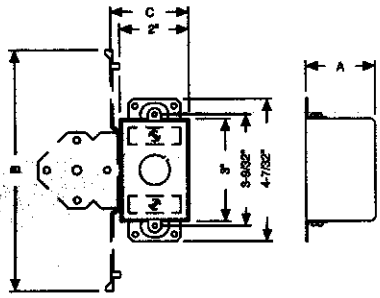
APPLICATIONS: STEEL SWITCH BOXES
- Wiring method may be conduit or cable connector.

PRODUCT FEATURES: STEEL SWITCH BOXES
- Gangable switch boxes offer the option of constructing a box to hold two or more devices.
- Bracket boxes provide fast and accurate means of mounting the box to wood or metal studs.
- Plaster ears allow box to be used in "old work" applications.

COMPLIANCES
Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

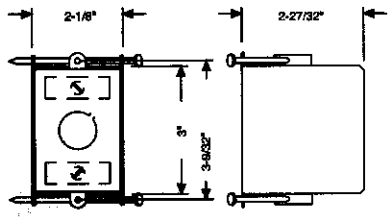
STEEL SWITCH BOXES
GANGABLE, NONGANGABLE

STEEL SWITCH BOXES



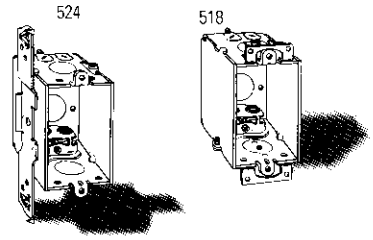
RACO NO.	A	B	C
519/518	2½"	—	—
528	2½"	—	—
531/524	2½"	7⁵/₃₂"	2⁹/₁₆"
540/522	2½"	1³¹/₃₂"	5³/₆₄"
529	2½"	1³¹/₃₂"	5³/₆₄"
517	2½"	—	—
596	2½"	—	—
545	2½"	—	—
523	2½"	—	—
526	2½"	1⅜"	3¹³/₃₂"

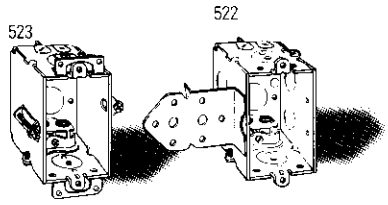
CAT. NO. 355 SWITCH BOX



SWITCH BOXES – 2½" DEEP GANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS 12.5 CUBIC INCHES

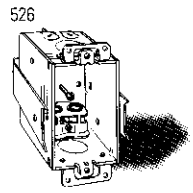
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
518	Ears		4		1 – ½"	50	
8518	Ears		4		1 – ½"	50	
524	TS brkt., ½"		4	2 – ½"	1 – ½"	50	
8524	TS brkt., ½"		4	2 – ½"	1 – ½"	50	
522	Long B, ⅝"		4	2 – ½"	1 – ½"	50	
8522	Long B, ⅝"		4	2 – ½"	1 – ½"	50	
523	Old work, Griptite		4		1 – ½"	50	
8523	Old work, Griptite		4		1 – ½"	50	





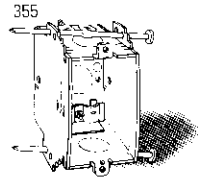
SWITCH BOX – 2½" DEEP NONGANGABLE – WITH ARMORED CABLE/ METAL CLAD/FLEX CLAMPS 12.5 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
526	Old work		4			20	



SWITCH BOX – 2²⁷/₃₂" DEEP NONGANGABLE – WITH NONMETALLIC SHEATHED CABLE CLAMPS 15.8 CUBIC INCHES

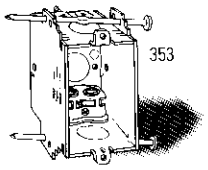
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
355	S brkt., nails		4		1 – ½"	50	
8355	S brkt., nails		4		1 – ½"	20	



SWITCH BOXES
GANGABLE, NONGANGABLE

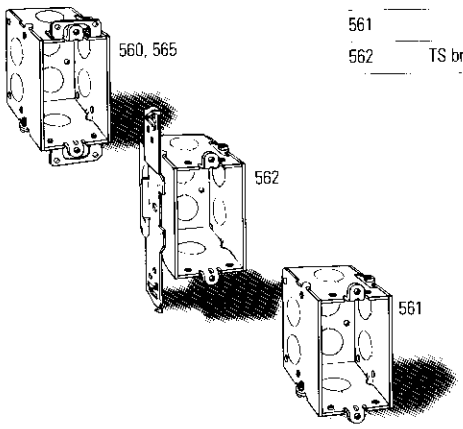
3" x 2 9/64" SWITCH BOX
2 27/32" DEEP, NONGANGABLE
WITH ARMORED CABLE/METAL
CLAD/FLEX CLAMPS
15.8 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
353	S brkt., nails		4		1 – 1/2"	50	



SWITCH BOXES – 2 3/4" DEEP
GANGABLE WITH
CONDUIT KO's
14.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	ENDS	BOTTOM	STD. PKG.	UPC BAR CODE
560	Ears	4 – 1/2"	2 – 1/2"	2 – 1/2"	50	
8560	Ears	4 – 1/2"	2 – 1/2"	2 – 1/2"	50	
565	Ears	4 – 1/2"	2 – 3/4"	2 – 1/2"	50	
561		4 – 1/2"	2 – 1/2"	2 – 1/2"	50	
562	TS brkt., 1/2"	2 – 1/2"	2 – 1/2"	2 – 1/2"	50	

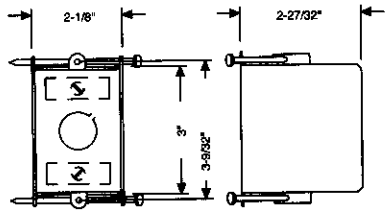


APPLICATIONS:
STEEL SWITCH BOXES
- Wiring method may be conduit or cable connector.

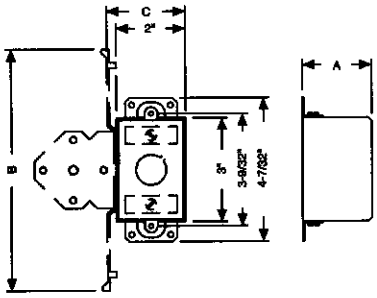
PRODUCT FEATURES:
STEEL SWITCH BOXES
- Bracket boxes offer a fast and accurate means to mount the box to wood or metal studs.
- Plaster ears allow the box to be used in "old work" applications.

COMPLIANCES
Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

CAT. NO. 353 SWITCH BOX



STEEL SWITCH BOXES

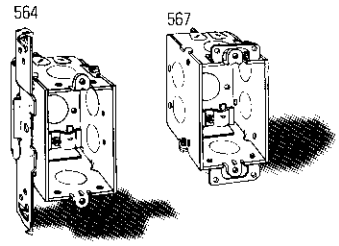


RACO NO.	A	B	C
560	2 3/4"	—	—
565	2 3/4"	—	—
562	2 3/4"	7 5/32"	2 5/16"
561	2 3/4"	7 5/32"	2 5/16"
567	2 3/4"	—	—
564	2 3/4"	7 5/32"	2 5/16"
570	2 3/4"	—	—
574	2 3/4"	7 5/32"	2 5/16"
590	3 1/2"	—	—
591	3 1/2"	—	—
592	3 1/2"	—	—

SWITCH BOXES
GANGABLE

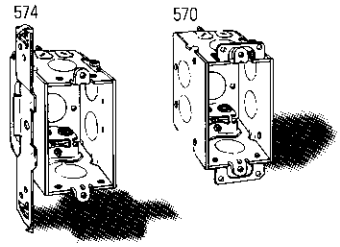
SWITCH BOXES – 2 3/4" DEEP GANGABLE WITH NON-METALLIC SHEATHED CABLE CLAMPS 14.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS ENDS CABLE	KNOCKOUTS ENDS COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
567	Ears	4 – 1/2"	4	2 – 1/2"	1 – 1/2"	50	
564	TS brkt., 1/2"	2 – 1/2"	4	2 – 1/2"	1 – 1/2"	50	



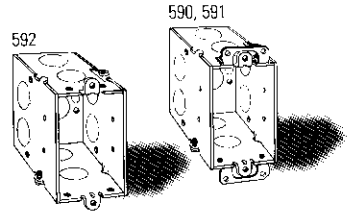
SWITCH BOXES – 2 3/4" DEEP GANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS 14.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	KNOCKOUTS ENDS CABLE	KNOCKOUTS ENDS COND.	KNOCKOUTS BOTTOM COND.	STD. PKG.	UPC BAR CODE
570	Ears	4 – 1/2"	4	2 – 1/2"	1 – 1/2"	50	
574	TS brkt., 1/2"	2 – 1/2"	4	2 – 1/2"	1 – 1/2"	50	
8574	TS brkt., 1/2"	2 – 1/2"	4	2 – 1/2"	1 – 1/2"	50	



SWITCH BOXES – 3 1/2" DEEP GANGABLE WITH CONDUIT KO's 18.0 CUBIC INCHES

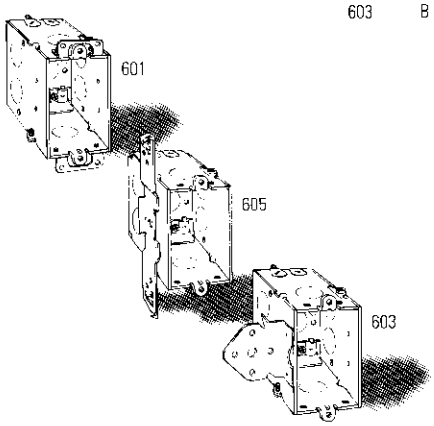
RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	STD. PKG.	UPC BAR CODE
590	Ears	4 – 1/2"	4 – 1/2"	1 – 1/2"	50	
8590	Ears	4 – 1/2"	4 – 1/2"	1 – 1/2"	50	
591	Ears	4 – 3/4"	4 – 3/4"	1 – 1/2"	50	
8591	Ears	4 – 3/4"	4 – 3/4"	1 – 1/2"	50	
592		4 – 1/2"	4 – 1/2"	1 – 1/2"	50	



SWITCH BOXES
GANGABLE

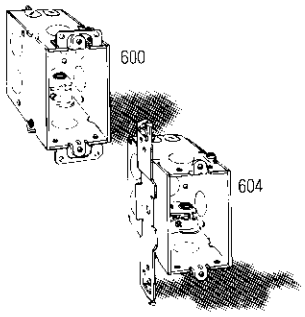
SWITCH BOXES – 3½" DEEP GANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS 18.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
601	Ears	4 – ½"	4	2 – ½"	1 – ½"	25	
8601	Ears	4 – ½"	4	2 – ½"	1 – ½"	25	
605	TS brkt., ½"	4 – ½"	4	2 – ½"	1 – ½"	25	
603	B brkt., 5/8"	4 – ½"	4	2 – ½"	1 – ½"	25	



SWITCH BOXES – 3½" DEEP GANGABLE WITH ARMORED CABLE/ METAL CLAD/FLEX CLAMPS 18.0 CUBIC INCHES

RACO NO.	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS SIDES COND.	ENDS CABLE	ENDS COND.	BOTTOM COND.	STD. PKG.	UPC BAR CODE
600	Ears	4 – ½"	4	2 – ½"	1 – ½"	25	
604	TS brkt., ½"	4 – ½"	4	2 – ½"	1 – ½"	25	
8604	TS brkt., ½"	4 – ½"	4	2 – ½"	1 – ½"	25	



APPLICATIONS: GANGABLE SWITCH BOXES

- Wiring method may be conduit or cable connector.

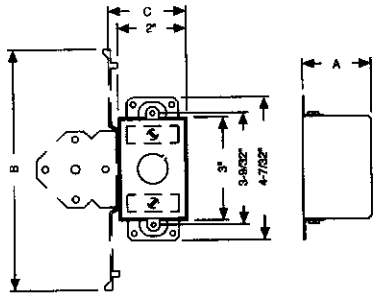
PRODUCT FEATURES: GANGABLE SWITCH BOXES

- Gangable switch boxes offer the option of constructing a box to hold two or more devices.
- Bracket boxes provide fast and accurate means to mount the box to wood or metal studs.
- Plaster ears allow the box to be used in "old work" applications.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

STEEL SWITCH BOXES



RACO NO.	A	B	C
601	3½"	—	—
605	3½"	7⁵/₃₂"	2⁵/₁₆"
603	3½"	1³¹/₃₂"	4"
600	3½"	—	—
604	3½"	7⁵/₃₂"	2⁵/₁₆"

GANG BOXES, PARTITIONS & COVERS

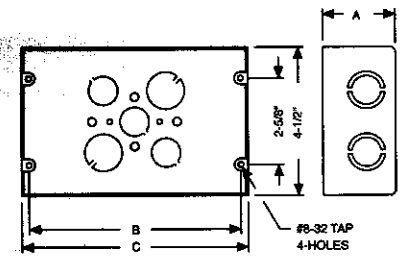
APPLICATIONS: GANG BOXES

- Gang Boxes are used where a number of wiring devices are to be centrally located.

PRODUCT FEATURES: GANG BOXES AND DEVICE COVERS

- Gang Boxes save time in installation—no need to gang boxes together.
- Have 1/2" and 3/4" concentric KO's for use with a wide variety of wiring methods
- Bottom KO pattern — 3 –1/2" and 2– 3/4"
- Accept two styles of covers — flat and 3/4" raised device cover
- Device covers also fit next smaller box, i.e. three-gang cover fits two- or three-gang box.
- Low voltage partition No. 974 will fit all boxes.

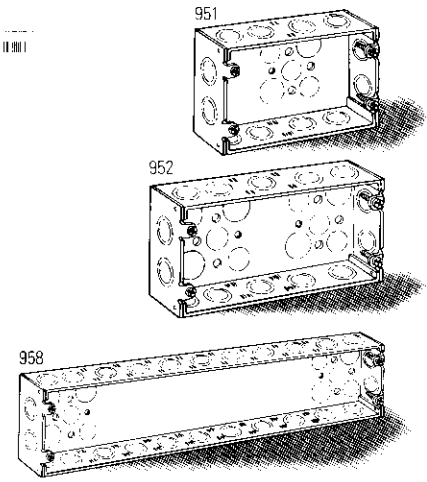
STEEL GANG BOXES



RACO NO.	NO. GANGS	A	B	C
951	2	1 5/8"	6 3/8"	6 13/16"
952	3	1 5/8"	8 3/16"	8 5/8"
953	4	1 5/8"	10"	10 7/16"
954	5	1 5/8"	11 13/16"	12 1/4"
955	6	1 5/8"	13 5/8"	14 1/16"
956	7	1 5/8"	15 7/16"	15 7/8"
957	8	1 5/8"	17 1/4"	17 11/16"
958	9	1 5/8"	19 1/16"	19 1/2"

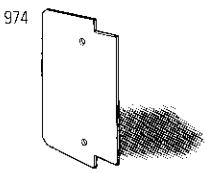
GANG BOXES – 1 5/8" DEEP 1/2" & 3/4" CONCENTRIC KO's

RACO NO.	NO. OF GANGS	WIDTH	KNOCKOUTS TOP & BOTTOM	KNOCKOUTS BACK	CU. IN.	STD. PKG.	UPC BAR CODE
951	2	6 3/16"	8	5	47.0	5	
952	3	8 5/8"	10	10	60.0	5	
8952	3	8 5/8"	10	10	60.0	5	
953	4	10 7/16"	12	10	72.8	5	
954	5	12 1/4"	14	10	85.8	5	
955	6	14 1/16"	16	10	98.5	1	
956	7	15 7/8"	18	10	111.5	1	
957	8	17 11/16"	20	10	124.5	1	
958	9	19 1/2"	22	10	137.3	1	



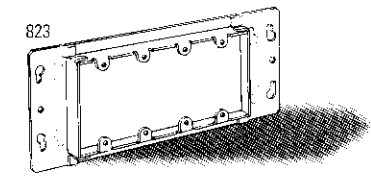
LOW VOLTAGE PARTITION FOR GANG BOXES

RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
974		25	



DEVICE COVERS FOR GANG BOXES RAISED 3/4"

RACO NO.	NO. OF GANGS	WIDTH	CU. IN.	STD. PKG.	UPC BAR CODE
821	2	7 1/16"	10.0	5	
822	3	8 7/8"	15.3	5	
8822	3	8 7/8"	15.3	5	
823	4	10 1/16"	20.3	5	
824	5	12 1/2"	25.5	5	
825	6	14 5/16"	30.5	1	
826	7	16 1/8"	35.5	1	
827	8	17 15/16"	40.8	1	
828	9	19 3/4"	45.8	1	



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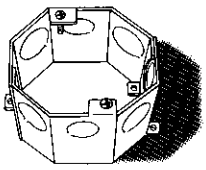
GANG COVERS & STEEL CONCRETE RINGS

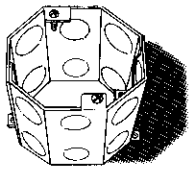
FLAT, BLANK COVERS FOR GANG BOXES

RACO NO.	NO. OF GANGS	WIDTH	CU. IN.	STD. PKG.	UPC BAR CODE
844	2	7 1/16"		5	
845	3	8 7/8"		5	
846	4	10 11/16"		5	
847	5	12 1/2"		1	
848	6	14 5/16"		1	
849	7	16 1/8"		1	
850	8	17 15/16"		1	
851	9	19 3/4"		1	

CONCRETE RINGS



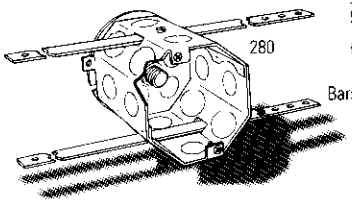
270, 271, 272, 277, 278



273, 274, 275, 276, 279

RACO NO.	DEPTH	KO SIZES	NO. ROWS KO's	CU. IN.	STD. PKG.	UPC BAR CODE
270	2"	1/2" & 3/4"	Single	24.5	25	
271	2 1/2"	1/2" & 3/4"	Single	30.8	25	
272	3"	1/2" & 3/4"	Single	37.0	25	
277	3"	3/4" & 1"	Single	37.0	25	
273	3 1/2"	1/2" & 3/4"	Double	43.0	20	
278	3 1/2"	3/4" & 1"	Single	43.0	20	
274	4"	1/2" & 3/4"	Double	49.3	20	
279	4"	3/4" & 1"	Double	49.3	20	
275	5"	1/2" & 3/4"	Double	61.5	10	
276	6"	1/2" & 3/4"	Double	74.0	10	

HUNG CEILING BOX – 3 1/2" DEEP



Bars 918

RACO NO.	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
280	3/8" Stud, 8 – 1/2", 8 – 3/4" KO's	43.0	20	
918	30" Long bars for hung ceiling box		40	

Order bars separately

APPLICATIONS: STEEL CONCRETE RINGS

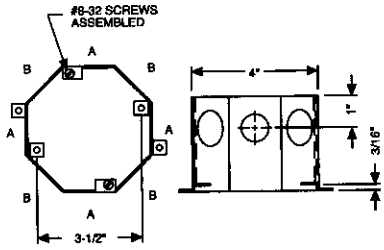
- Concrete rings are used with poured deck (floor) in high-rise construction.

PRODUCT FEATURES: STEEL CONCRETE RINGS

- Flat sides provide excellent contact for locknuts.
- External ears are used to nail the ring to the wood form.
- The top cover is removable for before-pour work.
- Ears on inside of box are for fixtures.
- RACO puts wax on the fixture ears to prevent concrete from interfering with the threads.
- Variety of cover plates are available.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.



RACO ITEM	A	B
1/2" and 3/4" KOs	1/2"	3/4"
3/4" and 1" KOs	3/4"	1"

CONCRETE RINGS & MASONRY BOXES

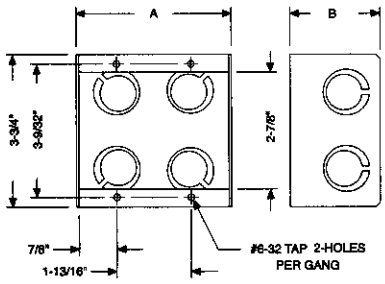
APPLICATIONS:
STEEL MASONRY BOXES

- 2-1/2" deep box is used on 4" block.
- 3-1/2" deep box is used on 6" and 8" block.

PRODUCT FEATURES:
STEEL MASONRY BOXES

- Rugged welded construction does not fall apart during construction.
- Available from one- to six-gang in 2-1/2" or 3-1/2" depths
- Rectangular shape fits square cuts in block.
- Have 1/2" and 3/4" concentric KO's for use with a wide variety of wiring methods
- Plenty of working room inside the box
- Device ears are inside the box, preventing mortar from getting in the device hole.
- Low voltage partition No. 971 will fit all boxes.
- Standard wall plates cover the box.

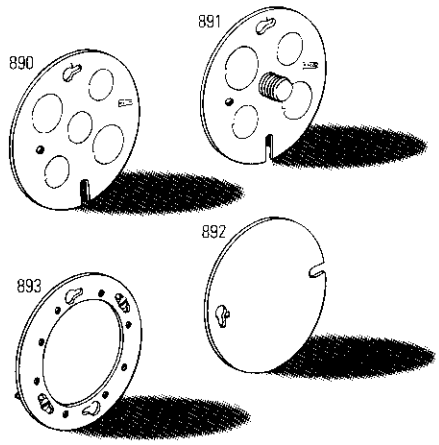
STEEL MASONRY BOXES



RACO NO.	NO. GANGS	A	B
690	1	$1^{31}/_{32}$"	$2^{1}/_{2}$"
691	2	$3^{25}/_{32}$"	$2^{1}/_{2}$"
692	3	$5^{9}/_{16}$"	$2^{1}/_{2}$"
693	4	$7^{13}/_{32}$"	$2^{1}/_{2}$"
694	5	$9^{7}/_{32}$"	$2^{1}/_{2}$"
960	6	$11^{1}/_{32}$"	$2^{1}/_{2}$"

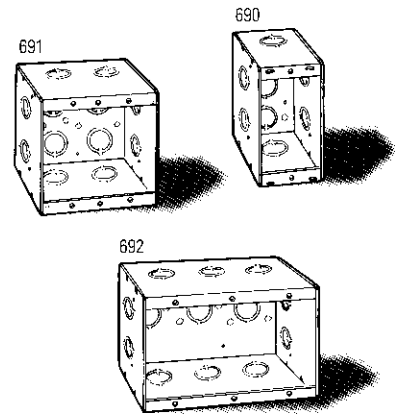
RACO NO.	DESCRIPTION	KNOCKOUTS	STD. PKG.	UPC BAR CODE
890		$3-{}^{1}/_{2}$", $2-{}^{3}/_{4}$"	25	
891	$^{3}/_{8}$" Stud	$2-{}^{1}/_{2}$", $2-{}^{3}/_{4}$"	25	
892	Flat, blank		25	
893	Joins Oct. Ext. ring to concrete ring. Includes two retained screws		50	

CONCRETE RING – ADAPTER PLATE COVER – BACK PLATES



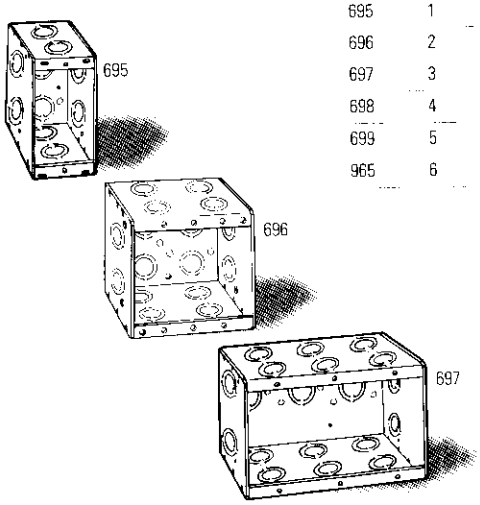
RACO NO.	NO. OF GANGS	WIDTH	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	CU. IN.	STD. PKG.	UPC BAR CODE
690	1	$1^{31}/_{32}$"	2	2	16.0	25	
691	2	$3^{25}/_{32}$"	4	4	31.8	25	
692	3	$5^{19}/_{32}$"	6	3	47.8	10	
693	4	$7^{13}/_{32}$"	8	4	63.5	10	
694	5	$9^{7}/_{32}$"	10	5	79.5	10	
960	6	$11^{1}/_{32}$"	12	6	95.3	1	

MASONRY BOXES – 2½" DEEP



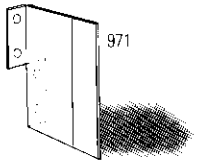
MASONRY BOXES & ACCESSORIES FOR STEEL BOXES

MASONRY BOXES – 3½" DEEP



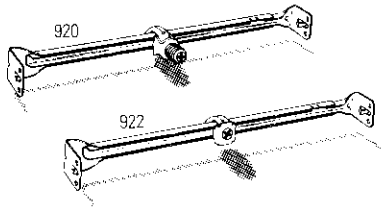
RACO NO.	NO. OF GANGS	WIDTH	KNOCKOUTS ENDS	KNOCKOUTS BOTTOM	CU. IN.	STD. PKG.	UPC BAR CODE
695	1	1 31/32"	4	2	22.5	25	
696	2	3 25/32"	8	4	45.0	25	
697	3	5 15/32"	12	3	67.3	10	
698	4	7 13/32"	16	4	89.8	10	
699	5	9 7/32"	20	5	112.3	10	
965	6	11 1/32"	24	6	134.8	1	

LOW VOLTAGE PARTITION FOR MASONRY BOXES



RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
971	For 2½" or 3½" deep boxes	25	

ADJUSTABLE BAR HANGERS ADJUSTMENT RANGE 14¼"-22½"



RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
920	⅜" Stud	50	
8920	⅜" Stud	50	
922	Clip	50	

APPLICATIONS: STEEL MASONRY BOXES

- 2-1/2" deep box is used on 4" block.
- 3-1/2" deep box is used on 6" and 8" block.

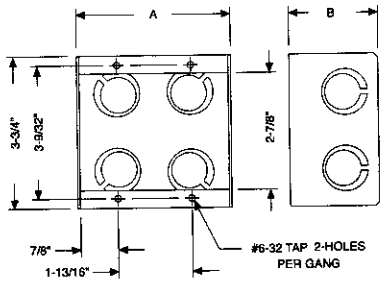
PRODUCT FEATURES: STEEL MASONRY BOXES

- Rugged welded construction does not fall apart during construction.
- Available from one- to six-gang in 2-1/2" or 3-1/2" depths
- Any two boxes may be ganged together.
- Rectangular shape fits square cuts in block.
- Have 1/2" and 3/4" concentric KO's for use with a wide variety of wiring methods
- Plenty of working room inside the box
- Device ears are inside the box, preventing mortar from getting in the device hole.
- Low voltage partition No. 971 will fit all boxes.
- Standard wall plates cover box.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

STEEL MASONRY BOXES



RACO NO.	NO. GANGS	A	B
695	1	1 31/32"	3½"
696	2	3 25/32"	3½"
697	3	5 9/16"	3½"
698	4	7 13/32"	3½"
699	5	9 7/32"	3½"
965	6	11 1/32"	3½"

ACCESSORIES FOR STEEL BOXES

APPLICATIONS:
ADJUSTABLE BAR HANGER

- Bar Hangers solve the problem of getting the fixture on center within the room or hallway.
- Simple and fast to install for joists ranging from 14-1/4" to 22-1/2"

APPLICATIONS:
FOOTED BOX SUPPORT

- Box supports are used to steady the box and conduits before concrete pour.
- Keeps box and conduits in place while concrete is being poured

PRODUCT FEATURES:
BOX-LOC® METAL STUD CLIP

- Patented spring steel design
- Installs in seconds without tools
- Mounts on either side of stud
- Repositions easily
- Bracket may be added to any RACO 4" square steel box — simply tap the bracket with a hammer and the barbed hooks hold it in place.
- Bracket also fits RACO Cat. Nos. 7220 and 7232 4" square PVC boxes.

BOX-LOC IS A SNAP TO INSTALL

- Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud. Barbed hooks dig into the flat side of the stud, locking it in place.

APPLICATIONS:
FAR SIDE SUPPORT

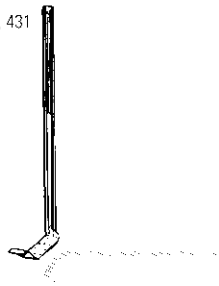
- Prevents the box from "floating" in the wall cavity

PRODUCT FEATURES:
FAR SIDE SUPPORT

- Support quickly and easily snaps into hole in back of box.
- Easily cut to fit depth of the cavity

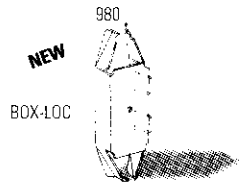
RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
429	12" with slot	50	
431	20" with slot	50	

FOOTED BOX SUPPORTS FOR 4" OR 4 11/16" SQUARE BOXES



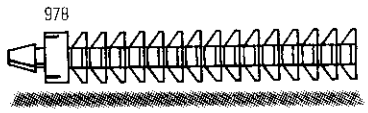
RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
980	Spring-steel bracket	50	

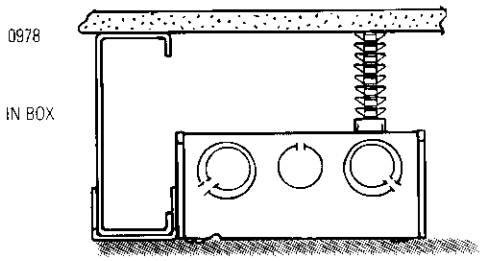
METAL STUD CLIP



RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
978	1 3/4" Plastic support	50	

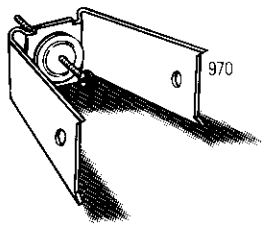
FAR SIDE BOX SUPPORT





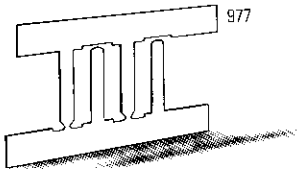
ACCESSORIES FOR STEEL BOXES

SWITCH BOX SUPPORT



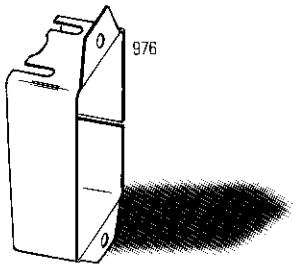
RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
970	Mounts switch boxes with plaster ears in hollow walls or ceilings.	10	

GRIP-LOK



RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
977	Supplied as a pair. Use pair to mount switch box with plaster ears in hollow wall.	100 pairs	
8977	Supplied as a pair. Use pair to mount switch box with plaster ears in hollow wall.	100 pairs	

ADD-A-DEPTH RING EXTENDS SWITCH BOX SET TOO DEEP IN WALL



RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
976	Adjustment range 1/4"-1" Two 1 1/8" screws included.	25	

APPLICATIONS: SWITCH BOX SUPPORT

- The "Old Work Saddle" No. 970 is designed to be used with 2–1/2" deep switch boxes that have plaster ears.
- No. 970 installs into the 1/2" bottom conduit knockout. When the box is slipped into the hollow wall, the bracket springs out behind the wall. Tighten the screw and the box is rigidly in place.

APPLICATIONS: GRIP-LOK

- The Grip-Lok support is designed to be used with any deep switch box that has plaster ears. Simply slip Grip-Lok between box and wall, then bend tabs into the box.

APPLICATIONS: ADD-A-DEPTH RING

- Add-A-Depth ring or "goof-ring" is designed to act as a barrier between combustible wall surfaces and the wiring system.
- For single and two-gang device boxes
- There is no UL standard for this product.
- Subject to acceptance by an electric inspector

THE NEC CODE STATES:

370-20. In Wall or Ceiling.
In walls or ceilings of concrete, tile, or other non-combustible material, boxes shall be installed so that the front edge of the box will not set back of the finished surface more than 1/4 inch (6.35 mm). In walls and ceilings constructed of wood or other combustible material, boxes shall be flush with the finished surface or project therefrom.

COMPLIANCES

Please refer to page A1 for complete information on UL and other compliances that apply to the products on these two pages.

ACCESSORIES FOR STEEL BOXES

APPLICATIONS: GROUNDING ACCESSORIES

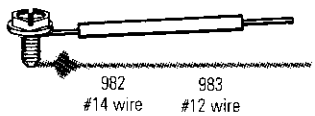
- Grounding accessories provide a safe electrical path to ground to help prevent shock.
- Grounding screws are threaded into the box and provide a means of fastening the ground conductor.
- Ground wires fasten to the box and are then connected to wiring system or wiring device.
- Ground clips provide a quick method of fastening a ground conductor to the edge of a steel outlet box.

APPLICATIONS: CABLE PROTECTOR

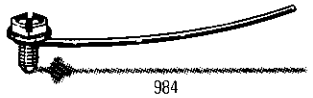
- Protects nonmetallic sheathed cable or raceway type wires running through wood studs, joists, rafters or similar structural wood members from accidental nail, screw or drill penetration. No nails required.

RACO NO.	DESCRIPTION	UNIT CTN.	STD. PKG.	UPC BAR CODE
982	Insulated #14 solid wire, 6" long, ground screw	25	1000	
983	Insulated #12 solid wire, 6" long, ground screw	25	1000	
8983-1	Poly bag		40	
984	Bare #14 solid wire, 6" long, ground screw	25	1000	
992	Insulated #14 stranded wire, 8" pigtail, spade lug & ground screw	100	500	
993	Insulated #12 stranded wire, 8" pigtail, spade lug & ground screw	100	500	
973	Ground screw for #10-32 tapped holes	100	1000	
8973-1	Poly bag		50	
975	Ground clip #14-#10 AWG Copper	100	1000	
8975-1	Poly bag		50	

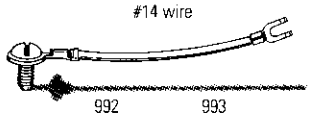
GROUNDING



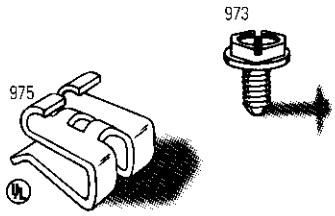
982 #14 wire 983 #12 wire



984 #14 wire

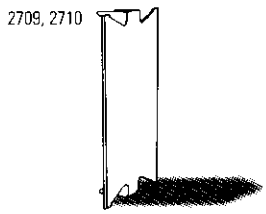


992 #14 wire 993 #12 wire



RACO NO.	DESCRIPTION	STD. PKG.	UPC BAR CODE
2709	Nailing Spurs	100	
2710	Nailing Spurs	200	

CABLE PROTECTOR



HUBBELL®

RACO®

Another Hubbell Electrical Products Brand

BOXES X.81
SECTION "A" IN CATALOG

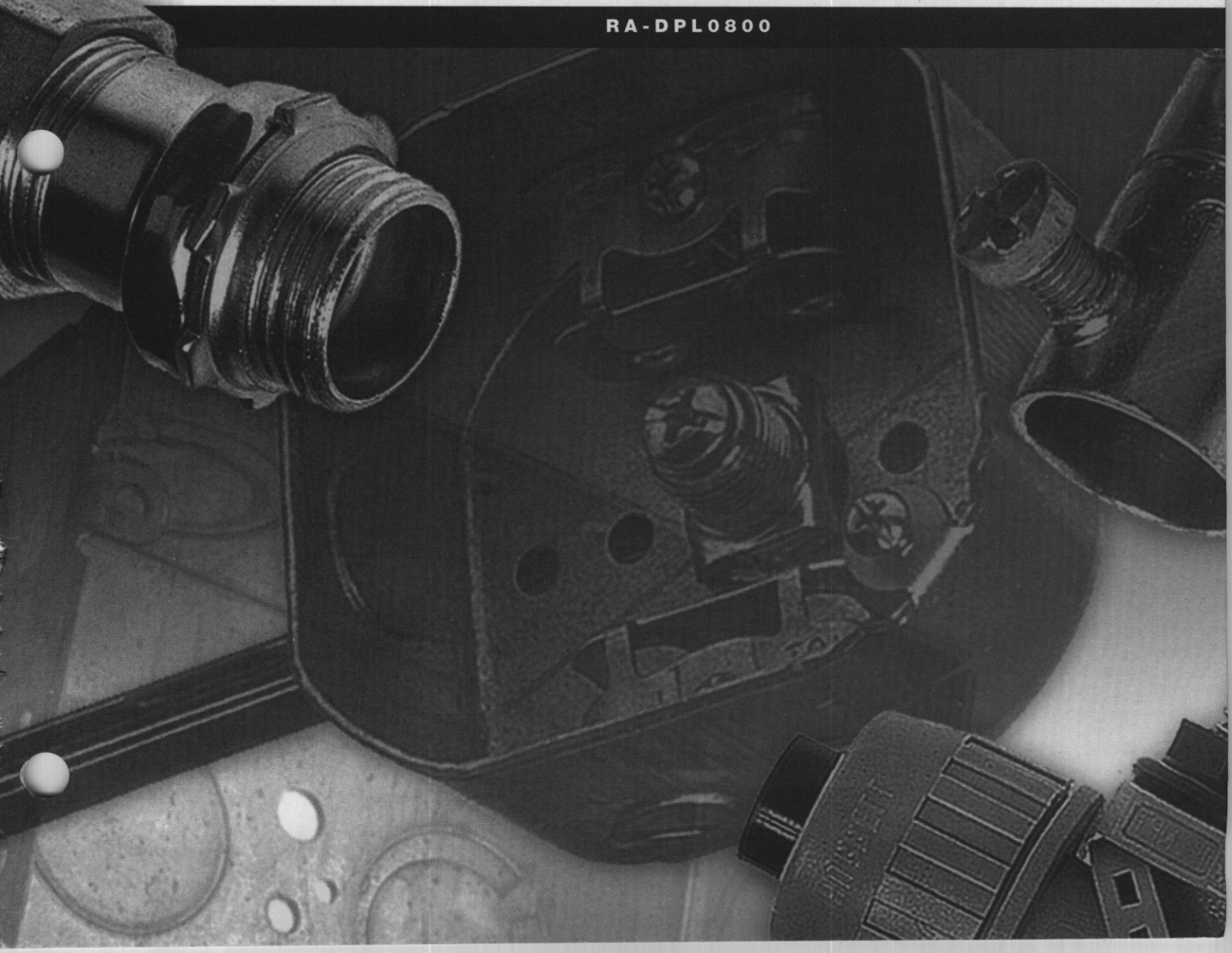
Distributor Net Cost Schedule

Effective August 1, 2000

UPC VENDOR #: 050169

CONFIDENTIAL: For Authorized Hubbell Electrical Products, Distributor Use Only

RA-DPL0800



DISTRIBUTOR TERMS AND CONDITIONS

GENERAL INFORMATION:

TERMS: 2% 10th prox., NET 25th of month. Invoices dated 1st through the 25th are due the 10th of the following month. Invoices dated 26th through the 31st, inclusive, are payable the 10th of the next following month to qualify for the 2% cash discount. After the 25th of the following month, a monthly service charge of 1½ % will be applied, unless that rate exceeds the maximum lawful rate, then the maximum lawful rate will be used.

PRICES: For other Hubbell Electrical Products brands' prices refer to individual brand price schedules. ***Prices are subject to change without notice.***

FIRM PRICE QUOTATIONS: Firm price quotations must be in written form from the Purchaser and accepted by Purchaser in writing within time limitations as set forth in the quotation. Releases must specify shipping date in accordance with the quotation. Acceptance of a firm price quotation must be stated on the order. When shipment is made, the material will be billed at published prices in effect at time of shipment or at the firm price, whichever is lower.

MINIMUM BILLING: There is no minimum billing.

BROKEN CARTONS: Orders for broken Carton quantities will be allowed for Anderson, Bell, Bryant, Killark and Wiegmann Brands; Raco products will be shipped in full Carton quantities, only.

DELIVERY: Qualified shipments, within the Continental U.S., will be made prepaid by surface freight, F.O.B. shipping point, to one destination. Freight on qualified shipments to destinations outside the Continental U.S. (except Hawaii and Alaska) will be prepaid and allowed to the U.S. port of export, only. No freight will be allowed for shipments forwarded collect at the request of the Purchaser. Hubbell Electrical Products reserves the right to use its own discretion in routing shipments for which Hubbell Electrical Products assumes transportation charges. If Purchaser specifies a more expensive routing, the Purchaser must assume total transportation charges. Premium freight charges are the responsibility of the Purchaser and are not subject to cash discount.

SHIPPING AND FREIGHT TERMS: Orders valued less than $500 for Anderson C&I, Bell, Bryant and/or Killark, and orders valued less than $1500 DISTRIBUTOR NET COST for Raco and/or Wiegmann will be subject to actual transportation charges as invoiced by the carrier. Multiple Brand orders that include Raco and/or Wiegmann default to the $1500 Terms.

Unless marked "Hold for Complete Shipment", "Hold for Release" or "Hold for Approval", all material, in stock, including back orders, will be consolidated and shipped within 48 hours following the receipt of the order.

Hawaii:

Qualified orders for Hawaii (with values greater than $500 DISTRIBUTOR NET COST [DNC] for Anderson C&I, Bell, Bryant and/or Killark or $1,500 [DNC] for Raco and/or Wiegmann) will be shipped freight prepaid to the U.S. port of embarkation. Orders less than $500 (DNC) for Anderson C&I, Bell, Bryant and/or Killark and less than $1,500 (DNC) for Raco and/or Wiegmann will be shipped prepaid to the U.S. port of embarkation but will be subject to actual transportation charges as invoiced by the carrier. All orders are F.O.B. shipping point.

Alaska:

Qualified orders for Anchorage or Fairbanks, only, (with values greater than $500 [DNC] for Anderson C&I, Bell, Bryant and/or Killark or greater than $1,500 [DNC] for Raco and/or Wiegmann) will be shipped freight prepaid, F.O.B. shipping point. All other standard terms and conditions apply.

PREMIUM FREIGHT: If Purchaser requests premium freight shipping, Purchaser will be charged for the actual freight charge incurred.

WEIGHTS AND DIMENSIONS: Catalog weight and dimensions are approximate and subject to change without notice.

ORDER ACCEPTANCE: All sales are expressly limited to these terms and conditions and the right and intentions of the parties shall be governed exclusively by terms and conditions hereof. Where there is any conflict as to whether the Seller's terms and conditions govern the contract, receipt and acceptance, whether under protest or otherwise, of the materials and supplies delivered hereunder shall be conclusive evidence of the acceptance by the Purchaser of the contract on all of the Seller's terms. Hubbell Electrical Products accepts orders and bills at current published prices and terms even though incorrect prices and terms may appear on the Purchaser's order.

PRICES: Prices on orders (other than Quotation, "Hold for Release" and "Hold for Approval") will be priced at Hubbell Electrical Products' published prices in effect at time of acceptance of order unless otherwise stated.

CLAIMS: Claims by Purchaser for billing errors, shortages, freight charges or allowances of any kind must be made within 30 days from receipt of material.

CANCELLATION: Five business days notice is required to insure a cancellation. All cost incurred directly and/or indirectly to date of cancellation will be charged when an order is cancelled. Orders for SPECIALS, or standard goods in quantities larger than normal inventory, may NOT be cancelled once order is placed in production.

TAXES: Published or quoted prices do not include sales, excise, use, or similar taxes. Purchaser must pay applicable taxes.

SHIPPING DATE AND DELIVERY: EVERY EFFORT WILL BE MADE TO FILL ORDERS WITHIN THE TIME STATED, BUT UNDER NO CIRCUMSTANCES WILL SELLER BE RESPONSIBLE FOR OR THE PURCHASER(S) ENTITLED TO CONSEQUENTIAL DAMAGES ARISING OUT OF OR OWING TO ANY DELAYS IN DELIVERY WHATEVER OR FOR CAUSES BEYOND SELLER'S REASONABLE CONTROL.

Shipping date and delivery specified are subject to any priorities or allocations necessitated by government orders or regulations, and time and manner of delivery are subject to any delay on the part of the Purchaser(s) in supplying necessary data, or by any changes in data at the Purchaser(s) insistence, and/or to delays caused by fire, floods, strikes, lock-outs, riots, war, breakdowns, priorities or embargoes, accidents, civil or military authority, shortages of labor, delay in suppliers (or supplies) of material, difficulty in obtaining raw material, and any other cause beyond Seller's reasonable control. Delay in delivery for any of the aforementioned causes shall proportionately extend the time of delivery hereunder. Seller shall be compensated for any and all extra costs and expenses occasioned by delays attributable to the Purchaser(s).

WARRANTY: Hubbell Electrical Products warrants the products herein described against defects of material and workmanship under normal use and service for a period of one year (a) from date of shipment, so far as the same are of Hubbell Electrical Products' own manufacture. Hubbell Electrical Products does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, systems or materials not of its own manufacture.

HOLD FOR RELEASE OR APPROVAL: Orders, not based on a written, firm price quotation, marked "Hold for Release" or "Hold for Approval", will not be processed for manufacture until approval and/or release date is provided. Quoted delivery time(s) become applicable from such approval and/or release date. Orders not released for shipment within 60 days from date of order will be billed at Hubbell Electrical Products' published price in effect on date of release. Orders deferred at Purchaser's request will be billed at Hubbell Electrical Products' published prices in effect at date of shipment.

RETURNED GOODS: Hubbell Electrical Products' agrees to accept from its authorized distributor's stock only the return of products for merchandise credit subject to the following terms and conditions:

1. All requests for return privileges must be submitted in writing or via the Internet.
2. Material to be returned must be current, standard product, in standard Cartons. Special orders, used, damaged, out-of-date or discontinued material, high velocity or products with limited shelf life will not be accepted. Unacceptable material will be destroyed and will not qualify for credit. (On returns for Raco products, only standard Package quantities will be accepted.)
3. Returns will not be accepted unless accompanied by a Hubbell Electrical Products' "Return Material Authorization".
4. Minimum value of returns must not be less than $150 (DNC), after restocking charge, if applicable.
5. Credit will not be issued for items not listed on the "Return Material Authorization".
6. "Stock rotation" returns are limited to two per year. The total value of the year's return shall be a maximum of 5% of previous year's purchases.
7. Material considered for return must have been shipped to distributor's stock within eighteen (18) months prior to the return request.
8. Within 60 days of issuance, all returns must be shipped freight prepaid, unless otherwise instructed, to a Hubbell Electrical Products' warehouse, as specified in the Return Material Authorization.
9. A merchandise credit will be issued at prices reflected on the original invoice (provided by the distributor at the time of Request) less applicable discounts and/or special price variances. When the original invoice is not provided, material will be priced at distributor's lowest purchase price within past 24 months.
10. Payment deductions for returned material are not allowed until a credit memorandum has been issued by Hubbell Electrical Products.

Product Group Reference Group

Product Type	Description	Product Type	Description
13100	Ceiling Fan Products	13530	Metallic Floorbox
13110	Octagon Outlet Boxes	15151	Steel EMT
13130	4" Square Outlet Boxes	15270	Ind. Ftgs. - Die Cast
13150	$4^{11}/_{16}$" Square Outlet Boxes	15271	Comm. Ftgs. - Die Cast
13170	Switch Boxes	15280	Ind. Reduce/Flex/Svc Entr.
13180	Outlet Box Covers	15281	Comm. Reduce/Flex/Svc Entr.
13190	Misc. Outlet Boxes	15400	Cord Grips
13191	Outlet Box Accessories	15550	Ind. Mesh/Nylon/NMLT
13300	NM Cable Box	15551	Comm. Mesh/Nylon/NMLT
13350	ENT	15700	Liquidtight
13500	Non-Metallic Floorbox		

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
110	00110	$ 148.50	HU	13110	50	PC	3	1		50	4,000	41.7	A10	B	U
111	00111	$ 190.30	HU	13110	25	PC	0	1		25	3,150	35.0	A10	D	U
112	00112	$ 199.10	HU	13110	50	PC				50	4,000	45.9	A10	B	
119	00119	$ 278.20	HU	13110	25	PC				25	2,400	55.8	A10	C	
125	90125	$ 105.60	HU	13110	50	PC				50	3,500	50.1	A11	A	
126	00126	$ 123.00	HU	13110	50	PC				50	3,500	50.1	A11	B	
127	90127	$ 121.40	HU	13110	50	PC				50	3,500	51.1	A11	B	
128	90128	$ 146.30	HU	13110	50	PC				50	3,500	38.0	A12	B	
130	00130	$ 167.50	HU	13110	50	PC	1	1		50	3,500	38.3	A12	C	U
145	00145	$ 165.40	HU	13110	50	PC				50	3,500	54.7	A12	B	
146	90146	$ 159.00	HU	13110	50	PC				50	3,500	55.2	A12	A	
150	00150	$ 232.80	HU	13110	50	PC	9	1		50	2,750	57.8	A12	B	U
153	00153	$ 207.60	HU	13110	25	PC	0	1		25	3,500	56.7	A13	C	U
155	00155	$ 269.40	HU	13110	50	PC	4	1		50	2,250	67.6	A13	D	U
157	00157	$ 278.10	HU	13110	50	PC	8	1		50	2,500	69.2	A13	D	U
158	00158	$ 184.90	HU	13110	50	PC	5	1		50	2,500	63.3	A11	C	U
160	90160	$ 208.90	HU	13110	50	PC				50	2,500	67.4	A12	A	
161	00161	$ 177.50	HU	13110	50	PC	5	1		50	2,250	60.3	A11	C	U
164	90164	$ 214.60	HU	13110	50	PC				50	2,250	65.9	A12	B	
165	00165	$ 152.70	HU	13110	50	PC				50	2,100	63.3	A14	B	
166	00166	$ 182.50	HU	13110	50	PC				50	2,100	64.1	A14	C	
167	00167	$ 181.80	HU	13110	50	PC	7	1		50	2,100	64.6	A14	C	U
175	00175	$ 219.20	HU	13110	50	PC				50	2,100	68.3	A14	B	U
176	00176	$ 268.70	HU	13110	25	PC				25	1,575	81.7	A14	B	U
177	00177	$ 266.80	HU	13110	25	PC				25	1,750	79.6	A14	C	
181	00181	$ 150.30	HU	13130	50	PC				50	2,750	70.8	A16	B	
185	00185	$ 171.50	HU	13130	50	PC	1	1		50	3,000	59.7	A16	B	U
187	00187	$ 279.00	HU	13130	25	PC	5	1		25	2,400	57.1	A17	D	U
189	90189	$ 133.30	HU	13130	50	PC				50	2,750	70.3	A16	A	
190	90190	$ 127.50	HU	13130	50	PC				50	2,750	67.0	A16	A	
191	90191	$ 144.70	HU	13130	50	PC				50	2,750	67.0	A16	A	
192	90192	$ 133.70	HU	13130	50	PC				50	2,750	66.3	A16	A	
193	00193	$ 192.20	HU	13130	25	PC				25	2,000	79.0	A17	B	
196	90196	$ 178.50	HU	13130	25	PC				25	1,650	81.2	A17	A	
197	90197	$ 168.80	HU	13130	25	PC				25	1,650	83.3	A17	A	
199	00199	$ 227.90	HU	13130	25	PC				25	1,650	81.2	A17	D	
201	90201	$ 177.20	HU	13130	50	PC				50	2,750	45.8	A17	A	
202	00202	$ 213.20	HU	13130	50	PC				50	2,750	45.8	A17	C	
203	90203	$ 174.70	HU	13130	50	PC				50	2,750	45.9	A17	A	
204	00204	$ 265.50	HU	13130	50	PC				50	2,750	45.5	A19	D	
208	90208	$ 201.10	HU	13130	25	PC				25	1,500	93.0	A17	B	
211	90211	$ 235.70	HU	13130	50	PC				50	2,500	77.1	A18	B	
213	90213	$ 229.50	HU	13130	50	PC				50	2,500	78.5	A18	B	
218	90218	$ 246.90	HU	13130	25	PC				25	1,650	87.4	A18	B	
219	00219	$ 256.80	HU	13130	25	PC				25	1,650	92.2	A18	B	
220	90220	$ 239.30	HU	13130	25	PC				25	1,650	90.2	A18	A	
223	00223	$ 262.80	HU	13130	25	PC				25	1,650	86.2	A18	C	U
224	00224	$ 270.00	HU	13130	25	PC				25	2,000	85.4	A18	B	
225	00225	$ 287.30	HU	13130	25	PC	4	1		25	2,000	84.0	A18	C	U
226	00226	$ 340.40	HU	13130	50	PC	1	1		50	2,750	67.6	A19	C	U
227	00227	$ 208.10	HU	13130	25	PC	8	1		25	1,650	74.0	A17	A	U
228	00228	$ 304.40	HU	13130	25	PC	5	1		25	1,650	80.0	A18	A	U
229	00229	$ 305.30	HU	13130	25	PC	0	1		25	1,350	82.0	A18	A	U
231	90231	$ 226.00	HU	13130	25	PC				25	1,750	92.0	A19	A	
232	90232	$ 213.00	HU	13130	25	PC				25	1,750	90.2	A19	A	
233	90233	$ 236.10	HU	13130	25	PC				25	1,750	90.2	A19	A	
235	90235	$ 279.40	HU	13130	25	PC				25	1,375	102.4	A19	B	
236	00236	$ 254.70	HU	13130	25	PC	0	1		25		102.4	A19	B	U
237	00237	$ 264.80	HU	13130	25	PC				25	1375	102.4	A99	D	
239	00239	$ 550.30	HU	13130	25	PC				25	1,750	83.6	A19	C	
240	90240	$ 374.50	HU	13130	25	PC				25	1,375	110.4	A20	B	
241	90241	$ 378.50	HU	13130	25	PC				25	1,375	109.0	A20	D	
242	00242	$ 334.90	HU	13130	25	PC				25	1,750	94.6	A20	D	
243	00243	$ 426.10	HU	13130	25	PC	8	1		25		98.0	A20	A	U
245	00245	$ 301.50	HU	13150	25	PC				25	1,600	80.4	A23	C	

N - New product S - Product will be deleted when stock is depleted U - UPC labeled product

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
246	00246	$ 381.50	HU	13150	25	PC				25	1,600	80.4	A23	C	
247	00247	$ 286.20	HU	13150	25	PC				25	1,600	80.8	A23	B	
248	00248	$ 334.90	HU	13130	25	PC	3			25		94.6	A99	D	
250	00250	$ 332.70	HU	13150	25	PC				25	1,600	61.6	A24	B	
254	00254	$ 296.70	HU	13150	25	PC	4	1		25		120.7	A23	B	U
257	90257	$ 256.90	HU	13150	25	PC				25	1,500	110.6	A23	A	
258	00258	$ 296.30	HU	13150	25	PC				25	1,500	111.2	A23	B	
259	00259	$ 346.10	HU	13150	25	PC				25	1,500	111.2	A23	D	
262	00262	$ 364.80	HU	13150	25	PC		1		25	1,500	78.6	A24	B	U
265	90265	$ 298.60	HU	13150	25	PC				25	1,500	112.0	A23	B	
270RAC	00270	$ 258.10	HU	13190	25	PC				25	1,750	53.2	A40	C	
271	00271	$ 262.60	HU	13190	25	PC				25	1,500	65.4	A40	C	
272	00272	$ 272.10	HU	13190	25	PC				25	1,350	79.0	A40	C	
273	00273	$ 278.80	HU	13190	20	PC				20	1,200	90.7	A40	B	
274	00274	$ 373.10	HU	13190	20	PC				20	1,000	104.2	A40	C	
275	00275	$ 504.30	HU	13190	10	PC				10	550	130.0	A40	D	
276	00276	$ 586.10	HU	13190	10	PC				10	600	157.0	A40	D	
277	00277	$ 330.90	HU	13190	25	PC				25	1,350	79.0	A40	D	
278	00278	$ 346.70	HU	13190	20	PC				20	1,100	90.6	A40	D	
279	00279	$ 428.60	HU	13190	20	PC				20	1,000	104.0	A40	D	
280	00280	$ 490.50	HU	13190	20	PC				20	1,100	125.7	A40	C	
284	00284	$ 742.40	HU	13190	6	PC				6		119.8	A99	A	
287	00287	$ 180.50	HU	13110	50	PC				50	6,300	34.0	A10	C	
292	90292	$ 123.00	HU	13110	50	PC				50	7,200	31.6	A10	A	
293	90293	$ 132.80	HU	13110	50	PC				50	6,300	33.6	A11	B	
294	00294	$ 939.00	HU	13100	10	PC	0	1		10	900	90.0	A8, A15	D	U
294-1	90294	$ 939.00	HU	13100	10	PC				10	900	90.0	A8, A15	D	
295	00295	$ 256.60	HU	13100	10	PC	7	1		10	2,160	33.6	A8, A11	D	U
295-1	90295	$ 259.80	HU	13100	10	PC				10	2,880	33.6	A8, A11	D	
296	00296	$ 715.20	HU	13100	8	PC	4	1		8	2,240	68.0	A8, A13	D	U
296-1	02961	$ 491.10	HU	13100	20	PC				20	2,160	67.1	A8, A13	D	
299	00299	$ 425.50	HU	13100	6	PC	5	1		6		90.0	A99	A	U
324	00324	$ 342.90	HU	13110	25	PC	4	1		25	1,500	84.6	A12	D	U
325	90325	$ 364.20	HU	13110	25	PC				25	1,350	92.4	A14	B	
326	90326	$ 349.70	HU	13110	25	PC				25	1,350	90.8	A13	B	
353	00353	$ 262.50	HU	13170	50	PC	4	1		50	2,700	73.0	A36	A	U
355	90355	$ 177.60	HU	13170	50	PC	8	1		50	2,700	73.0	A35	A	U
400	00400	$ 141.60	HU	13170	50	PC	0			50	5,000	38.9	A29	B	U
404	00404	$ 200.00	HU	13170	10	PC	3	1		10	2,160	39.4	A29	B	U
405	00405	$ 209.40	HU	13170	25	PC	0	1		25	3,600	39.2	A29	C	U
410	00410	$ 156.70	HU	13170	50	PC	4	1		50	5,000	43.5	A30	A	U
418	00418	$ 256.80	HU	13170	25	PC	0	1		25	2,500	68.6	A29	C	U
420	90420	$ 158.60	HU	13170	50	PC				50	4,000	47.6	A30	B	
429	00429	$ 202.40	HU	13191	50	PC				50	4,500	28.1	A43	D	
431	00431	$ 284.30	HU	13191	50	PC				50	3,000	44.4	A43	D	
440	00440	$ 208.40	HU	13170	50	PC				50	4,000	53.3	A31	B	
445	00445	$ 195.40	HU	13170	50	PC				50	4,000	51.3	A30	B	
471	90471	$ 182.10	HU	13170	50	PC				50	4,000	53.1	A31	A	
473	00473	$ 162.90	HU	13170	20	PC	9	1		20	4,000	51.0	A31	B	U
487	00487	$ 278.10	HU	13170	20	PC	6	1		20	2,520	55.6	A31	B	U
500	90500	$ 139.90	HU	13170	50	PC				50	3,150	55.3	A33	A	
501	90501	$ 136.90	HU	13170	50	PC				50	3,800	52.9	A33	B	
502	00502	$ 203.80	HU	13170	10	PC	6	1		10	3,000	57.1	A33	D	
503	00503	$ 197.20	HU	13170	50	PC				50	3,150	55.1	A33	C	
504	90504	$ 198.90	HU	13170	50	PC				50	2,700	63.6	A33	B	
505	00505	$ 181.10	HU	13170	50	PC				50	2,700	63.2	A33	D	
506	00506	$ 263.10	HU	13170	20	PC	4	1		20	3,300	49.8	A33	D	U
508	00508	$ 223.90	HU	13170	20	PC	8	1		20	1,820	49.8	A33	A	U
517	00517	$ 276.70	HU	13170	20	PC	0	1		20	3,300	63.2	A34	D	U
518	90518	$ 283.90	HU	13170	50	PC				50	3,150	61.7	A35	A	
519	90519	$ 169.50	HU	13170	50	PC				50	3,150	60.3	A34	A	
522	90522	$ 239.40	HU	13170	50	PC				50	3,000	70.4	A35	C	
523	90523	$ 279.40	HU	13170	50	PC				50	3,300	65.0	A35	A	
524	90524	$ 287.70	HU	13170	50	PC				50	2,100	70.6	A35	B	
526	00526	$ 266.80	HU	13170	20	PC	2	1		20	1,820	65.0	A35	A	U

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Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or D	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
528	90528	**$ 148.00**	HU	13170	50	PC				50	3,800	58.3	A34	A	
529	00529	**$ 209.40**	HU	13170	20	PC	3	1		20	3,000	67.6	A34	C	U
531	90531	**$ 192.70**	HU	13170	50	PC				50	2,100	68.7	A34	A	
540	00540	**$ 205.80**	HU	13170	50	PC				50	3,000	65.3	A34	C	
545	00545	**$ 261.90**	HU	13170	20	PC	3	1		20	1,820	65.0	A34	A	U
560	90560	**$ 168.80**	HU	13170	50	PC				50	2,750	59.7	A36	A	
561	00561	**$ 172.10**	HU	13170	50	PC				50	2,750	56.7	A36	C	
562	00562	**$ 220.30**	HU	13170	50	PC				50	2,100	68.2	A36	C	
564	00564	**$ 240.20**	HU	13170	50	PC		1		50	2,100	73.5	A37	B	U
565	00565	**$ 181.10**	HU	13170	50	PC				50	2,750	59.7	A36	B	
567	00567	**$ 224.80**	HU	13170	50	PC		1		50	2,750	64.8	A37	A	U
570RAC	00570	**$ 271.30**	HU	13170	50	PC				50	3,300	66.1	A37	B	
574	00574	**$ 276.20**	HU	13170	50	PC	3	1		50	2,100	75.3	A37	A	U
590	90590	**$ 194.90**	HU	13170	50	PC				50	2,700	72.4	A37	A	
591	90591	**$ 220.00**	HU	13170	50	PC				50	2,700	73.1	A37	B	
592	00592	**$ 195.40**	HU	13170	50	PC				50	2,700	70.0	A37	B	
596	00596	**$ 149.40**	HU	13170	50	PC				50	3,800	57.0	A34	B	
600	00600	**$ 355.90**	HU	13170	25	PC				25	2,000	75.6	A38	B	
601	90601	**$ 266.30**	HU	13170	25	PC				25	2,000	78.4	A38	A	
603	00603	**$ 331.80**	HU	13170	25	PC				25	2,000	83.4	A38	D	
604	90604	**$ 331.60**	HU	13170	25	PC				25	1,650	87.8	A38	B	
605	00605	**$ 263.60**	HU	13170	25	PC				25	1,650	86.4	A38	A	
611	00611	**$ 163.20**	HU	13170	50	PC				50	4,000	47.3	A26	C	
640	00640	**$ 220.90**	HU	13170	50	PC				50	7,200	34.1	A28	C	
650	90650	**$ 116.80**	HU	13170	50	PC				50	5,000	47.8	A26	A	
653	00653	**$ 139.60**	HU	13170	25	PC				25	5,000	40.0	A27	B	
655	00655	**$ 194.90**	HU	13170	50	PC				50	3,500	54.2	A26	C	
660	90660	**$ 111.00**	HU	13170	50	PC				50	4,000	48.8	A26	A	
661	00661	**$ 197.80**	HU	13170	50	PC	0	1		50	3,000	64.8	A26	C	U
662	00662	**$ 172.40**	HU	13170	50	PC	7	1		50	2,750	60.6	A26	B	U
663	90663	**$ 143.20**	HU	13170	50	PC				50	4,000	47.3	A26	B	
665	00665	**$ 139.60**	HU	13170	50	PC	8	1		50	4,000	37.7	A27	B	U
670RAC	90670	**$ 135.80**	HU	13170	50	PC				50	3,200	61.4	A27	A	
671	00671	**$ 217.10**	HU	13170	50	PC	9	1		50	2,750	79.5	A27	D	U
674	00674	**$ 171.80**	HU	13170	50	PC	0	1		50	3,200	61.9	A27	C	U
678	00678	**$ 192.30**	HU	13170	50	PC	8	1		50	2,500	75.0	A27	C	U
680	00680	**$ 434.50**	HU	13170	25	PC				25	1,750	92.0	A32	C	
681	00681	**$ 518.90**	HU	13170	25	PC	8	1		25	1,375	101.1	A32	D	U
683	00683	**$ 477.10**	HU	13170	25	PC	2	1		25	1,750	83.3	A32	D	U
685	00685	**$ 521.50**	HU	13170	25	PC				25	1,200	99.5	A32	D	
686	00686	**$ 603.30**	HU	13170	10	PC	3	1		10		130.0	A32	D	U
687	00687	**$ 844.60**	HU	13170	10	PC	0	1		10		160.0	A32	D	U
690	00690	**$ 323.40**	HU	13190	25	PC				25	2,250	68.2	A41	B	
691	00691	**$ 454.00**	HU	13190	25	PC				25	1,575	98.4	A41	D	
692	00692	**$ 544.30**	HU	13190	10	PC				10	1,000	127.0	A41	C	
693	00693	**$ 629.70**	HU	13190	10	PC				10	800	158.1	A41	D	
694	00694	**$ 696.70**	HU	13190	10	PC				10	800	198.6	A41	D	
695	90695	**$ 324.50**	HU	13190	25	PC				25	2,275	84.2	A42	A	
696	00696	**$ 443.90**	HU	13190	25	PC		1		25	1,350	120.4	A42	C	U
697	00697	**$ 586.30**	HU	13190	10	PC		1		10	760	163.4	A42	C	U
698	00698	**$ 744.70**	HU	13190	10	PC				10	840	200.5	A42	D	
699	00699	**$ 865.00**	HU	13190	10	PC				10	600	223.0	A42	D	
703	00703	**$ 50.30**	HU	13180	100	PC	7	1		100	20,400	17.1	A11	B	U
706	00706	**$ 87.00**	HU	13191	25	PC				25	7,000	18.0	A20	C	
707	00707	**$ 103.00**	HU	13191	25	PC				25	7,000	20.8	A20	D	
708	00708	**$ 110.10**	HU	13191	25	PC				25	7,000	23.3	A20	D	
709	00709	**$ 120.70**	HU	13191	25	PC				25	5,600	26.8	A20	D	
722	90722	**$ 44.10**	HU	13180	100	PC				100	9,000	21.2	A15	A	
724	90724	**$ 44.80**	HU	13180	100	PC				100	9,000	21.8	A15	A	
727	00727	**$ 94.00**	HU	13180	100	PC				100	6,000	21.4	A15	D	
729	00729	**$ 114.90**	HU	13180	50	PC	7	1		50	8,400	19.9	A15	D	U
731	00731	**$ 110.70**	HU	13180	50	PC	0	1		50	8,400	16.3	A15	C	U
732	00732	**$ 242.20**	HU	13180	25	PC				25	3,150	27.0	A15	D	
737	00737	**$ 86.90**	HU	13180	50	PC	2	1		50	6,300	18.6	A15	C	U
752	90752	**$ 49.70**	HU	13180	50	PC				50	5,600	29.6	A21	A	

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Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indictator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
753	90753	$ 56.80	HU	13180	50	PC				50	5,600	29.5	A21	A	
756	90756	$ 86.00	HU	13180	100	PC				100	8,000	26.4	A21	B	
757	00757	$ 318.90	HU	13180	25	PC				25	3,600	31.2	A21	C	
758	00758	$ 314.40	HU	13180	25	PC				25	3,150	36.0	A21	C	
759	00759	$ 119.20	HU	13180	25	PC				25	4,200	27.4	A21	C	
762	00762	$ 192.40	HU	13180	50	PC				50	7,200	32.7	A19	C	
767	90767	$ 81.10	HU	13180	25	PC				25	7,350	25.9	A21	A	
768	90768	$ 78.30	HU	13180	50	PC				50	7,200	25.7	A21	A	
769	90769	$ 110.10	HU	13180	50	PC				50	6,300	20.2	A21	B	
771	90771	$ 72.80	HU	13180	100	PC				100	11,200	17.8	A21	B	
772	90772	$ 73.90	HU	13180	100	PC				100	10,000	22.3	A21	A	
773	90773	$ 93.40	HU	13180	50	PC				50	6,300	29.1	A21	B	
774	00774	$ 115.80	HU	13180	25	PC				25	2,400	33.0	A21	B	
775	90775	$ 123.20	HU	13180	25	PC				25	3,600	38.0	A21	B	
777	00777	$ 119.90	HU	13180	50	PC				50	13,500	13.8	A21	D	
778	90778	$ 102.30	HU	13180	50	PC				50	6,300	17.7	A21	A	
779	90779	$ 119.80	HU	13180	50	PC				50	4,500	23.0	A21	C	
780	00780	$ 169.40	HU	13180	25	PC				25	3,600	30.8	A21	C	
781	90781	$ 183.60	HU	13180	25	PC				25	2,250	33.2	A21	C	
782	00782	$ 81.40	HU	13180	25	PC				25	5,000	25.0	A21	B	
785	00785	$ 204.30	HU	13180	25	PC				25	3,150	48.8	A21	B	
786	00786	$ 218.20	HU	13180	25	PC				25	2,000	59.4	A21	B	
787	90787	$ 87.40	HU	13180	50	PC				50	9,550	16.8	A21	C	
791	00791	$ 115.20	HU	13180	50	PC	4	1		50	15,900	10.4	A21	C	U
795	00795	$ 231.00	HU	13180	25	PC				25	2,275	42.3	A21	C	
796	00796	$ 289.60	HU	13180	25	PC				25	1,750	60.2	A21	D	
800	00800	$ 128.00	HU	13180	25	PC	3	1		25	3,600	38.0	A22	B	U
801	00801	$ 137.10	HU	13180	10	PC	0	1		10	1,900	40.2	A22	C	U
803	00803	$ 135.80	HU	13180	10	PC	4	1		10	1,900	42.2	A22	C	U
808	00808	$ 128.00	HU	13180	10	PC	9	1		10	1,900	35.2	A22	B	U
809	00809	$ 132.90	HU	13180	10	PC	6	1		10	1,900	35.2	A22	D	U
810	00810	$ 164.30	HU	13180	10	PC	2	1		10	3,600	37.2	A22	C	U
811	00811	$ 164.30	HU	13180	10	PC	9	1		10	1,900	39.4	A22	C	U
812	00812	$ 164.30	HU	13180	10	PC	6	1		10	1,900	39.0	A22	C	U
813	00813	$ 196.60	HU	13180	10	PC	3	1		10	2,280	34.0	A22	D	U
814	00814	$ 132.90	HU	13180	10	PC	0	1		10	1,900	37.8	A22	D	U
818	00818	$ 244.40	HU	13180	25	PC				25	3,150	30.9	A25	D	
819	00819	$ 292.50	HU	13180	25	PC				25	2,250	39.6	A25	D	
820	00820	$ 307.80	HU	13180	25	PC				25	2,275	44.4	A25	D	
821	00821	$ 359.00	HU	13180	5	PC				5	875	59.0	A39	D	
822	90822	$ 413.90	HU	13180	5	PC				5	720	67.0	A39	C	
823	00823	$ 561.90	HU	13180	5	PC				5	630	76.0	A39	D	
824	00824	$ 732.90	HU	13180	5	PC				5	630	83.0	A39	D	
825	00825	$1,234.90	HU	13180	1	PC				1	144	115.0	A39	D	
826	00826	$2,090.20	HU	13180	1	PC				1	144	123.0	A39	D	
827	00827	$2,906.20	HU	13180	1	PC				1	144	130.0	A39	D	
828	00828	$3,992.90	HU	13180	1	PC				1	144	136.0	A39	D	
829	00829	$ 198.80	HU	13180	25	PC				25	5,000	36.2	A24	D	
832	90832	$ 89.60	HU	13180	50	PC				50	5,600	40.3	A24	A	
833	00833	$ 130.30	HU	13180	50	PC	1	1		50	5,600	40.4	A24	C	U
835	00835	$ 204.30	HU	13180	25	PC				25	2,250	38.2	A24	D	
837	90837	$ 188.70	HU	13180	25	PC				25	4,650	35.0	A24	C	
838	00838	$ 188.70	HU	13180	25	PC				25	3,150	39.2	A24	C	
839	00839	$ 200.20	HU	13180	25	PC				25	2,250	43.4	A24	D	
840	00840	$ 245.30	HU	13180	25	PC				25	3,150	34.4	A25	D	
841	00841	$ 232.50	HU	13180	25	PC	6	1		25	3,600	28.8	A25	C	U
842	00842	$ 218.30	HU	13180	25	PC				25	2,250	49.2	A24	D	
843	00843	$ 190.20	HU	13180	25	PC				25	5,400	36.5	A24	C	
844	00844	$ 241.20	HU	13180	5	PC				5	1,440	72.6	A40	D	
845	00845	$ 364.50	HU	13180	5	PC				5	875	82.6	A40	D	
846	00846	$ 527.90	HU	13180	5	PC				5	720	107.6	A40	D	
847	00847	$ 735.30	HU	13180	1	PC				1	144	144.0	A40	D	
848	00848	$1,253.20	HU	13180	1	PC				1	144	156.0	A40	D	
849	00849	$2,373.50	HU	13180	1	PC				1	144	181.0	A40	D	
850	00850	$2,985.00	HU	13180	1	PC				1	144	206.0	A40	D	

N - New product S - Product will be deleted when stock is depleted U - UPC labeled product

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 8	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
851	00851	$3,639.50	HU	13180	1	PC				1	144	206.0	A40	D	
856	00856	$ 418.70	HU	13180	10	PC	0	1		10	2,880	55.0	A25	D	U
857	00857	$ 728.20	HU	13180	10	PC	7	1		10	2,880	48.8	A25	D	U
858	00858	$ 728.20	HU	13180	10	PC	4	1		10	2,880	54.4	A25	D	U
860	00860	$ 41.00	HU	13180	25	PC	7	1	25	100	14,400	10.1	A28	A	U
861	00861	$ 65.00	HU	13180	25	PC	4	1	25	100	14,400	10.3	A28	B	U
863	00863	$ 54.90	HU	13180	25	PC	8	1	25	100	14,400	8.8	A28	B	U
864	00964	$ 39.70	HU	13180	25	PC	5	1	25	100	14,400	7.8	A28	A	U
865	00965	$ 41.50	HU	13180	25	PC	2	1	25	100	14,400	9.9	A28	A	U
867	00867	$ 70.40	HU	13180	25	PC	6	1	25	100	14,400	8.3	A28	D	U
870RAC	00870	$ 370.80	HU	13180	10	PC	6	1		10	2,880	56.0	A25	D	U
871	00871	$ 62.90	HU	13180	25	PC	8	1		25	2,940	18.0	A32	B	U
872	00872	$ 64.20	HU	13180	25	PC	5	1		25	2,880	50.5	A32	D	U
873	00873	$ 64.20	HU	13180	25	PC	2	1		25	2,940	56.0	A32	D	U
878	00878	$ 378.20	HU	13180	10	PC	2	1		10	2,880	53.6	A25	D	U
880	00880	$ 52.90	HU	13180	50	PC				50	14,700	11.8	A28	C	
885	00885	$ 483.50	HU	13180	20	PC				20	1,600	62.8	A25	D	
887	00887	$ 378.20	HU	13180	10	PC	4	1		10	2,880	56.3	A25	D	U
888	00888	$ 378.20	HU	13180	10	PC	1	1		10	2,880	49.4	A25	D	U
890	00890	$ 83.20	HU	13180	25	PC				25	5,600	28.4	A41	B	
891	00891	$ 138.60	HU	13180	25	PC				25	3,600	31.6	A41	C	
892	00892	$ 94.60	HU	13180	25	PC				25	5,600	28.4	A41	C	
893	00893	$ 148.80	HU	13180	50	PC				50	7,200	17.9	A41	D	
898	00898	$ 447.20	HU	13180	20	PC				20	2,520	63.8	A24	D	
899	00899	$ 448.80	HU	13180	20	PC				20	1,820	75.6	A24	D	
902	00902	$ 126.20	HU	13180	25	PC	4	1		25	4,200	35.2	A22	A	U
906	00906	$ 139.30	HU	13180	10	PC	2	1		10	3,600	37.8	A22	B	U
907	00907	$ 148.60	HU	13180	25	PC	9	1		25	3,600	34.2	A22	A	U
915	00915	$ 138.80	HU	13180	10	PC	4	1		10	1,900	38.8	A22	D	U
918	00918	$ 148.40	HU	13190	40	PC				40	2,560	77.9	A40	C	
920	90920	$ 156.50	HU	13191	50	PC				50	3,800	37.3	A42	B	
922	00922	$ 154.60	HU	13191	50	PC				50	4,200	33.4	A42	C	
923	00923	$ 773.70	HU	13100	18	PC		1		18		216.7	A9	A	U
924	00924	$ 773.70	HU	13100	6	PC		1		6		216.7	A9	A	U
925	00925	$ 784.20	HU	13100	12	PC		1		12		216.7	A9	A	U
926	00926	$ 784.20	HU	13100	6	PC		1		6		216.7	A9	A	U
927	00927	$ 899.10	HU	13100	12	PC		1		12		216.7	A9	A	U
928	00928	$ 899.10	HU	13100	6	PC		1		6		216.7	A9	A	U
934	00934	$1,618.10	HU	13100	6	PC	5	1		6		227.5	A9	A	U
935	00935	$1,442.80	HU	13100	6	PC	2	1		6		227.5	A9	A	U
941	00941	$ 630.40	HU	13190	5	PC	3	1		5		162.5	A99	C	N
942	00942	$ 739.00	HU	13190	5	PC	0	1		5		197.5	A99	D	N
943	00943	$1,055.70	HU	13190	5	PC	7	1		5		231.3	A99	D	N
944	00944	$1,688.10	HU	13190	5	PC	4	1		5		255.9	A99	D	N
945	00945	$3,061.50	HU	13190	1	PC	1	1		1		318.8	A99	D	N
949	00949	$ 195.60	HU	13191	25	PC	9	1		25		21.9	A99	D	N
951	00951	$ 715.70	HU	13190	5	PC				5		130.0	A39	D	
952	00952	$ 899.70	HU	13190	5	PC	9	1		5		158.0	A39	C	U
953	00953	$1,204.90	HU	13190	5	PC		1		5		185.0	A39	D	
954	00954	$1,684.00	HU	13190	5	PC				5		204.7	A39	D	
955	00955	$3,874.30	HU	13190	1	PC				1		255.0	A39	D	
956	00956	$4,935.90	HU	13190	1	PC				1		304.4	A39	D	
957	00957	$5,517.60	HU	13190	1	PC				1		310.0	A39	D	
958	00958	$7,455.20	HU	13190	1	PC				1		325.0	A39	D	
959	00959	$ 710.30	HU	13180	10	PC	8	1		10		48.8	A25	D	U
960	00960	$1,451.70	HU	13190	1	PC				1		240.0	A41	D	
965	00965	$1,817.20	HU	13190	1	PC				1		290.0	A42	D	
970RAC	00970	$ 85.80	HU	13191	10	PC	3	1		10		11.5	A44	C	U
971	00971	$ 147.40	HU	13191	25	PC				25		23.2	A32, A42	D	
972	00972	$ 366.90	HU	13180	10	PC	7	1		10		50.5	A25	D	U
973	90973	$ 5.40	HU	13191	100	PC			100	1,000	80,000	0.6	A45	A	
974	00974	$ 79.40	HU	13191	25	PC				25		17.5	A39	D	
975	90975	$ 13.50	HU	13191	100	PC			100	1,000	80,000	1.0	A45	A	
976	00976	$ 157.00	HU	13191	25	PC	5	1		25		11.8	A45	B	U
977	90977	$ 44.50	HU	13191	100	PC				100		6.2	A44	A	

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978	00978	$ 11.90	HU	13191	50	PC				50		2.0	A43	A	
979	00979	$ 384.00	HU	13180	10	PC	6	1		10	2,940	47.0	A25	D	U
980	00980	$ 94.30	HU	13191	50	PC	2	1		50		15.0	A43	A	U
982	00982	$ 31.40	HU	13191	25	PC			25	1,000	50,000	1.5	A45	A	
983	90983	$ 33.00	HU	13191	1,000	PC			25	1,000	50,000	1.7	A45	A	
984	00984	$ 22.30	HU	13191	25	PC			25	1,000		1.2	A45	D	
985	00985	$ 185.00	HU	13190	25	PC	7	1		25		36.0	A44	A	U
986	00986	$ 232.70	HU	13190	25	PC	4	1		25		48.0	A44	A	U
992	00992	$ 36.20	HU	13191	100	PC			100	500		3.9	A45	C	
993	00993	$ 46.30	HU	13191	100	PC			100	500		4.5	A45	B	
1001	01001	$ 16.80	HU	15280	100	PC			100	1,000		1.1	C17	B	
1002	01002	$ 13.90	HU	15280	100	PC			100	1,000		1.5	C17	A	
1003	01003	$ 19.30	HU	15280	100	PC			100	1,000		2.0	C17	A	
1004	01004	$ 33.40	HU	15280	100	PC				100		3.7	C17	A	
1005	01005	$ 45.80	HU	15280	50	PC				50		6.5	C17	C	
1006	01006	$ 89.10	HU	15280	50	PC				50		7.8	C17	C	
1008	01008	$ 101.20	HU	15280	50	PC				50		10.6	C17	C	
1010	01010	$ 255.70	HU	15280	30	PC				30		24.0	C17	C	
1012	01012	$ 333.90	HU	15280	25	PC				25		33.2	C17	C	
1014	01014	$ 571.80	HU	15280	15	PC				15		54.5	C17	D	
1016	01016	$ 688.90	HU	15280	10	PC				10		64.4	C17	D	
1020	01020	$1,634.80	HU	15280	8	PC				8		141.8	C17	D	
1024	01024	$2,713.30	HU	15280	8	PC				8		202.0	C17	D	
1037	01037	$ 355.20	HU	15281	1	PC			1	10		23.1	C52	C	
1039	01039	$ 439.40	HU	15281	1	PC			1	10		31.8	C52	C	
1040	01040	$ 525.40	HU	15281	1	PC			1	10		59.2	C52	D	
1041	01041	$ 623.50	HU	15281	1	PC			1	10		73.9	C52	D	
1042	01042	$ 17.40	HU	15281	100	PC			100	1,000		1.6	C52	A	
1043	01043	$ 23.20	HU	15281	100	PC			100	1,000		1.7	C52	A	
1044	01044	$ 37.80	HU	15281	100	PC			100	400		3.1	C52	A	
1045	01045	$ 49.60	HU	15281	50	PC			50	200		3.2	C52	B	
1046	01046	$ 73.80	HU	15281	50	PC				50		4.4	C52	B	
1048	01048	$ 108.50	HU	15281	25	PC				25		6.6	C52	B	
1102	01102	$ 27.90	HU	15280	100	PC				100		5.5	C18	A	
1103	01103	$ 36.50	HU	15280	100	PC				100		7.4	C18	A	
1104	01104	$ 64.60	HU	15280	50	PC				50		10.3	C18	B	
1105	01105	$ 94.40	HU	15280	50	PC				50		18.2	C18	B	
1106	01106	$ 149.20	HU	15280	50	PC				50		23.2	C18	B	
1108	01108	$ 199.50	HU	15280	50	PC				50		32.5	C18	B	
1110	01110	$ 366.20	HU	15280	30	PC				30		36.8	C18	C	
1112	01112	$ 543.60	HU	15280	10	PC				10		40.6	C18	C	
1114	01114	$ 918.20	HU	15280	10	PC				10		80.0	C18	D	
1116	01116	$1,128.80	HU	15280	10	PC				10		112.0	C18	D	
1126	01126	$ 910.70	HU	15280	10	PC				10		37.8	C19	D	S
1127	01127	$1,240.60	HU	15280	5	PC				5		44.4	C19	D	
1128	01128	$1,504.10	HU	15280	5	PC				5		78.0	C19	D	
1129	01129	$2,021.10	HU	15280	5	PC				5		107.0	C19	D	
1132	01132	$ 81.80	HU	15280	100	PC				100		5.5	C19	A	
1133	01133	$ 121.80	HU	15280	50	PC				50		7.7	C19	A	
1134	01134	$ 176.60	HU	15280	25	PC				25		6.7	C19	B	
1135	01135	$ 254.70	HU	15280	25	PC				25		9.0	C19	B	
1136	01136	$ 315.70	HU	15280	25	PC				25		11.9	C19	B	
1138	01138	$ 455.80	HU	15280	10	PC				10		34.0	C19	B	
1141	01141	$ 107.00	HU	15280	100	PC				100		2.3	C16	B	
1142	01142	$ 62.70	HU	15280	100	PC				100		4.2	C16	A	
1143	01143	$ 96.20	HU	15280	50	PC				50		12.1	C16	A	
1144	01144	$ 96.20	HU	15280	50	PC				50		7.2	C16	A	
1145	01145	$ 203.70	HU	15280	50	PC				50		26.8	C16	B	
1146	01146	$ 203.70	HU	15280	50	PC				50		21.2	C16	B	
1147	01147	$ 203.70	HU	15280	50	PC				50		13.4	C16	B	
1148	01148	$ 268.60	HU	15280	50	PC				50		35.5	C16	B	
1149	01149	$ 255.90	HU	15280	50	PC				50		35.3	C16	B	
1150	01150	$ 255.90	HU	15280	50	PC				50		26.3	C16	B	
1151	01151	$ 259.90	HU	15280	50	PC				50		11.3	C16	C	
1152	01152	$ 580.10	HU	15280	25	PC				25		60.5	C16	C	

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1153	01153	$ 580.10	HU	15280	25	PC				25		61.0	C16	C	
1154	01154	$ 580.10	HU	15280	25	PC				25		65.2	C16	C	
1155	01155	$ 580.10	HU	15280	25	PC				25		46.5	C16	C	
1156	01156	$ 580.10	HU	15280	25	PC				25		31.9	C16	C	
1160	01160	$ 930.00	HU	15280	10	PC				10		157.5	C16	D	
1161	01161	$ 930.00	HU	15280	10	PC				10		92.0	C16	D	
1162	01162	$ 930.00	HU	15280	10	PC				10		53.0	C16	D	
1168	01168	$1,201.70	HU	15280	10	PC				10		195.5	C16	D	
1169	01169	$1,281.80	HU	15280	5	PC				5		132.2	C16	D	
1175	01175	$1,859.40	HU	15280	5	PC				5		312.5	C16	D	
1176	01176	$1,920.60	HU	15280	5	PC				5		230.7	C16	D	
1177	01177	$1,859.40	HU	15280	5	PC				5		132.5	C16	D	
1185	01185	$2,381.50	HU	15280	5	PC				5		291.8	C16	D	
1186	01186	$2,381.50	HU	15280	5	PC				5		156.2	C16	D	
1192	01192	$ 11.60	HU	15280	100	PC			100	1,000		1.1	C17	A	
1193	01193	$ 18.50	HU	15280	100	PC			100	1,000		1.7	C17	A	
1194	01194	$ 31.50	HU	15280	100	PC				100		3.4	C17	A	
1195	01195	$ 41.30	HU	15280	50	PC				50		5.0	C17	B	
1196	01196	$ 63.60	HU	15280	50	PC				50		6.7	C17	B	
1197	01197	$ 220.70	HU	15280	30	PC				30		12.2	C17	C	
1198	01198	$ 95.40	HU	15280	50	PC				50		9.1	C17	B	
1199	01199	$ 298.80	HU	15280	25	PC				25		18.2	C17	C	
1200	01200	$ 533.50	HU	15280	15	PC				15		22.7	C17	D	
1201	01201	$ 629.70	HU	15280	10	PC				10		25.6	C17	D	
1202	01202	$ 64.10	HU	15280	100	PC				100		1.5	C18	A	
1203	01203	$ 74.80	HU	15280	100	PC				100		2.9	C18	A	
1204	01204	$ 113.00	HU	15280	50	PC				50		4.2	C18	B	
1205	01205	$ 176.70	HU	15280	50	PC				50		7.0	C18	C	
1206	01206	$ 226.80	HU	15280	25	PC				25		9.0	C18	C	
1207	01207	$ 718.00	HU	15280	30	PC				30		12.5	C18	D	
1208	01208	$ 296.50	HU	15280	25	PC				25		13.0	C18	D	
1209	01209	$1,126.00	HU	15280	25	PC				25		19.0	C18	D	
1210	01210	$1,338.00	HU	15280	15	PC				15		23.0	C18	D	
1211	01211	$1,517.70	HU	15280	10	PC				10		28.5	C18	D	
1212	01212	$ 310.20	HU	15280	100	PC				100		7.8	C19	A	
1213	01213	$ 383.70	HU	15280	100	PC				100		11.4	C19	A	
1214	01214	$ 461.20	HU	15280	50	PC				50		13.4	C19	A	
1215	01215	$ 543.10	HU	15280	25	PC				25		16.9	C19	B	
1216	01216	$ 631.70	HU	15280	25	PC				25		27.1	C19	B	
1218	01218	$ 785.40	HU	15280	10	PC				10		35.4	C19	B	
1222	01222	$ 304.50	HU	15280	100	PC				100		7.3	C19	A	
1223	01223	$ 386.20	HU	15280	100	PC				100		9.1	C19	A	
1224	01224	$ 437.20	HU	15280	50	PC				50		12.1	C19	A	
1225	01225	$ 547.20	HU	15280	25	PC				25		20.0	C19	B	
1226	01226	$ 593.00	HU	15280	25	PC				25		25.5	C19	B	
1228	01228	$ 793.00	HU	15280	10	PC				10		37.2	C19	B	
1230	01230	$1,382.80	HU	15280	10	PC				10		42.9	C19	C	
1232	01232	$1,724.50	HU	15280	5	PC				5		48.0	C19	C	
1234	01234	$2,128.40	HU	15280	5	PC				5		82.4	C19	D	
1236	01236	$2,624.00	HU	15280	5	PC				5		113.4	C19	D	
1242	01242	$ 100.20	HU	15280	50	PC				50		5.0	C17	B	
1243	01243	$ 119.90	HU	15280	50	PC				50		5.1	C17	B	
1244	01244	$ 171.70	HU	15280	25	PC				25		5.7	C17	B	
1245	01245	$ 208.70	HU	15280	25	PC				25		10.7	C17	C	
1246	01246	$ 228.50	HU	15280	25	PC				25		11.5	C17	C	
1248	01248	$ 297.90	HU	15280	20	PC				20		14.7	C17	C	
1250	01250	$ 535.80	HU	15280	10	PC				10		20.0	C17	D	
1252	01252	$ 680.30	HU	15280	10	PC				10		23.7	C17	D	
1254	01254	$1,104.40	HU	15280	5	PC				5		24.0	C17	D	
1256	01256	$1,424.30	HU	15280	5	PC				5		27.5	C17	D	
1262	01262	$ 311.90	HU	15280	100	PC				100		7.8	C99	A	N
1263	01263	$ 402.10	HU	15280	100	PC				100		11.4	C99	A	N
1264	01264	$ 443.40	HU	15280	50	PC				50		13.4	C99	A	N
1265	01265	$ 565.40	HU	15280	25	PC				25		16.9	C99	B	N
1266	01266	$ 728.80	HU	15280	25	PC				25		27.1	C99	B	N

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Distributor Net Cost

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1267	01267	$ 963.20	HU	15280	10	PC				10		35.4	C99	B	N
1268	01268	$1,376.90	HU	15280	10	PC				10		36.4	C99	C	N
1270	01270	$1,801.20	HU	15280	5	PC				5		60.0	C99	C	N
1272	01272	$2,208.60	HU	15280	5	PC				5		119.1	C99	D	N
1274	01274	$2,725.20	HU	15280	5	PC				5		147.0	C99	D	N
1290	01290	$1,302.20	HU	15280	10	PC				10		36.4	C19	C	
1292	01292	$1,689.80	HU	15280	5	PC				5		60.0	C19	C	
1294	01294	$1,987.40	HU	15280	5	PC				5		119.1	C19	D	
1296	01296	$2,415.80	HU	15280	5	PC				5		147.0	C19	D	
1301	01301	$ 37.30	HU	15280	100	PC				100		3.3	C20	B	
1302	01302	$ 39.80	HU	15280	100	PC				100		6.3	C20	A	
1303	01303	$ 51.50	HU	15280	100	PC				100		6.6	C20	A	
1304	01304	$ 70.70	HU	15280	50	PC				50		14.3	C20	B	
1305	01305	$ 122.30	HU	15280	25	PC				25		14.3	C20	C	
1306	01306	$ 137.80	HU	15280	25	PC				25		20.4	C20	C	
1308	01308	$ 242.20	HU	15280	25	PC				25		45.7	C20	C	
1310	01310	$ 572.90	HU	15281	10	PC				10		74.4	C19, C20	D	
1312	01312	$ 779.80	HU	15281	10	PC				10		114.0	C19, C20	D	
1314	01314	$1,166.60	HU	15281	5	PC				5		162.5	C19, C20	D	
1316	01316	$2,280.70	HU	15281	5	PC				5		275.6	C19, C20	D	
1332	01332	$ 18.60	HU	15280	100	PC			100	500		4.4	C20	A	
1333	01333	$ 21.20	HU	15280	100	PC			100	500		5.8	C20	A	
1334	01334	$ 42.20	HU	15280	50	PC			50	250		7.1	C20	B	
1335	01335	$ 57.20	HU	15280	25	PC			25	100		12.5	C20	B	
1336	01336	$ 77.60	HU	15280	25	PC				25		18.4	C20	B	
1337	01337	$ 191.60	HU	15281	25	PC				25		55.1	C9, C20	C	
1338	01338	$ 128.40	HU	15280	25	PC				25		21.4	C20	B	
1339	01339	$ 240.90	HU	15281	25	PC				25		68.6	C9, C20	C	
1340	01340	$ 367.40	HU	15281	10	PC				10		96.4	C9, C20	D	
1341	01341	$ 474.90	HU	15281	10	PC				10		110.0	C9, C20	D	
1342	01342	$ 50.40	HU	15281	100	PC				100		7.1	C9, C21	A	
1343	01343	$ 60.20	HU	15281	100	PC				100		8.1	C9, C21	A	
1344	01344	$ 96.10	HU	15281	50	PC				50		15.5	C9, C21	B	
1345	01345	$ 149.60	HU	15281	25	PC				25		24.8	C9, C21	C	
1346	01346	$ 167.90	HU	15281	25	PC				25		24.5	C9, C21	C	
1347	01347	$ 525.20	HU	15281	10	PC				10		80.0	C9, C21	D	
1348	01348	$ 273.40	HU	15281	10	PC				10		55.6	C9, C21	D	
1349	01349	$ 752.70	HU	15281	10	PC				10		95.3	C9, C21	D	
1350	01350	$1,015.10	HU	15281	5	PC				5		141.0	C9, C21	D	
1351	01351	$2,211.70	HU	15281	5	PC				5		169.6	C9, C21	D	
1352	01352	$ 197.20	HU	15281	25	PC				25		11.8	C8, C15	A	
1353	01353	$ 286.10	HU	15281	25	PC				25		16.4	C8, C15	A	
1354	01354	$ 323.00	HU	15281	25	PC				25		23.5	C8, C15	B	
1365	01365	$ 11.70	HU	15281	200	PC			200	1,000		0.9	C53	A	
1366	01366	$ 20.80	HU	15281	100	PC			100	1,000		1.9	C53	A	
1367	01367	$ 21.60	HU	15281	100	PC			100	1,000		1.4	C53	A	
1368	01368	$ 36.70	HU	15281	100	PC				100		3.3	C53	A	
1369	01369	$ 35.60	HU	15281	100	PC				100		3.1	C53	A	
1370	01370	$ 36.90	HU	15281	100	PC				100		2.6	C53	A	
1371	01371	$ 45.10	HU	15281	50	PC				50		4.2	C53	B	
1372	01372	$ 45.10	HU	15281	50	PC				50		3.8	C53	B	
1373	01373	$ 42.90	HU	15281	50	PC				50		3.1	C53	B	
1374	01374	$ 44.70	HU	15281	50	PC				50		2.3	C53	B	
1375	01375	$ 61.40	HU	15281	50	PC				50		6.6	C53	B	
1376	01376	$ 62.60	HU	15281	50	PC				50		6.1	C53	B	
1377	01377	$ 57.60	HU	15281	50	PC				50		5.7	C53	B	
1378	01378	$ 59.80	HU	15281	50	PC				50		4.6	C53	B	
1379	01379	$ 61.90	HU	15281	50	PC				50		3.9	C53	B	
1380	01380	$ 88.80	HU	15281	50	PC				50		11.7	C53	C	
1381	01381	$ 92.20	HU	15281	50	PC				50		7.3	C53	C	
1382	01382	$ 95.70	HU	15281	50	PC				50		9.7	C53	C	
1383	01383	$ 99.50	HU	15281	50	PC				50		7.5	C53	C	
1384	01384	$ 113.20	HU	15281	25	PC				25		13.8	C53	C	
1385	01385	$ 117.50	HU	15281	25	PC				25		15.5	C53	C	
1386	01386	$ 122.00	HU	15281	25	PC				25		15.5	C53	C	

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1387	01387	$ 126.40	HU	15281	25	PC				25		10.4	C53	C	
1389	01389	$ 543.30	HU	15281	10	PC				10		19.3	C53	D	
1390	01390	$ 564.20	HU	15281	10	PC				10		21.9	C53	D	
1391	01391	$ 585.50	HU	15281	10	PC				10		20.1	C53	D	
1392	01392	$ 872.10	HU	15281	10	PC				10		26.4	C53	D	
1393	01393	$ 905.80	HU	15281	10	PC				10		27.9	C53	D	
1394	01394	$ 939.90	HU	15281	10	PC				10		18.8	C53	D	
1402	01402	$ 13.80	HU	15280	100	PC			100	400		0.7	C18	A	
1403	01403	$ 20.20	HU	15280	100	PC			100	400		0.9	C18	A	
1404	01404	$ 33.40	HU	15280	50	PC			50	200		1.5	C18	B	
1405	01405	$ 54.00	HU	15280	25	PC				25		2.1	C18	B	
1406	01406	$ 65.10	HU	15280	25	PC				25		2.4	C18	B	
1408	01408	$ 116.10	HU	15280	25	PC				25		3.9	C18	B	
1410	01410	$ 251.70	HU	15280	10	PC				10		6.0	C18	C	
1412	01412	$ 277.00	HU	15280	10	PC				10		8.3	C18	C	
1414	01414	$ 343.20	HU	15280	5	PC				5		11.2	C18	D	
1416	01416	$ 430.80	HU	15280	5	PC				5		12.0	C18	D	
1420	01420	$ 937.70	HU	15280	5	PC				5		32.2	C18	D	
1424	01424	$1,799.60	HU	15280	5	PC				5		41.0	C18	D	
1432	01432	$ 179.60	HU	15281	25	PC				25		14.8	C8, C15	A	
1432-8	14328	$ 188.60	HU	15281	25	PC	5	1		25		14.8	C8, C15	A	
1433	01433	$ 234.80	HU	15281	25	PC				25		24.3	C8, C15	A	
1433-8	14338	$ 246.50	HU	15281	15	PC	4	1		15		24.3	C8, C15	A	
1434	01434	$ 344.80	HU	15281	25	PC				25		35.9	C8, C15	B	
1434-8	14348	$ 362.00	HU	15281	15	PC	3	1		15		35.9	C8, C15	B	
1452	01452	$ 257.80	HU	15271	50	PC				50		8.6	C54	A	
1453	01453	$ 266.50	HU	15271	20	PC				20		13.6	C54	A	
1454	01454	$ 339.50	HU	15271	15	PC				15		20.4	C54	B	
1455	01455	$ 663.70	HU	15271	10	PC				10		35.6	C54	C	
1456	01456	$ 848.10	HU	15271	10	PC				10		40.7	C54	C	
1458	01458	$1,164.10	HU	15271	6	PC				6		56.3	C54	C	
1468	01468	$1,651.50	HU	15280	5	PC			5	25		90.0	C14	B	
1470	01470	$3,859.70	HU	15280	2	PC			2	10		120.0	C14	C	
1472	01472	$6,126.00	HU	15280	2	PC			2	10		170.0	C14	C	
1474	01474	$8,963.40	HU	15280	1	PC			1	5		380.0	C14	D	
1476	01476	$10,243.70	HU	15280	1	PC			1	5		460.0	C14	D	
1477	01477	$12,530.20	HU	15280	2	PC				2		550.0	C14	D	
1478	01478	$17,418.90	HU	15280	1	PC				1		1,200.0	C14	D	
1482	01482	$ 129.20	HU	15271	500	PC			50	500		8.0	C8, C40	A	
1483	01483	$ 133.00	HU	15271	250	PC			25	250		11.0	C8, C40	A	
1484	01484	$ 186.10	HU	15271	250	PC			25	250		23.0	C8, C40	B	
1502	01502	$ 212.70	HU	15280	25	PC			25	100		27.0	C14	A	
1503	01503	$ 273.10	HU	15280	25	PC			25	100		33.4	C14	A	
1504	01504	$ 503.60	HU	15280	5	PC			5	25		32.4	C14	A	
1505	01505	$ 977.60	HU	15280	5	PC			5	25		83.0	C14	B	
1506	01506	$1,171.60	HU	15280	10	PC				10		130.5	C14	B	
1508	01508	$2,347.50	HU	15280	10	PC				10		203.6	C14	B	
1510	01510	$4,984.00	HU	15280	4	PC				4		413.0	C14	C	
1512	01512	$7,564.90	HU	15280	4	PC				4		417.8	C14	C	
1514	01514	$12,193.80	HU	15280	2	PC				2		602.5	C14	D	
1516	01516	$14,339.60	HU	15280	2	PC				2		724.5	C14	D	
1520	01520	$29,429.80	HU	15280	1	PC				1		858.3	C14	D	
1524	01524	$39,227.80	HU	15280	1	PC				1		1,500.0	C14	D	
1552	01552	$ 244.70	HU	15281	25	PC			25	100		18.5	C15, C40	B	
1553	01553	$ 330.50	HU	15281	25	PC				25		18.2	C15, C40	B	
1554	01554	$ 504.50	HU	15281	25	PC				25		34.0	C15, C40	C	
1662	01662	$ 25.40	HU	15271	1,000	PC			100	1,000		3.1	C54	A	
1663	01663	$ 39.70	HU	15271	500	PC			50	500		5.8	C54	A	
1664	01664	$ 72.20	HU	15271	250	PC			25	250		8.9	C54	B	
1665	01665	$ 135.30	HU	15271	250	PC			25	250		13.8	C54	C	
1666	01666	$ 159.80	HU	15271	100	PC			25	100		19.9	C54	C	
1668	01668	$ 257.40	HU	15271	40	PC			10	40		29.7	C54	C	
1670	01670	$ 497.90	HU	15271	40	PC			10	40		41.2	C54	D	
1672	01672	$ 749.70	HU	15271	40	PC			10	40		49.2	C54	D	
1674	01674	$1,561.70	HU	15271	40	PC			10	40		68.0	C54	D	

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1676	01676	$2,407.20	HU	15271	20	PC			5	20		75.3	C54	D	
1702	01702	$ 403.60	HU	15270	25	PC				25		20.4	C16	A	
1703	01703	$ 505.40	HU	15270	25	PC				25		28.1	C16	A	
1704	01704	$ 590.70	HU	15270	25	PC				25		40.4	C16	A	
1705	01705	$ 789.40	HU	15270	10	PC				10		51.5	C16	B	
1706	01706	$ 824.80	HU	15270	10	PC				10		71.4	C16	B	
1708	01708	$1,078.70	HU	15270	10	PC				10		92.0	C16	B	
1710	01710	$2,180.20	HU	15270	5	PC				5		176.6	C16	C	
1712	01712	$3,173.20	HU	15270	2	PC				2		235.0	C16	C	
1714	01714	$4,555.10	HU	15270	2	PC				2		300.0	C16	D	
1716	01716	$5,430.50	HU	15270	2	PC				2		360.0	C16	D	
1722	01722	$ 202.60	HU	15280	50	PC				50		15.9	C13	A	
1723	01723	$ 291.90	HU	15280	25	PC				25		27.2	C13	B	
1724	01724	$ 579.10	HU	15280	10	PC				10		51.8	C13	C	
1762	01762	$ 181.40	HU	15271	50	PC				50		10.1	C5	A	
1763	01763	$ 238.50	HU	15271	25	PC				25		17.5	C5	B	
1802	01802	$ 192.70	HU	15280	25	PC			25	100		18.2	C12	A	
1803	01803	$ 310.30	HU	15280	25	PC			25	100		26.7	C12	A	
1804	01804	$ 484.70	HU	15280	10	PC			10	50		39.8	C12	A	
1805	01805	$ 638.30	HU	15280	5	PC			5	25		59.0	C12	B	
1806	01806	$1,150.00	HU	15280	5	PC				5		91.8	C12	B	
1808	01808	$2,206.40	HU	15280	5	PC				5		110.4	C12	B	
1810	01810	$4,444.70	HU	15280	5	PC				5		184.8	C12	C	
1812	01812	$5,892.70	HU	15280	1	PC				1		249.5	C12	C	
1814	01814	$7,452.10	HU	15280	1	PC				1		315.0	C12	D	
1816	01816	$9,123.10	HU	15280	1	PC				1		356.0	C12	D	
1822	01822	$ 310.90	HU	15280	25	PC			25	100		26.8	C12	A	
1823	01823	$ 498.70	HU	15280	10	PC			10	50		42.9	C12	A	
1824	01824	$ 869.80	HU	15280	5	PC			5	25		57.3	C12	A	
1825	01825	$1,161.90	HU	15280	5	PC			5	25		73.1	C12	B	
1826	01826	$1,525.70	HU	15280	5	PC				5		126.8	C12	B	
1828	01828	$3,336.80	HU	15280	5	PC				5		154.6	C12	B	
1830	01830	$6,137.70	HU	15280	5	PC				5		252.8	C12	C	
1832	01832	$8,131.80	HU	15280	5	PC				5		508.4	C12	C	
1834	01834	$10,359.50	HU	15280	1	PC				1		415.0	C12	D	
1836	01836	$13,255.70	HU	15280	1	PC				1		485.5	C12	D	
1941	01941	$ 190.70	HU	15281	25	PC				25		11.2	C8, C40	A	
1942	01942	$ 317.90	HU	15281	25	PC				25		16.2	C8, C40	A	
1942-8	19428	$ 333.90	HU	15281	25	PC	7	1		25		16.2	C8, C40	A	
1943	01943	$ 411.50	HU	15281	25	PC				25		23.6	C8, C40	B	
1943-8	19438	$ 432.10	HU	15281	20	PC	6	1		20		23.6	C8, C40	B	
1952	01952	$ 224.10	HU	15271	50	PC				50		13.0	C7	A	
1953	01953	$ 295.50	HU	15271	25	PC				25		22.5	C7	B	
1961	01961	$ 160.10	HU	15151	10	PC				10		0.6	C4	C	
1962	01962	$3,299.20	HU	15151	1	PC				1		119.6	C4	B	
1963	01963	$4,235.60	HU	15151	1	PC				1		138.9	C4	B	
1971	01971	$ 136.70	HU	15151	10	PC				10		0.6	C4	C	
1972	01972	$ 54.80	HU	15151	50	PC			50	500		7.0	C4	A	
1973	01973	$ 91.60	HU	15151	25	PC			25	250		10.6	C4	B	
1982	01982	$ 39.60	HU	15151	50	PC			50	500		5.5	C4	A	
1983	01983	$ 54.60	HU	15151	25	PC			25	250		9.6	C4	B	
1992	01992	$ 65.50	HU	15151	50	PC			50	500		7.2	C4	A	
1993	01993	$ 115.80	HU	15151	25	PC			25	250		10.8	C4	B	
2002	02002	$ 60.80	HU	15151	50	PC			50	500	24,000	7.6	C2	A	
2002-8	20028	$ 63.80	HU	15151	25	PC	5	1		25		7.6	C2	A	
2003	02003	$ 99.00	HU	15151	25	PC			25	250	12,000	12.2	C2	A	
2003-8	20038	$ 103.90	HU	15151	20	PC	4	1		20		12.2	C2	A	
2004	02004	$ 171.00	HU	15151	25	PC			25	100	5,400	21.0	C2	B	
2004-8	20048	$ 179.40	HU	15151	10	PC	3	1		10		21.0	C2	B	
2005	02005	$ 332.80	HU	15151	20	PC				20		41.1	C2	B	
2006	02006	$ 480.70	HU	15151	20	PC				20		49.4	C2	B	
2008	02008	$ 664.30	HU	15151	20	PC				20		63.4	C2	B	
2022	02022	$ 82.70	HU	15151	50	PC			50	500	16,000	8.0	C2	A	
2022-8	20228	$ 86.90	HU	15151	25	PC	9	1		25		8.0	C3	A	
2023	02023	$ 125.20	HU	15151	25	PC			25	250	12,000	13.5	C2	A	

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2023-8	20238	$ 131.40	HU	15151	20	PC	8	1		20		13.5	C2	A	
2024	02024	$ 189.70	HU	15151	25	PC			25	100	5,400	17.6	C2	B	
2024-8	20248	$ 199.20	HU	15151	10	PC	7	1		10		17.6	C2	B	
2025	02025	$ 397.40	HU	15151	5	PC			5	25		44.3	C2	B	
2026	02026	$ 552.40	HU	15151	20	PC				20		44.7	C2	B	
2026	02028	$ 740.40	HU	15151	20	PC				20		74.3	C2	B	
2041	02041	$ 58.00	HU	15281	100	PC				100		13.2	C55	B	
2052	02052	$ 37.40	HU	15281	100	PC				100		7.8	C55	A	
2053	02053	$ 39.80	HU	15281	100	PC				100		10.2	C55	A	
2054	02054	$ 50.10	HU	15281	100	PC				100		11.9	C55	A	
2055	02055	$ 66.00	HU	15281	100	PC				100		14.0	C55	B	
2056	02056	$ 73.20	HU	15281	100	PC				100		17.9	C55	B	
2057	02057	$ 100.60	HU	15281	25	PC				25		31.5	C55	C	
2058	02058	$ 82.20	HU	15281	50	PC				50		25.2	C55	B	
2059	02059	$ 126.80	HU	15281	25	PC				25		36.3	C55	C	
2060	02060	$ 157.10	HU	15281	10	PC				10		38.8	C55	D	
2061	02061	$ 323.40	HU	15281	10	PC				10		75.3	C55	D	
2072	02072	$ 293.50	HU	15151	25	PC			25	100		18.1	C55	A	
2073	02073	$ 460.10	HU	15151	25	PC				25		24.0	C55	B	
2082	02082	$ 16.80	HU	15151	100	PC			100	1,000		2.7	C9	A	
2083	02083	$ 22.00	HU	15151	50	PC			50	500		2.8	C9	A	
2084	02084	$ 36.80	HU	15151	50	PC			50	500		7.7	C9	B	
2085	02085	$ 49.20	HU	15151	50	PC				50		11.5	C9	B	
2086	02086	$ 75.20	HU	15151	50	PC				50		17.0	C9	B	
2088	02088	$ 118.00	HU	15151	25	PC				25		23.5	C9	B	
2092	02092	$ 8.40	HU	15151	100	PC				100		2.3	C9	A	
2093	02093	$ 12.40	HU	15151	100	PC				100		3.0	C9	A	
2094	02094	$ 17.70	HU	15151	100	PC				100		5.7	C9	B	
2095	02095	$ 25.50	HU	15151	50	PC				50		9.0	C9	B	
2096	02096	$ 30.60	HU	15151	50	PC				50		8.8	C9	B	
2098	02098	$ 51.50	HU	15151	25	PC				25		16.8	C9	B	
2101	02101	$ 144.70	HU	15281	50	PC				50		8.2	C35	A	
2102	02102	$ 139.20	HU	15281	50	PC				50		14.4	C35	A	
2102-8	21028	$ 146.10	HU	15281	25	PC	4	1		25		14.4	C35	A	U
2103	02103	$ 169.80	HU	15281	25	PC				25		17.8	C35	A	
2103-8	21038	$ 178.30	HU	15281	20	PC	3	1		20		17.8	C35	A	U
2104	02104	$ 367.70	HU	15281	25	PC				25		31.3	C35	B	
2104-8	21048	$ 386.10	HU	15281	5	PC	2	1		5		31.3	C35	B	U
2105	02105	$ 500.10	HU	15281	25	PC				25		40.5	C35	B	
2106	02106	$ 766.10	HU	15281	25	PC				25		65.8	C35	C	
2108	02108	$1,089.70	HU	15281	10	PC				10		95.9	C35	C	
2110	02110	$1,892.70	HU	15281	5	PC				5		131.0	C35	D	
2112	02112	$2,628.60	HU	15281	5	PC				5		232.1	C35	D	
2122	02122	$ 83.60	HU	15151	50	PC			50	500	24,000	7.8	C2	A	
2122-8	21228	$ 87.80	HU	15151	25	PC	8	1		25		7.8	C2	A	U
2123	02123	$ 132.50	HU	15151	25	PC			25	250	12,000	12.5	C2	A	
2123-8	21238	$ 139.00	HU	15151	20	PC	7	1		20		12.5	C2	A	U
2124	02124	$ 221.00	HU	15151	25	PC				25	7,200	20.4	C2	B	
2124-8	21248	$ 232.10	HU	15151	10	PC	6	1		10		20.4	C2	B	U
2125	02125	$ 402.50	HU	15151	20	PC				20		39.0	C2	B	
2126	02126	$ 569.40	HU	15151	20	PC				20		50.0	C2	B	
2128	02128	$ 825.30	HU	15151	20	PC				20		67.7	C2	B	
2140	02140	$2,032.20	HU	15151	5	PC				5		132.7	C2, C11	C	
2142	02142	$2,425.00	HU	15151	1	PC				1		159.6	C2, C11	C	
2144	02144	$3,284.10	HU	15151	1	PC				1		220.0	C2, C11	D	
2146	02146	$3,658.40	HU	15151	1	PC				1		249.4	C2, C11	D	
2150	02150	$2,368.30	HU	15151	5	PC				5		203.3	C2, C11	C	
2152	02152	$2,534.00	HU	15151	1	PC				1		186.6	C2, C11	C	
2154	02154	$2,720.70	HU	15151	1	PC				1		264.0	C2, C11	D	
2156	02156	$2,925.50	HU	15151	1	PC				1		306.3	C2, C11	D	
2160	02160	$3,688.50	HU	15151	5	PC				5		133.5	C2, C11	C	
2162	02162	$4,354.60	HU	15151	1	PC				1		162.6	C2, C11	C	
2164	02164	$5,874.00	HU	15151	1	PC				1		225.5	C2, C11	D	
2166	02166	$6,406.50	HU	15151	1	PC				1		238.0	C2, C11	D	
2181	02181	$ 113.30	HU	15281	50	PC				50		8.3	C41, C45	A	

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Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
2191	02191	$ 50.20	HU	15271	500	PC			50	500		6.3	C37, C41	A	
2192	02192	$ 66.20	HU	15271	250	PC			25	250		9.4	C37, C41	A	
2193	02193	$ 88.40	HU	15271	250	PC			25	250		12.4	C37, C41	B	
2194	02194	$ 195.20	HU	15271	100	PC			10	100		19.4	C37, C41	C	
2195	02195	$ 455.20	HU	15271	100	PC			10	100		29.6	C37	C	
2196	02196	$ 607.50	HU	15271	50	PC			5	50		38.4	C37	D	
2198	02198	$ 850.60	HU	15271	40	PC			10	40		46.0	C37	D	
2201	02201	$ 160.60	HU	15281	50	PC				50		16.1	C36, C42	A	
2202	02202	$ 207.70	HU	15281	25	PC			25	100		19.9	C36, C42	A	
2202-8	22028	$ 218.10	HU	15281	25	PC	3	1		25		19.9	C36, C42	A	U
2203	02203	$ 319.00	HU	15281	25	PC				25		27.4	C36, C42	A	
2203-8	22038	$ 334.90	HU	15281	20	PC	2	1		20		27.4	C36, C42	A	U
2204	02204	$ 730.30	HU	15281	25	PC				25		60.3	C36	B	
2204-8	22048	$ 766.80	HU	15281	5	PC	1	1		5		60.3	C36	B	U
2205	02205	$1,274.70	HU	15281	10	PC				10		87.4	C36	B	
2206	02206	$1,834.20	HU	15281	5	PC				5		126.4	C36	C	
2208	02208	$2,629.80	HU	15281	5	PC				5		199.6	C36	C	
2210	02210	$5,052.70	HU	15281	1	PC				1		510.0	C36	D	
2212	02212	$7,589.10	HU	15281	1	PC				1		766.0	C36	D	
2221	02221	$ 229.40	HU	15281	25	PC				25		10.5	C37	A	
2222	02222	$ 290.40	HU	15271	25	PC				25		16.6	C37, C42	B	
2232	02232	$ 8.30	HU	15280	100	PC				100		1.9	C20	A	
2233	02233	$ 10.50	HU	15280	100	PC				100		2.0	C20	A	
2234	02234	$ 17.00	HU	15280	100	PC				100		3.6	C20	A	
2235	02235	$ 23.50	HU	15280	100	PC				100		10.5	C20	B	
2236	02236	$ 30.90	HU	15280	50	PC				50		10.4	C20	B	
2238	02238	$ 41.70	HU	15280	25	PC				25		8.8	C20	B	
2239	02239	$ 79.90	HU	15281	25	PC				25		23.9	C9, C20	C	
2240	02240	$ 98.20	HU	15281	25	PC				25		38.6	C9, C20	C	
2241	02241	$ 132.80	HU	15281	25	PC				25		29.3	C9, C20	D	
2242	02242	$ 140.30	HU	15281	10	PC				10		32.2	C9, C20	D	
2245-2	22452	$ 484.30	HU	15280	5	PC				5		164.0	C20	D	
2246-2	22462	$ 535.10	HU	15280	5	PC				5		188.0	A99	D	
2252	02252	$ 16.50	HU	15151	100	PC			100	1,000		1.8	C10, C40	A	
2253	02253	$ 18.00	HU	15151	100	PC			100	1,000		2.2	C10, C40	A	
2254	02254	$ 28.70	HU	15151	100	PC			100	1,000		2.5	C10	B	
2272	02272	$ 56.00	HU	15271	500	PC			50	500		5.6	C38	A	
2273	02273	$ 93.10	HU	15271	250	PC			25	250		8.3	C38	B	
2281	02281	$ 37.80	HU	15271	500	PC			50	500		5.6	C38	A	
2282	02282	$ 37.80	HU	15271	500	PC			50	500		11.8	C38	A	
2283	02283	$ 85.10	HU	15271	250	PC			25	250		9.3	C38	B	
2402	02402	$ 388.30	HU	15281	10	PC				10		31.9	C48	B	
2403	02403	$ 469.40	HU	15281	10	PC				10		40.0	C48	B	
2404	02404	$ 533.30	HU	15281	5	PC				5		42.0	C48	B	
2405	02405	$ 706.30	HU	15281	10	PC				10		49.9	C48	C	
2406	02406	$1,147.70	HU	15281	5	PC				5		85.7	C48	C	
2408	02408	$2,561.80	HU	15281	5	PC				5		145.2	C48	C	
2410	02410	$5,600.90	HU	15281	1	PC				1		435.0	C48	D	
2412	02412	$7,506.30	HU	15281	1	PC				1		674.0	C48	D	
2414	02414	$9,861.80	HU	15281	1	PC				1		664.0	C48	D	
2416	02416	$10,654.50	HU	15281	1	PC				1		633.5	C48	D	
2430	02430	$ 492.20	HU	15281	10	PC				10		37.9	C48	B	
2440	02440	$1,314.50	HU	15281	10	PC				10		89.7	C48	B	
2441	02441	$ 21.40	HU	15281	100	PC				100		2.0	C50	A	
2442	02442	$ 31.90	HU	15281	100	PC				100		3.9	C50	A	
2443	02443	$ 44.90	HU	15281	50	PC				50		10.4	C50	B	
2444	02444	$ 96.20	HU	15281	50	PC				50		10.7	C50	B	
2448	02448	$1,739.80	HU	15271	10	PC				10		80.0	C49	C	
2452	02452	$ 53.70	HU	15700	50	PC			50	100		0.9	C27	A	
2452-8	24528	$ 112.80	HU	15700	25	BG	6	2		25		1.8	C27	A	U
2453	02453	$ 59.10	HU	15700	25	PC			25	50		1.4	C27	A	
2453-8	24538	$ 124.00	HU	15700	20	BG	5	2		20		2.8	C27	A	U
2454	02454	$ 85.70	HU	15700	25	PC			25	50		1.6	C27	B	
2454-8	24548	$ 180.00	HU	15700	10	BG	4	2		10		3.2	C27	B	U
2455	02455	$ 141.90	HU	15700	5	PC			5	25		3.5	C27	C	

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2456	02456	**$ 171.10**	HU	15700	5	PC			5	25		4.2	C27	C	
2458	02458	**$ 214.00**	HU	15700	5	PC			5	25		4.8	C27	D	
2462	02462	**$ 273.10**	HU	15271	25	PC			25	100		16.6	C49	A	
2465	02465	**$ 753.70**	HU	15271	10	PC				10		49.5	C49	C	
2468	02468	**$2,225.70**	HU	15271	10	PC				10		79.4	C49	C	
2474	02474	**$ 343.90**	HU	15271	10	PC				10		31.3	C49	C	
2475	02475	**$ 739.80**	HU	15271	10	PC				10		50.0	C49	C	
2476	02476	**$ 960.50**	HU	15271	10	PC				10		80.0	C49	C	
2478	02478	**$2,062.40**	HU	15271	10	PC				10		75.8	C49	C	
2485	02485	**$ 725.80**	HU	15271	10	PC				10		50.8	C49	C	
2486	02486	**$ 942.60**	HU	15271	10	PC				10		81.0	C49	C	
2488	02488	**$2,145.50**	HU	15271	10	PC				10		80.0	C49	C	
2498	02498	**$1,987.30**	HU	15271	10	PC				10		80.0	C49	C	
2500	02500	**$ 85.90**	HU	15281	100	PC				100		12.7	C52	A	
2504	02504	**$ 279.80**	HU	15281	25	PC				25		19.1	C51	A	
2505	02505	**$ 658.70**	HU	15281	25	PC				25		40.3	C51	C	
2507	02507	**$ 745.80**	HU	15281	25	PC				25		35.5	C51	C	
2508	02508	**$1,105.90**	HU	15281	25	PC				25		58.6	C51	D	
2510	02510	**$ 725.60**	HU	15281	25	PC				25		150.9	C52	B	
2511	02511	**$ 51.10**	HU	15271	1,000	PC			100	1,000		4.7	C38, C41	A	
2512	02512	**$ 738.80**	HU	15281	25	PC				25		38.8	C51	B	
2513	02513	**$1,060.90**	HU	15281	25	PC				25		45.6	C51	C	
2522	02522	**$1,127.30**	HU	15281	25	PC				25		62.5	C51	D	
2523	02523	**$1,127.30**	HU	15281	25	PC				25		48.3	C51	D	
2524	02524	**$ 136.80**	HU	15281	100	PC				100		22.3	C52	A	
2536	02536	**$ 321.00**	HU	15281	50	PC				50		49.2	C52	C	
2538	02538	**$ 487.40**	HU	15281	25	PC				25		89.8	C52	B	
2602	02602	**$ 33.50**	HU	15271	500	PC			50	500		6.5	C5	A	
2603	02603	**$ 58.10**	HU	15271	250	PC			25	250		9.5	C5	A	
2604	02604	**$ 95.60**	HU	15271	200	PC			50	200		13.9	C5	B	
2605	02605	**$ 166.40**	HU	15271	100	PC			25	100		26.7	C5	C	
2606	02606	**$ 269.60**	HU	15271	40	PC			10	40		39.0	C5	C	
2608	02608	**$ 333.50**	HU	15271	20	PC			5	20		54.9	C5	C	
2611	02611	**$ 80.10**	HU	15271	250	PC			25	250		11.8	C39, C43, C45	A	
2622	02622	**$ 35.20**	HU	15271	500	PC			50	500		7.1	C5	A	
2623	02623	**$ 63.70**	HU	15271	250	PC			25	250		10.9	C5	A	
2624	02624	**$ 105.20**	HU	15271	200	PC			50	200		15.2	C5	B	
2625	02625	**$ 182.40**	HU	15271	100	PC			25	100		28.2	C5	C	
2626	02626	**$ 279.40**	HU	15271	40	PC			10	40		39.3	C5	C	
2628	02628	**$ 371.40**	HU	15271	20	PC			5	20		57.7	C5	C	
2632	02632	**$ 58.30**	HU	15271	250	PC			25	250		9.7	C38	B	
2634	02634	**$ 46.20**	HU	15271	500	PC			50	500		7.0	C5	A	
2635	02635	**$ 77.70**	HU	15271	250	PC			25	250		10.0	C5	A	
2636	02636	**$ 123.70**	HU	15271	200	PC			50	200		15.0	C5	B	
2637	02637	**$ 201.10**	HU	15271	100	PC			25	100		29.0	C5	C	
2638	02638	**$ 319.20**	HU	15271	40	PC			10	40		40.0	C5	C	
2639	02639	**$ 414.20**	HU	15271	20	PC			5	20		54.0	C5	C	
2640	02640	**$ 987.20**	HU	15271	12	PC				12		86.0	C5	C	
2642	02642	**$1,182.80**	HU	15271	12	PC				12		109.9	C5	C	
2644	02644	**$1,658.90**	HU	15271	6	PC				6		127.0	C5	D	
2646	02646	**$1,750.80**	HU	15271	6	PC				6		146.8	C5	D	
2648	02648	**$1,791.70**	HU	15271	12	PC				12		83.0	C5	C	
2649	02649	**$2,124.30**	HU	15271	12	PC				12		100.0	C5	C	
2650	02650	**$2,967.70**	HU	15271	10	PC				10		128.0	C5	D	
2651	02651	**$3,065.70**	HU	15271	6	PC				6		156.0	C5	D	
2652	02652	**$ 264.70**	HU	15270	100	PC			10	100		26.9	C13	A	
2653	02653	**$ 317.80**	HU	15270	50	PC			5	50		31.1	C13	B	
2654	02654	**$ 597.30**	HU	15270	25	PC				25		62.0	C13	C	
2655	02655	**$ 776.60**	HU	15270	20	PC				20		91.5	C13	D	
2661	02661	**$ 52.30**	HU	15271	1,000	PC			100	1,000		5.3	C39, C41, C45	A	
2662	02662	**$ 270.20**	HU	15270	100	PC			10	100		31.0	C13	A	
2663	02663	**$ 429.40**	HU	15270	50	PC			5	50		22.6	C13	B	
2670	02670	**$ 888.40**	HU	15271	12	PC				12		84.1	C99	C	
2672	02672	**$ 925.50**	HU	15271	12	PC				12		109.1	C5	C	
2674	02674	**$1,132.10**	HU	15271	6	PC				6		126.1	C5	D	

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Distributor Net Cost

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2676	02676	**$1,223.40**	HU	15271	6	PC				6		151.8	C5	D	
2691	02691	**$ 82.20**	HU	15271	500	PC			50	500		8.8	C37, C43	A	
2692	02692	**$ 130.30**	HU	15271	250	PC			25	250		13.0	C37, C43	A	
2693	02693	**$ 192.10**	HU	15271	100	PC			10	100		19.2	C37, C43	B	
2694	02694	**$ 432.90**	HU	15271	50	PC			5	50		38.0	C37	C	
2695	02695	**$ 720.20**	HU	15271	40	PC			10	40		50.1	C37	C	
2696	02696	**$1,944.30**	HU	15271	5	PC				5		114.4	C37	D	
2698	02698	**$1,980.40**	HU	15271	5	PC				5		123.0	C37	D	
2700	02700	**$ 58.30**	HU	15280	50	PC			50	500		3.5	C44	A	
2700-8	27008	**$ 61.20**	HU	15280	25	PC	0	1		25		3.5	C44	A	U
2701	02701	**$ 66.90**	HU	15280	25	PC			25	250		5.3	C44	A	
2701-8	27018	**$ 70.40**	HU	15280	20	PC	9	1		20		5.3	C44	A	U
2702	02702	**$ 87.10**	HU	15271	1,000	PC			100	1,000		4.7	C8	A	
2703	02703	**$ 128.10**	HU	15271	50	PC				50		8.3	C8	B	
2709	02709	**$ 25.30**	HU	15281	100	PC				100		8.1	A45, C47, C52	B	
2710	02710	**$ 23.50**	HU	15281	200	PC				200		8.2	A45, C47, C52	A	
2711	02711	**$ 31.10**	HU	15271	1,000	PC			100	1,000		4.6	C46	A	
2715	02715	**$ 110.70**	HU	15280	25	PC			25	250		12.5	C44	A	
2715-8	27158	**$ 116.30**	HU	15280	10	PC	2	1		10		12.5	C44	A	U
2752	02752	**$ 251.20**	HU	15271	100	PC			10	100		21.0	C6	A	
2753	02753	**$ 410.30**	HU	15271	50	PC			5	50		35.1	C6	B	
2754	02754	**$ 589.00**	HU	15271	25	PC				25		68.0	C6	C	
2762	02762	**$ 251.20**	HU	15271	100	PC			10	100		17.4	C6	A	
2763	02763	**$ 410.40**	HU	15271	50	PC			5	50		35.0	C6	B	
2802	02802	**$ 53.00**	HU	15271	500	PC			50	500		8.8	C7	A	
2803	02803	**$ 73.60**	HU	15271	250	PC			25	250		13.2	C7	A	
2804	02804	**$ 138.50**	HU	15271	200	PC			50	200		21.8	C7	B	
2805	02805	**$ 239.00**	HU	15271	100	PC			25	100		35.6	C7	C	
2806	02806	**$ 347.70**	HU	15271	40	PC			10	40		53.6	C7	C	
2808	02808	**$ 478.40**	HU	15271	20	PC			5	20		81.0	C7	C	
2822	02822	**$ 62.80**	HU	15271	500	PC			50	500		10.6	C7	A	
2823	02823	**$ 87.60**	HU	15271	250	PC			25	250		16.6	C7	A	
2824	02824	**$ 162.30**	HU	15271	200	PC			50	200		27.8	C7	B	
2825	02825	**$ 261.00**	HU	15271	100	PC			25	100		23.4	C7	C	
2826	02826	**$ 371.20**	HU	15271	40	PC			10	40		67.3	C7	C	
2828	02828	**$ 528.00**	HU	15271	20	PC			5	20		92.0	C7	C	
2832	02832	**$ 64.10**	HU	15271	500	PC			50	500		10.0	C7	A	
2833	02833	**$ 89.40**	HU	15271	250	PC			25	250		14.0	C7	A	
2834	02834	**$ 170.30**	HU	15271	200	PC			50	200		20.0	C7	B	
2835	02835	**$ 307.10**	HU	15271	100	PC			25	100		37.0	C7	C	
2836	02836	**$ 436.50**	HU	15271	40	PC			10	40		55.0	C7	C	
2838	02838	**$ 621.50**	HU	15271	20	PC			5	20		81.0	C7	C	
2840	02840	**$1,418.70**	HU	15271	12	PC				12		104.2	C7	C	
2842	02842	**$1,983.50**	HU	15271	12	PC				12		131.1	C7	C	
2844	02844	**$2,763.80**	HU	15271	10	PC				10		165.2	C7	D	
2846	02846	**$3,102.00**	HU	15271	6	PC				6		197.3	C7	D	
2853	02853	**$ 146.80**	HU	15271	25	PC				25		12.8	C50	B	
2854	02854	**$ 192.10**	HU	15271	25	PC				25		13.9	C50	C	
2855	02855	**$ 349.60**	HU	15271	10	PC				10		26.1	C50	C	
2856	02856	**$ 672.10**	HU	15271	10	PC				10		34.4	C50	D	
2858	02858	**$1,050.90**	HU	15271	10	PC				10		41.7	C50	D	
2863	02863	**$ 111.90**	HU	15271	500	PC			50	500		8.9	C46, C50	B	
2864	02864	**$ 146.40**	HU	15271	250	PC			25	250		16.2	C46, C50	C	
2870	02870	**$1,879.10**	HU	15271	12	PC				12		132.5	C7	C	
2872	02872	**$2,483.20**	HU	15271	12	PC				12		173.2	C7	C	
2874	02874	**$3,368.70**	HU	15271	10	PC				10		213.6	C7	D	
2876	02876	**$3,781.60**	HU	15271	6	PC				6		255.0	C7	D	
2890	02890	**$2,311.00**	HU	15271	12	PC				12		107.0	C7	C	
2892	02892	**$3,068.50**	HU	15271	12	PC				12		137.0	C7	C	
2894	02894	**$4,178.90**	HU	15271	10	PC				10		176.0	C7	D	
2896	02896	**$4,690.30**	HU	15271	6	PC				6		206.0	C7	D	
2902	02902	**$ 111.10**	HU	15151	50	PC			50	500	16,000	10.2	C3	A	
2902-8	29028	**$ 116.60**	HU	15151	25	PC	6	1		25		10.2	C3	A	U
2903	02903	**$ 153.40**	HU	15151	50	PC			25	250	12,000	16.4	C3	A	
2903-8	29038	**$ 161.10**	HU	15151	20	PC	5	1		20		16.4	C3	A	U

N - New product S - Product will be deleted when stock is depleted U - UPC labeled product

Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indictator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
2904	02904	**$ 246.00**	HU	15151	50	PC			25	100	5,400	27.0	C3	B	
2904-8	29048	**$ 258.40**	HU	15151	10	PC	4	1		10		27.0	C3	B	U
2905	02905	**$ 508.00**	HU	15151	5	PC			5	25		45.1	C3	B	
2906	02906	**$ 741.20**	HU	15151	20	PC				20		59.6	C3	B	
2908	02908	**$1,040.80**	HU	15151	20	PC				20		88.5	C3	B	
2912	02912	**$ 133.90**	HU	15151	50	PC			50	500	16,000	9.2	C3	A	
2912-8	29128	**$ 140.70**	HU	15151	25	PC	3	1		25		9.2	C3	A	U
2913	02913	**$ 186.20**	HU	15151	25	PC			25	250	12,000	16.9	C3	A	
2913-8	29138	**$ 195.40**	HU	15151	20	PC	2	1		20		16.9	C3	A	U
2914	02914	**$ 302.40**	HU	15151	25	PC			25	100	5,400	24.0	C3	B	
2914-8	29148	**$ 317.60**	HU	15151	10	PC	1	1		10		24.0	C3	B	U
2915	02915	**$ 652.50**	HU	15151	5	PC			5	25		48.3	C3	B	
2916	02916	**$ 930.20**	HU	15151	20	PC				20		59.8	C3	B	
2918	02918	**$1,352.00**	HU	15151	20	PC				20		89.2	C3	B	
2922	02922	**$ 133.90**	HU	15151	50	PC			50	500	16,000	13.8	C3	A	
2922-8	29228	**$ 140.70**	HU	15151	25	PC	0	1		25		13.8	C3	A	U
2923	02923	**$ 186.20**	HU	15151	25	PC			25	250	8,000	20.6	C3	A	
2923-8	29238	**$ 195.40**	HU	15151	15	PC	9	1		15		20.6	C3	A	U
2924	02924	**$ 292.10**	HU	15151	25	PC			25	100	5,400	32.1	C3	B	
2924-8	29248	**$ 306.80**	HU	15151	10	PC	8	1		10		32.1	C3	B	U
2925	02925	**$ 553.00**	HU	15151	5	PC			5	25		56.3	C3	B	
2926	02926	**$ 806.10**	HU	15151	20	PC				20		71.4	C3	B	
2928	02928	**$1,095.30**	HU	15151	20	PC				20		108.0	C3	B	
2940	02940	**$3,433.00**	HU	15151	5	PC				5		175.4	C3	C	
2942	02942	**$4,558.70**	HU	15151	1	PC				1		267.4	C3	C	
2944	02944	**$6,861.30**	HU	15151	1	PC				1		277.4	C3	D	
2946	02946	**$7,016.20**	HU	15151	1	PC				1		330.6	C3	D	
2950	02950	**$4,286.20**	HU	15151	5	PC				5		252.8	C3	C	
2952	02952	**$5,356.40**	HU	15151	1	PC				1		380.2	C3	C	
2954	02954	**$8,433.50**	HU	15151	1	PC				1		405.4	C3	D	
2956	02956	**$8,618.20**	HU	15151	1	PC				1		485.5	C3	D	
2960	02960	**$5,594.00**	HU	15151	5	PC				5		172.6	C3	C	
2962	02962	**$7,052.30**	HU	15151	1	PC				1		264.2	C3	C	
2964	02964	**$10,373.80**	HU	15151	1	PC				1		300.0	C3	D	
2966	02966	**$10,607.30**	HU	15151	1	PC				1		373.0	C3	D	
3002	03002	**$ 170.40**	HU	15280	25	PC			25	100		16.2	C11	A	
3003	03003	**$ 216.90**	HU	15280	25	PC			25	100		19.7	C11	A	
3004	03004	**$ 317.40**	HU	15280	10	PC				10		34.2	C11	A	
3005	03005	**$ 561.60**	HU	15280	5	PC				5		53.2	C11	B	
3006	03006	**$1,020.10**	HU	15280	5	PC				5		80.5	C11	B	
3008	03008	**$1,408.90**	HU	15280	5	PC				5		102.8	C11	B	
3022	03022	**$ 239.00**	HU	15280	25	PC				25		27.9	C11	A	
3023	03023	**$ 284.30**	HU	15280	10	PC				10		36.3	C11	A	
3024	03024	**$ 435.20**	HU	15280	5	PC				5		57.3	C11	A	
3025	03025	**$ 671.40**	HU	15280	5	PC				5		77.9	C11	B	
3026	03026	**$ 869.10**	HU	15280	5	PC				5		109.0	C11	B	
3028	03028	**$1,958.00**	HU	15280	5	PC				5		139.4	C11	B	
3201	03201	**$ 237.50**	HU	15281	50	PC				50		18.2	C36, C42	A	
3202	03202	**$ 261.40**	HU	15281	25	PC				25		19.5	C36, C42	A	
3202-8	32028	**$ 274.60**	HU	15281	25	PC	0	1		25		19.5	C36, C42	A	U
3203	03203	**$ 399.50**	HU	15281	25	PC				25		27.5	C36, C42	B	
3203-8	32038	**$ 419.40**	HU	15281	20	PC	9	1		20		27.5	C36, C42	B	U
3204	03204	**$ 986.20**	HU	15281	25	PC				25		62.1	C36	B	
3204-8	32048	**$1,035.60**	HU	15281	5	PC	8	1		5		62.1	C36	B	U
3205	03205	**$1,529.40**	HU	15281	10	PC				10		87.2	C36	C	
3206	03206	**$2,249.40**	HU	15281	5	PC				5		127.0	C36	C	
3208	03208	**$2,984.20**	HU	15281	5	PC				5		204.0	C36	D	
3301	03301	**$ 200.00**	HU	15281	50	PC				50		8.1	C35	A	
3302	03302	**$ 176.90**	HU	15281	50	PC				50		13.9	C35	B	
3302-8	33028	**$ 185.60**	HU	15281	25	PC	9	1		25		13.9	C35	B	U
3303	03303	**$ 223.10**	HU	15281	25	PC				25		18.1	C35	B	
3303-8	33038	**$ 234.20**	HU	15281	20	PC	8	1		20		18.1	C35	B	U
3304	03304	**$ 416.70**	HU	15281	25	PC				25		28.5	C35	C	
3304-8	33048	**$ 437.50**	HU	15281	5	PC	7	1		5		28.5	C35	C	U
3305	03305	**$ 655.20**	HU	15281	25	PC				25		47.0	C35	D	

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3306	03306	$ 968.40	HU	15281	25	PC				25		66.2	C35	D	
3308	03308	$1,464.00	HU	15281	10	PC				10		96.0	C35	D	
3401	03401	$ 196.70	HU	15700	50	PC			50	200		14.8	C23	A	
3401-1	34011	$ 284.30	HU	15700	10	PC				10		15.4	A99	A	
3402	03402	$ 193.70	HU	15700	50	PC			50	200		17.5	C23	A	
3402-8	34028	$ 203.40	HU	15700	15	PC	8	1		15		17.5	C23	A	U
3403	03403	$ 283.40	HU	15700	25	PC			25	100		20.4	C23	A	
3403-8	34038	$ 297.50	HU	15700	10	PC	7	1		10		20.4	C23	A	U
3404	03404	$ 441.20	HU	15700	10	PC				10		36.0	C23	B	
3404-8	34048	$ 463.20	HU	15700	5	PC	6	1		5		36.0	C23	B	U
3405	03405	$ 813.60	HU	15700	10	PC				10		60.6	C23	B	
3406	03406	$1,075.10	HU	15700	5	PC				5		83.0	C23	B	
3408	03408	$1,874.20	HU	15700	5	PC				5		109.0	C23	B	
3410	03410	$9,078.80	HU	15700	1	PC				1		305.0	C23	C	
3412	03412	$10,240.30	HU	15700	1	PC				1		410.0	C23	C	
3414	03414	$12,067.30	HU	15700	1	PC				1		472.0	C23	D	
3416	03416	$12,123.70	HU	15700	1	PC				1		560.0	C23	D	
3421	03421	$ 319.50	HU	15700	25	PC			25	100		22.8	C25	A	
3422	03422	$ 316.40	HU	15700	25	PC			25	100		23.4	C25	A	
3422-8	34228	$ 332.20	HU	15700	15	PC	2	1		15		23.4	C25	A	U
3423	03423	$ 468.00	HU	15700	25	PC			25	100		36.9	C25	A	
3423-8	34238	$ 491.30	HU	15700	10	PC	1	1		10		36.9	C25	A	U
3424	03424	$ 953.00	HU	15700	10	PC				10		56.6	C25	B	
3424-8	34248	$1,000.60	HU	15700	5	PC	0	1		5		56.6	C25	B	U
3425	03425	$1,513.10	HU	15700	10	PC				10		84.5	C25	B	
3426	03426	$1,883.30	HU	15700	5	PC				5		123.2	C25	C	
3428	03428	$2,607.60	HU	15700	5	PC				5		206.0	C25	C	
3430	03430	$11,558.10	HU	15700	1	PC				1		461.0	C25	D	
3432	03432	$16,170.00	HU	15700	1	PC				1		630.0	C25	D	
3436	03436	$17,878.20	HU	15700	1	PC				1		987.0	C25	D	
3441	03441	$ 348.50	HU	15700	25	PC				25		22.5	C24	A	
3442	03442	$ 355.20	HU	15700	25	PC				25		24.5	C24	A	
3443	03443	$ 465.70	HU	15700	25	PC				25		34.7	C24	A	
3444	03444	$ 953.00	HU	15700	10	PC				10		46.7	C24	B	
3445	03445	$1,469.00	HU	15700	10	PC				10		74.4	C24	B	
3446	03446	$1,847.30	HU	15700	5	PC				5		113.0	C24	C	
3448	03448	$2,619.10	HU	15700	5	PC				5		270.0	C28	C	
3511	03511	$ 218.90	HU	15700	25	PC			25	100		15.5	C23	A	
3511-3	35113	$ 355.20	HU	15700	25	PC				25		19.0	C26	B	
3512	03512	$ 218.90	HU	15700	50	PC			50	200		17.5	C23	A	
3512-3	35123	$ 355.20	HU	15700	25	PC				25		21.8	C26	B	
3512-8	35128	$ 229.80	HU	15700	15	PC	4	1		15		17.5	C23	A	U
3513	03513	$ 319.40	HU	15700	25	PC			25	100		20.3	C23	A	
3513-3	35133	$ 464.60	HU	15700	25	PC				25		24.9	C26	B	
3513-8	35138	$ 335.50	HU	15700	10	PC	3	1		10		20.3	C23	A	U
3514	03514	$ 571.50	HU	15700	10	PC				10		36.3	C23	B	
3514-3	35143	$ 709.10	HU	15700	10	PC				10		42.6	C26	C	
3514-8	35148	$ 600.10	HU	15700	5	PC	2	1		5		36.3	C23	B	U
3515	03515	$ 895.10	HU	15700	10	PC				10		53.8	C23	B	
3515-3	35153	$1,245.70	HU	15700	10	PC				10		68.8	C26	C	
3516	03516	$1,167.90	HU	15700	5	PC				5		84.5	C23	B	
3516-3	35163	$2,076.40	HU	15700	5	PC				5		92.7	C26	C	
3518	03518	$2,087.50	HU	15700	5	PC				5		111.0	C23	B	
3518-3	35183	$2,637.50	HU	15700	5	PC				5		126.7	C26	C	
3520	03520	$10,770.40	HU	15700	1	PC				1		291.0	C23	C	
3520-3	35203	$11,108.70	HU	15700	1	PC				1		335.5	C26	D	
3522	03522	$12,010.90	HU	15700	1	PC				1		409.0	C23	C	
3522-3	35223	$13,082.30	HU	15700	1	PC				1		442.0	C26	D	
3524	03524	$14,379.30	HU	15700	1	PC				1		510.0	C23	D	
3524-3	35243	$14,999.60	HU	15700	1	PC				1		524.0	C26	D	
3526	03526	$14,435.70	HU	15700	1	PC				1		547.0	C23	D	
3526-3	35263	$15,225.10	HU	15700	1	PC				1		617.7	C26	D	
3541	03541	$ 377.70	HU	15700	25	PC			25	100		23.0	C25	A	
3541-3	35413	$ 485.10	HU	15700	25	PC				25		28.5	C26	B	
3542	03542	$ 377.70	HU	15700	25	PC			25	100		23.5	C25	A	

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Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or B	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
3542-3	35423	$ 485.10	HU	15700	25	PC				25		30.4	C26	B	
3542-5	35428	$ 398.70	HU	15700	15	PC	5	1		15		23.5	C25	A	U
3543	03543	$ 558.30	HU	15700	25	PC			25	100		35.4	C25	A	
3543-3	35433	$ 758.90	HU	15700	25	PC				25		44.6	C26	B	
3543-5	35438	$ 586.10	HU	15700	10	PC	4	1		10		35.4	C25	A	U
3544	03544	$1,068.20	HU	15700	10	PC				10		54.1	C25	B	
3544-3	35443	$1,330.80	HU	15700	10	PC				10		65.6	C26	B	
3544-5	35448	$1,113.20	HU	15700	5	PC	3	1		5		54.1	C25	B	U
3545	03545	$1,626.20	HU	15700	10	PC				10		101.1	C25	B	
3545-3	35453	$2,197.80	HU	15700	10	PC				10		100.6	C26	C	
3546	03546	$2,014.50	HU	15700	5	PC				5		123.7	C25	C	
3546-3	35463	$2,562.10	HU	15700	5	PC				5		142.4	C26	C	
3548	03548	$2,893.70	HU	15700	5	PC				5		180.4	C25	C	
3548-3	35483	$3,644.90	HU	15700	5	PC				5		202.8	C26	C	
3550	03550	$13,505.50	HU	15700	1	PC				1		500.0	C25	D	
3550-3	35503	$14,348.00	HU	15700	1	PC				1		553.8	C26	D	
3552	03552	$16,227.10	HU	15700	1	PC				1		625.0	C25	D	
3552-3	35523	$16,853.30	HU	15700	1	PC				1		686.9	C26	D	
3556	03556	$21,000.70	HU	15700	1	PC				1		950.0	C25	D	
3556-3	35563	$21,522.10	HU	15700	1	PC				1		1,033.1	C26	D	
3561	03561	$ 398.90	HU	15700	25	PC				25		22.1	C24	B	
3561-3	35613	$ 507.60	HU	15700	25	PC				25		28.2	C26	B	
3562	03562	$ 398.90	HU	15700	25	PC				25		24.8	C24	A	
3562-3	35623	$ 507.60	HU	15700	25	PC				25		31.4	C26	B	
3563	03563	$ 574.10	HU	15700	25	PC				25		33.5	C24	B	
3563-3	35633	$ 750.80	HU	15700	25	PC				25		42.3	C26	B	
3564	03564	$1,068.20	HU	15700	10	PC				10		47.6	C24	C	
3564-3	35643	$1,330.80	HU	15700	10	PC				10		55.1	C26	B	
3565	03565	$1,548.70	HU	15700	10	PC				10		76.0	C24	C	
3565-3	35653	$2,197.80	HU	15700	10	PC				10		84.6	C26	C	
3566	03566	$1,918.80	HU	15700	5	PC				5		162.0	C24	D	
3566-3	35663	$2,562.10	HU	15700	5	PC				5		131.0	C26	C	
3568	03568	$2,963.70	HU	15700	5	PC				5		270.0	C24	D	
3568-3	35683	$3,644.00	HU	15700	5	PC				5		308.9	C26	C	
3702-1	37021	$ 264.90	HU	15400	25	PC				25		16.8	C30	A	
3702-2	37022	$ 264.90	HU	15400	25	PC				25		16.5	C30	A	
3702-3	37023	$ 264.90	HU	15400	25	PC				25		16.0	C30	A	
3702-4	37024	$ 264.90	HU	15400	25	PC				25		18.0	C30	A	
3702-5	37025	$ 264.90	HU	15400	25	PC				25		16.6	C30	A	
3702-6	37026	$ 264.90	HU	15400	25	PC				25		15.0	C30	A	
3703-1	37031	$ 293.70	HU	15400	25	PC				25		20.6	C30	B	
3703-2	37032	$ 293.70	HU	15400	25	PC				25		20.4	C30	B	
3703-3	37033	$ 293.70	HU	15400	25	PC				25		20.0	C30	B	
3703-4	37034	$ 293.70	HU	15400	25	PC				25		19.6	C30	B	
3703-5	37035	$ 293.70	HU	15400	25	PC				25		18.8	C30	B	
3703-6	37036	$ 293.70	HU	15400	25	PC				25		19.8	C30	B	
3704-1	37041	$ 483.20	HU	15400	25	PC				25		32.7	C30	C	
3704-2	37042	$ 483.20	HU	15400	25	PC				25		31.6	C30	C	
3704-3	37043	$ 483.20	HU	15400	25	PC				25		34.1	C30	C	
3705-1	37051	$1,076.00	HU	15400	25	PC				25		53.8	C30	D	
3705-2	37052	$1,076.00	HU	15400	25	PC				25		51.7	C30	D	
3705-3	37053	$1,076.00	HU	15400	25	PC				25		50.0	C30	D	
3706-1	37061	$1,391.60	HU	15400	10	PC				10		82.6	C30	D	
3706-2	37062	$1,391.60	HU	15400	10	PC				10		80.5	C30	D	
3782-2	37822	$ 278.20	HU	15400	15	PC	9	1		15		16.5	C30	A	U
3782-5	37825	$ 278.20	HU	15400	15	PC	0	1		15		16.6	C30	A	U
3782-6	37826	$ 278.20	HU	15400	15	PC	7	1		15		15.0	C30	A	U
3792-1	37921	$ 467.90	HU	15400	25	PC				25		22.3	C31	B	
3792-2	37922	$ 467.90	HU	15400	25	PC				25		21.9	C31	B	
3792-3	37923	$ 467.90	HU	15400	25	PC				25		18.0	C31	B	
3792-4	37924	$ 467.90	HU	15400	25	PC				25		21.6	C31	B	
3792-5	37925	$ 467.90	HU	15400	25	PC				25		23.6	C31	B	
3792-6	37926	$ 467.90	HU	15400	25	PC				25		22.3	C31	B	
3793-1	37931	$ 611.80	HU	15400	10	PC				10		31.5	C31	C	
3793-2	37932	$ 611.80	HU	15400	10	PC				10		33.7	C31	C	

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Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
3793-3	37933	$ 611.80	HU	15400	10	PC				10		31.5	C31	C	
3793-4	37934	$ 611.80	HU	15400	10	PC				10		38.1	C31	C	
3793-5	37935	$ 611.80	HU	15400	10	PC				10		30.7	C31	C	
3793-6	37936	$ 611.80	HU	15400	10	PC				10		31.1	C31	C	
4699-3	46993	$ 304.40	HU	15550	25	PC				25		5.0	C32	B	S
4699-5	46995	$ 304.40	HU	15550	25	PC				25		5.0	C32	A	S
4699-6	46996	$ 304.40	HU	15550	25	PC				25		5.0	C32	A	S
4700-4	47004	$ 304.40	HU	15550	25	PC				25		5.0	C32	D	S
4700-5	47005	$ 304.40	HU	15550	25	PC				25		5.0	C32	A	
4700-6	47006	$ 304.40	HU	15550	25	PC				25		5.0	C32	A	
4702-1	47021	$ 310.90	HU	15550	25	PC				25		7.7	C32	B	
4702-3	47023	$ 310.90	HU	15550	25	PC				25		7.7	C32	B	
4702-4	47024	$ 310.90	HU	15550	25	PC				25		7.7	C32	B	
4702-5	47025	$ 310.90	HU	15550	25	PC				25		8.0	C32	B	
4702-6	47026	$ 310.90	HU	15550	25	PC				25		6.7	C32	B	
4703-1	47031	$ 335.60	HU	15550	15	PC				15		12.1	C32	B	
4703-2	47032	$ 335.60	HU	15550	15	PC				15		11.2	C32	B	
4703-3	47033	$ 335.60	HU	15550	15	PC				15		11.6	C32	B	
4703-4	47034	$ 335.60	HU	15550	15	PC				15		9.6	C32	B	
4704-3	47043	$ 433.00	HU	15550	10	PC				10		17.5	C32	A	
4704-5	47045	$ 433.00	HU	15550	10	PC				10		15.6	C32	A	
4704-6	47046	$ 433.00	HU	15550	10	PC				10		14.4	C32	A	
4712	04712	$ 16.90	HU	15551	500	PC				500		2.0	C46	B	
4712-8	47128	$ 356.30	HU	15551	10	BG	9	10		10		12.5	C46	B	U
4713	04713	$ 20.10	HU	15551	200	PC			50	200		2.0	C46	B	
4721	04721	$ 175.10	HU	15550	25	PC				25		1.2	C28	B	
4722	94722	$ 175.10	HU	15550	25	PC				25		2.8	C28	B	
4722-8	04722	$ 208.40	HU	15550	20	PC	4	1		20		2.8	C28	B	U
4723	94723	$ 254.80	HU	15550	25	PC				25		5.6	C28	C	
4723-8	04723	$ 306.70	HU	15550	15	PC	1	1		15		5.6	C28	C	U
4724	94724	$ 361.10	HU	15550	10	PC				10		8.0	C28	C	
4724-8	04724	$ 484.60	HU	15550	10	PC	8	1		10		8.0	C28	C	U
4725	04725	$ 617.10	HU	15550	10	PC				10		10.0	C28	C	
4726	04726	$ 958.90	HU	15550	5	PC				5		15.0	C28	A	
4728	04728	$1,484.40	HU	15550	5	PC				5		20.0	C28	A	
4731	04731	$ 253.70	HU	15550	25	PC				25		2.8	C28	A	
4732	94732	$ 253.70	HU	15550	25	PC				25		4.4	C28	A	
4732-8	04732	$ 301.70	HU	15550	20	PC	3	1		20		4.4	C28	A	U
4733	94733	$ 398.60	HU	15550	25	PC				25		9.0	C28	A	
4733-8	04733	$ 474.60	HU	15550	15	PC	0	1		15		9.0	C28	A	U
4734	94734	$ 760.90	HU	15550	10	PC				10		12.0	C28	B	
4734-8	04734	$ 896.30	HU	15550	10	PC	7	1		10		12.0	C28	B	U
4735	04735	$1,135.40	HU	15550	10	PC				10		16.0	C28	B	
4741	04741	$ 175.20	HU	15550	25	PC				25		1.2	C29	C	
4742	04742	$ 175.20	HU	15550	25	PC				25		2.8	C29	C	
4743	04743	$ 254.80	HU	15550	25	PC				25		5.6	C29	A	
4744	04744	$ 361.10	HU	15550	10	PC				10		8.0	C29	A	
4745	04745	$ 617.10	HU	15550	10	PC				10		10.0	C29	A	
4746	04746	$ 958.90	HU	15550	5	PC				5		15.0	C29	A	
4748	04748	$1,484.40	HU	15550	5	PC				5		20.0	C29	A	
4751	04751	$ 253.70	HU	15550	25	PC				25		2.8	C29	B	
4752	04752	$ 253.70	HU	15550	25	PC				25		21.0	C29	B	
4753	04753	$ 398.60	HU	15550	25	PC				25		9.0	C29	B	
4754	04754	$ 760.90	HU	15550	10	PC				10		12.0	C29	A	
4755	04755	$1,135.50	HU	15550	10	PC				10		16.0	C29	A	
4792-3	47923	$ 534.20	HU	15550	25	PC				25		9.0	C33	B	
4792-4	47924	$ 534.20	HU	15550	25	PC				25		9.0	C33	B	
4792-5	47925	$ 534.20	HU	15550	25	PC				25		8.8	C33	C	
4792-6	47926	$ 534.20	HU	15550	25	PC				25		8.3	C33	C	
4793-2	47932	$ 676.40	HU	15550	15	PC				15		13.8	C33	A	
4794-3	47943	$1,027.20	HU	15550	10	PC				10		21.9	C33	B	
4794-4	47944	$1,027.20	HU	15550	10	PC				10		21.2	C33	B	
4794-5	47945	$1,027.20	HU	15550	10	PC				10		18.8	C33	B	
4799-1	47991	$ 281.40	HU	15551	25	PC				25		7.8	C49	C	
4799-3	47993	$ 319.10	HU	15551	15	PC				15		11.2	C49	C	

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Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
4801-0	48010	**$ 265.60**	HU	15550	25	PC				25		5.9	C34	C	
4801-1	48011	**$ 265.60**	HU	15550	25	PC				25		5.9	C34	C	
4801-2	48012	**$ 265.60**	HU	15550	25	PC				25		5.9	C34	A	
4801-3	48013	**$ 265.60**	HU	15550	25	PC				25		5.9	C34	A	
4801-4	48014	**$ 265.60**	HU	15550	25	PC				25		5.9	C34	D	
4801-5	48015	**$ 265.60**	HU	15550	25	PC				25		5.9	C34	D	
4802-4	48024	**$ 280.30**	HU	15550	25	PC				25		8.7	C34	D	
4802-5	48025	**$ 280.30**	HU	15550	25	PC				25		8.7	C34	A	
4802-8	48028	**$ 280.30**	HU	15550	15	PC				15		13.9	C34	A	
4802-9	48029	**$ 280.30**	HU	15550	15	PC				15		13.9	C34	B	
4803-2	48032	**$ 328.40**	HU	15550	25	PC				25		12.1	C34	B	
4803-3	48033	**$ 328.40**	HU	15550	25	PC				25		11.7	C34	B	
4803-4	48034	**$ 328.40**	HU	15550	25	PC				25		12.1	C34	B	
4803-5	48035	**$ 328.40**	HU	15550	25	PC				25		10.9	C34	B	
4803-8	48038	**$ 362.40**	HU	15550	15	PC				15		16.2	C34	B	
4803-9	48039	**$ 362.40**	HU	15550	15	PC				15		15.0	C34	B	
4804-0	48040	**$ 392.70**	HU	15550	10	PC				10		23.1	C34	A	
4804-1	48041	**$ 392.70**	HU	15550	10	PC				10		23.1	C34	A	
4804-2	48042	**$ 392.70**	HU	15550	10	PC				10		23.1	C34	A	
4804-3	48043	**$ 392.70**	HU	15550	10	PC				10		23.1	C34	A	
4804-4	48044	**$ 392.70**	HU	15550	10	PC				10		23.1	C34	B	
4804-5	48045	**$ 392.70**	HU	15550	10	PC				10		23.1	C34	B	
4899-9	48999	**$ 258.00**	HU	15551	10	PC				10		8.7	C49	B	
5236	05236	**$2,943.20**	HU	13530	6	PC	5	1		6		45.0	E6	D	U
5502	05502	**$ 651.60**	HU	13530	1	PC	1	1	1	6		30.4	E99	D	U
5511	05511	**$ 848.60**	HU	13500	1	PC	3	1		1		185.0	E2	D	U
5534	05534	**$1,803.40**	HU	13500	1	PC	2	1	1	10		39.2	E2	D	U
5544	05544	**$ 609.80**	HU	13500	1	PC			1	10		15.3	E3	D	
5554	05554	**$ 530.40**	HU	13500	1	PC			1	10		12.1	E3	D	
5555	05555	**$ 530.40**	HU	13500	1	PC			1	10		12.1	E3	D	
5558	05558	**$1,208.40**	HU	13500	1	PC			1	10		11.8	E3	D	
5561	05561	**$1,782.10**	HU	13500	1	PC	8	1	1	10		39.2	E2	A	U
5568	05568	**$1,208.40**	HU	13500	1	PC			1	10		11.8	E3	D	
5574	05574	**$ 190.90**	HU	13500	1	PC			1	10		9.3	E2	D	
5599	05599	**$1,782.10**	HU	13500	1	PC	1	1	1	10		39.2	E2	A	U
6205	06205	**$ 944.10**	HU	13530	30	PC	0	1	30	120		8.4	E10	C	U
6206	06206	**$ 891.10**	HU	13530	30	PC	7	1	30	120		12.6	E10	C	U
6208	06208	**$ 859.20**	HU	13530	20	PC	1	1	20	100		17.3	E10	C	U
6209	06029	**$ 413.70**	HU	13530	50	PC	8	1	50	200		5.6	E10	C	U
6220	06220	**$4,039.90**	HU	13530	4	PC	3	1		4		225.0	E6	A	U
6223	06223	**$2,694.40**	HU	13530	4	PC	4	1		4		200.5	E7	B	U
6224	06224	**$4,191.30**	HU	13530	4	PC	1	1		4		287.8	E7	A	U
6225	06225	**$ 647.10**	HU	13530	25	PC	8	1	25	100		8.4	E10	C	U
6226	06226	**$ 859.20**	HU	13530	25	PC	5	1	25	100		8.4	E10	C	U
6227	06227	**$ 827.40**	HU	13530	5	PC	2	1		5		8.8	E10	C	U
6228	06228	**$1,463.90**	HU	13530	15	PC	9	1	15	60		8.4	E10	C	U
6230	06230	**$3,649.20**	HU	13530	10	PC	2	1		10		46.0	E4	C	U
6233	06233	**$ 944.10**	HU	13530	15	PC	3	1		15		6.0	E4	A	U
6235	06235	**$4,168.10**	HU	13530	10	PC	7	1		10		80.0	E2, E4	A	U
6236	06236	**$4,561.40**	HU	13530	4	PC	4	1		4		123.4	E6	C	U
6237	06237	**$1,591.20**	HU	13530	10	PC	1	1		10		137.7	E10	C	U
6238	06238	**$1,188.10**	HU	13530	4	PC	8	1		4		120.5	E10	C	U
6249	06249	**$3,246.10**	HU	13530	10	PC	4	1	10	40		103.0	E2, E4	A	U
6250	06250	**$4,179.60**	HU	13530	10	PC	0	1	10	40		104.0	E8	A	U
6255	06255	**$3,140.00**	HU	13530	4	PC	5	1		4		246.0	E5	A	U
6256	06256	**$4,232.60**	HU	13530	4	PC	2	1		4		347.0	E8	A	U
6257	06257	**$2,683.80**	HU	13530	4	PC	9	1		4		229.0	E5	A	U
6258	06258	**$3,384.00**	HU	13530	4	PC	6	1		4		306.0	E8	A	U
6261	06261	**$3,235.40**	HU	13530	4	PC	6	1		4		399.0	E5	A	U
6262	06262	**$4,805.40**	HU	13530	4	PC	3	1		4		428.0	E8	A	U
6263	06263	**$3,490.00**	HU	13530	4	PC	0	1		4		367.0	E5	A	U
6264	06264	**$4,476.60**	HU	13530	4	PC	7	1		4		390.0	E8	A	U
6269	06269	**$6,157.60**	HU	13530	4	PC	2	1		4		735.0	E9	B	U
6275	06275	**$11,753.70**	HU	13530	4	PC	3	1		4		1,011.0	E9	B	U
6279	06279	**$7,277.10**	HU	13530	1	PC	1	1	1	10		78.4	E2	A	U

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Distributor Net Cost

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6284	06284	**$2,386.80**	HU	13530	10	PC	5	1	10	40		104.0	E2, E4	A	U
6285	06285	**$2,418.60**	HU	13530	10	PC	2	1	10	40		106.0	E2, E4	A	U
6287	06287	**$2,089.80**	HU	13530	10	PC	6	1	10	40		106.0	E2, E4	A	U
6288	06288	**$2,418.60**	HU	13530	10	PC	3	1	10	40		104.0	E8	A	U
6289	06289	**$2,301.90**	HU	13530	10	PC	0	1	10	40		106.0	E8	B	U
6291	06291	**$2,248.90**	HU	13530	10	PC	3	1	10	40		106.0	E8	B	U
6292	06292	**$4,232.60**	HU	13530	20	PC	0	1		20		105.0	E9	B	U
6293	06293	**$6,184.50**	HU	13530	10	PC	7	1		10		151.0	E9	B	U
6294	06294	**$8,815.30**	HU	13530	10	PC	4	1		10		183.0	E9	B	U
6295	06295	**$ 912.30**	HU	13530	10	PC	1	1	10	40		12.0	E9	B	U
6296	06296	**$1,124.50**	HU	13530	10	PC	8	1		10		12.0	E9	B	U
6297	06297	**$1,421.50**	HU	13530	15	PC	5	1		15		16.0	E9	B	U
6298	06298	**$ 551.60**	HU	13530	15	PC	2	1	15	60		20.7	E2	C	U
6300	06300	**$2,599.00**	HU	13530	4	PC	2	1		4		62.0	E11	B	U
6301	06301	**$2,715.70**	HU	13530	4	PC	9	1		4		64.0	E11	B	U
6310	06310	**$ 933.50**	HU	13530	25	PC	1	1		25		8.0	E11	B	U
6311	06311	**$ 965.30**	HU	13530	25	PC	8	1		25		8.0	E11	B	U
6312	06312	**$ 933.50**	HU	13530	25	PC	5	1		25		8.0	E11	B	U
6313	06313	**$ 933.50**	HU	13530	25	PC	2	1		25		8.0	E11	B	U
6314	06314	**$ 933.50**	HU	13530	25	PC	9	1		25		8.0	E11	B	U
6315	06315	**$1,007.80**	HU	13530	25	PC	6	1		25		8.0	E11	B	U
6701	06701	**$ 48.10**	HU	15550	100	FT				100		10.0	C28	A	
6702	06702	**$ 51.40**	HU	15550	100	FT				100		12.0	C28	A	
6702-9	67029	**$ 731.40**	HU	15550	5	KT	3	1		5		83.0	C29	B	U
6703	06703	**$ 53.10**	HU	15550	100	FT				100		16.0	C28	A	
6703-9	67039	**$ 897.20**	HU	15550	5	KT	2	1		5		115.0	C29	B	U
6704	06704	**$ 92.20**	HU	15550	100	FT				100		23.0	C28	B	
6705	06705	**$ 110.40**	HU	15550	100	FT				100		30.5	C28	B	
6706	06706	**$ 173.50**	HU	15550	50	FT				50		41.0	C28	C	
6708	06708	**$ 204.80**	HU	15550	50	FT				50		57.0	C28	C	
6711	06711	**$ 65.70**	HU	15550	100	FT				100		5.7	C29	A	
6712	06712	**$ 66.90**	HU	15550	100	FT				100		7.8	C29	A	
6713	06713	**$ 89.70**	HU	15550	100	FT				100		10.3	C29	A	
6714	06714	**$ 138.90**	HU	15550	100	FT				100		14.9	C29	B	
6715	06715	**$ 166.70**	HU	15550	100	FT				100		20.2	C29	B	
6716	06716	**$ 235.20**	HU	15550	50	FT				50		22.8	C29	C	
6718	06718	**$ 324.20**	HU	15550	50	FT				50		31.6	C29	C	
7009	07009	**$ 8.60**	HU	13350	100	PC			100	1,000		1.4	D9	A	
7010	07010	**$ 13.00**	HU	13350	50	PC			50	500		2.6	D9	A	
7012-1	70121	**$ 64.60**	HU	13350	150	PC				150		2.0	D9	B	S
7013	07013	**$ 49.00**	HU	13350	200	PC				200		1.4	D9	B	S
7013-1	70131	**$ 78.40**	HU	13350	100	PC				100		3.0	D9	B	S
7013-8	70138	**$ 244.90**	HU	13350	20	BG	6	5		20		1.4	D9	B	U,S
7022	07022	**$ 32.00**	HU	13350	200	PC				200		1.6	D9	A	S
7022-8	70228	**$ 172.90**	HU	13350	20	BG	4	5		20		1.6	D9	A	U,S
7023	07023	**$ 37.40**	HU	13350	200	PC				200		2.1	D9	B	S
7023-8	70238	**$ 186.80**	HU	13350	20	BG	3	5		20		1.6	D9	A	U,S
7042	07042	**$ 29.10**	HU	13350	200	PC				200		1.1	D9	A	S
7042-8	70428	**$ 145.40**	HU	13350	20	BG	8	5		20		1.1	D9	A	U,S
7050	07050	**$ 114.30**	HU	13350	50	PC	5	1		50		21.2	D8	A	U
7051	07051	**$ 223.40**	HU	13350	25	PC	2	1		25		39.7	D9	B	U
7052	07052	**$ 116.90**	HU	13350	50	PC	9	1		50		16.7	D9	B	U
7053	07053	**$ 106.80**	HU	13350	50	PC	6	1		50		21.5	D8	A	U
7054	07054	**$ 122.70**	HU	13350	50	PC	3	1		50		25.1	D8	B	U
7055	07055	**$ 110.90**	HU	13350	50	PC		1		50		25.1	D99	B	S
7070	07070	**$ 39.50**	HU	13350	50	PC	3	1		50		7.4	D4, D8	A	U
7071	07071	**$ 57.10**	HU	13350	50	PC	0	1		50		8.1	D4, D8	B	U
7075	07075	**$ 52.20**	HU	13350	50	PC	8	1		50		6.2	D4, D8	A	U
7076	07076	**$ 57.80**	HU	13350	50	PC	5	1		50		7.1	D4, D8	B	U
7080	07080	**$ 49.10**	HU	13350	50	PC	2	1		50		7.3	D4, D8	B	U
7081	07081	**$ 49.10**	HU	13350	50	PC	9	1		50		4.2	D4, D8	B	U
7090	07090	**$ 44.90**	HU	13350	50	PC	1	1		50		3.3	D8	B	U
7119	07119	**$ 171.70**	HU	13300	50	PC	9	1		50		20.4	D5	B	U
7120	07120	**$ 473.90**	HU	13300	20	BG	5	1		20		25.8	D5	A	U
7122	07122	**$ 267.00**	HU	13300	50	PC	9	1		50		26.0	D2	A	U

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Distributor Net Cost

CATALOG NUMBER	UPC Product Code 050169	Distributor Net Cost/HU	Price UM	Product Type	Min. Qty.	Qty. UM	UPC Check Digit	UPC-A or 0	—Packaging Level Indicator— 3	5	7	Weight Per Hu.	Catalog R-198 Page No.	ABC Code	Symbol
7220	07220	$ 116.50	HU	13300	20	PC	2	1		20		30.0	D4	A	U
7232	07232	$ 155.90	HU	13300	20	PC	5	1		20		40.0	D4	A	U
7302	07302	$ 65.80	HU	13300	100	PC	5	1		100		22.3	D2	A	U
7302-1	73021	$ 65.80	HU	13300	245	PC	8	1		245		22.3	D99	A	U
7302-9	73029	$6,578.50	HU	13300	1	PC	4	100		1		2,230.0	D99	A	U
7307	07307	$ 223.70	HU	13300	25	PC	0	1		25		54.9	D5	A	U
7308	07308	$ 85.20	HU	13300	25	PC	7	1		25		100.0	D99	A	N
7318	07318	$ 85.20	HU	13300	25	PC	6	1		25		100.0	D99	A	N
7320	07320	$ 168.80	HU	13300	50	PC				50		20.0	D6	A	
7321	07321	$ 15.40	HU	13300	1,000	PC				1,000		0.3	D6	A	
7325VB	07325	$ 201.40	HU	13300	100	PC	4			100		25.6	D99	C	U,N
7488	07488	$ 263.20	HU	13300	25	PC	6	1		25		16.5	D2	A	U
7645	07645	$ 456.80	HU	13300	10	PC	3	1		10		61.2	D3	B	U
7700	07700	$ 61.80	HU	13300	20	PC	9	1		20		3.5	D3	C	U
7717	07717	$ 71.30	HU	13300	100	PC	7	1		100		25.6	D2	B	U
7820	07820	$ 78.60	HU	13300	100	PC	4	1		100		25.4	D2	A	U
7820-1	78201	$ 78.60	HU	13300	210	PC	9	1		210		25.4	D99	A	U
7823	07823	$ 146.70	HU	13300	50	PC	5	1		50		24.2	D5	B	U
7824	07824	$ 133.50	HU	13300	50	PC	2	1		50		21.4	D5	B	U
7825	07825	$ 270.00	HU	13300	25	PC	9	1		25		64.3	D5	B	U
7826	07826	$ 224.80	HU	13300	25	PC	6	1		25		61.7	D5	B	U
7832VB	07832	$ 261.30	HU	13300	50	PC	7			50		64.3	D99	C	U,N
7834	07834	$ 160.30	HU	13300	20	PC	1	1		20		33.3	D3	B	U
7835	07835	$ 178.70	HU	13300	20	PC	8	1		20		38.0	D3	A	U
7840VB	07840	$ 291.30	HU	13300	50	PC	2			50		33.4	D99	C	U,N
7846	07846	$ 298.80	HU	13300	10	PC	4	1		10		38.3	D3	B	U
7881	07881	$ 79.40	HU	13300	50	PC	5	1		50		19.1	D2	B	U
7883	07883	$ 92.00	HU	13300	50	PC	9	1		50		20.3	D2	B	U
7887	07887	$ 151.20	HU	13300	50	PC	7	1		50		15.1	D2	A	U
7887-1	78871	$ 151.20	HU	13300	200	PC	4	1		200		15.1	D99	A	U
7907	07907	$ 266.10	HU	13300	25	PC	2	1		25		54.9	D5	B	U
7919	07919	$ 179.80	HU	13300	50	PC	5	1		50		20.4	D5	B	U
7922	07922	$ 298.40	HU	13300	50	PC	5	1		50		26.0	D99	A	U
7940	07940	$ 57.80	HU	13300	25	PC	9			25		10.0	D99	C	U,N
7941	07941	$ 62.10	HU	13300	25	PC	6			25		10.0	D99	C	U,N
7942	07942	$ 68.50	HU	13300	25	PC	3			25		10.0	D99	C	U,N
7943	07943	$ 67.50	HU	13300	25	PC	0			25		10.0	D99	D	U,N
8112-0	81120	$ 209.00	HU	13110	10	PC				10		46.8	A99	B	
8125	00125	$ 117.00	HU	13110	50	PC	7	1		50		50.1	A11	B	U
8125-9	81259	$1,545.90	HU	13110	1	PC	4	20		1		1,020.0	A99	B	U
8127	00127	$ 127.40	HU	13110	50	PC	1	1		50		51.1	A11	B	U
8128	00128	$ 153.50	HU	13110	25	PC	8	1		25		40.0	A12	B	U
8146	00146	$ 164.00	HU	13110	50	PC	2	1		50		55.2	A12	A	U
8160	00160	$ 219.00	HU	13110	50	PC	8	1		50		67.4	A12	C	U
8160-0	81600	$ 219.00	HU	13110	10	PC				10		67.4	A99	C	S
8164	00164	$ 220.60	HU	13110	50	PC	6	1		50		65.9	A12	B	U
8189	00189	$ 146.40	HU	13130	50	PC	9	1		50		70.3	A16	A	U
8189-9	81899	$1,464.90	HU	13130	1	PC	2	20		1		1,406.0	A99	A	U
8190	00190	$ 139.80	HU	13130	50	PC	5	1		50		67.0	A16	A	U
8191	00191	$ 145.50	HU	13130	25	PC	2	1		25		67.0	A16	A	U
8192	00192	$ 146.70	HU	13130	50	PC	9	1		50		66.3	A16	A	U
8193-0	81930	$ 201.90	HU	13130	10	PC				10		80.5	A99	B	
8196	00196	$ 188.50	HU	13130	25	PC	7	1		25		81.2	A17	A	U
8196-9	81969	$2,656.70	HU	13130	1	PC	2	25		1		2,030.0	A99	A	U
8197	00197	$ 185.10	HU	13130	25	PC	4	1		25		83.3	A17	A	U
8201	00201	$ 178.00	HU	13130	25	PC	8	1		25		48.0	A17	A	U
8203	00203	$ 184.50	HU	13130	50	PC	2	1		50		45.9	A17	A	U
8208	00208	$ 211.20	HU	13130	25	PC	7	1		25		90.0	A17	B	U
8211	00211	$ 241.80	HU	13130	50	PC	7	1		50		77.1	A18	B	U
8213	00213	$ 231.70	HU	13130	50	PC	1	1		50		78.5	A99	B	U
8218	00218	$ 251.60	HU	13130	25	PC	6	1		25		87.4	A18	B	U
8220	00220	$ 248.80	HU	13130	25	PC	9	1		25		90.2	A18	B	U
8231	00231	$ 227.20	HU	13130	25	PC	5	1		25		92.0	A19	A	U
8232	00232	$ 233.70	HU	13130	25	PC	2	1		25		90.2	A19	A	U
8232-0	82320	$ 233.70	HU	13130	10	PC				10		92.0	A99	A	

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8233	00233	$ 246.60	HU	13130	25	PC	9	1		25		90.2	A19	A	U
8235	00235	$ 296.30	HU	13130	25	PC	3	1		25		102.4	A19	B	U
8240	00240	$ 378.70	HU	13130	25	PC	7	1		25		110.4	A20	B	U
8241	00241	$ 458.60	HU	13130	25	PC	4	1		25		109.0	A20	D	U
8257	00257	$ 281.90	HU	13150	25	PC	5	1		25		110.6	A23	A	U
8265	00265	$ 307.50	HU	13150	25	PC	0	1		25		112.0	A23	B	U
8292	00292	$ 129.60	HU	13110	50	PC	6	1		50		31.6	A10	A	U
8293	00293	$ 141.10	HU	13110	50	PC	3	1		50		33.6	A11	B	U
8325	00325	$ 364.20	HU	13110	25	PC	1	1		25		92.4	A14	B	U
8326	00326	$ 349.70	HU	13110	25	PC	8	1		25		90.8	A13	B	U
8355	00355	$ 185.20	HU	13170	20	PC	8	1		20		73.0	A35	B	U
8420	00420	$ 166.50	HU	13170	50	PC	3	1		50		47.6	A30	B	U
8471	00471	$ 187.60	HU	13170	50	PC	5	1		50		53.1	A31	A	U
8500	00500	$ 153.60	HU	13170	50	PC	2	1		50		55.3	A33	A	U
8504	00504	$ 222.80	HU	13170	20	PC	0	1		20		66.0	A33	C	U
8518	00518	$ 215.00	HU	13170	50	PC	7	1		50		61.7	A35	A	U
8519	00519	$ 192.40	HU	13170	50	PC	4	1		50		60.3	A34	A	U
8522	00522	$ 239.40	HU	13170	50	PC	4	1		50		70.4	A35	C	U
8523	00523	$ 278.00	HU	13170	50	PC	1	1		50		65.0	A35	A	U
8524	00524	$ 267.70	HU	13170	50	PC	8	1		50		70.6	A35	B	U
8528	00528	$ 153.30	HU	13170	50	PC	6	1		50		58.3	A34	A	U
8531	00531	$ 198.10	HU	13170	50	PC	8	1		50		68.7	A34	A	U
8560	00560	$ 176.40	HU	13170	50	PC	6	1		50		59.7	A36	A	U
8562-0	85620	$ 231.40	HU	13170	10	PC				10		70.0	A99	C	
8590	00590	$ 205.70	HU	13170	50	PC	5	1		50		72.4	A37	A	U
8601	00601	$ 273.50	HU	13170	25	PC	6	1		25		78.4	A38	A	U
8604	00604	$ 338.40	HU	13170	25	PC	7	1		25		87.8	A38	B	U
8650	00650	$ 121.80	HU	13170	50	PC	4	1		50		47.8	A26	A	U
8660	00660	$ 121.70	HU	13170	50	PC	3	1		50		48.8	A26	A	U
8660-9	86609	$1,334.90	HU	13170	1	PC	2	20		1		960.0	A99	A	U
8663	00663	$ 150.30	HU	13170	50	PC	4	1		50		47.6	A26	B	U
8670	00670	$ 141.90	HU	13170	50	PC	2	1		50		61.4	A27	A	U
8695	00695	$ 326.10	HU	13190	25	PC	5	1		25		84.2	A42	A	U
8703-5	87035	$ 52.60	HU	13180	50	PC			10	50	6,300	17.7	A99	B	
8722	00722	$ 46.10	HU	13180	100	PC	8	1		100		21.1	A15	A	U
8722-5	87225	$ 46.10	HU	13180	50	PC			10	50	6,300	21.1	A99	A	
8724	00724	$ 46.80	HU	13180	100	PC	2	1		100		21.8	A15	A	U
8724-5	87245	$ 46.80	HU	13180	50	PC			10	50	6,300	21.8	A99	A	
8727-0	87270	$ 98.30	HU	13180	10	PC				10		22.8	A99	C	
8731-5	87315	$ 116.10	HU	13180	50	PC			10	50	6,300	16.4	A99	C	
8752	00752	$ 50.00	HU	13180	50	PC	5	1		50		28.7	A21	A	U
8752-5	87525	$ 50.00	HU	13180	50	PC			10	50	6,300	28.7	A99	A	
8753	00753	$ 59.30	HU	13180	50	PC	2	1		50		29.5	A21	A	U
8753-5	87535	$ 59.30	HU	13180	50	PC			10	50	6,300	28.1	A99	A	
8756	00756	$ 90.40	HU	13180	100	PC	3	1		100		26.4	A21	B	U
8767	00767	$ 84.90	HU	13180	25	PC	9	1		25		25.9	A21	A	U
8768	00768	$ 85.90	HU	13180	50	PC	6	1		50		25.7	A21	A	U
8769	00769	$ 115.60	HU	13180	50	PC	3	1		50		20.2	A21	B	U
8771	00771	$ 76.60	HU	13180	100	PC	6	1		100		17.8	A21	B	U
8772	00772	$ 81.70	HU	13180	100	PC	3	1		100		22.3	A21	B	U
8773	00773	$ 99.10	HU	13180	50	PC	0	1		50		29.1	A21	B	U
8775	00775	$ 123.20	HU	13180	25	PC	4	1		25		38.0	A21	B	U
8777-0	87770	$ 143.90	HU	13180	10	PC	8	1		10		14.7	A99	D	U,S
8778	00778	$ 106.90	HU	13180	50	PC	5	1		50		17.7	A21	A	U
8779	00779	$ 125.90	HU	13180	50	PC	2	1		50		23.0	A21	C	U
8781	00781	$ 183.60	HU	13180	25	PC	5	1		25		33.2	A21	C	U
8787	00787	$ 91.80	HU	13180	50	PC	7	1		50		16.8	A21	C	U
8832	00832	$ 89.10	HU	13180	50	PC	4	1		50		40.3	A24	A	U
8833-5	88335	$ 136.90	HU	13180	50	PC			10	50		40.0	A99	C	
8837	00837	$ 198.20	HU	13180	25	PC	9	1		25		35.0	A99	C	U
8920	00920	$ 164.20	HU	13191	50	PC	8	1		50		37.3	A42	B	U
8973-1	00973	$ 54.30	HU	13191	50	BG	4	10		50		0.6	A45	A	U
8975-1	00975	$ 134.30	HU	13191	50	BG	8	10		50		1.0	A45	A	U
8977	00977	$ 45.30	HU	13191	100	PC	2	1		100		6.2	A44	A	U
8977-5	89775	$ 48.90	HU	13191	100	PC	1		25	100		6.2	A99	A	U

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0983-1	00983	$ 326.90	HU	13191	40	BG	3	10		40		1.7	A45	A	U
9302	09302	$ 71.60	HU	13300	1	PC	3	25		1		22.3	A99	A	U
9820	09820	$1,968.10	HU	13300	1	PC	0	25		1		2,400.0	A99	A	U
9824	09824	$ 134.20	HU	13300	1	PC	0	25		1		21.4	A99	B	U
9887	09887	$ 151.90	HU	13300	1	PC	5	25		1		20.2	A99	A	U

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Phone: (319) 373-8877
Fax: (319) 373-8844
slbenton@rbsalescorp.com

KANSAS
George Pearson Company
3520 W. 75th Street #105
Prairie Village, KS 66208
Phone: (913) 362-4442
Fax: (913) 362-3031
pearson@qni.com

KENTUCKY
A.L. Pickens Co., Inc.
2500 Data Drive
Louisville, KY 40299
Phone: (502) 491-4215
Fax: (502) 491-3040
sebooker@alpickens.com

LOUISIANA
Schell Company, Inc.
108 Teal Street
St. Rose, LA 70087
Phone: (504) 620-2000
Fax: (504) 620-5000
cschell@schellco.com

MAINE
Northeast Marketing Group
Connecticut Office

MARYLAND
Paul Bloom Associates, Inc.
4127 Amos Avenue
Baltimore, MD 21215
Phone: (410) 764-2900
Fax: (410) 764-1701
pbloom25@starpower.net

MASSACHUSETTS
Northeast Marketing
960 Turnpike St. Suite #1D
Canton, MA 02021
Phone: (781) 821-9606
Fax: (781) 821-9610
bybrewer@aol.com

MICHIGAN
Impact Electrical Sales, Inc.
3317 Old U.S. 23
Brighton, MI 48114
Phone: (810) 229-8250
Fax: (810) 229-8137
impact@tir.com

MINNESOTA
LESCO, Inc.
2907 Louisiana Ave., North
Minneapolis, MN 55427
Phone: (763) 542-8242
Fax: (763) 542-9309
lhalbur@lesco-inc.com

MISSISSIPPI
Northern Third of State:
Metro Electrical Sales
Tennessee Office

Rest of State:
Schell Company, Inc.
Louisiana Office

MISSOURI
Western Area:
George Pearson Company
Kansas Office

Rest of State:
Vector Electrical Sales
50 Portwest Court
St. Charles, MO 63303
Phone: (314) 949-5925
Fax: (314) 949-5926

MONTANA
Robert A. Amey Company
Oregon Office

NEBRASKA
R/B Sales Corp.
Iowa Office

NEW HAMPSHIRE
Northeast Marketing Group
Connecticut Office

NEW JERSEY
Trenton & South:
Current Electrical Sales, Inc.
Pennsylvania Office

Rest of State:
Thea Enterprises
380 Allwood Road
Clifton, NJ 07015
Phone: (973) 472-4720
Fax: (973) 472-5885
dzinn@theaschoen.com

NEW MEXICO
Sunbelt Electrical Sales
Colorado Office

NEW YORK
New York City & Southeast:
Thea Enterprises
New Jersey Office

Rest of State:
Haines Sales Corp.
6751 Kinne Street
E. Syracuse, NY 13057
Phone: (315) 437-7227
Fax: (315) 437-3480
eric@hainescorp.com

NORTH CAROLINA
Fox Rowden McBrayer
1133 Pressley Road
Charlotte, NC 28217
Phone: (704) 527-5110
Fax: (704) 527-5514
kmcbrayer@frminc.com

NORTH DAKOTA
LESCO, Inc.
Minnesota Office

OHIO
Riffle Associates, Inc.
2671 Cresentville Rd.
Cincinnati, OH 45241
Phone: (513) 771-0002
Fax: (513) 771-0011
riffle@riffle-assoc.com

Riffle Associates
16760 West Park Circle Drive
Chagrin Falls, OH 44023
Phone: (440) 543-8257
Fax: (440) 543-7236
kelly@riffle-assoc.com

OKLAHOMA
Electrical Products Marketing
Houston, TX Office

OREGON
Robert A. Amey Co.
14300 NW Science Park Dr.
Portland, OR 97229
Phone: (503) 646-7196
Fax: (503) 626-8569
jamey@ameyco.com

PENNSYLVANIA
Eastern:
Current Electric Sales, Inc.
3140-B. W. Tilghman Suite 130
Allentown, PA 18104
Phone: (610) 706-0160
Fax: (610) 706-0161
currelect@aol.com

Western:
GEMCO Sales, Inc.
3150 Smallman Street
Pittsburgh, PA 15201
Phone: (412) 562-9300
Fax: (412) 562-9028
gemco@sgi.net

RHODE ISLAND
Northeast Marketing Group
Connecticut Office

SOUTH CAROLINA
Fox Rowden McBrayer
Charlotte, NC Office

SOUTH DAKOTA
LESCO, Inc.
Minnesota Office

TENNESSEE
Central & Eastern:
Lasley Sales Company, Inc.
60 Industrial Park Drive, Suite 1
Hendersonville, TN 37075
Phone: (615) 822-7773
Fax: (615) 822-7780

Western:
Metro Electrical Sales
4765 Aloha Avenue
Memphis, TN 38118
Phone: (901) 794-0391
Fax: (901) 794-4486

TEXAS
Electrical Products Marketing
600 Kenrick Suite E16
Houston, TX 77060
Phone: (281) 999-4900
Fax: (281) 999-1166
epm@wp.net

Electrical Products Marketing
6425 Campus Circle Drive West
Irving, TX 75063
Phone: (888) 957-4100
Fax: (281) 999-1166

UTAH
Stevens Sales Company
268 West 1530 South
Salt Lake City, UT 84115
Phone: (801) 487-8971
Fax: (801) 487-5213
philip@ssco.net

VERMONT
Northeast Marketing Group
Connecticut Office

VIRGINIA
D.C. Area:
Paul Bloom Associates, Inc.
Maryland Office

Rest of State:
Fox Rowden McBrayer
Charlotte, NC Office

WASHINGTON
Hoyt-Northwest
1145 Andover Park West #C
Seattle, WA 98188
Phone: (206) 575-1818
Fax: (206) 575-8091
tgoodman@hoytnwwa.com

WASHINGTON DC
Paul Bloom Associates, Inc.
4127 Amos Avenue
Baltimore, MD 21215
Phone: (410) 764-2900
Fax: (410) 764-1701
pbloom25@starpower.net

WEST VIRGINIA
GEMCO Sales, Inc.
Pittsburgh, PA Office

WISCONSIN
Western Third of State:
LESCO, Inc.
Minnesota Office

Rest of State:
Lawless Electric Sales
West 135 North
8011 Eagle Court
Menomonee Falls, WI 53051
Phone: (414) 916-9005
Fax: (414) 916-9072
lsiteam@email.msn.com

WYOMING
Northern Third of State:
Robert A. Amey Company
Oregon Office

Rock Springs & Evanston Areas:
Stevens Sales Company
Utah Office

Rest of State:
Sunbelt Electric Sales
Colorado Office

PUERTO RICO
Glenn International
Julio N Matos Street, Bldg. 12
P.O. Box 3500
Carolina, PR 00984-3500
Phone: (787) 757-6000
Fax: (787) 769-1851

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SUGGESTED USER PRICE LIST
Prices Effective April 15, 1997

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210 E. BUCKINGHAM, GARLAND, TEXAS 75040
(972) 272-9502 1-800-657-6100
TOLL FREE FAX 1-800-677-JBOX(5269)

Unity MANUFACTURING

Unity Manufacturing has been manufacturing quality electrical enclosures for over 30 years. In 1992 we moved into our newly remodeled 122,000 sq. ft. facility in Garland, Texas. Our total dedication to the continuous improvement of our product and our service has enabled us to be a leader in our industry. In addition to our standard product line, we manufacture a wide variety of special application enclosures. Our sales and engineering team look forward to serving your enclosure needs.

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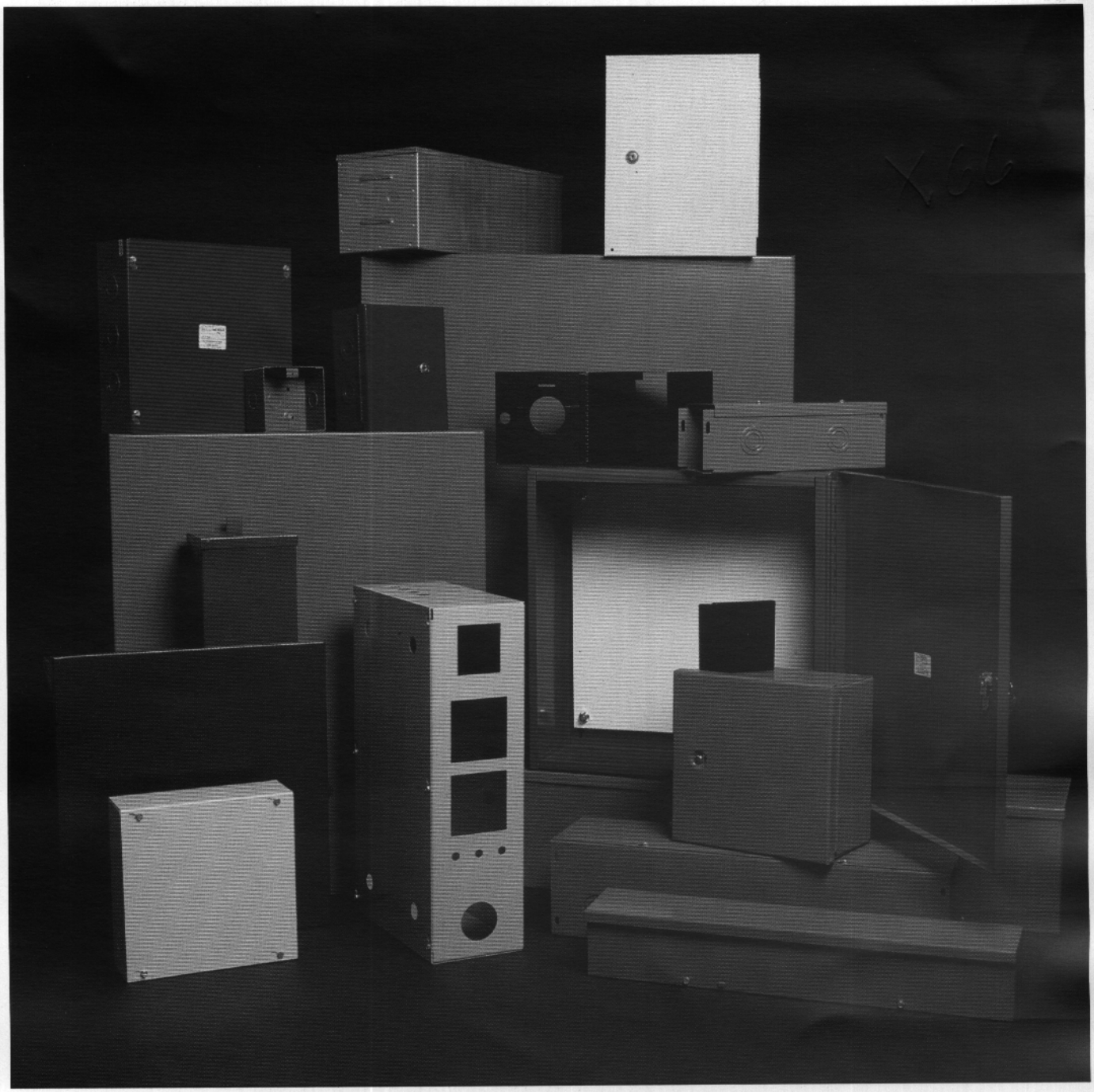

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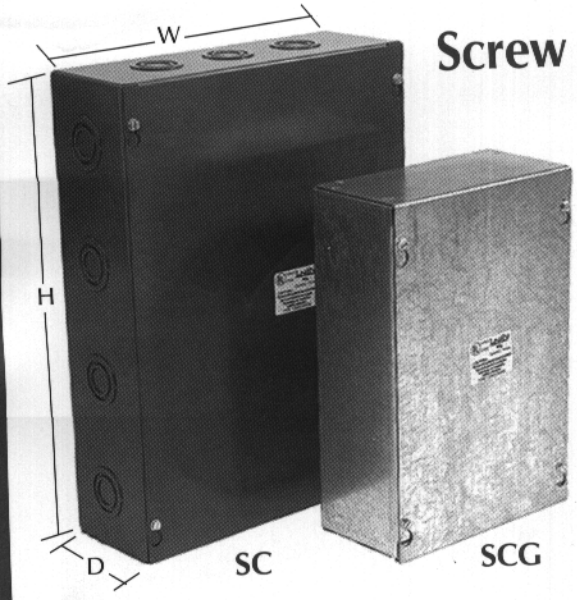
Unity MANUFACTURING

Screw Cover Type 1 Junction and Pull Boxes



UL LISTED

CSA

Application

- Designed for use as junction and pull boxes

Construction

- Formed from code gauge, low carbon steel
- Concentric knockouts four sides in box sizes noted*
- Keyhole slotted cover allows plated screws to stay in place
- Complies with UL 50
- Complies with CSA Type 1, specify CSA label when ordering
- Powder coated available without knockouts - to order use SCNK

Finish

- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - to order use SCG, standard without knockouts

Specials

- Custom sizes and modifications available

Popular sizes in stock

When ordering always specify width, height and depth

Add 5% to quantities ordered less then standard cartons

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
*444SC	1515 22010	4x4x4	6	1	**6.88**
*464SC	1515 22030	4x6x4	4	2	**7.55**
*664SC	1515 22130	6x6x4	12	3	**7.77**
*684SC	1515 22160	6x8x4	8	3	**9.44**
*6124SC	1515 22166	6x12x4	2	5	**13.33**
*884SC	1515 22280	8x8x4	12	4	**11.11**
*8104SC	1515 22320	8x10x4	6	5	**12.77**
*8124SC	1515 22360	8x12x4	4	6	**14.44**
*10104SC	1515 22430	10x10x4	6	6	**14.44**
*10124SC	1515 22480	10x12x4	2	7	**16.66**
*12124SC	1515 22580	12x12x4	6	8	**18.33**
*12164SC	1515 22660	12x16x4	2	10	**26.66**
*12184SC	1515 22700	12x18x4	2	11	**28.88**
16164SC	1515 22940	16x16x4	1	12	**32.77**
18184SC	1515 23020	18x18x4	2	16	**37.77**
18244SC	1515 23090	18x24x4	1	21	**71.11**
24244SC	1515 23290	24x24x4	1	27	**88.88**
*666SC	1515 22140	6x6x6	6	3	**10.00**
*686SC	1515 22170	6x8x6	6	4	**12.77**
*6126SC	1515 22180	6x12x6	4	6	**17.73**
*886SC	1515 22290	8x8x6	4	5	**14.66**
*8106SC	1515 22330	8x10x6	4	6	**15.55**
*8126SC	1515 22370	8x12x6	2	7	**19.44**
*10106SC	1515 22440	10x10x6	4	7	**19.44**
*10126SC	1515 22490	10x12x6	2	8	**21.11**
*12126SC	1515 22590	12x12x6	4	10	**23.33**
*12166SC	1515 22670	12x16x6	1	12	**32.22**
*12186SC	1515 22710	12x18x6	2	14	**32.22**
*12246SC	1515 22760	12x24x6	1	17	**45.55**
16186SC	1515 22900	16x18x6	1	16	**43.33**
16166SC	1515 22950	16x16x6	1	14	**34.66**
18186SC	1515 23030	18x18x6	2	19	**42.22**
18246SC	1515 23100	18x24x6	2	24	**77.77**
24246SC	1515 23300	24x24x6	2	30	**93.33**

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
30306SC	1515 23420	30x30x6	1	50	**166.66**
30366SC	1515 23430	30x36x6	1	55	**200.00**
36366SC	1515 23440	36x36x6	1	60	**222.22**
888SC	1515 22300	8x8x8	2	6	**18.88**
12128SC	1515 22600	12x12x8	2	11	**31.11**
12188SC	1515 22720	12x18x8	1	20	**44.44**
18188SC	1515 23040	18x18x8	2	20	**55.55**
18248SC	1515 23110	18x24x8	1	27	**87.77**
24248SC	1515 23310	24x24x8	1	34	**106.66**
24308SC	1515 23460	24x30x8	1	44	**133.33**
24368SC	1515 23470	24x36x8	1	51	**157.77**
30308SC	1515 23480	30x30x8	1	51	**177.77**
30368SC	1515 23490	30x36x8	1	61	**222.22**
36368SC	1515 23500	36x36x8	1	78	**255.55**
121210SC	1515 22610	12x12x10	1	13	**35.55**
121810SC	1515 22611	12x18x10	1	18	**46.66**
181810SC	1515 23050	18x18x10	1	23	**62.22**
182410SC	1515 23119	18x24x10	1	30	**100.00**
242410SC	1515 23320	24x24x10	1	38	**124.44**
243010SC	1515 23510	24x30x10	1	46	**160.00**
243610SC	1515 23520	24x36x10	1	55	**204.44**
303010SC	1515 23530	30x30x10	1	60	**208.88**
303610SC	1515 23540	30x36x10	1	70	**231.11**
363610SC	1515 23550	36x36x10	1	80	**260.00**
121212SC	1515 22620	12x12x12	1	15	**42.22**
181812SC	1515 23060	18x18x12	1	25	**73.33**
182412SC	1515 23120	18x24x12	1	35	**111.11**
242412SC	1515 23330	24x24x12	1	44	**133.33**
243012SC	1515 23560	24x30x12	1	51	**173.33**
243612SC	1515 23570	24x36x12	1	65	**214.00**
303012SC	1515 23580	30x30x12	1	65	**233.00**
303612SC	1515 23590	30x36x12	1	80	**244.44**
363612SC	1515 23600	36x36x12	1	87	**277.77**

***with knockouts**

Prices subject to change without notice

Nity MANUFACTURING

P.O. Box 462321, GARLAND, TEXAS 75046
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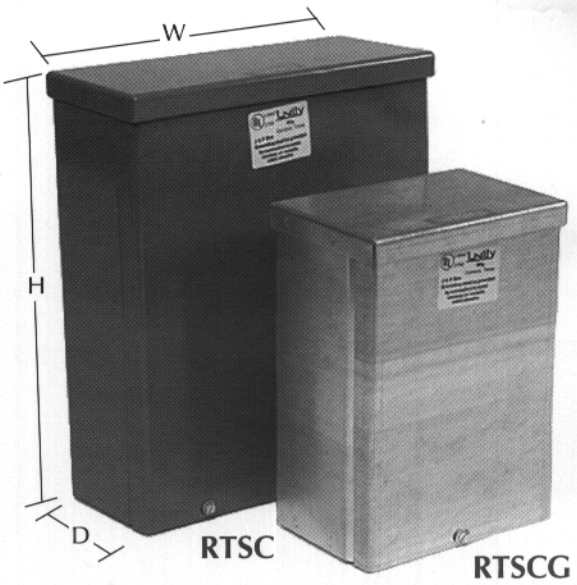
Screw Cover Type 3R Enclosures



Application

- Designed for use as wiring and junction boxes

Construction

- Formed from code gauge, low carbon steel
- Drip shield top, seam free sides
- Gasket free slip on cover
- Concentric knockouts in bottom of box sizes noted*
- Complies with UL 50 Type 3R
- Complies with CSA Type 3R (specify label when ordering)

Finish

- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - to order use RTSCG, standard without knockouts
- Powder coated available without knockouts - to order us RTSCNK

Specials

- Custom sizes and modifications available

Popular sizes in stock

When ordering always specify width, height and depth

Add 5% to quantities ordered less then standard cartons

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
*444RTSC	1515 34010	4x4x4	6	1	**10.55**
*464RTSC	1515 34020	4x6x4	4	2	**12.22**
*664RTSC	1515 34050	6x6x4	8	3	**12.88**
*684RTSC	1515 34100	6x8x4	6	3	**14.44**
*6124RTSC	1515 34150	6x12x4	4	5	**21.33**
*884RTSC	1515 34170	8x8x4	8	4	**16.00**
*8104RTSC	1515 34220	8x10x4	6	5	**18.89**
*8124RTSC	1515 34260	8x12x4	4	6	**24.00**
*10104RTSC	1515 34280	10x10x4	6	6	**24.00**
*10124RTSC	1515 34320	10x12x4	4	7	**26.67**
*12124RTSC	1515 34380	12x12x4	6	8	**28.33**
*12164RTSC	1515 34460	12x16x4	1	10	**40.00**
*12184RTSC	1515 34500	12x18x4	1	11	**45.33**
16164RTSC	1515 34550	16x16x4	1	12	**51.11**
18184RTSC	1515 34650	18x18x4	1	16	**55.56**
*666RTSC	1515 34070	6x6x6	6	3	**16.67**
*686RTSC	1515 34120	6x8x6	4	4	**17.22**
*6126RTSC	1515 34160	6x12x6	4	6	**26.67**
*886RTSC	1515 34200	8x8x6	4	5	**22.22**
*8106RTSC	1515 34250	8x10x6	4	6	**25.56**
*8126RTSC	1515 34270	8x12x6	4	7	**27.77**
*10106RTSC	1515 34300	10x10x6	2	7	**27.77**
*10126RTSC	1515 34340	10x12x6	2	8	**32.22**
*12126RTSC	1515 34390	12x12x6	4	10	**35.56**
*12166RTSC	1515 34470	12x16x6	1	12	**42.22**
*12186RTSC	1515 34510	12x18x6	2	14	**46.67**
*12246RTSC	1515 34560	12x24x6	2	17	**66.67**
16166RTSC	1515 34600	16x16x6	1	14	**55.56**
18186RTSC	1515 34660	18x18x6	2	19	**65.56**
18246RTSC	1515 34720	18x24x6	1	24	**95.56**
24246RTSC	1515 34790	24x24x6	2	30	**122.22**

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
888RTSC	1515 34210	8X8X8	1	6	**30.00**
12128RTSC	1515 34410	12X12X8	1	11	**42.22**
12188RTSC	1515 34520	12X18X8	1	16	**53.33**
18188RTSC	1515 34680	18X18X8	1	20	**75.56**
18248RTSC	1515 34740	18X24X8	1	27	**111.11**
24248RTSC	1515 34800	24X24X8	1	34	**133.33**
24308RTSC	1515 35000	24X30X8	1	42	**166.67**
24368RTSC	1515 35010	24X36X8	1	51	**233.33**
30308RTSC	1515 35020	30X30X8	1	51	**233.33**
30368RTSC	1515 35030	30X36X8	1	61	**300.00**
36368RTSC	1515 35040	36X36X8	1	73	**311.11**
121210RTSC	1515 34420	12X12X10	1	15	**51.11**
121810RTSC	1515 34421	12X18X10	1	18	**62.22**
181810RTSC	1515 34685	18X18X10	1	23	**75.56**
182410RTSC	1515 34750	18X24X10	1	30	**126.67**
242410RTSC	1515 34810	24X24X10	1	37	**160.00**
243010RTSC	1515 35050	24X30X10	1	46	**244.44**
243610RTSC	1515 35060	24X36X10	1	55	**288.89**
303010RTSC	1515 35070	30X30X10	1	55	**288.89**
303610RTSC	1515 35080	30X36X10	1	70	**306.67**
363610RTSC	1515 35090	36X36X10	1	79	**322.44**
121812RTSC	1515 35092	12X18X12	1	20	**84.44**
181812RTSC	1515 34690	18X18X12	1	25	**102.22**
182412RTSC	1515 34760	18X24X12	1	33	**128.88**
242412RTSC	1515 34820	24X24X12	1	41	**166.67**
243012RTSC	1515 35100	24X30X12	1	51	**266.67**
243612RTSC	1515 35110	24X36X12	1	61	**277.78**
303012RTSC	1515 35120	30X30X12	1	61	**300.00**
303612RTSC	1515 35130	30X36X12	1	73	**311.11**
363612RTSC	1515 35140	36X36X12	1	87	**346.67**

***with knockouts**

Prices subject to change without notice

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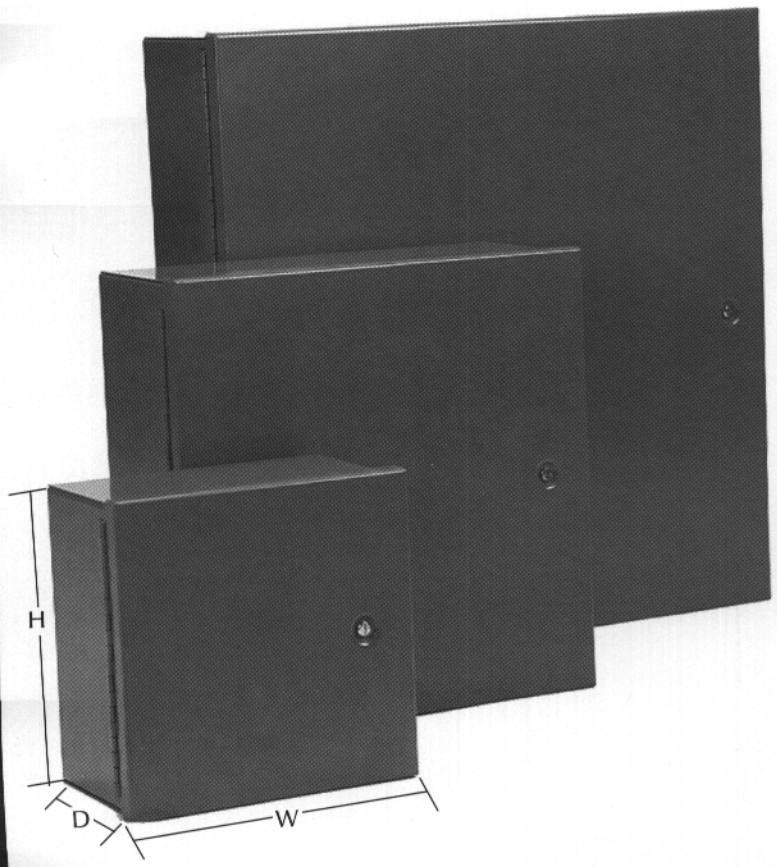
Unity MANUFACTURING

Type 1 Panel Enclosures



Application

- Designed to enclose electrical and electronic controls, components and instruments which do not require a dust, oil or water tight environment.

Construction

- Small, medium and large panel enclosures formed from code gauge low carbon steel
- Heavy gauge white back panel included
- Mounting holes provided
- Hinged
- Coin latch standard (other options available - see hardware section on page 15)
- Complies with UL 50
- Complies with CSA Type 1 (specify label when ordering)

Finish

- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available

Specials

- Custom sizes and modifications available

Other sizes available - consult factory

When ordering always specify width, height and depth

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Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
PE884	1515 36010	8x8x4	1	5	**36.00**
PE10124	1515 36020	10x12x4	1	7	**48.00**
PE12124	1515 36030	12x12x4	1	8	**52.00**
PE10106	1515 36040	10x10x6	1	8	**48.00**
PE10126	1515 36050	10x12x6	1	9	**53.33**
PE12126	1515 36060	12x12x6	1	10	**57.33**
PE12166	1515 36070	12x16x6	1	12	**73.33**
PE12166625	1515 36080	12x16x6 5/8	1	14	**101.33**
PE16166625	1515 36090	16x16x6 5/8	1	16	**112.00**
PE16206625	1515 36095	16x20x6 5/8	1	20	**130.67**

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
PE20246625	1515 36100	20x24x6 5/8	1	26	**160.00**
PE24246625	1515 36110	24x24x6 5/8	1	30	**178.67**
PE24306625	1515 36120	24x30x6 5/8	1	38	**213.33**
PE24366625	1515 36130	24x36x6 5/8	1	45	**233.33**
PE16208625	1515 36140	16x20x8 5/8	1	27	**138.67**
PE20248625	1515 36150	20x24x8 5/8	1	34	**176.00**
PE24248625	1515 36160	24x24x8 5/8	1	40	**197.33**
PE24368625	1515 36170	24x36x8 5/8	1	54	**260.00**
PE30308625	1515 36180	30x30x8 5/8	1	54	**266.67**
PE30368625	1515 36190	30x36x8 5/8	1	61	**293.33**

Prices subject to change without notice

Unity MANUFACTURING

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(972) 272-9502 1-800-657-6100
TOLL FREE FAX 1-800-677-JBOX(5269)

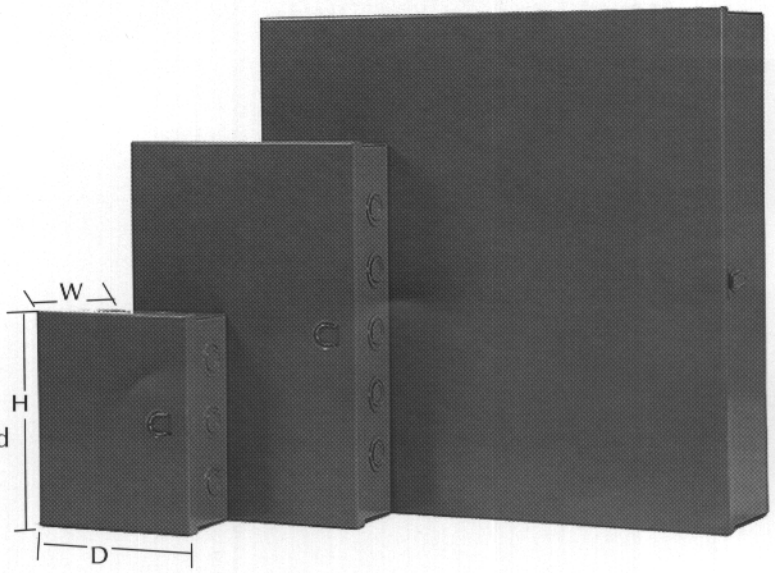
Hinged Cover Cut-Out Boxes

Application

- Designed for use as surface mounted junction, service, switch and cut out boxes.

Construction

- Small, medium and large hinged cover boxes are formed from code gauge low carbon steel
- Concentric knockouts in four sides as noted*
- Mounting holes provided
- Hinged
- Recessed plated pull ring standard to 18"x18", large pull down hasp standard on boxes larger than 18"x18" (other options available - see hardware section on page 15)
- Complies with UL 50 cut out box
- Complies with CSA Type 1 (specify label when ordering)



Finish

- Grey polyester powder thermoset over phosphatized surface
- Optional powder coated colors available
- Mill galvanized available - to order use HCG
- Powder coated available without knockouts - use HCNK

Specials

- Custom sizes and modifications available

Other sizes available - consult factory

Popular sizes in stock

When ordering always specify width, height and depth

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
*664HC	1515 32065	6x6x4	1	3	**9.44**
*684HC	1515 32075	6x8x4	1	3	**10.56**
*6124HC	1515 32085	6x12x4	1	5	**14.44**
*884HC	1515 32145	8x8x4	1	4	**12.78**
*8104HC	1515 32150	8x10x4	1	5	**14.44**
*8124HC	1515 32165	8x12x4	1	6	**16.67**
*10104HC	1515 32235	10x10x4	1	6	**17.78**
*10124HC	1515 32265	10x12x4	1	8	**20.00**
*12124HC	1515 32300	12x12x4	1	8	**21.11**
*12184HC	1515 32345	12x18x4	1	11	**31.11**
18184HC	1515 32355	18x18x4	1	16	**44.44**

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
18244HC	1515 32360	18x24x4	1	21	**68.89**
24244HC	1515 32370	24x24x4	1	25	**97.78**
*666HC	1515 32080	6x6x6	1	3	**12.22**
*886HC	1515 32160	8x8x6	1	4	**15.55**
*10106HC	1515 32170	10x10x6	1	7	**21.11**
*10126HC	1515 32268	10x12x6	1	8	**26.67**
*12126HC	1515 32305	12x12x6	1	10	**26.67**
*12186HC	1515 32350	12x18x6	1	14	**35.56**
18186HC	1515 32400	18x18x6	1	19	**46.67**
18246HC	1515 32410	18x24x6	1	24	**80.00**
24246HC	1515 32420	24x24x6	1	30	**100.00**

***with knockouts**

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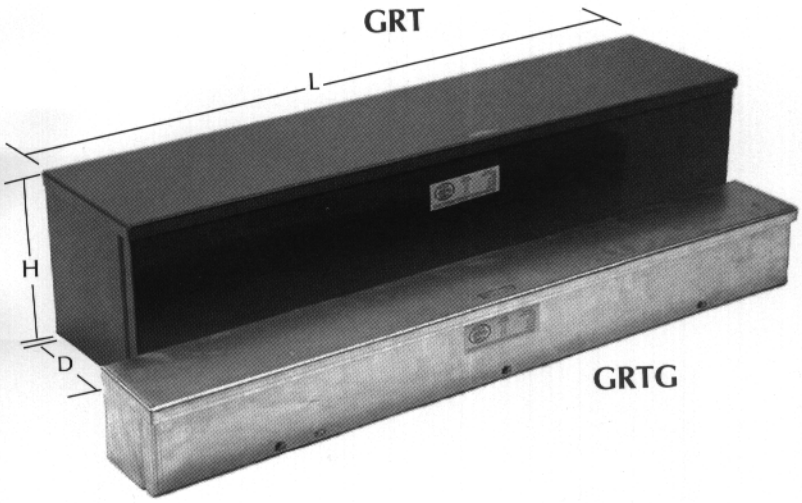
Type 3R Wiring Trough



UL LISTED

CSA

Application
- Designed to protect wiring indoors from dripping water or outdoors from rain, sleet and snow.

Construction
- Code gauge low carbon steel
- Drip shield top, seam free sides
- Accumulation free bottom
- Gasket free slip on cover
- Embossed mounting holes provided
- No knockouts
- Complies with UL 870 Type 3R
- Complies with CSA Type 3R (specify CSA label when ordering)

Finish
- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - to order use GRTG

Specials
- Custom sizes and modifications available

Popular sizes in stock

When ordering always specify depth, height and length

Catalog #	NAED#	Size D"xH"xL"	STD CTN	Weight	User Price
4412GRT	1515 14060	4x4x12	1	4	**19.44**
4418GRT	1515 14063	4x4x18	1	5	**32.22**
4424GRT	1515 14070	4x4x24	1	7	**31.11**
4436GRT	1515 14077	4x4x36	1	10	**43.33**
4448GRT	1515 14084	4x4x48	1	14	**55.55**
4460GRT	1515 14091	4x4x60	1	17	**66.66**
4472GRT	1515 14098	4x4x72	1	21	**84.44**
4496GRT	1515 14099	4x4x96	1	33	**111.11**
44120GRT	1515 14100	4x4x120	1	40	**137.77**
6612GRT	1515 14181	6x6x12	1	6	**33.33**
6618GRT	1515 14183	6x6x18	1	8	**43.33**
6624GRT	1515 14190	6x6x24	1	11	**46.66**
6636GRT	1515 14197	6x6x36	1	16	**64.44**
6648GRT	1515 14204	6x6x48	1	21	**82.22**
6660GRT	1515 14211	6x6x60	1	26	**97.77**
6672GRT	1515 14218	6x6x72	1	32	**113.33**
6696GRT	1515 14220	6x6x96	1	45	**153.33**
66120GRT	1515 14222	6x6x120	1	53	**191.11**
8812GRT	1515 14295	8x8x12	1	9	**46.66**
8818GRT	1515 14297	8x8x18	1	12	**58.66**
8824GRT	1515 14309	8x8x24	1	15	**72.00**
8836GRT	1515 14314	8x8x36	1	22	**93.33**
8848GRT	1515 14321	8x8x48	1	28	**120.00**
8860GRT	1515 14328	8x8x60	1	35	**146.66**
8872GRT	1515 14335	8x8x72	1	42	**168.88**
8896GRT	1515 14340	8x8x96	1	50	**222.22**
88120GRT	1515 14350	8x8x120	1	60	**326.66**
101012GRT	1515 14351	10x10x12	1	12	**43.33**
101024GRT	1515 14424	10x10x24	1	20	**102.22**
101036GRT	1515 14426	10x10x36	1	28	**126.66**
101048GRT	1515 14433	10x10x48	1	37	**173.33**
101060GRT	1515 14440	10x10x60	1	45	**217.77**
101072GRT	1515 14447	10x10x72	1	60	**248.88**
101096GRT	1515 14449	10x10x96	1	85	**311.11**
1010120GRT	1515 14450	10x10x120	1	100	**415.55**
121212GRT	1515 14451	12x12x12	1	155	**84.44**
121224GRT	1515 14473	12x12x24	1	25	**122.22**
121236GRT	1515 14475	12x12x36	1	35	**186.66**
121248GRT	1515 14482	12x12x48	1	45	**213.33**
121260GRT	1515 14489	12x12x60	1	60	**306.66**
121272GRT	1515 14496	12x12x72	1	70	**326.66**
121296GRT	1515 14498	12x12x96	1	85	**400.00**
1212120GRT	1515 14499	12x12x120	1	110	**440.00**

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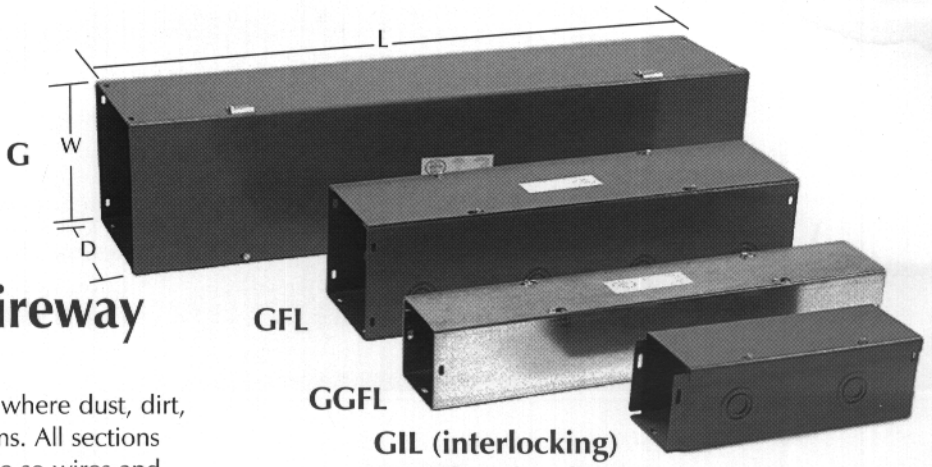

Type 1 Lay-In Wireway

GIL (interlocking)
STD without knockouts

Application

- Designed to protect electrical wiring where dust, dirt, oil and water are not serious problems. All sections and fittings are fully open on one side so wires and cables can be laid in along an entire run. No pulling through of wires or cables is required.

Construction

- Code gauge low carbon steel
- Concentric knockouts two sides in sizes noted*
- Removable hinged cover standard
- Screw cover flat lid with keyhole slots available
- Complies with UL 870
- Complies with CSA Type 1 (specify CSA label when ordering)

Finish

- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - to order use GGFL, standard without knockouts

Specials

- Custom sizes and modifications available

Dividers available

Popular sizes in stock

Add 5% to quantities ordered less then standard cartons

When ordering always specify depth, width and length

Catalog #	NAED#	Size D"xW"xL"	STD CTN	Weight	User Price
252512G	1515 10000	2½x2½x12	1	2	**8.89**
252518G	1515 10010	2½x2½x18	1	3	**11.50**
252524G	1515 10020	2½x2½x24	1	5	**12.78**
252536G	1515 10030	2½x2½x36	1	7	**18.89**
252548G	1515 10040	2½x2½x48	1	10	**25.56**
252560	1515 10050	2½x2½x60	1	12	**31.11**
252572G	1515 10060	2½x2½x72	1	15	**42.22**
252596G	1515 10070	2½x2½x96	1	20	**55.56**
2525120G	1515 10075	2½x2½x120	1	25	**61.11**
*4412G	1515 10080	4x4x12	4	3	**8.89**
*4418G	1515 10090	4x4x18	2	4	**13.33**
*4424G	1515 10100	4x4x24	4	6	**13.33**
*4436G	1515 10110	4x4x36	4	9	**18.88**
*4448G	1515 10120	4x4x48	4	12	**26.66**
*4460G	1515 10130	4x4x60	4	15	**31.11**
4472G	1515 10140	4x4x72	2	18	**42.22**
4496G	1515 10150	4x4x96	2	24	**55.56**
44120G	1515 10160	4x4x120	1	30	**66.67**
*6612G	1515 10240	6x6x12	2	5	**17.77**
*6618G	1515 10250	6x6x18	2	7	**23.33**
*6624G	1515 10260	6x6x24	2	10	**23.33**
*6636G	1515 10270	6x6x36	2	15	**31.66**
*6648G	1515 10280	6x6x48	2	20	**42.22**
*6660G	1515 10290	6x6x60	2	25	**47.78**
6672G	1515 10300	6x6x72	1	30	**61.11**
6696G	1515 10310	6x6x96	1	40	**93.33**
66120	1515 10312	6x6x120	1	50	**111.11**

Catalog #	NAED#	Size D"xW"xL"	STD CTN	Weight	User Price
8812G	1515 10400	8x8x12	1	6	**30.00**
8818G	1515 10410	8x8x18	1	9	**44.44**
8824G	1515 10420	8x8x24	1	13	**44.44**
8836G	1515 10430	8x8x36	1	19	**68.89**
8848G	1515 10440	8x8x48	1	26	**80.00**
8860G	1515 10450	8x8x60	1	33	**93.33**
8872G	1515 10460	8x8x72	1	39	**120.00**
8896G	1515 10470	8x8x96	1	52	**177.78**
88120G	1515 10480	8x8x120	1	65	**200.00**
101012G	1515 10550	10x10x12	1	8	**44.44**
101024	1515 10560	10x10x24	1	17	**65.33**
101036G	1515 10570	10x10x36	1	25	**100.00**
101048G	1515 10580	10x10x48	1	34	**120.00**
101060G	1515 10590	10x10x60	1	42	**140.00**
101072G	1515 10600	10x10x72	1	51	**180.00**
101096	1515 10610	10x10x96	1	68	**226.66**
1010120G	1515 10620	10x10x120	1	85	**280.00**
121212G	1515 10690	12x12x12	1	10	**46.67**
121224G	1515 10700	12x12x24	1	20	**85.56**
121236G	1515 10710	12x12x36	1	30	**122.22**
121248G	1515 10720	12x12x48	1	40	**150.67**
121260G	1515 10730	12x12x60	1	50	**170.67**
121272G	1515 10740	12x12x72	1	60	**213.33**
121296G	1515 10750	12x12x96	1	80	**248.89**
1212120G	1515 10760	12x12x120	1	100	**333.33**

***with knockouts**

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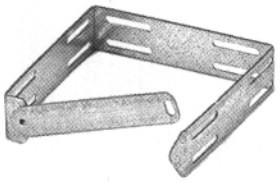
Type 1 Lay-In Wireway Fittings

Add 5% to quantities ordered less then standard cartons

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
2525C	1515 10900	2½x2½	2	.25	**2.66**
44C	1515 10901	4x4	20	.4	**2.89**
66C	1515 10903	6x6	20	.5	**4.44**
88C	1515 10905	8x8	10	1	**5.33**
1010C	1515 10907	10x10	2	1.25	**8.89**
1212C	1515 10909	12x12	2	1	**11.11**

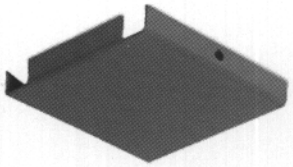
Standard Galvanized



CONNECTOR

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
2525E	1515 10800	2½x2½	2	.25	**2.66**
44E	1515 10810	4x4	20	.5	**2.89**
66E	1515 10830	6x6	20	.75	**4.44**
88E	1515 10850	8x8	10	2	**5.33**
1010E	1515 10870	10x10	2	2	**8.89**
1212E	1515 10890	12x12	2	4	**11.11**

For Galvanized order EG

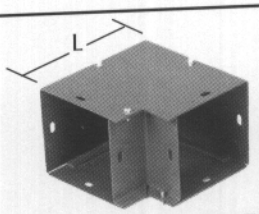


END CAP

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
2525L	1515 11000	2½x2½	1	2	**24.00**
44L	1515 11002	4x4	1	3	**24.00**
66L	1515 11006	6x6	1	5	**26.67**
88L	1515 11010	8x8	1	8	**44.44**
1010L	1515 11012	10x10	1	15	**57.78**
1212L	1515 11014	12x12	1	20	**84.44**

For Galvanized order LG

Duct Size	STD CTN	L-inches
2½x2½	1	5
4x4	1	6
6x6	1	8
8x8	1	10
10x10	1	12
12x12	1	14

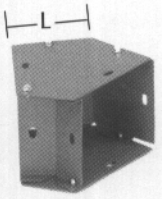


90° ELBOW

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
2525L45	1515 11016	2½x2½	1	1	**24.00**
44L45	1515 11018	4x4	1	2	**24.00**
66L45	1515 11020	6x6	1	3	**26.67**
88L45	1515 11022	8x8	1	6	**44.44**
1010L45	1515 11024	10x10	1	8	**57.78**
1212L45	1515 11026	12x12	1	10	**84.44**

For Galvanized order L45G

Duct Size	STD CTN	L-inches
2½x2½	1	2
4x4	1	3
6x6	1	4
8x8	1	5
10x10	1	6
12x12	1	7

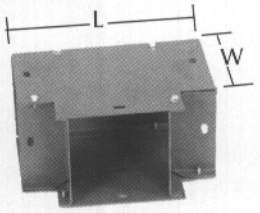


' ELBOW

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
2525T	1515 10970	2½x2½	1	2	**26.67**
44T	1515 10972	4x4	1	3	**26.67**
66T	1515 10976	6x6	1	5	**33.33**
88T	1515 10980	8x8	1	9	**50.66**
1010T	1515 10984	10x10	1	15	**88.88**
1212T	1515 10988	12x12	1	20	**111.11**

For Galvanized order TG

Duct Size	STD CTN	L	W
2½x2½	1	7	5
4x4	1	8	6
6x6	1	10	8
8x8	1	12	10
10x10	1	14	12
12x12	1	16	14

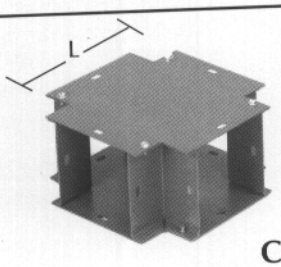


TEE

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
2525X	1515 11030	2½x2½	1	2	**29.33**
44X	1515 10032	4x4	1	3	**29.33**
66X	1515 11034	6x6	1	6	**34.67**
88X	1515 11036	8x8	1	8	**56.00**
1010X	1515 11038	10x10	1	15	**104.00**
1212X	1515 11040	12x12	1	17	**120.00**

For Galvanized order XG

Duct Size	STD CTN	L-inches
2½x2½	1	7
4x4	1	8
6x6	1	10
8x8	1	12
10x10	1	14
12x12	1	16



CROSS

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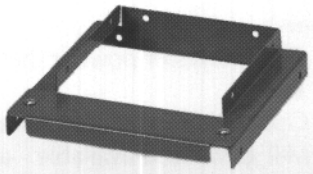
Type 1 Lay-In Wireway Fittings

COMBINATION HANGER

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
24CH	1515 10921	2.5x4	1	4.5	**11.25**
68CH	1515 10925	6x8	1	8	**20.50**
1012CH	1515 10929	10x12	1	17	**38.00**

24CH Accommodates 2.5x2.5 & 4x4
68CH Accommodates 6x6 & 8x8
1012CH Accommodates 10x10 & 12x12

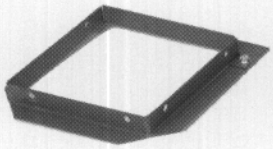
Standard Galvanized



REDUCER

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
425R	1515 38010	4 To 2 1/2	1	1	**25.00**
64R	1515 10989	6 To 4	1	1	**30.00**
84R	1515 10990	8 To 4	1	2	**32.00**
104R	1515 10992	10 To 4	1	3	**37.33**
86R	1515 10994	8 To 6	1	2	**34.67**
106R	1515 10996	10 To 6	1	3	**37.33**
108R	1515 10997	10 To 8	1	3	**40.00**
128R	1515 10998	12 To 8	1	3	**44.44**
1210R	1515 10999	12 To 10	1	3	**53.33**

For Galvanized use RG

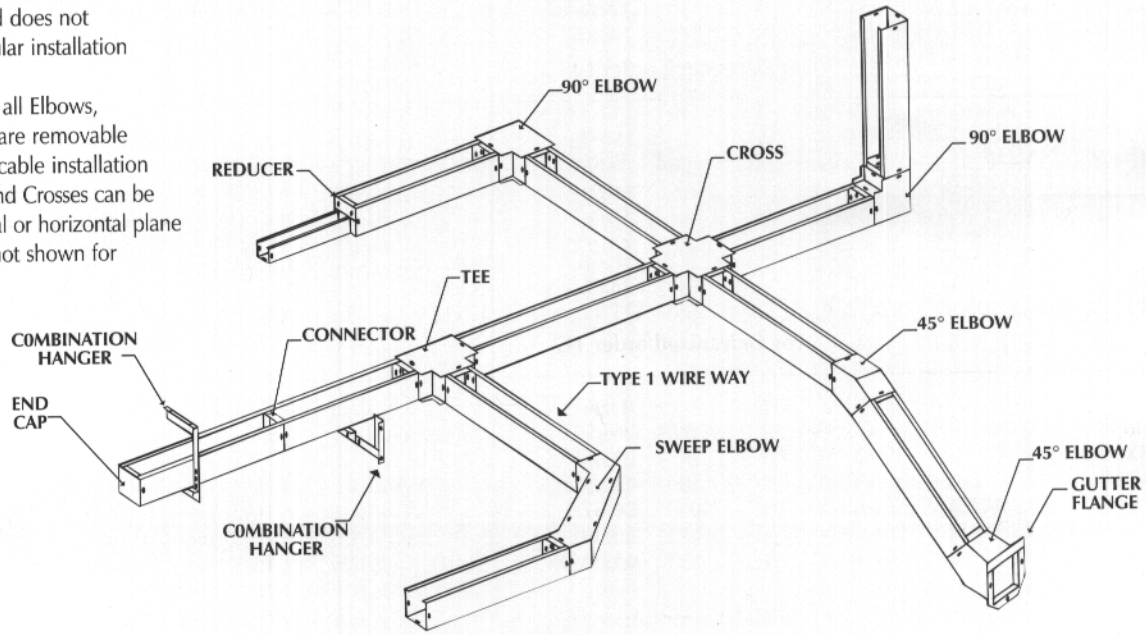


GUTTER FLANGE

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
2525GF	1515 10940	2 1/2x2 1/2	1	.25	**8.89**
44GF	1515 10942	4x4	1	.25	**8.89**
66GF	1515 10946	6x6	1	1	**13.33**
88GF	1515 10950	8x8	1	1	**17.33**
1010GF	1515 10954	10x10	1	1	**26.67**
1212GF	1515 10958	12x12	1	1	**35.56**

Standard Galvanized

- This drawing is for illustration purposes only and does not depict any particular installation method
- Top or bottom on all Elbows, Tees and Crosses are removable for lay-in wire or cable installation
- All Elbows, Tees and Crosses can be used in the vertical or horizontal plane
- WW covers are not shown for illustration only
- Dividers available



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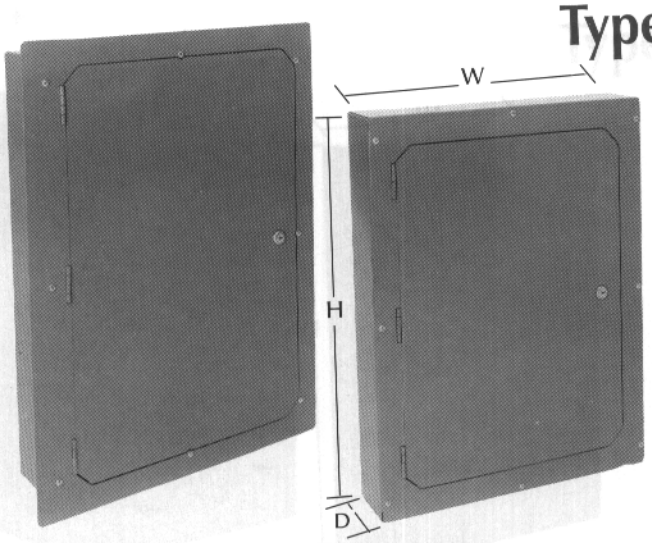
Unity MANUFACTURING

Telephone Cabinets
Type 1 Flush and Surface Mount



Improved Hinge Design (6-99)
Also wider opening for easy access

UL LISTED

Application
- Designed to enclose communication wiring, signal systems, junction or pull box and switch enclosure.

Construction
- Low carbon steel
- Plywood or metal back panels available
- Flush or surface cover
- Keyed cylinder lock
- No knockouts

Finish
- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - add G after part number

Specials
- Custom sizes and modifications available

When ordering always specify width, height and depth

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
884TCF	1515 20046	8x8x4	1	5	**34.67**
884TCS	1515 20044	8x8x4	1	5	**34.67**
10104TCF	1515 20050	10x10x4	1	8	**46.67**
10104TCS	1515 20060	10x10x4	1	8	**46.67**
12124TCF	1515 20126	12x12x4	1	10	**53.33**
12124TCS	1515 20124	12x12x4	1	10	**53.33**
12184TCF	1515 20166	12x18x4	1	15	**72.00**
12184TCS	1515 20164	12x18x4	1	15	**72.00**
12244TCF	1515 20176	12x24x4	1	18	**93.33**
12244TCS	1515 20174	12x24x4	1	18	**93.33**
18184TCF	1515 20296	18x18x4	1	18	**98.67**
18184TCS	1515 20294	18x18x4	1	18	**98.67**
18244TCF	1515 20321	18x24x4	1	25	**130.67**
18244TCS	1515 20319	18x24x4	1	25	**130.67**
24244TCF	1515 20366	24x24x4	1	30	**157.33**
24244TCS	1515 20364	24x24x4	1	30	**157.33**
24304TCF	1515 20381	24x30x4	1	36	**186.67**
24304TCS	1515 20379	24x30x4	1	36	**186.67**
24364TCF	1515 20401	24x36x4	1	42	**226.67**
24364TCS	1515 20399	24x36x4	1	42	**226.67**
24484TCF	1515 20406	24x48x4	1	60	**266.67**
24484TCS	1515 20404	24x48x4	1	60	**266.67**
30304TCF	1515 20416	30x30x4	1	55	**228.89**
30304TCS	1515 20414	30x30x4	1	55	**228.89**
30364TCF	1515 20426	30x36x4	1	65	**266.67**
30364TCS	1515 30424	30x36x4	1	65	**266.67**
36364TCF	1515 20430	36x36x4	1	80	**306.67**
36364TCS	1515 20433	36x36x4	1	80	**306.67**
36484TCF	1515 20435	36x48x4	1	100	**426.67**
36484TCS	1515 20436	36x48x4	1	100	**426.67**
48484TCF	1515 20437	48x48x4	1	130	**640.00**
48484TCS	1515 20438	48x48x4	1	130	**640.00**

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
10106TCF	1515 20123	10x10x6	1	10	**56.00**
10106TCS	1515 20125	10x10x6	1	10	**56.00**
12126TCF	1515 20127	12x12x6	1	12	**64.00**
12126TCS	1515 20128	12x12x6	1	12	**64.00**
12186TCF	1515 20167	12x18x6	1	16	**86.67**
12186TCS	1515 20168	12x18x6	1	16	**86.67**
12246TCF	1515 20177	12x24x6	1	20	**106.67**
12246TCS	1515 20178	12x24x6	1	20	**106.67**
18186TCF	1515 20297	18x18x6	1	22	**106.67**
18186TCS	1515 20298	18x18x6	1	22	**106.67**
18246TCF	1515 20322	18x24x6	1	30	**133.33**
18246TCS	1515 20323	18x24x6	1	30	**133.33**
18306TCF	1515 20330	18x30x6	1	36	**160.00**
18306TCS	1515 20340	18x30x6	1	36	**160.00**
18366TCF	1515 20350	18x36x6	1	45	**186.67**
18366TCS	1515 20360	18x36x6	1	45	**186.67**
24246TCF	1515 20367	24x24x6	1	37	**166.67**
24246TCS	1515 20368	24x24x6	1	37	**166.67**
24306TCF	1515 20382	24x30x6	1	45	**200.00**
24306TCS	1515 20383	24x30x6	1	45	**200.00**
24366TCF	1515 20402	24x36x6	1	52	**240.00**
24366TCS	1515 20403	24x36x6	1	52	**240.00**
24486TCF	1515 20407	24x48x6	1	68	**306.67**
24486TCS	1515 20408	24x48x6	1	68	**306.67**
30306TCF	1515 20417	30x30x6	1	68	**240.00**
30306TCS	1515 20418	30x30x6	1	68	**240.00**
30366TCF	1515 20431	30x36x6	1	80	**266.67**
30366TCS	1515 20432	30x36x6	1	80	**266.67**
36366TCF	1515 20440	36x36x6	1	90	**333.33**
36366TCS	1515 20450	36x36x6	1	90	**333.33**
36486TCF	1515 20460	36x48x6	1	125	**533.33**
36486TCS	1515 20470	36x48x6	1	125	**533.33**
48486TCF	1515 20480	48x48x6	1	170	**733.33**
48486TCS	1515 20490	48x48x6	1	170	**733.33**

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Flush Cover Lids Only

Catalog #	NAED#	Box Size	Cover Size	STD CTN	User Price
44FC	1515 24010	4x4	5 1/2x5 1/2	1	**3.60**
46FC	1515 24020	4x6	5 1/2x7 1/2	1	**3.73**
66FC	1515 24030	6x6	7 1/2x7 1/2	1	**3.87**
68FC	1515 24040	6x8	7 1/2x9 1/2	1	**4.67**
88FC	1515 24050	8x8	9 1/2x9 1/2	1	**5.33**
810FC	1515 24060	8x10	9 1/2x11 1/2	1	**6.00**
812FC	1515 24070	8x12	9 1/2x13 1/2	1	**6.33**
1010FC	1515 24080	10x10	11 1/2x11 1/2	1	**6.80**
1012FC	1515 24090	10x12	11 1/2x13 1/2	1	**7.33**
1212FC	1515 24100	12x12	13 1/2x13 1/2	1	**8.00**
1216FC	1515 24110	12x16	13 1/2x17 1/2	1	**9.33**
1218FC	1515 24120	12x18	13 1/2x19 1/2	1	**10.00**
1224FC	1515 24130	12x24	13 1/2x25 1/2	1	**10.67**
1616FC	1515 24140	16x16	17 1/2x17 1/2	1	**10.67**
1818FC	1515 24150	18x18	19 1/2x19 1/2	1	**11.67**
1824FC	1515 24160	18x24	19 1/2x25 1/2	1	**16.00**
2424FC	1515 24170	24x24	25 1/2x25 1/2	1	**18.67**
3030FC	1515 24180	30x30	31 1/2x31 1/2	1	**21.69**
3036FC	1515 24190	30x36	31 1/2x37 1/2	1	**24.00**
3636FC	1515 24200	36x36	37 1/2x37 1/2	1	**26.67**

Finish

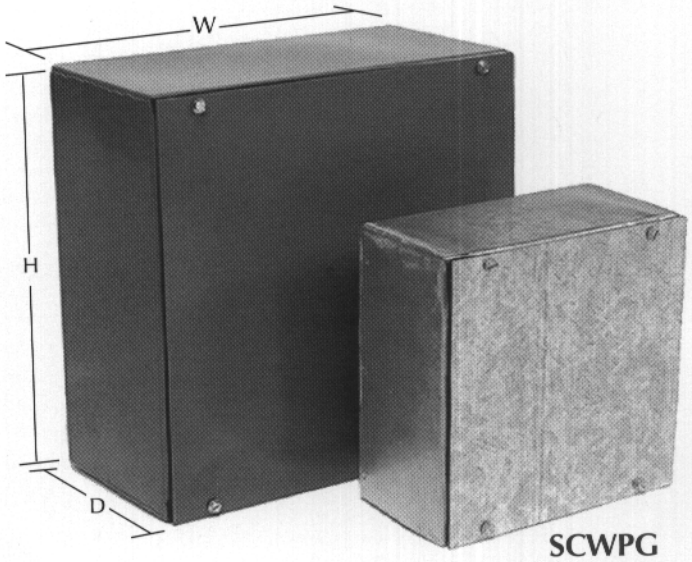
- Mill galvanized available - add G after part number

When ordering always specify height and width

Prices subject to change without notice

Gasketed Weatherproof

SCWP



SCWPG

Many sizes available - consult factory for pricing.

Construction

- Formed from code gauge low carbon steel
- Seam welded
- Gasketed
- No knockouts
- No mounting holes

Finish

- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - add G after part number

When ordering always specify width, height and depth

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
664SCWP	1515 37360	6x6x4	1	4	**26.80**
884SCWP	1515 37440	8x8x4	1	5	**32.80**
10104SCWP	1515 37020	10x10x4	1	7	**40.40**
12124SCWP	1515 37080	12x12x4	1	9	**45.20**
666SCWP	1515 37390	6x6x6	1	5	**34.80**
886SCWP	1515 37470	8x8x6	1	6	**40.80**
10106SCWP	1515 37030	10x10x6	1	8	**48.40**
12126SCWP	1515 37110	12x12x6	1	11	**54.80**
18186SCWP	1515 37210	18x18x6	1	20	**84.00**

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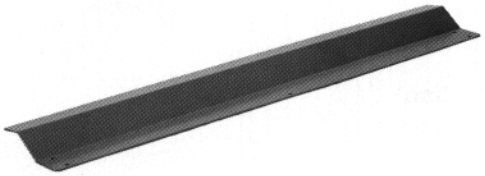
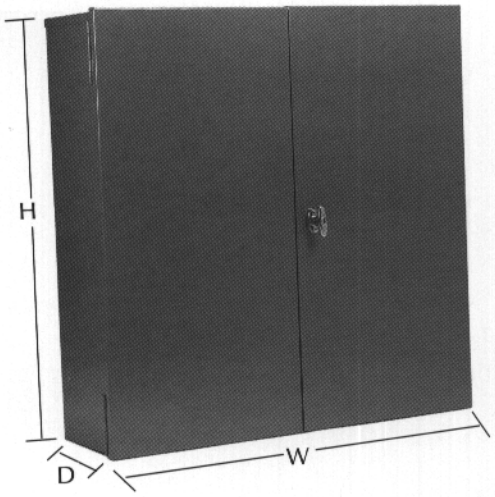
Current Transformer Cabinets





Application
- Designed for use in a wide variety of applications including transformer housing, junction and service enclosures

Construction
- Low carbon steel
- Hinged doors
- Various latching devices
- Nema 1 or 3R (specify drip shield)

Finish
- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - add G to part number

Specials
- Custom sizes and modifications available
- Lift off hinges
- Various latching systems

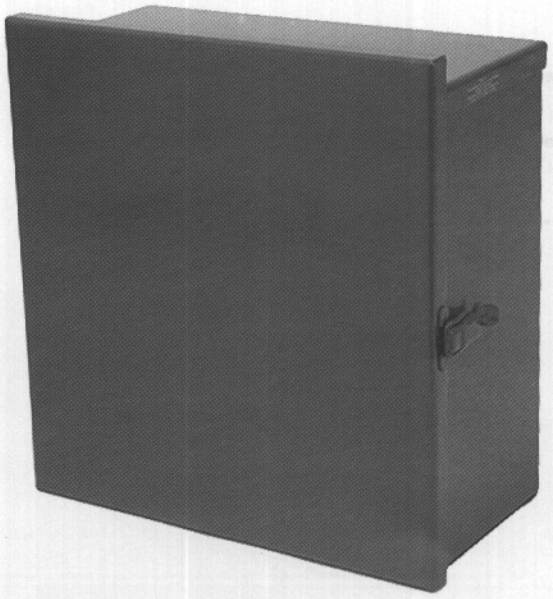
Double Door Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
303010DDCT	1515 33805	30x30x10	1	100	**248.89**
362410DDCT	1515 33825	36x24x10	1	80	**200.00**
363010DDCT	1515 33835	36x30x10	1	120	**277.78**
303610DDCT	1515 33845	30x36x10	1	120	**288.89**
323210DDCT	1515 33855	32x32x10	1	115	**262.22**
363210DDCT	1515 33865	36x32x10	1	120	**300.00**
323610DDCT	1515 33875	32x36x10	1	120	**300.00**
363610DDCT	1515 33885	36x36x10	1	135	**322.22**
443010DDCT	1515 33895	44x30x10	1	135	**344.44**

Single Door Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
182410SDCT	1515 33640	18x24x10	1	45	**111.00**
242410SDCT	1515 33650	24x24x10	1	55	**133.33**
243210SDCT	1515 33670	24x32x10	1	70	**161.11**
243610SDCT	1515 33680	24x36x10	1	75	**177.78**

CT Hoods Catalog #	NAED#	Size W"xD"	STD CTN	Weight	User Price
1810CTH	1515 33915	18x10	1	5	**26.67**
2410CTH	1515 33920	24x10	1	6	**33.33**
3010CTH	1515 33925	30x10	1	8	**38.89**
3210CTH	1515 33930	32x10	1	9	**41.11**
3610CTH	1515 33935	36x10	1	10	**45.56**
4410CTH	1515 33940	44x10	1	15	**57.22**

Nema 3R Hinge Cover

CONSULT FACTORY



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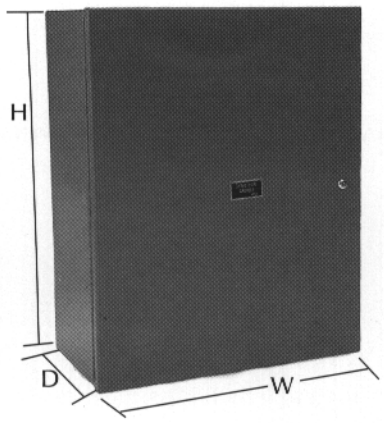
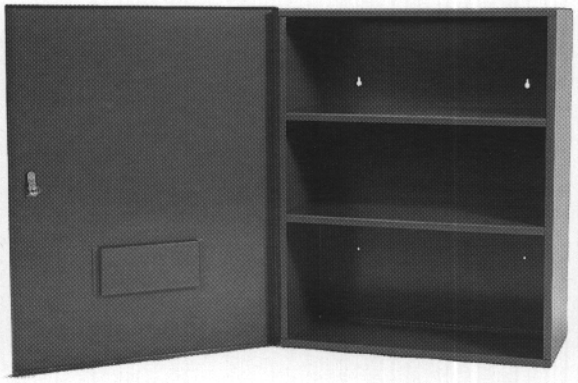
Spare Fuse Cabinets





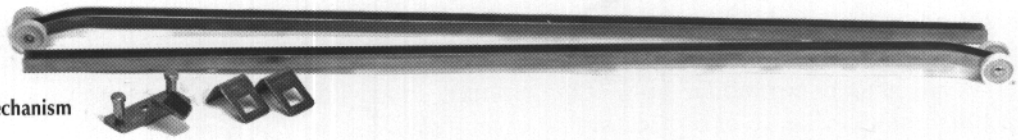
Application
- Provides secure shelved environment for the storage of spare fuses and other items

Construction
- Low carbon steel
- Continuous hinge
- Key hole style holes on 16" centers for easy wall stud mounting
- Convenient inventory card pocket
- Two reinforced shelves
- Individually packaged for quick UPS delivery

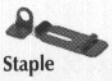
Finish
- Grey polyester powder thermoset over phosphatized surface
- Optional powder coat colors available
- Mill galvanized available - add G to part number

Specials
- Custom sizes and modifications available

Catalog #	NAED#	Size W"xH"xD"	STD CTN	Weight	User Price
SFC	1515 32090	24x30x12	1	70	**300.00**



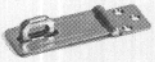
3pt Lock Mechanism



Small Hasp & Staple

Non-Locking T-Handle

Southco "L" Handle



Large Hasp & Staple

Pad Lock Handle

Coin Latch

Large Pull Down Hasp

Small Pull Down Hasp

Key Lock

Locking T-Handle

Many hardware options available - consult factory

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GENERAL CONDITIONS OF SALE

UNITY ENCLOSURES are sold through wholesale distributors nationwide.

TERMS: Two percent (2%) 10th prox net 30 days. All orders shipped by the 25th of the month are payable on the 10th of the following month.

MINIMUM BILLING: One hundred dollars ($100.00) Net plus transportation charge.

ERRORS: All clerical errors subject to correction.

FREIGHT: Liberal freight terms, consult factory. There will be a $25.00 charge for bus station or post office delivery. There will be a $5.00 handling charge for all prepay and charge shipments.

LOSS OR DAMAGE IN TRANSIT: Our responsibility ceases with delivery to the carrier, at which time title passes to the purchaser and all claims for loss, damage or delay must be made to the carrier by the purchaser.

SHIPPING SCHEDULES: Published lead times and estimated shipping dates are only approximate based on the normal uninterrupted flow of production activity and are in no way guaranteed.

RETURN POLICY: No goods may be returned without first obtaining our express written permission. Goods that arrive without permission will be refused and returned to the shipper. Only standard catalog items will be considered for return. Items must be of current design and in resalable condition, which were shipped not more than one year prior to date of return request. Return shipment must be on a prepaid freight basis. Only a credit memo can be issued for return goods and this memo will be subject to a deduction for outgoing freight similar to that of the return cost, a 20% restocking charge and the cost of any rework required.

CANCELLATION: An order once placed with us and accepted by us can be cancelled only with our express written consent and upon terms that will indemnify the company. Orders for SPECIALS, or standard goods in quantities larger than normal inventory, may NOT be cancelled once order is placed in production.

SPECIALS: Unity Manufacturing welcomes the opportunity to quote on your special enclosure needs. Many custom features can be provided. Purchase orders received for non-catalog items are not cancelable and after shipment may not be returned.

WARRANTY: Unity Manufacturing warrants that its products shall be free from defects in material for a period of one year form date of shipment from its plant. If after our inspection a defect is revealed, Unity Manufacturing will not be held responsible for (1) any amount beyond the price of the product, (2) any unauthorized repair. This warranty shall not apply to any product that shows evidence of neglect, misuse or misinstallation, or that has been repaired or altered by any party other than this company. This warranty is and shall be in lieu of all other warranties, expressed or implied.

All products manufactured in the U.S.A.

Commercial And Government Entity (CAGE) Code 0HTC9

NEMA ENCLOSURE TYPES

NEMA TYPE 1: General purpose indoor - intended primarily to prevent accidental contact with enclosed equipment, in areas where unusual service conditions do not exist.

NEMA TYPE 3R: Rainproof and sleet resistant - outdoor- intended to protect enclosed equipment against rain.

NEMA TYPE 3: Dust tight, rain tight, sleet resistant - outdoor - intended to protect enclosed equipment against wind, dust and water.

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D-502

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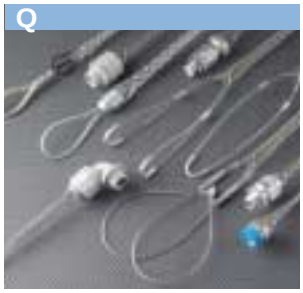

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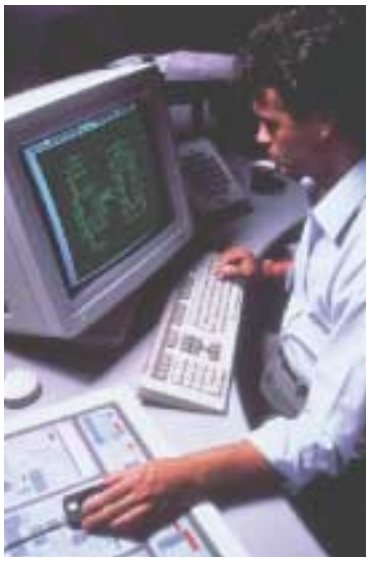
Leviton...Building a Connected World

The Leviton Manufacturing Company has its origins at the the dawn of the electrical era in1906. Originally engaged in the fabrication of mantle tips for gas lighting, the Company soon converted to production of a single electrical product—a pull-chain lampholder. Through the years, the Company has developed literally thousands of complementary products and devices. Additionally, the Company has acquired other industry-related companies, whose descriptions follow. Combining internal growth and development and acquisitions, Leviton presently offers a comprehensive line of electrical and electronic products to a vast spectrum of professionals and end-users.

The Leviton Manufacturing Company…

Leading the Electrical Industry for Nine Decades

With a growing legacy of hundreds of design patents, today Leviton's product offering comprises more than 25,000 distinct electrical and electronic wiring devices. The Company stands as a leader in the electrical industry as it serves industrial, commercial, OEM and residential markets through retail and distribution channels.



Pioneering Advances

Building on nine decades of experience, Leviton's engineers, designers and researchers apply the latest technologies to the development of new products and product refinements that satisfy the needs of emerging new market segments. Equipped with the latest CAD/CAM design tools, direct model-making capability, and industry-leading R & D and testing facilities, Leviton continues to introduce premium specification grade devices, power-quality equipment, microprocessor controls, and a host of other new products that set the pace of progress in the industry.

Advanced Manufacturing Technologies

These electric and electronic devices are produced in Leviton factories throughout North America. Employing vertically-integrated manufacturing, the Company fabricates virtually all parts for the devices it produces. This assures unmatched quality not only in finished products but also in components and subassemblies.

Industrial robotics and automated assembly improve the manufacturing process dramatically. Production times are measured in minutes, and often in seconds. Quick product change-overs to accommodate rapid changes in market requirements can be carried out efficiently to keep Leviton at the leading edge of responsiveness.

World-Class Quality

State-of-the-art manufacturing also enables the Company to harness automated production technologies that facilitate zero-defect factory output in combination with lower costs of manufacture.

Leviton's Quality Assurance team has instituted an innovative inspection program applying statistical process controls. Component parts and subassemblies are checked at every step to ensure that finished devices are perfect. In addition, Leviton is using UL as a registrar to secure ISO registration for all its manufacturing plants, warehouses and office facilities.

Setting the Standard for Service

The hallmark of Leviton's leadership is customer satisfaction. A centralized Customer Service staff brings its resources to bear for maximum efficiency. With computerized pricing and order information on line, EDI has been implemented to provide instantaneous, open electronic data exchange with all customers in the link.

Leviton's warehousing facilities are strategically located throughout North America and equipped with state-of-the-art materials handling technologies. All are interlinked by a computerized network that provides outstanding turnaround and order fill for customers nationwide. Combined with electronic data exchange, the distribution centers are the cornerstone of speedy, efficient product supply and VMI services to satisfy a broad array of customer needs.

Powerful Marketing Maximizes Opportunity

Leviton goes to market in the Consumer, Distribution and OEM channels. Each has a dedicated Marketing division applying its depth of expertise to identify opportunity in new and existing markets for creating strong sales volume, increased share of market and sustained profitable growth.

Leviton offers comprehensive marketing and merchandising support that include advertising, collateral materials, sales aids, incentive programs, award-winning merchandising systems, promotions and in-depth training.

Versatility, Quality, Leadership The Keys to Future Growth

From its origin, Leviton has been at the forefront of progress and innovation within the electrical industry. The Company sustains this legacy with a continuing commitment to pioneering new technologies, implementing enlightened business policies, and providing outstanding responsiveness. No matter which markets our customers serve, they are well-served by Leviton.

Leviton...
The Company Behind the Product

Leading with Products, Programs and Service

Leviton remains the number one choice of specifying engineers, architects, electrical contractors and the other electrical professionals we've been serving for more than nine decades. Leviton has set the highest levels of quality and efficiency as our standard in all aspects of our organization, from design to delivery. Our aim is to be an indispensable ally to those we serve in order to meet all market, technical and service challenges successfully and profitably.

The Leviton Family of Companies is backed by technical service, quality assurance, engineering, manufacturing, research and development, testing facilities and market representation. This combination of expertise and personal commitment have earned Leviton a well-deserved worldwide reputation for quality, precision and reliability. The D-502 catalog reflects Leviton's commitment to support traditional markets along with identification and penetration of emerging markets. Leviton offers an extensive line of rugged high-performance Industrial Specification Grade devices to satisfy the no-compromise needs of industrial users. Also listed is an enlarging line of new and improved electrical devices for commercial and residential applications.

State-of-the Art Engineering

At the core of Leviton's operation is its Engineering Department. Equipped with the latest CAD/CAM design, direct model-making capabilities and industry-leading research and testing facilities, this creative force has supplied Leviton with a premier line of Industrial Specification Grade devices, lighting controls, surge protective (TVSS) devices, and many other new products included in this edition of the D-502.

Advanced Manufacturing Technologies

The outstanding work performed by our engineers becomes evident on the production line. Leviton continues to hone its leading edge by implementing lean, efficient and flexible manufacturing methods in its plants worldwide. Industrial Robotics and automated assembly improve manufacturing efficiency dramatically. Production times are now measured in minutes and, in some cases, even seconds. Quick product change-overs, to accommodate rapid changes in market requirements, are being made possible with the implementation of flexible tooling. Manufacturing responsiveness is the wave of the future — yours and ours.

ISO 9000 Certified Quality Manufacturer

The ISO 9000 standard defines system requirements that a company must meet in order to assure customers of a competitive product. As part of Leviton's commitment to total quality, all Leviton manufacturing facilities are ISO 9000 Certified.

Six Sigma Quality Improvement

Six Sigma is an integral part of Leviton's commitment to continuous improvement in productivity and customer satisfaction. It is a process that leads to major and measurable quality enhancements in all phases of manufacturing. The goal of Six Sigma is to achieve a performance standard of 99.9997%, which is defined as 3.4 defects per 1 million opportunities.

Prompt Coast-To-Coast Distribution and Customer Service

Leviton assures the timely delivery of its products through an extensive network of plants and distribution facilities throughout North America. Leviton customer service representatives are dedicated professionals committed to making sure you receive the best possible service. They utilize the latest computer equipment and service technologies, including voice mail, a 24-hour FAX line (1-800-832-9538), and an 800-number tech line (1-800-824-3005).

Industry-Leading Marketing and Sales

Since 1970, the Leviton Marketing team has devoted its efforts to monitoring crucial developments and trends and allocating the necessary resources to capitalize on profitable opportunities. Leviton is now committed to helping you serve profitable, rapidly emerging niche markets. We are developing the necessary tools, such as informative literature and new business techniques, to help assure our mutual success. The Leviton Sales organization is devoted to providing you with outstanding service. All sales representatives have a full arsenal of resources at their disposal. They have the authority to be responsive problem solvers and speedy decision makers in the field. They have earned the confidence of their management through the consistent display of professionalism and good judgement, primary qualifications for a dynamic sales team.

Leviton and Your Future

Leviton has developed a wide range of resources and continues to advance on all fronts to meet the challenge of a rapidly changing world. You are encouraged to take full advantage of all that Leviton has to offer. Together, we can secure the full potential that the future holds for all of us. Our aim is to do it right the first time, every time, and we are committed to providing you with the finest products and services to make that vision a reality.

American Insulated Wire

American Insulated Wire Corporation, a Leviton company since 1937, has been a leading national manufacturer and supplier of electrical and electronic wire, cable, and cord since 1924. To meet customer needs, American serves three markets — Electrical Distribution, OEM, and Telecommunications — through our manufacturing sites, located in South Attleboro, Massachusetts; Pawtucket, Rhode Island; Coffeyville, Kansas; and strategically located warehouses throughout the United States.

American manufactures and supplies thermoset and thermoplastic types of wire, cable, cord, and cord set products for commercial, industrial, residential, institutional, OEM, utility and telecommunications use — almost anywhere there's a need for electricity. Our products are classified into seven product lines including, building wire, control and instrumentation cable, cord sets/power supply cord, electronic cable, portable cord/cable (featuring Mustang® spec grade portable cord), power cable, and telecommunication cable. Most of these are stock items. However, we have the ability to specially custom design or engineer wire, cable and cord to meet customers' specifications or requirements.

American Insulated Wire holds a very simple corporate philosophy: provide unparalleled personal service and manufacture the highest quality product to meet customers' needs at a competitive price. The company meets this fundamental principle through its:

- Vertically integrated manufacturing
- Rigorous quality program
- Manufacturing Resource Planning (MRP II)
- Technical expertise
- Customer service

Today, the company employs the latest in technology and systems available to insure a quality product.

American is an ISO 9000 company; American's Northeastern facilities were ISO 9001 registered in 1994 by Underwriter's Laboratories, Inc.

For product, corporate or contact information, visit our website at www.aiwc.com.

Pacific Electricord

Since 1939, Electricord has built a reputation for quality products and customer satisfaction. One of the first manufacturers in our industry to produce extension cords with molded-on connectors that offered our customers considerable savings, we were also the first to package our products for the consumer market. Over the years we've grown to become the nation's leading manufacturer of electrical cords and accessories, serving our customers with over 1,500 different products including indoor and outdoor extension cords, power supply cords, a complete spooled wire program, surge protectors and power centers, portable lighting, automotive accessories, cord storage products and custom OEM cordsets.

Electricord's status as an ISO 9001-certified company is a guarantee that all of our products comply with stringent quality standards. Our 400,000-plus square foot plant dedicated to wiring, cabling and jacketing, is equipped with the latest machinery including state-of-the-art CAD/CAM design and manufacturing equipment.

To insure maximum product reliability, Electricord maintains a rigid Quality Control program and complies with UL and CSA standards. Electricord also makes European and Australian configured cordsets.

Electricord offers the finest electrical products available today…and the brightest ideas for the marketplace of tomorrow. Innovation. Quality…Leadership…Electricord.

Voice & Data Division

Leviton Telcom and Leviton Fiberoptic Technologies have joined forces to become the Leviton Voice & Data Division. Now, two industry innovators you depend on for award-winning fiber and copper solutions have been brought together in one division. The newly created Voice & Data Division is the single, reliable industry leader that can meet all of your networking needs: Fiber and Copper Systems; Voice, Data, Audio and Video Connections; Frame-to-Frame Solutions; and Horizontal and Backbone Infrastructure.

Backed by nearly a century of wiring device experience, Leviton Voice & Data offers on-site product design and automated assembly in an ISO 9001 registered, state-of-the-art manufacturing facility. As an active member of industry regulatory and standards bodies, including TIA and BICSI, you are assured top performance and standards compliance. You benefit from the convenience of one-stop shopping for connectivity products that support a full range of applications and requirements.

All Leviton Voice & Data products offer installer- and user-friendly design features. We provide excellent support with highly trained application engineers who have extensive experience as installers and system designers in the premise wiring industry. In addition, Registered Communications Distribution Designers (RCDD's) are on staff to ensure that product development reflects industry standards.

Lighting Control Division

Lighting control technology is evolving at an ever-increasing pace as your customers demand products and systems that deliver sophisticated control options, energy-conservation and cost-savings. The Leviton Lighting Control Division now offers architects, electrical engineers, lighting designers, interior designers and contractors a single source for all lighting controls and energy management products.

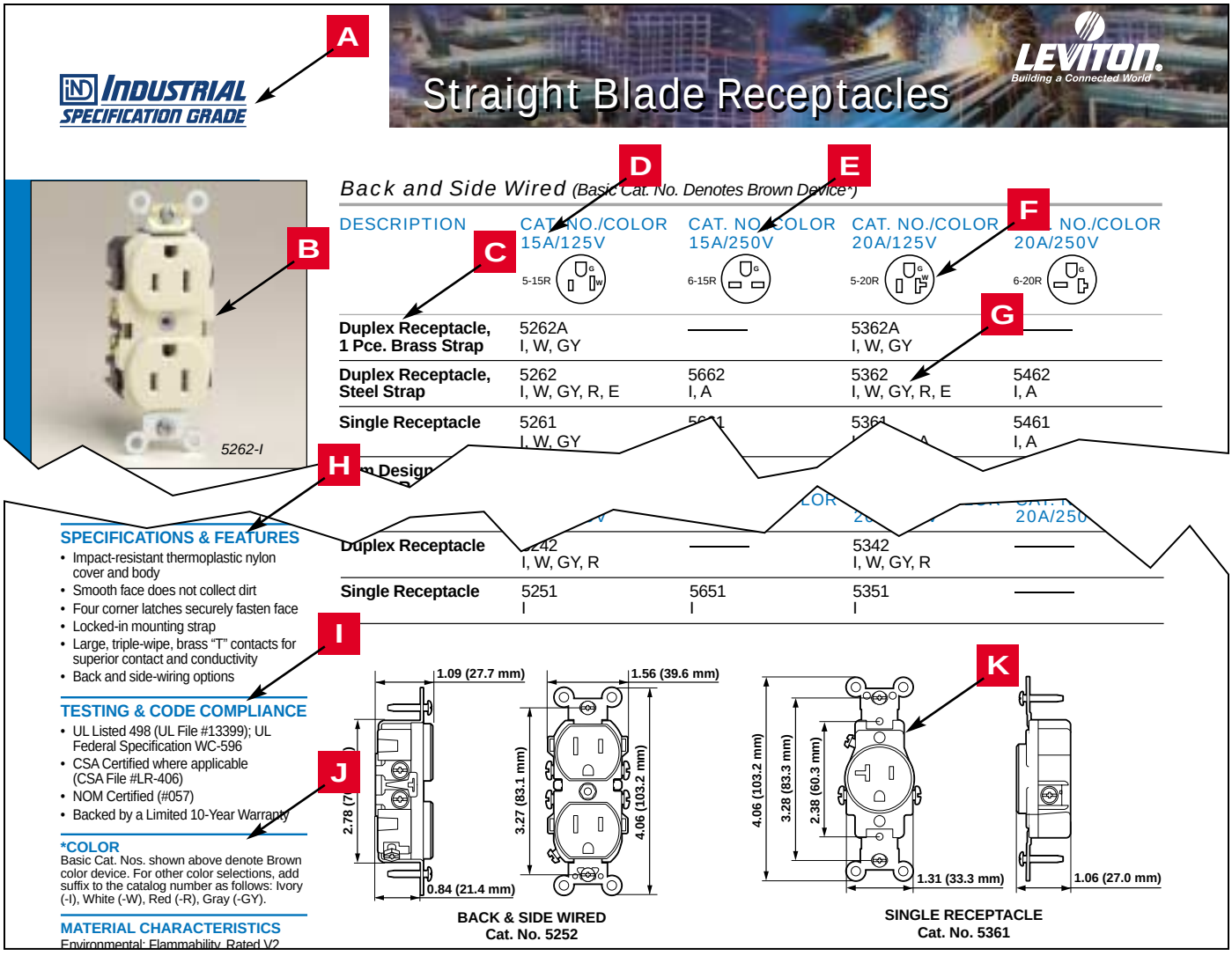
The Leviton Lighting Control Division combines the innovation and experience of NSI and Colortran with Leviton's ninety years of manufacturing expertise. Our highly skilled engineers and designers use the latest high-tech systems (CAD, CAE) to custom design site-specific Architectural Lighting Control Systems. Leviton meets the challenge of any size application, including: theaters, concert halls, sports arenas, convention centers, universities, hotels, libraries, hospitals, houses of worship and more. Leviton box-mounted lighting controls are available with a wide range of design features, including all-digital controls and scene lighting capability to meet the needs of modern interiors. The Lighting Control Division also takes the lead in advanced energy management products, including occupancy sensors, electronic timers, and relay-based lighting control systems. Our innovative new fluorescent energy management control system is in the vanguard of energy-savings and task-lighting products for the modern office.

All Leviton lighting control products meet or exceed the most demanding industry standards. ISO 9000 Certification ensures that all products comply with the most rigid manufacturing standards. In addition to world-class quality, Leviton lighting controls offer step-by-step instructions that are easy to read and easy to use.

How To Use This Catalog

This edition of the Leviton Wiring Device Catalog has been re-designed to help you find the device you're seeking in the quickest and easiest way possible. To achieve this, each Section (A, B, C, etc.) has been divided into three distinct portions in the following sequence — Industrial Specification Grade first, Commercial Specification Grade second, Residential Grade third — and grouped according to their amperage and voltage, lowest to highest. (Some product classes may have slight differences.) If you need to place an order for any quantity of 15 Amp, 125 Volt, Industrial Specification Grade duplex receptacles with back and side wiring, you would begin your search for the right Leviton product with the Table of Contents. Here you'll see that all receptacles are listed in Section D. Turning to Section D, you'll find that product descriptions now lead off each listing, so that you'll be able to understand what the device is about, functionally, in relation to your needs. Product description, in turn, is followed by Amps and catalog numbers for ordering purposes. To assist you further, such helpful highlights as Specifications & Features, Testing & Code Compliance, Color listing, Material Characteristics, color photos and dimensional drawings virtually fill each page. Four-color photographs have been added throughout the catalog to provide you with an enhanced view of the Leviton product line.

Any page in this D-502 Catalog can be used as a specificer sheet or as part of a presentation; and any page can be clearly faxed to customers and prospects. Product classes may also be pinpointed in the Quick Reference Guide following the Table of Contents. After turning to the proper page, you would locate the catalog number for the item that corresponds to your needs, along with basic information about similar items. Wiring diagrams, NEMA Configuration Charts, Electrical Industry Definitions, ANSI Architectural Symbols, and other related information can be found in the Technical Section (T). Specific product catalog numbers are listed in the exhaustive index at the back of the catalog.



A Choose GRADE, if appropriate

B PHOTOGRAPH

C Check for SINGLE or DUPLEX

D Find AMPERAGE

E Select RATING and WIRING

F Check for NEMA CONFIGURATION

G COLOR ABBREVIATIONS

H SPECIFICATIONS & FEATURES

I TESTING & CODE COMPLIANCE

J COLOR LISTING

K DIMENSIONAL ILLUSTRATIONS

Decora® Devices

Leviton's Decora designer line of wiring devices adds contemporary styling to any residential or commercial application. Decora Devices are built to the highest performance standards to provide a long, trouble-free service life. The Decora Devices line represents a broad selection of switches, receptacles, surge suppressor receptacles, GFCI receptacles, lighting controls, occupancy sensors, fan speed controls, combination devices, wall jacks and wallplates.

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SECTION A

COMMERCIAL SPECIFICATION GRADE

LEVITON Building a Connected World

Decora Devices

Features and Benefits

- Decora Devices are engineered for beauty, versatility and durability.
- All Decora Plus Commercial Specification Grade devices feature heavy-duty construction.
- Decora Lighting Controls offer the lighting design professional a comprehensive selection of Decora lighting and fan speed controls.
- All Decora devices meet or exceed applicable UL, CSA and NOM testing standards.
- Backed by a Limited 10-Year Warranty

Decora® Devices Add an Air of Distinction to Fine Interiors Everywhere

Decora Switches

A complete range of single pole, double pole, 3 and 4-way switches in both residential and commercial grades.

Cat. Nos. 5691-2E, 5621-2W

Decora Receptacles

A broad selection of amperages and NEMA configurations in Industrial, Commercial and Residential grades with an array of colors from which to choose.

Cat. No. 16352-GY

Decora Illuminated Switches

Pilot Light, Illuminated Rocker, Maintained and Momentary Contact versions.

Cat. No. 5631-2A, 5628-2I

Decora Hospital Grade Receptacles

Hospital Grade receptacles (GREEN DOT on face) feature locked-in mounting straps with both a self-grounding clip and a green grounding screw terminal.

Cat. No. 16262-IGR

Decora Combo Devices

Compact design fits dual or triple switch, switch/receptacle, or switch/GFCI receptacle into standard wallboxes.

Cat. No. No. 5299

Decora Lighting Controls

Leviton makes a comprehensive selection of Decora lighting controls for incandescent, low-voltage and fluorescent lamp types with advanced lighting control technologies.

Cat. No. MDI06-1LW

Fan Speed Controls

Decora Fan Speed Controls provide convenient operation of ceiling, attic, kitchen and bathroom fans for maximum comfort and efficiency.

Cat. No. IPF05-1LW

Decora Communications Wiring Devices

Pre-configured and field-configurable jacks accommodate Decora wallplates, complementing other Decora wiring devices, and fit in standard NEMA wallboxes.

Cat. No. 41658-W

To learn more about Leviton's outstanding offering of devices visit our Website at: http://www.leviton.com ***....Building a Connected World***

COMMERCIAL SPECIFICATION GRADE

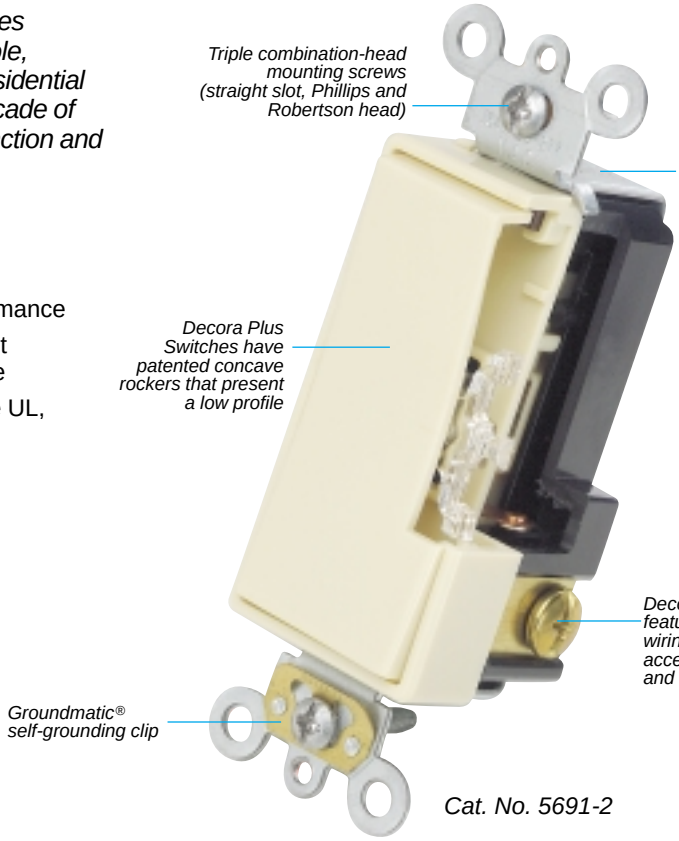
LEVITON
Building a Connected World

DECORA PLUS Devices

Leviton's Decora line of designer-style switches are available in a complete range of single pole, double pole, 3 and 4-way switches in both residential and commercial grades. They come in a cascade of contemporary shades and add an air of distinction and value to contemporary commercial and residential design schemes.

Features and Benefits

- Engineered for fine tolerances and top performance
- Decora Plus Switches feature impact resistant thermoplastic construction for long service life
- All Decora devices meet or exceed applicable UL, CSA and NOM testing standards



Cat. No. 5691-2

Decora® Switches Enhance Every Interior

Decora Plus

A complete range of rugged Commercial Specification Grade single pole, double pole, 3 and 4-way switches.

Cat. Nos. 5621-2A, 5691-2A

Illuminated

Rocker lens is illuminated when load is OFF.

Cat. No. 5631-2I

Pilot Light

Rocker lens is illuminated when load is ON.

Cat. No. 5628-2E

Momentary Contact

Combines Decora styling and rugged construction for momentary contact closure (single-pole, double-throw, center OFF switching).

Cat. No. 5657-2A

Maintained Contact

Rugged Decora styling for maintained contact closure (single-pole, double-throw, center OFF switching).

Cat. No. 5685-2E

Residential Grade

Engineered for smooth, quiet operation and a long trouble-free service in fine residential interiors.

Cat. No. 5601-2IM

Electronic Timer

Four preset buttons permit selective time control of lights and appliances. Ideal for outdoor lights, spas, Jacuzzis and fans.

Cat. No. 6515M-W

DECORA PLUS AC Quiet Rocker Switches

5691-2GY in 80301-GY

Back and Side Wired 120/277V AC

DESCRIPTION	15 AMP	20 AMP	ROCKER & FRAME COLOR* *Basic Cat. No. Denotes Mahogany*
Single-Pole	5691-2	5621-2†	I, W, A, GY, E
Double-Pole	———	5622-2	I, W, A, GY, E
Three-way	5693-2	5623-2†	I, W, A, GY, E
Four-way	———	5624-2	I, W, A, GY, E

†Available in Red (-R)

SPECIFICATIONS & FEATURES

Back and Side Wired

- Full rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Back and side-wiring terminals accept both solid and stranded wire to ease installation
- New architecturally-styled smooth-action concave rocker
- Heavy-duty impact-resistant thermoplastic construction for long service life in commercial applications
- Two ground connection options: a green grounding screw and a self-grounding clip
- For Canadian 347V Decora Plus Switches, see page A32

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Compliance with the latest Federal Specification WS-896
- Backed by a Limited 10-Year Warranty

*COLOR

Back and Side Wired
Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A), Gray (-GY), Black (-E), Red (-R).

Imprinted Decora Switches
Custom orders available in Ivory (-I), White (-W).

HORSE POWER

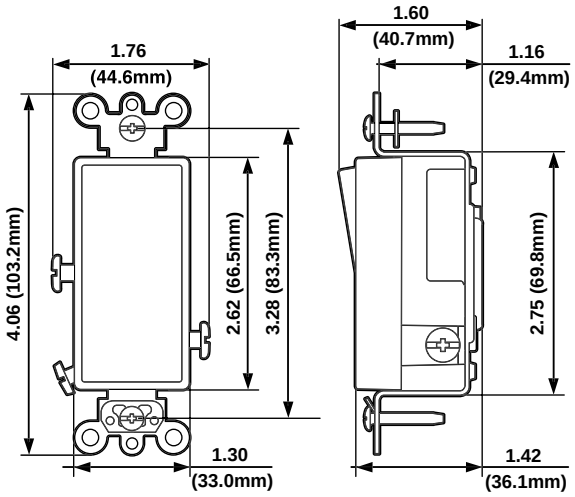
15A	20A
½ @ 120V	1 @ 120V
2 @ 240V	2 @ 240V

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.



SINGLE POLE
Cat. Nos. 5621-2 & 5691-2

THESE DIMENSIONS APPLY TO ALL SWITCHES ON THIS PAGE

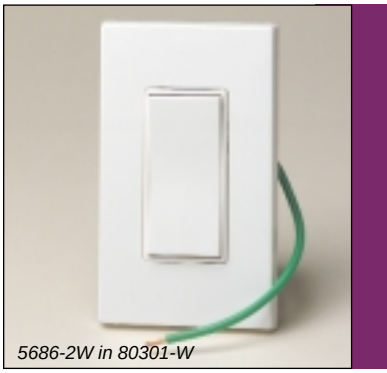
Back and Side Wired Momentary Contact 15 AMP 120/277V AC

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Mahogany*
Single Pole, Double Throw, Center OFF	5657-2	I, W, A, GY, E

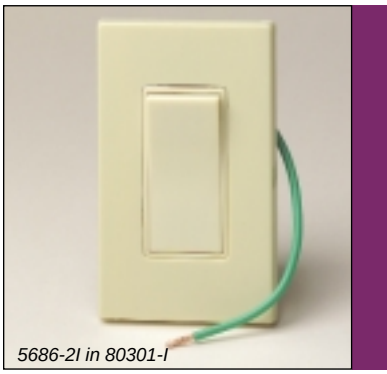
Back and Side Wired Maintained Contact 15 AMP 120/277V AC

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Mahogany*
Single Pole, Double Throw, Center OFF	5685-2	I, W, A, GY, E
Double Pole, Double Throw, Center OFF	5686-2	I, W, A

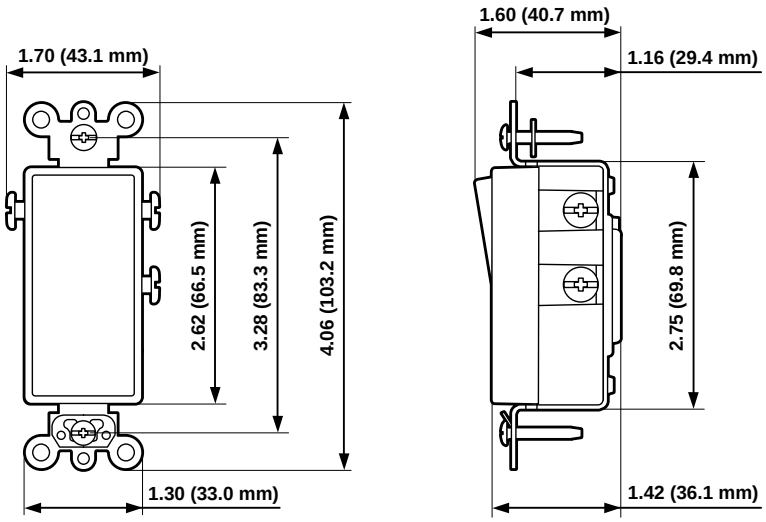
All devices are UL Listed and CSA Certified.



5686-2W in 80301-W



5686-2I in 80301-I



SINGLE POLE
Cat. Nos. 5657 and 5685

THESE DIMENSIONS APPLY TO ALL SWITCHES ON THIS PAGE

SPECIFICATIONS & FEATURES

- Full rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Wrap-around heavy-gauge strap with locking tabs for added strength
- Back and side-wiring terminals accept both solid and stranded wire to ease installation
- Two ground connection options: a green grounding screw and a self-grounding clip

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Meets requirements of latest Federal Specification WS-896
- Backed by a Limited 10-Year Warranty

*COLOR

Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A), Gray (-GY), Black (-E).

HORSE POWER

15A
½ @ 120V
2 @ 240V

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

DECORA PLUS Illuminated and Pilot Light Switches

5631-2W in 80301-W

5628-2A in 80301-A

20 AMP Back and Side Wired Illuminated (Lens illuminated when load OFF)

DESCRIPTION	CAT. NO.	COLOR*
Single-Pole, 120V 60Hz AC Only	5631-2	I, W, A
Three-way, 120V 60Hz AC Only	5633-2	I, W, A
Single-Pole, 277V 60Hz AC Only	5649-2	I, W, A
Three-way, 277V 60Hz AC Only	5659-2	I, W, A

20 AMP Back and Side Wired Pilot Light (Lens illuminated when load ON)

DESCRIPTION	CAT. NO.	COLOR*
Single Pole, 120V 60Hz AC Only	5628-2	I, W, A
Three-way, 120V 60Hz AC Only	5638-2	I, W, A
Single Pole, 277V 60Hz AC Only	5629-2	I, W, A
Three-way, 277V 60Hz AC Only	5639-2	I, W, A

All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES

- 20A, 120 and 277V single-pole and 3-way versions, 60Hz AC Only
- Pilot Light rocker visible when ON even in bright light
- Back and side-wiring terminals accept both solid and stranded wire to ease installation
- Two ground connection options: a green grounding screw and a self-grounding clip

Illuminated Switch

- Does not require a neutral

Pilot Light Switch

- Requires a neutral

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Compliance with the latest Federal Specification WS-896
- Backed by a Limited 10-Year Warranty

*COLOR

Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A).

HORSE POWER

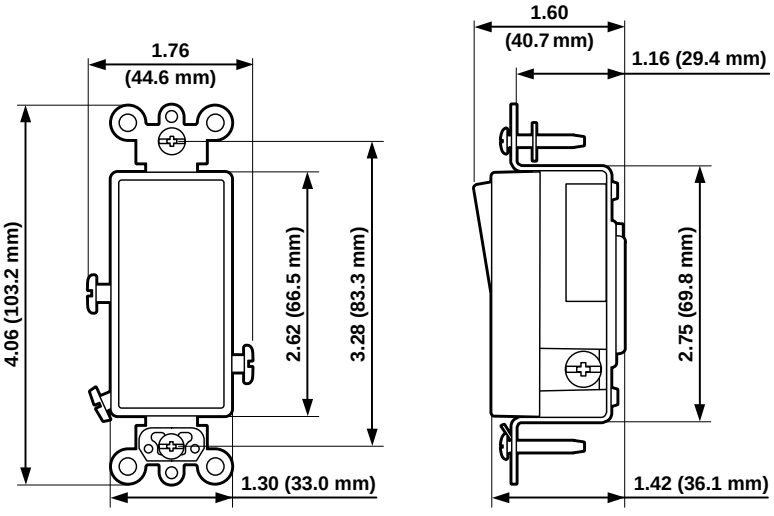
20A
1 @ 120V
2 @ 240V

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.



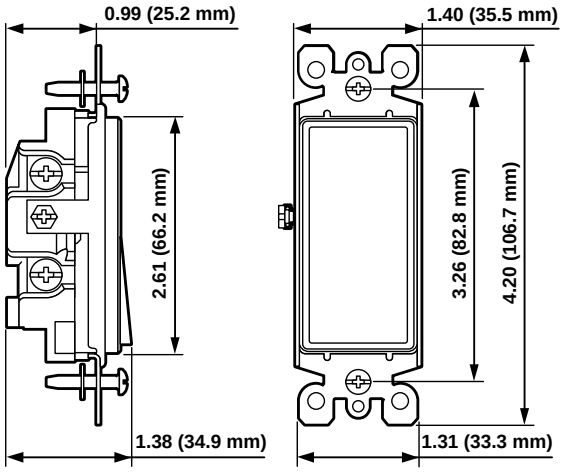
THESE DIMENSIONS APPLY TO ALL SWITCHES ON THIS PAGE

Decora AC Quiet Rocker Switches

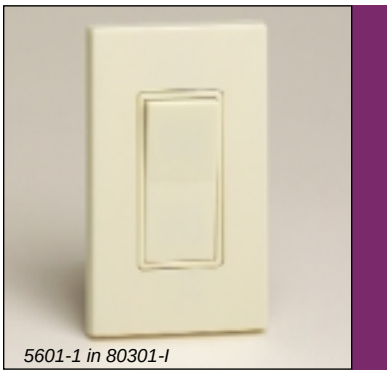
15 AMP Quickwire Push-In and Side Wired 120/277V AC

DESCRIPTION	CAT. NO.	ROCKER COLOR*	FRAME COLOR*
Single-Pole	5601	Mahogany	Mahogany
	5601-I	Ivory	Ivory
	5601-W	White	White
	5601-2A	Almond	Almond
	5601-2E	Ebony	Ebony
	5601-2GY	Gray	Gray
	5601-2WE	White	Ebony
	5601-2IM	Ivory	Mahogany
Double-Pole	5602-2	Mahogany	Mahogany
	5602-2I	Ivory	Ivory
	5602-2W	White	White
	5602-2GY	Gray	Gray
	5602-2A	Almond	Almond
	5602-2E	Ebony	Ebony
Three-Way	5603	Mahogany	Mahogany
	5603-I	Ivory	Ivory
	5603-W	White	White
	5603-2A	Almond	Almond
	5603-2E	Ebony	Ebony
	5603-2GY	Gray	Gray
	5603-WE	White	Ebony
Four-Way	5604	Mahogany	Mahogany
	5604-I	Ivory	Ivory
	5604-W	White	White
	5604-2A	Almond	Almond
	5604-2E	Ebony	Ebony
	5604-2GY	Gray	Gray

Note: To order Decora rocker switches with grounding screw add suffix -2 (i.e. 5601-2I)
All devices are UL Listed and CSA Certified.



DECORA AC QUIET ROCKER SWITCHES
Cat. Nos. 5601, 5602, 5603, 5604


5601-1 in 80301-I

5601-2GY in 80301-GY

SPECIFICATIONS & FEATURES

- Switch frame shields against dust and fits in wallplate to prevent rocker binding
- Side Wire (No.10 copper or copper clad wire) and Quickwire (No.12 or No.14 copper or copper-clad wire) push-in terminal wiring options
- Sturdy construction for long service life
- Full rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Conform to all NEMA standard specifications

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Rocker/frame color combinations available as listed.

HORSE POWER

15A
½ @ 120V
2 @ 240V

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Decora AC
Quiet Rocker Switches

5611-I in 80301-I

5618-2A in 80301-A

SPECIFICATIONS & FEATURES

- Illuminated Switch rocker illuminated when load is OFF
- Pilot Light switch rocker visible when ON even in bright light
- Switch border shields against dust and fits in wallplate to prevent rocker binding
- Side-wiring terminals accept both solid and stranded wire to ease installation
- Full rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Conform to all NEMA standard specifications

Imprinted Decora Switches

- Stock Decora switches available with choice of five imprints on rocker: FAN, DISPOSAL, OIL BURNER

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Quickwire and Side Wired – Illuminated and Pilot Light
For color choice add suffix as follows: Ivory (-I), White (-W), Almond (-A).

HORSE POWER

15A	20A
½ @ 120V	1 @ 120V 2 @ 277V

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

15 AMP Quickwire and Side Wired (Lens illuminated when OFF) 120/277V AC

DESCRIPTION	CAT. NO.	COLOR*
Single Pole	5611-I	Ivory
	5611-W	White
	5611-2A	Almond
Three-Way	5613-I	Ivory
	5613-W	White
	5613-2A	Almond
Four-Way	5614-2I	Ivory
	5614-2W	White
	5614-2A	Almond

Note: To order Decora rocker switches with grounding screw add suffix -2 (i.e. – 5611-2I)

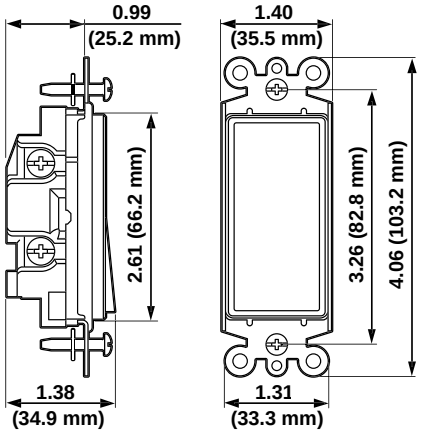
15 AMP Imprinted Switches 120/277V AC

DESCRIPTION	CAT. NO.	STOCK MESSAGES AVAILABLE
Single Pole, Ivory, Stock or Custom Imprinted	5601-Z2I	FAN, DISPOSAL, OILBURNER
Single Pole, White, Stock or Custom Imprinted	5601-Z2W	FAN, DISPOSAL, OIL BURNER

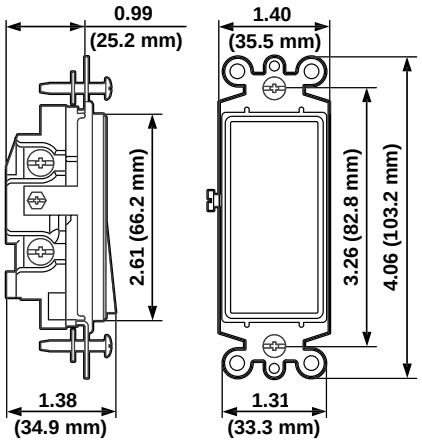
Quickwire and Side Wired Pilot Light (Lens illuminated when load ON)

DESCRIPTION	CAT. NO.	COLOR
Single Pole, 120V 60Hz AC ½ HP	5618-2*	I, W, A

*Requires neutral wire
All devices are UL Listed and CSA Certified



ILLUMINATED
Cat. No. 5611



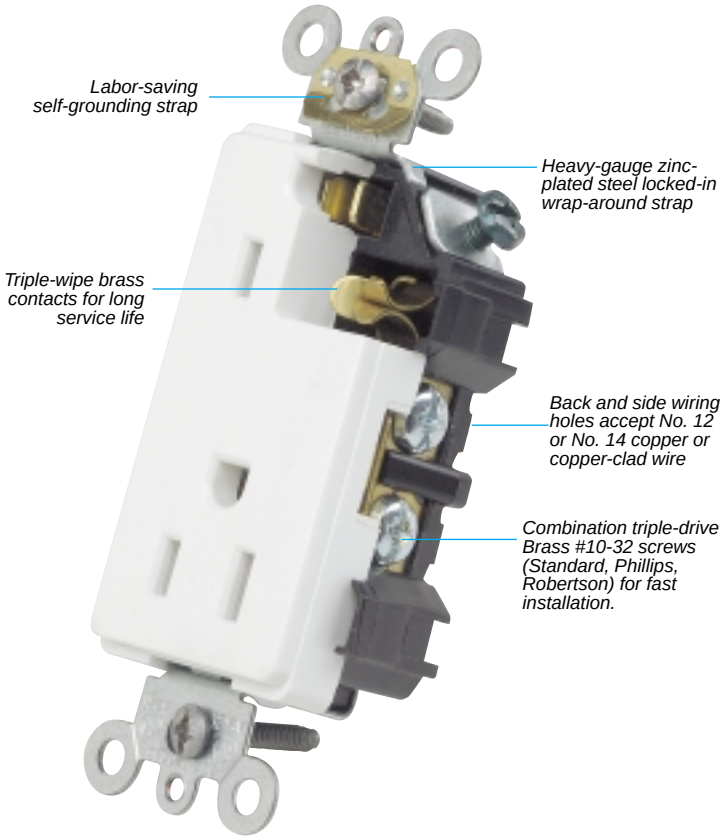
PILOT LIGHT
Cat. No. 5618-2I

Decora Receptacles

Leviton's Decora line of designer-style receptacles are available in Industrial Specification Grade (including Hospital Grade), Commercial Specification Grade and Residential Grade, with a number of wiring options and features. They come in a variety of contemporary shades and add contemporary style to fine interiors everywhere.

Features and Benefits

- Engineered for fine appearance and top performance in demanding commercial and institutional applications using a durable, thermoplastic face and impact-resistant construction
- Shallow design for maximum wiring room in wallbox
- Back Wire and Side Wire terminal wiring options for ease of installation
- Heavy-gauge zinc-plated steel locked-in wrap-around strap
- Triple-wipe brass contacts for long service life
- Exclusive V-shaped, serrated back wiring clamps for superior contact and conductivity
- Available in an array of colors to coordinate with any interior
- Backed by a Limited 10-Year Warranty



Cat. No. 16252-W

The Beauty, Durability and Versatility of Decora® Receptacles

Hospital Grade Tamper Resistant

These Hospital Grade receptacles incorporate a unique shutter mechanism that opens easily for insertion of 2 or 3-prong plugs, but prevents the insertion of small objects into either outlet slot.

Cat. No. 16262-SGI

Dual Voltage

Maintain the consistent look of Decora style receptacles throughout commercial settings even when the need arises for Dual Voltage 15A 125 and 15A 250V duplex receptacles.

Cat. No. 16292-I

Surge Suppressor

Decora-style single and duplex surge-protective receptacles, including versions with audible alarm, LED indicator light and Isolated Ground.

Cat. No. 8280-IGB

GFCI

Decora Plus GFCI receptacles are designed to protect against shock hazard from loads they power where electrical contact might provide an electrical grounding path through the body.

Cat. No. 6898-W

Residential

Receptacles engineered for elegant appearance, speedy installation and a long trouble-free service life for fine residential applications.

Cat. No. 5325-I

16262-SGI in 80301-I

16262-SGR

SPECIFICATIONS & FEATURES

- Durable thermoplastic face in an array of contemporary colors
- Receptacles have a locked-in mounting strap with a self-grounding clip riveted to the strap
- Hospital Grade Tamper-resistant receptacles include a unique shutter mechanism that opens easily for the insertion of 2 or 3-prong plugs while preventing entry by other small objects into either outlet slot
- Hospital Grade Isolated Ground receptacles (identified by an orange face or triangle on the face) protect sensitive electronic equipment and eliminate electromagnetic interference by providing a separate path to ground
- Back and side wiring terminals permit fast installation of up to # 10 solid or stranded conductors
- Triple-wipe copper alloy contacts ensure maximum conductivity

TESTING & CODE COMPLIANCE

- UL Listed (File #E-13399)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. denote Mahogany device (unless indicated) and Orange for Isolated Ground (-IG) Devices. Isolated Ground Receptacle is distinguished by an orange triangle on its face. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Almond (-A), Mahogany (for IG devices only, add -B), Red (-R), Gray (-G or -GY) and Black (-E).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating

Operating Temperature: -40°C to 60°C Maximum Continuous

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Back and Side Wired NEMA 5-15R & 5-20R (Basic Cat. No. denotes Mahogany device, except Isolated Ground devices—Basic Cat. No. denotes Orange device)

DESCRIPTION	CAT. NO./COLOR* 15A/125V 5-15R	CAT. NO./COLOR* 20A/125V 5-20R
Hospital Grade, Duplex	16262-HG I, W, G, R (No Mahogany)	16362-HG I, W, G, R
Hospital Grade, Tamper Resistant Duplex	16262-SG I, W, G, R	———
Hospital Grade, Isolated Ground Duplex	16262-IG B, I, W, G, R	16362-IG B, I, W, G, R
Industrial Grade, Duplex	16262 I, W, GY, E	16362 I, W, GY, E, A

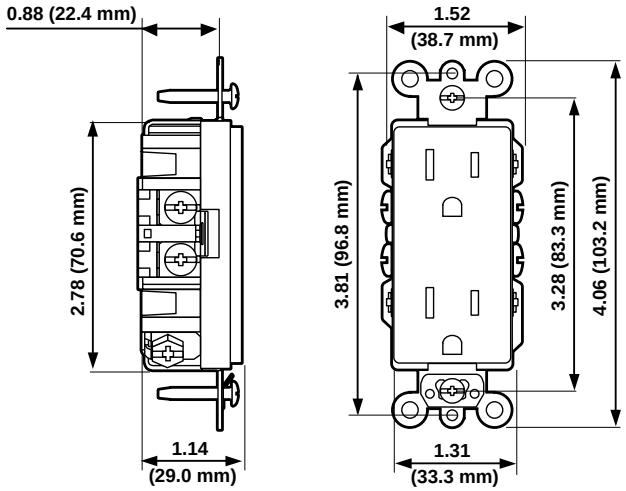
Back and Side Wired NEMA 6-15R & 6-20R

DESCRIPTION	CAT. NO./COLOR* 15A/250V 6-15R	CAT. NO./COLOR* 20A/250V 6-20R
Hospital Grade, Duplex	16662-HG I, W (No Mahogany)	16462-HG I, W (No Mahogany)

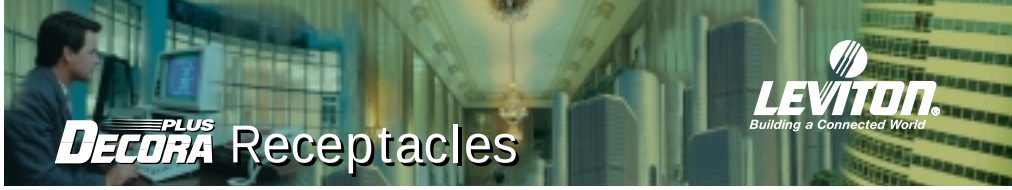
Wallplates for Isolated Ground Devices Engraved with "Isolated Ground"

DESCRIPTION	CAT. NO.	COLOR*
Decora Receptacle Wallplate	80401-IG	Orange only

All devices are UL Listed and CSA Certified.



DUPLEX BACK AND SIDE WIRED
Cat. No. 16262



*Back and Side Wired, Self-Grounding**
NEMA 5-15R, 6-15R, 5-20R & 6-20R (Basic Cat. No. Denotes Mahogany Device)*

DESCRIPTION	CAT. NO./COLOR 15A/125V 5-15R	CAT. NO./COLOR 15A/250V 6-15R	CAT. NO./COLOR 20A/125V 5-20R	CAT. NO./COLOR 20A/250V 6-20R
Duplex	16252 I, W, GY, E, A	16662 I, W	16352 I, W, GY, E, A	16462 I, W
Single★	16251 I, W	16651 I, W (No Mahogany)	16351 I, W	16451 I, W (No Mahogany)

*****Self-grounding when installed in a properly grounded metal wallbox

Side Wired, Self-Grounding NEMA 5-15R, 6-15R, 5-20R & 6-20R*
(Basic Cat. No. Denotes Mahogany Device)*

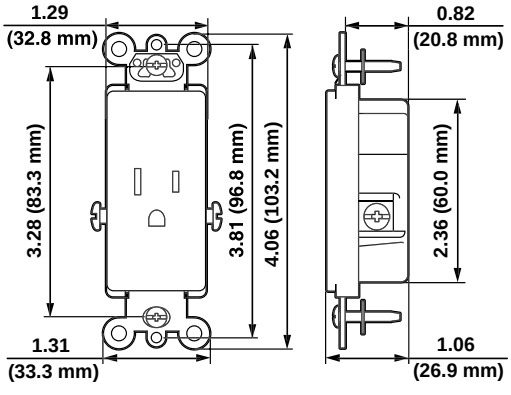
DESCRIPTION	CAT. NO./COLOR 15A/125V 5-15R	CAT. NO./COLOR 15A/250V 6-15R	CAT. NO./COLOR 20A/125V 5-20R	CAT. NO./COLOR 20A/250V 6-20R
Duplex	16242 I, W, E (No Mahogany)	———	16342 I, W, GY, E	———
Single★	16241 I, W (No Mahogany)	16641 I, W (No Mahogany)	16341 I, W, GY, A	16441 I, W, A (No Mahogany)

*****Self-grounding when installed in a properly grounded metal wallbox

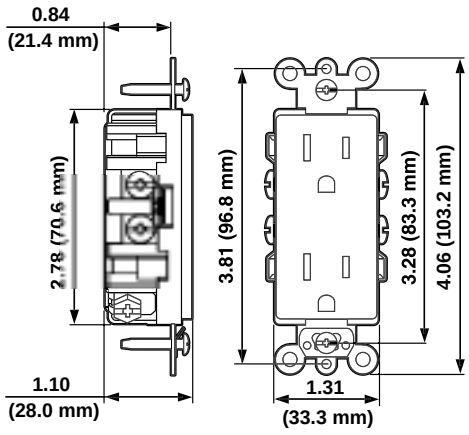
*Back and Side Wired, Self-Grounding**
125V/250V Dual Voltage NEMA 5-15R & 6-15R

DESCRIPTION	15 AMP	COLOR* *Basic Cat. No. Denotes Mahogany*
Duplex, Dual Voltage	16292	I, W

*****Self-grounding when installed in a properly grounded metal wallbox
All devices are UL Listed. Also CSA Certified except where indicated by★



SINGLE BACK AND SIDE WIRED, SELF-GROUNDING
Cat. No. 16251



DUPLEX BACK AND SIDE WIRED, SELF-GROUNDING
Cat. No. 16252

16251-W in 80301-W

16352-W in 80301-W

SPECIFICATIONS & FEATURES
- Back Wire and Side Wire terminal options
- Heavy-gauge zinc-plated steel locked-in wrap-around strap
- Terminal screws accept up to No. 10 copper or copper-clad wire, solid or stranded
- Back wire terminals accept up to No. 10 copper or copper-clad wire, solid or stranded
- Labor-saving self-grounding clip
- Heavy-duty triple-wipe brass contacts for long service life
- Impact-resistant thermoplastic construction

TESTING & CODE COMPLIANCE
- UL Listed (File #E-13399
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR
Basic Cat. No. denotes Mahogany device (unless indicated). For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Almond (-A), Gray (-GY) and Black (-E).

MATERIAL CHARACTERISTICS
Environmental: Flammability UL-94, V2 Rating

Operating Temperature: -40°C to 60°C Maximum Continuous

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Decora AC Receptacles

5325-W in 80301-W

5325-GY in 80301-GY

Side Wire and Quickwire NEMA 5-15R

DESCRIPTION	15 AMP 5-15R	COLOR *Basic Cat. No. Denotes Mahogany*
Duplex	5325	I, W, A, GY, E
Duplex, Self-Grounding Clip★	5325-S	I, W (No Mahogany)
Duplex, 8-Hole Quickwire★	5328	I, W, A (No Mahogany)

*Self-grounding when installed in a properly grounded metal wallbox
All devices are UL Listed. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES

- Side Wire and Quickwire™ holes accept No. 14 AWG copper wire for Cat. No. 5325
- Heavy-gauge zinc-plated steel mounting strap
- Heavy duty double-wipe brass contacts for long service life

TESTING & CODE COMPLIANCE

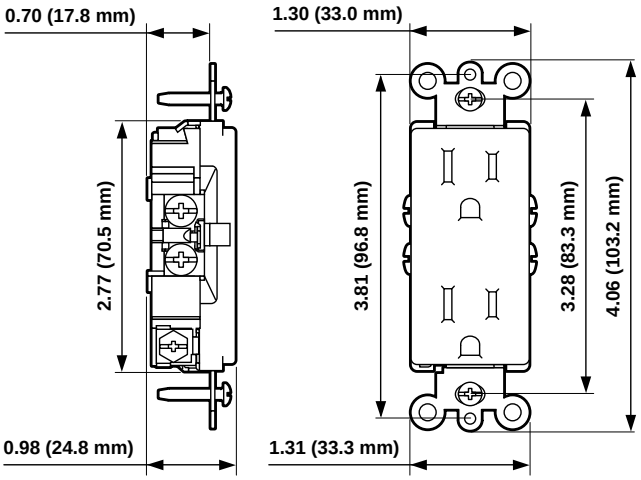
- UL Listed (File #E-13399)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited One-Year Warranty

*COLOR

Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A), Gray (-GY), Black (-E).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 60° C
Maximum Continuous



DUPLEX QUICKWIRE PUSH-IN AND SIDE-WIRED
Cat. No. 5325

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

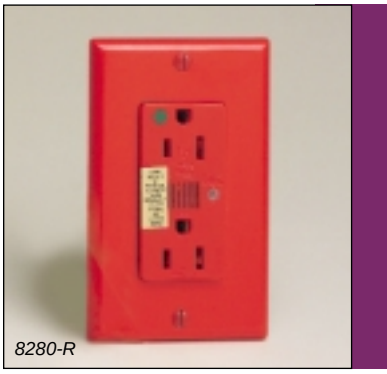
Decora Surge Suppressor Receptacles

Back and Side Wired NEMA 5-15R & 5-20R

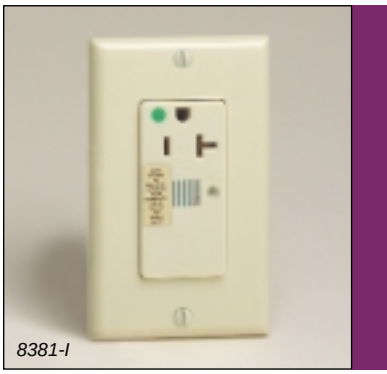
(Basic Cat. No. denotes Mahogany device, except where indicated)

DESCRIPTION	CAT. NO./COLOR* 15A/125V 5-15R	CAT. NO./COLOR* 20A/125V 5-20R
Hospital Grade, TVSS Duplex	8280 I, W, A, R, B	8380 I, W, GY, R, B
Hospital Grade, TVSS Single	———	8381 I, W, GY, R
Hospital Grade, Isolated Ground TVSS Duplex	8280-IG I, W, G, A, B, O *(No Mahogany)*	8380-IG I, W, G, R, B, O *(No Mahogany)*
Hospital Grade, Isolated Ground TVSS Single	8281-IG I, W, A, O *(No Mahogany)*	8381-IG I, W, B, O *(No Mahogany)*
Industrial Grade, TVSS duplex	5280 I, W, GY, A, B	5380 I, W, GY, B
Industrial Grade, Isolated Ground TVSS Duplex	5280-IG I, W, G, A, B, O	5380-IG I, W, G, B, O

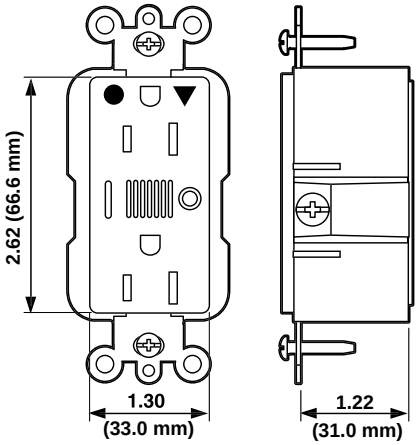
All devices are UL Listed and CSA Certified



8280-R



8381-I



TVSS DUPLEX
Cat. No. 8280-IG

SPECIFICATIONS & FEATURES

- Decora-styled TVSS receptacles protect sensitive electronic equipment against transient voltage surges
- UL 1449 Suppressed Voltage Ratings: 400V for all 3 modes (line-neutral, line-ground, neutral ground)
- Fuse-protected internal circuitry
- Super impact-resistant Lexan face
- RFI and EMI noise filtration (-35db, @ 5KHz-5MHz)
- Supplied with Decora wallplate
- Hospital Grade and Isolated Ground versions include green LED indicator light that goes out and audible alarm that sounds when protection is lost
- Industrial Grade versions include green LED indicator light that goes out when protection is lost
- Maximum Continous Operating Voltage: 150V
- Maximum single-pulse transient current (8 x 20 ms Amps peak) 24,000A (L-N), 12,000A (L-G), 12,000 (N-G)
- Rated single pulse transient energy (10 x 1000ms, impulse) 320 joules

TESTING & CODE COMPLIANCE

- UL Listed (File #E-13399
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- 15 and 20 amp versions both meet new UL Standard 1449-2nd ED. (1998)
- Backed by a Limited Five-Year Warranty

*COLOR

Basic Cat. Nos. denote Mahogany device, unless indicated. Isolated Ground Receptacle is distinguished by an orange triangle on its face. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Almond (-A), Red (-R), Gray (-G or -GY), Blue (-B) and Orange (-O).

MATERIAL CHARACTERISTICS

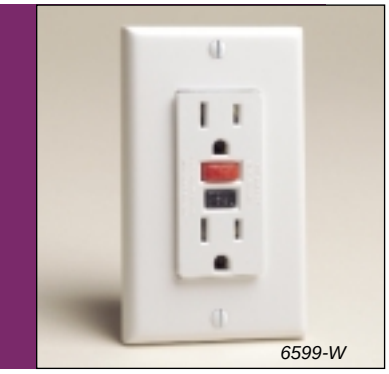
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

For more information regarding Surge Protection Devices, refer to section R.

DECORA PLUS GFCI Receptacles

LEVITON Building a Connected World



6599-W

5299-W

SPECIFICATIONS & FEATURES

- Protects against ground fault shock hazard wherever electrical contact might provide a path to ground through a human body
- Can be wired to provide feed-through protection to other outlets on the same circuit
- Sturdy impact-resistant plastic face
- Built-in TEST and RESET buttons on device face
- Back and side wired for easy installation
- Trip threshold meets or exceeds UL requirements for tripping time
- Silver alloy contacts provide maximum protection

Combination Switch/GFCI

- Ideal for kitchens, bathrooms, modular kitchen units, bathroom cabinet fixtures, lamp cabinet fixtures and applications where combination devices are used

Hospital Grade

- UL Listed Hospital Grade Receptacle construction

TESTING & CODE COMPLIANCE

- UL Listed (File #E-48380)
- CSA Certified (File #LR-57811)
- NOM Certified (File# 057)
- Conform with UL Standard 943 Class A (GFCI) and 498 (Receptacle)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Mahogany color device. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Red (-R), Gray (-GY or -G), Black (-E) and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

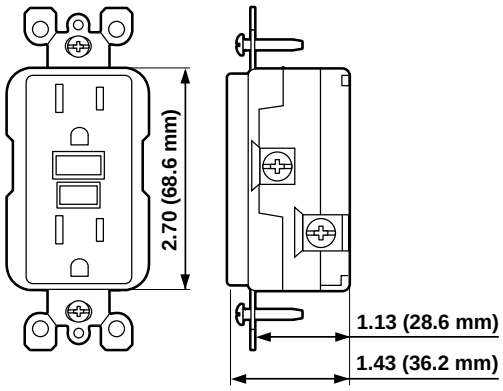
125V 60HZ AC—Back and Side Wired

DESCRIPTION	RECEPTACLE 15 AMP/ CAT.NO. 5-15R	RECEPTACLE 20 AMP CAT. NO. 5-20R	FEED-THROUGH RATING	COLOR* Basic Cat. No. Denotes Mahogany
GFCI Receptacle with Indicator Light, Commercial Specification Grade	6598	6898	20 Amps	I, W
GFCI Receptacle, No Indicator Light, Commercial Specification Grade	6599	6899	20 Amps	**15A**: I, W, E, GY, A **20A:** I, W, GY
GFCI Receptacle/Buttons match face color. No Indicator Light, Commercial Specification Grade	6599-A	6899-A	20 Amps	I, W, A
Hospital Grade GFCI Receptacle with Indicator Light	6598-HG	6898-HG	20 Amps	I, W, G, R
GFCI Receptacle, No Indicator Light, with 4½" Leads, Commercial Specification Grade★	6599-L★	——	20 Amps	I, W
Switch-Rated GFCI, Blank Face Feed-Through, No Indicator Light	——	——	6490 20 Amp 125V Switch Rated; Switch Rating: 1.5 HP @120V	I, W, E

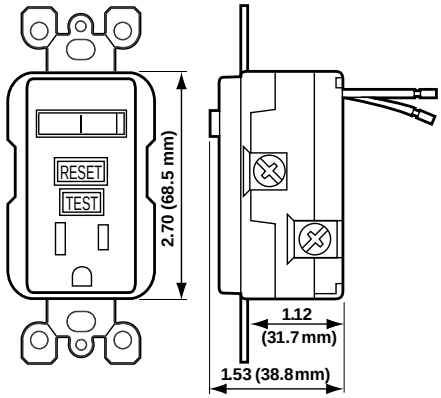
Combination Switch GFCI Outlet — Side Wired Switch 1000 WATTS 125V AC; Outlet 15 AMP 125V; Feed-Through 20 AMP 125V

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Mahogany
Single-Pole Switch & GFCI Protected Outlet	5299	I, W

All devices are UL Listed. Also CSA Certified except where indicated by★



COMMERCIAL GRADE GFCI RECEPTACLE
Cat No. 6599



COMBINATION SWITCH GFCI OUTLET
Cat No. 5299

8599-W IN 80301-W

Smart Lock™ GFCI with Lockout Action

Leviton's Innovative Patent-Pending GFCI Receptacle

- Automatically tests the GFCI every time the RESET button is pushed in. The GFCI will not reset if the GFCI circuit is not functioning properly for any reason

Ideal for a Wide Range of GFCI Applications

- Educational Facilities — Classrooms, bathrooms, laboratories, dormitory bathrooms and kitchens
- Airports — Public bathrooms, general use and maintenance areas
- Restaurants, Lodging and Retail Malls — Public bathrooms, general use and maintenance areas
- Residential — Kitchen, bathrooms, basements, outdoor receptacles and all locations where GFCI's are typically installed
- Public Areas — In any facility where GFCI receptacles are installed

Smart Lock™ GFCI Receptacles — Back and Side Wired

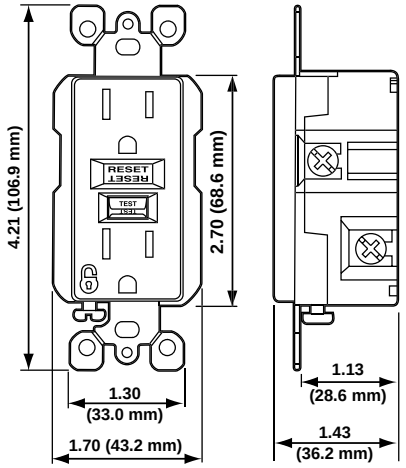
15 AMP 125V at Receptacle; 20 AMP 125V Feed-Through

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Duplex GFCI Receptacle with lockout action	8599	I, W, GY, A, E	5-15R

20 AMP 125V at Receptacle; 20 AMP 125V Feed-Through

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Duplex GFCI Receptacle with lockout action	8899	I, W, GY, A, E	5-20R

All devices are UL Listed.



SMART LOCK™ GFCI RECEPTACLE
Cat. No. 8599

SPECIFICATIONS & FEATURES

- TEST and RESET functions work together so that a tripped GFCI cannot be reset if GFCI circuit no longer provides ground fault protection
- RESET button is blocked if GFCI protection has been compromised, eliminating the possibility of end-users incorrectly assuming that a reset GFCI is providing ground fault protection when in actually is not
- Cannot be reset if neutral is not present. GFCI can still be tripped with TEST button under this condition
- Line-load diagnostic feature prevents GFCI from being reset and stops power from being fed through to downstream devices. This alerts installer to a line-load reversal. NOTE: Power will still be available to GFCI receptacle face in this condition and there will be no GFCI protection at the receptacle face
- Advanced electronics design provides superior resistance to electrical surges and over-voltages
- Patent-pending design manufactured and offered exclusively by Leviton
- Trip threshold meets or exceeds UL requirements for tripping time
- Impact-resistant thermoplastic cover and body
- Silver-alloy contacts
- Compatible with all Decora devices: available in selected Decora colors

TESTING & CODE COMPLIANCE

- UL Standard 943 Class A (GFCI) and 498 (Receptacles)
- UL Listed (File # 48380)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Black (-E), Almond (-A)

MATERIAL CHARACTERISTICS

Flammability: Rated V2

Operating Temperature: -30°F (-35°C) to 151°F (66°C)

Decora Lighting and Fan Speed Controls

Decora Lighting Controls combine sophisticated designer styling with state-of-the-art technology in a wide selection of incandescent, magnetic and electronic low-voltage and fluorescent lighting control products. Decora Fan speed Controls are conveniently grouped with lighting controls that share the same product name and design features. Leviton Decora Occupancy Sensors are also available for convenience and energy conservation.

Features and Benefits

- Provide full-range dimming in single pole, three-way, four-way and multi-location switching schemes
- Digital microprocessor state-of-the-art circuitry
- Styled for use with Decora wallplates and can be ganged with other Decora devices (Wallplates not included; must be ordered separately)
- All devices are UL Listed and CSA Certified
- Backed by a Limited Two-Year Warranty

"The Mural™ Collection" on pages A16–A19

Decora Lighting, Fan Speed & Occupancy Sensor Controls for Commercial & Residential Applications

Mural™ Scene Controller

Decora-style Controller sends commands for up to six distinct lighting scenes to individual Mural Scene-Capable Dimmers.

Cat. No. MN00C-1LW

Mural™

Decora rocker-style digital dimmer with LED brightness level indicators. Provides single-pole and multi-location dimming. Convenient color-change kits available.

Cat. No. MDI06-1LW

True Touch™

Decora-style digital touch dimmer. Provides fingertip full-range single-pole and multi-location dimming. Convenient color-change kits available.

Cat. No. TTI10-10W

TouchPoint™

Decora full-range multi-location touch dimmer responds to where finger is placed on pad. With Preset switch, LED locator, and LED brightness indicators.

Cat. No. TPI06-1LW

IllumaTech™

Fluid slide bar movement provides fine adjustment of lighting and fan speed levels. Preset version have large, easy-to-use pushbutton switch.

Cat. No. IPI06-1LW

SureSlide™

Smooth-action linear slide control for easy, precise operation. Slim design ideal for multi-gang installations. Preset and non-preset versions.

Cat. No. 6621-PW

Wall Switch Infrared Occupancy Sensor

180° field of view with coverage pattern of 2100 square feet. Advanced self-adjusting technology ensures maximum performance.

Cat. No. ODS15-IDW

Mural™ Scene Capable Decora-Style Digital Dimmer
120V AC 60Hz Only *Compatible with Scene Controller and Scene Enhancement Products — See page A17.*

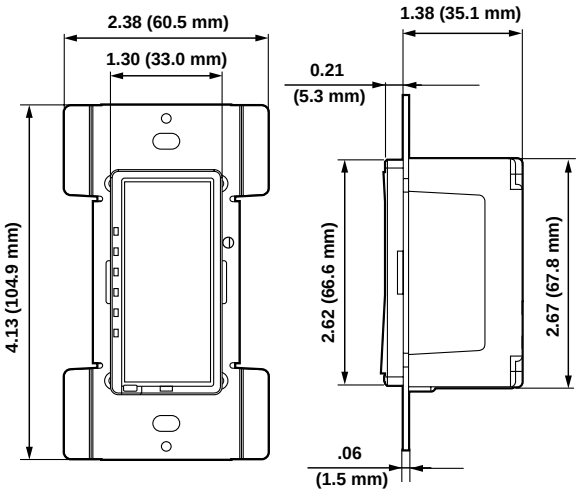
DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Scene Capable Incandescent Dimmer with LED Locator and LED Brightness Display	MCI10-1LW	1000W	I, W, G, E, A
Mural Scene Capable Magnetic Low-Voltage Dimmer with LED locator and LED Brightness Display	MCM10-1LW	1000VA (750W)	I, W, G, E, A
Mural Scene Capable Mark X Preset Dimmer for 120V AC Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	MCX10-1LW	1000VA (750W)	I, W, G, E, A
Scene Controller: 6 Lighting-Scene Buttons plus OFF and Group DIM and BRIGHT Buttons	MN00C-1LW	No load rating, use with Monet or Mural Scene Capable Dimmers Only	I, W, G, E, A
Color Change Kits for Mural Scene Capable Dimmer	DRKDD-1L	———	I, W, G, E, A
Color Change Kits for MN00C-1LW Scene Controller	DCK6S-00	———	I, W, G, E, A

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. Mural Scene Capable Digital Controls are designed for use with Scene Controller and Scene Enhancement products and are not compatible with the Multi-Remote unit.

All devices are UL Listed and CSA Certified.

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**



MURAL SCENE CAPABLE DIMMER
Cat. No. MCI10-1LW

MCI10-1LW in 80301-W

SPECIFICATIONS & FEATURES

- Responds to lighting level commands sent by the Cat. No. MN00C-1LW Scene Controller. Users can program the desired lighting level for individual Mural Scene Dimmers in up to six distinct lighting scenes, which are easily accessed by one or more Scene Controllers
- Smooth ON/OFF and Dim/Bright Decora rocker action provides ease of operation for people of all ages and abilities
- Scene Controller also provides an OFF button and two arrow-shaped buttons for group Dim and Bright control.
- Local Dim/Bright adjustment on individual scene dimmers will not effect programmed scene lighting settings
- Compatible with Scene Enhancement Products including Contact Closure Interface, Infrared Hand-Held Remote and Infrared Receiver, and one-way and two-way Signal Repeater
- Streamlined, popular Decora styling enhances any interior and adds a "family look" when ganged with any Decora device
- Digital circuitry provides SOFT-ON/FADE-OFF operation for an eye-pleasing effect and prolonged lamp life
- Square green LED display alongside rocker indicates selected brightness level
- Locator LED illuminates when lights are OFF
- Color change kits available in a wide range of choices, making it easy and economical to change decorating schemes
- Color change kits simplify inventory for distributors and contractors who can offer a complete range of colors without stocking a different device for each one
- Minimum Brightness Adjustment sets comfortable minimum light level
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- ON/OFF AC air-gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

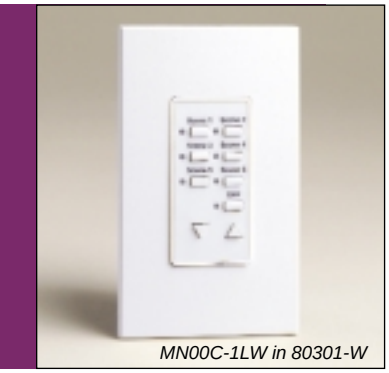
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F



MN00C-1LW in 80301-W

Scene Controller for Mural™ Scene Capable Lighting Controls

DESCRIPTION	CAT. NO.	RATING	COLOR*
Scene Controller: 6 Lighting-Scene Buttons plus and OFF and Group DIM BRIGHT Buttons	MN00C-1LW	No load rating, use with Monet/ Mural Scene dimmers only	White, for other colors use Color Change Kits
Color Change Kits for MN00C-1LW Scene Controller	DCK6S-00	———	I, W, G, E, A

Scene Enhancement Products — Compatible with Mural™ Scene Capable Lighting Controls

DESCRIPTION	CAT. NO.	RATING	COLOR*
Signal Repeater—Must be used if controlling lighting on more than one phase. One-Way and Two-Way versions available	17100-1WY, 17100-2WY	No load rating	(Non-color item)
Contact Closure Interface—Allows control of Mural Scene Capable devices from home theater and building control systems via momentary contact inputs	177BI	No load rating	(Non-color item)
Infrared Receiver—Available with Wall Mount and Ceiling Mount Bezels	177IR-IWA	No load rating	Supplied with Ivory, White and Almond bezels
Hand-Held Infrared Remote Control—With 4 Push-Button Keypad	177RC	No load rating	Black

Note: A Repeater must be used on any installation that uses more than one circuit.

SPECIFICATIONS & FEATURES

Scene Controller

- Sends commands for up to six distinct scenes to individual Mural Scene Capable Dimmers
- Multiple Scene Controllers can be used for multi-point access to scenes.
- Provides OFF button and two arrow-shaped buttons for group Dim and Bright control
- Local Dim/Bright adjustment on individual scene dimmers will not effect programmed scene settings.
- Green LED display for each scene button indicates selected scene
- Fast, easy scene programming: Press scene button on MN00C, adjust individual level on Mural Scene Capable dimmer, press program button on dimmer
- Controls up to 20 scene dimmers
- Streamlined, popular Decora styling enhances any interior and adds a "family look" when ganged with any Decora device
- Works with Monet, Decora Plus or any standard Decora wallplate
- Color change kits available in ivory, white, almond, gray, and black allow fast color changeover and simplify stocking inventory
- Internal MOV for surge protection
- Customized lettering for each scene button available (maximum of 8 characters and spaces) — see your Leviton representative for ordering information

Scene Enhancement Products

- Two-Way Repeater provides scene control communication link between branch circuits. One-Way Repeater allows the creation of separate scene control zones

TESTING & CODE COMPLIANCE

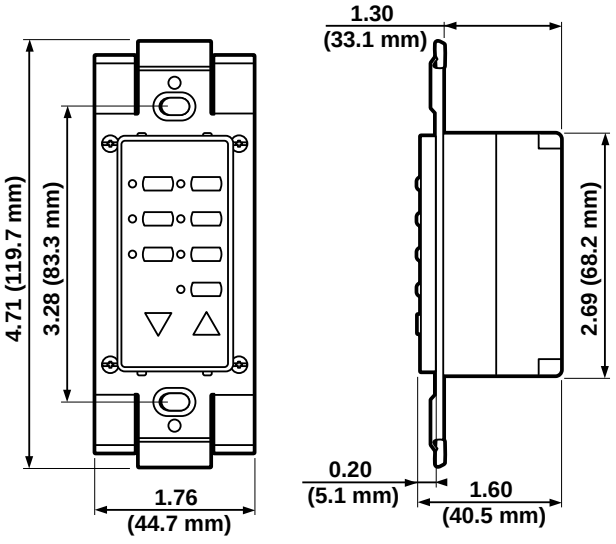
- UL Listed (File #E-31373 – Cat. Nos. MN00C-1LW and 177IR; File #E-66800 – Cat. Nos. 17100-1WY and 17100-2WY; File #E-600800 – Cat. No. 177BI)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F



MURAL SCENE CONTROLLER
Cat. No. MN00C-1LW

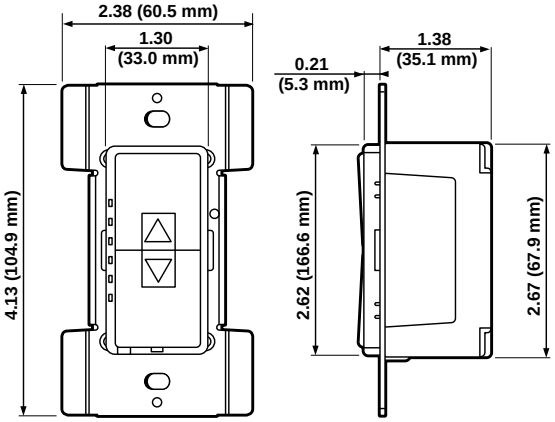
Mural™ L/S (Level Set) Decora-Style Preset Digital Dimmer

120V AC 60Hz Only *All Mural™ L/S dimmers provide single-pole (1 location) and 3-way (multi-location) control when used with Multi-Remote unit.*

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural L/S Incandescent Preset Dimmer with LED Locator and LED Brightness Display	MLI06-1LW	600W	I, W, G, E, A
Mural L/S Incandescent Preset Dimmer with LED Locator and LED Brightness Display	MLI10-1LW	1000W	I, W, G, E, A
Mural L/S Electronic Low-Voltage Preset Dimmer with LED Locator and LED Brightness Display	MLE04-1LW	400VA (300W)	I, W, A, G, E
Mural L/S Magnetic Low-Voltage Preset Dimmer with LED locator and LED Brightness Display	MLM06-1LW	600VA (450W)	I, W, G, E, A
Mural L/S Magnetic Low-Voltage Preset Dimmer with LED locator and LED Brightness Display	MLM10-1LW	1000VA (750W)	I, W, G, E, A
Mural L/S Incandescent Preset Dimmer with LED Locator (no LED brightness display)	MRI06-1LW	600W	I, W, A, G, E
Mural L/S Incandescent Preset Dimmer with LED Locator (no LED brightness display)	MRI10-1LW	1000W	I, W, A, G, E
Mural L/S Magnetic Low-Voltage Preset Dimmer with LED Locator (no LED brightness display)	MRM10-1LW	1000VA (750W)	I, W, A, G, E
Mural L/S Mark X Preset Dimmer for Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	MLX06-1LW	600VA (450W)	I, W, G, E, A
Multi-Remote Unit for Multi-Location Dimming (no LED locator or display)	MS00R-10W	No load rating	I, W, G, E, A
Multi-Remote Unit for MLE04-1LW (no LED locator or display)	MSE0R-10W	No load rating	I, W, A, G, E
Color Change Kits for Mural L/S Preset Dimmer	DLKDD-1L	———	I, W, G, E, A
Color Change Kits for Multi-Remote Units (no LED locator or display)	DRK0R-00	———	I, W, G, E, A
Color Change Kit for Mural MR Preset Dimmer	MRK0D-0L	No load rating	I, W, A, G, E

All devices are UL Listed and CSA Certified.

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.
Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.



ALL MURAL L/S (LEVEL SET) DIMMERS
Cat. No. MLI06-1LW Shown

MLI06-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Smooth Decora rocker-action for Preset ON/OFF switching with built-in arrow-shaped rocker for DIM/BRIGHT control
- Arrow rocker allows user to set brightness level when lights are off
- Second tap on top half of rocker for full bright. Gently double tap bottom half of rocker for fast OFF
- Easy to operate for people of all ages and abilities
- Provides single-pole (one-location) and multi-location full range dimming when used with Multi-Remote units
- Streamlined, popular Decora styling enhances any interior and adds a "family look" when ganged with any Decora device
- Digital circuitry provides SOFT-ON/FADE-OFF operation for an eye-pleasing effect and prolonged lamp life
- Square green LED display alongside rocker indicates selected brightness level on ML models
- Locator LED illuminates when lights are OFF
- Color change kits available in a wide range of choices, making it easy and economical to change decorating schemes
- Color change kits simplify inventory for distributors and contractors who can offer a complete range of colors without stocking a different device for each one
- Minimum brightness adjustment sets comfortable minimum light level on ML models
- Protected memory and voltage compensation maintain light levels after short-term power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- ON/OFF AC air-gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

MDI10-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Provides single-pole (one-location) and multi-location full range dimming when used with MS00R remote unit
- Streamlined popular Decora styling enhances any interior and adds a family look when ganged with other Decora devices
- Smooth ON/OFF and DIM/BRIGHT Decora rocker action provides ease of operation for people of all ages and abilities
- Digital circuitry provides Soft-ON/Fade-OFF switching for and eye-pleasing effect and extended lamp life
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED illuminated when lights are OFF
- Color change kits available in a wide range of choices, making it easy and economical to change decorating schemes
- Color change kits simplify inventory for distributors and contractors who can offer a complete range of colors without stocking a different device for each one
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- Square green LED display alongside rocker indicates selected brightness level on MD models
- Built-in radio/TV interference filter
- ON/OFF AC air gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Mural™ Decora-Style Digital Dimmer 120V AC 60Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Incandescent Dimmer with LED locator	MSI06-1LW	600W	I, W, A, G, E
Mural Incandescent Dimmer with LED Locator and LED Brightness Display	MDI06-1LW	600W	I, W, A, G, E
Mural Incandescent Dimmer with LED locator and LED Brightness Display	MDI10-1LW	1000W	I, W, A, G, E
Mural Magnetic Low-Voltage Dimmer with LED locator and LED Brightness Display	MDM06-1LW	600VA (450W)	I, W, A, G, E
Mural Magnetic Low-Voltage Dimmer with LED locator and LED Brightness Display	MDM10-1LW	1000VA (750W)	I, W, A, G, E
Mural Electronic Low-Voltage Dimmer with LED locator and LED Brightness Display	MDE04-1LW	400VA (300W)	I, W, A, G, E
Multi-Remote Unit for Multi-Location Dimming (no LED locator or display)	MS00R-10W	No load rating	I, W, A, G, E
Multi-Remote Unit for MDE04-1LW (no LED locator or display)	MSE0R-10W	No load rating	I, W, A, G, E

All devices are UL Listed and CSA Certified.

Mural™ Decora-Style Digital Dimmer 220V AC 50Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Incandescent Dimmer	MDI10-2LW	1000W	I, W, G, E, A
Mural Magnetic Low-Voltage Dimmer	MDM10-2LW	1000VA (750W)	I, W, G, E, A
Multi-Remote unit for Multi-Location Dimming (no LED locator or display)	MS00R-20W	No load rating —for use with Mural 220V dimmers	I, W, G, E, A

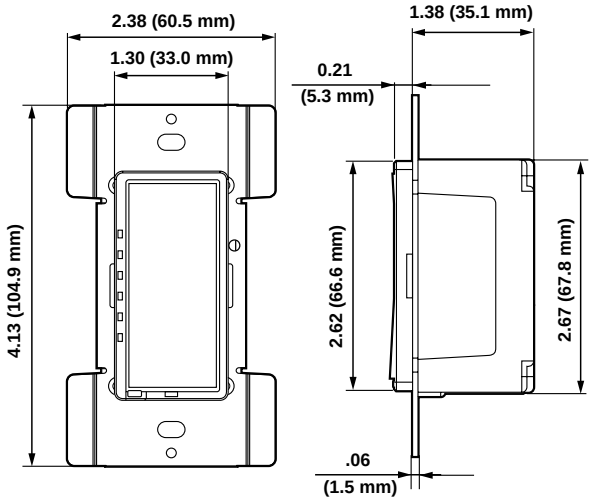
Note: 220V devices are **not** UL Listed or CSA Certified.

Products for Mural™ Dimmers (120V and 220V)

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Color Change Kits for Dimmers with LED locator and LED Brightness Display	DRKDD-1L	——	I, W, A, G, E
Mural Color Change Kits for Dimmers with LED Locator (no brightness display)	DRK0D-1L	——	I, W, A, G, E
Color Change Kits for Multi-Remote Units (no LED locator or display)	DRK0R-00	——	I, W, A, G, E

All devices are UL Listed and CSA Certified.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.



MURAL DECORA-STYLE DIMMER
Cat. No. MDI10-1LW

TouchPoint™ Decora Preset Digital Touch-Pad Dimmer 120V 60Hz AC Only

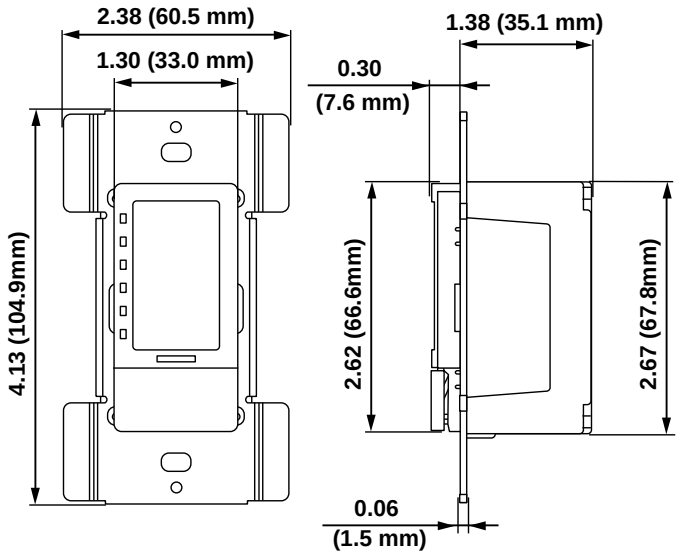
DESCRIPTION	CAT. NO.	RATING	COLOR*
TouchPoint Incandescent	TPI06-1L	600W	W, I, A, G, E
TouchPoint Incandescent	TPI10-1L	1000W	W, I, A, G, E
TouchPoint Magnetic Low-Voltage	TPM06-1L	600VA (450W)	W, I, A, G, E
TouchPoint Magnetic Low-Voltage	TPM10-1L	1000VA (750W)	W, I, A, G, E
TouchPoint Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	TPX06-1L	600VA (450W)	W, I, A, G, E
TouchPoint Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	TPX10-1L	1000VA (750W)	W, I, A, G, E
Multi-Remote Unit for Multi-Location Dimming (no LED locator or display)	MS00R-10W	No load rating	White, for other colors use Color Change Kits
Color Change Kits for Multi-Remote Units (no LED locator or display)	DRK0R-00	———	I, W, G, E, A

All devices are UL Listed and CSA Certified.

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.
Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.

TPI10-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**



TOUCHPOINT DECORA PRESET DIGITAL TOUCH DIMMER
Cat. No. TPI10-1LW

SPECIFICATIONS & FEATURES

- New advanced digital touch pad technology provides full range dimming by responding to where your finger is placed on the pad
- Provides single-pole (one-location) and multi-location full range dimming when used with MS00R remote unit
- Attractive Decora styling blends with any interior
- Digital circuitry provides Soft-ON/Fade-OFF switching for and eye-pleasing effect and extended lamp life
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF (no LED on Remote Unit)
- Easy-to-read LED display alongside touch pad indicates selected brightness level
- Minimum Brightness Adjustment sets comfortable minimum light level
- Protected memory maintains light levels after power outages and during minor power fluctuations
- Built-in radio/TV interference filter

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Add suffix to catalog number as follows for other colors: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

TTI10-10W in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

True Touch™ Decora Digital Touch Dimmer 120V 60Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Incandescent Touch Dimmer, Single-Pole Only	6606-W	600W	I, W, A, AI, AW, AGY, AE
True Touch Incandescent	TTI06-10W	600W	I, W, A, WS, GI, GY, E, BG
True Touch Incandescent	TTI10-10W	1000W	I, W, A, WS, GI, GY, E, BG
True Touch Magnetic Low-Voltage	TTM06-10W	600VA (450W)	I, W, A, WS, GI, GY, E, BG
True Touch Magnetic Low-Voltage	TTM10-10W	1000VA (750W)	I, W, A, WS, GI, GY, E, BG
True Touch Remote Unit	TT00R-10W	No load rating	I, W, A, WS, GI, GY, E, BG
True Touch Dimmer Color Change Kit	TTKIT	———	I, W, A, WS, GI, GY, E, BG
True Touch Remote Unit Color Change Kit	TTKTR	———	I, W, A, WS, GI, GY, E, BG

All devices are UL Listed and CSA Certified.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.

SPECIFICATIONS & FEATURES

- Provides fingertip ease of use and precise adjustment of lighting levels. Simple one-touch for ON at Preset level, or again for OFF. Touch and hold for BRIGHT/DIM lighting control
- Provides single-pole (one-location) and multi-location full range dimming when used with TT00R remote unit
- Cat. No. 6606 Decora Touch Dimmer is available for single-pole applications only (no soft-ON/Fade-OFF or multi-location features)
- Attractive Decora styling blends with any interior
- Digital circuitry provides Soft-ON/Fade-OFF switching for and eye-pleasing effect and extended lamp life
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF (no LED on Remote Unit)
- Color change kits offered in a wide range of colors, making it easy and economical to change decorating schemes
- Minimum Brightness Adjustment sets comfort-able minimum light level
- Protected memory maintains light levels after power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- ON/OFF AC air gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

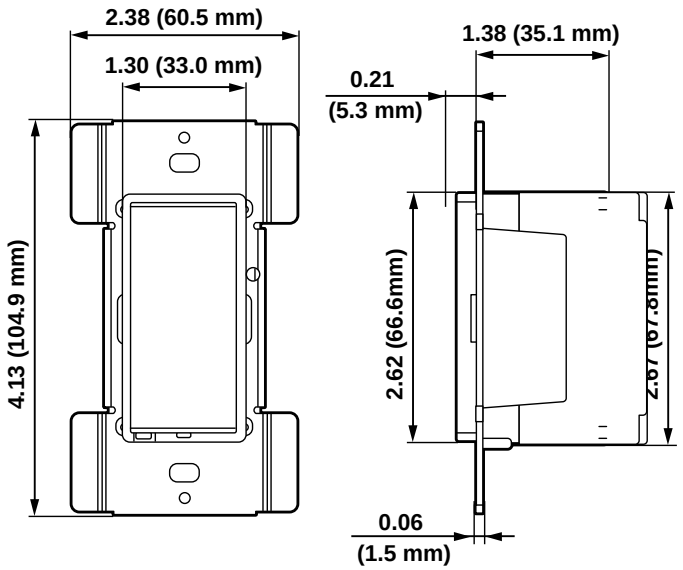
- UL Listed (File #E-31373
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Cat. No. 6606 available in Brown/Gold (no dash), Ivory/Gold, White/Silver and White/Gold. For all other True Touch dimmers, basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-GY), Black (-E), Almond (-A), White frame/Silver touch plate (-WS), Ivory frame/Gold touch plate (-GI), and Brown frame/Gold touch plate (-BG).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F



TRUE TOUCH DECORA DIGITAL TOUCH DIMMER
Cat. No. TTI10-10W

IllumaTech™ Preset Slide Controls — Single Pole and 3-Way, with LED Locator *All IllumaTech Preset Dimmers provide single-pole (one location) and 3-way (multi-location) control when used with a 3-way switch.*

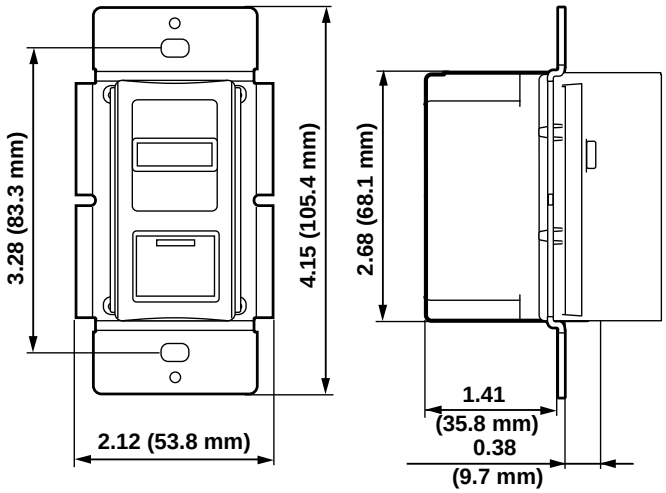
DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
IllumaTech Incandescent	IPI06-1LW	600W-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Incandescent (no LED locator)	IPI06-10W	600W-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Incandescent	IPI10-1LW	1000W-120V	W, I, A, G, E, B
IllumaTech Electronic Low-Voltage	IPE04-1LW	400VA (300W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	IPM06-1LW	600VA (450W)-120V AC 60 Hz	W, I, A, G, E,B
IllumaTech Magnetic Low-Voltage	IPM10-1LW	1000VA (750W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Advance Mark X™/PhilipsEcotron™ Fluorescent Dimming Ballast	IPX06-1LW	600VA (450W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Advance Mark X™/PhilipsEcotron™ Fluorescent Dimming Ballast	IPX10-1LW	1000VA (750W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	IPX12-7LW	1200VA (900W) 277V AC	W, I, A, G, E, B
IllumaTech Quiet Fan Speed Control	IPF01-1LW	1.5 Amps-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Fan Speed Control	IPF05-1LW	5 Amps-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Color Change Kit	IPKIT-00W	——	W, I, A, G, E, B
IllumaTech Color Change Kit for Quiet Fan Speed Control	IPQFK-00W	——	W, I, A, G, E, B

IllumaTech™ Preset Slide Controls— Single Pole and 3-Way, with LED Locator 220V AC 50Hz Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
IIIllumaTech Incandescent	IPI06-2LW	600W	W, I, A, G, E, B
IllumaTech Incandescent	IPI10-2LW	1000W	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	IPM06-2LW	600VA (450W)	W, I, A, G, E, B
IllumaTech Quiet Fan Speed Control	IPF01-2LW	1.5 Amps	W, I, A, G, E, B

Note: 220V devices are not UL Listed or CSA Certified

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.



ILLUMATECH PRESET SLIDE DIMMER
Cat. No. IPI06-1LW

IPI06-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Fluid slide movement allows fine adjustment of light level with minimum effort
- Captured, wrap-around slide bar stays in place and cannot fall off during use
- Preset versions provide easy-to-use pushbutton switch with locator LED conveniently positioned on it, making the pushbutton easier to find in the dark
- Preset versions provide single-pole (one-location) and multi-location lighting control when used with a 3-way switch
- Attractive Decora styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF. LED is positioned in the same location on both Preset and Non-Preset Preset versions, giving a true "family look" to IllumaTech
- Power failure recovery ensures retention of last setting before power interruption
- Built-in radio/TV interference filter
- Quiet 1.5 Amp Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5-amp fan speed controls also available
- Color change kits feature a self-aligning mechanism that automatically connects it to internal slider
- Snap-On Color Change Kits allow color changes on any device, eliminating the need to stock a separate device for every available color

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), Almond (-A), and Brown (-B).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

INI06-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Fluid slide movement allows fine adjustment of light level with minimum effort
- Captured, wrap-around slide bar stays in place and cannot fall off during use
- Attractive Decora styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF. LED is positioned in the same location on both Preset and Non-Preset Preset versions, giving a true "family look" to IllumaTech
- Power failure recovery ensures retention of last setting before power interruption
- Built-in radio/TV interference filter
- Quiet 1.5 Amp Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5-amp fan speed controls also available
- Color change kits feature a self-aligning mechanism that automatically connects it to internal slider
- Snap-On Color Change Kits allow color changes on any device, eliminating the need to stock a separate device for every available color

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), Almond (-A), and Brown (-B).

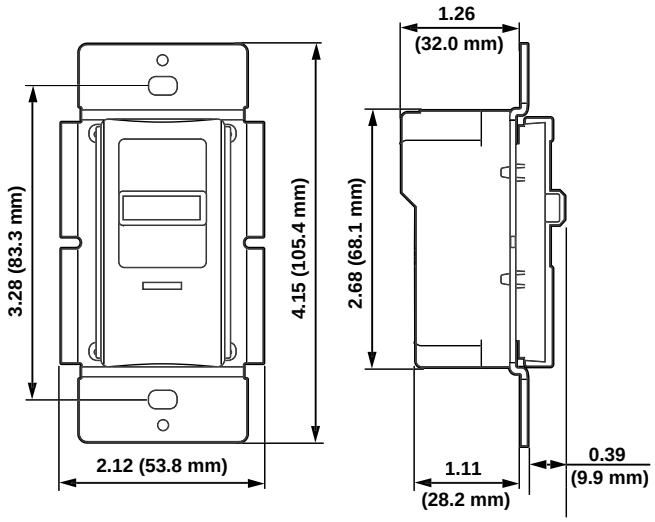
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

IllumaTech™ Non-Preset Slide Dimmers — Single-Pole Only, with LED Locator 120V 60 Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
IllumaTech Incandescent	INI06-1LW	600W	W, I, A, G, E, B
IllumaTech Incandescent (no LED locator)	INI06-10W	600W	W, I, A, G, E, B
IllumaTech Incandescent	INI10-1LW	1000W	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	INM06-1LW	600VA (450W)	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	INM10-1LW	1000VA (750W)	W, I, A, G, E, B
IllumaTech Quiet Fan Speed Control	INF01-1LW	1.5 Amps	W, I, A, G, E, B
IllumaTech Fan Speed Control	INF05-1LW	5 Amps	W, I, A, G, E, B
IllumaTech Color Change Kit	INKIT-00W	———	W, I, A, G, E, B
IllumaTech Color Change Kit for Quiet Fan Speed Control	INQFK-00W	———	W, I, A, G, E, B

All devices are UL Listed and CSA Certified.



ILLUMATECH NON-PRESET SLIDE DIMMER
CAT. NO. INI06-1LW

SureSlide™ Decora Full Range Slide Dimmers 120V 60Hz AC Only

Incandescent

DESCRIPTION	CAT. NO.	RATING	COLOR* *Basic Cat. No. Denotes Brown*
SureSlide Single-Pole	6621	600W	I, W, GY, A
SureSlide Single-Pole with Preset ON/OFF Switch	6621-P	600W	I, W, GY, E, A
SureSlide Single-Pole Illuminated	6631	600W	I, W
SureSlide Single-Pole Illuminated, with Preset ON/OFF Switch	6631-P	600W	I, W
SureSlide 3-Way with Preset ON/OFF Switch	6623-P	600W	I, W, GY, E, A
SureSlide 3-Way Illuminated, with Preset ON/OFF Switch	6633-P	600W	I, W
SureSlide Dual Slide Dimmer—(2) Single-Pole Loads, Incandescent or Magnetic Low-Voltage	6628	300W or 300VA per circuit; 600W/600VA Total	I, W, A, GY (No Brown)

Magnetic Low-Voltage

SureSlide Single-Pole with Preset ON/OFF Switch	6611-P	600VA (450W)	I, W, GY, E, A
SureSlide 3-Way with Preset ON/OFF Switch	6613-P	600VA (450W)	I, W, GY, E, A

Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballasts

SureSlide Single-Pole and 3-Way with Preset ON/OFF Switch	6667-31	500W 120V	White Only
SureSlide Single-Pole and 3-Way with Preset ON/OFF Switch	6667-37	500W 277V	White Only

Advance Mark X/Philips Ecotron/ Philips Dimmable Earthlight®

SureSlide Single-Pole	6668-1	500W 120V Mark X and Ecotron, 350W 120V Philips dimmable Earthlight	I, W (No Brown)

Full-Range Fan Speed Controls

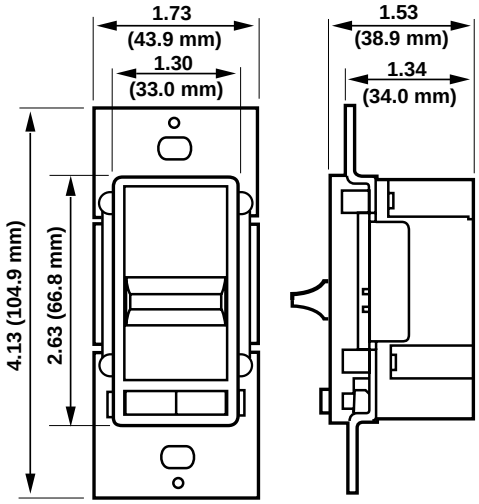
SureSlide Single-Pole	6627	5 Amps	I, W
SureSlide Single-Pole with Preset ON/OFF	6627-P	5 Amps	I, W, A, G, E
SureSlide 3-Way with Preset ON/OFF	6637-P	5 Amps	I, W, A, G, E

Quiet Step Fan Speed Controls

Brown Not Available

SureSlide Single-Pole Quiet Step	6629-P	1.5 Amps	I, W, A, GY
SureSlide 3-way Quiet Step	6629-3	1.5 Amps	I, W, A, GY
SureSlide Dual Quiet Fan Speed and Fixture Dimmer	6630	1.5A Fan/ 300W Fixture	I, W, A, GY

All devices are UL Listed and CSA Certified.



SURESLIDE PRESET DIMMER
Cat. No. 6621-P

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

6621-PW

6667-31

SPECIFICATIONS & FEATURES

- All SureSlide devices have a permanently mounted smooth-action integrated linear slide control for easy, precise operation
- SureSlide features a slim, compact housing that fits easily into a standard wallbox and is suitable for multi-gang installations
- Preset versions provide single-pole (one-location) and multi-location lighting control when used with a 3-way switch
- SureSlide's attractive Decora styling coordinates perfectly with Leviton's complete line of Decora wiring devices
- Compatible with Decora screwless and Decora standard designer wallplates
- Built-in radio/TV interference filter
- Quiet 1.5 Amp Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5-amp fan speed controls also available
- SureSlide Cat. No. 6668 is specially designed to work with the Philips Dimmable Earthlight®
- Preset versions provide a low-end trim adjustment for precise lamp brightness and fan speed at the low-end settings

TESTING & CODE COMPLIANCE

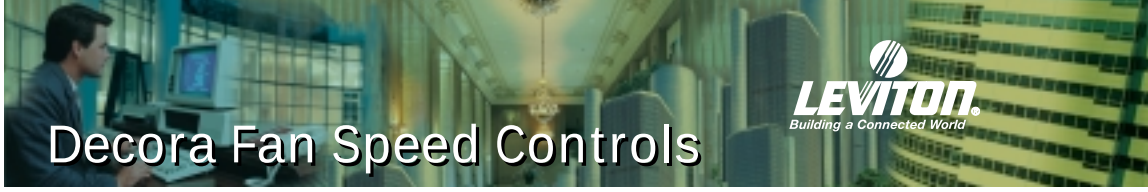
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

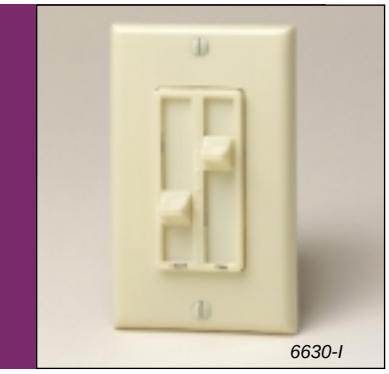
*COLOR

Basic Cat. No. denotes Brown unless otherwise stated. Add suffix to catalog number as follows for other colors: Ivory (-I), White (-W), Gray (-GY or G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F




6630-I

6620-DW

SureSlide™ Quiet Fan Speed Controls

1.5 AMP 120V 60Hz AC Only

DESCRIPTION	CAT. NO.	COLOR*
Single-Pole Decora Quiet Step Fan Speed Control (1.5A @ 120V) with Preset LOW/MED/HI Settings	6629	I, W, GY, A
3-Way Decora Quiet Step Fan Speed Control (1.5A @ 120V) with Preset LOW/MED/HI Settings	6629-3	I, W, GY, A
Dual Slide Decora Quiet Step Fan Speed and Fixture Dimmer Control (Fan Control–1.5A, Fixture Control–300W)	6630	I, W, GY, A

Decora-Styled Rotary Fan Speed Controls

DESCRIPTION	CAT. NO.	COLOR*
Decora Wall Mount Fan Speed Control with Full Range Dimmer Speed Control: 2.5A 120V AC Dimmer: 300W 120V AC	6617-X	I, W
Decora Quiet Wall Mount Speed Control 1.5A 120V 60Hz AC Only	6619-D	I, W
Decora Quiet Fan Speed Control with Dimmer Speed Control: 1.5A 120V AC Dimmer: 300W 120V AC	6620-D	I, W

All devices are UL Listed and CSA Certified.
For IllumaTech™ Decora Quiet Fan Speed controls, see pages A22–A23.

SPECIFICATIONS & FEATURES

- All Quiet Fan Speed Controls have special circuitry to reduce fan motor noise at low speeds
- Quiet Step Fan Speed Controls feature LOW, MED, HI and OFF settings
- Can control multiple fans with a single fan speed control provided its amperage rating is not exceeded
- For use with split capacitor or shaded pole motors only
- When ganging dimming and/or fan speed controls, derating is required
- Elegant Decora styling permits ganging with other Decora devices
- Models with preset ON/OFF switch can be maintained at any preset speed level
- Fit standard wall boxes
- May require additional wiring if replacing standard switches for proper fan operation
- Matching wallplate included with Decora-styled units

TESTING & CODE COMPLIANCE

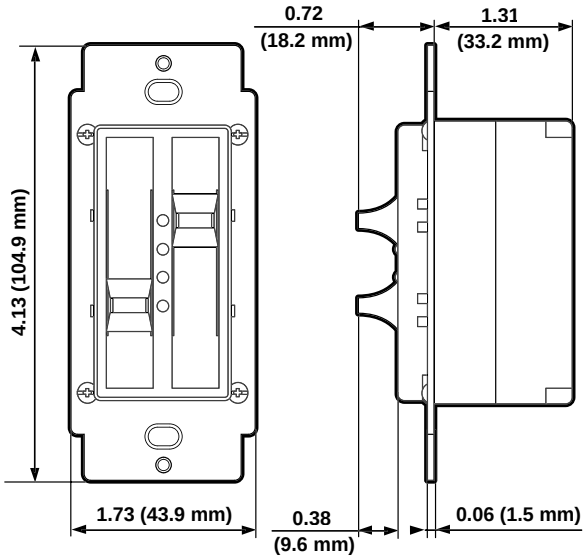
- UL Listed (File #E-54101 – Cat. No. 6629; File #E-123566 – Cat. Nos. 6617, 6619, 6620, 6630)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Gray (-GY), Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C



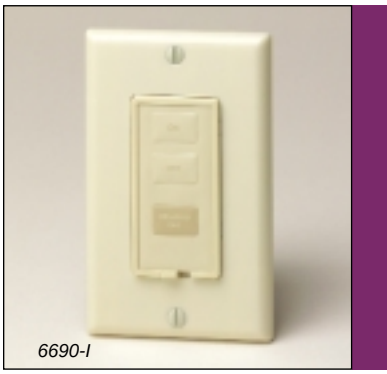
DECORA QUIET STEP FAN SPEED CONTROL AND FIXTURE DIMMER
Cat. No. 6630

Decora Plus Electronic Timer Switches

Leviton Timers add contemporary styling to any commercial or residential application. Built to the highest performance standards, Decora Electronic Timers provide long-lasting trouble-free service life.

Four Preset buttons plus an OFF button permit timed control of lights and appliances. Decora Plus Timers are ideal for heat lamps, foyer and outdoor lights, hot tubs, spas, attic and exhaust fans. LED's indicate elapsed time and flash "Two Minutes Until OFF" warning.

6515M-W


6690-I

COMMERCIAL SPECIFICATION GRADE

Electronic Timer Switches 120V AC 60Hz

DESCRIPTION	CAT. NO.	INTERVAL	COLOR
Four Preset Buttons & OFF	6215M	2-5-10-15 Minutes	I, W, A
3-Wire, Single-Pole (Neutral Required)	6230M	5-10-15-30 Minutes	I, W, A
1000W Incandescent, 20A Inductive	6260M	10-20-30-60 Minutes	I, W, A
1 HP @ 120V	6212H	2-4-8-12 Hours	I, W, A

RESI RESIDENTIAL GRADE

Electronic Timer Switches 120V AC 60Hz

DESCRIPTION	CAT. NO.	INTERVAL	COLOR
Four Preset Buttons & OFF	6515M	2-5-10-15 Minutes	I, W, A
2-Wire, Single-Pole	6530M	5-10-15-30 Minutes	I, W, A
500W Incandescent Only	6560M	10-20-30-60 Minutes	I, W, A
	6512H	2-4-8-12 Hours	I, W, A

RESI RESIDENTIAL GRADE

Time Delay Switch (Incandescent Only) 300 WATT 120V AC

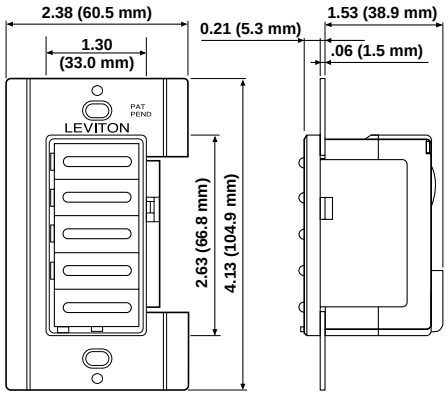
DESCRIPTION	CAT. NO.	COLOR
Single Pole, Five Minute Delayed OFF Switch	6690	I, W

Four-Level Step Dimmer

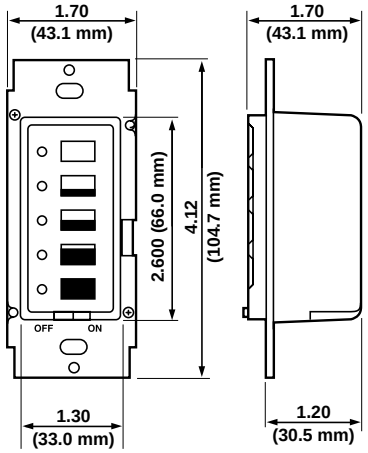
500 WATTS 120V 60Hz AC Incandescent Only

DESCRIPTION	CAT. NO.	COLOR*
Four-Level Step Dimmer	6161	I, W, A

All devices are UL Listed and CSA Certified.



THESE DIMENSIONS APPLY TO ALL ELECTRONIC TIMER SWITCHES ON THIS PAGE



FOUR-LEVEL STEP DIMMER
Cat. No. 6161

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

SPECIFICATIONS & FEATURES

- Electronic Timer Switch has four preset buttons plus OFF for timed control of lights and appliances.
- Electronic Timer Switch LED's indicate time elapsed and last LED flashes two minutes until OFF warning
- Press OFF button on Time Delay Switch — lights remain ON for 5 minutes before switching OFF
- All install easily in single gang wallbox in place of standard switch
- Electronic keypad control
- Matching wallplate included

Four-Level Step Dimmer

- Eliminates guesswork — user selects one of four preset lighting levels (25%, 50%, 75%, 100%)
- Easily installs in place of single pole switch
- LED indicates selected level of brightness
- Sleek designer styling; can be ganged with other Decora devices
- Matching wallplate included

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800—Cat. Nos. 6515M, 6530M, 6560M, 6512H, 6215M, 6230M, 6260M, 6212H; File #E-7458—Cat. No. 6690)
- CSA Certified (File #LR-68679—Cat. Nos. 6515M, 6530M, 6560M, 6512H, 6215M, 6230M, 6260M, 6212H; File #LR-67309—Cat. No. 6690)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Colors available as listed. For color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS

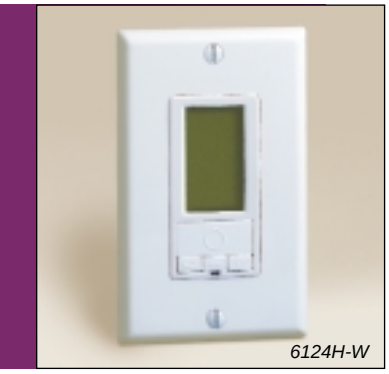
Environmental: Flammability UL-94, V2 Rating

Operating Temperature: 32°F to 130°F

RESI RESIDENTIAL GRADE

DECORA PLUS Programmable Electronic Timers

LEVITON Building a Connected World


6124H-W

6651-W

24-Hour Programmable Electronic Timer Switch

DESCRIPTION	CAT. NO.	INTERVAL	COLOR
24-Hour LCD Programmable Timer Switch 1200W Incandescent, 1200VA Inductive @ 120V AC 60Hz Motor: 1 HP @ 120V AC 60Hz UL, ¾ HP @ 120V AC 60Hz CSA Neutral Connection Required Compatible with electronic ballasts	6124H	24-Hour ON/OFF scheduling in 30 minute intervals	I, W, A

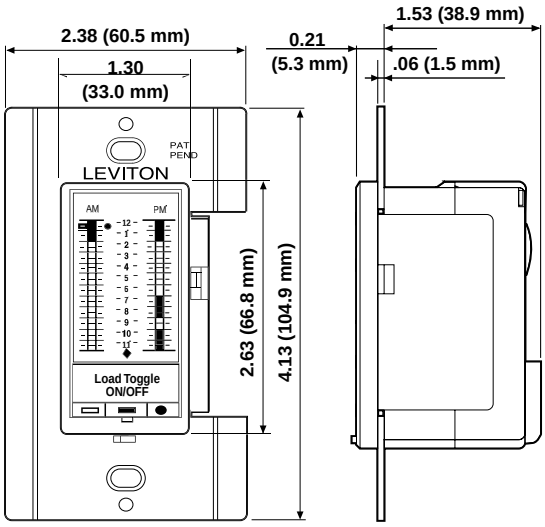
14-Hour Programmable Electronic Timer Switch

DESCRIPTION	CAT. NO.	INTERVAL	COLOR
14-Hour Segment Programmable Timer Switch 40W min, 500W max. @ 120V AC 60Hz, Incandescent only Neutral Not Required.	6651	14-Hour ON/OFF scheduling in hourly intervals	I, W, A

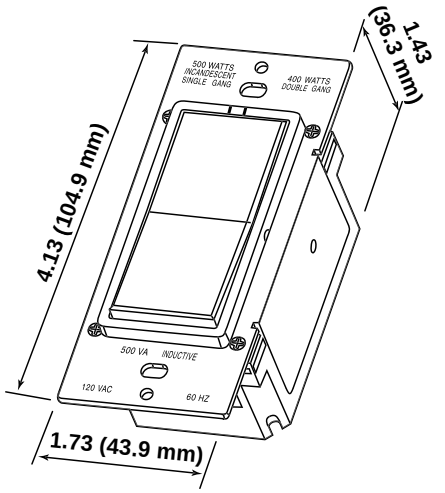
Variable Countdown Timer Switch

DESCRIPTION	CAT. NO.	INTERVAL	COLOR
Rotary-Dial Variable Countdown Timer Switch 500W Incandescent, 500VA Inductive 1/6 HP @ 120 AC 60Hz Neutral Connection Required	6652	1 minute to 18 hours	I, W, A

All devices are UL Listed and CSA Certified.



PROGRAMMABLE ELECTRONIC TIMER SWITCH
Cat. No. 6124H



PROGRAMMABLE ELECTRONIC TIMER SWITCH
VARIABLE COUNTDOWN TIMER
Cat. Nos. 6651 and 6652

SPECIFICATIONS & FEATURES

24-Hour Programmable Timer

- Ideal for a wide variety of commercial and residential applications including outdoor lighting, pools, motors, sprinklers, exhaust and attic fans, bathroom heat lamps, hot tubs and spas, whole-house exhaust fan scheduling, office lights, janitor closets, landscape and security lighting
- Permits separate ON or OFF scheduling for half-hour periods of the day; ON/OFF manual control available by using button below display panel
- Decora styling enhances any interior (NOTE: 6124H cannot be used with Decora Plus Screwless Snap-On Wallplates)

14-Hour Programmable Timer

- Ideal for residential incandescent lighting control including indoor, outdoor and seasonal lighting
- "Set-it-and-forget convenience" provides automatic daily control with manual override
- Automates daily switching program (up to 14 hours) by responding to DIP switch ON or OFF position for each hour; repeats until function switch is moved to Manual or OFF mode

Countdown Timer Switch

- For residential and light commercial applications including indoor and outdoor lighting, office lights and ceiling paddle fans
- Simple rotary-dial time selection of settings from 1 minute to 18 hours
- An illuminated LED indicates load is ON. Blinking LED accompanied by annunciator sound indicates end of time cycle

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-68679)
- Backed by a Limited Two-Year warranty

*COLOR

Colors available as listed. For color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Decora® Wall Switch Infrared Occupancy Sensor (Incandescent or Fluorescent)

DESCRIPTION	CAT. NO.	RATING	COLOR
Decora Wall Switch Infrared Occupancy Sensor	ODS15-ID (formerly 6768)	Fluorescent: 1800VA @ 120V, 4000VA @ 277V. Incandescent: 1800W @ 120V. Motor: 1/4 HP @ 120V	I, W, G, A
Decora Wall Switch Infrared Occupancy Sensor	ODS10-ID (formerly 16775)	Incandescent: 800W @ 120V, Fluorescent: 1200VA @ 120V, 2700VA @ 277V. For 60 Hz AC only. Motor: 1/4 HP @ 120V	I, W, G, A

Dual-Relay Decora® Wall Switch Infrared Occupancy Sensor

DESCRIPTION	CAT. NO.	PHOTOCELL CONTROL OPTIONS PER RELAY	RATING	COLOR
Dual-Relay Decora Wall Switch Infrared Occupancy Sensor	ODS0D-ID (formerly 6772)	Default Setting: Conference Room Mode Both Primary.and Secondary Relays respond to Ambient Light Override. Alternate Setting: Classroom Mode Primary Relay only responds to Ambient Light Override.	Primary Relay: Fluorescent: 1200VA @ 120V, 2700VA @ 277V Incandescent: 800W @ 120V. Secondary Relay: Fluorescent: 800VA @ 120V, 1200VA 277V. Incandescent: 800W @ 120V	I, W, G, A

GP GENERAL PURPOSE GRADE

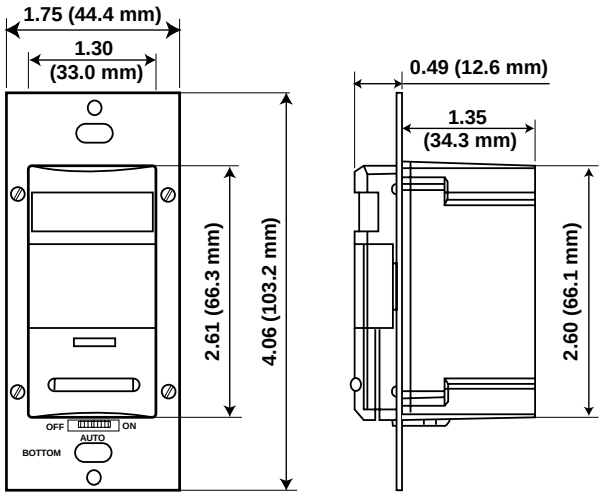
Motion-Activated Wall Switch Lighting Control

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-Pole & 3-Way 180° Motion Activated Light Control (PIR)	6800	Incandescent: 500W, Fluorescent: 500VA @ 120V AC, 60 Hz. Motor: 1/6 HP, 120V AC	I, W, A

Decora® Infrared Wall Switch Occupancy Sensors

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-Pole Motion Activated Light Control, 150° Field-of-View	6791	Incandescent: 500W Fluorescent: 400VA @ 120V AC	I, W
3-Way Motion Activated Light Control, 150° Field-of-View	6793	Incandescent: 500W Fluorescent: 400VA @ 120V AC	I, W
Single-Pole Motion Activated Light Control, 110° Field-of-View	6780	Incandescent: 300W @ 120V AC	I, W

All devices are UL Listed and CSA Certified.



Cat. No. ODS15-ID

SPECIFICATIONS & FEATURES

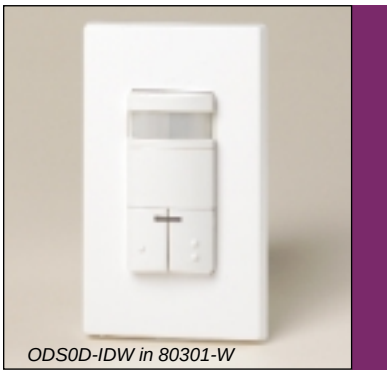
Decora Wall Switch Infrared Occupancy Sensor (ODS15-ID)

- For use in small offices, conference rooms, class rooms, stock rooms, lounges, restrooms, warehouses & commercial areas
- Exclusive automatic "Walk-Through" sensing increases energy savings by shutting lights within 2½ minutes after momentary occupancy
- Self-adjusting delayed OFF-time interval compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- 180° field of view, 2100 sq. ft. of coverage

Dual-Relay Decora Wall Switch Infrared Occupancy Sensor (ODS0D-ID)

- Ideal for class rooms and conference rooms
- Exclusive automatic "Walk-Through" sensing
- Provides automatic switching for 2 separate banks of fluorescent, incandescent, or low-voltage lighting from a single unit

ODS15-IDW in 80301-W



ODS0D-IDW in 80301-W

- Self-adjusting delayed OFF-time interval compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- 180° field of view, 2100 sq. ft. of coverage
- Ambient light override prevents these devices from switching lights ON when there is ample natural sunlight
- Push-button manual override is used to turn lights ON at any time, regardless of the override setting

Wall Switch Infrared Occupancy Sensor (ODS10-ID)

- For use in enclosed offices, storage rooms, copier rooms & closets
- One unit can be used for 120V or 277VAC 60Hz incandescent, low-voltage and fluorescent lighting with either magnetic or electronic ballasts, and motor loads.
- 180° field of view
- Fits in standard wallbox; gangable
- Delayed-off time setting (30 seconds – 30 minutes)
- Elegant Decora styling; uses Decora wallplate

TESTING & CODE COMPLIANCE

- UL Listed (File #E-118904)
- Cat. No. ODS0D-ID is CUL/US Certified
- CSA Certified (File #LR-91148M)
- NOM Certified (#057)
- Conforms to California Title 24 Energy Code
- Backed by a Limited Five-Year Warranty

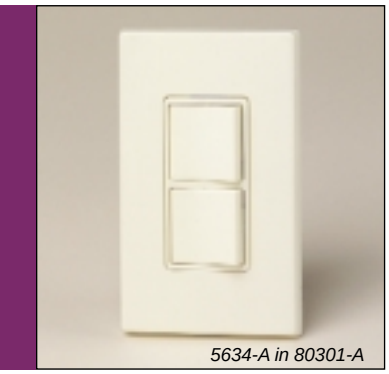
COLOR

Colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-G), Almond (-A).

MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 50°C
Storage Temperature: -10°C to 85°C
Relative Humidity: 20% to 90% non-condensing

5625-W in 80301-W



5634-A in 80301-A

SPECIFICATIONS & FEATURES

- Elegant Decora styling provides multiple control in a single-gang wallbox
- All devices have grounding screw
- Fit standard wall boxes

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A), Gray (-GY).

HORSE POWER

15A Switch
½ @120V
2 @240V

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Decora® Combination Devices

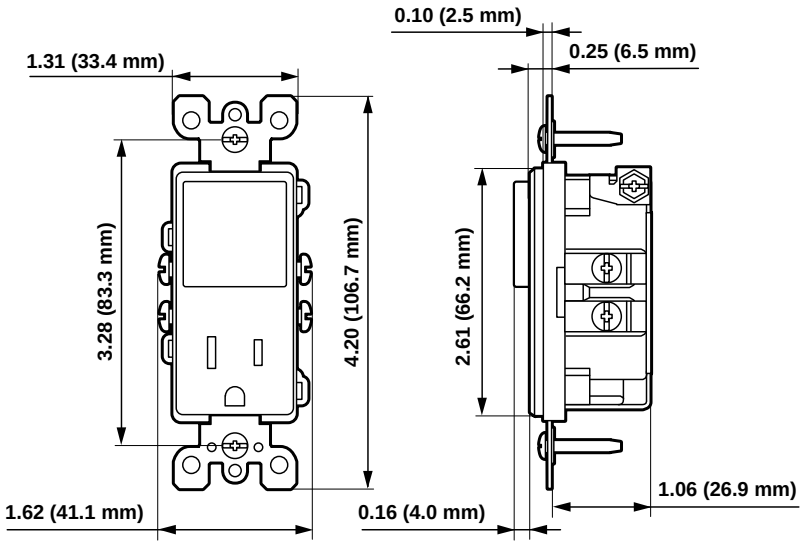
15 AMP

DESCRIPTION	RATING	CAT. NO.	COLOR*
Single-Pole Switch/Receptacle	Switch: 15A–120V AC Receptacle: 15A-125V	5625	I, W, A, GY
Single-Pole Switch/Pilot Light	Switch: 15A–120V AC Pilot: 1/25W–125V AC	5626	I, W, A
Two Single-Pole Switches	15A-120/277V AC	5634	I, W, A, GY
3-Way Switch/Single-Pole Switch	15A-120/277V AC	5641	I, W, A
Two 3-Way Switches	15A-120/277V AC	5643	I, W, A
3-Way Switch/Receptacle	Switch: 15A–120V AC Receptacle: 15A–125V	5645	I, W, A
3-Way Switch/Pilot Light	Switch: 15A–120V AC Pilot: 1/25W–125V	5646	I, W, A
S.P. Switch (Illuminated)/Receptacle	Switch: 15A-120V AC Receptacle: 15A-125V	5647	I, W, A
S.P. Switch (Pilot Light)/Receptacle	Switch: 15A-120V AC Receptacle: 15A-125V	5648	I, W, A

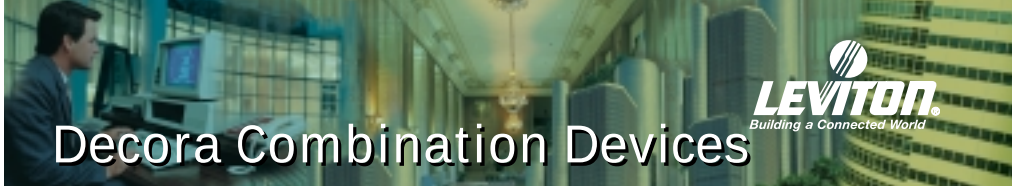
20 AMP

DESCRIPTION	RATING	CAT. NO.	COLOR*
Two Single-Pole Switches	20A-120/277V AC	5627	I, W, A
Single-Pole Switch/Receptacle	Switch: 20A-120V AC Receptacle: 20A-125V	5636	I, W, A
Single-Pole Switch/Pilot Light	Switch: 20A-120V AC Pilot: 1/25W-125V AC	5637	I, W, A
Two 3-Way Switches	20A-120/277V AC	5640	I, W, A
3-way Switch/Receptacle	Switch: 20A-120V AC Receptacle: 20A-125V	5650	I, W, A

All devices are UL Listed and CSA Certified.



SWITCH/RECEPTACLE
CAT. NO. 5625



Decora® Combination Switches

Individual Switches: 15 AMP 120V/Device Total: 20 AMP-120V†

DESCRIPTION	CAT. NO.	COLOR*
Dual Rocker Switches	1754	I, W, A
Illuminated Dual Rocker Switches light is ON when top rocker is off	1754-IL	I, W, A
Three Rocker Switches	1755	I, W, A
Three Rocker Switches (Double Pole ON-OFF-ON Top Switch; Two Single-Pole Switches)	1759	I, W

†WARNING: Although each individual rocker switch is rated up to 15A 120V, the total combined load for both duplex or all three triplex switches MUST NOT EXCEED 20 AMPS.

1755-W in 80301-W

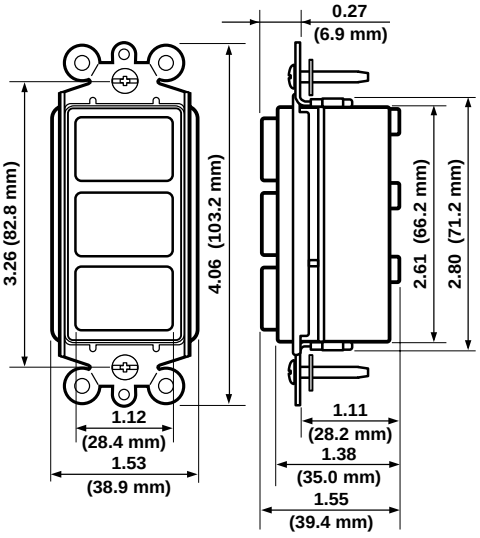
Decora® Combination Switch/GFCI Outlet

Receptacle: 15 AMP 125V/Feed-through: 20 AMP 125V Switch Rating: 8.3 AMP, 1000 WATTS @ 120V AC

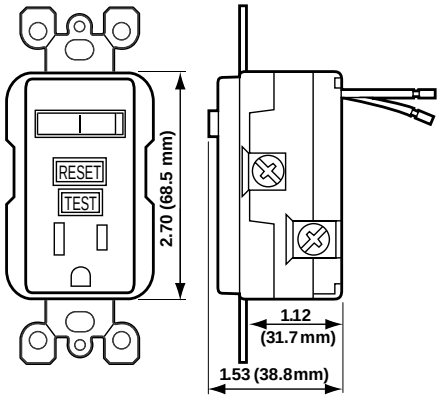
DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Mahogany*
Single-Pole Switch & GFCI-Protected Outlet	5299	I, W, A

All devices are UL Listed and CSA Certified.

5299-I



THREE ROCKER SWITCHES
Cat. No. 1755



COMBINATION SWITCH GFCI OUTLET
Cat No. 5299

SPECIFICATIONS & FEATURES

- Multi-switch combination devices save space and add convenience
- Common shunted internally to all switches
- Elegant Decora styling permits ganging with other Decora devices
- Switch/GFCI Receptacle replaces standard switch/outlet combination devices in commercial or residential installations
- Space-saving GFCI protection in new or retrofit construction
- Switch/GFCI Receptacle permits multiple wiring options that allow six different applications

TESTING & CODE COMPLIANCE

Decora Switches
- UL Listed(File #7458)
- CSA (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

Switch/GFCI Receptacle
- UL Listed (File #48380)
- Listed UL Standard 943, Class A
- CSA Certified (File #LR-57811)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

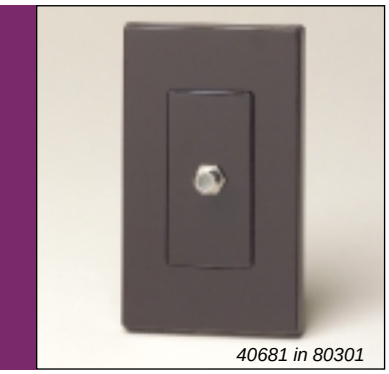
Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

40649-I in 80301-I



40681 in 80301

SPECIFICATIONS & FEATURES

- All wall jacks are compatible with Decora Plus snap-on wallplates and Decora standard wallplates
- All wall jacks can be used with single or multiple-gang wall boxes
- Modular Jacks have 50 micro-inches hard gold-plated phosphor bronze spring wire contacts.
- Jacks can be used for 75-OHM cable connections for televisions, VCR's and receivers
- Decora Plus Duplex Jack uses snap-in modules with quick-connect insulation displacement terminals for 22 or 24 AWG wire

TESTING & CODE COMPLIANCE

- UL Listed (File #109712) in accordance with NEC Article 800-51(-I)
- CSA Certified (File #80287 for all cat. nos. except 80381, which is File #LR-20064)
- NOM Certified (#057)
- Decora F-Connector Wall Jacks meet specs. for UL 1863
- Meet FCC Part 68 requirements
- All Decora Plus Voice/Data Jack Snap-in QuickPort modules meet TIA-568A electrical, mechanical and transmission requirements
- Wall Jacks' housings of high-impact, self-extinguishing plastic, rated UL 94 V-O
- Backed by a Limited Two-Year Warranty

*COLOR

Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Brown (-B) Ivory (-I), White (-W), Gray (-GY), Black (-E), Almond (-A).

MATERIAL CHARACTERISTICS

Environmental Flammability: Meet specs for UL1863

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G. For QuickPort® Snap-in Modules, see section "S"

Wall Jacks

Type 625 Single Telephone Wall Jacks

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Mahogany*
4-Conductor	40649	I, W, GY, E, A
6-Conductor	40638	I, W, GY, A
8-Conductor	40680	I, W, GY

*F Connector Wall Jacks**

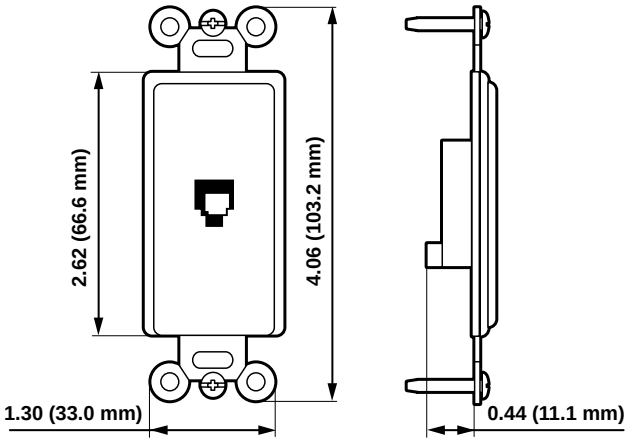
DESCRIPTION	CAT. NO.	COLOR*
Single F Connector	40681	I, W, GY, A *Basic Cat. No. Denotes Mahogany*
Duplex F Connector	40682	I, W, GY, A *Basic Cat. No. Denotes Mahogany*
Single F Connector (includes Snap-On Decora Plus Wallplate)	80381	I, W, GY, E, A

*Standard bulkhead F connector for CATV or other video applications. These jacks are not rated UL94V-O.

Decora® Plus Voice/Data Jacks with QuickPort® Snap-in Modules

DESCRIPTION	CAT. NO.	COLOR*
Empty Platform, No Jacks	41642	I, B, W, GY, E, A
Platform with Two 6-Conductor Jacks	41666	I, W
Platform with Two 8-Conductor Jacks	41688	I, W
Platform with One 6-Conductor Jack and One F Conductor	41658	I, W
Platform with One 6-Conductor Jack and One 8-Conductor Jack	41668	I, W

All devices are UL Listed and CSA Certified.



DECORA TYPE 625 SINGLE TELEPHONE WALL JACK
Cat. No. 40649

DECORA PLUS Canadian 347V AC Quiet Rocker Switches

Back and Side Wired

15 AMP 347V AC

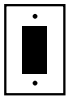
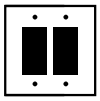
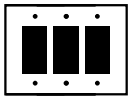
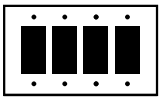
DESCRIPTION	CAT. NO.	COLOR*
Single-Pole Rocker Switch	5691-C	B, I, W, G, E, A, R
Double-Pole Rocker Switch	5692-C	I, W
3-Way Rocker Switch	5693-C	B, I, W, G, E, R
4-Way Rocker Switch	5694-C	I, W, R

20 AMP 347V AC

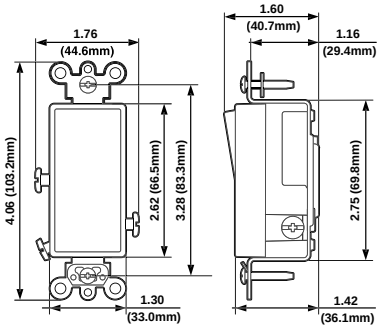
DESCRIPTION	CAT. NO.	COLOR*
Single-Pole Rocker Switch	5621-C	B, I, W, G, E, A, R
3-Way Rocker Switch	5623-C	B, I, W, G, E, R
4-Way Rocker Switch	5624-C	I, W, A, R

Midway Nylon Wallplates

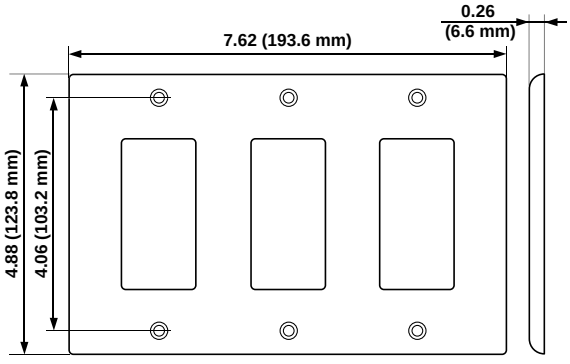
For Canadian 347V Decora Devices

DESCRIPTION	CAT. NO.	COLOR*
1-GANG 	80401-CN	B, I, W, G, E, A
2-GANG 	80409-CN	B, I, W, G, E, A
3-GANG 	80411-CN	B, I, W, G, E
4-GANG 	80412-CN	B, I, W, G

All devices are UL Listed and CSA Certified.



SINGLE POLE
Cat. No. 5621-C & 5691-C



3-GANG
Cat. No. 80411-CN

5691-CI in 80401-CNI

5691-CW in 80401-CNW

SPECIFICATIONS & FEATURES

- New architecturally-styled smooth-action concave rocker
- Heavy-duty impact-resistant thermoplastic construction for long service life in commercial applications
- Full rated current capacity with tungsten, fluorescent or resistive loads. Motor capacity is 80% of switch rating
- Wrap-around heavy-gauge strap with locking tabs for added strength
- Back and side-wiring terminals accept both solid and stranded wire to ease installation
- Green grounding screw
- Canadian 347V Decora wallplates available in a number of colors
- **Note:** Decora Plus Canadian 347V switches fit only those wallplates designated for 347V AC devices
- **Note:** Canadian 347V Decora wallplates fit "Commander Type" boxes

TESTING & CODE COMPLIANCE

Switches
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)

Wallplates
- UL Listed (File #E-13397)
- CSA (File #LR-16347)
- NOM Certified (#057)
- Fully compliant with NEMA Standards WD-1
- Backed by a Limited 10-Year Warranty

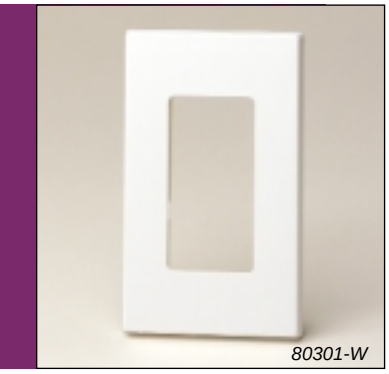
*COLOR

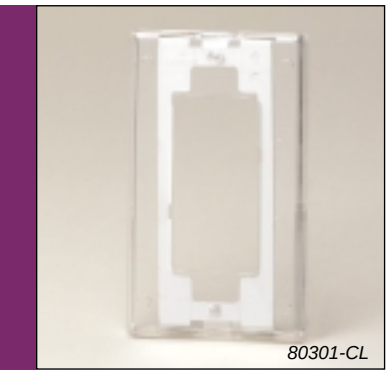
For color selection, add suffix to catalog number as follows: Brown (-B), Ivory (-I), White (-W), Gray (-G), Black (-E), Almond (-A) and Red (-R).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.


80301-W


80301-CL

Screwless Snap-On Wallplates

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Mahogany
1-GANG	80301	I, W, GY, E, A, CL
2-GANG	80309	I, W, GY, E, A, CL
3-GANG	80311	I, W, GY, E, A
4-GANG	80312	I, W, GY, E, A
5-GANG	80321-I	W, A
6-GANG	80326-I	W, A

Nylon Wallplates

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Mahogany
1-GANG	80401-N	I, W, GY, E, A, R, B
2-GANG	80409-N	I, W, GY, E, A, R, B
3-GANG	80411-N	I, W, GY, A
4-GANG	80412-N	I, W, A

Metal Wallplates

DESCRIPTION	BRUSH BRASS SATIN FINISH .040" SOLID	NON-MAGNETIC STAINLESS STEEL .032"	ALUMINUM SATIN FINISH .040"
1-GANG	81401	84401-40	83401
2-GANG	81409	84409-40	83409
1-GANG 1-Decora 1-Duplex	—	84455-40	—
3-GANG	81411	84411-40	—
4-GANG	81412	84412-40	—
5-GANG	81423	84423-40	—
6-GANG	—	84436-40	—

All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES

Decora Plus Screwless Snap-On Wallplates

- Feature sleek, smooth contemporary architectural styling with hidden mounting screws that complement fine decors
- Decora compatible — two-piece kit allows easy retrofit to any Decora installation
- Impact-resistant thermoplastic construction stands up to abuse and cleaning solutions
- Put existing wall covering inside clear wallplate which snaps into place on subplate for a seamless finish between device and wall surface

Nylon and Metal Wallplates

- Include color-matched screws

TESTING & CODE COMPLIANCE

Decora Plus Screwless Snap-On Wallplates

- UL Listed (File #E13397)
- Meet NEMA Standards WD-1
- CSA Certified (File #LR16347)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

Metal Wallplates & Plastic Adapters

- UL Listed (File #92327)
- CSA Certified (File #LR16347)
- NOM Certified (#057)
- Meet NEMA Standards WD-1
- Backed by a Limited 10-Year Warranty

*COLOR

Decora Plus Screwless and Nylon Wallplates

Basic Cat. No. denotes Mahogany device. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Black (-E), Almond (-A), Red (-R), Blue (-B), and Clear (-CL).

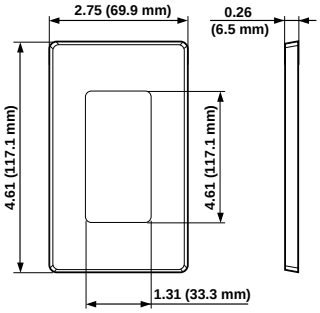
Metal Wallplates

Brass, stainless steel or aluminum finish as listed

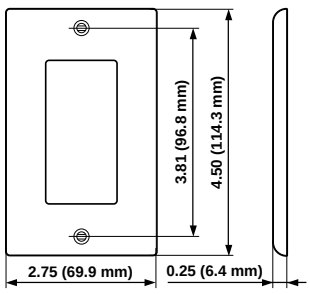
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.



SCREWLESS SNAP-ON WALLPLATE
Cat. No. 80301



NYLON WALLPLATE
Cat. No. 80401-N

Decora Wallplates

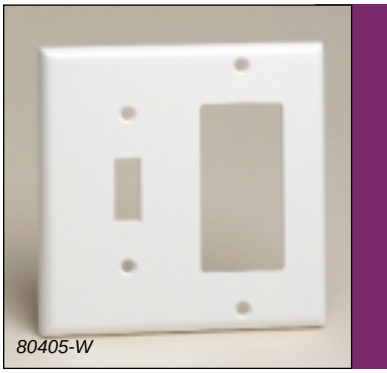
Standard Size Smooth Plastic Wallplates

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Mahogany*
1-GANG	80401	I, W, GY, E, A
2-GANG	80409	I, W, GY, E, A
2-GANG 1-Decora 1-Toggle	80405	I, W, GY, E, A
2-GANG 1-Decora 1-Duplex	80455	I, W, A
2-GANG 1-Decora 1-Telephone (.406 in hole)	80479	I, W
3-GANG	80411	I, W, GY, E, A
3-GANG 2-Decora 1-Toggle	80431	I, W, GY
3-GANG 2-Toggles 1-Decora	80421	I, W, GY, E, A
3-GANG 1-Decora 1-Toggle 1-Telephone	80442-I	Ivory Only
3-GANG 2-Decora 1-Telephone	80443-I	Ivory Only
4-GANG	80412	I, W, GY, A, E
5-GANG	80423	I, W, GY, A, E
6-GANG	80436	I, W, GY, A, E
7-GANG	80407-I	W *(Basic Cat. No. denotes Ivory)*

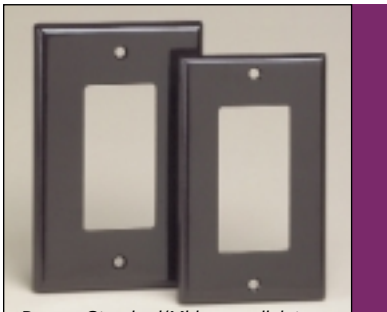
Midway Size Smooth Plastic Wallplates

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Mahogany*
1-GANG	80601	I, W, GY, A
2-GANG	80609	I, W, GY, A
2-GANG 1-Blank 1-Decora	80608	I, W, A
2-GANG 1-Decora 1-Toggle	80605	I, W, A
3-GANG	80611	I, W, A
4-GANG	80612	I, W, A

All devices are UL Listed and CSA Certified.



80405-W



Decora Standard/Midway wallplate size comparison (⅜" wider and longer), 80401 in front of 80601.

SPECIFICATIONS & FEATURES

- A wide selection of sixes and colors to blend with any wall covering
- Smooth face and rounded edges that resist dust accumulation
- Individual plastic wrapping to protect surfaces
- Color-matched mounting screws supplied

TESTING & CODE COMPLIANCE

- UL Listed (File #E-13397)
- CSA Certified (File #LR-16347)
- NOM Certified (#057)
- Full compliance with NEMA Standards WD-1
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes Mahogany device. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Black (-E) and Almond (-A).

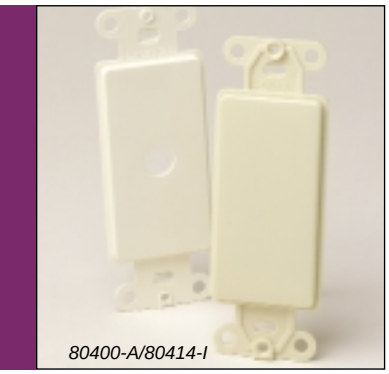
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C)

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Decora Wallplate Accessories

Decora Replacement Screws



80400-A/80414-I

TESTING & CODE COMPLIANCE

- Backed by a Limited Two-Year Warranty

*COLOR

Colors available as listed. For other color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Gray (-GY), Black (-E), Almond (-A).

MATERIAL CHARACTERISTICS

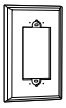
Environmental: Flammability UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

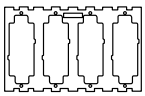
Wallplate Replacement Screws (5/16"–6 x 32 threads)

DESCRIPTION	CAT. NO.	DESCRIPTION	CAT. NO.
Almond 100 per box	82400	**Ivory 100 per box**	86400
Black 100 per box	83400	**Gray 100 per box**	87400
Stainless Steel 100 per box	84400	**White 100 per box**	88400
Brown 100 per box	85400	**Red 100 per box**	89400

Standard Size Plastic Adapters

DESCRIPTION		CAT. NO.	COLOR* *Basic Cat. No. Denotes Mahogany*
Dimmer Shaft (.406" hole)		80400	I, W, GY, E, A
Blank (no hole)		80414	I, W, GY, E, A
CATV Jack		80381-I	W, GY, E, A
Wallbox Adapter Extends shallow wallbox to fit GFCI/Decora devices		6197	I, W

Decora® Plus Standard Size Plastic Adapters

DESCRIPTION		CAT. NO.	COLOR*
CATV Jack		80381	I, W, GY, E, A
Blank (no hole)		80314	I, W, GY, E, A
4-Gang Template		80300	Brown only

All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Home Automation Products — Decora Home Controls (DHC)

Leviton's Decora Home Controls (DHC) Residential Powerline Carrier components provide homeowners with everything needed for programmed and manual control of lighting and appliances using their home's existing AC wiring. The following pages highlight key automation applications for a variety of Leviton DHC components. Comprehensive product listings are also provided, including specifications, features, benefits, available colors, photos and line drawings, to assist in the selection of appropriate DHC components for your intended use.

Leviton's current listing of DHC components features new transmitters and receivers with Scene Lighting Control capability for coordinated, multi-location lighting schemes. Many new DHC components also feature Intellisense™ (gated automatic gain control), a Leviton exclusive. Intellisense reduces noise sensitivity without reducing command signal sensitivity, resulting in the most reliable performance of any powerline carrier home automation system available today.

RESIDENTIAL GRADE

Overview ____ B1
DHC Powerline Carrier Transmitters
- Basic Programmer ____ B2
- Table Top Controller ____ B2
- Wall Mounted Switch Controllers ____ B3–B4
- Wall Mounted Switch Controller with Scene Control Capability ____ B4
- DHC Wireless Controller/Transceiver ____ B5
- Key Chain Transmitter ____ B5
- Passive Infrared Transmitter B6
- Photocell Controller ____ B6
- Telephone Transponder ____ B7
- Burglar Alarm Interface ____ B7
- Dry Contact Transmitter ____ B7

DHC Network Integrity Products
- System Amplifier/ Coupler/Repeater ____ B8
- Panel-Mounted Surge Protector ____ B8

DHC Powerline Carrier Receivers
- Wall Switches with Scene Control ____ B9
- Wall Switches ____ B10
- Remote Wall Switches ____ B11
- Double Pole 20A Wall Switch ____ B11
- DHC Switch Module Snap-On Rockers & Frames ____ B9–B11
- Plug-In Universal Low Voltage Module ____ B12
- DHC Thermostat ____ B12
- Wall Receptacles ____ B13
- 2000 Watt Dimmer Module ____ B14
- Fixture Relay Module ____ B14
- Dimming Fixture Module ____ B14
- Plug-in Lamp Module ____ B14

DHC Couplers and Filters
- Signal Bridge ____ B15
- Multi-phase Blocking Coupler ____ B15
- Signal Attenuator ____ B15
- Noise Block ____ B16
- Plug-in Noise Filter ____ B16
- In-line Noise Reducer ____ B16

DHC Powerline Carrier Test Equipment ____ B17

SECTION B

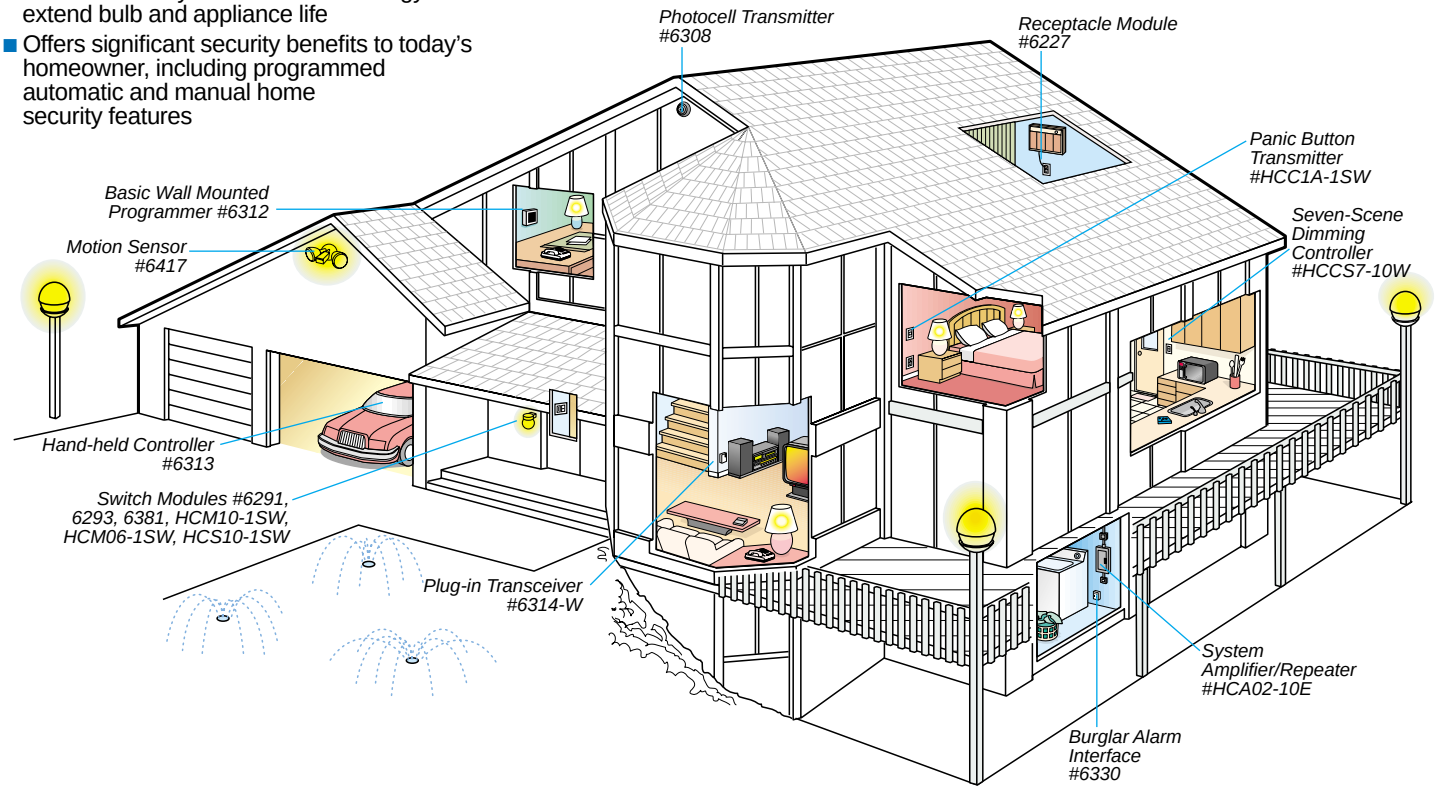
RESI RESIDENTIAL GRADE

LEVITON
Building a Connected World

DECORA HOME CONTROLS™

Features and Benefits

- A network of transmitters and DHC switch, dimmer, fixture and receptacle receivers that communicate via unique coded switching signals over a home's AC wiring to automate control of lights and appliances
- DHC components replace switches and outlets, which simplifies installation compared with other automation systems that require dedicated proprietary wiring backbones.
- An effective way to contribute to energy conservation and extend bulb and appliance life
- Offers significant security benefits to today's homeowner, including programmed automatic and manual home security features



Enjoy Outstanding Home Automation Capabilities with Easy-to-Install, Decora Home Controls

DHC Transmitters

DHC Powerline Carrier Transmitters are available in a variety of configurations, including wall-mounted programmable, plug-in tabletop, wireless hand-held, wall switch/dimmer and sensor units. Transmitters send control signals to specified DHC address throughout the DHC network.

Cat. No. HCCS7-10W

DHC Receivers

DHC Powerline Carrier Receivers can be set to any of 256 DHC address codes for remote/manual control of incandescent, inductive, fluorescent, or low-voltage loads. They are available as receptacle, plug-in, fixture and multi-location wall switches and dimmer switches.

Cat. No. HCM10-1SW

Network Integrity Products

Leviton highly recommends installing these products in every DHC application. The System Coupler/Repeater ensures DHC signal integrity throughout the house. Panel-mount surge devices protect DHC components from transient voltage surges.

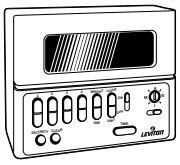
Cat. No. 51120-1

DHC Powerline Carrier Transmitters

DESCRIPTION	CAT. NO.

Basic Wall Mounted Programmer★— A powerful home automation controller that is easy to install and use. Compact, low-profile unit fits in single-gang wallbox. Accepts up to four addresses; maximum two ON and two OFF commands per address. SECURITY mode randomly selects ON and OFF times to make an empty home appear occupied. ALL LIGHTS ON switch acts as a panic-button lighting system, switching on all DHC switch modules with one touch. DIM/BRIGHTEN command can automatically adjust lighting levels of all fixtures controlled by DHC dimming receivers. LED readout shows time and program status; battery back-up protects clock setting and program status for ten hours during power interruption. Available in Ivory, White, and Almond.

Rated: 120V 60Hz AC only **Power Consumption:** 2.5 watts maximum



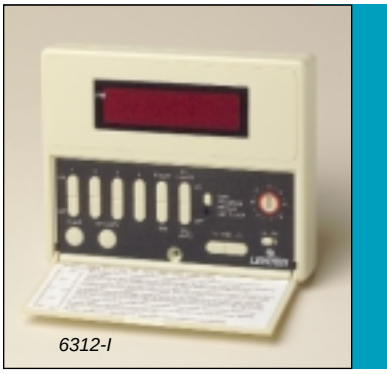
6312-I,-W, -A

Table Top Controller★— Provides manual remote control for all 256 DHC addresses. Command functions include ON/OFF, ALL LIGHTS ON/ALL OFF and DIM/BRIGHTEN. The 6320 plugs into any 120 volt AC receptacle to transmit command signals over existing AC wiring.

Rated: 120V 60Hz AC only.

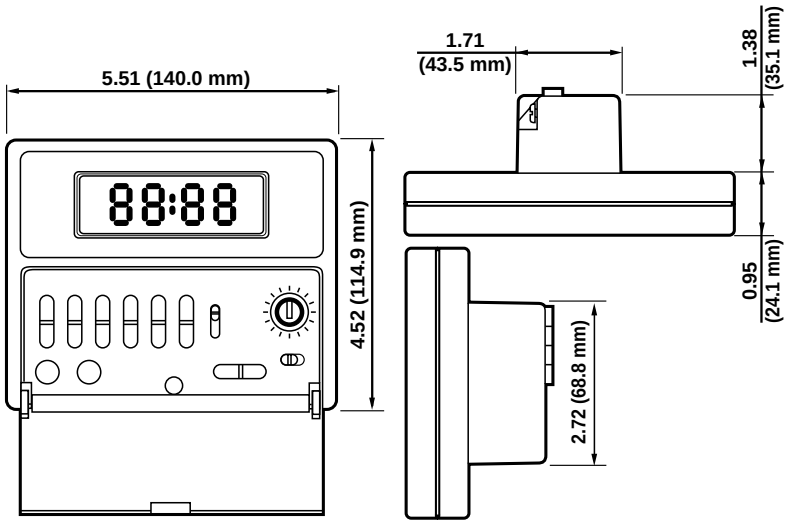
6320

All devices are UL Listed. Also CSA Certified except where indicated by★



6312-I

6320



BASIC WALL MOUNTED PROGRAMMER
Cat. No. 6312

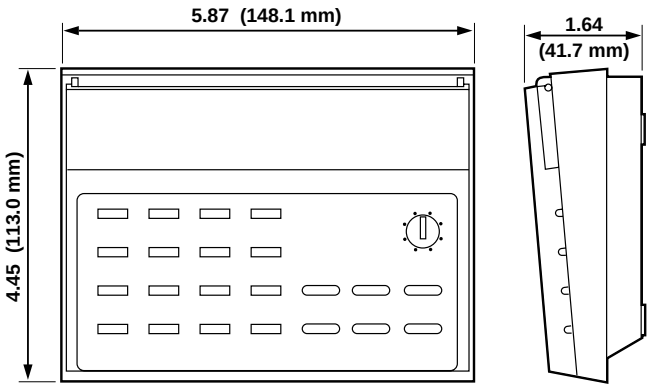


TABLE TOP CONTROLLER
Cat. No. 6320

SPECIFICATIONS & FEATURES

- Programmer adds user-devised scheduling to DHC automated control of lights and appliances for greater convenience, energy savings and security
- Programmer and Controllers send DHC switching commands over existing 60Hz 120V AC house wiring.
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

COLOR

Colors available as listed: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

HCC10-1SW in 80301-W

HCC1D-1LW in 80301-W

SPECIFICATIONS & FEATURES

- Fit in standard wallboxes and replace regular switches to provide DHC control capability as indicated in "Description"
- Exclusive Intellisense™ technology for transmitting clear command signal without noise interference
- Uses existing 120V AC 60Hz wiring to send command signals
- Compatible with Decora screwless and standard Decora wallplates
- Green LED illuminates to confirm ON command is sent
- Decora styling coordinates with Leviton's popular Decora line; complements any interior
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- UL 224A Tested (and others as appropriate)

COLOR

All devices are shipped in White only. See page B4 for compatible color change kits.

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

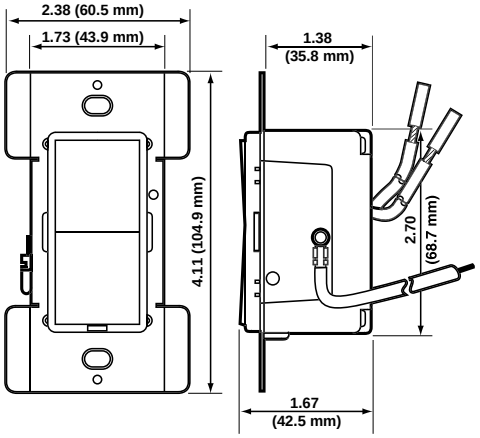
Operating Temperature: -40°C to 120°C

DHC Powerline Carrier Transmitters

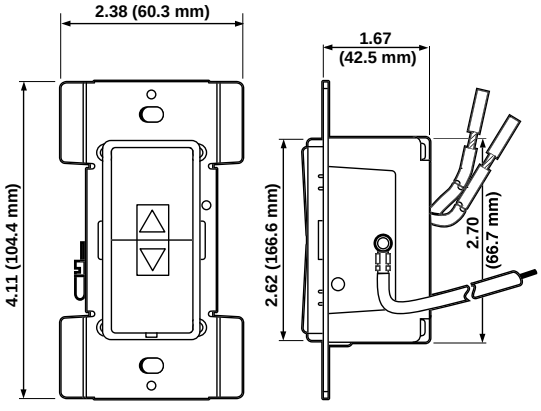
DESCRIPTION	CAT. NO.
One-Address ON/OFF Controller — One ON/OFF rocker transmits ON/OFF commands to one address. Illuminated green LED at bottom of face indicates unit is On. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC10-1SW
ALL LIGHTS ON/All OFF Controller — One ALL LIGHTS ON/ALL OFF rocker transmits commands to all receivers set to the same letter code as this transmitter. Provides "Panic Button" lighting control for safety and security. NOTE: Receptacle Receivers will not respond to ALL ON command. Illuminated green LED at bottom of face indicates unit is On. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC1A-1SW
One-Address Dimming Controller — One ON/OFF rocker transmits ON/OFF commands to one address in the same letter code group as this transmitter switch while the built-in arrow-shaped rocker transmits BRIGHT/DIM commands to that same address. Illuminated green LED at bottom of face indicates unit is On. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC1D-1LW
Two-Address Dimming Controller — Two sets of ON/OFF buttons transmit ON/OFF commands to two sequential addresses in the same letter code group as this controller. One set of GROUP BRIGHT/DIM buttons transmits GROUP BRIGHT/DIM commands to the most recently selected address. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC2D-10W

All devices are UL Listed and CSA Certified.

No more than 4 Controllers should be installed on a single branch circuit.



DHC CONTROLLER
Cat. Nos. HCC10-1SW and HCC1A-1SW



DHC CONTROLLER
Cat. No. HCC1D-1LW

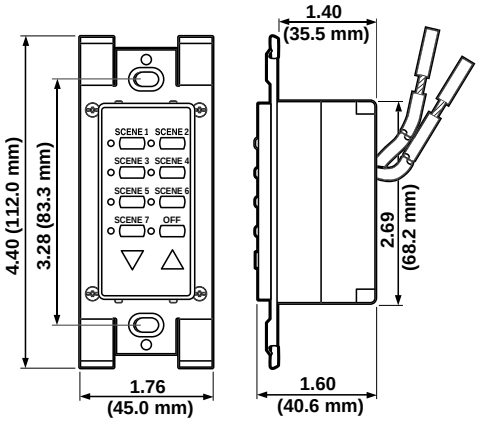
DHC Powerline Carrier Transmitters

DESCRIPTION	CAT. NO.
Three-Address Dimming Controller — Three sets of ON/OFF buttons transmit ON/OFF commands to three sequential addresses in the same letter code group as this controller. One set of GROUP BRIGHT/DIM buttons transmits GROUP BRIGHT/DIM commands to the most recently selected address. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC3D-10W INTELLISENSE™
Four-Address Dimming Controller — Four sets of ON/OFF buttons transmit ON/OFF commands to four sequential addresses in the same letter code group as this controller. One set of GROUP BRIGHT/GROUP DIM buttons transmits GROUP BRIGHT/DIM commands to the most recently selected. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC4A-10W INTELLISENSE™
Three-Address Dimming, All LIGHTS ON/ALL OFF — Controller Three sets of ON/OFF buttons transmit ON/OFF commands to three sequential addresses in the same letter code group as this controller. One set of GROUP BRIGHT/DIM buttons transmits GROUP BRIGHT/DIM commands to the most recently selected address. One set of ALL LIGHTS ON/ALL OFF buttons transmits commands to all receivers set to the same letter code as this transmitter. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC4D-10W INTELLISENSE™
Seven-Scene Dimming Controller — Each of seven SCENE buttons transmits ON commands to preset levels to twelve sequential addresses in the same letter code group as this controller. (Note: 12-address sequence continues at address 1 if address 16 is reached before all 12 sequential addresses are completed.) Only Cat. Nos. HCM10 (6343), HCM06 (16383) or HCS10 (16293) Scene Capable Switch Receivers can be used with this controller. One set of SCENE BRIGHT/DIM buttons transmits SCENE BRIGHT/DIM commands to the most recently selected scene. One OFF button transmits OFF command to the most recently selected scene. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCCS7-10W INTELLISENSE™

The HCCS7-10W utilizes extended code format. This command structure is not compatible with older versions of the DHC System Coupler/Repeater Cat. No. 6201.

All devices are UL Listed and CSA Certified.

No more than 4 Controllers should be installed on a single branch circuit.

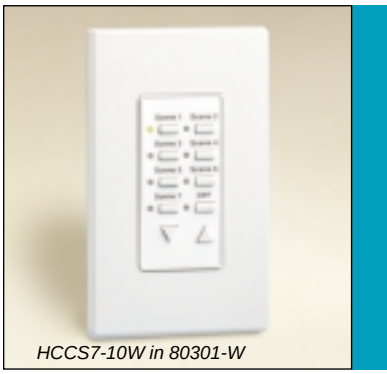


DIMENSIONS FOR ALL DHC CONTROLLERS ON THIS PAGE
Cat. No. HCCS7-10W Shown

COLOR CHANGE KITS

For Controller:	Compatible Color Change Kit		
	Cat. No. White	Cat. No. Ivory	Cat. No. Almond
HCC10-1SW, HCC1A-1SW	DRK0S-0LW	DRK0S-0LI	DRK0S-0LA
HCC1D-1LW	DRK1D-00W	DRK1D-00I	DRK1D-00A
HCC2D-10W	DCK2D-00W	DCK2D-00I	DCK2D-00A
HCC3D-10W	DCK3D-00W	DCK3D-00I	DCK3D-00A
HCC4A-10W	DCK4A-00W	DCK4A-00I	DCK4A-00A

HCC4D-10W in 80301-W


HCCS7-10W in 80301-W

SPECIFICATIONS & FEATURES

- Fit in standard wallboxes and replace regular switches to provide DHC control capability as indicated in "Description"
- Exclusive Intellisense™ technology for transmitting clear command signal without noise interference
- Uses existing 120V AC 60Hz wiring to send command signals
- Compatible with Decora screwless and standard Decora wallplates
- Green LED illuminates to confirm ON command is sent
- Decora styling coordinates with Leviton's popular Decora line; complements any interior
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- UL 224A Tested (and others as appropriate)

COLOR

All devices are shipped in White only. See chart for compatible color change kits.

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

6314-W & 6313

6332

SPECIFICATIONS & FEATURES

- Leviton's Hand-Held Controller adds the convenience of wireless fingertip control of appliances and lighting to DHC systems
- Ultra-compact Key Chain Transmitter adds wireless ON/OFF control of up to four devicest
- Both Hand-Held and Key Chain Controllers operate through the companion Plug-In Transceiver
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-69519)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

COLOR

Colors available as listed: White (-W).

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

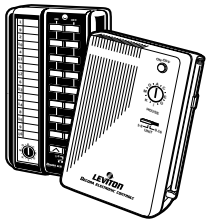
Operating Temperature: -40°C to 120°C

DHC Powerline Carrier Transmitters

DESCRIPTION	CAT. NO.

Hand-Held Wireless Controller/Plug-In Transceiver with Built-In Appliance Module — Operate lights and appliances from up to 75 feet away WITHOUT WIRES. The Cat. No. 6313 Hand-Held Wireless Controller sends command signals by means of radio waves through walls and ceilings from inside or outside the home. The Cat. No. 6314-W Plug-in Transceiver picks up the signals and re-transmits them onto the AC wiring network for up to 8 groups of Receivers set to the same Letter Code. The Transceiver also has a built-in appliance module. A lamp or other electrical device will respond to commands sent to A1 or A9 (or any other Letter Code A-P) when plugged into the outlet on the Transceiver.

These units make it possible to switch OFF downstairs lights from upstairs, outdoor lights from the car, or kid's room lights from the master bedroom. Multiple Transceivers can be used in conjunction with a single Hand-Held Controller to expand the range of signal reception by spacing them between 6 and 75 feet apart throughout the residence. These devices will allow complete hand-held control of the home's lighting and appliances. Note that the 6314-W Transceiver will only receive signals from the 6313 Hand-Held Controller and the 6332 Key Chain Remote Controller. Hand-Held Controllers require four AAA batteries (not included). Color: 6313 is Black, 6314-W is White.



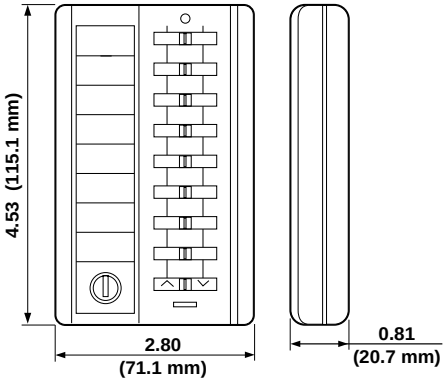
6313,6314-W

Multiple Cat. No. 6314-W Transceiver units should be positioned at least six feet apart to avoid interference.

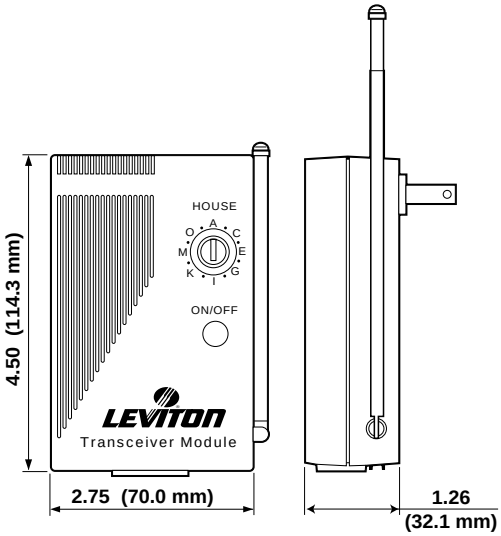
Wireless Key Chain Remote Controller — Transmits command signals to turn ON any light or appliance that is plugged into the Cat. No. 6314-W (sold separately). Up to four devices can be controlled using the 6332 and 6314-W transceiver module with a transmission range of up to 75 feet. The 6314-W uses the home's existing AC wiring to re-transmit signals it receives from the 6332 so that additional lights and appliances connected to other DHC receivers can also be controlled using the 6332. The 6332 and 6314-W provide a complete, fully expandable system. Lamp modules can be added to control additional lamps; appliance receivers can be added to control outside lights. Color: Black only.

6332

All devices are UL Listed only, not CSA Certified.



HAND-HELD CONTROLLER
Cat. No. 6313



PLUG-IN TRANSCEIVER
Cat. No. 6314-W

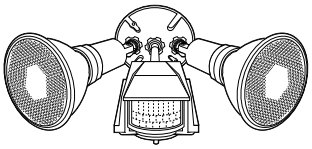
DHC Powerline Carrier Transmitters

DESCRIPTION — CAT. NO.

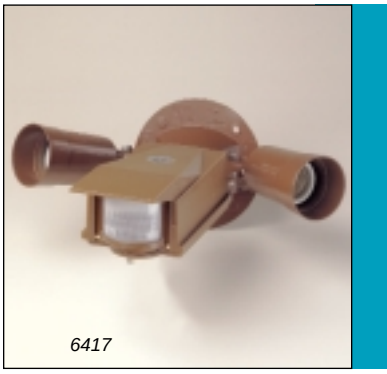
Passive Infrared Transmitter — A motion-sensing light control ideal for use in outdoor locations, such as backyards, garages and storage buildings. Built-in infrared sensing technology monitors 4,000-sq. ft. field, 110 degrees wide, up to 40 feet in front of unit. When the 6417 senses motion in its field of view, it can respond by sending two types of signals: ON commands to Receivers set to control lights at four sequential system addresses, and MOTION DETECTED signals to other 6417's set to the same address. As long as the source of infrared radiation remains in the 6417 sensor field, it continues to send ON signals every six seconds to these addresses, providing the convenience of continuous illumination along a path from a garage to an entranceway, or around an entire residence, if desired. It can also turn on an inside lighting fixture as well as outdoor fixtures to help deter intruders.

The 6417 is encased in a moisture-resistant housing. The control panel includes sensitivity adjustments to prevent nuisance tripping by small animals and a time delay to set the length of time the lights stay on (6 seconds to 30 minutes). Manual override of the 6417 controller can be achieved with the use of HCCS7-10W or 6312 Controllers.

Passive Infrared Transmitter installs easily into standard round outdoor junction box and comes complete with mounting plate, control unit, par lampholders and complete installation and operating instructions. Color: Brown.

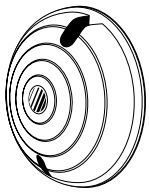


6417

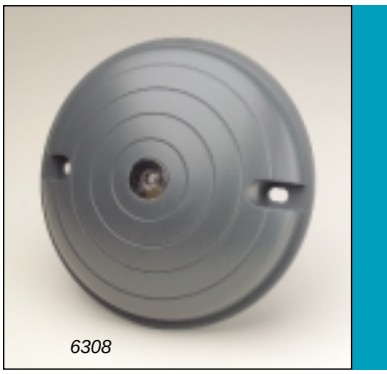


6417

Photocell Controller — Automatically senses approaching darkness and responds by sending ON commands to as many as four groups of DHC Receivers (all receiver modules in each group must be set to the same Letter Code). The Receiver Modules respond by turning lights ON inside or outside the home. The 6308 will also transmit OFF commands in response to a user-selected number of hours that it's been ON, or in response to approaching daylight. The Receivers respond by turning their assigned lighting loads inside or outside the home OFF. The 6308 mounts on a standard round or GEM electrical box. Color: Gray.



6308



6308

All devices are UL Listed only, not CSA Certified.

SPECIFICATIONS & FEATURES

- DHC Passive Infrared Sensor/Transmitters can work alone or in multiple arrays to turn on designated lighting inside and outside the home when motion is detected for improved security and safety
- Up to four transmitters can be wired into a single branch circuit
- Photocell Sensor/Transmitters can add "night watchman" automated switching capability to any DHC network
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

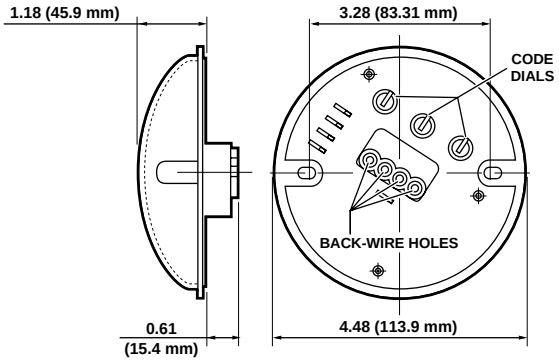
COLOR

Colors available as listed.

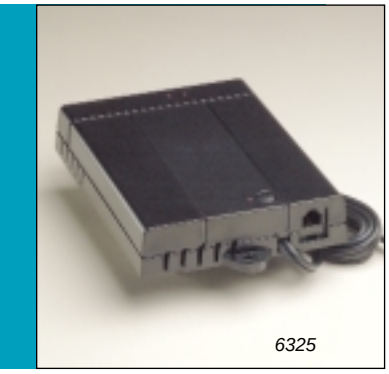
MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C



PHOTOCELL TRANSMITTER
Cat. No. 6308



6325

6330

SPECIFICATIONS & FEATURES

- Telephone Transponder allows user to control an entire DHC network from anywhere in the world using a touch-tone telephone
- Burglar Alarm Interface connects to existing intrusion alarms, issuing flashing light commands to DHC switching modules when tripped for improved security
- Up to four transmitters can be wired into a single branch circuit
- Dry Contact Transmitters link signaling from photocells, infrared sensors, security systems, motion sensors, thermostats and other dry contact transmitters to DHC controlled devices
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

COLOR

Colors available as listed.

MATERIAL CHARACTERISTICS

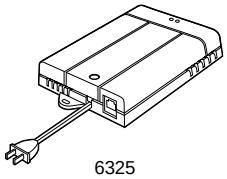
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

DHC Powerline Carrier Transmitters

DESCRIPTION — CAT. NO.

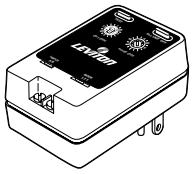
Telephone Transponder — Allows user to control all 256 addresses in an entire DHC network from anywhere in the world using a Touch-Tone™ telephone. The DHC Transponder also functions as a DHC isolated contact (class B) module that can be controlled from the phone or any DHC Transmitter. The 6325 includes a pair of low-voltage wire screw terminals. The Transponder simply plugs into any 120 volt AC receptacle and attaches to a phone jack using the line splitter provided. The Transponder activates upon "hearing" its unique, user-devised access code. Users can order the 6325 to send ON, OFF, ALL LIGHTS ON and ALL OFF commands using the phone keypad. For optimum performance, it is recommended that the 6325 be used on a dedicated phone line. The Transponder confirms all commands with a simulated human voice. The device is equipped with a 6-hour battery back up.
Color: Black.



6325

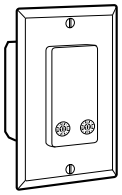
Note: The Telephone Transponder does not work with call waiting.

Burglar Alarm Interface — Simply plugs into a grounding 15 Amp receptacle. Connects to an existing intrusion alarm and turns lights ON whenever the alarm is tripped. Provides choice of 3 modes of light switching when activated. Either a low-voltage input (6-18V AC, DC or audio) or a dry contact closure can trigger the 6330. The unit has a test button that permits activation whether or not the device is connected to an alarm system. The ALL OFF button turns OFF anything that was turned ON by the unit. Available color: Ivory.



6330

Dry Contact Transmitters★— Allow monitoring of up to four dry contact closures. No. 6315 Maintained Contact Transmitter sends ON or OFF command signals in response to contact opening or closure. No. 6316 Momentary Contact Transmitter sends ON or OFF command signals in response to contact closure, and no command signal upon contact openings. These units can be used with photocells, infrared sensors, security system, motion sensors, thermostats and any other dry-contact-based sensors. Installs in a single-gang wallbox. Color: Ivory.



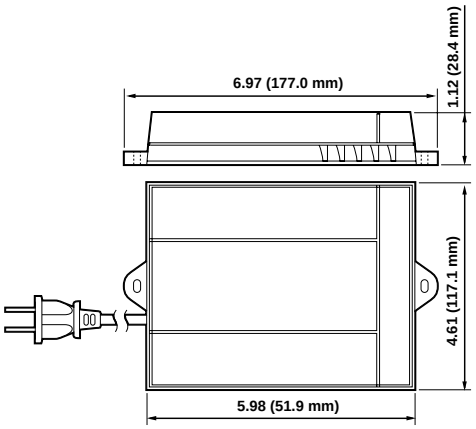
6315, 6316

Power to control side: 125V 60Hz AC Only.

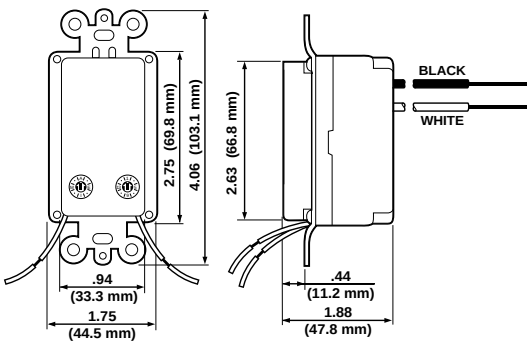
LV LEAD COLOR	TRANSMITS TO
Blue	A1*
Orange	A2*
Yellow	A3*
Brown	A4*

*Or any four sequential address codes within the same Letter Code group as the Transmitter.

*Does not work with proprietary telephone company answering modes or with call waiting. It is advised to put Cat. No. 6325 on a dedicated telephone line.
All devices are UL Listed. Also CSA Certified except where indicated by★



TELEPHONE TRANSPONDER
Cat. No. 6325



MAINTAINED DRY CONTACT TRANSMITTERS
Cat. No. 6315 & 6316

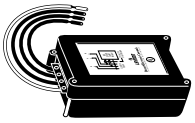
DHC Network Integrity Products

DESCRIPTION CAT. NO.

System Amplifier/Coupler/Repeater with Built-in Test Signal Generator* — Couples transmitter (programmer and controller) signals generated on the 120V leg where the transmitter draws power onto the other leg in a 120/240V single-phase 3-wire residential wiring system. The HCA02-10E also amplifies and repeats command signals to assure proper signal strength throughout the DHC network. Green pilot light indicates when DHC signal is transmitting. Features Intellisense™ to ensure top performance even when noise is present on the AC powerline. The HCA02-10E provides convenient built-in ON/OFF test signal transmission for easy signal strength verification at individual module locations using Leviton's Cat. No. 6386 Signal Strength Indicator.

The HCA02-10E should be installed at the main panel on its own dedicated 15A breaker in accordance with NEC requirements.

Note: A Cat. No. HCA02-10E Amplifier/Coupler/Repeater should be installed at the main panel in every DHC installation.



HCA02-10E

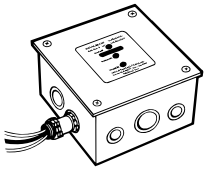
INTELLISENSE™

HCA02-10E

Panel Mounted Surge Protective Device (SPD) — Provides homes with protection from high-energy transient voltage surges that can damage sensitive electronic circuits in computers, audio and video components, and electronic appliances. Leviton DHC components incorporate microcircuitry into their design, and protection of a DHC network against surges on the powerlines is highly recommended.

Unique hybrid suppression circuitry in 51120 devices provide outstanding surge protection. The 51120-1,-3 is housed in a standard J-box metal enclosure with pre-punched standard knockouts. The 51120-3R features a NEMA 3R-rated enclosure suitable for outdoor use.

Note: A Cat. No. 51120 Panel Mount Surge Protective Device should be installed at the service panel in every DHC installation



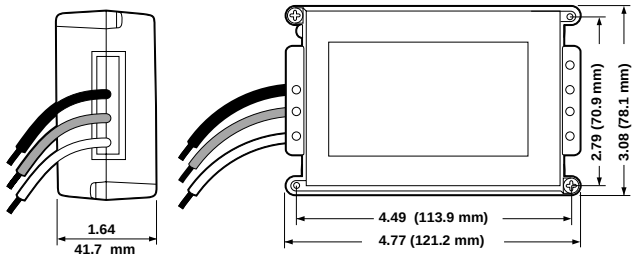
51120-1

51120-1

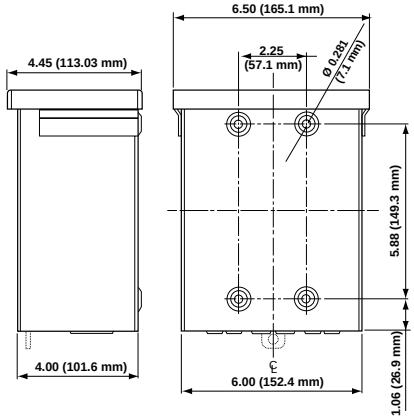
Rated:

Cat. No. 51120-1	120/240V AC 60 Hz
Cat. No. 51120-3	120/208V AC 3-Phase WYE 60 Hz
Cat. No. 51120-3R	120/240V AC 60 Hz

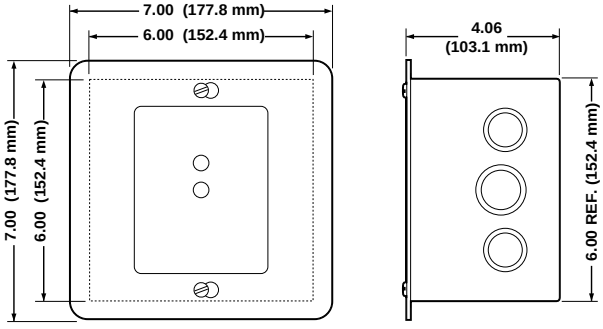
*Older versions of this device may not be compatible with Cat. No. HCCS7-10W Scene Lighting Controller.



SYSTEM AMPLIFIER/COUPLER/REPEATER
Cat. No. HCA02-10E



PANEL MOUNTED SURGE PROTECTIVE DEVICE
Cat. No.51120-3R



PANEL MOUNTED SURGE PROTECTIVE DEVICE
Cat. No.51120-1,-3

SPECIFICATIONS & FEATURES

- System Coupler/Repeater recommended for all DHC installations to insure adequate signal strength
- Panel-Mounted Surge Protective Device recommended for all DHC installations to protect DHC circuitry from damaging high-energy transient voltage surges
- HCA02-10E Backed by a Limited Two-Year Warranty, 51120 Backed by a Limited 10-Year Warranty

TESTING & CODE COMPLIANCE

- HCA02-10E UL Listed (File #E-66800), 51120 UL Listed to 1449 Standards
- HCA02-10E CSA Certified (File # LR3413), 51120 CSA Certified
- HCA02-10E UL 244A Tested (and others where appropriate)

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating

Operating Temperature: -40°C to 120°C

HCM10-1SW, HCM06-1SW in 80301-W

HCS10-1SW in 80301-W

SPECIFICATIONS & FEATURES

- Fit in standard wallboxes and replace regular switches to provide manual and remote ON/OFF switching, dimming (except HCS10-1SW) and Scene Lighting Control
- Leviton's exclusive Intellisense™ virtually eliminates signal problems due to line noise
- Use existing 60Hz 120V AC house wiring to add multi-location switching without resorting to complicated and costly conventional wiring means
- Decora styled to coordinate with Leviton's Decora line of wiring devices
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File # LR-54628)
- UL 244A Tested (and others where appropriate)

COLOR

Colors available as indicated. See chart for Rocker and Frame Kits (must be purchased separately)

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating

Operating Temperature: -40°C to 120°C

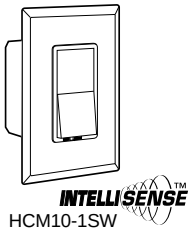
DHC Powerline Carrier Receivers

DESCRIPTION	CAT. NO.

Single-Pole (One Location) or 3-Way (Multi-Location) Dimming Switch with Scene Control — Provides manual and remote ON/OFF switching and full range dimming for larger incandescent and magnetic low-voltage lighting loads such as chandeliers and multiple high-hats. Provides scene control capability when used with DHC Scene Controller Cat. No. HCCS7-10W (backward compatible with 16400/16450-S and 16400/16450-SD units). Also provides multi-station manual and remote ON/OFF switching and full range dimming when used with Cat. No. MS00R-1 Remote Unit. Equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands. Preset feature turns lights ON at last selected brightness level. Soft ON/Fade OFF feature provides eye-pleasing effect and extended bulb life. Protected memory maintains lighting level during minor power fluctuations. Wires easily into standard wall box. Neutral connection not required for incandescent loads. Packed with Ivory and White Rocker and Frame Kits. Kits for other colors must be purchased separately (See Chart).

Rated: 120V AC 60Hz, 1000W Incandescent,1000VA Magnetic Low-Voltage Lighting

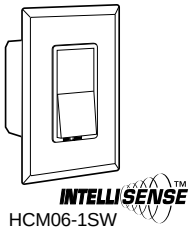


HCM10-1SW

Single-Pole (One Location) or 3-Way (Multi-Location) Dimming Switch with Scene Control — Provides manual and remote ON/OFF switching and full range dimming for incandescent and magnetic low-voltage lighting loads such as chandeliers and multiple high-hats. Provides scene control capability when used with DHC Scene Controller Cat. No. HCCS7-10W (backward compatible with 16400/16450-S and 16400/16450-SD units). Also provides multi-station manual and remote ON/OFF switching and full range dimming when used with Cat. No. MS00R-1 Remote Unit. Equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands. Preset feature turns lights ON at last selected brightness level. Soft ON/Fade OFF feature provides eye-pleasing effect and extended bulb life. Protected memory maintains lighting level during minor power fluctuations. Wires easily into standard wall box. Neutral connection not required for incandescent loads. Packed with Ivory and White Rocker and Frame Kits. Kits for other colors must be purchased separately (See Chart).

Rated: 120V AC 60Hz, 600W Incandescent, 600VA Magnetic Low-Voltage Lighting

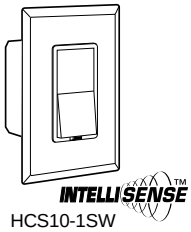


HCM06-1SW

Single-Pole (One Location) or 3-Way (Multi-Location) Switch with Scene Control — Multi-Location Switch provides manual and remote ON/OFF switching for incandescent, fluorescent and low-voltage lighting with magnetic ballasts such as track lighting, chandeliers and multiple high-hats. Provides scene control capability when used with DHC Scene Controller Cat. No. HCCS7-10W (backward compatible with 16400/16450-S and 16400/16450-SD units). Also provides multi-station manual and remote ON/OFF switching when used with Cat. No. MS00R-1 Remote Unit. Equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands. Wires easily into standard wall box. Neutral Connection Required. Packed with Ivory and White Rocker and Frame Kits. Kits for other colors must be purchased separately (See Chart).

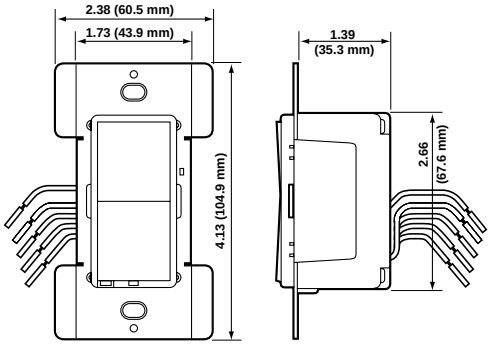
Rated: 10A 120V AC 60 Hz, 1200W Incandescent, 1200VA Fluorescent and Magnetic Low-Voltage Lighting



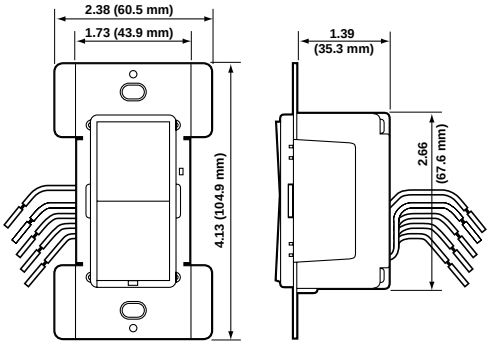
HCS10-1SW

Rocker and Frame Kits for HCM10-1SW & HCM06-1SW					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
———	DRK0D-0LI	DRK0D-0LW	DRK0D-0LG	DRK0D-0LA	DRK0D-0LE

Rocker and Frame Kits for HCS10-1SW					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
———	DRK0S-0LI	DRK0S-0LW	DRK0S-0LG	DRK0S-0LA	DRK0S-0LE



DIMMING SWITCH WITH SCENE CONTROL
Cat. Nos. HCM10-1SW & HCM06-1SW



SWITCH WITH SCENE CONTROL
Cat. No. HCS10-1SW

DHC Powerline Carrier Receivers

DESCRIPTION	CAT. NO.

Single-Pole Incandescent Dimming Switch — Provides manual and remote switching and full-range dimming. Equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, DIM, BRIGHT, and ALL LIGHTS ON/ALL OFF commands. Preset feature turns lights ON at last selected brightness level. Soft ON/Fade OFF feature provides eye-pleasing effect and extended bulb life. Protected memory maintains lighting level during minor power fluctuations. Built-in RFI filter. Wires easily into standard wall box. Packed with Ivory and White Rocker and Frame. Kits for other colors must be purchased separately (See Chart).

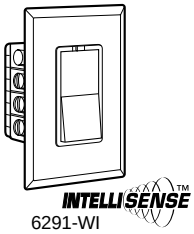
Rated: 120V AC 60Hz
500W max. Incandescent
60W min.

Note: To avoid overheating and possible damage to these units and other equipment, do not use the Cat. No. 6381 to control a receptacle, fluorescent lighting, motor-operated appliances or transformer-supplied loads. When the 6381 is ganged with any other device, the 6381 should not be loaded beyond 400W for a double-gang, or beyond 300W when three or more are ganged together.

6381-WI

Single-Pole (One Location) Switch — Equipped with Intellisense (gated automatic gain control) and provides manual and remote ON/OFF control. Can be set to any of 256 DHC address codes to switch incandescent, inductive or resistive loads where dimming is not required. Responds to ON, OFF, ALL LIGHTS ON/ALL OFF commands. Wires easily into standard wall box using terminal screws. Neutral Connection Required. Pilot light is ON when switch is ON. Code wheels are located beneath rocker plate. Packed with Ivory and White Rocker and Frame. Kits for other colors must be purchased separately (See Chart).

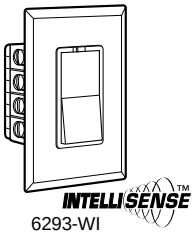
Rated: 15A 120V AC 60Hz Incandescent, Inductive or Resistive



6291-WI

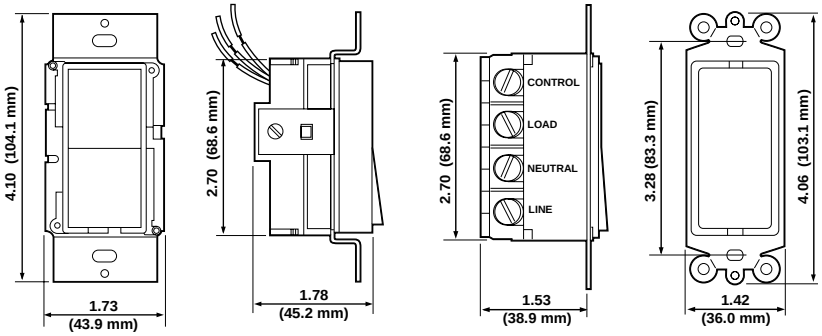
3-Way (Multi-Location) Switch — Equipped with Intellisense (gated automatic gain control). Provides manual and remote ON/OFF control in multi-station switching circuits when used in conjunction with one or more Cat. No. 6294 Remote Switches. The 6293 can be set to any of 256 DHC address codes to switch incandescent, inductive or resistive loads where dimming is not required. Responds to ON, OFF, ALL LIGHTS ON/ALL OFF commands. Wires easily into standard wall box using terminal screws. Neutral Connection Required. Pilot light is ON when switch is ON. Code wheels are located beneath rocker plate. For proper operation, the total length of traveler wire between Multi-Location Switch and Remote should not exceed 90 feet. Packed with Ivory and White Rocker and Frame. Kits for other colors must be purchased separately (See Chart).

Rated: 15A 120V AC 60Hz Incandescent, Inductive or Resistive



6293-WI

All devices are UL Listed and CSA Certified.



SINGLE-POLE INCANDESCENT DIMMING SWITCH
Cat. No. 6381-WI

3-WAY SWITCH
Cat. No. 6293-WI

6381-WI in 80301-W

6293-WI in 80301-W

SPECIFICATIONS & FEATURES

- Fit in standard wallboxes and replace regular switches to provide manual and remote ON/OFF switching of lighting and appliances. 6381-WI dimming switch rated for incandescent lighting only
- Leviton's exclusive Intellisense™ virtually eliminates signal problems due to line noise
- Use existing 60Hz 120V AC house wiring to add multi-location switching without resorting to complicated and costly conventional wiring means
- Decora styled to coordinate with Leviton's Decora line of wiring devices
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- UL 244A Tested (and others where appropriate)

COLOR

Colors available as indicated. See chart for Rocker and Frame Kits (must be purchased separately)

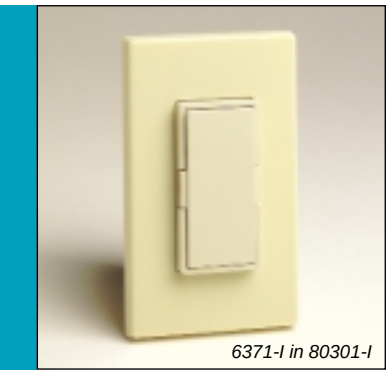
MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating

Operating Temperature: -40°C to 120°C

Rocker and Frame Kits for 6381 Switch					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
6081-M	6081-I	6081-W	6081-GY	6081-A	—
Rocker and Frame Kits for 6291 and 6293 Switch					
6091-M	6091-I	6091-W	6091-GY	6091-A	—

MS00R-10W in 80301-W



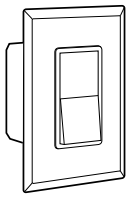
6371-I in 80301-I

DHC Powerline Carrier Receivers

DESCRIPTION	CAT. NO.

3-Way and 4-Way (Multi-Location) Remote Dimming Switch — This unit is only for use as a remote switch with DHC Cat. Nos. HCM10-1SW, HCM06-1SW, and HCS10-1SW Multi-Location Switches with Scene Capability The MS00R-1) provides ON/OFF and DIM/BRIGHT 3-Way, 4-Way and higher-level control in conjunction with these units (Note: 16293 Switch does not provide DIM/BRIGHT control). The MS00R-10 cannot be used for any other purpose in the DHC network. Available in Ivory (-10I), White (-10W), and Almond (-10A). Kits for other colors must be purchased separately (See Chart).

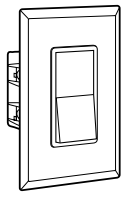
No Load Rating — For use with HCM10-1SW, HCM06-1SW, and HCS10-1SW Units with Scene Control Capability Only



MS00R-10

3-Way and 4-Way (Multi-Location) Remote Switch — For use with DHC Cat. No. 6293 Multi-Location Switches as a remote switch. The 6294 provides 3-Way, 4-Way and higher-level control in conjunction with these units. It cannot be used for any other purpose in the DHC network. The unit wires easily into standard wall box using terminal screws. For proper operation, the total length of traveler wire between Multi-Location Switch and Remote should not exceed 90 feet Available in Mahogany (no dash), Ivory (-I), White (-W), Almond (-A) and Gray (-GY). Specify color(s) when ordering, as snap-on cover and frame kits cannot be used with the 6294.

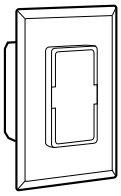
No Load Rating — For use with 6293 Units Only



6294

Double Pole Wall Switch — Equipped with Intellisense (gated automatic gain control). Provides local and remote ON/OFF control. Responds to ON/OFF and ALL OFF commands from controllers. Can be set to any of the 256 DHC address codes. Intended for control of pool pumps, air conditioning units, spa heaters and pumps, and other large residential loads. Wire easily into any standard wall box by means of six-inch leads. Available in Ivory only.

Rated: 20A 2 HP 250V AC 60Hz



INTELLISENSE™

6371-I

SPECIFICATIONS & FEATURES

- Remote Units add multi-location capability to dimmer and switch receivers
- Fit in standard wallboxes to replace regular switches
- Leviton's exclusive Intellisense™ virtually eliminates command signal problems due to line noise
- 6371-I Heavy-duty appliance switch available for automated control of heavy-duty loads such as air conditioning and pool pumps
- Decora styled to coordinate with Leviton's Decora line of wiring devices
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File # LR-54628)
- UL 244A Tested (and others where appropriate)

COLOR

Colors available as listed

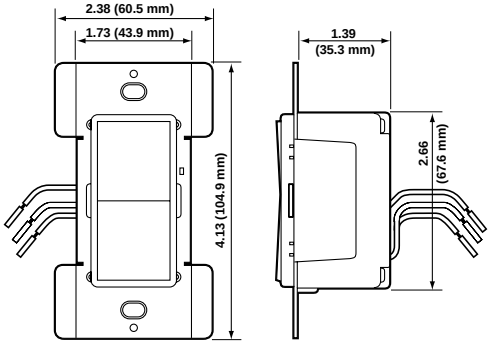
HORSEPOWER

Cat. No 6371-I: 2 HP @ 250V 20A

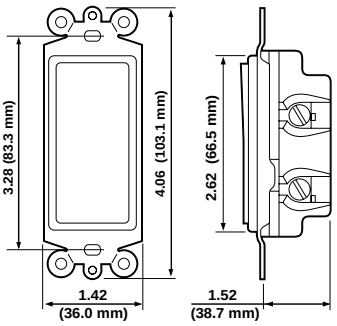
MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating

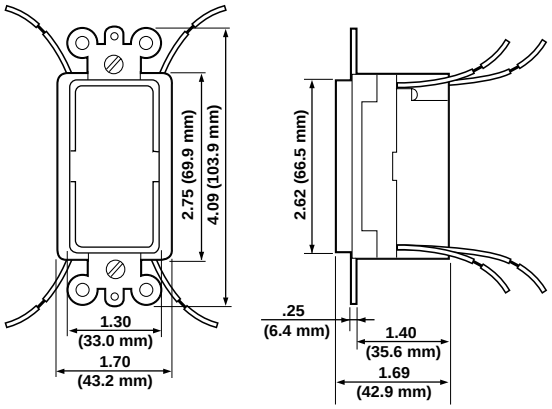
Operating Temperature: -40°C to 120°C



REMOTE DIMMING SWITCH
Cat. No. MS00R-10



REMOTE SWITCH
Cat. No. 6294



DOUBLE POLE SWITCH
Cat. No. 6371-I

Rocker and Frame Kits for MS00R-10 Switch					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
———	DRK0R-00I	DRK0R-00W	DRK0R-00G	DRK0R-00A	DRK0R-00E

DHC Powerline Carrier Receivers

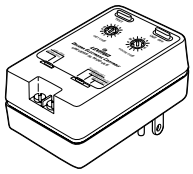
DESCRIPTION CAT. NO.

Universal Low Voltage Module — almost any device operated at low voltages can now be automated using the 6337. This receiver interfaces between the low voltage device and the 120V AC wiring network. It receives an ON or OFF command from DHC Transmitters and can operate sprinkler systems, designated lighting, skylight closures, heating systems, garage door openers and other lighting and motor loads. Simply connect LV wiring to the screw terminal on the module and plug it into any 120V wall outlet.

In addition to switching contacts, the 6337 has a built-in alarm that can be set to sound whenever the switch contacts are closed. The 6337 can be set to operate the relay only, the alarm only, or both the relay and the alarm.

The 6337 can also be set for momentary operation so that the relay and/or the alarm will be turned on for approximately two seconds in response to any ON command. Does not respond to ALL LIGHTS ON or DIM/BRIGHT commands.

Rated: 120V 60Hz AC only. **Contacts:** 5A 12V DC, 100VA 30V DC Inductive



6337

6337

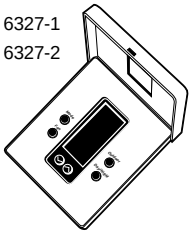
DHC Thermostat — Works like a standard thermostat but will switch to alternate user-programmed settings in response to commands from a DHC Telephone Transponder or other DHC Transmitters. For example, the DHC Thermostat can be set to maintain the temperature of an unoccupied ski lodge between 40 and 45 degrees. This prevents the pipes from freezing and conserves energy. When the lodge will be used on a weekend, the owner can call the DHC Telephone Transponder and command the DHC Thermostat to switch to an alternate setting of approximately 68 to 72 degrees. The lodge will be warm and comfortable when people arrive. The DHC Thermostat is available in two versions: Cat. No. 6327-1 for homes with separate heating and cooling systems, and Cat. No. 6327-2 for homes equipped with heat pumps for climate control.

In the case where the Telephone Transponder LV contacts are not used, the 6337 Low-Voltage Interface can work in conjunction with DHC programmers for temperature set backs and alternate settings for the DHC Thermostat.

Rated: 20-30V AC, 24V AC Nominal

DHC Thermostat 6327-1: For separate heating and air conditioning systems (1-Heat/1-Cool Function)

DHC Thermostat 6327-2: For heat-pump based heating and air conditioning systems (2-Heat/1-Cool Function)



6327-1
6327-2

6327-1,-2

SPECIFICATIONS & FEATURES

- Universal Low Voltage Module can automate devices operated at low voltages such as sprinklers, skylights, and heating/AC systems
- DHC Thermostat provides manual and remote control of heating and cooling systems with Telephone Transponder or Universal Low-Voltage Module
- Backed by a Limited Two-Year Warranty

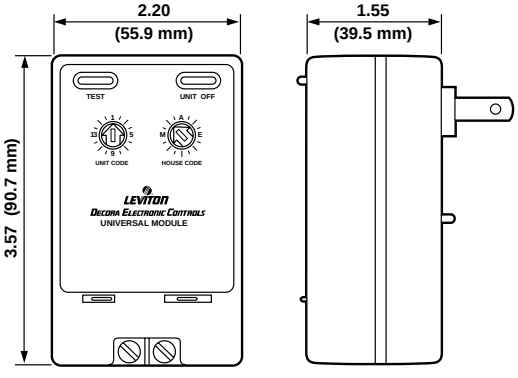
TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)
- UL 244A Tested (and others where appropriate)

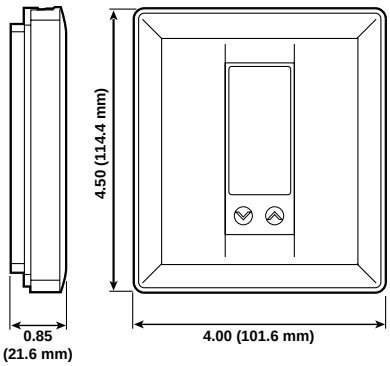
MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C



UNIVERSAL LOW VOLTAGE MODULE
Cat. No. 6337



DHC THERMOSTAT
Cat. No. 6327

6227-W in 80301-W

6280-W in 80301-W

SPECIFICATIONS & FEATURES

- Configurations for all commonly used amperage/voltage house combinations
- Fit in standard wallboxes to provide remote switching
- Leviton's exclusive IIntellisense™ virtually eliminates switching problems due to line noise
- Decora styled to coordinate with Leviton's Decora line of wiring devices
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File # LR-54628)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

COLOR

Basic Cat. No. denotes Brown. For other colors add suffix to cat. nos. as follows: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

DHC Powerline Carrier Receivers

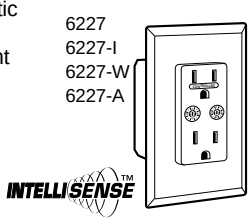
DESCRIPTION	CAT. NO.

Split Duplex Wall Receptacle — Equipped with Intellisense (gated automatic gain control). Top outlet provides ON/OFF control in response to controller command signals. Bottom outlet is continuously live. Local control of any light of appliance plugged into the controlled outlet can be achieved by switching the load ON/OFF switch once or twice. Will not respond to ALL LIGHTS ON command. Fits standard wall boxes and supplied with leads for easy installation.

Rated: 15A 120V 60Hz AC only. **NEMA 5-15R** .

6227
6227-I
6227-W
6227-A

NEMA 5-15R

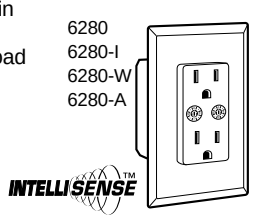


Duplex Wall Receptacle — Equipped with Intellisense (gated automatic gain control). Same as 6227, but with both top and bottom outlets providing ON/OFF control in response to controller command signals. Feed-through load lead allows control of receptacles downstream. Will not respond to ALL LIGHTS ON command. No local control available.

Rated: 15A 120V 60Hz AC only. **NEMA 5-15R**

6280
6280-I
6280-W
6280-A

NEMA 5-15R

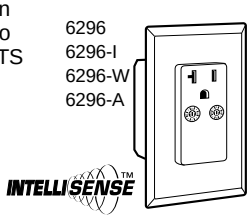


Single Wall Receptacle★— Equipped with Intellisense (gated automatic gain control). Provides ON/OFF control. No local control available. Wires easily into standard wallbox using supplied six-inch leads. Will not respond to ALL LIGHTS ON command.

Rated: 20A 120V 60Hz AC only. **NEMA 5-20R**

6296
6296-I
6296-W
6296-A

NEMA 5-20R

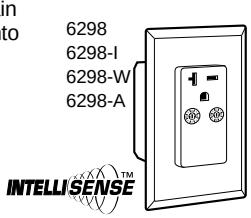


Single Wall Receptacle★— Equipped with Intellisense (gated automatic gain control). Provides ON/OFF control. No local control available. Wires easily into standard wallbox using supplied six-inch leads. Will not respond to ALL LIGHTS ON command.

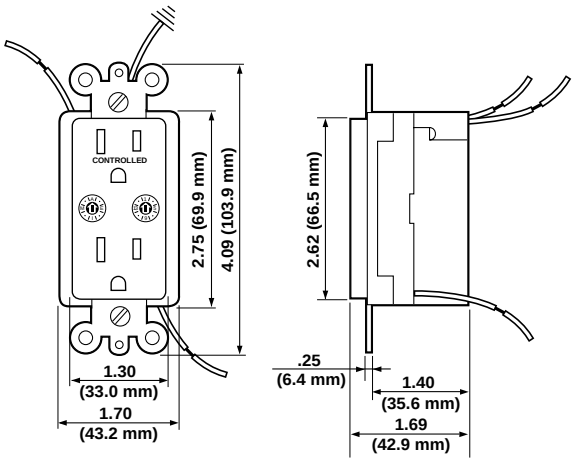
Rated: 20A 250V 60Hz AC only. **NEMA 6-20R**

6298
6298-I
6298-W
6298-A

NEMA 6-20R



All devices are UL Listed. Also CSA Certified except where indicated by★



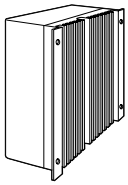
WALL RECEPTACLE
Cat. No. 6227

DHC Powerline Carrier Receiver Modules

DESCRIPTION	CAT. NO.

2000 Watt Dimmer Module — Full range dimming for up to 2,000 watt lighting loads. Unit is surface mounted to control entire circuits or selected incandescent, tungsten halogen (quartz iodine) or low voltage loads. Responds to ALL LIGHTS ON/ALL OFF, ON, OFF, DIM/BRIGHTEN commands from DHC transmitters. Housed in mounting box with terminal strip wiring.

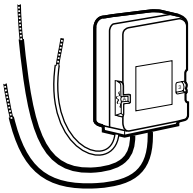
Rated: 2000W, 2000VA, 120V 60Hz AC only.



6290

Fixture Relay Module — Can be mounted at either an incandescent or fluorescent fixture by means of adhesive strips. Responds to ON/OFF and ALL LIGHTS ON/ALL OFF commands from controllers. Equipped with leads for easy installation.

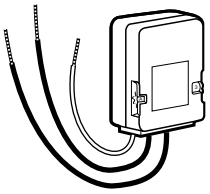
Rated: 15A 120V 60Hz AC only, incandescent, inductive, or resistive.



6375

Dimming Fixture Module — Can be mounted at an incandescent fixture by means of adhesive strips. Responds to ON/OFF, DIM/BRIGHTEN and ALL LIGHTS ON/ALL OFF commands from controllers. Equipped with leads for easy installation.

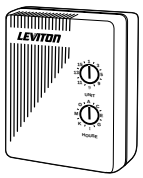
Rated: 300W incandescent 120V 60Hz AC only.



6376

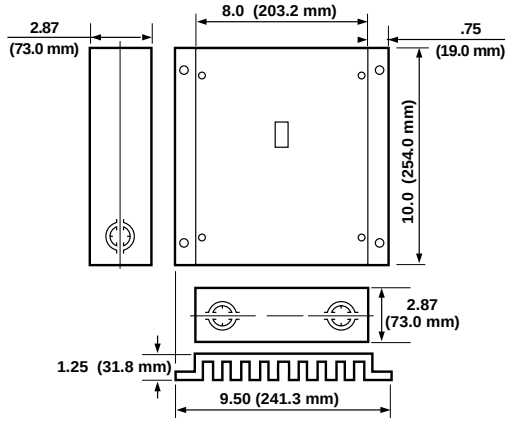
Plug-In Lamp Module — Controls incandescent lamps rated up to 300 watts. Responds to DIM, BRIGHT, and ALL LIGHTS ON/ALL OFF commands. No wiring necessary; plug into 15 Amp AC outlet. Allows local control of any lamp plugged into it. Available in Ivory (-I) and (White (-W).

Rated: 300W 120V AC 60Hz Incandescent Only

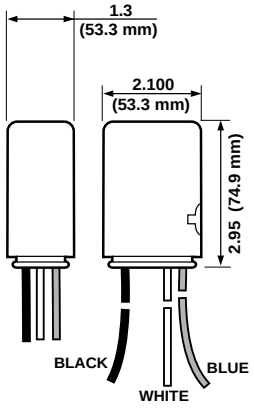


6226

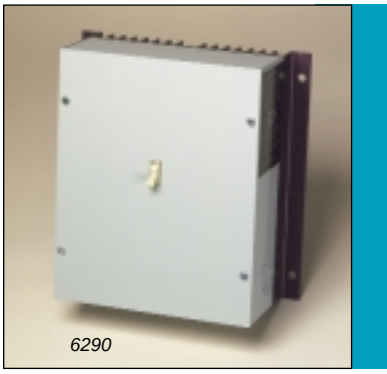
All devices are UL Listed and CSA Certified.



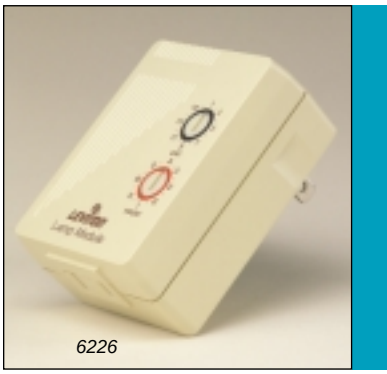
200 WATT DIMMER MODULE
Cat. No. 6290



FIXTURE RELAY MODULE
Cat. No. 6375



6290



6226

SPECIFICATIONS & FEATURES

- Fixture modules provide direct control for fixtures where only remote control is necessary
- 2000 Watt Dimming Module controls heavy loads, including entire circuits
- Plug-In Lamp Module adds convenience of remote ON/OFF and DIM/BRIGHT DHC switching capability to plug-in incandescent lamps
- Backed by a Limited Two-Year Warranty

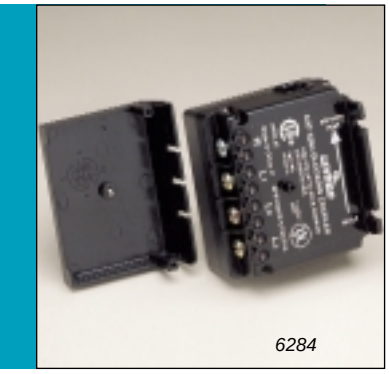
TESTING & CODE COMPLIANCE

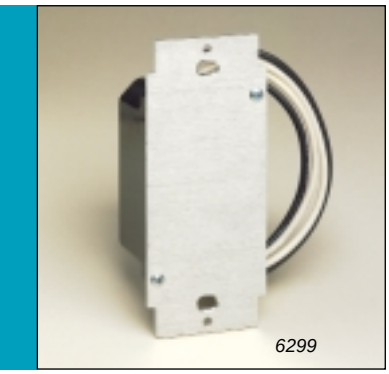
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C


6284


6299

SPECIFICATIONS & FEATURES

- Cat. Nos. 6284 and 6285 used to stop extraneous noise and signals from degrading DHC system operation
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified File #LR-54628 – Cat. Nos. 6299 and 6285)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

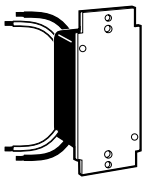
Operating Temperature: -40°C to 120°C

DHC Powerline Carrier Couplers and Filters

DESCRIPTION	CAT. NO.

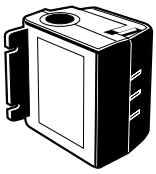
Signal Bridge — Installation of a Signal Bridge helps assure sufficient signal strength throughout 3-wire systems. The Signal Bridge couples the command signal onto the 120V legs of the power system to ensure adequate command signal strength throughout the command network. Use of 6299 is recommended for all installations.

Do not use in same panel with Cat. No. HCA02-10E System Coupler/Repeater


6299

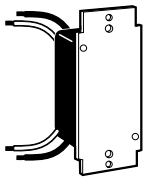
Multi-Phase Blocking Coupler★— Installed between the incoming electrical service panel in apartment buildings, condominiums, attached-unit dwellings and homes sharing the same side of the electrical transformer to keep extraneous electronic noise and signals from entering or leaving the DHC network.

Rated: 120V,120/240V, 120/208V AC 60 Hz Max. 200 Amp panel

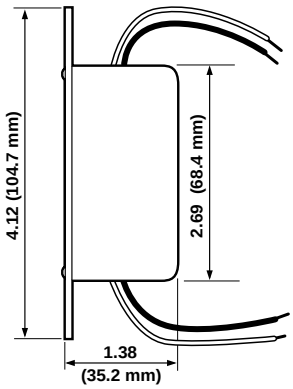

6284

Signal Attenuator — Installation of Cat. No. 6285 Signal Attenuator attenuates (“knocks down”) external noise and signal levels entering the DHC network. It must be used in conjunction with a 6201 System Amplifier to boost the signals within the network. For dimensional line drawings, see Cat. No. 6299 on this page.

Rated: 2-Phase 120/240V & 120/208V AC 60Hz


6285

All devices are UL Listed. Also CSA Certified except where indicated by★



SIGNAL BRIDGE
Cat. No. 6299

DHC Powerline Carrier Couplers and Filters

DESCRIPTION	CAT. NO.

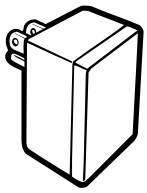
Noise Block — The 6287 is designed for use with DHC switch modules that include a means for connection to neutral. This device may be wired on the LOAD side of a DHC switch module (except 6383), or on the LINE side of any fixture using an electronic ballast, a low-voltage ballast, or any noise-generating source that does not require more than 5A 120V AC. The 6287 prevents interference generated by fixture components from interfering with DHC signals.

Rated: 5A 120V 60Hz AC only.

6287

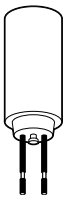
Plug-in Noise Filter — electrical appliances may generate "noise" that could interfere with proper signal transmission. When the offending appliance is isolated and plugged into the 6288 Noise Filter, which is in turn plugged into a receptacle, stray noise is filtered out, ensuring a clear signal. Color: Brown.

Rated: 5A 120V 60Hz AC only.



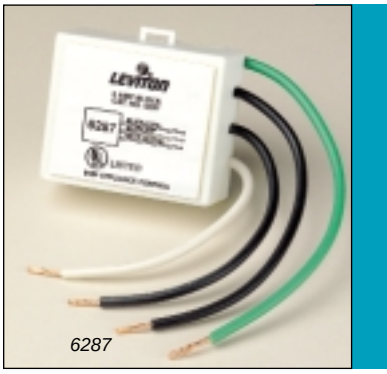
6288

In-Line Noise Reducer — the 6289 Noise Reducer filters electrical "noise" and signals with frequencies above and below the 121 kHz signal. The 6289 may be installed at the "noise" or signal source or at the module affected by the interference. Depending on the source of the interference, the 6289 may be wired phase to neutral or phase to phase.

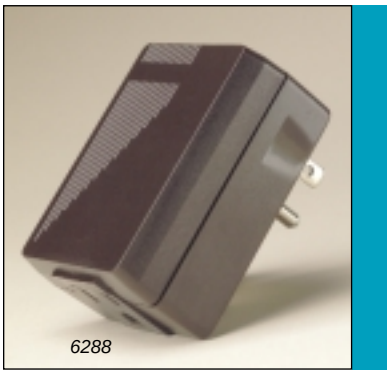


6289

All devices are UL Listed only, not CSA Certified.



6287



6288

SPECIFICATIONS & FEATURES

- These devices are designed to eliminate interference from appliances, electronic ballasts and home electronics in order to insure top performance from DHC systems
- Backed by a Limited Two-Year Warranty

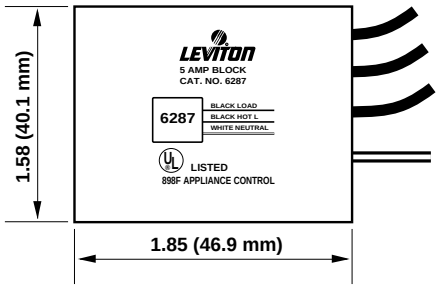
TESTING & CODE COMPLIANCE

- NOM Certified (#057)
- UL Listed (E-66800)

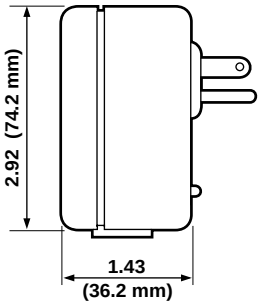
MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

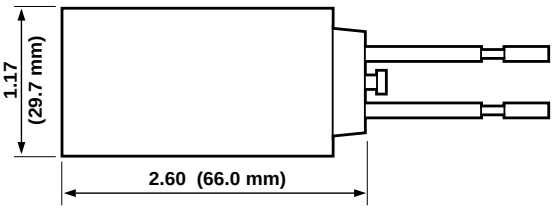
Operating Temperature: -40°C to 120°C



NOISE BLOCK
Cat. No. 6287



PLUG-IN NOISE FILTER
Cat. No. 6288



IN-LINE NOISE REDUCER
Cat. No. 6289

6385

6386

SPECIFICATIONS & FEATURES

- Signal strength testing equipment used to ensure proper operation of DHC system
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

MATERIAL CHARACTERISTICS

Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

DHC Powerline Carrier Test Equipment

DESCRIPTION	CAT. NO.
Signal Test Transmitter — Automatic test transmitter continually sends ON and OFF signals for command signal verification when plugged into 120V receptacle. For use with 6386 Signal Strength Indicator.	6385
Signal Strength Indicator — Measures command signal strength at individual module locations. Minimum signal strength required for proper DHC Powerline Carrier component operation is 100mV. For use with 6385 Signal Strength Indicator.	6386

All devices are UL Listed only, not CSA Certified.

AC Switches

Industrial, Commercial Specification and Residential Grade

Leviton supplies a complete line of 15, 20 and 30 Amp AC switches for controlling resistive and inductive loads and motors. A full selection of ratings is available in Industrial Specification Grade, Commercial Specification Grade and Residential Grade.

The following pages provide a comprehensive overview of the complete Leviton AC Quiet Switches product line. Ordering information will help you select the switches best suited to meet your application requirements.

INDUSTRIAL GRADE SWITCHES

Overview ____ C1
Back and Side Wired ____ C2
- Toggle ____ C2
- Locking ____ C2
- Canadian 347V AC ____ C2
- Pilot Light ____ C3
- Lighted Handle ____ C3
- Maintained Contact ____ C4
- Momentary Contact ____ C4

Side Wired ____ C5
- Toggle ____ C5
- Locking ____ C5

AC Manual Motor and Welder Starting C6
Corbin Lock-Type ____ C7

COMMERCIAL GRADE SWITCHES

Overview ____ C8
Back and Side Wired ____ C9
- Toggle ____ C9

Side Wired ____ C9
- Toggle ____ C9
- Hospital Call ____ C9
- Framed Toggle ____ C9
- Canadian 120/277V AC ____ C9
- Framed Toggle ____ C9
- Lighted Toggle ____ C10
- Canadian 347V AC ____ C10
- Framed Toggle ____ C10
- Surface Mount ____ C10

RESIDENTIAL GRADE SWITCHES

Quickwire and Sidewire ____ C11
- Illuminated Toggle ____ C11
- CO/ALR ____ C11

SECTION C

IND INDUSTRIAL SPECIFICATION GRADE

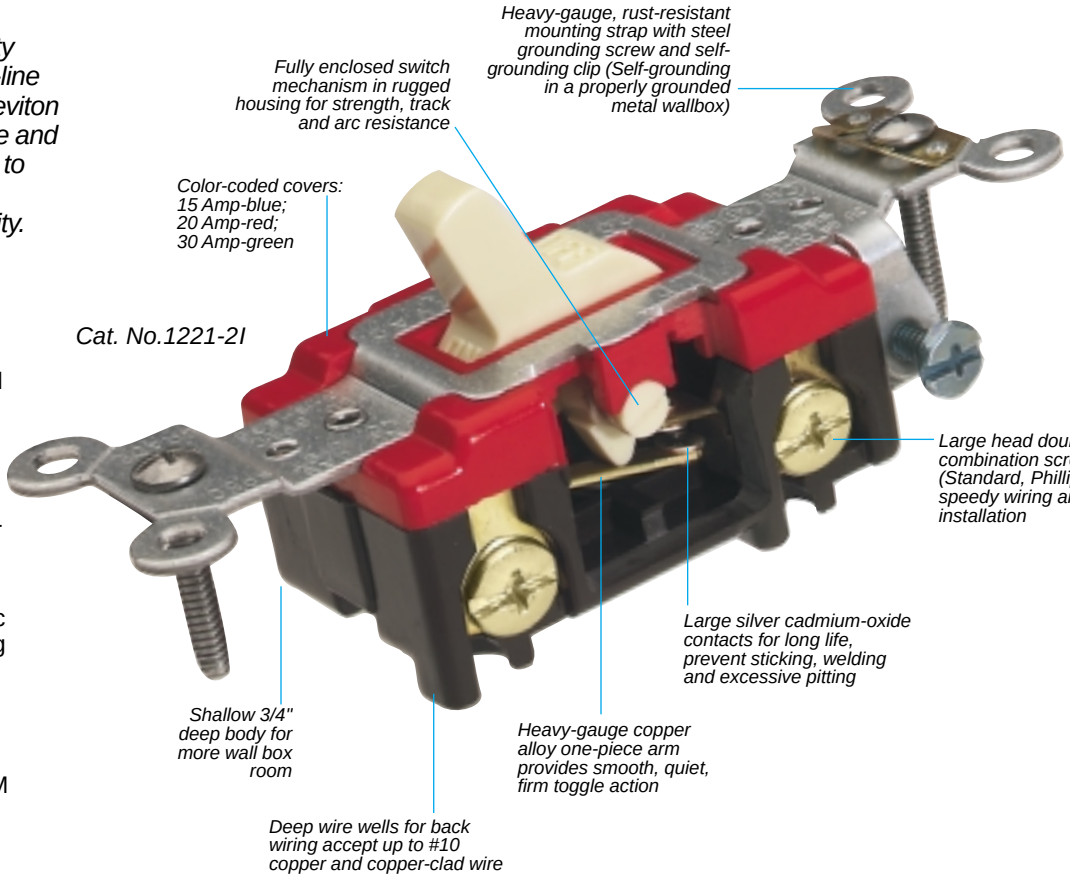
LEVITON Building a Connected World

AC Switches

Leviton's Industrial Specification Grade AC switches for heavy-duty applications represent top-of-the-line quality and peak performance. Leviton uses the finest materials available and the highest production standards to produce industrial switches of unmatched versatility and reliability.

Features and Benefits

- Top-of-the-line industrial-grade quality for peak performance and rugged, long-lasting service
- All screws are double-drive and accept Standard and Phillips screwdrivers
- Clamp-type back-wire terminals for secure connection of solid or stranded wire
- Sturdy, long-lasting thermoplastic toggles provide smooth switching action and long life
- UL listed (UL E-7458) to meet the latest Federal Specification, WS-896; CSA Certified (CSA LR-3413) where applicable; NOM Certified; complies with NEMA and ANSI requirements
- Backed by a Limited 10-Year Warranty



A Complete Line of Industrial Specification Grade Switches

Back and Side Wired

Maximum versatility for speedy installation. Top-of-the-line quality for long service life.

Cat. No. 1201-2

Side Wired

Sturdy, rugged and cost effective.

Cat. No. 1101-2W

Pilot Light

When power to the load is turned on, switch toggle is illuminated for visual confirmation.

Cat. No. 1201-PLC

Lighted Handle

Toggle glows softly when power is off to serve as locator in darkened rooms.

Cat. No. 1221-LHI

Locking

Designed to prevent tampering and unauthorized switching.

Cat. No. 1101-2L

Maintained and Momentary Contact

Available in a variety of ratings.

Cat. No. 1257

Corbin Lock-type

Key-operated locking mechanism for maximum tamper-proof operation

Cat. No. 1221-2KL

AC Manual Motor Starting

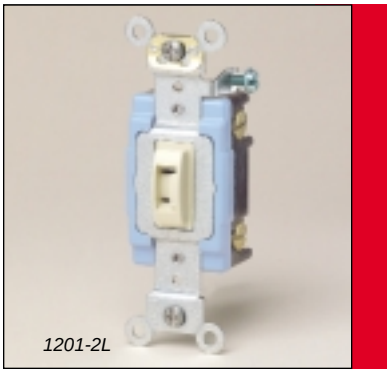
For control of horse-power-rated and other inductive and resistive loads

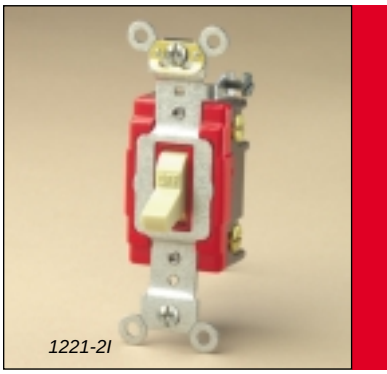
Cat. No. MS303

Back and Side Wired 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP	30 AMP	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole Toggle	1201-2	1221-2	3031-2	**15A:** I, W, GY, R **20A:** I, W, GY, R, E, A **30A:** I, W, R
Single-Pole Locking†	1201-2L	1221-2L	3031-2L	**15A:** I; **20A:** I, W, GY, R
Double-Pole Toggle	1202-2	1222-2	3032-2	**15A:** I, W, G **20A:** I, W, GY, R, E **30A:** I, W
Double-Pole Locking†	1202-2L	1222-2L	3032-2L	**20A:** I, GY
3-Way Toggle	1203-2	1223-2	3033-2	**15A:** I, W, GY, R **20A:** I, W, GY, R, E **30A:** I, W
3-Way Locking†	1203-2L	1223-2L	3033-2L	**15A:** I **20A:** I, W, GY
4-Way Toggle	1204-2	1224-2	———	**15A:** I, W, GY **20A:** I, W, GY, R, E
4-Way Locking†	1204-2L	1224-2L	———	**20A:** I, GY

†Key for Locking Switch: Cat. No. 55500

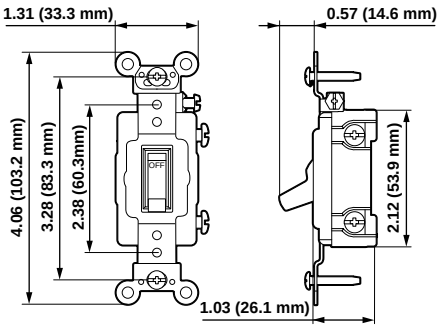

1201-2L


1221-2I

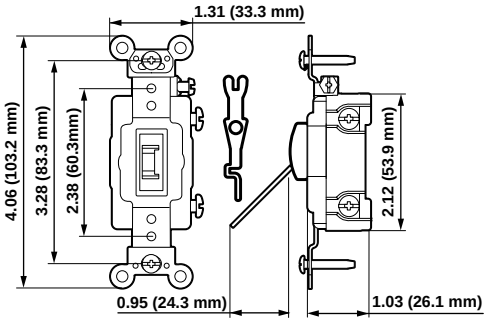
Back and Side Wired Canadian 347V AC Quiet Switches

DESCRIPTION	15 AMP 347V AC	20 AMP 347V AC	COLOR** *See Canadian Color*
Single-Pole Toggle	18201	18221	**15A & 20A:** I, W, B, R, G
Single-Pole Locking†	18201-L	18221-L	**15A & 20A:** B only
Double-Pole Toggle	18202	18222	**15A & 20A:** I, B
Double-Pole Locking†	18202-L	18222-L	**15A & 20A:** B only
3-Way Toggle	18203	18223	**15A & 20A:** I, W, B, R, G
3-Way Locking†	18203-L	18223-L	**15A & 20A:** B only
4-Way Toggle	18204	18224	**15A:** I, B, R, G **20A:** I, B
4-Way Locking†	18204-L	18224-L	**15A & 20A:** B only

†Key for Locking Switch: Cat. No. 55500.



TOGGLE 1201-2, 1221-2



LOCKING 1201-2L, 1221-2L

SPECIFICATIONS & FEATURES

- Top-of-the-line industrial quality
- Heavy gauge copper alloy one-piece arm for top performance
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Color-coded covers: 15 Amp-blue; 20 Amp-red; 30 Amp-green
- See Section T for more technical information

TESTING & CODE COMPLIANCE

- Meets all NEMA WD-1 & ANSI requirements
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Red (-R), Black/Ebony (-E), Almond (-A).

**CANADIAN COLOR

For color selection, add suffix to catalog number as follows: Ivory (-I), White (-W), Brown (-B), Red (-R), and Gray (-G).

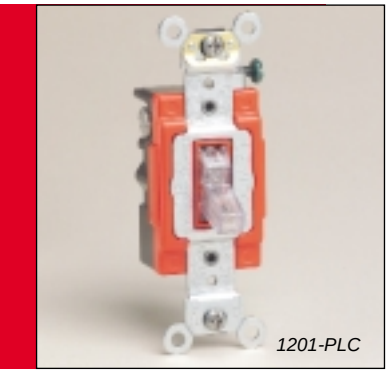
HORSEPOWER

15A	20A	30A
½ @120V 2 @ 240V	1 @ 120V 2 @ 240V	2 @ 120V 2 @ 240V

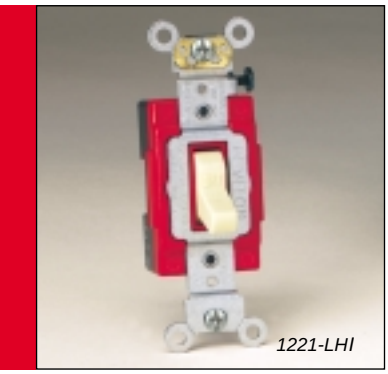
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.



1201-PLC



1221-LHI

SPECIFICATIONS & FEATURES

- Pilot light and lighted handle switches provide top performance in punishing industrial applications
- Lighted handle illuminated when load is off. Pilot light toggle illuminated when load is on.
- 120 and 277V versions in single pole and 3-way
- Fully enclosed switch mechanism in rugged housing for strength, track and arc resistance
- See section T for more technical information

TESTING & CODE COMPLIANCE

- Meets all requirements for NEMA WD-1, ANSI
- Meets Federal Specification WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- UL 20 Test and others as appropriate
- Backed by a Limited 10-Year Warranty

HORSEPOWER

15A	20A	30A
½ @120V	1 @ 120V	2 @ 120V
2 @ 240V	2 @ 240V	2 @ 240V

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Pilot Light and Lighted Handle

Back and Side Wired Pilot Light

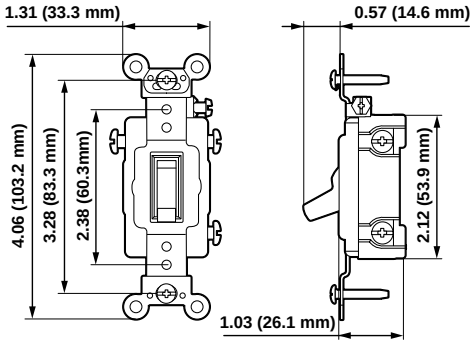
DESCRIPTION*	15 AMP 120V	20 AMP 120V	30 AMP 120V	20 AMP 277V
Single-Pole	1201-PL	1221-PL	3031-PL	1221-7P
Double-Pole	1202-PL	1222-PL	3032-PL	1222-7P
3-Way	1203-PL	1223-PL	———	1223-7P

Note: Pilot light switches require a neutral wire; Illuminated switches do not require a neutral wire.
*Available toggles for these devices : Clear (-PLC), Red (-PLR), Green (-PLG).

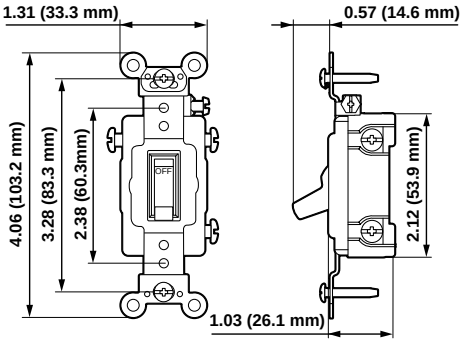
Back and Side Wired Lighted Handle

DESCRIPTION†	15 AMP 120V	20 AMP 120V	30 AMP 120V	20 AMP 277V
Single-Pole	1201-LH	1221-LH	3031-LH	1221-7L
3-Way	1203-LH	1223-LH	———	1223-7L

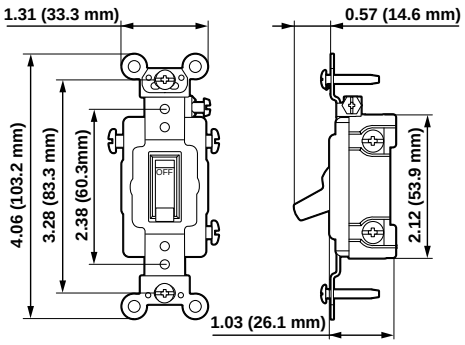
Note: Pilot light switches require a neutral wire; Illuminated switches do not require a neutral wire.
†Available toggles for these devices : Clear (-LHC), Ivory (-LHI), White (-LHW).



3-WAY Cat. No. 1203-2, 1223-2



LIGHTED HANDLE (GLOWS WHEN LOAD IS OFF)
Cat. No. 1201-LH, 1221-LH



PILOT LIGHT (GLOWS WHEN LOAD IS ON)
Cat. No. 1201-PLC, 1221-PLC

Maintained and Momentary Contact

Back and Side Wired Maintained Contact 120/277V AC

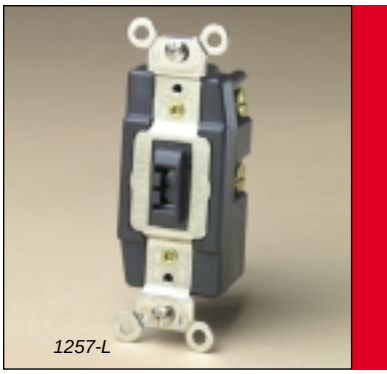
DESCRIPTION	15 AMP	20 AMP	30 AMP	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole, Double Throw, Center Off	1281	1285	1287	**15A:** I **20A:** I, W, GY **30A:** I
Single-Pole, Double Throw, Center Off, Locking†	1281-L	1285-L	1287-L	**15, 20 & 30A:** E only
Double-Pole, Double Throw, Center Off	1282	1286	1288	**15A:** I, W **20A:** I, W **30A:** I, W
Double-Pole, Double Throw, Center Off, Locking†	1282-L	1286-L	1288-L	**15, 20 & 30A:** E only

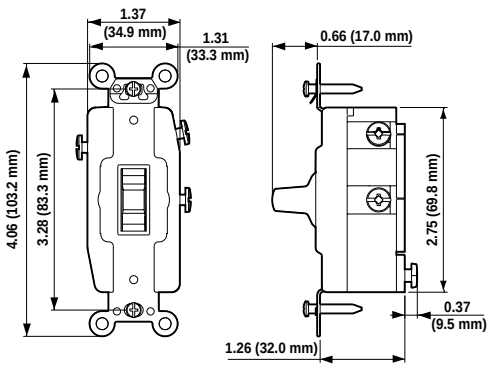
†Key for Locking Switch: Cat. No. 55500

Back and Side Wired Momentary Contact 120/277V AC

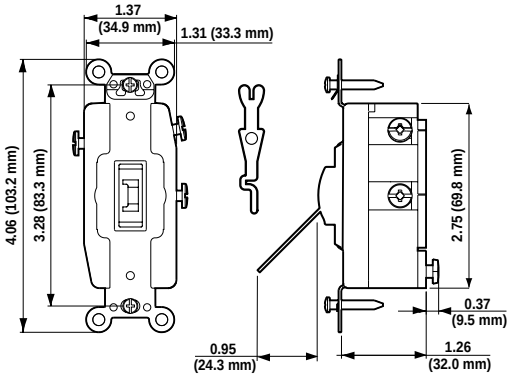
DESCRIPTION	15 AMP	20 AMP	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole, Double-Throw, Center Off	1256	1257	**15 & 20A:** I, W, GY
Single-Pole, Double-Throw, Center Off, Locking†	1256-L	1257-L★	**15 & 20A:** I

†Key for Locking Switch: Cat. No. 55500.
All devices are UL Listed. Also CSA Certified except where indicated by★

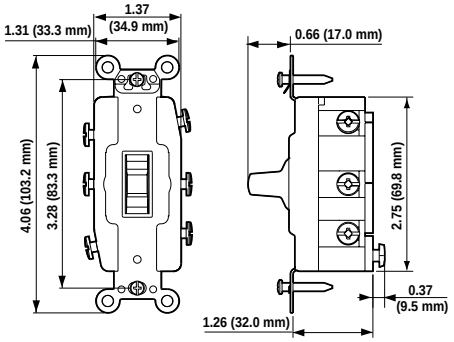




SINGLE-POLE, DOUBLE THROW
Cat. No. 1256, 1257, 1281, 1285, 1287



SINGLE-POLE, DOUBLE THROW LOCKING
Cat. No. 1256-L, 1257-L, 1281-L 1285-L, 1287-L



DOUBLE POLE, DOUBLE THROW MOMENTARY AND MAINTAINED
Cat. No. 1282, 1286, 1288

SPECIFICATIONS & FEATURES

- Single-Pole and Double-Pole versions, toggle or locking
- Positive switching action with center-off position
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Clamp-type terminals accept up to #10 CU wire
- Full rated current capacity on fluorescent, tungsten and resistive loads; motor load capacity up to 80% switch current rating
- See section T for more technical information

TESTING & CODE COMPLIANCE

- Meets all requirements for NEMA WD-1, ANSI
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (W-), Gray (-GY), Black/Ebony (-E).

HORSEPOWER

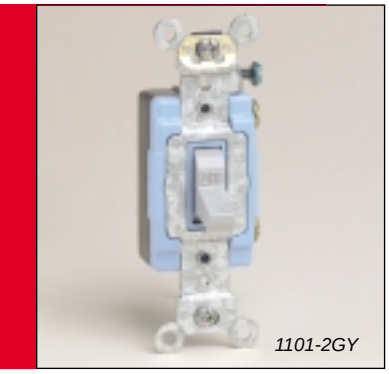
15A	20A	30A
½ @120V 2 @ 240V	1 @ 120V 2 @ 240V	2 @ 120V 2 @ 240V

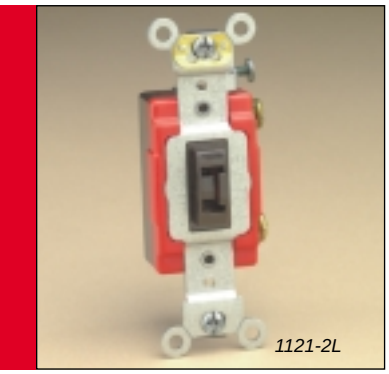
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

AC Switches


1101-2GY


1121-2L

Side Wired 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole Toggle	1101-2	1121-2	**15A:** I, W, GY **20A**: I, W, GY, R, E
Single-Pole Locking†	1101-2L	1121-2L	
Double-Pole Toggle	1102-2	1122-2	**15A:** I **20A:** I, W, GY
Double-Pole Locking	1102-2L	1122-2L	
3-Way Toggle	1103-2	1123-2	**15A:** I, W, GY **20A:** I, W, GY, R
3-Way Locking†	1103-2L	1123-2L	
4-Way Toggle	1104-2	1124-2	**15A:** I **20A:** I, W, GY, R
4-Way Locking†	1104-2L	1124-2L	

†Key for Locking Switch: Cat. No. 55500.

SPECIFICATIONS & FEATURES

- Rugged construction for trouble-free service in industrial environments
- Heavy-gauge copper alloy one-piece arm for smooth, quiet, firm toggle action
- Large silver cadmium-oxide contacts for long life, prevent sticking, welding and excessive pitting
- Large head, deep-slotted terminal screws for fast, easy wiring; accept up to #10 copper and copper-clad wire
- See section T for more technical information

TESTING & CODE COMPLIANCE

- Meets all requirements for NEMA WD-1, ANSI
- UL Listed (File #E-7458) to meet the latest Federal Specification, WS-896
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Red (-R), Black/Ebony (-E).

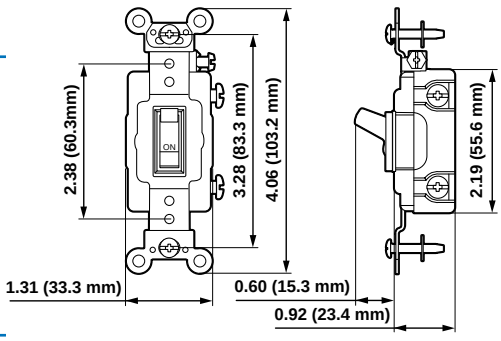
HORSEPOWER

15A	20A	30A
½ @120V 2 @ 240V	1 @ 120V 2 @ 240V	2 @ 120V 2 @ 240V

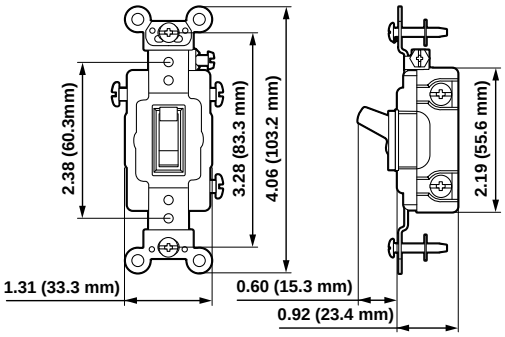
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

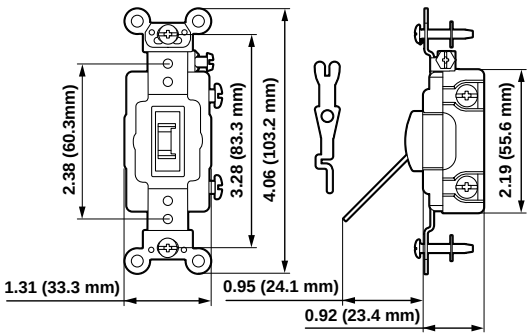
For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.



SINGLE-POLE TOGGLE
Cat. No. 1101-2, 1121-2



3-WAY TOGGLE
Cat. No. 1103-2, 1123-2



SINGLE-POLE LOCKING
Cat. No. 1101-2L, 1121-2L

AC Manual Motor and Welder Starting Switches

Back and Side Wired AC Manual Motor Starting Switches 30 AMP 600V AC

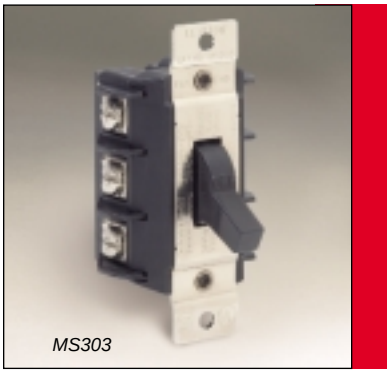
DESCRIPTION	MAX. HORSEPOWER RATING	CAT. NO.
Double-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	2HP 120V AC 5HP 240V AC 10HP 480V AC 15HP 600V AC	MS302
Three-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	3HP 120V AC 7.5HP 240V AC 15HP 480V AC 20HP 600V AC	MS303

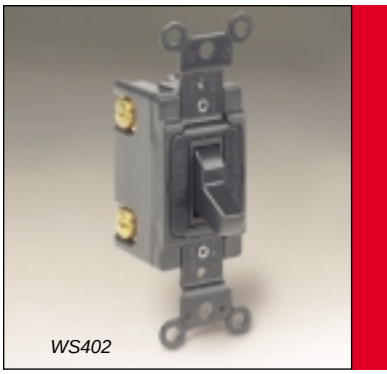
Back and Side Wired AC Manual Motor Starting Switches 40 AMP 600V AC

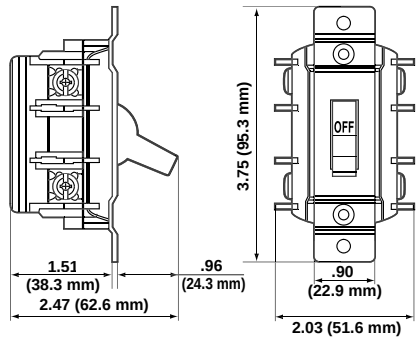
DESCRIPTION	MAX. HORSEPOWER RATING	CAT. NO.
Double-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	2HP 120V AC 10HP 480V AC 15HP 600V AC 5HP 240V AC	MS402
Three-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	3HP 120V AC 7.5HP 240V AC 15HP 480V AC 20HP 600V AC	MS403

Side Wired AC Manual Welder Starting Switches 40 AMP 600V AC

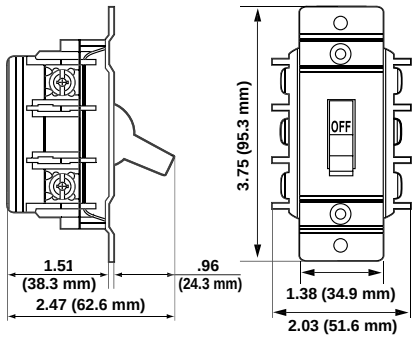
DESCRIPTION	MAX. HORSEPOWER RATING	CAT. NO.
Double-pole, single-throw AC manual welder starting switch. Color: Black	5HP 250V AC	WS402



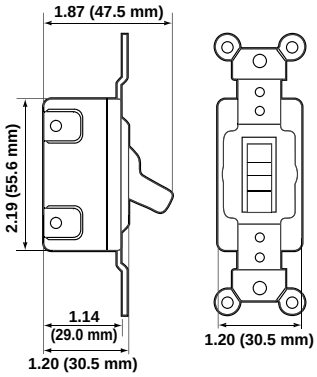




Cat. Nos. MS302, MS303



Cat. Nos. MS402, MS403



Cat. No. WS402

SPECIFICATIONS & FEATURES

MS Switches

- All molded parts are thermoplastic to resist impacts, chemicals, temperature, tracking and arcing
- Positive-contact design enhances fast-make/ slow-break
- Silver-alloy contacts for maximum conductivity and service life
- Back and side wire terminals accept up to #10 AWG solid copper wire. For stranded #8 AWG wire, remove terminal clamp and use ring terminal
- Oversized #10 triple-combination terminal screws are vibration resistant
- Insulating barrier between terminals provide isolation from each phase
- Nickel-plated brass mounting strap for superior corrosion resistance
- Large toggle provides positive actuation, even with gloved hand

WS Switches

- Capable of accommodating bus bar termination in multi-gang applications
- Hole for mounting hardware supports panel mounting with self-threading fasteners or pop rivets
- Terminal screws accept up to # 10 AWG solid copper wire. For stranded # 8 AWG wire, remove terminal clamp and use ring terminal
- Fast-threading, corrosion-resistant brass triple-combination screws for fast, easy installation

TESTING & CODE COMPLIANCE

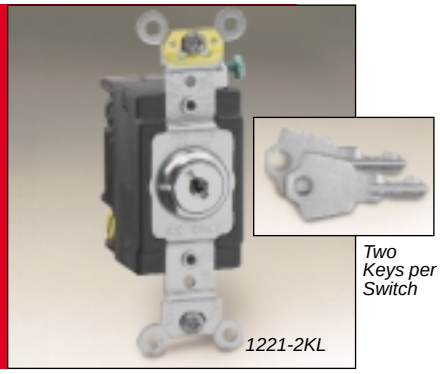
- MS devices: UL & CUL Listed (File # E-54101)
- WS devices: UL Recognized Component (File # E-63969)
- MS & WS devices comply with UL 508
- Backed by a Limited Ten-Year Warranty

MATERIAL CHARACTERISTICS

UL94 VO Flammability Rating
Operating Temperature: -40°C to 65°C

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

AC Corbin Lock-Type Switches

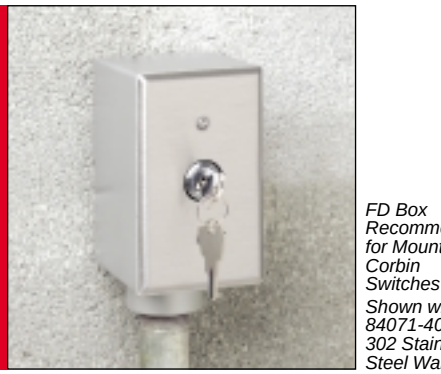


Two Keys per Switch

1221-2KL

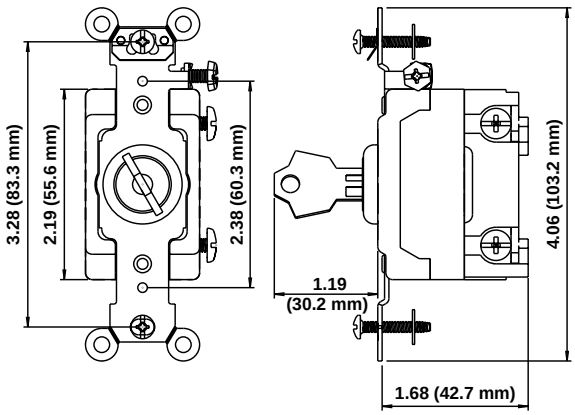
Back and Side Wired Corbin Lock-Type Switches 20 AMP 120/277V AC

DESCRIPTION	CAT. NO.
Single-Pole Corbin Switch, 2 keys provided	1221-2KL
Double-Pole Corbin Switch, 2 keys provided	1222-2KL
3-Way Corbin Switch, 2 keys provided	1223-2KL
4-Way Corbin Switch, 2 keys provided	1224-2KL
Replacement Keys, 2 per pack	2KL
Single-Gang Type-302 Stainless Steel Wallplate, with spanner screws and spanner tool	84071-40

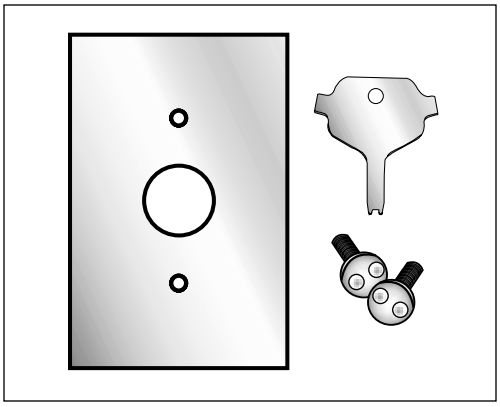


FD Box Recommended for Mounting Corbin Switches — Shown with 84071-40 Type 302 Stainless Steel Wallplate

FD Box with a minimum internal depth of 2 1/2" (63.5 mm) is recommended for mounting Corbin Lock-Type Switches
Corbin Lock-Type Switches are not recommended for use on Master or Emergency Power Systems.



FOR ALL CORBIN LOCK-TYPE SWITCHES



Cat. No. 84071-40 w/Spanner Screws & Spanner Tool

SPECIFICATIONS & FEATURES

- Key-operated locking mechanism for maximum tamper-proof operation in schools, institutions, public housing, trailer parks, loading docks, freight yards and other areas
- Chrome lock dome with 2 keys provided per switch
- Back and side wire terminals accept up to #14 – # 10 AWG copper or copper clad wire
- Large, slotted terminal screws with clamp-type back-wire terminals
- Triple-combination mounting screws for fast, easy installation
- Heavy-gauge rust-resistant mounting strap with steel grounding screw and self-grounding clip (self grounding when used in a properly grounded metal wallbox)

TESTING & CODE COMPLIANCE

- Meets NEMA WD-1, WD-6 & ANSI requirements
- Meets Federal Specifications WS-896
- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Ten-Year Warranty

HORSEPOWER

15A	20A
½ @120V	1 @ 120V
2 @ 240V	2 @ 240V
12 Amp Max.	16 Amp Max.

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

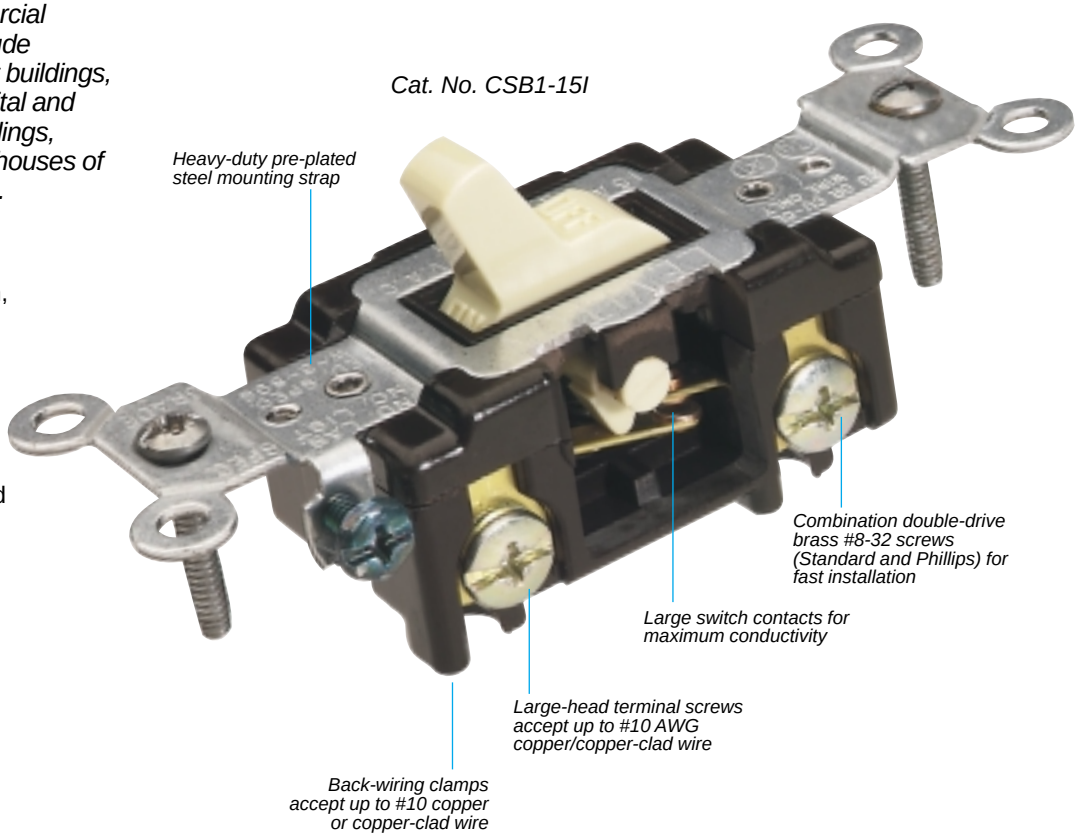
For more information on wallplates for Corbin Lock-Type Switches, see pages G20 and G42.

AC Quiet Switches

Leviton's Commercial Grade switches are designed to offer outstanding reliability and top performance in commercial settings. Ideal applications include municipal facilities, government buildings, malls, department stores, hospital and health care facilities, office buildings, schools, colleges, universities, houses of worship and cultural institutions.

Features and Benefits

- Listed UL Federal Specification, WS-896
- Heavy-duty pre-plated steel mounting strap for maximum strength
- All screws are combination-head for fast installation with Standard and Phillips head screwdrivers
- Both back- and side-wired and side-wired versions accept up to #10 AWG stranded copper or copper-clad conductors for maximum versatility
- Backed by a Limited 10-Year Warranty



High-Quality, Long Life Switches for Commercial Applications

Back and Side Wired

Rugged, high-quality, performer.

Cat. No. CSB1-15W

Framed Toggle

For neater finished appearance.

Cat. No. 54501-2

Lighted Toggle

Lights up when power is off, easy to locate in darkened rooms.

Cat. No. 5501-LHI

Side Wired

Sturdy, rugged, cost effective.

Cat. No. CS315-2

Hospital Call Switch

Designed for demanding health-care applications.

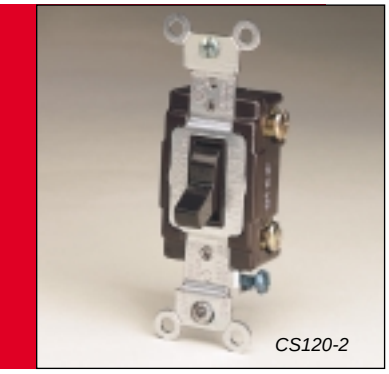
Cat. No. 5501-8

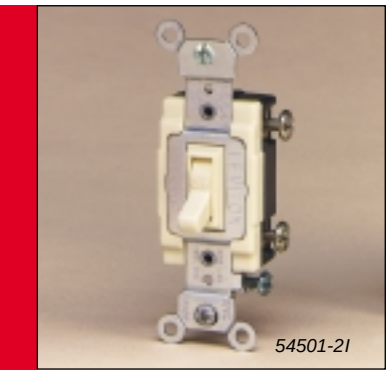
Canadian 347V AC

Available in single-pole, double-pole, 3-way, 4-way.

Cat. No. 18201-R

COMMERCIAL SPECIFICATION GRADE


CS120-2


54501-2I

SPECIFICATIONS & FEATURES

- Large head double-drive combination screws (Standard, Phillips) for fast wiring
- Heavy-gauge, rust-resistant steel mounting strap
- Accept up to #10 copper or copper-clad wire
- Convenient break-off plaster ears for best alignment
- Large switch contacts for maximum conductivity
- See section T for more technical information

TESTING & CODE COMPLIANCE

- UL Listed to meet the latest Federal Specification, WS-896 (File #E-748)
- Meets all requirements for NEMA WD-1, ANSI
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Almond (-A)

**CANADIAN COLOR

For color selection, add suffix to catalog number as follows: Ivory (-I), White (-W), Brown (-B), and Gray (-G).

HORSEPOWER

15A	20A
½ @120V	1 @ 120V
2 @ 240V	2 @ 240V

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Back and Side Wired 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP *Basic Cat. No. Denotes Brown*	COLOR*
Single-Pole Toggle	CSB1-15	CSB1-20	**15A & 20A:** I, W, GY, A
Double-Pole Toggle	CSB2-15	CSB2-20	**15A & 20A:** I, W, GY, A
3-Way Toggle	CSB3-15	CSB3-20	**15A & 20A:** I, W, GY, A
4-Way Toggle	CSB4-15	CSB4-20	**15A & 20A:** I, W, GY, A

Side Wired 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP *Basic Cat. No. Denotes Brown*	COLOR*
Single-Pole Toggle★	CS115-2	CS120-2	**15A & 20A:** I, W, GY, A
Single-Pole Hospital Call Switch†★	5501-8	———	**15A:** I
Double-Pole Toggle★	CS215-2	CS220-2	**15A & 20A:** I, W, GY **20A:** I, W, GY, A
Double-Pole Hospital Call Switch†	5502-8	———	**15A:** Ivory Only
3-Way Toggle★	CS315-2	CS320-2	**15A & 20A:** I, W, GY, A
4-Way Toggle★	CS415-2	CS420-2	**15A & 20A:** I, W, GY, A
Single-Pole, Framed Toggle	54501-2	54521-2	**15A & 20A:** I, W, GY
Double-Pole, Framed Toggle	54502-2	54522-2	**15A & 20A:** I, W, GY
3-Way, Framed Toggle	54503-2	54523-2	**15A & 20A:** I, W, GY
4-Way, Framed Toggle	54504-2	54524-2	**15A:** I, W, GY, A **20A:** I, W, GY

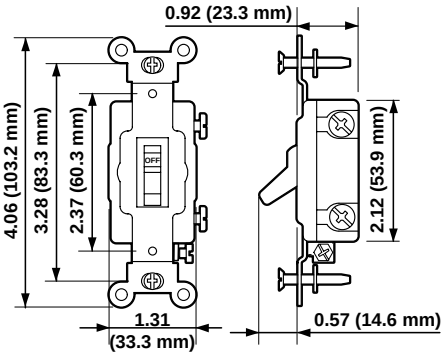
†Hospital Call Switches turn on when toggle is pulled down; have 3-foot braided cord.

Note: Cat. No. 54501-2 series is identified in Canada by the following catalog numbers:

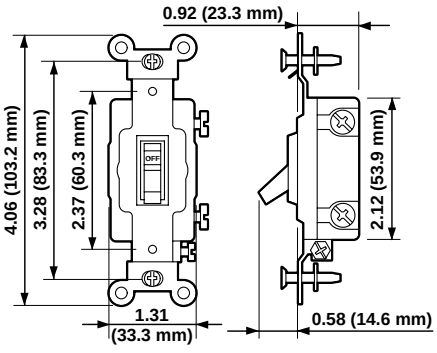
Side Wired Canadian 120/277V AC Quiet Switches

DESCRIPTION	15 AMP	20 AMP *See Canadian Color*	COLOR**
Single-Pole, Framed Toggle	1101-C	54521-2	**20A:** I, W, B, G
Double-Pole, Framed Toggle	1102-C	54522-2	**20A:** I, W, B, G
3-Way, Framed Toggle	1103-C	54523-2	**20A:** I, W, B, G
4-Way, Framed Toggle	1104-C	54524-2	**20A:** I, W, B, G

All devices are UL Listed. Also CSA Certified except where indicated by★



TOGGLE SWITCH
Cat. No. CS115-2, CS120-2



FRAMED TOGGLE
Cat. No. 54501-2, 54521-2

Side Wired Lighted Toggle 15 AMP 120V AC Only

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole Lighted Toggle	5501-LHI	**15A:** I, W
3-Way Lighted Toggle	5503-LHW	**15A:** I, W

Surface Mounting, Bottom Wired 10 AMP 125V 5 AMP 250V Framed Toggle

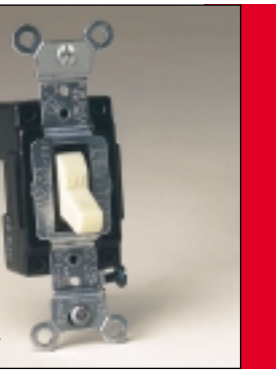
DESCRIPTION	CAT. NO.	COLOR *Basic Cat. No. Denotes Brown*
Single-Pole, Surface Mounting, Framed Toggle	1210	I, W

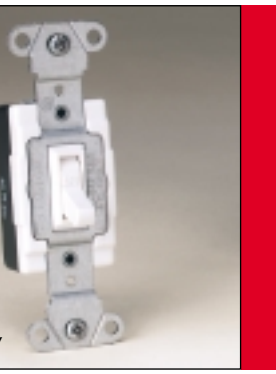
- Slotted phenolic or urea cover snaps in place
- Wood screw furnished for surface mounting

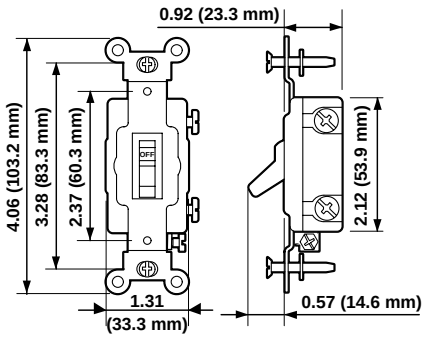
Side Wired Canadian 15 AMP 347V AC

DESCRIPTION	CAT. NO.	COLOR** *See Canadian Color*
Single-Pole, Framed Toggle	18201-C	**15A:** I, W, B, G
Double-Pole, Framed Toggle	18202-C	**15A:** I, W, B, G
3-Way, Framed Toggle	18203-C	**15A:** I, W, B, G
4-Way, Framed Toggle	18204-C	**15A:** I, W, B, G

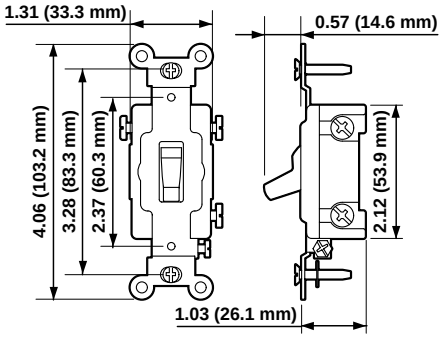
All devices are UL Listed and CSA Certified.



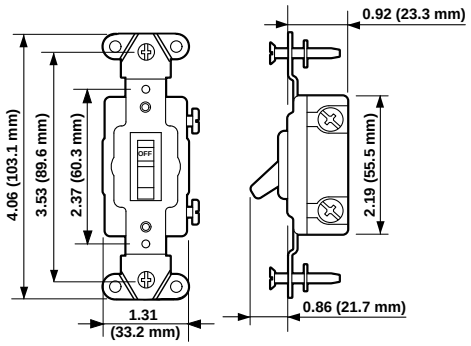




LIGHTED TOGGLE
Cat. No. 5501-LHI



3-WAY LIGHTED TOGGLE
Cat. No. 5503-LHW



CANADIAN 347V
Cat. No. 18201-C

SPECIFICATIONS & FEATURES

- Quiet, reliable mechanical action
- Large head double-drive combination screws (Standard, Phillips) for fast wiring installation
- Accept up to #10 copper or copper-clad wire
- Large switch contacts for maximum conductivity
- See section T for more technical information

TESTING & CODE COMPLIANCE

- UL listed to meet the latest Federal Specification, WS-896 (File #E-748)
- Meets all requirements for NEMA WD-1, ANSI
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-CI), White (-CW), Gray (-CGY) Red (-R).

**CANADIAN COLOR

For color selection, add suffix to catalog number as follows: Ivory (-I), White (-W), Brown (-B), and Gray (-G)

HORSEPOWER

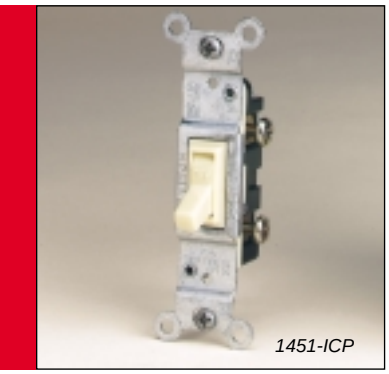
15A
½ @120V
2 @ 240V
2 @ 347V

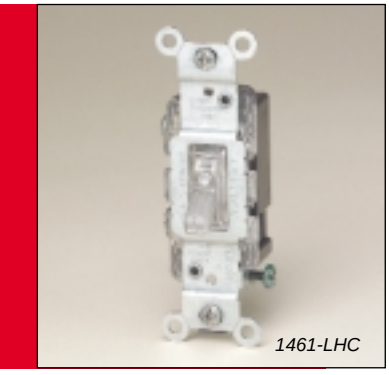
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

AC Quiet Switches


1451-ICP


1461-LHC

SPECIFICATIONS & FEATURES

- Faster installation with combination of side wiring and Quickwire push-in wiring
- Quickwire accepts conductors up to #12 AWG; #14 AWG in Canada
- Side wire accepts conductors up to #10 AWG
- Large head triple-drive combination screws (Standard, Phillips, Robertson) for fast wiring installation
- Impact-resistant, durable thermoplastic toggle and frame
- See section T for more technical information

TESTING & CODE COMPLIANCE

- UL Listed (File # E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. Other colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Almond (-A), Clear Toggle & Frame (-LHC).

HORSEPOWER

15A
½ @120V
2 @ 240V

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Quickwire and Side Wired Framed Toggle 15 AMP 120V AC Quiet Switches

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole	1451	**15A:** I, W
3-Way	1453	**15A:** I, W
Single-Pole with grounding screw	1451-2	**15A:** I, W, A
3-Way with grounding screw	1453-2	**15A:** I, W, A
Single-Pole, less ears with grounding screw	1451-4	**15A:** I, W
3-Way, less ears with grounding screw	1453-4	**15A:** I, W

Note: Cat. Nos. 1451 and 1453 are available in Convenience Packs: Brown (-CP), Ivory (-ICP) and White (-WCP).

Quickwire and Side Wired Illuminated Toggle 15 AMP 120V AC

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole Illuminated	1461-LHC	Clear Toggle
3-Way Illuminated	1463-LHC	Clear Toggle

Note: Illuminated switches do not require a neutral wire.

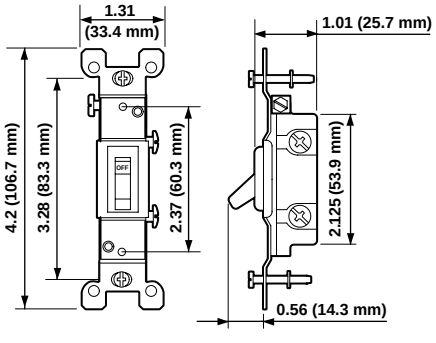
CO/ALR Side Wired Framed Toggle

CSA CERTIFIED CO/ALR For use with • Aluminum • Copperclad • Copper

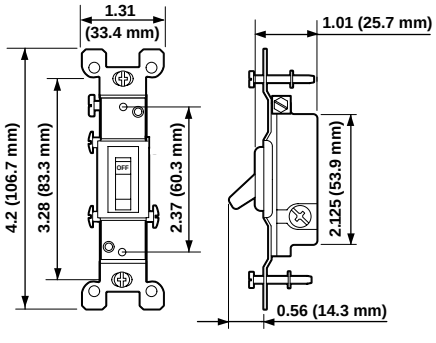
15 AMP 120V AC

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Single-Pole with grounding screw	2651-2	**15A:** I, W
3-Way with grounding screw	2653-2	**15A:** I, W
4-Way with grounding screw	2654	**15A:** I, W

Note: CO/ALR devices are for connection to 12 or 10 AWG aluminum conductors.
All devices are UL Listed and CSA Certified.



QUICKWIRE PUSH-IN & SIDE WIRED
Cat. Nos. 1451-2, 1461-LHC



3-WAY QUICKWIRE PUSH-IN & SIDE WIRED
Cat. No. 1453-2, 1463-LHC

Straight Blade Receptacles

Industrial, Commercial Specification and Residential Grade

Leviton offers a full line of 15, 20, 30, 50 and 60 Amp receptacles, available in Industrial Specification Grade, Commercial Specification Grade and Residential Grade, with a wide variety of colors, wiring options and other features.

UL Listed Hospital Grade Receptacles undergo the most stringent Underwriter's Labs tests to assure continuous, safe operation despite abusive conditions that might cause lesser devices to fail. All Leviton Hospital Grade Devices, designated by a green dot on the device face, are suitable for any application requiring high-abuse tolerance — in schools, manufacturing plants and health care facilities, as well as hospitals.

The following pages provide a comprehensive overview of the complete Leviton Straight Blade Receptacle product line.

INDUSTRIAL SPECIFICATION GRADE

Overview ____ D1
Hospital Grade ____ D2
- Back and Side Wired ____ D2
- Isolated Ground Receptacles and Wallplates ____ D2
- Four-In-One ____ D4

Industrial Specification Grade ____ D3–D4
- Back and Side Wired ____ D3
- Side Wired ____ D3
- Dual Voltage ____ D3
- Clock Hanger ____ D3
- Four-In-One Receptacles, Adapter Plates and Portable Boxes ____ D4

Power Devices ____ D5–D10
- 2-Pole, 3-Wire Grounding ____ D5, D6, D8
- 3-Pole, 3-Wire Non-Grounding ____ D6, D9
- 3-Pole, 4-Wire Grounding ____ D7, D9, D10
- 4-Pole, 4-Wire Non-Grounding ____ D5, D7, D10

COMMERCIAL SPECIFICATION GRADE

Overview ____ D11
- Back and Side Wired ____ D12, D14
- Dual-Voltage Grounding ____ D12
- Side Wired ____ D12–D14
- QuickPort® Snap-In Jacks, Modules and Floorplates ____ D14

RESIDENTIAL GRADE

8-Hole Quickwire Push-In, Grounding ____ D15

Quickwire Push-In and Side Wired, Grounding ____ D15

Side Wired, Grounding ____ D15, D16

CO/ALR Side Wired, Grounding ____ D15

Side Wired, Non-Grounding ____ D16

Clock Hanger ____ D16

Snap-In Devices ____ D16

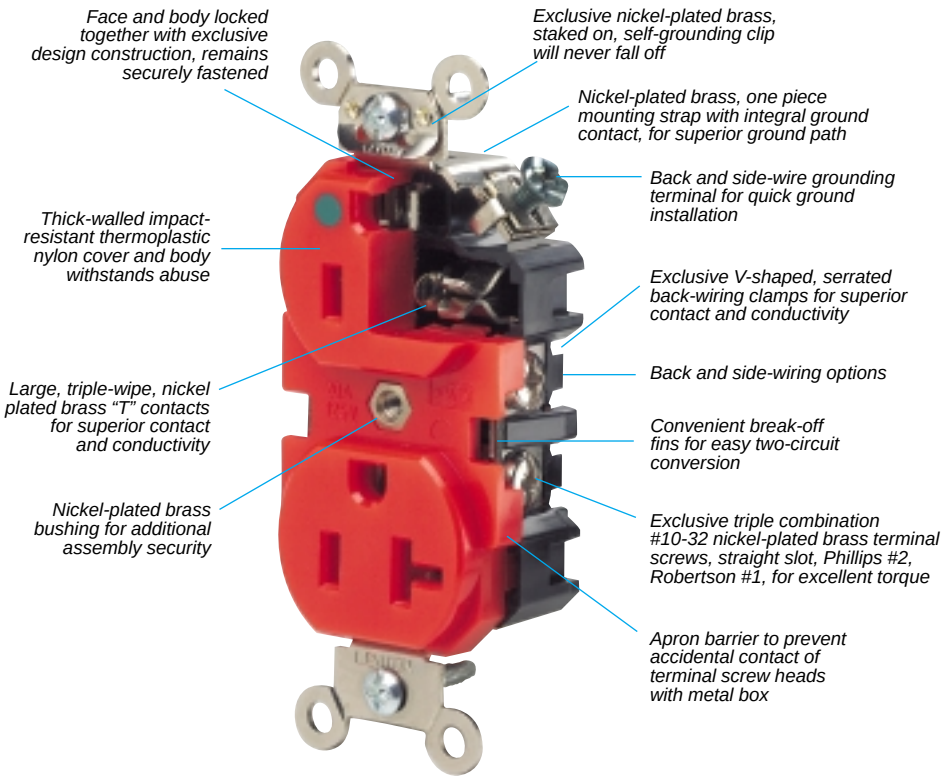
SECTION D

Straight Blade Receptacles

Leviton's Industrial Specification Grade Straight Blade Receptacles are built to the most demanding standards for performance and reliability. They're designed to withstand the highest abuse and resist impact, cracking and harsh chemicals.

Features and Benefits

- UL Listed 498 for Hospital Grade (UL File #13399); UL Federal Specification WC-596 Listing
- CSA Certified where applicable (CSA File #LR-406)
- NOM Certified
- Meets NEMA WD-1 and 6 and ANSI standards
- All industrial back and side wired receptacles have #10-32 triple combination head terminal screws; straight, Phillips and Robertson. All industrial side-wired receptacles have #8-32 triple combination head terminal screws
- Back and side wiring options accept #14–#10 AWG stranded or solid wire
- Break-off fins for easy two-circuit conversion
- Apron barrier to prevent accidental contact between terminal screw heads and metal box
- Exclusive V-shaped, serrated back-wiring clamps for superior contact and conductivity
- Backed by a Limited 10-Year Warranty
- Isolated Ground Receptacles are also available with Decora Designer styling (See Decora Plus Devices, Section A)



Cat. No. 8300-R

A Complete Line of Straight Blade Receptacles

Hospital Grade, Tamper Resistant

This back and side-wired receptacle allows easy plug insertion but prevents small-object insertion.

Cat. No. 8200-SG

Hospital Grade, Isolated Ground

Provides a pure ground path to a building's isolated ground system.

Cat. No. 8200-IG

Industrial Grade Back and Side Wired

Eight deep-funnel, back-wiring holes accept #10–14 AWG solid and stranded wire.

Cat. No. 5262-I

Four-In-One

Hardwire device converts a duplex receptacle installation into four receptacles without multiple installation labor and material costs.

Cat. No. 1254-W

Commercial Grade

Double wipe contacts, wrap-around strap and snap-together cover and base.

Cat. No. CR15

Residential Grade

Exclusive, triple-combination terminal screws backed out for fast wiring.

Cat. No. 5320-A

Hospital Grade

Back and Side Wired (Basic Cat. No. Denotes Brown Device*)

DESCRIPTION	CAT. NO./COLOR 15A/125V 5-15R	CAT. NO./COLOR 15A/250V 6-15R	CAT. NO./COLOR 20A/125V 5-20R	CAT. NO./COLOR 20A/250V 6-20R
Duplex Receptacle, 1-Piece Nickel-Plated Brass Strap	8200 I, W, GY, R	8600 I	8300 I, W, GY, R, E	8400 I
Single Receptacle	8210 I, W, R	—	8310 I, W, GY, R	—
Slim Design Receptacle	8200-H I, W, GY, R	—	8300-H I, W, GY, R	—
Duplex Receptacle, Tamper-Resistant	8200-SG I, W, G, R	—	8300-SG I, W, G, R	—
Illuminated Duplex Receptacle	8200-HL I, W, R, No Brown	—	8300-HL I, W, R, No Brown	
Pilot Light Duplex Receptacle	8200-PL I, W, R, No Brown	—	8300-PL I, W, R, No Brown	—

Note: Single, Slim Design, Illuminated, Pilot Light and Tamper-Resistant Receptacles meet specifications for UL Hospital Grade listing but have a different construction and design from standard Hospital Grade Duplex Receptacles listed above.

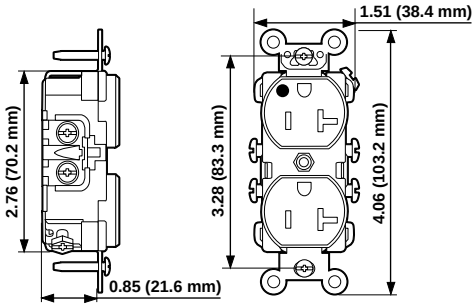
Isolated Ground Receptacles (Basic Cat. No. Denotes Orange Device*)

DESCRIPTION	CAT. NO./COLOR 15A/125V	CAT. NO./COLOR 15A/250V	CAT. NO./COLOR 20A/125V	CAT. NO./COLOR 20A/250V
Duplex Receptacle	8200-IG B, I, W, G, R	—	8300-IG B, I, W, G, R	—
Duplex Receptacle w/6" Ground Lead	8200-LIG Orange Only	—	8300-LIG Orange Only	—
Single Receptacle	8210-IG Orange Only	—	8310-IG Orange Only	—

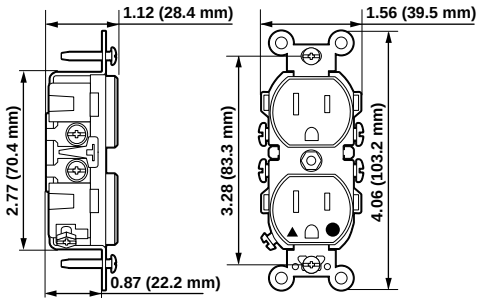
Wallplates for Isolated Ground Receptacles (Engraved with "Isolated Ground")

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Orange Device*
1-Gang 1-Duplex Receptacle	80703-IG	I, W
1-Gang 1-Single Receptacle with 1.406" dia. hole	80704-IG	Orange Only

All devices are UL Listed and CSA Certified.



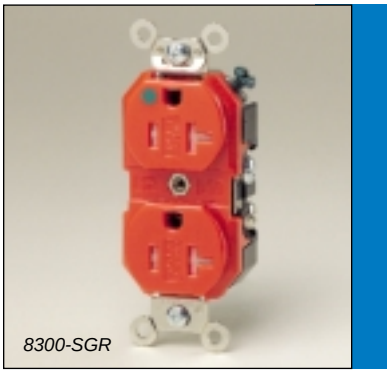
HOSPITAL GRADE
Cat. No. 8300



HOSPITAL GRADE ISOLATED GROUND
Cat. No. 8200-IG

See Page D4 for Leviton's full line of Four-In-One Receptacles.

See Section R for Leviton's full line of Surge Protective Devices.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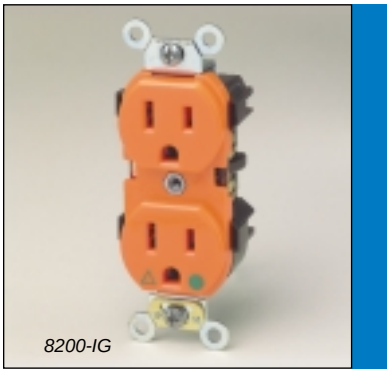

8200-IG

SPECIFICATIONS & FEATURES

- Impact-resistant thermoplastic nylon cover and body
- Smooth face does not collect dirt
- Four corner latches securely fasten face
- Large, triple-wipe, brass "T" contacts for superior contact and conductivity
- High-performance brass #10-32 terminal screws to reduce conductor oxidation
- Back and side-wire ground termination-brass strap version
- Back and side-wiring options
- Break-off tabs for easy two-circuit conversion
- Apron barrier to prevent accidental contact between terminal screw heads and metal box
- Exclusive V-shaped, serrated back-wiring clamps for superior contact

TESTING & CODE COMPLIANCE

- UL Listed 498 for Hospital Grade (UL File #13399); UL Federal Specification WC-596
- CSA Certified where applicable (CSA File #LR-406)
- NOM Certified (#057)
- Meets NEMA WD-1 & 6, and ANSI standards
- Backed by a Limited 10-Year Warranty

*COLOR

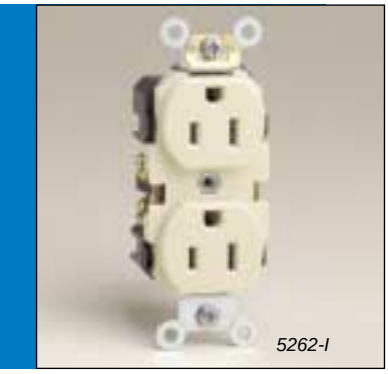
Basic Cat. Nos. shown above denote Brown for Hospital Grade and Orange for Isolated Ground (-IG) Devices. Isolated Ground Receptacle is distinguished by an orange triangle on its face. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Brown (for IG devices only, add -B), Red (-R), Gray (-G or -GY) and Black (-E).

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

Straight Blade Receptacles



5262-I

5252-BU

SPECIFICATIONS & FEATURES

- Impact-resistant thermoplastic nylon cover and body
- Smooth face does not collect dirt
- Four corner latches securely fasten face
- Locked-in mounting strap
- Large, triple-wipe, brass "T" contacts for superior contact and conductivity
- Back and side-wiring options
- Brass terminal screws to reduce conductor oxidation
- Break-off tabs for easy two-circuit conversion
- Apron barrier to prevent accidental contact between terminal screw heads and metal box
- Exclusive V-shaped, serrated back-wiring clamps for superior contact and conductivity

TESTING & CODE COMPLIANCE

- UL Listed 498 (UL File #13399); UL Federal Specification WC-596
- CSA Certified where applicable (CSA File #LR-406)
- NOM Certified (#057)
- Meets NEMA WD-1 & 6, and ANSI standards
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown device, except for Isolated Ground (-IG) devices Basic Cat. No. denotes Orange. Isolated Ground Receptacle is distinguished by an orange triangle on its face. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Brown (For IG devices only, add -B), Almond (-A), Gray (-G or -GY), Black (-E), Red (-R) and Blue (-BU).

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

Back and Side Wired (Basic Cat. No. Denotes Brown Device*)

DESCRIPTION	CAT. NO./COLOR 15A/125V 5-15R	CAT. NO./COLOR 15A/250V 6-15R	CAT. NO./COLOR 20A/125V 5-20R	CAT. NO./COLOR 20A/250V 6-20R
Duplex Receptacle, 1 Pce. Brass Strap	5262A I, W, GY	—	5362A I, W, GY	—
Duplex Receptacle, Steel Strap	5262 I, W, GY, R, E	5662 I, A	5362 I, W, GY, R, E	5462 I, A
Single Receptacle	5261 I, W, GY	5661 I	5361 I, W, GY, A	5461 I, A
Slim Design Duplex Receptacle	5252 I, W, GY, R, E, BU, A	—	5352 I, W, GY, R, E, BU, A	—
Single Receptacle, Clockhanger	5261-CH Stainless Steel	—	5361-CH Stainless Steel	—
Duplex Receptacle, Slim Body, Smooth Face, BULK/50	5262-S I, W, GY	5662-S I	5362-S I, W, GY	5462-S I

Note: Single Receptacles meet Federal Specifications WC-596 but have a different construction and design than Duplex Receptacles listed above.

Back and Side Wired — Isolated Ground Receptacles (-IG)

(Basic Cat. No. Denotes Orange Device)*

DESCRIPTION	CAT. NO./COLOR 15A/125V	CAT. NO./COLOR 15A/250V	CAT. NO./COLOR 20A/125V	CAT. NO./COLOR 20A/250V
Slim Design Duplex Receptacle	5262-IG B, I, W, G, R	5662-IG	5362-IG B, I, W, A, G, R	5462-IG
Slim Design, Canadian Version Duplex Receptacle	5262-SIG	—	5362-SIG	—

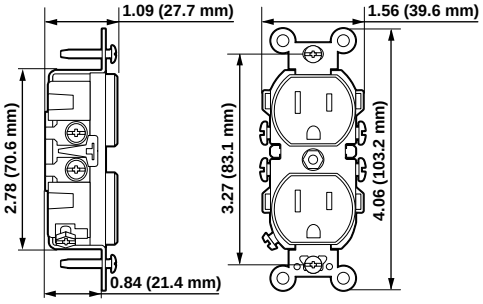
Side Wired (Basic Cat. No. Denotes Brown Device*)

DESCRIPTION	CAT. NO./COLOR 15A/125V	CAT. NO./COLOR 15A/250V	CAT. NO./COLOR 20A/125V	CAT. NO./COLOR 20A/250V
Duplex Receptacle	5242 I, W, GY, R	—	5342 I, W, GY, R	—
Single Receptacle	5251 I	5651 I	5351 I	—

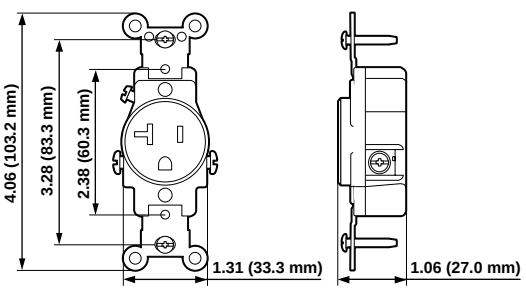
Back and Side Wired Dual Voltage (Basic Cat. No. Denotes Brown Device*)

DESCRIPTION	RATING	CAT. NO.	COLOR
Duplex Receptacle	15A 125V/15A 250V	5292	I

All devices are UL Listed and CSA Certified.



BACK & SIDE WIRED
Cat. No. 5252



SINGLE RECEPTACLE
Cat. No. 5361

Straight Blade Receptacles

Four-In-One 2-Pole 3-Wire Grounding *(Basic Cat. No. denotes Brown device, except Isolated Ground devices-Basic Cat. No. denotes Orange device)*

DESCRIPTION	CAT. NO./COLOR* 15A-125V 5-15R	CAT. NO./COLOR* 20A-125V 5-20R
Nylon Four-in-One Receptacle	1254 I, W, GY, R, E	21254 I, W, GY, R, E, Y
Nylon Hospital Grade Four-in-One Receptacle	1254-H I, W, GY, R	21254-H I, W, GY, R, E
Nylon Hospital Grade/Isolated Ground Four-in-One Receptacle	1254-IG I, W	21254-IG I, W
Nylon Surge Protective Four-in-One Receptacle	5480 I, W, GY, R, BU (No Brown)	5490 I, W, GY, BU (No Brown)
Nylon Surge Protective/Isolated Ground Four-in-One Receptacle	5480-IG I, B	5490-IG I, B
Nylon Hospital Grade/Isolated Ground Surge Protective Four-in-One Receptacle	8480-IG I, W, G, B	8490-IG I, W, G, B
Nylon Hospital Grade Surge Protective Four-in-One Receptacle	8480 I, W, R (No Brown)	8490 I, W, R (No Brown)

Four-In-One Adapter Plates

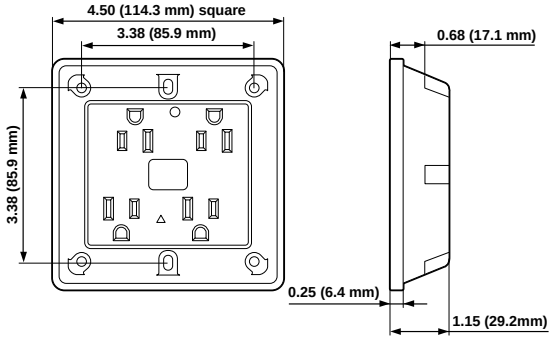
	CAT. NO.	COLOR*
	3254	(Basic Cat. No. Denotes Brown) I, W, GY, R, E, BLU, OR

Four-In-One Portable Boxes

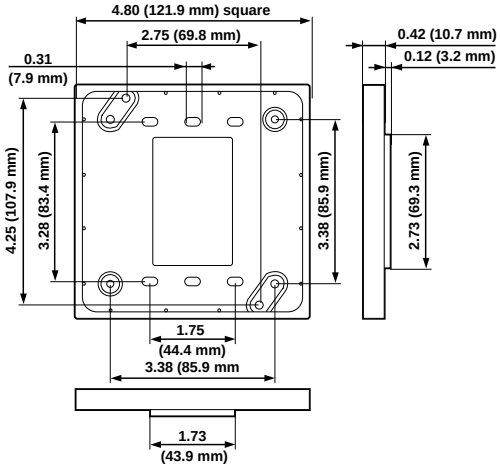
	CAT. NO.	COLOR*
	4254	(No Brown) I, GY, E, BLU, OR, Y

Portable boxes are not UL Listed. UL Listing does not apply when Four-in-One Receptacles are used with portable boxes for extension cord applications.

All devices are UL Listed and CSA Certified.



HOSPITAL GRADE/ISOLATED GROUND NYLON FOUR-IN-ONE RECEPTACLE Cat. No. 1254-IG



FOUR-IN-ONE ADAPTER PLATE Cat. No. 3254

1254-GY

5480-R

- Termination anchor holes for easy conductor wiring
- Deep cut mill-slotted screws resist slippage
- Exclusive shield-wall design protects ground connection from contact with live circuit conductors
- "A" and "B" molded on face and back for easy identification of receptacle pairs for split-circuit conversion
- Convenient built-in strip-gauge

TESTING & CODE COMPLIANCE

- UL Listed 498 for Hospital Grade (UL File #13399); UL Federal Specification WC-596; Ul Listed Adapter Plates (File #E-13397)
- CSA Certified where applicable (CSA File #LR-406); CSA Certified Adapter Plates (File #LR-16347)
- NOM Certified (#057)
- Complies with NEMA WD-1 & 6, and ANSI standards
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. denote Brown device, except for Isolated Ground (-IG) devices-Basic Cat. No. denotes Orange. Isolated Ground receptacle distinguished by orange triangle on its face. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Red (-R), Gray (-G or -GY), Black (-E), Orange (For adapter plates and portable boxes only, -OR), Blue (-BU, -BLU, -B) and Yellow (-Y).

MATERIAL CHARACTERISTICS

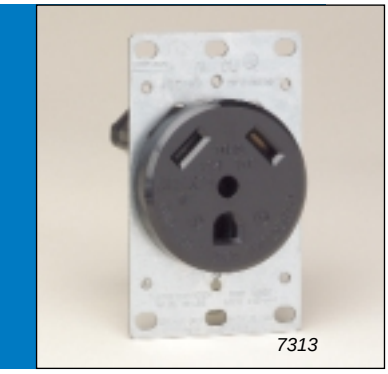
Environmental: Flammability, Rated V2

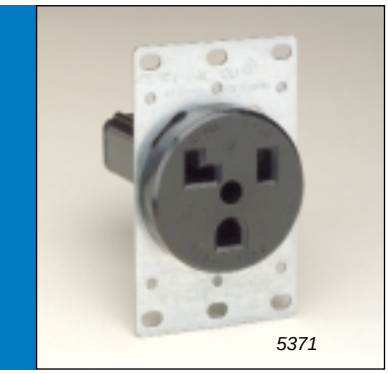
Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

SPECIFICATIONS & FEATURES

- Terminal wiring screws fit inside a standard single-gang wallbox; adapter plate not required (optional)
- Heavy-impact nylon cover and base for strength and resistance to chemicals and corrosives
- Smooth face; easy to clean surface
- Easy-to-read voltage and amperage rating molded onto face
- Heavy-duty, T-type triple-wipe bronze contacts for maximum performance
- Ground holes configured up or down to be outside the device, accommodating up to 4 Fed Spec size straight or angle plugs
- No. 8 terminal screws accept up to No. 12 solid or stranded copper wire

See Section R for Leviton's full line of Surge Protective Devices.


7313


5371

SPECIFICATIONS & FEATURES

- Heavy-gauge, double-wipe copper alloy contacts
- Easy-to-wire terminals accept up to No. 4 AWG conductors
- Terminals marked for easy identification and fast wiring
- All mounting hardware included
- Flush-mount devices fit single or two-gang outlet boxes

TESTING & CODE COMPLIANCE

- UL Listed for copper or aluminum conductors–except Cat. Nos. 7250, 7313, 830-T (File #E-13399); Angle Plugs (File #E-13393)
- UL Test 498
- CSA Certified for copper or aluminum conductors (File #LR-406); Receptacle for Recreational Vehicles (File #2781); CSA Test 42
- NOM Certified (#057)
- Meets NEMA and ANSI standards
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

Power Devices

20 AMP 120/208V 3ØY 4-Pole 4-Wire

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle★	7250-FR 18-20R	Fits any standard single gang receptacle plate. See Section G for more information.
Matching Plug★	7251-C 18-20P	

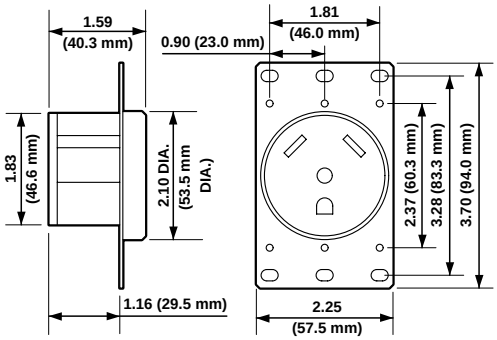
30 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	5371† 5-30R	Fits all wallplates with 2.147" diameter center hole. See Section G for more information
Matching Angle Plug	9530-P 5-30P	

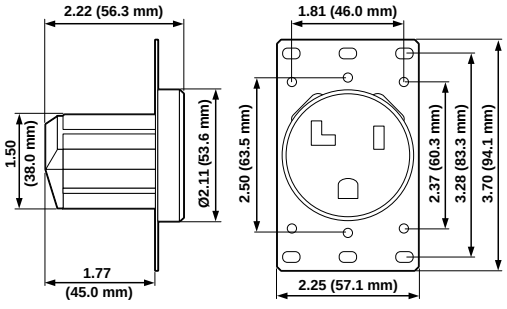
30 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.
Flush Mount Receptacle for Recreational Vehicles	7313 TT-30R
Matching Angle Plug	830-T TT-30P ANSI STD.C73.13

†Matching single-gang wallplate: Cat. No. 84028. Matching Industrial Weather-Resistant cover: Cat. No. WP2.
All devices are UL Listed. Also CSA Certified except where indicated by★



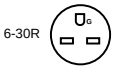
FLUSH MOUNT RECEPTACLE
CAT. NO. 7313



2-POLE, 3-WIRE GROUNDING
Cat. No. 5371

Power Devices

30 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	5372† 	Fits all wallplates with 2.147" diameter center hole. See Section G for more information.
Surface Mount Receptacle	5376	
Matching Angle Plug	9630	

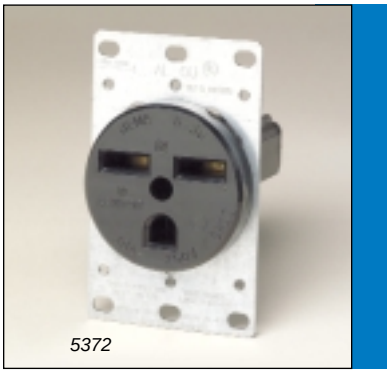
30 AMP 277V 2-Pole 3-Wire Grounding

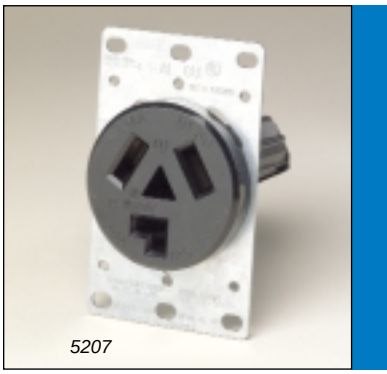
DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	9730†	Fits all wallplates with 2.147" diameter center hole. See Section G for more information.
Matching Angle Plug	9730-P	

30 AMP 125/250V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	5207†	Fits all wallplates with 2.147" diameter center hole. See Section G for more information.
Surface Mount Receptacle	5054-2	
Matching Angle Plug	9332-P	

†Matching single-gang wallplate: Cat. No. 84028. Matching Industrial Weather-Resistant cover: Cat. No. WP2.
All devices are UL Listed and CSA Certified.


5372


5207

SPECIFICATIONS & FEATURES

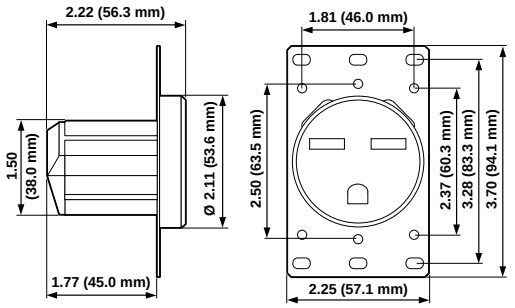
- Made of durable thermoplastic
- Heavy-gauge, double-wipe copper alloy contacts
- Easy-to-wire terminals accept up to No. 4 AWG conductors
- Terminals marked for easy identification and fast wiring
- All mounting hardware included
- Flush-mount devices fit single or two-gang outlet boxes
- Surface-mount devices are COMMERCIAL SPECIFICATION GRADE and have concentric knockouts for ¾" and1" conduit and adjustable cord clamp for back and bottom entrance of cable

TESTING & CODE COMPLIANCE

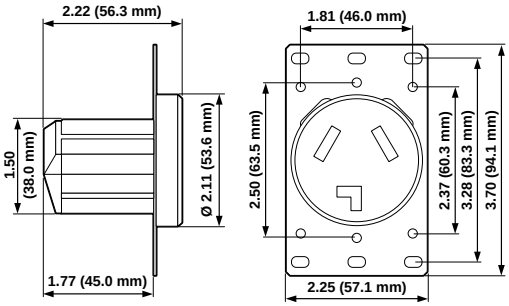
- UL Listed for copper or aluminum conductors (File #E-13399); Angle Plugs (File #E-13393, File #E-3810)
- UL Test 498
- CSA Certified for copper or aluminum conductors (File #LR-406); CSA Test 42
- NOM Certified (#057)
- Meets NEMA and ANSI standards
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: From -40° C (without impact) to 75°C maximum continuous

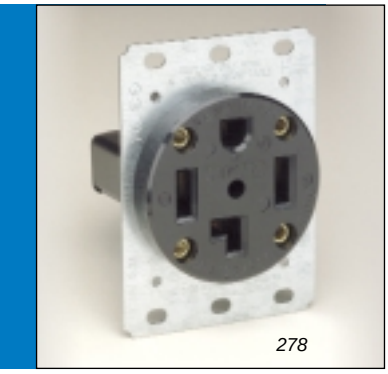


2-POLE, 3-WIRE GROUNDING
Cat. No. 5372

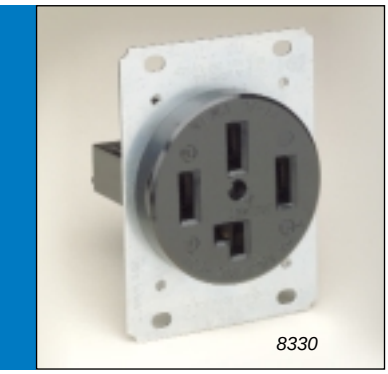


3-POLE, 3-WIRE NON-GROUNDING
Cat. No. 5207

Straight Blade Receptacles



278



8330

SPECIFICATIONS & FEATURES

- Made of durable thermoplastic
- Heavy-gauge, double-wipe copper alloy contacts
- Easy-to-wire terminals accept up to No. 4 AWG conductors
- Terminal marked for easy identification and fast wiring
- All mounting hardware included
- Flush-mount devices fit single or two-gang outlet boxes
- Surface mount devices are COMMERCIAL SPECIFICATION GRADE and have concentric knockouts for ¾" and1" conduit and adjustable cord clamp and back and bottom entrance of cable

TESTING & CODE COMPLIANCE

- UL Listed for copper or aluminum conductors(File #E-13399); Angle Plugs (File #E-13393, File #E-3810)
- UL Test 498
- CSA Certified for copper or aluminum conductors (File #LR-406); CSA Test 42
- NOM Certified (#057)
- Meets NEMA and ANSI standards
- Backed by a Limited 10-Year Warranty

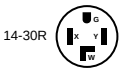
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

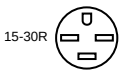
Operating Temperature: From -40° C (without impact) to 75°C maximum continuous

Power Devices

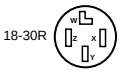
30 AMP 125/250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	278† 14-30R	Fits all wallplates with 2.465" diameter center hole. See Section G for more information.
Panel Mount Receptacle	278-PM	
Surface Mount Receptacles	55054	
Matching Angle Plug	9432-P  14-30R	

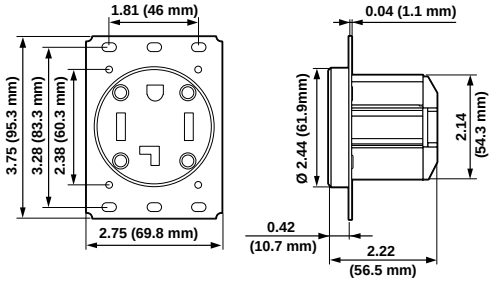
30 AMP 250V 3Ø 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	8430††  15-30R	Fits 2-gang wallplates w/2.465" diameter center hole. See Section G for more information.
Matching Angle Plug	8432-P 15-30P	

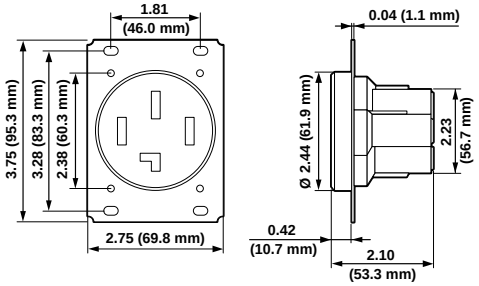
30 AMP 120/208V 3ØY 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	8330††  18-30R	Fits 2-gang wallplates w/2.465" diameter center hole See Section G for more information.
Matching Angle Plug	8332-P 18-30R	

†Matching single-gang wallplate: Cat. No. S701
††Matching single-gang wallplate: Cat. No. S701-40
All devices are UL Listed and CSA Certified.



3-POLE, 4-WIRE GROUNDING
Cat. No. 278



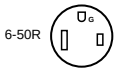
4-POLE, 4-WIRE, NON-GROUNDING
Cat. No. 8330

Power Devices

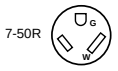
50 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	5373†	Fits all wallplates with 2.147" diameter center hole. See Section G for more information.
Matching Angle Plug	9550-P	

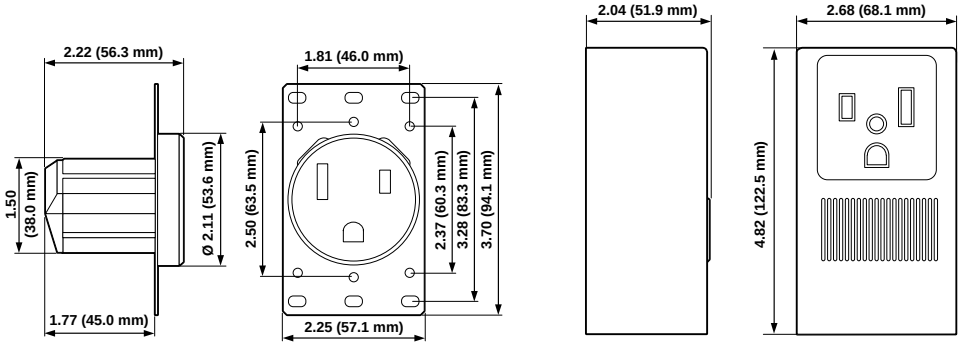
50 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	5374† 	Fits all wallplates with 2.147" diameter center hole. See Section G for more information.
Surface Mount Receptacle	5378	
Matching Angle Plug	9650-P	

50 AMP 277V 2-Pole 3-Wire Grounding

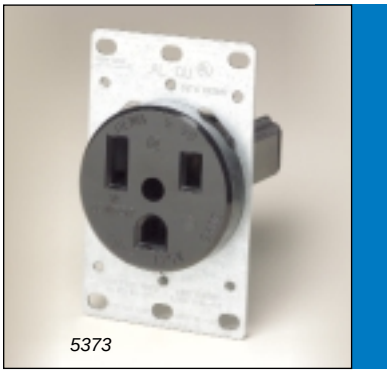
DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	9750† 	Fits all wallplates with 2.147" diameter center hole. See Section G for more information.
Matching Angle Plug	9750-P	

†Matching single-gang wallplate: Cat. No. 84028. Matching Industrial Weather-Resistant cover: Cat. No. WP2.
All devices are UL Listed and CSA Certified.



3-POLE, 3-WIRE GROUNDING
Cat. No. 5373

SURFACE MOUNT RECEPTACLE
Cat. No. 5378


5373

5378

SPECIFICATIONS & FEATURES

- Made of durable thermoplastic
- Heavy-gauge, double-wipe copper alloy contacts
- Easy-to-wire terminals accept up to No. 4 AWG conductors
- Terminal marked for easy identification and fast wiring
- All mounting hardware included
- Flush-mount devices fit single or two-gang outlet boxes
- Surface-mount devices are COMMERCIAL SPECIFICATION GRADE and have concentric knockouts for ¾" and1" conduit and adjustable cord clamp and back and bottom entrance of cable

TESTING & CODE COMPLIANCE

- UL Listed for copper or aluminum conductors(File #E-13399); Angle Plugs (File #E-13393, File #E-3810)
- UL Test 498
- CSA Certified for copper or aluminum conductors (File #LR-406); CSA Test 42
- NOM Certified (#057)
- Meets NEMA and ANSI standards
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: From -40° C (without impact) to 75°C maximum continuous

Straight Blade Receptacles

5206

279-PM

SPECIFICATIONS & FEATURES

- Made of durable thermoplastic
- Heavy-gauge, double-wipe copper alloy contacts
- Easy-to-wire terminals accept up to No. 4 AWG conductors
- Terminal marked for easy identification and fast wiring
- All mounting hardware included
- Flush-mount devices fit single or two-gang outlet boxes
- Surface-mount devices are COMMERCIAL SPECIFICATION GRADE and have concentric knockouts for ¾" and1" conduit and adjustable cord clamp and back and bottom entrance of cable

TESTING & CODE COMPLIANCE

- UL Listed for copper or aluminum conductors(File #E-13399); Angle Plugs (File #E-13393, File #E-3810)
- UL Test 498
- CSA Certified for copper or aluminum conductors (File #LR-406); CSA Test 42
- NOM Certified (#057)
- Meets NEMA and ANSI standards
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

Operating Temperature: From -40° C (without impact) to 75°C maximum continuous

Power Devices

50 AMP 125/250V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	5206† 10-50R	Fits all wallplates with 2.147" diameter center hole. See Section G for more information.
Surface Mount Receptacle	5050	
Matching Angle Plug	9450-P 10-50P	

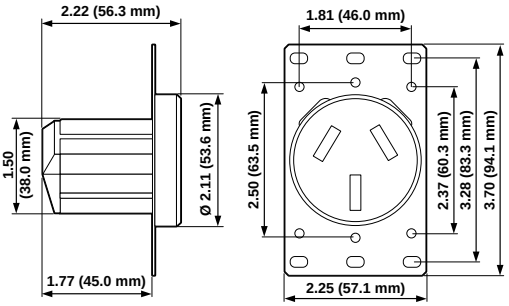
50 AMP 125/250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	279†† 14-50R	Fits all wallplates with 2.465" diameter center hole. See Section G for more information.
Panel Mount Receptacle	279-PM	
Surface Mount Receptacle	55050	
Matching Angle Plug	9452-P 14-50P	

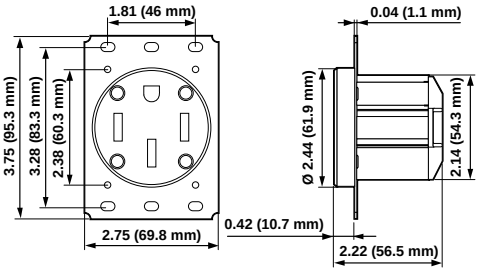
50 AMP 250V 3Ø 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	8450†† 15-50R	Fits wallplates with 2.465" diameter center hole. See Section G for more information.
Matching Angle Plug	8452-P 15-50P	

†Matching single-gang wallplate: Cat. No. 84208. Matching Industrial Weather-Resistant cover: Cat. No. WP2.
††Matching single-gang wallplate: Cat. No. S701-40
All devices are UL Listed and CSA Certified.



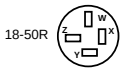
3-POLE, 3-WIRE NON-GROUNDING
Cat. No. 5206



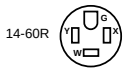
3-POLE, 4-WIRE GROUNDING
Cat. No. 279

Power Devices

50 AMP 120/208V 3ØY 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT.NO.	WALLPLATE INFORMATION
Flush Mount Receptacle★	8350†  18-50R	Fits wallplates with 2.465” diameter center hole.
Matching Angle Plug★	8352-P 18-50P	

60 AMP 125/250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT.NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	9460†  14-60R	Fits wallplates with 2.465” diameter hole.
Matching Angle Plug	9462-P 14-60P	

60 AMP 250V 3Ø 3-Pole 4-Wire Grounding

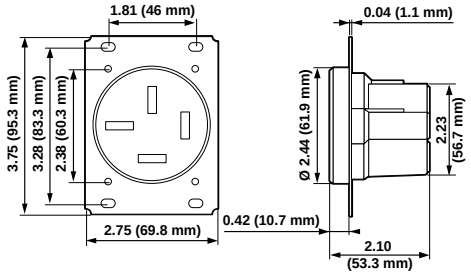
DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle	8460† 15-60R	Fits wallplates with 2.465" diameter hole.
Matching Angle Plug	8462-P 15-60P	

60 AMP 120/208V 3ØY 4-Pole 4-Wire Non-Grounding

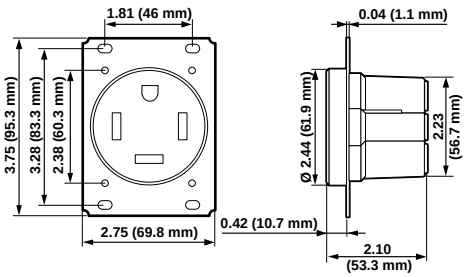
DESCRIPTION	CAT. NO.	WALLPLATE INFORMATION
Flush Mount Receptacle★	8360† 18-60R	Fits wallplates with 2.465" diameter hole.
Matching Angle Plug★	8362-P 18-60P	

†Matching single-gang wallplate: Cat. No. S701-40

All devices are UL Listed. Also CSA Certified except where indicated by★



4-POLE, 4-WIRE NON-GROUNDING
Cat. No. 8350



3-POLE, 4-WIRE GROUNDING
Cat. No. 9460

8350

9460

SPECIFICATIONS & FEATURES

- Made of durable thermoplastic
- Heavy-gauge, double-wipe copper alloy contacts
- Easy-to-wire terminals accept up to No. 4 AWG conductors
- Terminal marked for easy identification and fast wiring
- All mounting hardware included
- Flush-mount devices fit single or two-gang outlet boxes
- Surface-mount devices are COMMERCIAL SPECIFICATION GRADE and have concentric knockouts for ¾" and1" conduit and adjustable cord clamp and back and bottom entrance of cable

TESTING & CODE COMPLIANCE

- UL Listed for copper or aluminum conductors(File #E-13399); Angle Plugs (File #E-13393, File #E-3810)
- UL Test 498
- CSA Certified for copper or aluminum conductors (File #LR-406); CSA Test 42
- NOM Certified (#057)
- Meets NEMA and ANSI standards
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

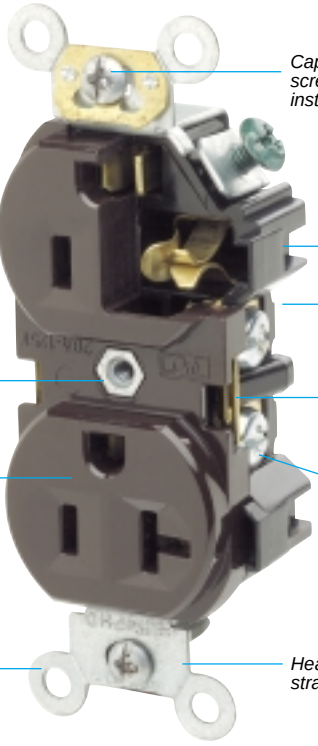
Operating Temperature: From -40° C (without impact) to 75°C maximum continuous

Straight Blade Receptacles

Leviton's Commercial Receptacles are manufactured to withstand the demands of commercial and institutional applications. These commercial receptacles provide long-lasting service life and are a cost-saving alternative to the industrial devices.

Features and Benefits

- Cost-efficient alternative to industrial receptacles
- Manufactured to withstand the demands of commercial and institutional applications
- Power contacts available in triple and double wipe for maximum conductivity and plug retention
- Shallow design for maximum wiring room in box
- UL Listed 498 (UL File #E-13399)
- CSA Certified where applicable (CSA File #LR-406)
- NOM Certified (#057)
- Meets NEMA WD-1 & 6, and ANSI standards
- Backed by a Limited 10-Year Warranty
- All commercial side-wired receptacles have #8-32 triple combination head terminal screws
- All commercial back and side-wired receptacles have #10-32 triple combination head terminal screws



Cat No. BR20

Commercial Receptacles with Industry-Leading Features

Back and Side Wired

Constructed of high impact resistant thermoplastic, power contacts are triple wipe for good conductivity.

Cat. No. BR15-I

Dual Voltage

Available with back and side-wired options, it can operate at either 125 or 250V volts.

Cat. No. 5844

Side Wired

Smooth face, self-grounding clip, easily accessible break-off tabs for split-circuit wiring.

Cat. No. CRO15

Single Side Wired

Triple wipe for maximum conductivity.

Cat. No. 5015-W

Straight Blade Receptacles

Back and Side Wired 15 AMP 125V & 250V 20 AMP 125V & 250V Grounding (Basic Cat. No. Denotes Brown Device*)

DESCRIPTION	CAT. NO./COLOR 15A/125V 5-15R	CAT. NO./COLOR 15A/250V 6-15R	CAT. NO./COLOR 20A/125V 5-20R	CAT. NO./COLOR 20A/250V 6-20R
Duplex Receptacle	BR15 I, W, GY, E, A	5098 I	BR20 I, W, GY, E, A	5824 I
Single Receptacle	5088 I, A	5089 I	5891 W	5823 I

Dual Voltage Back and Side Wired 20 AMP 125V & 20 AMP 250V Grounding (Basic Cat. No. Denotes Brown Device*)

DESCRIPTION	CAT. NO. 20A/125V 5-20R	CAT. NO. 20A/250V 6-20R	COLOR* Basic Cat. No. Denotes Brown
Duplex Receptacle, Dual Voltage★	5844	5844	I

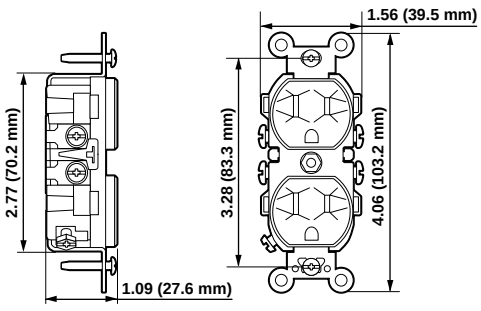
Dual Voltage Side Wired 15 AMP 125V & 15 AMP 250V Grounding

DESCRIPTION	CAT. NO. 15A/125V 5-15R	CAT. NO. 15A/250V 6-15R	COLOR* Basic Cat. No. Denotes Brown
Duplex, Grounding, Dual Voltage (Triple Wipe)★	5031	5031	I, W

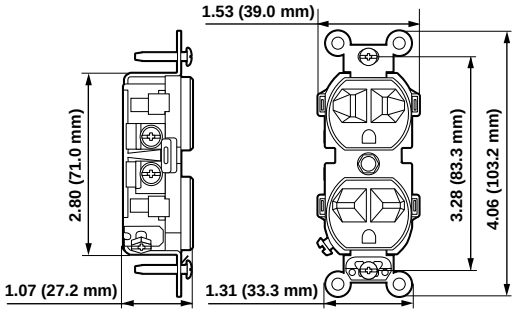
Dual Voltage Side Wired 20 AMP 125V & 20 AMP 250V Grounding

DESCRIPTION	CAT. NO. 20A/125V 5-20R	CAT. NO. 20A/250V 6-20R	COLOR* Basic Cat. No. Denotes Brown
Duplex Receptacle, Dual Voltage (Triple Wipe)★	5842	5842	I

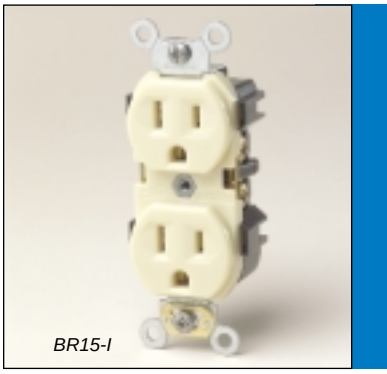
All devices are UL Listed. Also CSA Certified except where indicated by★



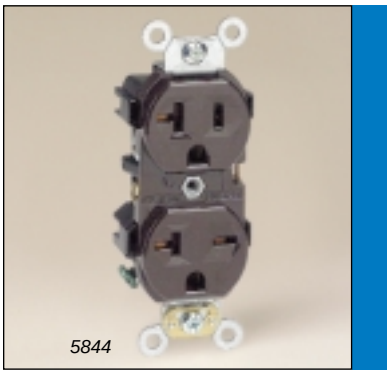
BACK & SIDE WIRED
Cat. No. BR15



DUAL VOLTAGE
Cat. No. 5031



BR15-I



5844

SPECIFICATIONS & FEATURES

- Large-head, triple-drive terminal screws, backed out and staked, accept No. 10 copper or copper-clad wire
- Back-wiring clamps accept up to No. 10 copper or copper-clad wire
- All power contacts are triple wipe for maximum conductivity and plug retention
- Heavy-gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room in box
- Convenient washer-type break-off plaster ears for best flush alignment
- Captive mounting screws for fast installation
- Break-off tabs on duplex receptacles for easy two-circuit conversion

TESTING & CODE COMPLIANCE

- UL Listed 498
- CSA Certified where applicable (File #LR-406)
- NOM Certified (#057)
- Meets or exceeds NEMA WD-1, & 6, and ANSI standards
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Black (-E), Almond (-A), Gray (-GY).

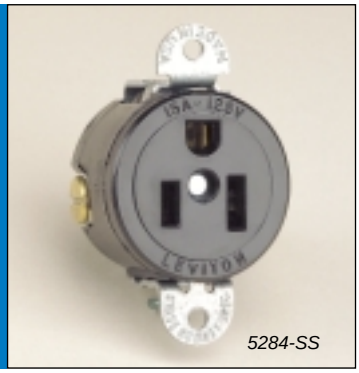
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

Straight Blade Receptacles

CRO15



5284-SS

SPECIFICATIONS & FEATURES

- Large-head terminal screws, backed out and staked, accept No. 10 copper or copper-clad wire
- All power contacts are triple wipe for maximum conductivity and plug retention — except CR series
- Heavy-gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room in box
- Convenient washer-type break-off plaster ears for best flush alignment
- Captive mounting screws for fast installation where applicable

5249-FBA & 5250

- Complies with NEC 370-27(b)
- All-in-one, ready-to-wire unit provides quick, easy installation
- Plate gasket and O-ring combine to seal out moisture and contaminants (5249-FBA)
- Thick brass plate and screw cap resist abuse and prevent contaminant from entering device
- Durable nylon face and body resist breakage
- Brass screw cap threaded to fit flush to plate
- Green grounding screw

TESTING & CODE COMPLIANCE

- UL Listed 498 (File #E-13399)
- CSA Certified where applicable (File #LR-406)
- NOM Certified (#057)
- Meets or exceeds NEMA WD-1, and -6, and ANSI standards
- Backed by a Limited 10-Year Warranty

5249-FBA & 5250

•Meets UL #498 requirements
•CSA Certified (#42)

*COLOR

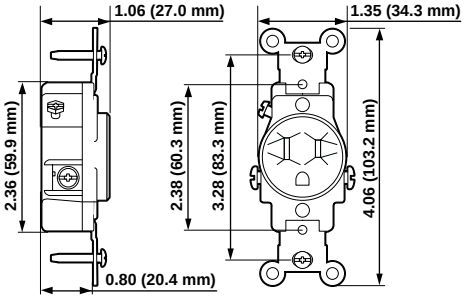
Basic Cat. Nos. shown above denote Brown color device. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Almond (-A), Gray (-GY) and Black (-E).

Side Wired 15 AMP 125 and 250V
20 AMP 125 and 250V (Basic Cat. No. Denotes Brown Device)*

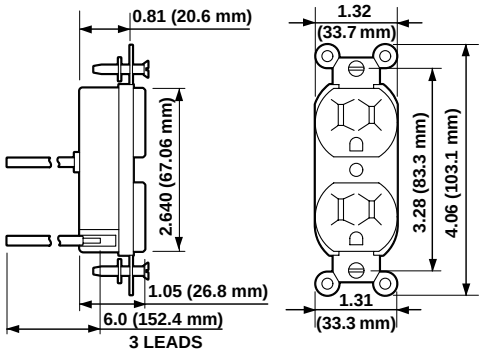
DESCRIPTION	CAT. NO./COLOR 15A/125V 5-15R	CAT. NO./COLOR 15A/250V 6-15R	CAT. NO./COLOR 20A/125V 5-20R	CAT. NO./COLOR 20A/250V 6-20R
Duplex Receptacle	CR15 I, W, GY, E, A	5028* I	CR20 I, W, GY, E, A	5822* I, W
Duplex Receptacle	CR15-C*	———	———	———
Duplex Receptacle, Smooth Face	CRO15 I, W, GY	———	CRO20 I, W, GY	———
Single Display Receptacle, Brass Plate, Brass Finish	5250 Brass	———	———	———
Duplex Receptacle, on 4" Cover★	5042 Zinc plated steel	———	———	———
Single Receptacle	5015 I, W	5029 I, W	5801 I, W	5821 I, W, A
Single Receptacle on 4" Cover	5059 Zinc plated steel	———	———	———
Duplex Receptacle with Pigtail Leads★	5040 I	———	5340 I	———
Floorbox assembly w/Solid Brass Floorplate	5249-FBA Brass			
Floorbox Plug	5249-CAP Brass			
Single Receptacle, Short Strap, 8-32 Tapped Mounting Holes on 1¾" Centers	5258-SS E Only	5658-SS E Only	———	5458-SS E Only
Single Receptacle, Short Strap, 8–32 Tapped Mounting Holes on 1 15/16" Centers	5284-SS E Only	———	———	———
Duplex Receptacle, Less Plaster Ears	———	———	5800-4 I	———
Tamper Resistant Duplex Receptacle	CR15S-G I, W (No Brown)			

*Canadian version

All devices are UL Listed. Also CSA Certified except where indicated by★



SIDE WIRED
Cat. No. 5015



DUPLEX RECEPTACLE
Cat. No. 5040

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

Straight Blade Receptacles

QuickPort® Snap-In Jacks and Modules with Brass Floorplate

DESCRIPTION	CAT. NO.	COLOR
Floor Jack Housing with Brass Plate and 6-Conductor Jack	41650-6	Brass
Floor Jack Housing with Brass Plate and Coaxial F-Connector	41650	Brass
Duplex Floor Jack Housing with Brass Plate and Two 6-Conductor Jacks	41652-6	Brass
Duplex Floor Jack Housing with Brass Plate, 6-Conductor Jack and Coaxial F-Connector	41652-6F	Brass
Duplex Floor Jack Housing only; 1 Blank Filter Provided	41652-000	Brass

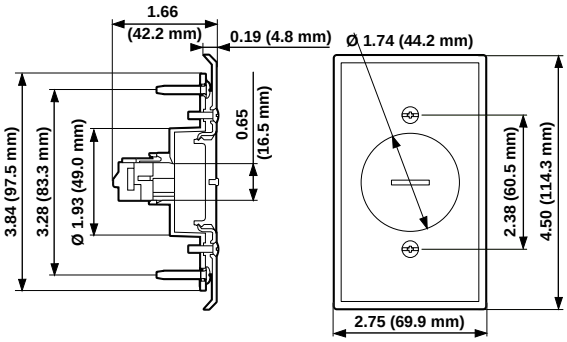
Back and Side Wired 15 AMP 277V AC Grounding

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Duplex Receptacle (Double Wipe)	5585 7-15R	Brown Only

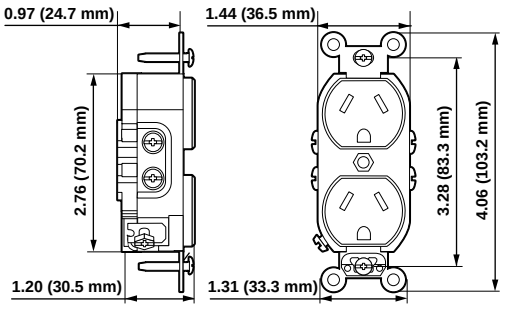
Side Wired 20 AMP 125/250V Non-Grounding

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Single Receptacle (Double Wipe)★ (9151-N matching plug on page H4)	5032 10-20R	I

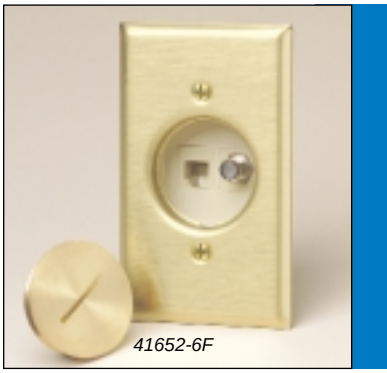
All devices are UL Listed. Also CSA Certified except where indicated by★



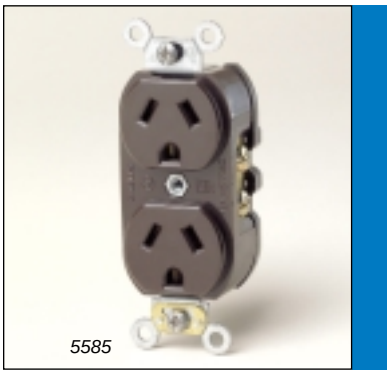
FLOORPLATE QUICKPORT® SNAP-IN JACKS & MODULES
Cat. No. 41652-6F



BACK & SIDE WIRED
Cat. No. 5585



41652-6F



5585

SPECIFICATIONS & FEATURES

- Terminal screws, backed out and staked, accept No. 10 copper or copper-clad wire
- Power contacts are double wipe for maximum conductivity and plug retention
- Heavy gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room in box
- Convenient washer-type break-off plaster ears for best flush alignment
- Captive mounting screws for fast installation

TESTING & CODE COMPLIANCE

- UL Listed 498
- CSA Certified where applicable (File #LR-406)
- NOM Certified (#057)
- Meets or exceeds NEMA WD-1 and -6, and ANSI standards
- Backed by a Limited 10-Year Warranty

*COLOR

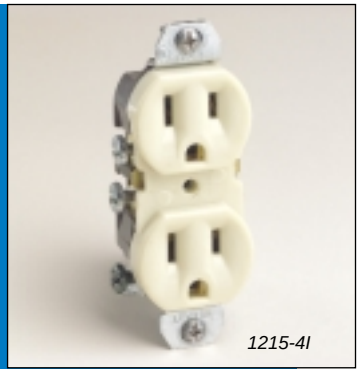
Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), Black (-E).

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

Straight Blade Receptacles

5248-WCP


1215-4I

SPECIFICATIONS & FEATURES

- Terminal screws accept up to No. 10 copper or copper-clad wire
- Quickwire push-in terminals accept No. 14 solid copper wire only
- Double-wipe power contacts for maximum conductivity and plug retention
- Heavy-gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room
- Break-off plaster ears for best flush alignment
- Captive mounting screws
- Break-off tabs allow easy two-circuit conversion

TESTING & CODE COMPLIANCE

- UL Listed 498
- CSA Certified where applicable (File #LR-406)
- NOM Certified (#057)
- Meets or exceeds NEMA standards
- Backed by a Limited Two Year Warranty
- CO/ALR UL Listed 1561

*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

8-Hole Quickwire Push-In 15 AMP 125V Grounding

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown
Duplex Receptacle, CONTRACTOR PACK (10 BULK)	5248-CP 5-15R	I, W
Duplex Receptacle, Less Plaster Ears (200 BULK)	5248-4	I, W

Quickwire Push-In and Side Wired 15 AMP 125V Grounding

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown
Duplex Receptacle, All Screws Backed Out★, CONTRACTOR PACK (10 BULK)	5320-CP	I, W, A
Duplex Receptacle, Self-Grounding	5320-S	I, W
Duplex Receptacle, All Screws Backed Out★, CONTRACTOR PACK (10 BULK)	5320-6	I, W

Side Wired 15 AMP 125V Grounding

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown
Duplex Receptacle, Less Plaster Ears★, All Screws Backed Out	1215-4	I, W
Duplex Receptacle with Ears, All Screws Backed Out	1215-CP	I, W
Duplex Receptacle, on 4" Cover★	1228	Brown Only

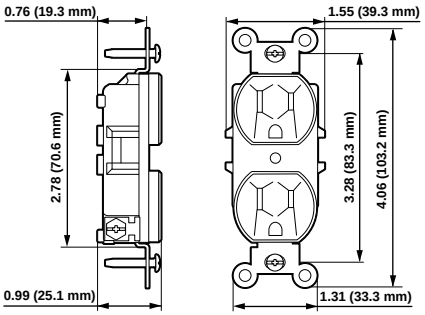
CONTRACTOR PACK is a box of 10 bulk-packed devices (no individual packaging) for speedy on-the-job installation.

Side Wired CO/ALR 15 AMP 125V Grounding

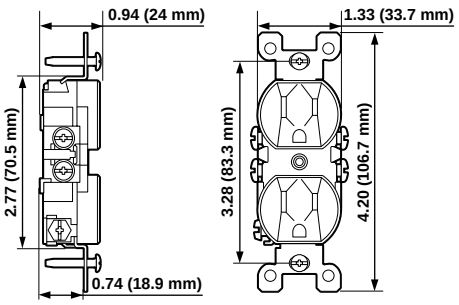
DESCRIPTION	CAT. NO.	COLOR* No Brown
Duplex Receptacle	12650 5-15R	I, W

Note: UL Listed for direct connection to No. 12 or No. 10 aluminum conductors.

All devices are UL Listed. Also CSA Certified except where indicated by★



8-HOLE QUICKWIRE PUSH-IN
Cat. No. 5248-CP



QUICKWIRE PUSH-IN & SIDE WIRED
Cat. No. 5320

Straight Blade Receptacles

Side Wired 15 AMP/125V Non-Grounding

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Duplex Receptacle,★ Plaster Ears	223	I, W
Duplex Receptacle,★ Less Plaster Ears	222	I
	1-15R	
Duplex Receptacle T-SLOT,★ not UL Listed; for replacement use only	5000	I

Snap-In Devices 15 AMP/125V

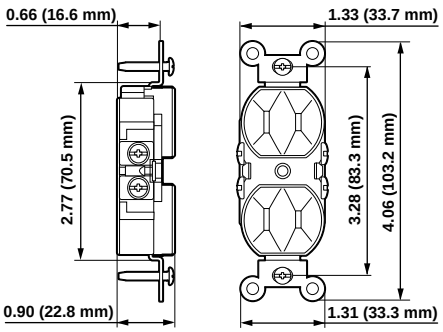
DESCRIPTION	CAT. NO.	PANEL THICKNESS (inches)	PANEL OPENING (inches)	COLOR* *No Brown*
2-Wire Polarized Outlet. Leads No. 14 AWG, 105°C Plastic, 6" Long, Stripped ½"	1306 1-15R	.028 –.060	.97 x .52	E, W
2-Wire Polarized Outlet. Back Strap Mounting, Leads No. 14 AWG, 105°C Plastic, 6" Long, Stripped ½"	306 1-15R	.015 –.093	.97 x .52	E, W
3-Wire Grounding Outlet. Leads No. 14 AWG, 105°C Plastic, 6" Long, Stripped ½". Grounding Wire No. 16 AWG	1374 5-15R	.031 –.080*	.95 x .95	E, W
3-Wire Grounding Power Plug. Leads No. 14 AWG, 105°C Plastic, 6" Long, Stripped ½". Grounding Wire No. 16 AWG	1373 5-15P	.031 –.080	.95 x .95	E

*Other panel thicknesses available.

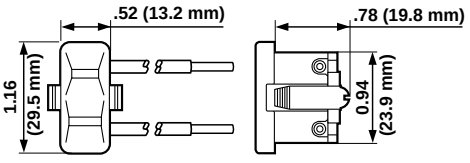
Side Wired Clock Hanger 15 AMP/125V Grounding

DESCRIPTION	CAT. NO.	COLOR* *No Brown*
Flush Mount with Square Recess	688 5-15R	I, W

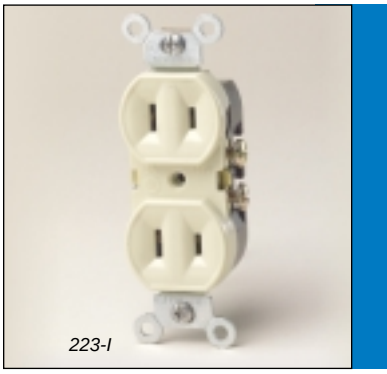
All devices are UL Listed. Also CSA Certified except where indicated by★

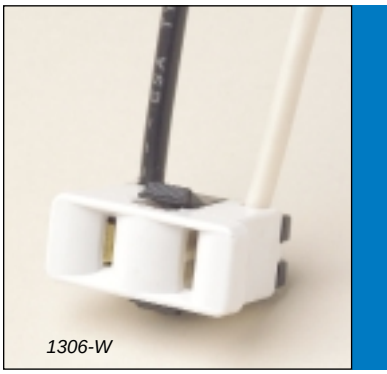


SIDE-WIRED, NON-GROUNDING
Cat. No. 223



SNAP-IN DEVICE 2-WIRE
Cat. No. 1306


223-I


1306-W

SPECIFICATIONS & FEATURES

223-I & 5000

- Terminal screws accept up to No. 10 copper or copper-clad wire for side wiring
- Double-wipe power contacts for maximum conductivity and plug retention
- Heavy-gauge, rust-resistant steel mounting strap
- Shallow design for maximum wiring room
- Break-off plaster ears for best flush alignment
- Captive mounting screws
- Break-off tabs allow easy two-circuit conversion

TESTING & CODE COMPLIANCE

- UL Listed 498
- CSA Certified where applicable (File #LR-406)
- NOM Certified (#057)
- Meets or exceeds NEMA standards
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Black (-E).

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

Operating Temperature: From -40° C (without impact) to 60°C maximum continuous

Snap-In Devices

Environmental: Flammability, Rated V2

Operating Temperature: From -40° C (without impact) to 65°C maximum continuous

“Leviton’s combination devices offer the efficiency of two functions in one device in a space that’s designed for just one. That’s convenience! For me and my customers. But what I like most is that they’re tough and dependable. They have double-wipe contacts for maximum conductivity, so they won’t let you down.”

Contractor

Combination Devices

Commercial Specification Grade

Leviton offers the most comprehensive line of durable combination devices on the market today. Combination devices are Commercial Specification Grade and permit installation of two devices in a space normally occupied by only one, resulting in reduced installation time and increased convenience.

The following pages provide a detailed listing of the complete line of Leviton combination devices.

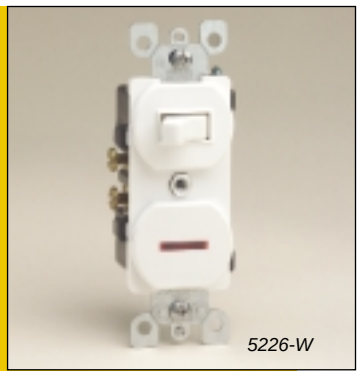
COMMERCIAL SPECIFICATION GRADE
AC COMBINATION SWITCHES

15A Devices ____ **E1**
- **15A Switch/Receptacle** ____ **E1**
- **15A Switches** ____ **E1**
- **15A S.P. Switch/Neon Pilot Light** ____ **E1**

20A Devices ____ **E2**
- **20A S.P. Switches** ____ **E2**
- **20A S.P. Switch/Receptacle** ____ **E2**
- **20A S.P. Switch/Neon Pilot Light** ____ **E2**
- **15A GFCI Receptacle/20A Feed-Through/8.3A Switch** ____ **E2**

AC Combination Devices

5225-W


5226-W

SPECIFICATIONS & FEATURES

- Available with AC quiet switches
- AC quiet switches have silver-cadmium oxide contacts and receptacles have double-wipe contacts for maximum conductivity
- All devices are side wired with terminal screws that accept up to #10 copper or copper-clad wire
- All devices fit standard wallboxes and are suitable for ganging
- Break-off tabs on devices with AC quiet switches permit conversion to separate feeds (except switch/pilot light combinations)

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified where applicable (File #LR-3413)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W).

15 AMP 125V AC Receptacle 15 AMP 120V AC 1/2 HP @ 120V Switch

DESCRIPTION	CAT. NO.	COLOR* Basic Cat.No. Denotes Brown
Single-Pole Switch and Grounding Receptacle	5225	I, W
3-Way Switch and Grounding Receptacle	5245	I

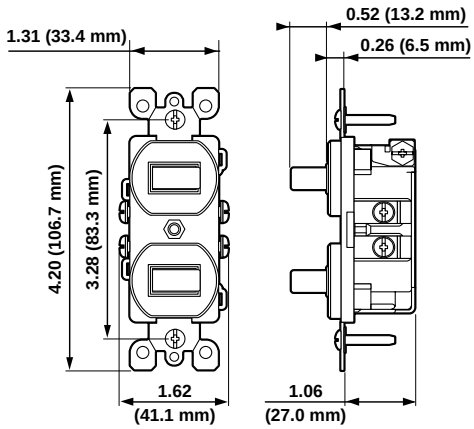
15 AMP 120/277V AC 1/2 HP @ 120V 2 HP @ 240V Switches

DESCRIPTION	CAT. NO.	COLOR* Basic Cat.No. Denotes Brown
2 Single-Pole Switches	5224	I, W
2 Single-Pole Switches, Grounding	5224-2	I, W
Single-Pole and 3-Way Switch	5241	I, W
Two 3-Way Switches	5243	I, W

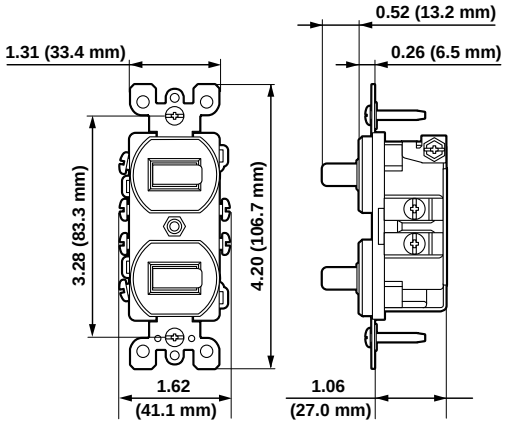
15 AMP 120V AC 1/2 HP @ 120V Switch 1/25 WATT 120V Neon Pilot Light

DESCRIPTION	CAT. NO.	COLOR* Basic Cat.No. Denotes Brown
Single-Pole Switch and Neon Pilot Light*	5226	I,W

*Pilot lights are not covered by warranty.
All devices are UL Listed and CSA Certified.



TWO SINGLE-POLE SWITCHES
Cat. No. 5224



TWO 3-WAY SWITCHES
Cat. No. 5243

AC Combination Devices

20 AMP 120/277V AC 1 HP @ 120V 2 HP @ 240V AC Switches

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat.No. Denotes Brown*
2 Single-Pole Switches★	5334	I

20 AMP 125V AC Receptacle 20 AMP 120V AC Switch

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat.No. Denotes Brown*	NEMA CONFIG.
Single-Pole Switch and Grounding Receptacle★	5335	I	5-20R

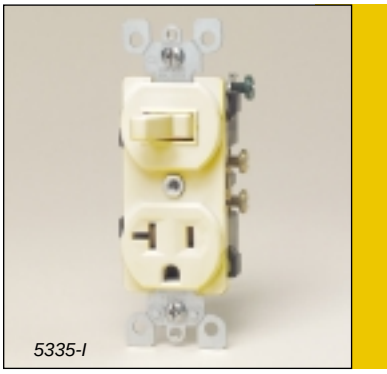
20 AMP 120V AC 1/2 HP @ 120V Switch 1/25 WATT 120V AC Neon Pilot Light

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat.No. Denotes Brown*
Single-Pole Switch and Neon Pilot Light★	5336	I

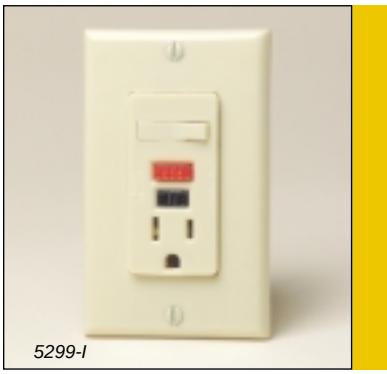
15 AMP 125V GFCI Receptacle 20 AMP 125V Feed Through 8.3 AMP 1000 WATT 120V AC Switch

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat.No. Denotes Brown*	
Combination Switch/GFCI Receptacle	5299	I, W, GY, A	5-15R

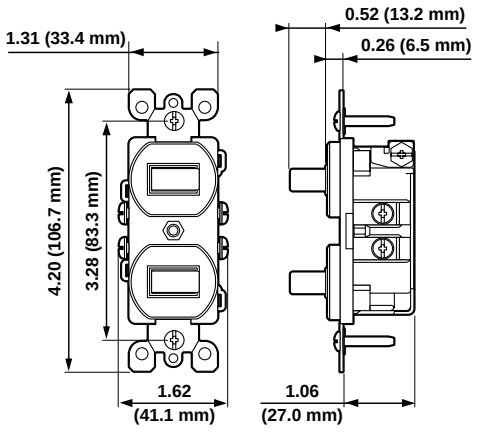
Note: For more information regarding Cat. No. 5299, see Section F, GFCI Protection Devices
All devices are UL Listed. Also CSA Certified except where indicated by★



5335-I



5299-I



TWO SINGLE-POLE SWITCHES
Cat. No. 5334

SPECIFICATIONS & FEATURES

- Available with AC quiet switches or T-rated switches
- AC quiet switches have silver-cadmium oxide contacts and receptacles have double-wipe contacts for maximum conductivity
- All devices are side wired with terminal screws that accept up to #10 copper or copper-clad wire
- All devices fit standard wallboxes and are suitable for ganging (except 5299)
- Break-off tabs on devices with AC quiet switches permit conversion to separate feeds (except switch/pilot light combinations)

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458); Cat. No. 5299 (File #E-48380)
- UL Standards Cat. No. 5299: 943 Class A (GFCI), 20 (switches) and 498 (receptacles)
- CSA Certified where applicable (File #LR-3413); Cat. No. 5299 (File #LR-35324)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Almond (-A).

“Leviton’s Ground Fault Circuit Interrupters help protect my workers at the job site from electric shock and worse! They’re tough and water-resistant. Leviton GFCI’s are UL tested and help me comply with OSHA regulations and NEC requirements.”

Pulp and Paper Facility Manager

GFCI Personnel Protection Devices

Leviton is the leading designer and manufacturer of Ground Fault Circuit Interrupters (GFCIs) in the electrical industry. For more than a quarter of a century, Leviton has developed — and continues to develop — GFCI receptacles and other products to help reduce the hazard of serious electrical shock.

The National Electric Code requires GFCI protection in specific locations within residential, commercial and industrial installations. New and revised GFCI applications appear with each new edition of the code. Leviton offers the largest and most diverse line of high quality, reliable devices to meet the demand for ground fault protection. Following is a complete listing of Leviton's GFCI product line.

GFCI PERSONNEL PROTECTION DEVICES

Hospital Grade GFCI Receptacles _____F1
Commercial Grade GFCI Receptacles ____F1
Switch-Rated Blank Face GFCI _____F1
Combination Switch/GFCI Outlet _____F1
Smart Lock™ GFCI Receptacle_____F2
High-Current GFCI _____F3
Right-Angle GFCI Plug_____F3
Shallow Wallbox Extender for GFCI _____F3
GFCI Cordsets and Extension Cords _____F4
GFCI Accessories _____F5
Flush Cover Wallplates _____F5
Raintight While-In-Use Covers _____F5
GFCI Circuit Tester _____F5
Temporary Portable Power Distribution Center/GFCI (The Box) _____F5
Power Cords _____F5

SECTION F

GFCI Personnel Protection Devices

6599-W

5299-W

Hospital Grade GFCI Receptacles — Back and Side Wired

15 AMP 125V at Receptacle; 20 AMP 125V Feed-Through

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Duplex Receptacle with LED Indicator Light	6598-HG	I, W, GY, R	5-15R

20 AMP 125V at Receptacle and Feed-Through

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Duplex Receptacle with LED Indicator Light	6898-HG	I, W, GY, R	5-20R

Commercial Grade GFCI Receptacles — Back and Side Wired

15 AMP 125V at Receptacle; 20 AMP 125V Feed-Through

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
No Indicator Light	6599	I, W, GY, E, A	5-15R
Duplex Receptacle with LED Indicator Light	6598	I, W	
With 4½" Leads★	6599-L	I, W	
Buttons match face color	6599-A	I, W, A	

20 AMP 125V at Receptacle and Feed-Through

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
No Indicator Light	6899	I, W, GY	5-20R
Duplex Receptacle with LED Indicator Light	6898	I, W	
Buttons match face color	6899-A	I, W, A	

Switch-Rated GFCI - Back and Side Wired 20 AMP 125V Switch-Rated; Switch Rating 1.5 HP @ 120V

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown
Blank Face GFCI, No Indicator Light	6490	I, W, E

Combination Switch GFCI Outlet — Side Wired

Switch 1000W 125V AC; Outlet 15 AMP 125V; Feed-Through 20AMP 125V

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown
Single-Pole Switch & GFCI Protected Outlet	5299	I, W

All devices are UL Listed. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES

Receptacles

- Trip threshold meets or exceeds UL requirements for tripping time
- Impact-resistant thermoplastic cover and body
- Silver alloy contacts
- Compatible with all Decora devices; supplied with Decora wallplate; available in selected Decora colors

Combination Switch/GFCI

- Ideal for kitchens, bathrooms, modular kitchen units, bathroom cabinet fixtures, lamp cabinet fixtures and applications where combination devices are used.

TESTING & CODE COMPLIANCE

- UL Standard 943 Class A (GFCI) and 498 (receptacles)
- UL Listed (File #48380)
- Meets ANSI C73, NEMA WD-1 requirements for duplex receptacles
- CSA Certified (LR-57811)
- Backed by a Limited Two-Year Warranty

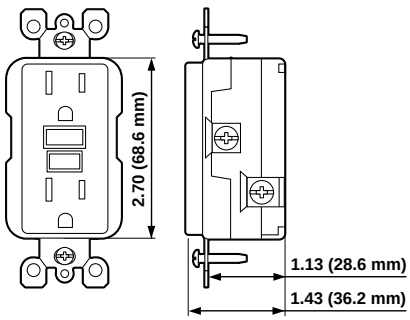
*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Red (-R), Black (-E), Almond (-A).

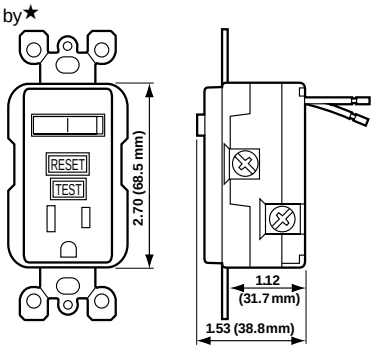
MATERIAL CHARACTERISTICS

Flammability: Rated V2

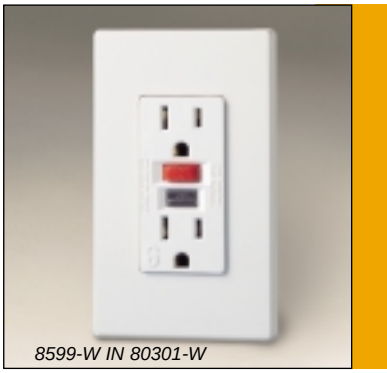
Operating Temperature: -30°F (-35°C) to 151°F (66°C)



COMMERCIAL GRADE GFCI RECEPTACLE
Cat No. 6599



COMBINATION SWITCH GFCI OUTLET
Cat No. 5299


8599-W IN 80301-W

Smart Lock™ GFCI with Lockout Action

Leviton's Innovative Patent-Pending GFCI Receptacle

- Automatically tests the GFCI every time the RESET button is pushed in. The GFCI will not reset if the GFCI circuit is not functioning properly for any reason

Ideal for a Wide Range of GFCI Applications

- Educational Facilities — Classrooms, bathrooms, laboratories, dormitory bathrooms and kitchens
- Airports — Public bathrooms, general use and maintenance areas
- Restaurants, Lodging and Retail Malls — Public bathrooms, general use and maintenance areas
- Residential — Kitchen, bathrooms, basements, outdoor receptacles and all locations where GFCI's are typically installed
- Public Areas — In any facility where GFCI receptacles are installed

Smart Lock™ GFCI Receptacles — Back and Side Wired

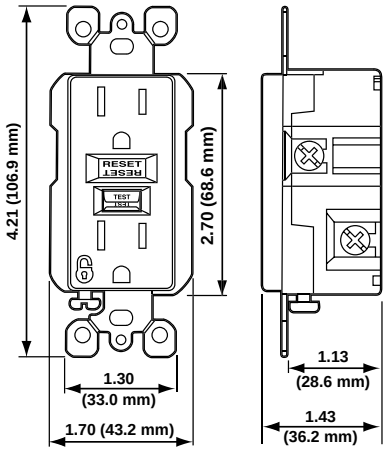
15 AMP 125V at Receptacle; 20 AMP 125V Feed-Through

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*	NEMA CONFIG.
Duplex GFCI Receptacle with lockout action	8599	I, W, GY, A, E	5-15R

20 AMP 125V at Receptacle; 20 AMP 125V Feed-Through

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*	NEMA CONFIG.
Duplex GFCI Receptacle with lockout action	8899	I, W, GY, A, E	5-20R

All devices are UL Listed.



SMART LOCK™ GFCI RECEPTACLE
Cat. No. 8599

SPECIFICATIONS & FEATURES

- TEST and RESET functions work together so that a tripped GFCI cannot be reset if GFCI circuit no longer provides ground fault protection
- RESET button is blocked if GFCI protection has been compromised, eliminating the possibility of end-users incorrectly assuming that a reset GFCI is providing ground fault protection when in actually is not
- Cannot be reset if neutral is not present. GFCI can still be tripped with TEST button under this condition
- Line-load diagnostic feature prevents GFCI from being reset and stops power from being fed through to downstream devices. This alerts installer to a line-load reversal. NOTE: Power will still be available to GFCI receptacle face in this condition and there will be no GFCI protection at the receptacle face
- Advanced electronics design provides superior resistance to electrical surges and over-voltages
- Patent-pending design manufactured and offered exclusively by Leviton
- Trip threshold meets or exceeds UL requirements for tripping time
- Impact-resistant thermoplastic cover and body
- Silver-alloy contacts
- Compatible with all Decora devices: available in selected Decora colors

TESTING & CODE COMPLIANCE

- UL Standard 943 Class A (GFCI) and 498 (Receptacles)
- UL Listed (File # 48380)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

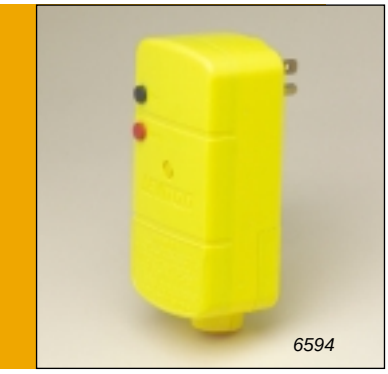
*COLOR

Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-GY), Black (-E), Almond (-A)

MATERIAL CHARACTERISTICS

Flammability: Rated V2

Operating Temperature: -30°F (-35°C) to 151°F (66°C)


6594

6895-W

High Current GFCI — Back and Side Wired

DESCRIPTION	CAT. NO.	COLOR* *No Brown*
High Current GFCI★	6895	I, W, E

Note: The 6895 is wired in conjunction with a switching contactor or relay supplied by the customer. Each 6895 and contactor combination MUST be reviewed and approved by UL. Contact Leviton, Little Neck, for list of combinations approved to date.

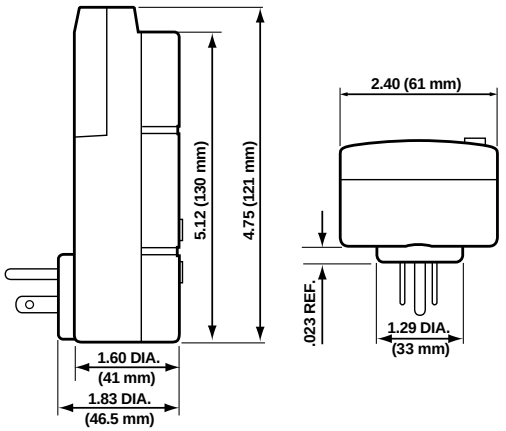
Right Angle GFCI Plug

DESCRIPTION	CAT. NO.	COLOR* *No Brown*	NEMA CONFIG.
Rated 15A-125V, Automatic Reset	6593	E	5-15P
Rated 15A-125V, Manual Reset	6594	Yellow	
Rated 20A-125V, Automatic Reset	6893	E	5-20P
Rated 20A-125V, Manual Reset	6894	Yellow	
Waterproof Cover for Right Angle GFCI Plugs with ground pin up orientation	86593	Clear	

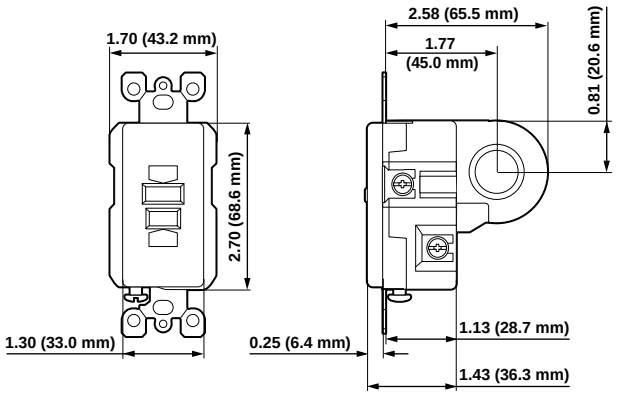
GFCI Wallbox Extender

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Shallow Wallbox extender for GFCI	6197	I, W

All devices are UL Listed. Also CSA Certified except where indicated by★



RIGHT ANGLE GFCI PLUG
Cat. No. 6593



HIGH CURRENT GFCI
Cat. No. 6895

SPECIFICATIONS & FEATURES

General/Receptacles
- Trip threshold meets or exceeds UL requirements for tripping time
- Impact-resistant thermoplastic cover and body.
- Silver alloy contacts
- Compatible with all Decora devices

High Current GFCI
- Adds ground fault protection to heavy equipment powered through 3-and 4-wire circuits grounded with neutral
- Contact rating at GFCI: 20A 125V; load capability with 125V control relay 50 @ 240V max.
- Test and Reset buttons confirm proper operation
- Ideal for use with spas, heater packs, high pressure washers, industrial mixers and other equipment

Right Angle GFCI Plug
- May be pre-wired to cable of any specified length
- Wiring module accepts No. 18 (.300") thru No. 12 (.607") cord sizes
- Power indicator light goes off if GFCI trips or unit is unplugged

TESTING & CODE COMPLIANCE
- UL Standard 943 Class A (GFCI) and 498 (receptacles)
- UL Listed (File #48380)
- CSA Certified (LR-57811)
- Backed by a Limited One-Year Warranty

*COLOR
Basic Cat. Nos. shown above denote Brown color. For other color selections, add the suffix to catalog number as follows: Ivory (-I), White (-W), Black (-E).

MATERIAL CHARACTERISTICS
Flammability: Rated V2

Operating Temperature: -30°F (-35°C) to 151°F (66°C)

Automatic Reset GFCI Cord Sets† and Extension Cord — Black Body

DESCRIPTION	CAT. NO.	LENGTH	NEMA CONFIG.
15A-125V GFCI Cord Set	66591-2C	2 feet	5-15P 5-15R
15A-125V GFCI Cord Set	66591-6C	6 feet	
15A-125V GFCI Cord Set	66591-25C	25 feet	
15A-125V GFCI Cord Set, Triple Outlet	66593-3	3 feet	
15A-125V Locking GFCI Cord Set	66597-3	3 feet	L5-15P L5-15R
20A-125V GFCI Cord Set	66891-3	3 feet	5-20P 5-20R
20A-125V Locking GFCI Cord Set	66897-3	3 feet	L5-20P L5-20R
15A-125V GFCI Extension Cord*	26591-37C	37 feet	5-15P No Connector
15A-240V GFCI Extension Cord*	26592-E	35 feet	6-15P No Connector
20A-125V GFCI Extension Cord*	36591-37C	37 feet	5-20P No Connector
20A-240V GFCI Extension Cord*	36592-E	35 feet	6-20P No Connector

Manual Reset GFCI Cord Sets — High Visibility Yellow Body

DESCRIPTION	CAT. NO.	LENGTH	NEMA CONFIG.
15A-125V	69591-3	3 feet	5-15P 5-15R
15A-125V	69591-25	25 feet	
Triple-tap, 15A-125V	69593-3	3 feet	
20A-125V	69891-3	3 feet	5-20P 5-20R
20A-125V, Locking★	69897-3	3 feet	L5-20P L5-20R
15A-125V, w/Wetguard™ Plugs and Connectors	69591-W3	3 feet	5-15P 5-15R
15A-125V, w/Wetguard™ Plugs and Connectors	69591-W25	25 feet	
20A-125V, w/Wetguard™ Plugs and Connectors★	69891-W3	3 feet	5-20P 5-20R

†Automatic reset GFCI cord sets (black body) automatically reset ON when power is restored. Manual reset units (yellow body) will not automatically reset after power interruption; the reset button must be pushed in.

*UL recognized component

All devices are UL Listed. Also CSA Certified except where indicated by★

66593-3

69591-W3

SPECIFICATIONS & FEATURES

- Trip threshold meets or exceeds UL requirements for tripping time
- Impact-resistant thermoplastic cover and body.
- Silver alloy contacts
- Water-resistant enclosure is sealed by ultrasonic welding

Cord Sets/Extension Cord

- Water-resistant enclosure sealed by ultrasonic welding
- Power indicator light goes off if GFCI trips or unit is unplugged

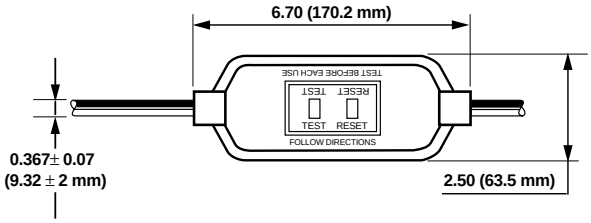
TESTING & CODE COMPLIANCE

- UL Standard 943 Class A (GFCI)
- UL Listed (File #48380)
- Backed by a Limited One-Year Warranty

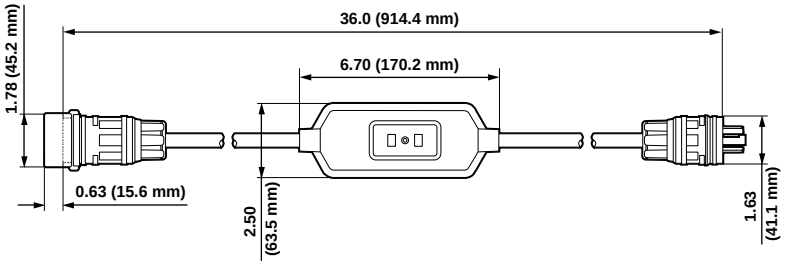
MATERIAL CHARACTERISTICS

Flammability: Rated V2

Operating Temperature: -30°F (-35°C) to 151°F (66°C)



15A AUTO GFCI CORD
Cat. No. 66591-2C



MANUAL RESET GFCI CORD
Cat. No. 69897-3

5977-CL

6185

SPECIFICATIONS & FEATURES

The Box

- For temporary use in industrial & commercial maintenance & repair stations (construction, entertainment, amusement sites, trade shows, convention halls) where portable power is needed
- Weatherproof covers prevent nuisance tripping; prevent moisture from entering contacts
- Clear port hole panel for circuit breaker viewing
- Reinforced metal housing & legs withstand abuse

Power Cords

- Flexible, abrasion-resistant construction for reliable performance to -31°F

TESTING & CODE COMPLIANCE

- Raintight covers satisfy NEC Article 410-57(b) requirements
- Raintight covers are rated NEMA 3R

The Box

- Meets OSHA Regulation 20, Part 1926, Subpart K for open-neutral GFCI & circuit overload protection
- UL Listed for outdoor use
- Backed by a Limited One-Year Warranty

Power Cords

- UL Listed (File #E-48380)

GFCI Accessories

Single Gang Flush Cover Wallplates — Gray Finish

MOUNTING POSITION & DESCRIPTION	CAT. NO.	FITS TYPE OF BOX
Vertical — Die-Cast Zinc	6196-V	Standard
Horizontal — Die-Cast Zinc	6196	Standard
Vertical — Die-Cast Zinc	6196-VFS	FS (Four Screws)
Horizontal — Die-Cast Zinc	6196-FS	FS (Four Screws)
Horizontal — Die-Cast Zinc	4990	Standard
Vertical — Die-Cast Zinc★	4992	Standard
Horizontal — Plastic	4996	Standard
Vertical — Plastic	4998	Standard

Raintight While-In-Use Covers

DESCRIPTION	CAT. NO.	COLOR
GFCI, Vertical Mount	5977-GY	Gray
GFCI, Vertical Mount w/Extra Deep Cover	5977-DGY	Gray
GFCI, Vertical Mount	5977-CL	Clear
GFCI, Vertical Mount w/Extra Deep Cover	5977-DCL	Clear
GFCI, Horizontal Mount	5997-GY	Gray
GFCI, Horizontal Mount w/Extra Deep Cover	5997-DGY	Gray
GFCI, Horizontal Mount	5997-CL	Clear
GFCI, Horizontal Mount w/Extra Deep Cover	5997-DCL	Clear

GFCI Circuit Tester 15/20A 125V AC

DESCRIPTION	CAT. NO.
GFCI Circuit Tester	6185
GFCI Circuit Tester Carrying Case	6182

Temporary Portable Power Distribution Center/GFCI (The Box)

DESCRIPTION	CAT. NO.	INLET	OUTLET	NEMA CONFIG.
Power Distribution Box, 6 GFCI-Protected 20A/125V Locking Receptacles; 1 Locking Receptacle 30A/250V*	PB101	50A, 125/250V†	50A, 125/250V†	6: L5-20R 1:L 6-30R
Power Distribution Box, 6 GFCI-Protected 20A/125V Straight Blade Receptacles; 1 Locking Receptacle 30A/125V*	PB103	50A, 125/250V†	50A, 125/250V†	6: 5-20R 1: L6-30R

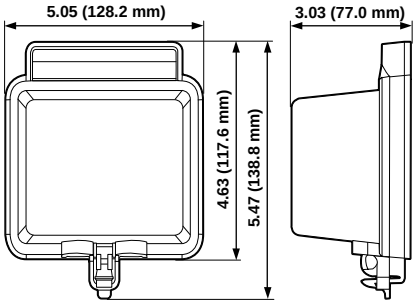
Power Cords

DESCRIPTION	CAT. NO.
50 ft. Temporary Power Cord w/Weather-Resistant 50A, 125/250 Plug & Connector	PSC-050
100 ft. Temporary Power Cord w/Weather-Resistant 50A, 125/250 Plug & Connector	PSC-100

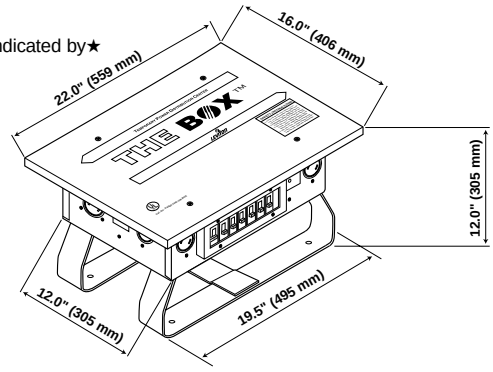
***Non-GFCI-protected**

†"California Style" CS locking devices are non-NEMA

All devices are UL Listed. Also CSA Certified except where indicated by★



RAINTIGHT WHILE-IN-USE COVER
Cat. No. 5997-CL



"THE BOX" POWER DISTRIBUTION CENTER
Cat. No. PB101

Wallplates

Leviton offers a comprehensive selection of wallplates that are designed to achieve these basic functions: enhance residential home decor, blend into commercial settings and protect industrial applications. Leviton's varied array of wallplates includes such lines as screwless Decora Plus; Decora designer style; high abuse nylon; standard sizes in plastic, brass, chrome and aluminum; two grades of stainless steel; three categories of larger size wallplates in plastic or metal; and custom wallplate configurations. In addition, Leviton offers a variety of self-closing weather-resistant covers that are corrosion-, water-, and impact-resistant.

HIGH PERFORMANCE WALLPLATES

Features & Benefits ____ G1
Decora Plus ____ G2
Decora Designer Style ____ G3—G4
Decora Canadian 347V (Midway Size) ____ G5
Decora Oversized ____ G5
High-Performance Nylon ____ G6—G12
- Commercial Grade ____ G6—G9
- Hot-Stamped Nylon ____ G9—G10
- Midway Size ____ G1—G12

Metal Wallplates ____ G13—G26
- Toggle Switch ____ G13—G14
- Duplex Receptacle ____ G15
- Single Receptacle ____ G16
- Telephone or Cable Outlet
  - Box Mount ____ G17
  - Strap Mount ____ G18
- Blank Plate Box Mount ____ G18—G19
- Blank Plate Strap Mount ____ G19—G20
- Power Outlet Receptacle
  - One-Gang ____ G12, G20
  - Two-Gang ____ G20
- Locking Receptacle
  - One-Gang ____ G20
  - Two-Gang with Centered Opening ____ G21
- Louvre Plates ____ G21—G22
- Toggle Switch and Single Receptacle ____ G22
- Toggle Switch and Duplex Receptacle ____ G22
- Toggle Switch and Decora/GFCI ____ G23
- Toggle Switch and Blank, Box Mount and Strap Mount ____ G23
- Standard Combination Two-Gang ____ G24
- Standard Combination Three-Gang ____ G25
- Standard Combination Four-Gang ____ G25
- Sectional for Multi-Gang Installations ____ G25
- Horizontal Split-Plate for Terminated Cable ____ G25
- Engraved ____ G26

Voice/Data/CATV ____ G27
Larger-Size Wallplates ____ G28—G35
- Midway ____ G28—G30
- Oversized ____ G31—G34
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Weather-Resistant Covers ____ G36—G39
- Raintight While-In-Use ____ G36
- Industrial Grade ____ G37
- Die-cast Zinc ____ G38
- Thermoplastic ____ G39
- Blank Box-Mount with Gasket ____ G39

Wallplate Accessories ____ G40
- Wallplate Screws ____ G40
- Mounting Screws ____ G40
- Pilot Light Jewels ____ G40
- Tamper-Resistant Spanner-Head Screws ____ G40
- Plastic Adapters ____ G40
- GFCI/Decora Wallbox Extender ____ G40
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- How to Fill Out Custom Order Form ____ G41—G43
- Custom Order Form ____ G44

SECTION G

COMMERCIAL SPECIFICATION GRADE

LEVITON Building a Connected World

High Performance Wallplates

Features and Benefits of *All* Leviton Wallplates

- UL Listed
- Noncombustible
- Easy to clean
- Conform to NEMA and ANSI Standards
- CSA Certified
- Includes metal mounting screws that match plate color
- All screws individually wrapped together in an envelope to protect plate from scratches
- For industrial, commercial and residential use
- Available in single-gang to multi-gang varieties

A Diverse Selection of Wallplates to Meet a Variety of Needs

Decora Plus

Contemporary architectural styling, snap-on design, combined with impact-resistant thermoplastic, enhances fine decor.

Cat. No. 80301-W

Decora Style

Sleek and smooth with rounded edges, they're available in a wide variety of colors and materials. Fits all GFCI receptacles and Decora devices.

Cat. No. 80401-I

High Abuse Nylon

Smooth face resists dust accumulation and stands up to cleaning solutions.

Cat. No. 80701-R

Standard Size Plastic

Developed to meet the needs of individual room/office decor.

Cat. No. 88003

Standard Size Chrome, Aluminum & Brass

Built to withstand abuse in virtually any room/office/industry.

Cat. No. 83401

Stainless Steel

Durable metal construction withstands abuse.

Cat. No. 84401-40

Midway and Jumbo

All larger-size wallplates are1/4" deep for a clean fit; extra long mounting screws accommodate greater depth and cover wall damage.

Cat. No. PJ264-I

Louvre

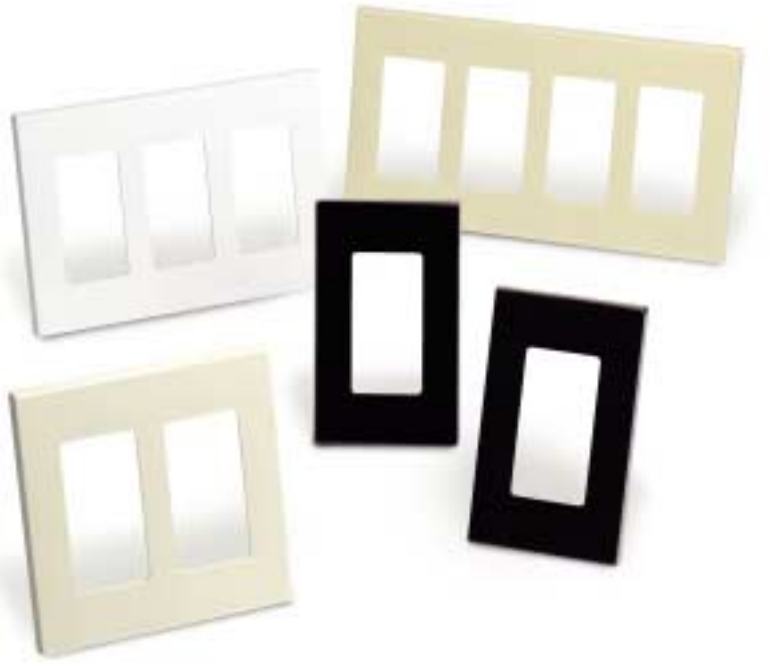
Combined with box-mounted lamphold-ers, Louvre wallplates provide soft illumina-tion for hallways, stairways, theater aisles and pathways.

Cat. No. 86080-I

To learn more about Leviton's outstanding offering of devices visit our Website at: www.leviton.com ***....Building a Connected World***

Decora Plus Wallplates Enhance Interiors in These Ways:

- Sleek, smooth contemporary architectural styling enhances fine decor
- Screwless, thermoplastic snap-on design for easy placement
- Decora-compatible two piece kit allows easy retrofit to any Decora installation
- Clear plates available for use with wallpaper to enhance decor
- UL Listed
- CSA Certified
- Meets NEMA Standards WD-1, WD-6
- Backed by a Limited 10-Year Warranty



Standard Size

Decora Plus Screwless Snap-On Wallplates

DESCRIPTION	MAHOGANY	IVORY	WHITE	ALMOND	GRAY	EBONY/BLACK	CLEAR
1-GANG	80301	80301-I	80301-W	80301-A	80301-GY	80301-E	80301-CL
2-GANG	80309	80309-I	80309-W	80309-A	80309-GY	80309-E	80309-CL
3-GANG	80311	80311-I	80311-W	80311-A	80311-GY	80311-E	—
4-GANG	80312	80312-I	80312-W	80312-A	80312-GY	80312-E	—
5-GANG	—	80321-I	80321-W	80321-A	—	—	—
6-GANG	—	80326-I	80326-W	80326-A	—	—	—

*Consult factory for availability.

All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Decora Wallplates Enhance Every Interior

- Accent any wall covering with a wide selection of colors and materials
- Resist dust accumulation with Decora's smooth face and rounded edges
- Individual plastic wrapping to protect the surface
- Includes metal mounting screws that match plate color
- UL Listed
- CSA Certified
- Meets NEMA Standards WD-1, WD-6
- Backed by a Limited 10-Year Warranty

Standard Size

Decora Commercial Grade Nylon Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.
1-GANG 1-Decora	IVORY	80401-NI	N26-I
	BLACK	80401-NE	——
	GRAY	80401-NGY	N26-GRY
	RED	80401-NR	N26-RED
	WHITE	80401-NW	N26-W
	BROWN	80401-N	N26
	BLUE	80401-NB	N26-BU
	ALMOND	80401-NA	N26-A
2-GANG 2-Decora	IVORY	80409-NI	N262-I
	BLACK	80409-NE	——
	GRAY	80409-NGY	N262-GRY
	RED	80409-NR	N262-RED
	WHITE	80409-NW	N262-W
	BROWN	80409-N	N262
	BLUE	80409-NB	N262-BU
	ALMOND	80409-NA	N262-A
3-GANG 3-Decora	IVORY	80411-NI	N263-I
	GRAY	80411-NGY	N263-GRY
	WHITE	80411-NW	N263-W
	BROWN	80411-N	N263
	ALMOND	80411-NA	N263-A
4-GANG 4-Decora	IVORY	80412-NI	N264-I
	GRAY	80412-NGY	N264-GRY
	WHITE	80412-NW	N264-W
	BROWN	80412-N	N264
	ALMOND	80412-NA	N264-A
5-GANG 5-Decora	IVORY	80423-NI	N265-I
	BLACK	80423-NE	——
	GRAY	80423-NGY	N265-GRY
	RED	80423-NR	N265-RED
	WHITE	80423-NW	N265-W
	BROWN	80423-N	N265
	ALMOND	80423-NA	N265-A
6-GANG 6-Decora	IVORY	80436-NI	N266-I
	BLACK	80436-NE	——
	GRAY	80436-NGY	N266-GRY
	RED	80436-NR	N266-RED
	WHITE	80436-NW	N266-W
	BROWN	80436-N	N266
	ALMOND	80436-NA	N266-A

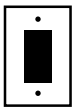
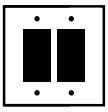
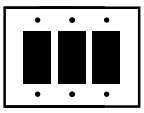
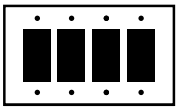
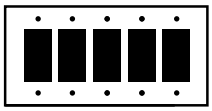
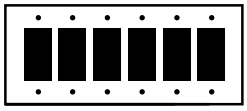
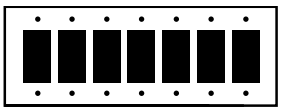
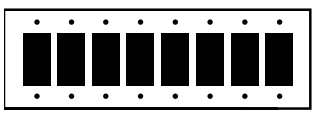
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Standard Size

Decora Plastic and Metal Wallplates

RESIDENTIAL GRADE — COMMERCIAL SPECIFICATION GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **1-GANG 1-Decora**	IVORY	80401-I	P26-I	CHROME	*	———
	BLACK	80401-E	P26-BK	ALUM	83401	A26
	GRAY	80401-GY	P26-GRY	BRASS	81401	B26
	WHITE	80401-W	P26-W	POLISHED BRASS	81401-PB	———
	BROWN	80401	P26	430 S/S	*	———
	ALMOND	80401-A	P26-A	302 S/S	84401-40	S26-N
 **2-GANG 2-Decora**	IVORY	80409-I	P262-I	CHROME	*	———
	BLACK	80409-E	P262-BK	ALUM	83409	A262
	GRAY	80409-GY	P262-GRY	BRASS	81409	B262
	WHITE	80409-W	P262-W	POLISHED BRASS	81409-PB	———
	BROWN	80409	P262	430 S/S	*	———
	ALMOND	80409-A	P262-A	302 S/S	84409-40	S262-N
 **3-GANG 3-Decora**	IVORY	80411-I	P263-I	CHROME	*	———
	BLACK	80411-E	P263-BK	ALUM	83411	A263
	GRAY	80411-GY	P263-GRY	BRASS	81411	B263
	WHITE	80411-W	P263-W	POLISHED BRASS	81411-PB	———
	BROWN	80411	P263	430 S/S	*	———
	ALMOND	80411-A	P263-A	302 S/S	84411-40	S263-N
 **4-GANG 4-Decora**	IVORY	80412-I	P264-I	CHROME	*	———
	BLACK	80412-E	P264-BK	BRASS	81412	B264
	GRAY	80412-GY	P264-GRY	430 S/S	*	———
	WHITE	80412-W	P264-W	302 S/S	84412-40	S264-N
	BROWN	80412	P264			
	ALMOND	80412-A	P264-A			
 **5-GANG 5-Decora**	IVORY	80423-I	P265-I	BRASS	81423	B265
	BLACK	80423-E	P265-BK	430 S/S	*	———
	GRAY	80423-GY	P265-GRY	302 S/S	84423-40	S265-N
	WHITE	80423-W	P265-W			
	BROWN	80423	P265			
	ALMOND	80423-A	P265-A			
 **6-GANG 6-Decora**	IVORY	80436-I	P266-I	BRASS	*	B266
	BLACK	80436-E	P266-BK	430 S/S	*	———
	GRAY	80436-GY	P266-GRY	302 S/S	84436-40	S266-N
	WHITE	80436-W	P266-W			
	BROWN	80436	P266			
	ALMOND	80436-A	P266-A			
 **7-GANG 7-Decora**	IVORY	80407-I†	S607-I	BRASS	*	B607
	WHITE	80407-W†	S607-W	430 S/S	*	———
				302 S/S	*	S607-N
 **8-GANG 8-Decora**	IVORY	80408-I†	S609-I	BRASS	*	B609
	WHITE	80408-W†	S609-W	430 S/S	*	———
				302 S/S	*	S609-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.

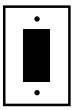
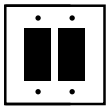
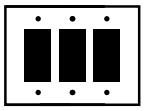
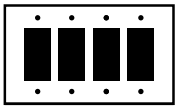
†Painted metal wallplate.

All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Midway Size

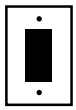
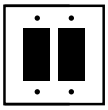
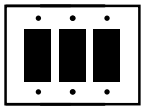
Decora Style Nylon Wallplates for Canadian 347V Decora Devices

DESCRIPTION	MAHOGANY	IVORY	WHITE	GRAY
1-GANG 	80401-CNB	80401-CNI	80401-CNW	80401-CNG
2-GANG 	80409-CNB	80409-CNI	80409-CNW	80409-CNG
3-GANG 	80411-CNB	80411-CNI	80411-CNW	80411-CNG
4-GANG 	80412-CNB	80412-CNI	80412-CNW	80412-CNG

NOTE: Canadian 347V Decora wallplates fit "Commander Type" boxes.
Decora GFCI fits all Decora style decices and GFCI receptacles

Oversized

Decora Style Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG 1-Decora 	——	——	——	430 S/S 302 S/S	* SO26	—— SO26-N
2-GANG 2-Decora 	——	——	——	430 S/S 302 S/S	* SO262	—— SO262
3-GANG 3-Decora 	——	——	——	430 S/S 302 S/S	* SO263	—— SO263

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

COMMERCIAL SPECIFICATION GRADE

High Performance Nylon Wallplates

LEVITON Building a Connected World

Advantages of *All* Leviton Nylon Wallplates

- Molded nylon for maximum resistance to impact, abrasion, grease, oils, acids, moisture, fading and discoloration
- Resistant to mechanical stress associated with high abuse applications
- Includes metal mounting screws that match plate color
- Commercial grade devices backed by a Limited 10-Year Warranty

Standard Size

Commercial Grade Nylon Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.
1-GANG 1-Toggle	IVORY	80701-I	N1-I
	BLACK	80701-E	N1-BK
	GRAY	80701-GY	N1-GRY
	RED	80701-R	N1-RED
	WHITE	80701-W	N1-W
	BROWN	80701	N1
	ALMOND	80701-A	N1-A
2-GANG 2-Toggles	IVORY	80709-I	N2-I
	BLACK	80709-E	N2-BK
	GRAY	80709-GY	N2-GRY
	RED	80709-R	N2-RED
	WHITE	80709-W	N2-W
	BROWN	80709	N2
	ALMOND	80709-A	N2-A
3-GANG 4-Toggles	IVORY	80711-I	N3-I
	BLACK	80711-E	N3-BK
	GRAY	80711-GY	N3-GRY
	RED	80711-R	N3-RED
	WHITE	80711-W	N3-W
	BROWN	80711	N3
	ALMOND	80711-A	N3-A
4-GANG 4-Toggles	IVORY	80712-I	N4-I
	BLACK	80712-E	N4-BK
	GRAY	80712-GY	N4-GRY
	RED	80712-R	N4-RED
	WHITE	80712-W	N4-W
	BROWN	80712	N4
	ALMOND	80712-A	N4-A
5-GANG 5-Toggles	IVORY	80723-I	N5-I
	GRAY	80723-GY	N5-GRY
	WHITE	80723-W	N5-W
	BROWN	80723	N5
6-GANG 6-Toggles	IVORY	80736-I	N6-I
	GRAY	80736-GY	N6-GRY
	WHITE	80736-W	N6-W
	BROWN	80736	N6
1-GANG 1-Duplex	IVORY	80703-I	N8-I
	BLACK	80703-E	N8-BK
	GRAY	80703-GY	N8-GRY
	RED	80703-R	N8-RED
	WHITE	80703-W	N8-W
	BROWN	80703	N8
	ORANGE	80703-ORG	N8-ORG
	BLUE	80703-BU	N8-BU
	ALMOND	80703-A	N8-A
2-GANG 2-Duplex	IVORY	80716-I	N82-I
	BLACK	80716-E	N82-BK
	GRAY	80716-GY	N82-GRY
	RED	80716-R	N82-RED
	WHITE	80716-W	N82-W
	BROWN	80716	N82
	ORANGE	80716-ORG	N82-ORG
	BLUE	80716-BU	N82-BU
	ALMOND	80716-A	N82-A

All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

High Performance Nylon Wallplates

COMMERCIAL SPECIFICATION GRADE

LEVITON Building a Connected World

Advantages of *All* Leviton Nylon Wallplates

- Molded nylon for maximum resistance to impact, abrasion, grease, oils, acids, moisture, fading and discoloration
- Resistant to mechanical stress associated with high abuse applications
- Includes metal mounting screws that match plate color
- Commercial grade devices backed by a Limited 10-Year Warranty

Standard Size

Commercial Grade Nylon Wallplates

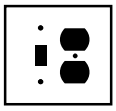
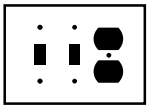
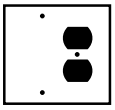
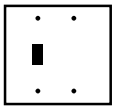
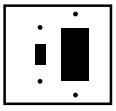
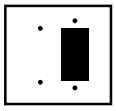
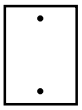
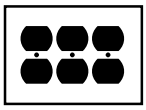
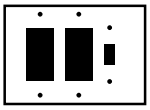
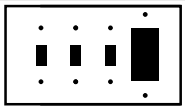
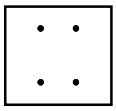
DESCRIPTION	COLOR	CAT. NO.	IND. NO.
1-GANG 1-Single 1.406" Hole	IVORY	80704-I	N7-I
	BLACK	80704-E	N7-BK
	GRAY	80704-GY	N7-GRY
	RED	80704-R	N7-RED
	WHITE	80704-W	N7-W
	BROWN	80704	N7
	ORANGE	80704-ORG	N7-ORG
	ALMOND	80704-A	N7-A
1-GANG 1-Decora	IVORY	80401-NI	N26-I
	BLACK	80401-NE	——
	GRAY	80401-NGY	N26-GRY
	RED	80401-NR	N26-RED
	WHITE	80401-NW	N26-W
	BROWN	80401-N	N26
	BLUE	80401-NB	N26-BU
2-GANG 2-Decora	IVORY	80409-NI	N262-I
	BLACK	80409-NE	——
	GRAY	80409-NGY	N262-GRY
	RED	80409-NR	N262-RED
	WHITE	80409-NW	N262-W
	BROWN	80409-N	N262
	BLUE	80409-NB	N262-BU
3-GANG 3-Decora	IVORY	80411-NI	N263-I
	GRAY	80411-NGY	N263-GRY
	WHITE	80411-NW	N263-W
	BROWN	80411-N	N263
4-GANG 4-Decora	IVORY	80412-NI	N264-I
	GRAY	80412-NGY	N264-GRY
	WHITE	80412-NW	N264-W
	BROWN	80412-N	N264
1-GANG Phone/Cable .406" Hole, Strap Mount	IVORY	80718-I	N12-I
	BLACK	80718-E	N12-BK
	GRAY	80718-GY	N12-GRY
	RED	80718-R	N12-R
	WHITE	80718-W	N12-W
	BROWN	80718	N12
1-GANG 1-Blank, Box Mount	IVORY	80714-I	N13-I
	BLACK	80714-E	N13-BK
	GRAY	80714-GY	N13-GRY
	RED	80714-R	N13-R
	WHITE	80714-W	N13-W
	BROWN	80714	N13
	ALMOND	80714-A	N13-A
2-GANG 2-Blanks, Box Mount	IVORY	80725-I	N24-I
	BLACK	80725-E	N24-BK
	GRAY	80725-GY	N24-GRY
	WHITE	80725-W	N24-W
	BROWN	80725	N24
	ALMOND	80725-A	N24-A
1-GANG 20 & 30 Amp Locking Receptacle 1.60" dia. Hole	IVORY	80720-I	N726-I
	BLACK	80720-E	N726-BK
	GRAY	80720-GY	N726-GRY
	RED	80720-R	N726-R
	WHITE	80720-W	N726-W
	BROWN	80720	N726
1-GANG MIDWAY 30 & 50 Amp Power Receptacle 2.15" dia. Hole	IVORY	80728-I	N724-I
	BLACK	80728-E	N724-BK
	GRAY	80728-GY	N724-GRY
	WHITE	80728-W	N724-W
	BROWN	80728	N724
2-GANG 30 & 50 Amp Power Receptacle 2.15" dia. Hole	IVORY	80726-I	N703-I
	WHITE	80726-W	N703-W
	BROWN	80726	N703

All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Standard Size

Commercial Grade Nylon Wallplates

DESCRIPTION		COLOR	CAT. NO.	IND. NO.
2-GANG **1-Toggle 1-Duplex**		IVORY BLACK GRAY RED WHITE BROWN ALMOND	80705-I 80705-E 80705-GY 80705-R 80705-W 80705 80705-A	N18-I N18-BK N18-GRY N18-RED N18-W N18 N18-A
3-GANG **2-Toggles 1-Duplex**		IVORY BLACK WHITE	80721-I 80721-E 80721-W	N28-I N28-BK N28-W
2-GANG **1-Blank, Box Mount, 1-Duplex**		IVORY WHITE	N138-I N138-W	N138-I N138-W
2-GANG **1-Toggle 1-Blank**		IVORY BLACK GRAY RED WHITE BROWN ALMOND	80706-I 80706-E 80706-GY 80706-R 80706-W 80706 80706-A	——— ——— ——— ——— ——— ——— ———
2-GANG **1-Toggle 1-Decora**		IVORY BLACK GRAY RED WHITE BROWN ALMOND	80707-I 80707-E 80707-GY 80707-R 80707-W 80707 80707-A	——— ——— ——— ——— ——— ——— ———
2-GANG **1-Blank 1-Decora**		IVORY BLACK GRAY RED WHITE BROWN ALMOND	80708-I 80708-E 80708-GY 80708-R 80708-W 80708 80708-A	——— ——— ——— ——— ——— ——— ———
1-GANG **1-Blank Strap Mount**		IVORY BLACK GRAY RED WHITE BROWN	80719-I 80719-E 80719-GY 80719-R 80719-W 80719	——— ——— ——— ——— ——— ———
3-GANG **3-Duplex**		IVORY BLACK GRAY RED WHITE BROWN	80730-I 80730-E 80730-GY 80730-R 80730-W 80730	——— ——— ——— ——— ——— ———
3-GANG **1-Toggle 2-Decora**		IVORY WHITE BROWN	80731-I 80731-W 80731	——— ——— ———
4-GANG **3-Toggle 1-Decora**		IVORY WHITE BROWN	80732-I 80732-W 80732	——— ——— ———
2-GANG **2-Blank Strap Mount**		IVORY BLACK GRAY RED WHITE BROWN	80734-I 80734-E 80734-GY 80734-R 80734-W 80734	——— ——— ——— ——— ——— ———

See page G26 for Engraved Metal Wallplates.
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Standard Size

Commercial Grade Nylon Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.
3-GANG **3-Blank Box Mount**	IVORY BLACK GRAY RED WHITE BROWN	80735-I 80735-E 80735-GY 80735-R 80735-W 80735	——— ——— ——— ——— ——— ———
4-GANG **3-Toggle 1-Duplex**	IVORY WHITE BROWN	80743-I 80743-W 80743	——— ——— ———
3-GANG **2-Toggle 1-Decora**	IVORY WHITE BROWN	80745-I 80745-W 80745	——— ——— ———
2-GANG **1-Duplex 1-Decora**	IVORY BLACK GRAY RED WHITE BROWN ALMOND	80746-I 80746-E 80746-GY 80746-R 80746-W 80746 80746-A	——— ——— ——— ——— ——— ———
3-GANG **1-Toggle 2-Duplex**	IVORY WHITE BROWN	80747-I 80747-W 80747	——— ——— ———

Hot Stamped Nylon Wallplates

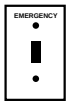
DESCRIPTION	COLOR	CAT. NO.	IND. NO.
1-GANG **1-Duplex Stamped "ISOLATED GROUND"**	IVORY ORANGE WHITE	80703-IGI 80703-IG 80703-IGW	N8-IG N8-IG N8-IG
1-GANG 1.406" dia. Hole **1-Single Stamped "ISOLATED GROUND"**	ORANGE	80704-IG	N7-IG
1-GANG 1.60" dia. Hole **1-Locking Receptacle** **Stamped "ISOLATED GROUND"**	ORANGE	80720-IG	N728-IG

See page G26 for Engraved Metal Wallplates.
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Standard Size

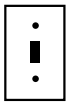
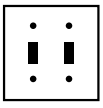
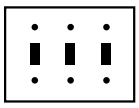
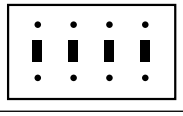
Hot Stamped Nylon Wallplates

DESCRIPTION		COLOR	CAT. NO.	IND. NO.
1-GANG 1-Decora		ORANGE stamped “ISOLATED GROUND”	80401-IG	N26-IG
		IVORY stamped “GFCI PROTECTED”	80401-GFI	——
		WHITE stamped “GFCI PROTECTED”	80401-GFW	——
		IVORY stamped “COMPUTER ONLY”	80401-COI	——
		WHITE stamped “COMPUTER ONLY”	80401-COW	——
1-GANG 1-Toggle		RED stamped “EMERGENCY”	80701-RE	N1E-RED
1-GANG 1-Duplex		RED stamped “EMERGENCY”	80703-RE	N8E-RED
		IVORY stampled “GFCI PROTECTED”	80703-GFI	——
		WHITE stamped “GFCI PROTECTED”	80703-GFW	——
		IVORY stamped “COMPUTER ONLY”	80703-COI	——
		WHITE stamped “COMPUTER ONLY”	80703-COW	——

See page G26 for Engraved Metal Wallplates.
All devices are UL Listed and CSA Certified.

Midway

Midway Size Nylon Wallplates

DESCRIPTION		COLOR	CAT. NO.	IND. NO.
1-GANG 1-Toggle		IVORY	PJ1-I	——
		BLACK	PJ1-E	——
		GRAY	PJ1-GY	——
		RED	PJ1-R	——
		WHITE	PJ1-W	——
		BROWN	PJ1	——
		ALMOND	PJ1-A	——
2-GANG 2-Toggle		IVORY	PJ2-I	——
		BLACK	PJ2-E	——
		GRAY	PJ2-GY	——
		RED	PJ2-R	——
		WHITE	PJ2-W	——
		BROWN	PJ2	——
		ALMOND	PJ2-A	——
3-GANG 3-Toggle		IVORY	PJ3-I	——
		BLACK	PJ3-E	——
		GRAY	PJ3-GY	——
		RED	PJ3-R	——
		WHITE	PJ3-W	——
		BROWN	PJ3	——
		ALMOND	PJ3-A	——
4-GANG 4-Toggle		IVORY	PJ4-I	——
		BLACK	PJ4-E	——
		GRAY	PJ4-GY	——
		RED	PJ4-R	——
		WHITE	PJ4-W	——
		ALMOND	PJ4-A	——

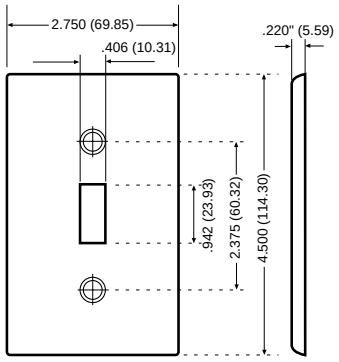
See page G26 for Engraved Metal Wallplates.
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

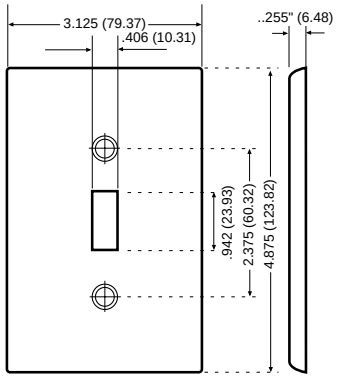
Midway Wallplates

All Leviton Midway wallplates can be mounted onto larger volume outlet boxes and/orused to hide wall irregularities. All 1-Gang Midway wallplates are 4.875" H x 3.125" W. Midway wallplates are a full 0.375" higher and wider than standard wallplates.

Standard Size



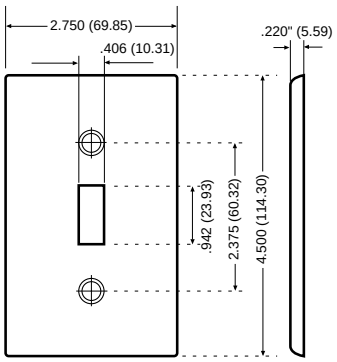
Midway Size



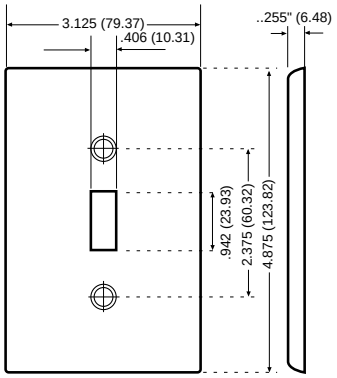
Midway Wallplates

All Leviton Midway wallplates can be mounted onto larger volume outlet boxes and/orused to hide wall irregularities. All 1-Gang Midway wallplates are 4.875" H x 3.125" W. Midway wallplates are a full 0.375" higher and wider than standard wallplates.

Standard Size



Midway Size



Midway

Midway Size Nylon Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.
1-GANG 1-Duplex	IVORY	PJ8-I	——
	BLACK	PJ8-E	——
	GRAY	PJ8-GY	——
	RED	PJ8-R	——
	WHITE	PJ8-W	——
	BROWN	PJ8	——
	ALMOND	PJ8-A	——
	BLUE	PJ8-BU	——
	ORANGE*	PJ8-IG	——
	RED**	PJ8-RE	——
2-GANG 2-Duplex	IVORY	PJ82-I	——
	BLACK	PJ82-E	——
	GRAY	PJ82-GY	——
	RED	PJ82-R	——
	WHITE	PJ82-W	——
	BROWN	PJ82	——
	ALMOND	PJ82-A	——
	RED**	PJ82-RE	——
1-GANG 1-Decora	IVORY	PJ26-I	——
	BLACK	PJ26-E	——
	GRAY	PJ26-GY	——
	RED	PJ26-R	——
	WHITE	PJ26-W	——
	BROWN	PJ26	——
	ALMOND	PJ26-A	——
	RED**	PJ26-RE	——
2-GANG 2-Decora	IVORY	PJ262-I	——
	BLACK	PJ262-E	——
	GRAY	PJ262-GY	——
	RED	PJ262-R	——
	WHITE	PJ262-W	——
	BROWN	PJ262	——
	ALMOND	PJ262-A	——
	BLUE	PJ262-BU	——
3-GANG 3-Decora	IVORY	PJ263-I	——
	WHITE	PJ263-W	——
	ALMOND	PJ263-A	——
4-GANG 4-Decora	IVORY	PJ264-I	——
	GRAY	PJ264-GY	——
	WHITE	PJ264-W	——
	ALMOND	PJ264-A	——
1-GANG 1-Single Receptacle 1.406" dia. Hole	IVORY	PJ7-I	——
	BLACK	PJ7-E	——
	GRAY	PJ7-GY	——
	RED	PJ7-R	——
	WHITE	PJ7-W	——
	BROWN	PJ7	——
	ALMOND	PJ7-A	——

*Isolated Ground
**Emergency

See page G26 for Engraved Metal Wallplates.

All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Midway

Midway Size Nylon Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.
1-GANG **1-Blank Box Mount**	IVORY BLACK GRAY RED WHITE BROWN ALMOND	PJ13-I PJ13-E PJ13-GY PJ13-R PJ13-W PJ13 PJ13-A	—— —— —— —— —— —— ——
2-GANG **2-Blank Box Mount**	IVORY BLACK GRAY WHITE BROWN	PJ23-I PJ23-E PJ23-GY PJ23-W PJ23	—— —— —— —— ——
1-GANG **1-Telephone .406" dia. Hole, Box Mount**	IVORY BLACK GRAY WHITE BROWN ALMOND	PJ11-I PJ11-E PJ11-GY PJ11-W PJ11 PJ11-A	—— —— —— —— —— ——
2-GANG **1-Toggle, 1-Duplex**	IVORY BLACK GRAY RED WHITE BROWN ALMOND	PJ18-I PJ18-E PJ18-GY PJ18-R PJ18-W PJ18 PJ18-A	—— —— —— —— —— —— ——
2-GANG **1-Toggle 1-Decora**	IVORY WHITE BROWN ALMOND	PJ126-I PJ126-W PJ126 PJ126-A	—— —— —— ——
3-GANG **2-Toggle 1-Decora**	IVORY WHITE BROWN ALMOND	PJ226-I PJ226-W PJ226 PJ226-A	—— —— —— ——
2-GANG **1-Decora 1-Duplex**	IVORY WHITE	PJ826-I PJ826-W	SPJ826-I SPJ826-W

*Midway Size Nylon Wallplates — **Power Receptacle***

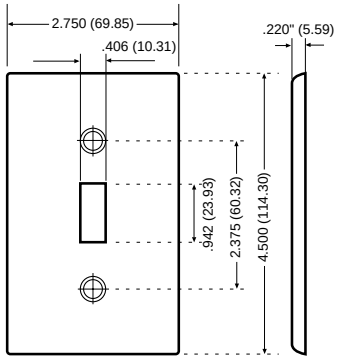
1-GANG **2.465" dia. Hole, Power Receptacle** **30 & 50 Amp**	IVORY WHITE BLACK	80532-I 80532-W 80532-E	—— —— ——

See page G26 for Engraved Metal Wallplates.
All devices are UL Listed and CSA Certified.

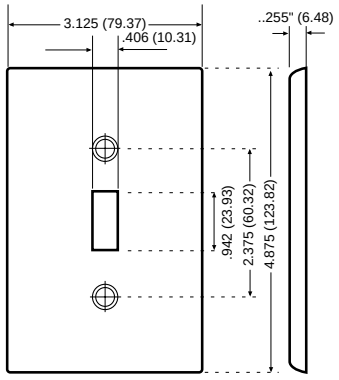
Midway Wallplates

All Leviton Midway wallplates can be mounted onto larger volume outlet boxes and/orused to hide wall irregularities. All 1-Gang Midway wallplates are 4.875" H x 3.125" W. Midway wallplates are a full 0.375" higher and wider than standard wallplates.

Standard Size



Midway Size



For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A, and Decora Home Controls, Section B.

Features and Benefits of *All* Leviton Plastic Wallplates

- Molded of urea or phenolic
- Photoelectrically color-matched to Leviton devices
- Designed for high dielectric strength and arc resistance
- Meet or surpass UL 514 testing requirements
- Resistant to fading, discoloration, grease, oils, organic solvents and moisture scratches
- Includes metal mounting screws that match plate color

Advantages of *All* Leviton Satin-Finish Metal Wallplates

- Round on edges to prevent injury and wall damage
- Resistant to corrosive effects of sunlight and moisture
- Deluxe stainless steel is non-magnetic Type 302, .032" thick
- Standard Stainless Steel is Type 430, .032" thick
- Brass is 70/30 alloy 260, .042" thick
- Aluminum is 3004 alloy, .040" thick
- Includes metal mounting screws that match plate color

Standard Size

Toggle Switch

DESCRIPTION		RESI RESIDENTIAL GRADE			COMMERCIAL SPECIFICATION GRADE		
		COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG	1-Toggle	IVORY	86001	P1-I	CHROME	1901	C1
		GRAY	87001	P1-GY	ALUM	83001	A1
		WHITE	88001	P1-W	BRASS	81001	B1
		BROWN	85001	P1	POLISHED BRASS	81001-PB	——
		ALMOND	82001	P1-A	430 S/S	84001	S1
					302 S/S	84001-40	SN-1
2-GANG	2-Toggles	IVORY	86009	P2-I	CHROME	1909	——
		GRAY	87009	P2-GY	ALUM	83009	A2
		WHITE	88009	P2-W	BRASS	81009	B2
		BROWN	85009	P2	POLISHED BRASS	81009-PB	——
		ALMOND	82009	P2-A	430 S/S	84009	S2
					302 S/S	84009-40	S2-N
3-GANG	3-Toggles	IVORY	86011	P3-I	CHROME	*	——
		GRAY	87011	P3-GY	ALUM	83011	A3
		WHITE	88011	P3-W	BRASS	81011	B3
		BROWN	85011	P3	POLISHED BRASS	81011-PB	——
		ALMOND	82011	P3-A	430 S/S	84011	S3
					302 S/S	84011-40	S3-N

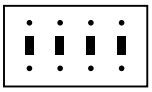
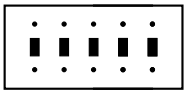
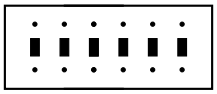
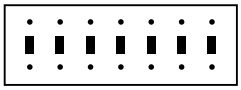
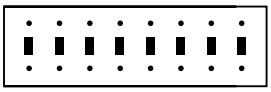
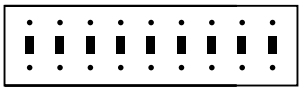
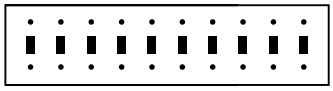
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

Standard Size

Toggle Switch

RESI RESIDENTIAL GRADE

COMMERCIAL SPECIFICATION GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **4-GANG 4-Toggles**	IVORY	86012	P4-I	CHROME	*	——
	GRAY	87012	P4-GY	ALUM	83012	A4
	WHITE	88012	P4-W	BRASS	81012	B4
	BROWN	85012	P4	POLISHED BRASS	81012-PB	——
	ALMOND	82012	P4-A	430 S/S	84012	S4
				302 S/S	84012-40	S4-N
 **5-GANG 5-Toggles**	IVORY	86023	P5-1	CHROME	*	——
	WHITE	88023	P5-W	ALUM	*	A5
	BROWN	85023	P5	BRASS	81023	B5
	ALMOND	82023	P5-A	POLISHED BRASS	81023-PB	——
				430 S/S	*	S5
				302 S/S	84023-40	S5-N
 **6-GANG 6-Toggles**	IVORY	86036	P6-I	CHROME	*	——
	WHITE	88036	P6-W	ALUM	*	A6
	BROWN	85036	P6	BRASS	81036	B6
	ALMOND	82036	P6-A	430 S/S	*	S6
				302 S/S	84036-40	S6-N
 **7-GANG 7-Toggles**	IVORY	S601-I†	S601-I	CHROME	*	——
	WHITE	S601-W†	S601-W	BRASS	*	B601
				430 S/S	*	——
				302 S/S	84070-40	S601-N
 **8-GANG 8-Toggles**	IVORY	S602-I†	S602-I	CHROME	*	——
	WHITE	S602-W†	S602-W	BRASS	*	B602
				430 S/S	*	——
				302 S/S	84048-40	S602-N
 **9-GANG 9-Toggles**	IVORY	S603-I†	S603-I	CHROME	*	——
	WHITE	S603-W†	S603-W	BRASS	*	B603
				430 S/S	*	——
				302 S/S	84049-40	S603-N
 **10-GANG 10-Toggles**	IVORY	S604-I†	S604-I	CHROME	*	——
	WHITE	S604-W†	S604-W	BRASS	*	B604
				302 S/S	84050-40	S604-N

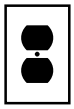
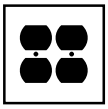
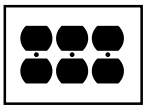
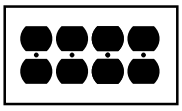
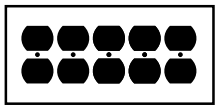
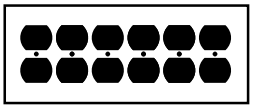
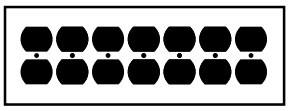
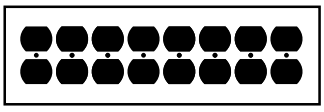
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
†Painted metal wallplate.
All devices are UL Listed and CSA Certified.

Standard Size

Duplex Receptacle

RESI RESIDENTIAL GRADE

COMMERCIAL SPECIFICATION GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
	IVORY	86003	P8-I	CHROME	1903	C8
	GRAY	87003	P8-GY	ALUM	83003	A8
	WHITE	88003	P8-W	BRASS	81003	B8
	BROWN	85003	P8	POLISHED BRASS	81003-PB	——
	ALMOND	82003	P8-A	430 S/S	84003	S8
1-GANG 1-Duplex				302 S/S	84003-40	S8-N
	IVORY	86016	P82-I	CHROME	*	C82
	GRAY	87016	——	ALUM	83016	A82
	WHITE	88016	P82-W	BRASS	81016	B82
	BROWN	85016	P82	POLISHED BRASS	81016-PB	——
	ALMOND	82016	P82-A	430 S/S	84016	S82
2-GANG 2-Duplex				302 S/S	84016-40	S82-N
	IVORY	86030	P83-I	CHROME	*	——
	GRAY	87030	——	ALUM	*	——
	WHITE	88030	P83-W	BRASS	*	——
	BROWN	85030	P83	430 S/S	*	S83
				302 S/S	84030-40	S83-N
3-GANG 3-Duplex						
	IVORY	86041	P84-I	CHROME	*	——
	WHITE	88041	P84-W	ALUM	*	——
	BROWN	85041	P84	BRASS	*	——
				430 S/S	84041	S84
				302 S/S	*	S84-N
4-GANG 4-Duplex						
	——	——	——	CHROME	*	——
				BRASS	*	B85
				302 S/S	84055-40	S85-N
5-GANG 5-Duplex						
	——	——	——	CHROME	*	——
				BRASS	*	B86
				302 S/S	84056-40	S86-N
6-GANG 6-Duplex						
	——	——	——	CHROME	*	——
				BRASS	*	B608
				430 S/S	*	S608
				302 S/S	*	——
7-GANG 7-Duplex						
	——	——	——	CHROME	*	——
				BRASS	*	B6082
				430 S/S	*	S6082
				302 S/S	*	——
8-GANG 8-Duplex						

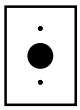
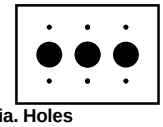
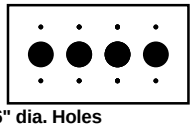
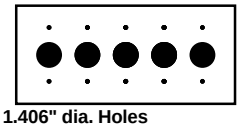
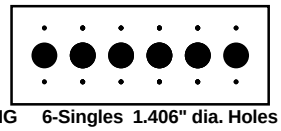
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

Standard Size

Single Receptacle, 15 and 20 AMP
Straight Blade and 15 AMP Locking

RESI RESIDENTIAL GRADE

COMMERCIAL SPECIFICATION GRADE

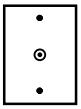
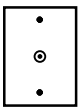
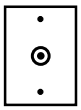
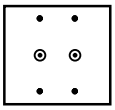
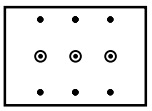
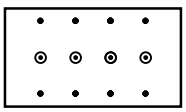
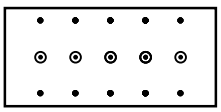
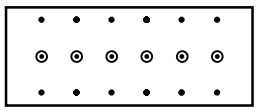
DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **1-GANG** **1-Single 1.406" dia. Hole**	IVORY GRAY WHITE BROWN ALMOND	86004 87004 88004 85004 82004	P7-I P7-GY P7-W P7 P7-A	CHROME ALUM BRASS 430 S/S 302 S/S	* 83004 81004 84004 84004-40	—— A7 B7 S7 S7-N
2-GANG **2-Singles 1.406" dia. Holes**	IVORY WHITE BROWN	86052 88052 85052	P72-I P72-W P72	CHROME ALUM BRASS 430 S/S 302 S/S	* * * * 84052-40	—— —— —— S72 S72-N
 **3-GANG** **3-Singles 1.406" dia. Holes**	——	——	——	BRASS 430 S/S 302 S/S	* * S73-N	—— S73 S73-N
 **4-GANG** **4-Singles 1.406" dia. Holes**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— S74 S74-N
 **5-GANG** **5-Singles 1.406" dia. Holes**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— S75 S75-N
 **6-GANG** **6-Singles 1.406" dia. Holes**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— S76 S76-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

Standard Size

Telephone or Cable Outlet — ***Box Mount***

RESIDENTIAL GRADE | COMMERCIAL SPECIFICATION GRADE

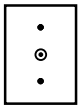
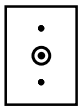
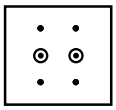
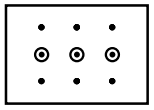
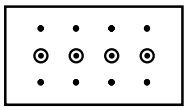
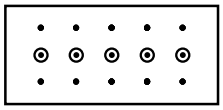
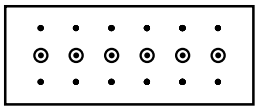
DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **1-GANG Phone/Cable .312" dia. Hole, Box Mount**	——	——	——	ALUM BRASS 430 S/S 302 S/S	83013 81013 84013 84013-40	A738 B738 S738 S738-N
 **1-GANG Phone/Cable .406" dia. Hole, Box Mount**	IVORY WHITE BROWN ALMOND	86013 88013 85013 82013	P11-I P11-W P11 P11-A	ALUM BRASS 430 S/S 302 S/S	* * * 84061-40	——— ——— ——— S11-N
 **1-GANG Phone/Cable .625" dia. Hole, Box Mount**	IVORY WHITE BROWN	86017 88017 85017	P737-I P737-W P737	ALUM BRASS 430 S/S 302 S/S	* 81017 * 84017-40	A737 B737 S737 S737-N
 **2-GANG Phone/Cable .406" dia. Holes, Box Mount**	IVORY WHITE BROWN	86062 88062 85062	P21-I P21-W P21	BRASS 430 S/S 302 S/S	* * 84062-40	——— ——— S21-N
 **3-GANG Phone/Cable .406" dia. Holes, Box Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	——— ——— S31-N
 **4-GANG Phone/Cable .406" dia. Holes, Box Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	——— ——— S41-N
 **5-GANG Phone/Cable .406" dia. Holes, Box Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	——— ——— S51-N
 **6-GANG Phone/Cable .406" dia. Holes, Box Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	——— ——— S61-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

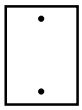
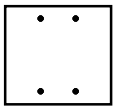
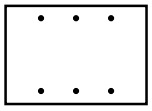
Standard Size

Telephone or Cable Outlet — ***Strap Mount***

RESI RESIDENTIAL GRADE | COMMERCIAL SPECIFICATION GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **1-GANG Phone/Cable .406" dia. Hole, Strap Mount with knockout to enlarge hole to .625"**	IVORY GRAY WHITE BROWN	86018 87018 88018 85018	P12-I P12-GY P12-W P12	ALUM BRASS 430 S/S 302 S/S	* * * 84018-40	—— —— S12 S12-N
 **1-GANG Phone/Cable .625" dia. Hole, Strap Mount**	IVORY WHITE BROWN	86037 88037 85037	P730-I P730-W P730	BRASS 430 S/S 302 S/S	* * 84037-40	—— —— S730-N
 **2-GANG Phone/Cable .406" dia. Holes, Strap Mount**	IVORY	P22-I†	P22-I	BRASS 430 S/S 302 S/S	* * *	—— —— S22-N
 **3-GANG Phone/Cable .406" dia. Holes, Strap Mount**	IVORY	P32-I†	P32-I	BRASS 430 S/S 302 S/S	* * *	—— —— S32-N
 **4-GANG Phone/Cable .406" dia. Holes, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— S42-N
 **5-GANG Phone/Cable .406" dia. Holes, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— S52-N
 **6-GANG Phone/Cable .406" dia. Holes, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— S62-N

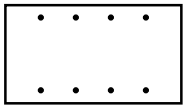
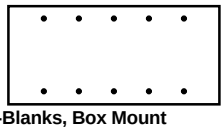
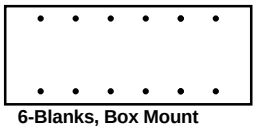
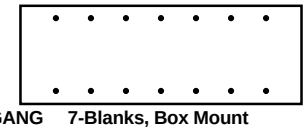
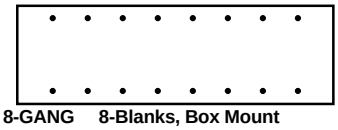
Blank Plate — ***Box Mount***

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **1-GANG 1-Blank, Box Mount**	IVORY GRAY WHITE BROWN ALMOND	86014 87014 88014 85014 82014	P13-I P13-GY P13-W P13 P13-A	CHROME ALUM BRASS 430 S/S 302 S/S	* 83014 81014 84014 84014-40	—— A13 B13 S13 S13-N
 **2-GANG 2-Blanks, Box Mount**	IVORY GRAY WHITE BROWN ALMOND	86025 87025 88025 85025 82025	P23-I P23-GY P23-W P23 P23-A	ALUM BRASS 430 S/S 302 S/S	* 81025 84025 84025-40	—— B23 S23 S23-N
 **3-GANG 3-Blanks, Box Mount**	IVORY WHITE BROWN	86033 88033 85033	P33-I P33-W P33	ALUM BRASS 430 S/S 302 S/S	* * * 84033-40	—— —— —— S33-N

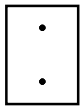
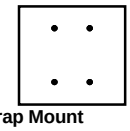
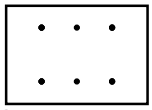
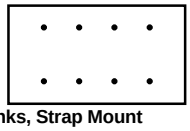
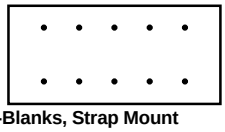
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
†Painted metal wallplate.
All devices are UL Listed and CSA Certified.

Standard Size

Blank Plate — ***Box Mount***

DESCRIPTION	RESIDENTIAL GRADE COLOR	RESIDENTIAL GRADE CAT. NO.	RESIDENTIAL GRADE IND. NO.	COMMERCIAL SPECIFICATION GRADE METAL	COMMERCIAL SPECIFICATION GRADE CAT. NO.	COMMERCIAL SPECIFICATION GRADE IND. NO.
 **4-GANG** **4-Blanks, Box Mount**	IVORY WHITE BROWN	86064 88064 85064	P43-I P43-W P43	ALUM BRASS 430 S/S 302 S/S	* * 84064 84064-40	—— —— S43 S43-N
 **5-GANG** **5-Blanks, Box Mount**	——	——	——	BRASS 302 S/S	* 84065-40	—— S53-N
 **6-GANG** **6-Blanks, Box Mount**	——	——	——	BRASS 302 S/S	* 84066-40	—— S63-N
 **7-GANG** **7-Blanks, Box Mount**	——	——	——	BRASS 302 S/S	* 84067-40	—— S6013-N
 **8-GANG** **8-Blanks, Box Mount**	——	——	——	BRASS 302 S/S	* 84068-40	—— S6023-N

Blank Plate — ***Strap Mount***

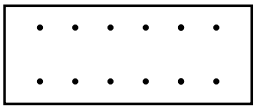
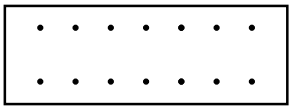
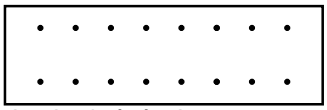
DESCRIPTION	RESIDENTIAL GRADE COLOR	RESIDENTIAL GRADE CAT. NO.	RESIDENTIAL GRADE IND. NO.	COMMERCIAL SPECIFICATION GRADE METAL	COMMERCIAL SPECIFICATION GRADE CAT. NO.	COMMERCIAL SPECIFICATION GRADE IND. NO.
 **1-GANG** **1-Blank, Strap Mount**	IVORY WHITE BROWN	86019 88019 85019	P14-I P14-W P14	ALUM BRASS 430 S/S 302 S/S	* * 84019 84019-40	—— —— S14 S14-N
 **2-GANG** **2-Blanks, Strap Mount**	IVORY WHITE BROWN	86034 88034 85034	P24-I P24-W P24	ALUM BRASS 430 S/S 302 S/S	* * * 84034-40	—— —— —— S24-N
 **3-GANG** **3-Blanks, Strap Mount**	IVORY WHITE BROWN	86035 88035 85035	P34-I P34-W P34	BRASS 430 S/S 302 S/S	* * 84035-40	—— —— S34-N
 **4-GANG** **4-Blanks, Strap Mount**	IVORY WHITE BROWN	86057 88057 85057	P44-I P44-W P44	BRASS 430 S/S 302 S/S	* * 84057-40	—— —— S44-N
 **5-GANG** **5-Blanks, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * S54-N	—— —— S54-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

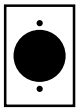
Standard Size

RESI RESIDENTIAL GRADE — COMMERCIAL SPECIFICATION GRADE

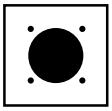
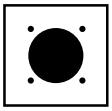
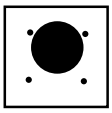
Blank Plate — ***Strap Mount***

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **6-GANG 6-Blanks, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— S64-N
 **7-GANG 7-Blanks, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— S6014-N
 **8-GANG 8-Blanks, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— S6024-N

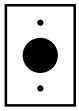
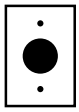
Power Outlet Receptacle — ***One Gang***

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG Power Outlet 2.15" dia. Hole Midway Use with 5206, 5207, 5371, 5372, 5373, 5374 	IVORY BLACK WHITE	80528-I 80528-BLK 80528-W	P724-I P724-BK	ALUM STEEL, BRASS FIN. STEEL, ALUM FIN. 430 S/S	83028 4928 4927 84028	A724 B724 S724-GY S724

Power Outlet Receptacle — ***Two Gang***

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
2-GANG Power Outlet 2.15" dia. Hole Midway Use with 5206, 5207, 5371, 5372, 5373, 5374 	IVORY BLACK WHITE	80526-I 80526-BLK 80526-W	PJ703-I PJ703-BK PJ703-W	BRASS ALUM STEEL, ALUM FIN. 430 S/S	* 83026 4934 84026	B703 A703 S703-GY S703
2-GANG Power Outlet 2.465" dia. Hole For use with 278 & 279 	IVORY BLACK WHITE ALMOND	80530-I 80530-BLK 80530-W 80530-A		STEEL, ALUM FIN. 430 S/S 302 S/S	S701-GY * S701-40	S701-GY S701
2-GANG Power Outlet 2.15" dia. Hole Offset 	——	——	——	430 S/S	84022	S705

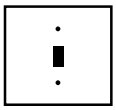
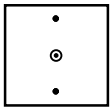
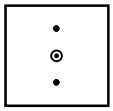
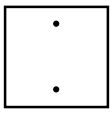
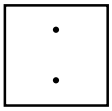
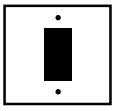
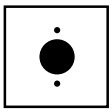
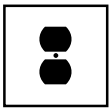
Locking Receptacle — ***One Gang***

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG 20A & 30A Locking .60" dia. Hole 	——	——	——	BRASS 430 S/S 302 S/S	* * 84020-40	—— —— S720-N
1-GANG for Corbin-type Lock Switch 0.880" dia. Hole. Includes Tamper-Resistant Screws and Screwdriver 	——	——	——	302 S/S	80471-40	——

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

Standard Size

Two Gang with Centered Opening

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **2-GANG 1-Toggle, Centered Opening**	——	——	——	BRASS 430 S/S 302 S/S	81040 —— 84040-40	—— —— S740-N
 **2-GANG 1-Phone/Cable .406" Hole Centered, Box Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **2-GANG 1-Phone/Cable .406" Hole Centered, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **2-GANG Blank, Centered Box Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **2-GANG Blank, Centered Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **2-GANG 1-Decora, Centered Opening**	——	——	——	BRASS 430 S/S 302 S/S	* * S746-N	—— —— S746-N
 **2-GANG 1-Single Outlet 1.406" dia. Hole**	——	——	——	BRASS 430 S/S 302 S/S	* * 84092-40	—— —— S747-N
 **2-GANG 1-Duplex, Centered Opening**	——	——	——	302 S/S	84039-40	S748-N

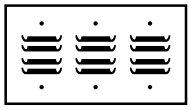
Louvre Plates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG CENTER 1-Louvre Plate, Horizontal Box Mount	IVORY BLACK GRAY RED WHITE BROWN ALMOND	86079† * * * 88079† * *	P760-I —— —— —— P760-W —— ——	BRASS 430 S/S 302 S/S	81079 * 84079-40	B760 —— S760-N
1-GANG 1-Louvre Plate, Strap Mount	IVORY BLACK GRAY RED WHITE BROWN ALMOND	86080† * * * 88080† * *	P771-I —— —— * P771-W —— P771-A	BRASS 430 S/S 302 S/S	81080 * 84080-40	B771 —— S711-N

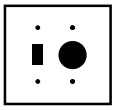
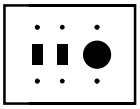
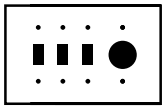
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery. †Painted metal wallplate.
All devices are UL Listed and CSA Certified.

Standard Size

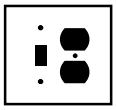
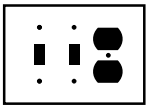
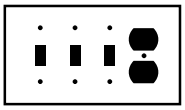
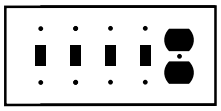
Louvre Plates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
2-GANG **2-Louvre Plate, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * 84081-40	—— —— S772-N
 **3-GANG** **3-Louvre Plate, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— ——

Toggle Switch and Single Receptacle

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **2-GANG** **1-Toggle 1-Single 1.406" dia. Hole**	IVORY WHITE BROWN	86007 88007 85007	P17-I P17-W P17	ALUM BRASS 430 S/S 302 S/S	* * 84007 84007-40	—— —— S17 S17-N
 **3-GANG** **2-Toggle 1-Single 1.406" dia. Hole**	——	——	——	ALUM BRASS 430 S/S 302 S/S	* * * 84088-40	—— —— —— S27-N
 **4-GANG** **3-Toggles 1-Single 1.406" dia. Hole**	——	——	——	ALUM BRASS 430 S/S 302 S/S	* * * 84042-40	—— —— —— S37-N

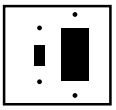
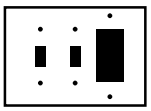
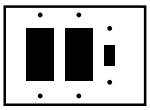
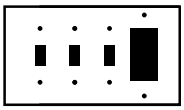
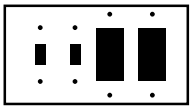
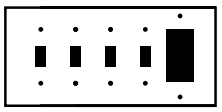
Toggle Switch and Duplex Receptacle

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **2-GANG** **1-Toggle 1-Duplex**	IVORY GRAY BROWN WHITE ALMOND	86005 87005 85005 88005 82005	P18-I P18-GY P18 P18-W P18-A	ALUM BRASS 430 S/S 302 S/S	83005 81005 84005 84005-40	A18 B18 S18 S18-N
 **3-GANG** **2-Toggles 1-Duplex**	IVORY GRAY BROWN WHITE ALMOND	86021 87021 85021 88021 82021	P28-I P28-GY P28 P28-W P28-A	ALUM BRASS 430 S/S 302 S/S	* 81021 * 84021-40	—— B28 —— S28-N
 **4-GANG** **3-Toggles 1-Duplex**	IVORY WHITE BROWN ALMOND	P38-I P38-W P38 P38-A	P38-I P38-W1 P38 P38-A	ALUM BRASS 430 S/S 302 S/S	* * 84043 *	—— —— S38 ——
 **5-GANG** **4-Toggles 1-Duplex**	IVORY WHITE	P48-I P48-W	P48-I P48-W	BRASS 430 S/S 302 S/S	* * S48-N	—— —— S48-N

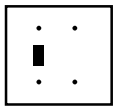
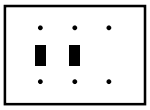
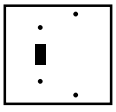
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

Standard Size

Toggle Switch and Decora/GFCI

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **2-GANG 1-Toggle 1-Decora/GFCI**	IVORY BLACK GRAY WHITE BROWN ALMOND	80405-I 80405-E 80405-GY 80405-W 80405 80405-A	P126-I P126-BK P126-GRY P126-W P126 P126-A	BRASS 430 S/S 302 S/S	* S126 *	—— S126 ——
 **3-GANG 2-Toggles 1-Decora/GFCI**	IVORY BLACK WHITE BROWN ALMOND	80421-I 80421-E 80421-W 80421 80421-A	P226-I P226-BK P226-W P226 P226-A	BRASS 430 S/S 302 S/S	* * 84421-40	—— —— S226-N
 **3-GANG 2-Decora/GFCI 1-Toggle**	IVORY GRAY WHITE BROWN ALMOND	80431-I 80431-GY 80431-W 80431 80431-A	P1262-I P1262-GRY P1262-W P1262 P1262-A	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **4-GANG 3-Toggles 1-Decora/GFCI**	IVORY WHITE BROWN ALMOND	P326-I P326-W P326 P326-A	P326-I P326-W P326 P326-A	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **4-GANG 2-Toggles 2-Decora/GFCI**	IVORY WHITE	P2262-I† P2262-W†	P2262-I P2262-W	BRASS 430 S/S 302 S/S	* * *	—— * ——
 **5-GANG 4-Toggles 1-Decora/GFCI**	——	——	——	BRASS 430 S/S 302 S/S	* * S426-N	—— —— S426-N

*Toggle Switch and Blank — **Box Mount and Strap Mount***

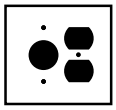
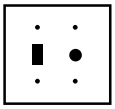
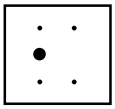
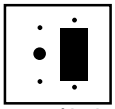
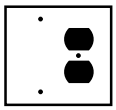
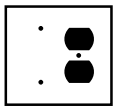
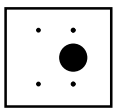
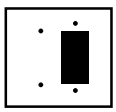
DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **2-GANG 1-Toggle 1-Blank, Strap Mount**	——	——	——	ALUM BRASS 430 S/S 302 S/S	* * * 84077-40	—— —— —— S114-N
 **3-GANG 2-Toggles 1-Blank, Strap Mount**	——	——	——	BRASS 430 S/S 302 S/S	* * S214-N	—— —— S214-N
 **2-GANG 1-Toggle 1-Blank, Box Mount**	IVORY WHITE GRAY BROWN	86006 88006 87006 85006	P113-I P113-W P113-GY P113	BRASS 430 S/S 302 S/S	* * 84006-40	—— —— S113-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
†Painted metal wallplate.
All devices are UL Listed and CSA Certified.

Standard Size

Standard Combination — ***Two Gang***

RESI RESIDENTIAL GRADE | COMMERCIAL SPECIFICATION GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **2-GANG 1-Single 1.406" dia. hole 1-Duplex**	IVORY WHITE	86046† 88046†	P78-I P78-W	ALUM BRASS 430 S/S 302 S/S	* * * 84046-40	—— —— —— S78-N
2-GANG 1-Duplex 1-Decora/GFCI	IVORY WHITE BROWN ALMOND	80455-I 80455-W 80455 80455-A	P826-I P826-W P826	ALUM BRASS 430 S/S 302 S/S	* * * 84455-40	—— —— —— S826-N
 **2-GANG 1-Toggle 1-Phone/Cable .406" dia. hole, Strap Mount**	IVORY WHITE	86077 88077	P112-I P112-W	BRASS 430 S/S 302 S/S	* * S112-N	—— —— S112-N
2-GANG 1-Phone/Cable .406" dia. hole, Strap Mount 1-Duplex	IVORY WHITE	86078 88078	P128-I P128-W	BRASS 430 S/S 302 S/S	* * 84078-40	—— —— S128-N
 **2-GANG 1-Phone/Cable .406" dia. hole 1-Blank, Strap Mount**	—— ——	—— ——	—— ——	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **2-GANG 1-Phone/Cable .406" dia. hole, Strap Mount 1-Decora/GFCI**	IVORY WHITE	80479-I 80479-W	P1226-I P1226-W	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **2-GANG 1-Blank, Box Mount 1-Duplex**	IVORY WHITE BROWN	86008 88008 85008	P138-I P138-W P138	BRASS 430 S/S 302 S/S	* * 84008-40	—— —— S138-N
 **2-GANG 1-Blank, Strap Mount 1-Duplex**	IVORY WHITE	86087† 88087†	P148-I P148-W	BRASS 430 S/S 302 S/S	* * 84087-40	—— —— S148-N
 **2-GANG 1-Blank, Strap Mount 1-Single 1.406"dia. Hole**	IVORY WHITE	86085† 88085†	P147-I P147-W	ALUM BRASS 430 S/S 302 S/S	* * * 84085-40	—— —— —— S147-N
 **2-GANG 1-Blank, Strap Mount 1-Decora**	IVORY WHITE	P1426-I† P1426-W†	P1426-I P1426-W	BRASS 430 S/S 302 S/S	* * S1426-N	—— —— S1426-N

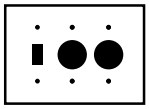
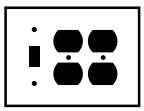
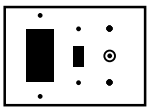
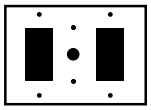
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
†Painted Metal Wallplates
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

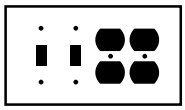
Standard Size

Standard Combination — ***Three Gang***

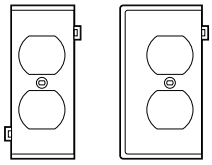
RESI RESIDENTIAL GRADE | COMMERCIAL SPECIFICATION GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **3-GANG 1-Toggle 2-Singles 1.406"dia. Holes**	——	——	——	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **3-GANG 1-Toggle 2-Duplex**	IVORY WHITE BROWN	86047 88047 85047	P182-I P182-W P182	BRASS 430 S/S 302 S/S	* * 84047-40	—— —— S182-N
 **3-GANG 1-Decora 1-Toggle 1-Phone/Cable .406"dia. Hole**	IVORY	80442-I	P739-I	BRASS 430 S/S 302 S/S	* * *	—— —— ——
 **3-GANG 2-Decora 1-Phone/Cable .406"dia. Hole**	IVORY WHITE	80443-I 80443-W	P740-I P740-W	BRASS 430 S/S 302 S/S	* * *	—— —— ——

Standard Combination — ***Four Gang***

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **4-GANG 2-Toggles 2-Duplex**	——	——	——	ALUM BRASS 430 S/S 302 S/S	* 81045 * 84045-40	—— B282 —— S282-N

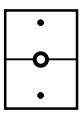
*Sectional Wallplates for Multi-Gang Installations** — ***Thermoplastic Construction***



Duplex Receptacle

DESCRIPTION	COLOR	CENTER PANELS	END PANELS
Duplex Receptacle	WHITE IVORY RED	PSC 8-W PSC 8-I PSC8-R	PSE 8-W PSE 8-I PSE8-R
Toggle Switch	WHITE IVORY RED	PSC 1-W PSC 1-I PSC1-R	PSE 1-W PSE 1-I PSE1-R
Single Receptacle 1.406" dia. hole	WHITE IVORY RED	PSC 7-W PSC 7-I PSC7-R	PSE 7-W PSE 7-I PSE7-R
Blank, Strap-Mount	WHITE IVORY	PSC 14 PSC 14-I	PSE 14-W PSE 14-I
Decora	WHITE IVORY RED	PSC 26-W PSC 26-I PSC26-R	PSE 26-W PSE 26-I PSE26-R

Horizontal Split Plate — ***For Terminated Cable***

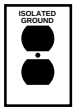
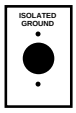
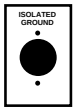
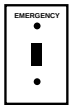
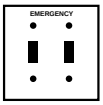
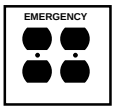
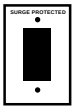
DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
 **Horizontal Split Plate for Terminated Cable 1-Gang .625" dia. Hole w/Grommet .406" inner dia.**	IVORY WHITE	N751-I N751-W	N751-I N751-W	BRASS 430 S/S 302 S/S	* * S751-N	—— —— S751-N

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

*Outer dimensions of wallplates created from two or more sectional panels will be the same as standard multi-gang plates.
*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

Standard Size

Engraved Wallplates

DESCRIPTION		METAL	CAT. NO.	IND. NO.
1-GANG 1-Duplex Engraved "ISOLATED GROUND"		ALUM BRASS 430 S/S 302 S/S	* * * 84003-IG	—— —— —— S8-IG
1-GANG 1-Single 1.406" Hole Engraved "ISOLATED GROUND"		ALUM BRASS 430 S/S 302 S/S	* * * *	—— —— —— ——
1-GANG 1-Single Engraved "ISOLATED GROUND" 1.60"dia. Hole For use with 20A & 30A single locking receptacles		ALUM BRASS 430 S/S 302 S/S	* * * *	—— —— ——
1-GANG 1-Toggle Engraved "EMERGENCY"		302 S/S	84001-E40	SIE-N
2-GANG 2-Toggles Engraved "EMERGENCY"		ALUM BRASS 430 S/S 302 S/S	* * * *	—— —— —— ——
1-GANG 1-Duplex Engraved "EMERGENCY"		ALUM BRASS 430 S/S 302 S/S	* * * 84003-E40	—— —— —— S8E-N
2-GANG 2-Duplex Engraved "EMERGENCY"		ALUM BRASS 430 S/S 302 S/S	* * * 84016-E40	—— —— —— S82E-N
1-GANG 1-Decora Engraved "SURGE PROTECTED"		430 S/S 302 S/S	* *	—— ——

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

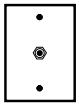
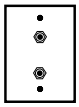
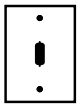
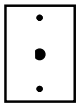
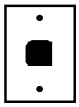
For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

Voice/Data/CATV Wallplates

These sturdy, high-impact wallplates for the 46000 series voice/data devices are available for single-gang applications with standard or Decora-compatible styling.

Standard Size

*Voice/Data/CATV Wallplates**

DESCRIPTION		COLOR (Nylon)	METAL	IND. NO.
1-GANG **Type "F" Connector**		IVORY WHITE		80781-I 80781-W
1-GANG **Duplex** **Type "F" Connector**		IVORY WHITE		80782-I 80782-W
1-GANG **DB9 Data Connector** **DB15 Data Connector** **DB25 Data Connector**			302 S/S 302 S/S 302 S/S	84441 84442 84443
1-GANG **BNC/TNC "D" Connector** **BNC Twinax "D" Connector**			302 S/S 302 S/S	84444 84445
1-GANG **Token Ring** **IBM Data Connector**			302 S/S	84446

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

For more information regarding Voice/Data/CATV Wallplates, refer to Communication Premise Wiring Products, Section S.

Larger Size Plastic Wallplates

All Leviton Larger-size wallplates are a full 0.25 inches deep to insure a clean fit, despite protruding devices, in accordance with the latest National Electrical Code. Each is individually packed with extra-long, color-matched mounting screws.

Larger Size

Midway Size Wallplates

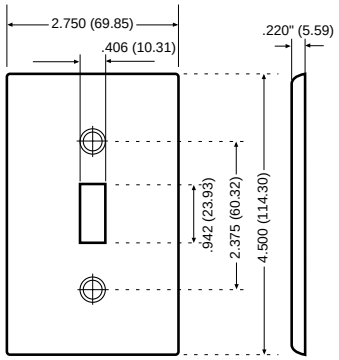
DESCRIPTION	COLOR	CAT. NO.	IND. NO.
1-GANG 1-Toggle	IVORY WHITE BROWN ALMOND	80501-I 80501-W 80501 80501-A	SPJ1-I SPJ1-W SPJ1 SPJ1-A
2-GANG 2-Toggle	IVORY WHITE BROWN ALMOND	80509-I 80509-W 80509 80509-A	SPJ2-I SPJ2-W SPJ2 SPJ2-A
3-GANG 3-Toggle	IVORY WHITE BROWN ALMOND	80511-I 80511-W 80511 80511-A	SPJ3-I SPJ3-W SPJ3 SPJ3-A
4-GANG 4-Toggle	IVORY WHITE	80512-I 80512-W	SPJ4-I SPJ4-W
1-GANG 1-Duplex	IVORY WHITE BROWN ALMOND	80503-I 80503-W 80503 80503-A	SPJ8-I SPJ8-W SPJ8 SPJ8-A
1-GANG 1-Phone/Cable .312" dia Hole, Box Mount	IVORY WHITE BROWN ALMOND	80513-I 80513-W 80513 80513-A	SPJ738-I SPJ738-W SPJ738 SPJ738-A

All devices are UL Listed and CSA Certified.

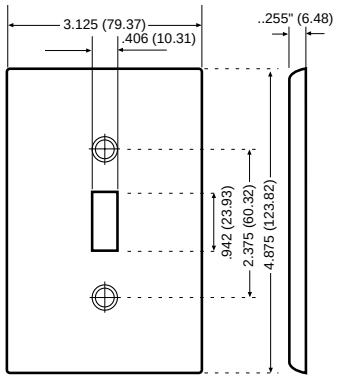
Midway Wallplates

All Leviton Midway wallplates can be mounted onto larger volume outlet boxes and/orused to hide wall irregularities. All 1-Gang Midway wallplates are 4.875" H x 3.125" W. Midway wallplates are a full 0.375" higher and wider than standard wallplates.

Standard Size



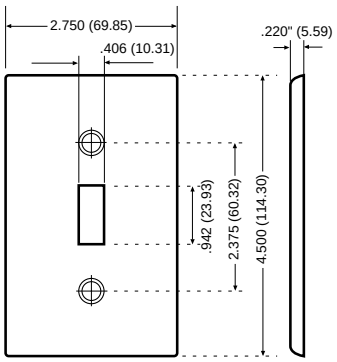
Midway Size



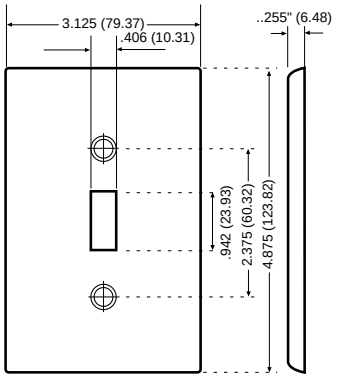
Midway Wallplates

All Leviton Midway wallplates can be mounted onto larger volume outlet boxes and/orused to hide wall irregularities. All 1-Gang Midway wallplates are 4.875" H x 3.125" W. Midway wallplates are a full 0.375" higher and wider than standard wallplates.

Standard Size

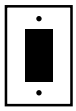
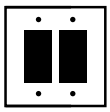
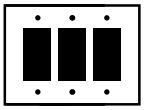
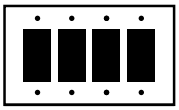
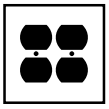
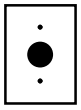
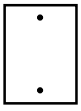
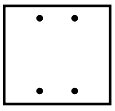
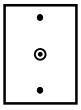
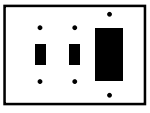


Midway Size



Larger Size

Midway Size Wallplates

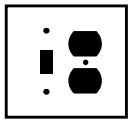
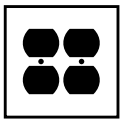
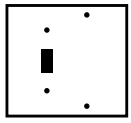
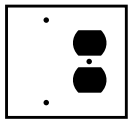
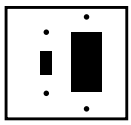
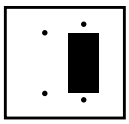
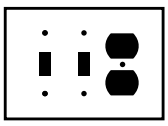
DESCRIPTION		COLOR	CAT. NO.	IND. NO.
1-GANG 1-Decora		IVORY GRAY WHITE BROWN ALMOND	80601-I 80601-GY 80601-W 80601 80601-A	SPJ26-I SPJ26-GY SPJ26-W SPJ26 SPJ26-A
2-GANG 2-Decora		IVORY GRAY WHITE BROWN ALMOND	80609-I 80609-GY 80609-W 80609 80609-A	SPJ262-I SPJ262-GY SPJ262-W SPJ262 SPJ262-A
3-GANG 3-Decora		IVORY WHITE ALMOND	80611-I 80611-W 80611-A	SPJ263-I SPJ263-W SPJ263-A
4-GANG 4-Decora		IVORY WHITE ALMOND	80612-I 80612-W 80612-A	SPJ264-I SPJ264-W SPJ264-A
2-GANG 2-Duplex		IVORY WHITE BROWN ALMOND	80516-I 80516-W 80516 80516-A	SPJ82-I SPJ82-W SPJ82 SPJ82-A
1-GANG 1-Receptacle 1.406" dia. Hole		IVORY WHITE BROWN	80504-I 80504-W 80504	SPJ7-I SPJ7-W SPJ7
1-GANG 1-Blank Box Mount		IVORY WHITE BROWN ALMOND	80514-I 80514-W 80514 80514-A	SPJ13-I SPJ13-W SPJ13 SPJ13-A
2-GANG 2-Blank Box Mount		IVORY WHITE BROWN ALMOND	80525-I 80525-W 80525 80525-A	SPJ23-I SPJ23-W SPJ23 SPJ23-A
1-GANG 1-Telephone		IVORY WHITE BROWN GRAY BLACK	— — — — —	SPJ11-I SPJ11-W SPJ11 SPJ11-GY SPJ11-E
3-GANG 2-Toggle 1-Decora		IVORY WHITE BROWN ALMOND	— — — —	SPJ226-I SPJ226-W SPJ226 SPJ226-A

**Emergency
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

Larger Size

Midway Size Wallplates

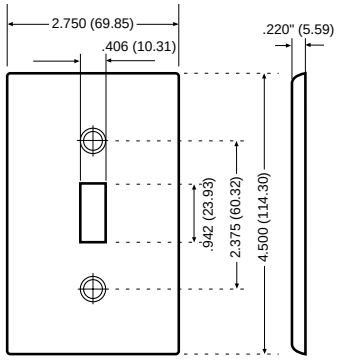
DESCRIPTION		COLOR	CAT. NO.	IND. NO.
2-GANG 1-Toggle 1-Duplex		IVORY WHITE BROWN ALMOND	80505-I 80505-W 80505 80505-A	SPJ18-I SPJ18-W SPJ18 SPJ18-A
2-GANG 2-Duplex		IVORY WHITE BROWN ALMOND	80516-I 80516-W 80516 80516-A	SPJ28-I SPJ28-W SPJ28 SPJ28-A
2-GANG 1-Toggle 1-Blank, Box Mount		IVORY WHITE BROWN	80506-I 80506-W 80506	SPJ113-I SPJ113-W SPJ113
2-GANG 1-Duplex 1-Blank, Box Mount		IVORY WHITE BROWN	80508-I 80508-W 80508	SPJ138-I SPJ138-W SPJ138
2-GANG 1-Toggle 1-Decora		IVORY WHITE BROWN ALMOND	80605-I 80605-W 80605 80605-A	SPJ126-I SPJ126-W SPJ126 SPJ126-A
2-GANG 1-Decora 1-Blank, Strap Mount		IVORY WHITE BROWN ALMOND	80608-I 80608-W 80608 80608-A	SPJ1326-I SPJ1326-W SPJ1326 SPJ1326-A
3-GANG 2-Toggle 1-Duplex		IVORY WHITE BROWN	80521-I 80521-W 80521	SPJ28-I SPJ28-W SPJ28

All devices are UL Listed and CSA Certified.

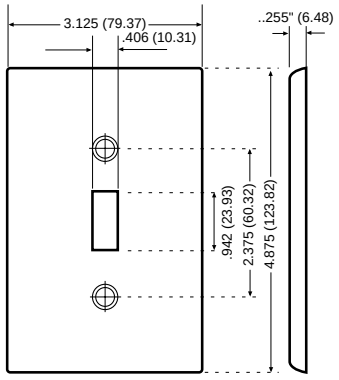
Midway Wallplates

All Leviton Midway wallplates can be mounted onto larger volume outlet boxes and/orused to hide wall irregularities. All 1-Gang Midway wallplates are 4.875" H x 3.125" W. Midway wallplates are a full 0.375" higher and wider than standard wallplates.

Standard Size

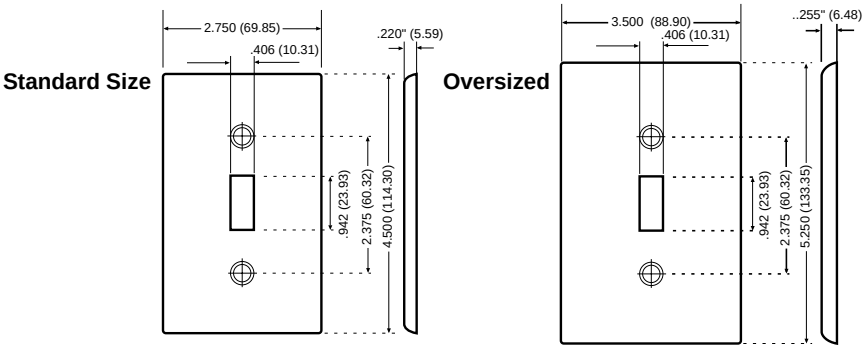


Midway Size



For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

Larger Size
Plastic and Metal Wallplates



Leviton's Oversized wallplates are 0.75 inches higher and wider than standard wallplates. They are used to conceal greater wall irregularities than those hidden by the extra coverage provided by Midway wallplates.

All 1-Gang Oversized wallplates are 5.25" H x 3.5" W. Add 1.8125" for each additional gang.

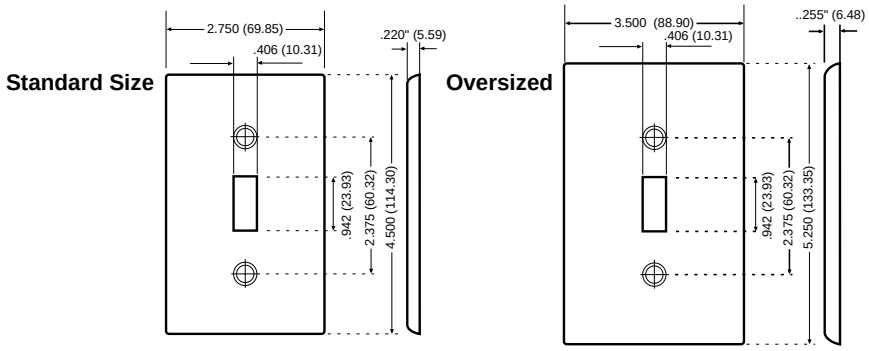
Larger Size

Oversized Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG 1-Toggle	IVORY WHITE BROWN	86101 88101 85101	PO1-I PO1-W PO1	430 S/S 302 S/S	84101 84101-40	SO1 SO1-N
2-GANG 2-Toggles	IVORY WHITE BROWN	86109 88109 85109	PO2-I PO2-W PO2	430 S/S 302 S/S	* 84109-40	—— SO2-N
3-GANG 3-Toggles	IVORY WHITE BROWN	86111 88111 85111	PO3-I PO3-W PO3	430 S/S 302 S/S	* 84111-40	—— S03-N
4-GANG 4-Toggles	——	——	——	430 S/S 302 S/S	* 84112-40	—— SO4-N
1-GANG 1-Duplex	IVORY WHITE BROWN	86103 88103 85103	PO8-I PO8-W PO8	430 S/S 302 S/S	84103 84103-40	SO8 SO8-N
2-GANG 2-Duplex	IVORY WHITE BROWN	86116 88116 85116	PO82-I PO82-W PO82	430 S/S 302 S/S	84116 84116-40	SO82 SO82-N
3-GANG 3-Duplex	——	——	——	430 S/S 302 S/S	* 84130-40	—— SO83-N
4-GANG 4-Duplex	——	——	——	430 S/S 302 S/S	* *	—— ——
1-GANG 1-Single 1.406" dia. Hole	——	——	——	430 S/S 302 S/S	* 84104-40	—— SO7-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

Larger Size
Plastic and Metal Wallplates



Leviton's Oversized wallplates are 0.75 inches higher and wider than standard wallplates. They are used to conceal greater wall irregularities than those hidden by the extra coverage provided by Midway wallplates.

All 1-Gang Oversized wallplates are 5.25" H x 3.5" W. Add 1.8125" for each additional gang.

Larger Size

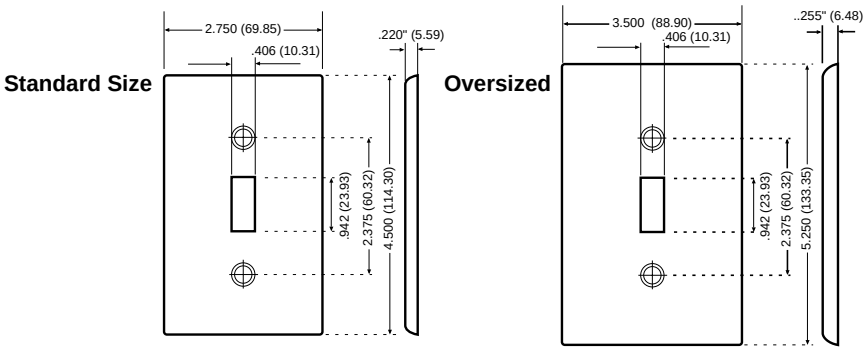
Oversized Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG 1-Decora	IVORY WHITE ALMOND	86601 88601 82601	PO26-I PO26-W PO26-A	430 S/S 302 S/S	* SO26	—— SO26
2-GANG 2-Decora	IVORY WHITE ALMOND	86602 88602 82602	PO262-I PO262-W PO262-A	430 S/S 302 S/S	* SO262	—— SO262
3-GANG 3-Decora	——	——	——	430 S/S 302 S/S	* SO263	—— SO263
1-GANG Phone/Cable .406" dia. Hole Strap Mount	IVORY WHITE	86113 88113	PO12 PO12	430 S/S 302 S/S	* *	—— ——
1-GANG Phone/Cable .625" dia. Hole Strap Mount	——	——	——	430 S/S 302 S/S	84137 84137-40	SO730 SO730-N
1-GANG 1-Blank, Box Mount	IVORY WHITE BROWN	86114 88114 85114	PO13 PO13 PO13	430 S/S 302 S/S	84114 84114-40	SO13 SO13-N
2-GANG 2-Blanks, Box Mount	——	——	——	430 S/S 302 S/S	* 84125-40	—— SO23-N
3-GANG 3-Blanks Box Mount	——	——	——	430 S/S 302 S/S	* 84133-40	—— SO33-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

Larger Size
Plastic and Metal Wallplates



Leviton's Oversized wallplates are 0.75 inches higher and wider than standard wallplates. They are used to conceal greater wall irregularities than those hidden by the extra coverage provided by Midway wallplates.

All 1-Gang Oversized wallplates are 5.25" H x 3.5" W. Add 1.8125" for each additional gang.

Larger Size

Oversized Wallplates

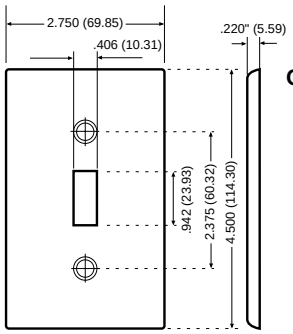
DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
4-GANG **4-Blanks** **Box Mount**	——	——	——	430 S/S 302 S/S	* *	—— ——
1-GANG **1-Blank, Strap Mount**	——	——	——	430 S/S 302 S/S	* 84119-40	—— SO14-N
2-GANG **2-Blanks, Strap Mount**	——	——	——	430 S/S 302 S/S	* 84134-40	—— SO24-N
3-GANG **3-Blanks** **Strap Mount**	——	——	——	430 S/S 302 S/S	* *	—— ——
2-GANG **1-Toggle 1-Duplex**	IVORY WHITE BROWN	86105 88105 85105	PO18-I PO18-W PO18	430 S/S 302 S/S	* 84105-40	—— SO18-N
2-GANG **1-Toggle 1-Decora**	IVORY WHITE ALMOND	86605 88605 82605	PO126-I PO126-W PO126-A	430 S/S 302 S/S	* *	—— ——
2-GANG **1-Blank 1-Toggle** **Box Mount**	IVORY WHITE BROWN	86106 88106 85106	PO113-I PO113-W PO113	430 S/S 302 S/S	* *	—— ——
2-GANG **1-Single 1.406"** **dia. Hole 1-Duplex**	——	——	——	430 S/S 302 S/S	* 84146-40	—— SO78-N

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

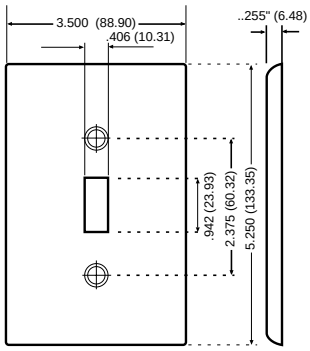
For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

Larger Size
Plastic and Metal Wallplates

Standard Size



Oversized



Leviton's Oversized wallplates are 0.75 inches higher and wider than standard wallplates. They are used to conceal greater wall irregularities than those hidden by the extra coverage provided by Midway wallplates.

All 1-Gang Oversized wallplates are 5.25" H x 3.5" W. Add 1.8125" for each additional gang.

Larger Size

Oversized Wallplates

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
2-GANG **1-Blank, Box Mount** **1-Duplex**	IVORY BROWN	86108 85108	PO138-I PO138	430 S/S 302 S/S	* *	—— ——
2-GANG **1-Blank, Strap Mount** **1-Decora**	——	——	——	430 S/S 302 S/S	* *	—— ——
2-GANG **1-Toggle** **1-Single 1.406" dia. Hole**	——	——	——	430 S/S 302 S/S	* *	—— ——
3-GANG **2-Toggles** **1-Duplex**	——	——	——	430 S/S 302 S/S	* 84121-40	—— SO28-N
3-GANG **1-Toggle** **2-Duplex**	——	——	——	430 S/S 302 S/S	* 84147-40	—— SO182-N
4-GANG **3-Toggles** **1-Duplex**	——	——	——	430 S/S 302 S/S	* *	—— ——

*Consult the end of this Wallplates section for ordering details: allow 3–4 weeks for delivery.
All devices are UL Listed and CSA Certified.

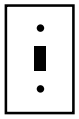
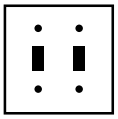
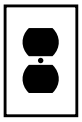
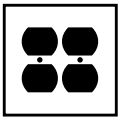
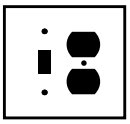
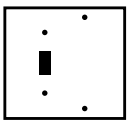
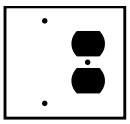
For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

Larger Size Plastic Wallplates

Leviton's Extra Deep wallplates are standard height and width (4.5" H x 2.75" W). They provide a full 0.25" depth, as do Leviton's Midway and Oversized wallplates, to assure a flush fit to the wall surface in installations where particular devices protrude too far.

Larger Size

Extra Deep Wallplates

DESCRIPTION		COLOR	CAT. NO.	IND. NO.
1-GANG 1-Toggle		IVORY WHITE BROWN	86301 88301 85301	PD1-I PD1-W PD1
2-GANG 2-Toggles		IVORY WHITE BROWN	86309 88309 85309	PD2-I PD2-W PD2
1-GANG **1-Duplex**		IVORY WHITE BROWN	86303 88303 85303	PD8-I PD8-W PD8
2-GANG **2-Duplex**		IVORY WHITE	86316 88316	PD82-I PD82-W
2-GANG **1-Toggle 1-Duplex**		IVORY WHITE BROWN	86305 88305 85305	PD18-I PD18-W PD18
2-GANG **1-Toggle 1-Blank** **Box Mount**		IVORY WHITE	86306 88306	PD113-I PD113-W
2-GANG **1-Blank, Box Mount** **1-Duplex**		IVORY WHITE BROWN	86308 88308 85308	PD138-I PD138-W PD138

All devices are UL Listed and CSA Certified.

Weather-Resistant Covers

Features and Benefits

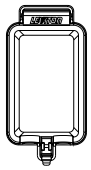
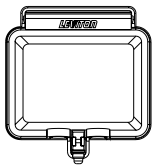
Plastic

- Impact resistant thermoplastic construction
- Pre-installed gasket for easy, reliable installation
- Tongue and groove plate-to-cover construction
- Offset device opening (horizontal only) for easier cord exit
- Thermoplastic inserts prevent insect and debris accumulation

Plastic and Metal

- Self-closing
- Vertical and horizontal mounting
- Die cast aluminum or impact-resistant thermoplastic covers and bases
- Weather-resistant gaskets
- Stainless steel springs
- Gray, white or clear finish

Raintight While-In-Use Covers

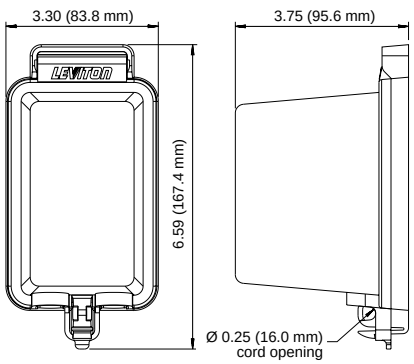
DESCRIPTION		MOUNTING	CAT. NO.
Duplex Receptacle, Gray, Standard		Vertical	5976-GY
Duplex Receptacle, Gray, Extra Deep		Vertical	5976-DGY
Duplex Receptacle, Clear, Standard		Vertical	5976-CL
Decora/GFCI, Gray, Standard		Vertical	5977-GY
Decora/ GFCI, Gray, Extra Deep		Vertical	5977-DGY
Decora/GFCI, Clear, Standard		Vertical	5977-CL
Decora/GFCI, Clear, Extra Deep		Vertical	5977-DCL
Single Receptacle, Gray, Standard		Vertical	5978-GY
Single Receptacle, Clear, Standard		Vertical	5978-CL
Single Receptacle, Clear, Extra Deep		Vertical	5978-DGY
Duplex Receptacle, Gray, Standard		Horizontal	5996-GY
Duplex Receptacle, Gray, Extra Deep		Horizontal	5996-DGY
Duplex Receptacle, Clear, Standard		Horizontal	5996-CL
Decora/GFCI, Gray, Standard		Horizontal	5997-GY
Decora/GFCI, Gray, Extra Deep		Horizontal	5997-DGY
Decora/GFCI, Clear, Standard		Horizontal	5997-CL
Decora/GFCI, Clear, Extra Deep		Horizontal	5997-DCL
Single Receptacle, Gray, Standard		Horizontal	5998-GY
Single Receptacle, Gray, Extra Deep		Horizontal	5998-DGY
Single Receptacle, Clear, Standard		Horizontal	5998-CL

SPECIFICATIONS & FEATURES

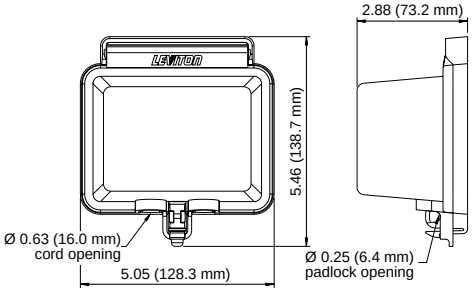
- Mounting Screws and rubber gasket included for fast, easy installation onto surface-mounted outdoor-type boxes or flush-mounted wall boxes
- Easy-grip self-closing covers with durable, noncorrosive stainless steel screws
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE

- Full compliance with UL, CSA and NEC Section 410-57 requirements for damp and wet locations with cover closed
- Raintight while-in-use covers are NEMA 3R rated for use with unattended plugs engaged in “live” receptacles in wet or damp locations



VERTICAL MOUNT, EXTRA DEEP
Cat. No. 5976-D



HORIZONTAL MOUNT, STANDARD
Cat. No. 5997

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Decora Devices, Section A.

Weather-Resistant Covers

Features and Benefits

- Glass-filled thermoplastic cover and plate for outstanding impact resistance and durability
- UL 94-VO Flammability Rating
- Superior IP 54 Suitability rating protects against dust particles and splashing water
- NEMA Type 3R enclosure rating ensures protection against rain, sleet and damage from external ice formation
- Dual gaskets, one under plate and one under lid, for weather-resistant fit
- Stainless steel hinge-pin, spring and mounting screws for excellent corrosion resistance
- Triple-combination screws accept Phillips, straight-blade or Robertson-head screwdrivers
- Oversized cover tab for easier opening with gloved hands
- Mounts to panel or FS/FD boxes
- UL Listed and CSA certified for wet locations with cover closed

Industrial Weather-Resistant Covers

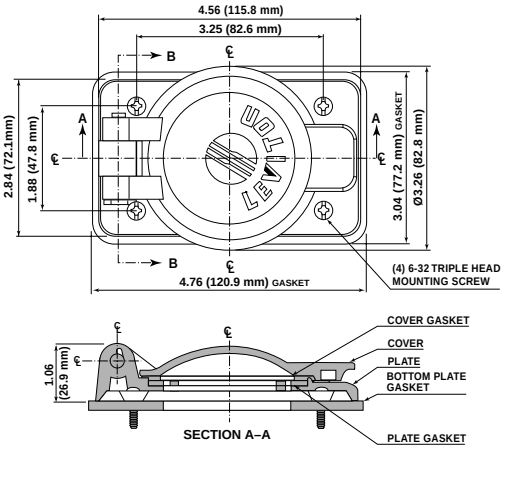
DESCRIPTION	COLOR	CAT. NO.
For use with 15-amp locking, 15-amp and 20-amp straight-blade flanged inlets and outlets	GRAY	WP1
For use with 20-amp and 30-amp 3-, 4-, and 5-wire locking flanged inlets and outlets; 30-amp and 50-amp 3-wire power receptacles	GRAY	WP2
For use with 20-amp and 30-amp single locking receptacles and FS/FD boxes	YELLOW	7420-CR

TESTING & CODE COMPLIANCE

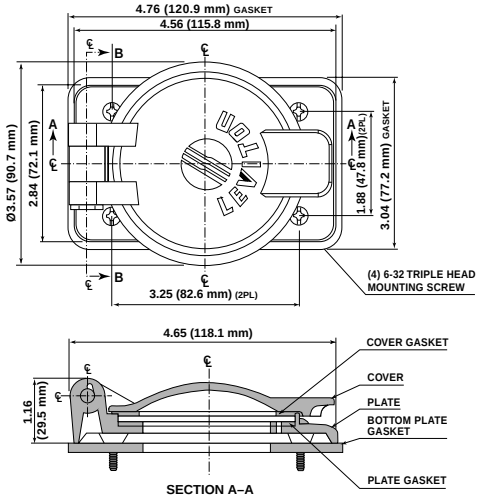
- UL Listed (File # E-13397)
- CSA Certified (File # LR-16347)
- NOM Certified (# 057)
- IP 54 Suitability rating (protected against dust and splashing water)
- NEMA Type 3R enclosure rating
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: VO Flammability Rating per UL 94
Operating Temperature: -40°C to 75°C



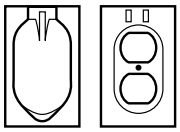
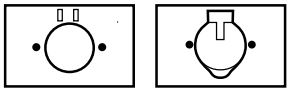
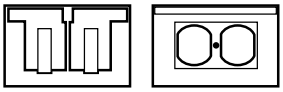
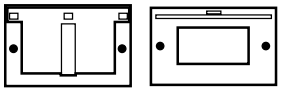
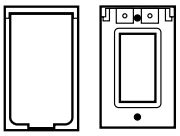
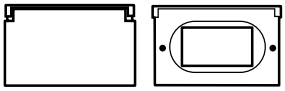
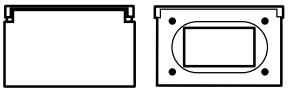
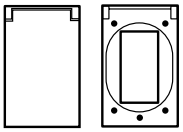
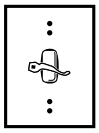
WATER RESISTANT COVER
Cat. Nos. WP1 and 7420-CR



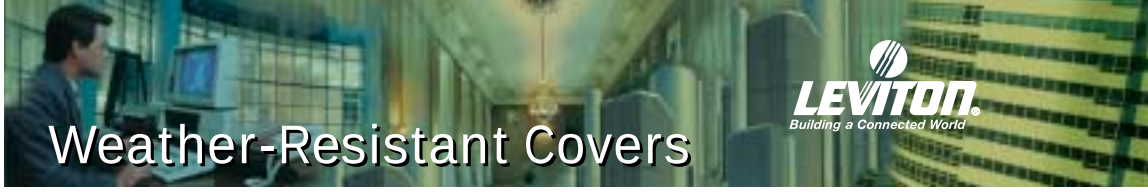
WATER RESISTANT COVER
Cat. No. WP2

Weather-Resistant Covers

Die-Cast Zinc Weather-Resistant Covers

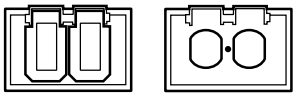
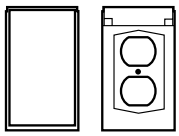
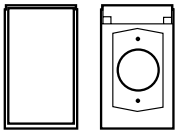
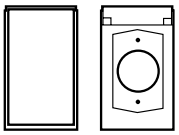
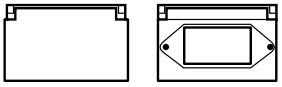
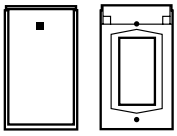
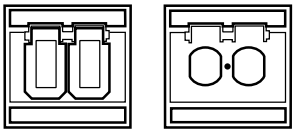
DESCRIPTION		MOUNTING	CAT. NO.
Duplex Receptacle 1-GANG		Vertical	4926
Single Receptacle 1-GANG Self-Closing Lid		Horizontal	4925-2
Duplex Receptacle or Combination Device 1-GANG Two Independent Self-Closing Lids★		Horizontal	4970
Decora/GFCI 1-GANG Self-Closing Lid		Horizontal	4990
Decora/GFCI 1-GANG Self-Closing Lid★		Vertical	4992
Decora/GFCI 1-GANG Self-Closing Lid		Horizontal	6196
Decora/GFCI 1-GANG Self-Closing Lid for mounting on FS type box		Horizontal	6196-FS
Decora/GFCI 1-GANG Self-Closing Lid for mounting on FS type box		Vertical	6196-VFS
Weatherproof Wallplate & Switch 15A 120V AC		Horizontal or Vertical	1432

All devices are UL Listed . Also CSA Certified except where indicated by★

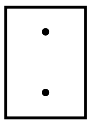
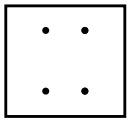


Weather-Resistant Covers

Thermoplastic Weather-Resistant Covers

DESCRIPTION		MOUNTING	CAT. NO.
Duplex Receptacle or Combination Device 1-GANG Two Independent Self-Closing Lids		Horizontal	4976-GY 4976-W
Duplex Receptacle or Combination Device 1-GANG Self-Closing Lid		Vertical	4978-GY 4978-W
Single Receptacle 1-GANG Self-Closing Lid		Vertical	4979-GY
Single 20A or 30A Locking Receptacle 1-GANG Self-Closing Lid		Vertical	4980-GY
Decora/GFCI 1-GANG Self-Closing Lid		Horizontal	4996-GY 4996-W
Decora/GFCI 1-GANG Self-Closing Lid		Vertical	4998-GY 4998-W
Oversized Duplex 1-GANG Two Independant Self-Closing Lids		Horizontal	4986-GY

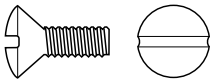
Blank Box Mounted Wallplates with Gasket

DESCRIPTION		MOUNTING	CAT. NO.
1-GANG Aluminum, Box Mount		N/A	83014-EXT
2-GANG Aluminum, Box Mount		N/A	83025-EXT

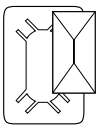
All devices are UL Listed and CSA Certified.

Wallplate Accessories

Wallplate Screws

DESCRIPTION	COLOR	CAT. NO.
 **OVAL HEAD MILLED SLOT** **5/16" long – 6-32 thread 100 per box**	IVORY GRAY WHITE BROWN ALMOND S/S	86400-PRT 87400-PRT 88400-PRT 85400-PRT 82400-PRT 84400-PRT
OVAL HEAD MILLED SLOT **1/2" long – 6-32 thread 100 per box**	IVORY BLACK GRAY WHITE BROWN S/S	86000-PRT 83000-PRT 87000-PRT 88000-PRT 85000-PRT 84000-PRT
OVAL HEAD MILLED SLOT **7/8" long – 6-32 thread 50 per box**	IVORY RED WHITE BROWN S/S	86500-PRT 89500-PRT 88500-PRT 85500-PRT 84500-PRT

Pilot Light Jewels

DESCRIPTION	COLOR	CAT. NO.
ROUND **Fits single receptacle hole** **1.375–1.406" dia.**	GREEN RED	405 GR 405 R
 **RECTANGULAR** **Fits toggle switch hole** **.406 x .942"**	GREEN RED	406 GR 406 R
LAMPHOLDER ASSEMBLY **for use with jewels or louvre plates – use with standard 2.5" box and 4 watt bulb**	(bulb included)	2152

Mounting Screws

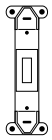
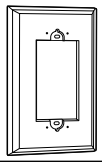
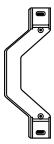
DESCRIPTION	COLOR	CAT. NO.
PHILLIPS/STANDARD **7/8" long – 6-32 thread 50 per bag**	S/S	84440

All devices are UL Listed and CSA Certified.

Tamper-Resistant Spanner Head Screws

DESCRIPTION	COLOR	CAT. NO.
SPANNER HEAD **1/2" long – 6-32 thread 100 per box**	S/S	84000 T
SCREWDRIVER **for Spanner head or** **Tamper-Resistant screws**	BLACK	84000 TSD

Plastic Wallplate Adapters

DESCRIPTION	COLOR	CAT. NO.
These adapters permit the use of rotary dimmers in multi-gang Decora installations or fill blank holes in multi-device Decora or toggle wallplates.		
DIMMER SHAFT **.406" dia. Hole**	IVORY BLACK GRAY BROWN WHITE ALMOND	80400-I 80400-E 80400-GY 80400 80400-W 80400-A
BLANK DECORA **No Hole**	IVORY BLACK GRAY BROWN WHITE ALMOND	80414-I 80414-E 80414-GY 80414 80414-W 80414-A
 **BLANK TOGGLE** **No Hole**	IVORY GRAY BROWN WHITE	80700-I 80700-GY 80700 80700-W
 **WALLBOX ADAPTER** **Extends shallow wallbox** **to fit GFCI/Decora devices**	IVORY BROWN WHITE	6197-I 6197 6197-W
SNAP IN GROMMET **reduces 1.406" to 1.00"** **for use with single** **receptacle wallplates**	BLACK	403-E
 **THERMOPLASTIC** **Yoke/Mounting Strap w/screws** Custom wallplate configurations 11, 23, 27 and 31 are supplied with strap kits. See page G42		404

Special Wallplates

The Order Form and instructions requesting custom wallplate configurations are found on the following pages. Custom wallplates are available in a variety of metals and can be requested from Leviton through special order, beginning on the next page.

All devices are UL Listed and CSA Certified.

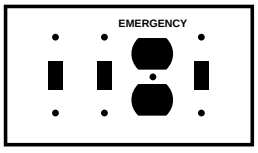
How to Order Custom Wallplates

General Information

Custom wallplates, up to twelve gangs in size, made of brass, stainless steel, painted steel, aluminum or chrome, can be special ordered from Leviton. Any combination of the configurations shown can be specified to meet your needs. In addition, standard and custom metal wallplates can be engraved, and standard nylon wallplates can be hot stamped, with the message of your choice. Follow the steps below to fill out the Custom Wallplate Order Form completely and accurately. The finished order form must include:

1. The wallplate catalog number
2. The type of wallplate material desired (from the Material Code Chart)
3. The quantity of wallplates desired
4. The wallplate configurations in proper order (from the Configuration Code Chart)
5. The wallplate color, selected from the Wallplate Color Code Chart
6. Engraved or hot stamped message, if desired, with message location and letter size
7. Engraved or hot stamped message filler color, selected from the Fill-In Color Chart

Photocopy the blank Custom Wallplate Order Form at the back of this section and refer to the completed sample Custom Wallplate Order Form shown when filling out your order. Your Leviton representative can provide you with additional forms if needed. The sample order grid below shows the custom wallplate pictured at right:



Sample Grid

CAT. NO. 90004 MATERIAL CODE S3 QTY. 1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
01	01	EMERGENCY 03	01								

COLOR CODE _____ ENGRAVED ✔ HOT STAMPED _____ LETTER SIZE 3/8"

FILLER CODE XR PRICE _____

How to Order Custom Wallplates

How to Fill Out the Custom Wallplate Order Form

STEP 1: DETERMINE THE WALLPLATE CATALOG NUMBER

The catalog number for a custom wallplate is determined as follows: a single-gang custom wallplate is Cat. No. 90001, a double-gang custom wallplate is Cat.No. 90002, a three-gang custom wallplate is Cat. No. 90003, and so on through the sequence to Cat. No. 90010 for the ten-gang custom wallplate. Enter the number in the space on the Order Form marked “CAT. NO.” If you are ordering a standard metal wallplate for custom engraving, use the 90000 series number. If you are ordering a standard nylon wallplate for custom hot stamping, enter that wallplate's catalog number in the space on the Order Form marked “CAT. NO.”

STEP 2: SELECT THE WALLPLATE MATERIAL

Choose the custom wallplate material desired from the Wallplate Material Chart below. Enter the Material Code for the material selected in the space marked “MATERIAL CODE” on the Order Form. When ordering Custom Hot Stamped wallplates, enter NYLON.

MATERIAL	MATERIAL CODE
Aluminum†	**AL**
Brass	**BR**
Non-Magnetic Stainless Steel-Type 302/304	**S3**
Oversize Non-Magnetic Stainless Steel-Type 302/304*	**S30**
Painted Steel	**S5**
Oversize Painted Steel*	**S50**
Chrome	**CRM**
Raw Steel	**RAW**

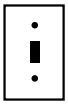
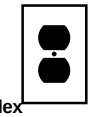
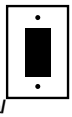
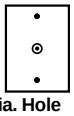
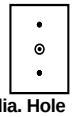
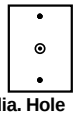
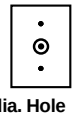
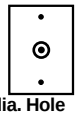
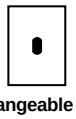
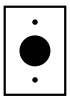
†6-Gang maximum size, standard size only
*4-Gang maximum size

STEP 3: DETERMINE THE QUANTITY OF THE WALLPLATE ORDER

Enter the quantity of wallplates needed in the space marked “QUANTITY” on the Order Form.

STEP 4: DETERMINE THE CUSTOM WALLPLATE CONFIGURATION

The Wallplate Configuration Chart below shows all the configurations that can be specified for Leviton custom metal wallplates. Each configuration has a specific Configuration Code number in the lower right-hand corner of its corresponding space on the chart. Enter this configuration code in the center of the corresponding square on the Order Form Grid to match its desired position on the finished custom wallplate. Refer to the Sample Order Form Grid for clarification on configurations and their placement, if necessary (page G44).

 **Toggle Switch** **01**	 **Duplex Receptacle** **03**	**Louvre Horizontal Mount** **05**	**Louvre Vertical Mount*** **07**	**Blank Box Mount** **09**	**Blank Strap Mount** **11**
 **Decora/ GFCI** **13**	**Single 1.406" dia. Receptacle** **15**	**1.60" dia. Hole** **17**	**2.15" dia. Hole**** **19**	**2.647" dia. Hole**** **21**	**.312" dia. Hole Strap Mount** **23**
 **.312" dia. Hole Box Mount** **25**	 **.406" dia. Hole Strap Mount** **27**	 **.406" dia. Hole Box Mount** **29**	 **.625" dia. Hole Strap Mount** **31**	 **.625" dia. Hole Box Mount** **33**	 **Interchangeable 1-Device Vertical** **35**
Interchangeable 1-Device Horizontal **37**	**Interchangeable 2-Device** **39**	**Interchangeable 3-Device** **41**	**2.460" dia. Hole 2-Gang Only**** **47**	**0.880" dia. Hole for Corbin-type Lock Switch**. Tamper-Resistant Screws and Screwdriver included w/Corbin configurations. Stainless Steel only. For 1-gang, order 84071-40.**  **49**	

Enter the code number for the configurations you select in the center box on each desired wallplate position on the Custom Wallplate Order Form.
*3-Gang minimum
**2-Gang minimum

How to Order Custom Wallplates

How to Fill Out the Custom Wallplate Order Form ***(continued)***

STEP 5: SELECT THE WALLPLATE COLOR

For painted metal, select one of the following colors and enter its color code in the space marked “COLOR CODE” on the order form:

COLOR	WALLPLATE COLOR CODE
Almond	**PA**
Black	**PE**
Brown	**PB**
Gray	**PG**
Ivory	**PI**
Orange	**PO**
Red	**PR**
White	**PW**

STEP 6: ENTER ENGRAVING INFORMATION

NOTE: WE CAN ENGRAVE NYLON AND PAINTED AND UNPAINTED METAL WALLPLATES. After completing steps 1-5:

6A) Type or clearly print the message(s) (i.e., TURN OFF) as you wish it to appear on the lines provided in the appropriate Grid box(es). **6B)** Select the size of the letters you desire for the wallplate message from the dimensions shown below and enter that size in the space marked “LETTER SIZE” on the Order Form. **6C)** Select the fill-in color for the message letter from the chart below and enter the code for the color chosen in the space marked “FILLER CODE.”

FILLER COLOR CODES **for Engraved Wallplates**

COLOR	CODE
Black	**XE**
White	**XW**
Red	**XR**
No Filler	**XX**

LETTER SIZE GAUGE **for Engraved Wallplates**

1/8"	3/16"	1/4"	5/16"	3/8"
E	E	E	E	E

STEP 7: ENTER HOT STAMPING INFORMATION

NOTE: ONLY STANDARD NYLON WALLPLATES CAN BE HOT STAMPED. After completing steps 1-5:

7A) Select the message(s) desired from the Message Library below. Enter the message on the lines provided in the appropriate Grid box(es) where they should appear. The message will be stamped in 3/16"-high text.

HOT STAMPING MESSAGE LIBRARY FOR CUSTOM NYLON WALLPLATES

1. SHOWER	**7. HEAT**	**13. ON**	**19. ISOLATED**	**25. EQUIP**
2. VANITY	**8. DATA**	**14. PROTECTED**	**20. GROUND**	**26. FLUORESCENT**
3. VOICE	**9. COMPUTER**	**15. OFF**	**21. CONDITIONED**	**27. OIL**
4. ONLY	**10. GFCI**	**16. OIL BURNER**	**22. CONDITIONED POWER**	**28. POWER**
5. ISOLATED GROUND	**11. SURGE**	**17. PC**	**23. CRITICAL**	**29. UPS**
6. EMERGENCY	**12. FAN**	**18. DEDICATED**	**24. ELEC.**	

7B) Select the fill-in color for the message letter from the chart below and enter the code for the color chosen in the space marked “FILLER CODE.”

COLOR	CODE
Black	**XE**
White	**XW**
Red	**XR**
No Filler	**XX**

To order nylon wallplates with custom hot stamped message, contact your Leviton salesman or customer service representative.

8) NOTE: Sequential engraving is available. Consult factory for ordering instructions.

How to Order Custom Wallplates

COMMERCIAL SPECIFICATION GRADE

LEVITON Building a Connected World

Custom Wallplate Order Form

Account No. _____ P.O. Box No. _____

BILL TO: **SHIP TO:**

CAT. NO._____ MATERIAL CODE_____ QTY._____

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COLOR CODE_____ ENGRAVED_____ HOT STAMPED_____ LETTER SIZE_____

FILLER CODE_____ PRICE_____

ENGRAVING INFORMATION (Please print per corresponding gang number.)

(1) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(2) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(3) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(4) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(5) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(6) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(7) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(8) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(9) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(10) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(11) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

(12) ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

DESCRIPTION
(Use this space to add additional information that may be helpful.)

TERMS

- Please take care to complete your order carefully. Custom wallplates cannot be returned
- Custom orders are shipped in three to four weeks
- All engraving shall be centered within its corresponding gang unless specifically instructed to span across multiple gangs
- All engravings on toggle configurations shall appear above the mounting screw holes unless specifically instructed otherwise
- All engravings on GFCI/Decora configurations shall appear below the mounting screw hole unless specifically instructed otherwise

“We use Leviton Straight Blade Plugs and Connectors throughout our building, from the roughest and most demanding manufacturing areas to our front offices. I know I can depend on Leviton devices in every application.”

Commercial Facility Manager

Straight Blade Plugs and Connectors

Industrial, Commercial Specification and Residential Grade

Leviton offers a complete line of 2-, 3-, and 4-wire straight blade plugs ands connectors that resist impact, corrosion and chemicals. The line includes: Industrial Specification Grade devices that stand up to the harshest environments; Hospital Grade devices that meet the highest standards required for dependable, long-term performance; Wetguard for water and moisture resistance; Dustguard to resist dust and dirt; Python, with an innovative interlocking design; rugged nylon flanged inlets and outlets; and integrated inlets and outlets with weather resistant covers.

INDUSTRIAL GRADE PLUGS & CONNECTORS

Overview ____ H1
15A 125V & 250V
- Lighted, Hospital Grade ____ H2
- Angle, Hospital Grade ____ H2
- Hospital Grade ____ H2
- Angle ____ H2
- Nylon Body ____ H2
- Flanged Inlets and Outlets ____ H2
- Wetguard ____ H4
- Dustguard ____ H4
- Python ____ H5
- Integrated Inlets and Outlets with Weather-Resistant Covers ____ H6

20A 125V & 250V
- Angle, Hospital Grade ____ H3
- Hospital Grade ____ H3
- Angle ____ H3
- Nylon Body ____ H3
- Flanged Inlets and Outlets ____ H3
- Wetguard ____ H4
- Dustguard ____ H4
- Python ____ H5
- Integrated Inlets and Outlets with Weather-Resistant Covers ____ H6
- Weather-Resistant Boots ____ H3

20 AMP Power Plugs ____ H7
30 AMP Nylon Angle Plugs ____ H7
50 AMP Nylon Angle Plugs ____ H8
60 AMP Nylon Angle Plugs ____ H9

COMMERCIAL SPECIFICATION GRADE PLUGS & CONNECTORS

Overview ____ H10
15A 125V & 250V
- PVC ____ H11
- Armored ____ H11
- Rubber-Back ____ H11

20A 125V & 250V
- PVC ____ H12
- Armored ____ H12
- Rubber-Back ____ H12

30 Amp and 50 Amp Dual Power Attachment Plugs ____ H13

RESIDENTIAL GRADE PLUGS & CONNECTORS

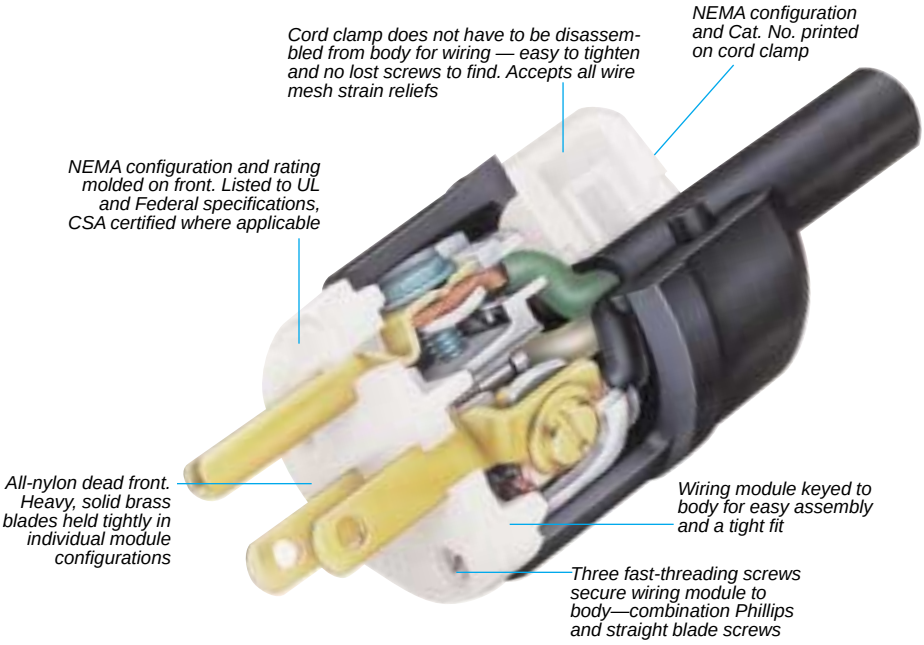
Parallel, Polarized and Non-Polarized ____ H14
Grounding ____ H15

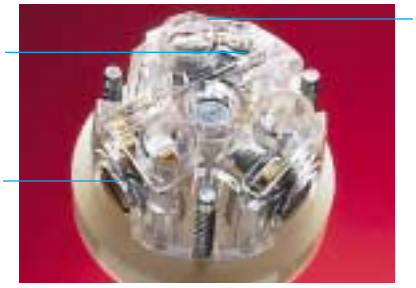
Straight Blade Plugs and Connectors

Leviton's 15 Amp and 20 Amp nylon plugs and connectors are superior in design detail and manufacture. They are made to resist impact, punishing application environments, chemicals and the elements, resulting in superior performance and long-lasting reliability.

Features and Benefits

- Cord clamp seats flush with body for all cables rated from 10-3 ST to 18-3 SVT (.245"–.700")
- Clamp prevents damage to jacket on any cable used within rated range
- Connector contacts are manufactured in solid one-piece brass for superior conductivity
- Triple-wipe, heavy-duty power contacts are set in deep pockets to help resist abuse
- Husk is constructed of ST801 Super Tough Nylon for superior impact resistance in rugged environments
- Beveled back edges prevent body from catching on corners and rough surfaces
- Complete-containment design insulates non-current carrying parts
- Fluted body design provides a sure grip





A Comprehensive Line of Straight Blade Plugs and Connectors

Hospital Grade

Superior design, heavy-duty, impact-resistant, all nylon construction for long-lasting performance and reliability in the demanding healthcare environment.

Cat. No. 8215-C

Angle Plugs & Connectors

For hospital and industry use where power cords must lay close to walls and floors; 8 plug positions.

Cat. No. 8215-CAT

Flanged Inlets & Outlets

Fit flush on equipment mounting panels and require only 2 mounting screws for easy panel assembly.

Cat. No. 5278-C

Wetguard®

Specifically developed for wet or damp locations, EPTR thermoplastic rubber body and rugged design resist water, acids, alkalies, grease, oils and solvents.

Cat. No. 14W48

Python

Hinged design provides speedy, simple wiring and installation, delivers top performance, stands up to rough-duty applications.

Cat. No. 5456-VY

Integrated Power Inlets and Outlets with Weather-Resistant Covers

Engineered to IP 64 and NEMA 3R protection ratings.

Cat. No. 5278-CWP

15 AMP 125V 2-Pole, 3-Wire Grounding

Hospital Grade

DESCRIPTION	CAT. NO. PLUG NEMA 5-15P	CAT. NO. CONNECTOR NEMA 5-15R
Hospital Grade, Black Body	8215-C	8219-C
Hospital Grade, Transparent Body	8215-C	8219-C
Hospital Grade, Lighted Transparent	8215-PLC	8219-PLC
Hospital Grade Lighted Transparent Plug and Connector with 25-ft Cord	HGPLC-25	HGPLC-25
Hospital Grade Angle, Transparent Body	8215-CAT	———

Industrial Grade

Black Nylon Body	5266-C	5269-C
High-Visibility Yellow Nylon Body	5266-CY	5269-CY
All-Black Nylon for Stage and Studio	5266-CB	5269-CB
Isolated Ground, Orange Body	5266-CO	5269-CO
Gray Nylon Body	5266-CG	5269-CG
Nylon Body, Lighted Transparent	5266-PLC	5269-PLC
Angle, Black Nylon Body	5266-CA	5269-CA
Black 2-Piece Nylon Shell	5266-N	5269-N
Flanged Inlet, White Nylon Body	5278-C	———
Flanged Outlet, White Nylon Body	———	5279-C

5266-C

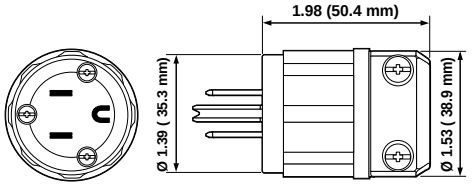
8215-CAT

15 AMP 250V 2-Pole, 3-Wire Grounding

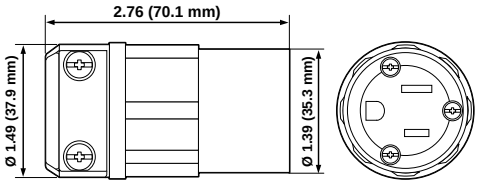
Industrial Grade

DESCRIPTION	CAT. NO. PLUG NEMA 6-15P	CAT. NO. CONNECTOR NEMA 6-15R
Black Nylon Body	5666-C	5669-C
High-Visibility Yellow Nylon Body	5666-CY	5669-CY
Angle, Black Nylon Body	5666-CA	———
Flanged Inlet, White Nylon Body	15678-C	———
Flanged Outlet, White Nylon Body	———	15679-C

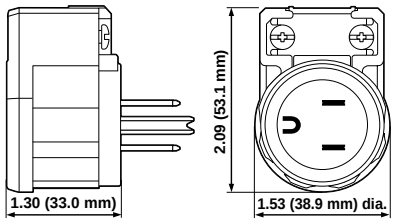
All devices are UL Listed and CSA Certified.



Cat. No. 5266-C



Cat. No. 5269-C



Cat. No. 8215-CAT

SPECIFICATIONS & FEATURES

Hospital Grade

- Unmatched quality and performance confirmed by rigorous UL 498 testing
- Clearly identified by green dot

Industrial Grade

- Rugged construction resists impact, sunlight, chemicals and rough use
- All contacts are solid one-piece brass for better conductivity
- Triple-wipe, heavy-duty power contacts set in deep pockets to resist damage
- Captive, color-coded brass #8 terminal screws
- Unique cord clamp accepts wide range of cable sizes, grips securely without tearing cord jackets: 10-3ST–18-3SVT (.245"–.700" OD)

TESTING & CODE COMPLIANCE

- Meet NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets UL Fed. Spec. requirements: Industrial Plugs & Connectors (File #13393); Hospital Grade (UL 498, File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

For more information regarding corrosion-resistant devices refer to Corrosion Resistant Devices, Section K.

Straight Blade Plugs and Connectors

5369-C

5466-C

20 AMP 125V 2-Pole, 3-Wire Grounding

Hospital Grade

DESCRIPTION	CAT. NO. PLUG NEMA 5-20P	CAT. NO. CONNECTOR NEMA 5-20R / CSA config. in Canada
Hospital Grade, Black Body	8315-C	8319-C
Hospital Grade, Transparent Body	8315-CT	8319-CT
Hospital Grade, Lighted Transparent	8315-PLC	8319-PLC
Hospital Grade Angle, Transparent Body	8315-CAT	———

Industrial Grade

Black Nylon Body	5366-C	5369-C
High-Visibility Yellow Nylon Body	5366-CY	5369-CY
Gray Nylon Body	5366-CG	5369-CG
Angle, Black Nylon Body	5366-CA	5369-CA
Flanged Inlet, White Nylon Body	15378-C	———
Flanged Outlet, White Nylon Body	———	15379-C

20 AMP 250V 2-Pole, 3-Wire Grounding

Hospital Grade

DESCRIPTION	CAT. NO. PLUG NEMA 6-20P	CAT. NO. CONNECTOR NEMA 6-20R / CSA config. in Canada
Hospital Grade Angle, Transparent Body	8415-CAT	———

Industrial Grade

Black Nylon Body	5466-C	5469-C
High-Visibility Yellow Nylon Body	5466-CY	5469-CY
Flanged Inlet, White Nylon Body	5478-C	———
Flanged Outlet, White Nylon Body	———	5479-C

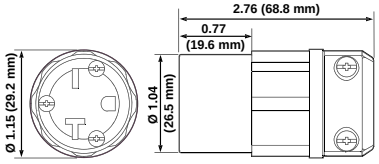
All devices are UL Listed and CSA Certified.

Weather-Resistant Boots

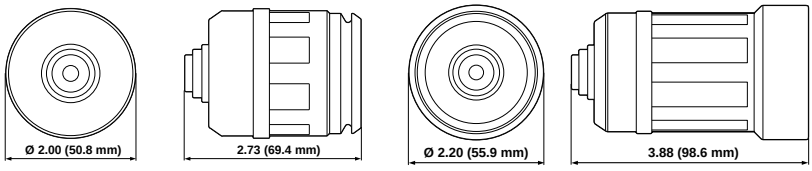
Our outstanding Industrial Grade boots feature a triple-seal design to protect straight blade and locking plugs and connectors against the harmful effects of dirt and moisture in harsh environments. Boots are available in black or high-visibility yellow. The fluted surface and grip-ring design provide a non-slip grip even in wet conditions.

DESCRIPTION	CAT. NO.
Weather-Resistant Straight Blade Plug Boot, Black Rubber. For 15A & 20A Straight Blade Industrial Nylon Plugs	6017
Weather-Resistant Straight Blade Plug Boot, High Visibility Yellow Rubber. For 15A & 20A Straight Blade Industrial Nylon Plugs	6017-Y
Weather-Resistant Straight Blade Connector Boot, Black Rubber. For 15A & 20A Straight Blade Industrial Nylon Connectors	6018
Weather-Resistant Straight Blade Connector Boot, High Visibility Yellow Rubber. For 15A & 20A Straight Blade Industrial Nylon Connectors	6018-Y

All devices are UL Listed and CSA Certified.



Cat. No. 5469-C



Cat. No. 6017 **Cat. No. 6018**

SPECIFICATIONS & FEATURES

Hospital Grade

- Unmatched quality and performance confirmed by rigorous UL 498 testing
- Clearly identified by green dot

Industrial Grade

- Rugged construction resists impact, sunlight, chemicals and rough use
- All connector contacts are solid one-piece brass for superior conductivity
- Triple-wipe, heavy-duty power contacts set in deep pockets to resist damage
- Captive, color-coded brass #8 terminal screws
- Unique cord clamp accepts wide range of cable sizes, grips securely without tearing cord jackets: 10-3ST–18-3SVT (.245"–.700")

TESTING & CODE COMPLIANCE

- Meet NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets Fed. Spec. requirements: Industrial Plugs & Connectors (File #13393); Hospital Grade (UL 498, File # E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

For more information regarding corrosion-resistant devices refer to Corrosion Resistant Devices, Section K.

Straight Blade Plugs and Connectors

Wetguard™ Devices Engineered to IP66 & IP67 Watertight Standards

Wetguard™ Straight Blade Plugs and Connectors

DESCRIPTION	CAT. NO. PLUG	CAT. NO. CONNECTOR
High-Visibility Yellow, 15A-125V 2-Pole, 3-Wire	14W47 NEMA 5-15P	15W47 NEMA 5-15R
Black, 15A-125V 2-Pole, 3-Wire	14W47-B NEMA 5-15P	15W47-B NEMA 5-15R
High-Visibility Yellow, 15A-250V 2-Pole, 3-Wire	14W49 NEMA 6-15P	15W49 NEMA 6-15R
High-Visibility Yellow, 20A-125V 2-Pole, 3-Wire	14W33 NEMA 5-20P	15W33 NEMA 5-20R; CSA config. in Canada
High-Visibility Yellow, 20A-250V 2-Pole, 3-Wire	14W48 NEMA 6-20P	15W48 NEMA 6-20R; CSA config. in Canada

Repacement Closure Cap

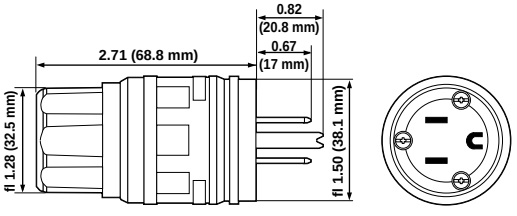
DESCRIPTION	CAT. NO.
Replacement Female Closure Cap for use with 15A & 20A 2-pole, 3-wire devices	50W50

Dustguard ™ Devices Engineered to IP44 Splashproof and Dust-Tight Standards

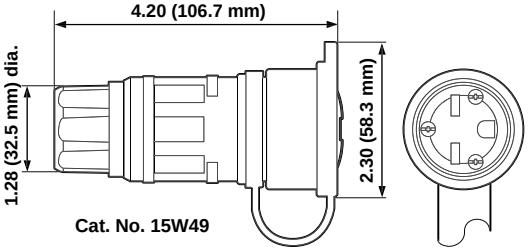
Dustguard™ Straight Blade Plugs and Connectors

DESCRIPTION	CAT. NO. PLUG	CAT. NO. CONNECTOR
High-Visibility Yellow, 15A-125V 2-Pole, 3-Wire	1447 NEMA 5-15P	1547 NEMA 5-15R
High-Visibility Yellow, 15A-250V 2-Pole, 3-Wire	1449 NEMA 6-15P	1549 NEMA 6-15R
High-Visibility Yellow, 20A-125V 2-Pole, 3-Wire	1433 NEMA 5-20P	1533 NEMA 5-20R; CSA config. in Canada
High-Visibility Yellow, 20A-250V 2-Pole, 3-Wire	1448 NEMA 6-20P	1548 NEMA 6-20R; CSA config. in Canada

All devices are UL Listed and CSA Certified.



Cat. No. 14W47



Cat. No. 15W49

For more information regarding corrosion-resistant devices refer to Corrosion Resistant Devices, Section K.

SPECIFICATIONS & FEATURES

Wetguard

- IEC IP66 and IP 67 Rated, in accordance with IEC 529 as evaluated by UL and CSA
- NEMA Type 4, 4X, 6 and 6P Ratings in accordance with UL 50 and CSA 94
- Outstanding resistance to wet and damp environments, extreme temperature variations, acids, alkalis, grease, oils and solvents
- Effective “tongue and groove” construction seals out water, moisture, dirt when plugs are mated with connectors
- Innovative strain-relief grips cables securely, keeps out water and moisture
- Cord clamp range: 18/3–10/3S0 (.375"–.655")
- Non-magnetic stainless steel fast-threading assembly screws won’t interfere with sensitive equipment
- Connector “hood” closure cap seals device when not in use

Dustguard

- IEC/IP44 Rated
- Developed to withstand dusty and dirty environments, cracking and fading, temperature extremes
- Rugged wiring modules have high performance 1-piece brass triple-wipe contacts, solid brass plug blades
- Self centering cord clamp accepts wide range of conductors, 18-3 SVT–12-3SO (.240"–.655")

TESTING & CODE COMPLIANCE

- Meet NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets Fed. Spec. requirements: Wetguard (File #13393), Dustguard (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

Straight Blade Plugs and Connectors

5456-VY

5459-VY

SPECIFICATIONS & FEATURES

Python

- Tough high-impact body
- Hinged design delivers fast, easy installation and assembly
- Triple-drive screws for easy wiring — Standard, Philips, Robertson
- Wide Cord Clamp Range, 18-3 SVT–10-3 ST, (.250"–.650")

TESTING & CODE COMPLIANCE

- Meet NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets Fed. Spec. requirements: Industrial Plugs & Connectors (File #13393); Hospital Grade (UL 498, File # E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

PYTHON™ PLUGS AND CONNECTORS — Python™ Plugs and Connectors Feature a Hinged Design for Fast, Easy Installation and Assembly

15 AMP 125V 2-Pole, 3-Wire Grounding

Hospital Grade

DESCRIPTION	CAT. NO. PLUG (NEMA 5-15P)	CAT. NO. CONNECTOR (NEMA 5-15R)
White Nylon Body	8256-V	8259-V
Industrial Grade		
Black Nylon Body	5256-VB	5259-VB
High-Visibility Yellow Nylon Body	5256-VY	5259-VY
Gray Nylon Body	5256-VG	5259-VG
Angle, High-Visibility Yellow Nylon Body	5256-VA	—

15 AMP 250V 2-Pole, 3-Wire Grounding

Hospital Grade

DESCRIPTION	CAT. NO. PLUG (NEMA 6-15P)	CAT. NO. CONNECTOR (NEMA 6-15R)
White Nylon Body	8656-V	8659-V
Industrial Grade		
High-Visibility Yellow Nylon Body	15656-VY	15659-VY
Angle, High-Visibility Yellow Nylon Body	15656-VA	—

20 AMP 125V 2-Pole, 3-Wire Grounding

Hospital Grade

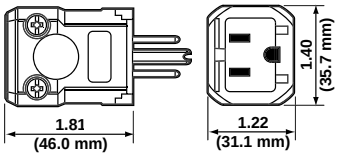
DESCRIPTION	CAT. NO. PLUG (NEMA 5-20P)	CAT. NO. CONNECTOR (NEMA 5-20R / CSA config. in Canada)
White Nylon Body	8356-V	8359-V
Industrial Grade		
Black Nylon Body	5356-VB	5359-VB
High-Visibility Yellow Nylon Body	5356-VY	5359-VY
Angle, High-Visibility Yellow Nylon Body	5356-VA	—

20 AMP 250V 2-Pole, 3-Wire Grounding

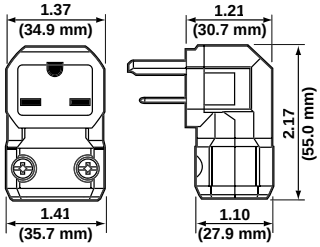
Hospital Grade

DESCRIPTION	CAT. NO. PLUG (NEMA 6-20P)	CAT. NO. CONNECTOR (NEMA 6-20R / CSA config. in Canada)
White Nylon Body	8456-V	8459-V
Industrial Grade		
High-Visibility Yellow Nylon Body	5456-VY	5459-VY
Angle, High-Visibility Yellow Nylon Body	5456-VA	—

All devices are UL Listed and CSA Certified.



Cat. No. 5256-VY



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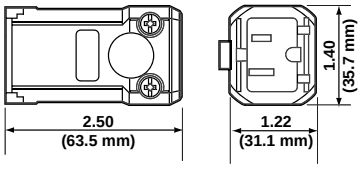


Cat. No. 5259-VY

For more information regarding corrosion-resistant devices refer to Corrosion Resistant Devices, Section K.

Integrated Power Inlets and Outlets with Weather-Resistant Covers

- Engineered to IP 64 and NEMA 3R Protection Ratings
- Suitable for Industrial Indoor and Outdoor Use

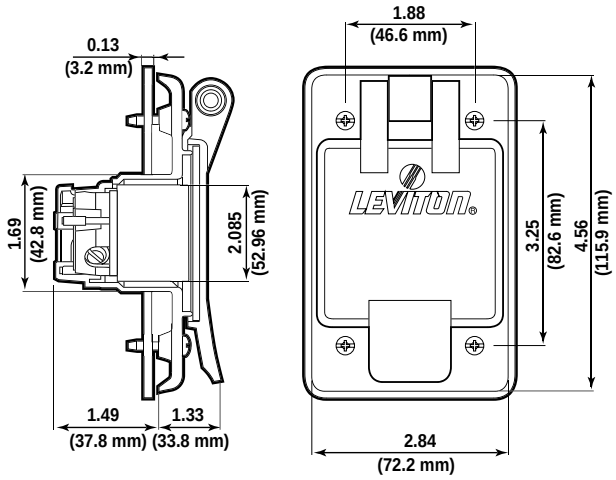
Integrated Power Inlets and Outlets with Weather-Resistant Covers
Gray, Glass-Filled Thermoplastic Cover and White, Nylon Device

DESCRIPTION	CAT. NO. FLANGED INLET	CAT. NO. FLANGED OUTLET
Standard Wire Wells, 15A-125V 2-Pole, 3-Wire	5278-CWP NEMA 5-15P	5279-CWP NEMA 5-15R
Slots for Fork Terminals, 15A-125V 2-Pole, 3-Wire	5278-FWP NEMA 5-15P	5279-FWP NEMA 5-15R
Standard Wire Wells, 15A-250V 2-Pole, 3-Wire	15678-CWP NEMA 6-15P	15679-CWP NEMA 6-15R
Standard Wire Wells, 20A-125V 2-Pole, 3-Wire	15378-CWP NEMA 5-20P	15379-CWP NEMA 5-20R; CSA config. in Canada
Standard Wire Wells, 20A-250V 2-Pole, 3-Wire	5478-CWP NEMA 6-20P	5479-CWP 8 NEMA 6-20R; CSA config. in Canada

All devices are UL Listed and CSA Certified.
Note: For locking configurations, please see Section J.

5278-CWP with Cover Open

5278-CWP with Cover Closed



Cat. No. 5279-CWP, -FWP

SPECIFICATIONS & FEATURES

- Glass-filled thermoplastic cover and plate provide outstanding impact resistance and durability
- UL 94 VO Flammability Rating
- IP 64 Suitability rating protects against dust particles and splashing water
- NEMA Type-3R enclosure Rating ensures protection against rain, sleet and damage from external ice formations
- Available with standard wire wells or with slots that accept fork terminals
- Dual gaskets, one under plate and one under lid, for weather-resistant fit
- Stainless steel external hardware resists corrosive effects of moisture
- Large thumb-tab makes it easy to open cover with gloved hand
- Mounts to panels or FS/FD boxes
- UL Listed and CSA Certified for wet locations with cover closed

TESTING & CODE COMPLIANCE

- UL Listed (File # E-13397)
- CSA Certified (File #LR-16347
- NOM Certified (#057)
- IP 64 Suitability Rating (protected against dust and splashing water)
- NEMA Type-3R Enclosure Rating when properly installed (protected against rain, sleet and damage from external ice formations)
- Backed by a Limited 2-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: VO Flammability Rating per UL 94

Operating Temperature: -40°C to 75°C

Straight Blade Plugs and Connectors

9432-P

9530-P

20 AMP Power Plugs

20 AMP 125/250V Straight Blade Plugs 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	MATCHING RECEPTACLE	NEMA CONFIG.
Straight Plug	9151-N	5032	10-20P

20 AMP 120/208V 4-Pole, 4-Wire, 3ØY Non-Grounding

Straight Plug★	7251-C	7250-FR	18-20P

30 AMP Nylon Angle Plugs

30 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	MATCHING RECEPTACLE	NEMA CONFIG.
Angle Plug	9530-P	5371	5-30P

30 AMP 250V 2-Pole 3-Wire Grounding

Angle Plug	9630-P	5372	6-30P

30 AMP 277V 2-Pole 3-Wire Grounding

Angle Plug	9730-P	9730-A	7-30P

30 AMP 125/250V 3-Pole 3-Wire Non-Grounding

Angle Plug	9332-P	5207	10-30P

30 AMP 125/250V 3-Pole 4-Wire Grounding

Angle Plug	9432-P	278	14-30P

30 AMP 250V 3-Pole 4-Wire 3-Phase Grounding

Angle Plug	8432-P	8430-A	15-30P

30 AMP 120/208V 4-Pole 4-Wire 3ØY Non-Grounding

Angle Plug	8332-P	8330-A	18-30P

All devices are UL Listed. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES

- Rugged cord clamps for secure cable grip that accommodate cord diameters from ⅝" to 1-⅜" and do not tear conductor jacket
- Made of tough, heavy-duty nylon for long service life
- Devices feature heavy-sectioned dead-front right-angle
- Pressure-clamp terminal design
- Terminals accept up to #4AWG stranded conductors
- Four-way positioning front module
- Solid brass blades for maximum conductivity

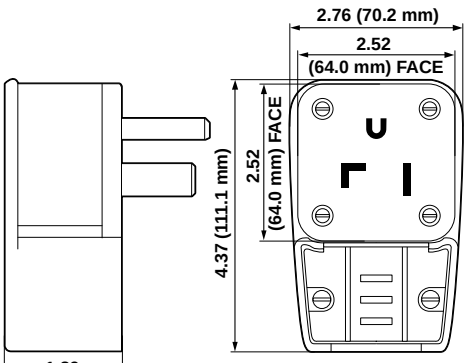
TESTING & CODE COMPLIANCE

- UL Listed (File #13393)
- UL Test 498 (CSA 42)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

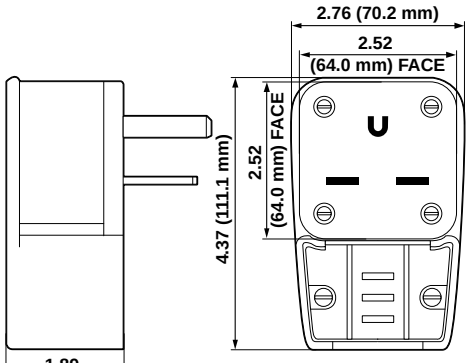
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

For more information regarding matching receptacles, refer to Receptacles, Section D.



Cat. No. 9530-P



Cat. No. 9630-P

50 AMP Nylon Angle Plugs

50 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	MATCHING RECEPTACLE	NEMA CONFIG.
Angle Plug	9550-P	5373	5-50P

50 AMP 250V 2-Pole 3-Wire Grounding

Angle Plug	9650-P	5374	6-50P

50 AMP 277V 2-Pole 3-Wire Grounding

Angle Plug	9750-P	9750-A†	7-50P

50 AMP 125/250V 3-Pole 3-Wire Non-Grounding

Angle Plug	9450-P	5206†	10-50P

50 AMP 125/250V 3-Pole 4-Wire Grounding

Angle Plug	9452-P	279	14-50P

50 AMP 250V 3-Pole 4-Wire 3-Phase Grounding

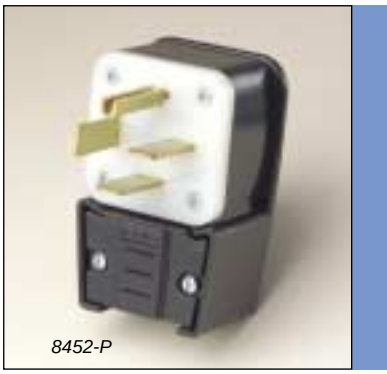
Angle Plug	8452-P	8450-A	15-50P

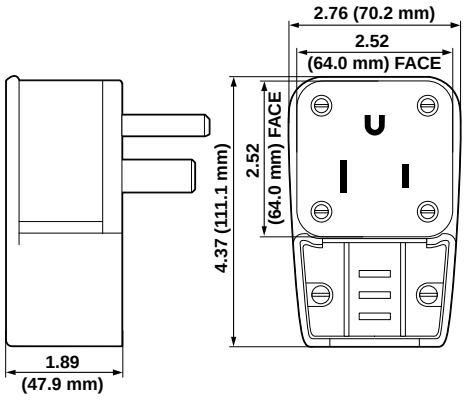
50 AMP 120/208V 4-Pole 4-Wire 3ØY Non-Grounding

Angle Plug★	8352-P	8350-A	18-50P

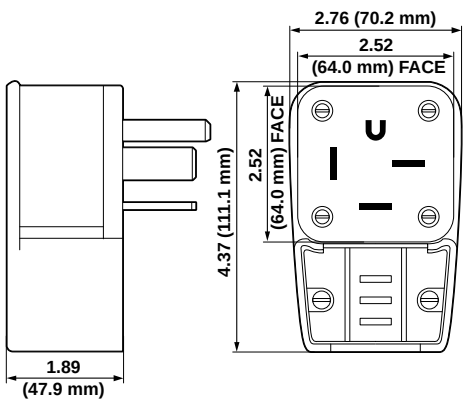
†Matching single gang wallplate: Cat. No. 84028
All devices are UL Listed. Also CSA Certified except where indicated by★

9650-P


8452-P



Cat. No. 9650-P



Cat. No. 8452-P

SPECIFICATIONS & FEATURES

- Rugged cord clamps for secure cable grip that accommodate cord diameters from ⅝" to 1⅜" and do not tear conductor jacket
- Made of tough, heavy-duty nylon for long service life
- Devices feature heavy-sectioned dead-front right-angle
- Pressure-clamp terminal design
- Terminals accept up to #4AWG stranded conductors
- Four-way positioning front module
- Solid brass blades for maximum conductivity

TESTING & CODE COMPLIANCE

- UL Listed (File #13393)
- UL Test 498 (CSA 42)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C.

For more information regarding matching receptacles, refer to Receptacles, Section D.

8362-P

8462-P

60 AMP Nylon Angle Plugs

60 AMP 125/250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	MATCHING RECEPTACLE	NEMA CONFIG.
Angle Plug	9462-P	9460-A	14-60P

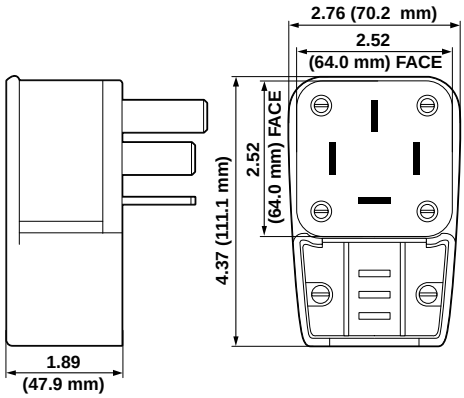
60 AMP 250V 3-Pole 4-Wire 3-Phase Grounding

Angle Plug	8462-P	8460-A	15-60P

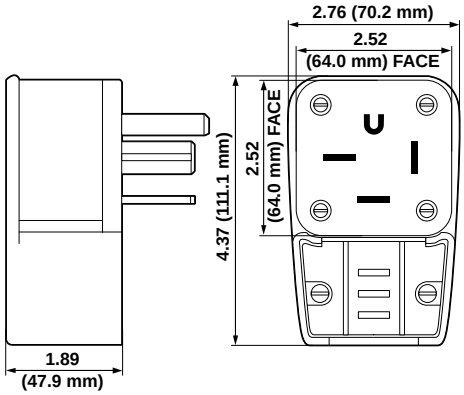
60 AMP 120/208V 4-Pole 4-Wire 3ØY Non-Grounding

Angle Plug	8362-P	8360-A	18-60P

All devices are UL Listed and CSA Certified.



Cat. No. 8362-P



Cat. No. 8462-P

SPECIFICATIONS & FEATURES

- Rugged cord clamps for secure cable grip that accommodate cord diameters from ⅝" to 1⅜" and do not tear conductor jacket
- Made of tough, heavy-duty nylon for long service life
- Devices feature heavy-sectioned dead-front right-angle
- Pressure-clamp terminal design
- Terminals accept up to #4AWG stranded conductors
- Four-way positioning front module
- Solid brass blades for maximum conductivity

TESTING & CODE COMPLIANCE

- UL Listed (File #13393)
- UL Test 498 (CSA 42)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

For more information regarding matching receptacles, refer to Receptacles, Section D.

COMMERCIAL SPECIFICATION GRADE

LEVITON Building a Connected World

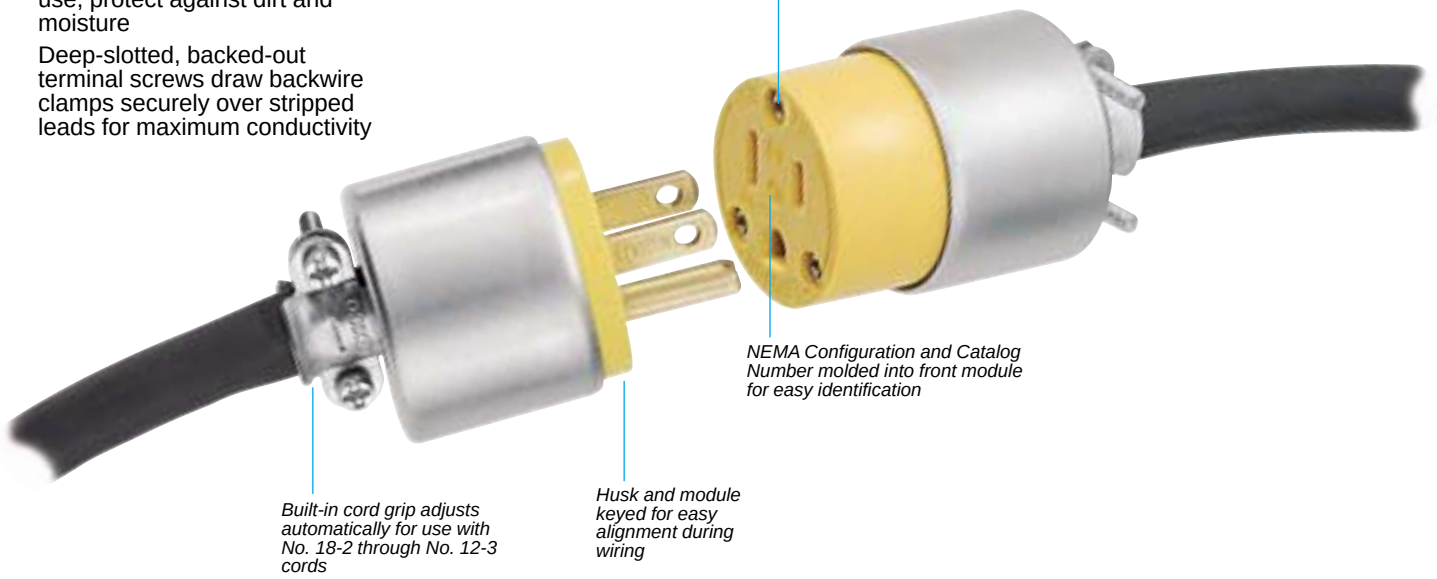
Straight Blade Plugs and Connectors

Leviton's Commercial Specification Grade Straight Blade Plugs and Connectors are rugged performers. They are moisture, chemical and abuse- resistant. And they're ideal for indoor and outdoor use.

All of these Features and Benefits are common to 15A and 20A Commercial Specification Grade Plugs and Connectors

EPTR rubber-backed plugs and connectors stand up to rough use, protect against dirt and moisture

Deep-slotted, backed-out terminal screws draw backwire clamps securely over stripped leads for maximum conductivity



A Comprehensive Line of Commercial Specification Grade Plugs and Connectors

PVC Grounding Plug

Resists moisture and chemicals; suited for outdoor cords.

Cat. No. 515PV

PVC Grounding Connector

Unique dimpled body design provides secure grip; resists abuse.

Cat. No. 515CV

PVC Angle Grounding Plug

Speed-thread assembly screws tighten with just a few quick turns; impact-resistant.

Cat. No. 515AN

Armored Grounding Plug

Ideal for shops, garages and rough-duty work with hard floors.

Cat. No. 615PA

Armored Grounding Connector

Two-piece strain-relief clamp center cord for neat installation; able to take hard punishment.

Cat. No. 615CA

Rubber Grounding Connector

Provides protection against rough use, dirt, moisture and temperature extremes.

Cat. No. 615CR

Dual Power Vinyl Angle Plug

Thermoplastic body for long life; inter-changeable blade configurations.

Cat. No. 930

Motor Base Inlet

Contains heavy gauge brass blades and phenolic bases on corrosion-resistant nickel-plated steel casings.

Cat. No. 5239

Straight Blade Plugs and Connectors

515PV

515LR

SPECIFICATIONS & FEATURES

- Triple-drive head screws — Standard, Philips, Robertson
- NEMA configuration number & rating molded on face of device for easy identification
- Rubber body is dirt and moisture resistant
- Deep-slotted, backed out terminal screws draw backwire clamps securely for maximum conductivity
- Husk & module keyed for easy alignmentduring wiring
- Built-in cord grip adjusts automatically for use with No. 18-3 through No. 12-3 cords

PVC Plugs & Connectors

- Rugged PVC body resists moisture and chemicals; suited for outdoor cords
- Unique dimpled body design provides a secure grip
- Speed-thread assembly screws tighten with just a few quick turns

Armored Plugs & Connectors

- Ideal for shops, garages and rough-duty work with hard floors
- Two piece strain-relief clamp center cord for neat installation

Rubber-Back Plugs & Connectors

- Designed to stand up to rough use
- No internal metal parts exposed
- Elastomeric husk provides added protection against dirt and moisture entry into the back wire port
- Designed to operate in the widest possible temperature range

Tru-Link™ Connector

- Locking mechanism automatically secures straight blade plug
- Easy-release tabs disconnect plug

15 AMP Plugs, Angle Plugs, Armored Plugs and Connectors

15 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
PVC Grounding Plug	515PV	Yellow	.245 –.655	No.18-3 through No. 12-3 cords	NEMA 5-15P
Armored Grounding Plug	515PA	Yellow Steel Armor			
Rubber Grounding Plug	515PR	Black			
PVC Angle Grounding Plug	515AN	White			NEMA 5-15R
PVC Grounding Connector	515CV	Yellow			
Armored Grounding Connector	515CA	Yellow Steel Armor			
Rubber Grounding Connector	515CR	Black			
Tru-Link™ Connector	515LR	Black			
Motor Base Inlet	5239	Black		No. 10 Max. copper or copper clad	

15 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
PVC Grounding Plug	615PV	Yellow	.245 –.655	No.18-3 through No. 12-3 cords	NEMA 6-15P
Armored Grounding Plug	615PA	Yellow Steel Armor			
Armored Grounding Connector	615CA	Yellow Steel Armor			NEMA 6-15R
Rubber Grounding Connector	615CR	Black			
Rubber Back Grounding Plug	615PR	Black			
Motor Base Inlet	5240	Black		No. 10 Max. copper or copper clad	

All devices are UL Listed and CSA Certified.

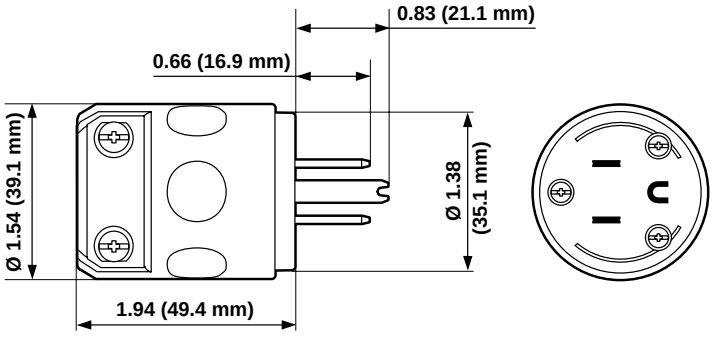
TESTING & CODE COMPLIANCE

- Meet NEMA requirements
- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

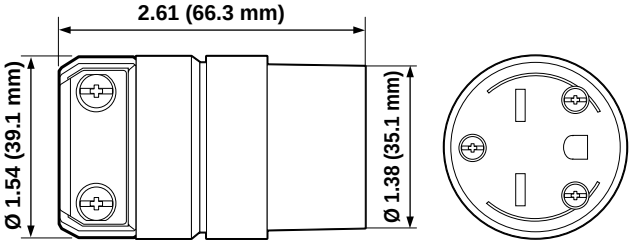
MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94

Operating Temperature: -40°C to 65°C.



Cat. No. 515PV



Cat. No. 615CR

20 AMP Plugs, Angle Plugs, Armored Plugs and Connectors

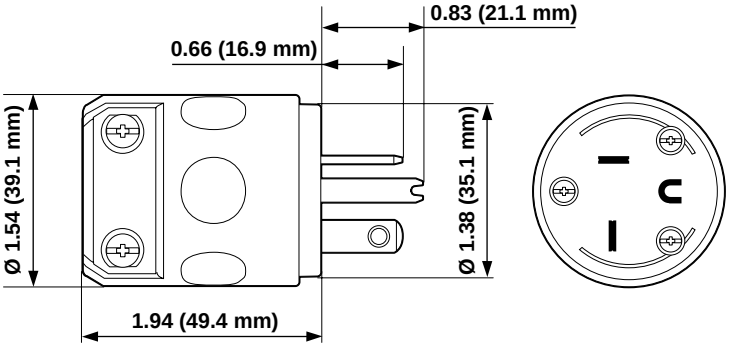
20 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
PVC Grounding Plug	520PV	Yellow	.245 –.655	No.18-3 through No. 12-3 cords	NEMA 5-20P, NEMA 5-20R
Armored Grounding Plug	520PA	Yellow Steel Armor			
PVC Grounding Connector	520CV	Yellow			
Armored Grounding Connector	520CA	Yellow Steel Armor			
Rubber Back Grounding Plug	520PR	Black			
Rubber Back Grounding Connector	520CR	Black			

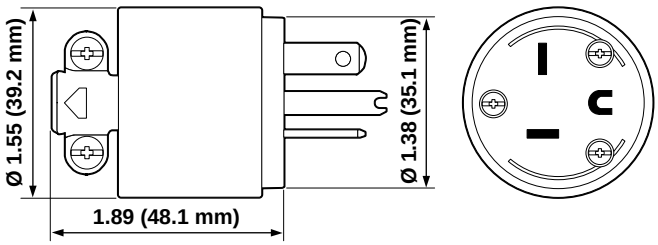
20 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
PVC Grounding Plug	620PV	Yellow	.245 –.655	No.18-3 through No. 12-3 cords	NEMA 6-20P, NEMA 6-20R
Armored Grounding Plug	620PA	Yellow Steel Armor			
PVC Grounding Connector	620CV	Yellow			
Armored Grounding Connector	620CA	Yellow Steel Armor			
Rubber Back Grounding Plug	620PR	Black			
Rubber Back Grounding Connector	620CR	Black			
Motor Base Inlet	5829	Black		No. 10 Max. copper or copper clad	

All devices are UL Listed and CSA Certified.



Cat. No. 620PV



Cat. No. 520PA

620PV

520PA

SPECIFICATIONS & FEATURES

- Triple-drive head screws — Standard, Philips, Robertson
- NEMA configuration number & rating molded on device for easy identification
- Dirt and moisture resistant
- Deep-slotted, backed out terminal screws draw backwire clamps securely for maximum conductivity
- Husk & module keyed for easy alignment during wiring
- Built-in cord grip adjusts automatically for use with No. 18-3 through No. 12-3 cords

PVC Plugs & Connectors

- Rugged PVC body resists moisture and chemicals; suited for outdoor cords
- Unique dimpled body design provides a secure grip
- Speed-thread assembly screws tighten with just a few quick turns

Armored Plugs & Connectors

- Ideal for shops, garages and rough-duty work with hard floors
- Two piece strain-relief clamp center cord for neat installation

TESTING & CODE COMPLIANCE

- Meet NEMA requirements
- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94
Operating Temperature: -40°C to 65°C.

930

931

SPECIFICATIONS & FEATURES

- Tough thermoplastic shell for long life
- Shell and bottom are hinged in front for ease of assembly
- Solid brass blades with color-coded terminals simplify wiring
- Each dual combination plug supplied with 30A blades and flat 50A blade
- Dead front right angle construction
- Interchangeable blades eliminate need for stocking different devices
- Built-in rejection feature prevents closure if blades are incorrectly positioned
- Versatile cord clamp suitable for use with Nos. 14, 12, 10, 8 and 6 AWG round cord and Nos. 10/3 SRDT, 8/2-10/1 SRDT and 6/2-8/1 flat wire
- Wiring stripping gauge molded into plug cover

TESTING & CODE COMPLIANCE

- Meet NEMA requirements
- UL Listed (File #13393)
- CSA Certified (File #LR-406)
- NOM Certified (File #057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94
Operating Temperature: -40°C to 65°C

30 AMP/50 AMP Dual Power Attachment Plugs

30 AMP 125V/50 AMP 125V Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Dual-Power Vinyl Angle Plug, Interchangeable Blades	930	Black	.630–1.050	6 max.	5-30P 5-50P

30 AMP 250V/50 AMP 250V Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Dual-Power Vinyl Angle Plug, Interchangeable Blades	931	Black	.630–1.050	6 max.	6-30P 6-50P

30 AMP 125/250V/50 AMP 125/250V Non-Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Dual-Power Vinyl Angle Plug, Interchangeable Blades	287-T	Black	.687–1.050	6 max.	10-30P 10-50P

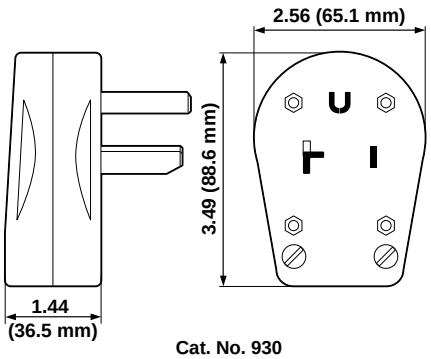
30 AMP 125/250V/50 AMP 125/250V Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Dual-Power Vinyl Angle Plug, Interchangeable Blades	275-T	Black	.750–1.125	6 max.	14-30P 14-50P

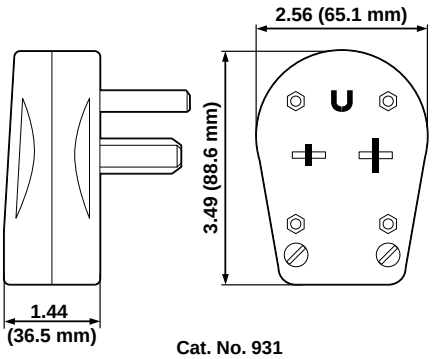
30 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Travel Trailer Vinyl Angle Plug, for use with 7313 Receptacle	830-T	Black	.687–.875	6 max.	ANSI Std. C73.13 TT-30P

All devices are UL Listed and CSA Certified.



Cat. No. 930



Cat. No. 931

Straight Blade Plugs and Connectors

10 AMP and 15 AMP Parallel Plugs and Connectors

10 AMP 125V w/18-2 SPT-1 Cord
3 AMP 125V w/20-2XT Cord

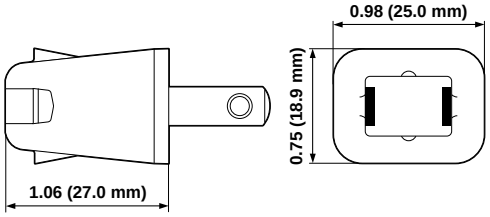
DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Easy Wire Plug	123 123-I 123-W	Brown Ivory White		No. 18-2SPT-1 or No. 20-2 XT Only	1-15P Non-Polarized
Same as No. 123, Polarized	123-P* 123-PI* 123-PW*	Brown Ivory White			1-15P Polarized

*Packed 500 Bulk

15 AMP 125V 2-Pole, 2-Wire

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Polarized Light Duty Clamptite Plug	101 101-W 101-E	Brown White Black		No. 20, 18, 16 Flat or Round	
Note: Consult factory for availability of non-polarized version					
Polarized Light Duty Clamptite Connector	102 102-W 102-E	Brown White Black	Up to .250"	No. 18-2	
Non-Polarized Heavy-Duty PVC Plug	115PV	Yellow	.245–.655"	AWG 18-2 to 12-3 cable.	
Non-Polarized Heavy-Duty TPE Rubber Plug	115PR	Black			
Non-Polarized Short Flat Vinyl Plug★	48643 48643-W 48643 E	Brown White Black	.375 max.	18–14	1-15P Polarized
Non-Polarized Angle Vinyl Plug★	638 638-B 638-W	Black Brown White	.343 max.	16 max.	1-15R Polarized
Non-Polarized Round Vinyl Handle Plug, w/Cord Clamp★	48646	Black	.437 max.	18–14	
Non-Polarized Vinyl Connector, w/Cord Clamp★	612†	Black	.437 max.	14 max.	
Non-Polarized Round Vinyl Handle Plug, w/Spring Blades★	48642	Black	.375 max.	18–14	

*Packed 500 bulk. †Not UL Listed. For replacement use only.
All devices are UL Listed. Also CSA Certified except where indicated by★



Cat. No. 123

123-I

48643-W

SPECIFICATIONS & FEATURES

- Brass plug blades and connector contacts for maximum conductivity
- Armored devices have heavily plated steel shields and cord clamps
- Vinyl devices resist chipping, cracking, oils, grease and acids
- Rubber devices resist cold, abrasion, grease, oils, acids and impact
- Plastic devices resist grease, oils and acids

TESTING & CODE COMPLIANCE

- Meet NEMA requirements (1-15P)
- UL Listed (File #E-13393)
- CSA Certified
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94
Operating Temperature: -40°C to 65°C

15 AMP 125V 2-Pole, 3-Wire Grounding Plugs and Connectors

15 AMP 125V 2-Pole, 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Vinyl Handle Plug, w/Cord Clamp★	48648	Black	.437 max.	18-14	
Vinyl Connector, w/ Steel Cord Clamp	617	Black	.437 max.	16 max.	
Rubber Plug w/Vinyl Inner Assembly	113	Black	.396-.562	18-14	5-15P
Rubber Connector mates w/No. 113 above	114	Black	.396-.562	18-14	5-15R
Weatherproof Inlet on Flush Mount Wallplate with Aluminum Cover	4937			No. 10 max. copper or copper clad	

All devices are UL Listed. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES

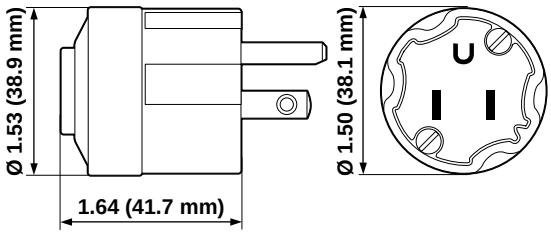
- Double wipe brass contacts for maximum conductivity and blade retention

TESTING & CODE COMPLIANCE

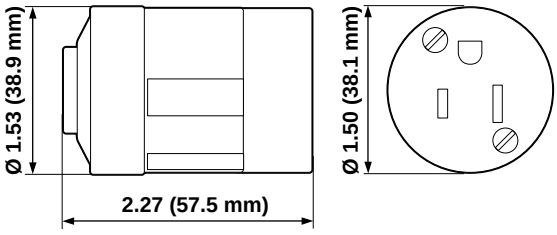
- Meet NEMA requirements
- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2 per UL 94
Operating Temperature: -40°C to 65°C



Cat. No. 113



Cat. No. 114

Pin and Sleeve Devices

Series 309-1 and 309-2 IEC Configuration

Leviton's Pin and Sleeve Devices are designed for high quality distribution of electrical power in industrial facilities.

These devices are ideal where heavy electrical equipment, computers, telecommunications equipment, food processing equipment, production machinery and large staging areas, require durable, reliable power connections, despite extremely punishing conditions

Leviton's Pin and Sleeve Devices are the most advanced anywhere. They meet UL's stringent standards and have established a higher quality and safety standard for IEC 309-1 and 309-2 compliant pin and sleeve devices worldwide.

Plugs, connectors and inlets listed to UL File #E-164322. Receptacles listed to UL File #E-164321. All devices listed to CSA File #LR-700925.

PIN AND SLEEVE DEVICES

Overview ____ I1, I2
Making the Right Connection/Matching Colors & Telling Time ____ I3
North American Watertight Pin and Sleeve Devices ____ I4–I9
- Application Guide ____ I4
- Performance Specifications ____ I5
- Inlet Dimensions ____ I6
- Drilling Plan-Receptacles and Inlets ____ I6
- Plug Dimensions ____ I7–I9
- Connector Dimensions ____ I7–I9

North American Watertight Mechanical Interlock Devices ____ I10
- Materials ____ I10
- Performance Specifications ____ I10
- Additional Components ____ I10
- Dimensions for Valox Mechanical Interlock Receptacles ____ I11
- Dimensions for Cast Aluminum Mechanical Interlock Receptacles ____ I11
- IP 67 Watertight Valox Devices ____ I12
- IP 44 Splashproof Cast Aluminum Devices ____ I13, I15

International-Rated and Splashproof Devices ____ I14
Dimensions for Cast Aluminum Back Boxes ____ I16
Dimensions for Thermoplastic Back Boxes ____ I16
Pin and Sleeve Accessories ____ I17
Adapter Kits for Hubbell Back Boxes ____ I17
Adapter Kits for Appleton and Crouse-Hinds Back Boxes ____ I17
Closure Caps ____ I17
Lockout/Tagout for Pin and Sleeve Devices ____ I17

SECTION I

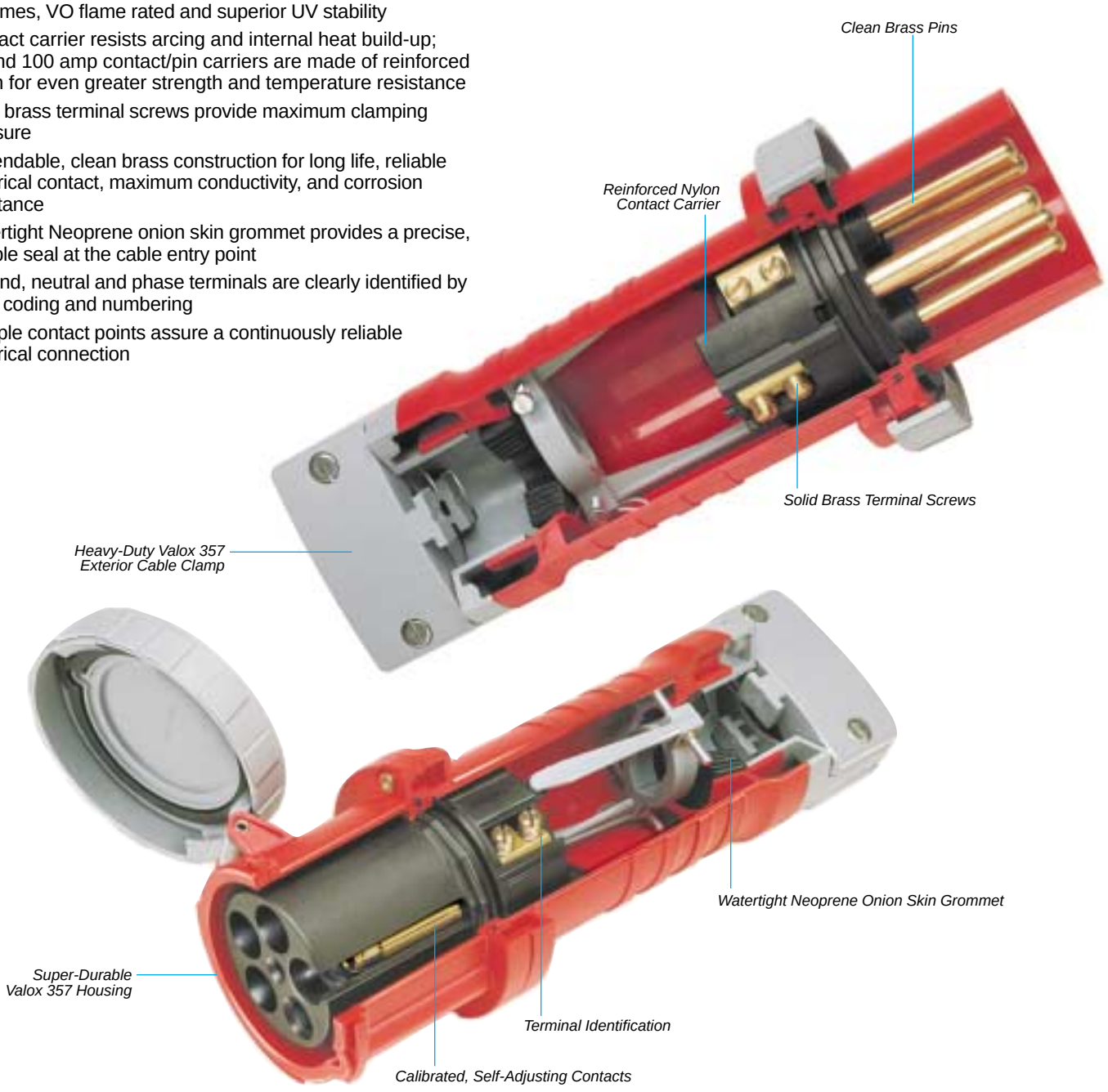
Pin and Sleeve Devices

The Watertight Line: North American-Rated Devices

Superior Connection…Superior Protection

Features and Benefits

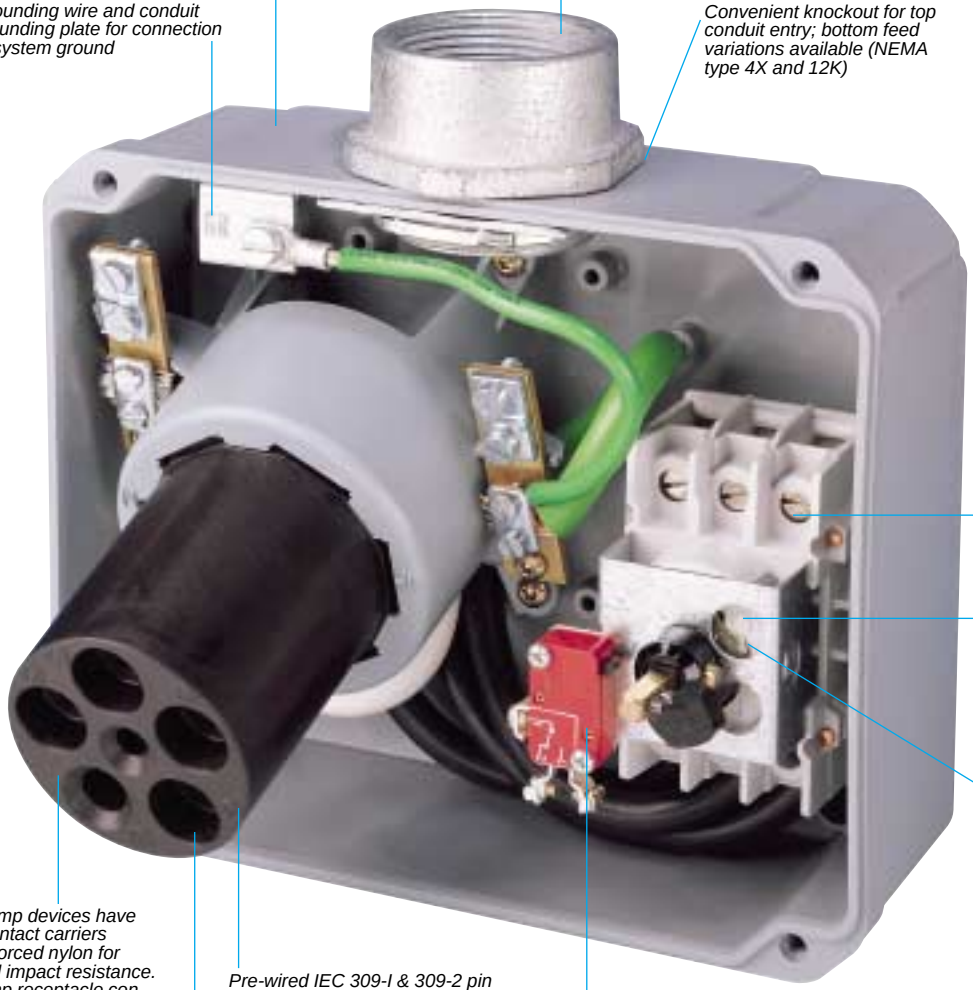
- Rugged housing, made of superior performance Valox 357, provides maximum corrosion protection and makes the device resistant to impact and abuse; greater resistance to temperature extremes, VO flame rated and superior UV stability
- Contact carrier resists arcing and internal heat build-up; 60 and 100 amp contact/pin carriers are made of reinforced nylon for even greater strength and temperature resistance
- Solid brass terminal screws provide maximum clamping pressure
- Dependable, clean brass construction for long life, reliable electrical contact, maximum conductivity, and corrosion resistance
- Watertight Neoprene onion skin grommet provides a precise, reliable seal at the cable entry point
- Ground, neutral and phase terminals are clearly identified by color coding and numbering
- Multiple contact points assure a continuously reliable electrical connection



IP 67 Watertight Mechanical Interlock Devices

The leader in ruggedness and easy installation

Leviton's watertight inlets and receptacles (shown above) offer the same superior performance and design features as Leviton plugs and connectors.



Watertight conduit hubs for use with metallic conduit

Enclosures made of rugged Valox 357 carry NEMA 4X – outdoor (watertight, washdown) and 12K –indoor (dust tight, falling dirt) enclosure rating

Grounding wire and conduit grounding plate for connection of system ground

Convenient knockout for top conduit entry; bottom feed variations available (NEMA type 4X and 12K)

Easy-wiring switch terminal block for fast installation

Heavy-duty, HP-rated disconnect switch, factory-wired to single-rated receptacle; handles large motor loads

Screw-mounted switch resists accumulation of contaminants for easier service

60 and 100 amp devices have receptacle contact carriers made of reinforced nylon for high heat and impact resistance. 20 and 30 amp receptacle contact carriers are made of nylon for high impact resistance

Pre-wired IEC 309-I & 309-2 pin and sleeve receptacle

Receptacle contact carrier has staggered contacts; ground makes first, breaks last

All mechanical interlock devices have factory-installed auxiliary contacts. Switch opens/closes no less than 30 milliseconds before/after live contacts.

Making the Right Connection is as Easy as Matching Colors and Telling Time!

Leviton's pin and sleeve devices are easy to use. Matching amperage and voltage requirements is literally as easy as matching colors and telling time.

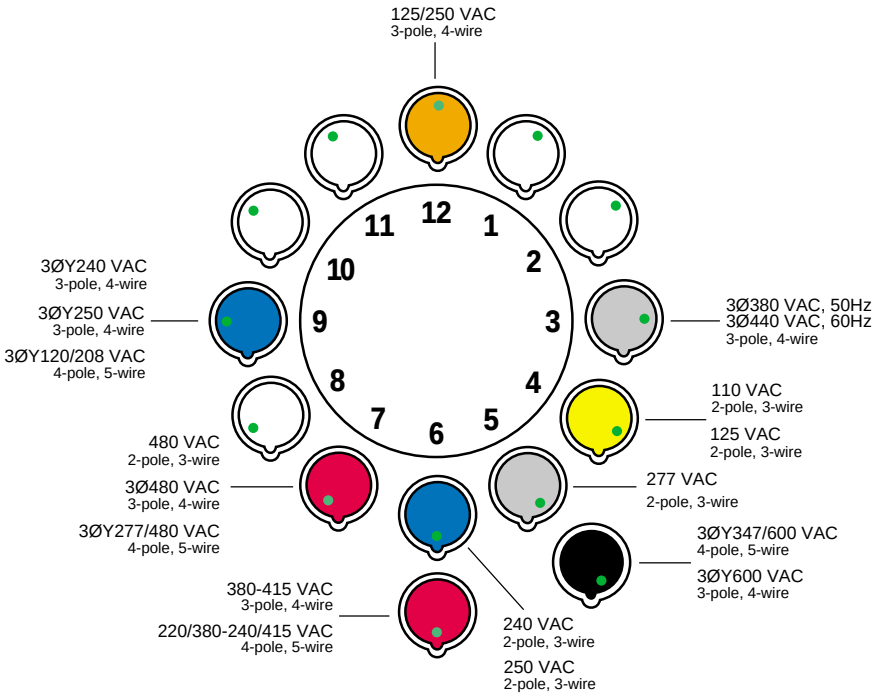
The amperage rating is related to the size of the device; devices of the same amperage are the same size.

The voltage rating is related to the location of the ground sleeve on the female device and the number of conductors. This location is based on a clock face with the key-way at the 6 o'clock position.

The ground sleeve is positioned at a specific hour location, depending on the device's voltage rating.

The clock position for plugs and inlets is a mirror image of the position for matching connectors and receptacles.

For quick visual identification, voltage ratingss are also color-coded and the housings of interconnecting units are always the same color. All 125VAC devices are yellow; 250VAC are blue, etc. Matching up interconnecting devices is as easy as matching colors.



Rated Voltage	Color
110V-130V	
125V-250V	
200V-250V	
277V, 380V, 440V	
380V-480V	
500V and above	

Ordering is Easy

Leviton's catalog number system is easy to use. Each letter or number provides a description of the product. Simply follow the six-part code below, made up of letters and numbers. Each catalog number contains the number of conductors, amperage rating, device type, clock position of the ground sleeve, and environmental rating.
For example, the catalog number below refers to a 3-wire, 20 amp receptacle with a grounding sleeve located at the 6 o'clock position and an environmental classification of watertight.

3	20	R	6	W
1ST DIGIT	2ND–4TH DIGIT	LETTER	GROUNDING	SUFFIX*
3 = 3 wire	20 = 20 Amp	P = Plug	Clock position of female grounding contact	W = Watertight
4 = 4 wire	30 = 30 Amp	C = Connector		
5 = 5 wire	60 = 60 Amp	R = Receptacle		
	100 = 100 Amp	B = Inlet		
		MI = Mechanical Interlock		

*Watertight devices are identified by their "W" suffix; Splashproof devices by their "SP" prefix.

North American Watertight Devices

- Listed to UL 1682 and 1686, CE Approved
- Certified to CSA Standard C22.2 number 182.1
- IEC Classified to Standards 309-1 and 309-2 for both North American-rated and International-rated voltages and services

4100P12W

4100C12W

Materials

Inlet

PART	MATERIAL
Housing	Valox 357
Locking Ring	Valox 357
Mounting Flange	Valox 357
Contact Carrier	Nylon for 20 and 30 Amp devices; Reinforced nylon for 60 and 100 Amp devices
Phase, Ground Pins	Brass
Terminal Screws	Brass
Sealing Gasket	Solid Neoprene

Connector

PART	MATERIAL
Housing	Valox 357
Internal Cord Clamp Assembly	Thermoplastic
External Cord Clamp Assembly	Valox 357
Gland Cap	Valox 357
Grommet	Neoprene Onion Skin
Cover with Arm	Valox 357
Arm Spring	"Performance Grade" Stainless Steel
Cover Eyelet	Nickel-Plated Brass
Sealing Gasket	Solid Neoprene
Contact Carrier	Nylon for 20 and 30 Amp devices; Reinforced nylon for 60 and 100 Amp devices
Phase, Ground Sleeve	Brass
Sleeve Spring	Stainless Steel
Terminal Screws	Brass
Internal Screws	Zinc-plated Steel
External Screws	Acid-proof Stainless Steel

Plug

PART	MATERIAL
Housing	Valox 357
Locking Ring	Valox 357
Sealing Gasket	Solid Neoprene
Internal Cord Clamp Assembly	Thermoplastic
External Cord Clamp Assembly	Valox 357
Gland Cap	Valox 357
Grommet	Neoprene Onion Skin
Cord Clamp Screws	Acid-proof Stainless Steel
Gland Cap Screws	Acid-proof Stainless Steel
Contact Carrier	Nylon for 20 and 30 Amp devices; Reinforced nylon for 60 and 100 Amp devices
Ground, Phase Pins	Brass
Terminal Screws	Brass
Internal Screws	Zinc-plated Steel
External Screws	Acid-proof Stainless Steel

Receptacle

PART	MATERIAL
Housing	Valox 357
Mounting Flange	Valox 357
Cover with Arm	Valox 357
Arm Spring	"Performance Grade" Stainless Steel
Cover Eyelet	Nickel-Plated Brass
Sealing Gasket	Solid Neoprene
Terminal Screws	Brass
Phase, Ground Sleeves	Brass
Sleeve Spring	Stainless Steel

Watertight Application Guide

INDUSTRY	APPLICATION
Agriculture	For outdoor fans, HVAC pumping, and similar equipment.
Chemical Processing	For maintenance and process control equipment where electrical connectors are subject to immersion and corrosive chemicals.
Computer	For connections under raised floors or plenum spaces where moisture may be present, and the risk of accidental power disconnection must be virtually eliminated.
Construction	Use in areas where connections are outdoors and exposed to wet ground, severe weather or rough handling.
Food Processing	Use in areas subject to wash downs and where electrical connections are likely to see rough handling.
Entertainment	For outdoor connections subject to extremes of temperature and weather, particularly for critical loads such as sound and lighting.
Heavy Manufacturing	Areas where material particles, dust, or coolants might enter a device, or the connection may be subject to impact, temperature extremes, crushing, or other rough handling.
Light Manufacturing	Areas where connections are subjected to cleaning solvents or chemicals.
Wastewater Treatment	For outdoor use on aerators, pumps, and ventilating equipment, or in areas subject to moisture.

460P7W 460C12W

Performance Specifications

Electrical

Dielectric Voltage	Devices rated≤ 300V: 2000V for 1 min. Devices rated >300V: 3000V for 1 min.
Insulation Resistance	500 V for 1 min. Insulation Resistance ≥ 5 megohms
Ground Path Current	Apply high current for short time (See Table 1) and maintain continuity
Overload	150% of rated current and 100% of rated voltage for 50 cycles (Power factor 0.75–0.80)
Current Interrupting	Certified for current interrupting at full-rated current and voltage
Temperature Rise	Max 30°C rise at full rated current (after overload)
Resistance to Arcing	Continuation of overload for additional 200 cycles
Endurance with Load	**Device** — **# Cycles with Load** 20A — 5000 — Rated Current,Voltage 30A, 60A — 1000 — Rated Current,Voltage 100A — 250 — Rated Current,Voltage (Power Factor 0.75 - 0.80)

Mechanical

Mold Stress Relief	70°C for 7 hrs
Humidity	32°C, 93% humidity, 168 hrs
Cable Secureness	Pull force and apply torque for 1 minute (See Table 2)
Impact	Drop from 30" 8 times after conditioning to -25°C, for 6 hrs
Crush	250 lbs for 1 min after -25°C for 6 hrs
Withdrawal Force	Pull for one minute (See Table 3)
Strength of Insulating Base and Support	110% of specified tightening torque on terminal screws
Endurance	**Device** — **Total # Cycles** (connect & disconnect) 20A — 5000 30A, 60A — 2000 100A — 500
Polarization Integrity	Matching devices will not mate so that ground is energized even when polarization feature is removed and 40-lb insertion force applied

Environmental

Flammability	V2 or better on 20 and 30 amp devices per UL 94 or CSA 22.2 No 0.6 ; VO on 60 and 100 amp devices
Resistance to Corrosion	Ferrous parts immersed in 10% ammonium chloride solution at 20°C for 10 minutes
Moisture Resistance	**Watertight:** Device immersed for 24 hrs in 5 cm of 25°C water **Splashproof:** 1 inch diameter water stream at 15 PSI from 10 feet for 5 minutes
UV Resistance	Exposed plastic materials are UV stabilized

Table 1

SHORT-TIME GROUNDING TEST CURRENTS

Device Rating, Amperes	Minimum Size Equipment Grounding Conductor (Copper) AWG	(mm²)	Time, Seconds	Test Current, Amperes
20	12	(3.3)	4	470
30	10	(5.3)	4	750
60	10	(5.3)	4	750
100	8	(8.4)	4	1180

Ground-path integrity is of critical importance to safe operation of industrial equipment. Leviton pin and sleeve devices are tested by applying a test current through their ground path that far exceeds the device rating. All devices are properly wired and connected to line current at rated values. Then the ground path is subjected to a dramatic, sudden increase in current for 4 seconds. In all cases, the ground pin, sleeve, and terminals of the devices must sustain the test current, continue to function properly, and show no evidence of damage or deterioration in any electrical or mechanical elements of the ground path. Test current values and test parameters are displayed in the above chart.

Table 2

CORD OR CABLE SECURENESS TEST VALUES

Device Rating, Amperes	Force lb	Force N	Torque ft-lb	Torque N•M	Maximum Displacement inches	Maximum Displacement mm
20	30	133	0.4	0.54	≤3/32	2.38
30	75	333	0.5	0.68	≤3/32	2.38
60	150	667	1.0	1.4	≤3/32	2.38
100	150	667	2.0	2.7	≤3/32	2.38

Heavy cord stress is typical of industrial applications. To assure you of top performance, Leviton pin and sleeve devices are subjected to a punishing series of tests to confirm they can absorb heavy cord pulls. The cord conductors wired to devices are simultaneously twisted and pulled. Values for the applied twisting torque and force of pull are shown above. In all cases, the cord displacement is less than 3/32 inches.

Table 3

MINIMUM WITHDRAWAL FORCE

Device Rating, Amperes	Minimum Withdrawal Force lb	N
20	5	22
30	6	27
60	15	67
100	20	89

In industrial settings, inadvertent disconnection of power can be troublesome at best, dangerous at worst, and unacceptable in any case. To verify that Leviton pin and sleeve plugs and connectors remain securely connected, they are tested to establish the minimum force required for withdrawal. In establishing these minimum withdrawal forces, the plugs and connectors are properly mated, but not locked with locking rings or other mechanical means. The pins and sleeves provide the only resistance to the force of withdrawal. In all cases, the values in the table above show the minimum force required to separate the plugs and connectors.

Watertight Dimensions

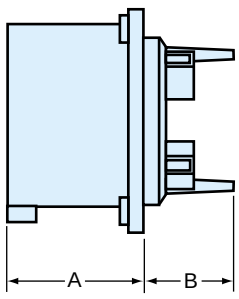
Inlet Dimensions

TYPE		A	B
320B*	inch	1.61	0.95
	mm	41	24
420B*	inch	1.61	0.95
	mm	41	24
520B*	inch	1.61	0.95
	mm	41	24
330B*	inch	1.97	1.10
	mm	50	28
430B*	inch	1.97	1.10
	mm	50	28
530B*	inch	1.97	1.10
	mm	50	28
360B	inch	3.15	1.97
	mm	80	50
460B	inch	3.15	1.97
	mm	80	50
560B	inch	3.15	1.97
	mm	80	50
3100B	inch	3.50	2.21
	mm	89	56
4100B	inch	3.50	2.21
	mm	89	56
5100B	inch	3.50	2.21
	mm	89	56

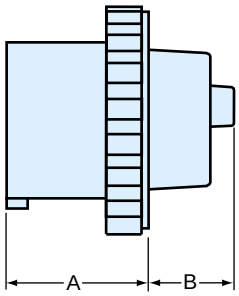
*20 and 30 Amp inlets available in splashproof only.

Receptacle Dimensions

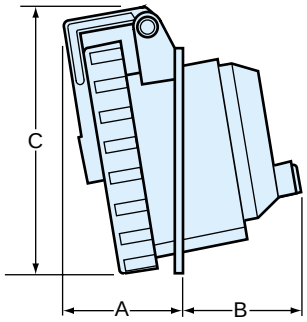
TYPE		A	B	C
320R	inch	2.17	1.26	3.15
	mm	55	32	80
420R	inch	2.17	1.26	3.54
	mm	55	32	90
520R	inch	2.17	1.26	3.94
	mm	55	32	100
330R	inch	2.36	1.97	3.94
	mm	60	50	100
430R	inch	2.36	1.97	4.13
	mm	60	50	105
530R	inch	2.36	1.97	4.33
	mm	60	50	110
360R	inch	3.50	1.89	4.37
	mm	89	48	111
460R	inch	3.50	1.89	4.37
	mm	89	48	111
560R	inch	3.50	1.89	4.37
	mm	89	48	111
3100R	inch	3.94	2.28	4.80
	mm	100	58	122
4100R	inch	3.94	2.28	4.80
	mm	100	58	122
5100R	inch	3.94	2.28	4.80
	mm	100	58	122



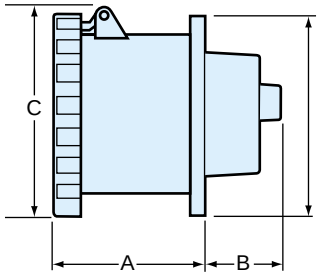
INLET 20A, 30A



INLET 60A, 100A



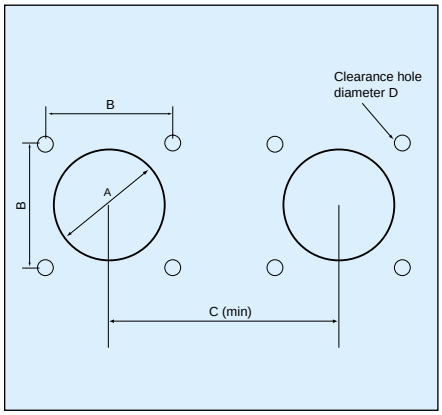
RECEPTACLE 20A, 30A



RECEPTACLE 60A, 100A

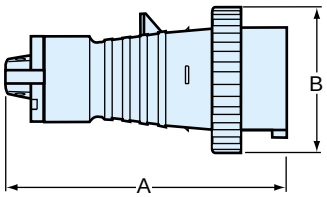
Drilling Plan

Receptacles and Inlets

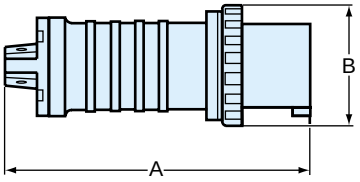


DEVICE SIZE		A inches	A mm	B inches	B mm	C (min) inches	C (min) mm	D inches	D mm
20A; 3-wire;	Receptacle	1.97	50	2.17	55	3.94	100	0.185	4.7
	Inlet	1.93	49	1.73	44	3.94	100	0.185	4.7
20A; 4-wire;	Receptacle	2.17	55	2.36	60	4.33	110	0.185	4.7
	Inlet	2.32	59	2.05	52	4.33	110	0.185	4.7
20A;5-wire:	Receptacle	2.87	73	2.72	69	4.92	125	0.236	6.0
	Inlet	2.87	73	2.60	66	4.92	125	0.185	4.7
30A;3-wire:	Receptacle	2.99	76	2.72	69	5.12	130	0.236	6.0
	Inlet	2.99	76	2.76	70	5.12	130	0.185	4.7
30A;4-wire:	Receptacle	2.99	76	2.72	69	5.12	130	0.236	6.0
	Inlet	2.99	76	2.76	70	5.12	130	0.185	4.7
30A;5-wire:	Receptacle	3.11	79	2.72	69	5.71	145	0.236	6.0
	Inlet	3.11	79	2.95	75	5.71	145	0.185	4.7
60A All		2.76	70	2.40	61	6.69	170	0.224	5.7
100A All		3.47	88	2.80	71	7.87	200	0.280	7.1

Pin and Sleeve Devices



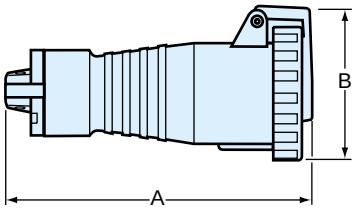
20A, 30A PLUG



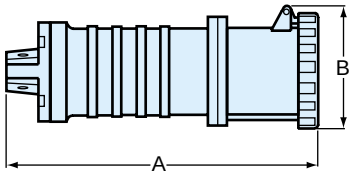
60A, 100A PLUG

Plug Dimensions

TYPE		A	B	CORD GRIP RANGE (DIA.)
320P	inch	5.83	2.80	.350 –.860
	mm	148	71	9 – 22
420P	inch	6.46	3.11	.350 –.860
	mm	164	79	9 – 22
520P	inch	6.61	3.43	.437 –1.187
	mm	168	87	11 – 30
330P	inch	6.85	3.70	.437 –1.187
	mm	174	94	11 – 30
430P	inch	6.85	3.70	.437 –1.187
	mm	174	94	11 – 30
530P	inch	7.40	3.98	.437 –1.450
	mm	188	101	11 – 37
360P	inch	10.83	4.49	.670 –1.625
	mm	275	114	17 – 41
460P	inch	10.83	4.49	.670 –1.625
	mm	275	114	17 – 41
560P	inch	10.83	4.49	.670 –1.625
	mm	275	114	17 – 41
3100P	inch	12.3	5	.950 –1.875
	mm	312	127	24 – 48
4100P	inch	12.3	5	.950 –1.875
	mm	312	127	24 – 48
5100P	inch	12.3	5	.950 –1.875
	mm	312	127	24 – 48



20A, 30A CONNECTOR



60A, 100A CONNECTOR

Connector Dimensions

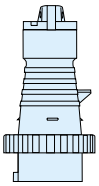
TYPE		A	B	CORD GRIP RANGE (DIA.)
320C	inch	6.73	3.19	.350 –.860
	mm	171	81	9 – 22
420C	inch	7.36	3.46	.350 – .860
	mm	187	88	9 – 22
520C	inch	7.68	3.82	.437 –1.187
	mm	195	97	11 – 30
330C	inch	7.68	4.02	.437 –1.187
	mm	195	102	11 – 30
430C	inch	7.68	4.02	.437 –1.187
	mm	195	102	11 – 30
530C	inch	8.27	4.29	.437 –1.450
	mm	210	109	11 – 37
360C	inch	11.26	4.41	.670 –1.625
	mm	286	112	17 – 41
460C	inch	11.26	4.41	.670 –1.625
	mm	286	112	17 – 41
560C	inch	11.26	4.41	.670 –1.625
	mm	286	112	17 – 41
3100C	inch	12.8	4.84	.950 –1.875
	mm	325	123	24 – 48
4100C	inch	12.8	4.84	.950 – 1.875
	mm	325	123	24 – 48
5100C	inch	12.8	4.84	.950 –1.875
	mm	325	123	24 – 48

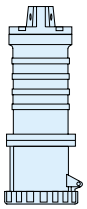
Watertight Pin and Sleeve Devices

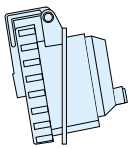
North American Devices, 20 and 30 AMP

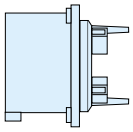
320P4W

320C4W









AMPS	WIRING	VOLTAGE AC	CONNECTOR/ RECEPTACLE	PLUG/ INLET	WATERTIGHT PLUG	WATERTIGHT CONNECTOR	WATERTIGHT RECEPTACLE	SPLASHPROOF* INLET
20	2p3w	125			320P4W	320C4W	320R4W	SP320B4
	2p3w	250			320P6W	320C6W	320R6W	SP320B6
	2p3w	480			320P7W	320C7W	320R7W	SP320B7
	3p4w	125/250			420P12W	420C12W	420R12W	SP420B12
	3p4w	3Ø250			420P9W	420C9W	420R9W	SP420B9
	3p4w	3Ø480			420P7W	420C7W	420R7W	SP420B7
	3p4w	3Ø600			420P5W	420C5W	420R5W	SP420B5
	4p5w	3ØY120/208			520P9W	520C9W	520R9W	SP520B9
	4p5w	3ØY277/480			520P7W	520C7W	520R7W	SP520B7
	4p5w	3ØY347/600			520P5W	520C5W	520R5W	SP520B5
30	2p3w	125			330P4W	330C4W	330R4W	SP330B4
	2p3w	250			330P6W	330C6W	330R6W	SP330B6
	2p3w	480			330P7W	330C7W	330R7W	SP330B7
	3p4w	125/250			430P12W	430C12W	430R12W	SP430B12
	3p4w	3Ø250			430P9W	430C9W	430R9W	SP430B9
	3p4w	3Ø480			430P7W	430C7W	430R7W	SP430B7
	3p4w	3Ø600			430P5W	430C5W	430R5W	SP430B5
	4p5w	3ØY120/208			530P9W	530C9W	530R9W	SP530B9
	4p5w	3ØY277/480			530P7W	530C7W	530R7W	SP530B7
	4p5w	3ØY347/600			530P5W	530C5W	530R5W	SP530B5

*For 20 and 30 North American Ratings ONLY, inlets are available exclusively in splashproof style, NOT available in watertight.

Watertight Pin and Sleeve Devices

North American Devices, 60 and 100 AMP

360R6W

4100P12W

AMPS	WIRING	VOLTAGE AC	CONNECTOR/ RECEPTACLE	PLUG/ INLET	WATERTIGHT PLUG	WATERTIGHT CONNECTOR	WATERTIGHT RECEPTACLE*	WATERTIGHT INLET
60	2p3w	125			360P4W	360C4W	360R4W	360B4W
	2p3w	250			360P6W	360C6W	360R6W	360B6W
	2p3w	480			360P7W	360C7W	360R7W	360B7W
	3p4w	125/250			460P12W	460C12W	460R12W	460B12W
	3p4w	3Ø250			460P9W	460C9W	460R9W	460B9W
	3p4w	3Ø480			460P7W	460C7W	460R7W	460B7W
	3p4w	3Ø600			460P5W	460C5W	460R5W	460B5W
	4p5w	3ØY120/208			560P9W	560C9W	560R9W	560B9W
	4p5w	3ØY277/480			560P7W	560C7W	560R7W	560B7W
	4p5w	3ØY347/600			560P5W	560C5W	560R5W	560B5W
100	2p3w	125			3100P4W	3100C4W	3100R4W	3100B4W
	2p3w	250			3100P6W	3100C6W	3100R6W	3100B6W
	2p3w	480			3100P7W	3100C7W	3100R7W	3100B7W
	3p4w	125/250			4100P12W	4100C12W	4100R12W	4100B12W
	3p4w	3Ø250			4100P9W	4100C9W	4100R9W	4100B9W
	3p4w	3Ø480			4100P7W	4100C7W	4100R7W	4100B7W
	3p4w	3Ø600			4100P5W	4100C5W	4100R5W	4100B5W
	4p5w	3ØY120/208			5100P9W	5100C9W	5100R9W	5100B9W
	4p5w	3ØY277/480			5100P7W	5100C7W	5100R7W	5100B7W
	4p5w	3ØY347/600			5100P5W	5100C5W	5100R5W	5100B5W

*Back-boxes for receptacles are noted on pages I 16 and I 17.

North American Watertight Mechanical Interlock Devices

- Listed to UL 231 and UL 1686, CE Approved
- Certified to CSA Standard C22.2 number 182.1
- Switches are listed to UL 508 and CSA C22.2-14
- IEC Classified to Standards 309-1 and 309-2 for both North American and International rated voltages and services

Materials

20 and 30 AMP Devices

PART	MATERIAL
Housing Cover	Valox 357
Housing Base	Valox 357
Cover with Arm	Valox 357
Locking Ring	Valox 357
Cover Arm Eyelet	Nickel-Plated Brass
Housing Gasket	Solid Neoprene
Sealing Gasket	Solid Neoprene
Handle	Valox 357
Actuator Shaft	Valox 357
Locking Mechanism	Zinc-Coated Steel
Contact Carrier	Nylon
Phase and Ground Sleeves	Brass
Ground Contact	Brass
Conduit Grounding Plate	Zinc-Coated Steel
Conduit Hub★	Die-Cast Zinc
Switch Terminal Block	Phenolic-Malamine
Switch Terminal Contacts	Brass
Internal Screws	Zinc-Coated Steel
Housing Screws	Stainless Steel

Additional Components for 60 AMP Devices

PART	MATERIAL
Ground Bus	Brass
Neutral Bus	Brass
Actuator Shaft	Zinc-Coated Steel
Contact Carrier	Reinforced Nylon
Conduit Hub (1½")	Die-Cast Zinc

Additional Components for 100 AMP Devices

PART	MATERIAL
Ground Terminal	Plated Brass/Steel
Ground Terminal Block	Nylon
Neutral Terminal	Plated Brass/Steel
Neutral Terminal Block	Nylon
Terminal Shaft Key	Die-Cast Aluminum
Actuator Shaft	Zinc-Coated Steel
Contact Carrier	Reinforced Nylon
Conduit Hub (2")	Die-Cast Zinc

20 Amp ¾"; 30 Amp 1"★

Performance Specifications

Electrical

	Device	Current Applied	Duration
Ground Path Integrity	20 A	40 A	2 min
	30 A	60 A	2 min
	60 A	120 A	4 min
	100 A	200 A	6 min
Current Interrupting	Certified for current interrupting at full-rated current and voltage		
Endurance	6000 operations at rated current and voltage (Power factor 0.75 – 0.80)		
Dielectric	1000 V plus twice rated voltage for 1 minute		

Mechanical

Mold Stress Relief	70°C for 7 hours
Knockout Test	Remains in place with 20 lb push
Crush	100 lb
Impact	1.2 lb steel ball dropped from 5 ft
Cold Impact	Same as above, after conditioning to -35°C
Strength of Insulating Base and Support	110% of specified tightening torque on terminal screws
Pullout	18 lb pull on internal wires

Environmental

Flammability	V2 or better per UL 94 or CSA 22.2 No 0.6; VO for watertight enclosure
Rain (3R)	Water spray @ 5 psi from all sides for 1 hr
Hosedown (4X)	Water spray @ 65 gal/min for 5 minutes
Gasket Aging	70°C for 168 hours
UV Resistance	Exposed plastic materials are UV stabilized
Operating Temperature	-40°C to +60°C (-40°F to +140°F)
Icing	Switch operational and enclosure undamaged with ¾" ice accumulation

Dimensions for Valox Mechanical Interlock Receptacles

20 AMP Valox

	A	B	C	D	E	*ØF	G	H	J	K	ØL
inch	6.61	4.92	3.70	4.96	6.32	0.26	6.94	5.72	7.77	6.55	0.33
mm	168	125	94	126	161	6.5	176	145	197	166	8.4

30 AMP Valox

inch	6.61	4.92	3.70	5.35	6.46	0.26	6.94	5.72	7.77	6.55	0.33
mm	168	125	94	136	164	6.5	176	145	197	166	8.4

60 AMP Valox

inch	8.11	5.98	5.20	7.17	7.77	0.26	8.00	7.22	8.83	8.05	0.33
mm	206	152	132	182	197	6.5	203	183	224	204	8.4

100 AMP Valox

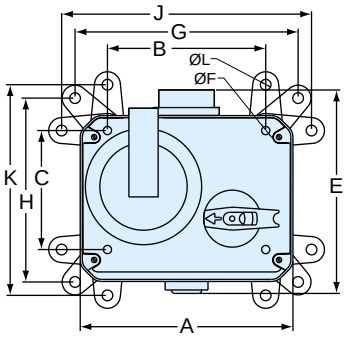
inch	9.06	8.03	17.32	9.45	21.00	0.26	10.05	19.34	10.88	20.17	0.33
mm	230	204	440	240	533	6.5	255	491	276	512	8.4

Dimensions for Cast Aluminum Mechanical Interlock Receptacles

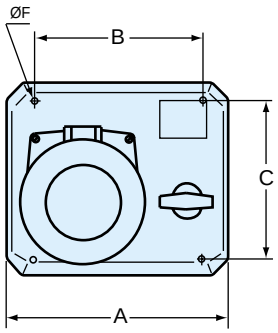
60 AMP Cast Aluminum

	A	B	C	D	E	*ØF	G	H	J	K	ØL
inch	6.50	5.79	6.89	7.20	11.73	0.22	—	—	—	—	—
mm	165	147	175	183	298	5.5	—	—	—	—	—

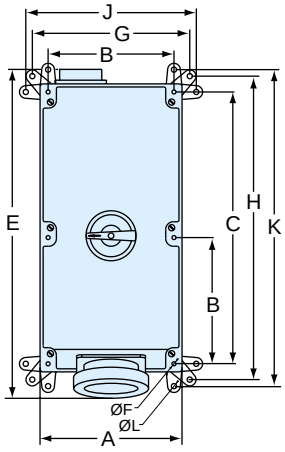
***ØF** shows the diameter of the mounting hole on bottom of the enclosure.
Note: 20A watertight ¾" NPT threaded hub provided
30A watertight 1" NPT threaded hub provided
60A watertight 1½" NPT threaded hub provided
100A watertight 2" NPT threaded hub provided
60A splashproof 1¼" NPT threaded hub provided



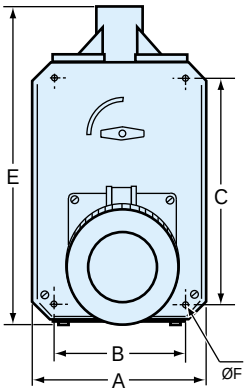
20A, 30A VALOX MI RECEPTACLE



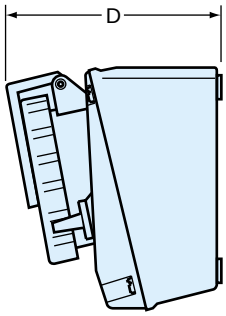
60A VALOX MI RECEPTACLE

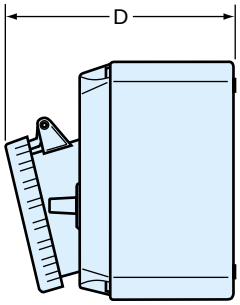


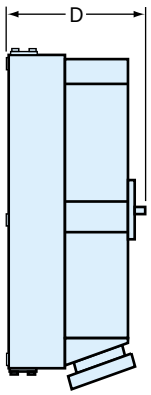
100A VALOX MI RECEPTACLE

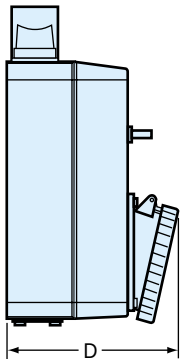


60A CAST ALUMINUM MI RECEPTACLE









Mechanical Interlock Receptacles

IP 67 Watertight Devices (Valox)

360MI7W

330MI6W

AMPS	WIRING	VOLTAGE AC	RECEPTACLE CONFIG.	PLUG CONFIG.	MECHANICAL INTERLOCK	HORSEPOWER RATING	USE PLUG CAT. NO.
20	2p3w	240			320MI6W	5	320P6W
	2p3w	480			320MI7W	10	320P7W
	3p4w	125/250			420MI12W	5	420P12W
	3p4w	3Ø240			420MI9W	10	420P9W
	3p4w	3Ø480			420MI7W	20	420P7W
	3p4w	3Ø600			420MI5W	30	420P5W
	4p5w	3ØY120/208			520MI9W	10	520P9W
	4p5w	3ØY277/480			520MI7W	20	520P7W
	4p5w	3ØY347/600			520MI5W	30	520P5W
30	2p3w	240			330MI6W	5	330P6W
	2p3w	480			330MI7W	10	330P7W
	3p4w	125/250			430MI12W	5	430P12W
	3p4w	3Ø240			430MI9W	10	430P9W
	3p4w	3Ø480			430MI7W	20	430P7W
	3p4w	3Ø600			430MI5W	30	430P5W
	4p5w	3ØY120/208			530MI9W	10	530P9W
	4p5w	3ØY277/480			530MI7W	20	530P7W
	4p5w	3ØY347/600			530MI5W	30	530P5W
60	2p3w	240			360MI6W	7.5	360P6W
	2p3w	480			360MI7W	20	360P7W
	3p4w	125/250			460MI12W	15	460P12W
	3p4w	3Ø240			460MI9W	15	460P9W
	3p4w	3Ø480			460MI7W	30	460P7W
	3p4w	3Ø600			460MI5W	40	460P5W
	4p5w	3ØY120/208			560MI9W	15	560P9W
	4p5w	3ØY277/480			560MI7W	30	560P7W
	4p5w	3ØY347/600			560MI5W	40	560P5W

Pin and Sleeve Devices

Features and Benefits

IP 67 Watertight Mechanical Interlock Receptacles

- Made of rugged Valox 357; carry NEMA 4X and 12K enclosure rating
- 20 & 30 Amp receptacles have nylon contact carrier; 60 & 100 Amp receptacles have reinforced contact carrier
- Versatile lockout/tagout switch handles meet OSHA regulations
- Color-coded spring-loaded lift covers for easy voltage rating identification
- Equipped with grounding terminal plate
- Interlock mechanism prevents live make-break
- Horsepower rated disconnect switch handles large motor loads
- All devices have factory-installed auxiliary contacts

IP 44 Splashproof Mechanical Interlock Receptacles

- Made of sturdy cast aluminum; carry NEMA 3R enclosure rating
- Horsepower rated disconnect switch is designed for heavy duty performance
- Interlock mechanism prevents live make-break
- Versatile devices have a lockout/tagout switch handle
- Equipped with grounding terminal plate
- Color-coded locking cover for easy identification of voltage
- Collar has 1¼" NPT threaded hub

5100MI5W

Mechanical Interlock Receptacles

IP 67 Watertight Devices (Valox)

AMPS	WIRING	VOLTAGE AC	RECEPTACLE CONFIG.	PLUG CONFIG.	MECHANICAL INTERLOCK	HORSEPOWER RATING	USE PLUG CAT. NO.
100	2p3w	240			3100MI6W	15	3100P6W
	2p3w	480			3100MI7W	30	3100P7W
	3p4w	125/250			4100MI12W	*	4100P12W
	3p4w	3Ø240			4100MI9W	25	4100P9W
	3p4w	3Ø480			4100MI7W	50	4100P7W
	3p4w	3Ø600			4100MI5W	60	4100P5W
	4p5w	3ØY120/208			5100MI9W	20	5100P9W
	4p5w	3ØY277/480			5100MI7W	50	5100P7W
	4p5w	3ØY347/600			5100MI5W	60	5100P5W

*Consult Leviton for your specific application.

IP 44 Splashproof Devices (Cast Aluminum)

AMPS	WIRING	VOLTAGE AC	RECEPTACLE CONFIG.	PLUG CONFIG.	MECHANICAL INTERLOCK	HORSEPOWER RATING	USE PLUG CAT. NO.
60	3p4w	125/250			460MI2S	15	460P12W
	3p4w	3Ø240			460MI9S	15	460P9W
	3p4w	3Ø480			460MI7S	30	460P7W
	3p4w	3Ø600			460MI5S	40	460P5W
	4p5w	3ØY120/208			560MI9S	15	560P9W
	4p5w	3ØY277/480			560MI7S	30	560P7W
	4p5w	3ØY347/600			560MI5S	40	560P5W

International-Rated Devices

Leviton offers international-rated pin and sleeve devices available in 16, 32, 63 and 125 amps. These IEC 309-1 and 309-2-compliant devices are ideal for use overseas where voltage and amperage requirements differ from North American standards, but where rigorous performance, quality, and reliability criteria need to be met. Leviton's international-rated devices offer many of the same design features as Leviton's domestic product line. 16, 32 and 63 Amp devices have an environmental classification of splashproof, and 125 Amp devices are classified as watertight. Special watertight versions are available in 16, 32, and 63 Amp ratings.

Ordering Information

*International-Rated Devices**

AMPS	WIRING	VOLTAGE AC	CONNECTOR/ RECEPTACLE	PLUG/ INLET	PLUG	CONNECTOR	RECEPTACLE	INLET
16	2p3w	110			SP316P4	SP316C4	SP316R4	SP316B4
	2p3w	250			SP316P6	SP316C6	SP316R6	SP316B6
	3p4w	380/415			SP416P6	SP416C6	SP416R6	SP416B6
	4p5w	220/380–240/415			SP516P6	SP516C6	SP516R6	SP516B6
32	2p3w	110			SP332P4	SP332C4	SP332R4	SP332B4
	2p3w	250			SP332P6	SP332C6	SP332R6	SP332B6
	3p4w	380/415			SP432P6	SP432C6	SP432R6	SP432B6
	3p4w	3Ø380–3Ø440			432P3WL†	432C3WL†	—	—
	4p5w	220/380–240/415			SP532P6	SP532C6	SP532R6	SP532B6
63	2p3w	250			SP363P6	SP363C6	SP363R6	SP363B6
	3p4w	380/415			SP463P6	SP463C6	SP463R6	SP463B6
	4p5w	220/380 - 240/415			SP563P6	SP563C6	SP563R6	SP563B6
125	2p3w	250			3125P6W	3125C6W	3125R6W	3125B6W
	3p4w	380/415			4125P6W	4125C6W	4125R6W	4125B6W
	4p5w	220/380– 240/415			5125P6W	5125C6W	5125R6W	5125B6W

*****Consult the factory for availability before placing your order. These are specialty order items and are not regularly stocked.
†This device has North American 30 Amp construction and is used in refrigerated-container applications.

IP 44 Splashproof Pin and Sleeve Devices

Leviton Splashproof Pin and Sleeve products comply with IEC 309-1 and 309-2. When splashing liquids and dirt can't be allowed to interfere with reliable, dependable connections in demanding industrial environments, these devices are the ideal choice.

Splashproof devices feature a rugged, insulated thermoplastic housing built to withstand impact. Clean brass pins provide long, reliable service life. Staggered contacts assure first make-last break grounding. Leviton splashproof devices are available in 20, 30 and 60 amp ratings.

When safety, ruggedness, performance, and firm locking are essential — and especially economy — turn to Leviton's Splashproof devices.

Ordering Information

*Splashproof Devices**

AMPS	WIRING	VOLTAGE AC	CONNECTOR/ RECEPTACLE	PLUG/ INLET	PLUG	CONNECTOR	RECEPTACLE	INLET
20	2p3w	125			SP320P4	SP320C4	SP320R4	SP320B4
	2p3w	250			SP320P6	SP320C6	SP320R6	SP320B6
	3p4w	3Ø480			SP420P7	SP420C7	SP420R7	SP420B7
	4p5w	3ØY120/208			SP520P9	SP520C9	SP520R9	SP520B9
30	2p3w	250			SP330P6	SP330C6	SP330R6	SP330B6
	3p4w	3Ø250			SP430P9	SP430C9	SP430R9	SP430B9
	3p4w	3Ø480			SP430P7	SP430C7	SP430R7	SP430B7
60	3p4w	3Ø250			SP460P9	SP460C9	SP460R9	SP460B9
	3p4w	3Ø480			SP460P7	SP460C7	SP460R7	SP460B7
	4p5w	3ØY120/208			SP560P9	SP560C9	SP560R9	SP560B9

*****Consult the factory for availability before placing your order. These are specialty order items and are not regularly stocked.

Dimensions for Cast Aluminum Back Boxes

20 AMP Cast Aluminum

	A	B	C	D	E	F	G	H
inch	5.00	4.25	3.38	4.20	3.63	1.44	1.00	—
mm	127	108	86	107	92	37	25.4	

30 AMP Cast Aluminum

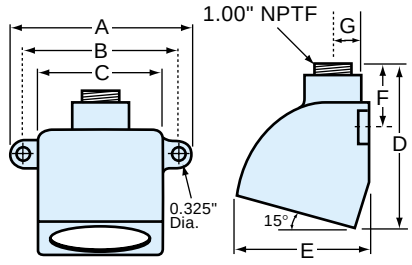
inch	5.00	4.25	3.38	4.20	3.63	1.44	1.00	—
mm	127	108	86	107	92	37	25.4	—

60 AMP Cast Aluminum

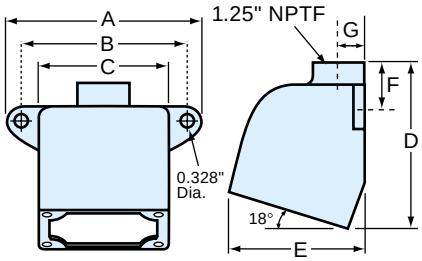
inch	6.38	5.38	4.25	5.50	4.56	1.375	0.9	—
mm	162	137	108	140	116	35	23	—

100 AMP Cast Aluminum

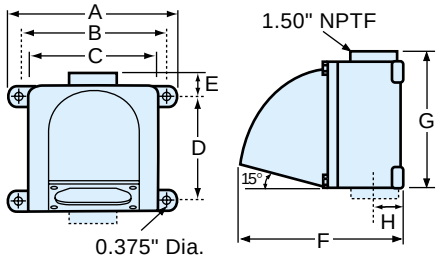
inch	7.81	6.89	5.88	4.88	1.03	8.00	6.38	1.19
mm	198	175	149	124	26	203	162	30



20A, 30A ALUMINUM BACK BOX



60A ALUMINUM BACK BOX



100A ALUMINUM BACK BOX

Dimensions for Thermoplastic Back Boxes

20 AMP Thermoplastic, 2-pole,3-wire

	A	B	C	D	E	F	G	H
inch	2.68	2.21	1.81	3.54	4.02	2.64	½"	0.71
mm	68	56	46	90	102	67	NPTF	18

20 AMP Thermoplastic, 3-pole, 4-wire and 4 pole, 5-wire

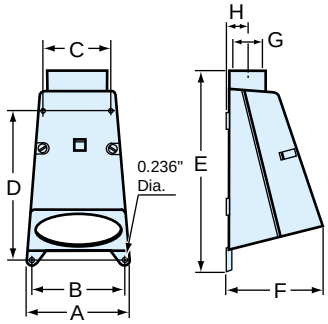
inch	3.50	2.95	1.81	3.94	4.53	3.23	¾"	0.87
mm	89	74	46	100	115	82	NPTF	22

30 AMP Thermoplastic, All

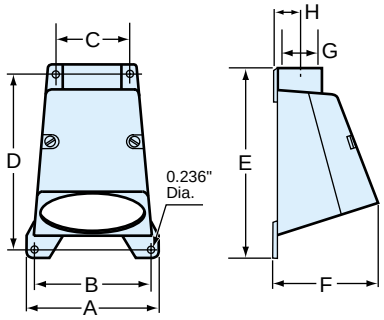
inch	3.50	2.95	1.81	3.94	4.53	3.23	¾"	0.87
mm	89	74	46	100	115	82	NPTF	22

60 AMP Thermoplastic, All

inch	4.37	3.54	2.72	4.84	7.32	4.61	1¼"	1.22
mm	111	90	69	123	186	117	NPTF	31



20A, 30A THERMOPLASTIC BACK BOX



60A THERMOPLASTIC BACK BOX

BB60P

BB30C

BB320C

PLG1

Pin and Sleeve Accessories

Cast Aluminum Back Boxes

APPLICATION	CAT. NO.
20 Amp, 3-wire	BB320C
20 Amp, 4-, 5-wire	BB420C
All 30 Amp	BB30C
All 60 Amp	BB60C
All 100 Amp	BB100C

Thermoplastic Back Boxes

APPLICATION	CAT. NO.
20 Amp, 3-wire	BB320P*
20 Amp, 4-wire	BB420P*
20 Amp, 5-wire	BB520P*
30 Amp, 3-, 4-wire	BB3430P*
30 Amp, 5-wire	BB530P*
All 60 Amp	BB60P

*For use with 20A and 30A Splashproof devices only.

Adapter Kits for Hubbell Back Boxes

APPLICATION	CAT. NO.
20 Amp, 3-wire	AP320H
20 Amp, 4-, 5-wire	AP420H
All 30 Amp	AP30H
All 60 Amp	AP60H
All 100 Amp	AP100H

Adapter Kits for Appleton and Crouse-Hinds Back Boxes

APPLICATION	CAT. NO.
20 Amp, 3 wire	AP320C
20 Amp, 4-, 5-wire	AP420C
All 30 Amp	AP30C
All 60 Amp	AP60C
All 100 Amp	AP100C

Closure Caps

APPLICATION	WATERTIGHT CAT. NO.	SPLASHPROOF CAT. NO.
20 Amp, 3-wire	PC320	SPC320
20 Amp, 4-wire	PC420	SPC420
20 Amp, 5-wire	PC520	SPC520
30 Amp, 3-, 4-wire	PC3430	SPC3430
30 Amp, 5-wire	PC530	SPC530
All 60 Amp	PC60	——
All 100 Amp	PC100	——

Lockout/Tagout for Pin and Sleeve Devices

APPLICATION	CAT. NO.
Can be used for any IEC 309-1 and 309-2 pin and sleeve plugs and connectors	PLG1

Locking Devices

Industrial Specification Grade

Leviton's Industrial Specification Grade Locking Devices are built to provide unparalleled quality and superior performance in the most severe industrial settings. The Leviton line includes a comprehensive selection of rugged plugs and connectors, Wetguard plugs and connectors for water and moisture resistance, flanged inlets and outlets, California-style devices, midget locking devices, power-interrupting devices and non-NEMA devices. Our V-0-MAX™ Locking Flush Receptacles are designed for maximum performance and feature a UL 94 V-0 Flammability Rating, the best flammability rating for a locking flush receptacle available today.

INDUSTRIAL SPECIFICATION GRADE LOCKING DEVICES

Overview ____ **J1**
15 Amp Devices ____ **J2–J4**
20 Amp Devices ____ **J4–J9**
30 Amp Devices ____ **J9–J13**
Wetguard™ Devices
15 Amp ____ **J14**
20 Amp ____ **J14–J15**
30 Amp ____ **J16**
Non-NEMA Devices
15 & 20 Amp ____ **J17**
30 & 50 Amp ____ **J18**
50 Amp Non-NEMA "California Style" CS Devices ____ **J19**
Weather-Resistant Boots ____ **J20**
Power-Interrupting Devices ____ **J21**
Midget Devices ____ **J22**
Combination Locking and Straight Blade Devices ____ **J23**
Integrated Inlets and Outlets with Weather-Resistant Covers ____ **J23**

SECTION J

Locking Devices

Leviton's Industrial Specification Grade Locking Devices are built to provide unparalleled quality and superior performance in the most severe industrial settings. The Locking Devices line represents a broad selection of plugs and connectors, locking receptacles, flanged inlets and outlets, California-style devices, midget locking devices, power interrupting devices, and non-NEMA devices. Leviton combines the best materials available with superior production standards to produce a broad selection of Locking Devices of unmatched flexibility and dependability.

Features and Benefits

- Uncompromising industrial-grade quality for superior performance and long service life
- All industrial locking devices feature heavy-duty, impact-resistant construction
- Plugs and connectors accept wide range of conductors
- Terminals clearly identified on all devices to speed and simplify wiring
- Backed by a Limited 10-Year Warranty

Locking Devices for the Entire Spectrum of Industrial Applications

Locking Plugs and Connectors

Heavy-duty construction for top performance in the environmental extremes of grueling industrial settings.

Cat. No. 4720-C and 4579-C

V-0-MAX™ Locking Flush Receptacles

Engineered for maximum performance with a UL 94 V-0 Flammability Rating.

Cat. No. 2610

Flanged Inlets and Outlets

Built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking.

Cat. No. 2336

Non-NEMA Locking Devices

Provided in selected 20A and 30A versions and a very broad range of 50A devices.

Cat. No. 7411-C

Wetguard™

Specifically developed for wet or damp locations. EPTR thermoplastic rubber body and rugged design resists water, acids, alkalies, grease, oils and solvents.

Cat. No. 24W47

Midget Locking Devices

ML1, ML2 and ML3 Locking devices covering the entire spectrum of industrial applications where restrained space considerations are a factor.

Cat. No. ML1-C

Weather Resistant Boots

Feature triple seal action to protect locking plugs and connectors from the harmful effects of dirt and moisture in harsh operations.

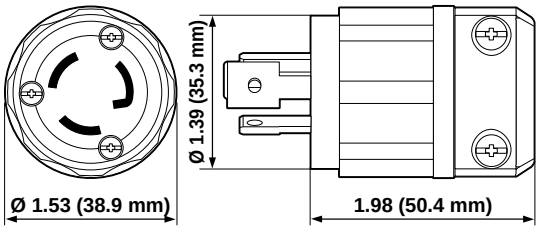
Cat. No. 6034

15 AMP Locking Devices

15 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Dustguard Locking Plug, High Visibility Yellow EPTR Body	2447	.240–.655	12–18	
Dustguard Locking Connector, High Visibility Yellow EPTR Body	2547	.240–.655	12–18	
Duplex Flush Receptacle, Self Grounding, Back and Side Wired	4700			
Duplex Flush Receptacle w/2 Hot Feeds and 1 Neutral Return, Self Grounding, Back and Side Wired	4702-IIR			
Duplex Flush Receptacle w/Split Feed — 2 Hot Feeds and 2 Neutral Returns, Self Grounding, Back and Side Wired	4703-IIR			
Duplex Flush Receptacle, Islolated Ground, Back and Side Wired	4700-IG			
Single Flush Receptacle	4710**			L5-15R
Single Flush Receptacle, w/Short Strap	4710-SS			
Single Flush Receptacle, Isolated Ground	4710-IG**			L5-15P
Single Flush Receptacle, Isolated Ground, w/Short Strap	4710-SIG			
Locking Flanged Outlet	4715-C			
Locking Flanged Inlet	4716-C			
Locking Plug, Black Nylon Body	4720-C	.245–.700	10–18	
Angle Locking Plug, Black Nylon Body	4720-CA	.245–.700	10–18	
Locking Plug, All Black Nylon for Stage and Studio	4720-CB	.245–.700	10–18	
Locking Plug, Yellow Nylon Body	4720-CY	.245–.700	10–18	
Locking Connector, Black Nylon Body	4729-C	.245–.700	10–18	
Locking Connector, All Black Nylon for Stage and Studio	4729-CB	.245–.700	10–18	
Locking Connector, Yellow Nylon Body	4729-CY	.245–.700	10–18	

**Uses stainless steel wallplate, Cat. No. 84004-40. For additional wallplate selections, please see Section G
For Corrosion Resistant Locking Devices, please check pages K2–K5.
Weather-Resistant Boots for 15A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed and CSA certified.



LOCKING PLUG
Cat. No. 4720-C

4720-C

2547

SPECIFICATIONS & FEATURES

- Locking Receptacles feature a complete range of ratings and NEMA configurations, including isolated ground
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings.
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

Dustguard

- IEC IP44 Rated
- Developed to withstand dusty and dirty environments, cracking and fading, temperature extremes
- Rugged wiring modules have high performance single-piece brass triple-wipe contacts, solid brass plug blades
- Self centering cord clamp accepts wide range of conductors, 18-3 SVT to 12-3SO

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed. Spec. Listed WC-596 (File #13393 – Cat. Nos. 2447, 2547, 4716, 4720, 4729; File #13399 – Cat. Nos. 4700, 4710, 4715)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements

Operating Temperature: -40°C to 75°C

15 AMP Locking Devices

15 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Duplex Flush Receptacle, Self Grounding, Back and Side Wired	4550			
Duplex Flush Receptacle, Isolated Ground, Back and Side Wired	4550-IG			
Single Flush Receptacle	4560**			
Single Flush Receptacle, w/Short Strap	4560-SS			
Single Flush Receptacle, Isolated Ground	4560-IG**			L6-15R
Single Flush Receptacle, Isolated Ground, w/Short Strap	4560-SIG			
Locking Plug, Black Nylon Body	4570-C	.245–.700	10–18	L6-15P
Angle Locking Plug, Black Nylon Body	4570-CA	.245–.700	10–18	
Locking Plug, Yellow Nylon Body	4570-CY	.245–.700	10–18	
Locking Connector, Black Nylon Body	4579-C	.245–.700	10–18	
Locking Connector, Yellow Nylon Body	4579-CY	.245–.700	10–18	
Locking Flanged Outlet	4585-C			
Locking Flanged Inlet	4586-C			

15 AMP 277V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Duplex Flush Receptacle, Self Grounding, Back and Side Wired	4750			
Duplex Flush Receptacle, Islolated Ground, Back and Side Wired	4570-IG			
Single Flush Receptacle	4760**			
Single Flush Receptacle, w/Short Strap	4760-SS			
Single Flush Receptacle, Isolated Ground	4760-IG**			L7-15R
Single Flush Receptacle, Isolated Ground, w/Short Strap	4760-SIG			
Locking Plug, Black Nylon Body	4770-C	.245–.700	10–18	L7-15P
Angle Locking Plug, Black Nylon Body	4770-CA	.245–.700	10–18	
Locking Plug, Yellow Nylon Body	4770-CY	.245–.700	10–18	
Locking Connector, Black Nylon Body	4779-C	.245–.700	10–18	
Locking Connector, Yellow Nylon Body	4779-CY	.245–.700	10–18	
Locking Flanged Outlet	4785-C			
Locking Flanged Inlet	4786-C			

**Uses stainless steel wallplate, Cat. No. 84004-40. For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 15A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed and CSA certified.

SPECIFICATIONS & FEATURES

- Locking Receptacles feature a complete range of ratings and NEMA configurations, including isolated ground and non-grounding
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

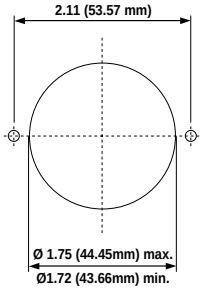
TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 4550, 4560,4585-C, 4750,4760, 4785-C; File #E-13393 — Cat. Nos. 4570, 4579, 4586-C, 4770, 4779, 4786-C)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

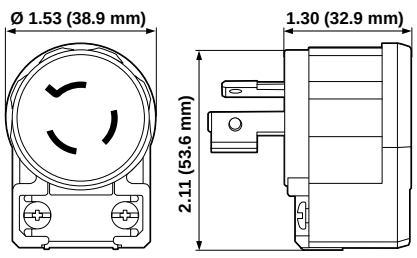
MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements

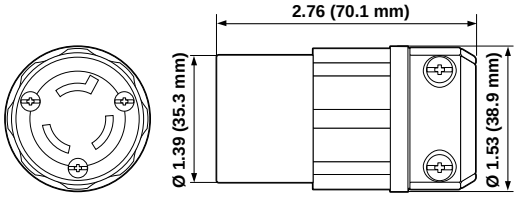
Operating Temperature: -40°C to 75°C



SUGGESTED PANEL OPENING FOR 15A, 20A STRAIGHT BLADE AND 15A LOCKING FLANGED INLETS AND OUTLETS



ANGLE LOCKING PLUG
Cat. No. 4570-CA

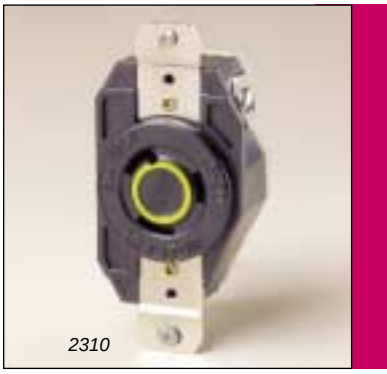


LOCKING CONNECTOR
Cat. No. 4579-C

15 AMP Locking Devices

15 AMP 3Ø 250V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle ★	4870**			
Single Flush Receptacle, w/Short Strap★	4870-SS			L11-15R
Locking Plug, Black Nylon Body★	4880-C	.245–.700	10–18	
Locking Connector, Black Nylon Body★	4889-C	.245–.700	10–18	L11-15P

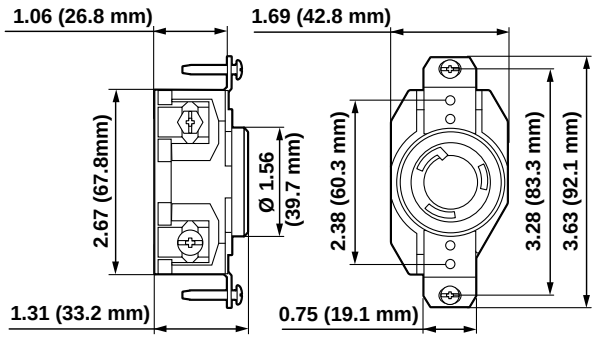


20 AMP Locking Devices

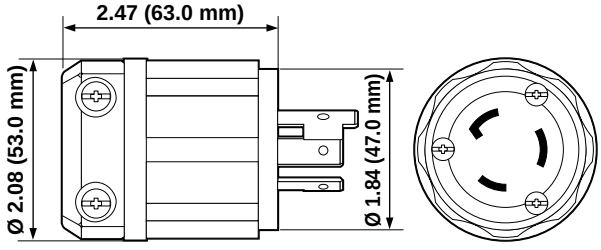
20 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2310†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2310-IG†			
Locking Plug, Black Nylon Body	2311	.385–.780	10–18	
Locking Plug, all Black for Stage and Studio	2311-B	.385–.780	10–18	L5-20R
Locking Plug, Yellow Nylon Body	2311-CY	.385–.780	10–18	
Locking Connector, Black Nylon Body	2313	.385–.780	10–18	
Locking Connector, all Black for Stage and Studio	2313-B	.385–.780	10–18	L5-20P
Locking Connector, Yellow Nylon Body	2313-CY	.385–.780	10–18	
Locking Flanged Inlet	2315			
Locking Flanged Outlet	2316			

**Uses stainless steel wallplate, Cat. No. 84004-40. †Uses stainless steel wallplate, Cat. No. 84020-40.
For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 20A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★



SINGLE LOCKING RECEPTACLE
Cat. No. 2310



LOCKING PLUG
Cat. No. 2311

SPECIFICATIONS & FEATURES

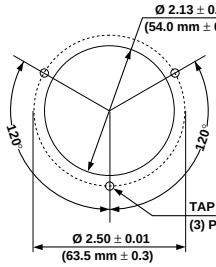
- V-0-MAX™ Locking Receptacles carry a UL 94 V-0 Flammability Rating, the best rating of any material used in Industrial Locking Flush Receptacle available today
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

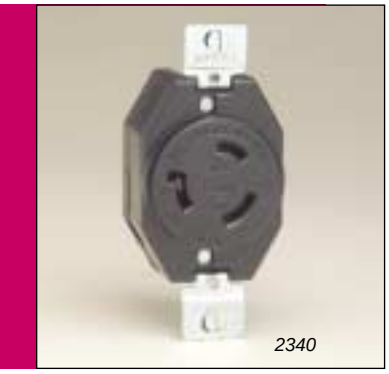
- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 4870, 2310, 2316; File #E-13393 — Cat. Nos. 4880-C, 4889-C, 2311, 2313, 2315)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 3 WIRE INLETS & OUTLETS



2340

2341

SPECIFICATIONS & FEATURES

- V-0-MAX™ Locking Receptacles carry a UL 94 V-0 Flammability Rating, the best rating of any material used in Industrial Locking Flush Receptacle available today
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

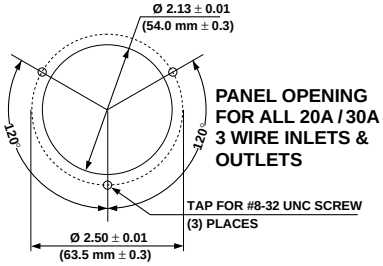
TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 2320, 2326, 2330, 2336, 3720, 3756, 2335, 2340, 2346; File #E-13393 — Cat. Nos. 2321, 2323, 2325, 2331, 2333, 2335, 3721, 3723, 3755, 2341,2343, 2345)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements

Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 3 WIRE INLETS & OUTLETS

20 AMP Locking Devices

20 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2320†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2320-IG†			
Locking Plug, Black Nylon Body	2321	.385–.780	10–18	L6-20R
Locking Plug, Yellow Nylon Body	2321-CY	.385–.780	10–18	
Locking Connector, Black Nylon Body	2323	.385–.780	10–18	L6-20P
Locking Connector, Yellow Nylon Body	2323-CY	.385–.780	10–18	
Locking Flanged Inlet	2325			
Locking Flanged Outlet	2326			

20 AMP 277V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2330†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2330-IG†			L7-20R
Locking Plug, Black Nylon Body	2331	.385–.780	10–18	
Locking Connector, Black Nylon Body	2333	.385–.780	10–18	L7-20P
Locking Flanged Inlet	2335			
Locking Flanged Outlet	2336			

20 AMP 347V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle*	3720†			
Locking Plug, Black Nylon Body*	3721	.385–.780	10–18	L24-20R
Locking Connector, Black Nylon Body*	3723	.385–.780	10–18	
Locking Flanged Inlet*	3755			L24-20P
Locking Flanged Outlet*	3756			

20 AMP 480V 2-Pole 3-Wire Grounding

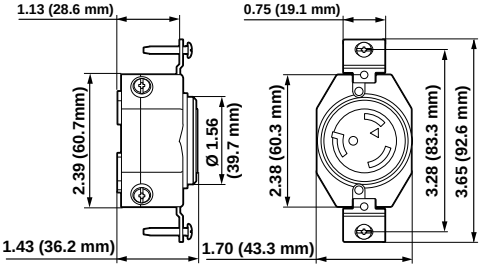
DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2340†			
Single Flush Receptacle, Isolated Ground	2340-IG†			L8-20R
Locking Plug, Black Nylon Body	2341	.385–.780	10–18	
Locking Connector, Black Nylon Body	2343	.385–.780	10–18	L8-20P
Locking Flanged Inlet	2345			
Locking Flanged Outlet	2346			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.

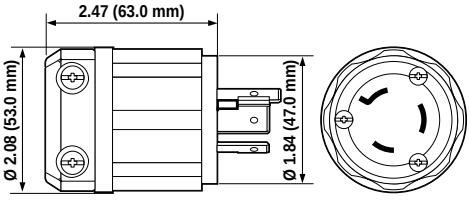
For Corrosion Resistant Locking Devices, please check pages K2–K5

Weather-Resistant Boots for 20A Locking Plugs and Connectors are listed on page J20

All devices are UL Listed except where indicated by*. Also CSA certified.



SINGLE RECEPTACLE, ISOLATED GROUND
Cat. No. 2340-IG



LOCKING PLUG
Cat. No. 2341

20 AMP Locking Devices

20 AMP 600V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2350†			
Single Flush Receptacle, Isolated Ground	2350-IG†			L9-20R
Locking Plug, Black Nylon Body	2351	.385–.780	10–18	
Locking Connector, Black Nylon Body	2353	.385–.780	10–18	L9-20P
Locking Flanged Inlet	2355			
Locking Flanged Outlet	2356			

20 AMP 125/250V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2360†			
Locking Plug, Black Nylon Body★	2361	.385–.780	10–18	L10-20R
Locking Connector, Black Nylon Body★	2363	.385–.780	10–18	
Locking Flanged Inlet★	2365			L10-20P
Locking Flanged Outlet★	2366			

20 AMP 3Ø 250V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2370†			
Locking Plug, Black Nylon Body★	2371	.385–.780	10–18	L11-20R
Locking Connector, Black Nylon Body★	2373	.385–.780	10–18	
Locking Flanged Inlet★	2375			L11-20P
Locking Flanged Outlet★	2376			

20 AMP 3Ø 480V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2380†			
Locking Plug, Black Nylon Body★	2381	.385–.780	10–18	L12-20R
Locking Connector, Black Nylon Body★	2383	.385–.780	10–18	
Locking Flanged Inlet★	2385			L12-20P
Locking Flanged Outlet★	2386			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 20A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★

2371

2376

SPECIFICATIONS & FEATURES

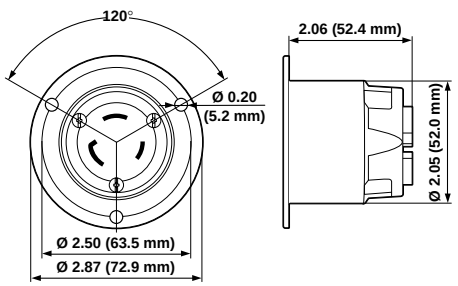
- Locking Receptacles feature a complete range of ratings and NEMA configurations, including isolated ground and non-grounding
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

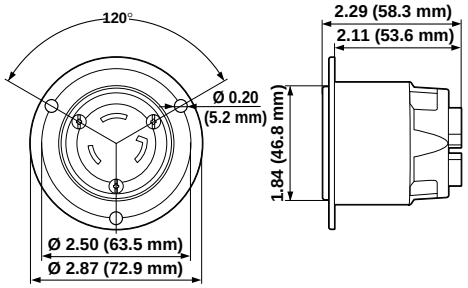
- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 2350, 2356, 2360, 2366, 2370, 2376, 2380, 2386; File #E-13393 — Cat. Nos. 2351, 2353, 2355, 2361, 2363, 2365, 2371, 2373, 2375, 2381, 2383, 2385)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

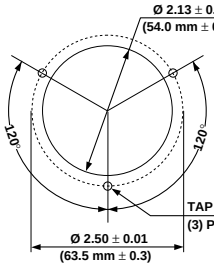
Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



LOCKING FLANGED INLET
Cat. No. 2375



LOCKING FLANGED OUTLET
Cat. No. 2376



PANEL OPENING FOR ALL 20A / 30A 3 WIRE INLETS & OUTLETS

2411

2413

SPECIFICATIONS & FEATURES

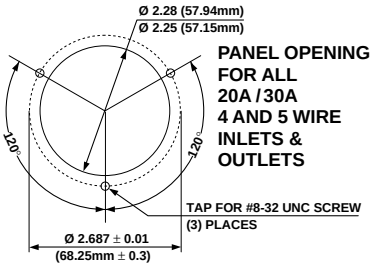
- V-0-MAX™ Locking Receptacles carry a UL 94 V-0 Flammability Rating, the best rating of any material used in Industrial Locking Flush Receptacle available today
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 2410, 2416, 2420, 2426, 2430, 2436, 2440, 2446; File #E-13393 — Cat. Nos. 2411, 2413, 2415, 2421, 2423, 2425, 2431, 2433, 2435, 2441, 2443, 2445)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 4 AND 5 WIRE INLETS & OUTLETS

20 AMP Locking Devices

20 AMP 125/250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2410†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2410-IG†			L14-20R
Locking Plug, Black Nylon Body	2411	.595–.895	10–18	
Locking Connector, Black Nylon Body	2413	.595–.895	10–18	L14-20P
Locking Flanged Inlet	2415			
Locking Flanged Outlet	2416			

20 AMP 3Ø 250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2420†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2420-IG†			L15-20R
Locking Plug, Black Nylon Body	2421	.595–.895	10–18	
Locking Connector, Black Nylon Body	2423	.595–.895	10–18	L15-20P
Locking Flanged Inlet	2425			
Locking Flanged Outlet	2426			

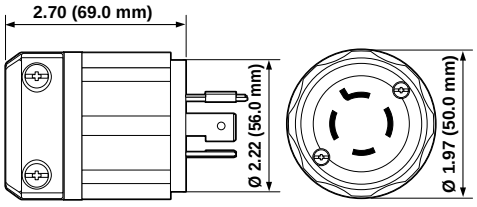
20 AMP 3Ø 480V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2430†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2430-IG†			L16-20R
Locking Plug, Black Nylon Body	2431	.595–.895	10–18	
Locking Connector, Black Nylon Body	2433	.595–.895	10–18	L16-20P
Locking Flanged Inlet	2435			
Locking Flanged Outlet	2436			

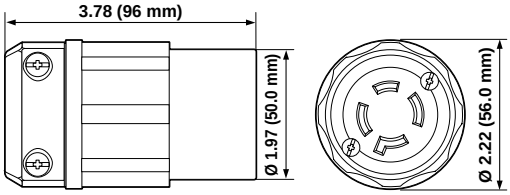
20 AMP 3ØY 120/208V 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2440†			
Locking Plug, Black Nylon Body★	2441	.595–.895	10–18	L18-20R
Locking Connector, Black Nylon Body★	2443	.595–.895	10–18	
Locking Flanged Inlet★	2445			L18-20P
Locking Flanged Outlet★	2446			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 20A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★



LOCKING PLUG
Cat. No. 2411



LOCKING CONNECTOR
Cat. No. 2413

20 AMP Locking Devices

20 AMP 3ØY 277/480V 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2450†			
Locking Plug, Black Nylon Body★	2451	.595–.895	10–18	L19-20R
Locking Connector, Black Nylon Body★	2453	.595–.895	10–18	
Locking Flanged Inlet★	2455			L19-20P
Locking Flanged Outlet★	2456			

20 AMP 3ØY 347/600V 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2460†			
Locking Plug, Black Nylon Body★	2461	.595–.895	10–18	L20-20R
Locking Connector, Black Nylon Body★	2463	.595–.895	10–18	
Locking Flanged Inlet★	2465			L20-20P
Locking Flanged Outlet★	2466			

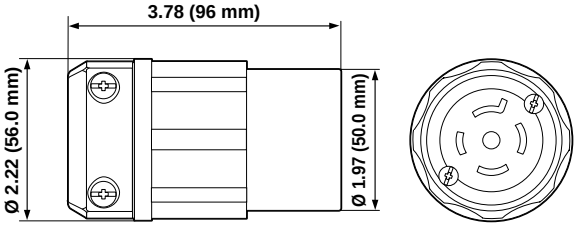
20 AMP 3ØY 120/208V 4-Pole 5-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2510†			
Single Flush Receptacle, Isolated Ground	2510-IG†			L21-20R
Locking Plug, Black Nylon Body	2511	.595–.895	10–18	
Locking Connector, Black Nylon Body	2513	.595–.895	10–18	L21-20P
Locking Flanged Inlet	2515			
Locking Flanged Outlet	2516			

20 AMP 3ØY 277/480V 4-Pole 5-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2520†			
Single Flush Receptacle, Isolated Ground	2520-IG†			L22-20R
Locking Plug, Black Nylon Body	2521	.595–.895	10–18	
Locking Connector, Black Nylon Body	2523	.595–.895	10–18	L22-20P
Locking Flanged Inlet	2525			
Locking Flanged Outlet	2526			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 20A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★



LOCKING CONNECTOR
Cat. No. 2523

2523

2525

SPECIFICATIONS & FEATURES

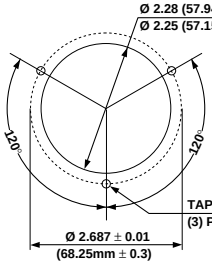
- Locking Receptacles feature a complete range of ratings and NEMA configurations, including isolated ground and non-grounding
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

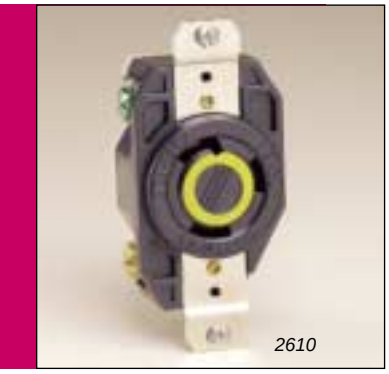
- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed. Spec. Listed WC-596 (File #13399 – Cat. Nos. 2450, 2456, 2460, 2466, 2510, 2516, 2520, 2526; File #13393 – Cat. Nos. 2451, 2453, 2455, 2461, 2463, 2465, 2511, 2513, 2515, 2521, 2523, 2525)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 4 AND 5 WIRE INLETS & OUTLETS



2610

2611

SPECIFICATIONS & FEATURES

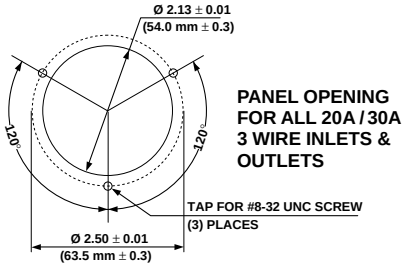
- V-0-MAX™ Locking Receptacles carry a UL 94 V-0 Flammability Rating, the best rating of any material used in Industrial Locking Flush Receptacle available today
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 2530, 2546, 2610, 2616, 2620, 2626F; File #E-13393 — Cat. Nos. 2531, 2533, 2545, 2611, 2613, 2615, 2621, 2623, 2625F)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 3 WIRE INLETS & OUTLETS

20 AMP Locking Devices

20 AMP 3ØY 347/600V 4-Pole 5-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2530†			
Single Flush Receptacle, Isolated Ground	2530-IG†			L23-20R
Locking Plug, Black Nylon Body	2531	.595–.895	10–18	
Locking Connector, Black Nylon Body	2533	.595–.895	10–18	L23-20P
Locking Flanged Inlet	2545			
Locking Flanged Outlet	2546			

30 AMP Locking Devices

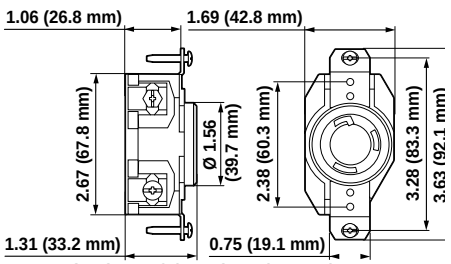
30 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2610†			
V-0-MAX™ Single Flush Receptaclee, Isolated Ground	2610-IG†			
Locking Plug, Black Nylon Body	2611	.385–.860	10–18	
Locking Plug, All Black for Stage and Studio	2611-B	.385–.860	10–18	L5-30R
Locking Plug, Yellow Nylon Body	2611-CY	.385–.860	10–18	
Locking Connector, Black Nylon Body	2613	.385–.860	10–18	L5-30P
Locking Connector, All Black for Stage and Studio	2613-B	.385–.860	10–18	
Locking Connector, Yellow Nylon Body	2613-CY	.385–.860	10–18	
Locking Flanged Inlet	2615			
Locking Flanged Outlet	2616			

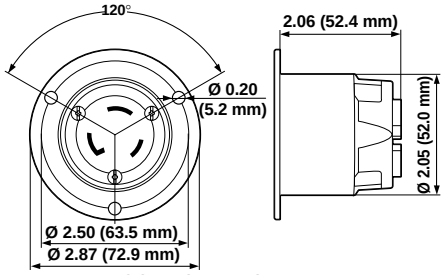
30 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2620†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2620-IG†			
Locking Plug, Black Nylon Body	2621	.385–.860	10–18	
Locking Plug, All Black for Stage and Studio	2621-B	.385–.860	10–18	L6-30R
Locking Plug, Yellow Nylon Body	2621-CY	.385–.860	10–18	
Locking Connector, Black Nylon Body	C2623	.385–.860	10–18	L6-30P
Locking Connector, All Black for Stage and Studio	C2623-B	.385–.860	10–18	
Locking Connector, Yellow Nylon Body	C2623-CY	.385–.860	10–18	
Locking Flanged Inlet	2625F			
Locking Flanged Outlet	2626F			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 30A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed and CSA certified.



SINGLE LOCKING RECEPTACLE
Cat. No. 2610



LOCKING FLANGED INLET
Cat. No. 2615

30 AMP Locking Devices

30 AMP 277V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2630†			
Single Flush Receptacle, Isolated Ground	2630-IG†			L7-30R
Locking Plug, Black Nylon Body	2631	.385–.860	10–18	
Locking Connector, Black Nylon Body	2633	.385–.860	10–18	L7-30P
Locking Flanged Inlet	2635			
Locking Flanged Outlet	2636			

30 AMP 480V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2640†			
Single Flush Receptacle, Isolated Ground	2640-IG†			L8-30R
Locking Plug, Black Nylon Body	2641	.385–.860	10–18	
Locking Connector, Black Nylon Body	2643	.385–.860	10–18	L8-30P
Locking Flanged Inlet	2645			
Locking Flanged Outlet	2646			

30 AMP 600V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2650†			
Single Flush Receptacle, Isolated Ground	2650-IG†			L9-30R
Locking Plug, Black Nylon Body	C2651	.385–.860	10–18	
Locking Connector, Black Nylon Body	C2653	.385–.860	10–18	L9-30P
Locking Flanged Inlet	2655			
Locking Flanged Outlet	2656			

30 AMP 125/250V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2660-A†			
Locking Plug, Black Nylon Body★	2661	.385–.860	10–18	L10-30R
Locking Connector, Black Nylon Body★	2663	.385–.860	10–18	
Locking Flanged Inlet★	2665			L10-30P
Locking Flanged Outlet★	2666			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 30A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★

2661

2663

SPECIFICATIONS & FEATURES

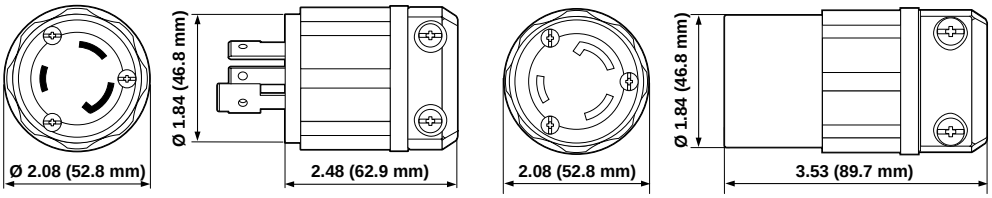
- Locking Receptacles feature a complete range of ratings and NEMA configurations, including isolated ground and non-grounding
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed. Spec. Listed WC-596 (File #E-13399 – Cat. Nos., 2630, 2636, 2640, 2646, 2650, 2656, 2660, 2666; File #E-13393 – Cat. Nos. 2631, 2633, 2635, 2641, 2643, 2645 C2651, C2653, 2655, 2661, 2663, 2665)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

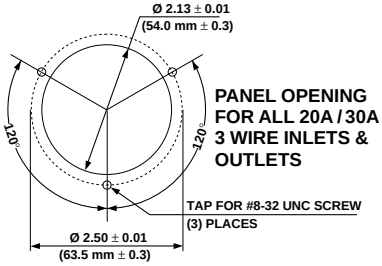
MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C

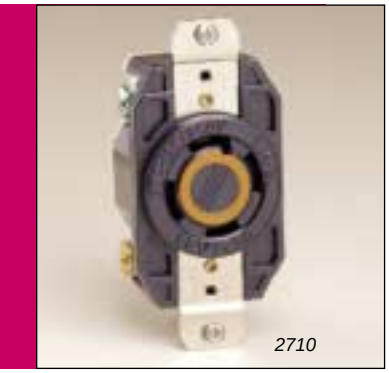


LOCKING PLUG
Cat. No. 2661

LOCKING CONNECTOR
Cat. No. 2663



PANEL OPENING FOR ALL 20A / 30A 3 WIRE INLETS & OUTLETS


2710

2716

SPECIFICATIONS & FEATURES

- V-0-MAX™ Locking Receptacles carry a UL 94 V-0 Flammability Rating, the best rating of any material used in Industrial Locking Flush Receptacle available today
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

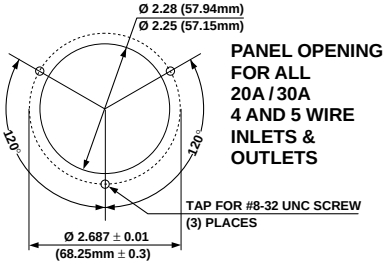
TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed. Spec. Listed WC-596 (File #13399 – Cat. Nos. 2670, 2676, 2680, 2686, 2690, 2696 2710, 2716; File #E-13393 – Cat. Nos., 2671, 2673, 2675, 2681, 2683, 2685, 2691, 2693, 2695, 2711, 2713, 2715)
- CSA Certified (File #LR-406)
- NOM Certified (File #057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements

Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 4 AND 5 WIRE INLETS & OUTLETS

30 AMP Locking Devices

30 AMP 3Ø 250V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2670†			L11-30R
Locking Plug, Black Nylon Body★	2671	.385–.860	10–18	
Locking Connector, Black Nylon Body★	2673	.385–.860	10–18	
Locking Flanged Inlet★	2675			L11-30P
Locking Flanged Outlet★	2676			

30 AMP 3Ø 480V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2680†			L12-30R
Locking Plug, Black Nylon Body★	2681	.385–.860	10–18	
Locking Connector, Black Nylon Body★	2683	.385–.860	10–18	
Locking Flanged Inlet★	2685			L12-30P
Locking Flanged Outlet★	2686			

30 AMP 3Ø 600V 3-Pole 3-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2690†			L13-30R
Locking Plug, Black Nylon Body★	2691	.385–.860	10–18	
Locking Connector, Black Nylon Body★	2693	.385–.860	10–18	
Locking Flanged Inlet★	2695			L13-30P
Locking Flanged Outlet★	2696			

30 AMP 125/250V 3-Pole 4-Wire Grounding

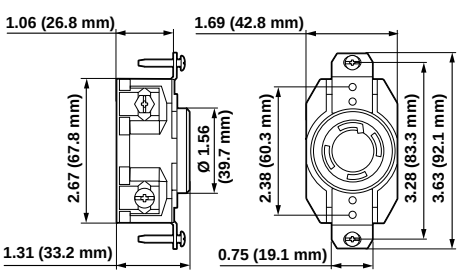
DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2710†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2710-IG†			L14-30R
Locking Plug, Black Nylon Body	2711	.595–1.150	10–18	
Locking Plug, Yellow Nylon Body	2711-CY	.595–1.150	10–18	
Locking Connector, Black Nylon Body	2713	.595–1.150	10–18	L14-30P
Locking Connector, Yellow Nylon Body	2713-CY	.595–1.150	10–18	
Locking Flanged Inlet	2715			
Locking Flanged Outlet	2716			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.

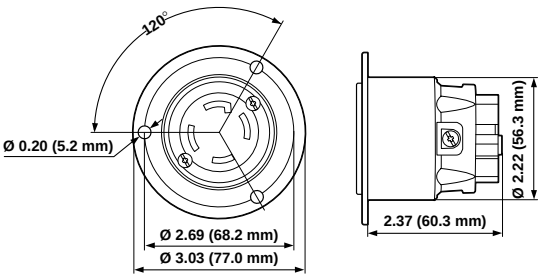
For Corrosion Resistant Locking Devices, please check pages K2–K5

Weather-Resistant Boots for 30A Locking Plugs and Connectors are listed on page J20

All devices are UL Listed. Also CSA certified except where indicated by★



SINGLE RECEPTACLE
Cat. No. 2710



LOCKING FLANGED OUTLET
Cat. No. 2716

30 AMP Locking Devices

30 AMP 3Ø 250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2720†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2720-IG†			L15-30R
Locking Plug, Black Nylon Body	2721	.595–1.150	10–18	
Locking Connector, Black Nylon Body	2723	.595–1.150	10–18	L15-30P
Locking Flanged Inlet	2725			
Locking Flanged Outlet	2726			

30 AMP 3Ø 480V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
V-0-MAX™ Single Flush Receptacle	2730†			
V-0-MAX™ Single Flush Receptacle, Isolated Ground	2730-IG†			L16-30R
Locking Plug, Black Nylon Body	2731	.595–1.150	10–18	
Locking Connector, Black Nylon Body	2733	.595–1.150	10–18	L16-30P
Locking Flanged Inlet	2735			
Locking Flanged Outlet★	2736			

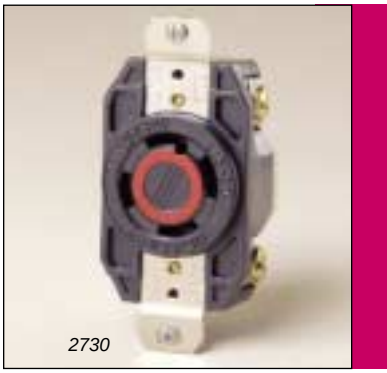
30 AMP 3Ø 600V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2740†			
Single Flush Receptacle, Isolated Ground★	2740-IG†			L17-30R
Locking Plug, Black Nylon Body	2741	.595–1.150	10–18	
Locking Connector, Black Nylon Body	2743	.595–1.150	10–18	L17-30P
Locking Flanged Inlet	2745			
Locking Flanged Outlet	2746			

30 AMP 3ØY 120/208V 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2750†			
Locking Plug, Black Nylon Body★	2751	.595–1.150	10–18	L18-30R
Locking Connector, Black Nylon Body★	2753	.595–1.150	10–18	
Locking Flanged Inlet★	2755			L18-30P
Locking Flanged Outlet★	2756			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 30A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★


2730

2731

SPECIFICATIONS & FEATURES

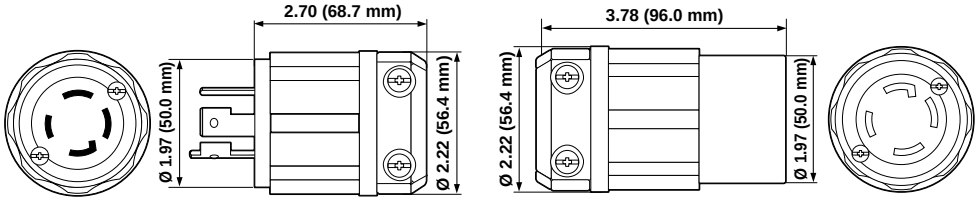
- V-0-MAX™ Locking Receptacles carry a UL 94 V-0 Flammability Rating, the best rating of any material used in Industrial Locking Flush Receptacle available today
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed. Spec. Listed WC-596 (File #E-13399 – Cat. Nos., 2720, 2726, 2730, 2736, 2740, 2746, 2750, 2756; File # E-13393 – Cat. Nos., 2721, 2723, 2725, 2731, 2733, 2735, 2741, 2743, 2745, 2751, 2753, 2755)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

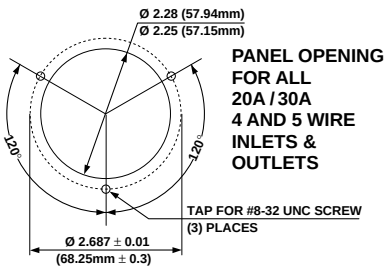
MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



LOCKING PLUG
Cat. No. 2731

LOCKING CONNECTOR
Cat. No. 2733



PANEL OPENING FOR ALL 20A / 30A 4 AND 5 WIRE INLETS & OUTLETS

2761

2763

SPECIFICATIONS & FEATURES

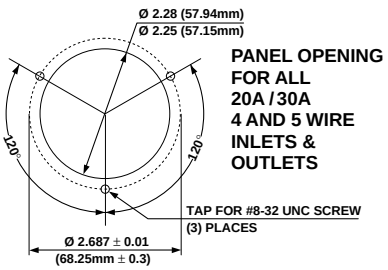
- Locking Receptacles feature a complete range of ratings and NEMA configurations, including isolated ground and non-grounding
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 2760, 2766, 2770, 2776, 2810, 2816, 2820, 2826, 2830, 2836; File #E-13393 — Cat. Nos. 2761, 2763, 2765, 2771, 2773, 2775, 2811, 2813, 2815, 2821, 2823, 2825, 2831, 2833, 2835)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 4 AND 5 WIRE INLETS & OUTLETS

30 AMP Locking Devices

30 AMP 3ØY 277/480V 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2760†			
Locking Plug, Black Nylon Body★	2761	.595–1.150	10–18	L19-30R
Locking Connector, Black Nylon Body★	2763	.595–1.150	10–18	
Locking Flanged Inlet★	2765			L19-30P
Locking Flanged Outlet★	2766			

30 AMP 3ØY 347/600V 4-Pole 4-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle★	2770†			
Locking Plug, Black Nylon Body★	2771	.595–1.150	10–18	L20-30R
Locking Connector, Black Nylon Body★	2773	.595–1.150	10–18	
Locking Flanged Inlet★	2775			L20-30P
Locking Flanged Outlet★	2776			

30 AMP 3ØY 120/208V 4-Pole 5-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2810†			
Single Flush Receptacle, Isolated Ground	2810-IG†			L21-30R
Locking Plug, Black Nylon Body	2811	.595–1.150	10–18	
Locking Connector, Black Nylon Body	2813	.595–1.150	10–18	
Locking Flanged Inlet	2815			L21-30P
Locking Flanged Outlet	2816			

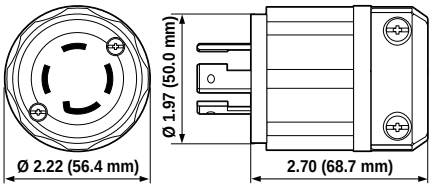
30 AMP 3ØY 277/480V 4-Pole 5-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2820†			
Single Flush Receptacle, Isolated Ground	2820-IG†			L22-30R
Locking Plug, Black Nylon Body	2821	.595–1.150	10–18	
Locking Connector, Black Nylon Body	2823	.595–1.150	10–18	
Locking Flanged Inlet	2825			L22-30P
Locking Flanged Outlet	2826			

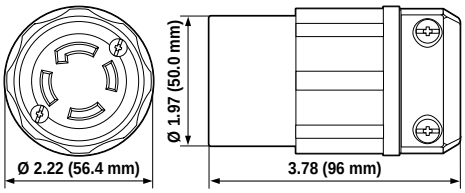
30 AMP 3ØY 347/600V 4-Pole 5-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Single Flush Receptacle	2830†			
Single Flush Receptacle, Isolated Ground	2830-IG			L23-30R
Locking Plug, Black Nylon Body	2831	.595–1.150	10–18	
Locking Connector, Black Nylon Body	2833	.595–1.150	10–18	
Locking Flanged Inlet	2835			L23-30P
Locking Flanged Outlet	2836			

†Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
For Corrosion Resistant Locking Devices, please check pages K2–K5
Weather-Resistant Boots for 30A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★



LOCKING PLUG
Cat. No. 2761



LOCKING CONNECTOR
Cat. No. 2763

INDUSTRIAL SPECIFICATION GRADE

Wetguard™ Devices Engineered to IP66 & IP67 Watertight Standards

Wetguard™ Locking Plugs and Connectors

DESCRIPTION	CAT. NO. PLUG	CAT. NO. CONNECTOR
High-Visibility Yellow, 15A-125V 2-Pole, 3-Wire	24W47 L5-15P	25W47 L5-15R
High-Visibility Yellow, 15A-250V 2-Pole, 3-Wire	24W49 L6-15P	25W49 L6-15R
High-Visibility Yellow, 15A-277V 2-Pole, 3-Wire	24W34 L7-15P	25W34 L7-15R
High-Visibility Yellow, 20A-125V 2-Pole, 3-Wire	26W47 L5-20P	27W47 L5-20R
Black, 20A-125V 2-Pole, 3-Wire	26W47-B L5-20P	27W47-B L5-20R
High-Visibility Yellow, 20A-250V 2-Pole, 3-Wire	26W48 L6-20P	27W48 L6-20R
High-Visibility Yellow, 20A-277V 2-Pole, 3-Wire	26W49 L7-20P	27W49 L7-20R

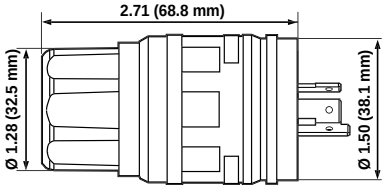
Repacement Closure Cap

DESCRIPTION	CAT. NO.
Replacement Connector Closure Cap for 15A devices	50W50
Replacement Connector Closure Cap for 20A devices	50W52

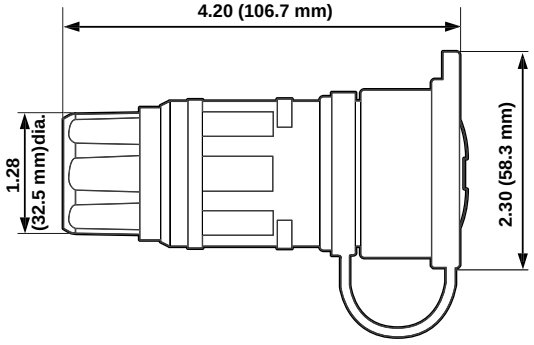
All locking devices are UL Listed and CSA certified.

24W47

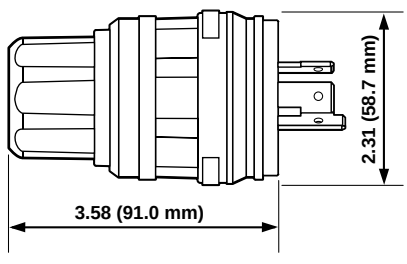
25W47



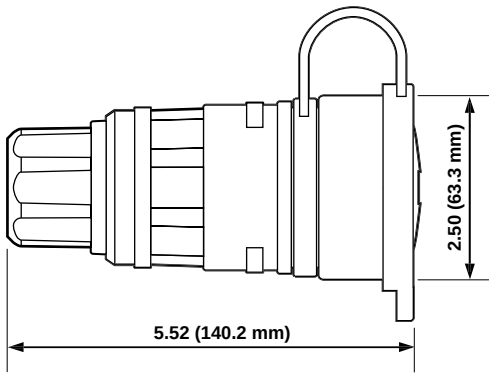
WETGUARD™ 15A LOCKING PLUG



WETGUARD™ 15A LOCKING CONNECTOR



WETGUARD™ 20A LOCKING PLUG



WETGUARD™ 20A LOCKING CONNECTOR

SPECIFICATIONS & FEATURES

Wetguard

- IEC IP66 and IP 67 Rated, in accordance with IEC 529 as evaluated by UL and CSA
- NEMA Type 4, 4X, 6 and 6P Ratings in accordance with UL 50 and CSA 94
- Outstanding resistance to wet and damp environments, extreme temperature variations, acids, alkalis, grease, oils and solvents
- Effective “tongue and groove” construction seals out water, moisture, dirt when plugs are mated with connectors
- Innovative strain-relief grips cables securely, keeps out water and moisture
- Cord clamp range for 15A devices: 18/3–10/3 SO (.375"–.655"). For 20A devices: 18/3–10/5 SO, ST, SJ (.375"–.870")
- Non-magnetic stainless steel fast-threading assembly screws won’t interfere with sensitive equipment
- Connector “hood” closure cap seals device when not in use

TESTING & CODE COMPLIANCE

- Meet NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets Fed. Spec. requirements: (File #13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

Wetguard™ Locking Devices

SPECIFICATIONS & FEATURES

Wetguard

- IEC IP66 and IP 67 Rated, in accordance with IEC 529 as evaluated by UL and CSA
- NEMA Type 4, 4X, 6 and 6P Ratings in accordance with UL 50 and CSA 94
- Outstanding resistance to wet and damp environments, extreme temperature variations, acids, alkalis, grease, oils and solvents
- Effective "tongue and groove" construction seals out water, moisture, dirt when plugs are mated with connectors
- Innovative strain-relief grips cables securely, keeps out water and moisture
- Cord clamp range for 20A devices: 18/3–10/5 SO, ST, SJ (.375"–.870")
- Non-magnetic stainless steel fast-threading assembly screws won't interfere with sensitive equipment
- Connector "hood" closure cap seals device when not in use

TESTING & CODE COMPLIANCE

- Meet NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets Fed. Spec. requirements: (File #13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

Wetguard™ Devices Engineered to IP66 & IP67 Watertight Standards

Wetguard™ Locking Plugs and Connectors

DESCRIPTION	CAT. NO. PLUG	CAT. NO. CONNECTOR
High-Visibility Yellow, 20A-125/250V 3-Pole, 4-Wire	26W74 L14-20P	27W74 L14-20R
High-Visibility Yellow, 20A-3Ø 250V 3-Pole, 4-Wire	26W75 L15-20P	27W75 L15-20R
High-Visibility Yellow, 20A-3Ø 480V 3-Pole, 4-Wire	26W76 L16-20P	27W76 L16-20R
High-Visibility Yellow, 20A-3ØY 120/208V 4-Pole, 5-Wire	26W81 L21-20P	27W81 L21-20R
Black, 20A-3ØY 120/208V 4-Pole, 5-Wire	26W81-B L21-20P	27W81-B L21-20R
High-Visibility Yellow, 20A-3ØY 277/480V 4-Pole, 5-Wire	26W82 L22-20P	27W82 L22-20R
High-Visibility Yellow, 20A-3ØY 347/600V 4-Pole, 5-Wire	26W83 L23-20P	27W83 L23-20R

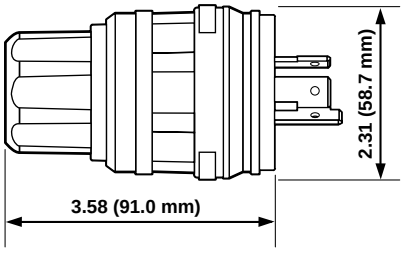
Wetguard™ Non-NEMA, Non-Grounding Devices ***(For Replacement Use Only)***

DESCRIPTION	CAT. NO. PLUG	CAT. NO. CONNECTOR
High-Visibility Yellow, 20A-125/250V 3-Pole, 3-Wire★	26W08 NON-NEMA	27W08 NON-NEMA
High-Visibility Yellow, 20A-3ØY 120/208V 4-Pole, 4-Wire★	26W09 NON-NEMA	27W09 NON-NEMA

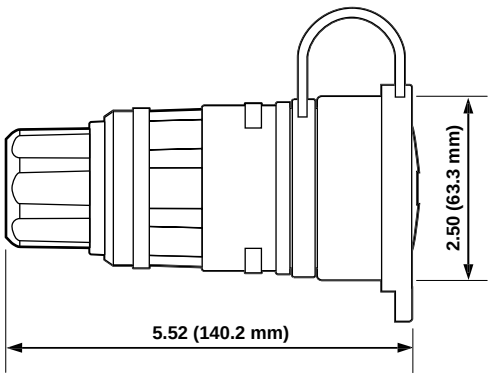
Repacement Closure Cap

DESCRIPTION	CAT. NO.
Replacement Connector Closure Cap for 20A devices	50W52

All locking devices are UL Listed. Also CSA certified except where indicated by★



WETGUARD™ 20A LOCKING PLUG



WETGUARD™ 20A LOCKING CONNECTOR

INDUSTRIAL SPECIFICATION GRADE

Wetguard™ Devices Engineered to IP66 & IP67 Watertight Standards

Wetguard™ Locking Plugs and Connectors

DESCRIPTION	CAT. NO. PLUG	CAT. NO. CONNECTOR
High-Visibility Yellow, 30A-125V 2-Pole, 3-Wire	28W47 L5-30P	29W47 L5-30R
Black, 30A-125V 2-Pole, 3-Wire	28W47-B L5-30P	29W47-B L5-30R
High-Visibility Yellow, 30A-250V 2-Pole, 3-Wire	28W48 L6-30P	29W48 L6-30R
High-Visibility Yellow, 30A-277V 2-Pole, 3-Wire	28W49 L7-30P	29W49 L7-30R
High-Visibility Yellow, 30A-125/250V 3-Pole, 4-Wire	28W74 L14-30P	29W74 L14-30R
High-Visibility Yellow, 30A-3Ø 250V 3-Pole, 4-Wire	28W75 L15-30P	29W75 L15-30R
High-Visibility Yellow, 30A-3Ø 480V 3-Pole, 4-Wire	28W76 L16-30P	29W76 L16-30R
High-Visibility Yellow, 30A-3Ø 600V 3-Pole, 4-Wire	28W77 L17-30P	29W77 L17-30R
High-Visibility Yellow, 30A-3ØY 120/208V 4-Pole, 5-Wire	28W81 L21-30P	29W81 L21-30R
High-Visibility Yellow, 30A-3ØY 277/480V 4-Pole, 5-Wire	28W82 L22-30P	29W82 L22-30R
High-Visibility Yellow, 30A-3ØY 347/600V 4-Pole, 5-Wire	28W83 L23-30P	29W83 L23-30R

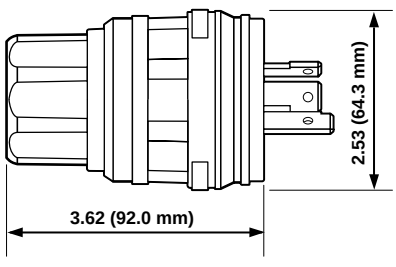
Wetguard™ Non-NEMA, Non-Grounding Devices
(For Replacement Use Only)

DESCRIPTION	CAT. NO. PLUG	CAT. NO. CONNECTOR
High-Visibility Yellow, 30A-125/250V 3-Pole, 3-Wire★	28W08 NON-NEMA	29W08 NON-NEMA
High-Visibility Yellow, 30A-3ØY 120/208V 4-Pole, 4-Wire★	28W09 NON-NEMA	29W09 NON-NEMA

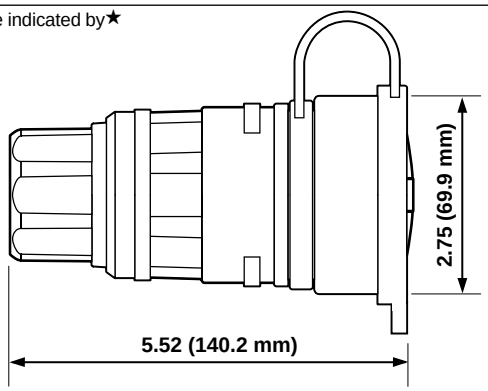
Repacement Closure Cap

DESCRIPTION	CAT. NO.
Replacement Connector Closure Cap for 30A devices	50W54

All locking devices are UL Listed. Also CSA certified except where indicated by★



WETGUARD™ 30A LOCKING PLUG



WETGUARD™ 30A LOCKING CONNECTOR

SPECIFICATIONS & FEATURES

Wetguard

- IEC IP66 and IP 67 Rated, in accordance with IEC 529 as evaluated by UL and CSA
- NEMA Type 4, 4X, 6 and 6P Ratings in accordance with UL 50 and CSA 94
- Outstanding resistance to wet and damp environments, extreme temperature variations, acids, alkalis, grease, oils and solvents
- Effective “tongue and groove” construction seals out water, moisture, dirt when plugs are mated with connectors
- Innovative strain-relief grips cables securely, keeps out water and moisture
- Cord clamp range for 30A devices: 12/3–8/5 SO, ST, SJ (.625"–1.125")
- Non-magnetic stainless steel fast-threading assembly screws won’t interfere with sensitive equipment
- Connector “hood” closure cap seals device when not in use

TESTING & CODE COMPLIANCE

- Meet NEMA WD 1 & 6, ANSI requirements
- UL Listed & meets Fed. Spec. requirements: (File #13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C to 65°C

Non-NEMA Locking Devices

7410-B

7411-C

SPECIFICATIONS & FEATURES

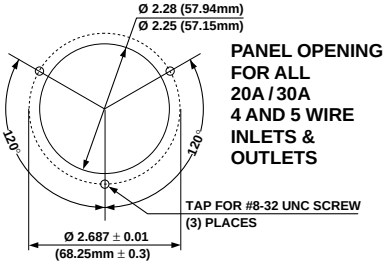
- Locking Receptacles feature a complete range of ratings and Non-NEMA configurations, non-grounding
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 7582, 7557, 3520, 2525-C, 7310-B, 3326-C, 7410-B, 7409-C; File #E-13393 — Cat. Nos. 7567-C, 7565-C, 7556, 3521-C, 3523-C, 3524-C, 9965-C, 7314-C, 3325-C, 7411-C, 7413-C, 7408-C)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 4 AND 5 WIRE INLETS & OUTLETS

15 AMP Non-NEMA Locking Devices

15 AMP 125V/10A-250 3-Pole 3-Wire Non-Grounding Non-NEMA†

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle★	7582**			NON-NEMA
Locking Plug★	7567-C*	.245–.700	10–18	
Locking Connector†★	7565-C*	.245–.700	10–18	
Locking Flanged Inlet★	7556			NON-NEMA
Locking Flanged Outlet★	7557			

†These devices are no longer UL Listed and are for replacement use only. Add (-G) for grounding version.
*Grounding (-G) version not available. For grounding connector, use Cat. No. 7555-G
**Uses stainless steel wallplate, Cat. No. 84004-40.

20 AMP Non-NEMA Locking Devices

20 AMP 250V AC/DC / 10 AMP 600V AC 4-Pole 5-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle★	3520Δ			NON-NEMA
Locking Plug, Black Nylon Body★	3521-C	.595–.895	10–18	
Locking Connector, Black Nylon Body★	3523-C	.595–.895	10–18	
Locking Flanged Inlet★	3524-C			NON-NEMA
Locking Flanged Outlet★	3525-C			

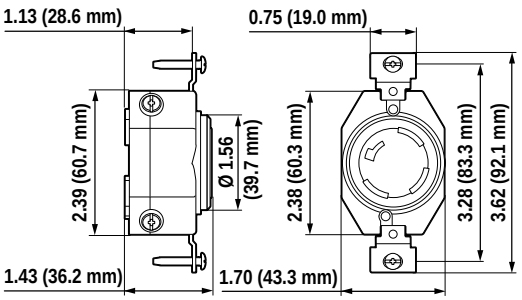
20 AMP, 125V/250V 3-Pole 3-Wire Non-Grounding Non-NEMA††

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle★	7310-BΔ			NON-NEMA
Locking Plug★	9965-C	.385–.780	10–18	
Locking Connector★	7314-C	.385–.780	10–18	
Locking Flanged Inlet★	3325-C			NON-NEMA
Locking Flanged Outlet★	3326-C			

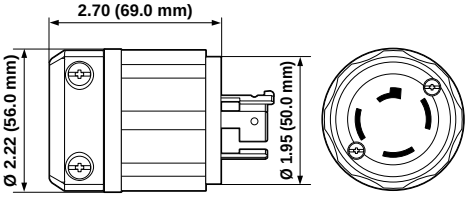
20 AMP 3ØY 120V/208V 4-Pole 4-Wire Non-Grounding Non-NEMA††

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle★	7410-BΔ			NON-NEMA
Locking Plug★	7411-C	.595–.895	10–18	
Locking Connector★	7413-C	.595–.895	10–18	
Locking Flanged Inlet★	7408-C			NON-NEMA
Locking Flanged Outlet★	7409-C			

††Effective July 1, 1981, rating for non-grounding versions was changed from 20A-250V AC/DC, 10A-600V AC to comply with UL requirements. Add (-G) for grounding devices: (-G) devices are rated 20A-250V AC/DC, 10A-600V AC and are no longer UL Listed — for replacement use only.
For Corrosion Resistant Locking Devices, please check pages K2–K5
ΔUses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
Weather-Resistant Boots for 15A & 20A Locking Plugs and Connectors are listed on page J20
All devices are UL Listed. Also CSA certified except where indicated by★



SINGLE RECEPTACLE
Cat. No. 7410-B



LOCKING PLUG
Cat. No. 7411-C

30 AMP Non-NEMA Locking Devices

30 AMP 125V/250 3-Pole 3-Wire Non-Grounding Non-NEMA†

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle★	3330**			
Locking Plug★	3331-C	.385–.860	10–18	
Locking Connector★	3333-C	.385–.860	10–18	
Locking Flanged Inlet★	3334-C			
Locking Flanged Outlet★	3335-C			

NON-NEMA

†Effective July 1, 1981, rating for non-grounding versions was changed from 30A-250V to comply with UL requirements. Add (-G) for grounding devices: (-G) devices are rated 30A-250V and are no longer UL Listed — for replacement use only.

30 AMP 3ØY 120V/208V 4-Pole 4-Wire Non-Grounding Non-NEMA††

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle★	3430**			
Locking Plug★	3431-C	.595–.1.150	10–18	
Locking Connector★	3433-C	.595–.1.150	10–18	
Locking Flanged Inlet★	3434-C			
Locking Flanged Outlet★	3435-C			

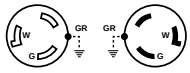
NON-NEMA

††Effective July 1, 1981, rating for non-grounding versions was changed from 30A-250V AC/DC, 30A-600V AC to comply with UL requirements. Add (-G) for grounding devices: (-G) devices are rated 30A-250V AC/DC, 30A-600V AC and are no longer UL Listed — for replacement use only.

50 AMP Non-NEMA Locking Devices

50 AMP 250V DC/600V AC 2-Pole 3-Wire Grounding Non-NEMA

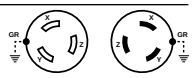
DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	3771*			
Locking Plug★	3763-C	.680–.1.125	10–4	
Locking Connector★	3762-C	.680–.1.125	10–4	
Locking Flanged Inlet★	3777			



NON-NEMA

50 AMP 250V DC/600V AC 3-Pole 4-Wire Grounding Non-NEMA

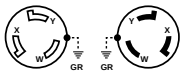
DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	7379*			
Locking Plug★	7765-C	.680–.1.125	10–4	
Locking Connector★	7764-C	.680–.1.125	10–4	



NON-NEMA

50 AMP 250V DC/600V AC 3-Pole 4-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	3769*			
Locking Plug★	3765-C	.680–.1.125	10–4	
Locking Connector★	3764-C	.680–.1.125	10–4	
Locking Flanged Inlet★	3775			

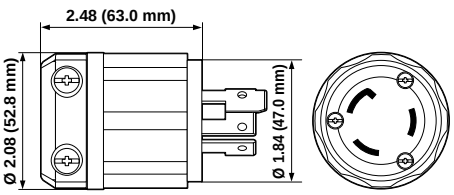


NON-NEMA

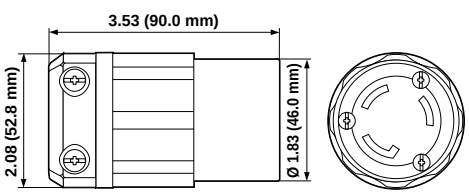
Receptacle Cover

DESCRIPTION	CAT. NO.
Weather-protective die-cast aluminum receptacle cover with lift lid for Cat. Nos. 3769, 3771 and 7379★	7770

*Uses Weatherproof Cover, Cat. No. 7788-CR or 7770.
For Corrosion Resistant Locking Devices, please check pages K2–K5.
Weather-Resistant Boots for 30A Locking Plugs and Connectors are listed on page J20.
**Uses stainless steel wallplate, Cat. No. 84020-40. For additional wallplate selections, please see Section G.
All devices are UL Listed. Also CSA certified except where indicated by★



LOCKING PLUG
Cat. No. 3331-C



LOCKING CONNECTOR
Cat. No. 3333-C

3331-C

3333-C

SPECIFICATIONS & FEATURES

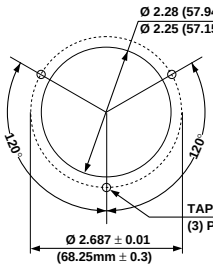
- Locking Receptacles feature a complete range of ratings and Non-NEMA configurations, including isolated ground and non-grounding
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. 3330, 3335-C, 3530, 3535-C, 3771, 7379, 3769; File #E-13393 — Cat. Nos. 3331-C, 3333-C, 3334-C, 3431-C, 3433-C, 3434-C, 3763-C, 3762-C, 3777, 7765-C, 7764-C, 3765-C, 3764-C, 3775)
- CSA Certified (LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C



PANEL OPENING FOR ALL 20A / 30A 4 AND 5 WIRE INLETS & OUTLETS

Non-NEMA Locking Devices

CS63-70

CS63-60C

SPECIFICATIONS & FEATURES

- All-nylon construction that takes punishment and continues to perform
- Patented strain relief that provides maximum holding power
- Tight-fitting gaskets to seal out dust
- Easy identification of ratings
- Color-Coded large wire pockets and terminal screws
- Corrosion-resistant devices feature added plating

TESTING & CODE COMPLIANCE

- Non-NEMA devices meet/exceed UL 498 standards
- UL Fed Spec. Listed WC-596 (File #E-13399 — Cat. Nos. CS63-70, CS82-69, CS63-69, CS83-69, CS84-69, CS81-69; File #E-13393 — Cat. Nos. CS63-61C, CS63-60C, CS63-77, CS82-65C, CS82-64C, CS82-75, CS63-65C, CS63-64C, CS63-75, CS83-65C, CS83-64C, CS83-75, CS84-65C, CS84-64C, CS84-75, CS81-65C, CS81-64C, CS81-75)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

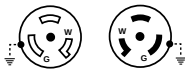
MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements

50 AMP "California Style" CS Non-NEMA Locking Devices

50 AMP 125V 2-Pole 3-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	CS63-70*			
Locking Plug★	CS63-61C	.680–1.125	10–4	
Locking Connector★	CS63-60C	.680–1.125	10–4	
Locking Flanged Inlet★	CS63-77			



NON-NEMA

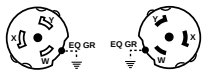
50 AMP 250V 2-Pole 3-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	CS82-69*			
Locking Plug★	CS82-65C	.680–1.125	10–4	
Locking Connector★	CS82-64C	.680–1.125	10–4	
Locking Flanged Inlet★	CS82-75			

NON-NEMA

50 AMP 125/250V 3-Pole 4-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	CS63-69*			
Locking Plug★	CS63-65C	.680–1.125	10–4	
Locking Connector★	CS63-64C	.680–1.125	10–4	
Locking Flanged Inlet★	CS63-75			



NON-NEMA

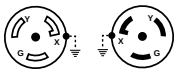
50 AMP 3Ø 250V AC 3-Pole 4-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	CS83-69*			
Locking Plug★	CS83-65C	.680–1.125	10–4	
Locking Connector★	CS83-64C	.680–1.125	10–4	
Locking Flanged Inlet★	CS83-75			

NON-NEMA

50 AMP 480V 2-Pole 3-Wire Grounding Non-NEMA

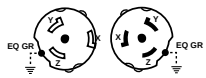
DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	CS84-69*			
Locking Plug★	CS84-65C	.680–1.125	10–4	
Locking Connector★	CS84-64C	.680–1.125	10–4	
Locking Flanged Inlet★	CS84-75			



NON-NEMA

50 AMP 3Ø 480V AC 3-Pole 4-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Locking Receptacle★	CS81-69*			
Locking Plug★	CS81-65C	.680–1.125	10–4	
Locking Connector★	CS81-64C	.680–1.125	10–4	
Locking Flanged Inlet★	CS81-75			



NON-NEMA

*Uses Weatherproof Cover, Cat. No. 7788-CR or 7770.
For Corrosion Resistant Locking Devices, please check pages K2–K5
All devices are UL Listed. Also CSA certified except where indicated by★

Weather-Resistant Boots

Boots for 15 AMP Industrial Locking Plugs and Connectors

DESCRIPTION	CAT. NO.
Locking Plug Boot, Black Thermoplastic Elastomer	6017-L
Locking Plug Boot, High-Visibility Yellow Thermoplastic Elastomer	6017-LY
Locking Connector Boot, Black Thermoplastic Elastomer	6018-L
Locking Connector Boot, High Visibility Yellow Thermoplastic Elastomer	6018-LY

Boots for 3-Wire 20 AMP & 30 AMP Industrial Locking Plugs and Connectors

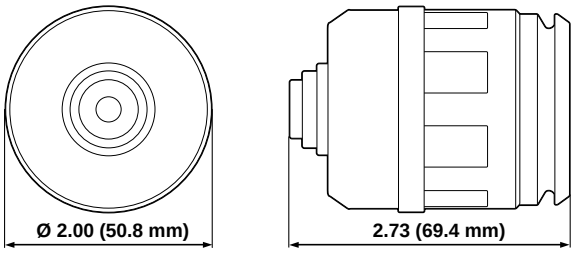
DESCRIPTION	CAT. NO.
3-wire Locking Thermoplastic Elastomer Plug Boot, Black	6031
3-wire Locking Thermoplastic Elastomer Plug Boot, High Visibility Yellow	6031-Y
3-wire Locking Thermoplastic Elastomer Connector Boot, Black	6032
3-wire Locking Thermoplastic Elastomer Connector Boot, High Visibility Yellow	6032-Y

Boots for 4 and 5-Wire 20 AMP & 30 AMP Industrial Locking Plugs and Connectors

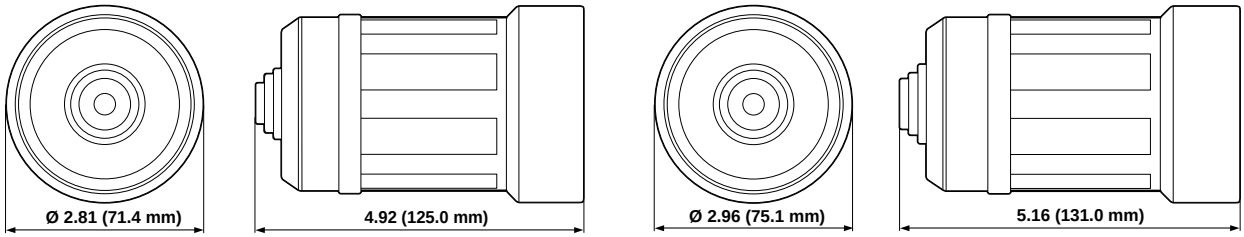
DESCRIPTION	CAT. NO.
4 & 5-wire Locking Thermoplastic Elastomer Plug Boot, black	6033
4 & 5-wire Locking Thermoplastic Elastomer Plug Boot, High Visibility Yellow	6033-Y
4 & 5-wire Locking Thermoplastic Elastomer Connector Boot, black	6034
4 & 5-wire Locking Thermoplastic Elastomer Connector Boot, High Visibility Yellow	6034-Y

6017-LY

6032



LOCKING PLUG BOOT
Cat. No. 6017-L



3-WIRE LOCKING CONNECTOR BOOT
Cat. No. 6032

4 & 5-WIRE LOCKING CONNECTOR BOOT
Cat. No. 6034

SPECIFICATIONS & FEATURES

- Feature a triple seal action to protect straight blade and locking plugs and connectors against dirt and moisture in harsh applications
- Plug and connector boots available in black and high-visibility yellow
- Fluted surface and grip-ring design provide a non-slip grip even in wet conditions

WARRANTY

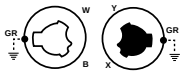
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

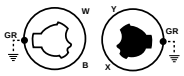
Environmental: Flammability, Rated HB
Operating Temperature: -40°C to 90°C

Locking Power Interrupting Devices

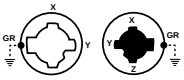
20 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle with a Thermoset body	*23000-HG			 RECEPTACLE
Locking Connector	*23001-HG	.250–.656		
Locking Plug	*23004-HG			

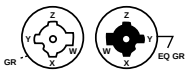
20 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle	23030			 RECEPTACLE
Locking Connector	23031-A	.256–.656		
Locking Plug	23034-A			

30A-600VAC / 20AMP – 250V DC 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Flush Receptacle	20403			 RECEPTACLE
Locking Connector	21414-B	.360–.484		
Locking Plug	21415-B			

30A-600VAC / 20AMP – 250V DC 4-Pole 5-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NON-NEMA CONFIG.
Single Receptacle with Fiberglass Reinforced Nylon Interior with Cast Iron and Steel Shell. Fits FS or FD boxes	25403			 RECEPTACLE
Locking Connector	25414-B	.625–1.0		
Locking Plug	25415-B			

*UL listed for "HOSPITAL USE ONLY" applications in non-hazardous locations
For appropriate wallplates for listed receptacles, please see Section G.
All devices are UL Listed and CSA certified.

SPECIFICATIONS & FEATURES

- Locking power interrupting devices designed for demanding industrial, hospital, and heavy commercial settings
- High impact materials resist cracking in high abuse environments
- Automatic cord clamping provides strong grip for excellent cord retention

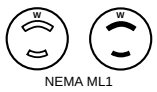
MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements
Operating Temperature: -40°C to 75°C

Midget Locking Devices

15 AMP 125V 2-Pole 2-Wire Non-Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Midget Locking Plug	ML1-P	.218–.43	18–14	
Angle Plug	ML1-AP	.218–.43	18–14	
Midget Locking Connector	ML1-C	.218–.43	18–14	
Angle Connector	ML1-AC	.218–.43	18–14	
Plastic Midget Locking Flanged Inlet	ML1-PB			
Plastic Midget Locking Flanged Outlet	ML1-PER			
Metal Inlet	ML1-MB			
Metal Outlet	ML1-MER			

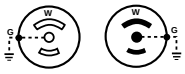


NEMA ML1

ML1-P

15 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Midget Locking Plug	ML2-P	.218–.43	18–14	
Angle Plug	ML2-AP	.218–.43	18–14	
Midget Locking Connector	ML2-C	.218–.43	18–14	
Angle Connector	ML2-AC	.218–.43	18–14	
Plastic Midget Locking Flanged Inlet	ML2-PB			
Plastic Midget Locking Flanged Outlet	ML2-PER			
Metal Inlet	ML2-MB			
Metal Outlet	ML2-MER			



NEMA ML2

ML1-C

15 AMP 125/250V 3-Pole 3-Wire Non-Grounding★

DESCRIPTION	CAT. NO.	CORD DIA. (inches)	WIRE GAUGE (stranded)	NEMA CONFIG.
Midget Locking Plug	ML3-P	.218–.43	18–14	
Angle Plug	ML3-AP	.218–.43	18–14	
Midget Locking Connector	ML3-C	.218–.43	18–14	
Angle Connector	ML3-AC	.218–.43	18–14	
Plastic Midget Locking Flanged Inlet	ML3-PB			
Plastic Midget Locking Flanged Outlet	ML3-PER			
Metal Inlet	ML3-MB			
Metal Outlet	ML3-MER			

NEMA ML3

All devices are UL Listed. Also CSA certified except where indicated by★

SPECIFICATIONS & FEATURES

- Offer a smaller form factor for limited-space applications
- Locking Plugs and Connectors feature heavy-duty construction for top performance in the environmental extremes of grueling industrial settings
- Flanged Inlets and Outlets are built to endure hard use with rugged nylon flanges that assure a smooth, flush fit and outstanding resistance to cracking and breaking

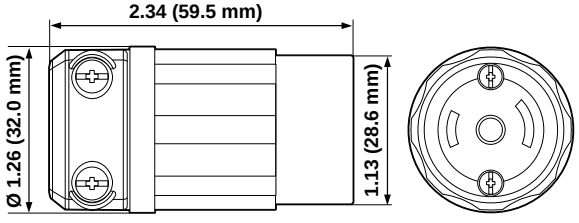
TESTING & CODE COMPLIANCE

- All receptacles, plugs, connectors, inlets and outlets are designed to meet NEMA WD-6, and ANSI C-73, and to meet/exceed UL 498 standards
- UL Fed. Spec. Listed WC-596 (File No. E-13393)
- CSA Certified (File No. LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

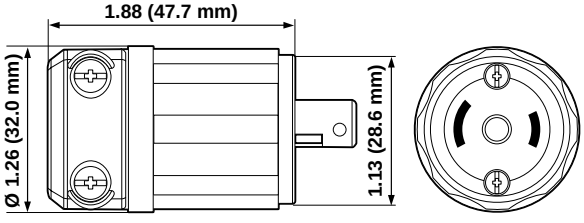
MATERIAL CHARACTERISTICS

Environmental: Flammability per UL94 or CSA C22/06 Requirements

Operating Temperature: -40°C to 75°C

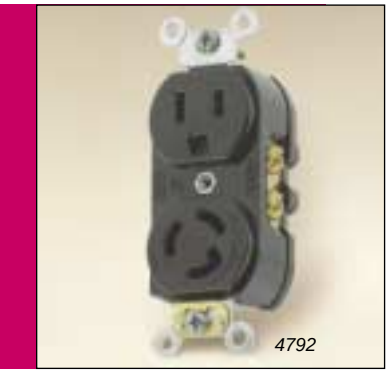


MIDGET LOCKING CONNECTOR
Cat. No. ML2-C



MIDGET LOCKING PLUG
Cat. No. ML2-P

Combination Locking & Straight Blade/Integrated Inlets & Outlets



4792

4716-CWP

Combination Locking and Straight Blade Duplex Receptacle

15 AMP 125V 2-Pole 3-Wire Grounding Back and Side Wired

DESCRIPTION	CAT. NO.	NEMA CONFIG.
Duplex Combination Locking & Straight Blade Receptacle with Common Feed	4792	L5-15R
Duplex Combination Locking & Straight Blade Receptacle with 2 Hot Feeds, 1 Neutral Return	4794-1R	
Duplex Combination Locking & Straight Blade Receptacle with Split Feed — 2 Hot Feeds, 2 Neutral Returns	4795-2R	5-15R

Integrated Power Inlets and Outlets with Weather-Resistant Covers

- Engineered to IP 64 and NEMA 3R Protection Ratings
- Suitable for Industrial Indoor and Outdoor Use

Integrated Power Inlets and Outlets with Weather-Resistant Covers

Gray, Glass-Filled Thermoplastic Cover and White, Nylon Device

DESCRIPTION OUTLET	CAT. NO. FLANGED INLET	CAT. NO. FLANGED
Standard Wire Wells, 15A-125V 2-Pole, 3-Wire	4716-CWP NEMA L5-15P	4715-CWP NEMA L5-15R
Slots for Fork Terminals, 15A-125V 2-Pole, 3-Wire	4716-FWP NEMA L5-15P	4715-FWP NEMA L5-15R
Standard Wire Wells, 15A-250V 2-Pole, 3-Wire	4586-CWP NEMA L6-15P	4585-CWP NEMA L6-15R

All devices are UL Listed and CSA Certified.

Note: For straight blade configurations, please see Section H.

SPECIFICATIONS & FEATURES

Combination Devices

- Impact-resistant black thermoplastic nylon face and body
- Smooth face does not collect dirt
- Large, triple-wipe brass "T" contacts for superior contact and conductivity
- Triple-combination terminal screws
- Back and side wire options accept #10–#14 AWG stranded or solid wire

Integrated Devices

- Glass-filled thermoplastic cover and plate provide outstanding impact resistance and durability
- Dual gaskets, one under plate and one under lid, for weather-resistant fit
- Stainless steel external hardware resists corrosive effects of moisture
- Large thumb-tab makes it easy to open cover with gloved hand
- Mounts to panels or FS/FD boxes
- UL Listed and CSA Certified for wet locations with cover closed

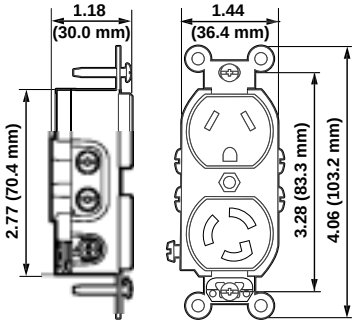
TESTING & CODE COMPLIANCE

Combination Devices

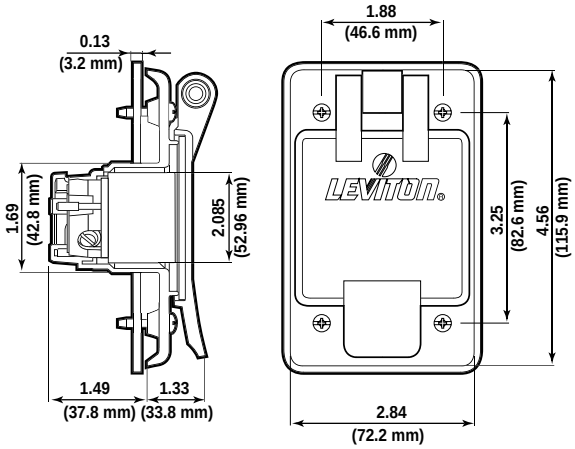
- UL Listed (File #E-13393)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

Integrated Devices

- UL Listed (File #E-13397)
- CSA Certified (File #LR-16347)
- NOM Certified (#057)
- IP 64 Suitability Rating (protected against dust and splashing water)
- NEMA Type 3R Enclosure Rating when properly installed (protected against rain, sleet and damage from external ice formations)
- Backed by a Limited 2-Year Warranty



COMBINATION LOCKING AND STRAIGHT BLADE DUPLEX RECEPTACLE



INTEGRATED LOCKING POWER INLETS AND OUTLETS WITH WEATHER-RESISTANT COVERS

MATERIAL CHARACTERISTICS

Combination Devices

Environmental: Flammability, Rated V2

Operating Temperature: -40°C (without impact) to 60°C maximum continuous

Integrated Devices

Environmental: VO Flammability Rating per UL 94

Operating Temperature: -40°C to 75°C

Single Pole Cam-Type Connectors

CAM CONNECTORS FOR COMMERCIAL AND INDUSTRIAL USE

Overview, Features and Benefits ____ **JJ1**
AMPACITY Chart ____ **JJ2**
Up to 125 AMP
15 Series—Taper Nose ____ **JJ3–JJ5**
Up to 400 AMP
16 Series—Taper Nose ____ **JJ6–JJ20**
18 Series—Ball Nose ____ **JJ21–JJ35**
Up to 690 AMP
17 Series—Taper Nose ____ **JJ36–JJ41**
19 Series—Ball Nose ____ **JJ42–JJ47**
22/23 Series—Latching Ball Nose/ Latching Taper Nose ____ **JJ48–JJ52**

SECTION **JJ**

INDUSTRIAL SPECIFICATION GRADE

LEVITON Building a Connected World

Single Pole Cam-Type Connectors

Cam Connectors for Commercial and Industrial Use

Leviton offers a wide variety of single pin cam-type cable connectors and panel mount receptacles that supply temporary electrical power distribution for multiple indoor and outdoor applications. The heavy-duty connectors are the standard for the following markets:

- ***Entertainment and Movie Industry***
- ***Concerts and Theme Parks***
- ***Carnival Equipment***
- ***Conventions.***

Other applications include:

- ***Motor and Generator Splices***
- ***Mining and Construction Sites***
- ***Commercial and Navy Shipbuilding & Repair***
- ***Other temporary power applications.***

Leviton manufactures the highest quality single pin connectors available. Our connectors are completely compatible with competitive cam-type products and can be retrofitted to existing locations and power distribution systems. We offer a variety of quick connect/disconnect connectors for various amperage ratings in a multitude of cable sizes. Connectors are available in two styles:

- *Field detachable*
- *Vulcanized*

We also offer ball nose and taper nose configurations.

Leviton Cam-Type Connectors

Features and Benefits

- Intermateable and compatible with competitive cam-type products—can be retrofitted to existing locations and power distribution systems
- Locking and reinforcing ring won't melt, break or crack
- Shatter and crack proof—high durometer thermoplastic elastomer (TPE) or neoprene rubber
- Color-coded insulating sleeves—fast and easy phase identification
- Prevents arcing or burning—no movement of contact surfaces
- Self compensating for wear—slit and cam in male contact provides spring action for longer usage
- Quick connect/disconnect—twist and pull provided by double cam male and cam button in female
- High conductivity—positive, vibration-proof connection provided by double cam design
- Wide range of applications—usable with a wide range of cable and amperage ratings
- Meets NEC Code, UL Listed and CSA Certified. NEMA 3R-Rated for use in outside locations

Experience the Difference

Our cam-type connectors are designed for easy assembly and disassembly without special tools. An insulated screw is used to tightly secure the contact inside the insulating sleeve, making assembly, disassembly and field repairs effortless. The connectors use plastic locking and reinforcement rings molded into insulating sleeves and receptacles. Under severe stress and load conditions, plastic locking and reinforcement rings will not melt, break or crack. Other quality differences include:

- Reusable sleeves and contacts
- Preservation of cable length
- Snug fit due to Helox shape of connection as well as cable cutoffs that accommodate a wide range of cable sizes
- Hard thermoplastic elastomer screw head provides strength and durability
- Collar around port provides protection for insulated screw
- Quick check for cable-to-contact connection

Single Pole Cam-Type Connectors

Ampacity Chart

CABLE SIZE	MAXIMUM ALLOWABLE AMPACITIES		
	60°C (140°F) Cable	75°C (167°F) Cable	90°C (194°F) Cable
#8	60	70	80
#6	80	95	105
#4	105	125	125
#3	120	145	165
#2	140	170	190
#1	165	195	220
1/0	195	230	260
2/0	225	265	300
3/0	260	310	350
4/0	300	360	400
250MCM	340	405	455
300MCM	375	445	505
350MCM	420	505	570
400MCM	455	545	615
500MCM	515	620	690

Single Pole Cam-Type Connectors

15 Series — Taper Nose — Up to 125 AMP,* 600V

15D21-E

Male Detachable Plug—Set Screw ***(Cable Size: #8–#4)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	15D21-E	15D21-C	15SDM-48E
White	15D21-W	15D21-C	15SDM-48W
Red	15D21-R	15D21-C	15SDM-48R
Blue	15D21-B	15D21-C	15SDM-48B
Green	15D21-G	15D21-C	15SDM-48G
Yellow	15D21-Y	15D21-C	15SDM-48Y
Orange	15D21-O	15D21-C	15SDM-48O
Brown	15D21-H	15D21-C	15SDM-48H

15D22-E

Female Detachable Plug—Set Screw ***(Cable Size: #8–#4)***

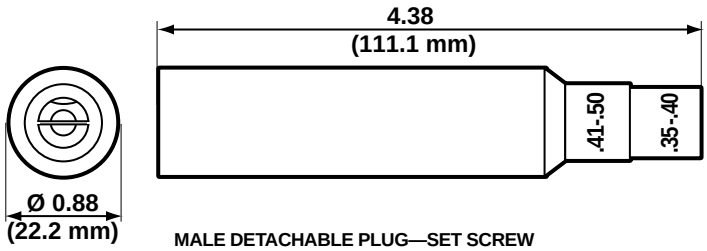
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	15D22-E	15D22-C	15SDF-48E
White	15D22-W	15D22-C	15SDF-48W
Red	15D22-R	15D22-C	15SDF-48R
Blue	15D22-B	15D22-C	15SDF-48B
Green	15D22-G	15D22-C	15SDF-48G
Yellow	15D22-Y	15D22-C	15SDF-48Y
Orange	15D22-O	15D22-C	15SDF-48O
Brown	15D22-H	15D22-C	15SDF-48H

SPECIFICATIONS & FEATURES

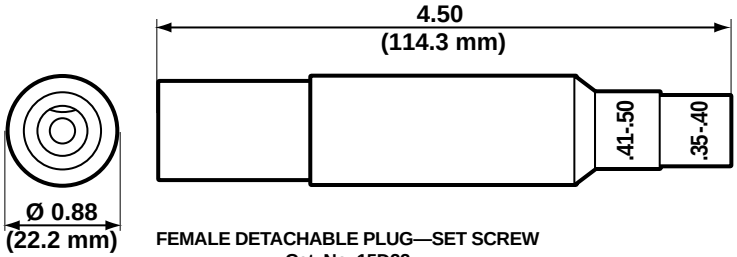
- The 15 Series Taper Nose mini-cam plugs, receptacles and connectors are tough and reliable. Primary applications include carnivals and theme parks, as well as the entertainment industry

TESTING & CODE COMPLIANCE

- UL Listed E-151429
- NEMA 3R-Rated for use in outside locations



MALE DETACHABLE PLUG—SET SCREW
Cat. No. 15D21



FEMALE DETACHABLE PLUG—SET SCREW
Cat. No. 15D22

*Refer to Ampacity Chart for all cable sizes on page JJ2

15 Series — Taper Nose — Up to 125 AMP,* 600V

Male Detachable Plug—Crimped ***(Cable Size: #8–#4)***

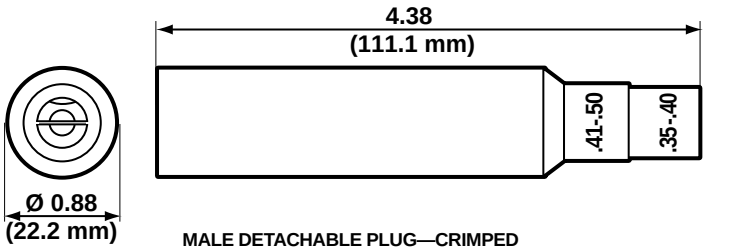
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	15D23-E	15D23-C	15SDM-48E
White	15D32-W	15D23-C	15SDM-48W
Red	15D23-R	15D23-C	15SDM-48R
Blue	15D23-B	15D23-C	15SDM-48B
Green	15D23-G	15D23-C	15SDM-48G
Yellow	15D23-Y	15D23-C	15SDM-48Y
Orange	15D23-O	15D23-C	15SDM-48O
Brown	15D23-H	15D23-C	15SDM-48H

Female Detachable Plug—Crimped ***(Cable Size: #8–#4)***

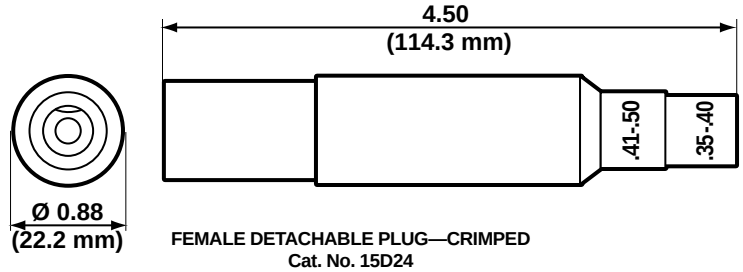
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	15D24-E	15D24-C	15SDF-48E
White	15D24-W	15D24-C	15SDF-48W
Red	15D24-R	15D24-C	15SDF-48R
Blue	15D24-B	15D24-C	15SDF-48B
Green	15D24-G	15D24-C	15SDF-48G
Yellow	15D24-Y	15D24-C	15SDF-48Y
Orange	15D24-O	15D24-C	15SDF-48O
Brown	15D24-H	15D24-C	15SDF-48H

SPECIFICATIONS & FEATURES

- The 15 Series Taper Nose mini-cam plugs, receptacles and connectors are tough and reliable. Primary applications include carnivals and theme parks, as well as the entertainment industry



MALE DETACHABLE PLUG—CRIMPED
Cat. No. 15D23



FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 15D24

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

15 Series — Taper Nose — Up to 125 AMP,* 600V

15R21-R

15P21-E

15A21-G

SPECIFICATIONS & FEATURES

- The 15 Series Taper Nose mini-cam plugs, receptacles and connectors are tough and reliable. Primary applications include carnivals and theme parks, as well as the entertainment industry

TESTING & CODE COMPLIANCE

- UL Listed E-151429
- CSA Certified LR-76878-4
- NEMA 3R-Rated for use in outside locations

Panel Receptacle—Threaded Stud ***(Cable Size: #8–#4)***

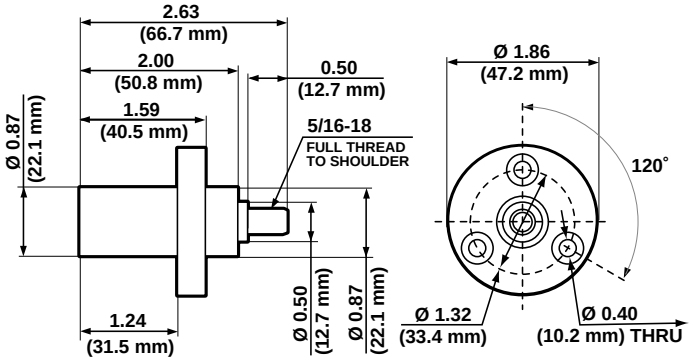
	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	15R21-E	15R22-E
White	15R21-W	15R22-W
Red	15R21-R	15R22-R
Blue	15R21-B	15R22-B
Green	15R21-G	15R22-G
Yellow	15R21-Y	15R22-Y
Orange	15R21-O	15R22-O
Brown	15R21-H	15R22-H

Protective Caps

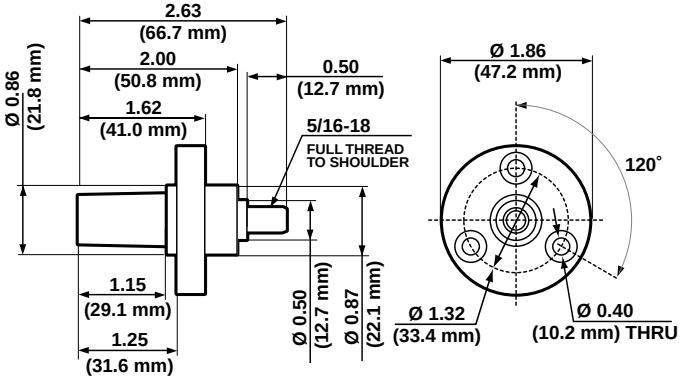
	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	15P21-E	15P22-E

Three-way "T" Connector

	PARALLELING T FEMALE-MALE-MALE	TAPPING T FEMALE-FEMALE-MALE	DOUBLE FEMALE FEMALE-FEMALE
COLOR	CAT. NO.	CAT. NO.	CAT. NO.
Black	15A21-E	15A22-E	15A23-E
White	15A21-W	15A22-W	15A23-W
Red	15A21-R	15A22-R	15A23-R
Blue	15A21-B	15A22-B	15A23-B
Green	15A21-G	15A22-G	15A23-G



MALE PANEL RECEPTACLE TREADED STUD
Cat. No. 15R21



FEMALE PANEL RECEPTACLE TREADED STUD
Cat. No. 15R22

*Refer to Ampacity Chart for all cable sizes on page JJ2

16 Series — Taper Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Single Set Screw ***(Cable Size: #2–2/0)***

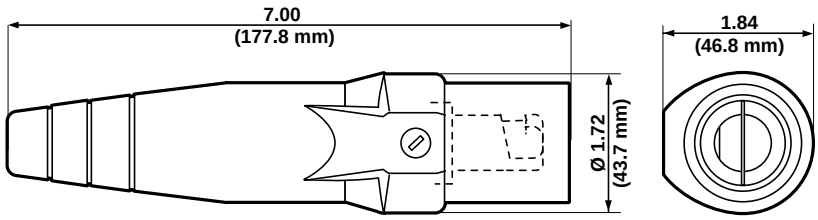
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D21-E	16D21-C	16SDM-22E
White	16D21-W	16D21-C	16SDM-22W
Red	16D21-R	16D21-C	16SDM-22R
Blue	16D21-B	16D21-C	16SDM-22B
Green	16D21-G	16D21-C	16SDM-22G
Yellow	16D21-Y	16D21-C	16SDM-22Y
Orange	16D21-O	16D21-C	16SDM-22O
Brown	16D21-H	16D21-C	16SDM-22H

Female Detachable Plug—Single Set Screw ***(Cable Size: #2–2/0)***

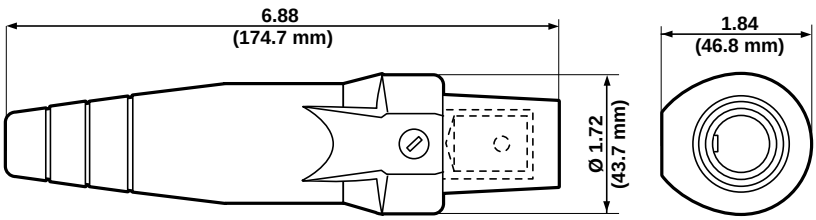
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D29-E	16D29-C	16SDF-22E
White	16D29-W	16D29-C	16SDF-22W
Red	16D29-R	16D29-C	16SDF-22R
Blue	16D29-B	16D29-C	16SDF-22B
Green	16D29-G	16D29-C	16SDF-22G
Yellow	16D29-Y	16D29-C	16SDF-22Y
Orange	16D29-O	16D29-C	16SDF-22O
Brown	16D29-H	16D29-C	16SDF-22H

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 16D21



FEMALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 16D29

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V

16D23-B

Male Detachable Plug—Single Set Screw ***(Cable Size: 1/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D23-E	16D23-C	16SDM-14E
White	16D23-W	16D23-C	16SDM-14W
Red	16D23-R	16D23-C	16SDM-14R
Blue	16D23-B	16D23-C	16SDM-14B
Green	16D23-G	16D23-C	16SDM-14G
Yellow	16D23-Y	16D23-C	16SDM-14Y
Orange	16D23-O	16D23-C	16SDM-14O
Brown	16D23-H	16D23-C	16SDM-14H

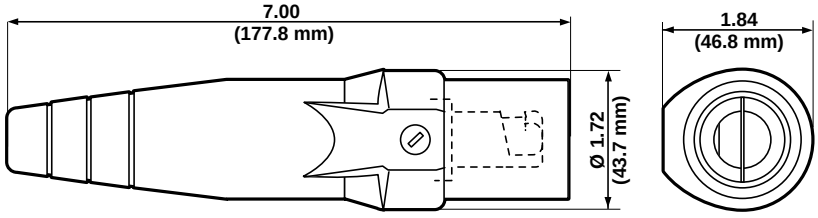
16D32-W

Female Detachable Plug—Single Set Screw ***(Cable Size: 1/0–4/0)***

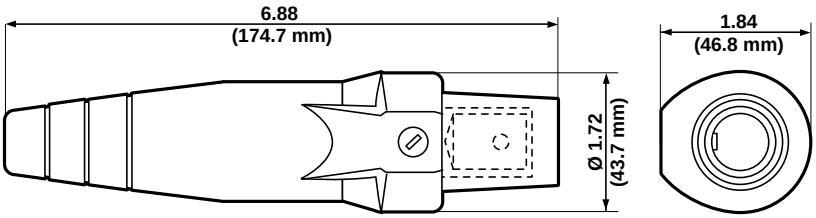
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D32-E	16D32-C	16SDF-14E
White	16D32-W	16D32-C	16SDF-14W
Red	16D32-R	16D32-C	16SDF-14R
Blue	16D32-B	16D32-C	16SDF-14B
Green	16D32-G	16D32-C	16SDF-14G
Yellow	16D32-Y	16D32-C	16SDF-14Y
Orange	16D32-O	16D32-C	16SDF-14O
Brown	16D32-H	16D32-C	16SDF-14H

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 16D23



FEMALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 16D32

*Refer to Ampacity Chart for all cable sizes on page JJ2

16 Series — Taper Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Double Set Screw ***(Cable Size: #2–2/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D22-E	16D22-C	16SDM-22E
White	16D22-W	16D22-C	16SDM-22W
Red	16D22-R	16D22-C	16SDM-22R
Blue	16D22-B	16D22-C	16SDM-22B
Green	16D22-G	16D22-C	16SDM-22G
Yellow	16D22-Y	16D22-C	16SDM-22Y
Orange	16D22-O	16D22-C	16SDM-22O
Brown	16D22-H	16D22-C	16SDM-22H

16D22-E

Female Detachable Plug—Double Set Screw ***(Cable Size: #2–2/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D31-E	16D31-C	16SDF-22E
White	16D31-W	16D31-C	16SDF-22W
Red	16D31-R	16D31-C	16SDF-22R
Blue	16D31-B	16D31-C	16SDF-22B
Green	16D31-G	16D31-C	16SDF-22G
Yellow	16D31-Y	16D31-C	16SDF-22Y
Orange	16D31-O	16D31-C	16SDF-22O
Brown	16D31-H	16D31-C	16SDF-22H

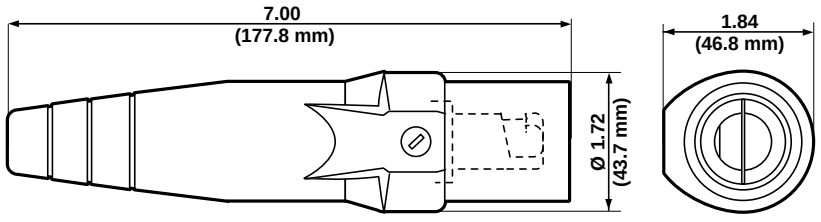
16D31-O

SPECIFICATIONS & FEATURES

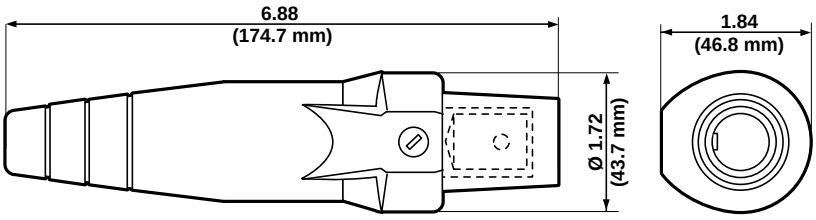
- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.

TESTING & CODE COMPLIANCE

- UL Listed E-151429
- CSA Certified LR-76878-4
- NEMA 3R-Rated for use in outside locations



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 16D22



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 16D31

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V

16D24-Y

Male Detachable Plug—Double Set Screw ***(Cable Size: 1/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D24-E	16D24-C	16SDM-14E
White	16D24-W	16D24-C	16SDM-14W
Red	16D24-R	16D24-C	16SDM-14R
Blue	16D24-B	16D24-C	16SDM-14B
Green	16D24-G	16D24-C	16SDM-14G
Yellow	16D24-Y	16D24-C	16SDM-14Y
Orange	16D24-O	16D24-C	16SDM-14O
Brown	16D24-H	16D24-C	16SDM-14H

16D33-O

Female Detachable Plug—Double Set Screw ***(Cable Size: 1/0–4/0)***

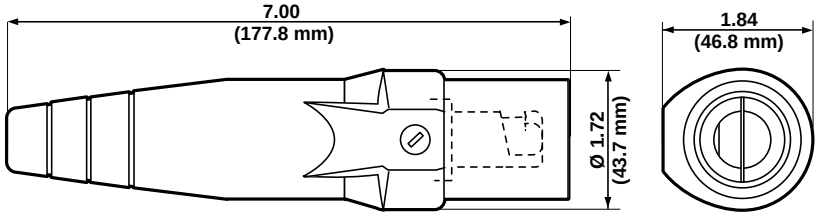
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D33-E	16D33-C	16SDF-14E
White	16D33-W	16D33-C	16SDF-14W
Red	16D33-R	16D33-C	16SDF-14R
Blue	16D33-B	16D33-C	16SDF-14B
Green	16D33-G	16D33-C	16SDF-14G
Yellow	16D33-Y	16D33-C	16SDF-14Y
Orange	16D33-O	16D33-C	16SDF-14O
Brown	16D33-H	16D33-C	16SDF-14H

SPECIFICATIONS & FEATURES

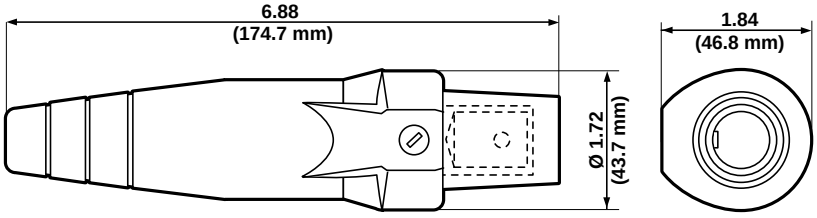
- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.

TESTING & CODE COMPLIANCE

- UL Listed E-151429
- CSA Certified LR-76878-4
- NEMA 3R-Rated for use in outside locations



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 16D24



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 16D33

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Crimped ***(Cable Size: #2–#1)***

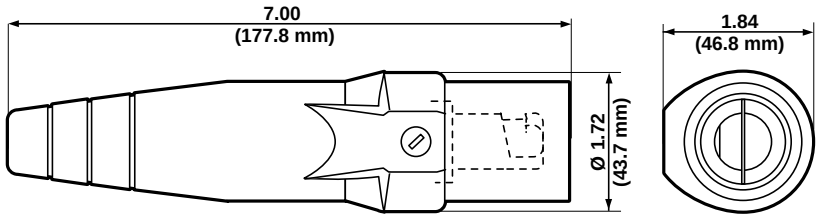
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D25-E	16D25-C	16SDM-22E
White	16D25-W	16D25-C	16SDM-22W
Red	16D25-R	16D25-C	16SDM-22R
Blue	16D25-B	16D25-C	16SDM-22B
Green	16D25-G	16D25-C	16SDM-22G
Yellow	16D25-Y	16D25-C	16SDM-22Y
Orange	16D25-O	16D25-C	16SDM-22O
Brown	16D25-H	16D25-C	16SDM-22H

Female Detachable Plug—Crimped ***(Cable Size: #2–#1)***

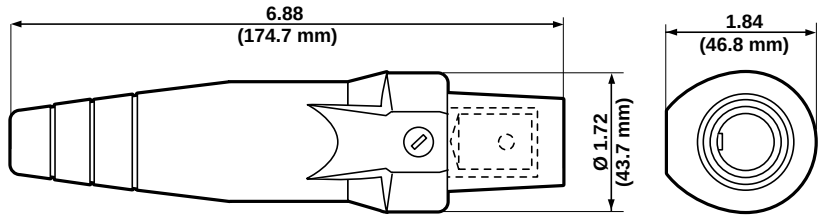
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D34-E	16D34-C	16SDF-22E
White	16D34-W	16D34-C	16SDF-22W
Red	16D34-R	16D34-C	16SDF-22R
Blue	16D34-B	16D34-C	16SDF-22B
Green	16D34-G	16D34-C	16SDF-22G
Yellow	16D34-Y	16D34-C	16SDF-22Y
Orange	16D34-O	16D34-C	16SDF-22O
Brown	16D34-H	16D34-C	16SDF-22H

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D25



FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D34

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

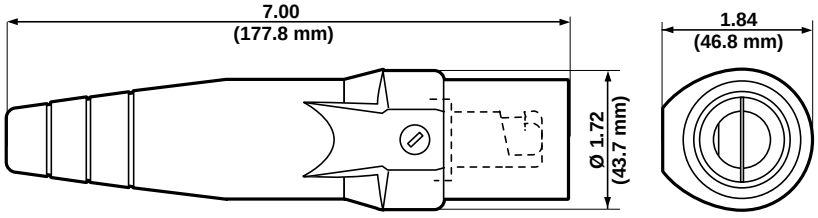
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D26-E	16D26-C	16SDM-22E
White	16D26-W	16D26-C	16SDM-22W
Red	16D26-R	16D26-C	16SDM-22R
Blue	16D26-B	16D26-C	16SDM-22B
Green	16D26-G	16D26-C	16SDM-22G
Yellow	16D26-Y	16D26-C	16SDM-22Y
Orange	16D26-O	16D26-C	16SDM-22O
Brown	16D26-H	16D26-C	16SDM-22H

Female Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

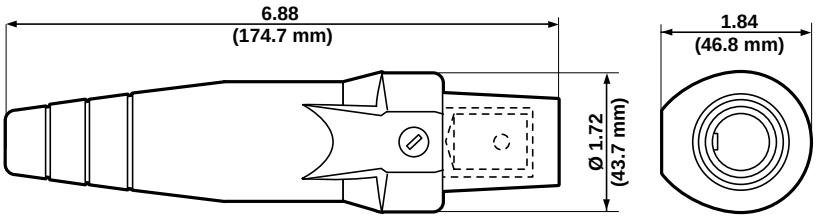
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D35-E	16D35-C	16SDF-22E
White	16D35-W	16D35-C	16SDF-22W
Red	16D35-R	16D35C	16SDF-22R
Blue	16D35-B	16D35-C	16SDF-22B
Green	16D35-G	16D35-C	16SDF-22G
Yellow	16D35-Y	16D35-C	16SDF-22Y
Orange	16D35-O	16D35-C	16SDF-22O
Brown	16D35-H	16D35-C	16SDF-22H

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D26



FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D35

*Refer to Ampacity Chart for all cable sizes on page JJ2

16 Series — Taper Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Crimped ***(Cable Size: 3/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D28-E	16D28-C	16SDM-14E
White	16D28-W	16D28-C	16SDM-14W
Red	16D28-R	16D28-C	16SDM-14R
Blue	16D28-B	16D28-C	16SDM-14B
Green	16D28-G	16D28-C	16SDM-14G
Yellow	16D28-Y	16D28-C	16SDM-14Y
Orange	16D28-O	16D28-C	16SDM-14O
Brown	16D28-H	16D28-C	16SDM-14H

16D28-W

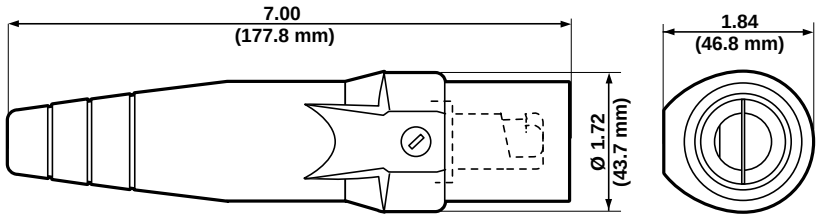
Female Detachable Plug—Crimped ***(Cable Size: 3/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D37-E	16D37-C	16SDF-14E
White	16D37-W	16D37-C	16SDF-14W
Red	16D37-R	16D37-C	16SDF-14R
Blue	16D37-B	16D37-C	16SDF-14B
Green	16D37-G	16D37-C	16SDF-14G
Yellow	16D37-Y	16D37-C	16SDF-14Y
Orange	16D37-O	16D37-C	16SDF-14O
Brown	16D37-H	16D37-C	16SDF-14H

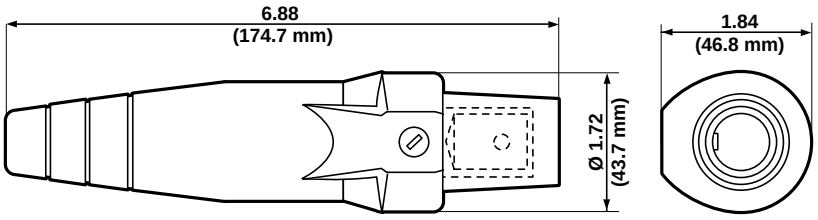
16D37-H

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D28



FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D37

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V

16D27-B

Heavy Duty Male Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D27-E	16D27-C	16SDM-HDE
White	16D27-W	16D27-C	16SDM-HDW
Red	16D27-R	16D27-C	16SDM-HDR
Blue	16D27-B	16D27-C	16SDM-HDB
Green	16D27-G	16D27-C	16SDM-HDG
Yellow	16D27-Y	16D27-C	16SDM-HDY
Orange	16D27-O	16D27-C	16SDM-HDO
Brown	16D27-H	16D27-C	16SDM-HDH

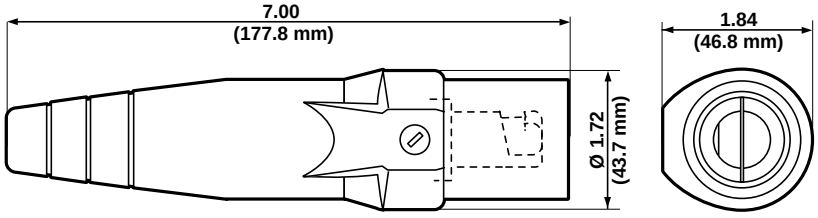
16D36-Y

Heavy Duty Female Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

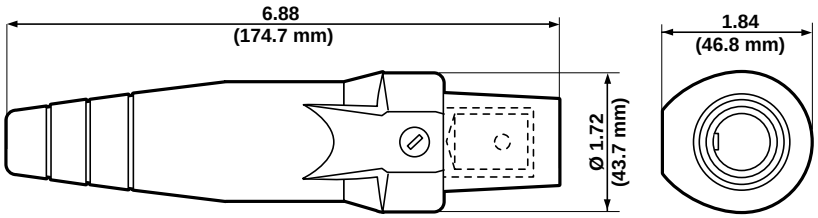
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16D36-E	16D36-C	16SDF-HDE
White	16D36-W	16D36-C	16SDF-HDW
Red	16D36-R	16D36-C	16SDF-HDR
Blue	16D36-B	16D36-C	16SDF-HDB
Green	16D36-G	16D36-C	16SDF-HDG
Yellow	16D36-Y	16D36-C	16SDF-HDY
Orange	16D36-O	16D36-C	16SDF-HDO
Brown	16D36-H	16D36-C	16SDF-HDH

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



HEAVY DUTY MALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D27



HEAVY DUTY FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 16D36

*Refer to Ampacity Chart for all cable sizes on page JJ2

16 Series — Caps and Covers

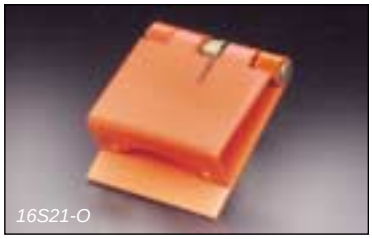
Protective Caps

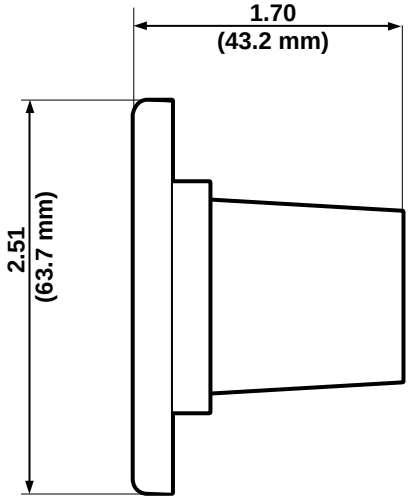
	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	16P21-E	16P22-E
White	16P21-W	16P22-W
Red	16P21-R	16P22-R
Blue	16P21-B	16P22-B
Green	16P21-G	16P22-G
Yellow	16P21-Y	16P22-Y
Orange	16P21-O	16P22-O
Brown	16P21-H	16P22-H

16P22-E

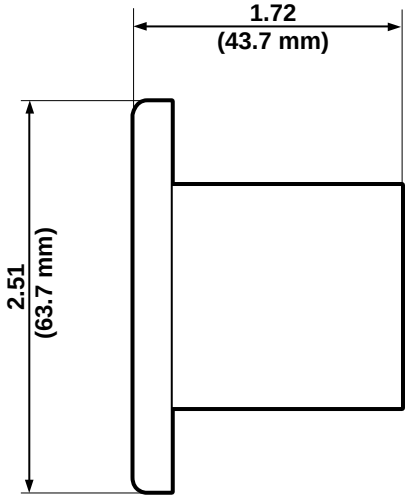
Snap Back Cover—for Male and Female Panel Receptacle

COLOR	CAT. NO.
Black	16S21-E
White	16S21-W
Red	16S21-R
Blue	16S21-B
Green	16S21-G
Yellow	16S21-Y
Orange	16S21-O
Brown	16S21-H


16S21-O



MALE PROTECTIVE CAP
Cat. No. 16P21



FEMALE PROTECTIVE CAP
Cat. No. 16P22

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: #2–#1)***

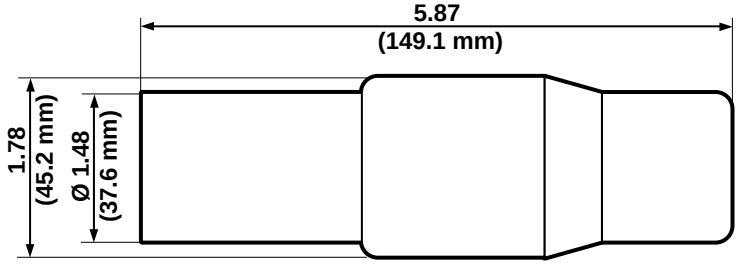
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V21-E	16V21-C	16SVM-21E
White	16V21-W	16V21-C	16SVM-21W
Red	16V21-R	16V21-C	16SVM-21R
Blue	16V21-B	16V21-C	16SVM-21B
Green	16V21-G	16V21-C	16SVM-21G
Yellow	16V21-Y	16V21-C	16SVM-21Y
Orange	16V21-O	16V21-C	16SVM-21O
Brown	16V21-H	16V21-C	16SVM-21H

Female Vulcanized Plug—Crimped ***(Cable Size: #2–#1)***

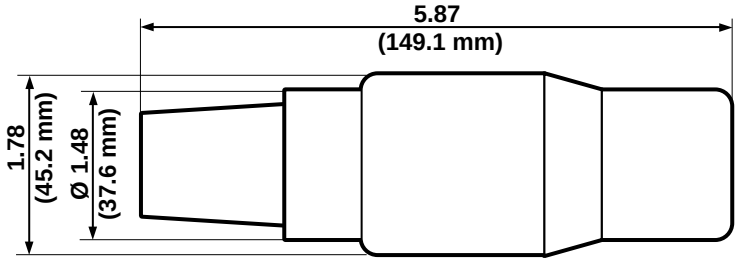
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V25-E	16V25-C	16SVF-21E
White	16V25-W	16V25-C	16SVF-21W
Red	16V25-R	16V25-C	16SVF-21R
Blue	16V25-B	16V25-C	16SVF-21B
Green	16V25-G	16V25-C	16SVF-21G
Yellow	16V25-Y	16V25-C	16SVF-21Y
Orange	16V25-O	16V25-C	16SVF-21O
Brown	16V25-H	16V25-C	16SVF-21H

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V21



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V25

*Refer to Ampacity Chart for all cable sizes on page JJ2

16 Series — **Taper Nose — Up to 400 AMP,* 600V**

Male Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

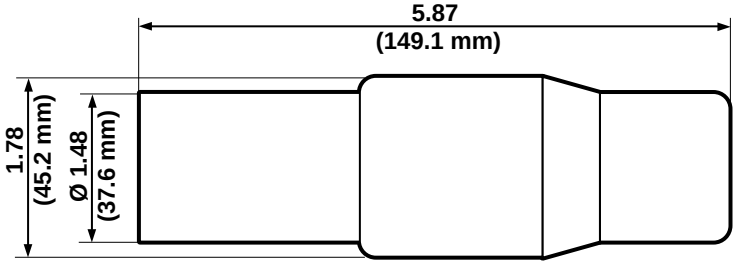
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V22-E	16V22-C	16SVM-12E
White	16V22-W	16V22-C	16SVM-12W
Red	16V22-R	16V22-C	16SVM-12R
Blue	16V22-B	16V22-C	16SVM-12B
Green	16V22-G	16V22-C	16SVM-12G
Yellow	16V22-Y	16V22-C	16SVM-12Y
Orange	16V22-O	16V22-C	16SVM-12O
Brown	16V22-H	16V22-C	16SVM-12H

Female Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

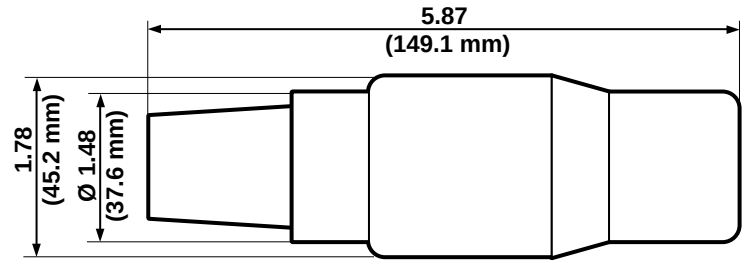
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V26-E	16V26C	16SVF-12E
White	16V26-W	16V26-C	16SVF-12W
Red	16V26-R	16V26-C	16SVF-12R
Blue	16V26-B	16V26-C	16SVF-12B
Green	16V26-G	16V26-C	16SVF-12G
Yellow	16V26-Y	16V26-C	16SVF-12Y
Orange	16V26-O	16V26-C	16SVF-12O
Brown	16V26-H	16V26-C	16SVF-12H

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V22



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V26

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V

Heavy Duty Male Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

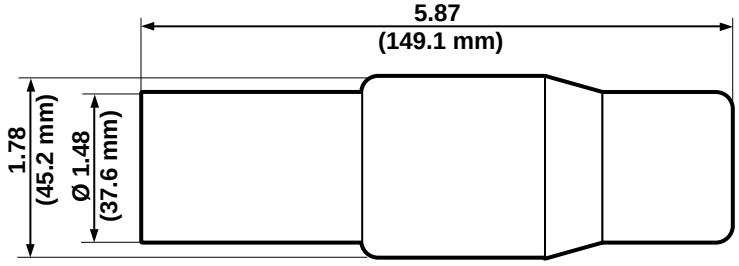
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V23-E	16V23-C	16SVM-HDE
White	16V23-W	16V23-C	16SVM-HDW
Red	16V23-R	16V23-C	16SVM-HDR
Blue	16V23-B	16V23-C	16SVM-HDB
Green	16V23-G	16V23-C	16SVM-HDG
Yellow	16V23-Y	16V23-C	16SVM-HDY
Orange	16V23-O	16V23-C	16SVM-HDO
Brown	16V23-H	16V23-C	16SVM-HDH

Heavy Duty Female Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

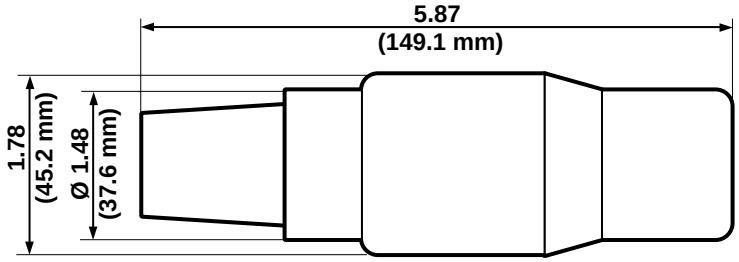
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V27-E	16V27-C	16SVF-HDE
White	16V27-W	16V27-C	16SVF-HDW
Red	16V27-R	16V27-C	16SVF-HDR
Blue	16V27-B	16V27-C	16SVF-HDB
Green	16V27-G	16V27-C	16SVF-HDG
Yellow	16V27-Y	16V27-C	16SVF-HDY
Orange	16V27-O	16V27-C	16SVF-HDO
Brown	16V27-H	16V27-C	16SVF-HDH

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



HEAVY DUTY MALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V23



HEAVY DUTY FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V27

*Refer to Ampacity Chart for all cable sizes on page JJ2

16 Series — Taper Nose — Up to 400 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: 3/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V24-E	16V24-C	16SVM-34E
White	16V24-W	16V24-C	16SVM-34W
Red	16V24-R	16V24-C	16SVM-34R
Blue	16V24-B	16V24-C	16SVM-34B
Green	16V24-G	16V24-C	16SVM-34G
Yellow	16V24-Y	16V24-C	16SVM-34Y
Orange	16V24-O	16V24-C	16SVM-34O
Brown	16V24-H	16V24-C	16SVM-34H

16V24-Y

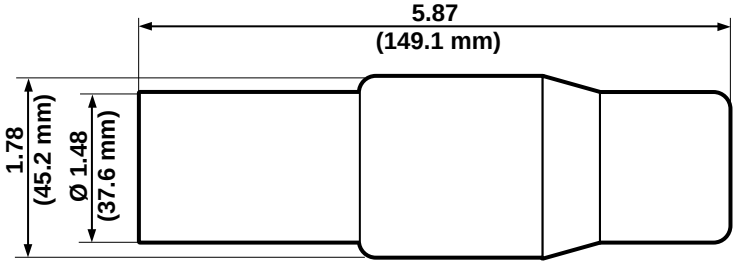
Female Vulcanized Plug—Crimped ***(Cable Size: 3/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	16V28-E	16V28-C	16SVF-34E
White	16V28-W	16V28-C	16SVF-34W
Red	16V28-R	16V28-C	16SVF-34R
Blue	16V28-B	16V28-C	16SVF-34B
Green	16V28-G	16V28-C	16SVF-34G
Yellow	16V28-Y	16V28-C	16SVF-34Y
Orange	16V28-O	16V28-C	16SVF-34O
Brown	16V28-H	16V28-C	16SVF-34H

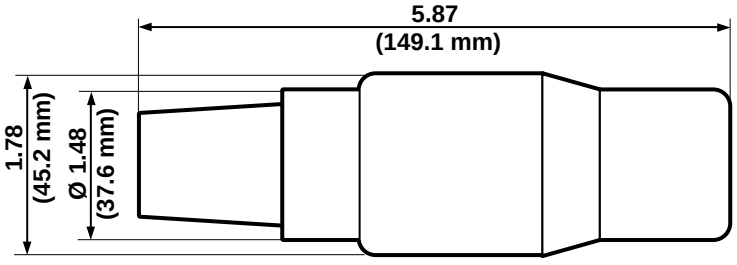
16V28-E

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V24

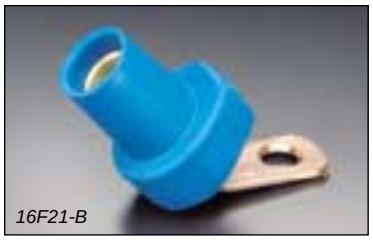


FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 16V28

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

16 Series — Taper Nose — Up to 400 AMP,* 600V


16F21-B

16R21-R

SPECIFICATIONS & FEATURES

- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.

TESTING & CODE COMPLIANCE

(PANEL RECEPTACLES ONLY)

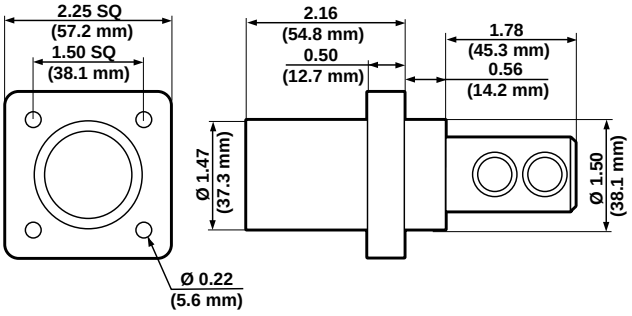
- UL Listed E-151429
- CSA Certified LR-76878-4
- NEMA 3R-Rated for use in outside locations

Female Terminal Connector ***(Cable Size: #2–4/0)***

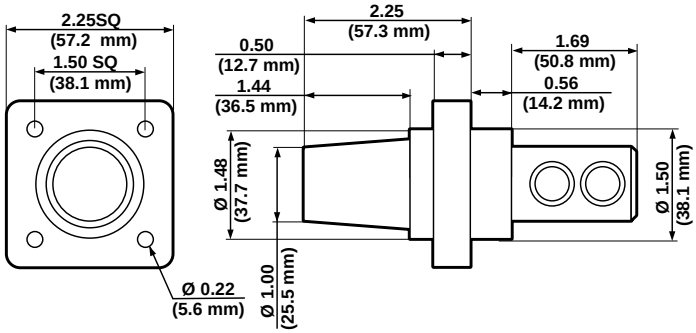
	ANGLE STYLE	OFFSET STYLE
COLOR	CAT. NO.	CAT. NO.
Black	16F21-E	16F22-E
White	16F21-W	16F22-W
Red	16F21-R	16F22-R
Blue	16F21-B	16F22-B
Green	16F21-G	16F22-G
Yellow	16F21-Y	16F22-Y
Orange	16F21-O	16F22-O
Brown	16F21-H	16F22-H

Panel Receptacle

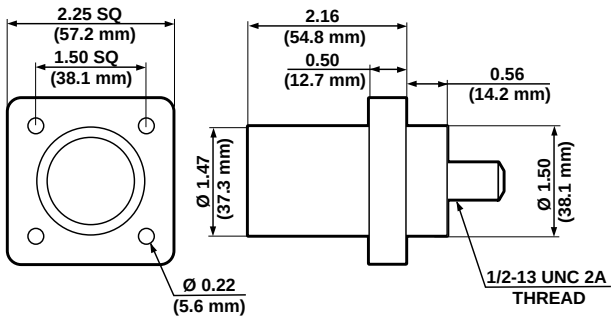
	DOUBLE SET SCREW STYLE (CABLE SIZE: 1/0–4/0)		THREADED STUD STYLE (CABLE SIZE: #2–4/0)	
	MALE	FEMALE	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
Black	16R21-E	16R22-E	16R23-E	16R24-E
White	16R21-W	16R22-W	16R23-W	16R24-W
Red	16R21-R	16R22-R	16R23-R	16R24-R
Blue	16R21-B	16R22-B	16R23-B	16R24-B
Green	16R21-G	16R22-G	16R23-G	16R24-G
Yellow	16R21-Y	16R22-Y	16R23-Y	16R24-Y
Orange	16R21-O	16R22-O	16R23-O	16R24-O
Brown	16R21-H	16R22-H	16R23-H	16R24-H



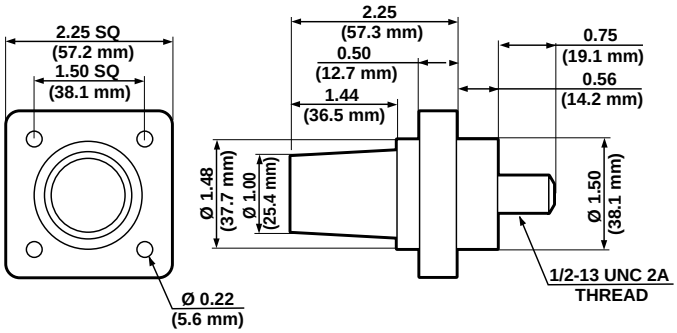
MALE DOUBLE SET SCREW PANEL RECEPTACLE
Cat. No. 16R21



FEMALE DOUBLE SET SCREW PANEL RECEPTACLE
Cat. No. 16R22



MALE THREADED STUD PANEL RECEPTACLE
Cat. No. 16R23



FEMALE THREADED STUD PANEL RECEPTACLE
Cat. No. 16R24

*Refer to Ampacity Chart for all cable sizes on page JJ2

16 Series — **Taper Nose — Up to 400 AMP,* 600V**

Multi-Way Connectors

	PARALLELING TEE **FEMALE–MALE–MALE**	TAPPING TEE **FEMALE–FEMALE–MALE**
COLOR	CAT. NO.	CAT. NO.
Black	16A21-E	16A22-E
White	16A21-W	16A22-W
Red	16A21-R	16A22-R
Blue	16A21-B	16A22-B
Green	16A21-G	16A22-G
Yellow	16A21-Y	16A22-Y
Orange	16A21-O	16A22-O
Brown	16A21-H	16A22-H

16A21-G

Multi-Way Connectors

	3-FER **MALE–FEMALE–FEMALE–FEMALE**	3-FER **FEMALE–MALE–MALE–MALE**
COLOR	CAT. NO.	CAT. NO.
Black	16A23-E	16A26-E
White	16A23-W	16A26-W
Red	16A23-R	16A26-R
Blue	16A23-B	16A26-B
Green	16A23-G	16A26-G
Yellow	16A23-Y	16A26-Y
Orange	16A23-O	16A26-O
Brown	16A23-H	16A26-H

16A23-E

Multi-Way Connectors

	DOUBLE FEMALE **FEMALE–FEMALE**	DOUBLE MALE **MALE–MALE**
COLOR	CAT. NO.	CAT. NO.
Black	16A24-E	16A25-E
White	16A24-W	16A25W
Red	16A24-R	16A25-R
Blue	16A24-B	16A25-B
Green	16A24-G	16A25-G
Yellow	16A24-Y	16A25-Y
Orange	16A24-O	16A25-O
Brown	16A24-H	16A25-H

16A24-W

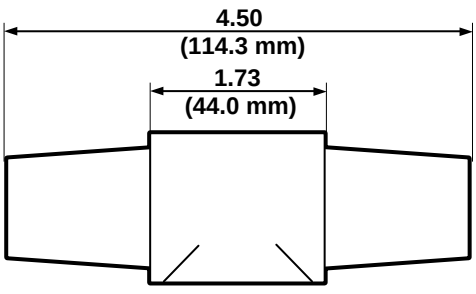
*Available in various threaded stud lengths
**The 400-ampere connectors are UL Listed when used with 4/0, 90˚ C or 105˚ C cable

SPECIFICATIONS & FEATURES

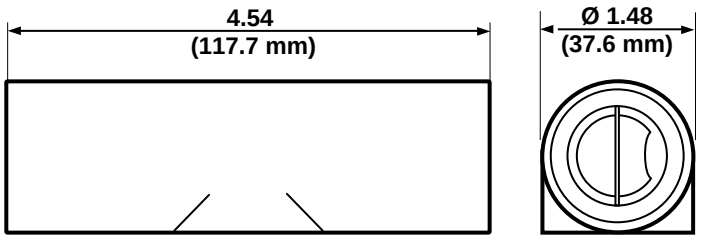
- Leviton ECT 16 Series Taper Nose products are the connectors of choice for concerts, sound stages, movie making, television production, sporting events and conventions.

TESTING & CODE COMPLIANCE

- UL Listed E-151429
- CSA Certified LR-76878-4
- NEMA 3R-Rated for use in outside locations



MULTI-WAY CONNECTOR—FEMALE TO FEMALE—Cat. No. 16A24



MULTI-WAY CONNECTOR—MALE TO MALE—Cat. No. 16A25

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Single Set Screw ***(Cable Size: #2–2/0)***

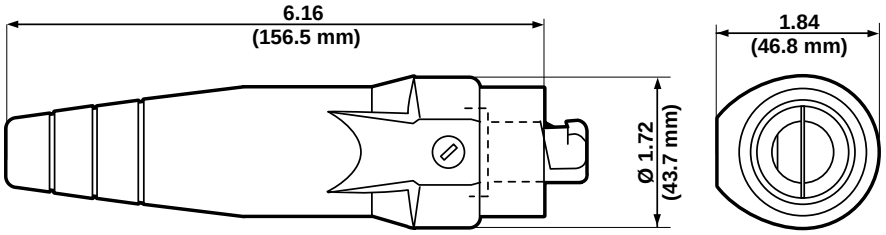
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D21-E	18D21-C	18SDM-22E
White	18D21-W	18D21-C	18SDM-22W
Red	18D21-R	18D21-C	18SDM-22R
Blue	18D21-B	18D21-C	18SDM-22B
Green	18D21-G	18D21-C	18SDM-22G
Yellow	18D21-Y	18D21-C	18SDM-22Y
Orange	18D21-O	18D21-C	18SDM-22O
Brown	18D21-H	18D21-C	18SDM-22H

Female Detachable Plug—Single Set Screw ***(Cable Size: #2–2/0)***

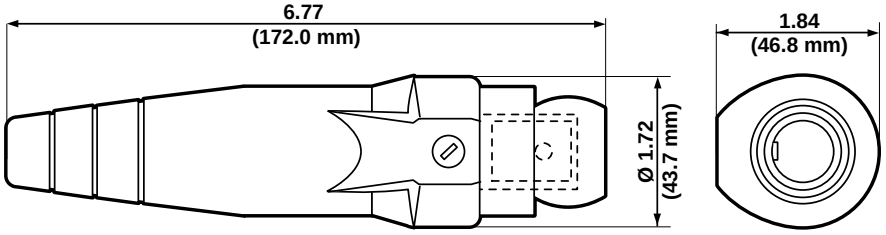
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D29-E	18D29-C	18SDF-22E
White	18D29-W	18D29-C	18SDF-22W
Red	18D29-R	18D29-C	18SDF-22R
Blue	18D29-B	18D29-C	18SDF-22B
Green	18D29-G	18D29-C	18SDF-22G
Yellow	18D29-Y	18D29-C	18SDF-22Y
Orange	18D29-O	18D29-C	18SDF-22O
Brown	18D29-H	18D29-C	18SDF-22H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 18D21



FEMALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 18D29

*Refer to Ampacity Chart for all cable sizes on page JJ2

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Single Set Screw ***(Cable Size: 1/0–4/0)***

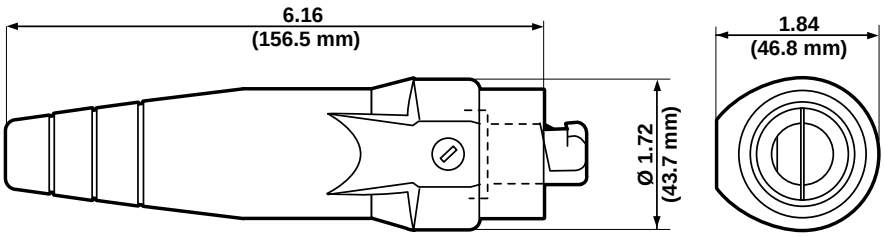
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D23-E	18D23-C	18SDM-14E
White	18D23-W	18D23-C	18SDM-14W
Red	18D23-R	18D23-C	18SDM-14R
Blue	18D23-B	18D23-C	18SDM-14B
Green	18D23-G	18D23-C	18SDM-14G
Yellow	18D23-Y	18D23-C	18SDM-14Y
Orange	18D23-O	18D23-C	18SDM-14O
Brown	18D23-H	18D23-C	18SDM-14H

Female Detachable Plug—Single Set Screw ***(Cable Size: 1/0–4/0)***

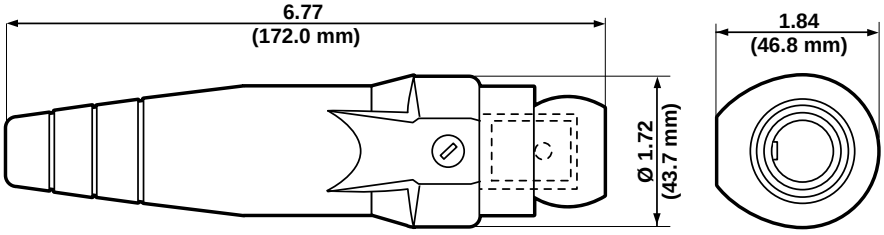
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D32-E	18D32-C	18SDF-14E
White	18D32-W	18D32-C	18SDF-14W
Red	18D32-R	18D32-C	18SDF-14R
Blue	18D32-B	18D32-C	18SDF-14B
Green	18D32-G	18D32-C	18SDF-14G
Yellow	18D32-Y	18D32-C	18SDF-14Y
Orange	18D32-O	18D32-C	18SDF-14O
Brown	18D32-H	18D32-C	18SDF-14H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 18D23



FEMALE DETACHABLE PLUG—SINGLE SET SCREW
Cat. No. 18D32

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Double Set Screw ***(Cable Size: #2–2/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D22-E	18D22-C	18SDM-22E
White	18D22-W	18D22-C	18SDM-22W
Red	18D22-R	18D22-C	18SDM-22R
Blue	18D22-B	18D22-C	18SDM-22B
Green	18D22-G	18D22-C	18SDM-22G
Yellow	18D22-Y	18D22-C	18SDM-22Y
Orange	18D22-O	18D22-C	18SDM-22O
Brown	18D22-H	18D22-C	18SDM-22H

Female Detachable Plug—Double Set Screw ***(Cable Size: #2–2/0)***

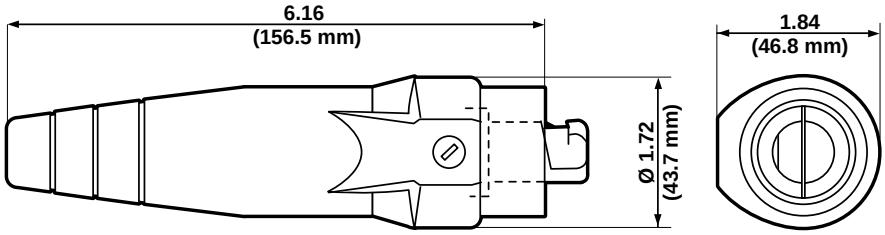
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D31-E	18D31-C	18SDF-22E
White	18D31-W	18D31-C	18SDF-22W
Red	18D31-R	18D31-C	18SDF-22R
Blue	18D31-B	18D31-C	18SDF-22B
Green	18D31-G	18D31-C	18SDF-22G
Yellow	18D31-Y	18D31-C	18SDF-22Y
Orange	18D31-O	18D31-C	18SDF-22O
Brown	18D31-H	18D31-C	18SDF-22H

SPECIFICATIONS & FEATURES

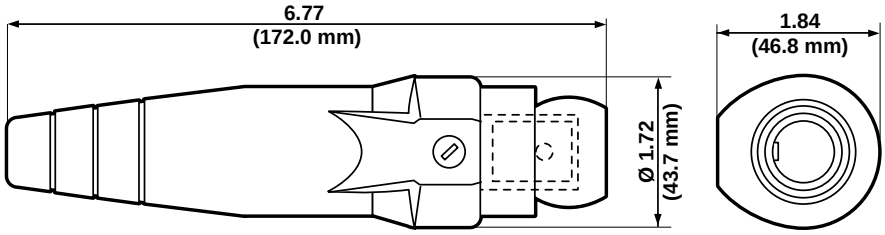
- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States

TESTING & CODE COMPLIANCE

- UL Listed E-151429
- CSA Certified LR-76878-4



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 18D22



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 18D31

*Refer to Ampacity Chart for all cable sizes on page JJ2

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Double Set Screw ***(Cable Size: 1/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D24-E	18D24-C	18SDM-14E
White	18D24-W	18D24-C	18SDM-14W
Red	18D24-R	18D24-C	18SDM-14R
Blue	18D24-B	18D24-C	18SDM-14B
Green	18D24-G	18D24-C	18SDM-14G
Yellow	18D24-Y	18D24-C	18SDM-14Y
Orange	18D24-O	18D24-C	18SDM-14O
Brown	18D24-H	18D24-C	18SDM-14H

18D24-E

Female Detachable Plug—Double Set Screw ***(Cable Size: 1/0–4/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D33-E	18D33-C	18SDF-14E
White	18D33-W	18D33-C	18SDF-14W
Red	18D33-R	18D33-C	18SDF-14R
Blue	18D33-B	18D33-C	18SDF-14B
Green	18D33-G	18D33-C	18SDF-14G
Yellow	18D33-Y	18D33-C	18SDF-14Y
Orange	18D33-O	18D33-C	18SDF-14O
Brown	18D33-H	18D33-C	18SDF-14H

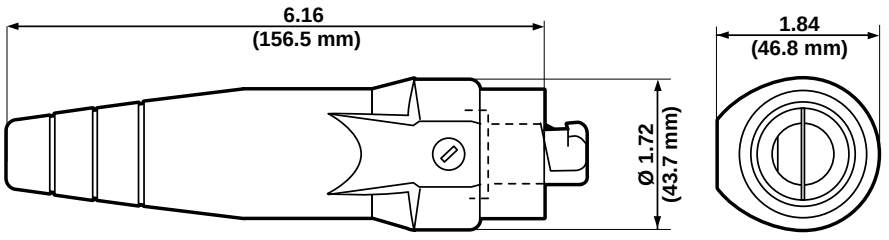
18D33-E

SPECIFICATIONS & FEATURES

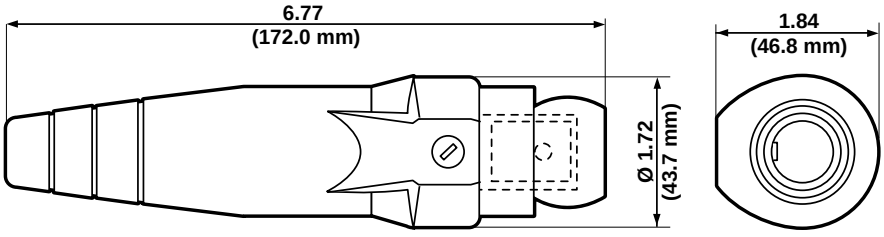
- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States

TESTING & CODE COMPLIANCE

- UL Listed E-151429
- CSA Certified LR-76878-4



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 18D24



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 18D33

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Crimped ***(Cable Size: #2–#1)***

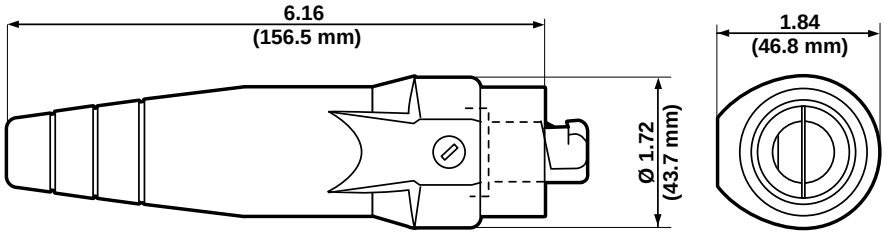
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D25-E	18D25-C	18SDM-22E
White	18D25-W	18D25-C	18SDM-22W
Red	18D25-R	18D25-C	18SDM-22R
Blue	18D25-B	18D25-C	18SDM-22B
Green	18D25-G	18D25-C	18SDM-22G
Yellow	18D25-Y	18D25-C	18SDM-22Y
Orange	18D25-O	18D25-C	18SDM-22O
Brown	18D25-H	18D25-C	18SDM-22H

Female Detachable Plug—Crimped ***(Cable Size: #2–#1)***

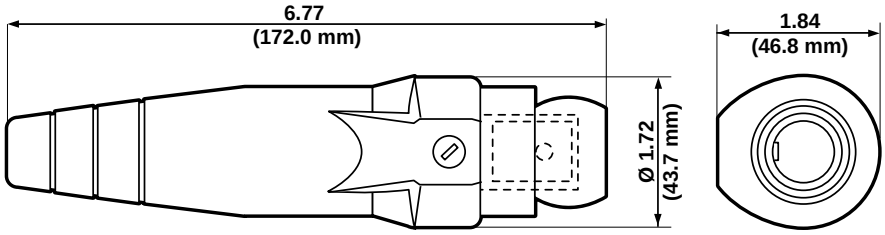
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D34-E	18D34-C	18SDF-22E
White	18D34-W	18D34-C	18SDF-22W
Red	18D34-R	18D34-C	18SDF-22R
Blue	18D34-B	18D34-C	18SDF-22B
Green	18D34-G	18D34-C	18SDF-22G
Yellow	18D34-Y	18D34-C	18SDF-22Y
Orange	18D34-O	18D34-C	18SDF-22O
Brown	18D34-H	18D34-C	18SDF-22H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D25



FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D34

*Refer to Ampacity Chart for all cable sizes on page JJ2

18 Series — **Ball Nose — Up to 400 AMP,* 600V**

Male Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

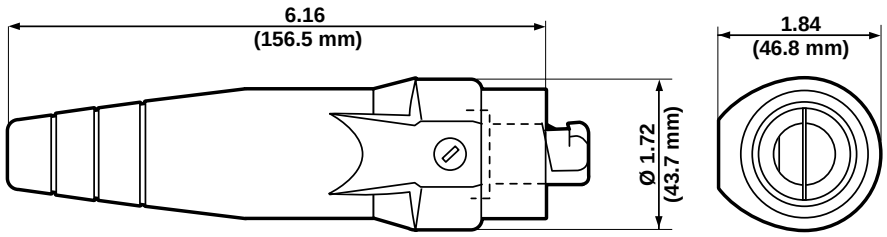
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D26-E	18D26-C	18SDM-22E
White	18D26-W	18D26-C	18SDM-22W
Red	18D26-R	18D26-C	18SDM-22R
Blue	18D26-B	18D26-C	18SDM-22B
Green	18D26-G	18D26-C	18SDM-22G
Yellow	18D26-Y	18D26-C	18SDM-22Y
Orange	18D26-O	18D26-C	18SDM-22O
Brown	18D26-H	18D26-C	18SDM-22H

Female Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

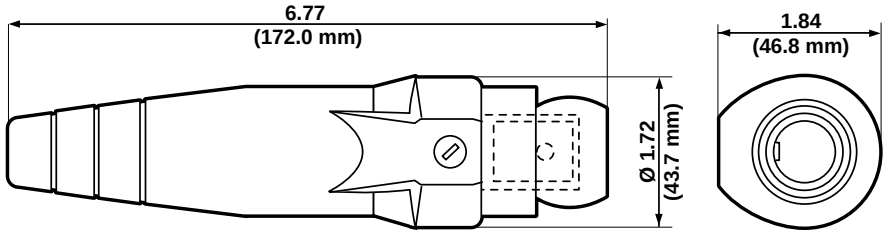
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D35-E	18D35-C	18SDF-22E
White	18D35-W	18D35-C	18SDF-22W
Red	18D35-R	18D35-C	18SDF-22R
Blue	18D35-B	18D35C	18SDF-22B
Green	18D35-G	18D35-C	18SDF-22G
Yellow	18D35-Y	18D35-C	18SDF-22Y
Orange	18D35-O	18D35-C	18SDF-22O
Brown	18D35-H	18D35-C	18SDF-22H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D26



FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D35

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Detachable Plug—Crimped ***(Cable Size: 3/0–4/0)***

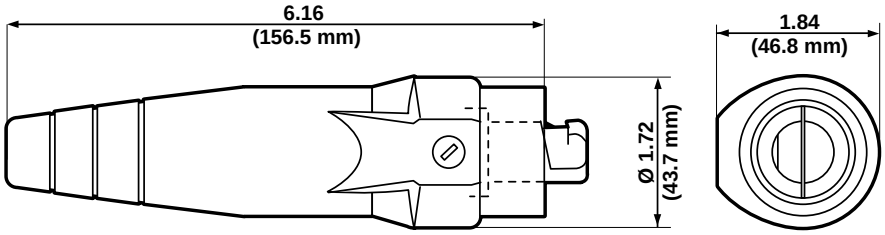
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D28-E	18D28-C	18SDM-14E
White	18D28-W	18D28-C	18SDM-14W
Red	18D28-R	18D28-C	18SDM-14R
Blue	18D28-B	18D28-C	18SDM-14B
Green	18D28-G	18D28-C	18SDM-14G
Yellow	18D28-Y	18D28-C	18SDM-14Y
Orange	18D28-O	18D28-C	18SDM-14O
Brown	18D28-H	18D28-C	18SDM-14H

Female Detachable Plug—Crimped ***(Cable Size: #3/0–#4/0)***

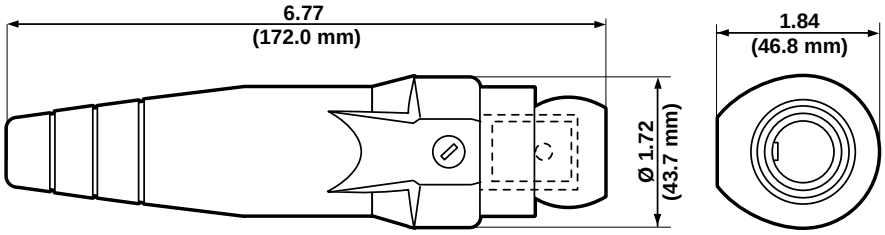
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D37-E	18D37-C	18SDF-14E
White	18D37-W	18D37-C	18SDF-14W
Red	18D37-R	18D37-C	18SDF-14R
Blue	18D37-B	18D37-C	18SDF-14B
Green	18D37-G	18D37-C	18SDF-14G
Yellow	18D37-Y	18D37-C	18SDF-14Y
Orange	18D37-O	18D37-C	18SDF-14O
Brown	18D37-H	18D37-C	18SDF-14H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D28



FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D37

*Refer to Ampacity Chart for all cable sizes on page JJ2

18 Series — Ball Nose — Up to 400 AMP,* 600V

Heavy Duty Male Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D27-E	18D27-C	18SDM-HDE
White	18D27-W	18D27-C	18SDM-HDW
Red	18D27-R	18D27-C	18SDM-HDR
Blue	18D27-B	18D27-C	18SDM-HDB
Green	18D27-G	18D27-C	18SDM-HDG
Yellow	18D27-Y	18D27-C	18SDM-HDY
Orange	18D27-O	18D27-C	18SDM-HDO
Brown	18D27-H	18D27-C	18SDM-HDH

18D27-H

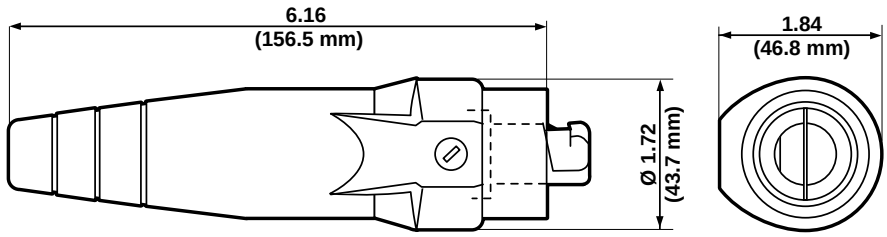
Heavy Duty Female Detachable Plug—Crimped ***(Cable Size: 1/0–2/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18D36-E	18D36-C	18SDF-HDE
White	18D36-W	18D36-C	18SDF-HDW
Red	18D36-R	18D36-C	18SDF-HDR
Blue	18D36-B	18D36C	18SDF-HDB
Green	18D36-G	18D36-C	18SDF-HDG
Yellow	18D36-Y	18D36-C	18SDF-HDY
Orange	18D36-O	18D36-C	18SDF-HDO
Brown	18D36-H	18D36-C	18SDF-HDH

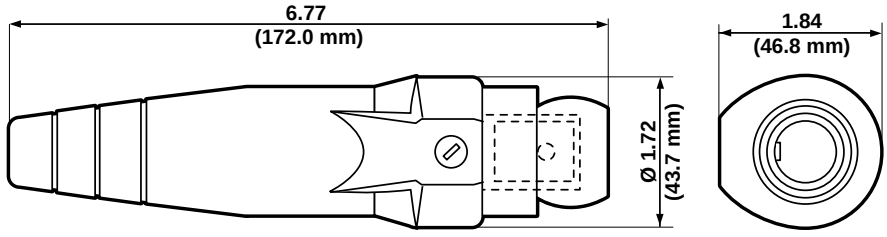
18D36-R

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



HEAVY DUTY MALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D27



HEAVY DUTY FEMALE DETACHABLE PLUG—CRIMPED
Cat. No. 18D36

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: #2–#1)***

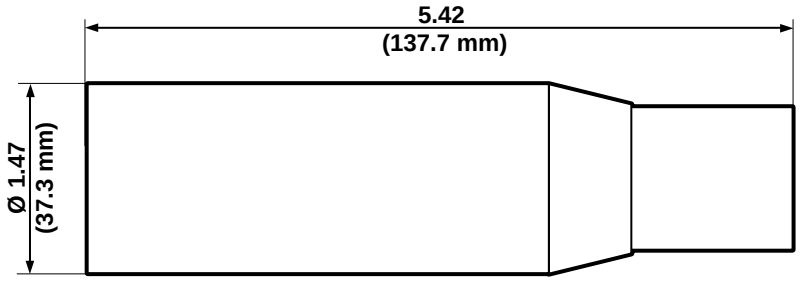
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V21-E	18V21-C	18SVM-21E
White	18V21-W	18V21-C	18SVM-21W
Red	18V21-R	18V21-C	18SVM-21R
Blue	18V21-B	18V21-C	18SVM-21B
Green	18V21-G	18V21-C	18SVM-21G
Yellow	18V21-Y	18V21-C	18SVM-21Y
Orange	18V21-O	18V21-C	18SVM-21O
Brown	18V21-H	18V21-C	18SVM-21H

Female Vulcanized Plug—Crimped ***(Cable Size: #2–#1)***

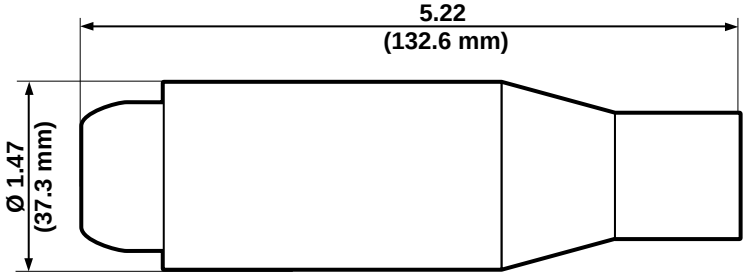
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V25-E	18V25-C	18SVF-21E
White	18V25-W	18V25-C	18SVF-21W
Red	18V25-R	18V25-C	18SVF-21R
Blue	18V25-B	18V25-C	18SVF-21B
Green	18V25-G	18V25-C	18SVF-21G
Yellow	18V25-Y	18V25-C	18SVF-21Y
Orange	18V25-O	18V25-C	18SVF-21O
Brown	18V25-H	18V25-C	18SVF-21H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V21



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V25

*Refer to Ampacity Chart for all cable sizes on page JJ2

18 Series — **Ball Nose — Up to 400 AMP,* 600V**

Male Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

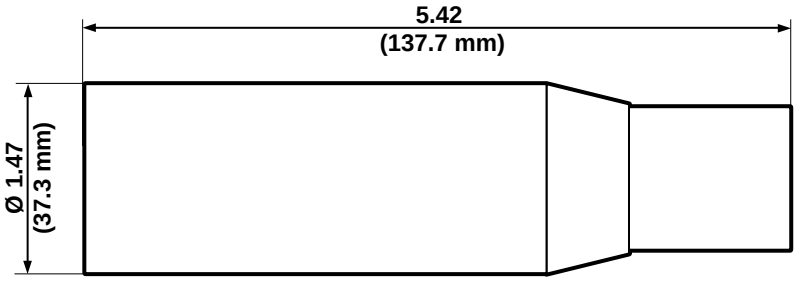
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V22-E	18V22-C	18SVM-12E
White	18V22-W	18V22-C	18SVM-12W
Red	18V22-R	18V22-C	18SVM-12R
Blue	18V22-B	18V22-C	18SVM-12B
Green	18V22-G	18V22-C	18SVM-12G
Yellow	18V22-Y	18V22-C	18SVM-12Y
Orange	18V22-O	18V22-C	18SVM-12O
Brown	18V22-H	18V22-C	18SVM-12H

Female Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

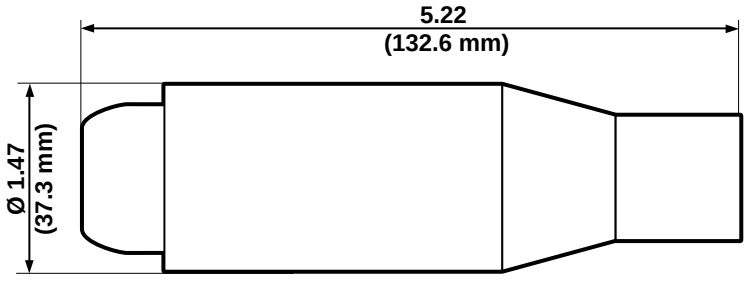
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V26-E	18V26-C	18SVF-12E
White	18V26-W	18V26-C	18SVF-12W
Red	18V26-R	18V26-C	18SVF-12R
Blue	18V26-B	18V26C	18SVF-12B
Green	18V26-G	18V26-C	18SVF-12G
Yellow	18V26-Y	18V26-C	18SVF-12Y
Orange	18V26-O	18V26-C	18SVF-12O
Brown	18V26-H	18V26-C	18SVF-12H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V22



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V26

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

18V23-O

Heavy Duty Male Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V23-E	18V23-C	18SVM-HDE
White	18V23-W	18V23-C	18SVM-HDW
Red	18V23-R	18V23-C	18SVM-HDR
Blue	18V23-B	18V23-C	18SVM-HDB
Green	18V23-G	18V23-C	18SVM-HDG
Yellow	18V23-Y	18V23-C	18SVM-HDY
Orange	18V23-O	18V23-C	18SVM-HDO
Brown	18V23-H	18V23-C	18SVM-HDH

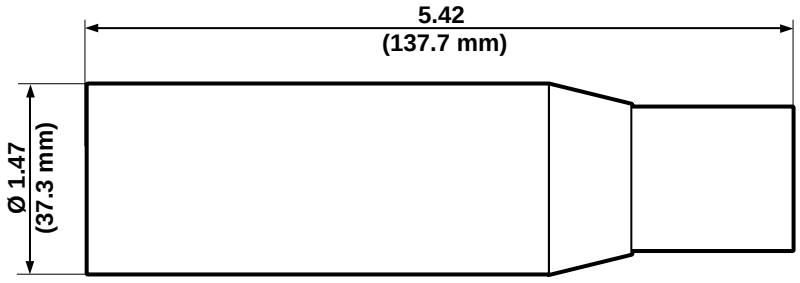
18V27-E

Heavy Duty Female Vulcanized Plug—Crimped ***(Cable Size: 1/0–2/0)***

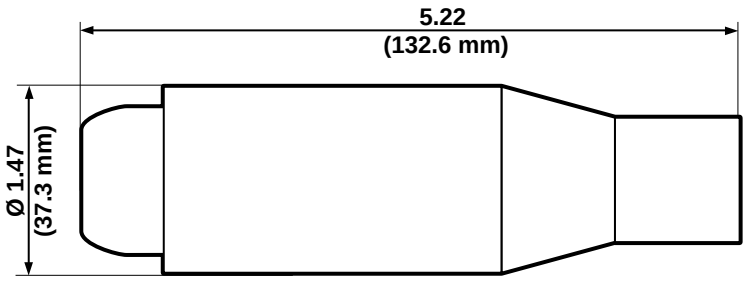
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V27-E	18V27-C	18SVF-HDE
White	18V27-W	18V27-C	18SVF-HDW
Red	18V27-R	18V27-C	18SVF-HDR
Blue	18V27-B	18V27-C	18SVF-HDB
Green	18V27-G	18V27-C	18SVF-HDG
Yellow	18V27-Y	18V27-C	18SVF-HDY
Orange	18V27-O	18V27-C	18SVF-HDO
Brown	18V27-H	18V27-C	18SVF-HDH

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



HEAVY DUTY MALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V23



HEAVY DUTY FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V27

*Refer to Ampacity Chart for all cable sizes on page JJ2

18 Series — Ball Nose — Up to 400 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: 3/0–4/0)***

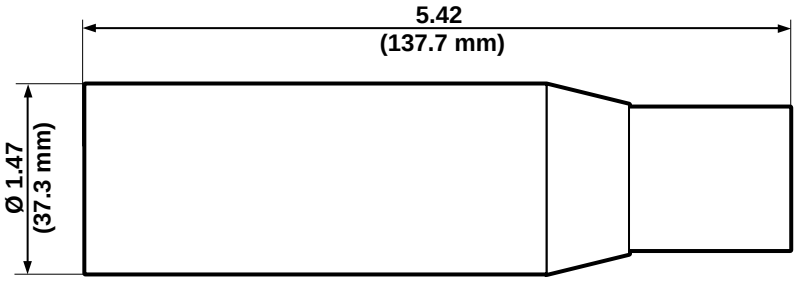
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V24-E	18V24-C	18SVM-34E
White	18V24-W	18V24-C	18SVM-34W
Red	18V24-R	18V24-C	18SVM-34R
Blue	18V24-B	18V24-C	18SVM-34B
Green	18V24-G	18V24-C	18SVM-34G
Yellow	18V24-Y	18V24-C	18SVM-34Y
Orange	18V24-O	18V24-C	18SVM-34O
Brown	18V24-H	18V24-C	18SVM-34H

Female Vulcanized Plug—Crimped ***(Cable Size: 3/0–4/0)***

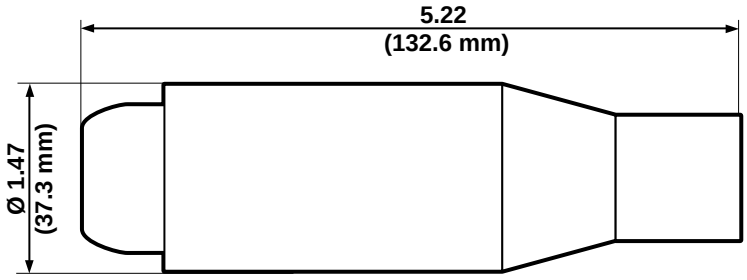
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	18V28-E	18V28-C	18SVF-34E
White	18V28-W	18V28-C	18SVF-34W
Red	18V28-R	18V28-C	18SVF-34R
Blue	18V28-B	18V28C	18SVF-34B
Green	18V28-G	18V28-C	18SVF-34G
Yellow	18V28-Y	18V28-C	18SVF-34Y
Orange	18V28-O	18V28-C	18SVF-34O
Brown	18V28-H	18V28-C	18SVF-34H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V24



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 18V28

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

18F21-E

Female Terminal Connector ***(Cable Size: #2–4/0)***

	ANGLE STYLE	OFFSET STYLE
COLOR	CAT. NO.	CAT. NO.
Black	18F21-E	18F22-E
White	18F21-W	18F22-W
Red	18F21-R	18F22-R
Blue	18F21-B	18F22-B
Green	18F21-G	18F22-G
Yellow	18F21-Y	18F22-Y
Orange	18F21-O	18F22-O
Brown	18F21-H	18F22-H

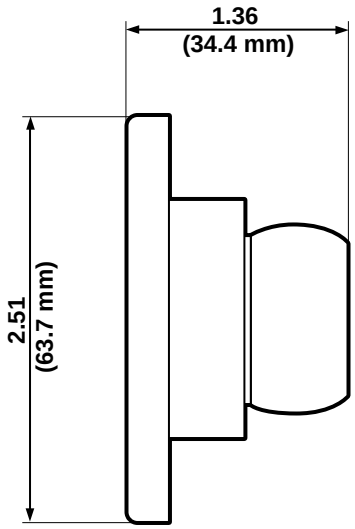
18P21-E

Protective Caps

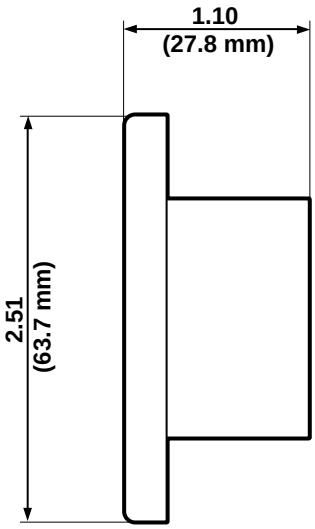
	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	18P21-E	18P22-E
White	18P21-W	18P22-W
Red	18P21-R	18P22-R
Blue	18P21-B	18P22-B
Green	18P21-G	18P22-G
Yellow	18P21-Y	18P22-Y
Orange	18P21-O	18P22-O
Brown	18P21-H	18P22-H

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States



MALE PROTECTIVE CAP
Cat. No. 18P21



FEMALE PROTECTIVE CAP
Cat. No. 18P22

*Refer to Ampacity Chart for all cable sizes on page JJ2

18 Series — **Ball Nose — Up to 400 AMP,* 600V**

Panel Receptacle

	THREADED STUD STYLE (CABLE SIZE: #2–4/0)		DOUBLE SET SCREW STYLE (CABLE SIZE: 1/0–4/0)	
	MALE	**FEMALE**	**MALE**	**FEMALE**
COLOR	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
Black	18R21-E	18R22-E	18R23-E	18R24-E
White	18R21-W	18R22-W	18R23-W	18R24-W
Red	18R21-R	18R22-R	18R23-R	18R24-R
Blue	18R21-B	18R22-B	18R23-B	18R24-B
Green	18R21-G	18R22-G	18R23-G	18R24-G
Yellow	18R21-Y	18R22-Y	18R23-Y	18R24-Y
Orange	18R21-O	18R22-O	18R23-O	18R24-O
Brown	18R21-H	18R22-H	18R23-H	18R24-H

Three-Way Lay Down "T" Connectors

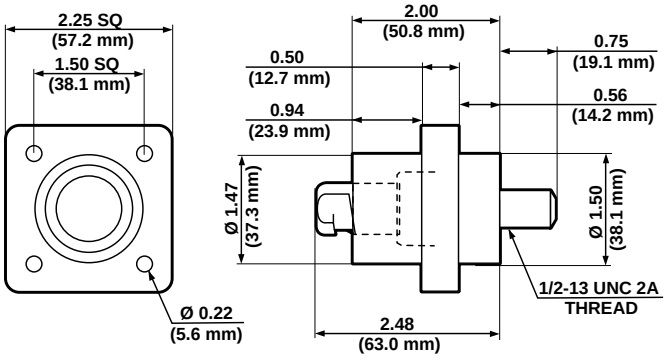
	PARALLELING TEE FEMALE–MALE–MALE	TAPPING TEE FEMALE–FEMALE–MALE
COLOR	CAT. NO.	CAT. NO.
Black	18A21-E	18A22-E
White	18A21-W	18A22-W
Red	18A21-R	18A22-R
Blue	18A21-B	18A22-B
Green	18A21-G	18A22-G
Yellow	18A21-Y	18A22-Y
Orange	18A21-O	18A22-O
Brown	18A21-H	18A22-H

SPECIFICATIONS & FEATURES

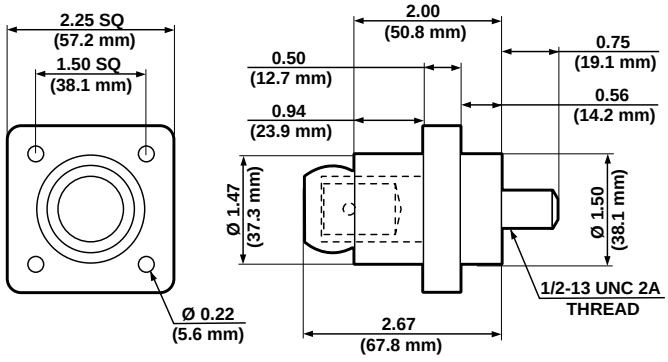
- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States

TESTING & CODE COMPLIANCE

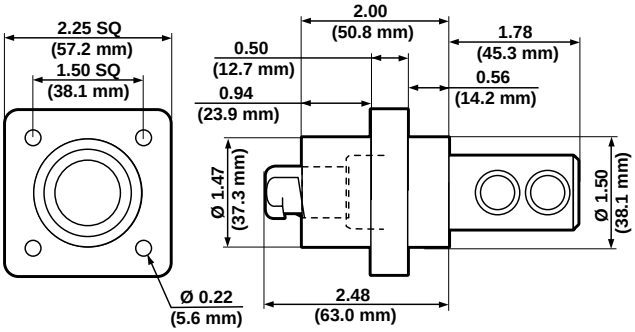
- UL Listed E-151429
- CSA Certified LR-76878-4



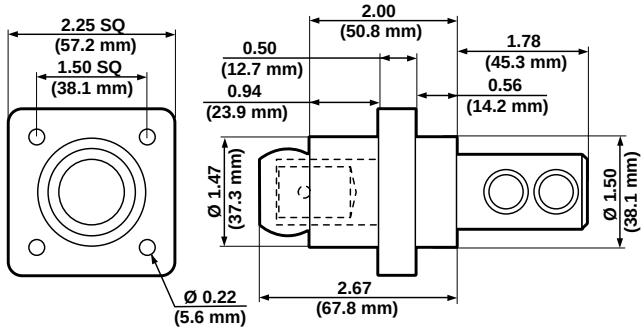
MALE THREADED STUD PANEL RECEPTACLE—Cat. No. 18R21



FEMALE THREADED STUD PANEL RECEPTACLE—Cat. No. 18R22



MALE DOUBLE SET SCREW PANEL RECEPTACLE—Cat. No. 18R23



FEMALE DOUBLE SET SCREW PANEL RECEPTACLE—Cat. No. 18R24

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

18 Series — Ball Nose — Up to 400 AMP,* 600V

18A23-E

18A25-E

SPECIFICATIONS & FEATURES

- The 18 Series Ball Nose pin and sleeve type plugs, receptacles and connectors are used by the broadcast industry in Canada, as well as the welding industry in the United States

TESTING & CODE COMPLIANCE

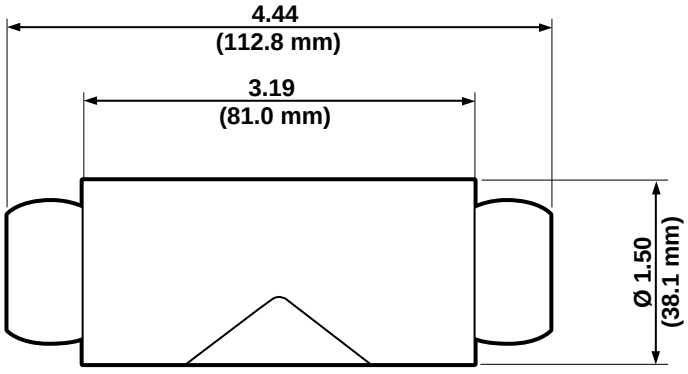
- UL Listed E-151429
- CSA Certified LR-76878-4

Multi-Way Connectors

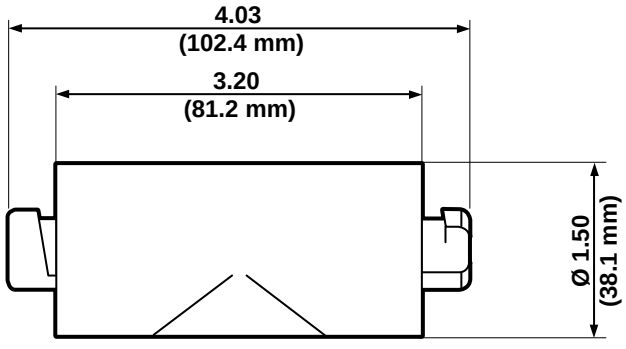
	3-FER **MALE–FEMALE–FEMALE–FEMALE**	3-FER **FEMALE–MALE–MALE–MALE**
COLOR	CAT. NO.	CAT. NO.
Black	18A23-E	18A26-E
White	18A23-W	18A26-W
Red	18A23-R	18A26-R
Blue	18A23-B	18A26-B
Green	18A23-G	18A26-G
Yellow	18A23-Y	18A26-Y
Orange	18A23-O	18A26-O
Brown	18A23-H	18A26-H

Multi-Way Connectors

	DOUBLE FEMALE **FEMALE–FEMALE**	DOUBLE MALE **MALE–MALE**
COLOR	CAT. NO.	CAT. NO.
Black	18A24-E	18A25-E
White	18A24-W	18A25W
Red	18A24-R	18A25-R
Blue	18A24-B	18A25-B
Green	18A24-G	18A25-G
Yellow	18A24-Y	18A25-Y
Orange	18A24-O	18A25-O
Brown	18A24-H	18A25-H



MULTI-WAY CONNECTOR—FEMALE TO FEMALE
Cat. No. 18A24



MULTI-WAY CONNECTOR—MALE TO MALE
Cat. No. 18A25

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

17 Series — Taper Nose — Up to 690 AMP,* 600V

Male Detachable Plug—Double Set Screw ***(Cable Size: 250–350MCM)***

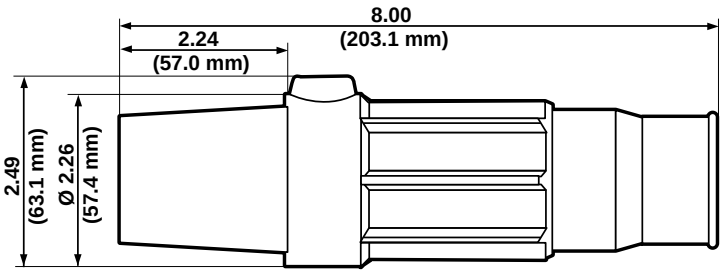
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17D21-E	17D21-C	17SDM-E
White	17D21-W	17D21-C	17SDM-W
Red	17D21-R	17D21-C	17SDM-R
Blue	17D21-B	17D21-C	17SDM-B
Green	17D21-G	17D21-C	17SDM-G
Yellow	17D21-Y	17D21-C	17SDM-Y
Orange	17D21-O	17D21-C	17SDM-O
Brown	17D21-H	17D21-C	17SDM-H

Female Detachable Plug—Double Set Screw ***(Cable Size: 250–350MCM)***

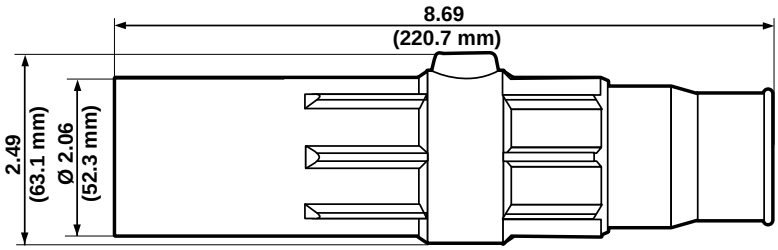
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17D23-E	17D23-C	17SDF-E
White	17D23-W	17D23-C	17SDF-W
Red	17D23-R	17D23-C	17SDF-R
Blue	17D23-B	17D23-C	17SDF-B
Green	17D23-G	17D23-C	17SDF-G
Yellow	17D23-Y	17D23-C	17SDF-Y
Orange	17D23-O	17D23-C	17SDF-O
Brown	17D23-H	17D23-C	17SDF-H

SPECIFICATIONS & FEATURES

- The 17 Series Taper Nose connectors withstand grueling, heavy-duty industrial use. Applications include generator test stations, water purification plants, electro-chemical machining equipment and other general industrial uses.



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 17D21



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 17D23

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

17 Series — Taper Nose — Up to 690 AMP,* 600V

17V21-H

Male Vulcanized Plug—Crimped ***(Cable Size: 250–350MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17V21-E	17V21-C	17SVM-E
White	17V21-W	17V21-C	17SVM-W
Red	17V21-R	17V21-C	17SVM-R
Blue	17V21-B	17V21-C	17SVM-B
Green	17V21-G	17V21-C	17SVM-G
Yellow	17V21-Y	17V21-C	17SVM-Y
Orange	17V21-O	17V21-C	17SVM-O
Brown	17V21-H	17V21-C	17SVM-H

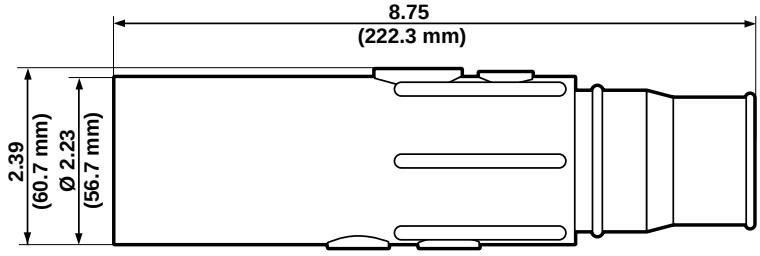
17V24-R

Female Vulcanized Plug—Crimped ***(Cable Size: 250–350MCM)***

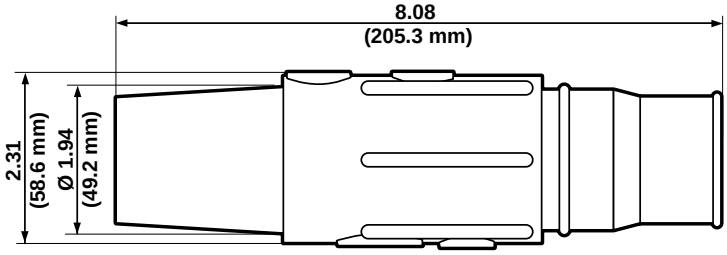
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17V24-E	17V24-C	17SVF-E
White	17V24-W	17V24-C	17SVF-W
Red	17V24-R	17V24-C	17SVF-R
Blue	17V24-B	17V24-C	17SVF-B
Green	17V24-G	17V24-C	17SVF-G
Yellow	17V24-Y	17V24-C	17SVF-Y
Orange	17V24-O	17V24-C	17SVF-O
Brown	17V24-H	17V24-C	17SVF-H

SPECIFICATIONS & FEATURES

- The 17 Series Taper Nose connectors withstand grueling, heavy-duty industrial use. Applications include generator test stations, water purification plants, electro-chemical machining equipment and other general industrial uses.



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 17V21



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 17V24

*Refer to Ampacity Chart for all cable sizes on page JJ2

17 Series — Taper Nose — Up to 690 AMP,* 600V

Male Detachable Plug—Double Set Screw ***(Cable Size: 350–500MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17D22-E	17D22-C	17SDM-E
White	17D22-W	17D22-C	17SDM-W
Red	17D22-R	17D22-C	17SDM-R
Blue	17D22-B	17D22-C	17SDM-B
Green	17D22-G	17D22-C	17SDM-G
Yellow	17D22-Y	17D22-C	17SDM-Y
Orange	17D22-O	17D22-C	17SDM-O
Brown	17D22-H	17D22-C	17SDM-H

17D22-O

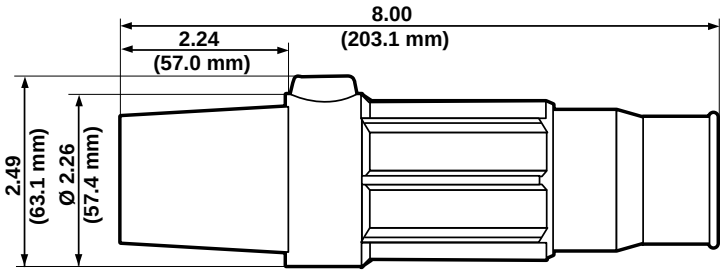
Female Detachable Plug—Double Set Screw ***(Cable Size: 350–500MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17D24-E	17D24-C	17SDF-E
White	17D24-W	17D24-C	17SDF-W
Red	17D24-R	17D24-C	17SDF-R
Blue	17D24-B	17D24-C	17SDF-B
Green	17D24-G	17D24-C	17SDF-G
Yellow	17D24-Y	17D24-C	17SDF-Y
Orange	17D24-O	17D24-C	17SDF-O
Brown	17D24-H	17D24-C	17SDF-H

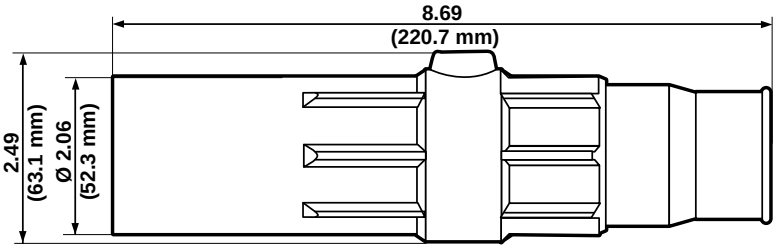
17D24-E

SPECIFICATIONS & FEATURES

- The 17 Series Taper Nose connectors withstand grueling, heavy-duty industrial use. Applications include generator test stations, water purification plants, electro-chemical machining equipment and other general industrial uses.



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 17D22



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 17D24

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

17 Series — Taper Nose — Up to 690 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: 350–500MCM)***

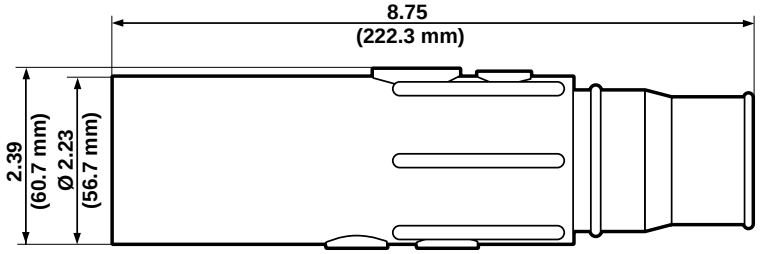
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17V22-E	17V22-C	17SVM-E
White	17V22-W	17V22-C	17SVM-W
Red	17V22-R	17V22-C	17SVM-R
Blue	17V22-B	17V22-C	17SVM-B
Green	17V22-G	17V22-C	17SVM-G
Yellow	17V22-Y	17V22-C	17SVM-Y
Orange	17V22-O	17V22-C	17SVM-O
Brown	17V22-H	17V22-C	17SVM-H

Female Vulcanized Plug—Crimped ***(Cable Size: 350–500MCM)***

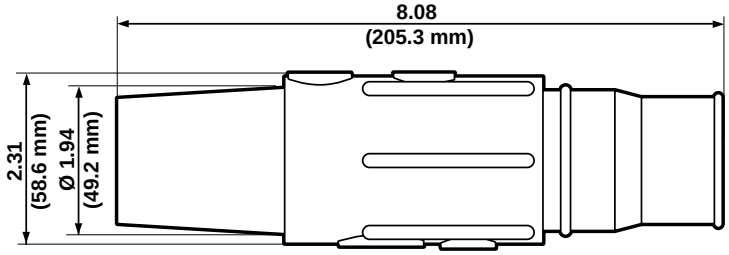
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17V25-E	17V25-C	17SVF-E
White	17V25-W	17V25-C	17SVF-W
Red	17V25-R	17V25-C	17SVF-R
Blue	17V25-B	17V25-C	17SVF-B
Green	17V25-G	17V25-C	17SVF-G
Yellow	17V25-Y	17V25-C	17SVF-Y
Orange	17V25-O	17V25-C	17SVF-O
Brown	17V25-H	17V25-C	17SVF-H

SPECIFICATIONS & FEATURES

- The 17 Series Taper Nose connectors withstand grueling, heavy-duty industrial use. Applications include generator test stations, water purification plants, electro-chemical machining equipment and other general industrial uses.



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 17V22



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 17V25

*Refer to Ampacity Chart for all cable sizes on page JJ2

17 Series — Taper Nose — Up to 690 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: 500–750MCM)***

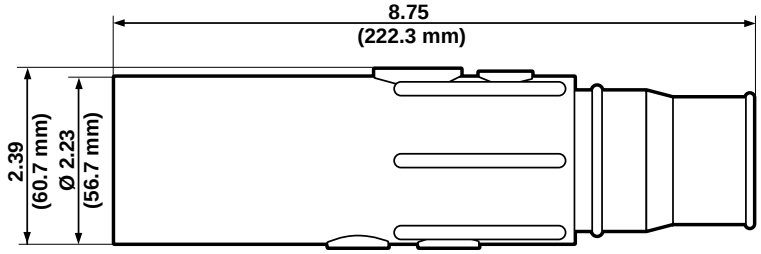
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17V23-E	17V23-C	17SVM-E
White	17V23-W	17V23-C	17SVM-W
Red	17V23-R	17V23-C	17SVM-R
Blue	17V23-B	17V23-C	17SVM-B
Green	17V23-G	17V23-C	17SVM-G
Yellow	17V23-Y	17V23-C	17SVM-Y
Orange	17V23-O	17V23-C	17SVM-O
Brown	17V23-H	17V23-C	17SVM-H

Female Vulcanized Plug—Crimped ***(Cable Size: 500–750MCM)***

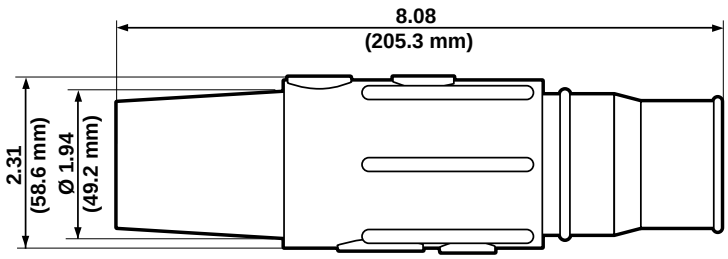
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	17V26-E	17V26-C	17SVF-E
White	17V26-W	17V26-C	17SVF-W
Red	17V26-R	17V26-C	17SVF-R
Blue	17V26-B	17V26-C	17SVF-B
Green	17V26-G	17V26-C	17SVF-G
Yellow	17V26-Y	17V26-C	17SVF-Y
Orange	17V26-O	17V26-C	17SVF-O
Brown	17V26-H	17V26-C	17SVF-H

SPECIFICATIONS & FEATURES

- The 17 Series Taper Nose connectors withstand grueling, heavy-duty industrial use. Applications include generator test stations, water purification plants, electro-chemical machining equipment and other general industrial uses.



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 17V23



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 17V26

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

17 Series — Taper Nose — Up to 690 AMP,* 600V

17R21-W

Panel Receptacle—Threaded Stud ***(Cable Size: 250–750MCM)***

	90° STYLE MALE	FEMALE	30° STYLE MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
Black	17R21-E	17R22-E	17R23-E	17R24-E
White	17R21-W	17R22-W	17R23-W	17R24-W
Red	17R21-R	17R22-R	17R23-R	17R24-R
Blue	17R21-B	17R22-B	17R23-B	17R24-B
Green	17R21-G	17R22-G	17R23-G	17R24-G
Yellow	17R21-Y	17R22-Y	17R23-Y	17R24-Y
Orange	17R21-O	17R22-O	17R23-O	17R24-O
Brown	17R21-H	17R22-H	17R23-H	17R24-H

17P21-E

Female Terminal Connector ***(Cable Size: 250–750MCM)***

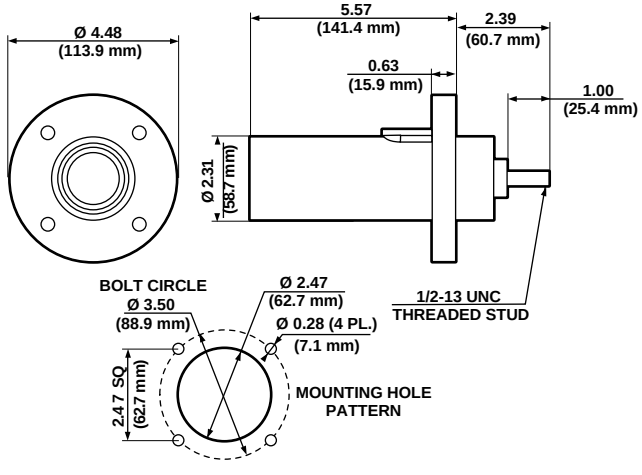
	ANGLE STYLE	OFFSET STYLE
COLOR	CAT. NO.	CAT. NO.
Black	17F21-E	17F22-E
White	17F21-W	17F22-W
Red	17F21-R	17F22-R
Blue	17F21-B	17F22-B
Green	17F21-G	17F22-G
Yellow	17F21-Y	17F22-Y
Orange	17F21-O	17F22-O
Brown	17F21-H	17F22-H

Protective Caps

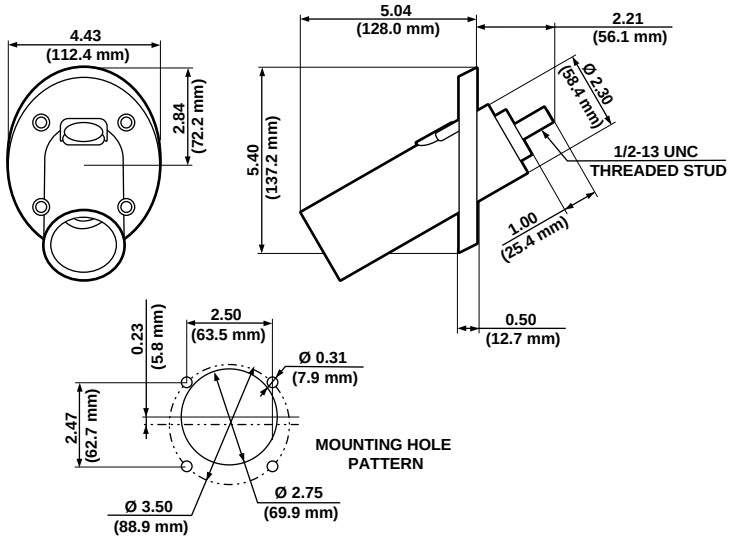
	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	17P21-E	17P22-E
White	17P21-W	17P22-W
Red	17P21-R	17P22-R
Blue	17P21-B	17P22-B
Green	17P21-G	17P22-G
Yellow	17P21-Y	17P22-Y
Orange	17P21-O	17P22-O
Brown	17P21-H	17P22-H

SPECIFICATIONS & FEATURES

- The 17 Series Taper Nose connectors withstand grueling, heavy-duty industrial use. Applications include generator test stations, water purification plants, electro-chemical machining equipment and other general industrial uses.



MALE PANEL RECEPTACLE THREADED STUD—90°
Cat. No. 17R21



MALE PANEL RECEPTACLE THREADED STUD—30°
Cat. No. 17R23

*Refer to Ampacity Chart for all cable sizes on page JJ2

19 Series — Ball Nose — Up to 690 AMP,* 600V

Male Detachable Plug—Double Set Screw ***(Cable Size: 250–350MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19D21-E	19D21-C	19SDM-E
White	19D21-W	19D21-C	19SDM-W
Red	19D21-R	19D21-C	19SDM-R
Blue	19D21-B	19D21-C	19SDM-B
Green	19D21-G	19D21-C	19SDM-G
Yellow	19D21-Y	19D21-C	19SDM-Y
Orange	19D21-O	19D21-C	19SDM-O
Brown	19D21-H	19D21-C	19SDM-H

19D21-E

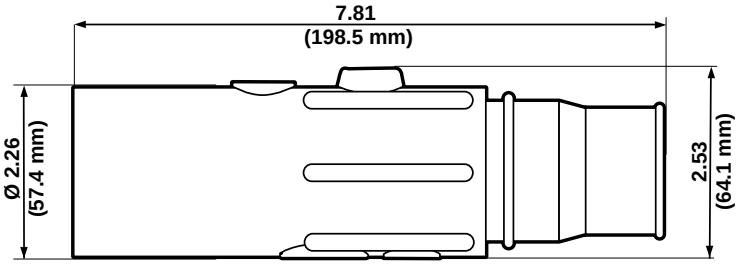
Female Detachable Plug—Double Set Screw ***(Cable Size: 250–350MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19D23-E	19D23-C	19SDF-E
White	19D23-W	19D23-C	19SDF-W
Red	19D23-R	19D23-C	19SDF-R
Blue	19D23-B	19D23-C	19SDF-B
Green	19D23-G	19D23-C	19SDF-G
Yellow	19D23-Y	19D23-C	19SDF-Y
Orange	19D23-O	19D23-C	19SDF-O
Brown	19D23-H	19D23-C	19SDF-H

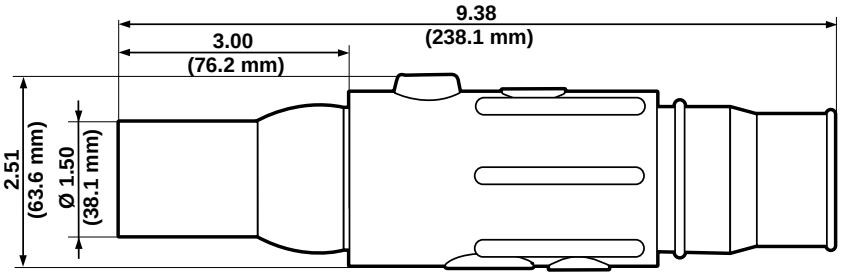
19D23-E

SPECIFICATIONS & FEATURES

- The 19 Series Ball Nose connectors are designed for general industrial applications



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 19D21



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 19D23

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

19 Series — Ball Nose — Up to 690 AMP,* 600V

19D22-E

Male Detachable Plug—Double Set Screw ***(Cable Size: 350–500MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19D22-E	19D22-C	19SDM-E
White	19D22-W	19D22-C	19SDM-W
Red	19D22-R	19D22-C	19SDM-R
Blue	19D22-B	19D22-C	19SDM-B
Green	19D22-G	19D22-C	19SDM-G
Yellow	19D22-Y	19D22-C	19SDM-Y
Orange	19D22-O	19D22-C	19SDM-O
Brown	19D22-H	19D22-C	19SDM-H

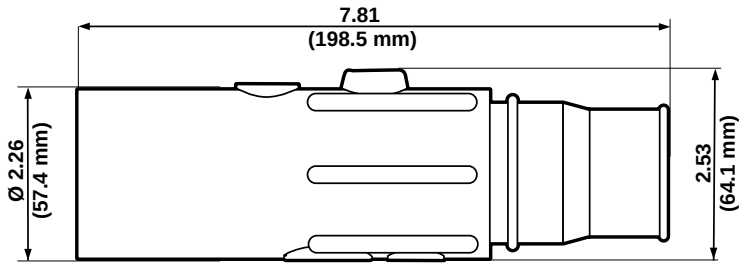
19D24-E

Female Detachable Plug—Double Set Screw ***(Cable Size: 350–500MCM)***

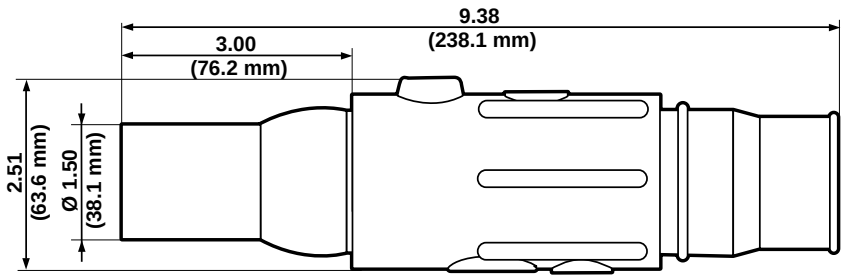
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19D24-E	19D24-C	19SDF-E
White	19D24-W	19D24-C	19SDF-W
Red	19D24-R	19D24-C	19SDF-R
Blue	19D24-B	19D24-C	19SDF-B
Green	19D24-G	19D24-C	19SDF-G
Yellow	19D24-Y	19D24-C	19SDF-Y
Orange	19D24-O	19D24-C	19SDF-O
Brown	19D24-H	19D24-C	19SDF-H

SPECIFICATIONS & FEATURES

- The 19 Series Ball Nose connectors are designed for general industrial applications



MALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 19D22



FEMALE DETACHABLE PLUG—DOUBLE SET SCREW
Cat. No. 19D24

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

19 Series — Ball Nose — Up to 690 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: 250–350MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19V21-E	19V21-C	19SVM-E
White	19V21-W	19V21-C	19SVM-W
Red	19V21-R	19V21-C	19SVM-R
Blue	19V21-B	19V21-C	19SVM-B
Green	19V21-G	19V21-C	19SVM-G
Yellow	19V21-Y	19V21-C	19SVM-Y
Orange	19V21-O	19V21-C	19SVM-O
Brown	19V21-H	19V21-C	19SVM-H

19V21-E

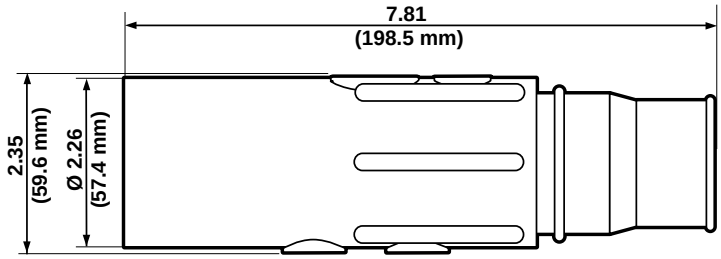
Female Vulcanized Plug—Crimped ***(Cable Size: 250–350MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19V24-E	19V24-C	19SVF-E
White	19V24-W	19V24-C	19SVF-W
Red	19V24-R	19V24-C	19SVF-R
Blue	19V24-B	19V24-C	19SVF-B
Green	19V24-G	19V24-C	19SVF-G
Yellow	19V24-Y	19V24-C	19SVF-Y
Orange	19V24-O	19V24-C	19SVF-O
Brown	19V24-H	19V24-C	19SVF-H

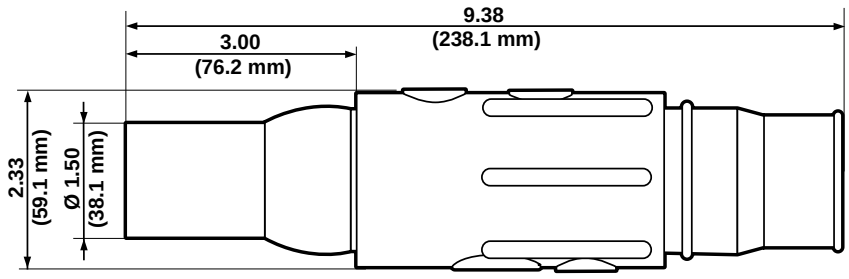
19V24-E

SPECIFICATIONS & FEATURES

- The 19 Series Ball Nose connectors are designed for general industrial applications



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 19V21



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 19V24

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

19 Series — Ball Nose — Up to 690 AMP,* 600V

19V22-E

Male Vulcanized Plug—Crimped ***(Cable Size: 350–500MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19V22-E	19V22-C	19SVM-E
White	19V22-W	19V22-C	19SVM-W
Red	19V22-R	19V22-C	19SVM-R
Blue	19V22-B	19V22-C	19SVM-B
Green	19V22-G	19V22-C	19SVM-G
Yellow	19V22-Y	19V22-C	19SVM-Y
Orange	19V22-O	19V22-C	19SVM-O
Brown	19V22-H	19V22-C	19SVM-H

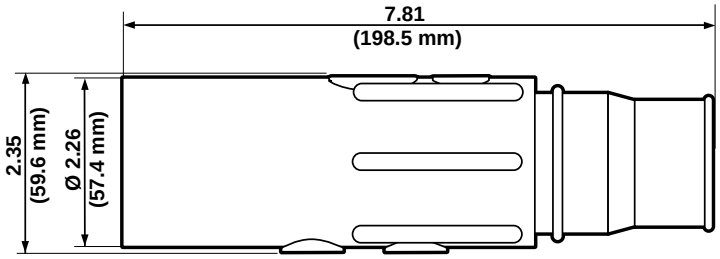
19V25-E

Female Vulcanized Plug—Crimped ***(Cable Size: 350–500MCM)***

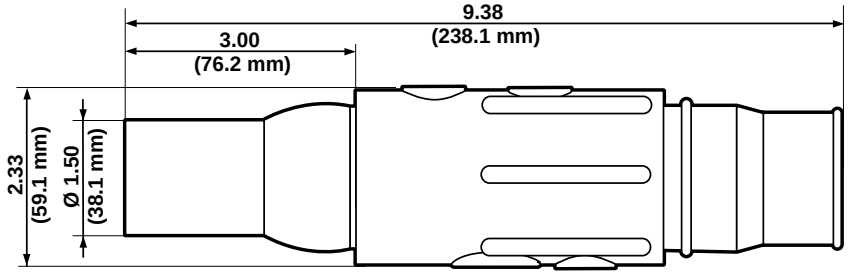
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19V25-E	19V25-C	19SVF-E
White	19V25-W	19V25-C	19SVF-W
Red	19V25-R	19V25-C	19SVF-R
Blue	19V25-B	19V25-C	19SVF-B
Green	19V25-G	19V25-C	19SVF-G
Yellow	19V25-Y	19V25-C	19SVF-Y
Orange	19V25-O	19V25-C	19SVF-O
Brown	19V25-H	19V25-C	19SVF-H

SPECIFICATIONS & FEATURES

- The 19 Series Ball Nose connectors are designed for general industrial applications



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 19V22



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 19V25

*Refer to Ampacity Chart for all cable sizes on page JJ2

19 Series — Ball Nose — Up to 690 AMP,* 600V

Male Vulcanized Plug—Crimped ***(Cable Size: 500–750MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19V23-E	19V23-C	19SVM-E
White	19V23-W	19V23-C	19SVM-W
Red	19V23-R	19V23-C	19SVM-R
Blue	19V23-B	19V23-C	19SVM-B
Green	19V23-G	19V23-C	19SVM-G
Yellow	19V23-Y	19V23-C	19SVM-Y
Orange	19V23-O	19V23-C	19SVM-O
Brown	19V23-H	19V23-C	19SVM-H

19V23-E

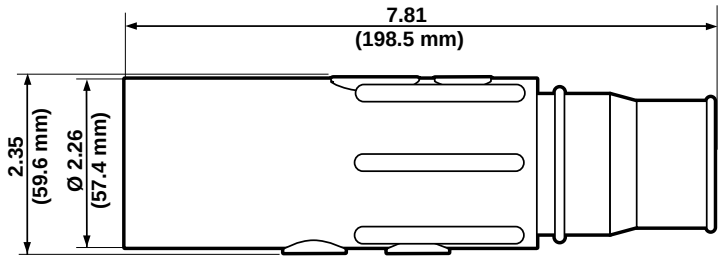
Female Vulcanized Plug—Crimped ***(Cable Size: 500–750MCM)***

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	19V26-E	19V26-C	19SVF-E
White	19V26-W	19V26-C	19SVF-W
Red	19V26-R	19V26-C	19SVF-R
Blue	19V26-B	19V26-C	19SVF-B
Green	19V26-G	19V26-C	19SVF-G
Yellow	19V26-Y	19V26-C	19SVF-Y
Orange	19V26-O	19V26-C	19SVF-O
Brown	19V26-H	19V26-C	19SVF-H

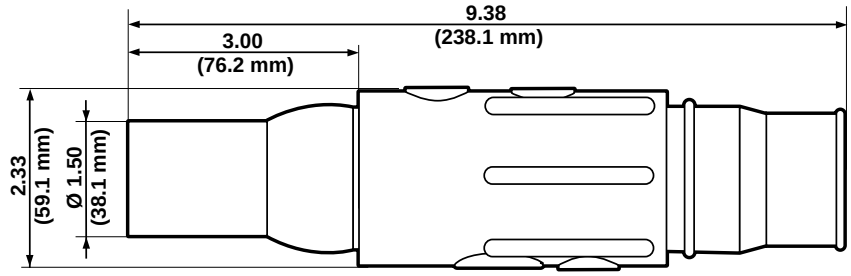
19V26-E

SPECIFICATIONS & FEATURES

- The 19 Series Ball Nose connectors are designed for general industrial applications



MALE VULCANIZED PLUG—CRIMPED
Cat. No. 19V23



FEMALE VULCANIZED PLUG—CRIMPED
Cat. No. 19V28

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

19 Series — Ball Nose — Up to 690 AMP,* 600V

19R21-E

Panel Receptacle—Threaded Stud ***(Cable Size: 250–750MCM)***

	90° STYLE		30° STYLE	
	MALE	**FEMALE**	**MALE**	**FEMALE**
COLOR	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
Black	19R21-E	19R22-E	19R23-E	19R24-E
White	19R21-W	19R22-W	19R23-W	19R24-W
Red	19R21-R	19R22-R	19R23-R	19R24-R
Blue	19R21-B	19R22-B	19R23-B	19R24-B
Green	19R21-G	19R22-G	19R23-G	19R24-G
Yellow	19R21-Y	19R22-Y	19R23-Y	19R24-Y
Orange	19R21-O	19R22-O	19R23-O	19R24-O
Brown	19R21-H	19R22-H	19R23-H	19R24-H

19P21-E

SPECIFICATIONS & FEATURES

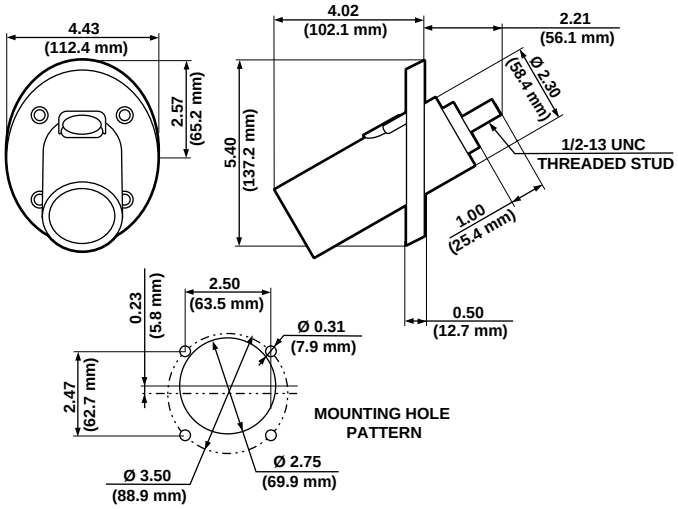
- The 19 Series Ball Nose connectors are designed for general industrial applications

Female Terminal Connector ***(Cable Size: 250–750MCM)***

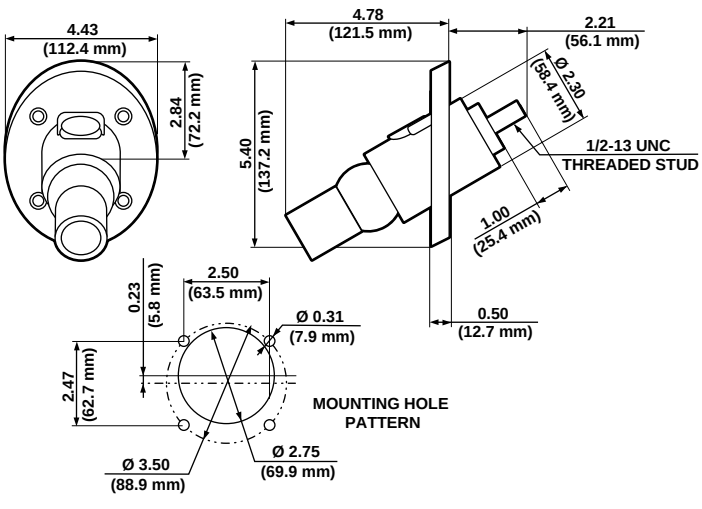
	ANGLE STYLE	OFFSET STYLE
COLOR	CAT. NO.	CAT. NO.
Black	19F21-E	19F22-E
White	19F21-W	19F22-W
Red	19F21-R	19F22-R
Blue	19F21-B	19F22-B
Green	19F21-G	19F22-G
Yellow	19F21-Y	19F22-Y
Orange	19F21-O	19F22-O
Brown	19F21-H	19F22-H

Protective Caps

	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	19P21-E	19P22-E
White	19P21-W	19P22-W
Red	19P21-R	19P22-R
Blue	19P21-B	19P22-B
Green	19P21-G	19P22-G
Yellow	19P21-Y	19P22-Y
Orange	19P21-O	19P22-O
Brown	19P21-H	19P22-H



MALE PANEL RECEPTACLE THREADED STUD—30°
Cat. No. 19R23



FEMALE PANEL RECEPTACLE THREADED STUD—30°
Cat. No. 19R24

*Refer to Ampacity Chart for all cable sizes on page JJ2

22/23 Series — Latching Ball Nose/LatchingTaper Nose — Up to 690 AMP,* 600V

Ball Nose—In-Line Latching Male Connectors—Crimped
(Cable Size: 250–350MCM)

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	22L21-E	22L21-C	22SVM-E
White	22L21-W	22L21-C	22SVM-W
Red	22L21-R	22L21-C	22SVM-R

Ball Nose—In-Line Latching Female Connectors—Crimped
(Cable Size: 250–350MCM)

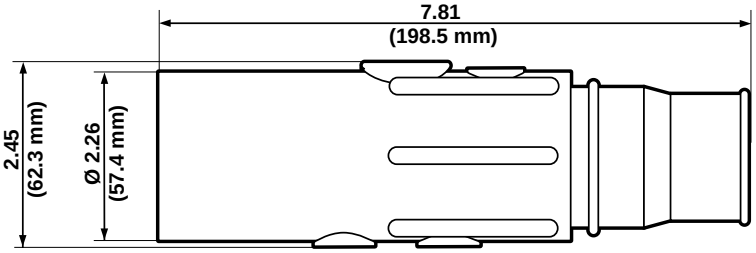
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	22L24-E	22L24-C	22SVF-E
White	22L24-W	22L24-C	22SVF-W
Red	22L24-R	22L24-C	22SVF-R

Ball Nose—In-Line Latching Male Connectors—Crimped
(Cable Size: 350–500MCM)

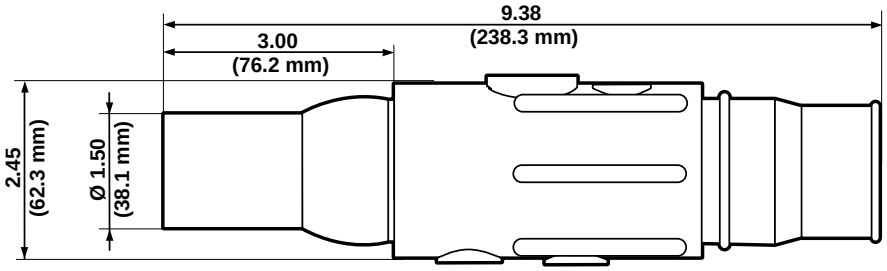
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	22L22-E	22L22-C	22SVM-E
White	22L22-W	22L22-C	22SVM-W
Red	22L22-R	22L22-C	22SVM-R

Ball Nose—In-Line Latching Female Connectors—Crimped
(Cable Size: 350–500MCM)

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	22L25-E	22L25-C	22SVF-E
White	22L25-W	22L25-C	22SVF-W
Red	22L25-R	22L25-C	22SVF-R



BALL NOSE IN-LINE LATCHING MALE CONNECTORS—CRIMPED
Cat. No. 22L21



BALL NOSE IN-LINE LATCHING FEMALE CONNECTORS—CRIMPED
Cat. No. 22L24

SPECIFICATIONS & FEATURES

- Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 480 volts AC 3-phase power to ships at dockside. Our latching connector series has been thoroughly and successfully tested by ETL Laboratories to meet Navy specifications, including intermateability with competition. Our latching connector series provides heavy duty, completely insulated connectors that are vibration-resistant and positively lock into place. Leviton latching connectors will not vibrate, twist or turn loose, ensuring high conductivity and maximum efficiency. Leviton contacts can be retrofitted to existing locations and power distribution systems. Our male contacts are designed to provide 40% more surface contact with the female vs. competitive products. The additional efficiency will help ensure greater conductivity while preventing burnout.
- The connectors and all components are completely interchangeable with competitive cam-type products.

TESTING & CODE COMPLIANCE

- ETL Tested, Report #521300
- Waterproof (when vulcanized) and fire-resistant for outside usage

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

22/23 Series — Latching Ball Nose/LatchingTaper Nose — Up to 690 AMP,* 600V

22L23-E

23L24-R

SPECIFICATIONS & FEATURES

- Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 480 volts AC 3-phase power to ships at dockside. Our latching connector series has been thoroughly and successfully tested by ETL Laboratories to meet Navy specifications, including intermateability with competition. Our latching connector series provides heavy duty, completely insulated connectors that are vibration-resistant and positively lock into place. Leviton latching connectors will not vibrate, twist or turn loose, ensuring high conductivity and maximum efficiency. Leviton contacts can be retrofitted to existing locations and power distribution systems. Our male contacts are designed to provide 40% more surface contact with the female vs. competitive products. The additional efficiency will help ensure greater conductivity while preventing burnout.
- The connectors and all components are completely interchangeable with competitive cam-type products.

Ball Nose—In-Line Latching Male Connectors—Crimped
(Cable Size: 500–750MCM)

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	22L23-E	22L23-C	22SVM-E
White	22L23-W	22L23-C	22SVM-W
Red	22L23-R	22L23-C	22SVM-R

Ball Nose—In-Line Latching Female Connectors—Crimped
(Cable Size: 500–750MCM)

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	22L26-E	22L26-C	22SVF-E
White	22L26-W	22L26-C	22SVF-W
Red	22L26-R	22L26-C	22SVF-R

Taper Nose—In-Line Latching Male Connectors—Crimped
(Cable Size: 250–350MCM)

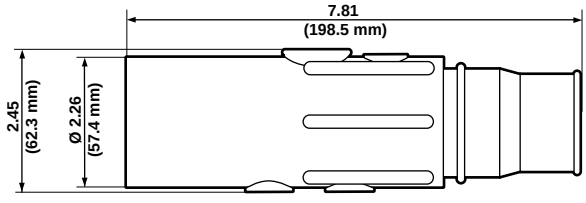
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	23L21-E	23L21-C	23SVM-E
White	23L21-W	23L21-C	23SVM-W
Red	23L21-R	23L21-C	23SVM-R

Taper Nose—In-Line Latching Female Connectors—Crimped
(Cable Size: 250–350MCM)

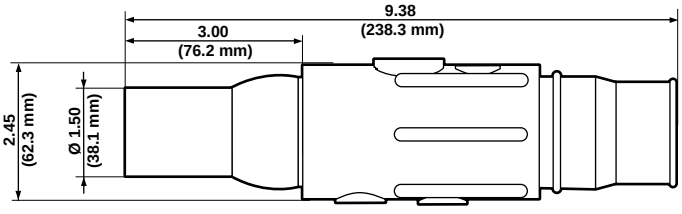
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	23L24-E	23L24-C	23SVF-E
White	23L24-W	23L24-C	23SVF-W
Red	23L24-R	23L24-C	23SVF-R

TESTING & CODE COMPLIANCE

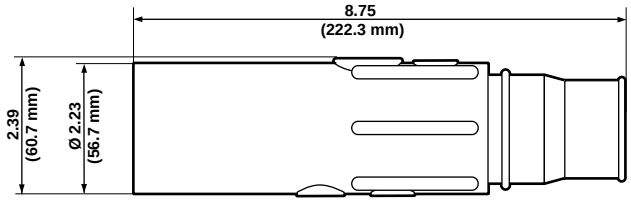
- ETL Tested, Report #521300
- Waterproof (when vulcanized) and fire-resistant for outside usage



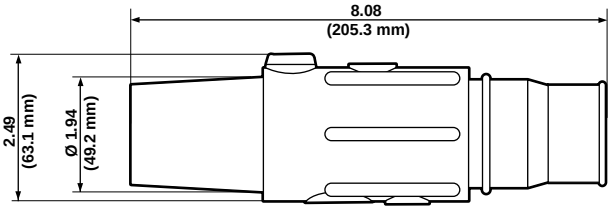
BALL NOSE IN-LINE LATCHING MALE CONNECTORS—CRIMPED
Cat. No. 22L23



BALL NOSE IN-LINE LATCHING FEMALE CONNECTORS—CRIMPED
Cat. No. 22L26



TAPER NOSE IN-LINE LATCHING MALE CONNECTORS—CRIMPED
Cat. No. 23L21



TAPER NOSE IN-LINE LATCHING FEMALE CONNECTORS—CRIMPED
Cat. No. 23L24

*Refer to Ampacity Chart for all cable sizes on page JJ2

22/23 Series — LatchingTaper Nose — Up to 690 AMP,* 600V

Taper Nose—In-Line Latching Male Connectors—Crimped
(Cable Size: 350–500MCM)

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	23L22-E	23L22-C	23SVM-E
White	23L22-W	23L22-C	23SVM-W
Red	23L22-R	23L22-C	23SVM-R

Taper Nose—In-Line Latching Female Connectors—Crimped
(Cable Size: 350–500MCM)

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	23L25-E	23L25-C	23SVF-E
White	23L25-W	23L25-C	23SVF-W
Red	23L25-R	23L25-C	23SVF-R
Blue	23L25-B	23L25-C	23SVF-B
Green	23L25-G	23L25-C	23SVF-G

Taper Nose—In-Line Latching Male Connectors—Crimped
(Cable Size: 500–750MCM)

COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	23L23-E	23L23-C	23SVM-E
White	23L23-W	23L23-C	23SVM-W
Red	23L23-R	23L23-C	23SVM-R
Blue	23L23-B	23L23-C	23SVM-B
Green	23L23-G	23L23-C	23SVM-G

Taper Nose—In-Line Latching Female Connectors—Crimped
(Cable Size: 500–750MCM)

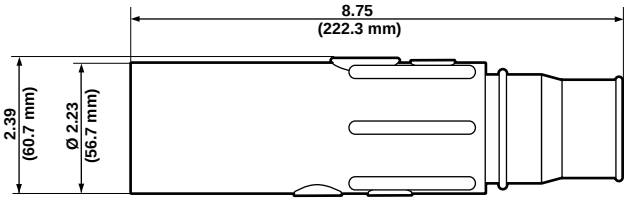
COLOR	COMPLETE CAT. NO.	CONTACT CAT. NO.	INSULATOR CAT. NO.
Black	23L26-E	23L26-C	23SVF-E
White	23L26-W	23L26-C	23SVF-W
Red	23L26-R	23L26-C	23SVF-R

SPECIFICATIONS & FEATURES

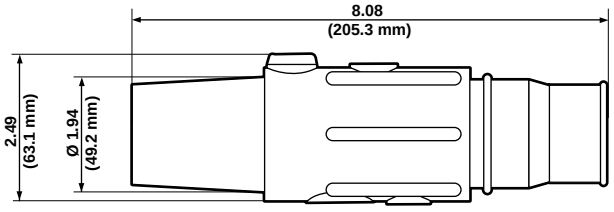
- Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 480 volts AC 3-phase power to ships at dockside. Our latching connector series has been thoroughly and successfully tested by ETL Laboratories to meet Navy specifications, including intermateability with competition. Our latching connector series provides heavy duty, completely insulated connectors that are vibration-resistant and positively lock into place. Leviton latching connectors will not vibrate, twist or turn loose, ensuring high conductivity and maximum efficiency. Leviton contacts can be retrofitted to existing locations and power distribution systems. Our male contacts are designed to provide 40% more surface contact with the female vs. competitive products. The additional efficiency will help ensure greater conductivity while preventing burnout.
- The connectors and all components are completely interchangeable with competitive cam-type products.

TESTING & CODE COMPLIANCE

- ETL Tested, Report #521300
- Waterproof (when vulcanized) and fire-resistant for outside usage



TAPER NOSE IN-LINE LATCHING MALE CONNECTORS—CRIMPED
Cat. No. 23L23



TAPER NOSE IN-LINE LATCHING FEMALE CONNECTORS—CRIMPED
Cat. No. 23L26

*Refer to Ampacity Chart for all cable sizes on page JJ2

Single Pole Cam-Type Connectors

22/23 Series — Latching Ball Nose/LatchingTaper Nose — Up to 690 AMP,* 600V

22R23-E

22R24-E

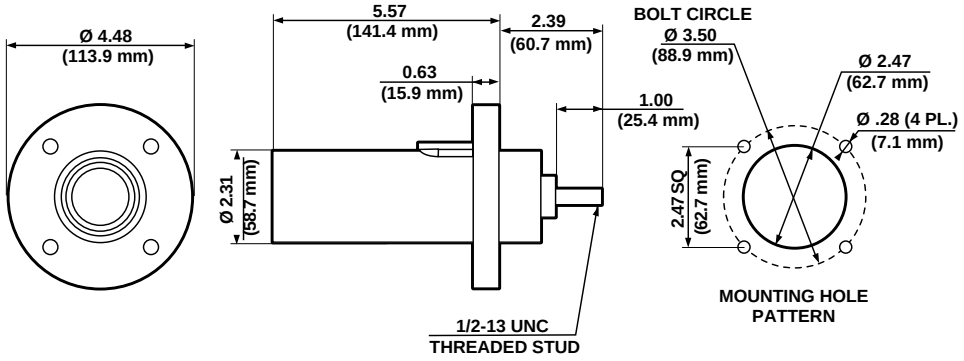
23R21-E

Ball Nose—Panel Receptacle—Threaded Stud ***(Cable Size: 250–750MCM)***

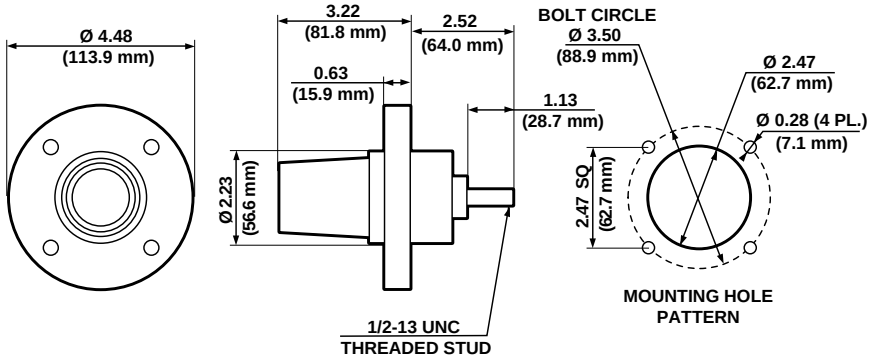
	90° STYLE MALE	FEMALE	30° STYLE MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
Black	22R21-E	22R22-E	22R23-E	22R24-E
White	22R21-W	22R22-W	22R23-W	22R24-W
Red	22R21-R	22R22-R	22R23-R	22R24-R

Taper Nose—Panel Receptacle—Threaded Stud ***(Cable Size: 250–750MCM)***

	90° STYLE MALE	FEMALE	30° STYLE MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
Black	23R21-E	23R22-E	23R23-E	23R24-E
White	23R21-W	23R22-W	23R23-W	23R24-W
Red	23R21-R	23R22-R	23R23-R	23R24-R
Blue	23R21-B	———	23R23-B	———
Green	23R21-G	———	23R23-G	———



90° MALE PANEL RECEPTACLE THREADED STUD—Cat. No. 23R21



90° FEMALE PANEL RECEPTACLE THREADED STUD—Cat. No. 23R22

SPECIFICATIONS & FEATURES

- Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 480 volts AC 3-phase power to ships at dockside. Our latching connector series has been thoroughly and successfully tested by ETL Laboratories to meet Navy specifications, including intermateability with competition. Our latching connector series provides heavy duty, completely insulated connectors that are vibration-resistant and positively lock into place. Leviton latching connectors will not vibrate, twist or turn loose, ensuring high conductivity and maximum efficiency. Leviton contacts can be retrofitted to existing locations and power distribution systems. Our male contacts are designed to provide 40% more surface contact with the female vs. competitive products. The additional efficiency will help ensure greater conductivity while preventing burnout.
- The connectors and all components are completely interchangeable with competitive cam-type products.

*Refer to Ampacity Chart for all cable sizes on page JJ2

22/23 Series — Latching Ball Nose/LatchingTaper Nose — Up to 690 AMP,* 600V

Protective Caps

	BALL NOSE		TAPER NOSE	
	MALE	FEMALE	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
Black	22P21-E	22P22-E	23P21-E	23P22-E
White	22P21-W	22P22-W	23P21-W	23P22-W
Red	22P21-R	22P22-R	23P21-R	23P22-R

22P21-E

22P22-E

Ball Nose—Thermoplastic Housing Panel Receptacle—Threaded Stud
(Cable Size: 250–350MCM)

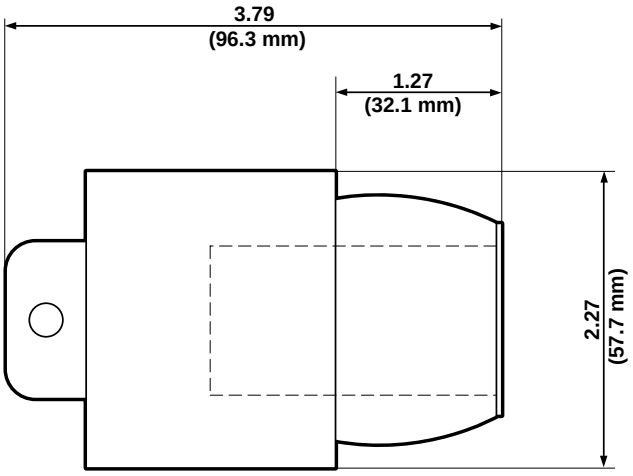
	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	22H21-E	22H22-E
White	22H21-W	22H22-W
Red	22H21-R	22H22-R

Taper Nose—Thermoplastic Housing Panel Receptacle—Threaded Stud
(Cable Size: 350–500MCM)

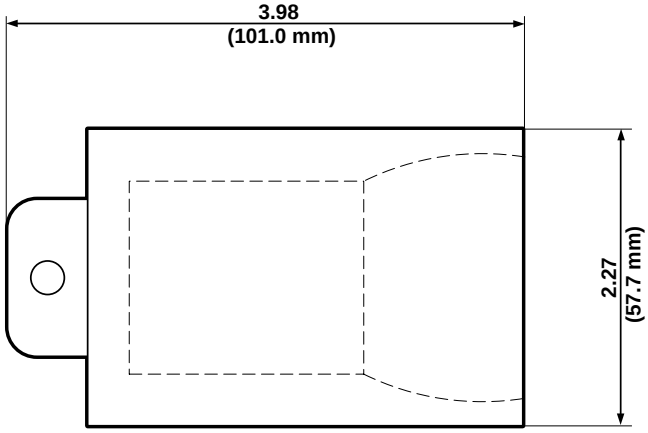
	MALE	FEMALE
COLOR	CAT. NO.	CAT. NO.
Black	23H21-E	23H22-E
White	23H21-W	23H22-W
Red	23H21-R	23H22-R

SPECIFICATIONS & FEATURES

- Leviton's Cam-Type positive latching connectors and receptacles are the standard used by Navy bases and shipyards in supplying 480 volts AC 3-phase power to ships at dockside. Our latching connector series has been thoroughly and successfully tested by ETL Laboratories to meet Navy specifications, including intermateability with competition. Our latching connector series provides heavy duty, completely insulated connectors that are vibration-resistant and positively lock into place. Leviton latching connectors will not vibrate, twist or turn loose, ensuring high conductivity and maximum efficiency. Leviton contacts can be retrofitted to existing locations and power distribution systems. Our male contacts are designed to provide 40% more surface contact with the female vs. competitive products. The additional efficiency will help ensure greater conductivity while preventing burnout.
- The connectors and all components are completely interchangeable with competitive cam-type products.



MALE PROTECTIVE CAP
Cat. No. 22P21



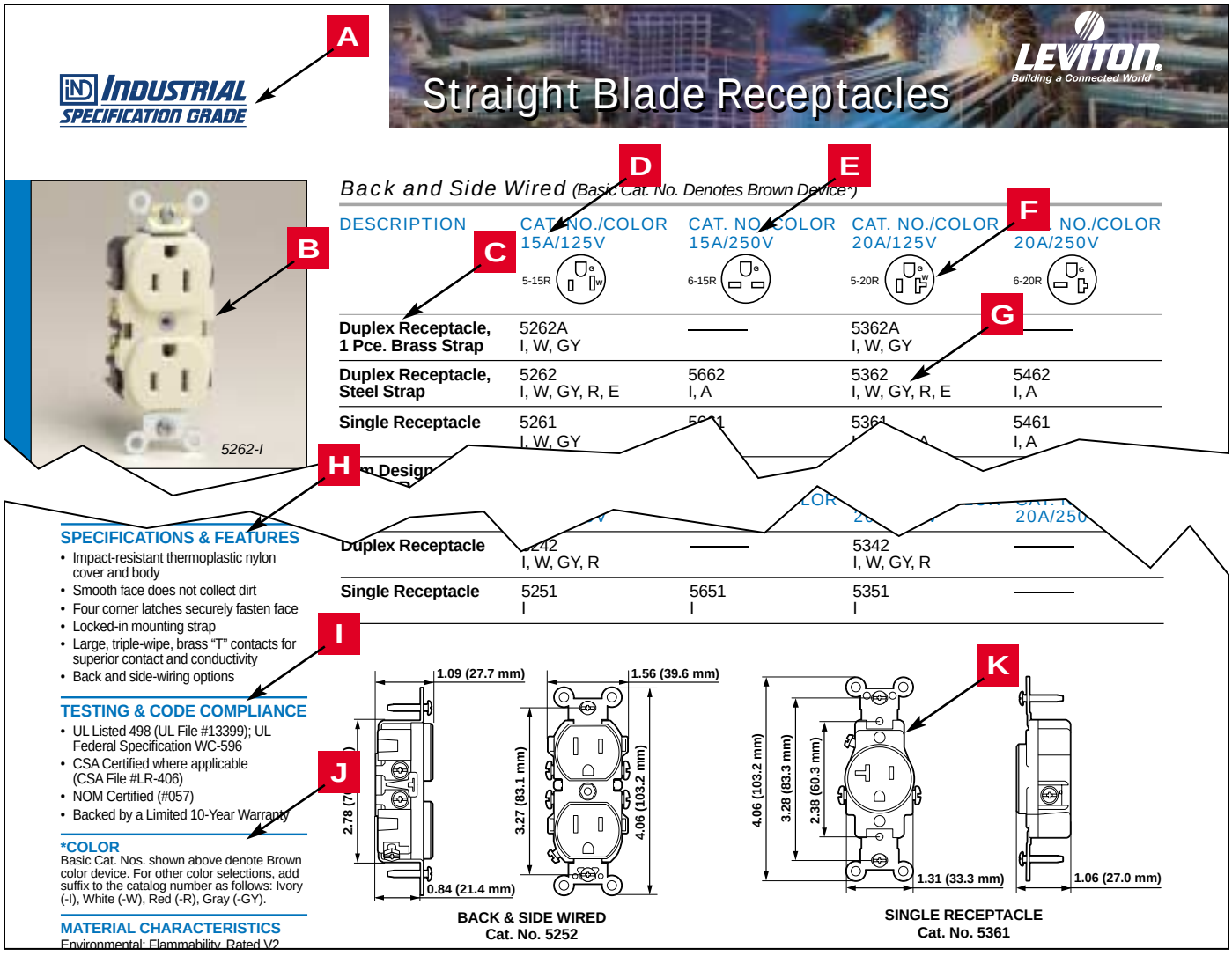
FEMALE PROTECTIVE CAP
Cat. No. 22P22

*Refer to Ampacity Chart for all cable sizes on page JJ2

How To Use This Catalog

This edition of the Leviton Wiring Device Catalog has been re-designed to help you find the device you're seeking in the quickest and easiest way possible. To achieve this, each Section (A, B, C, etc.) has been divided into three distinct portions in the following sequence — Industrial Specification Grade first, Commercial Specification Grade second, Residential Grade third — and grouped according to their amperage and voltage, lowest to highest. (Some product classes may have slight differences.) If you need to place an order for any quantity of 15 Amp, 125 Volt, Industrial Specification Grade duplex receptacles with back and side wiring, you would begin your search for the right Leviton product with the Table of Contents. Here you'll see that all receptacles are listed in Section D. Turning to Section D, you'll find that product descriptions now lead off each listing, so that you'll be able to understand what the device is about, functionally, in relation to your needs. Product description, in turn, is followed by Amps and catalog numbers for ordering purposes. To assist you further, such helpful highlights as Specifications & Features, Testing & Code Compliance, Color listing, Material Characteristics, color photos and dimensional drawings virtually fill each page. Four-color photographs have been added throughout the catalog to provide you with an enhanced view of the Leviton product line.

Any page in this D-502 Catalog can be used as a specificer sheet or as part of a presentation; and any page can be clearly faxed to customers and prospects. Product classes may also be pinpointed in the Quick Reference Guide following the Table of Contents. After turning to the proper page, you would locate the catalog number for the item that corresponds to your needs, along with basic information about similar items. Wiring diagrams, NEMA Configuration Charts, Electrical Industry Definitions, ANSI Architectural Symbols, and other related information can be found in the Technical Section (T). Specific product catalog numbers are listed in the exhaustive index at the back of the catalog.



A Choose GRADE, if appropriate

B PHOTOGRAPH

C Check for SINGLE or DUPLEX

D Find AMPERAGE

E Select RATING and WIRING

F Check for NEMA CONFIGURATION

G COLOR ABBREVIATIONS

H SPECIFICATIONS & FEATURES

I TESTING & CODE COMPLIANCE

J COLOR LISTING

K DIMENSIONAL ILLUSTRATIONS

Corrosion Resistant Devices

Leviton Corrosion Resistant devices are used in such extremely damp and corrosive environments as chemical production plants, food processing facilities and marine applications, where high resistance to moisture and chemicals is necessary for extended electrical and mechanical life. Corrosion resistant devices feature non-magnetic metal parts that will not interfere with navigational equipment in marine applications and heavy-duty, impact-resistant, all-nylon body construction.

The following pages provide a comprehensive overview of the complete Leviton Corrosion Resistant Devices product line. Ordering information, such as specifications, features, benefits, colors, photos and line drawings, will help you select the corrosion resistant devices best suited to meet your application requirements.

CORROSION RESISTANT DEVICES

Overview ____ K1
15 Amp Devices ____ K2
Boots & Covers for 15A Devices ____ K2
20 Amp Devices ____ K3
Boots & Covers for 20A Devices ____ K3
30 Amp Devices ____ K4
Boots & Covers for 30A Devices ____ K4
50 Amp Devices ____ K5
Boots & Covers for 50A Devices ____ K5
Telephone Devices ____ K5

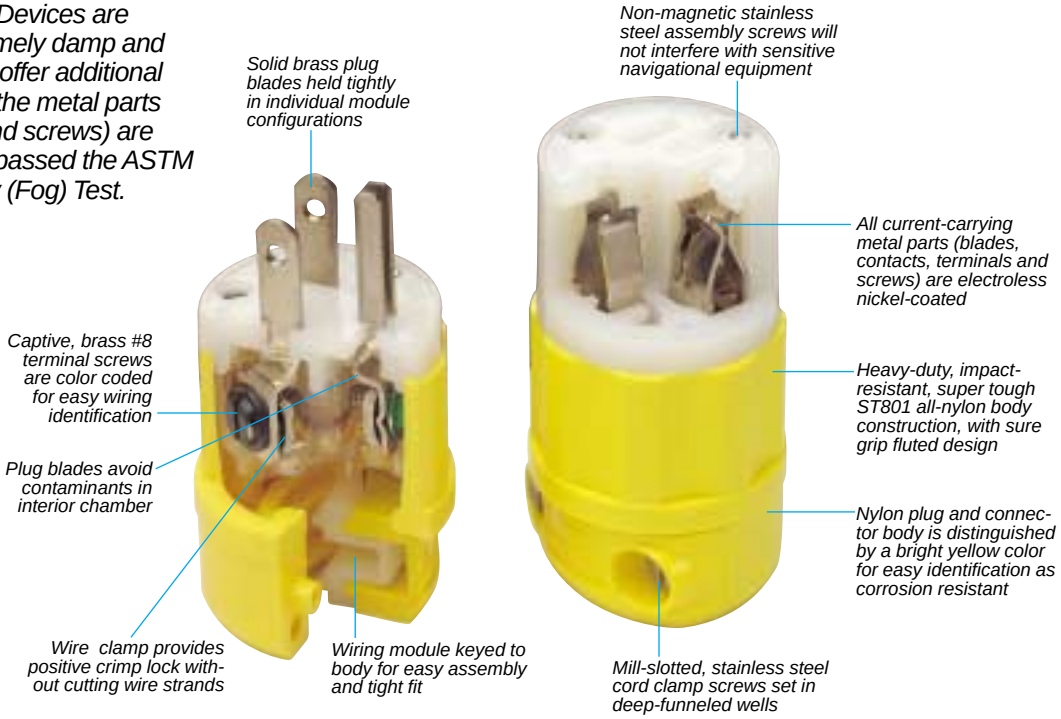
SECTION K

Corrosion Resistant Devices

Leviton's Corrosion Resistant Devices are specifically designed for extremely damp and corrosive environments. They offer additional corrosive resistance because the metal parts (blades, contacts, terminals and screws) are nickel-plated. They have also passed the ASTM (B117.13) 500 hour Salt Spray (Fog) Test.

Features and Benefits

- All current carrying metal parts (blades, contacts, terminals and screws) are electroless nickel-coated
- Cord clamp seats flush with body for all cable sizes from 10-3 ST to 18-3 SVT (.245"-.700"), providing positive strain relief while preventing damage to cable jacket
- Captive, brass #8 terminal screws are color coded for easy wiring identification: green (ground), brass (hot) and silver (neutral)



Cat. No. 52CM-66C *Cat. No. 52CM-69C*

Weather Resistant Boots and Covers for Corrosion Resistant Covers

Weather-resistant boots and covers for plugs and connectors are available for 15A, 20A, 30A and 50A straight and locking plugs and connectors. The tough, rubber triple-seal design protects devices against the harmful effects of dirt and moisture. Lexan covers for 15A, 20A and 30A flush receptacles have close-fitting, spring-loaded lids to protect outlets against the elements in harsh environments. Boots and covers are listed after their appropriate device.

A complete line of Industrial Specification Grade Corrosion Resistant Devices

Straight Blade Plugs & Connectors

These long-lasting top performers resist moisture, chemicals and impact.

Cat. No. 52CM-66C

Straight Blade Receptacles

Cover and body constructed of impact-resistant nylon for long life and service.

Cat. No. 52CM-62

Locking Plugs & Connectors

Provide the same impact, moisture and chemical resistance as the straight blade line.

Cat. No.26CM-11

Locking Receptacles

Built to the most demanding standards for performance and reliability.

Cat. No. 23CM-10

50 AMP Non-NEMA Devices

Designed for high-power marine applications.

Cat. No.6361-CR

Power Inlets

Fit flush on equipment mounting panels.

Cat. No.6374-CR

Phone Devices

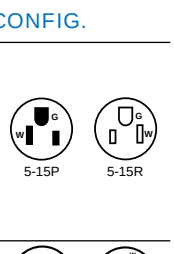
For marina and outdoor applications.

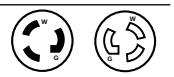
Cat. No. PH65-95

15 AMP Devices

15 AMP 125V 2-Pole 3-Wire Grounding

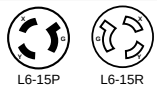
DESCRIPTION	CAT. NO.	NEMA CONFIG.
Straight Blade Plug, Yellow Nylon Body and Cord Clamp	52CM-66C	5-15P
Straight Blade Connector, Yellow Nylon Body and Cord Clamp	52CM-69C	5-15R
Duplex Receptacle, Smooth Face. One-Piece Electroless Nickel-Plated Brass Strap*	52CM-62	5-15R
Single Receptacle, Smooth Face**	5261-CR	5-15R
Locking Plug, Yellow Nylon Body and Cord Clamp	47CM-20C	L5-15P
Locking Connector, Yellow Nylon Body and Cord Clamp	47CM-29C	L5-15R
Single Locking Flush Receptacle†	47CM-10	L5-15R





15 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	NEMA CONFIG.
Locking Plug, Yellow Nylon Body and Cord Clamp	45CM-70C	L6-15P
Locking Connector, Yellow Nylon Body and Cord Clamp	45CM-79C	L6-15R



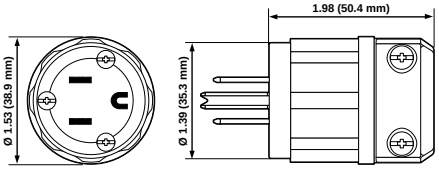
Boots and Covers for 15 AMP Corrosion Resistant Devices

DESCRIPTION	CAT. NO.
15A Straight Blade Plug Boot, black	6017
15A Straight Blade Plug Boot, High Visibility Yellow	6017-Y
15A Straight Blade Connector Boot, Black	6018
15A Straight Blade Connector Boot, High Visibility Yellow	6018-Y
15A Locking Plug Boot, Black	6017-L
15A Locking Plug Boot, High Visibility Yellow	6017-LY
15A Locking Connector Boot, Black	6018-L
15A Locking Connector Boot, High Visibility Yellow	6018-LY
Water-Resistant Flip Lid Cover, Gray Lexan. For use with 15A and 20A straight blade and 15A locking 3-wire FI and FO	WP1

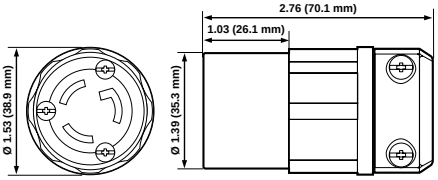
*UL Corrosion Resistant. Meets standards for UL Hospital Grade Listing and Federal Specification WC-596 requirements. Uses stainless steel wallplate Cat. No. 84003-40.

†Uses stainless steel wallplate Cat. No. 84004-40. For additional wallplate selections, please see Section G.

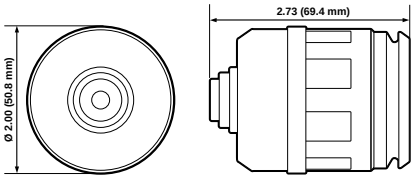
All devices are UL Listed and CSA Certified.



STRAIGHT BLADE PLUG
Cat No. 52CM-66C



LOCKING CONNECTOR
Cat. No. 47CM-29C



BOOT FOR STRAIGHT BLADE PLUG
Cat. No. 6017

52CM-66C

47CM-29C

SPECIFICATIONS & FEATURES

- All metal parts (blades, contacts, terminals and screws) are electroless nickel-coated
- Cord clamp seats flush with body for all cable sizes from 10-3 ST to 18-3 SVT (.245"-.700"), providing positive strain relief while preventing damage to cable jacket
- Captive, brass #8 terminal screws are color coded for easy wiring identification: green (ground), brass (hot) and silver (neutral)
- Super tough nylon plug and connector body is bright yellow for easy corrosion resistant identification
- Connector power contacts are heavy-duty, solid, one-piece brass, triple-wipe, set in deep pockets to resist rough use
- Heavy-duty, impact-resistant, super tough ST801 all-nylon body construction; fluted body design provides sure grip
- Wire clamp moves in individual chamber to provide positive crimp lock without cutting wire strands

TESTING & CODE COMPLIANCE

- Plugs and connectors pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion
- Designed to meet or exceed UL Fed Spec. Listing WC-596. UL Listed (File # E-13399 for receptacles; File # E-13393 for plugs and connectors)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Meets NEMA WD1 & WD6 requirements
- NEMA configuration and rating molded on front
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

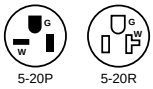
Environmental: Flammability, Rated V2

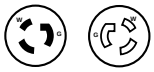
Operating Temperature: -40°C (without impact) to 65°C maximum continuous

20 AMP Devices

20 AMP 125V 2-Pole 3-Wire Grounding

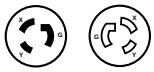
DESCRIPTION	CAT. NO.	NEMA CONFIG.
Straight Blade Plug, Yellow Nylon Body and Cord Clamp	53CM-66C	5-20P
Straight Blade Connector, Yellow Nylon Body and Cord Clamp	53CM-69C	5-20R
Duplex Receptacle, smooth face. One Piece Electroless Nickel-Plated Brass Strap*	53CM-62	5-20R
Locking Plug, Yellow Nylon Body and Cord Clamp	23CM-11	L5-20P
Locking Connector, Yellow Nylon Body and Cord Clamp	23CM-13	L5-20R
Single Locking Flush Receptacle†	23CM-10	L5-20R





20 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	NEMA CONFIG.
Single Locking Flush Receptacle†	23CM-20	L6-20R



Boots and Covers for 20 AMP Corrosion Resistant Devices

DESCRIPTION	CAT. NO.
20A Straight Blade Plug Boot, Black	6017
20A Straight Blade Plug Boot, High Visibility Yellow	6017-Y
20A Straight Blade Connector, Black	6018
20A Straight Blade Connector, High Visibility Yellow	6018-Y
3-Wire 20A Locking Plug Boot, Black	6031
3-Wire 20A Locking Plug Boot, High Visibility Yellow	6031-Y
3-Wire 20A Locking Connector Boot, Black	6032
3-Wire 20A Locking Connector Boot, High Visibility Yellow	6032-Y
Weather-Resistant Flip Lid Cover, high visibility yellow. For 20A and 30A single locking receptacles and FS/FD boxes.	7420-CR
Weather-Resistant Flip Lid Cover gray. For 20A and 30A 3-, 4-, and 5-wire locking FI and FO; also 30A and 50A 3-wire power receptacles	WP2

*UL Corrosion Resistant. Meets standards for UL Hospital Grade Listing and Federal Specification WC-596 requirements. Uses stainless steel wallplate Cat. No. 84003-40.

†Uses stainless steel wallplate Cat. No. 84020-40. For additional wallplate selections, please see Section G.

All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES

- All current-carrying metal parts (blades, contacts, terminals and screws) are electroless nickel-coated
- Cord clamp seats flush with body for all cable sizes from 10-3 ST to 18-3 SVT (.245"-.700"), providing positive strain relief while preventing damage to cable jacket
- Captive, brass #8 terminal screws are color coded for easy wiring identification: green (ground), brass (hot) and silver (neutral)
- Super tough nylon plug and connector body is bright yellow for easy corrosion resistant identification
- Connector power contacts are heavy-duty, solid, one-piece brass, triple-wipe, set in deep pockets to resist rough use
- Heavy-duty, impact-resistant, all-nylon body construction; fluted body design provides sure grip
- Wire clamp moves in individual chamber to provide positive crimp lock without cutting wire strands

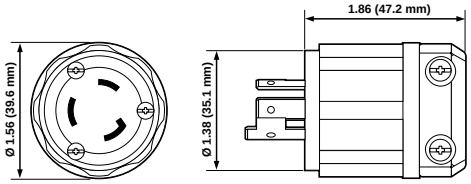
TESTING & CODE COMPLIANCE

- Plugs and connectors pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion
- Designed to meet or exceed UL Fed Spec. Listing WC-596. UL Listed (File # E-13399 for receptacles; File # E-13393 for plugs and connectors)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Meets NEMA WD1 & WD6 requirements
- NEMA configuration and rating molded on front
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2

Operating Temperature: -40°C (without impact) to 65°C maximum continuous

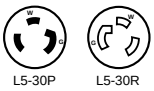


LOCKING PLUG
Cat No. 23CM-11C

30 AMP Devices

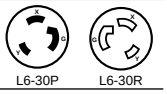
30 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	NEMA CONFIG.
Locking Plug, Yellow Nylon Body and Cord Clamp	26CM-11	L5-30P
Locking Connector, Yellow Nylon Body and Cord Clamp	26CM-13	L5-30R
Single Locking Flush Receptacle†	26CM-10	L5-30R
Power Inlet, 316 Stainless Steel with Threaded Cap	SS303	L5-30R



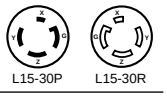
30 AMP 250V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	NEMA CONFIG.
Locking Plug, Yellow Nylon Body and Cord Clamp	26CM-21	L6-30P
Locking Connector, Yellow Nylon Body and Cord Clamp	26CM-23	L6-30R



30 AMP 3Ø 250V 3-Pole 4-Wire Grounding

DESCRIPTION	CAT. NO.	NEMA CONFIG.
Single Locking Flush Receptacle†	27CM-20	L15-30R

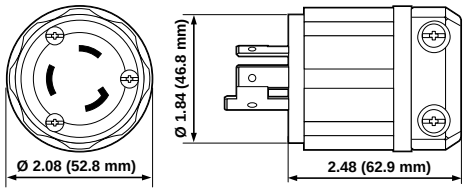


Boots and Covers for 30 AMP Corrosion-Resistant Devices

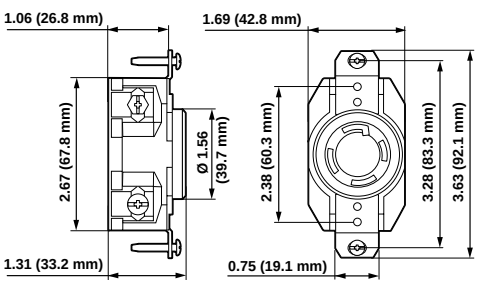
DESCRIPTION	CAT. NO.
3-Wire, 30A Locking Plug Boot, Black	6031
3-Wire, 30A Locking Plug Boot, High Visibility Yellow	6031-Y
3-Wire, 30A Locking Connector Boot, Black	6032
3-Wire, 30A Locking Connector Boot, High Visibility Yellow	6032-Y
Weather-Resistant Flip Lid Cover, high visibility yellow. For 20A and 30A single locking receptacles and FS/FD boxes.	7420-CR
Weather-Resistant Flip Lid Cover gray. For 20A and 30A 3-, 4-, and 5-wire locking FI and FO; also 30A and 50A 3-wire power receptacles	WP2

†Uses stainless steel wallplate Cat. No. 84020-40. For additional wallplate selections, please see Section G.

All devices are UL Listed and CSA Certified.



LOCKING PLUG
Cat No. 26CM-11



SINGLE LOCKING FLUSH RECEPTACLE
Cat No. 27CM-20

SS303

26CM-11

SPECIFICATIONS & FEATURES

- All current-carrying metal parts (blades, contacts, terminals and screws) are electroless nickel-coated
- Cord clamp ranges: Locking Plug: 20A, 3-wire & 30A, 3-wire (.385 to .780"); 20A, 4/5-wire (.595 to .895") ; 30A, 4/5-wire (.595 to 1.150"), providing positive strain relief while preventing damage to cable jacket
- Captive, brass #8 terminal screws are color coded for easy wiring identification: green (ground), brass (hot) and silver (neutral)
- Nylon plug and connector body is bright yellow for easy corrosion resistant identification
- Connector power contacts are heavy-duty, solid, one-piece brass, triple-wipe, set in deep pockets to resist rough use
- Heavy-duty, impact-resistant, all-nylon body construction; fluted body design provides sure grip
- Wire clamp moves in individual chamber to provide positive crimp lock without cutting wire strands

TESTING & CODE COMPLIANCE

- Plugs and connectors pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion
- Designed to meet or exceed UL Fed Spec. Listing WC-596. UL Listed (File # E-13399 for receptacles; File # E-13393 for plugs and connectors)
- CSA Certified (File #LR-406)
- NOM Certified (#057)
- Meets NEMA WD1 & WD6 requirements
- NEMA configuration and rating molded on front
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated V2
Operating Temperature: -40°C (without impact) to 65°C maximum continuous

Corrosion Resistant Devices

6364-CR

PH65-95

SPECIFICATIONS & FEATURES

- All current-carrying metal parts (blades, contacts, terminals and screws) are electroless nickel-coated
- Color coded wire entrance holes for simple and easy wiring
- Beveled rear housing prevents cord from getting caught on stairs, equipment, etc.
- Nylon plug and connector body are bright yellow for easy corrosion resistant identification
- Ribbed nylon housing for excellent impact resistance and secure gripping
- Neoprene gasket helps keep dirt and dust from entering termination area
- Stainless steel cord clamp opens wide for direct terminal access; added strip length for easy wire insertion into terminals
- Interior cord clamp opens wide to allow easy insertion of wires into terminals
- Longer contacts inside connector assure stronger, tighter fitting contact points

TESTING & CODE COMPLIANCE

Receptacles

- UL Listed (File #E-111198)

Plugs & Connectors

- UL Listed (File #E-57672)
- Telephone connecting devices are in accordance with Federal Communications Standards

MATERIAL CHARACTERISTICS

Environmental: Flammability, Rated UL94 V0

Operating Temperature: 125°C continuous (plugs & connectors)

130°C continuous (receptacles)

50 AMP Devices

50 AMP 125V 2-Pole 3-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	NON-NEMA CONFIG.
Locking Plug, Yellow Nylon Body and Cord Clamp	6361-CR	RECEPTACLE
Locking Connector, Yellow Nylon Body and Cord Clamp	6360-CR	
Single Locking Flush Receptacle	6370-CR	
Power Inlet, 316 Stainless Steel w/Threaded Cap	6372-CR	

50 AMP 125/250V 3-Pole 4-Wire Grounding Non-NEMA

DESCRIPTION	CAT. NO.	NON-NEMA CONFIG.
Locking Plug, Yellow Nylon Body and Cord Clamp	6365-CR	RECEPTACLE
Locking Connector, Yellow Nylon Body and Cord Clamp	6364-CR	
Single Locking Flush Receptacle	6369-CR	
Power Inlet, 316 Stainless Steel w/Threaded Cap	6374-CR	

Boots and Covers for 50 AMP Corrosion Resistant Devices

DESCRIPTION	CAT. NO.
50A Locking Plug Boot, High Visibility Yellow	7717-CR
50A Locking Connector Boot, High Visibility Yellow	7715-CR
Sealing Collar for 7715-CR & 7717-CR	510-R
Weatherproof Receptacle Cover with Lift Lid, Yellow Lexan	7788-CR

Corrosion-Resistant Telephone Devices

DESCRIPTION	CAT. NO.
Hull Inlet, 316 Stainles Steel, with Threaded Cap, contains Telephone and Cable TV Connections; Watertight	PH65-94
Portable Telephone Connection Cable Set for boats and RV's: 50-foot; Three-conductor #16 SJTO Yellow Vinyl Cord	PH65-99
RV Telephone Inlet with Spring-Loaded Lift Cover; Weatherproof with Cover Closed, fits FS and FD boxes	PH65-95
Marina and RV Park Telephone Outlet with Spring-Loaded Lift Cover; Weatherproof with Cover Closed, fits FS and FD boxes	PH65-97
Female Telephone Connector	PH66-24
Male Telephone Plug	PH66-25
TV Cable Set, 50-foot Standard 75 Ohm RG59-U with Quick Slip-on Connection on both hull inlet side and dock side; Heavy-duty Boots provided at each end	TV99

All devices are UL Listed only, not CSA Certified.

Lampholders

Leviton offers a complete selection of outlet box, incandescent, fluorescent and specialty lampholders, in various ratings and materials. The following pages offer a variety of types and styles.

INCANDESCENT LAMPHOLDERS

Overview ____ L1
Incandescent Lampholders ____ L1–L11
- Outlet Box ____ L2
- Keyless ____ L2
- Pull Chain ____ L2, L3
- Ball & Chain Accessories ____ L3

Metal Shell—Medium Base ____ L4, L5
- Interiors, Phenolic Body, Aluminum Screw Shell ____ L4

Brown Phenolic Cap and Shell, Medium Base, Electrolier Interiors ____ L4
Medium Base Multi-Lampholder Clusters ____ L5
Porcelain Par Connectors ____ L5
Bayonet Socket-Single Contact ____ L5
Porcelain Mogul Base ____ L6
Socket Extensions ____ L7
Appliance Heating Receptacle ____ L7
Porcelain & Phenolic ____ L7
Porcelain Snap-In ____ L8
Porcelain Keyless—Commercial Units ____ L8
Porcelain Keyless Fixture Single Circuit-Medium Base ____ L8
Porcelain Keyless Medium Base-Side Angle Mounted ____ L9
Phenolic Keyless Fixture—Medium Base ____ L9
Lampholders for Recessed Single Contact Lamps ____ L9
Candle Sockets ____ L9–L11

FLUORESCENT LAMPHOLDERS & STARTERS

Fluorescent Lampholders ____ L12–L15
- High Output Lamps ____ L12
- Slimline, Single Pin Lamps ____ L12
- Medium Bi-Pin Lamps ____ L12

Starter Bases—Medium Bi-Pin Lamps ____ L12
Medium & Miniature Bi-Pin Lamps Surface Mount ____ L13
Snap-In Slimline High Output ____ L13
Slide-On & Screw Mounted ____ L13
- Medium Bi-Pin Lamps ____ L13
- Medium Bi-Pin Straight-In Lamps ____ L13
- 4-Pin Long Twin Tube with 2G11 Base ____ L13

Compact Fluorescent Lampholders (CFL's) ____ L14–L15

SECTION L

RESI RESIDENTIAL GRADE

LEVITON Building a Connected World

Lampholders

A Variety of Incandescent and Fluorescent Styles in a Variety of Ratings and Materials

Outlet Box Lampholder

This one-piece pull chain incandescent lampholder, top wired, utilizes twist-lock mounting for convenient incandescent installation.

Cat. No. 8827-CW4

Metal Shell

Medium based, this incandescent electrolier lampholder is available in a variety of attractive finishes.

Cat. No. 9346-PG

Multi-Lampholder Cluster

Available in two- or three-lights, it has a treated aluminum screw shell.

Cat. No. 4034-F5A

Porcelain Mogul Base Lampholder

These lampholders come with leads, are keyless and single circuit.

Cat. No. 8806

Candle Sockets

Stylishly designed, they are available in phenolic, fiber disc and porcelain bodies.

Cat. No. 4155

Lampholder for High Output Lamps

Possessing silver plated contacts, these fluorescent lampholders are of the recessed, double contact, double pedestal type.

Cat. No. 464

Medium & Miniature Bi-Pin

These fluorescent lampholders, surface mounted, are offered with leads.

Cat. No. 395-W

Compact Fluorescent Lampholder

Developed for G23 and G23-2 lamp bases, they snap-in horizontally or screw-down vertically.

Cat. No. 26719-100

Outlet Box Lampholders

One-Piece Keyless Top Wired 660 WATT 600V

DESCRIPTION/ TERMINALS	WHITE UREA	O.D.	FITS BOX SIZE
2 Terminal Screws	8829-CW1	4½"	3¼" or 4"
6" Pigtail Leads	8829-CW2	4½"	3¼" or 4"
4 Terminal Screws	8829-CW4	4½"	3¼" or 4"

One-Piece Pull Chain Top Wired 660 WATT 250V

DESCRIPTION/ TERMINALS	WHITE UREA	O.D.	FITS BOX SIZE
2 Terminal Screws★	8827-CW1	4½"	3¼" or 4"
6" Pigtail Leads★	8827-CW2	4½"	3¼" or 4"
2 Terminal Screws with Captive Clamps★	8827-CW4	4½"	3¼" or 4"

One-Piece Keyless Top Wired 660 WATT 250V

DESCRIPTION/ TERMINALS	PORCELAIN	O.D.	FITS BOX SIZE
2 Screws★	9874	3¾"	3¼"
2 Screws★	9875	4½"	3¼" or 4"
6" Pigtail Leads	9875-2	4½"	3¼" or 4"
4 Screws	49875	4½"	3¼" or 4"
4 Quickwire Push-In★	9883	4½"	3¼" or 4"

One-Piece Pull Chain Top Wired 660 WATT 250V

DESCRIPTION/ TERMINALS	PORCELAIN	O.D.	FITS BOX SIZE
2 Screws	29816-C	4½"	3¼" or 4"
6" Pigtail Leads	29816-C2	4½"	3¼" or 4"
2 Screws w/Captive Clamps for 4-Wire Terminals★	49816-C	4½"	3¼" or 4"
Interior Mechanism for 2-Piece Outlet Box Lampholders	29816-CM*		

*When existing stock is depleted, this item will be DISCONTINUED.
All devices are UL Listed. Also CSA Certified except where indicated by★

8829-CW4

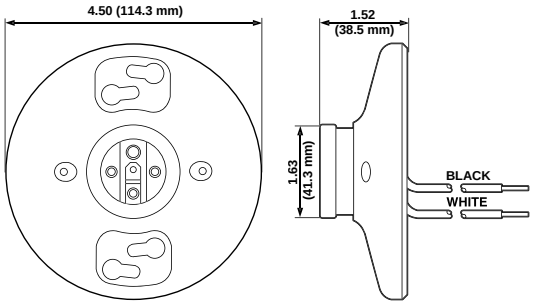
29816-C

SPECIFICATIONS & FEATURES

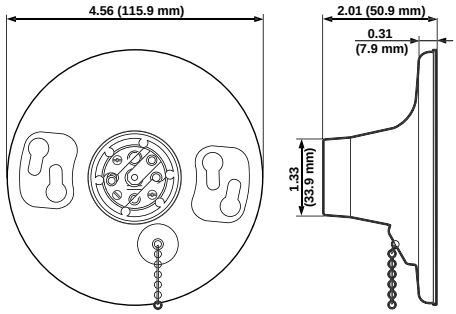
- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium base

TESTING & CODE COMPLIANCE

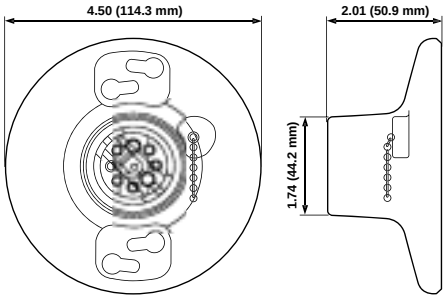
- UL Listed (File #E-3810)
- CSA Certified (File #LR-1863)



Cat No. 9875-2



Cat. No. 8827-CW4



Cat. No. 29816-C

9716-C

19726-C

SPECIFICATIONS & FEATURES

- 2-Pole, 2-Wire Outlet; 2-Pole, 3-Wire Outlet
- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord

TESTING & CODE COMPLIANCE

- UL Listed (File #E-3810; E-7516)
- CSA Certified (File #LR-1863)

Outlet Box Lampholders

660 WATT 125V Lampholder Outlet 15 AMP-125V
One-Piece Pull Chain Side Wired

DESCRIPTION/ TERMINALS	PORCELAIN	O.D.	FITS BOX SIZE	NEMA CONFIG.
2 Screws★	9716-C	4½"	3¼" or 4"	1-15R

660 WATT 125V Lampholder Outlet 15 AMP-125V
One-Piece Pull Chain Top Wired

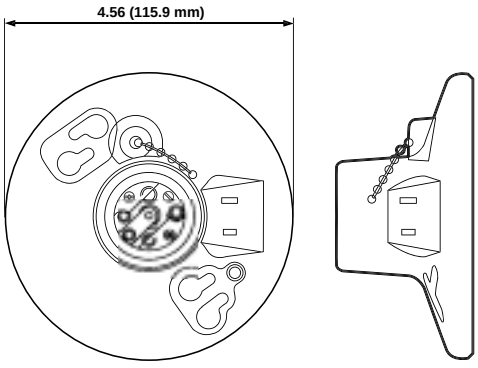
DESCRIPTION/ TERMINALS	PORCELAIN	O.D.	FITS BOX SIZE	NEMA CONFIG.
2 Screws★	9726-C	4½"	3¼" or 4"	5-15R

Ball and Chain Accessories

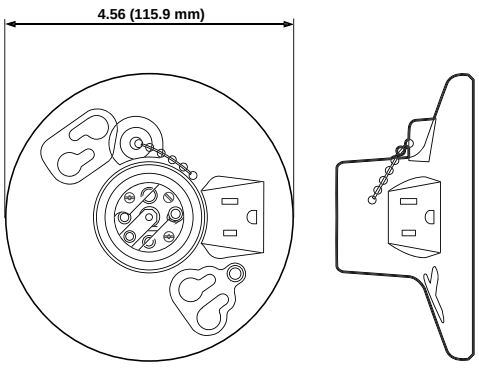
DESCRIPTION	BRASS FINISH	NICKEL FINISH	
No. 6 Chain; ⅛" Dia. Balls	18302-1	18302-1N	
Connector for No. 6 Chain	9820	9820-N	
Chain, 3 feet long, End Bell and Connector; use as extension or replacement; 1/25" Dia. Balls	6	6-N	

DESCRIPTION	BROWN	WHITE	
Insulating Link; Thermoplastic 1¾" Total Length	9839	9839-I	

*When existing stock is depleted, this item will be DISCONTINUED.
All devices are UL Listed. Also CSA Certified except where indicated by★



Cat. No. 9716-C



Cat. No. 9726-C

Metal Shell Lampholders

*Medium Base**

DESCRIPTION	CAT. NO.	RATING
Key—Electrolier; Single Circuit; ⅛ IPS Tapped Bushing w/Set Screw	9346	250W 250V
Removable Turn Knob—Electrolier; Single Circuit; ⅛ IPS Tapped Bushing w/Set Screw★	10083-16	250W 250V
Removable Turn Knob—Electrolier; 2-Circuit; 3 Terminal; ⅛ IPS Tapped Bushing less Set Screw★	7070	250W 250V
Removable Turn Knob—Electrolier; 2-Circuit; ⅛ IPS Tapped Bushing	7090	250W 250V
Pull Chain—Electrolier; Single Circuit; ⅛ IPS Tapped Bushing w/Set Screws	19980	660W 250V
Push Through—Electrolier; Single Circuit; ⅛ IPS Tapped Bushing w/Set Screw	7080	660W 250V
Keyless—Electrolier; Single Circuit; ⅛ IPS Tapped Bushing w/Set Screw	8004	660W 250V
Keyless—Short Electrolier; Single Circuit; ⅛ IPS Tapped Bushing w/Set Screw	9347	660W 250V

9346

10083-16

Metal Shell Lampholders

Interiors — Medium Base, Phenolic Body, Aluminum Screw Shell

LAMPHOLDER	CAT. NO. INTERIOR
19980	19980-M
10083-16	10083-M†
7070	7070-M†
7090	7090-M†
9346	9346-M†
6098	7080-M†
8004	8004-M†

Brown Phenolic Cap and Shell Lampholders

Two-Piece, Medium Base Electrolier Interiors

DESCRIPTION	CAT. NO.	RATING	INTERIORS
Pull Cord (nylon); 2-Circuit, ⅛ IPS Threaded Cap w/Set Screw	97092★	250W 250V	7092-2M†★
Push-Through; ⅛ IPS Threaded Cap w/Set Screw	95110	660W 250V	7080-M†
Keyless; ⅛ IPS Threaded Cap w/Set Screw	95080	660W 250V	8004-M†

†UL Recognized component.

All devices are UL Listed. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES

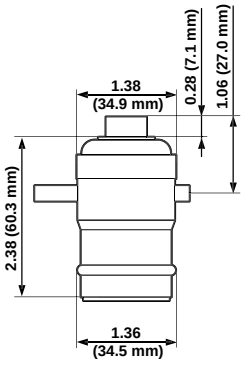
- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium base

TESTING & CODE COMPLIANCE

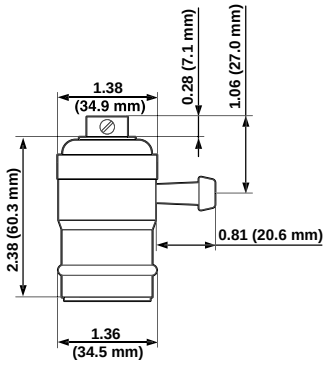
- UL Listed (File #E-3810)
- CSA Certified (File #LR-1863)

*COLOR

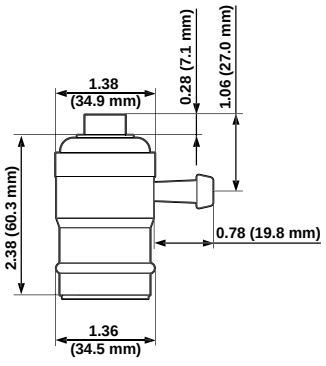
A suffix must be added to each basic catalog number to indicate the finish desired. For Polished Gilt/Brass finish, add -PG; for Unfinished Aluminum, add -AL; for Polished Aluminum, add -NI (finishes on aluminum). For bright dip/Brass, add -BR (finish on brass). CONSULT PRICE LIST FOR AVAILABILITY OF FINISHES.



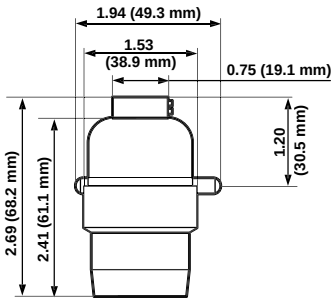
Cat No. 7080



Cat. No. 7090



Cat. No. 10083-16



Cat. No. 95110

Incandescent Lampholders

4034-F5A

341-D4U

SPECIFICATIONS & FEATURES

- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium and Candelabra bases

TESTING & CODE COMPLIANCE

- UL Listed (File #E-13405)
- CSA Certified (File #LR-5863)

Medium Base Multi-Lampholder Clusters

Treated Aluminum Screw Shell

DESCRIPTION	CAT. NO.	RATING	T	TA	B	BA	OAH T+B
2-Light Twin ⅛ IPS Male Top Bracket Only	4020-A3A	660W 250V	1 5/16	5/16	——	——	——
2-Light Twin ⅛ IPS Male (top & bottom)	4015-D4F	660W 250V	1 11/16	5/16	1 11/16	7/16	3 3/8
2-Light Offset ⅛ IPS Male (top & bottom)	4032-E5F	660W 250V	1 3/4	5/16	1 3/4	7/16	3 11/16
3-Light ⅛ IPS Male (top & bottom)	341-D4U	660W 250V	1 3/4	1/2	1 3/4	7/16	3 1/2
2-Light Offset ⅛ IPS Male (top); Pullchain Switch (bottom)★	4034-F5A	660W 250V 1A 125V T	1 3/4	5/16	1 15/16	1/2	3 3/4+
2-Light Twin ⅛ IPS Male (top); Pullchain Switch (bottom)★	4017-D2F	660W 250V 1A 125V T	1 1/16	5/16	1 11/16	3/8	2 13/16+

(A) Bottom attachment is 10097 single-pole pull chain with ½" usable shank.

(B) 10097 with ⅜" usable shank.

+Includes nut.

Leads are No. 18 AWG 105°C plastic; 9" long, stripped ¾"; untinned and pulled through top bracket.

Porcelain Par Connectors

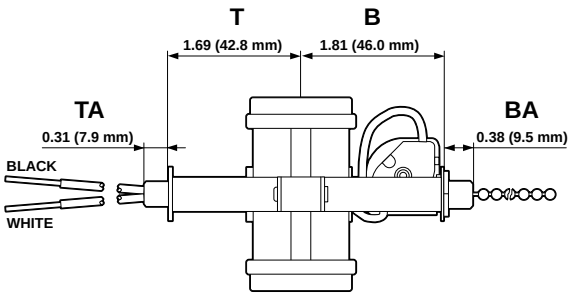
DESCRIPTION	CAT. NO.	RATING
Medium Base for PAR #46 and #39 lamps. Leads are No. 14 AWG 200°C SEW-2 Silicone Rubber Insulated; 18" Long, Stripped ¾". Others available on inquiry	368-1	660W 125V
Mogul Base for PAR #56 and #64 lamps. Leads are No. 14 150°C SEWF-2; 18" Long, Stripped ¾". Others available upon request	357-8	1000W 125V

Bayonet Socket — Single Contact

Candelabra Base

DESCRIPTION	CAT. NO.	RATING
Flat Bracket. Leads are No. 18 AWG, 105°C Plastic; 6" Long, Stripped ¾" (one black, one white)★	905	Low Voltage

All devices are UL Listed except Cat. No. 905. Also CSA Certified except where indicated by★



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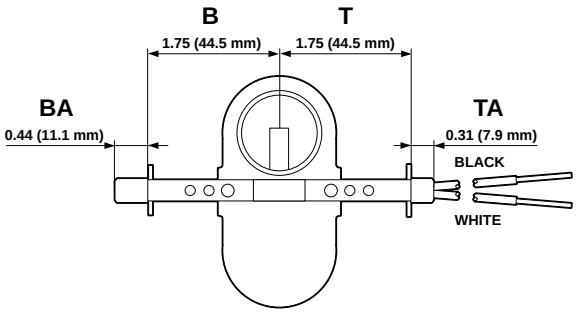

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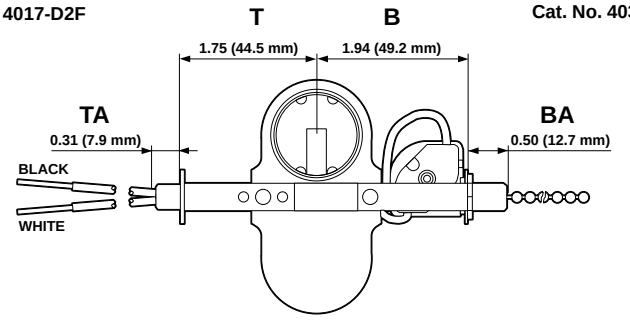


Cat. No. 4034-F5A

Porcelain Mogul Base Lampholders

*With Leads**

DESCRIPTION	CAT. NO.	RATING	OUTSIDE DIAMETER	OVERALL HEIGHT
Keyless, Single Circuit. For high pressure sodium lamps up to 1000 watts. 8-32 Mounting Screws on 1⅜" Centers	8746†	1500W 600V 5KV Pulse-rated	2⅛	3 1/64
Keyless, Single Circuit. Positon-oriented. For Super Metalarc HID lamps. 8-32 Mounting Screws on 1⅜" Centers	8750	1500W 600V	2 5/32	2 39/64
Keyless, Single Circuit. For high-pressure sodium lamps up to 400 watts. 8-32 Mounting Screws on 1⅜" Centers	8756†	1500W 600V 4KV Pulse-rated	2 5/32	2 39/64
Low Pressure Sodium. For use with all single-end bayonet base low pressure sodium lamps	8806	660W 1000V	1⅜	1⅝

*****Leads types, lengths and ratings vary with the end use applications. Standard leads as well as variations available on inquiry.

†UL recognized component when supplied with lock nut.

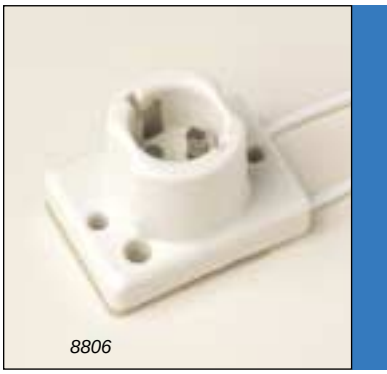
Screw Terminals

DESCRIPTION	CAT. NO.	RATING	OUTSIDE DIAMETER	OVERALL HEIGHT
Keyless; 2-Piece; Single-Pole★	8765	1500W 600V	2¼	2 23/64
Keyless;. Single Circuit with 8-32 Lock Nuts on 1⅜" Centers	8694††	1500W 600V	2 5/32	2 11/16

††Die-cast caps available on inquiry.

All devices are UL Listed. Also CSA Certified except where indicated by★

8756

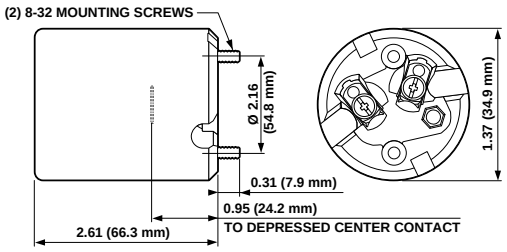

8806

SPECIFICATIONS & FEATURES

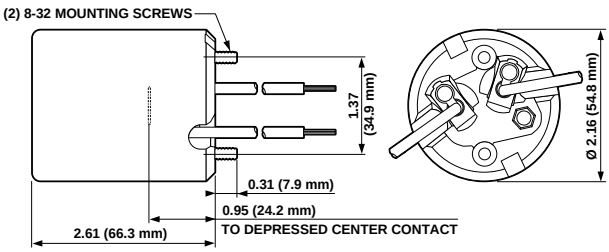
- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Mogul base

TESTING & CODE COMPLIANCE

- UL Listed (File #E-13402)
- CSA Certified (File #LR-1863)



Cat No. 8694



Cat. No. 8756

2004

9063

SPECIFICATIONS & FEATURES

- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium and Mogul bases

TESTING & CODE COMPLIANCE

- UL Listed (File #E-3810; E-13396)
- CSA Certified (File #LR-1863)

Socket Extensions — Single Circuit

Medium–Medium

DESCRIPTION	CAT. NO.	RATING
2-Piece Porcelain; Mounting Hole 1⅜" Dia. Extension 1¼"*	2004	660 250V
1-Piece Porcelain; Slotted Mounting Hole 1⅜" Dia. Extension 1¼"*	2005	660W 250V
1-Piece Phenolic. Extension 1 3/16"**	2006	660W 250V

*To be used with porcelain sockets only
**To be used with phenolic sockets only

Mogul-Mogul

DESCRIPTION	CAT. NO.	RATING
1-Piece Porcelain. Extension 2⅜"	8647	1500W 600V

Socket Adapter

Mogul-To-Porcelain Medium

DESCRIPTION	CAT. NO.	RATING
1-piece. Meets Fed. Spec. W-L-142a	8681	660W 250V

Appliance Heating Receptacle

Porcelain Two-Piece

DESCRIPTION	CAT. NO.	RATING
2-piece Heating Receptacle. Gasket Furnished	8110	660W 250V

Porcelain and Phenolic Lampholders

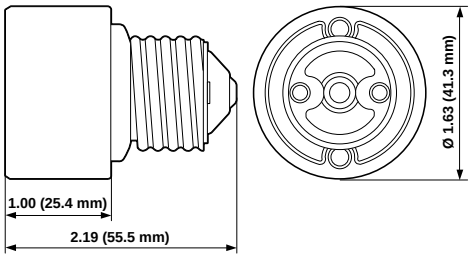
Pony Cleat Type

DESCRIPTION	CAT. NO.	RATING	OD	OH	C
Candelabra Base; Plastic. Not UL Listed★	10028	75W 125V	1 7/16	7/8	11/8
Miniature Base, Plastic★	10020	75W 125V	1 5/16	7/8	31/32
Medium Base, Phenolic	9063	660W 250V	1 7/8	1½	1 15/16
Medium Base, Porcelain	19062	660W 250V	1 7/8	1½	1 15/16

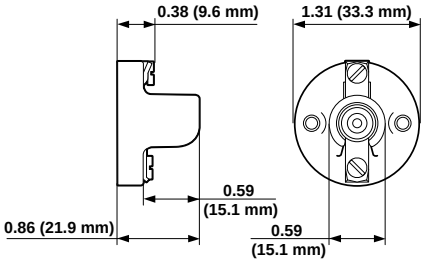
Surface Type

DESCRIPTION	CAT. NO.	RATING	OD	OH	C
Medium Base; Porcelain; Low 2-Piece	9880	660W 250V	2 5/16	1½	1⅜
Medium Base; Porcelain; High 2-Piece	9882	660W 250V	2 5/16	1 7/8	1⅜

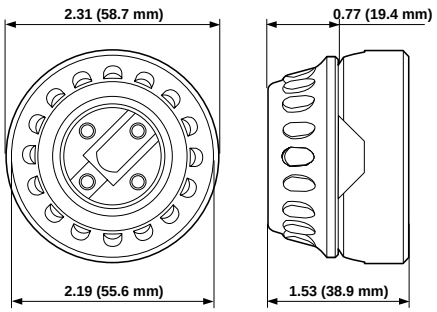
*To be used with porcelain sockets only.
**To be used with phenolic sockets only.
All devices are UL Listed. Also CSA Certified except where indicated by★



Cat No. 2005



Cat. No. 10020



Cat. No. 9880

Porcelain Snap-In Lampholders — Medium Base

Screw Terminals

DESCRIPTION	CAT. NO.	RATING	OD	OH
1-Piece, Front Mounted. ¼" Shoulder. Panel Thickness: .025 –.062"	8880	660W 250V	1 11/16	1 1/2
1-Piece, Front Mounted. Shallow Back. Panel Thickness: .030 –.062"	8875	660W 250V	1 11/16	1 11/16

Porcelain Keyless Lampholders Commercial Units — Medium Base

Single Circuit Screw Terminals

DESCRIPTION	CAT. NO.	RATING	OD	OH
Straight Body with Cap. Screw Terminals.	10045	660W 250V	1 1/2	2 1/8
Beaded Body for 1½" Clamp Style Shadeholder with Cap. Screw Terminals.	10065	660W 250V	Body 1 1/2 Bead 1 5/8	2 1/8
Adjustable Glass Retaining Ring with Cap and Ring Nut. Screw Terminals.	20070	660W 250V	2¼ ringnut	——
Straight Body with Leads. No. 18 AWG 105°C Plastic; 9" Long, Stripped ¾" with Two 6/32 Mounting Screws	10085	660W 250V	1 1/2	1 11/16

Porcelain Keyless Fixture Single Circuit — Medium Base

Screw Terminals

DESCRIPTION	CAT. NO.	RATING	OD	OH
1-Piece, Front Mounted for Fixture or Sign Use. Tapped 8-32 Bushings, Mounting Centers 1 13/16".	9885	660W 600V	1 5/8	1 7/16
2-Piece, Ring Type	9350	660W 250V	1 3/4	1 3/8
1-Piece with Removable Strap★	8871	660W 250V	1 11/16	1 9/16
Fixture Pan Lampholder with ⅛" IPS Hickey	3152-8	660W 250V	1 3/8	1 7/16

Leads

DESCRIPTION	CAT. NO.	RATING	OD	OH
2-Piece Ring Type with Leads: No. 18 AWG, 105°C Plastic; 9" Long, Stripped ¾"	8101	660W 250V	1 3/4	1 3/8
Angle Pan with Leads: No. 18 AWG Type AF 150°C Plastic; 9" Long, Stripped ¾"	18315	660W 250V	——	——
Removable Bracket with Leads	8052-1	660W 250V	1 3/8	1 7/16

Two-Piece Pull Chain

DESCRIPTION	CAT. NO.	RATING	OD	OH
Ring Type; Screw Terminals; Fasket Furnished★	9814	250W 250V	1 13/16	1 13/16

All devices are UL Listed. Also CSA Certified except where indicated by★

8880

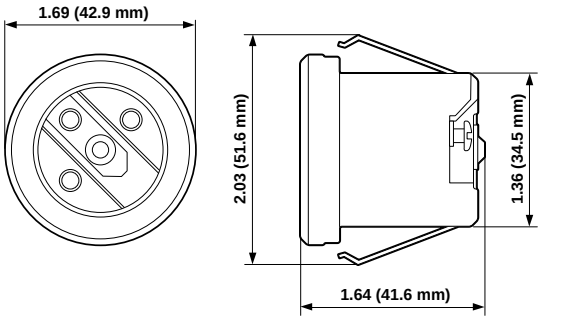
8101

SPECIFICATIONS & FEATURES

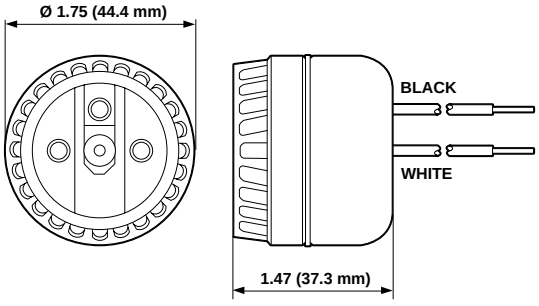
- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium base

TESTING & CODE COMPLIANCE

- UL Listed (File #E-3810)
- CSA Certified (File #LR-1863)



Cat No. 8880



Cat. No. 8101

3352-I

554

SPECIFICATIONS & FEATURES

- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium base

TESTING & CODE COMPLIANCE

- UL Listed (File #E-3810)
- CSA Certified (File #LR-1863)

Phenolic Keyless Fixture — Medium Base

Screw Terminals

DESCRIPTION	CAT. NO.	RATING
Permanent Bracket.* Terminal Out and Staked	3352-1	660W 250V
Same as 3352-1, with Shorter Bracket	3352-F	660W 250V
Removable Hickey.* Terminal Screws Backed Out and Staked	3352-8	660W 250V

*Hickeys and brackets are available in various types and sizes. Consult a Leviton representative for more information.

Porcelain Keyless, Side-Angle Mounted*— Medium Base

Screw Terminals

DESCRIPTION	CAT. NO.	RATING
Single Lampholder w/Side Outlet Bushing—⅛ IPS	10091	660W 250V
Twin Lampholder w/Bushed Flange—⅛ IPS	4010	660W 250V
Twin Lampholder w/Single Outlet Bushing—⅛ IPS	4005	660W 250V
Same as 4005 with ⅜ IPS Bushing	4006	660W 250V

*All bushings are tapped and have set screw

Lampholders for Recessed Single Contact Lamps

DESCRIPTION	CAT. NO.	RATING
Front Flange Mount. Standard Leads are No. 18 AWG, Type SEW-2, 200°C, 18" Long, Stripped ¾"	554	1750W 600V
Rear Flange Mount. Same Leads and Specs as No. 554	555	1750W 600V

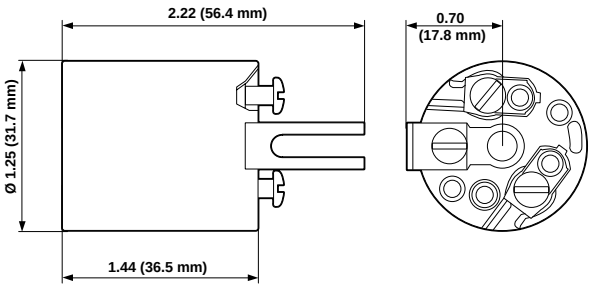
Candle Sockets, Bottom Turn Knob*— Medium Base

Screw Terminals

DESCRIPTION	CAT. NO.	RATING
Similar to 4158 (see page L10). 3 Light (Low, Medium, High). Knurl Nut★	4063	250W 250V

*⅛ IPS bushing and ⅛ IPS knurl nut in nickel finish. Locknuts are threaded ⅜-27.

All devices are UL Listed. Also CSA Certified except where indicated by★



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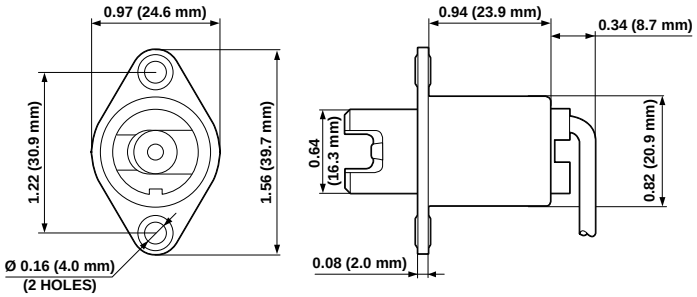


Cat. No. 554

Candle Sockets, Bottom Turn Knob — Medium Base

Screw Terminals

DESCRIPTION	CAT. NO.	RATING
1-Piece Phenolic Body; 2 Leg Bracket; Single Light; Removable Interior; Knurl Nut and Lock Nut	4155	660W 250V
2-Piece Phenolic Husk & Removable Interior Husk; Single Light; Knurl Nut	4158	660W 250V

Candle Sockets, Keyless*— Medium Base

Fiber-Disc Body, Screw Terminals

DESCRIPTION	CAT. NO.	RATING
Solid Hickey, 2" Overall Height	8684	660W 250V
Adjustable Hickey. Overall Height: 4 – 5¾"	9800	660W 250

***Insulating paper liner pushes down against hickey projections.

NOTE: These items are designed for use with standard socket candle tubes (1 15/16" dia.) and require a minimum of 13/16" dia. flat bottom of candle cup for clearance.

Candle Sockets, Phenolic*— Medium Base

With Removable Turn Knob

DESCRIPTION	CAT. NO.	RATING
Removable Knob (Short Type), Adjustable Hickey. Overall Height: 4 – 5½"	9805*	250W 250V
Removable Knob, Removable 1-Leg Hickey. Overall Height: 2 7/16"	9805-A*	250W 250V

***Medium base single circuit screw terminals.

NOTE: These items are designed for use with standard socket candle tubes (1 15/16" dia.) and require a minimum of 13/16" dia. flat at bottom of candle for clearance.

Candelabra Base, Keyless*

DESCRIPTION	CAT. NO.	RATING
Screw Terminals; Solid Hickey. Overall Height: 2"	10025	75W 125V
Screw Terminals; Solid Hickey. Overall Height: 1½"	10027	75W 125V
Screw Terminals; Adjustable Hickey: 3¼ – 4¾"	10026	75W 125V
Double Snap-In Spring Clips. Height of socket from panel is 1". Leads are No. 18 AWG 105°C plastic, 24" long, stripped ½"	10014-800	75W 125V

*7/8" candle tube. All hickeys tapped 1/8 IPS.

All devices are UL Listed. Also CSA Certified except where indicated by★

4155

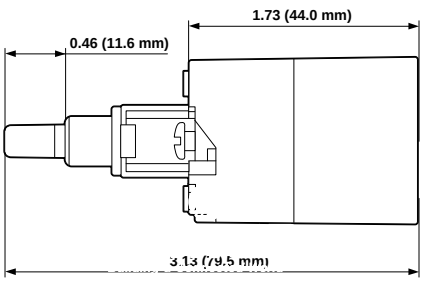
9805-A

SPECIFICATIONS & FEATURES

- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium and Candelabra bases

TESTING & CODE COMPLIANCE

- UL Listed (File #E-3810; E-13400)
- CSA Certified (File #LR-1863)



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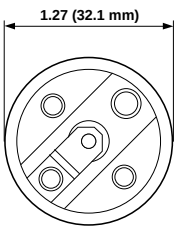
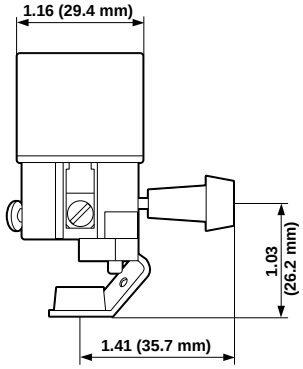




Cat. No. 9805-A

SPECIFICATIONS & FEATURES

- Twist-lock mounting
- Pull chain models have bell at end of chain on 3 foot cord
- Medium base

TESTING & CODE COMPLIANCE

- UL Listed (File #E-13400)
- CSA Certified (File #LR-1863)

Candle Sockets — Porcelain

Candelabra Base Screw Terminals

DESCRIPTION	CAT. NO.	RATING
Solid Hickey.* Overall Height: 2 3/32"★	20025	75W 125V

*Other hickey sizes available

Keyless Heavy Duty Phenolic Single Circuit Lampholders*

Two-Piece Pin Type

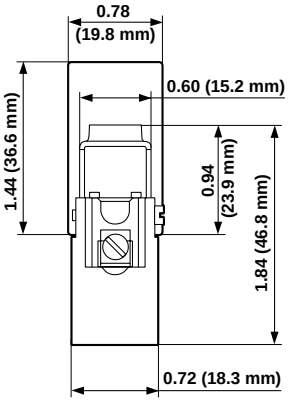
DESCRIPTION	CAT. NO.	RATING
Candelabra Base, Detachable Zinc-Plated Wire Hook. Accepts No. 20 – No. 18 Stranded Insulated Wire	267**	75W 125V
Medium Base, Detachable Zinc-Plated Wire Hook. Accepts No. 14 – No. 12 Stranded Insulated Wire	167**	660W 250V

*Linings assembled.
**For temporary lighting — not waterproof.

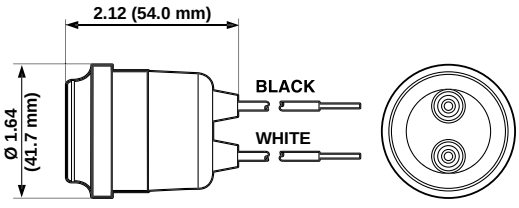
Pigtail Type Medium Base with Leads

DESCRIPTION	CAT. NO.	RATING
Vinyl, Phenolic Interior & Screw Shell, Brass Shell Contact. Leads are No. 14 AWG, 6" Long, Stripped ¾", Molded into Boots	55	660W 250V
Phenolic with Brass Screw Shell. Leads Soldered and Hot Waxed in Deep Well are No. 14 AWG 6" Long	157**	660W 250V
Same as 157 above, with Left-Hand Screw Shell	157-X**	660W 250V
Rubber, Aluminum Screwshell. Leads are No. 16 AWG, 6" Long, Soldered to Terminals and Sealed in Rubber Boot	124-D**	660W 250V

**For temporary lighting — not waterproof.
All devices are UL Listed except Cat.No. 124-D. Also CSA Certified except where indicated by★



Cat No. 20025



Cat. No. 55

For High Output Lamps

DESCRIPTION	CAT. NO. PLUNGER	CAT. NO. FIXED	RATING
Straight-In Wiring Through Wireways or Screw Terminals	464	465	660W 600V
Quickwire Terminals accept up to No. 18 Solid or Tinned Leads	13550	13551	600W 600V
Quickwire Terminals accept up to No. 18 Solid or Tinned Leads	13556	13557	600W 600V

For Slimline, Single Pin Lamps

DESCRIPTION	CAT. NO. PLUNGER	CAT. NO. FIXED	RATING
Butt-On Surface Mounting, 12" Leads	452 ———	——— 453	660W 1000V 660W 600V
Pedestal Base, Slide-On	466 ———	——— 467	660W 1000V 660W 600V
Shallow Base; Slide-On; Quickwire—for Wet & Damp Locations	2536 ———	——— 2537	660W 1000V 660W 600V

For Medium Bi-Pin Lamps

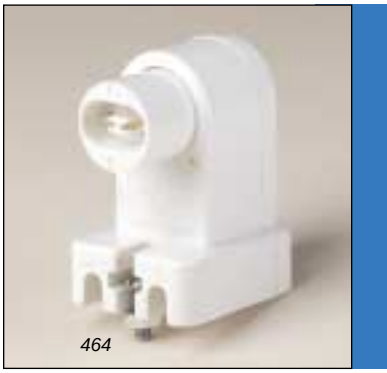
DESCRIPTION	CAT. NO. WHITE	RATING
Medium Bi-Pin, Quickwire	431-W	660W 600V
Medium Bi-Pin, Screw Terminal	390-1W	660W 600V
Same as above, with Starter Base	391-1W	660W 600V

Starter Bases

For Medium Bi-Pin Lamps

DESCRIPTION	CAT. NO.	RATING
Starter Base; Screw Terminals, Black	380	660W 250V
Starter Base; with Leads, Black	396	660W 250V

All devices are UL Listed. Also CSA Certified except where indicated by★

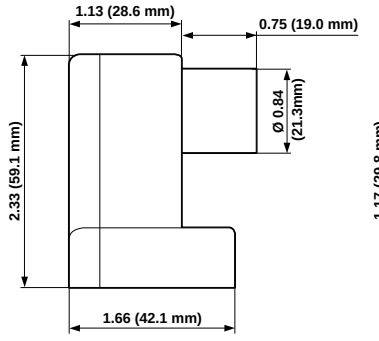


SPECIFICATIONS & FEATURES

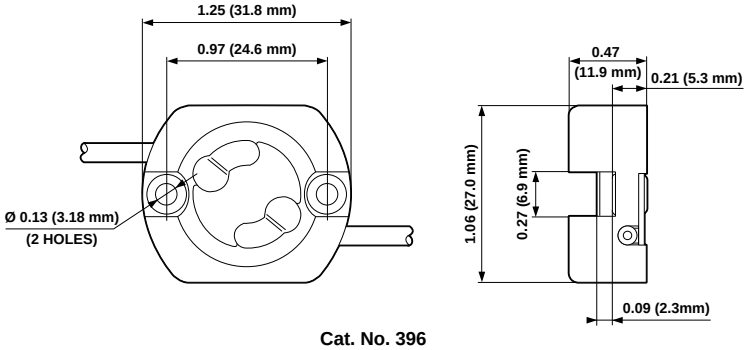
- Recessed, double contact double pedestal type
- Silver plated contacts

TESTING & CODE COMPLIANCE

- UL Listed (File #E-5833)
- CSA Certified (File #LR-1863; LR-5863; LR-2200)
- NOM Certified (#057)

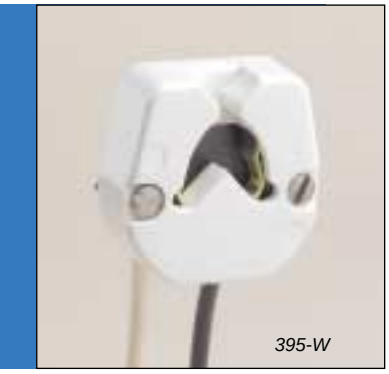


Cat No. 464



Cat. No. 396

Fluorescent Lampholders


395-W

13357-N

SPECIFICATIONS & FEATURES
- Recessed, double contact double pedestal type
- Silver plated contacts

TESTING & CODE COMPLIANCE
- UL Listed (File #E-5833)
- CSA Certified (File #LR-5863; LR-1863)
- NOM Certified (#057)

For Medium & Miniature Bi-Pin Lamps — Surface Mount

DESCRIPTION	CAT. NO. WHITE	RATING
Lampholders with Leads*	395-W	660W 600V
Disconnect with Leads*	389-W	660W 600V
Miniature Lampholder for T5 Lamp	420-W	75W 250V

*Leads are No. 18 AWG, 105°C plastic — 9" long.

For Snap-In Slim-Line Medium Bi-Pin High Output

DESCRIPTION	CAT. NO.	RATING
Slimline, Plunger	516	660W 1000V
Slimline, Fixed	517	660W 600V
Medium Bi-Pin, Plunger	518	660W 600V
Medium Bi-Pin, Fixed	519	660W 600V
High Output, Plunger	523	660W 600V
Hight Output, Fixed	524	660W 600V

Slide-On and Screw Mounted

For Medium Bi-Pin Lamps

DESCRIPTION	CAT. NO. WHITE	RATING
Short; Slide-On, with Captive Nut	13053-UN	660W 600V
Slide-On, with Captive Nut	13357-N	660W 600V
Screw, with Captive Nut	13359-N	660W 600V
Low Profile Disconnect, Slide-On	13351-D	660W 600V
Tall Profile Disconnect, Slide-On	13354-D	660W 600V
Low-Profile; Shunted, Slide-On	23351	660W 600V

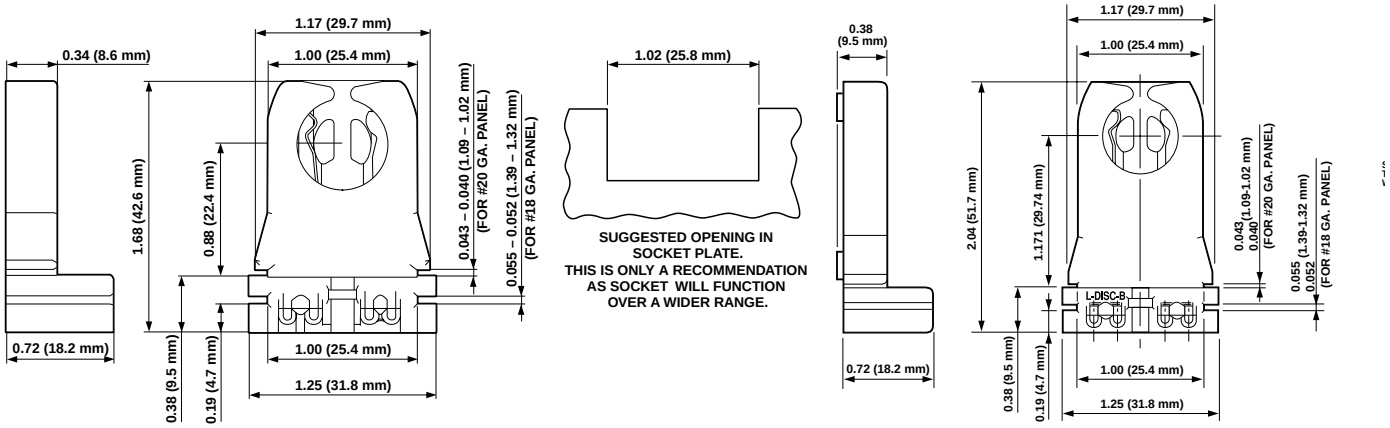
For Medium Bi-Pin Straight-In Lamps

DESCRIPTION	CAT. NO.	RATING
Low Profile, Slide-On	13150-UR5	660W 600V
Self-Locking; Slide-In, with Captive Nut. For use with T-8 Lamps	13451-N	660W 600V

4-Pin Long Twin Tube with 2G11 Base

DESCRIPTION	CAT. NO. WHITE	RATING
Slide-In, Quickwire	13452	660W 600V
Plastic Lamp Support Clip, Slide-On	23452-A	—
Plastic Lamp Support Clip, Screw Mount	23452-B	—

All devices are UL Listed and CSA Certified.



Cat No. 13351-D **Cat No. 13354-D**

10mm Compact Fluorescent Lampholders†

For G23 and G23-2 Lamp Bases
Rating: 75 WATT 600V

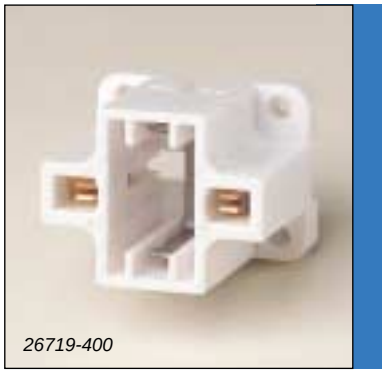
MOUNTING	CAT. NO.	COLOR	LAMP BASE	PHILIPS	OSRAM SYLVANIA	GE LIGHTING
Horizontal Snap-In	26719-100	White	G23, G23-2	PL-S, 5W, 7W, 9W	DULUX S 5W, 7W, 9W DULUX D 9W	BIAX, 5W, 7W, 9W DOUBLE BIAX 9W
Horizontal Screw-Down	26719-200	White	G23, G23-2			
Vertical Top Snap-In	26719-300*	White	G23			
4-Hole Vertical Screw-Down	26719-400	White	G23, G23-2			
Vertical Bottom Snap-In	26719-500	White	G23, G23-2			

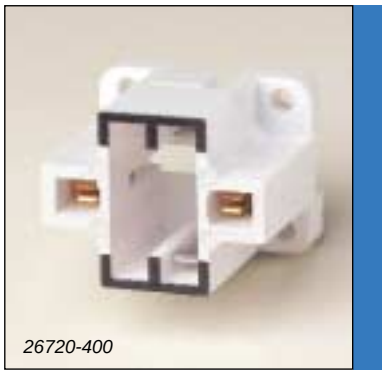
*Not compatible with 9-watt DTT lamps

For GX23 and GX23-2 Lamp Bases
Rating: 75 WATT 600V

MOUNTING	CAT. NO.	COLOR	LAMP BASE	PHILIPS	OSRAM SYLVANIA	GE LIGHTING
Horizontal Snap-In	26720-100	White w/Black	GX23, GX23-2	PL-S 13W PL-C 13W	DULUX S 13W DULUX D 13W	BIAX 13W DOUBLE BIAX 13W
Horizontal Screw-Down	26720-200	White w/Black	GX23, GX23-2			
Vertical Top Snap-In	26720-300*	White w/Black	GX23			
4-Hole Vertical Screw-Down	26720-400	White w/Black	GX23, GX23-2			
Vertical Bottom Snap-In For 18-20 Ga. Panels	26720-500 26720-520	White w/Black	GX23, GX23-2			

†White thermoplastic body
*Not compatible with 13-watt DTT lamps
All devices are UL Listed and CSA Certified.


26719-400

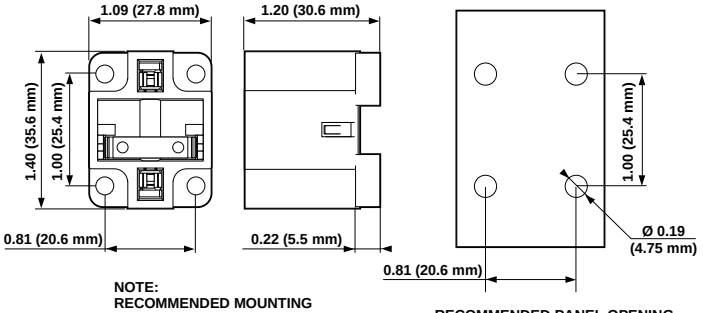

26720-400

SPECIFICATIONS & FEATURES

- "Smart" CFL Lampholders are color-coded for easy wattage identification
- Bottom snap-in versions for easier panel assembly
- Snap-In versions designed for 16 Ga. panels, except where noted
- Metal-spring lamp-retainer clip provides positive lamp retention and is more durable than plastic clips
- Two wiring ports per contact speed harness wiring
- Four screw holes for greater mounting flexibility
- Wire-routing options for top or bottom side of mounting panel for easier assembly

TESTING & CODE COMPLIANCE

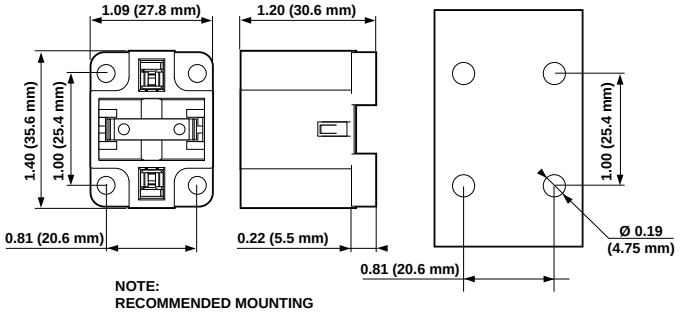
- UL Listed (File #E-5833)
- UL Listed for indoor and outdoor applications



NOTE:
RECOMMENDED MOUNTING
SELF-THREADING #8 SCREW

RECOMMENDED PANEL OPENING

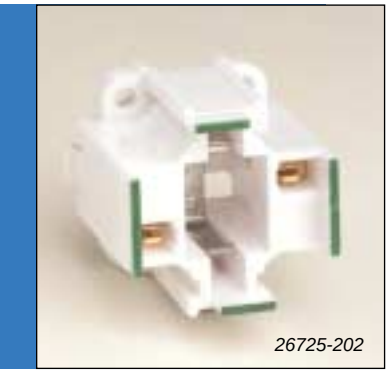
Cat No. 26720-400



NOTE:
RECOMMENDED MOUNTING
SELF-THREADING #8 SCREW

RECOMMENDED PANEL OPENING

Cat. No. 26719-400


26725-202

26725-401

10mm Compact Fluorescent Lampholders†

For G24d Lamp Bases 2-Pin — Rating: 75 WATT 600V

MOUNTING	CAT. NO.	COLOR BASE	LAMP	PHILIPS SYLVANIA	OSRAM LIGHTING	GE
Bottom Snap-In For 18-20 Ga. Panels	26725-201 26725-221	White w/Black	G24d-1	PL-C 10W, 13W	DULUX D 10W, 13W	DOUBLE BIAX 10W, 13W
Bottom Snap-In For 18-20 Ga. Panels	26725-202 26725-222	Green	G24d-2	PL-C 18-W	DULUX D 18W	DOUBLE BIAX 18W
Bottom Snap-In For 18-20 Ga. Panels	26725-203 26725-223	Orange	G24d-3	PL-C 26W	DULUX D 26W	DOUBLE BIAX 26W
4-Hole Bottom Screw-Down	26725-211	White w/Black	G24d-1	PL-C 10W, 13W	DULUX D 10W, 13W	DOUBLE BIAX 10W, 13W
4-Hole Bottom Screw-Down	26725-212	Green	G24d-2	PL-C 18W	DULUX D 18W	DOUBLE BIAX 18W
4-Hole Bottom Screw-Down	26725-213	Orange	G24d-3	PL-C 26W	DULUX D 26W DULUX T 26W	DOUBLE BIAX 26W

For G24q and GX24q Lamp Bases 4-Pin — Rating 75 WATT 600V — Suitable for Dimming or Electronic Ballasts

MOUNTING	CAT. NO.	COLOR BASE	LAMP	PHILIPS SYLVANIA	OSRAM LIGHTING	GE
Bottom Snap-In For 18-20 Ga. Panels	26725-401 26725-421	White w/Black	G24q-1	PL-C 10W, 13W	DULUX D/E 10W, 13W	DOUBLE BIAX 10W, 13W
Bottom Snap-In For 18-20 Ga. Panels	26725-402 26725-422	Green	G24q-2	PL-C 18W	DULUX D/E 18W	DOUBLE BIAX 18W
Bottom Snap-In For 18-20 Ga. Panels	26725-403 26725-423	Orange	G24q-3, GX24q-3	PL-C 26W PL-T 26W, 32W	DULUX D/E DULUX T/E 26W, 32W	DOUBLE BIAX 26W
Bottom Snap-In For 18-20 Ga. Panels	26725-404 26725-424	Yellow	GX24q-4	PL-T 42W	DULUX T/E 42W	PERFORMANCE BIAX 42W
Bottom Snap-In for Universal ballast only, 18-20 Ga. panels	26725-429	White	G24q-3 GX24q-4	PL-T 26W, 32W, 42W	DULUX T/E 26W, 32W, 42W	TRIPLE BIAX 26W, 32W, 42W
4-Hole Bottom Screw-Down	26725-411	White w/Black	G24q-1	PL-C 10W, 13W	DULUX D/E 10W, 13W	DOUBLE BIAX 10W, 13W
4-Hole Bottom Screw-Down	26725-412	Green	G24q-2	PL-C 18W	DULUX D/E 18W	DOUBLE BIAX 18W
4-Hole Bottom Screw-Down	26725-413	Orange	G24q-3, GX24q-3	PL-C 26W PL-T 26W, 32W	DULUX D/E DULUX T/E 26W, 32W	DOUBLE BIAX 26W
4-Hole Bottom Screw-Down	26725-414	Yellow	GX24q-4	PL-T 42W	DULUX T/E 42W	PERFORMANCE BIAX 42W
4-Hole bottom Screw-Down for Universal ballast only	26725-419	White	G24q-3 GX24q-4	PL-T 26W, 32W, 42W	DULUX T/E 26W, 32W, 42W	TRIPLE BIAX 26W, 32W, 42W

†White thermoplastic body

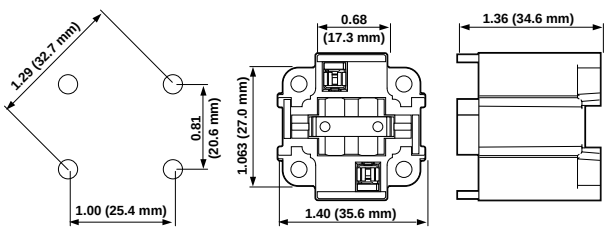
NOTE:Lamp names are trademarked by manufacturers

SPECIFICATIONS & FEATURES

- "Smart" CFL Lampholder are color-coded for easy wattage identification
- Bottom snap-in versions for easier panel assembly
- Snap-In versions designed for 16 Ga. panels, except where noted
- All 4-pin lampholders have internal rejection feature that prevents insertion of 2-pin lamps
- Metal-spring lamp-retainer clip provides positive lamp retention and is more durable than plastic clips
- Two wiring ports per contact speed harness wiring
- Four screw holes for greater mounting flexibility
- Wire-routing options for top or bottom side of mounting panel for easier assembly

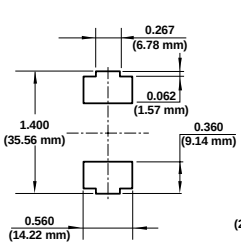
TESTING & CODE COMPLIANCE

- UL Listed (File #E-5833)
- UL Listed for indoor and outdoor applications when properly enclosed
- CSA Certified (File #LR-1863)

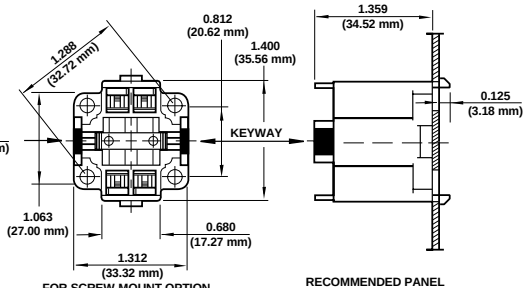


RECOMMENDED MOUNTING HOLE PATTERN

Cat No. 26725-213



RECOMMENDED PANEL OPENING



FOR SCREW-MOUNT OPTION, RECOMMENDED MOUNTING SCREW #8 SELF-CUTTING

RECOMMENDED PANEL THICKNESS - 16 GA.

Cat. No. 26725-401

Appliance Switches

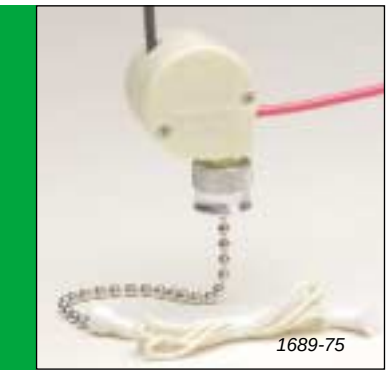
The Leviton wiring devices included in this section constitute only a partial listing of Leviton's complete appliance device line. To learn more about the availability of appliance devices to meet your specialized needs, please contact your Leviton representative.

RESIDENTIAL GRADE
APPLIANCE SWITCHES

Single Pole Pull Chain ____ **M1**
Single Pole Rotary ____ **M1**
Two Circuit Rotary ____ **M2**
Single Pole Pushbutton ____ **M2**
Fluorescent Starter Pushbutton ____ **M3**
Single Pole Toggle ____ **M3**
Feed-Through Cord Switch ____ **M4**
Miniature Feed-Through Cord Switch ____ **M4**

S E C T I O N M

Appliance Switches



1689-75

1475

SPECIFICATIONS & FEATURES

- Standard finish of metal chain is nickel
- Standard leads are No. 18 AWG 105°C plastic 6" long, stripped 1/2"
- 3 3/4" chain connector, 3' braided cord, end bell
- Bushing 3/8-27 x 3/8" long
- Piercing 13/32" dia.

Single Pole Rotary Switches

- Standard leads are No. 18 AWG 105°C plastic 6" long, stripped 1/2"

Cat. No. 90572

- Bushing 3/8-27 x 11/32" long; panel opening 13/32" dia.

Cat. No. 1476

- Bushing mount; shank 3/8-27 x 5/16" long to shoulder; panel opening 13/32" dia.

Cat. No. 1475

- Snap-in mount; panel thickness required — .037–.062"; panel opening 1/2" dia.

TESTING & CODE COMPLIANCE

- UL Recognized Component (File #E-7458)—Cat. Nos. 1689-75, 1689-50, 1691-50, 10041-500, 90572, 90577-010
- UL Listed (File #E-7443)—Cat. Nos. 10097-8, 1476-W, 1475
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

Single Pole Pull Chain Switches

3 AMP 125V AC-L 6 AMP 125V AC 3 AMP 250V AC 1/4 HP 125/250V

DESCRIPTION	CAT. NO.	SEQUENCE
Heavy Duty, Single Circuit, Black and Red Leads	1689-75	ON-OFF (L1, OFF)
Heavy Duty, Two Circuit, Four Positions, Black, Blue, Red Leads	1689-50	LOW-MED-HIGH-OFF (L1, L2, L1 & 2, OFF)
Heavy Duty, Two Speed, Four Positions, Black, Blue, Red Leads	1691-50	ONE-OFF-TWO-OFF (L1, L2, L3, OFF)

3 AMP 125V 1 AMP 125VT 1 AMP 250V

DESCRIPTION	CAT. NO.	SEQUENCE
Compact, Single Circuit, Black Leads	10097-8	ON-OFF

3 AMP 125V AC-L 6 AMP 125V AC 3 AMP 250V AC

DESCRIPTION	CAT. NO.	SEQUENCE
Compact, Single Circuit, Black Leads	10041-500	ON-OFF

Single Pole Rotary Switches

6 AMP 125V AC 3 AMP 250V AC

DESCRIPTION	CAT. NO.	SEQUENCE
Non-Removable Black Plastic Knob, Black Leads	90572	ON-OFF
Non-Removable Metal Knob, Brass or Nickel Finish, Black Leads	90577-010	ON-OFF

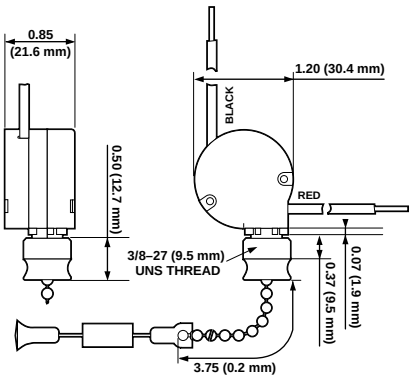
3 AMP 125V 1 AMP 125VT 1 AMP 250V

DESCRIPTION	CAT. NO.	SEQUENCE
Single Circuit, Smooth White Molded Plastic Knob, Black Leads. Bushing mounted	1476-W	ON-OFF

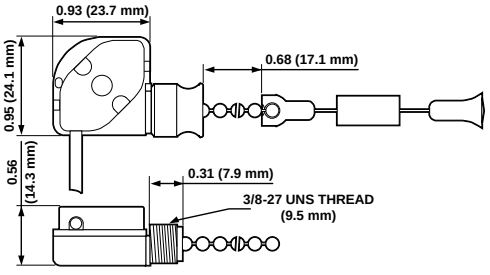
3 AMP 125V 1 AMP 125VT 1 AMP 250V

DESCRIPTION	CAT. NO.	SEQUENCE
Single Circuit, Smooth Black Molded Plastic Knob, Black Leads. Snap-in mounted	1475	ON-OFF

All devices are UL Listed and CSA Certified.



HEAVY DUTY PULL CHAIN SWITCH
Cat. No. 1689-75



COMPACT PULL CHAIN SWITCH
Cat. No. 10097-8

Two Circuit Rotary Switches

6 AMP 125VT 3 AMP 250V

DESCRIPTION	CAT. NO.	SEQUENCE
Two Circuit, Four Position, Heavy Duty, Black, Blue, Red Leads	663	LOW-MED-HIGH-OFF (L1, L2, L1 & 2, OFF)

3 AMP 125VT 1 AMP 250V

DESCRIPTION	CAT. NO.	SEQUENCE
Two Circuit, Four Position, Black, Blue, Red Leads	573	LOW-MED-HIGH-OFF (L1, L2, L1 & 2, OFF)

Single Pole Pushbutton Switches

3 AMP 125V AC-L 1.5 AMP 250V AC

DESCRIPTION	CAT. NO.	SEQUENCE
Single Circuit, Black Leads, Molded Brown Pushbutton	9575-250	ON-OFF

3 AMP 125V AC

DESCRIPTION	CAT. NO.	SEQUENCE
Single Circuit, Momentary, for double-insulated applications. Black leads	2591	NORMALLY OFF
Single Circuit, Momentary for double-insulated applications. Also rated 1.5 AMP 277V AC. Black leads	2592	NORMALLY ON

3 AMP 125V

DESCRIPTION	CAT. NO.	SEQUENCE
Single Circuit, Momentary, Metal Pushbutton, No. 18AWG Leads, with Jam Box, Mounting Screws and Cover Plate	1865	NORMALLY ON

3 AMP 125V AC-L 1.5 AMP 250V AC

DESCRIPTION	CAT. NO.	SEQUENCE
Single Circuit, Compact Body, Black Leads, Metal Pushbutton	90679-001	ON-OFF

3 AMP 125VT 1 AMP 250V

DESCRIPTION	CAT. NO.	SEQUENCE
Two Speed, Three-Position, Black, Blue, Red Leads	585	L1, L2, OFF

All devices are UL Listed and CSA Certified.

90679

1865

SPECIFICATIONS & FEATURES

Rotary Switches
- Standard leads are No. 18 AWG 105°C plastic 6" long, stripped 1/2"

Cat. Nos. 663, 573
- Bushing 3/8-27 x 3/8" long; panel opening 13/32" dia.; knob spindle 4-36 x 5/32"

Single Pole Pushbutton Switches
- Standard leads are No. 18 AWG 105°C plastic 6" long, stripped 1/2"
- Plastic actuators are brown molded plastic unless otherwise indicated

Cat. No. 9575-250
- Plastic button; bushing 3/8-27 x 11/32" long; panel opening 11/32" dia. Leads stripped 3/4"

Cat. Nos. 2591, 2592
- Plastic button; bushing 3/8-27 x 27/64" long
- 2591: One 12" lead and one 6" lead

Cat. No. 1865
- Bushing 15/32-32 x 18/32" long

Cat. No. 90679-001
- Metal button; bushing 3/8-27 x 27/64" long, leads stripped 3/4"

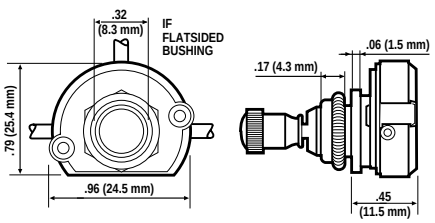
Cat. No. 585
- Metal button; bushing 3/8-27 x 27/64" long Leads stripped 3/4"

TESTING & CODE COMPLIANCE

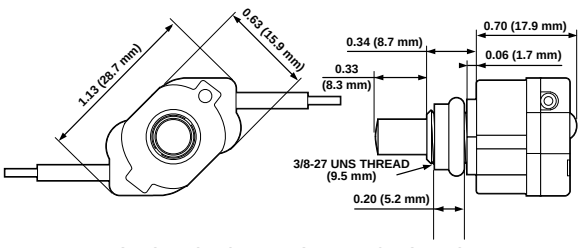
- UL Recognized Component (File #E-7458)—Cat. Nos. 9575-250, 2591, 2592, 1865, 90679-001, 585
- UL Listed (File #E-7443)—Cat. Nos. 663, 573
- CSA Certified (File #LR-3413)—All, except Cat. Nos. 2591 and 2592
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

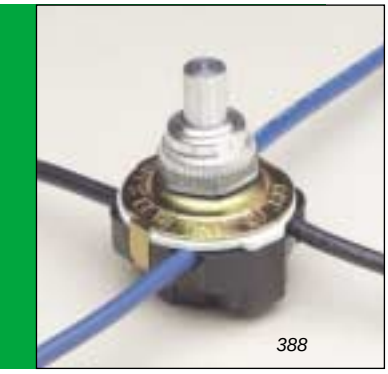
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C



TWO CIRCUIT ROTARY SWITCH
Cat. No. 573



SINGLE CIRCUIT PUSHBUTTON SWITCH
Cat. No. 9575-250


388

735

SPECIFICATIONS & FEATURES

Cat. Nos. 388, 9382
- Bushing 3/8-27 x 11/32" long; panel opening 13/32" dia.

Cat. No. 735
- Bushing 15/32-32 x 1/4" long

Cat. Nos. 720-L5, 1720-T
- Bushing 15/32-32 x 1/4" long

Cat. Nos. 1738, 738
- Bushing 15/32-32 x 11/32" long; panel opening 1/2" dia.

Cat. Nos. 5731, 5721
- Bushing 15/32-32 x 31/64" long. Bat-type toggle extends 11/16" from top of bushing

TESTING & CODE COMPLIANCE

- UL Listed (File #E-18134)—Cat. Nos. 388, 9382
- UL Listed (File #E-7458)—Cat. Nos. 735, 720-L5, 1720-T, 738, 1738, 5731, 5721
- CSA Certified (File #LR-8255)—Cat. No. 388
- CSA Certified (File #LR-3413)—Cat. Nos. 9382, 735, 720-L5, 1720-T, 738, 1738, 5731, 5721
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating

Pushbutton Switches Fluorescent Starter

40 WATT 125V AC

DESCRIPTION	CAT. NO.	SEQUENCE
Metal Button, 2 Black, 2 Blue Leads	388	ON-OFF
Plastic Button, 2 Black, 2 Blue Leads	9382	ON-OFF

Single Pole Toggle Switches

6 AMP 125V 3 AMP 250V

DESCRIPTION	CAT. NO.	SEQUENCE
Single-Throw Ball Toggle. Nickel Finish ON-OFF Indicator Plate keyed to bushing. #6-32 Brass Terminal Screws	735	ON-OFF

6 AMP 125V 3 AMP 125VT 3 AMP 250V

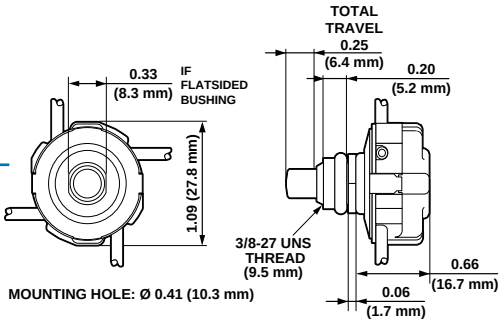
DESCRIPTION	CAT. NO.	SEQUENCE
Single-Throw Metal Bat Toggle. ON-OFF Indicator Plate keyed to bushing. No. 18 AWG leads.	720-L5	ON-OFF
Same as above, with Molded Nylon Bat Toggle. Meets UL requirements for double insulated applications	1720-T	ON-OFF

8 AMP 125V

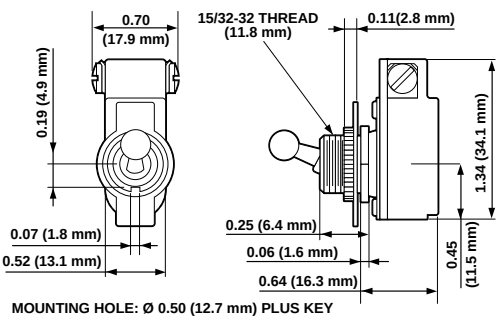
DESCRIPTION	CAT. NO.	SEQUENCE
Single-Throw Metal Bat Toggle. Nickel Finish ON-OFF Indicator Plate keyed to bushing with No. 16 AWG leads.	738	ON-OFF
Similar to Cat. No 738, with Black Molded Nylon Bat Toggle. No. 16 AWG leads. For double insulated applications	1738	ON-OFF

15 AMP 125V AC 10 AMP 250V AC 3/4 HP 125/250V AC

DESCRIPTION	CAT. NO.	SEQUENCE
Single-Throw Heavy-Duty Aluminum Bat Toggle. Stamped with ON-OFF marking. Screw terminals	5731	ON-OFF
Single-Throw Heavy-Duty Aluminum Bat Toggle. Stamped with ON-OFF marking. Quick connect tabs	5721	ON-OFF



FLUORESCENT STARTER SWITCH
Cat. No. 388



SINGLE POLE TOGGLE SWITCH
Cat. No. 735

Feed-Through Cord Switches

3 AMP 125V ½ H.P. 125V

DESCRIPTION	CAT. NO.	SEQUENCE	COLOR* Basic Cat. No. denotes Brown
Heavy Duty, Single Pole, 18/2 – 16/2 Type SPT-1, SPT-2 or Round Cord 18/2, Type SVT and other cords up to 9⁄32" outer jacket.	5410	ON-OFF	I, W

Miniature Feed-Through Cord Switch

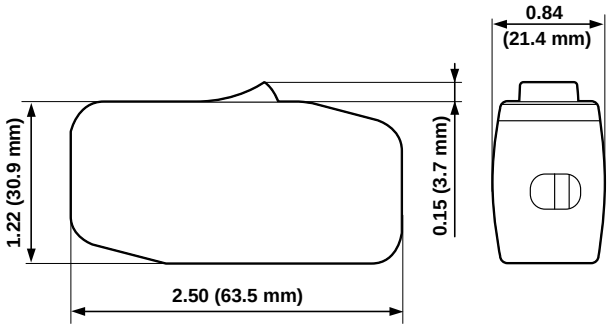
6 AMP 125V 3 AMP 125VT 3 AMP 250V

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. denotes Brown
Miniature Single Pole, ON-OFF Sequence, Captive Screw. For use with #18 ga. SPT-1 conductors	423-3	I, W

All devices are UL Listed.and CSA Certified.

5410

423



FEED-THROUGH SWITCH
Cat. No. 5410

TESTING & CODE COMPLIANCE

- UL Listed (File #E-7458)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

*COLOR

Basic Cat. No. denotes Brown. Add the suffix to catalog number as follows for additional color selections: Ivory (-I), White (-W).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

“Every home I’ve ever worked in needed a lot of electrical accessories. Somebody in the house was always plugged into something. So I always come prepared with Leviton taps, surface outlets, adapters, night lights, circuit testers, and child protection items. Whatever residential accessory you need, Leviton’s got it.”

Residential Contractor

Electrical Accessories

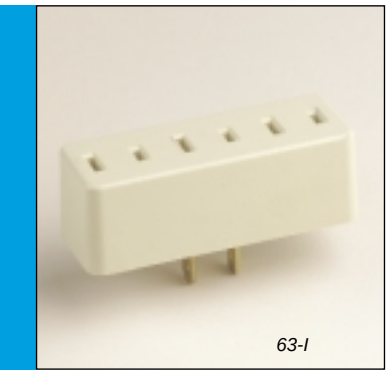
Leviton offers a variety of electrical accessories for residential use, including taps, surface outlets, adapters, night lights, circuit testers and safety items used for child protection

RESIDENTIAL ELECTRICAL ACCESSORIES

Taps and Surface Outlets ____ **N1**
Plug-in Outlet Adapters ____ **N1—N2**
Medium Base Lampholder Adapters ____ **N2**
Circuit Tester, Circuit Analyzer ____ **N2**
Night Lights ____ **N3**
Mini-Fluorescent Utility Light ____ **N3**
Child Protection Devices ____ **N3**

SECTION N

Electrical Accessories


63-I

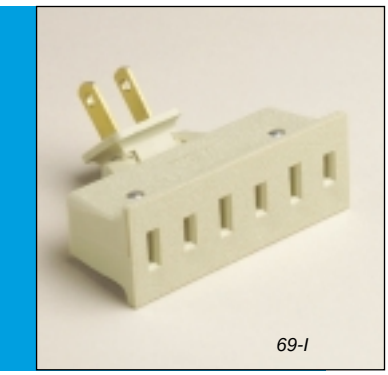

69-I

Table Taps and Surface Outlets

15 AMP 125V 2-Pole 2-Wire Non-Grounding

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Surface-Mount Triple Outlet 3 flat or 2 ground plugs accepted†★	303*	I	1-15R

15 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Double Surface-Mount, accepts up to No. 12 non-metallic sheathed cable, 2 round or flat plugs accepted	91	I	5-15R

Plug-In Outlet Adapters

15 AMP 125V 2-Pole 2-Wire Non-Grounding

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Single-to-Triple, Small, 2 round or 3 flat plugs accepted†★	62-P	I	
Single-to-Triple 3 round or flat plugs accepted	63	I, W, A	
Single-to-Triple Right Angle, 3 round or flat plugs accepted★	65	I, W	1-15R
Single-to-Triple, Swivel, 3 flat plugs accepted	69	I, W only (No Brown)	
Cube Tap, Vinyl, 3 round or flat plugs accepted	531	I, W	
2-Wire Parallel Duplex-to-Six, 6 flat or round plugs accepted★	49687	I, W only (No Brown)	

*All Leviton table taps and surface outlets are wired to No. 18-2 AWG parallel lamp cord, unless otherwise noted.
All devices are UL Listed except where indicated by†. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES

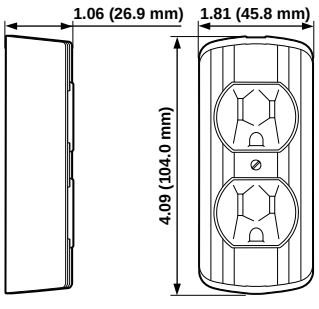
- Surface-mounting devices furnished with wood screws
- Terminal screws under removable cover permit easy wiring to parallel lamp cord
- Brown phenolic or Ivory urea plastic

TESTING & CODE COMPLIANCE

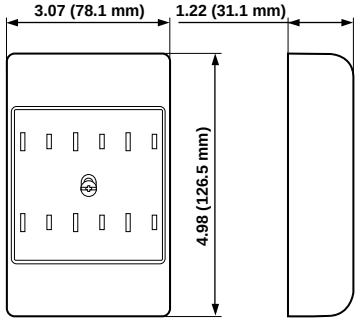
- UL Listed (File #E-13393 – Cat. Nos. 131 and 68; File #E-13394 – Cat. Nos. 62, 63, 65, 531, 49687, 49687-W, 49686, 49686-W, 697, 274, and 274-K; File #E-13399 – Cat. No. 91)
- CSA Certified (File #LR-406 – Cat Nos. 131, 91 and 68; File #LR-2780 – 62 and 64; File #LR-1523 – Cat. Nos. 63, 49686, 49686-W, and 1403; File #LR-61476 – Cat. Nos. 65 and 531; File #LR-91345 – Cat. No. 49666)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes Brown device. For other color selections, add suffix to catalog number as follows: Ivory (-I), White (-W) and Almond (-A).



DOUBLE SURFACE MOUNT OUTLET
Cat. No. 91



DUPLEX-TO-SIX OUTLET ADAPTER
Cat. No. 49687

Plug-In Outlet Adapters

15 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
3-Wire, U-Ground Duplex-to-Six, 6 small or 4 large plugs accepted	49686	I, W only	
3-Wire, U-Ground Single-to-Triple, 3 straight or angle plugs accepted★	697	I, W, A	5-15R
3-Wire, U-Ground Single-to-Triple, Vinyl, 3 straight or angle plugs accepted	699	Orange only	
3-Wire, U-Ground Single-to-Triple, 3 straight plugs accepted★	694	Orange only	

15 AMP 125V 2-Pole 2-Wire to 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	NEMA CONFIG.
Vinyl Adapter, 2-Wire to U-Ground, 1 straight or 1 angle plug accepted★	274	Gray only	5-15R
2-Wire to U-Ground, 3 straight plugs accepted★	698	I, W only	

NOTE: All Leviton #274 and #698 adapters ground to the outlet wallplate screws.

Medium Base Lampholder Outlet Adapters

15 AMP 660 WATT 125V 2-pole 2-wire

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Outlet-to-Lampholder★	61	I	
Lampholder-to-Outlet	125	White only	1-15R
Keyless Lampholder and 2 Outlets	1403	I	
Single Lampholder-to-Twin Lampholder (660W-250V)	128	I	

660 WATT 125V AC 2-Pole 2-Wire Max. Total

DESCRIPTION	CAT. NO.	COLOR* Basic Cat. No. Denotes Brown	NEMA CONFIG.
Pull Chain Lampholder and 2 Outlets. Pull chain controls lamp socket ONLY. Outlet continuously live.	1406	I	1-15R

Circuit Tester

90–300V 1/3 WATT

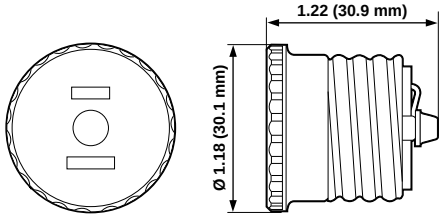
DESCRIPTION	CAT. NO.	NEMA CONFIG.
Neon Circuit Tester, Individually Carded★	49666	1-15P

3-Wire Circuit Analyzer

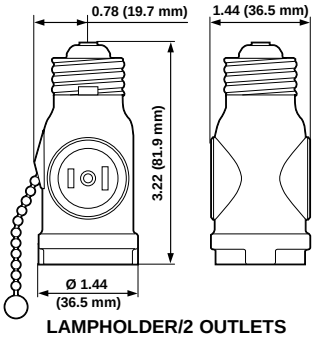
1/3 WATT 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	NEMA CONFIG.
3-Wire Circuit Analyzer★ (NOTE: Not UL Listed) Bulb not covered by warranty	7002	5-15P

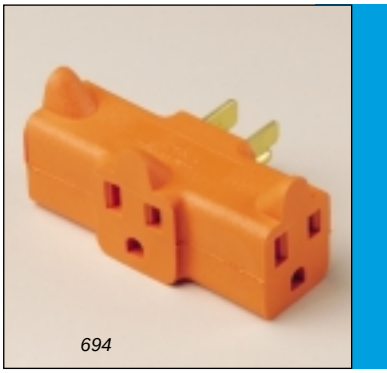
All devices are UL Listed. Also CSA Certified except where indicated by★

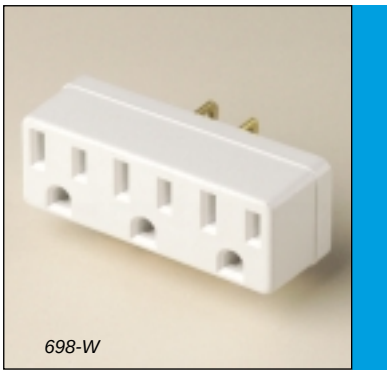


LAMPHOLDER-TO-OUTLET
Cat. No. 125



LAMPHOLDER/2 OUTLETS
Cat. No. 1406


694


698-W

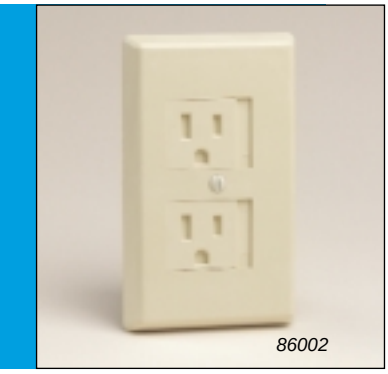
SPECIFICATIONS & FEATURES

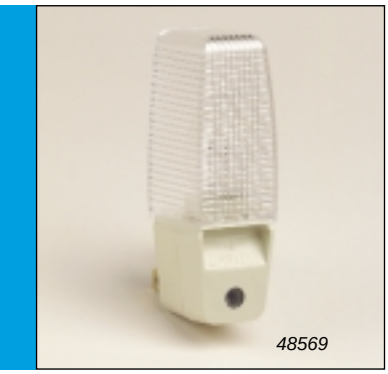
Circuit Tester
- Checks wiring continuity, outlets, switches, AC or DC current, fuses
- Neon light clearly visible through plastic case
- Bulb not covered by warranty

3-Wire Circuit Analyzer
- Indicates five wiring faults common in 3-wire receptacles, plus correct wiring
- Easy-to-read red and green indicator lights
- Simple instructions included

TESTING & CODE COMPLIANCE
- UL Listed (File #E-13393—Cat. No. 125; File #E-13394—Cat. Nos. 1403, 128, 1406, 694 and 698; File #E-90289—Cat. No. 49666)
- CSA Certified (File #LR-406—Cat. No. 125; File #LR-1523—Cat. No. 1403; File #LR-2780—Cat. No. 128; File #LR-91345—Cat. No. 49666)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR
Basic Cat. No. denotes Brown device. For other color selections, add suffix to catalog number as follows: Ivory (-I), White (-W) and Almond (-A).





Night Light

4 WATT 125V

DESCRIPTION	CAT. NO.	COLOR*
Night Light, Open Carded	6501	I, W
Night Light, Open Carded	6502	RO, BU

Mini-Fluorescent Utility Light

3 WATT Bulb 125V

DESCRIPTION	CAT. NO.	COLOR*
Utility Light with On/Off Switch	6508	White only
Utility Light with Automatic ON/OFF (On at dusk, off at dawn)	6508-SEN	White only

Child Protection Devices

Sensor-Lite™ Night Light 125V 4 WATT Lamp

DESCRIPTION	CAT. NO.	COLOR* *(Night Light Base)*
Sensor-Lite Night Light	48569	I, W, RO, WT, E, PH

NOTE: Turns ON automatically at dusk; OFF automatically at dawn. Rotating shade removes easily for bulb replacement. Special grip protects fingers from blades whem installing. Long-life 4 watt bulb included.

Outlet Cover Night Light 125V 1/4 WATT Bulb

DESCRIPTION	CAT. NO.	COLOR
Outlet Cover Night Light★	48500	White

Note: Provides a soft glow when plugged in. Covers both openings of a duplex standard or Decora outlet.

Outlet Caps

DESCRIPTION	CAT. NO.	COLOR
Outlet Caps	12777	Clear

Note: Insert into unused outlets to serve as a barrier. Can be easily removed by adults when needed for lights and appliances.

Child-Resistant Wallplates

DESCRIPTION	CAT. NO.	COLOR
Single Gang Child-Resistant Wallplates	86002	Wheat
Single Gang Child-Resistant Wallplates	88002	White

Tamper Resistant Receptacle 15 AMP 125V 2-Pole 3-Wire Grounding

DESCRIPTION	CAT. NO.	COLOR	NEMA CONFIG.
Tamper Resistant Receptacle	5321	I, W	5-15R

All devices are UL Listed. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES

Mini-Fluorescent Utility Light
- Ideal for nurseries, kitchens, hallways, stairways, boats and campers
- Completely portable, plugs into any standard outlet

Sensor-Lite™ Night Light
- Turns ON automatically at dusk; OFF automatically at dawn
- Rotating shade removes easily for bulb replacement
- Special grip protects fingers from blades when installing
- Long-life 4 watt bulb included

Outlet Cover Night Light
- Provides a soft glow when plugged in
- Covers both openings of a duplex outlet

Outlet Caps
- Insert into unused outlets to serve as a barrier
- Can be easily removed by adults when needed for lights and appliances

Child-Resistant Wallplates
- Sliding shutters block outlet openings from curious toddlers
- Shutters slide to one side when inserting plug
- Easily replace existing wallplates

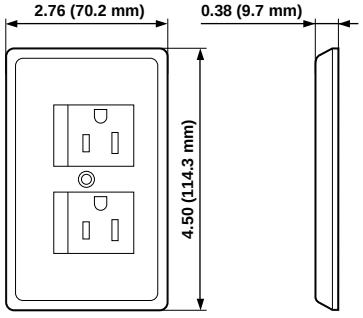
Tamper Resistant Receptacle
- Exclusive design helps prevent insertion of anything but a properly rated plug
- Floating shutters behind outlet faces block clear access to energized contacts

TESTING & CODE COMPLIANCE

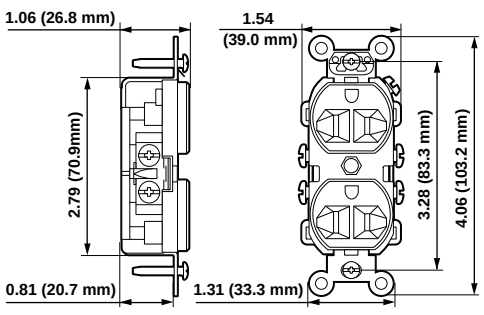
- UL Listed (File #E-121173—Cat. No. 48569; File #E-109152—Cat. No. 48500; File #E-7416—Cat. No. 12777; File #E-13399—Cat. No. 5321; File #E-39445—Cat. Nos. 6501, 6502, 6508 and 6508-SEN)
- CSA Certified (File #LR-1863—Cat. Nos. 48569, 6501, 6502, 6508 and 6508-SEN; File #LR-406—Cat. No. 5321)
- NOM Certified (#057)

*COLOR

Add suffix to catalog number as follows for color selections: Ivory (-I), White (-W), Black (-E), Blue (-BU), Rose (-RO), Wheat (-WT), Peach (-PH).



CHILD-RESISTANT WALLPLATE
Cat. No. 86002



TAMPER-RESISTANT RECEPTACLE
Cat. No. 5321

Lighting and Fan Speed Controls

Architectural Specification, Commercial Specification and Residential Grade

Whether it's advanced architectural lighting control systems that can be custom-manufactured for any site-specific requirement, or innovative box-mounted controls for incandescent, low-voltage and fluorescent lighting, Leviton has the products you can depend on. Our designer preset systems and distributed programmable computer-controlled systems are ideal for large-scale, multi-use environments. Leviton's innovative line of box-mounted controls includes all-new digital multi-location devices that provide maximum performance in architectural, commercial and residential settings.

Fan Speed Controls are conveniently grouped in this section with the lighting controls that share the same product name and design features. For example, IllumaTech Fan Speed Controls are located on the same page as IllumaTech Lighting controls.

Leviton Fan Speed Controls provide convenient control of ceiling fans and their incandescent light fixtures for maximum comfort and efficiency. Follow fan manufacturer's specifications when selecting and installing any Leviton Fan Speed Control, as not all fans can be operated by solid-state controls.

LEVITON DESIGNER LIGHTING CONTROL SYSTEMS
Overview ____ O1
Dimensions™ D4200 Entry Station ____ O2
DPS Power Master Lighting Control Systems ____ O3
DPS Power Extenders ____ O3
DPS II Designer Preset Lighting Control Systems ____ O4
Designer Memory Preset Lighting Control Systems ____ O5
Symmetry™ Digital Designer Preset Lighting Control System ____ O6
Manual Control Panels ____ O7
Dimensions™ a-2000 Modular Dimming Cabinets ____ O8
Modular System Dimming Cabinets ____ O9
Multiple Room Control Assignment System ____ O10
Multiple Room Control Join/Separate System ____ O10
Designer Preset Control Lighting System Peripherals ____ O11

ARCHITECTURAL SPECIFICATION
Monet™ Architectural Specification Grade Controls ____ O12–O13
Monet™/Mural™ Scene Controller ____ O14
Monet™ Multi-Gang Wallplates ____ O15
Renoir™ Architectural Preset Slide Dimmers ____ O16–O17
Van Gogh™ Architectural Rotary Dimmers ____ O18–O19

GANGING AND DERATING LIGHTING CONTROLS ____ O20

MURAL LIGHTING CONTROLS
Mural™ Scene-Capable Decora Digital Dimmers ____ O21
Mural™ L/S Preset Decora Digital Dimmers ____ O22
Mural™ Decora Digital Dimmers ____ O23

TOUCH LIGHTING CONTROLS
TouchPoint™ Decora Preset Digital Touch Pad Dimmer ____ O24
True Touch™ Decora Digital Touch Dimmer ____ O25
ToggleTouch™ Toggle Preset w/Digital Touch Pad Dimming ____ O26

TRADITIONAL LIGHTING CONTROLS
IllumaTech™ Decora Preset Slide Controls ____ O27
IllumaTech™ Decora Non-Preset Slide Controls ____ O28
SureSlide™ Decora Controls ____ O29
Trimatron™ Deluxe Rotary Controls ____ O30

INCANDESCENT LIGHTING CONTROLS
Toggle Dimmers ____ O31
Decora 911 Flasher Switch ____ O31
Feed-Through Lamp Cord Dimmers ____ O32
Full-Range Dimmer Socket ____ O32

ELECTRONIC TIMER CONTROLS
Decora Plus Electronic Timer and Time Delay Switches ____ O33
Decora Plus Programmable Electronic Timer Switches ____ O34
LiteKeeper® and TimeKeeper® Stand-Alone Control Panels ____ O35

SECTION O

COMMERCIAL SPECIFICATION GRADE

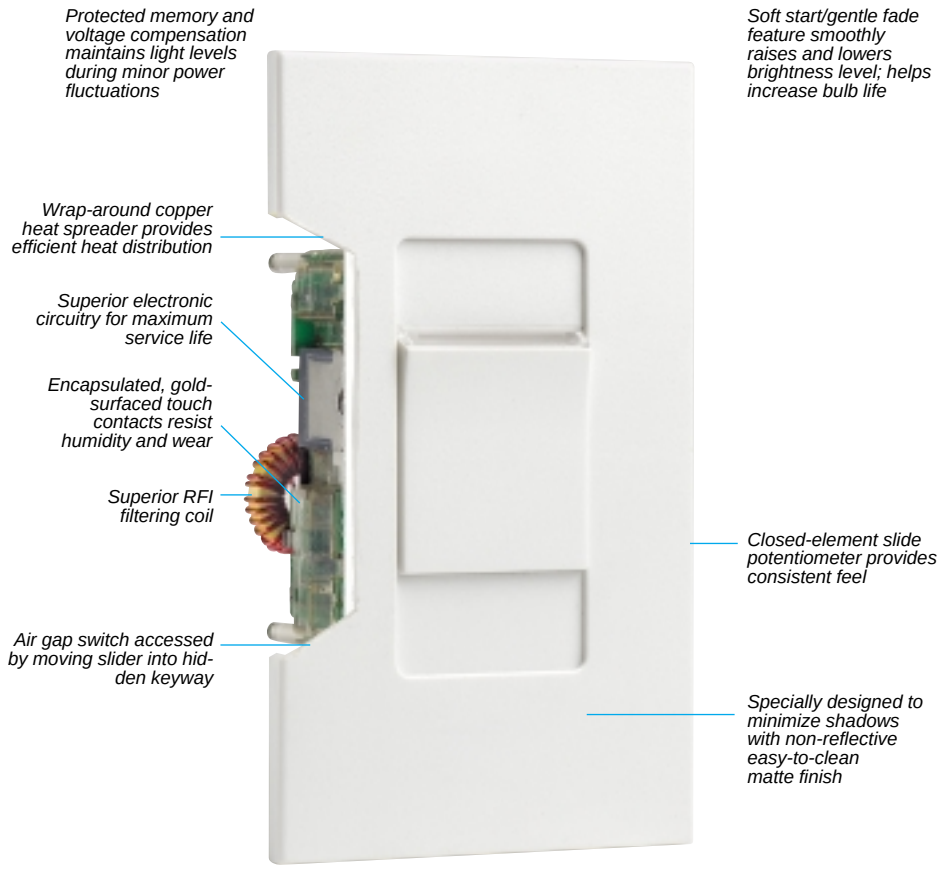
LEVITON LIGHTING CONTROL DIVISION
Building a Connected World

Lighting Controls

Leviton Lighting Controls include Commercial Specification Grade Designer Lighting Control Systems as well as box-mounted incandescent, magnetic and electronic low-voltage lighting, and magnetic and electronic fluorescent lighting controls; and fan speed controls. Box-mounting lighting controls are offered in four functional groupings: Architectural Specification Multi-Location, Scene Multi-Location, Touch Multi-Location and Traditional Multi-Location, with availability in commercial specification or residential grades as indicated.

Features and Benefits

- Provide full-range dimming in single pole, three-way, four-way and multi-location switching schemes
- Digital microprocessor state-of-the-art circuitry
- Styled for use with Decora wallplates and can be ganged with other Decora devices (Wallplates not included; must be ordered separately)
- All devices are UL Listed and CSA Certified
- Backed by a Limited Two-Year Warranty



Cat. No. MNI06-1LW

A Complete Selection of Quality Lighting Controls

DPS Power

Four Preset Self-Contained Dimmer System combines microprocessor, analog controllers and solid-state dimmers in a single package. Available with up to six control channels.

Cat. No. DPSPM-612

Monet™

Premier Architectural Specification Grade Slide Dimmer with Scene Lighting capability. Features all digital circuitry and low-profile, esthetic design.

Cat. No. MNI06-1LW

Monet™/Mural™ Scene Controller

Decora-style controller sends commands for up to six distinct scenes to individual Monet and Mural Scene Capable Controls.

Cat. No. MN00C-1LW

Mural™

Decora rocker-style digital dimmer with LED brightness level indicators. Provides single-pole and multi-location dimming. Convenient color-change kits available.

Cat. No. MDI06-1LW

True Touch™

Decora-style digital touch dimmer. Provides fingertip full-range single-pole and multi-location dimming. Convenient color-change kits available.

Cat. No. TTI10-10W

TouchPoint™

Decora full-range multi-location touch dimmer responds to where finger is placed on pad. With Preset switch, LED locator, and LED brightness indicators.

Cat. No. TPI06-1LW

ToggleTouch™

Unique design features toggle-style ON/OFF switch with bright and dim digital touch pads alongside toggle. Available with LED locator light.

Cat. No. TGI10-1LW

Dimensions™ D4200 Entry Station

DESCRIPTION	CAT. NO.
Dimensions™ D4200 Entry Station — Sophisticated user-programmable entry station offers advanced functionality and expandability combined with ease of operation. The D4200 features 8 preset buttons that can store 8 user-programmable scenes. Use of an optional 8-button preset accessory station allows D4200 to store additional 8 preset scenes for a total of 16 scenes. The preset feature allows lighting scenes to be programmed and saved as distinct "personalities" that meet application needs and match an end-user's experience level and abilities. The D4200 controls up to16 zones (channels) with LED bar graph displays for each channel. The unit also features a 2-line, 16-character LED-illuminated alphanumeric display for easy identification of presets and channels. The D4200 Entry Station can be used with any Leviton Dimming Cabinet and Dimensions™ a-2000 Modular Dimming Cabinets, Remote Control Receivers and Accessory Stations to provide a complete architectural lighting control system for commercial and high-end residential applications. The D4200 Entry Station is approximately 4.0" H x 7.5" W x 0.25" D (101.6 mm) x 190.5 mm x 6.4mm). It can be mounted in a standard 4-gang deep U.S. back box with a minimum dimension of 2.81" H x 8.13" W x 3.0" D (71.4 mm x 206.4 mm x 76.2 mm)	D4200

D4200

FEATURES

- Eight user-programmable scene preset switches
- Up to 16 control zones (channels) with LED bar graph display for each zone
- Programmable MAXIMUM and OFF preset switches
- Integrated remote control infrared receiver
- Fade time for each preset scene
- 2-line x 16-character LED-illuminated alphanumeric LCD display
- Zone master raise/lower buttons
- Astronomical time clock/event scheduler
- Macro sequencer for fast chase and special effects
- UL Listed

OPTIONS

- 8-Button Accessory Station adds 8 programmable preset scenes
- Ceiling-mount infrared receiver
- Remote control capability via PC and the Intranet/Internet
- Can be combined in a sub-network with up to 2048 zones of control and an unlimited number of dimmers

APPLICATIONS

- Conference Rooms
- Executive Offices
- Multimedia Areas
- Hotel Suites
- Up-Scale Restaurants

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

For more information, See Data Sheet D4200

DPSPM-612

DPSPE-112

FEATURES

- Four Scene Preset
- Up to Six Channels
- Self Contained Dimmers
- Infrared Remote Control
- Square Law Dimming
- Adjustable Fade Rate
- Easy to Operate
- Microprocessor Digital Control
- Attractive Appearance
- Door Over Presets
- A/V Interface Standard
- U. L. Listed (also "C" UL)
- Commercial Specification Grade

OPTIONS

- Power Extenders
- Lockable Door
- Entrance Stations

APPLICATIONS

- Multi-Media Areas
- Conference Rooms
- Up Scale Residential
- Suites
- Executive Offices
- Video Conference Rooms

DPS Power Extenders

- Extends load capacity of DPS Power Master units
- Extends load capacity of any Leviton box-mounted dimmer
- Control non-dimmed loads
- Control 120V loads, up to 2000W/2000VA
- Control fluorescent ballasts
- Control step-down transformers

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

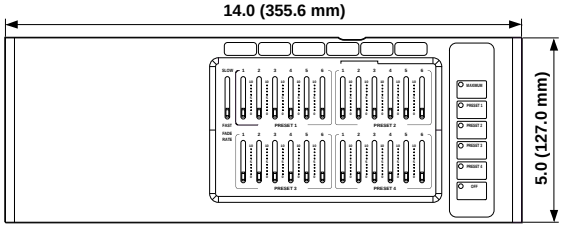
Designer Series — 4 Preset Self-Contained Dimmer System

DESCRIPTION	CAT. NO.
DPS Power Master Station (4 Preset/6 Channels per preset) — The Power Master unit combines a Digital Microprocessor, with user friendly analog controllers, and built in solid state dimmers all in a single compact, attractive, easy to operate package. Rated to handle a full 20 ampere circuit which, when derated per code, can drive up to 1920 VA of load. This 1920 VA can be broken up into as many as six separate load circuits. The classic design of this unit will accent the interior of the most elegant architecture. The versatile master station, located in, or in sight of, the room being controlled, contains all of the controls and dimmers needed to operate the lights. Remote preset select stations can be installed at key locations to recall the presets established at the Power Master station. The ease of operation and functional results makes the Leviton Power Master unit a work-horse for many applications. **Rated:** 120V 1920 VA Total Capacity (Master Station)	DPSPM-612
DPS Power Master Station (4 Preset/5 Channels per preset) — same as DPSPM-612 except provides 5 control channels per preset	DPSPM-512
DPS Power Master Station (4 Preset/4 Channels per preset) — same as DPSPM-612 except provides 4 control channels per preset	DPSPM-412

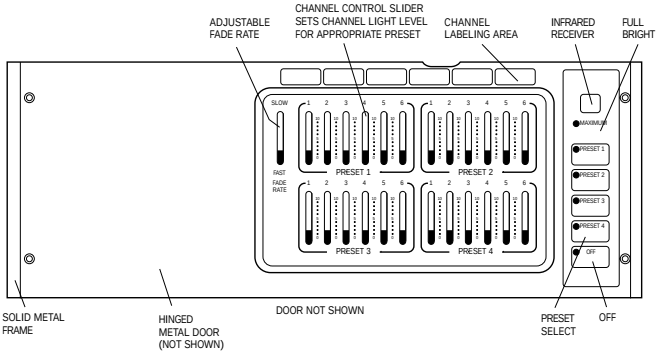
Designer Series Preset System Power Extenders

DESCRIPTION	CAT. NO.
DPS Power Extender — This unit extends the power handling capacity of the DPS Power Master, allowing a total load capacity of up to 2000W/2000VA to be controlled via line voltage control signals from any number of channels on the master control unit to which they are attached. It is fed by one 20-ampere power circuit from a circuit breaker in a lighting control panel and does not have to be on the same phase as the power control unit. This unit will drive incandescent/tungsten loads, low-voltage step-down transformers and the Advance Mark X™ series of ballasts. The DPSPE-112 has an adjustable low-light limit setting that is required for ballasts and a contactor for positive OFF of the ballast when the system is OFF or when the control channel in the Master unit is set to zero. **Rated:** 120V 2000W/2000VA Total Capacity **Note:** The DPSPE-112 Power Extender can also be used to extend the load capacity of any Leviton box-mounted dimmer.	DPSPE-112
DPS Power Extender — Same operation as DPSPE-112, except unit is designed to drive non-dimmed loads and fluorescent dimming ballasts that require zero to +10VDC control signals such as the Motorola Helios™, Advance Mark VII™, and MagneTek Ballastar™ series. The DPSPE-212 also features a variable 120-Volt output to drive the Hi-Lume™ and ECO-10™ series of ballasts. The DPSPE-212 has an ON/OFF contactor for positive OFF of the ballast when the system is OFF or when the control channel in the Master unit is set to zero. **Rated:** 120V 2000W/2000VA Total Capacity **Note:** The DPSPE-212 Power Extender can also be used to extend the load capacity of any Leviton box-mounted dimmer. Power extenders are approximately 5.00" (127.0 mm) x 5.43" (137.9 mm) x 1" (25.4 mm) deep.	DPSPE-212

All items are UL Listed and UL Verified to CSA Standards.



DPS POWER MASTER Cat. No. DPSPM-612



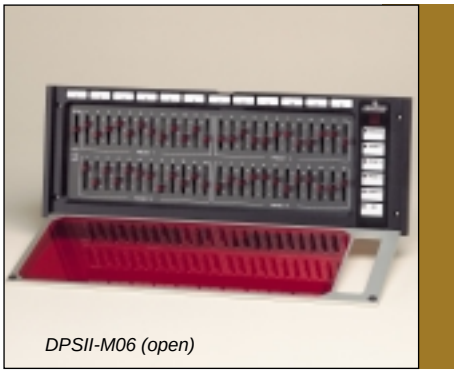
REMOTE CONTROL STATION

For more information, See Data Sheet DPSPM-612

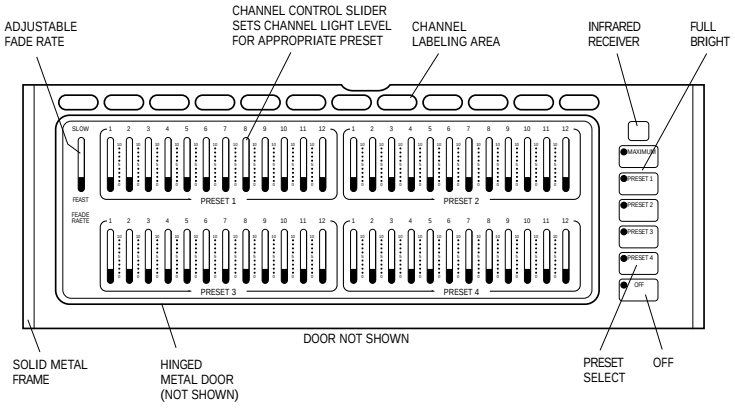
DPS-II Designer Series — 4 Preset Remote Dimmer System

DESCRIPTION	CAT. NO.
DPS-II Master Station (4 Presets/6 Channels per preset) — The Designer Preset II's classic design will accent the interior of the most elegant architecture. The versatile master station, located in/or within sight of the room being controlled, contains all of the controls needed to operate the lights. Remote preset stations can be installed at key locations to recall the presets established at the master station. The ease of operation and functional results makes Leviton's Designer Preset a benchmark for lighting control systems. All controls operate from Low Voltage Class II wiring.	DPSII-M06
DPS-II Master Station (4 Presets/12 Channels per preset) — same as DPSII-M06 except 12 control channels per preset	DPSII-M12

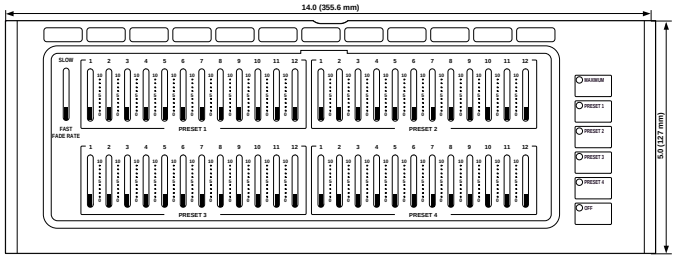
Note: A back box is supplied with each DPS-II Unit. See page A7 for MDS remote dimmer cabinet.



DPSII-M06 (open)



PRESET CONTROL STATIONS



MASTER STATION
Cat. No. DPSII-M12

FEATURES

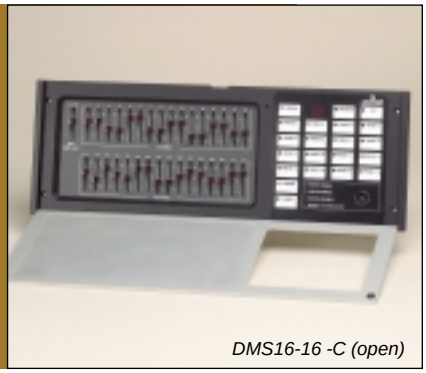
- Four Scene Preset
- Up to twelve channels
- Infrared Remote Control*
- Square Law Dimming
- Adjustable Fade Rate
- Easy to Operate
- Micro Processor Digital Control
- Attractive Appearance
- Door over presets sliders
- A/V Interface Standard
- Commercial Specification Grade

APPLICATIONS

- Restaurants
- Hotel Ballrooms
- Convention Facilities
- A/V Areas
- Conference Rooms
- Houses of Worship

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

For more information, See Data Sheet DPS II



DMS16-16 -C (open)

Designer Series — 16 Preset Remote Dimmer System

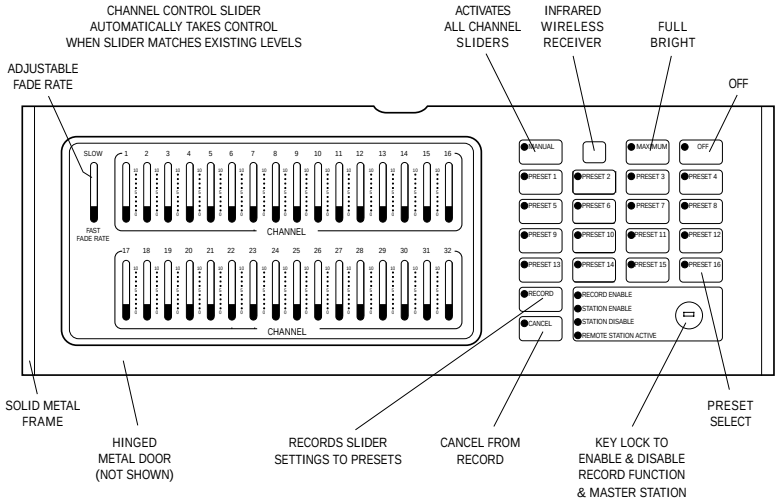
DESCRIPTION	CAT. NO.
DMS08-32-C Master Station (8 Presets/32 Channels per preset) — The Designer Memory System (DMS) is an expansion of Leviton's very popular Designer Preset System. It offers a sophisticated digital memory coupled with easy-to-operate user controls. The DMS Master Control is an aesthetically engineered durable all metal lighting control center with up to 32 control channels and either 8 or 16 preset memories. The Master Control features a unique level setting operation that uses linear slide controllers with instant matching-take-control of each channel. The user can easily and quickly enter a new preset or modify an existing preset. DMS is the first microprocessor-based architectural lighting control to offer this simple type of user friendly operation. All controls operate from Low Voltage Class II wiring.	DMS08-32-C
DMS08-16-C Master Station (8Presets/16 Channels per preset — same as DMS08-32 except provides 8 presets and 16 control channels per preset	DMS08-16-C
DMS16-16-C Master Station (16Presets/16 Channels per preset — same as DMS08-32 except provides 16 presets and 16 control channels per preset (See Photo)	DMS16-16-C
DMS16-32-C Master Station (16Presets/32 Channels per preset — same as DMS08-32 except provides 16 presets and 32 control channels per preset	DMS16-32-C

FEATURES

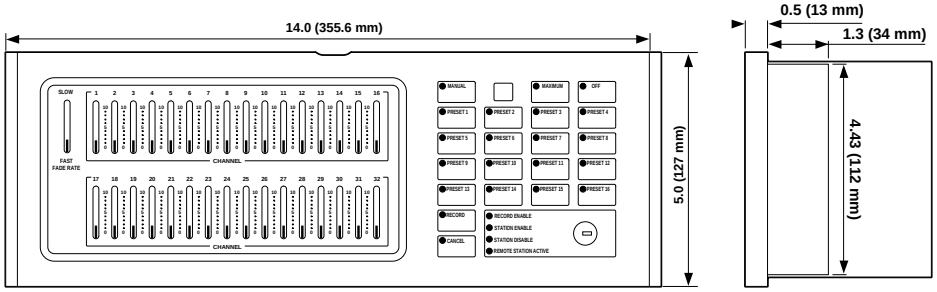
- 8 or 16 Preset Scenes + Max
- Up to 32 Control Channels
- Infrared Remote Control
- Square LAw Dimming
- Adjustable/Recordable Fade Rate
- Easy to Operate
- Micro Processor Digital Control
- High-Tech Designer Appearance
- Door over Manual Sliders
- A/V Interface (Option)
- Commercial Specification Grade
- Simple Record Sequence
- Any Combination of Loads
- Wireless Infrared Receiver
- Key Lock FProtection

APPLICATIONS

- Restaurants
- Houses of Worship
- Hotel Ballrooms
- Convention Facilities
- A/V Presentation Spaces
- Board & Conference Rooms
- Small Performance Areas
- Residences



DESIGNER SERIES – 16 PRESET REMOTE DIMMER SYSTEM



32 CHANNEL MASTER STATION
Cat. No. DMS16-32-C

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

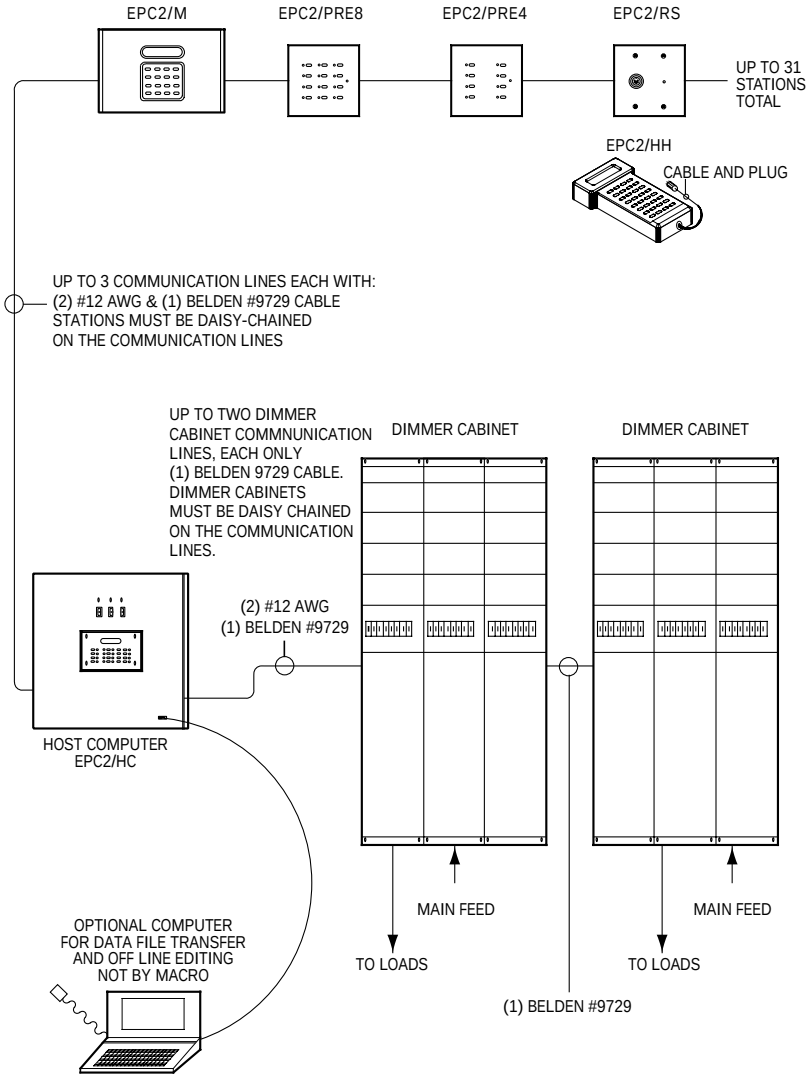
For more information, See Data Sheet DMS

Symmetry™ Digital — 100 Preset Remote Dimmer System

DESCRIPTION	CAT. NO.
Symmetry™ Digital Preset Control System (100 Presets per architectural space/256 Channels per preset) — The Symmetry LCD Master Control has been carefully designed for ease of operation. The LCD display provides for visual presentation of user programmable labels for channels and presets. This feature helps a user to identify the desired lighting to be controlled or preset to be selected. All room control functions may be performed at an LCD Master Control. Preset Select Control stations provide limited control capabilities (only selection of specific preset, typically four or eight, plus ALL ON and ALL OFF presets as well as ALL CHANNELS raise and lower capabilities). A Receptacle station may be mounted near a Preset Select Control so that the Portable Control can be used to provide recording capabilities and other control features while standing in the room. Symmetry's Hand Held Portable Control is a full function LCD Control station, which may be connected at any receptacle station. The Receptacle station is wired on the same daisy chained communication lines as other control stations. The Symmetry Host Computer has been designed and manufactured specifically for lighting control including dimming. The heavy-duty industrial design uses a high power, multi-processor computer system rated for 100% duty operation.	EPC02

All controls operate from Low Voltage Class II wiring.

EPC02 (open)



TYPICAL ONE-LINE SYMMETRY LIGHTING CONTROL SYSTEM

FEATURES

- High-speed, multi-processor based computer specifically designed for lighting control (switching and dimming of all types of lighting).
- Computer control panel with user interactive menu driven displays allows for control of all rooms as well as set up of all system features. This panel may be located remotely.
- Capability for data file transfer to a PC or laptop computer where off line data file editing may be accomplished by using our WinSym program running under Windows™ operating system.
- Capacity for 16 separate rooms of control with room linking control capabilities. 256 total control channels may be allocated as needed to the rooms.
- Each room has 100 user programmable presets. Each preset may have a fade time from 0 seconds to 59 minutes, 59 seconds in one-second intervals.
- Control of each room includes a time clock with astronomic time capabilities, 365 day calendar and 10 schedule types with up to 24 events per schedule.
- 32 step, user programmable sequence controller for each room with sequence loop capability.
- DMX512 protocol for communication between the lighting control computer and any number of dimmer cabinets.
- System remote control devices may include LCD display stations, preset select stations, receptacle stations for hand held LCD control and interface panels for various control options.
- Control options include building management system interface, audio video system interface, occupancy sensor interface, room partition sensor interface and interface for wireless remote controls.

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

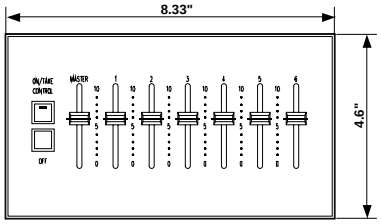
For more information, See Data Sheet EPC 2

CP-60T

Manual Control Panels

DESCRIPTION	CAT. NO.
Manual Control Panel Series (Standard and Custom Designs) — Leviton CP series manual control panels are simple to operate and to install. Lighting levels are easily adjusted by moving the slide controller up or down to the desired intensity. Control stations can contain any number of slide or special function controllers. Control panels with three or more slide controllers include a MASTER controller to proportionally drive the individual controllers. Optional controls include an ON/TAKE pushbutton to capture control when there are multiple control locations and Auxiliary Switches for Non-Dim and ancillary functions such as curtains, screens, etc. All controls operate from Low Voltage Class II wiring.	CPMAN

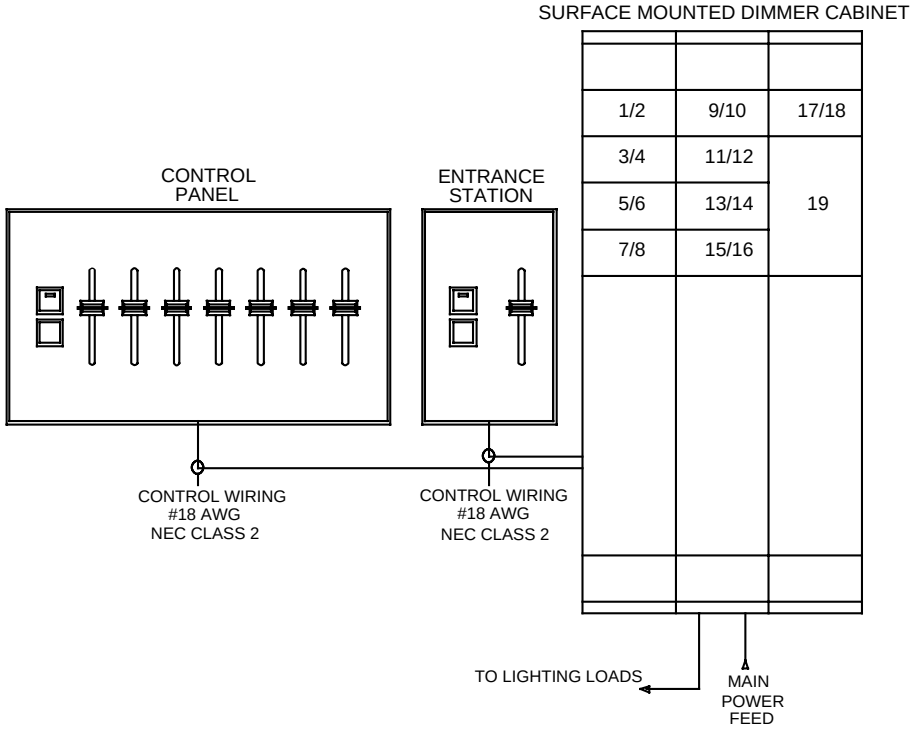
CP-6-OT CONTROL STATION
FLUSH MOUNTS IN 3.5"D BACKBOX
USE STEEL CITY 4 GANG #GW535G
OR RACO 4 GANG #698
(BACKBOX NOT BY MACRO)



FEATURES
- Simple to Operate
- Easy to Install
- Flexible Design
- Screwless Appearance

OPTIONS
- Control Transfer
- Control Join/Separate
- Delixe Finishes

APPLICATIONS
- Restaurants
- Public Spaces
- Conference Rooms
- Theatre House Lighting
- Houses of Worship
- Residences



TYPICAL MANUAL CONTROL PANEL SYSTEM
Cat. No. CP-6-OT

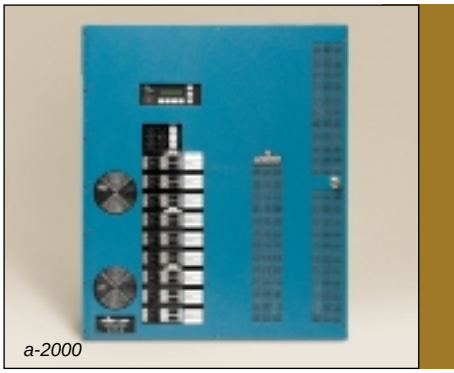
For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

For more information, See Data Sheet CP

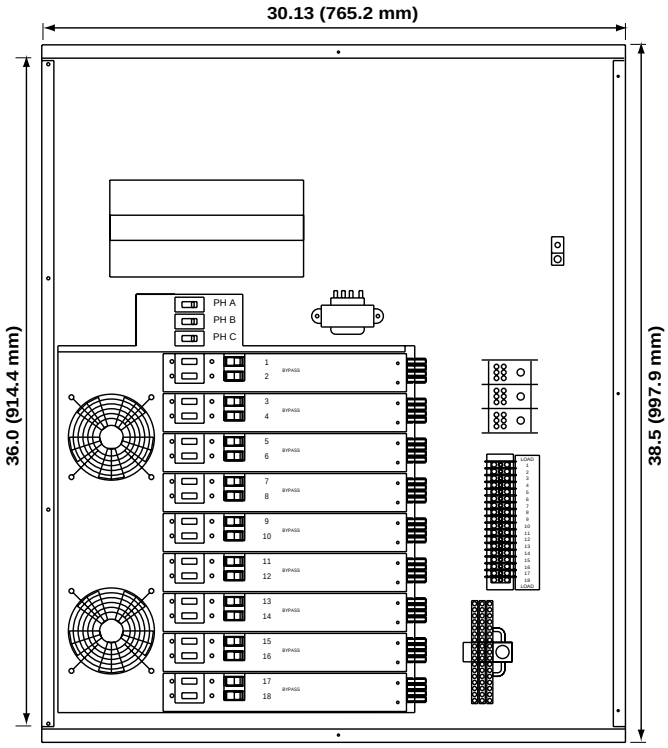
Dimensions™ a-2000 Modular Dimming Cabinets

DESCRIPTION	CAT. NO.
Dimensions™ a-2000 Modular Dimming Cabinets — Designed for ease of installation and servicing, these Cabinets are an ideal architectural lighting control system solution. The a-2000 can be conveniently flush-mounted or surface-mounted in any available hallway or room space. A clear 4" area is reserved on the right hand side of each cabinet to facilitate power connections. When two a-2000 units are stacked vertically, the wiring areas line up to provide complete flexibility for wiring both cabinets. The plug-in dimmer design ensures easy field maintenance. The a-2000 can be integrated with Dimensions™ D4200 Entry Stations or other preset control systems, manual controls, hand-held infrared controllers, photocell energy management systems, or any other type of lighting control system.	a-2000

Rated: 2400W/VA 120/240 VAC Single-Phase 60Hz, 120/208 VAC 3-Phase 60Hz



a-2000



BOX IS 4.0 (101.6 mm) DEEP

DIMENSIONS a-2000 MODULAR DIMMING CABINET SHOWN WITH D4200 ENTRY STATION

FEATURES

- Surface or recessed mounting options
- Top or bottom power feed
- Cabinet fits between two stud widths
- Plug-in dimmer modules for easy maintenance
- Superior voltage regulation: ±10% line voltage variation results in a max. ±2% load variation with dimmer operating @ 40V (5% light level)
- Operates at 97% efficiency
- Toroidal filter with 400 µsec rise time
- Square law curve control
- SCR's for heavy-duty surge protection
- Any dimmer channel can be configured for incandescent, fluorescent or low-voltage lighting with step-down transformers; also neon and cold cathode lighting
- Bypass switch for each dimmer allows full ON operation
- UL and cUL Listed

APPLICATIONS

- Cafetoriums
- Auditoriums
- Churches
- Lecture Halls
- Conference Rooms
- Ballrooms
- Restaurants

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

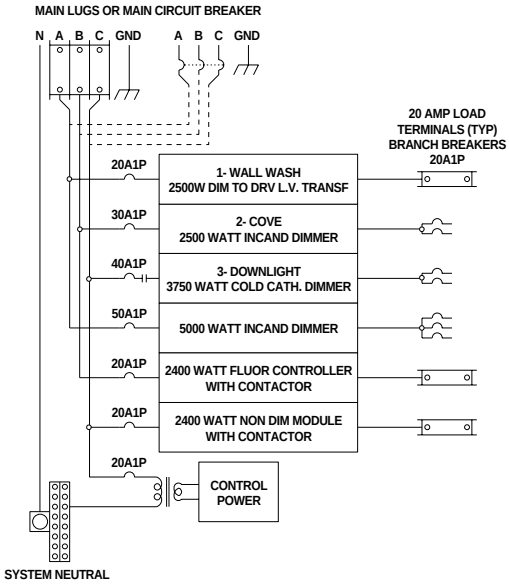
For more information, See Data Sheet a-2000

Modular System Dimming Cabinets

DESCRIPTION	CAT. NO.
Modular System Dimmer and Relay Cabinets (Single Standard 18" Model) — Leviton Modular Dimming Systems (MDS) are high quality, made to order dimmer systems that are cost effective. Modular construction and a variety of controls allows Leviton to assemble the exact number and capacity of dimmers with the necessary accessories to meet your application's unique requirements. **Rated:** 120/208, 120/240, 277/480, 357/600 VAC, 50 or 60 Hz	MDS01-181X
Modular System Dimmer and Relay Cabinets (Single Standard 32" Model)	MDS01-321X
Modular System Dimmer and Relay Cabinets (Single Standard 50" Model)	MDS01-501X
Modular System Dimmer and Relay Cabinets (Single Standard 90" Model)	XMDS01-90X

Note: X designates the number of cabinet sections.

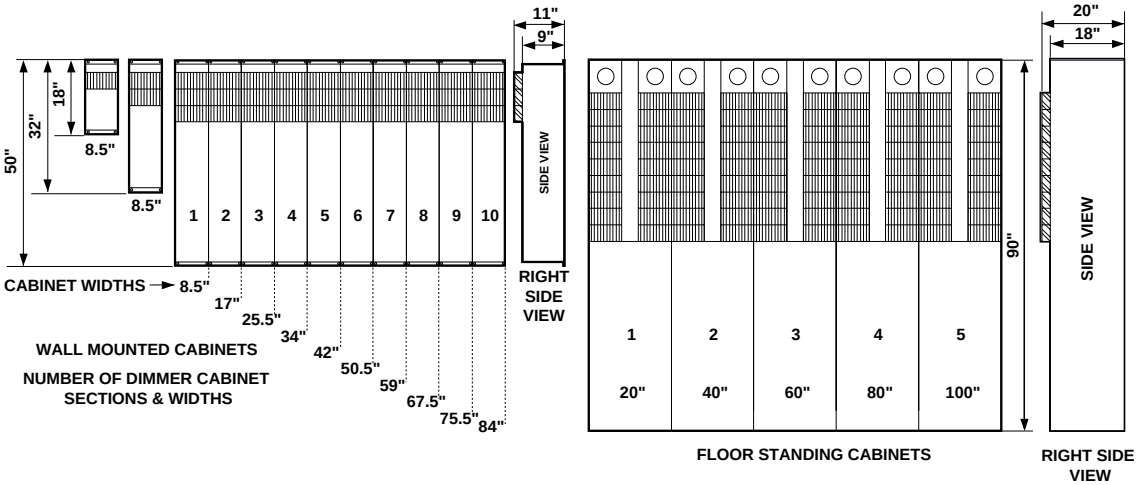
All items are UL Listed and UL Verified to CSA Standards.



TYPICAL MDS INTERNAL WIRING SCHEMATIC

FEATURES

- Flexible Design
- Unlimited Controls
- Modular Construction
- Plug-in Dimmer Modules
- 120/208, 220/380, 277/480, 347/600 Volt
- 100% Solid State
- Factory Wired and Tested
- U.L. Listed, cUL Listed



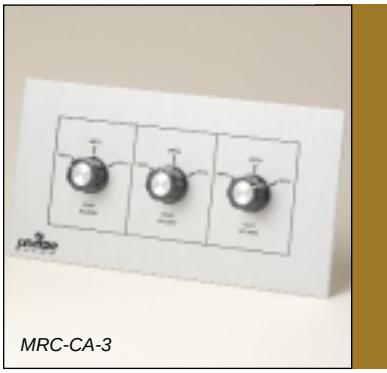
18", 32", 50" WALL MOUNTED AND 90" FLOOR STANDING MODULAR CABINETRY

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

For more information, See Data Sheet MDS

Multiple Room Control Assignment System

DESCRIPTION	CAT. NO.
Multiple Room Control Assignment System — In situations where larger rooms are downsized for smaller functions via movable partitions, each room needs individual lighting controls. Upon consolidation by removal of partitions, the lighting controls for these combined rooms need to operate as one single room. The Multiple Room Cotnrol Assignment Panel System has an assignment panel containing a multi-contact rotary switch for each sub-dividable room with a silk screened graphic layout of the rooms so that it is apparent which switch assigns control for each room involved. This allows assignment of control of any room to any other room, making any room's control panel the master panel from which other rooms are controlled. When assigned elsewhere, the control panels where control has been taken away are rendered inoperative, precluding inadvertent or intentional effort to control lighting in the combined space in question from other than the assigned location. All controls operate from Low Voltage Class II wiring.	MRCAS



MRC-CA-3

Multiple Room Control Join/Separate System

DESCRIPTION	CAT. NO.
Multiple Room Control Join/Separate System — In situations where larger rooms are downsized for smaller functions via movable partitions, each room needs individual lighting controls. Upon consolidation, by removal of partitions, it may be desirable to take control of the combined lighting space from any one of the smaller room control stations as a user moves from location to location within the combined space. The join/separate panel system alllows the user to take control from one location of all lighting controls present in the combined spaces by pressing the on/take control switch at any location, a convenience not offered by the Assignment Panel System. The join/separate control function switch(es) is located on a dedicated panel. A Master Join/Separate Control Panel is provided with graphic depictions of all partitions and a join/separate switch astride the graphic line depicting each moveable partition. Only when a switch is in the "join" position can the on/take control switches in those combined rooms be used to take control, and operate all the lights in both rooms. In lieu of this Manual Panel, an Automatic Join/Separate System is also available, utilizing our infrared partition sensor system which eliminates the maintenance requirements of mechanical partition sensor switches. Controls are automatically joined when partitions are opened, allowing on/take control switches to be activated as needed at different locations in those automatically joined rooms only. All controls operate from Low Voltage Class II wiring.	MRCJS

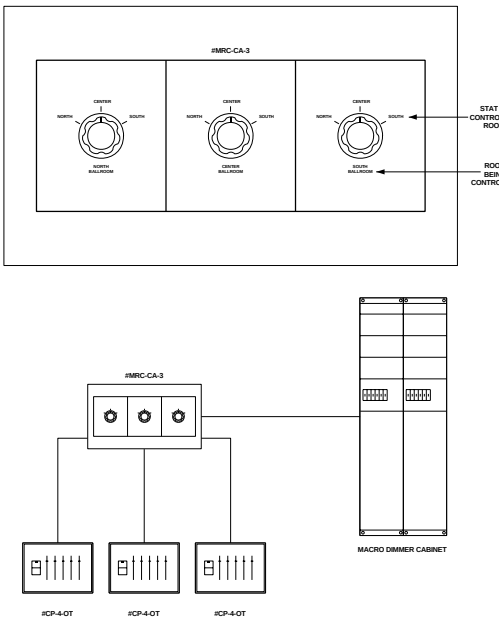
MRC-JS-2

FEATURES — CONTROL ASSIGNMENT PANEL

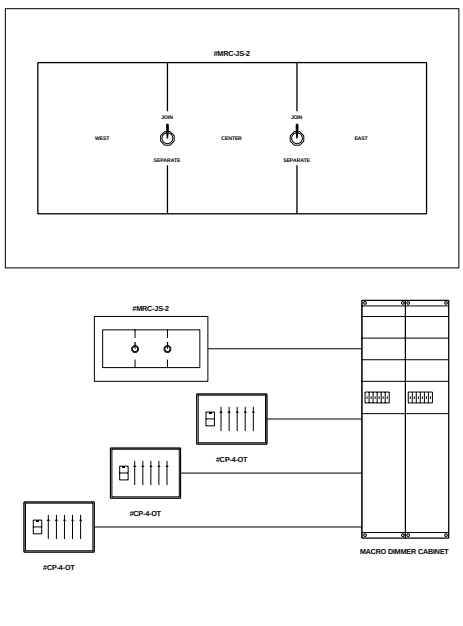
- Manual Operation
- Rotary Switch Assigns Master Control
- Non-Assigned Stations are Inactive
- Any Number of Channels
- Any Number of Rooms
- Any Number of Control Stations
- Works with Manual Controls
- Works with Preset Controls

FEATURES — JOIN/SEPARATE CONTROL PANEL

- Manual Operation
- Joins Control Channels
- All Stations can Take Control
- Any Number of Channels
- Any Number of Rooms
- Any Number of Control Stations
- Works with Manual Controls
- Works with Preset Controls
- Works with Computer Controls



TYPICAL MULTIPLE ROOM CONTROL ASSIGNMENT SYSTEM

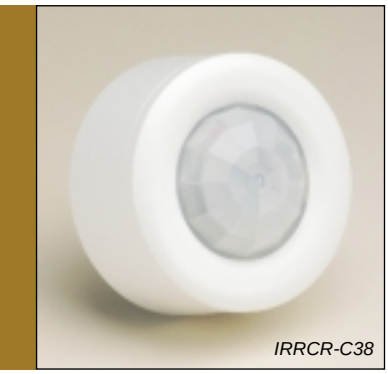


TYPICAL MANUAL MULTIPLE ROOM CONTROL JOIN/SEPARATE SYSTEM

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

For more information, See Data Sheet MRC

IR/PRE16HH



IRRCR-C38

FEATURES

- Up to eighteen functions
- 30 to 50 Foot Range
- Self Powered

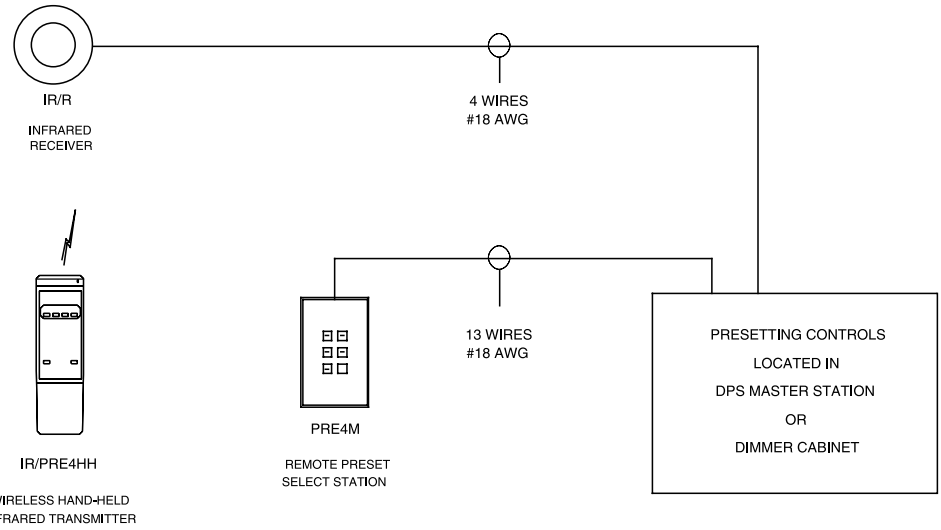
APPLICATIONS

- Boardrooms
- A/V Presentation Spaces
- Conference AND Meeting Areas
- Residences

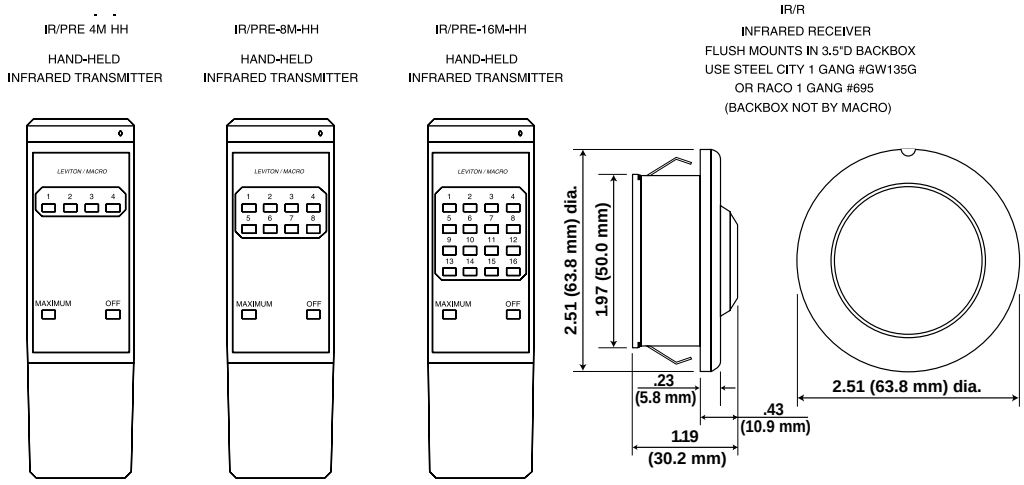
Lighting Control Systems Peripherals

DESCRIPTION	CAT. NO.
Infrared Handheld Control — The hand-held controller can operate the lights from anywhere in a room, with a 30 to 50 foot range. Since the system uses infrared, similar or identical systems can be operated in adjacent spaces without fear of interence with each other. The wireless controller comes in several standard configurations with up to 16 presets, maximum, and off pushbuttons.	IR/PRE16HH
Infrared Receiver — These ceiling or wall-mounted units are used in conjunction with an Infrared Handheld Control. Multiple units can be linked for large spaces.	IRRCR-C38
Remote Preset Select Control Station — Allows preset selection from multiple locations.	PRExM
Hand-Held Master Stations — This hand-held portable controller is a full function master station that can be plugged in to any EPC2/RS via a 25 foot control cable to provide the user with room-to-room or mobile on-the-spot programming. For use with Symmetry™–EPC2 Systems only.	EPC2HH

Note: X designates the number of presets.



TYPICAL RISER DIAGRAM



COMPONENT DETAILS

For answers about the many standard and custom options available, ordering assistance and answers to technical questions regarding Leviton's Designer Lighting Control Systems, call 1-800-996-2276.

For more information, See Data Sheet IR

Monet™ Architectural Specification Grade Controls 120V & 277V AC 60Hz

Low-profile Architectural Decora Digital Preset Slide Dimmers with LED locator light. All Monet dimmers provide single-pole (1 location) and 3-way (multi-location) control with Switching Remote, plus Scene Capabilities when used with Monet Scene Controller units.

Incandescent 120V AC

DESCRIPTION	CAT. NO.	RATING	COLOR*
Monet Dimmer (narrow fin)	MNI06-1L	600W	I, W, G, E, A
Monet Dimmer (narrow fin)	MNI10-1L	1000W	I, W, G, E, A
Monet Dimmer (wide fin)	MNI15-1L	1500W	I, W, G, E, A

Magnetic Low-Voltage 120V AC

DESCRIPTION	CAT. NO.	RATING	COLOR*
Monet Dimmer (narrow fin)	MNM06-1L	600VA (450W)	I, W, G, E, A
Monet Dimmer (narrow fin)	MNM10-1L	1000VA (750W)	I, W, G, E, A
Monet Dimmer (wide fin)	MNM15-1L	1500VA (1125W)	I, W, G, E, A

MarkX™ Fluorescent Ballast

For Advance Mark X™/Philips Ecotron™ fluorescent dimming ballasts.

DESCRIPTION	CAT. NO.	RATING	COLOR*
Monet Mark X Fluorescent Dimmer (narrow fin)	MNX10-1L	1000VA (750W) 120V AC	I, W, G, E, A
Monet Mark X Fluorescent Dimmer (wide fin)	MNX15-1L	1500VA (1125W) 120V AC	I, W, G, E, A
Monet Mark X 277V Fluorescent Dimmer (narrow fin)	MNX10-7L	1000VA (750W) 277V AC	I, W, G, E, A
Monet Mark X 277V Fluorescent Dimmer (wide fin)	MNX15-7L	1500VA (1125W) 277V AC	I, W, G, E, A

Fan Speed Controls 120V AC

DESCRIPTION	CAT. NO.	RATING	COLOR*
Monet Fan Speed Control (narrow fin)	MNF07-1L	7.5A 120V AC	I, W, G, E, A
Monet Fan Speed Control (wide fin)	MNF10-1L	10A 120V AC	I, W, G, E, A

Monet™ Products

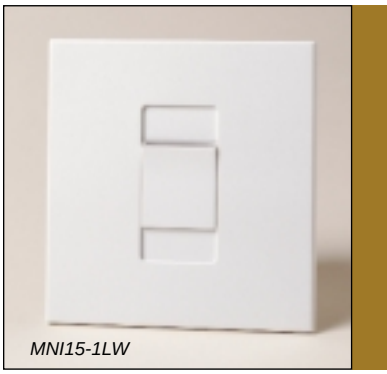
DESCRIPTION	CAT. NO.	RATING	COLOR*
Monet Remote Non-Dimming Switching Unit for 3-way applications	MN00R-10W	No load rating, use with Monet dimmers only	White, for other colors use Color Change Kits
Color Change Kits for MN00R-10W Monet 3-way Switching Unit	MNK0R-00 —		I, W, G, E, A
Monet Adapter Plate: Allows any Decora strap-mount device to be ganged with either small or large-size Monet controls	MN0LA-000 (large) MN0SA-000 (small)	———	Metal Heat Sink

Note: Mark X™ is a trademark of the Advance Transformer Company. Ecotron™ is a trademark of Philips Electronics North America Corporation.

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.

MNI06-1LW

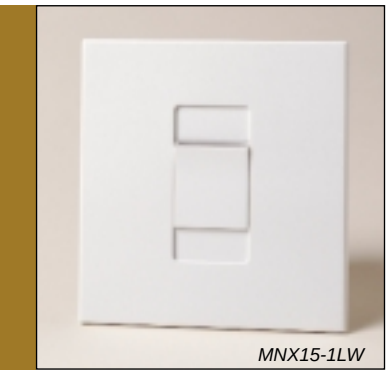


MNI15-1LW

NOTE: Multi-gang wallplates are available for combining narrow and wide dimmers, with or without fins removed. Refer to page O15.

Monet Architectural Fin Width
Narrow: 2.75" (69.9 mm)
Wide: 4.25" (108.0 mm)

MNM10-1LW


MNX15-1LW

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Premier Architectural Specification Grade dimmer combines high load capability, esthetic appearance, digital circuitry and Scene Lighting capabilities
- Provides single-pole and 3-way switching with Monet Non-Dimming Remote Unit
- Can be used with 6-Scene Controller for scene lighting applications
- Low-profile architectural fins, even on wide-fin models, for a flush fit appearance
- Smooth slide-dimming operation. Push slider for ON/OFF preset
- Digital circuit provides Soft-ON/Fade-OFF for eye-pleasing effect and prolonged bulb life
- Specially designed to minimize shadows with non-reflective, easy-to-clean matte finish. Ideal for museums, art galleries, showrooms
- Soft, green locator LED discretely positioned on slider
- Square Law Dimming ensures linear slide control across entire dim and bright output range
- Hidden air-gap switch; slider moves into hidden keyway to access air-gap switch for servicing needs. When air gap switch is open, red line appears at top
- Small and large size adapter plates fit all Leviton Decora straps to make them compatible with Monet wallplates
- Screwless, designer Monet wallplates with matte finish included. Multi-gang wallplates also available for combining narrow and wide dimmers, with or without fins removed (see page O15)
- Customized wallplate engravings available–See your Leviton representative for more information
- Built-in radio/TV interference filter
- Protected memory during temporary power failures
- Internal MOV for surge protection

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

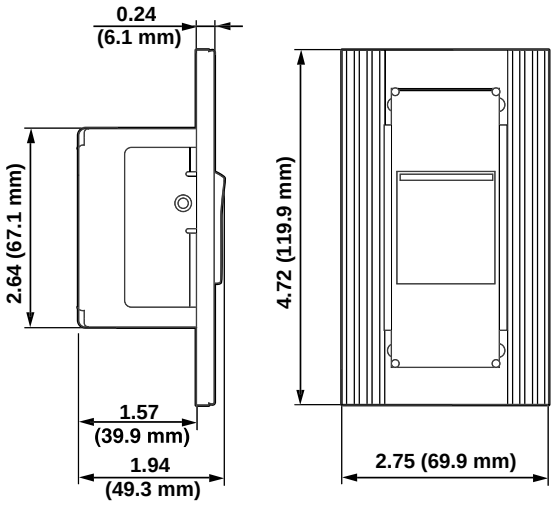
*COLOR

Add suffix to catalog number as follows for color selections: Ivory (-I), White (-W), Gray (-G), Almond (-A), Black (-E).

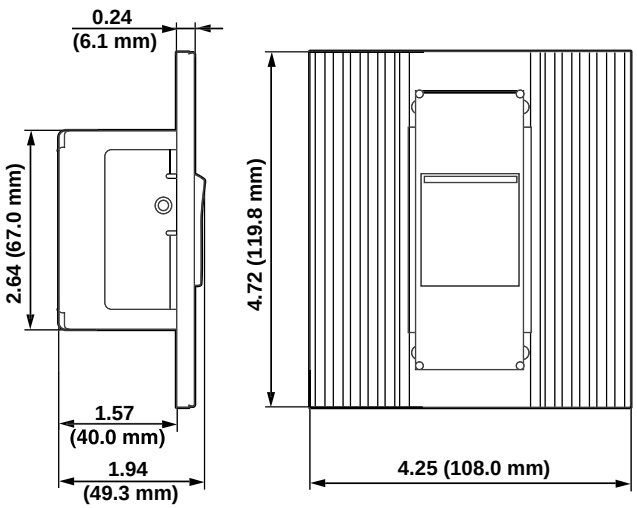
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Note: For fin removal and switchbox requirements for ganging Leviton Monet dimmers, refer to page O15 or the instruction sheet provided with the device.



MONET CONTROLS WITH NARROW FINS
Cat. Nos. MNI06, MNI10, MNM06, MNM10, MNX10 and MNF07



MONET CONTROLS WITH WIDE FINS
Cat. Nos. MNI15, MNM15, MNX15 and MNF10

Scene Controller for Monet™ and Mural™ Scene Capable Lighting Controls

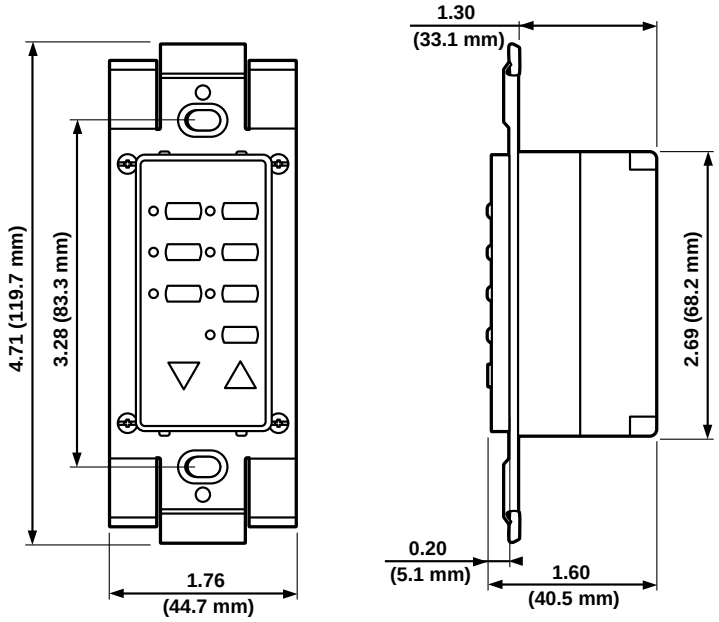
DESCRIPTION	CAT. NO.	RATING	COLOR*
Scene Controller: 6 Lighting-Scene Buttons plus and OFF and Group DIM BRIGHT Buttons	MN00C-1LW	No load rating, use with Monet/ Mural Scene dimmers only	White, for other colors use Color Change Kits
Color Change Kits for MN00C-1LW Scene Controller	DCK6S-00	———	I, W, G, E, A

Scene Enhancement Products—Compatible with Monet™ and Mural™ Scene Capable Lighting Controls

DESCRIPTION	CAT. NO.	RATING	COLOR*
Signal Repeater—Must be used if controlling lighting on more than one phase. One-Way and Two-Way versions available	17100-1WY, 17100-2WY	No load rating	(Non-color item)
Contact Closure Interface—Allows control of Mural Scene Capable devices from home theater and building control systems via momentary contact inputs	177BI	No load rating	(Non-color item)
Infrared Receiver—Available with Wall Mount and Ceiling Mount Bezels	177IR-IWA	No load rating	Supplied with Ivory, White and Almond bezels
Hand-Held Infrared Remote Control—With 4 Push-Button Keypad	177RC	No load rating	Black

Note: A Repeater must be used on any installation that uses more than one circuit.

MN00C-1LW in 80301-W



MURAL SCENE CONTROLLER
Cat. No. MN00C-1LW

SPECIFICATIONS & FEATURES

Scene Controller

- Sends commands for up to six distinct scenes to individual Monet or Mural Scene Capable Devices (NOTE: Monet and Mural devices cannot be combined in scenes)
- Multiple Scene Controllers can be used for multi-point access to scenes.
- Provides OFF button and two arrow-shaped buttons for group Dim and Bright control
- Local Dim/Bright adjustment on individual scene dimmers will not effect programmed scene settings.
- Green LED display for each scene button indicates selected scene
- Fast, easy scene programming: For Monet, press desired scene button until LED blinks, adjust individual Monet device to desired level, press scene button again to set memory. For Mural Scene Capable Device, press scene button, adjust individual Mural device to desired level, press program button on Mural device
- Controls up to 20 scene dimmers
- Streamlined, popular Decora styling enhances any interior and adds a "family look" when ganged with any Decora device
- Works with Monet, Decora Plus or any standard Decora wallplate
- Color change kits available in ivory, white, almond, gray, and black allow fast color changeover and simplify stocking inventory
- Internal MOV for surge protection
- Customized lettering for each scene button available (maximum of 8 characters and spaces) — see your Leviton representative for ordering information

Scene Enhancement Products

- Two-Way Repeater provides scene control communication link between branch circuits. One-Way Repeater allows the creation of separate scene control zones

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373 – Cat. Nos. MN00C-1LW and 177IR; File #E-66800 – Cat. Nos. 17100-1WY and 17100-2WY; File #E-600800 – Cat. No. 177BI)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Monet Multi-Gang Wallplates

Table 1 — For Installations with No Fins Broken Off

Wallplate Cat. No.	Number of Narrow Fin/Wide Fin Controls	Wallbox Requirements
MNW10-00	1 Narrow	1-Gang
MNW20-00	2 Narrow	3-Gang
MNW30-00	3 Narrow	5-Gang
MNW40-00	4 Narrow	6-Gang
MNW50-00	5 Narrow	9-Gang
MNW60-00	6 Narrow	10-Gang
MNW01-00	1 Wide	1-Gang
MNW02-00	2 Wide	4-Gang
MNW03-00	3 Wide	7-Gang
MNW04-00	4 Wide	9-Gang
MNW11-00	1 Narrow/1 Wide	4-Gang
MNW21-00	2 Narrow/1 Wide	5-Gang
MNW31-00	3 Narrow/1 Wide	7-Gang
MNW41-00	4 Narrow/1 Wide	8-Gang
MNW51-00	5 Narrow/1 Wide	10-Gang
MNW12-00	1 Narrow/2 Wide	6-Gang
MNW22-00	2 Narrow/2 Wide	8-Gang
MNW32-00	3 Narrow/2 Wide	9-Gang
MNW13-00	1 Narrow/3 Wide	9-Gang
MNW23-00	2 Narrow/3 Wide	10-Gang

Table 2 — For Installations with Fins Broken Off

Wallplate Cat. No.	Number of Narrow Fin/Wide Fin Controls	Wallbox Requirements
MNW20-FB	2 Narrow	2-Gang
MNW30-FB	3 Narrow	3-Gang
MNW40-FB	4 Narrow	4-Gang
MNW50-FB	5 Narrow	5-Gang
MNW60-FB	6 Narrow	6-Gang
MNW70-FB	7 Narrow	7-Gang
MNW80-FB	8 Narrow	8-Gang
MNW90-FB	9 Narrow	9-Gang
MNW02-FB	2 Wide	3-Gang
MNW03-FB	3 Wide	5-Gang
MNW04-FB	4 Wide	7-Gang
MNW05-FB	5 Wide	9-Gang
MNW11-FB	1 Narrow/1 Wide	3-Gang
MNW21-FB	2 Narrow/1 Wide	4-Gang
MNW31-FB	3 Narrow/1 Wide	5-Gang
MNW41-FB	4 Narrow/1 Wide	6-Gang
MNW51-FB	5 Narrow/1 Wide	7-Gang
MNW61-FB	6 Narrow/1 Wide	8-Gang
MNW71-FB	7 Narrow/1 Wide	9-Gang
MNW81-FB	8 Narrow/1 Wide	10-Gang
MNW12-FB	1 Narrow/2 Wide	5-Gang
MNW22-FB	2 Narrow/2 Wide	6-Gang
MNW32-FB	3 Narrow/2 Wide	7-Gang
MNW42-FB	4 Narrow/2 Wide	8-Gang
MNW52-FB	5 Narrow/2 Wide	9-Gang
MNW62-FB	6 Narrow/2 Wide	10-Gang
MNW13-FB	1 Narrow/3 Wide	7-Gang
MNW23-FB	2 Narrow/3 Wide	8-Gang
MNW33-FB	3 Narrow/3 Wide	9-Gang
MNW43-FB	4 Narrow/3 Wide	10-Gang
MNW14-FB	1 Narrow/4 Wide	9-Gang
MNW24-FB	2 Narrow/4 Wide	10-Gang

Monet multi-gang wallplates are available for every permissible combination of small fin and large fin dimmers. Tables 1 and 2 can be used to determine if a specific combination of devices is possible. When small and large fin devices are combined, all the large fin devices must be placed to one side and all the small fin devices must be placed to the other side. In an installation where all the fins are broken off, do not remove the fins from the dimmers at each of the extreme ends of the installation.

Monet Multi-Gang Wallplate Catalog Number System

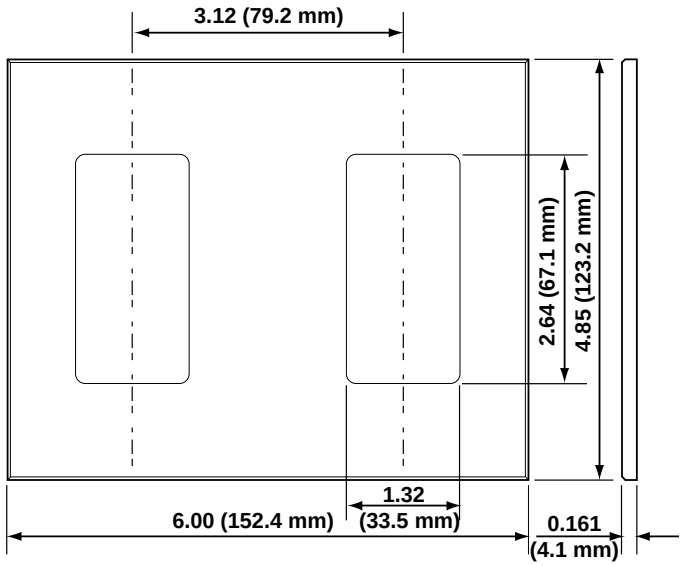
Example: MNW31-00W

- **Add letter to indicate color: -I (Ivory), -W (White), -A (Almond), -G (Gray) and -E (Black)**
- **00 = No fins removed FB = Fins broken off**
- **Number of large-fin devices**
- **Number of small-fin devices**
- **Monet Wallplate**

Maximum Load per Monet Dimmer Multi-Gang with Fins Broken Off

Cat. No.	Single	2-Gang	More than 2-Gang
MNI06	600W	500W	400W
MNI10	1000W	800W	700W
MNI15	1500W	1250W	1000W
MNM06	600VA (450W)	500VA (375W)	400VA (300W)
MNM10	1000VA (750W)	800VA (600W)	700VA (525W)
MNM15	1500VA (1125W)	1250VA (937W)	1000VA (750W)
MNX10	1000VA (750W)	800VA (600W)	700VA (525W)
MNX15	1500VA (1125W)	1250VA (937W)	1000VA (750W)
MNF07	7.5A	6A	5.3A
MNF10	10A	8A	7A

Note: For more information on Fin Removal, refer to the instruction sheet provided with each Monet device.



Cat. No. MNW20-00

Architectural Specification Multi-Location

Renoir™ Incandescent Architectural Preset Slide Dimmers 120V AC 60Hz Only

DESCRIPTION	CAT. NO.	RATING	COLOR*
Renoir Single-Pole (narrow fin)	80800	800W	I, W, GY
Renoir 3-Way (narrow fin)	80800-3	800W	I, W, GY
Renoir Single-Pole (narrow fin)	81000	1000W	I, W, GY
Renoir Single-Pole, Illuminated (narrow fin)	81000-L	1000W	I, W
Renoir 3-Way (narrow fin)	81000-3	1000W	I, W, GY
Renoir 3-Way, Illuminated (narrow fin)	81000-L3	1000W	I, W
Renoir Single-Pole (wide fin)	81500	1500W	I, W, GY
Renoir 3-Way (wide fin)	81500-3	1500W	I, W, GY
Renoir Single-Pole (wide fin)	82000	2000W	I, W, GY
Renoir Single-Pole, Illuminated (wide fin)	82000-L	2000W	I, W
Renoir 3-Way (wide fin)	82000-3	2000W	I, W
Renoir 3-Way, Illuminated (wide fin)	82000-L3	1000W	I, W

Renoir™ Magnetic Low-Voltage Architectural Preset Slide Dimmers 120V 60Hz Only

Renoir Single Pole (narrow fin)	71111	1000VA (750W)	I, W, GY
Renoir 3-Way (narrow fin)	71113	1000VA (750W)	I, W, GY
Renoir Single Pole (wide fin)	71511	1500VA (1125W)	I, W, GY
Renoir 3-Way (wide fin)	71513	1500VA (1125W)	I, W, GY

All devices are UL Listed and CSA Certified.

Note: For complete information on installation, ganging and derating of High Wattage Dimmers, consult Technical Section of this catalog or the Dimmer Instruction Sheet provided with the device.

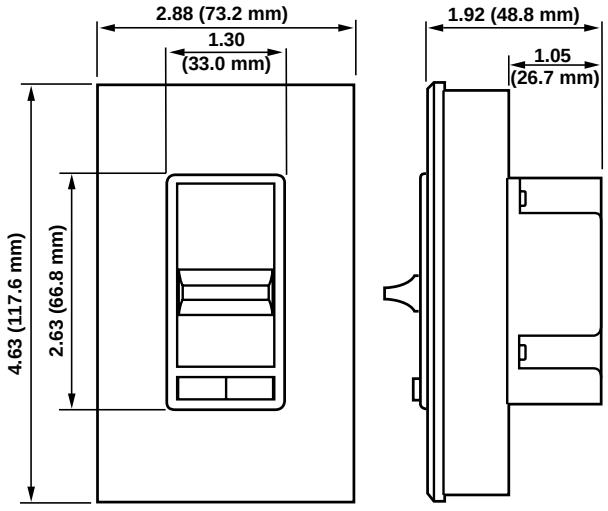
Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

When ganging these units, no derating is necessary except on those units, which have had both sets of snap-off, fins removed. These shall be derated as follows:

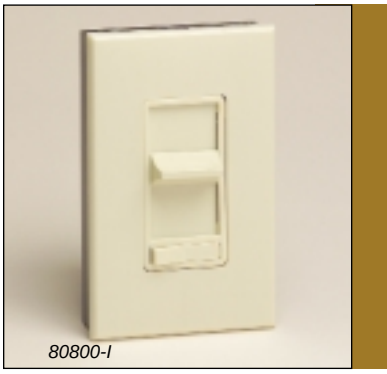
81000 series, 71111 series ____800 Watts/VA max. per unit

81500 series, 71513 series___1300 Watts/VA max. per unit

82000 series_____1800 Watts max. per unit



RENOIR NARROW-FIN DEVICE
Cat. No. 81000


80800-I

81500-W

SPECIFICATIONS & FEATURES

- ON/OFF rocker switch turns lights ON at last selected brightness level
- Smooth-action, linear slide control for easy, precise operation
- Available in single-pole (one location) and 3-way (multi-location) versions. 3-way dimmer is used with standard 3-way ON/OFF switch
- Decora-styling coordinates with Leviton's extensive line of Decora devices
- Decora-style screwless snap-on wallplate present an attractive appearance in any application
- Slim, compact housing easily fits in standard wall boxes
- Fins are easily removed for multi-gang applications
- Large radio/TV interference filter
- Illuminated versions available

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Add suffix to catalog numbers as follows for color selection: Ivory (-I) White (-W), Gray (-GY).

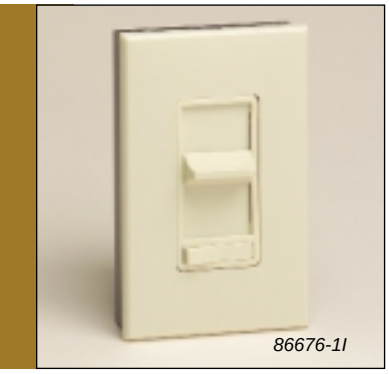
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

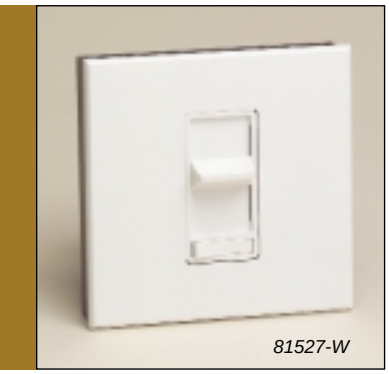
NOTE: For fin removal and switchbox requirements for ganging Leviton Renoir dimmers, refer to page O20.

Renoir Architectural Fin Width
Narrow: 2.88" (73.2 mm)
Wide: 4.69" (119.1 mm)

Architectural Specification Multi-Location



86676-1I



81527-W

SPECIFICATIONS & FEATURES

- Rugged ON/OFF rocker switch turns lights ON at last selected brightness level
- Smooth-action, linear slide control for easy, precise operationr
- Cat. No. 26666-31, -37 provides single-pole (one location) and 3-way (multi-location) dimming. 3-way dimmer is used with standard 3-way ON/OFF switch
- Manual low-end trim adjustment feature on fan speed controls allows precise adjustment of low-end fan settings when installing device
- Decora-styling coordinates with Leviton's extensive line of Decora devices
- Decora-style screwless snap-on wallplate present an attractive appearance in any application
- Slim, compact housing easily fits in standard wall boxes
- Fins are easily removed for multi-gang applications
- Large radio/TV interference filter

TESTING & CODE COMPLIANCE

- UL Listed (File # E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Add suffix to catalog numbers as follows for color selection: Ivory (-I) White (-W), Gray (-GY).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

NOTE: For fin removal and switchbox requirements for ganging Leviton Renoir dimmers, refer to page O20.

Renoir Architectural Fin Width
Narrow: 2.88" (73.2 mm)
Wide: 4.69" (119.1 mm)

Renoir™ Architectural Preset Slide Dimmers Fluorescent Dimming Ballasts 120V and 277V AC 60Hz Only

DESCRIPTION	CAT. NO.	RATING	COLOR*
Renoir Fluorescent Dimmer, Single-Pole and 3-Way (wide-fin)	26666-31	1200VA (900W) 120V AC Advance Mark X/Philips Ecotron fluorescent dimming ballast	White
Renoir Fluorescent Dimmer, Single-Pole and 3-Way (wide-fin)	26666-37	1200VA (900W) 277V AC Advance Mark X/Philips Ecotron fluorescent dimming ballast	White

Renoir™ Fluorescent Architectural Preset Slide Dimmers Magnetic Ballasts 120V and 277V AC 60Hz Only

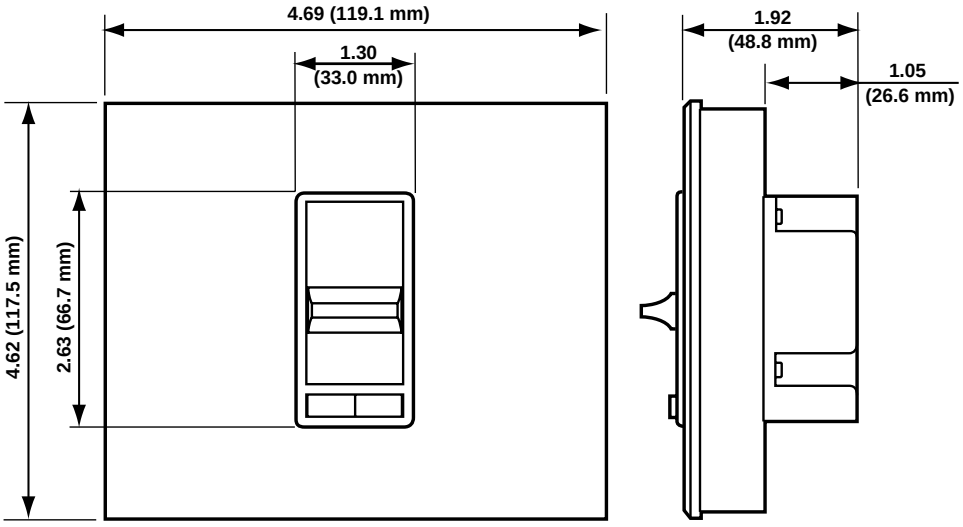
Renoir Single-Pole (narrow-fin)	86676-1	120V 2-12 40W Rapid Start Lamps	I, W
Renoir Single-Pole (narrow-fin)	86677-1	120V 4-20 40W Rapid Start Lamps	I, W
Renoir Single-Pole (wide-fin)	86678-1	120V 6-30 40W Rapid Start Lamps	I, W
Renoir Single-Pole (wide-fin)	86679-1	120V 8-40 40W Rapid Start Lamps	I, W
Renoir Single-Pole (narrow-fin)	86676-7	277V 2-12 40W Rapid Start Lamps	I, W
Renoir Single-Pole (narrow-fin)	86677-7	277V 4-20 40W Rapid Start Lamps	I, W
Renoir Single-Pole (wide-fin)	86678-7	277V 6-30 40W Rapid Start Lamps	I, W
Renoir Single-Pole (wide-fin)	86679-7	277V 8-40 40W Rapid Start Lamps	I, W

Renoir™ Architectural Preset Slide Fan Speed Controls 120V AC 60Hz Only

Renoir Single-Pole (narrow-fin)	80827	7.5 Amps	I, W
Renoir Single-Pole (wide-fin)	81127	10 Amps	I, W
Renoir Single-Pole (wide-fin)	81527	15 Amps	I, W

All devices are UL Listed and CSA Certified.

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.



RENOIR WIDE-FIN DEVICE
Cat. No. 26666-3

Van Gogh™ Incandescent Architectural Rotary Dimmers 120V AC 60Hz Only

DESCRIPTION	CAT. NO.	RATING	COLOR*
Van Gogh Single-Pole Rotary (narrow fin)	60800	800W	I, W
Van Gogh 3-Way Push ON/Push OFF (narrow fin)	60800-3	800W	I, W
Van Gogh Single-Pole Rotary (narrow fin)	61000	1000W	I, W
Van Gogh 3-Way Push ON/Push OFF (narrow fin)	61000-3	1000W	I, W
Van Gogh Single-Pole Rotary (wide fin)	61500	1500W	W
Van Gogh Single-Pole Rotary (wide fin)	62000	2000W	I, W

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

When ganging these units, no derating is necessary except on those units, which have had both sets of snap-off, fins removed. These shall be derated as follows:

61000, 61000-3 _____800 Watts max. per unit

61500_____1300 Watts max. per unit

82000 series_____1800 Watts max. per unit

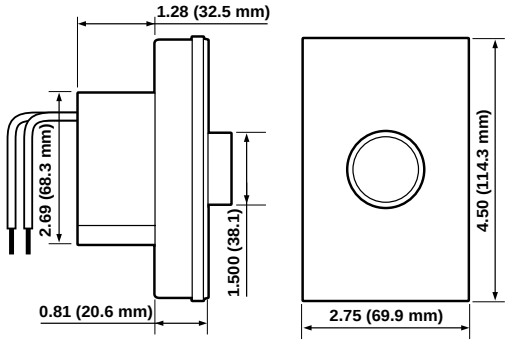
Covers to fit 60800, 61000 Dimmer Units

DESCRIPTION	CAT. NO.
Brown Cover and Matching Knob w/Gold Insert	60001
Ivory Cover and Matching Knob w/Gold Insert	60001-I
White Cover and Matching Knob w/ Silver Insert	60001-W

Covers to fit 61500, 62000 Dimmer Units

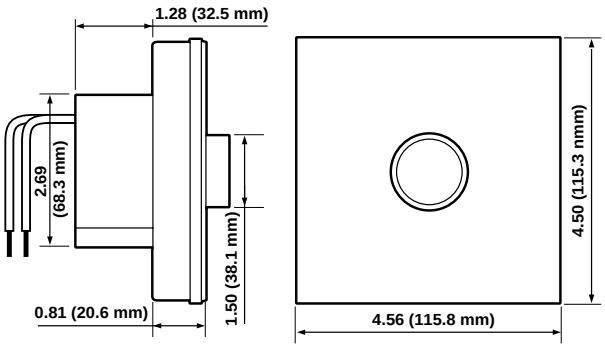
DESCRIPTION	CAT. NO.
Brown Cover and Matching Knob w/Gold Insert	60002
Ivory Cover and Matching Knob w/Gold Insert	60002-I
White Cover and Matching Knob w/ Silver Insert	60002-W

All devices are UL Listed and CSA Certified.

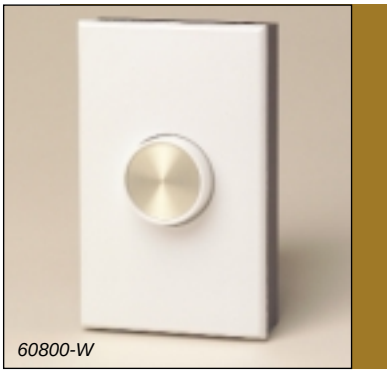


VAN GOGH NARROW-FIN DEVICE
Cat. No. 61000

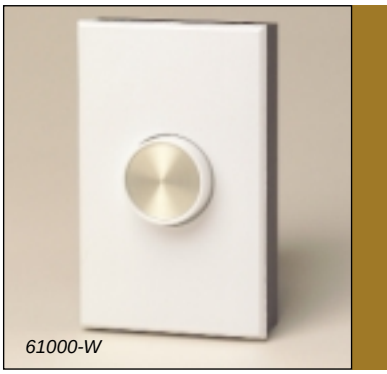
- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**



VAN GOGH WIDE-FIN DEVICE
Cat. No. 62000



60800-W



61000-W

SPECIFICATIONS & FEATURES

- Classic rotary architectural-style dimmer is a popular choice in many installations
- Available in Rotary ON/OFF (single pole only) and Push-ON/Push-OFF (single-pole and 3-way).
- 3-way version is used with a standard 3-way ON/OFF switch
- Snap-on cover conceals heat fins
- Color-matched dimmer control knob with gold insert for an attractive appearance in any installation
- Snap-off fins permit easy ganging with other devices
- Slim, compact housing easily fits in standard wall box
- Large radio/TV interference filter

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373, 62000 File #E-66800)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Add suffix to catalog numbers as follows for color selection: Ivory (-I) White (-W).

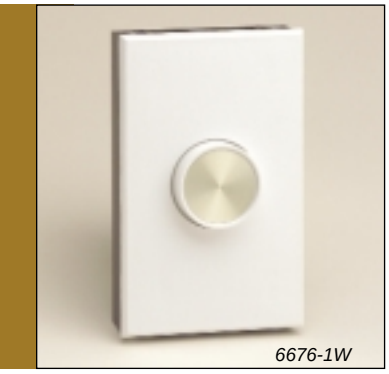
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

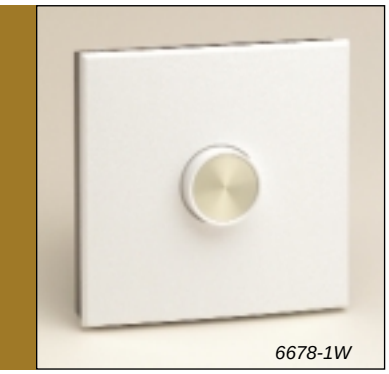
Note: For switchbox requirements for ganging Leviton Van Gogh dimmers, refer to page O20.

Van Gogh Architectural Fin Width
Narrow: 2.75" (69.9 mm)
Wide: 4.56" (115.8 mm)

Architectural Specification Multi-Location



6676-1W



6678-1W

SPECIFICATIONS & FEATURES

- Classic rotary architectural-style dimmer is a popular choice in many installations
- Available in Rotary ON/OFF (single pole only) for magnetic fluorescent and fan speed control
- Snap-on Decora-style cover hides heat fins
- Color-matched dimmer control knob with gold insert for an attractive appearance in any installation
- Snap-off fins permit easy ganging with other devices
- Slim, compact housing easily fits in standard wall box
- Large radio/TV interference filter

TESTING & CODE COMPLIANCE

- UL Listed (File # E-31373, replacement knobs UL File # E-3810)
- CSA Certified (File # LR-3413, 6676-1, -7 only)
- Backed by a Limited Two-Year Warranty

*COLOR

Add suffix to catalog numbers as follows for color selection: Ivory (-I) White (-W).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Note: For switchbox requirements for ganging Leviton Van Gogh dimmers, refer to page O20.

Van Gogh Architectural Fin Width
Narrow: 2.75" (69.9 mm)
Wide: 4.56" (115.8 mm)

Van Gogh™ Fluorescent Architectural Rotary Dimmers Magnetic Ballasts 120V and 277V AC 60Hz Only

DESCRIPTION	CAT. NO.	RATING	COLOR*
Van Gogh Single-Pole Rotary (narrow fin)	6676-1W	120V 2-12 40W Rapid Start Lamps	White
Van Gogh Single-Pole Rotary (narrow fin)	6677-1W	120V 4-20 40W Rapid Start Lamps	White
Van Gogh Single-Pole Rotary (wide fin)	6678-1W	120V 6-30 40W Rapid Start Lamps	White
Van Gogh Single-Pole Rotary (wide fin)	6679-1W	120V 4-40 40W Rapid Start Lamps	White
Van Gogh Single-Pole Rotary (narrow fin)	6676-7W	277V 2-12 40W Rapid Start Lamps	White
Van Gogh Single-Pole Rotary (narrow fin)	6677-7W	277V 4-20 40W Rapid Start Lamps	White
Van Gogh Single-Pole Rotary (wide fin)	6678-7W	277V 6-30 40W Rapid Start Lamps	White
Van Gogh Single-Pole Rotary (wide fin)	6679-7W	277V 4-40 40W Rapid Start Lamps	White

Van Gogh™ Architectural Rotary Fan Speed Control 120V AC 60Hz Only

DESCRIPTION	CAT. NO.	RATING	COLOR*
Van Gogh Single-Pole	61027	10 Amps	I, W

Note: When more than one ceiling fan is controlled, make sure the blades are rotating on all fans.

Covers to fit 6676 & 6677 Dimmer Units

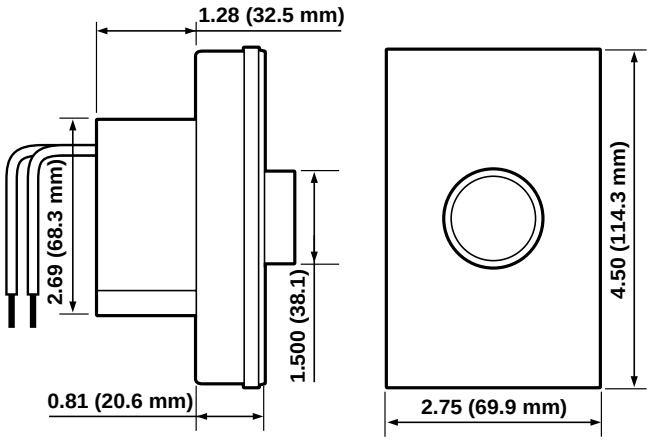
DESCRIPTION	CAT. NO.
Brown Cover and Matching Knob w/Gold Insert★	60001
Ivory Cover and Matching Knob w/Gold Insert★	60001-I
White Cover and Matching Knob w/Silver Insert★	60001-W

Covers to fit 6678 & 6679 Dimmer Units

DESCRIPTION	CAT. NO.
Brown Cover and Matching Knob w/Gold Insert★	60002
Ivory Cover and Matching Knob w/Gold Insert★	60002-I
White Cover and Matching Knob w/Silver Insert★	60002-W

UL Listed and CSA Certified except where indicated by ★

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and**



VAN GOGH NARROW-FIN DEVICE
Cat. No. 6676-1W

Ganging and Derating Lighting Controls

Ganging and Derating Box-Mounted Lighting Controls

Ganging is an installation practice where two or more lighting controls are mounted side-by-side using the required number of connected wall-boxes. Ganging may require the removal of part of the fins on Architectural Dimmers or part of the mounting strap on strap-mounted devices. In Architectural Dimmers, the metallic fins help dissipate heat from within the device. Strap mounted dimmers use the mounting strap for the same purpose. Therefore, removing a portion of the fins or strap for ganging purposes will require derating the dimmers to prevent them from overheating.

Ganging and Derating Leviton Lighting Controls

When ganging Mural, True Touch, TouchPoint, ToggleTouch and IllumaTech controls, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off. The side sections of the strap dissipate heat, so removing them requires derating the dimmer's capacity. See Chart 1.

Note that Leviton SureSlide and Trimatron lighting controls can be ganged without removing any sections of their mounting straps. However, SureSlide and Trimatron controls must also be derated when they're ganged.

Maximum Load Per Dimmer for Multi-Ganging All Strap-Mounted Dimmers

Chart 1

Dimmer Rating	Single	2-Gang	More than 2-Gang
600W	600W	500W	400W
1000W	1000W	800W	700W
600VA	600VA	500VA	400VA
1000VA	1000VA	800VA	700VA

Maximum Bulb Wattage for Magnetic Low-Voltage Lighting

Low-voltage lighting controls are rated in Volt-Amps (VA). The maximum bulb wattage is determined by the efficiency of the transformer in the low-voltage lighting system. Transformer efficiencies vary depending on the manufacturer, so consider 75% efficiency as average. Use Chart 2 to determine the maximum bulb wattage for typical transformer efficiency ratings.

Maximum Bulb Wattage at 75% Efficiency

Chart 2

Dimmer Rating	Single	2-Gang	More than 2-Gang
600VA	450W	375W	300W
1000VA	750W	600W	525W

Ganging and Derating Leviton Renoir™ and Van Gogh™ Architectural Lighting Controls

When fins are broken off on wide and narrow controls for ganging purposes, the number of switch boxes required can be quickly determined by referring to the two charts below.

Ganging

Switch boxes required for ganging Leviton architectural controls when no fins are removed:

Number of Wide Controls \ Number of Narrow Controls*	0	1	2	3	4
0	•	•	•	•	•
1	1	3	5	7	8
2	4	6	7	9	11
3	7	9	10	11	13
4	9	11	12	14	16

Switch boxes required for ganging Leviton architectural controls when all inside fins are removed:

Number of Wide Controls \ Number of Narrow Controls	0	1	2	3	4	5	6
0	0	1	2	3	4	5	6
1	1	3	4	5	6	7	8
2	3	5	6	7	8	9	10
3	5	7	8	9	10	11	12
4	7	9	10	11	12	13	14
5	9	11	12	13	14	15	16
6	11	13	14	15	16	17	18

*Narrow controls must have fins broken off to be ganged.

Derating

Any Architectural Dimmer that has had both sets of break-off fins removed to meet space requirements during installation must have its wattage specification derated as shown in the chart below. If no fins are removed, no derating is necessary, even when ganging.

Incandescent

Cat. No.	Watts	Derate To
61000, 81000	1000	800W
61500, 81500	1500	1300W
62000, 82000	2000	1800W

Fluorescent

When ganging these units, no derating is necessary, except as shown below when both sets of fins have been removed.

6677 – 16 lamps	86677 – 16 lamps
6679 – 36 lamps	86679 – 36 lamps

Note: For information on ganging and derating Monet™ Architectural Lighting Controls, see page O15.

MCI10-1LW in 80301-W

Mural™ Scene Capable Decora-Style Digital Dimmer
120V AC 60Hz Only *Compatible with Scene Controller and Scene Enhancement Products — See page O14.*

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Scene Capable Incandescent Dimmer with LED Locator and LED Brightness Display	MCI10-1LW	1000W	I, W, G, E, A
Mural Scene Capable Magnetic Low-Voltage Dimmer with LED locator and LED Brightness Display	MCM10-1LW	1000VA (750W)	I, W, G, E, A
Mural Scene Capable Mark X Preset Dimmer for 120V AC Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	MCX10-1LW	1000VA (750W)	I, W, G, E, A
Scene Controller: 6 Lighting-Scene Buttons plus OFF and Group DIM and BRIGHT Buttons	MN00C-1LW	No load rating, use with Monet or Mural Scene Capable Dimmers Only	I, W, G, E, A
Color Change Kits for Mural Scene Capable Dimmer	DRKDD-1L	———	I, W, G, E, A
Color Change Kits for MN00C-1LW Scene Controller	DCK6S-00	———	I, W, G, E, A

All devices are UL Listed and CSA Certified.

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. Mural Scene Capable Digital Controls are designed for use with Scene Controller and Scene Enhancement products and are not compatible with the Multi-Remote unit.

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Responds to lighting level commands sent by the Cat. No. MN00C-1LW Scene Controller. Users can program the desired lighting level for individual Mural Scene Dimmers in up to six distinct lighting scenes, which are easily accessed by one or more Scene Controllers
- Smooth ON/OFF and Dim/Bright Decora rocker action provides ease of operation for people of all ages and abilities
- Scene Controller also provides an OFF button and two arrow-shaped buttons for group Dim and Bright control.
- Local Dim/Bright adjustment on individual scene dimmers will not effect programmed scene lighting settings
- Compatible with Scene Enhancement Products including Contact Closure Interface, Infrared Hand-Held Remote and Infrared Receiver, and one-way and two-way Signal Repeater
- Streamlined, popular Decora styling enhances any interior and adds a "family look" when ganged with any Decora device
- Digital circuitry provides SOFT-ON/FADE-OFF operation for an eye-pleasing effect and prolonged lamp life
- Square green LED display alongside rocker indicates selected brightness level
- Locator LED illuminates when lights are OFF
- Color change kits available in a wide range of choices, making it easy and economical to change decorating schemes
- Color change kits simplify inventory for distributors and contractors who can offer a complete range of colors without stocking a different device for each one
- Minimum Brightness Adjustment sets comfortable minimum light level
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- ON/OFF AC air-gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year warranty

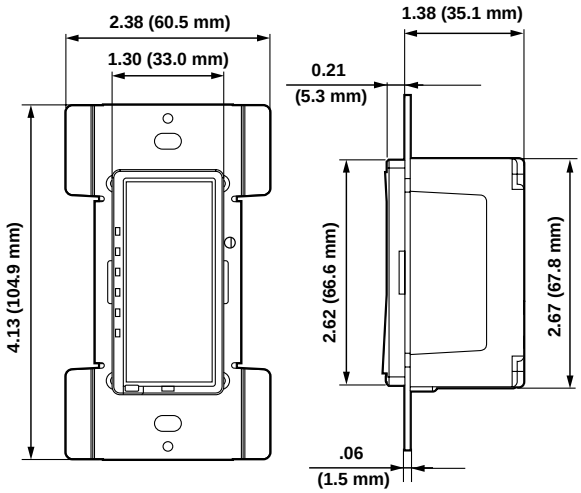
*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

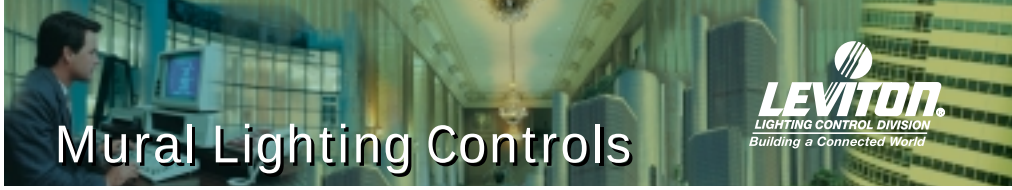
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Note: For information on Scene Enhancement Products, see page O14.



MURAL SCENE CAPABLE DIMMER
Cat. No. MCI10-1LW

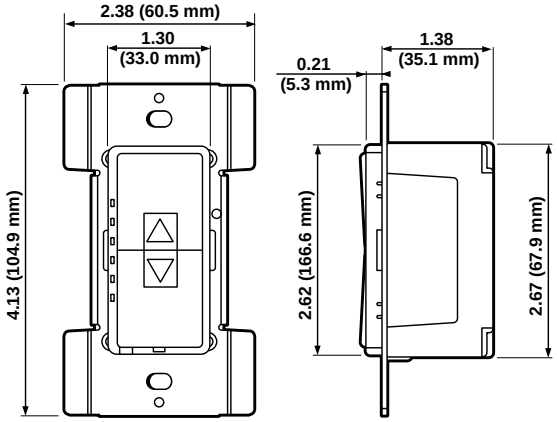


Mural™ L/S (Level Set) Decora-Style Preset Digital Dimmer
120V AC 60Hz Only *All Mural™ L/S dimmers provide single-pole (1 location) and 3-way (multi-location) control when used with Multi-Remote unit.*

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural L/S Incandescent Preset Dimmer with LED Locator and LED Brightness Display	MLI06-1LW	600W	I, W, G, E, A
Mural L/S Incandescent Preset Dimmer with LED Locator and LED Brightness Display	MLI10-1LW	1000W	I, W, G, E, A
Mural L/S Electronic Low-Voltage Preset Dimmer with LED Locator and LED Brightness Display	MLE04-1LW	400VA (300W)	I, W, A, G, E
Mural L/S Magnetic Low-Voltage Preset Dimmer with LED locator and LED Brightness Display	MLM06-1LW	600VA (450W)	I, W, G, E, A
Mural L/S Magnetic Low-Voltage Preset Dimmer with LED locator and LED Brightness Display	MLM10-1LW	1000VA (750W)	I, W, G, E, A
Mural L/S Incandescent Preset Dimmer with LED Locator (no LED brightness display)	MRI06-1LW	600W	I, W, A, G, E
Mural L/S Incandescent Preset Dimmer with LED Locator (no LED brightness display)	MRI10-1LW	1000W	I, W, A, G, E
Mural L/S Magnetic Low-Voltage Preset Dimmer with LED Locator (no LED brightness display)	MRM10-1LW	1000VA (750W)	I, W, A, G, E
Mural L/S Mark X Preset Dimmer for Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	MLX06-1LW	600VA (450W)	I, W, G, E, A
Multi-Remote Unit for Multi-Location Dimming (no LED locator or display)	MS00R-10W	No load rating	I, W, G, E, A
Multi-Remote Unit for MLE04-1LW (no LED locator or display)	MSE0R-10W	No load rating	I, W, A, G, E
Color Change Kits for Mural L/S Preset Dimmer	DLKDD-1L	———	I, W, G, E, A
Color Change Kits for Multi-Remote Units (no LED locator or display)	DRK0R-00	———	I, W, G, E, A
Color Change Kit for Mural MR Preset Dimmer	MRK0D-0L	No load rating	I, W, A, G, E

All devices are UL Listed and CSA Certified.

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.
Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.



ALL MURAL L/S (LEVEL SET) DIMMERS
Cat. No. MLI06-1LW Shown

MLI06-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Smooth Decora rocker-action for Preset ON/OFF switching with built-in arrow-shaped rocker for DIM/BRIGHT control
- Arrow rocker allows user to set brightness level when lights are off
- Second tap on top half of rocker for full bright. Gently double tap bottom half of rocker for fast OFF
- Easy to operate for people of all ages and abilities
- Provides single-pole (one-location) and multi-location full range dimming when used with Multi-Remote units
- Streamlined, popular Decora styling enhances any interior and adds a "family look" when ganged with any Decora device
- Digital circuitry provides SOFT-ON/FADE-OFF operation for an eye-pleasing effect and prolonged lamp life
- Square green LED display alongside rocker indicates selected brightness level on ML models
- Locator LED illuminates when lights are OFF
- Color change kits available in a wide range of choices, making it easy and economical to change decorating schemes
- Color change kits simplify inventory for distributors and contractors who can offer a complete range of colors without stocking a different device for each one
- Minimum brightness adjustment sets comfortable minimum light level on ML models
- Protected memory and voltage compensation maintain light levels after short-term power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- ON/OFF AC air-gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

MDI10-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Provides single-pole (one-location) and multi-location full range dimming when used with MS00R remote unit
- Streamlined popular Decora styling enhances any interior and adds a family look when ganged with other Decora devices
- Smooth ON/OFF and DIM/BRIGHT Decora rocker action provides ease of operation for people of all ages and abilities
- Digital circuitry provides Soft-ON/Fade-OFF switching for and eye-pleasing effect and extended lamp life
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED illuminated when lights are OFF
- Color change kits available in a wide range of choices, making it easy and economical to change decorating schemes
- Color change kits simplify inventory for distributors and contractors who can offer a complete range of colors without stocking a different device for each one
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- Square green LED display alongside rocker indicates selected brightness level on MD models
- Built-in radio/TV interference filter
- ON/OFF AC air gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Mural™ Decora-Style Digital Dimmer 120V AC 60Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Incandescent Dimmer with LED locator	MSI06-1LW	600W	I, W, A, G, E
Mural Incandescent Dimmer with LED Locator and LED Brightness Display	MDI06-1LW	600W	I, W, A, G, E
Mural Incandescent Dimmer with LED locator and LED Brightness Display	MDI10-1LW	1000W	I, W, A, G, E
Mural Magnetic Low-Voltage Dimmer with LED locator and LED Brightness Display	MDM06-1LW	600VA (450W)	I, W, A, G, E
Mural Magnetic Low-Voltage Dimmer with LED locator and LED Brightness Display	MDM10-1LW	1000VA (750W)	I, W, A, G, E
Mural Electronic Low-Voltage Dimmer with LED locator and LED Brightness Display	MDE04-1LW	400VA (300W)	I, W, A, G, E
Multi-Remote Unit for Multi-Location Dimming (no LED locator or display)	MS00R-10W	No load rating	I, W, A, G, E
Multi-Remote Unit for MDE04-1LW (no LED locator or display)	MSE0R-10W	No load rating	I, W, A, G, E

All devices are UL Listed and CSA Certified.

Mural™ Decora-Style Digital Dimmer 220V AC 50Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Incandescent Dimmer	MDI10-2LW	1000W	I, W, G, E, A
Mural Magnetic Low-Voltage Dimmer	MDM10-2LW	1000VA (750W)	I, W, G, E, A
Multi-Remote unit for Multi-Location Dimming (no LED locator or display)	MS00R-20W	No load rating —for use with Mural 220V dimmers	I, W, G, E, A

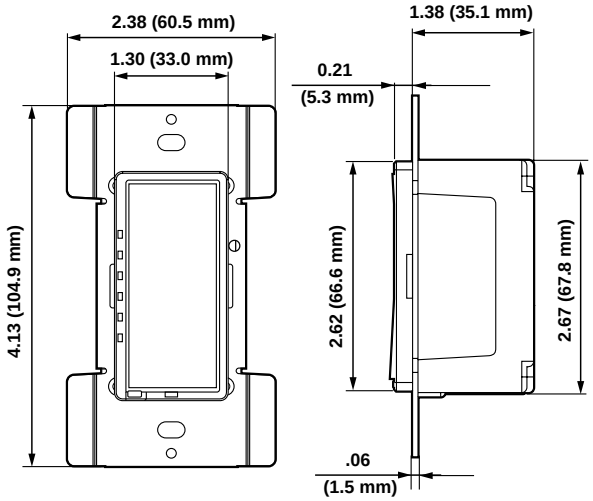
Note: 220V devices are **not** UL Listed or CSA Certified.

Products for Mural™ Dimmers (120V and 220V)

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Mural Color Change Kits for Dimmers with LED locator and LED Brightness Display	DRKDD-1L	——	I, W, A, G, E
Mural Color Change Kits for Dimmers with LED Locator (no brightness display)	DRK0D-1L	——	I, W, A, G, E
Color Change Kits for Multi-Remote Units (no LED locator or display)	DRK0R-00	——	I, W, A, G, E

All devices are UL Listed and CSA Certified.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.



MURAL DECORA-STYLE DIMMER
Cat. No. MDI10-1LW

TouchPoint™ Decora Preset Digital Touch-Pad Dimmer 120V 60Hz AC Only

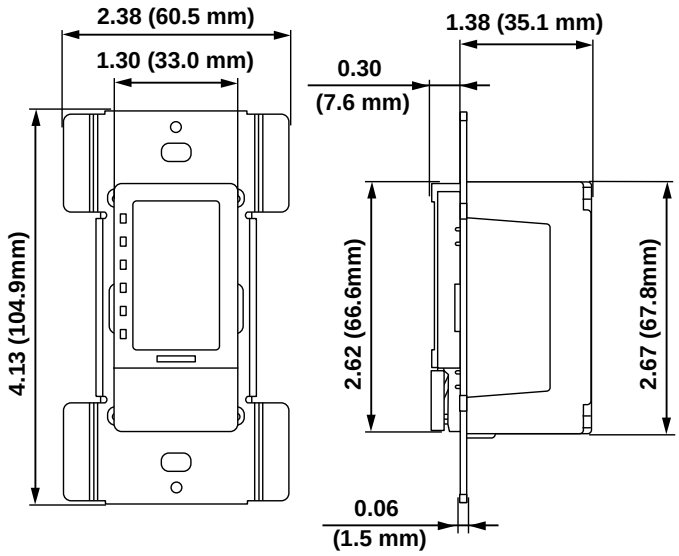
DESCRIPTION	CAT. NO.	RATING	COLOR*
TouchPoint Incandescent	TPI06-1L	600W	W, I, A, G, E
TouchPoint Incandescent	TPI10-1L	1000W	W, I, A, G, E
TouchPoint Magnetic Low-Voltage	TPM06-1L	600VA (450W)	W, I, A, G, E
TouchPoint Magnetic Low-Voltage	TPM10-1L	1000VA (750W)	W, I, A, G, E
TouchPoint Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	TPX06-1L	600VA (450W)	W, I, A, G, E
TouchPoint Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	TPX10-1L	1000VA (750W)	W, I, A, G, E
Multi-Remote Unit for Multi-Location Dimming (no LED locator or display)	MS00R-10W	No load rating	White, for other colors use Color Change Kits
Color Change Kits for Multi-Remote Units (no LED locator or display)	DRK0R-00	———	I, W, G, E, A

All devices are UL Listed and CSA Certified.

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.
Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.

TPI10-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**



TOUCHPOINT DECORA PRESET DIGITAL TOUCH DIMMER
Cat. No. TPI10-1LW

SPECIFICATIONS & FEATURES

- New advanced digital touch pad technology provides full range dimming by responding to where your finger is placed on the pad
- Provides single-pole (one-location) and multi-location full range dimming when used with MS00R remote unit
- Attractive Decora styling blends with any interior
- Digital circuitry provides Soft-ON/Fade-OFF switching for and eye-pleasing effect and extended lamp life
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF (no LED on Remote Unit)
- Easy-to-read LED display alongside touch pad indicates selected brightness level
- Minimum Brightness Adjustment sets comfortable minimum light level
- Protected memory maintains light levels after power outages and during minor power fluctuations
- Built-in radio/TV interference filter

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Add suffix to catalog number as follows for other colors: Ivory (-I), White (-W), Gray (-G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

TTI10-10W in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Provides fingertip ease of use and precise adjustment of lighting levels. Simple one-touch for ON at Preset level, or again for OFF. Touch and hold for BRIGHT/DIM lighting control
- Provides single-pole (one-location) and multi-location full range dimming when used with TT00R remote unit
- Cat. No. 6606 Decora Touch Dimmer is available for single-pole applications only (no soft-ON/Fade-OFF or multi-location features)
- Attractive Decora styling blends with any interior
- Digital circuitry provides Soft-ON/Fade-OFF switching for and eye-pleasing effect and extended lamp life
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF (no LED on Remote Unit)
- Color change kits offered in a wide range of colors, making it easy and economical to change decorating schemes
- Minimum Brightness Adjustment sets comfort-able minimum light level
- Protected memory maintains light levels after power outages and during minor power fluctuations
- Built-in radio/TV interference filter
- ON/OFF AC air gap switch completely disconnects power to unit for bulb changing or removal from service

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Cat. No. 6606 available in Brown/Gold (no dash), Ivory/Gold, White/Silver and White/Gold. For all other True Touch dimmers, basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-GY), Black (-E), Almond (-A), White frame/Silver touch plate (-WS), Ivory frame/Gold touch plate (-GI), and Brown frame/Gold touch plate (-BG).

MATERIAL CHARACTERISTICS

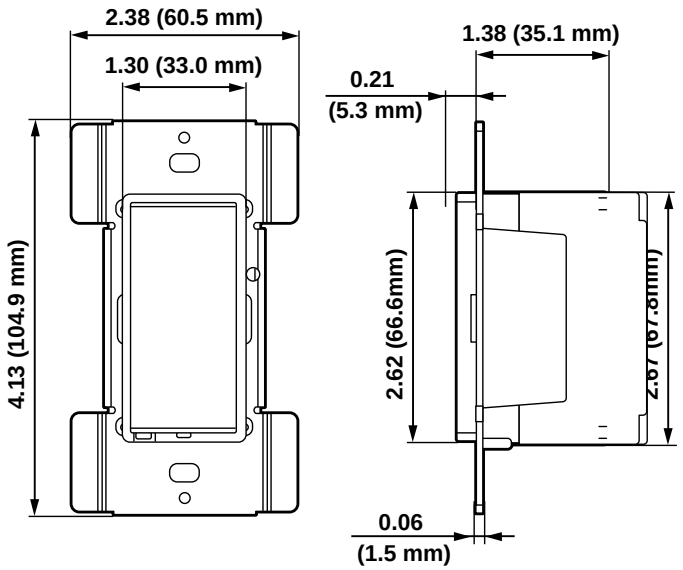
Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

True Touch™ Decora Digital Touch Dimmer 120V 60Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
Incandescent Touch Dimmer, Single-Pole Only	6606-W	600W	I, W, A, AI, AW, AGY, AE
True Touch Incandescent	TTI06-10W	600W	I, W, A, WS, GI, GY, E, BG
True Touch Incandescent	TTI10-10W	1000W	I, W, A, WS, GI, GY, E, BG
True Touch Magnetic Low-Voltage	TTM06-10W	600VA (450W)	I, W, A, WS, GI, GY, E, BG
True Touch Magnetic Low-Voltage	TTM10-10W	1000VA (750W)	I, W, A, WS, GI, GY, E, BG
True Touch Remote Unit	TT00R-10W	No load rating	I, W, A, WS, GI, GY, E, BG
True Touch Dimmer Color Change Kit	TTKIT	———	I, W, A, WS, GI, GY, E, BG
True Touch Remote Unit Color Change Kit	TTKTR	———	I, W, A, WS, GI, GY, E, BG

All devices are UL Listed and CSA Certified.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.



TRUE TOUCH DECORA DIGITAL TOUCH DIMMER
Cat. No. TTI10-10W

ToggleTouch™ Toggle Digital Preset Touch Dimmer 120V 60Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR*
ToggleTouch Incandescent (No LED locator, single-pole only)	TGI06-10	600W	W, I, A
ToggleTouch Incandescent	TGI06-1L	600W	W, I, A, B
ToggleTouch Incandescent	TGI10-1L	1000W	W, I, A, G
ToggleTouch Magnetic Low-Voltage	TGM10-1L	1000VA	W, I, A, G

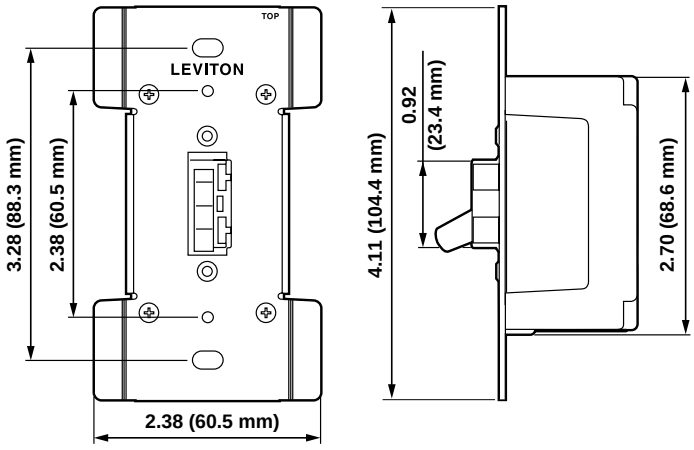
All items are UL Listed and CSA Certified

Note: Leviton does not recommend using the ToggleTouch Dimmer with metal wallplates.

Digital Lighting and Fan Speed Controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the Control is properly connected to the load as indicated by the device's wiring instructions.

TGI06-1LW

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**



TOGGLETOUCH DIGITAL PRESET TOUCH DIMMER
Cat. No. TGI06-1LW

SPECIFICATIONS & FEATURES

- Provides a unique combination of toggle-style ON/OFF switching and digital Touch Pad technology
- Designed for smooth ON/OFF toggle action and fingertip-control touch dimming that's easy to operate
- Provides single-pole (one-location) and multi-location 3-way control when used with a 3-way switch
- Fits perfectly with Leviton standard toggle wallplates; gangs perfectly with all Leviton toggle switches
- Provides preset dimming with soft-ON feature (does not provide fade OFF)
- Available with Locator LED that is illuminated when lights are OFF
- Protected memory during temporary power failures ensures that ToggleTouch will retain last setting before power interruption
- Built-in radio/TV interference filter

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Add suffix to catalog number as follows for other colors: Brown (-B), Ivory (-I), White (-W), Gray (-G), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

IPI06-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Fluid slide movement allows fine adjustment of light level with minimum effort
- Captured, wrap-around slide bar stays in place and cannot fall off during use
- Preset versions provide easy-to-use pushbutton switch with locator LED conveniently positioned on it, making the pushbutton easier to find in the dark
- Preset versions provide single-pole (one-location) and multi-location lighting control when used with a 3-way switch
- Attractive Decora styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF. LED is positioned in the same location on both Preset and Non-Preset Preset versions, giving a true "family look" to IllumaTech
- Power failure recovery ensures retention of last setting before power interruption
- Built-in radio/TV interference filter
- Quiet 1.5 Amp Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5-amp fan speed controls also available
- Color change kits feature a self-aligning mechanism that automatically connects it to internal slider
- Snap-On Color Change Kits allow color changes on any device, eliminating the need to stock a separate device for every available color

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), Almond (-A), and Brown (-B).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

IllumaTech™ Preset Slide Controls — Single Pole and 3-Way, with LED Locator *All IllumaTech Preset Dimmers provide single-pole (one location) and 3-way (multi-location) control when used with a 3-way switch.*

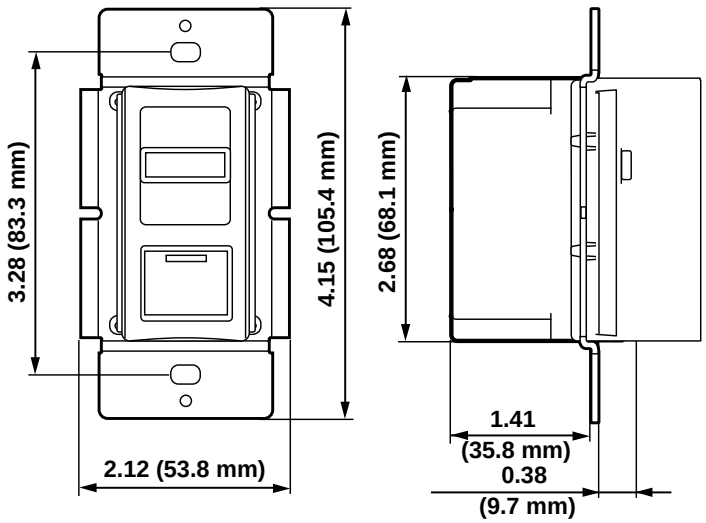
DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
IllumaTech Incandescent	IPI06-1LW	600W-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Incandescent (no LED locator)	IPI06-10W	600W-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Incandescent	IPI10-1LW	1000W-120V	W, I, A, G, E, B
IllumaTech Electronic Low-Voltage	IPE04-1LW	400VA (300W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	IPM06-1LW	600VA (450W)-120V AC 60 Hz	W, I, A, G, E,B
IllumaTech Magnetic Low-Voltage	IPM10-1LW	1000VA (750W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Advance Mark X™/PhilipsEcotron™ Fluorescent Dimming Ballast	IPX06-1LW	600VA (450W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Advance Mark X™/PhilipsEcotron™ Fluorescent Dimming Ballast	IPX10-1LW	1000VA (750W)-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballast	IPX12-7LW	1200VA (900W) 277V AC	W, I, A, G, E, B
IllumaTech Quiet Fan Speed Control	IPF01-1LW	1.5 Amps-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Fan Speed Control	IPF05-1LW	5 Amps-120V AC 60 Hz	W, I, A, G, E, B
IllumaTech Color Change Kit	IPKIT-00W	——	W, I, A, G, E, B
IllumaTech Color Change Kit for Quiet Fan Speed Control	IPQFK-00W	——	W, I, A, G, E, B

IllumaTech™ Preset Slide Controls— Single Pole and 3-Way, with LED Locator 220V AC 50Hz Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
IIIllumaTech Incandescent	IPI06-2LW	600W	W, I, A, G, E, B
IllumaTech Incandescent	IPI10-2LW	1000W	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	IPM06-2LW	600VA (450W)	W, I, A, G, E, B
IllumaTech Quiet Fan Speed Control	IPF01-2LW	1.5 Amps	W, I, A, G, E, B

Note: 220V devices are not UL Listed or CSA Certified

Note: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.



ILLUMATECH PRESET SLIDE DIMMER
Cat. No. IPI06-1LW

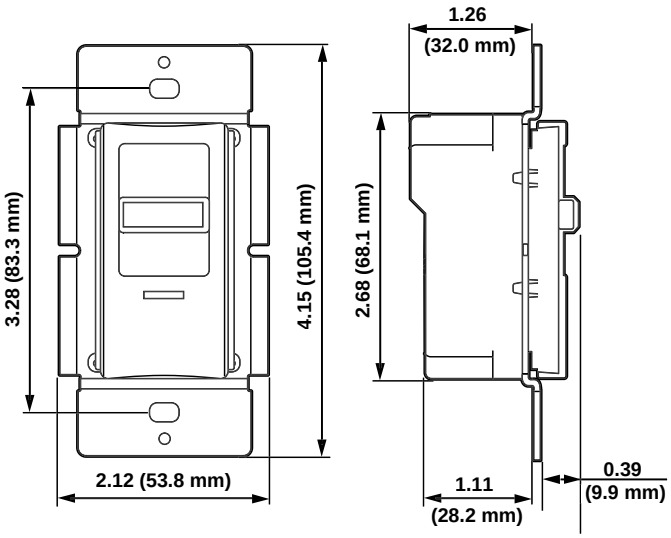
IllumaTech™ Non-Preset Slide Dimmers — Single-Pole Only, with LED Locator 120V 60 Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR CHANGE KIT*
IllumaTech Incandescent	INI06-1LW	600W	W, I, A, G, E, B
IllumaTech Incandescent (no LED locator)	INI06-10W	600W	W, I, A, G, E, B
IllumaTech Incandescent	INI10-1LW	1000W	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	INM06-1LW	600VA (450W)	W, I, A, G, E, B
IllumaTech Magnetic Low-Voltage	INM10-1LW	1000VA (750W)	W, I, A, G, E, B
IllumaTech Quiet Fan Speed Control	INF01-1LW	1.5 Amps	W, I, A, G, E, B
IllumaTech Fan Speed Control	INF05-1LW	5 Amps	W, I, A, G, E, B
IllumaTech Color Change Kit	INKIT-00W	———	W, I, A, G, E, B
IllumaTech Color Change Kit for Quiet Fan Speed Control	INQFK-00W	———	W, I, A, G, E, B

All devices are UL Listed and CSA Certified.

INI06-1LW in 80301-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**



ILLUMATECH NON-PRESET SLIDE DIMMER
CAT. NO. INI06-1LW

SPECIFICATIONS & FEATURES

- Fluid slide movement allows fine adjustment of light level with minimum effort
- Captured, wrap-around slide bar stays in place and cannot fall off during use
- Attractive Decora styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates
- Locator LED is illuminated when lights are OFF. LED is positioned in the same location on both Preset and Non-Preset Preset versions, giving a true "family look" to IllumaTech
- Power failure recovery ensures retention of last setting before power interruption
- Built-in radio/TV interference filter
- Quiet 1.5 Amp Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5-amp fan speed controls also available
- Color change kits feature a self-aligning mechanism that automatically connects it to internal slider
- Snap-On Color Change Kits allow color changes on any device, eliminating the need to stock a separate device for every available color

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes White device. For other colors, order Color Change Kits and add suffix as follows: Ivory (-I), White (-W), Gray (-G), Black (-E), Almond (-A), and Brown (-B).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

6621-PW

6667-31

SPECIFICATIONS & FEATURES

- All SureSlide devices have a permanently mounted smooth-action integrated linear slide control for easy, precise operation
- SureSlide features a slim, compact housing that fits easily into a standard wallbox and is suitable for multi-gang installations
- Preset versions provide single-pole (one-location) and multi-location lighting control when used with a 3-way switch
- SureSlide's attractive Decora styling coordinates perfectly with Leviton's complete line of Decora wiring devices
- Compatible with Decora screwless and Decora standard designer wallplates
- Built-in radio/TV interference filter
- Quiet 1.5 Amp Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5-amp fan speed controls also available
- SureSlide Cat. No. 6668 is specially designed to work with the Philips Dimmable Earthlight®
- Preset versions provide a low-end trim adjustment for precise lamp brightness and fan speed at the low-end settings

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes Brown unless otherwise stated. Add suffix to catalog number as follows for other colors: Ivory (-I), White (-W), Gray (-GY or G), Black (-E), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

SureSlide™ Decora Full Range Slide Dimmers 120V 60Hz AC Only

Incandescent

DESCRIPTION	CAT. NO.	RATING	COLOR* *Basic Cat. No. Denotes Brown*
SureSlide Single-Pole	6621	600W	I, W, GY, A
SureSlide Single-Pole with Preset ON/OFF Switch	6621-P	600W	I, W, GY, E, A
SureSlide Single-Pole Illuminated	6631	600W	I, W
SureSlide Single-Pole Illuminated, with Preset ON/OFF Switch	6631-P	600W	I, W
SureSlide 3-Way with Preset ON/OFF Switch	6623-P	600W	I, W, GY, E, A
SureSlide 3-Way Illuminated, with Preset ON/OFF Switch	6633-P	600W	I, W
SureSlide Dual Slide Dimmer—(2) Single-Pole Loads, Incandescent or Magnetic Low-Voltage	6628	300W or 300VA per circuit; 600W/600VA Total	I, W, A, GY (No Brown)

Magnetic Low-Voltage

SureSlide Single-Pole with Preset ON/OFF Switch	6611-P	600VA (450W)	I, W, GY, E, A
SureSlide 3-Way with Preset ON/OFF Switch	6613-P	600VA (450W)	I, W, GY, E, A

Advance Mark X™/Philips Ecotron™ Fluorescent Dimming Ballasts

SureSlide Single-Pole and 3-Way with Preset ON/OFF Switch	6667-31	500W 120V	White Only
SureSlide Single-Pole and 3-Way with Preset ON/OFF Switch	6667-37	500W 277V	White Only

Advance Mark X/Philips Ecotron/ Philips Dimmable Earthlight®

SureSlide Single-Pole	6668-1	500W 120V Mark X and Ecotron, 350W 120V Philips dimmable Earthlight	I, W (No Brown)

Full-Range Fan Speed Controls

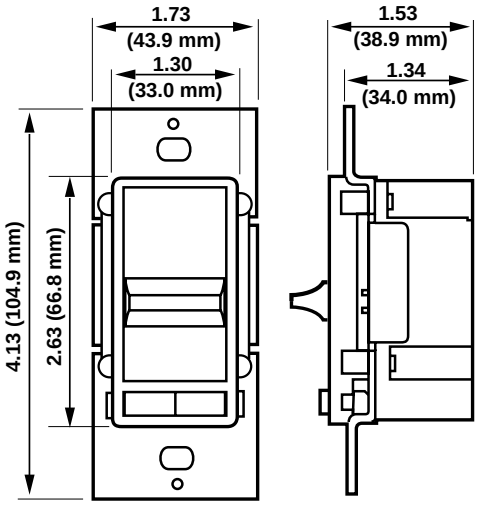
SureSlide Single-Pole	6627	5 Amps	I, W
SureSlide Single-Pole with Preset ON/OFF	6627-P	5 Amps	I, W, A, G, E
SureSlide 3-Way with Preset ON/OFF	6637-P	5 Amps	I, W, A, G, E

Quiet Step Fan Speed Controls

Brown Not Available

SureSlide Single-Pole Quiet Step	6629-P	1.5 Amps	I, W, A, GY
SureSlide 3-way Quiet Step	6629-3	1.5 Amps	I, W, A, GY
SureSlide Dual Quiet Fan Speed and Fixture Dimmer	6630	1.5A Fan/ 300W Fixture	I, W, A, GY

All devices are UL Listed and CSA Certified.



SURESLIDE PRESET DIMMER
Cat. No. 6621-P

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

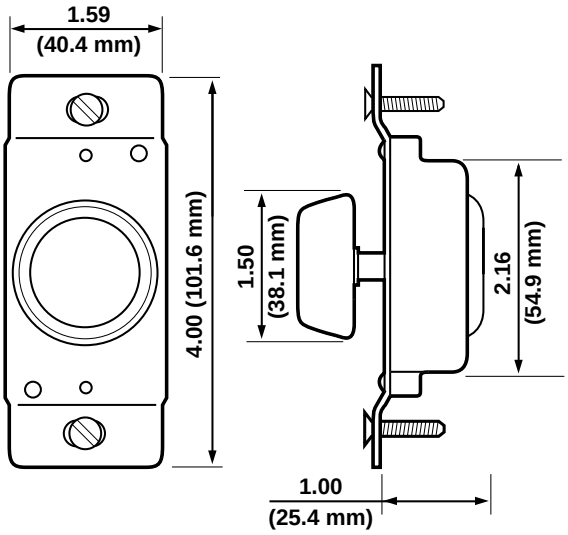
Trimatron™ Deluxe Push-ON/Push-OFF Full Range Rotary Dimmer 600 Watts 120V 60Hz AC Only

DESCRIPTION	CAT. NO.	RATING	COLOR*
Trimatron Deluxe Push-ON/Push-OFF Single-Pole	6681	600W	I, W
Trimatron Deluxe Push-ON/Push-OFF Single-Pole with Grounding Lead	6681-2	600W	I
Trimatron Deluxe Push-ON/Push-OFF 3-Way	6683	600W	I, W
Trimatron Deluxe Push-ON/Push-OFF 3-Way with Grounding Lead	6683-2	600W	I
Trimatron Single-Pole Deluxe Rotary	6602	600W	I, W
Trimatron Single-Pole Deluxe Rotary (Not UL Listed or CSA Certified)	6602-220	600W-220V 50Hz AC	I
Trimatron Economy Push-ON/Push-OFF, Full-Range Single-Pole	6600-1	600W	I
Trimatron Hi-Lo Rotary Single-Pole (Not UL Listed)	6603	300W	I
Trimatron Full-Range Fan Speed Control	6616-X	5 Amps	I, W
Trimatron Quiet Fan Speed Control	6639	1.5 Amps	I, W
Decora Plastic Adapter for Rotary Dimmers — Plastic, Standard size; fits over .406" dimmer shaft	80400	———	I, W, E
Dimmer Knobs with metal insert (packed 25 per box)	26115	———	I, W, E

Note: When ganging 2 Trimatron dimmers, limit the load on each to 400W. For ganging 3 or more units, limit the load on each to 300W.

Note: All dimmers have a ground wire.

All devices are UL Listed and CSA Certified except where indicated by★



TRIMATRON DELUXE PUSH-ON/PUSH-OFF DIMMER
Cat. No. 6681-I

6681-W

- **Use with Leviton DPSPE-112 Power Extender to extend 120V load capacity to 2000W (2000VA) for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
- **Use with Leviton DPSPE-212 Power Extender to extend 120V load capacity to 2000VA for Advance Mark VII™ and Motorola Helios™ fluorescent ballasts.**

SPECIFICATIONS & FEATURES

- Leviton Trimatron lighting controls are traditional rotary-style dimmers featuring an ultra-compact design that fits in even the tightest single-gang wallboxes and is suitable for multi-gang installations
- Built-in radio/TV interference filter
- Quiet 1.5 Amp Trimatron Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5-amp fan speed controls also available
- All Trimatron dimmers are compatible with Leviton standard toggle-switch wallplates and are easily gangable
- Wire leads provided for fast, easy assembly and wiring

TESTING & CODE COMPLIANCE

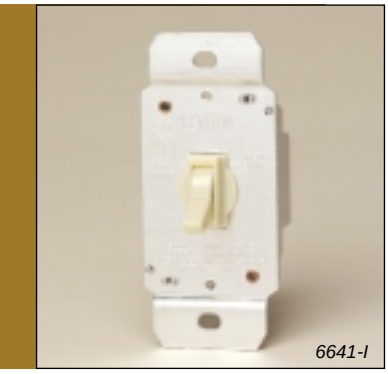
- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

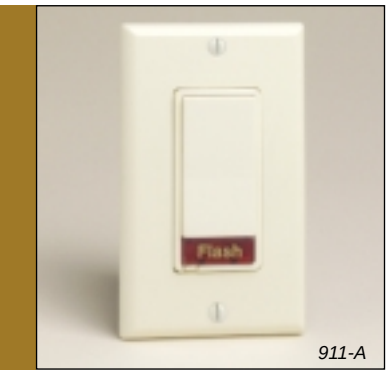
Add suffix to catalog numbers as follows to select colors: Ivory (-I), White (-W) and Black (-E). Cat. Nos. 80400 and 26115 also available in Brown (no suffix).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F



6641-I



911-A

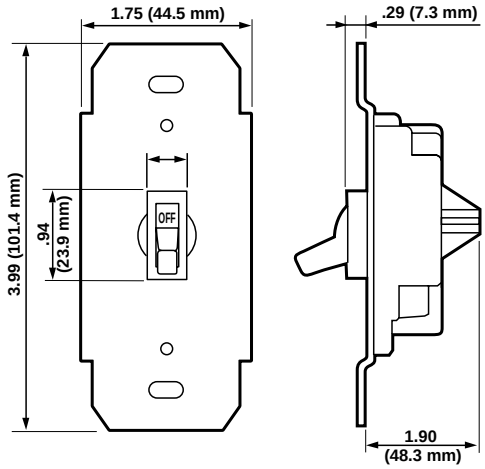
Toggle Dimmers 600 WATTS 120V

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
Single Pole Toggle Dimmer	6641	I, W
3-Way Toggle Dimmer	6643	I, W
Single Pole Illuminated Toggle Dimmer	6691	Clear
3-Way Illuminated Toggle Dimmer	6693	Clear

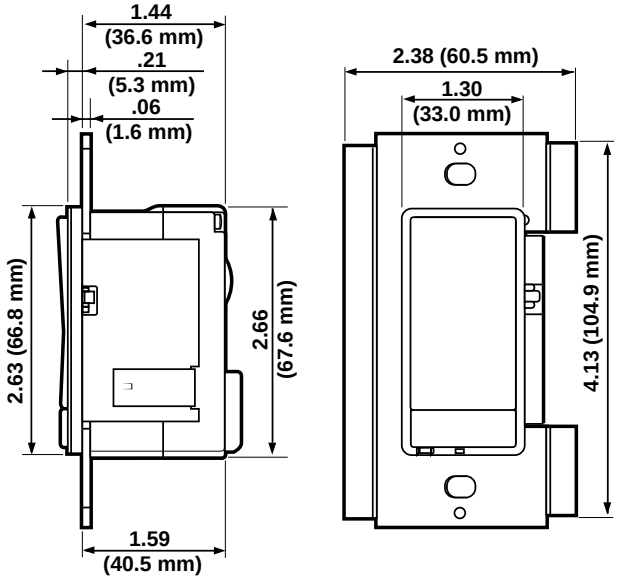
Note: When ganging two units, limit load on each to 400 watts and for three or more units, limit load on each to 300 watts

Decora® 911 Flasher Switch 500 WATTS 120V

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Ivory*
Decora 3-Position Emergency Flasher Rocker Switch	911	W, A



SINGLE POLE TOGGLE DIMMER
Cat. No. 6641



911 SWITCH
Cat. No. 911

SPECIFICATIONS & FEATURES

Toggle Dimmers

- Easy-to-install shallow design replaces standard switch in single wallbox
- Built-in radio/TV interference filter
- Positive ON/OFF action with smooth, full-range brightness control

911 Switch

- 911 replaces standard single-pole switch and alerts neighbors and helps emergency personnel locate a house quickly
- 911 Switch has standard ON/OFF operation plus a special illuminated "FLASH" position that causes controlled lighting to flash ON and OFF at one second intervals

TESTING & CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes Brown. Add suffix to catalog number as follows for other colors: Ivory (-I), White (-W), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

Full Range Compact Dimmer Socket 150 WATTS 120V

DESCRIPTION	CAT. NO.	COLOR
⅛ I.P.S. Thread and Set Screw	6151	(Non-color item)
⅛ I.P.S. Thread and Set Screw — Blister Pak Carded	6151-BP	(Non-color item)

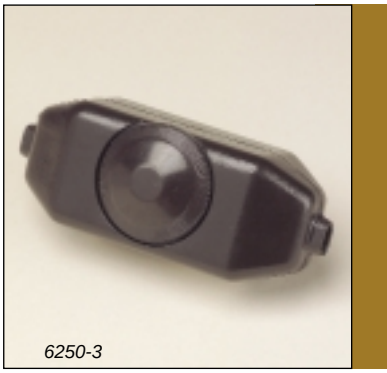
Full Range Feed-Through Lamp-Cord Dimmer 200 WATTS 120V AC

DESCRIPTION	CAT. NO.	COLOR
Individually Boxed★	6250-3	I

HI-LO Feed-Through Lamp-Cord Dimmer 200 WATTS 120V AC

DESCRIPTION	CAT. NO.	COLOR
HI-LO Feed-Through Dimmer	1420	I, W

All devices are UL Listed. Also CSA Certified except where indicated by★



6250-3

SPECIFICATIONS & FEATURES

- Compact Dimmer Socket interchangeable with standard lampholder for dimmer conversion (eliminates need for expensive 3-way bulbs)
- Full-Range Feed-Through Lamp Cord Dimmer provides full-range dimming with positive ON/OFF action in a completely insulated plastic housing

TESTING & CODE COMPLIANCE

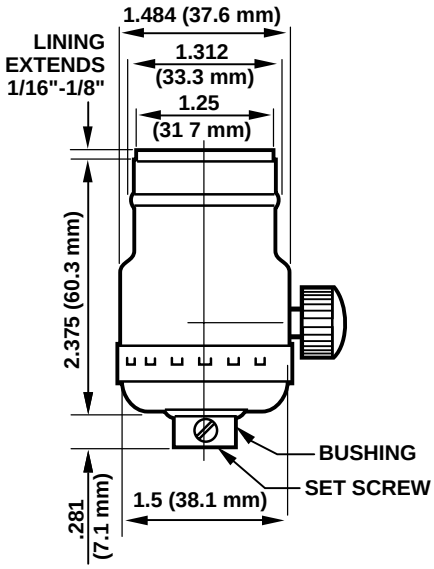
- UL Listed (File #E-3810) – 6151; (File #E-7458) – 1420; (File #E-7442) – 6250-3
- CSA Certified (File #LR-1863) – 6151; (File #LR-3413) – 1420
- Backed by a Limited Two-Year Warranty

*COLOR

Basic Cat. No. denotes Brown. Add suffix to catalog number as follows for other colors: Ivory (-I), White (-W).

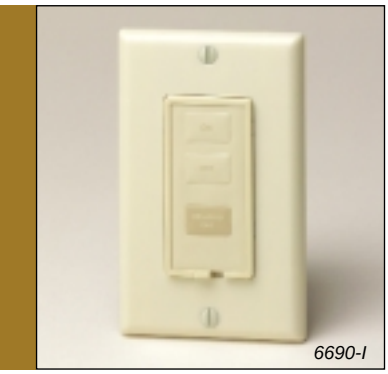
MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F



FULL-RANGE COMPACT DIMMER SOCKET
Cat. No. 6151

6515M-W


6690-I

SPECIFICATIONS & FEATURES

- Electronic Timer Switch has four preset buttons plus OFF for timed control of lights and appliances.
- Electronic Timer Switch LED's indicate time elapsed and last LED flashes two minutes until OFF warning
- Press OFF button on Time Delay Switch — lights remain ON for 5 minutes before switching OFF
- All install easily in single gang wallbox in place of standard switch
- Electronic keypad control
- Matching wallplate included

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800—Cat. Nos. 6515M, 6530M, 6560M, 6512H, 6215M, 6230M, 6260M, 6212H; File #E-7458—Cat. No. 6690)
- CSA Certified (File #LR-68679—Cat. Nos. 6515M, 6530M, 6560M, 6512H, 6215M, 6230M, 6260M, 6212H; File #LR-67309—Cat. No. 6690)
- NOM Certified (#057)
- Backed by a Limited Two-Year Warranty

*COLOR

Colors available as listed. For color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating

Operating Temperature: 32°F to 130°F

For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.

Decora Plus Electronic Timer Switches

Leviton Timers add contemporary styling to any commercial or residential application. Built to the highest performance standards, Decora Electronic Timers provide long-lasting trouble-free service life.

Four Preset buttons plus an OFF button permit timed control of lights and appliances. Decora Plus Timers are ideal for heat lamps, foyer and outdoor lights, hot tubs, spas, attic and exhaust fans. LED's indicate elapsed time and flash "Two Minutes Until OFF" warning.

COMMERCIAL SPECIFICATION GRADE

Electronic Timer Switches 120V AC 60Hz

DESCRIPTION	CAT. NO.	INTERVAL	COLOR
Four Preset Buttons & OFF	6215M	2-5-10-15 Minutes	I, W, A
3-Wire, Single-Pole (Neutral Required)	6230M	5-10-15-30 Minutes	I, W, A
1000W Incandescent, 20A Inductive	6260M	10-20-30-60 Minutes	I, W, A
1 HP @ 120V	6212H	2-4-8-12 Hours	I, W, A

RESI RESIDENTIAL GRADE

Electronic Timer Switches 120V AC 60Hz

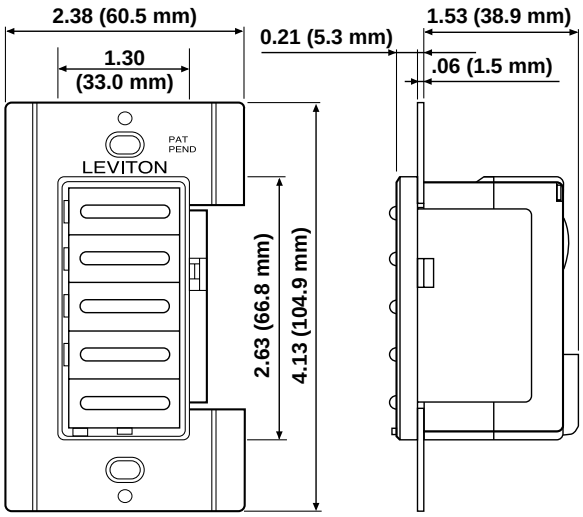
DESCRIPTION	CAT. NO.	INTERVAL	COLOR
Four Preset Buttons & OFF	6515M	2-5-10-15 Minutes	I, W, A
2-Wire, Single-Pole	6530M	5-10-15-30 Minutes	I, W, A
500W Incandescent Only	6560M	10-20-30-60 Minutes	I, W, A
	6512H	2-4-8-12 Hours	I, W, A

RESI RESIDENTIAL GRADE

Time Delay Switch (Incandescent Only) 300 WATT 120V AC

DESCRIPTION	CAT. NO.	COLOR
Single Pole, Five Minute Delayed OFF Switch	6690	I, W

All devices are UL Listed and CSA Certified.



THESE DIMENSIONS APPLY TO ALL ELECTRONIC TIMER SWITCHES ON THIS PAGE

DECORA PLUS Programmable Electronic Timers

24-Hour Programmable Electronic Timer Switch

DESCRIPTION	CAT. NO.	INTERVAL	COLOR
24-Hour LCD Programmable Timer Switch 1200W Incandescent, 1200VA Inductive @ 120V AC 60Hz Motor: 1 HP @ 120V AC 60Hz UL, ¾ HP @ 120V AC 60Hz CSA Neutral Connection Required Compatible with electronic ballasts	6124H	24-Hour ON/OFF scheduling in 30 minute intervals	I, W, A

6124H-W

14-Hour Programmable Electronic Timer Switch

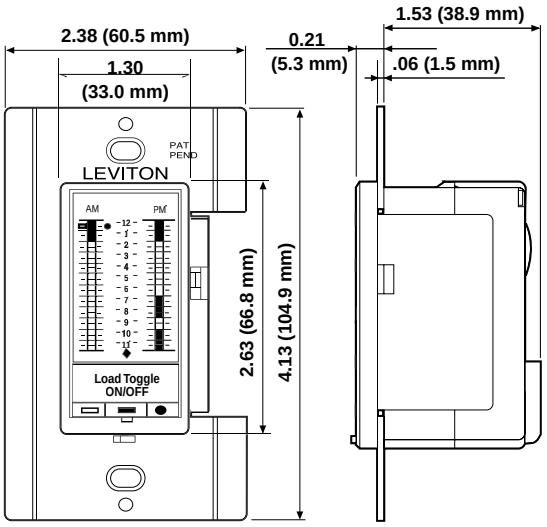
DESCRIPTION	CAT. NO.	INTERVAL	COLOR
14-Hour Segment Programmable Timer Switch 40W min, 500W max. @ 120V AC 60Hz, Incandescent only Neutral Not Required. Not compatible with electronic ballasts	6651	14-Hour ON/OFF scheduling in hourly intervals	I, W, A

6651-W

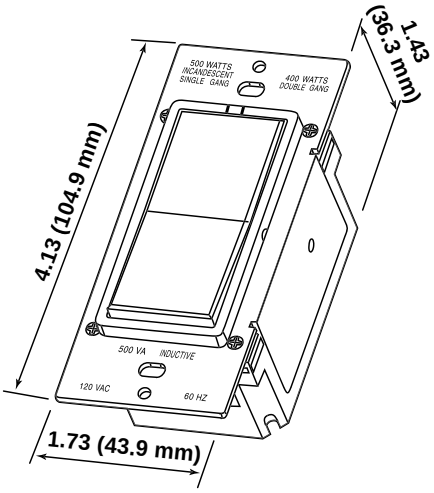
Variable Countdown Timer Switch

DESCRIPTION	CAT. NO.	COLOR
Rotary-Dial Variable Countdown Timer Switch 600W Incandescent, 20 Amp Inductive 1 HP @ 120V AC 60Hz Neutral Connection Required. Compatible with electronic ballasts	6652	1 minute to 18 hours	I, W, A

All devices are UL Listed and CSA Certified.



PROGRAMMABLE ELECTRONIC TIMER SWITCH
Cat. No. 6124H



PROGRAMMABLE ELECTRONIC TIMER SWITCH VARIABLE COUNTDOWN TIMER
Cat. Nos. 6651 and 6652

SPECIFICATIONS & FEATURES

24-Hour Programmable Timer

- Ideal for a wide variety of commercial and residential applications including outdoor lighting, pools, motors, sprinklers, exhaust and attic fans, bathroom heat lamps, hot tubs and spas, whole-house exhaust fan scheduling, office lights, janitor closets, landscape and security lighting
- Permits separate ON or OFF scheduling for half-hour periods of the day; ON/OFF manual control available by using button below display panel
- Decora styling enhances any interior (NOTE: 6124H cannot be used with Decora Plus Screwless Snap-On Wallplates)

14-Hour Programmable Timer

- Ideal for residential incandescent lighting control including indoor, outdoor and seasonal lighting
- "Set-it-and-forget convenience" provides automatic daily control with manual override
- Automates daily switching program (up to 14 hours) by responding to DIP switch ON or OFF position for each hour; repeats until function switch is moved to Manual or OFF mode

Countdown Timer Switch

- For residential and light commercial applications including indoor and outdoor lighting, office lights and ceiling paddle fans
- Simple rotary-dial time selection of settings from 1 minute to 18 hours
- An illuminated LED indicates load is ON. Blinking LED accompanied by annunciator sound indicates end of time cycle

TESTING & CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-68679)
- Backed by a Limited Two-Year warranty

*COLOR

Colors available as listed. For color selections, add suffix to catalog numbers as follows: Ivory (-I), White (-W), and Almond (-A).

MATERIAL CHARACTERISTICS

Environmental: Flammability UL-94, V2 Rating
Operating Temperature: 32°F to 130°F

LK004

LiteKeeper® and TimeKeeper® Timed Lighting Control Panels — Complete, Stand-Alone Energy Mangement Systems

LiteKeeper® and TimeKeeper® provide complex scheduling of lighting and other loads in commercial and residential applications where a time clock is typically used in conjunction with switching contactors. These stand-alone units are fully programmable with an on-board keypad.

SPECIFICATIONS & FEATURES

- Ideal for: Cafeterias, auditoriums, gymnasiums and recreational area, pools, parking facilities, landscape and security lighting
- Easy keypad programming with self-prompting LCD display
- Switch inputs furnish local override capability for each relay
- Inputs can be configured to accept momentary, maintained or toggle switches as well as motion detection sensors and photocells
- Holiday schedules
- Timed inputs
- Master override switch: ON/AUTO/OFF
- Astronomical clock eliminates the need for expensive photocells
- Optional beeper module allows user to turn loads On and Off from remote locations without the need for pulling phone lines
- 2-year hardware/software warranty
- Limited 10-year warranty on individual relays

TESTING & CODE COMPLIANCE

- ETL/ETLC Listed — UL 916 Standards

LiteKeeper® Fully-Assembled Control Panel within a NEMA-1 Lockable Enclosure

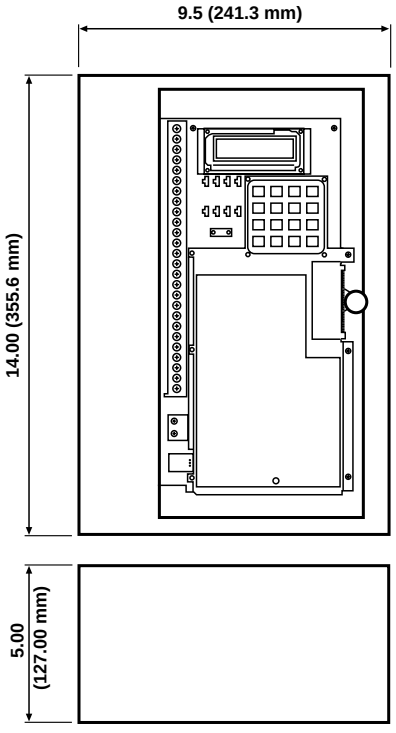
DESCRIPTION	CAT. NO.	COLOR*
4 Switch Inputs with 4 Standard 20A Output Relays, 120V AC	LK004-120	Gray
4 Switch Inputs with 4 Standard 20A Output Relays, 277V AC	LK004-277	Gray
8 Switch Inputs with 8 Standard 20A Output Relays, 120/277V AC	LK008-0DV	Gray

Enclosure Dimensions:
LK004: 9.5" (241.3 mm) H x 14.0" (355.6 mm) W x 3.25" (82.6 mm) D
LK008: 14.0" (355.6 mm) H x 9.5" (241.3 mm) W x 5.0" (127.0 mm) D

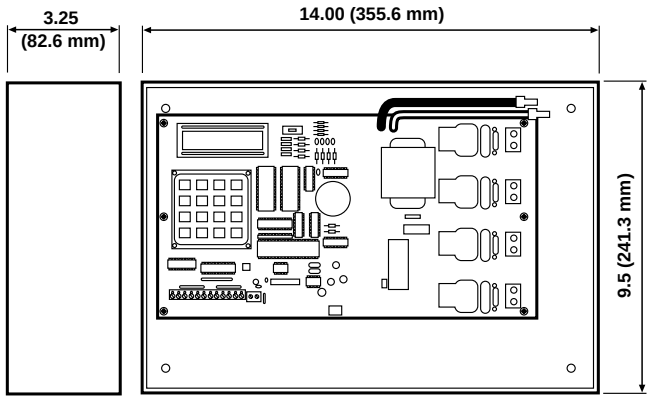
TimeKeeper® Control Panel within a NEMA-1 Lockable Enclosure, relays shipped separately

DESCRIPTION	CAT. NO.	COLOR*
Cabinet with 8 Switch Inputs, accomodates Single-Phase or Two-Pole Relays	TK000-0DV	Gray
20A Relays, 120/208/240V AC Two-Pole, 1–8 Relays	TPR-208	——
20A Relays, 277/480V AC Two-pole, 1–4 Relays	TPR-480	——
20A Relays, 120/277/347V AC Single-Phase, 1–8 Relays	SPR-347	——

Enclosure Dimensions:
TK000: 14.0" (355.6 mm) H x 9.5" (241.3 mm) W x 7.0" (177.8 mm) D



Cat. No. LK008



Cat. No. LK004

Occupancy Sensor Lighting Controls

Leviton's Wall Switch and Ceiling Mounted Occupancy Sensors use passive infrared or ultrasonic sensing technology to provide cost-effective lighting control. Leviton Occupancy Sensors are capable of monitoring conference rooms, classrooms, stairwells, stock rooms, lounges, rest rooms, and outdoor areas.

The Passive Infrared (PIR) units respond to change in the infrared background by turning lights ON when people enter a space being monitored, and OFF when the space is unoccupied. The ultrasonic units transmit ultrasound and monitor for changes in the signal's return time to detect occupancy, turning lights ON when movement is detected, and OFF when the space is unoccupied. By analyzing traffic flow, Leviton Occupancy Sensors can be installed to generate significant lighting cost savings combined with energy efficiency.

OCCUPANCY SENSOR LIGHTING CONTROLS

Overview _____P1
Centura™ Fluorescent Energy Management System_____P2
Decora Wall Switch Infrared Occupancy Sensors _____P3
Decora Dual-Relay Wall Switch Infrared Occupancy Sensor _____P3
Self-Contained Infrared Ceiling Mount Occupancy Sensor _____P4
Multi-Tech Ceiling Mount Occupancy Sensor _____P5
Ultrasonic Ceiling Mount Occupancy Sensor _____P6
Infrared Ceiling Mount Occupancy Sensor _____P7
Multi-Tech Wall Mount Occupancy Sensor _____P8
Infrared Wide-View Wall Mount Occupancy Sensor _____P9
Infrared High-Bay Wall Mount Occupancy Sensor _____P9
Power Packs for Occupancy Sensors ___P10
Infrared Outdoor Motion Sensors _____P11

SECTION P

COMMERCIAL SPECIFICATION GRADE

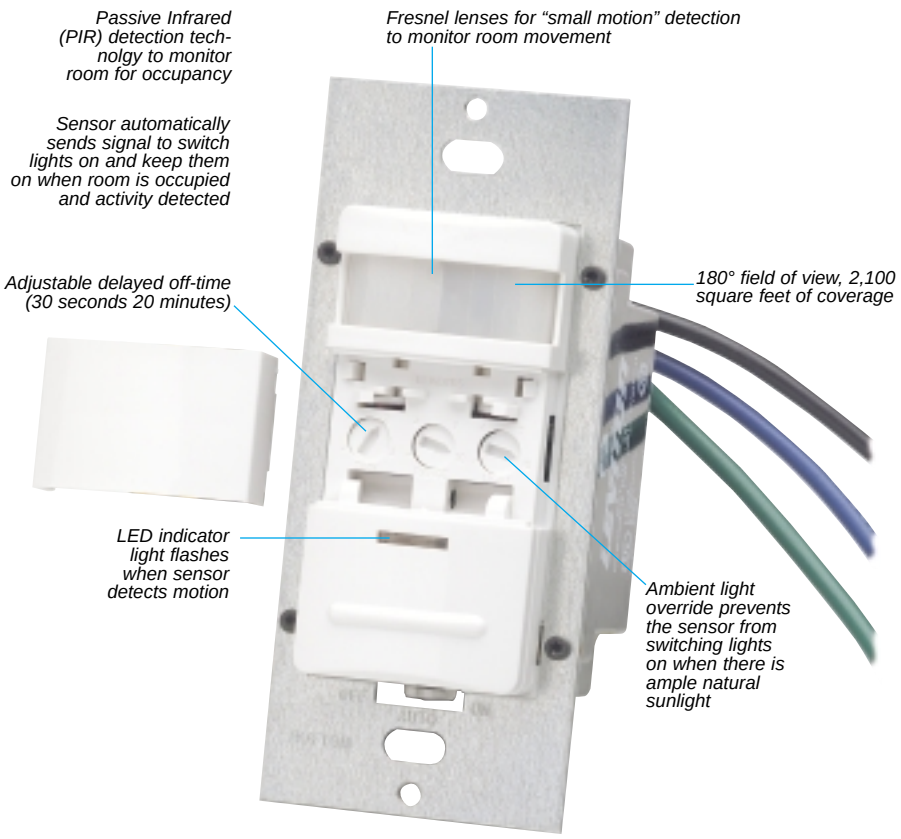
LEVITON LIGHTING CONTROL DIVISION
Building a Connected World

Occupancy Sensor Lighting Controls

Leviton provides a variety of space-monitoring Occupancy Sensor Lighting Controls for virtually any room, space, facility, home or office. Wall or ceiling, passive infrared or ultrasonic, end users will benefit from Leviton's Occupancy Sensors as a direct result of their energy efficiency and obvious cost-effectiveness.

Features and Benefits

- 180° field of view, covers approximately 2100 square feet
- Selectable base time-delay interval from 30 seconds to 20 minutes
- Self-adjusting delayed off time interval compensates for real time occupancy patterns, preventing unnecessary on/off switching
- Can be used with incandescent or fluorescent lighting
- Motion-activated; infrared sensing technology turns lights ON when room is occupied and OFF when unoccupied
- Replaces standard switches in existing wallboxes
- Ambient light override keeps lights off when there's plenty of sunlight
- Push-button manual override allows controls to be used like standard ON/OFF switches; manual-ON/Auto-OFF mode
- "Walk-Through" feature shuts off lights after 2 1/2 minutes rather than an extended period
- Compatible with Decora designer-styled devices
- Backed by a Limited Five-Year Warranty



Cat. No. ODS15-IDW

Versatile Occupancy Sensor Lighting Controls for Cost-Effective Energy Savings

Multi-Technology Ceiling-Mount Occupancy Sensor

Combines infrared and ultrasonic technology for highly accurate monitoring. 360°, 2000 sq. ft coverages.

Cat. No. ODC20-M0W

Multi-Technology Wall-Mount Occupancy Sensor

Combines infrared and ultrasonic technology for highly accurate monitoring. 110°, 1200 sq. ft coverage.

Cat. No. ODW12-M0W

Infrared High-Bay Wall-Mount Occupancy Sensor

Ideal for warehouse aisles, hallways, stairways and other long, narrow spaces.

Cat. No. ODWHB-I0W

Self-Contained Ceiling Mount PIR Occupancy Sensor

Contains sensor and switching relay; 360° field of view; adjustable delayed off time of 20 seconds to 15 minutes.

Cat. No. ODC0S-I1W

Dual-Relay Decora Wall Switch Infrared Occupancy Sensor

Controls two separate lighting loads from a single unit. Features self-adjusting technology and choice of Classroom or Conference Room modes for maximum performance.

Cat. No. ODS0D-IDW

Outdoor Motion Sensor

Ideal for commercial/industrial settings, with temperature compensation to ensure performance in all weather conditions.

Cat. No. PS200-10W

To learn more about Leviton's outstanding offering of devices visit our Website at: www.leviton.com ***....Building a Connected World***

Centura™ Fluorescent Energy Management System

Leviton's new Centura™, a modular lighting control system for dimming fluorescent ballasts (Advance Mark VII™, Motorola Helios™ and Energy Savings SuperDim™), brings increased energy savings to commercial spaces. Using a technique known as "daylight harvesting", Centura factors in the available daylight for the precise control of fluorescent light levels to achieve optimum comfort and energy efficiency.

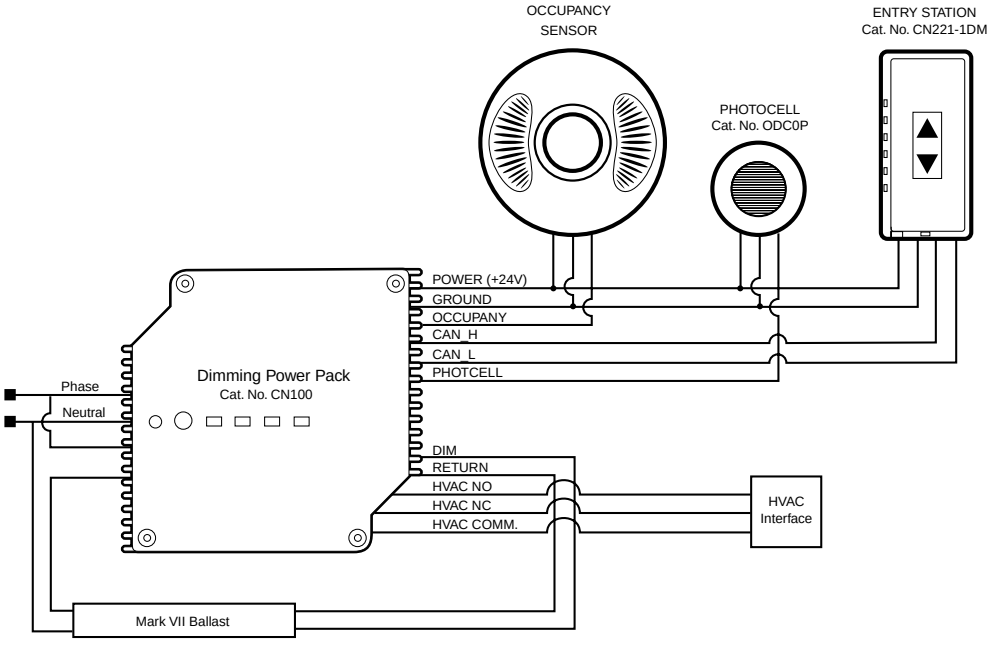
Centura™ Fluorescent Energy Management System

DESCRIPTION	CAT. NO.	RATING	COLOR
Centura Dimming Power Pack—ON/OFF and DIM/BRIGHT control of dimming fluorescent ballasts. Responds to Entry Station, Occupancy Sensor and Photocell input and provides +24 VDC power supply for these devices. Programmed via Entry Station. Secondary relay sends control signals to HVAC system. LED's indicate operation mode.	CN100	2400VA @ 120V AC 60Hz, 5500VA @ 277V AC 60Hz For use with Advance Mark VII™, Motorola Helios™, Energy Savings SuperDim™ and comparable ballasts only	Gray Metallic
Centura Entry Station Wall Switch—Decora-style rocker for ON/OFF switching with built-in arrow-shaped rocker for DIM/BRIGHT control. LED display indicates selected brightness level. Programs all energy management functions—back of wallplate provides instruction label that lines up with LED's to facilitate programming.	CN221-1DM	No load rating, for use with Centura Dimming Power Pack only	White—Ivory and Almond color change kits included
Centura Photocell—Detects available light levels for "Daylight Harvesting". Allows Centura system to maintain a programmed light level by constantly adjusting fluorescent light output to compensate for available daylight.	ODC0P	No load rating, for use with Centura Dimming Power Pack only	White

The Centura System can be used with the following Leviton Occupancy Sensors:

DESCRIPTION	CAT. NO.	PAGE NO.
Multi-Tech Ceiling Sensor	ODC05-M0W, ODC10-M0W, ODC20-M0W	P5
Ultrasonic Ceiling Sensor	ODC05-U0W, ODC10-U0W, ODC20-U0W	P6
PIR Ceiling Sensor	ODC04-I0W	P7
Multi-Tech Wall Sensor	ODW12-M0W	P8
PIR High-Bay Sensor	ODWHB-I0W	P9
PIR Wide-View Sensor	ODWWV-I0W	P9

Note: The Occupancy Sensors listed above can be powered by the Centura Dimming Power Pack—Use of a separate Occupancy Sensor Power Pack is not required.



CENTURA™ ENERGY MANAGEMENT SYSTEM ESSENTIAL COMPONENTS

CN100

CN221-1DM

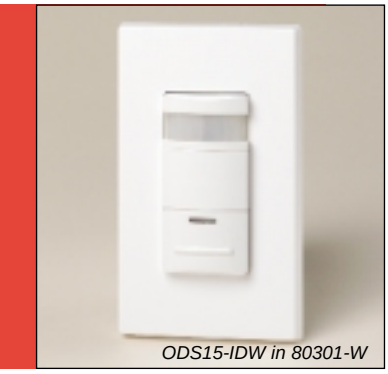
SPECIFICATIONS & FEATURES

- Ideal for commercial spaces and individual offices
- Reduces eyestrain and fatigue from glare, Increasing comfort and productivity
- All functions conveniently accessed through Entry Station Wall Switch – Users do not have to make adjustments at ceiling unit
- Dimming Power Pack provides low-voltage power supply for Entry Station, Photocell and Occupancy Sensors
- Photocell provides energy savings through Daylight Harvesting technology
- Use with Leviton Occupancy Sensors for increased energy savings: Lights turn ON automatically to programmed levels when personnel enter area; OFF automatically when area becomes vacant
- Modular system design expands energy saving options with an interface for building emergency systems, load shedding programs and time clock systems
- Dimming Power Pack mounts in standard 2-gang square back box. Entry Station Wall Switch mounts in standard single-gang switch box.

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified

Occupancy Sensor Lighting Controls



ODS15-IDW in 80301-W

ODS0D-IDW in 80301-W

SPECIFICATIONS & FEATURES

Decora Wall Switch Infrared Occupancy Sensor (ODS15-ID)

- For use in small offices, conference rooms, class rooms, stock rooms, lounges, restrooms, warehouses & commercial areas
- Exclusive automatic "Walk-Through" sensing increases energy savings by shutting lights within 2½ minutes after momentary occupancy
- Self-adjusting delayed OFF-time interval compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- 180° field of view, 2100 sq. ft. of coverage

Dual-Relay Decora Wall Switch Infrared Occupancy Sensor (ODS0D-ID)

- Ideal for class rooms and conference rooms
- Exclusive automatic "Walk-Through" sensing
- Provides automatic switching for 2 separate banks of fluorescent, incandescent, or low-voltage lighting from a single unit
- Self-adjusting delayed OFF-time interval compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- 180° field of view, 2100 sq. ft. of coverage
- Ambient light override prevents these devices from switching lights ON when there is ample natural sunlight
- Push-button manual override is used to turn lights ON at any time, regardless of the override setting

Wall Switch Infrared Occupancy Sensor (ODS10-ID)

- For use in enclosed offices, storage rooms, copier rooms & closets
- One unit can be used for 120V or 277VAC 60Hz incandescent, low-voltage and fluorescent lighting with either magnetic or electronic ballasts, and motor loads.

Decora® Wall Switch Infrared Occupancy Sensor (Incandescent or Fluorescent)

DESCRIPTION	CAT. NO.	RATING	COLOR
Decora Wall Switch Infrared Occupancy Sensor	ODS15-ID (formerly 6768)	Fluorescent: 1800VA @ 120V, 4000VA @ 277V. Incandescent: 1800W @ 120V. Motor: 1/4 HP @ 120V	I, W, G, A
Decora Wall Switch Infrared Occupancy Sensor	ODS10-ID (formerly 16775)	Incandescent: 800W @ 120V, Fluorescent: 1200VA @ 120V, 2700VA @ 277V. For 60 Hz AC only. Motor: 1/4 HP @ 120V	I, W, G, A

Dual-Relay Decora® Wall Switch Infrared Occupancy Sensor

DESCRIPTION	CAT. NO.	PHOTOCELL CONTROL OPTIONS PER RELAY	RATING	COLOR
Dual-Relay Decora Wall Switch Infrared Occupancy Sensor	ODS0D-ID (formerly 6772)	Default Setting: Conference Room Mode Both Primary.and Secondary Relays respond to Ambient Light Override. Alternate Setting: Classroom Mode Primary Relay only responds to Ambient Light Override.	Primary Relay: Fluorescent: 1200VA @ 120V, 2700VA @ 277V Incandescent: 800W @ 120V. Secondary Relay: Fluorescent: 800VA @ 120V, 1200VA 277V. Incandescent: 800W @ 120V	I, W, G, A

GENERAL PURPOSE GRADE

Motion-Activated Wall Switch Lighting Control

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-Pole & 3-Way 180° Motion Activated Light Control (PIR)	6800	Incandescent: 500W, Fluorescent: 500VA @ 120V AC, 60 Hz. Motor: 1/6 HP, 120V AC	I, W, A

Decora® Infrared Wall Switch Occupancy Sensors

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-Pole Motion Activated Light Control, 150° Field-of-View	6791	Incandescent: 500W Fluorescent: 400VA @ 120V AC	I, W
3-Way Motion Activated Light Control, 150° Field-of-View	6793	Incandescent: 500W Fluorescent: 400VA @ 120V AC	I, W
Single-Pole Motion Activated Light Control, 110° Field-of-View	6780	Incandescent: 300W @ 120V AC	I, W

All devices are UL Listed and CSA Certified.

- 180° field of view
- Fits in standard wallbox; gangable
- Delayed-off time setting (30 seconds – 30 minutes)
- Elegant Decora styling; uses Decora wallplate

TESTING & CODE COMPLIANCE

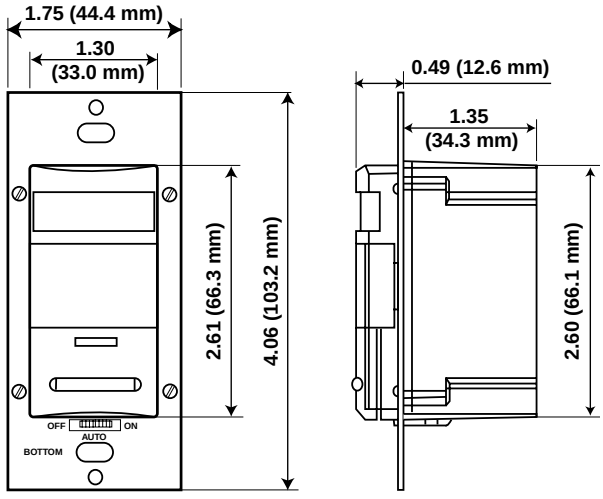
- UL Listed (File #E-118904)
- Cat. No. ODS0D-ID is CUL/US Certified
- CSA Certified (File #LR-91148M)
- NOM Certified (#057)
- Conforms to California Title 24 Energy Code
- Backed by a Limited Five-Year Warranty

COLOR

Colors available as listed, add suffix to catalog number as follows: Ivory (-I), White (-W), Gray (-G), Almond (-A).

MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 50°C
Storage Temperature: -10°C to 85°C
Relative Humidity: 20% to 90% non-condensing



Cat. No. ODS15-ID

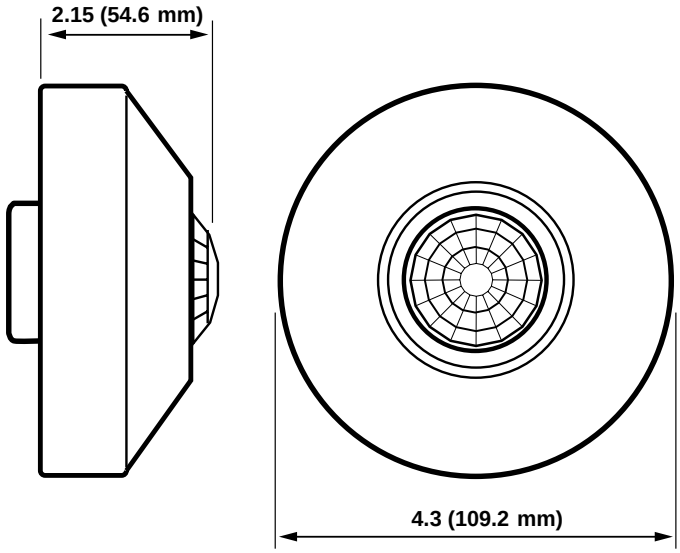
Self-Contained Ceiling-Mount Occupancy Sensor

PIR Occupancy Sensor with built-in relay—Separate Power Pack not required

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay	ODC0S-I1W (formerly 16786-120)	Incandescent: 1000W @ 120V. Fluorescent: 1000VA @ 120V. For 60Hz AC only	360°, 530 sq. ft	White
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay	ODC0S-I2W	Incandescent: 1000W @ 220V. Fluorescent: 500VA @ 220V. For 50Hz AC only	360°, 530 sq. ft	White
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay	ODC0S-I7W (formerly 16786-277)	Fluorescent: 2700VA @ 277V. For 60Hz AC only	360°, 530 sq. ft	White
Protective Cage	ODCCG	———	———	White

All devices are UL Listed and CSA Certified.

ODC0S-I1W



Cat. No. ODC0S-I1W

SPECIFICATIONS & FEATURES

- Ideal for use in storage areas, small bathrooms, copy rooms and a variety of small spaces without wall switches
- Full 360° view of a 530 sq. ft. area when surface mounted on standard, 8-foot ceiling
- Sensor and switching relay combined in a single self-contained unit—No control unit required
- Ambient light override option prevents lights from turning ON when there is ample natural light
- Adjustable Delayed-OFF time settings from 20 seconds (for test mode) to 15 minutes
- Small, unobtrusive self-contained unit: 4.3" (109.2 mm) diameter

TESTING & CODE COMPLIANCE

- UL Listed
- CSA Certified

Occupancy Sensor Lighting Controls

ODC20-M0W

Multi-Technology Ceiling-Mount Occupancy Sensor ***(For use with Leviton Power Pack)**** *Advanced motion sensors combine infrared and ultrasonic technology for highly accurate monitoring without false triggering. All-digital self-adjusting technology provides "Install and Forget" solution for automatic lighting control*

DESCRIPTION	CAT. NO.	COVERAGE	OPERATING FREQUENCY	COLOR
Multi-Tech Ceiling-Mount Occupancy Sensor	ODC05-M0W	180°, 500 sq. ft	40kHz	White
Multi-Tech Ceiling-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODC05-MRW	180°, 500 sq. ft	40kHz	White
Multi-Tech Ceiling-Mount Occupancy Sensor	ODC10-M0W	180°, 1000 sq. ft	32kHz	White
Multi-Tech Ceiling-Mount Occupancy Sensor with Ambient Light Override andSecondary Relay	ODC10-MRW	180°,1000 sq. ft	32kHz	White
Multi-Tech Ceiling-Mount Occupancy Sensor	ODC20-M0W	360°, 2000 sq. ft	32kHz	White
Multi-Tech Ceiling-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODC20-MRW	360°, 2000 sq. ft	32kHz	White
Hard-Ceiling Raceway Adapter Kit	ODCRA-000	———	———	White
Protective Cage for Ceiling-Mount Occupancy Sensors	ODCCG-000	———	———	White

*Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. ODP13 Power Pack (purchased separately). See page P10 for Power Pack information.

All devices are CUL/US Certified.

SPECIFICATIONS & FEATURES

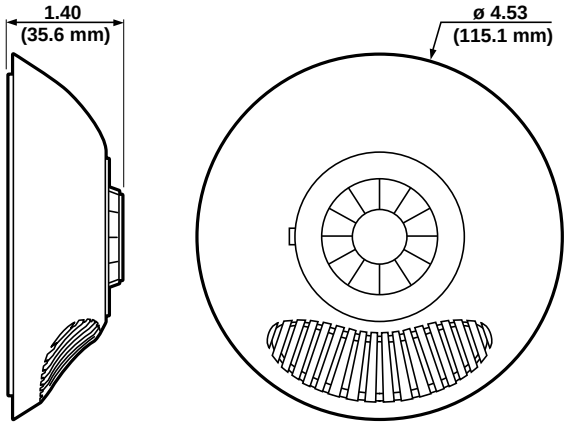
- Ideal for office areas with cubicles, general work space, warehouse and storage facilities, cafeterias and public areas in commercial facilities
- Ultrasonic sensing for maximum sensitivity combined with Passive Infrared (PIR) sensing to prevent false triggering from air conditioning and corridor activity
- Self-adjusting settings continuously analyze and adjust infrared sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Automatic dual-mode operation adjusts to either economy or high-sensitivity mode based on actual occupancy patterns for maximum energy savings
- Built-in Circadian Calendar—Provides 4-week learning period where the sensor monitors occupancy to establish trends that serve as the basis for automatic operation. During peak occupancy periods the sensor remains in high-sensitivity mode and during low occupancy periods it switches to economy mode.
- Manual Delayed-OFF time settings of 8, 16, and 32 minutes, with 8-second test mode
- Self-Adjusting Delayed-OFF time interval settings for 8 to 100 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Choice of coverage patterns to suits a variety of applications
- Small, unobtrusive size (4.5" diameter) blends in with any décor
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post
- Hard-Ceiling Raceway Adapter Kit (optional) provides complete solution for mounting occupancy sensors to hard ceilings. Two-piece kit contains Adapter Base and "rotate and lock" Adapter Plate for attaching Sensor. Compatible with most standard surface-mounting raceways; also suitable for mounting Sensors to standard octagonal J box

Optional Performance Features
(Models with -MRW suffix)

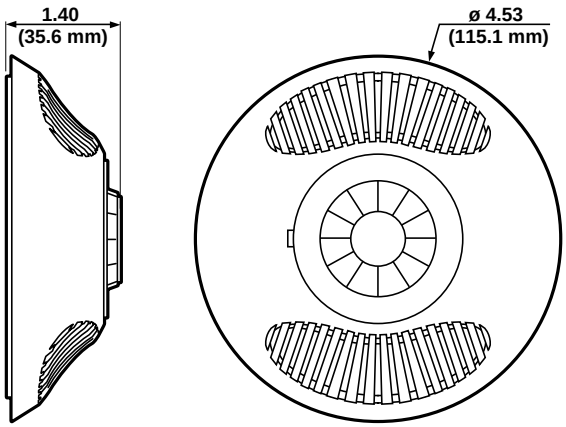
- Ambient light override option prevents lights from turning ON when there is ample natural light
- Secondary Relay — Single-Pole Double-Throw (SPDT), rated 500 mA @ 24V AC/DC, three-wire isolated relay
- Secondary Relay can be used to send control signals to HVAC systems based on occupancy detection

TESTING & CODE COMPLIANCE

- CUL/US Certified



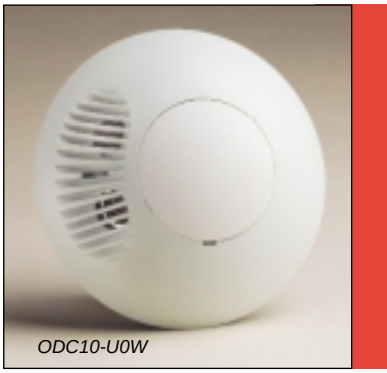
Cat. Nos. ODC050-M, ODC10-M



Cat. No. ODC20-M

Ultrasonic Ceiling-Mount Occupancy Sensor ***(For use with Leviton Power Pack)****

Advanced Ultrasonic sensing technology for highly accurate monitoring with excellent immunity to air currents and other interference . All-digital self-adjusting technology provides "Install and Forget" solution for automatic lighting control.

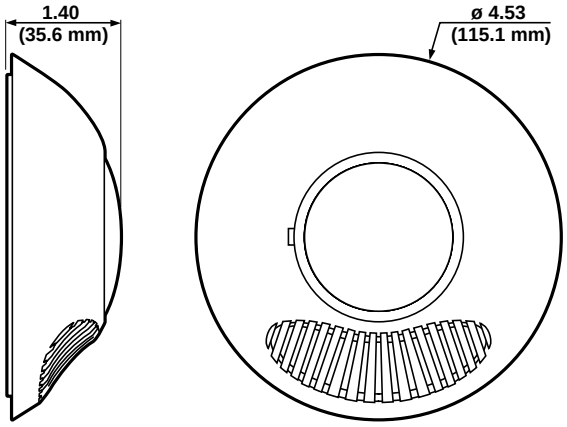


ODC10-U0W

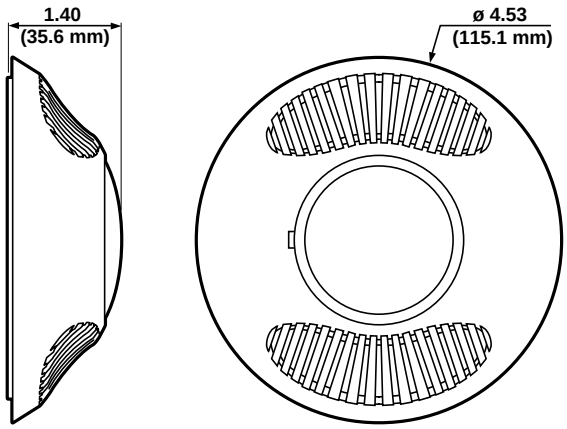
DESCRIPTION	CAT. NO.	COVERAGE	OPERATING FREQUENCY	COLOR
Ultrasonic Ceiling-Mount Occupancy Sensor	ODC05-U0W	180°, 500 sq. ft	40kHz	White
Ultrasonic Ceiling-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODC05-URW	180°, 500 sq. ft	40kHz	White
Ultrasonic Ceiling-Mount Occupancy Sensor	ODC10-U0W	180°, 1000 sq. ft	32kHz	White
Ultrasonic Ceiling-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODC10-URW	180°, 1000 sq. ft	32kHz	White
Ultrasonic Ceiling-Mount Occupancy Sensor	ODC20-U0W	360°, 2000 sq. ft	32kHz	White
Ultrasonic Ceiling-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODC20-URW	360°, 2000 sq. ft	32kHz	White
Hard-Ceiling Raceway Adapter Kit	ODCRA-000	———	———	White
Protective Cage for Ceiling-Mount Occupancy Sensors	ODCCG-000	———	———	White

*Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. ODP13 Power Pack (purchased separately). See page P10 for Power Pack information.

All devices are CUL/US Certified.



Cat. Nos. ODC05-U, ODC010-U



Cat. No. ODC20-U

SPECIFICATIONS & FEATURES

- Ideal for restrooms, office areas with cubicles, general work space, warehouse and storage facilities, cafeterias and public areas in commercial facilities
- Ultrasonic sensing for maximum range and sensitivity combined with high immunity to false triggering from air currents and other interference
- Self-adjusting settings continuously analyze and adjust sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Automatic dual-mode operation adjusts to either economy or high-sensitivity mode based on actual occupancy patterns for maximum energy savings
- Built-in Circadian Calendar—Provides 4-week learning period where the sensor monitors occupancy to establish trends that serve as the basis for automatic operation. During peak occupancy periods the sensor remains in high-sensitivity mode and during low occupancy periods it switches to economy mode.
- Manual Delayed-OFF time settings of 8, 16, and 32 minutes, with 8-second test mode
- Self-Adjusting Delayed-OFF time interval settings for 8 to 100 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Choice of coverage patterns to suits a variety of applications
- Small, unobtrusive size (4.5" diameter) blends in with any décor
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post
- Hard-Ceiling Raceway Adapter Kit (optional) provides complete solution for mounting occupancy sensors to hard ceil "rotate and lock" Adapter Plate for attaching Sensor. Compatible with most standard surface-mounting raceways; also suitable for mounting Sensors to standard octagonal J box

Optional Performance Features
(Models with -URW suffix)

- Ambient light override option prevents lights from turning ON when there is ample natural light
- Secondary Relay — Single-Pole Double-Throw (SPDT), rated 500 mA @ 24V AC/DC, three-wire isolated relay
- Secondary Relay can be used to send control signals to HVAC systems based on occupancy detection

TESTING & CODE COMPLIANCE

- CUL/US Certified

ODC04-10W

Infrared Ceiling-Mount Occupancy Sensor

(For use with Leviton Power Pack)* *Advanced Passive Infrared technology for highly accurate monitoring in a variety of commercial applications. All-digital self-adjusting technology provides "Install and Forget" solution for automatic lighting control.*

DESCRIPTION	CAT. NO.	COVERAGE	COLOR
Infrared Ceiling-Mount Occupancy Sensor	ODC04-I0W	360°, 450 sq. ft	White
Infrared Ceiling-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODC04-IRW	360°, 450 sq. ft	White
Hard-Ceiling Raceway Adapter Kit	ODCRA-000	———	White
Protective Cage for Ceiling-Mount Occupancy Sensors	ODCCG-000	———	White

*Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. ODP13 Power Pack (purchased separately). See page P10 for Power Pack information.

All devices are CUL/US Certified.

SPECIFICATIONS & FEATURES

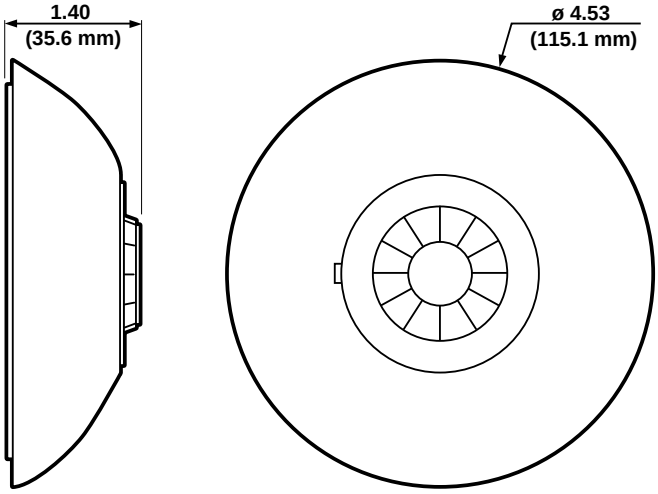
- Ideal for use in small offices, general work areas, closets, restrooms, and other small areas in commercial facilities
- Self-adjusting settings continuously analyze and adjust infrared sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Automatic dual-mode operation adjusts to either economy or high-sensitivity mode based on actual occupancy patterns for maximum energy savings
- Built-in Circadian Calendar—Provides 4-week learning period where the sensor monitors occupancy to establish trends that serve as the basis for automatic operation. During peak occupancy periods the sensor remains in high-sensitivity mode and during low occupancy periods it switches to economy mode.
- Manual Delayed-OFF time settings of 8, 16, and 32 minutes, with 8-second test mode
- Self-Adjusting Delayed-OFF time interval settings for 8 to 100 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Small, unobtrusive size (4.5" diameter) blends in with any décor
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post
- Hard-Ceiling Raceway Adapter Kit (optional) provides complete solution for mounting occupancy sensors to hard ceilings. Two-piece kit contains Adapter Base and "rotate and lock" Adapter Plate for attaching Sensor. Compatible with most standard surface-mounting raceways; also suitable for mounting Sensors to standard octagonal J box

Optional Performance Features
(Models with -IRW suffix)

- Ambient light override option prevents lights from turning ON when there is ample natural light
- Secondary Relay — Single-Pole Double-Throw (SPDT), rated 500 mA @ 24V AC/DC, three-wire isolated relay
- Secondary Relay can be used to send control signals to HVAC systems based on occupancy detection

TESTING & CODE COMPLIANCE

- CUL/US Certified



Cat. No. ODC04-I

Multi-Technology Wall-Mount Occupancy Sensor ***(For use with Leviton Power Pack)****

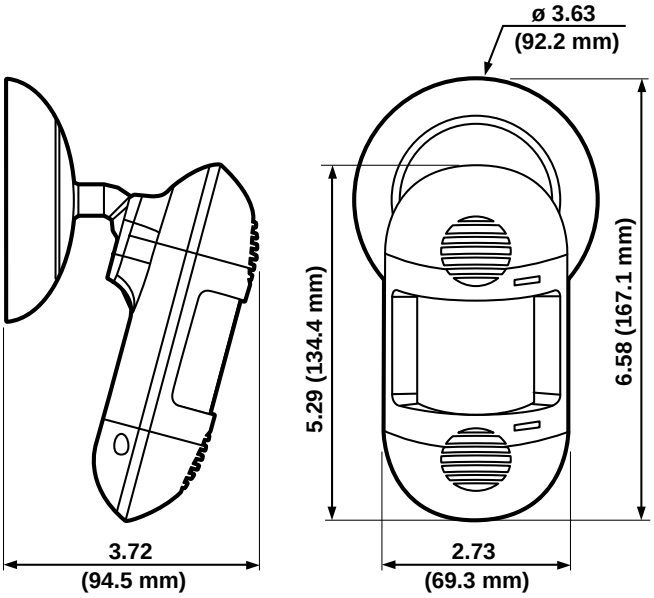
Advanced motion sensors combine infrared and ultrasonic technology for highly accurate monitoring without false triggering. All-digital self-adjusting technology provides "Install and Forget" solution for automatic lighting control

DESCRIPTION	CAT. NO.	COVERAGE	OPERATING FREQUENCY	COLOR
Multi-Tech Wall-Mount Occupancy Sensor	ODW12-M0W	110°, 1200 sq. ft	32kHz	White
Multi-Tech Wall-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODW12-MRW	110°, 1200 sq. ft	32kHz	White

*Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. ODP13 Power Pack (purchased separately). See page P10 for Power Pack information.

All devices are CUL/US Certified.

ODW12-M0W



Cat. No. ODW12-M

SPECIFICATIONS & FEATURES

- Ideal for conference rooms, stairwells, high-ceiling rooms, open areas, storage rooms and classrooms. Also ideal for corner mounting in a variety of applications.
- Ultrasonic sensing for maximum sensitivity combined with Passive Infrared (PIR) sensing to prevent false triggering from air conditioning and corridor activity
- Adjustable swivel neck rotates 80° vertically and 60° horizontally— Can be used for ceiling or wall mounting
- Self-adjusting settings continuously analyze and adjust infrared sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Automatic dual-mode operation adjusts to either economy or high-sensitivity mode based on actual occupancy patterns for maximum energy savings
- Built-in Circadian Calendar—Provides 4-week learning period where the sensor monitors occupancy to establish trends that serve as the basis for automatic operation. During peak occupancy periods the sensor remains in high-sensitivity mode and during low occupancy periods it switches to economy mode.
- Manual Delayed-OFF time settings of 4, 8, 16, and 32 minutes, with 8-second test mode
- Self-Adjusting Delayed-OFF time interval settings for 4 to 100 minutes—Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post

Optional Performance Features
(Models with -MRW suffix)

- Ambient light override option prevents lights from turning ON when there is ample natural light
- Secondary Relay—Single-Pole Double-Throw (SPDT), rated 500 mA @ 24V AC/DC, three-wire isolated relay
- Secondary Relay can be used to send control signals to HVAC systems based on occupancy detection

TESTING & CODE COMPLIANCE

- CUL/US Certified

ODWWV-I0W, ODWHB-I0W

Infrared Wide-View and High-Bay Wall Mount Occupancy Sensors

(For use with Leviton Power Pack)* *Advanced Passive Infrared technology for highly accurate monitoring in a variety of commercial applications. All-digital self-adjusting technology provides "Install and Forget" solution for automatic lighting control.*

Wide-View

DESCRIPTION	CAT. NO.	COVERAGE	COLOR
Infrared Wide-View Wall-Mount Occupancy Sensor	ODWWV-I0W	110°, 2500 sq. ft	White
Infrared Wide-View Wall-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODWWV-IRW	110°, 2500 sq. ft	White

High-Bay

DESCRIPTION	CAT. NO.	COVERAGE	COLOR
Infrared High-Bay Wall-Mount Occupancy Sensor	ODWHB-I0W	120 ft, 14 ft wide @ 30 ft height	White
Infrared High-Bay Wall-Mount Occupancy Sensor with Ambient Light Override and Secondary Relay	ODWHB-IRW	120 ft, 14 ft wide @ 30 ft height	White

*Low-voltage wiring is used to connect Leviton Occupancy Sensors to Cat. No. ODP13 Power Pack (purchased separately). See page P10 for Power Pack information.

All devices are CUL/US Certified.

SPECIFICATIONS & FEATURES

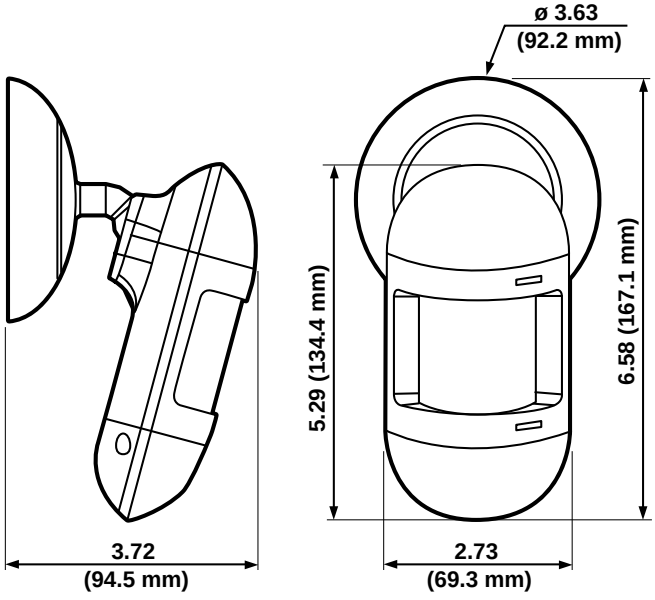
- ODWWV-I: Ideal for conference rooms, stair-wells, high-ceiling rooms, large open areas, parking garages, storage rooms and rooms with pendant fixtures. Also ideal for corner mounting in a variety of applications.
- ODWHB-I: Ideal for monitoring long, narrow spaces such as warehouse aisles, hallways, stairways, any narrow room, closets and storage areas. Also ideal for corner mounting in a variety of applications.
- Self-adjusting settings continuously analyze and adjust infrared sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Adjustable swivel neck rotates 80° vertically and 60° horizontally—Can be used for ceiling or wall mounting
- Self-adjusting settings continuously analyze and adjust infrared sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Automatic dual-mode operation adjusts to either economy or high-sensitivity mode based on actual occupancy patterns for maximum energy savings
- Built-in Circadian Calendar—Provides 4-week learning period where the sensor monitors occupancy to establish trends that serve as the basis for automatic operation. During peak occupancy periods the sensor remains in high-sensitivity mode and during low occupancy periods it switches to economy mode.
- Manual Delayed-OFF time settings of 4, 8, 16, and 32 minutes, with 8-second test mode
- Self-Adjusting Delayed-OFF time interval settings for 4 to 100 minutes — Compensates for real-time occupancy patterns, preventing unnecessary ON/OFF switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post

Optional Performance Features
(Models with -IRW suffix)

- Ambient light override option prevents lights from turning ON when there is ample natural light
- Secondary Relay—Single-Pole Double-Throw (SPDT), rated 500 mA @ 24V AC/DC, three-wire isolated relay
- Secondary Relay can be used to send control signals to HVAC systems based on occupancy detection

TESTING & CODE COMPLIANCE

- CUL/US Certified



Cat. Nos. ODWWV-I, ODWHB-I

Power Packs for Occupancy Sensors ***(For use with Leviton Occupancy Sensors listed on pages P5–P9)****

Leviton Power Pack units contain both a 24V DC power supply for Occupancy Sensors and a 13 Amp relay for switching incandescent or ballast lighting loads. Add-A-Relay units can be used to expand the control capability. Compact, lightweight Power Pack and Add-A-Relay Units are easily mounted in a junction box knock-out hole.

DESCRIPTION	CAT. NO.	POWER INPUT	RELAY RATING	CONTROL INPUT	POWER SUPPLY OUTPUT
Power Pack, 120V	ODP13-010	120V AC 60Hz	13 Amps	5mA, 24V DC	100mA, 24V DC
Power Pack, 230V	ODP13-020	230V AC 50 & 60Hz	13 Amps	5mA, 24V DC	100mA, 24V DC
Power Pack, 277V	ODP13-070	277V AC 60Hz	13 Amps	5mA, 24V DC	100mA, 24V DC
Power Pack, 347V	ODP13-030	347V AC 60Hz	13 Amps	5mA, 24V DC	100mA, 24V DC
Add-A-Relay Unit	ODA13-000	———	13 Amps	5mA, 24V DC	———

All devices are CUL/US Certified.

ODP13

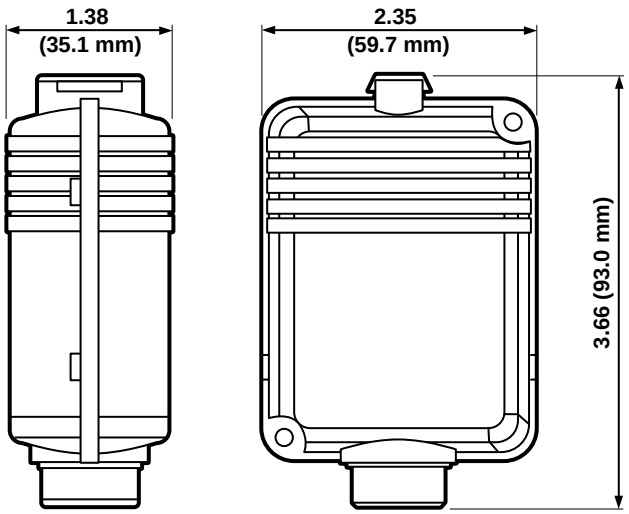
Power Pack Adapter

DESCRIPTION	CAT. NO.
Low-Voltage Nipple Adapter with 1/2" Lock Nut for Power Pack and Add-A-Relay units	ODPNA

Power Pack Capacity Guide

One Leviton Power Pack will supply power for a combination of up to 3 devices: 3 sensors (Multi-Tech, PIR or Ultrasonic), 2 sensors and 1 Add-A Relay, 1 sensor and 2 Add-A-Relays, or any combination listed in the chart below.

Number of Occupancy Sensors Permitted to be Wired to Power Pack	Number of Add-A-Relays Permitted to be Wired to Power Pack
1	**0**
2	**0**
3	**0**
1	**1**
2	**1**



Cat. No. ODP13, ODA13

SPECIFICATIONS & FEATURES

Power Pack

- For use with the following Leviton Occupancy Sensors: ODC20-M, ODC10-M, ODC05-M, ODC20-U, ODC10-U, ODC05-U, ODC04-I, ODW12-M, ODWWV-I and ODWHB-I
- Self-contained power supply for occupancy sensors and switching relay for lighting loads
- Provides 24V DC 100 mA nominal, full-wave rectified and filtered power for occupancy sensors and Add-A-Relay units (see Power Pack Capacity Guide)
- Available in 120VAC, 230VAC, 277VAC and 347VAC versions with relay contacts rated for 13 amps incandescent or lighting ballast loads
- Compact size and light weight (15-oz.) allows easy mounting through knockout in junction box (from either inside or inside the box) with a simple twist-on nut

Add-A-Relay

- Expands Power Pack load capacity by functioning as a supplementary relay
- Provides ability to switch loads in different voltage systems (For example, switching 120V incandescent loads in a 277V fluorescent system and vice versa)
- Compatible with electronic ballasts
- Same compact size and mounting features as Power Pack

Nipple Adapter

- Simplifies the connection of any OD-series Occupancy Sensor to the low-voltage side of a Power Pack mounted inside a fluorescent ballast cavity
- 1/2" conduit lock nut included

TESTING & CODE COMPLIANCE

- Power Pack Units are CUL/US Certified

COLOR

Power Pack and Add-A-Relay devices are black.

PS2000

Outdoor Motion Sensors

Passive Infrared (PIR) outdoor motion sensor provide outstanding value in security lighting, convenience, safety and energy savings for a wide range of commercial and residential applications.

COMMERCIAL SPECIFICATION GRADE

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR
Professional Series Outdoor PIR Motion Sensor	PS200-10	Incandescent: 1000W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	200°	W, B
Professional Series Outdoor PIR Motion Sensor with Dual Floodlights	PS200-1F	Incandescent: 1000W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	200°	W, B
Professional Series Outdoor PIR Motion Sensor	PS110-10	Incandescent: 1000W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	110°	W, B
Professional Series Outdoor PIR Motion Sensor with Dual Floodlights	PS110-1F	Incandescent: 1000W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	110°	W, B

RESI RESIDENTIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR
Residential Series Outdoor PIR Motion Sensor	RS110-10	Incandescent: 500W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	110°	W, B
Residential Series Outdoor PIR Motion Sensor with Dual Floodlights	RS110-1F	Incandescent: 500W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only.	110°	W, B
Residential Series Outdoor PIR Motion Sensor with Dual Floodlights	RS110-2FW	Incandescent: 500W @ 220V. Fluorescent/Inductive: 500VA @ 220V. For 50Hz AC only.	110°	W only

All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES

Professional Series

- Ideal for a wide range of commercial/industrial settings including parking areas, storage facilities, warehouses, loading docks, marina, garages, walkways, campus grounds, meat lockers, walk-in refrigerators/freezers and outbuildings
- Adjustable Delayed-OFF time settings from 20 seconds (for test mode) to 15 minutes
- Adjustable sensitivity and immunity to RFI signals reduces false triggers
- Ambient light override prevents lights from turning ON when there is ample natural light
- Provides Automatic, Test and Continuous Modes—Test mode simulates automatic operation with short delayed-OFF time for ease of making adjustments. Continuos mode enables manual override for constant “lights ON” operation (when used with standard ON/OFF switch)
- Surge suppression minimizes likelihood of damage due to electrical surges
- Temperature compensation feature ensures uniform performance in extreme hot or cold weather and during temperature fluctuations
- Sensor neck adjustment allows accurate area monitoring: 110° vertical, 180° horizontal, 110° rotational

Residential Series

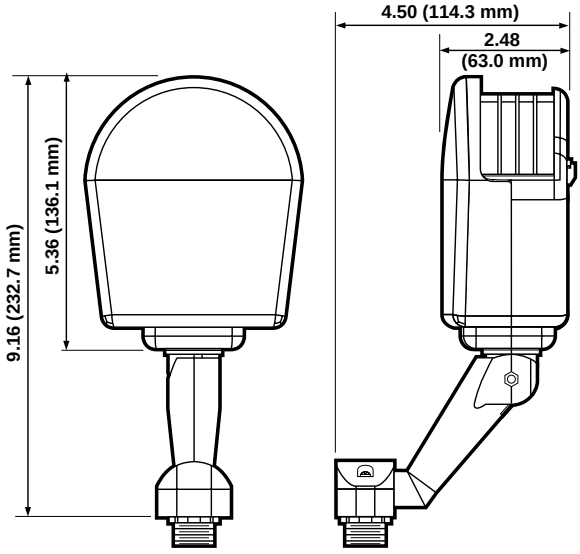
- Ideal for a wide range of residential settings including backyards, garages, entranceways, porches, swimming pool areas, doorways and private docks
- Sensor neck adjustment allows accurate area monitoring: 110° vertical, 180° horizontal, 110° rotational
- Adjustable Delayed-OFF time settings from 20 seconds (for test mode) to 15 minutes
- Adjustable sensitivity reduces false triggers
- Provides Automatic, Test and Continuous Modes—Test mode simulates automatic operation with short delayed-OFF time for ease of making adjustments. Continuos mode enables manual override for constant “lights ON” operation (when used with standard ON/OFF switch)

TESTING & CODE COMPLIANCE

- UL Listed
- CSA Certified

COLOR

Colors available as listed. For color selections, add suffix to catalog numbers as follows: White (-W) and Brown (-B).



Cat. No. PS2000

Wire Mesh Safety Grips

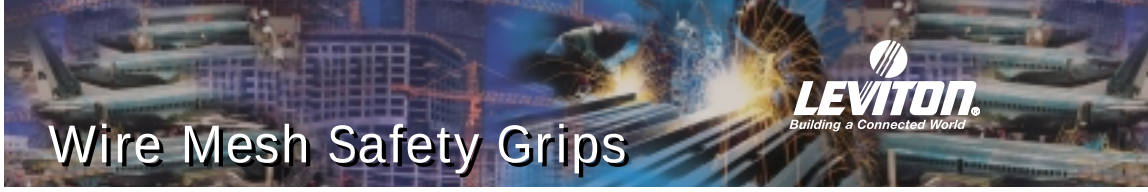
Leviton Wire Mesh Safety Grips are built tough to provide the strength, reliability and gripping force required for today's demanding wire management applications. They are designed to distribute stress over a large area so they can securely hold, pull or support the wire, rope, tubing or fiber optic cable to which they are applied.

Leviton Wire Mesh Safety Grip products offer a wide selection of style, weave, attachment and wire options designed to meet the highest standards for strength, flexibility, durability and longevity.

WIRE MESH SAFETY GRIPS

Overview _____ **Q1**
Technical Reference _____ **Q2**
Selecting Pulling and Support Grips __ **Q3-Q5**
Pulling Grips _____ **Q6-Q13**
Strain-Relief Grips _____ **Q14-Q17**
Support Grips _____ **Q18-Q25**

SECTION Q



Wire Mesh Safety Grips

Leviton Wire Mesh Safety Grips are flexible holding devices used to pull cable, rope, or tubing into place; to support it after it has been installed, to prevent cable pullout; or to provide strain-relief that reduces the arc of bend at points of wire connections or terminations.

1. Pulling Grips

Pulling Grips are reusable tools for pulling insulated conductors or bare wires, cable, nylon and wire rope, fiber optic cable etc. Both flexible eye and rotating eye attachments are available.

2. Strain-Relief Grips

Strain-Relief Grips are used to connect cable or flexible conduit to electrical enclosures and equipment.This prevents pullout and bending due to tension at the inner conductors at the point of termination.

3. Support Grips

Support Grips distribute the weight of the vertical or sloping runs of electrical and fiber optic cable, metal rods, tubing or hose over the entire length of the grip so that the cable is not subject to damage. A variety of hangers and bales are available. These grips are also available in stainless steel for additional corrosion-resistance. Consult factory for availabilty.

Agency Approvals

UL Listings and CSA Certifications are indicated on the appropriate product catalog pages. File numbers, are listed below.

AGENCY	CONTROL NUMBER	FILE NUMBER
Underwriters Laboratories, Inc.	965U 16G5	E-173944 E-176347
Canadian Standards Association	———	LR-702185

Standards

Leviton Wire Mesh Safety Grips meet the following standards:

NEC 300-19—Supporting cables in vertical raceways.

NEC 351-2—Liquid-tight flexible metal conduit installations.

NEC 400-7—Flexible cord installations.

NEC 400-10—Strain-relief at joints and terminals.

JIC H 13.11—Prevention of flexible hose failure.

Technical Reference

Hazardous Locations

The following product categories are suitable for use in hazardous locations per Class I, Div. 2; Class II, Div. 1 & 2; and Class III, Div. 1 & 2 requirements.

PRODUCT CATEGORY	TYPE
Deluxe Cord Grips	Aluminum fitting Nylon fitting Non-metallic

Flammability

Non-metallic Deluxe Cord Grips will not support combustion. The ratings are listed below.

COMPONENT	RATING
Wire Mesh Grip	94HB[1]
Fitting	94V[2]

[1]A test method used by U.L. to determine a rate of burning and/or extent and time of burning of self-supporting plastics in a horizontal position (ASTM D 635-88, IEC 707-1981, ISO/DIS 1210.2).

[2]A test method used by UL. for measuring the comparative extinguishing characteristics of solid plastics in a vertical position (IEC 707-1981, ISO/DIS 1210.2).

Wet Locations

The strain-relief grips listed below are suitable for use in wet locations so long as a listed sealing ring is used between the box and the fitting.

PRODUCT CATEGORY	TYPE
Deluxe Cord Grip	Aluminum fitting Nylon fitting Non-metallic

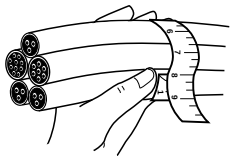
Types of Wire Mesh Safety Grips

PRODUCT GROUP	DESCRIPTION	MATERIAL
Pulling Grips	PJ Junior Duty	Galvanized steel wire
	PL Light Duty	Galvanized steel wire
	PM Medium Duty	Galvanized steel wire
	P Heavy Duty	Galvanized steel wire
	PS Heavy Duty swivel	Galvanized steel wire
	PR-MS Multi-Weave, Rotating Eye	Galvanized steel wire
	PF-MS Multi-Weave, Flexible Eye	Galvanized steel wire
	PHS High Strength	Galvanized steel wire
	SCK Slack, Offset Eye	Galvanized steel wire
	SSK Slack, Offset Eye	Galvanized steel wire
	SRK Slack, Offset Eye	Galvanized steel wire
Strain-Relief Grips	Connection Wire	Galvanized steel
	Wide Range (with Gasket)	Galvanized steel wire
	Deluxe Cord Grips	Stainless steel wire
	Liquid-Tight (metallic cond.)	Stainless steel wire
	Liquid-tight (Non-Metallic Cond.)	Stainless steel wire
	Nylon Cord Sealing Grips with Mesh	Nylon
Support Grips	Support Closed	Tinned bronze or stainless steel[1]
	Support Split with Lace	Tinned bronze or stainless steel[1]
	Support Split with Rod	Tinned bronze or stainless steel[1]
	Support Closed, Heavy Duty, Long	Tinned bronze or stainless steel[1]
	Support Split Lace, Heavy Duty, Long	Tinned bronze or stainless steel[1]
	Bus Drop Grips	Galvanized steel wire
	Safety Springs	Spring steel

[1]Stainless steel available on request. Contact your Leviton Representative.

Selecting Proper Sized Pulling and Support Grips

How to Select Proper Grip Size



Example: For five cables bundled together, each with a diameter of 0.42":

1) Locate “5 Cables” column.
2) Read down column to range (0.38"-0.48").
3) Read across line to Grip Diameter Range (1.00-1.25).

Grip size is based on the outside diameter or circumference of the cable(s). Use Selection Table 1 to determine the Grip Diameter Range for one or more cables of equal diameter. Use Selection Table 2 to determine the Grip Diameter Range for cables of different diameters bundled together. (Note: In this case, the bundle must be measured.) For your convenience, the Reference Tables provide approximate values for flexible cord and AWG or MCM wire.

Grip Selection Table for One or More Cables of Equal Diameter

1) Read across top line for number of cables in one grip.
2) Read down for diameter of each cable.
3) Read across line to Grip Diameter Range column

Table 1

Decimal and Fractional Inch Cable Diameters—for One or More Cables of Equal Diameter

1 CABLE		2 CABLES		3 CABLES		4 CABLES		GRIP DIAMETER RANGE
0.25–0.37	1/4–3/8	0.16–0.25	1/64–1/4	0.15–0.22	5/32–7/32	0.12–0.20	1/8–13/64	.250–.375
0.37–0.50	3/8–1/2	0.25–0.36	1/4–23/64	0.22–0.33	7/32–21/64	0.20–0.28	13/64–9/32	.375–0.50
0.50–0.62	1/2–5/8	0.27–0.36	17/64–23/64	0.26–0.33	17/64–21/64	0.24–0.28	15/64–9/32	0.50–0.75
0.62–0.75	5/8–3/4	0.36–0.45	23/64–29/64	0.33–0.36	21/64–23/64	0.28–0.31	9/32–5/16	0.62–0.75
0.75–1.00	3/4–1	0.45–0.60	29/64–39/64	0.36–0.49	23/64–31/64	0.31–0.42	5/16–27/64	0.75–1.00
1.00–1.25	1–1-1/4	0.60–0.76	39/64–49/64	0.49–0.63	31/64–5/8	0.42–0.54	27/64–35/64	1.00–1.25
1.25–1.50	1-1/4–1-1/2	0.76–0.91	49/64–29/32	0.63–0.76	5/8–49/64	0.54–0.65	35/64–21/32	1.25–1.50
1.50–1.75	1-1/2–1-3/4	0.91–1.08	29/32–1-5/64	0.76–0.89	49/64–57/64	0.65–0.77	21/32–49/64	1.50–1.75
1.75–2.00	1-3/4–2	1.08–1.23	1-5/64–1-15/64	0.89–1.02	57/64–1-1/64	0.77–0.88	49/64–7/8	1.75–2.00
2.00–2.50	2–2-1/2	1.23–1.54	1-15/64–1-35/64	1.02–1.28	1-1/64–1-9/32	0.88–1.00	7/8–1	2.00–2.50
2.50–3.00	2-1/2–3	1.54–1.84	1-35/64–1-27/32	1.28–1.53	1-9/32–1-17/32	1.10–1.32	1-3/32–1-21/64	2.50–3.00
3.00–3.50	3–3-1/2	1.84–2.15	1-27/32–2-5/32	1.53–1.79	1-17/32–1-51/64	1.32–1.54	1-21/64–1-35/64	3.00–3.50
3.50–4.00	3-1/2–4	2.15–2.45	2-5/32–2-29/64	1.79–2.05	1-51/64–2-3/64	1.54–1.76	1-35/64–1-49/64	3.50–4.00

Decimal and Fractional Inch Cable Diameters—for One or More Cables of Equal Diameter

5 CABLE		6 & 7 CABLES		8 CABLES		9 CABLES		GRIP DIAMETER RANGE
0.11–0.14	7/64–9/64	0.10–0.11	3/32–7/64	0.09–0.10	3/32–7/64	0.06–0.09	1/16–3/32	.250–.375
0.14–0.25	9/64–1/4	0.11–0.25	7/64–1/4	0.10–0.20	7/64–13/64	0.09–0.19	3/32–3/16	.375–0.50
0.21–0.25	7/32–1/4	0.19–0.22	3/16–7/32	0.17–0.20	11/64–13/64	0.15–0.19	5/32–3/16	0.50–0.75
0.25–0.29	1/4–19/64	0.22–0.26	7/32–17/64	0.20–0.23	13/64–15/64	0.19–0.22	3/16–7/32	0.62–0.75
0.29–0.38	19/64–3/8	0.26–0.34	17/64–11/32	0.23–0.31	15/64–5/16	0.22–0.31	7/32–5/16	0.75–1.00
0.38–0.48	3/8–31/64	0.34–0.43	11/32–7/16	0.31–0.39	5/16–25/64	0.29–0.36	19/64–23/64	1.00–1.25
0.48–0.58	31/64–37/64	0.43–0.52	7/16–33/64	0.39–0.46	25/64–15/32	0.36–0.43	23/64–7/16	1.25–1.50
0.58–0.67	37/64–43/64	0.52–0.60	33/64–39/64	0.46–0.54	15/32–35/64	0.43–0.49	7/16–31/64	1.50–1.75
0.67–0.77	43/64–49/64	0.60–0.69	39/64–11/16	0.54–0.62	35/64–5/8	0.49–0.57	31/64–37/64	1.75–2.00
0.77–0.96	49/64–31/32	0.69–0.86	11/16–55/64	0.62–0.77	5/8–49/64	0.57–0.72	37/64–23/32	2.00–2.50
0.96–1.16	31/32–1-5/32	0.86–1.03	55/64–1-1/32	0.77–0.93	49/64–15/16	0.72–0.86	23/32–55/64	2.50–3.00
1.16–1.35	1-5/32–1-23/64	1.03–1.20	1-1/32–1-13/64	0.93–1.08	15/16–1-5/64	0.86–1.00	55/64–1	3.00–3.50
1.35–1.54	1-23/64–1-35/64	1.20–1.37	1-13/64–1-3/8	1.08–1.24	1-5/64–1-15/64	1.00–1.14	1–1-9/64	3.50–4.00

Selecting Proper Sized Pulling and Support Grips

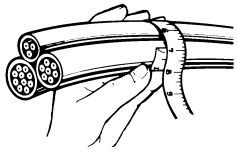
How to Select Proper Grip Size

Example:

For three different diameter cables bundled together with a measured circumference of 6.35",

1) Read down Inches (Decimal) column for 6.35" (6.29-7.86 in.).

2) Read across line to Grip Diameter Range (2.00-2.50).



Grip Selection Table for Cables of Different Diameters

Grip Circumference Range refers to the circumference of all cables held together.

1) 1. Determine Grip Circumference Range by measuring circumference of bundle of cables to be held (as shown in illustration).

2) Read down to locate correct range.

3) Read across line to Grip Diameter Range Column.

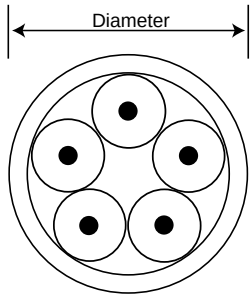
Table 2

Grip Circumference Range—for Cables of Different Diameter

INCHES (FRACTIONAL)	INCHES (DECIMAL)	GRIP DIAMETER RANGE
25/32–1 11/64	0.78–1.17	.250–.375
1 11/64–1 37/64	1.17–1.57	.375–0.50
1 37/64–1 15/16	1.57–1.94	0.50–.625
1 15/16–2 3/8	1.94–2.37	0.62–0.75
2 3/8–3 5/32	2.37–3.15	0.75–1.00
3 5/32–3 15/16	3.15–3.94	1.00–1.25
3 15/16–4 23/32	3.94–4.72	1.25–1.50
4 23/32–5 33/64	4.72–5.51	1.50–1.75
5 33/64–6 19/64	5.51–6.29	1.75–2.00
6 19/64–7 55/64	6.29–7.86	2.00–2.50
7 55/64–9 7/16	7.86–9.43	2.50–3.00
9 7/16–11 1/64	9.43–11.01	3.00–3.50
11 1/64–12 37/64	11.01–12.58	3.50–4.00

Reference Table Cord Diameters

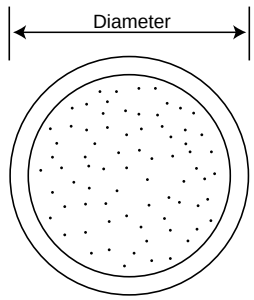
For your convenience, the following are nominal overall diameters (in inches) for flexible cord.



AT WIRE SIZE AND TYPE	CONDUCTORS 2	3	4	5
18 SO, STO	.36	.38	.41	.49
18 SJO, SJTO	.30	.32	.35	——
16 SO, STO	.39	.41	.44	.52
16 SJO, SJTO	.32	.34	.37	——
14 SO, STO	.52	.55	.59	.67
12 SO, STO	.60	.62	.68	.74
10 SO, STO	.65	.69	.74	.80
8 SO, STO	.83	.88	.99	1.08
6 SO, STO	.99	1.04	1.12	1.25

Reference Table AWG or MCM Diameters

This table is to be used as a guide only. Sizes may vary by manufacturer.



AWG OR MCM	APPROX. DIA. (INCHES) THHN	THW
14	.105	.162
12	.122	.179
10	.153	.199
8	.201	.259
6	.257	.323
4	.328	.372
3	.356	.401
2	.388	.433
1	.450	.508
1/0	.491	.549
2/0	.537	.595

AWG OR MCM	APPROX. DIA. (INCHES) THHN	THW
3/0	.588647	
4/0	.646	.705
250	.716	.788
300	.771	.843
350	.822	.895
400	.869	.942
500	.955	1.03
600	1.06	1.14
700	1.13	1.21
750	1.16	1.25
1000	1.32	1.40

Selecting Proper Sized Pulling and Support Grips

Strength Information

The approximate breaking strength of any Leviton Wire Mesh Safety Grip is based on working load information established by our engineering laboratories. In making these determinations, it is not possible to cover all applications and operating conditions. Variables such as diameter, gripping surface, number of items gripped, tension, movement, attachments, abrasion, corrosion, prior use and abuse must be assessed by the user. Greater safety factors should be utilized when the conditions of application are vague or unknown.

For specific applications where strength and holding power are important, consult Leviton's Technical Services Department. To determine the recommended working load safety factor for listed cable grips, divide the approximate breaking strength by 5 for pulling grips and by 10 for support grips. Leviton maintains a 6 Sigma Safety Factor for this recommended working load (using average break strengths obtained on new grips under lab test conditions).

Example: For pulling grips—33,000 ÷ 5 = 6,600 lbs. which is the workload factor.

Example: For support grips—10,080 ÷ 10 = 1,008 lbs. which is the workload factor.

All warranties concerning product quality or performance are based on wire mesh safety grips that are properly stored and handled by the user, and grips that are maintained and inspected at a proper frequency in keeping with their use and condition.

Grip Cable Range—Fraction–Decimal–Millimeter Conversion

INCHES (FRACTIONAL)	INCHES (DECIMAL)	METRIC (mm)
1/4–23/64	0.25–0.36	6.35–9.13
3/8–31/64	0.37–0.49	9.52–12.30
1/2–39/64	0.50–0.61	12.70–15.48
5/8–47/64	0.62–0.74	15.88–18.65
3/4–63/64	0.75–0.99	19.05–25.00
1–1 15/64	1.00–1.24	25.40–31.35
1 1/4–1 31/64	1.25–1.49	31.75–37.70
1 1/2–1 63/64	1.50–1.99	38.10–50.40
2–2 31/64	2.00–2.49	50.80–63.10
2-1/2–2 63/64	2.50–2.99	63.50–75.80
3–3 31/64	3.00–3.49	76.20–88.50
3 1/2–3 63/64	3.50–3.99	88.90–101.20

Pulling Grips

Leviton Pulling Grips are reusable tools for pulling bare conductors, insulated wires, synthetic rope, wire rope, and fiber optic cable. These grips do not damage the cable, as the tension remains uniform throughout the length of the grip. The mesh responds to fit either a single cable or a bundle of cables.

Leviton Pulling Grips may be used for pulling cable on overhead or underground applications, for stringing service or communication lines into factories, for pulling wire through conduit, and for underground electrical pulls.

Leviton Pulling Grips are woven in galvanized steel for greater strength and longer life. Leviton also offers Pulling Kits in the P, PJ, PL, PM, and PS Series. These kits come in a vinyl mat with pockets that can be rolled and tied.

Pulling Grip Eye Options

DESCRIPTION	SERIES	PAGE NO.	ATTACHMENT INFORMATION
Bale Eye—Medium Duty, Single/Double Weave	PM	Q8	**Bale Eye** Attachment flexes to follow line of pull with plastic tubing on bale.
Bale Eye—Medium and Heavy Duty, Single/Double Weave	P	Q9	

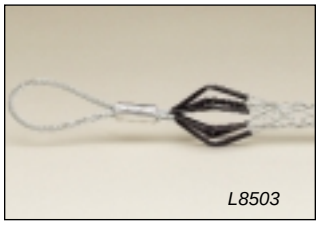
DESCRIPTION	SERIES	PAGE NO.	ATTACHMENT INFORMATION
Flexible Eye—Junior Duty, Single Weave	PJ	Q7	**Flexible Rope Eye** bale has no plastic tubing for better flexability.
Flexible Eye—Light Duty, Single Weave	PL	Q7	
Flexible Eye—for Fiber Optic, Multi-Weave	PF	Q8	
Flexible Eye—High Duty, Multi-Weave	PHS	Q12	

DESCRIPTION	SERIES	PAGE NO.	ATTACHMENT INFORMATION
Slack Grips, Closed Mesh, Double Weave	SCK	Q13	**Offset Flexible Eye** For easy attachment of the pulling line.
Slack Grips, Split Lace Mesh, Double Weave	SSK	Q13	
Slack Grips, Split Rod Mesh, Single Weave	SRK	Q13	

DESCRIPTION	SERIES	PAGE NO.	ATTACHMENT INFORMATION
Rotating Eye—Heavy Duty, Double Weave	PS	Q10	**Rotating Eye** For use in changing wire rope in large cranes and derricks.
Rotating Eye—Heavy Duty, Multi-Weave	PR	Q11	

Note: To determine workload safety factor, divide approximate break strength by 5.
See page Q5 for strength information

Wire Mesh Safety Grips



PJ Junior Duty Series Grips are indispensable tools for electricians with small job requirements. They are used to connect insulated wire bundles to pulling tape or to pull wire rope through conduit.

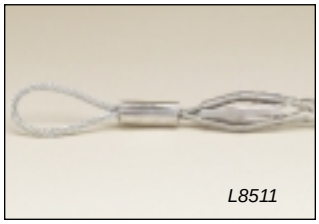
Pulling Grips—PJ Series S

Single Weave, Flexible Eye, Junior Duty

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROXIMATE BREAK STRENGTH*	MESH LENGTH (INCHES)
L8500	0.25–0.36	1,700	5
L8501	0.37–0.49	1,700	7
L8502	0.50–0.61	1,700	8
L8503	0.62–0.74	2,800	10
L8504	0.75–0.99	4,100	10
L8505	1.00–1.24	4,100	12

Single Weave, Flexible Eye, Junior Duty—KIt

KIT CAT. NO.	KIT INCLUDES ONE EACH OF CAT. NO.
L8510	**L8500**
	L8501
	L8502
	L8503
	L8504
	L8505



PL Light Duty Grips are the most economical pulling grips for many applications, such as industrial plant wiring, rewiring, and underground electrical pulls.

Pulling Grips—PL Series S

Single Weave, Flexible Rope Eye, Light Duty, Short

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROXIMATE BREAK STRENGTH*	MESH LENGTH (INCHES)
L8511	0.50–0.61	3,400	12
L8512	0.62–0.74	4,100	14
L8513	0.75–0.99	4,100	14
L8514	1.00–1.24	5,800	16.5
L8515	1.25–1.49	5,800	17
L8516	1.50–1.74	7,500	20
L8517	1.75–1.99	10,000	23
L8518	2.00–2.49	10,000	23
L8519	2.50–2.99	13,000	23

Single Weave, Flexible Rope Eye, Light Duty, Medium

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROXIMATE BREAK STRENGTH*	MESH LENGTH (INCHES)
L8523	0.50–0.61	3,400	16
L8524	0.62–0.74	4,100	16
L8525	0.75–0.99	4,100	20
L8526	1.00–1.24	7,500	20
L8527	1.25–1.49	7,500	22
L8528	1.50–1.99	7,500	25
L8529	2.00–2.49	10,000	26
L8530	2.50–2.9	13,000	28
L8531	3.00–3.49	16,200	30
L8532	3.50–3.99	19,400	32

Single Weave, Flexible Rope Eye, Light Duty, Medium—KIt

KIT CAT. NO.	KIT INCLUDES ONE EACH OF CAT. NO.
L8540	L8525
	L8526
	L8528
	L8529

*To determine workload safety factor, divide approximate break strength by 5. See page Q5 for strength information.

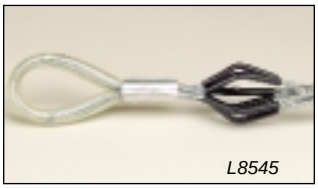
Pulling Grips—PM Series S

Single/Double Weave, Bale Eye, Medium Duty

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROXIMATE BREAK STRENGTH*	MESH LENGTH (INCHES)
L8541	0.37–0.49	2,500	12
L8542	0.50–0.74	3,400	14
L8543	0.75–0.99	5,500	18
L8544	1.00–1.24	8,100	22
L8545	1.25–1.49	8,100	24
L8546	1.50–1.99	8,100	26

Single/Double Weave, Bale Eye, Medium Duty—KIt

KIT CAT. NO.	KIT INCLUDES ONE EACH OF CAT. NO.
L8550	**L8541**
	L8542
	L8543
	L8544
	L8545
	L8546



Single/Double Weave Pulling Grips are ideal for longer pull applications.

Pulling Grips—Fiber Optic PF Series S

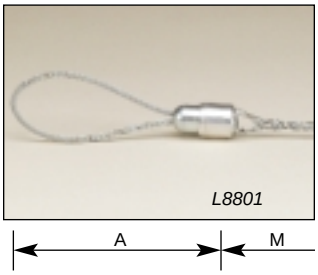
Fiber Optic Pulling Grips are used for installation of fiber optic communication lines. They easily install on cables and are reusable. Applications include underground, overhead, through-conduit and/or enclosure type pulls.

Leviton fiber optic pulling grips are two-in-one reusable grips: the same tool features both a flexible eye and a swivel eye. The rounded, flexible eye attaches easily to pulling lines, and allows smoother passage through tight spaces than needle-eye designs.

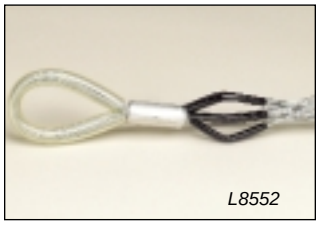
Flexible/Swivel Eye Fiber Optic Grips Multi Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	MESH (DIM. M)	NOSE DIA.
L8801	.10–.20	1,000	4.75	9	.8
L8802	.21–.35	1,500	4.75	14	.8
L8803	.35–.48	2,200	5.00	18	.9
L8804	.42–.61	2,800	5.00	21	.9
L8805	.53–.74	3,300	5.00	24	1.2
L8806	.64–.87	4,700	5.00	27	1.2

*To determine workload safety factor, divide approximate break strength by 5. See page Q5 for strength information.



Fiber Optic Grips are made to pull delicate communication and data lines that have a much smaller cable diameter.



Pulling Grips—P Series S

Leviton's *P Series* is recommended for heavy or rugged applications, and is ideally suited for overhead and underground installations. They are offered in short, standard or long mesh lengths.

Single/Double Weave, Bale Eye, Medium Duty, Short

CAT. NO.	CABLE DIA. RANGE (INCHES)	NOMINAL GRIP SIZE	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)	EYE SIZE (INCHES)
L8551	0.50–0.61	0.55	4,500	8	21	7/32
L8552	0.62–0.74	0.68	5,600	8	24	1/4
L8553	0.75–0.99	0.87	6,800	8	24	1/4
L8554	1.00–1.49	1.25	9,600	9	24	5/16
L8555	1.50–1.99	1.75	16,400	11	24	7/16
L8556	2.00–2.49	2.25	18,500	12	24	7/16
L8557	2.50–2.99	2.75	24,500	12	24	1/2
L8558	3.00–3.49	3.25	24,500	14	24	1/2
L8559	3.50–3.99	3.75	31,000	14	26	5/8

Single/Double Weave, Bale Eye, Medium Duty, Standard

CAT. NO.	CABLE DIA. RANGE (INCHES)	NOMINAL GRIP SIZE	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)	EYE SIZE (INCHES)
L8563	0.75–0.99	0.87	6,800	9	36	1/4
L8564	1.00–1.49	1.25	9,600	9	36	5/16
L8565	1.50–1.99	1.75	16,400	11	36	7/16
L8566	2.00–2.49	2.25	18,500	12	36	7/16
L8567	2.50–2.9	2.75	24,500	12	36	1/2
L8568	3.00–3.49	3.25	24,500	14	36	1/2
L8569	3.50–3.99	3.75	31,000	14	40	5/8

Single/Double Weave, Bale Eye, Medium Duty, Standard—KIt

KIT CAT. NO.	KIT INCLUDES ONE EACH OF CAT. NO.
L8560	L8563
	L8564
	L8565
	L8566

Single/Double Weave, Bale Eye, Heavy Duty, Long

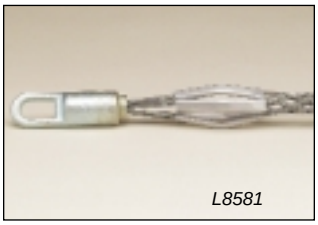
CAT. NO.	CABLE DIA. RANGE (INCHES)	NOMINAL GRIP SIZE	APPROX. BREAK STRENGTH*	MESH DIM. M (INCHES)
L8572	0.75–0.99	0.87	8,100	48
L8573	1.00–1.49	1.25	11,600	48
L8574	1.50–1.99	1.75	19,400	48
L8575	2.00–2.49	2.25	19,400	48
L8576	2.50–2.99	2.75	25,900	48
L8577	3.00–3.49	3.25	25,900	48
L8578	3.50–3.99	3.75	32,400	48

Note: See installation instructions supplied with grip for recommended swivels, links and clamps or accessories listing.
*To determine workload safety factor, divide approximate break strength by 5. See page Q5 for strength information.

Pulling Grips—PS Series S

PS Series grips feature a double weave of galvanized steel strands for greater strength and added mesh contact with the cable. Leviton Double Weave Pulling Grips are designed to handle longer or heavier pulling jobs such as installation of underground cables, communication lines, and service lines.

Double Weave Pulling Grips have a forged steel compact rotating eye which can be attached to a swivel.



Double Weave, Rotating Eye, Heavy Duty, Short

CAT. NO.	CABLE DIA. RANGE (INCHES)	NOMINAL GRIP SIZE	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)	EYE SIZE (INCHES)
L8581	0.50–0.61	0.55	5,600	5	11	7/8
L8582	0.62–0.74	0.68	6,800	5	11	7/8
L8583	0.75–0.99	0.87	9,600	6	20	1
L8584	1.00–1.24	1.12	16,400	7	20	1-3/8
L8585	1.25–1.49	1.37	16,400	7	21	1-3/8
L8586	1.50–1.99	1.74	27,200	7	25	1-5/8
L8587	2.00–2.49	2.24	33,000	8	26	1-7/8
L8588	2.50–2.99	2.74	41,000	10	28	1-7/8
L8589	3.00–3.49	3.24	48,000	10	30	1-7/8
L8591	3.50–3.99	3.74	48,000	10	32	1-7/8
L8592	4.00–4.49	4.24	48,000	10	33	1-7/8

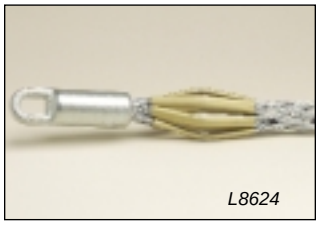
Double Weave, Rotating Eye, Heavy Duty, Standard

CAT. NO.	CABLE DIA. RANGE (INCHES)	NOMINAL GRIP SIZE	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)	EYE SIZE (INCHES)
L8601	0.50–0.61	0.55	5,600	5	16	7/8
L8602	0.62–0.74	0.68	6,800	5	16	7/8
L8603	0.75–0.99	0.87	9,600	6	32	1
L8604	1.00–1.49	1.12	16,400	7	33	1-3/8
L8605	1.50–1.99	1.74	16,400	7	34	1-3/8
L8606	2.00–2.49	2.24	27,200	9	36	1-5/8
L8607	2.50–2.99	2.74	33,000	10	38	1-7/8
L8608	3.00–3.49	3.24	41,000	10	39	1-7/8
L8609	3.50–3.99	3.74	48,000	10	41	1-7/8
L8611	4.00–4.49	4.24	48,000	10	42	1-7/8
L8612	4.50–4.99	4.74	48,000	10	58	1-7/8
L8613	5.00–5.99	5.49	48,000	10	60	1-7/8
L8614	6.00–6.99	6.49	48,000	10	66	1-7/8

Double Weave, Rotating Eye, Heavy Duty, Standard—Kit

KIT CAT. NO.	KIT INCLUDES ONE EACH OF CAT. NO.
L8600	L8603
	L8604
	L8605
	L8606

Note: See installation instructions supplied with grip for recommended swivels, links and clamps or accessories listing.
*To determine workload safety factor, divide approximate break strength by 5. See page Q5 for strength information.



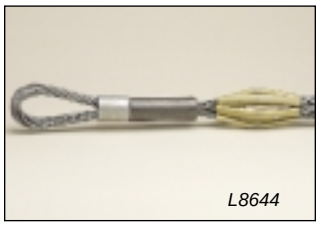
Pulling Grips—Multi-Weave Grips PR Series S

Leviton *Multi-Weave Pulling Grips* are constructed of high strength galvanized steel strands and are designed for pulling aluminum or copper bare conductor, wire rope and insulated cables. These grips are used in applications such as distribution line stringing and overhead transmission.

Multi-Weave Pulling Grips are available with a flexible or rotating eye which can be attached to a swivel. The forged steel flexible eye will thread through sheaves and blocks without binding, but is not a swivel and will not turn under tension. The rotating eye can turn to relieve pulling torque when tension is relaxed.

Multi-Weave, Rotating Eye

CAT. NO.	CABLE DIA. RANGE (INCHES)	NOMINAL GRIP SIZE	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)	COLOR CODE	EYE SIZE (INCHES)
L8621	0.25–0.49	3/8	6,800	5	26	Dk. Green	7/8
L8622	0.50–0.74	5/8	10,000	6	32	Brown	1
L8623	0.75–0.99	7/8	14,400	6	41	Lt. Blue	1
L8624	1.00–1.24	1-1/8	24,600	8	52	Gold	1-3/8
L8625	1.25–1.49	1-3/8	30,600	8	56	Black	1-5/8
L8626	1.50–1.74	1-5/8	30,600	9	60	Red	1-7/8
L8627	1.75–1.99	2	48,000	10	70	Dk. Blue	1-7/8
L8628	2.00–2.49	2-1/4	48,000	10	50	Yellow	1-7/8
L8629	2.50–2.99	2-3/4	48,000	10	52	Orange	1-7/8
L8631	3.00–3.49	3-1/4	48,000	10	54	Alum.	1-7/8
L8632	3.50–3.99	3-3/4	48,000	10	56	Lt. Green	1-7/8



Pulling Grips—Multi-Weave Grips PR Series S

Multi-Weave, Flexible Eye

CAT. NO.	CABLE DIA. RANGE (INCHES)	NOMINAL GRIP SIZE	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)	COLOR CODE	EYE SIZE (INCHES)
L8641	0.25–0.49	3/8	6,800	9	26	Dk. Green	1/4
L8642	0.50–0.74	5/8	10,000	9	32	Brown	5/16
L8643	0.75–0.99	7/8	14,400	11	41	Lt. Blue	3/8
L8644	1.00–1.24	1-1/8	24,600	12	52	Gold	1/2
L8645	1.25–1.49	1-3/8	30,600	12	56	Black	1/2
L8646	1.50–1.74	1-5/8	30,600	12	60	Red	1/2
L8647	1.75–1.99	2	48,000	15	70	Dk. Blue	5/8
L8648	2.00–2.49	2-1/4	48,000	18	50	Yellow	5/8
L8649	2.50–2.99	2-3/4	48,000	18	52	Orange	5/8
L8651	3.00–3.49	3-1/4	48,000	18	54	Alum.	5/8
L8652	3.50–3.99	3-3/4	48,000	18	56	Lt. Green	5/8

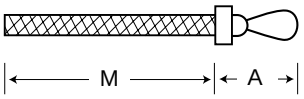
Note: It is recommended that a swivel be used for release of torque during a pull. Use a connecting link when a swivel is not needed. Do not run grips or swivels over bullwheels while under tension. Do not use Multi-Weave for pulling rope. When higher loads are required, use Leviton's high strength-style pulling grips. See installation instructions supplied with grip for recommended swivels, links and clamps or accessories listing.

*To determine workload safety factor, divide approximate break strength by 5. See page Q5 for strength information.

Pulling Grips—High Strength Grips PHS Series S

High Strength Pulling Grips are designed for situations where load and safety considerations require an extra high strength grip. They are most commonly used for attaching pulling lines to conductors, conductors to running boards, and conductor-to-conductor connections. These grips can be used for pulling bare or insulated conductor, wire rope or synthetic rope.

A feed tube is used when assembling synthetic rope[1] into the High Strength Pulling Grip and is required on the two largest grip sizes.



Multi-weave Flexible Eye

CAT. NO.	GRIP RANGE O. D. (INCHES) ROPE[1]	CONDUCTOR	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	MESH (DIM. M)	COLOR CODE	FLEXIBLE EYE SIZE (INCHES)
L8660	0.25–0.65	0.19–0.37	6,500	10	24	Black	.218
L8661	0.50–0.90	0.38–0.62	14,000	13	26	Dk. Green	.375
L8662	0.75–1.10	0.63–0.87	20,000	14	48	Red	.437
L8663	1.00–1.50	0.88–1.12	30,600	15	60	Dk. Blue	.500
L8664	1.25–1.70	1.13–1.37	46,800	18	76	Yellow	.625
L8665	1.50–2.10	1.38–1.90	66,500	24	89	Alum.	.750

[1]For rope, select smallest size grip which meets required workload.

*To determine workload safety factor, divide approximate break strength by 5. See page Q5 for strength information.

Recommended Rope Assembly Using High Strength Feed Tube

1) Insert feed tube into High Strength Pulling Grip.

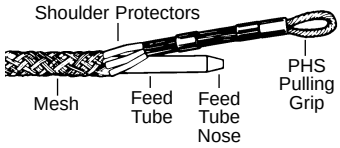
2) Insert rope end fully into feed tube.

3).Hold rope in feed tube by pinning rope to the ground with end of tube. Pull mesh down onto feed so feed tube nose is protruding through shoulder protectors as shown.

4) .Push mesh to end of feed tube and pull feed tube through mesh. When tube is pulled, the mesh gripping action will hold rope in place.

5) Position rope so that its end is inside the shoulder protectors. Remove slack from mesh by smoothing mesh tight to rope.

6) Apply clamps to mesh end.



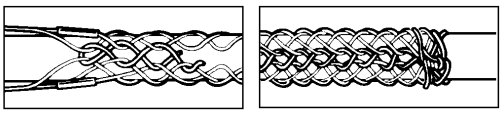
Split-Lace/Split-Rod Attachments (for use where end of cable is not accessible—applies to slack grips only)

Beginning at the end of the grip closest to the bale fitting, thread the lacing through the first two loops of the split, pulling the lace through until the ends are centered evenly. Cross the laces and thread them through the next two loops, and so on down the grip, being careful not to pull the lacing too tight.

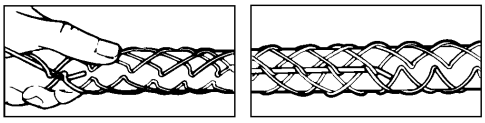
Spacing of the laced closure should be approximately the same as the mesh weave. When the end of grip is reached, twist the lacing strands tightly together, wrapping the ends of the lace around the grip, and twisting again to secure. Excess length may be cut off.

Split grips with rod closing are economical, since they are quickly installed, and are reusable. Simply wrap the grip around the cable and thread the rod through the loops, using a corkscrew motion. To remove, pull the rod out, and the grip is ready for re-use.

Split-Lace



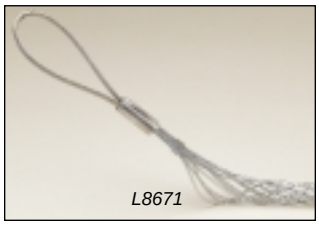
Split-Rod



Wire Mesh Safety Grips

Pulling Grips—Slack Grips

Slack Grips are reusable grips used for pulling slack in underground cable preparatory to final placement. They may also be used for cable removal. Slack Grips feature an offset eye for easy attachment to the pulling line. See attachment information for split lace and split rod on page Q12.


L8671

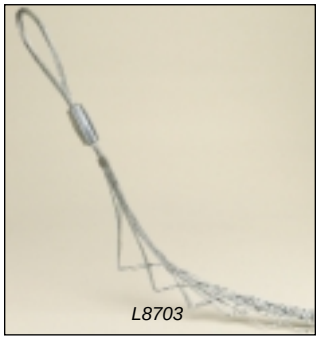
Pulling Grips—Slack Grips SCK Series S

Closed Mesh, Double Weave, Offset Eye, Heavy Duty, Medium

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROXIMATE BREAK STRENGTH*	MESH LENGTH (INCHES)
L8671	0.75–0.99	3,000	13
L8672	1.00–1.24	4,200	16
L8673	1.25–1.49	5,500	17
L8674	1.50–1.74	7,400	18
L8675	1.75–1.99	11,000	19
L8676	2.00–2.49	11,000	20
L8677	2.50–2.99	11,000	21
L8678	3.00–3.49	16,000	22
L8679	3.50–3.99	16,000	23

Closed Mesh, Double Weave, Offset Eye, Heavy Duty, Long

L8681	0.75–0.99	3,000	21
L8682	1.00–1.24	5,500	21
L8683	1.25–1.49	5,500	24
L8684	1.50–1.99	7,400	26
L8685	2.00–2.49	11,000	27
L8686	2.50–2.99	11,000	30
L8687	3.00–3.49	16,000	33
L8688	3.50–3.99	16,000	36


L8703

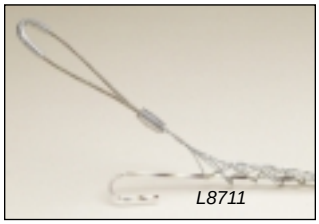
Pulling Grips—Slack Grips SSK Series S

Split Lace, Double Weave, Offset Eye, Heavy Duty, Medium

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROXIMATE BREAK STRENGTH*	MESH LENGTH (INCHES)
L8691	0.75–0.99	3,000	13
L8692	1.00–1.24	4,100	16
L8693	1.25–1.49	4,100	17
L8694	1.50–1.74	5,500	18
L8695	1.75–1.99	7,300	19
L8696	2.00–2.49	7,300	20
L8697	2.50–2.99	7,300	21
L8698	3.00–3.49	9,200	22
L8699	3.50–3.99	11,000	23

Split Lace, Double Weave, Offset Eye, Heavy Duty, Long

L8701	0.75–0.99	3,000	21
L8702	1.00–1.24	4,100	21
L8703	1.25–1.49	4,100	24
L8704	1.50–1.99	5,500	25
L8705	2.00–2.49	7,300	27
L8706	2.50–2.99	7,300	30
L8707	3.00–3.49	9,200	33
L8708	3.50–3.99	11,000	36


L8711

Pulling Grips—Slack Grips SRK Series S

Split Rod, Single Weave, Offset Eye, Heavy Duty, Medium

L8711	0.50–0.61	1,800	7
L8712	0.62–0.74	1,900	9
L8713	0.75–0.99	3,000	11
L8714	1.00–1.24	4,100	12
L8715	1.25–1.49	5,700	14
L8716	1.50–1.74	5,800	16
L8717	1.75–1.99	7,700	17
L8718	2.00–2.49	9,300	20
L8719	2.50–2.99	11,300	21
L8721	3.00–3.49	15,100	22
L8722	3.50–3.99	15,100	25

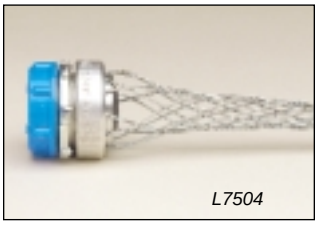
*To determine workload safety factor, divide approximate break strength by 5. See page Q5 for strength information.

Strain-Relief Grips

Strain-Relief Grips are used to connect cord or cable to electrical enclosures and equipment. These grips prevent pullout due to tension and limit the arc of bend at the point of entry; strain is distributed over the length of mesh rather than concentrated at one point or transferred to the internal termination.

Wide-Range Grips U* R*

Wide-Range Grips are recommended for use in wiring of enclosures, power boxes, machine tools, and power centers. They include an insulated bushing (dust-tight).

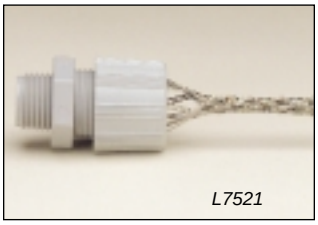

L7504

Single Weave Galvanized Steel Mesh

CAT. NO.	CABLE DIA. RANGE (INCHES)	NPT SIZE (INCHES)	MESH LENGTH @ NOMINAL DIA. (INCHES)	MINIMUM DISTANCE BETWEEN GRIPS (INCHES)
L7501	0.22–0.32	1/2	4	1-1/4
L7502	0.30–0.43	1/2	4-1/2	1-1/4
L7503	0.40–0.54	1/2	5-1/2	1-1/4
L7504	0.52–0.73	3/4	5-1/2	1-1/2
L7505	0.70–0.97	1	8	1-7/8
L7506	0.94–1.25	1-1/4	9	2-3/8
L7507	1.20–1.50	1-1/2	11	2-5/8
L7508	1.40–1.75	2	13	3-1/4
L7509	1.62–2.00	2-1/2	13-1/2	3-5/8
L7511	2.00–2.45	2-1/2	13-1/2	3-5/8

Cord Sealing Grips U* R*

Cord Sealing Grips with Mesh are nylon devices used to connect electrical cables to boxes, cabinets, pushbuttons, enclosures, etc. They are liquid-tight devices that are highly resistant to impact and corrosion. Non-metallic cord sealing grips will not support combustion. The ratings are: Wire Mesh Grip-94 HB and Fitting-94V-2. Cord Sealing Grip products are suitable for use in wet locations so long as a listed sealing ring is used between the box and the fitting.


L7521

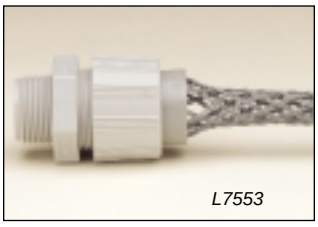
Straight—SS mesh

Nylon Cord Sealing Grips with Mesh—Straight and 90°

CAT. NOS. STAINLESS STEEL MESH STRAIGHT	90°	NON-METALLIC MESH STRAIGHT	90°	CABLE DIA. RANGE (INCHES)	NPT (FORM SIZE)
L7521	**L7523**	**L7522**	**L7524**	.187–.250	
L7525	**L7527**	**L7526**	**L7528**	.250–.312	
L7529	**L7532**	**L7531**	**L7533**	.312–.375	1/2"
L7534	**L7536**	**L7535**	**L7537**	.375–.437	(F2)
L7538	**L7541**	**L7539**	**L7542**	.437–.500	
L7543[1]	**L7544**[1]	———	———	.500–.562	
L7545[1]	**L7546**[1]	———	———	.562–.625	
L7601	**L7603**	**L7602**	**L7604**	.187–.250	
L7605	**L7607**	**L7606**	**L7608**	.250–.375	
L7609	**L7612**	**L7611**	**L7613**	.375–.437	
L7547	**L7549**	**L7548**	**L7551**	.437–.562	3/4"
L7552	**L7554**	**L7553**	**L7555**	.500–.625	(F3)
L7556	**L7558**	**L7557**	**L7559**	.562–.687	
L7561	**L7563**	**L7562**	**L7564**	.625–.750	
L7565[1]	**L7566**[1]	———	———	.687–.812	
L7567		**L7568**	**L7569**	.437–.562	
L7571	**L7573**	**L7572**	**L7574**	.500–.625	
L7575	**L7577**	**L7576**	**L7578**	.562–.687	
L7579	**L7582**	**L7581**	**L7583**	.625–.750	1"
L7584	**L7586**	**L7585**	**L7587**	.687–.812	(F4)
L7588	**L7591**	**L7589**	**L7592**	.750–.875	
L7593	**L7595**	**L7594**	**L7596**	.812–.937	
L7597	**L7599**	**L7598**	**L7590**	.875–1.000	
———	———	———	———	1.000–1.100	

L7527

90°—SS mesh


L7553

Straight—nylon mesh

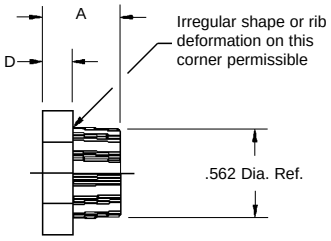
[1]Cable jacket may have to be stripped for clearance. NOTE: F2, F3 and F4 are fitting form sizes.
*Cord Sealing Grips with non-metallic mesh are UL Listed and CSA Certified. Cord Sealing Grips with stainless steel mesh are CSA Certified only.

Strain-Relief Grips—Dimensions

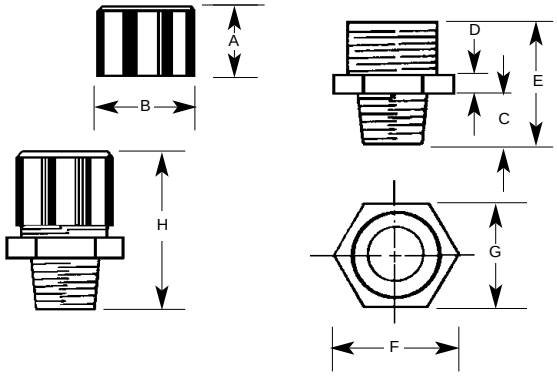
Dimensions for Nylon Cord-Sealing Fittings, Straight Body

FORM	NPT	A	B	C	D	E	F	G	H (REF.)
0	1/4"	.500	.778	.370	.187	.921	.778	.687	1.25
1	3/8"	1.000	1.150	.500	.250	1.250	1.115	1.000	1.85
2	1/2"	1.000	1.300	.500	.300	1.450	1.250	1.100	2.00
3	3/4"	1.000	1.500	.550	.375	1.700	1.578	1.375	2.00
4	1"	1.000	1.850	.687	.375	1.800	1.900	1.650	2.12
5	1 1/4"	1.000	2.050	.687	.375	1.800	2.100	1.850	2.12

Form 0

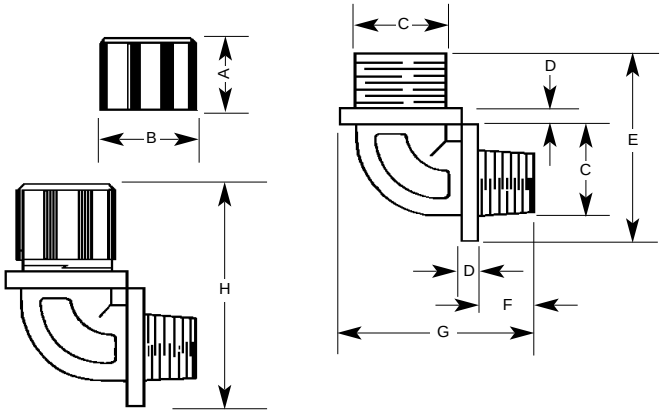


Forms 1–5



Dimensions for Nylon Cord-Sealing Fittings, 90° Body

FORM	NPT	A	B	C	D	E	F	G	H (REF.)
1	3/8"	1.000	1.150	1.100	.187	1.812	.450	1.687	2.35
2	1/2"	1.000	1.300	1.165	.187	1.900	.578	1.820	2.40
3	3/4"	1.000	1.500	1.600	.187	2.421	.593	2.218	2.75
4	1"	1.000	1.850	1.850	.187	2.656	.800	2.700	3.00
5	1 1/4"	1.000	2.050	1.965	.187	2.859	.750	2.812	3.25



Deluxe Cord Grips U* R*

Deluxe Cord Grips are woven of stainless steel mesh with an anodized aluminum body for corrosion resistance. They are offered in Single/Double Weave construction to help absorb direct pull, resist flexing and binding, and eliminate strain. Aluminum fittings are offered in a variety of NPT thread sizes. They are recommended for indoor or outdoor use where moisture may be present in the wiring of pendant stations, processing equipment, hand tools, and extension cord sets. They are UL Listed and CSA Certified. Deluxe Cord Grips are suitable for use in hazardous locations per Class I, Div. 2; Class II, Div. 1 and 2; and Class III, Div. 1 and 2. They are also suitable for use in wet locations as long as a listed sealing ring is used between the box and the fitting.

Single/Double Weave

CAT. NOS. STRAIGHT MALE	90° MALE	45° MALE	STRAIGHT FEMALE	CABLE. DIA. RANGE (INCHES)	NPT SIZE
L7701	—	—	—	.187–.250	
L7702	—	—	**L7821**	.250–.312	
L7703	—	—	**L7822**	.312–.375	3/8"
L7704	—	—	**L7823**	.375–.437	
L7705	**L7761**	**L7801**	**L7824**	.187–.250	
L7706	**L7762**	**L7802**	**L7825**	.250–.375	
L7707	**L7763**	**L7803**	**L7826**	.375–.500	1/2"
L7708	**L7764**	**L7804**	**L7827**	.500–.625	
L7709	—	—	—	.625–.750	
L7711	**L7765**	**L7805**	**L7828**	.250–.375	
L7712	**L7766**	**L7806**	**L7829**	.375–.500	
L7700	**L7767**	**L7807**	**L7831**	.500–.625	3/4"
L7713	**L7768**	**L7808**	**L7832**	.625–.750	
L7714	—	—	—	.750–.875	
L7715	**L7769**			.437–.562	
L7716	**L7771**	**L7809**	**L7833**	.562–.687	
L7717	**L7772**	**L7811**	**L7834**	.625–.750	1"
L7718	**L7773**	**L7812**	**L7835**	.750–.875	
L7719	**L7774**	**L7813**	**L7836**	.875–1.000	
L7721	—	—	—	1.000–1.125	
L7722	—	—	—	1.125–1.250	
L7723	**L7775**	—	—	.750–.875	
L7724	**L7776**	—	—	.875–1.000	
L7725	**L7777**	**L7810**	—	1.000–1.125	1-1/4"
L7726	**L7778**		—	1.125–1.250	
L7727	**L7779**	**L7820**	—	1.250–1.375	
L7728	**L7781**	—	—	.750–.875	
L7729	**L7782**	—	—	.875–1.000	
L7731	**L7783**	—	—	1.000–1.125	1-1/2"
L7732	**L7784**	—	—	1.125–1.250	
L7733	**L7785**	—	—	1.250–1.375	
L8011	—	—	—	1.312–1.437	
L7770	—	—	—	1.437–1.562	
L7750	—	—	—	1.562–1.687	
L7760	—	—	—	1.687–1.812	
L7780	—	—	—	1.750–1.875	
L7734	**L7786**	—	—	1.250–1.375	
L7735	**L7787**	—	—	1.437–1.562	
L7736	**L7788**	—	—	1.500–1.625	2"
L7737	**L7789**	—	—	1.625–1.750	
L7738	**L7791**	—	—	1.750–1.875	
L8012	—	—	—	1.812–1.937	
L8013	—	—	—	1.937–2.062	
L7720	—	—	—	2.062–2.187	
L7730	—	—	—	2.187–2.312	
L7739	—	—	—	1.688–1.812	
L7741	—	—	—	1.812–1.937	
L7742	—	—	—	1.937–2.062	2-1/2"
L7743	—	—	—	2.062–2.187	
L7744	—	—	—	2.187–2.312	
L7740	—	—	—	2.312–2.437	
L7745	—	—	—	1.750–1.875	
L7746	—	—	—	1.875–2.000	
L7747	—	—	—	2.000–2.125	
L7748	—	—	—	2.125–2.250	
L7749	—	—	—	2.187–2.312	3"
L7751	—	—	—	2.312–2.437	
L7752	—	—	—	2.437–2.625	
L7753	—	—	—	2.625–2.812	
L7754	—	—	—	2.812–3.000	
L7755	—	—	—	3.000–3.250	

Straight—Male

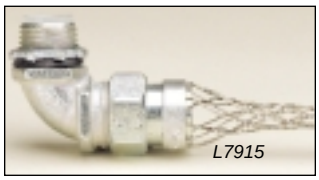
90°—Male

45°—Male

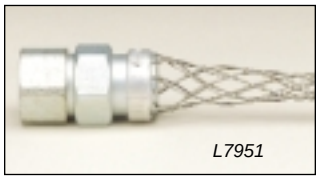
Straight—Female

Wire Mesh Safety Grips

Straight—Male

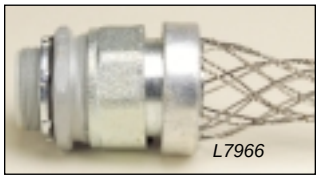


90°—Male



Straight—Female

90°—Male



Straight—Male

Liquid-Tight Grips U* R*

Liquid-Tight Grips are woven stainless steel mesh with an anodized aluminum body for corrosion-resistance. They are used to connect liquid-tight flexible metal conduit to electrical enclosures to prevent conduit pullout. Each fitting is supplied with an insulated throat to ensure conductor insulation and protect against damage caused by flexing, heat expansion or contraction.

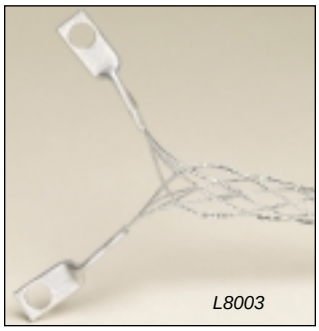
Liquid-Tight Grips are recommended in the wiring of motors and any electrical enclosure where liquid-tight conduit is subject to motion or strain. UL Listed and CSA Certified.

Liquid-Tight Grips

CAT. NOS. STRAIGHT MALE	90° MALE	45° MALE	STRAIGHT FEMALE	FITTING SIZE (INCHES)	MESH LENGTH (INCHES)
L7901	**L7915**	**L7931**	**L7951**	3/8	2-5/8
L7902	**L7916**	**L7932**	**L7952**	1/2	3-7/8
L7903	**L7917**	**L7933**	**L7953**	3/4	4-3/8
L7904	**L7918**	**L7934**	**L7954**	1	5-1/4
L7905	**L7919**	**L7935**		1-1/4	5-5/8
L7906	**L7921**	**L7936**		1-1/2	5-3/4
L7907	**L7922**	**L7937**		2	7-1/2
L7908	**L7923**	**L7938**		2-1/2	9-5/8
L7911	**L7924**	**L7939**		3	10-5/8
L7912	**L7925**	**L7941**		4	12

Liquid-Tight Grips for Non-Metallic Type "A" Flexible Conduit

CAT. NOS. STRAIGHT MALE	90° MALE	FITTING SIZE (INCHES)	MESH LENGTH (INCHES)
L7961	**L7999**	3/8	9
L7962	**L7990**	1/2	10
L7963	**L7967**	3/4	10-1/2
L7964	**L7968**	1	12
L7965	**L7969**	1-1/4	17
L7966	**L7971**	1-1/2	21-1/2
L7970	**L7972**	2	24

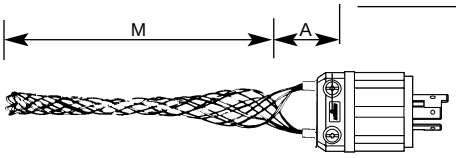


Connection Wire Mesh Grips S

Connection Wire Mesh Grips provide additional strain-relief for plugs and connectors used on portable equipment in commercial and institutional applications, and industrial plant and construction site areas which incur abnormally high abuse. Grips are made of galvanized steel.

Connection Wire Mesh Grips

CAT NO.	CABLE DIA. RANGE (INCHES)	EYE DIMENSIONS (A) (INCHES)	MESH LENGTH (M) (INCHES)
L8001	.30–.43	1-11/16	4-3/4
L8002	.40–.56	1-11/16	6
L8003	.52–.73	1-11/16	7
L8004	.70–.85	1-15/16	8-1/2
L8005	.82–1.00	1-15/16	8-1/2
L8006	.94–1.25	1-15/16	10-1/2



Support Grips

Support Grips are designed to hold the weight of cable on vertical or sloping runs. They may be used indoors or outdoors to support electrical and fiber optic cable, metal rods and tubing.

Leviton Support Grips are woven with tinned bronze wire. For applications requiring a greater degree of corrosion resistance, stainless steel wire is available on special order. For information regarding selection of the proper-sized support grip, see pages Q3 and Q4.

Style

SINGLE "U" EYE

For use when cable is vertical and for applications where cable bends or where a single attachment is more advantageous for positioning.

DOUBLE "U" EYE

For use when cable is vertical and extends through the grip without bending. Eyes may be fastened to open hooks, but should not be more than 15° from the axis of vertical cable. When eyes are supported equally, this attachment offers a fully balanced load.

OFFSET EYE

Similar to single eye applications, but for use when offset positioning is required.

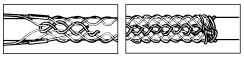
LOCKING (UNIVERSAL) BALE

Adjustable and self-locking, this attachment fits around a beam, pipe or other continuous structural object. The bale wraps around the object and is securely anchored in the bar.

Split Lace/Split Rod

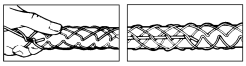
SPLIT LACE

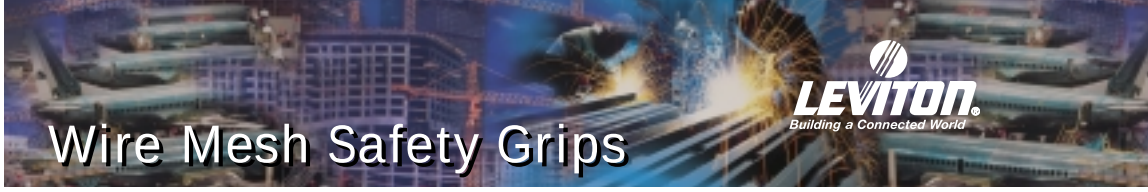
Beginning at the lead end of the grip, thread the lacing through the first two loops of the split, pulling the lace through until the ends are centered evenly. Cross laces and thread through the next two loops, and so on down the grip, being careful not to pull the lacing too tight. The spacing of the lace closure should be approximately the same as that of the mesh weave. When the end of grip is reached, twist the lacing strands tightly together; wrap the ends of the lace around the grip and twist again to secure. Excess length may be cut off.



SPLIT ROD

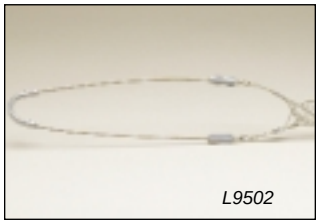
Split grips with rod closing install quickly and they are economical and reusable. Simply wrap the grip around the cable and thread the rod through the loops, using a corkscrew motion. To remove, pull the rod out; and the grip is ready for re-use.



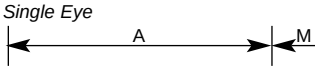


Support Grips—Standard Closed Mesh S

Standard Closed Mesh Support Grips are designed for loads up to 500 lbs. and vertical runs of no more than 100 feet. Heavy-duty closed mesh support grips are designed for loads in excess of 500 lbs. They are available in a variety of eye styles and cable ranges for supporting electrical cable, metal rods and tubing. Closed mesh support grips are used when the end of the cable is accessible. Mesh is made of tinned bronze material.



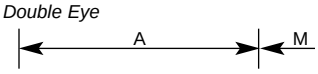
Single Eye



Single Eye, Closed Mesh, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9501	0.50–0.61	770	7	10
L9502	0.62–0.74	960	8	10
L9503	0.75–0.99	1,300	8	12
L9504	1.00–1.24	1,680	9	12
L9505	1.25–1.49	1,680	10	16
L9506	1.50–1.74	1,680	12	17
L9507	1.75–1.99	2,640	14	18
L9508	2.00–2.49	3,760	16	18
L9509	2.50–2.99	3,760	18	21
L9511	3.00–3.49	5,040	21	26
L9512	3.50–3.99	5,040	24	28

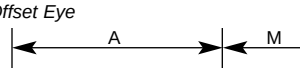
Double Eye



Double Eye, Closed Mesh, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9515	0.50–0.61	770	4	11
L9516	0.62–0.74	1,150	4	11
L9517	0.75–0.99	1,320	4	14
L9518	1.00–1.24	1,920	5	15
L9519	1.25–1.49	1,920	5	16
L9521	1.50–1.74	1,920	6	18
L9523	1.75–1.99	3,150	6	20
L9524	2.00–2.49	3,360	6	22
L9525	2.50–2.99	3,360	6	24
L9526	3.00–3.49	5,280	8	26
L9527	3.50–3.99	5,280	8	28

Offset Eye



Offset Eye, Closed Mesh, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9531	0.50–0.61	770	4	11
L9532	0.62–0.74	960	4	11
L9533	0.75–0.99	960	4	14
L9534	1.00–1.24	1,680	5	15
L9535	1.25–1.49	1,680	5	16
L9536	1.50–1.74	1,680	5	18
L9537	1.75–1.99	2,640	6	20
L9538	2.00–2.49	3,760	6	21
L9539	2.50–2.99	3,760	8	24
L9541	3.00–3.49	5,040	9	26
L9542	3.50–3.99	5,040	9	28

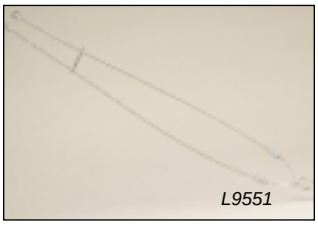
Note: Support grips are also available in stainless steel—contact your Leviton Representative.
*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.

Support Grips—Standard Closed Mesh S

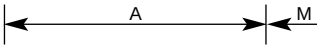
Locking Bale, Closed Mesh, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9551	0.50–0.61	770	11	10
L9552	0.62–0.74	1,150	11	10
L9553	0.75–0.99	1,320	14	12
L9554	1.00–1.24	1,920	15	12
L9555	1.25–1.49	1,920	16	13
L9556	1.50–1.74	1,920	18	17
L9557	1.75–1.99	3,150	20	18
L9558	2.00–2.49	3,360	21	18
L9559	2.50–2.99	3,360	24	21
L9561	3.00–3.49	5,280	26	23
L9562	3.50–3.99	5,280	28	23.5

*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.



Locking Bale



Support Grips—Heavy Duty S

Heavy Duty Support Grips handle continuous loads of over 500 lbs. in vertical runs greater than 100 ft. for cable diameters from 3/4" to 4 1/2".

Single Eye, Double Weave, Heavy Long, Closed Mesh

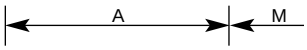
CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9701	0.75–0.99	2,700	10	26
L9702	1.00–1.24	4,720	10	29
L9703	1.25–1.49	4,720	10	31
L9704	1.50–1.99	4,720	10	35

Double Eye, Double Weave, Heavy Long, Closed Mesh

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9711	0.75–0.99	2,700	10	26
L9712	1.00–1.25	4,720	10	29
L9713	1.25–1.49	4,720	10	31
L9714	1.50–1.99	4,720	10	35
L9715	2.00–2.49	10,080	10	37
L9716	2.50–2.99	10,080	10	39
L9717	3.00–3.49	10,080	10	41
L9718	3.50–3.99	13,120	10	45
L9719	4.00–4.49	13,120	10	47

*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.

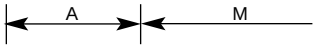
Double Eye



Support Grips—Standard Split Lace S

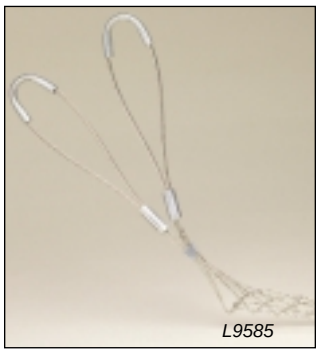
Split Lace Support Grips are designed for loads up to 500 lbs. and vertical runs of no more than 100 feet. Heavy-duty split lace support grips are available on page Q22. They are available in a variety of eye styles and cable ranges for supporting electrical cable, metal rods and tubing. Split lace grips are utilized when the end of the cable cannot be feasibly accessed and the support grip is intended for permanent installation. Mesh is made of tinned bronze material. For attachment information see page Q18.

Single Eye

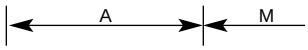


Single Eye, Split Lace, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9571	0.50–0.61	770	7	11
L9572	0.62–0.74	960	8	11
L9573	0.75–0.99	1,320	8	14
L9574	1.00–1.24	1,680	9	15
L9575	1.25–1.49	1,680	10	16
L9576	1.50–1.74	1,680	12	18
L9577	1.75–1.99	2,640	14	20
L9578	2.00–2.49	3,760	16	22
L9579	2.50–2.99	3,760	18	24
L9581	3.00–3.49	5,040	21	26
L9582	3.50–3.99	5,040	24	28

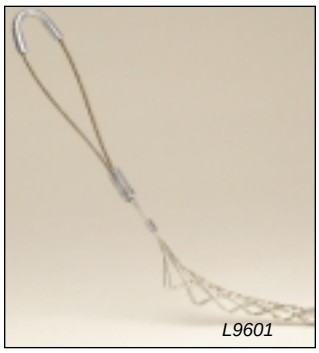


Double Eye

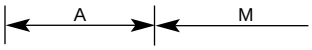


Double Eye, Split Lace, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9585	0.50–0.61	770	4	11
L9586	0.62–0.74	1,150	4	11
L9587	0.75–0.99	1,320	4	14
L9588	1.00–1.24	1,920	5	15
L9589	1.25–1.49	1,920	5	16
L9591	1.50–1.74	1,920	5	18
L9592	1.75–1.99	3,150	6	20
L9593	2.00–2.49	3,360	6	22
L9594	2.50–2.99	3,360	6	24
L9595	3.00–3.49	5,280	8	26
L9596	3.50–3.99	5,280	8	28



Offset Eye



Offset Eye, Split Lace, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9601	0.50–0.61	770	4	11
L9602	0.62–0.74	960	4	11
L9603	0.75–0.99	960	4	14
L9604	1.00–1.24	1,680	5	15
L9605	1.25–1.49	1,680	5	16
L9606	1.50–1.74	1,680	5	18
L9607	1.75–1.99	2,640	8	20
L9608	2.00–2.49	3,760	8	22
L9609	2.50–2.99	3,760	8	24
L9611	3.00–3.49	5,040	9	26
L9612	3.50–3.99	5,040	9	28

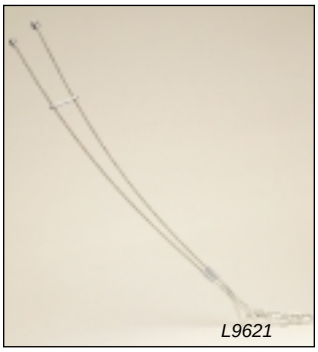
Note: Support grips are also available in stainless steel—contact your Leviton Representative.
*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.

Support Grips—Standard Split Lace S

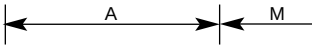
Locking Bale, Split Lace, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9621	0.50–0.61	770	18	11
L9622	0.62–0.74	1,150	18	11
L9623	0.75–0.99	1,320	18	14
L9624	1.00–1.24	1,920	18	15
L9625	1.25–1.49	1,920	18	16
L9626	1.50–1.74	1,920	18	18
L9627	1.75–1.99	3,150	18	20
L9628	2.00–2.49	3,360	18	22
L9629	2.50–2.99	3,360	18	24

*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.



Locking Bale



Support Grips—Heavy Duty Split Lace S

Heavy Duty Support Grips handle continuous loads of over 500 lbs. in vertical runs greater than 100 ft. for cable diameters from 3/4" to 4 1/2".

Single Eye, Double Weave, Heavy Long, Split Lace

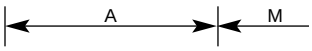
CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9722	0.75–0.99	2,700	10	26
L9723	1.00–1.24	4,720	10	29
L9724	1.25–1.49	4,720	10	31
L9725	1.50–1.99	4,720	10	35

Double Eye, Double Weave, Heavy Long, Split Lace

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9731	0.75–0.99	2,700	10	26
L9732	1.00–1.24	4,720	10	29
L9733	1.25–1.49	4,720	10	31
L9734	1.50–1.99	4,720	10	35
L9735	2.00–2.49	10,080	10	37
L9736	2.50–2.99	10,080	10	39
L9737	3.00–3.49	10,080	10	41
L9738	3.50–3.99	13,120	10	45
L9739	4.00–4.49	13,120	10	47

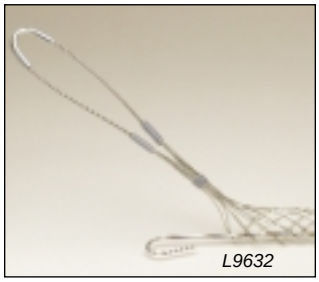
*To determine workload safety factor, divide approximate break strength by 10. See page Q5s for strength information.

Double Eye

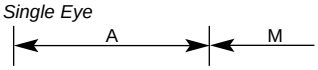


Support Grips—Standard Split Rod S

Split Rod Support Grips are designed for loads up to 500 lbs. and vertical runs of no more than 100 feet. They are available in a variety of eye styles and cable ranges for supporting electrical cable, metal rods and tubing. Split rod support grips are utilized when the end of the cable cannot be feasibly accessed and the installation is temporary. For attachment information see page Q18.

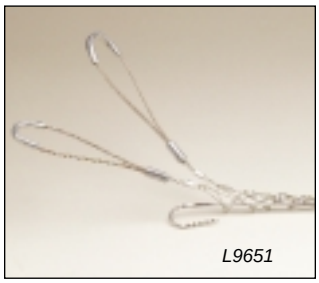


Single Eye

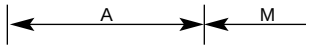


Single Eye, Split Rod, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9631	0.50–0.61	770	7	9
L9632	0.62–0.74	960	8	9
L9633	0.75–0.99	1,320	8	11
L9634	1.00–1.24	1,680	9	13
L9635	1.25–1.49	1,680	10	15
L9636	1.50–1.74	1,680	12	16
L9637	1.75–1.99	2,640	14	17
L9638	2.00–2.49	3,760	16	20
L9639	2.50–2.99	3,760	18	22
L9641	3.00–3.49	6,560	21	24
L9642	3.50–3.99	6,560	24	26



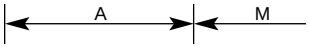
Double Eye



Double Eye, Split Rod, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9651	0.50–0.61	770	4	9
L9652	0.62–0.74	1,150	4	9
L9653	0.75–0.99	1,320	4	11
L9654	1.00–1.24	1,920	5	13
L9655	1.25–1.49	1,920	5	15
L9656	1.50–1.74	1,920	5	16
L9657	1.75–1.99	3,150	6	17
L9658	2.00–2.49	3,360	6	20
L9659	2.50–2.99	3,360	6	22
L9661	3.00–3.49	7,520	8	24
L9662	3.50–3.99	7,520	8	26

Offset Eye



Offset Eye, Split Rod, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9671	0.50–0.61	770	4	9
L9672	0.62–0.74	960	4	9
L9673	0.75–0.99	960	4	11
L9674	1.00–1.24	1,680	5	13
L9675	1.25–1.49	1,680	5	15
L9676	1.50–1.74	1,680	5	16
L9677	1.75–1.99	2,640	6	17
L9678	2.00–2.49	3,760	6	20
L9679	2.50–2.99	3,760	6	22
L9681	3.00–3.49	5,040	8	24
L9682	3.50–3.99	5,040	8	26

*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.

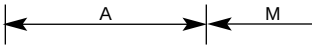
Support Grips—Standard Split Rod S

Locking Bale, Split Rod, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L9688	0.50–0.61	770	10	9
L9689	0.62–0.74	1,150	10	9
L9691	0.75–0.99	1,320	10	11
L9692	1.00–1.24	1,920	14	13
L9693	1.25–1.49	1,920	14	15
L9694	1.50–1.74	1,920	14	16
L9695	1.75–1.99	3,150	14	17
L9696	2.00–2.49	3,360	18	20
L9697	2.50–2.99	3,360	18	22
L9698	3.00–3.49	7,520	18	24
L9699	3.50–3.99	7,520	18	26

*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.

Locking Bale

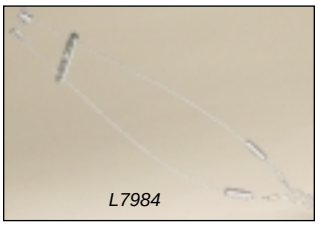


Support Grips—Bus-Drop S

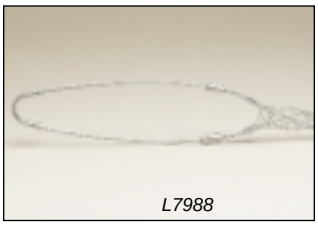
Bus-Drop Grips are used as cable support. They relieve any direct tension from the critical connection and absorb vibration and flexing. Bus-Drop Grips are woven of galvanized steel wire. They are offered with either locking bale or single eye attachments.

Locking Bale & Single Eye

CAT. NOS. SINGLE "U" EYE	CAT. NOS. LOCKING BALE	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*
L7981	**L7988**	.220–.320	1,100
L7982	**L7991**	.300–.430	1,100
L7983	**L7992**	.410–.560	1,100
L7984	**L7993**	.530–.730	1,800
L7985	**L7994**	.700–.850	1,900
L7986	**L7995**	.820–1.00	1,900
L7987	**L7996**	.960–1.25	1,900



Locking Bale



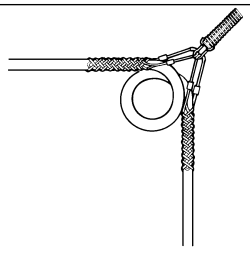
Single "U" Eye

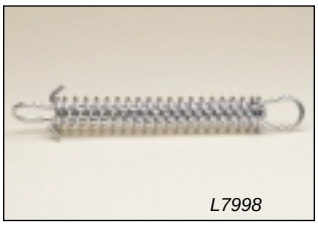
Support Grips—Bus-Drop Accessories S

Safety Springs are used with Bus-Drop Grips to relieve sudden strains on the cable system. To use with single eye-type grips, disassemble drawbar from coil, place through the eye and replace the drawbar.

Safety Springs

DESCRIPTION	CAT. NO.	LENGTH (INCHES)
Zinc Plated Max. Load 40 Lbs.	**L7997**	7.50
Zinc Plated Max. Load 80 Lbs.	**L7998**	8.50





Safety Spring

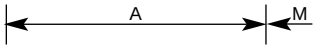
Support Hook

DESCRIPTION	CAT. NO.
3/8" Right Hand Wood Screw, Zinc Plated 4-1/2" Long	**L7980**

Support Grips—Fiber Optic Grips S

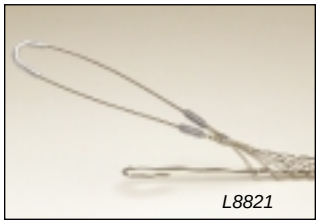
All Leviton *Fiber Optic Support Grips* are designed to wrap securely around fiber optic cable without damaging it. They are designed to reduce stress on cable in vertical, sloping, or horizontal positions. Single-eye or locking-bale style grips afford lasting support for a wide variety of applications where fiber optic cable is used.

Single Eye—closed mesh

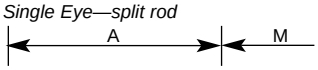


Single Eye, Closed Mesh, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L8807	.18–.25	300	3	1.7
L8808	.23–.32	300	3	2.5
L8809	.30–.39	300	4	2.5
L8811	.37–.48	300	5	4
L8812	.46–.58	400	6	4
L8813	.56–.71	600	7	5.5
L8814	.69–.88	800	8	6



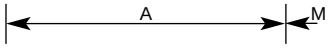
Single Eye—split rod



Single Eye, Split Rod, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L8815	.18–.25	300	3	2.5
L8816	.23–.32	300	3	2.5
L8817	.30–.39	300	4	2.5
L8818	.37–.48	300	5	4
L8819	.46–.58	400	6	5
L8821	.56–.71	600	7	5
L8822	.69–.88	800	8	6

Locking Bale



Locking Bale, Closed Mesh, Single Weave

CAT. NO.	CABLE DIA. RANGE (INCHES)	APPROX. BREAK STRENGTH*	LENGTH (INCHES) BALE (DIM. A)	LENGTH (INCHES) MESH (DIM. M)
L8823	.18–.25	300	9	2.5
L8824	.23–.36	300	9	2
L8825	.30–.39	300	9	2.5
L8826	.37–.48	300	10	4
L8827	.46–.58	400	10	4
L8828	.56–.71	600	10	5.5
L8829	.69–.88	800	10	6

*To determine workload safety factor, divide approximate break strength by 10. See page Q5 for strength information.

Surge Protective Devices

Leviton's Surge Protective Devices (SPD's) are designed to reduce the random energy surges of voltage transients and electrical noise on the power supply line. Volatile transients and noise are present in utility power lines, data networks, telephone lines, closed circuit and cable tv feeds, and any other power or control lines connected to electronic equipment.

Leviton's Surge Protective Devices can be used individually or as part of a coordinated application strategy, called Network Protection, to protect sensitive electronic equipment, in industrial, commercial and residential locations, from the stress and degradation inflicted by voltage transients. Leviton Surge Protective Devices are listed to UL 1449 Second Edition Standards.

INDUSTRIAL SURGE PROTECTIVE DEVICES

Overview ____ **R1**
Four-Outlet Plug-Ins ____ **R2**
5300 Series ____ **R2**
5200 Series ____ **R2**
5100 Series ____ **R2**
Plug Strips ____ **R3**
Wired-In Protective Modules ____ **R4**
Communication Protection Devices ____ **R4**
57000 Series Distribution Panel Mount Units ____ **R5**
57000 Series Replacement/Spare Modules ____ **R5**
Remote Supervisor ____ **R5**
52000 Series Branch Panel Mounts ____ **R6**
Remote Supervisor ____ **R6**
52000 Series Replacement/Spare Modules ____ **R6**
47000 Panel Mounts ____ **R7**
Multi-Phase Panel Protectors ____ **R8**
32000 Series for Branch Panels ____ **R8**
42000 Series for Branch Panels **R8, R9**
Equipment Cabinet SPD's ____ **R10**
3800 Series Panel Protectors ____ **R10**
Power Line Conditioners ____ **R11**
Cord Connected ____ **R11**
Hospital Grade UL 544 ____ **R11**
Hard-Wired ____ **R11**
SPD Duplex Receptacles ____ **R12**
SPD Four-In-One Receptacles ____ **R13**

COMMERCIAL SURGE PROTECTIVE DEVICES

Low Voltage and Data Line Modules (Stand-Alone and Stackable) ____ **R14**
Plug Strips ____ **R15**
Computer Grade Plug Strips ____ **R15**
Plug-In Surge Suppressors ____ **R15**
Power Control Center-Surge Protected ____ **R15**
Surge Counter: 51000-SMC ____ **R15**
19-Inch Rack-Mounts ____ **R16**

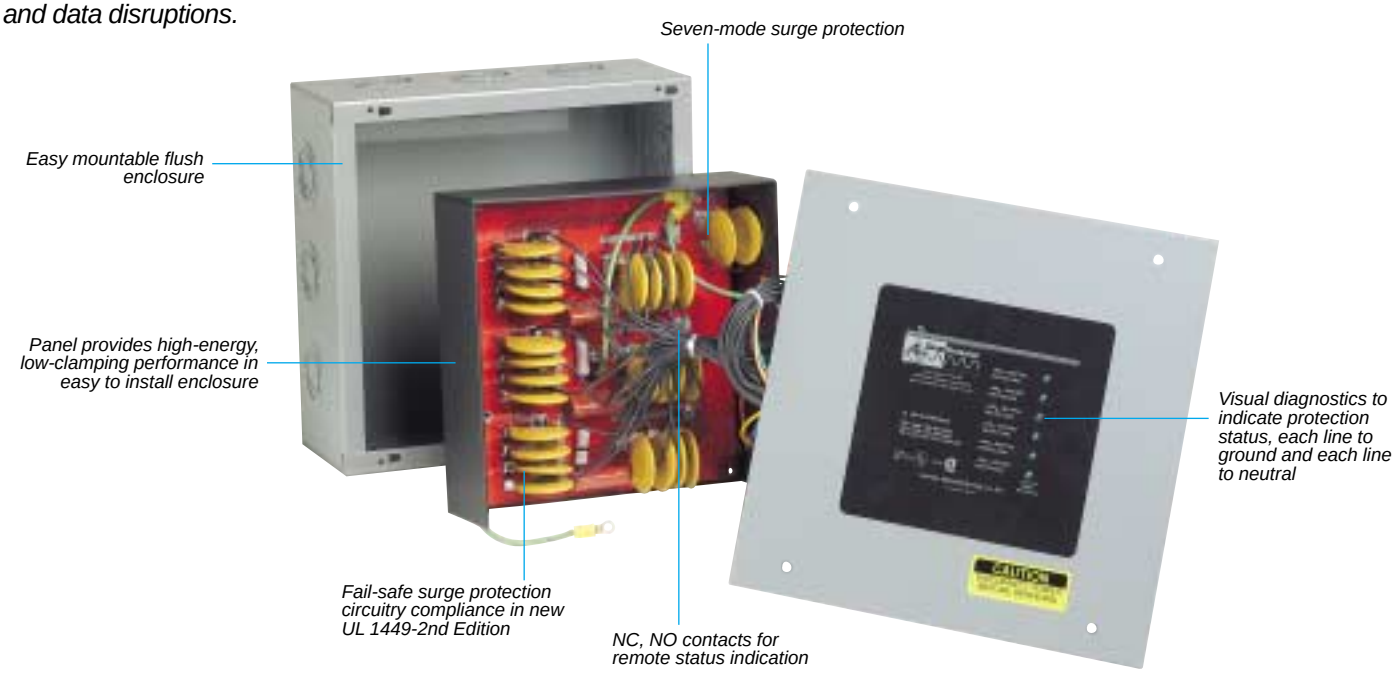
RESIDENTIAL SURGE PROTECTIVE DEVICES

Meter Socket Surge Adapter ____ **R17**
General Purpose Plug Strips and Plug-Ins ____ **R18**
51000 Series Branch Panel Mounts ____ **R18**
Modular Surge Protective Strips ____ **R19**

LEV-UPS™ UNINTERRUPTIBLE POWER SUPPLY DEVICES ____ **R20**

Surge Protective Devices

Leviton's outstanding Surge Protective Devices divert damaging voltage transients, or surges, away from electronic equipment. Transients are diverted away from sensitive microcircuitry, providing protection against catastrophic failure, costly downtime and data disruptions.



Cat. No. 47120 and 47277

A Wide Selection of SPD's to Protect Sensitive Electronic Microcircuitry at any Facility

Hospital Grade SPD Receptacle

Cost-efficient 3-level MOV protection for phase to neutral, phase to ground & neutral to ground.

Cat. No. 8280-IGB

Stand-Alone Low-Voltage SPD

Provides surge protection for low-voltage data and communications lines.

Cat. No. 5350-PT8

Plug Strips

Available in a variety of grades, its real time diagnostics monitor power and suppression status.

Cat. No. 5300-PS

Power Line Conditioners

Contains double-shielded isolation transformer with secondary across-the-line filter/surge protective circuit.

Cat. No. 500-LC

Panel Mounted

Provides complete protection on all phases even if one module fails; modular design allows easy replacement of modules. NC, NO contacts for remote status indication.

Cat. No. 57120-M3

Lev-UPS™

New product line offers the latest technology and features available in Uninterruptible Power Supply devices.

Cat. No. U1000-AKP

Four-In-One Receptacle

Replaces standard duplex receptacle with four surge protected receptacles. Provides 3-mode protection and LED indicator light.

Cat. No. 5480-B

Multi-Phase Panel Protector

Provides multiple-phase surge protection; 3-phase units are suitable for WYE and Delta AC systems. NC, NO contacts for remote status indication.

Cat. No. 32277-DY3

To learn more about Leviton's outstanding offering of devices visit our Website at: www.leviton.com ***....Building a Connected World***

Four-Outlet Plug-In Surge Protective Devices — 15 AMP 120V 50, 60 Hz AC

5300 Series

DESCRIPTION	CAT. NO.	COLOR	APPLICATION
Four-Outlet Maximum-Protection DPI	5300-P	Computer Beige	Point Of Sale Systems, computer terminals, digital electronic cash registers, PC's & peripherals, digital audio & video installations, microwave ovens, copy machines, digital scales & computer-controlled office equipment
Four-Outlet & Maximum-Protection DPI	5300-GP	Office Gray	Same as above
Two-Outlet Maximum-Protection DPI	5300-2P	Computer Beige	Same as above

5200 Series

DESCRIPTION	CAT. NO.	COLOR	APPLICATION
15A Four-Outlet Heavy-Duty DPI	5200-P	Computer Beige	PC's & peripherals, electronic cash registers, digital sound systems, video equipment & microwave ovens
15A Four-Outlet Heavy-Duty DPI	5200-GP	Office Gray	Same as above

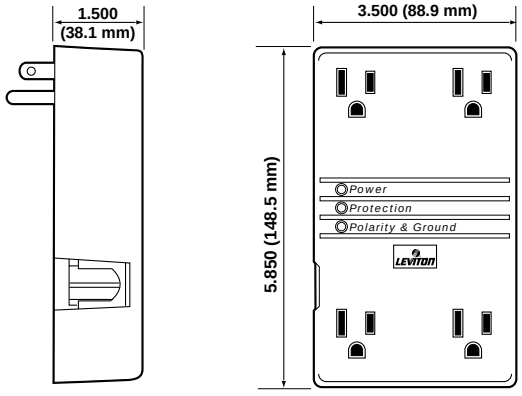
5100 Series

DESCRIPTION	CAT. NO.	COLOR	APPLICATION
15A Four-Outlet Heavy-Duty DPI	5100-P	Computer Beige	PC's & peripherals, electronic cash registers, digital sound systems, video equipment & microwave ovens
15A Four-Outlet Heavy-Duty DPI	5100-GP	Office Gray	Same as above

Clamping Performance

SPECIFICATION	5100	5200	5300
Max. single-pulse transient current (8x20µs, Amps peak)	26kA	39kA	52kA
Rated single-pulse transient energy (10x1000µs, Joules)	320 Joules	480 Joules	640 Joules
EMI/RFI noise rejection @ 50 Ohms 5kHz-100MHz	10-20dB	30-40dB	50-60dB
Cat. A ringwave (6kV, 200A,100kHz)	370V	230V	185V
Cat. B ringwave (6kV, 500A,100kHz)	420V	270V	210V
Cat B impulse (6kV, 3kA, 8x20µs)	490	370	310
UL 1449 ratings (8x20µs @ 500A) (L-N/L-G, N-G)	330/500/400V	330/400/400V	330/330/400V
Maximum continuous operating voltage	135V	135V	135V

All devices are UL Listed and CSA Certified.



Cat. No. 5300-P

5300-P

5100-GP

SPECIFICATIONS & FEATURES

- Connect directly to standard NEMA 5-15 wall receptacles
- Diagnostic LED's indicate power & protection status
- Three mode protection for Normal & Common protection: L-N,L-G, N-G
- On-board thermal fusing & overcurrent protection via resettable 15A breaker
- Filtration reduces high frequency noise
- Maximum continuous operating voltage

5300 Series

- Clamping profile tracks the AC sine wave for precise clamping & noise attenuation
- Superior voltage-smoothing helps minimize high-frequency noise
- Maximum line/load-side surge protection for attenuation of environmentally & peripherally-generated transients

5200 Series

- Precision Clamping & noise attenuation
- Higher-level voltage-smoothing for better noise reduction
- Line/load-side protection attenuates both environmentally & peripherally-generated transients

5100 Series

- Non-inductive design for compatibility with UPS & SPS or transformer systems
- Multi-component suppression circuitry

TESTING & CODE COMPLIANCE

- UL Listed Standard 1449
- Meets ANSI/IEEE C62.41 standards for both Categories A & B
- Lifetime Limited Downline Warranty for device & equipment plugged into it

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C
Storage Temperature: -35°C to 60°C

Surge Protective Devices

5300-PS

5300-HPS

SPECIFICATIONS & FEATURES

Plug Strips

- Available in Hospital Grade, Industrial Specification Grade, Commercial Specification Grade & General Purpose Classifications
- Clamping profile tightly tracks AC sine wave
- Real-time diagnostics monitor power & suppression status
- Six protected outlets
- If protection is lost, 5300 & 5200 – group Plug-Strip SPD's interrupt power to the protected load & cannot be reset, to assure the load will not be operated while vulnerable to transient voltage surges (except 5300-HPS)
- Resettable circuit breaker & internal fusing
- May be wall-mounted
- Equipped with a 6-foot, 14-3AWG power cord

TESTING & CODE COMPLIANCE

5300-HPS

- UL Listed 544 (File #118936)
- UL Listed (File Nos. #1449, 1363, 1283)
- CSA Certified (File #LR-94773)
- Meets ANSI/IEEE C62.41 standards for both Categories A & B

Plug Strips

- Lifetime Limited Downline Warranty for device & equipment plugged into it

MATERIAL CHARACTERISTICS

5100-PS, 5200-PS, 5300-PS
Operating Temperature: 0°C to 40°C
Storage Temperature: -35°C to 60°C

5300-HPS
Operating Temperature: 0°C to 60°C
Storage Temperature: -35°C to 60°C

5100-IPS, 5300-IPS, 5100-IS2
Operating Temperature:-10°C to 60°C
Storage Temperature: -35°C to 60°C

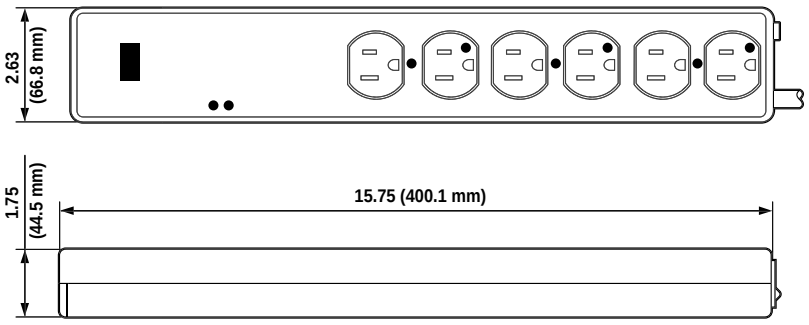
Plug Strips

DESCRIPTION	CAT. NO.	RATING	APPLICATION
6-Outlet Plug Strip w/ON/OFF Switch	5300-PS	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch, Office Gray	5300-GS	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch w/15 ft. Power Cord	5300-S15	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch w/15 ft. Power Cord, Office Gray	5300-G15	15A-120V AC	Data-sensitive operations
6-Outlet Plug Strip w/ON/OFF Switch	5300-PST	15A-120V AC	Telephone line/modem line protection
6-Outlet Plug Strip w/ON/OFF Switch, Office Gray	5300-GST	15A-120V AC	Telephone line/modem line protection
6-Outlet Plug Strip w/ON/OFF Switch	5300-PSC	15A-120V AC	CATV line surge protection
6-Outlet Plug Strip w/ON/OFF Switch, Office Gray	5300-GSC	15A-120V AC	CATV line surge protection
Hospital Grade 6-Outlet Plug Strip w/clear plug	5300-HPS	15A-120V AC	Continues to supply power to load if protection is lost
6-Outlet Plug Strip w/ON/OFF Switch	5300-IPS	15A-120V AC	Rugged aluminum housing for use in rough environments
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch	5200-PS	15A-120V AC	For microprocessor-based equipment
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF switch, Office Gray	5200-GS	15A-120V AC	For microprocessor-based equipment
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch, w/15 ft. Power Cord	5200-S15	15A-120V AC	For microprocessor-based equipment
Heavy-Duty 6-Outlet Plug Strip w/ON/OFF Switch, w/15 ft. Power Cord, Office Gray	5200-G15	15A-120V AC	For microprocessor-based equipment
General-Duty 6-Outlet Plug Strip	5100-PS	15A-120V AC	Compatible with UPS and SPS systems
General-Duty 6-Outlet Plug Strip, Office Gray	5100-GS	15A-120V AC	Compatible with UPS and SPS systems
General-Duty 6-Outlet Plug Strip, w/15 ft. Power Cord	5100-S15	15A-120V AC	Compatible with UPS and SPS systems
General-Duty 6-Outlet Plug Strip, w/15 ft. Power Cord, Office Gray	5100-G15	15A-120V AC	Compatible with UPS and SPS systems
General-Duty 6-Outlet Plug Strip	5100-IPS	15A-120V AC	Rugged aluminum housing for use in rough environments
General-Duty 6-Outlet Plug Strip	5100-IS2	20A-120V AC	Rugged aluminum housing for use in rough environments

Clamping Performance

SPECIFICATION	5100-PS	5200-PS	5300-PS Group
Max. single-pulse transient current (8x20µs, Amps peak)	26kA	39kA	52kA
Rated single-pulse transient energy (10x1000µs, Joules)	320 Joules	480 Joules	640 Joules
EMI/RFI noise rejection @ 50 Ohms 5kHz-100MHz	10-20dB	40-50dB	50-60dB
Cat. A ringwave (6kV, 200A,100kHz)	370V	230V	190V
Cat. B ringwave (6kV, 500A,100kHz)	420V	270V	210V
Cat B impulse (6kV, 3kA, 8x20µs)	490	370	310
UL 1449 ratings (8x20µs @ 3kA) (L-N/L-G, N-G)	330/500/400 330/500/330 for 5100-IPS only	330/400/330	330/330/330 400/400/400 for 5300-HPS only

All devices are UL Listed and CSA Certified.



Cat. No. 5300-HPS

Surge Protective Devices

Wired-In Surge Protective Modules

DESCRIPTION	CAT. NO.	RATING	UL 1449 2nd EDITION RATING
1 Phase 3-Wire	51020-WM	20A 120V AC	L-N: 330V
1 Phase 3-Wire, w/DIN-rail mounting	51020-DIN	20A 120V AC	L-G: 400V
1 Phase 3-Wire	51240-WM	20A 240V AC	L-L: 600V
1 Phase 3-Wire, w/DIN-rail mounting	51240-DIN	20A 240V AC	L-G: 600V

51020-DIN

Performance Specifications

SPECIFICATION	51020-WM, 51020-DIN	51240-WM, 51240-DIN
Max. single-pulse transient current (8x20µs, Amps peak)	L-N: 26kA L-G: 26kA	L-L: 26kA L-G: 26kA
Rated single-pulse transient energy (10x1000µs, Joules)	L-N: 300J L-G: 320J	L-L: 540J L-G: 560J
Noise rejection @ 50 Ohms 5kHz to 100MHz	-40 TO -50 Normal and Common Mode	-40 TO -50 Normal and Common Mode
Operating Frequency Range	50, 60Hz	50, 60Hz

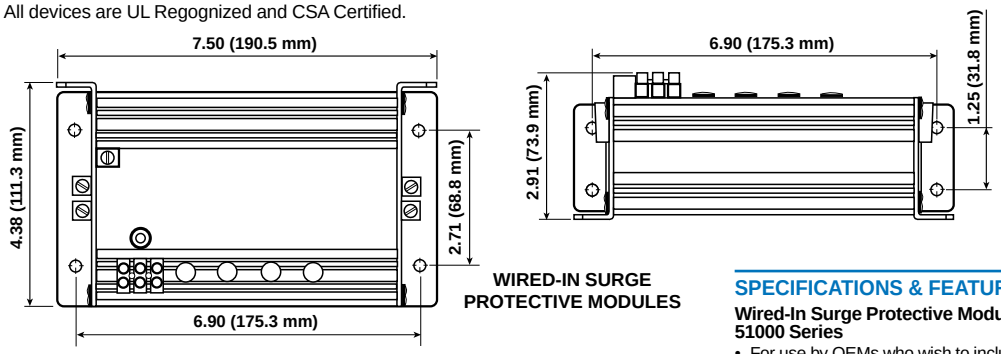
Communication Protection Modules — Low Voltage

DESCRIPTION	CAT. NO.	RATING	APPLICATION
For communication lines in factory automation; protects robotics, PLC's & I.O.devices	3803-DHP	9.6V DC	Surge suppression for programmable logic devices & other computer-related data network products operating on "Blue Hose" networks
For communication lines in factory automation; protects robotics, PLC's & I.O. devices	3803-485	9.6V DC	Surge suppression for programmable logic devices & other computer-related data network products operating on Allen-Bradley DH-485 data networks
Four 20µa loop signal protectors	3420-009	9V DC	Protects I/O ports utilizing 4-20ma loop signal controls
Four 20µa loop signal protectors	3420-035	35V DC	Protects I/O ports utilizing 4-20ma loop signal controls

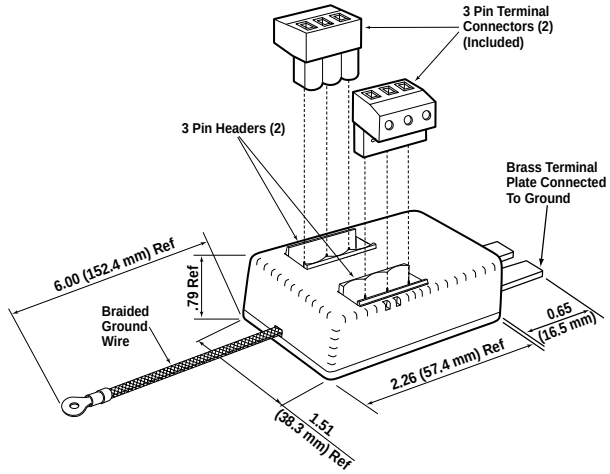
*The Rockwell Automation Encompass Program references complementary products from third party manufacturers committed to providing quality products and services that enhance the Rockwell Automation Solution products and solve the industrial automation needs of mutual customers.

All devices are UL Regognized and CSA Certified.

3803-DHP



WIRED-IN SURGE PROTECTIVE MODULES



CAT. NO. 3803-DHP

Note: See your Leviton representative for a complete listing of Low-Voltage Communication Protection modules for factory automation and industrial control applications.

SPECIFICATIONS & FEATURES

Wired-In Surge Protective Modules: 51000 Series

- For use by OEMs who wish to include 120/240V surge protection as an equipment feature
- Available with DIN-rail mounting
- Provides surge protection to branch circuits
- Staged multi-component surge suppression circuitry provides clamping envelope that follows AC sine-wave contour
- Primary and secondary suppression circuits are automatic resettable fuse protected
- Diagnostic circuitry, with LEDs, to indicate surge protection status & acoustic alert if surge protection is lost
- If surge protection is lost, power is still provided to load until SPD module is replaced

3803 Series

- For use on Allen Bradley & "Blue Hose" devices
- CE Approved
- Two options for ground connection
- Low clamping voltage
- Withstands surges by programmable logic devices in harsh electromagnetic or geographic areas

TESTING & CODE COMPLIANCE

51000 Series

- Recognized to UL Standard 1449
- CSA Certified
- Backed by a Limited Five-Year Warranty

3803 Series

- UL 497B tested
- IEEE C62.36 tested
- CE approved
- Backed by a Limited Five-Year Warranty

MATERIAL CHARACTERISTICS

51020-WM, 51240-WM

Operating Temperature: -40°C to 70°C
Storage Temperature: -20°C to 85°C

3803 Series

Operating Temperature: -10°C to 60°C
Storage Temperature: -40°C to 90°C

Surge Protective Devices

57120-M3

57120-M3S

57000 Series Distribution Panel Mounts

DESCRIPTION	CAT. NO.	RATING	MODULE
3-Phase WYE, 4-Wire & Ground	57120-M3	120/208V AC	120
3-Phase WYE 7-Mode, integral disconnect, 4-Wire & Ground	57120-M3S	120/208V AC	120-M3S
3-Phase WYE, 4-Wire & Ground	57220-IM3	220/380V AC	220
3-Phase Delta, 3-Wire & Ground	57240-DM3	240V AC	7240
3-Phase WYE, 4-Wire & Ground	57277-M3	277/480V AC	7277
3-Phase WYE 7-Mode, Iintegral Disconnect, 4-Wire & Ground	57277-M3S	277/480V AC	7277-M3S
3-Phase WYE, 4-Wire & Ground	57346-M3	346/600V AC	7346
3-Phase Delta, 3-Wire & Ground	57480-DM3	480V AC	7480
3-Phase Delta, 3-Wire & Ground	57600-DM3	600V AC	7600

57000 Series Replacement/Spare Modules

DESCRIPTION	CAT. NO.	RATING	JOULES	NOISE REJECTION dB
1 Phase	120	120V AC	2000	-20 to -40
1 Phase	220	220V AC	3000	-20 to -40
1 Phase	7240	240V AC	3000	-20 to -40
1 Phase	7277	277V AC	4200	-20 to -40
1 Phase	7346	346V AC	5200	-20 to -40
1 Phase	7480	480V AC	8000	-20 to -40
1 Phase	7600	600V AC	9400	-20 to -40

Clamping Performance

CAT. NO.	RATING	MAX. CONTINUOUS OPERATING VOLTAGE (MCOV)	UL 1449 RATING (L-N) 2nd EDITION	CLAMP VOLTAGE (V PEAK CAT. B3, C62.41) 6kV-1.2X 50µs, 3kA-8x20µs
120	120V	150V	400V	425V
120-M3S	120V	150V	L-N:400V	425V
220	220V	250V	600V	675V
7240	240V	250V	700V L-L	675V L-L
7277	277V	320V	800V	850V
7277-M3S	277V	320V	800V	850V
7346	346V	385V	1000V	1050V
7480	480V	550V	1500V L-L	1400V L-L
7600	600V	680V	1800V L-L	1700V L-L

Remote Supervisor

DESCRIPTION	CAT. NO.
Remote Supervisor	52000-RS

All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES

57000 Series

- For installation at main distribution panels
- Hybrid suppression circuitry with built-in redundancy provides complete protection on all phases even if one module fails
- Modular design allows easy replacement of modules with the use of tools & without the need to shut down AC system power
- Provides Normal Mode (phase to neutral) & Common Mode (neutral to ground) protection for WYE-configured 3-phase AC systems
- Dry contacts for remote monitoring
- "Series connection" parallel operated (Kelvin/feed-through) rated for 100 Amps maximum continuous line current using #3 AWG conductors
- Optically coupled remote-monitoring port allows use of the optional Remote Supervisor (Cat. No. 52000-RS)
- Dual-stage fuse protection for primary & secondary surge suppression circuits
- Housed in NEMA-12 case with hinged cover, surface or flush mountable
- Noise rejection -20 to -40dB

Remote Supervisor

- For use with any Cat. No. 57000 or 52000 panel-mounted SPD
- Monitors up to 6 (series alarm daisy-chained) panel-mounted SPDs
- Single key-hole surface mounting using just 2 screws
- Annunciator light shows steady GREEN when monitored panel-mounted SPDs are normal, & FLASHING RED in case of protection failure or power interruption
- 75dB acoustic beep tone draws attention to a potential failure
- Jack provided for simple connection to input port via #20 to #22 two-conductor twisted pair, with a wire run up to 5,000 ft. in length

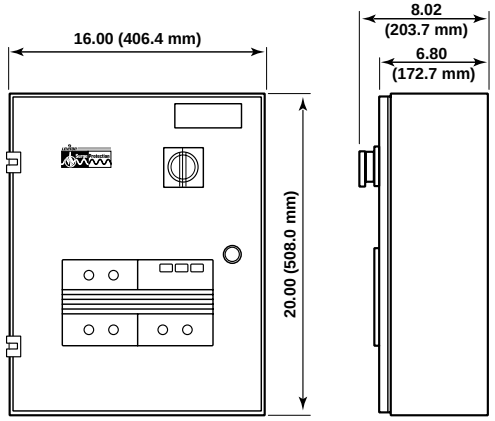
TESTING & CODE COMPLIANCE

57000 Series

- UL 1449 Listed (File #E-146315)
- CSA Certified
- 200 kA rated (M3S versions rated 100kA)
- Meets ANSI/IEEE C62.41 requirements for Categories A, B, C
- UL 945-V flame retardant thermoplastic
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C
Storage Temperature: -20°C to 85°C



Cat. No. 57120-M3S

52000 Series Branch Panel Mounts

DESCRIPTION	CAT. NO.	RATING	MODULE
1 Phase, 2-Wire & Ground	52120-M1	120V AC	2120
1 Phase, 3-Wire & Ground	52120-M2	120/240V AC	2120
3 Phase, 4-Wire & Ground	52120-M3	120/208V AC	2120
3 Phase (International)	52220-IM3	220/380V AC	2220
3 Phase Delta, 3-Wire & Ground	52240-DM3	240V AC	2240
3 Phase WYE, 4-Wire & Ground	52277-M3	277/480V AC	2277
3 Phase Delta, 3-Wire & Ground	52480-DM3	480V AC	2480

Module Data: 52000 Series

CAT. NO.	RATED SINGLE PULSE TRANSIENT ENERGY JOULES (8x20µs)	MAX. SINGLE PULSE TRANSIENT CURRENT (8x20µs, AMPS PEAK) L-N/N-G	NOISE REJECTION @ 50 OHMS 5k-100MHz dB
2120	1,900	100kA/50kA	-20 to -40
2220	2,940	100kA/50kA	-20 to -40
2240	2,940	100kA/50kA	-20 to -40
2277	4,200	100kA/50kA	-20 to -40
2480	8,000	100kA/50kA	-20 to -40

Module Clamping Performance: 52000 Series

CAT. NO.	RATING	MAX. CONTINUOUS OPERATING VOLTAGE (MCOV)	UL 1449 RATING (L-N) 2nd EDITION	CLAMP VOLTAGE (V PEAK CAT. B3, C62.41) 6kV-1.2x50µs, 3kA-8x20µs
2120	120V	150V	400V	450V
2220	220V	250V	600V	725V
2240	240V	250V	600V L-L	725V L-L
2277	277V	320V	800V	925V
2480	480V	550V	1500V	1600V

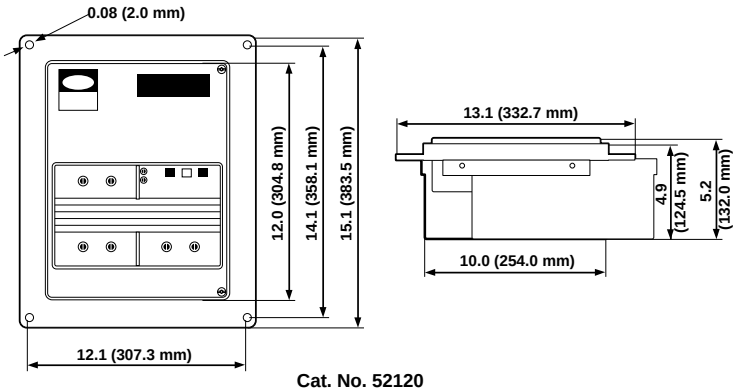
Remote Supervisor

DESCRIPTION	CAT. NO.
Remote Supervisor	52000-RS

52000 Series Replacement/Spare Modules

CAT. NO.	RATING
2120	120V AC
2220	220V AC
2240	240V AC
2277	277V AC
2480	480V AC

All devices are UL Listed and CSA Certified.



Cat. No. 52120

52120-M1

52480-DM3

SPECIFICATIONS & FEATURES

52000 Series

- For installation at branch panels for protection in industrial & commercial facilities
- Hybrid suppression circuitry
- Clamping envelope tracks contour of the AC sine wave
- Modular design allows easy replacement of modules without use of tools or the need to shut down the AC system
- Real-time diagnostics monitor power & suppression status for each phase & allow use of optional Remote Supervisor
- Dry contacts for remote monitoring
- Provides Normal Mode (phase to neutral) & Common Mode (neutral to ground) protection for WYE-configured 3-phase AC systems
- "Series connection" (Kelvin/feed-through) rated for 100 Amps maximum continuous line current using #3 AWG conductors
- Fuse protection for each module
- Housed in NEMA-12 case hinged cover, surface or flush mountable

TESTING & CODE COMPLIANCE

52000 Series

- UL 1449 Listed
- CSA Certified
- Meets ANSI/IEEE C62.41 requirements for Categories A, B, C
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C
Storage Temperatire: -20°C to 85°C

47120-007

47120-4X7

SPECIFICATIONS & FEATURES

47000 Series

- Provides low-clamping, high surge current capability
- Verifies fail-safe conditions for MOVs under steady-state overvoltage
- 200 kA rated per mode
- Parallel wired to facilitate connection to any service ampacity
- Provides Normal Mode (phase to neutral) & Common Mode (neutral to ground) protection for WYE-configured 3-phase AC systems
- Available with NEMA Type 4X enclosure for outdoor/uncontrolled environments

TESTING & CODE COMPLIANCE

47000 Series

- UL 1449 Listed
- UL 1283 for EMI Filters
- Meets IEEE C62.45 requirements for Categories A, B, C
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C
Storage Temperatire: -20°C to 85°C

47000 Panel Mount Surge Protective Devices

DESCRIPTION	CAT. NO.	RATING
7-Mode Panel Mount	47120-007	120/208V 3ØWYE
7-Mode Panel Mount w/NEMA 4X Enclosure	47120-4X7	120/208V 3ØWYE
7-Mode Panel Mount	47277-007	277/480V 3ØWYE
7-Mode Panel Mount w/NEMA 4X Enclosure	47277-4X7	277/480V 3ØWYE

Module Clamping Performance: Cat. Nos. 47120-007,47120-4X7

CLAMPING PERFORMANCE	LINE-TO-NEUTRAL	LINE-TO-GROUND	NEUTRAL-TO-GROUND
UL1449 (2nd Ed.) Impulse 6kv/500A	330V	400V	330V
IEEE Cat. B3 Impulse 6kv/3kA	370V	370V	390V
IEEE Cat. B3 Ringwave 6kv/500A	325V	340V	325V

Module Clamping Performance: Cat. Nos. 47277-007,47277-4X7

CLAMPING PERFORMANCE	LINE-TO-NEUTRAL	LINE-TO-GROUND	NEUTRAL-TO-GROUND
UL1449 (2nd Ed.) Impulse 6kv/500A	700	800V	700V
IEEE Cat. B3 Impulse 6kv/3kA	750V	755V	740V
IEEE Cat. B3 Ringwave 6kv/500A	545V	690V	655V

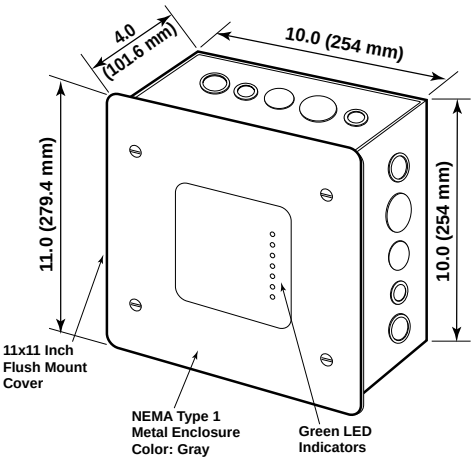
Energy Capacity: Cat. Nos. 47120-007,47120-4X7

MODE	MAXIMUM SURGE CURRENT (test with 8x20µs wave)	SINGLE PULSE TRANSIENT ENERGY IN JOULES (10x1000)
Line-to-Neutral	200,000 A	1440
Line-to-Ground	200,000 A	1440
Neutral-to-Ground	100,000 A	720

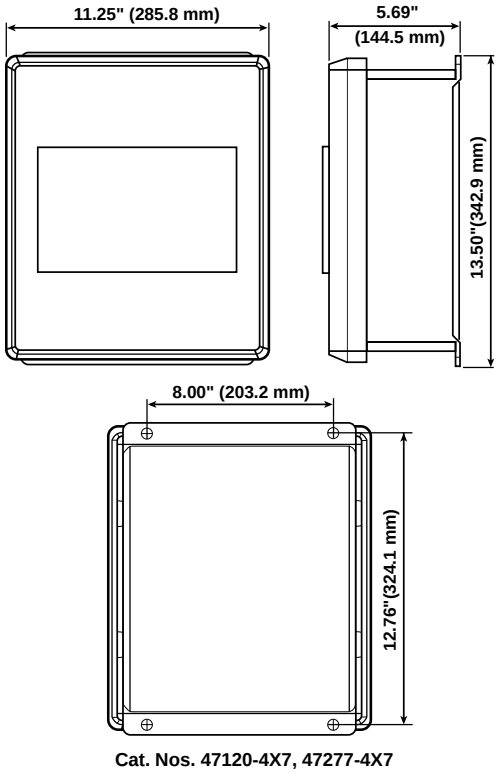
Energy Capacity: Cat. Nos. 47277-007,47277-4X7

MODE	MAXIMUM SURGE CURRENT (test with 8x20µs wave)	SINGLE PULSE TRANSIENT ENERGY IN JOULES (10x1000)
Line-to-Neutral	200,000 A	2560
Line-to-Ground	200,000 A	2560
Neutral-to-Ground	100,000 A	1280

All devices are UL Listed and CSA Certified.



Cat. Nos. 47120-007, 47277-007



Cat. Nos. 47120-4X7, 47277-4X7

Multi-Phase Panel Protectors

32000 Series for Branch Panels

RATING	CAT. NO.
120/240V AC Single Phase	32120-001
120/208V AC 3-Phase WYE **220V AC 3-Phase Delta**	32120-DY3
277/480V AC 3-phase WYE **220/380V AC 3-Phase WYE** **240V AC 3-Phase Delta** **480V AC 3-Phase Delta**	32277-DY3
347/600V AC 3-Phase WYE Delta	32347-DY3
120/240V AC Hi-Leg Split Phase Delta	32412-DS3

Note: 32000 noise rejection is 20dB to 30dB (DHC power line carrier compatible).

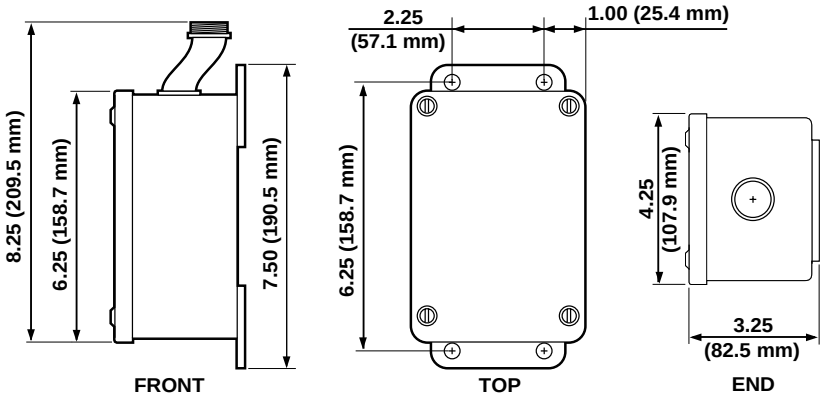
42000 Series for Branch Panels

RATING	CAT. NO.
120/240V AC Single Phase	42120-001
120/208V AC 3-Phase WYE **220V AC 3-Phase Delta**	42120-DY3
277/480V AC 3-Phase WYE **220/380V AC 3-Phase WYE** **240V AC 3-Phase Delta** **480V AC 3-Phase Delta**	42277-DY3
347/600V AC 3-Phase Wye Delta	42347-DY3
120/240V AC Hi-Leg Split-Phase Delta	42412-DS3

Note: 42000 noise rejection is 30dB to 40dB.

Performance Specifications: 32000 and 42000 Series

SPECIFICATION	32120-001 42120-001	32120-DY3 42120-DY3	32277-DY3 42277-DY3	32347-DY3 42347-DY3	32412-DS3 42412-DS3
Modes protected	L-N/L-L/N-G	L-N/L-L/N-G	L-N/L-L/N-G	L-N/L-L/N-G	L-L/HiL-G L-N(CT)/HiL-N
Operating frequency range	50, 60Hz	50, 60Hz	50, 60Hz	50, 60Hz	50, 60Hz
Rated L-N voltage	120V	120V	277V	347V	120V
Max. cont. L-N voltage	150V	150V	320V	420V	150V
Max. cont. L-L voltage	270V	270V	540V	660V	250V
Max. transient current (8x20µs single pulse) NM/CM per phase	80kA	80kA	80kA	80kA	80kA
Max. transient energy (8x20µs waveform) per phase	950 Joules	950 Joules	3450 Joules	4100 Joules	2030 Joules
SPD circuit connection	high-energy parallel	high-energy parallel	high-energy parallel	high-energy parallel	high-energy parallel
Connection means	hard wired w/leads	hard wired w/leads	hard wired w/leads	hard wired w/leads	hard wired w/wheels
Fusing	internal	internal	internal	internal	internal
Phases protected	one	three	three	three	three



Cat. No. 32000 Series

32000

42000

SPECIFICATIONS & FEATURES

32000 & 42000 Series

- Provide multiple-phase surge protection in commercial & industrial environments
- Compact design permits close installation to panel & provides a short parallel suppression path
- 3-phase units are suitable for WYE & Delta AC systems
- Easily surface-mounted or flush mountable with use of flush collar accessory 42001 FMC
- Real-time diagnostics monitor power & surge suppression status of each phase by means of indicator light & acoustic alarm
- Equipped with normally open/normally closed dry contacts rated 5 Amps 120/240V AC via 3 color-coded AWG leads rated 600V AC for remote monitoring

TESTING & CODE COMPLIANCE

32000 & 42000 Series

- Listed to UL Standard 1449 (Indoor & Outdoor-3R-Rated)
- CSA Certified
- Meets ANSI/IEEE C62.41 Standards for Categories A, B, C
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

32000 & 42000 Series

Operating Temperature: -10°C to 60°C
Storage Temperature: -20°C to 85°C

Clamping Performance: 32000 and 42000 Series

SPECIFICATION	32120-001 42120-001	32120-DY3 42120-DY3	32277-DY3 42277-DY3	32347-DY3 42347-DY3	32412-DS3 42412-DS3
Cat. B3 combination wave (8x20µs) peak clamping voltage	L-N: 532V L-L: 832V N-G: 514V	L-N: 532V L-L: 832V N-G: 514V	L-N: 996V L-L: 1570V N-G: 920V	L-N: 1100V L-L: 2200V N-G: 1100V	L-L: 925V HiL-G: 1250V L-N(CT): 520V HiL-N: 725V
UL 1449 ratings @ 500A with 6" lead length	L-N: 500V L-L: 700V N-G: 500V	L-N: 500V L-L: 700V N-G: 500V	L-N: 900V L-L: 1500V N-G: 800V	L-N: 1200V L-L: 2000V N-G: 1000V	L-L: 800V HiL-G: 1000V L-N(CT): 400V HiL-N: 700V

EMI/RFI Noise Rejection: 32000 — *Data for Normal Mode and (Common Mode)*

SPECIFICATION	32120-001	32120-DY3	32277-DY3	32347-DY3	32412-DS3
Evaluation bandwidth	10KHz–10MHz	10KHz–10MHz	10KHz–10MHz	10KHz–10MHz	10KHz–10MHz
Noise rejection at 50 Ohms	20–30dB (20–30dB)	20–30dB (20–30dB)	20–30dB (20–30dB)	20–30dB (20–30dB)	20–30dB (20–30dB)

Note: 32000 noise rejection is -20dB to -30dB (DHC power line carrier compatible).

EMI/RFI Noise Rejection: 42000 Series — *Data for Normal Mode and (Common Mode)*

SPECIFICATION	42120-001	42120-DY3	42277-DY3	42347-DY3	42412-DS3
Evaluation bandwidth	10KHz–10MHz	10KHz–10MHz	10KHz–10MHz	10KHz–10MHz	10KHz–10MHz
Noise rejection at 50 Ohms	30–40dB (30–40dB)	30–40dB (30–40dB)	30–40dB (30–40dB)	30–40dB (30–40dB)	30–40dB (30–40dB)

SPECIFICATIONS & FEATURES

42000 Series

- Provide multiple-phase surge protection in commercial & industrial environments
- Compact design permits close installation to panel & provides a short parallel suppression path
- 3-phase units are suitable for WYE & Delta AC systems
- Easily surface-mounted or flush mountable with use of flush collar accessory 42001 FMC
- Real-time diagnostics monitor power & surge suppression status of each phase by means of indicator light & acoustic alarm
- Equipped with normally open/normally closed dry contacts rated 5 Amps 120/240V AC via 3 color-coded AWG leads rated 600V AC for remote monitoring

TESTING & CODE COMPLIANCE

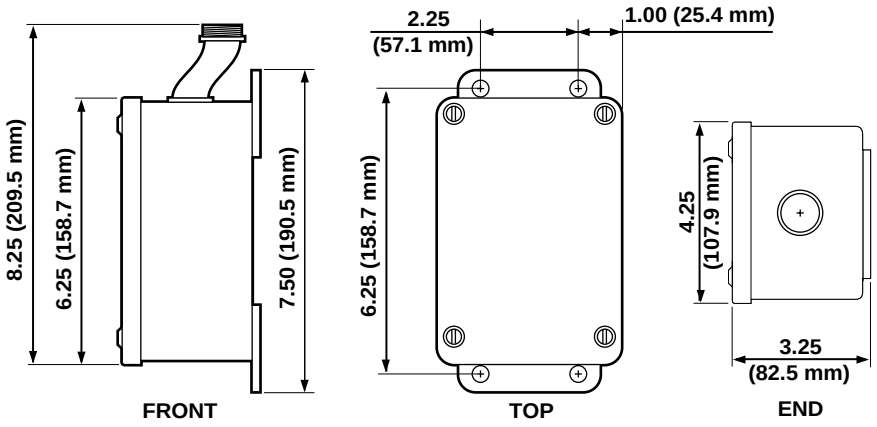
42000 Series

- Listed to UL Standard 1449 (Indoor & Outdoor-3R-Rated)
- CSA Certified
- Meets ANSI/IEEE C62.41 Standards for Categories A, B, C
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

42000 Series

Operating Temperature: -10°C to 60°C
Storage Temperature: -20°C to 85°C



Cat. No. 42000 Series

Equipment Cabinet SPD's — 3800 Series Panel Protectors

Description–DC Modules	Cat. No.	MCOV†	(+) to (-) CLAMPING
12V DC, DIN Rail Mounting w/Terminal Block	3812-DIN	13.2V DC	17V Peak
12V DC w/Terminal Block	3812-OWM	13.2V DC	17V Peak
12V DC w/6" Pigtail Leads	3812-OEM	13.2V DC	17V Peak
24V DC, DIN Rail Mounting w/Terminal Block	3824-DIN	26.4V DC	33V Peak
24V DC w/Terminal Block	3824-OWM	26.4V DC	33V Peak
24V DC w/6" Pigtail Leads	3824-OEM	26.4V DC	33V Peak
48V DC, DIN Rail Mounting w/Terminal Block	3848-DIN	52.8V DC	70V Peak
48V DC w/Terminal Block	3848-OWM	52.8V DC	70V Peak
48V DC w/6" Pigtail Leads	3848-OEM	52.8V DC	70V Peak

Note: For all DC Modules, the Maximum Surge Current is I0A.

DESCRIPTION–AC MODULES	CAT. NO.	NOMINAL RATING
DIN Rail Mounting w/Terminal Block	3800-DIN	120V AC
Terminal Block	3800-OWM	120V AC
6" Pigtail Leads	3800-OEM	120V AC
DIN Rail Mounting w/Terminal Block	3840-DIN	240V AC
Terminal Block	3840-OWM	240V AC
6" Pigtail Leads	3840-OEM	240V AC

AC Module General Data

SPECIFICATION	CAT.NO. 3800	CAT.NO. 3840
Rated line voltage	120V (VRMS)	240V (VRMS)
Maximum continuous operating voltage	135V	250V
Max. single-pulse transient current (8x20µs, Amps peak)	13000A (L-N) 6500A (L-G) 6500A (N-G)	13000A (L-N) 6500A (L-G) 6500A (N-G)
Rated single-pulse transient energy (10x1000µs, impulse)	280 Joules	280 Joules
Noise rejection @ 5kHz-5MHz	-35dB	-35dB

AC Module Clamping Performance

SPECIFICATION	CAT.NO. 3800	CAT.NO. 3840
UL Standard 1449 permanently-wired test (8x20µs, 3000A)	L-N: 500V Peak L-G: 500V Peak N-G: 500V Peak	L-L: 700V Peak L-N: 330V Peak L-G: 400V Peak N-G: 330V Peak

Consult factory for detailed performance data for other models. †Maximum Continuous Operating Voltage
All devices are UL Recognized and CSA Certified.

3840-DIN

3800-OWM

SPECIFICATIONS & FEATURES

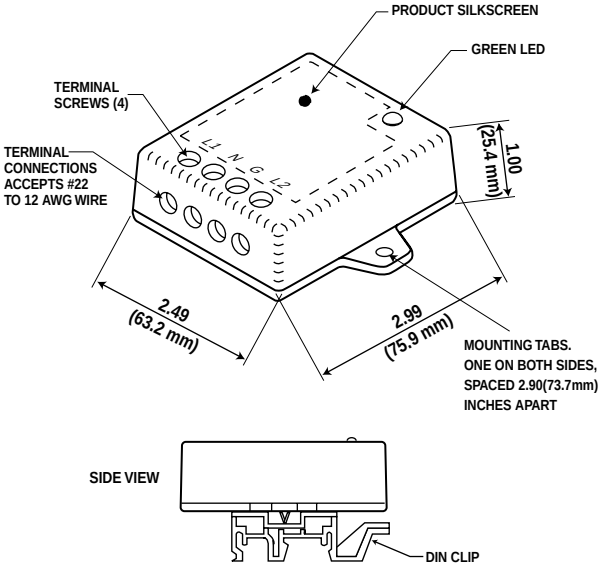
- Mounts on standard equipment cabinets, compact "black box" styling coordinates with other mounted equipment
- MOV-based suppression circuitry provides optimum clamping
- 3-module choice: either DIN-rail mounting, terminal block wiring, or wire leads

TESTING & CODE COMPLIANCE

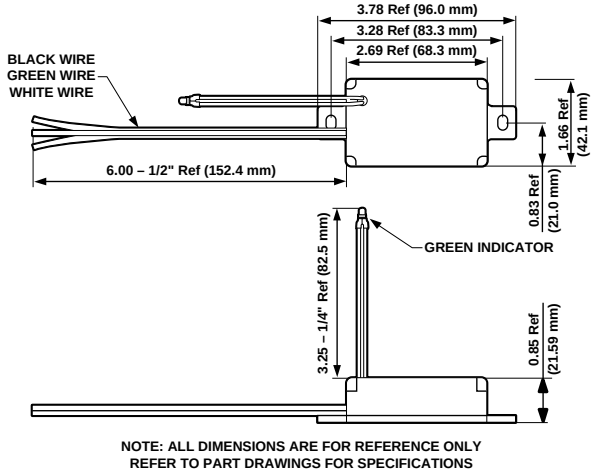
- Recognized to UL Standard 1449
- CSA Certified
- Backed by a Limited Five-Year Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C
Storage Temperature: -20°C to 85°C



Cat. No. 3840-DIN



NOTE: ALL DIMENSIONS ARE FOR REFERENCE ONLY
REFER TO PART DRAWINGS FOR SPECIFICATIONS

Cat. No. 3848-OEM

Surge Protective Devices

1000-HLC

500-LC

Cord-Connected Power Line Conditioners

CAT. NO.	INPUT 60 HZ VOLTAGE	INPUT 60 HZ CURRENT	OUTPUT 60 HZ VOLTAGE	OUTPUT 60 HZ CURRENT
500-LC	120	5.3A	120	5.0A
830-LC	120	8.3A	120	8.3A
1000-LC	120	10.5A	120	10.0A
1200-LC	120	13.0A	120	12.0A
1600-LC	120	17.3A	120	16.0A
2000-LC	120	21.7A	120	20.0A

Hospital Grade UL 544 Power Line Conditioners

CAT. NO.	INPUT 60 HZ VOLTAGE	INPUT 60 HZ CURRENT	OUTPUT 60 HZ VOLTAGE	OUTPUT 60 HZ CURRENT
300-HLC	120	3.3A	120	3.0A
500-HLC	120	5.3A	120	5.0A
1000-HLC	120	10.5A	120	10.0A

Hard-Wired Power Line Conditioners

CAT. NO.	INPUT 60 HZ VOLTAGE	INPUT 60 HZ CURRENT	OUTPUT 60 HZ VOLTAGE	OUTPUT 60 HZ CURRENT
500-WLC	120	5.3A	120	5.0A
1200-WLC	120	13.0A	120	12.0A
2000-WLC	120	21.7A	120	20.0A

All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES

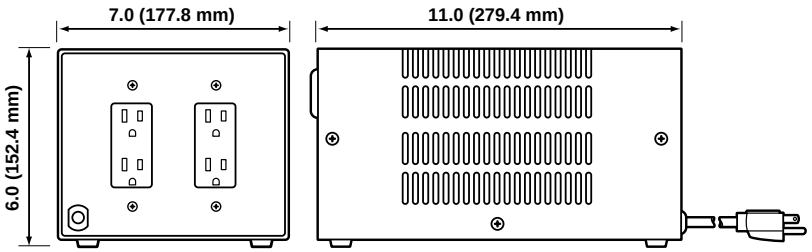
- For use with business personal computers & computer peripherals, such as printers, disc drives, modems, fax machines, cash registers, telecommunications systems, file servers & computer terminals
- Contain double-shielded isolation transformer with secondary across the line filter/surge protective circuit
- Filter high frequency noise
- Available in single phase models from 600 VA to 2500 VA
- Equipped with 6-ft. line cord
- Cord-Connected, Hard-Wired & Hospital Grade UL 544 available
- Normal & common mode surge suppression

TESTING & CODE COMPLIANCE

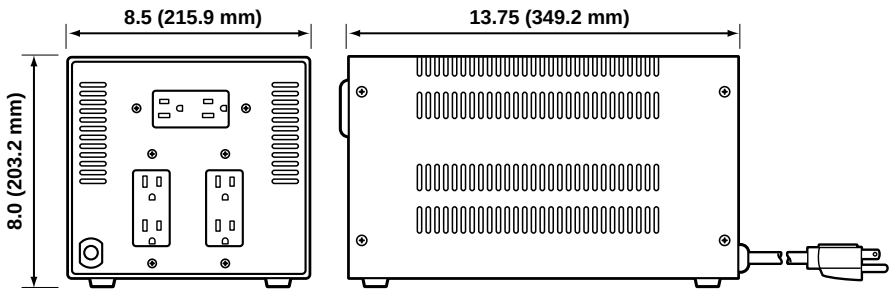
- UL Listed 1449; UL Listed 497A (5400-TLS)
- Meets ANSI/IEEE C62.41 requirements for Category A & B
- Backed by a Limited Five-Year Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C
Storage Temperature: -20°C to 85°C



Cat. No. 500-WLC



Cat. No. 2000-LC

Surge Protective Devices

Hospital Grade Surge Protective Receptacles — 120V

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
15A Duplex	8280	B, I, W, R, A
20A Duplex	8380	B, I, W, GY, R
20A Single	8381	I, W, GY, R

Hospital Grade Isolated Ground Surge Protective Receptacles — 120V

DESCRIPTION	CAT. NO.	COLOR* *Brown Not Available*
15A Duplex	8280-IG	B, O, I, W, G, A
15A Single	8281-IG	O, I, W, A,
20A Duplex	8380-IG	B, O, I, W, G, R
20A Single	8381-IG	B, O, I, W

Industrial Grade Surge Protective Receptacles — 120V

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
15A Duplex	5280	B, I, W, GY, A
20A Duplex	5380	B, I, W, GY

Industrial Grade Isolated Ground Surge Protective Receptacles — 120V

DESCRIPTION	CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
15A Duplex	5280-IG	O, I, W, G, A, B
20A Duplex	5380-IG	O, I, W, G, B

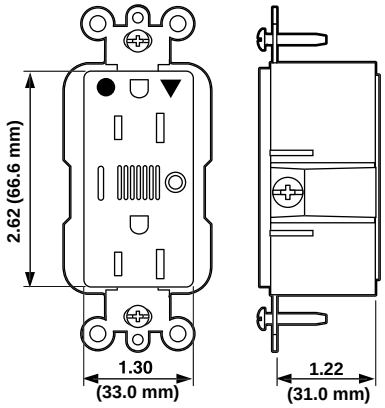
General Data

SPECIFICATION	DATA APPLICABLE TO ALL
Rated line voltage	120V (VRMS)
Max. continuous operating voltage	150V
Max. single-pulse transient current (8x20µs, Amps peak)	24000A (L-N) 12000A (L-G) 12000A (N-G)
Rated single-pulse transient energy (10x1000µs, impulse)	320 Joules
Noise rejection @ 5kHz-5MHz	-35dB

Clamping Performance

SPECIFICATION	DATA APPLICABLE TO ALL
UL Standard 1449 (2nd Edition) permanently-wired test (8x20µs, 3000A)	(L-N): 400V Peak (L-G): 400V Peak (N-G): 400V Peak

All devices are UL Listed and CSA Certified.



HOSPITAL GRADE SPD
Cat. No. 8280-IG

8280-R

8381-I

SPECIFICATIONS & FEATURES

- Provides hard-wired point-of use surge protection for electronic equipment in industrial, commercial and residential applications
- 3-Level surge protection for phase to neutral, phase to ground and neutral to ground
- All receptacles are back and side wired
- Hospital Grade versions (indicated by green dot on receptacle face) are suitable for high-abuse health care, industrial and commercial applications
- Isolated Ground versions (indicated by orange color or orange triangle on receptacle face) provide a pure ground path for use with isolated grounding systems
- Monitor/Indicator LED is ON continuously when protection is active and OFF when protection circuit is deactivated due to excessive transients
- Hospital Grade devices also provide an audible tone alert that sounds if protection is lost
- EMI/RFI filtering
- Decora styling complements any interior and coordinates with Leviton's popular line of Decora devices

TESTING & CODE COMPLIANCE

- UL Listed Standard 1449 (2nd Edition)
- Meets ANSI/IEEE C62.41 standards for both Categories A & B
- All SPD receptacles are backed by a Limited 10-Year Warranty

*COLOR

Basic Cat. Nos. shown above denote Brown device, except Hospital Grade IG devices not available in Brown. Colors available as listed above, add suffix to basic catalog numbers as follows: Blue (-B), Orange (-O), Ivory (-I), White (-W), Gray (-G or -GY), Red (-R), Almond (-A).

8490-IGB

Four-In-One Surge Protective Receptacles — 120V

DESCRIPTION	CAT. NO.	COLOR* *Brown Not Available. For IG devices, Basic Cat. No. Denotes Orange*
15A Hospital Grade Four-In-One	8480	I, W, R
15A Hospital Grade Four-In-One Isolated Ground	8480-IG	I, W, B
20A Hospital Grade Four-In-One	8490	I, W, R
20A Hospital Grade Four-In-One Isolated Ground	8490-IG	I, W, B
15A Industrial Grade Four-In-One	5480	I, W, GY, BU, R
15A Industrial Grade Four-In-One Isolated Ground	5480-IG	I, B
20A Industrial Grade Four-In-One	5490	I, W,GY, BU
20A Industrial Grade Four-In-One Isolated Ground	5490-IG	I, B

Four-In-One Adapter Plates

CAT. NO.	COLOR* *Basic Cat. No. Denotes Brown*
3254	I, W, GY, R, E, OR, BLU

Four-In-One Portable Boxes†

CAT. NO.	COLOR* *Brown Not Available*
4254	I, GY, E, OR, BLU, Y

General Data

SPECIFICATION	DATA FOR SURGE RECEPTACLES
Rated line voltage	120V (VRMS)
Max. continuous operating voltage	150V
Max. single-pulse transient current (8x20µs, Amps peak)	24000A (L-N) 12000A (L-G) 12000A (N-G)
Rated single-pulse transient energy (10x1000µs, impulse)	320 Joules
Noise rejection @ 5kHz-5MHz	-35dB

Clamping Performance

SPECIFICATION	DATA FOR SURGE RECEPTACLES
UL Standard 1449 (2nd Edition) permanently-wired test (8x20µs, 3000A)	(L-N): 400V Peak (L-G): 400V Peak (N-G): 400V Peak

†Portable boxes are not UL Listed. UL Listing does not apply when Four-In-One receptacles are used with portable boxes for extension cord applications.
All devices are UL Listed and CSA Certified

SPECIFICATIONS & FEATURES

- Replaces standard duplex receptacle with four surge-protected receptacles
- Ideal for locations where surge-protected receptacles are needed and plug-in devices can't be used
- 3-Level surge protection for phase to neutral, phase to ground and neutral to ground
- Hospital Grade versions (indicated by green dot on receptacle face) are suitable for high-abuse health care, industrial and commercial applications
- Isolated Ground versions (indicated by orange color or orange triangle on receptacle face) provide a pure ground path for use with isolated grounding systems
- Monitor/Indicator LED is ON continuously when protection is active and OFF when protection circuit is deactivated due to excessive transients

Four-In-One Adapter Plates & Portable Box

- Adapter plates not required with most standard wallboxes; provides popular "flush fit" look for any installation
- Portable Box designed for all Four-In-One Receptacles (not UL Listed for extension cord applications)

TESTING & CODE COMPLIANCE

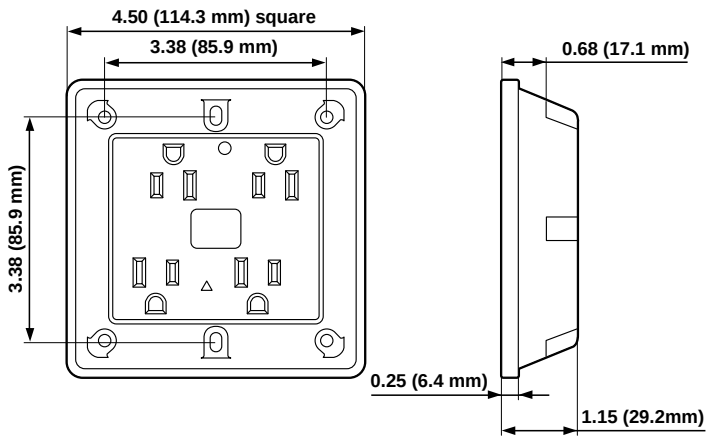
- UL Listed Standard 1449 (2nd Edition)
- Backed by a Limited Ten-Year Warranty
- Meets ANSI/IEEE C62.41 standards for both Categories A & B

Four-In-One Adapter Plates

- UL Listed (File #E-13397 – Cat. No. 3254)

*COLOR

Colors available as listed above. For IG devices, Basic Cat. No. denotes Orange device. Add suffix to basic catalog numbers as follows: Blue (-B, -BU or -BLU), Black (-E), Orange (-OR), Ivory (-I), White (-W), Gray (-GY), Red (-R), Yellow (-Y).



HOSPITAL GRADE/ISOLATED GROUND NYLON FOUR-IN-ONE RECEPTACLE Cat. No. 8480-IG

Surge Protective Devices

Low-Voltage and Data Line SPD's (Stand-Alone and Stackable)

DESCRIPTION	CAT. NO.	NO. OF WIRES OR PINS PROTECTED (Active Pins)	APPLICATION	OPERATING LINE VOLTAGE	CLAMP VOLTAGE
4-Wire Leased Line Connector-RJ11	5350-TLL (Stand-Alone)	4 RJ11 (2, 3, 4, 5)	Telco Leased Lines	70V DC	105V (1)
8-Wire RS-232 Connector-RJ45	5350-RS2 (Stand-Alone)	8 Wire RJ45 (1 thru 8)	RS-232	18V DC	27V (1)
4-Wire Ethernet Connector-RJ45	5350-TBT (Stand-Alone)	4 Wire RJ45 (1, 2, 3, 6)	10 Base T (Ethernet)	4V DC L-L	5V (1,2)
2-Wire Video/3270 Connector-BNC	5350-BNC (Stand-Alone)	2 (Center + Shield)	Video or IBM 3270	8V DC	15V (1,3)
Token Ring Networks	5350-TTR (Stand-Alone)	4 Wire RJ45 (3, 4, 5, 6)	Token Ring	4.4V DC L-L	5V (1,2)
4-Wire RS-422 Terminal Strip (422)	5350-TEB (Stand-Alone)	4 Wire Terminal Strip (All)	RS-422	8V DC	15V
2-Wire Coax F-Connector	5350-PC (Stand-Alone)	2 (Center + Shield)	CATV	10V DC	25V (1, 3)
2-Wire Coax F-Connector	5350 SAT (Stand-Alone)	2 (Center + Shield)	DSS Systems	10V DC	25V (1, 3)
4-Wire Dial-up Lines Connector-RJ11	5350-PT4	4 Wire RJ11 (2, 3, 4, 5)	4-Wire Telco	90V DC	220V (1)
8-Wire Dial-up Lines Connector-RJ45	5350-PT8	8 Wire RJ45	8-Wire Telco	90V DC	220V (1)
4-Wire DDS Lines Connector-RJ45	5360-DDS (Stackable)	4 Wire RJ45 (1, 2, 7, 8)	Digital Data Service	70V DC	105V (1)
8-Wire RS232 Connector-RJ45	5360-RS2 (Stackable)	8 Wire RJ45 (1 thru 8)	RS-232	18V DC	27V (1)
4-Wire Ethernet Connector-RJ45	5360-TBT (Stackable)	4 Wire RJ45 (1, 2, 3, 6)	10 Base T	4V DC	5V (1, 2)

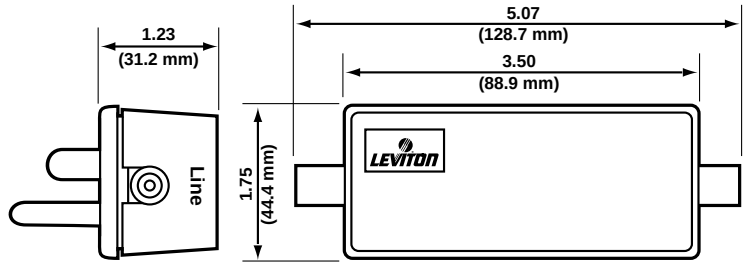
All devices are UL Listed and CSA Certified.

5350-BNC

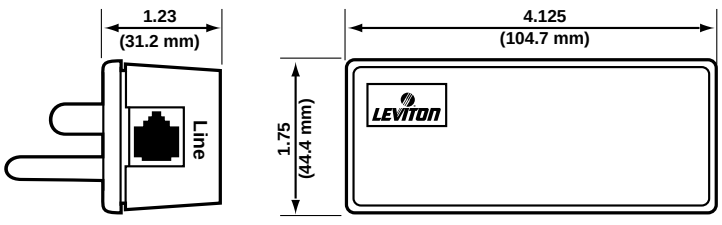
5360-RS2

SPECIFICATIONS & FEATURES

- For use in commercial & residential environments
- Provides protection against transient voltage surges in a facility's communications lines
- Configurable to Local Area Networks (LAN's), Wide Area Networks (WAN's), Data Lines, CATV & CCTV Cable networks
- Individual devices can be applied as needed; several can be stacked together, to share a single 120V AC line receptacle as a common ground point



Cat. No. 5350-BNC



Cat. No. 5360-RS2

5350-TLL
- For use on 4-wire telephone lease line networks

5350-RS2 & 5360-RS2
- For use on 8-wire RS-232 communication networks

5350-TBT & 5360-TBT
- For use on 4-wire ethernet data lines

5350-BNC
- For use on video or IBM 3270 lines

5350-TTR
- For use on token ring data networks

5350-TEB
- For use on RS-422 data lines

5350-PC & 5350-SAT
- 5350-PC for CATV lines; 5350-SAT for satellite receiver lines
- PC is computer beige; SAT is dark blue-gray

5350-PT4 & PT8
- For use on 4– & 8-wire telephone lines
- PT4 is computer beige; PT8 is dark blue-gray

5360-DDS
- For use on 4-wire telephone digital data service lines

TESTING & CODE COMPLIANCE

- Meets IEEE C62.36 requirements
- UL Listed 497A
- UL 945-V flame retardant thermoplastic

5350-PC & 5350-SAT
- UL Listed 452

MATERIAL CHARACTERISTICS

Operating Temperature: -40°C to 85°C

Storage Temperature: -40°C to 85°C

Surge Protective Devices

4900-PST

4950-PSC

SPECIFICATIONS & FEATURES

Plug Strips

- MOV surge protection for all outlets between line and neutral, neutral and ground, line and ground
- EMI/RFI filtering
- Green LED monitor light indicates that protection is active
- Equipped with a 6-foot 14-3 AWG power cord
- Lighted ON/OFF master switch
- Resettable circuit breaker overload protection
- Clamping voltage: 4800 strips – 400V all modes, 4900 strips – 330V all modes

Computer Grade Plug Strips

- Provide excellent surge suppression & EMI/RFI noise attenuation for micro-processor-driven electronic equipment
- Three-stage protection: hot-to-neutral, hot-to-ground, neutral-to-ground
- Built-in overload circuit-breaker with reset button
- Indicator lights confirm unit is operating & properly grounded
- Clamping voltage: 330V all modes

Plug-Ins

- Provide excellent surge suppression & EMI/RFI noise attenuation for micro-processor-driven electronic equipment
- Indicator lights confirm unit is operating & properly grounded
- Audible alarm indicates protection is no longer active
- Clamping voltage: 330V all modes

5400 Surge-Protected Power Control Center

- Provides superior transient suppression & noise attenuation at 5 outlets for computer work station & peripherals
- Hybrid design combines surge protection circuitry with advanced noise filtration components
- Optional telephone line suppressor available for modem protection
- Real-time diagnostics with LED indicators monitor power & protection status
- Centralized master control switch
- Rear-mounted outlets eliminate unsightly cord tangles
- Clamping voltage: 330V all modes

51000-SMC Surge Counter

- Plug-in design provides fast, simple way to determine if surges are present
- 3 settings indicate different sensitivity thresholds based on IEEE C62.41 impulse & ringwave waveforms
- Key operated to prevent tampering

TESTING & CODE COMPLIANCE

Plug Strips

- UL Listed Standard 1449
- Meets ANSI/IEEE C62.41 requirements

Computer Grade Plug Strips

- UL Listed1449
- Limited Lifetime Warranty

Plug-Ins

- UL Listed1449
- Limited Lifetime Warranty

Surge-Protected Power Control Center

- Backed by a Lifetime Limited Downline Warranty

Plug Strips

DESCRIPTION	CAT. NO.	RATING	APPLICATION
6-Outlet Plug Strip w/6' power cord	4800-PS	15A 125V	All-purpose
6-Outlet Plug Strip w/15' power cord	4800-S15	15A 125V	All-purpose
6-Outlet Plug Strip w/6' power cord, unswitched	4800-PSN	15A 125V	All-purpose
6-Outlet Plug Strip	4900-PS	15A 125V AC	Multi-stage protection
6-Outlet Plug Strip w/2 F Coax Cable Connectors	4900-PSC	15A 125V AC	Multi-stage protection
6-Outlet Plug Strip W/2 RJ11 Phone Jacks	4900-PST	15A 125V AC	Multi-stage protection

Computer Grade Plug Strips

DESCRIPTION	CAT. NO.	RATING	APPLICATION
7-Outlet (6 switched, 1 continuously live) Strip; beige	4950-PS	15A 125V AC	EMI/RFI noise attenuation for micro-processor-driven electronic equipment
7-Outlet (6 switched, 1 continuously live) Strip w/Two RJ11 Phone Jacks; beige	4950-PST	15A 125V AC	EMI/RFI noise attenuation for micro-processor-driven electronic equipment
7-Outlet (6 switched, 1 continuously live) Strip w/Two F-type Coax Connectors; beige	4950-PSC	15A 125V AC	EMI/RFI noise attenuation for micro-processor-driven electronic equipment

Plug-In Surge Suppressors

DESCRIPTION	CAT. NO.	RATING	APPLICATION
6-Outlet (2 front, 4 side switched) Plug-in; beige	4900-P	15A 125V AC	EMI/RFI noise attenuation for micro-processor-driven electronic equipment
6-Outlet (2 front, 4 side switched) Plug-in w/Two RJ11 Phone Jacks; beige	4900-PT	15A 125V AC	EMI/RFI noise attenuation for micro-processor-driven electronic equipment
6-Outlet (2 front, 4 side switched) Plug-in w/Two F-type Coax Connectors; beige	4900-PC	15A 125V AC	EMI/RFI noise attenuation for micro-processor-driven electronic equipment

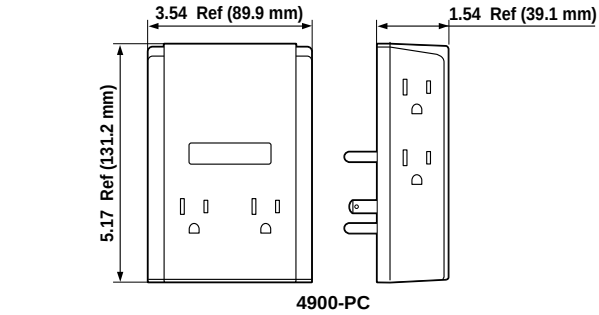
5400 Surge-Protected Power Control Center

DESCRIPTION	CAT. NO.	RATING
5 Outlet Power Control Center	5400	15A 120V AC
5 Outlet Power Control Center w/Telephone Line Suppression for Modem	5400-TLS	15A 120V AC

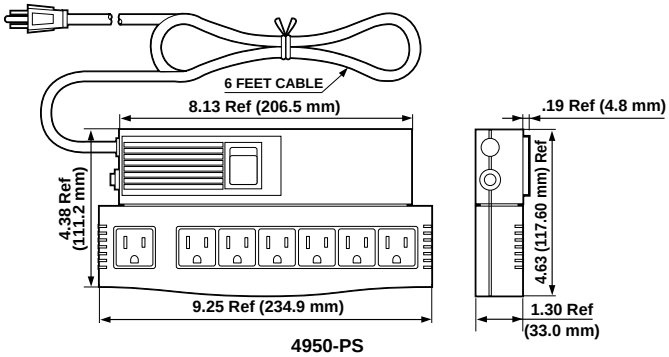
Surge Counter: 51000-SMC

DESCRIPTION	CAT. NO.
Plug-in Surge Counter	51000-SMC
Site Survey Kit*	51000-KIT

*Consists of 51000-SMC surge counter and 5200-P plug-in SPD in carrying case, along with Power Quality Site Survey Workbook.
All devices are UL Listed and CSA Certified.



4900-PC



4950-PS

Surge Protective Devices

19" Rack-Mount Surge Protective Devices

DESCRIPTION	CAT. NO.	RATING
With ON/OFF Switch, NEMA 5-15P St. Blade Plug	5500-190	15A 125V
Without ON/OFF Switch, NEMA 5-15P St. Blade Plug	5500-15N	15A 125V
With ON/OFF Switch, NEMA L5-15P Locking Plug	5500-15L	15A 125V
Without ON/OFF Switch, NEMA L5-15P Locking Plug	5500-NL	15A 125V
With ON/OFF Switch, NEMA 5-20P St. Blade Plug	5500-192	20A 125V
Without ON/OFF Switch, NEMA 5-20P St. Blade Plug	5500-20N	20A 125V
With ON/OFF Switch, NEMA L5-20P Locking Plug	5500-20L	20A 125V
Without ON/OFF Switch, NEMA L5-20P Locking Plug	5500-2NL	20A 125V

5500-190

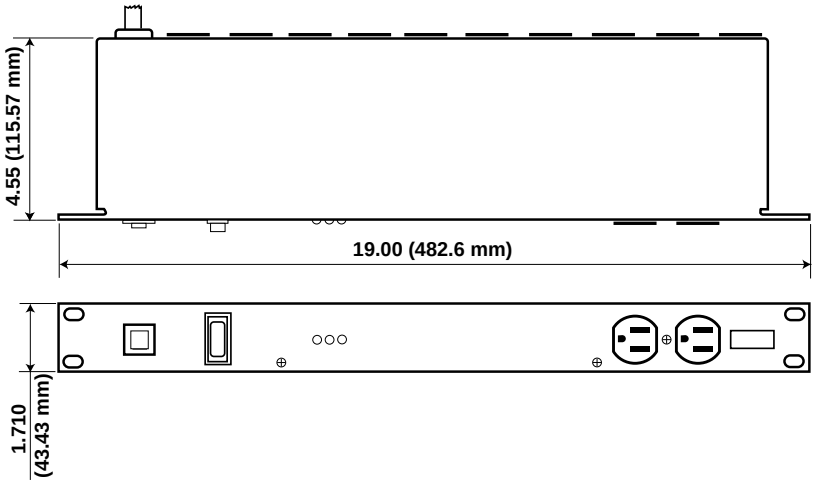
General Data

SPECIFICATION	5500-190, 5500-15N, 5500-15L, 5500-NL	5500-192, 5500-20N, 5500-20L, 5500-2NL
Rated line voltage (VRMS)	120V	120V
Load current	15A	20A
Max. continuous operating voltage	135V	135V
Operating frequency range	50, 60Hz	50, 60 Hz
Circuit type	Staged multi-component, series	Staged multi-component, series

*Clamping Performance — **Normal Mode followed by (Common Mode)***

SPECIFICATION	ALL RACK-MOUNT DEVICES
Max. single-pulse transient current (8x20µs, Amps peak)	52kA
Rated single-pulse transient energy (10x1000µs, Joules)	640 Joules
EMI/RFI noise rejection @ 50 Ohms 5kHz-100MHz	50-60dB (30-40dB)
Cat. A ringwave (6kV, 200A, 100kHz)	190V (350V)
Cat. B ringwave (6kV, 500A, 100kHz)	210V (370V)
Cat. B impulse (6kV, 3kA, 8x20µs)	310V (390V)
UL 1449 ratings (8x20µs @ 3kA) (L-N/L-G, N-G)	330/330/330

All devices are UL Listed and CSA Certified.



Cat. No. 5500-190

SPECIFICATIONS & FEATURES

19" Rack Mount SPD's

- Mounts on 19" equipment racks to provide point-of-use surge suppression for electronic equipment
- Clamping profile tightly tracks AC sine wave
- 6 protected duplex receptacles-5 in back, 1 in front
- Available with easy-access ON/OFF rocker-style switch, or without switch to avoid unnecessary equipment switching
- Resettable circuit breaker protects against overloading & power supply failure
- Provides 12-ft line cord with either NEMA 5-15P, L5-15P, 5-20P or L5-20P plug

TESTING & CODE COMPLIANCE

19" Rack Mount SPDs

- UL Recognized Component tested to UL 1449 standards
- Covered by a Lifetime Limited Downline Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C

Storage Temperature: -35°C to 60°C

Meter Socket Surge Adapter

DESCRIPTION	CAT. NO.
Meter Socket Surge Adapter	50240-MSA

SPECIFICATIONS & FEATURES

- Single 53mm MOV per line design (Line 1-Neutral, Line 2-Neutral) provides a higher energy capacity than smaller size (20mm) MOV's
- Superior to multiple small MOV configurations where the protection is only as good as the weakest MOV in the chain
- Rated for 65,000 peak amps maximum surge current
- Nominal clamping voltage per line: 800V
- Diagnostic LED's: Green indicates surge protection is active, Red indicates protection is no longer active
- Designed for 120/240 volt single-phase ringless or ring-type meters
- Rugged housing constructed of high-impact, non-conductive fiberglass-reinforced polycarbonate
- Available in popular jaw configurations, featuring spring-loaded, high-pressure copper-plated contacts for maximum conductivity

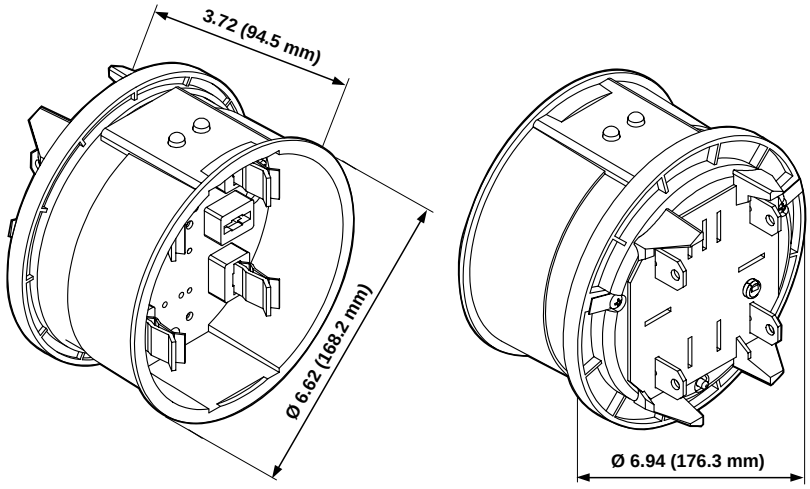
TESTING & CODE COMPLIANCE

- Surge arrester performance tested to IEEE C62.11 (10,000 amps/4 x 10 µs), IEEE C62.41 & C62.45 Category C Standards
- UL Listed Surge Arrester (465V Discharge voltage @ 1500 amps)
- Backed by a Limited 10-Year Warranty

MATERIAL CHARACTERISTICS

Operating Temperature: -10°C to 60°C

Storage Temperature: -35°C to 60°C



Cat. No. 50240-MSA

Surge Protective Devices

General Purpose Plug Strips

DESCRIPTION	CAT. NO.	RATING
6-Outlet Suppression Strip UL 1449 (L-N) 500V	3400PS	15A 120V
8-Outlet Suppression Strip UL 1449 (L-N) 500V	3500PS	15A 120V

General Purpose Plug-Ins

DESCRIPTION	CAT. NO.	RATING
6-Outlet Plug-in w/Power & Circuit Monitor Lights UL 1449 (All Modes) 400V	3500-P	15A 120V
6-Outlet Plug-in w/two RJ11 Phone Jacks, 6 ft. Phone Cord, Power & Circuit Monitor Lights UL 1449 (All Modes) 400V	3500-PT	15A 120V
6-Outlet Plug-in w/two F Coax Cable Connectors, 4 ft. Coax Cable Power & Circuit Monitor Lights UL 1449 (All Modes) 400V	3500-PC	15A 120V

51000 Series Branch Panel Mount SPD's

DESCRIPTION	CAT. NO.	RATING
1-Phase, 3-Wire & Ground	51120-1	120/240V AC
3-Phase WYE,4-Wire & Ground	51120-3	120/208V AC
1-Phase, 3-Wire & Ground; NEMA 3R Outdoor Enclosure	51120-3R	120/240V AC
1-Phase, 3-Wire & Ground; with RJ11Telephone and F-Connector CATV/Satellite Modules	51120-PTC	120/240V AC

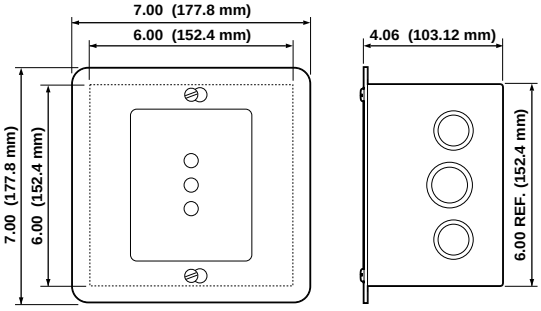
Performance Specifications

SPECIFICATION	51120-1, 51120-3	51120-3R	51120-PTC
Maximum continuous line voltage	150V	180V	AC: 150V Tel: 90V DC CATV: 10V DC
Operating frequency range	50, 60Hz	50, 60Hz	50, 60Hz

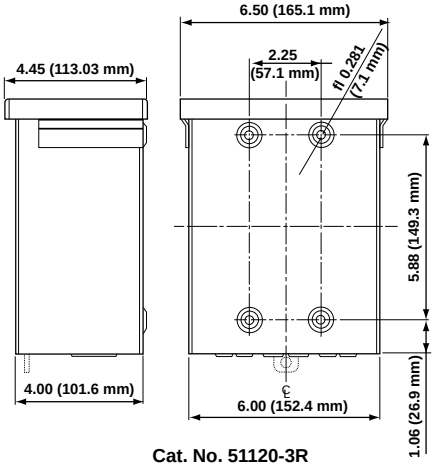
Clamping Performance

SPECIFICATION	51120-1	51120-PTC	51120-3	51120-3R
Cat. B3 combination wave (8x20µs) peak clamping voltage	480V	480V	480V	640V
Maximum single-pulse transient current (8x20µs, Amps peak)	50KA	AC: 80kA Tel: 1.9kA@3.8kV CATV: 2kA	50KA	50KA
Rated single- pulse transient energy (10x1000µs Joules)	950J	AC: 950J	950J	950J
UL 1449 rating (L-N)	500V	AC: 500V Tel: 220V CATV: 25V	500V	800V

All devices are UL Listed and CSA Certified.



Cat. No.51120-1



Cat. No. 51120-3R

3500-P

51120-1

SPECIFICATIONS & FEATURES

General Purpose Plug Strips

- For use with personal computers, modems, printers, FAX, audio components
- Circuit monitor light
- Three-stage protection: hot-to-neutral, hot-to-ground, neutral-to-ground
- Built-in circuit breaker
- 6-foot 14-3 AWG power cord
- RFI filtering

General Purpose Plug-Ins

- RFI filtering
- 3-stage protection: hot-to-neutral, hot-to-ground, neutral-to-ground
- Built-in fuse protection
- Monitor lights ON indicates circuit is powered & protected

51000 Series Branch Panel Mount SPD

- Protects microprocessor-based equipment in homes, condominiums & small businesses; ideal for home protection
- Single high-energy solid state semiconductor surge suppression circuitry per phase
- Real-time diagnostic visual indicators show power & suppression status for each protected phase
- Each phase provided with independent thermal fuse protection
- Standard J-Box metal enclosure with pre-punched knockouts & interior UL approved plastic circuit enclosure can be flush-mounted easily in typical frame construction
- Compatible with Decora Home Controls (see Section B)

TESTING & CODE COMPLIANCE

- UL Listed 1449
- Meets ANSI/IEEE C62.41 requirements for Categories A, B, C

51000 Series Branch Panel Mount

- CSA Certified
- Backed by a Limited 10-Year Warranty

Modular Surge Protective Strips

Expandable design with 2 slots for interchangeable plug-in modules — a "future-proof" feature that allows the 5950 strip to accommodate changing surge protection requirements.

5950 Modular Plug Strips — With six standard and three transformer-pad surge protected outlets, rated 15A 125V AC

DESCRIPTION	CAT. NO./COLOR	PROTECTION MODULES INCLUDED
Electronic Grade–for all electronic equipment	5950-0PS/Computer Beige 5950-PSG/Charcoal Gray	2-Blank
Home Office Grade–with protection for Phone/FAX/Modem	5950-0ST/Computer Beige 5950-STG/Charcoal Gray 5950-STP/Grape 5950-STB/Blue 5950-STO/Tangerine 5950-STL/Lime 5950-STC/Clear	1-Blank, 1-Telephone (1-Line In, 2-Line Out)
Home Theater Grade–with protection for CATV or DSS Coax Lines	5950-SCG/Charcoal Gray	1-Blank, 1-Coax (2-Pairs In/Out F Connectors)
Satellite System Grade–with protection for Phone/FAX/Modem and CATV or DSS Coax Lines	5950-SSG/Charcoal Gray	1-Telephone (1-Line In, 2-Line Out), 1-Coax (2-Pairs In/Out F Connectors)

5950 Performance Specifications

SPECIFICATION	ALL CAT. NO. 5950 STRIPS
Max. Continuous Operating Voltage	150 VRMS
Max. single-pulse transient current (8 x 20µsec, Amps peak)	92kA
Rated single-pulse transient energy (10 x 1000µsec,Joules)	1520 Joules
EMI/RFI Noise Rejection @ 50 Ohms 5kHz – 100MHz	-60dB
UL 1449 2nd Edition Clamping Rating (8 x 20µsec @ 3kA)	330V L-N, L-G, N-G

Interchangeable Plug-In Surge Protective Modules for All 5950 Strips

DESCRIPTION	CAT. NO./COLOR
Coax & Satellite Module — Two pairs of In/Out F Connectors for Satellite and Cable TV Systems	5951-0SA/ Computer Beige 5951-SAT/ Charcoal Gray 5951-SAC/ Clear
Ethernet Module — Two RJ45 Connectors with Ground Pin for Ethernet	5952-0ET/ Computer Beige 5952-ETH/ Charcoal Gray 5952-ETC/ Clear
Coax Module — One pair of In/Out F Connectors for Cable TV Systems	5953-0PC/ Computer Beige 5953-PCG/ Charcoal Gray 5953-PCC/ Clear
Telephone Module — One Input, Two Output Connectors for Phone/FAX/Modem, also acts as a splitter	5954-AT4/ Computer Beige 5954-PT4/ Charcoal Gray 5954-CT4/ Clear
DSL/ADSL Module — One Input, Two Output Connectors for DSL/ADSL Line, also acts as a splitter	5955-0DT/ Computer Beige 5955-DTG/ Charcoal Gray 5955-DTC/ Clear
DSL/ADSL Filter Module — One Input, One Output Connectors for DSL/ADSL Line, with Interference Filter	5956-0DF/ Computer Beige 5956-DFG/ Charcoal Gray 5956-DFC/ Clear
100 Base T Ethernet Module — Two RJ45 Connectors with Ground Pin for 10 Base T and 100Base T Cat 5 Systems	5957-0C5/ Computer Beige 5957-C5G/ Charcoal Gray 5957-C5C/ Clear

SPECIFICATIONS & FEATURES

- Expandable modular design accepts a variety of plug-in modules to meet surge protection requirements as equipment changes
- Easy-to-use with six standard and three transformer-pad surge protected AC outlets
- Diagnostic indicators for Power, Protection, Polarity & Ground
- 7-1/2 ft cord with convenient right-angle plug

TESTING & CODE COMPLIANCE

- UL Listed Standard 1449 (2nd Edition)
- Complies with all industry standards for surge protection – UL. IEEE, NEMA and CSA
- Limited Lifetime Connected-Equipment Warranty

Lev-UPS™ Uninterruptible Power Supply (UPS)

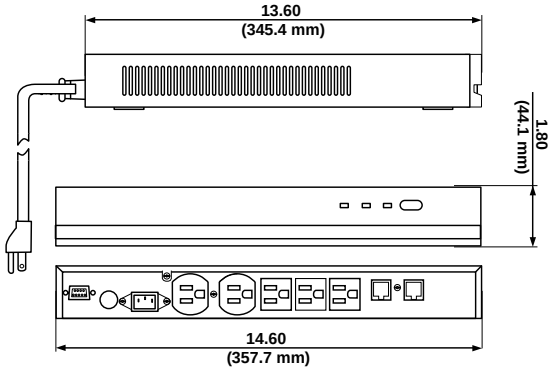
Leviton's new Lev-UPS™ product line offers the latest technology and features available in Uninterruptible Power Supplies. Lev-UPS™ devices will help prevent losses and costly downtime associated with outages, sags and blackouts. They are designed to provide back-up power for computers and workstations, data and telecom stations, industrial and commercial controls, medical equipment, lighting and many other sensitive loads.

Equipment Cabinet SPD's — 3800 Series Panel Protectors

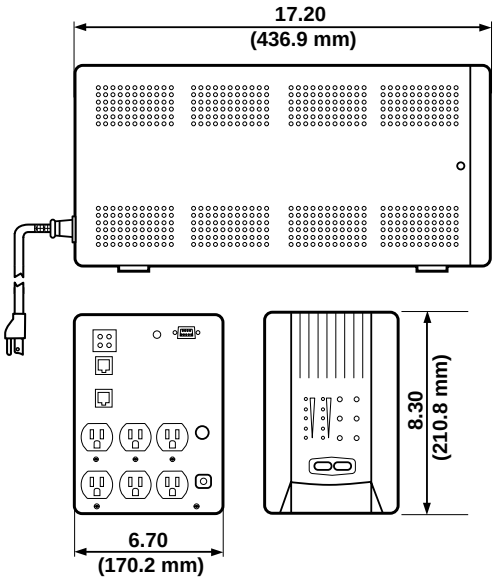
CAT. NO.	PRODUCT NAME	RATING/DESCRIPTION	MAXIMUM BACK-UP TIME
U0330-KO	Strip 330	330VA/Off-line, simulated sine wave, 6 outlets	20 minutes
U0500-SKO	Strip 500	500VA/Off-line, simulated sine wave, Lev-WARE™ software kit, 8 outlets	25 minutes
U0325-AK	Tower 325	325VA with Lev-CON™ Line Interactive feature, simulated sine wave, 2 outlets	20 minutes
U0500-AKP	Slim 500C	500VA with Lev-CON™ Line Interactive feature, simulated sine wave, Lev-WARE™ software kit, 5 outlets	25 minutes
U0625-AKP	Tower 625C	625VA with Lev-CON™ Line Interactive feature, simulated sine wave, Lev-WARE™ software kit, 2 outlets	30 minutes
U1000-AKP	Tower 1000C	1000VA with Lev-CON™ Line Interactive feature, simulated sine wave, Lev-WARE™ software kit, 5 outlets	40 minutes
U1000-SK	Sine 1000	1000VA with Lev-CON™ Line Interactive feature, pure sine wave, Lev-WARE™ software kit, 4 outlets	45 minutes
U1500-SK	Sine 1500	1500VA with Lev-CON™ Line Interactive feature, pure sine wave, Lev-WARE™ software kit, 6 outlets	60 minutes
U1500-SRM	Sine 1500RM	1500VA with Lev-CON™ Line Interactive feature, pure sine wave, Lev-WARE™ software kit, 4 outlets Designed for 19" equipment racks.	60 minutes

U0500-AKP

U1500-SK



Cat. No. U0500-AKP



Cat. No. U1500-SK

SPECIFICATIONS & FEATURES

- Microprocessor control on all models
- Lev-CON™ line interactive voltage regulation on all models (except Strips). Compensates for minor sags and swells without transferring to battery, extending battery life.
- Lev-WARE™ UPS control & monitoring software on all models (except Cat. Nos. U0330-KO and U0325-AK)
- Advanced Battery Management (ABM)
- Cold start capability (DC Power Up)
- Energy-saving sleep mode
- 50/60Hz auto sensing
- Overload & short-circuit protection
- Reliable design with high-MTBF
- Single circuit board with minimal wiring
- Lower operating temperatures
- Surge protection on AC & communication line
- User-replaceable, sealed, maintenance-free lead acid batteries

TESTING & CODE COMPLIANCE

- UL 1778 & cUL Listed (File # E195168)
- FCC compliant
- ISO 9001 certified
- 2-Year Limited Warranty covers parts, labor and battery
- Limited Connected-Equipment Warranty
- Exclusive Limited Under-Voltage Monitor Warranty

Note: Consult your Leviton representative for complete Lev-UPS™ warranty details

“In the office, Leviton Voice & Data provide me with the connectivity products that make our operations run smoothly. For fiber and copper solutions, we depend on Leviton.”

Telemarketing Operations Manager

Communications Premise Wiring Products

Leviton Voice & Data Division offers a vast array of frame-to-station structured cabling system solutions for home and office. We are a state-of-the-art provider of a broad line of quality, modular voice/data connectivity products, supporting industry standards and open architecture requirements.

Leviton offers innovative solutions and support for virtually any horizontal wiring application — from the workstation to the telecommunications closet, from basic telephone systems to high-end data networks. All of our products have built-in installer and user-friendly design features for improved appearance, reduced installation time and cost, adds, moves or changes.

The following pages provide a complete overview of the Leviton Voice & Data product line.

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QuickPort® Snap-In Modules
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- Category 3 & 5 Connectors ____ S1
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FRAME-UTP
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- Decora Media System ____ S47
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- 3x8 Video Service Module ____ S49
- 1x6 Passive Audio Module ____ S50
- 1x4, 1x6, 1x8 Video Splitter Modules ____ S50
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- Cat 5 voice & Data Module ____ S52
- 1x9 Bridged Telephone Module ____ S52
- 10Base-T Network Hub ____ S53
- Pre-Configured Structured Cabling Panels ____ S54–S55

Power
- AC Power Supply Module ____ S56
- DC Power Supply Module ____ S56

Security
- Decora Camera ____ S57

QuickPort®
- Snap-In Modules ____ S58
- Flush Mount Wallplates ____ S59

Patch Cords ____ S60

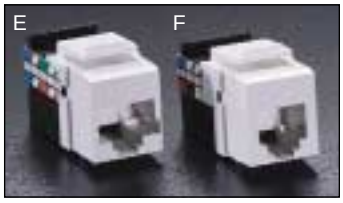
A

B

C

D

E F



QuickPort® Snap-In Modules for QuickPort Housings and Multimedia Outlet System (MOS)

The QuickPort line offers unprecedented versatility in configuring or adapting communications wiring interfaces to meet virtually any application need, including Category 5, Category 5e and Category 6. At the heart of the system is a full range of snap-in modules which fit a large family of housings, so you can tailor communications wiring interfaces to support your exact requirements for voice, data, video, audio and security applications.

Snap-in Category 3, Category 5, GigaMax, GigaMax Plus and eXtreme connectors feature dual-color-coded wiring labels with both T568A and T568B wiring patterns, for dual flexibility in a single connector, plus fast, accurate termination of station wiring. eXtreme Category 6 connectors feature standard QuickPort compatibility, and a rear termination field for easy termination of a jack while installed in a wallplate or field-configurable panel. Connectors are available in 13 colors for matching or color-coding.

All modules meet or exceed industry standards. All category-rated connectors are fully compliant with published TIA-568-A requirements. All other QuickPort connectors and modules are UL certified, fully compliant with NEC® Article 800, and meet FCC Part 68.

QuickPort® Snap-In Modules

Category 6 eXtreme Connectors U S

DESCRIPTION	CAT. NO.	COLOR*
A **8-Conductor Component-Rated Connector**	61109-R*6	I, W, G, E, O, L, R, Y, B, A, V, P, C

Permanently laser-engraved with "CAT 6"

Category 5e GigaMax Plus Connectors U S

DESCRIPTION	CAT. NO.	COLOR*
B **8-Conductor Component-Rated Connector**	5G109-R*5	I, W, G, E, O, L, R, Y, B, A, V, P, C

Permanently laser-engraved with "CAT 5e +"

Category 5e GigaMax Connectors U S

DESCRIPTION	CAT. NO.	COLOR*
C **8-Conductor Channel-Rated Connector**	5G108-R*5	I, W, G, E, O, L, R, Y, B, A, V, P, C

Permanently laser-engraved with "CAT 5e"

Category 5 Connectors U S

DESCRIPTION	CAT. NO.	COLOR*
D **8-Conductor Connector**	41108-R*5	I, W, G, E, O, L, R, Y, B, A, V, P, C
D **8-Conductor Connector, (keyed)**	41108-K*5	I, W, G, E, O, L, R, Y, B, A, V, P, C

Permanently laser-engraved with "CAT 5"

Category 3 Connectors U S 3

DESCRIPTION	CAT. NO.	COLOR*
E **8-Conductor Connector**	41108-R*3	I, W, G, E, O, L, R, Y, B, A, V, P, C
E **8-Conductor Connector, (keyed)**	41108-K*3	I, W, G, E, O, L, R, Y, B, A, V, P, C

Voice Grade Connectors U S

DESCRIPTION	CAT. NO.	COLOR*
F **6-Conductor USOC Connector**	41106-R*6	I, W, G, E, O, L, R, Y, B, A, V, P, C
F **8-Conductor USOC Connector**	41108-R*8	I, W, G, E, O, L, R, Y, B, A, V, P, C

*=Color choices for connectors: Choose from any of the below choices

QuickPort® Snap-In Connector Colors

Your choice of 13 connector colors—the largest selection in the industry—provides many options for color-coded port ID.

Ivory (I) | White (W) | Gray (G) | Black (E) | Orange (O) | Blue (L) | Crimson Red (C) | Yellow (Y) | Green (V) | Purple (P) | Almond (A) | Brown (B) | Dark Red (R)

*COLOR/CONNECTORS

Colors as listed. Color selection, as follows: Ivory (I), Orange (O), Brown (B), White (W), Blue (L), Almond (A), Gray (G), Red (R), Crimson Red (C), Green (V), Black (E), Yellow (Y), Purple (P).

MATERIAL CHARACTERISTICS

- All module bodies are fire-retardant plastic rated UL 94V-0
- Jack spring contacts are the highest quality phosphor bronze, plated with 50 microinches of gold over 100 microinches of nickel for lowest contact resistance, maximum life

TESTING & CODE COMPLIANCE

- All category-rated connectors comply with TIA-568-A requirements
- UL Listed
- Fully compliant with NEC Article 800
- Meet FCC Part 68

QuickPort® Snap-In Modules

Bulkhead® Modules U

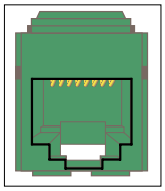
DESCRIPTION	CAT. NO.
A **BNC Bulkhead Module**	41084-B*F
A **Gold-Plated BNC, Ivory**	40832-I
A **Gold-Plated BNC,White**	40832-W
B **F-Type Bulkhead Module**	41084-F*F
B **Gold-Plated F-Type, Ivory**	40831-BI
B **Gold-Plated F-Type, White**	40831-BW
C **RCA Speaker Jack,w/Black Stripe, Ivory**	40830-BIE
C **RCA Speaker Jack,w/Black Stripe, White**	40830-BWE
C **RCA Speaker Jack,w/Red Stripe, Ivory**	40830-BIR
C **RCA Speaker Jack,w/Red Stripe, White**	40830-BWR
C **RCA Speaker Jack,w/Yellow Stripe, Ivory**	40830-BIY
C **RCA Speaker Jack,w/Yellow Stripe, White**	40830-BWY
D **ST* Fiber Optic Coupling, Metal SM/MM (metal sleeve)**†	41084-S*F
E **Snap-In Blank Module (pack of 10)**	41084-B*B
F **S-Video Connector, 110 to QP**	40734-SV*

†Capable of supporting both single-mode (SM) and multi-mode (MM) applications.
*=Color choices for above bulkhead modules: Ivory (I), White (W), Gray (G), Black (E), Almond (A)

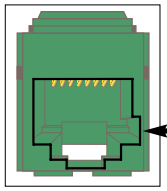
TECH NOTE — What is the difference between T568A and T568B wiring?

T568A and T568B are the two wiring standards for an 8-position modular connector, permitted under the TIA-568-A wiring standards document. The only difference between T568A and T568B is that the orange and green wire pairs (pairs two and three) are interchanged.

TECH NOTE — Keyed VS. Non-Keyed Connectors



Non-Keyed Connector:
Modular non-keyed 8-position, 8-conductor connectors accept standard (non-keyed) 8-position patch cords.



Keyed Connector:
Modular keyed connectors accept both keyed and non-keyed 8-position patch cords.

Unless a keyed connector is called out in a spec, it is usually assumed the parts are non-keyed.

Use a Leviton Field-Termination Coaster to quickly and easily punch down wires on any Leviton Performance Connector.

For information on how to obtain this free tool, call the Leviton Voice & Data Division Sales Support Dept. at 1-800-922-6229.

QuickPort® Multimedia Outlet System (MOS)

The innovative QuickPort Multimedia Outlet System is designed to provide the highest level of application and installation flexibility for fiber optic and twisted-pair connectivity. It consists of a surface mount box and single- and dual-gang wallplates, which accept QuickPort simplex snap-in modules, plus a variety of duplex fiber optic bulkhead modules.

The MOS line is distinguished from other QuickPort housings by several features: front-load installation capability so that changes can be made without dismantling the entire device; duplex modules and fiber coupling types for SC, ST, MT-RJ and other applications; the addition of S-video and RCA modules for high-definition audio/video; and design elements for enhanced routing, storage and bend radius protection of fiber and copper cabling. See individual product descriptions for more features.

Surface Mount Boxes, Wallplates and Inserts are UL Listed.

QuickPort® Snap-In Modules

QuickPort® Surface Mount Box and Wallplates

DESCRIPTION		CAT. NO.	CAT. NO.	COLOR*
6-Port Surface Mount Box		41296-MM*		I, W, G, E
Single-Gang Wallplate		41290-SM*	—	I, W, G, E
Dual-Gang Wallplate		41290-DM*	—	I, W, G, E
Fiber Storage/Spacer Ring		41290-DR*	—	I, W, G, E

MOS Inserts for Surface Mount Boxes and Wallplates

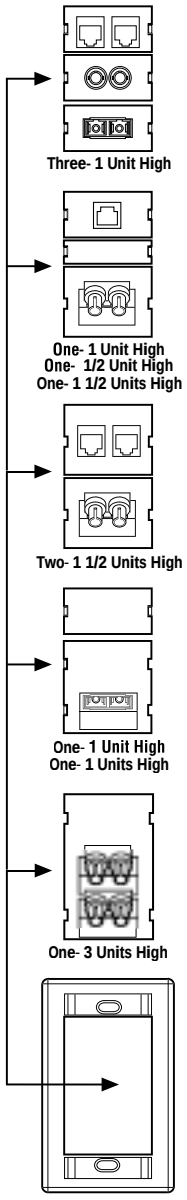
DESCRIPTION		CAT. NO.	CAT. NO.	COLOR*
2-Port QuickPort Adapter, flush (1 unit high)◊		41291-2Q*		I, W, G, E
Module for Spectro-Link MT-RJ Connector (See connectors, page Sxx)		41291-1M*		I, W, G, E
1 S-Video Insert Module, (1 unit high)		41291-1V*		I, W, G, E
1 RCA Insert Module, (1 unit high)		41291-1R*		I, W, G, E
1 Duplex ST® Coupling, (1 unit high)		41291-2T*		I, W, G, E
1 Duplex SC Coupling, (1 unit high)		41291-2C* (Ceramic sleeve)	41291-PC* (Metal sleeve)	I, W, G, E
Blank Module, (1 unit high)		41291-1B*		I, W, G, E

MOS Inserts for use with MOS Wallplates

DESCRIPTION		CAT. NO.	CAT. NO.	COLOR*
2-port QuickPort Adapter, 45° exit, (1.5 units high)◊		41294-2Q*	—	I, W, G, E
Blank Module, (1/2 unit high)		41295-5B*	—	I, W, G, E
Blank Module, (1.5 units high)		41294-2B*	—	I, W, G, E
Blank Module, (2 units high)		41292-2B*	—	I, W, G, E
1 Duplex ST® Coupling, 45° exit, SM/MM (1.5 units high)		41294-2T* (Metal sleeve)	—	I, W, G, E
1 Duplex ST® Coupling, 45° exit, SM/MM (2 units high)		41292-2T* (Metal sleeve)	—	I, W, G, E
2 Duplex ST® Couplings, 45° exit, SM/MM (3 units high)		41293-4T* (Metal sleeve)	—	I, W, G, E
1 Duplex SC® Coupling, 45° exit, SM/MM (1.5 units high)		41294-2C* (Ceramic sleeve)	41294-PC* (Metal sleeve)	I, W, G, E
1 Duplex SC® Coupling, 45° exit, SM/MM (2 units high)		41292-2C* (Ceramic sleeve)	41292-PC* (Metal sleeve)	I, W, G, E
2 Duplex SC® Couplings, 45° exit, SM/MM (3 units high)		41293-4C* (Ceramic sleeve)	41293-PC* (Metal sleeve)	I, W, G, E
1 802.5 Connector Opening, (2 units high)		41292-TR*		I, W, G, E

◊QuickPort Module Adapter accepts QuickPort Connectors andModules. See page S1 for ordering information.

TECH NOTE — Configurations for MOS Wallplates



***COLOR**

Colors as listed. Add suffix to catalog number for color selection, as follows: Ivory (I), White (W), Gray (G), Black (E).

MATERIAL CHARACTERISTICS

- High-impact fire-retardant plastic rated UL 94V-0

QuickPort® Flush Mount Wallplates

Leviton offers one of the largest selections of field-configurable, flush mount wallplates available on today's market. They provide the adaptability and performance required in a voice/data wiring interface in a sleek low-profile wallplate.

Choose from a full range of styles and looks to meet anyapplication, including single- and dual-gang and Decora® designer styling. All Leviton flush mount devices fit standard NEMA wallboxes and other openings for easy installation or retrofits of existing wallboxes.

QuickPort® Single-Gang Multi-Port Wallplates with or without Designation Windows

Single-gang flush mount wallplates offer field-configurable flexibility in an attractive single-piece housing. A choice of 1, 2, 3, 4 or 6 ports allows for a variety of configurations and future expansion if needed. The wallplates are fully compatible with all QuickPort Snap-in Modules, including connectors or blank fillers.

Port and station identification can be handled in a number of ways. Match the modules to the plate for a sleek look, or use different color snap-in connectors for port ID. Port designation labels are available for identifying different networks or port assignments for the wallplates. The wallplates with designation windows also accept a typed or hand-written label for the window, which covers the mounting screw. All designation windows are compatible with field-label printers.

QuickPort wallplates are UL Listed, CSA Certified, and are listed in compliance with NEC Article 800.

QuickPort® Single-Gang Wallplates

DESCRIPTION	IVORY	WHITE	GRAY	BLACK	ALMOND
6-Port Wallplate	41080-6IP	41080-6WP	41080-6GP	41080-6EP	41080-6AP
4-Port Wallplate	41080-4IP	41080-4WP	41080-4GP	41080-4EP	41080-4AP
3-Port Wallplate	41080-3IP	41080-3WP	41080-3GP	41080-3EP	41080-3AP
2-Port Wallplate	41080-2IP	41080-2WP	41080-2GP	41080-2EP	41080-2AP
1-Port Wallplate	41080-1IP	41080-1WP	41080-1GP	41080-1EP	41080-1AP

QuickPort® Single-Gang Wallplates with Designation ID Windows

DESCRIPTION	ID WINDOWS	IVORY	WHITE	GRAY	BLACK
6-Port Wallplate	**2**	42080-6IS	42080-6WS	42080-6GS	42080-6ES
4-Port Wallplate	2	42080-4IS	42080-4WS	42080-4GS	42080-4ES
3-Port Wallplate	2	42080-3IS	42080-3WS	42080-3GS	42080-3ES
2-Port Wallplate	2	42080-2IS	42080-2WS	42080-2GS	42080-2ES
1-Port Wallplate	1	42080-1IS	42080-1WS	42080-1GS	42080-1ES

Note: Housing are sold empty. Snap-in Connectors must be ordered separately. (See page S1)

QuickPort® Dual-Gang Multi-Port Wallplates with Designation Windows

Where high-density port configurations with port ID capabilities are called for, the dual-gang flush mount wallplates with designation windows are the ideal solution. Designed in a single-piece housing and a wide choice of port counts: 1, 2, 3, 4, 6, 8 or 12 ports, the dual-gang wallplate can be field configured with any combination of QuickPort Snap-in Modules. Port identification can be accomplished in two ways: use different color QuickPort modules for port or station differentiation, or type or hand-write a descriptive label for the designation window. All designation windows are field-label compatible and cover the mounting screw that keeps the wallplate in place.

QuickPort wallplates are UL Listed, CSA Certified, and are listed in compliance with NEC Article 800.

Professional-looking port ID is fast and simple with pre-printed labels, sold on page B16. These labels can be used on all Leviton workstation products.

QuickPort® Dual-Gang Wallplates with Designation ID Windows U S

DESCRIPTION	ID WINDOWS	IVORY	WHITE	GRAY	BLACK
12-Port Wallplate	**4**	42080-12IP	42080-12WP	42080-12GP	42080-12EP
8-Port Wallplate	4	42080-8IP	42080-8WP	42080-8GP	42080-8EP
6-Port Wallplate	**4**	42080-6IP	42080-6WP	42080-6GP	42080-6EP
4-Port Wallplate	4	42080-4IP	42080-4WP	42080-4GP	42080-4EP
3-Port Wallplate	2	42080-3IP	42080-3WP	42080-3GS	42080-3EP
2-Port Wallplate	2	42080-2IP	42080-2WP	42080-2GP	42080-2EP
1-Port Wallplate	2	42080-1IP	42080-1WP	42080-1GP	42080-1EP

Note: Housing are sold empty. Snap-in Connectors must be ordered separately. (See page S1)

QuickPort® Decora® Multimedia Inserts

A Combine voice, data, audio and video in one compact, attractive Decora wallplate. QuickPort Decora Wallplate Inserts offer designer style to match Leviton Decora electrical switches and outlets, with the capacity and flexibility to support high-tech communications for boardrooms or workstations. QuickPort snap-in modules fit neatly into a single gang Decora wallplate and can be combined with Decora electrical devices (with a barrier box) in a multi-gang wallplate. Simply snap in the QuickPort connectors of your choice to customize multimedia options. Compatible with all standard Decora wallplates and Decora Plus snap-on wallplates with hidden mounting screws (order plates separately, Section G) and standard NEMA openings. UL Listed and CSA Certified.

QuickPort® Decora Multimedia Inserts

DESCRIPTION	IVORY	WHITE	GRAY	BLACK	ALMOND	BROWN
2-Port Insert	41642-I	41642-W	41642-G	41642-B	41642-A	41642-B
3-Port Insert	41643-I	41643-W	41643-G	41643-B	41643-A	41643-B
4-Port Insert	41644-I	41644-W	41644-G	41644-B	41644-A	41644-B
6-Port Insert	41646-I	41646-W	41646-G	41646-B	41646-A	41646-B

2-PORT INSERT/CONNECTOR KITS	IVORY	WHITE
2-Port Insert w/Two 6-Conductor Connectors	41666-I	41666-W
2-Port Insert w/Two 8-Conductor Connectors	41688-I	41688-W

Note: Order QuickPort Snap-In Modules on page S1. Decora wallplate ordering information can be found in Section G. Configured versions also meet FCC Part 6B.

QuickPort® Duplex 106 Insert

A The QuickPort Duplex 106 is ideal for applications where two individual modular ports are desired, within the standard '106/NEMA-style' outline that prevails among electrical outlets. It accepts all QuickPort Snap-in Modules and fits standard NEMA wallboxes and most floor boxes and monuments. It also uses standard duplex wallplates (sold separately), making installation easier and more cost-effective, particularly in retrofits of existing spaces.

The Duplex 106 is gangable with electrical devices when barrier boxes are used. A recess above each module port accommodates Leviton Designation Labels (page S11) or hand-written port ID. Order duplex wallplate separately, page B10. UL Listed, CSA Certified and NEC Article 800 compliant.

QuickPort® Duplex 106 Insert

DESCRIPTION	IVORY	WHITE	GRAY	BLACK
QuickPort Duplex 106 Insert only	41087-2IP	41087-2WP	41087-2GP	41087-2EP

Note: Inserts are sold empty. Snap-in Connectors must be ordered separately. (See page S1)
Note: Floor monuments shown for illustration only and are not part of the Leviton product line.

QuickPort® Quad 106®

B Leviton's Quad 106 was the first information outlet to allow the installation of four connector modules within a single '106-type' duplex device matching electrical outlets. Initially a factory-configured device, its new, sturdy design provides full field-configurability with QuickPort Snap-in Modules, and includes a built-in termination station for stabilizing the connectors during wiring and punchdown.

The Quad 106 fits standard NEMA wallboxes and most floor monuments, uses standard duplex wallplates (order separately, Section G), and accepts all QuickPort Snap-in Modules. UL Listed, CSA Certified, and NEC Article 800 compliant.

QuickPort® Quad 106 Insert

DESCRIPTION	IVORY	WHITE	GRAY	BLACK
QuickPort Quad 106 Insert only	41087-QIP	41087-QWP	41087-QGP	41087-QEP

Note: Inserts are sold empty. Snap-in Connectors must be ordered separately. (See page S1)
Note: Floor monuments shown for illustration only and are not part of the Leviton product line.
***QuickPort 106 style outlets are ideal for floor box monument applications for 2-, 3-, or 4-ports.

QuickPort® Floor Jack Insert

C Rugged and fully field-configurable, this device provides point-of-use connectivity for a broad range of applications where convenience or building requirements dictate the use of a floor-mounted communications outlet. Each floorplate is made of .06" thick solid brass to hold up under heavy furniture or foot traffic. When not in use, a flush-fitting brass screw cap keeps internal components free from dirt and dust.

The two individual ports are configured easily with any combination of QuickPort Snap-in Modules. QuickPort floor jacks will fit standard metal boxes 3" x 2", 3" x 2 1⁄8" and larger.

QuickPort® Floor Jack Insert w/ Brass Plate and Screw Cap

DESCRIPTION	IVORY
Insert with One F-Connector and One Blank Module	41650-F
Insert with One 6-Conductor Connector and One Blank Module	41650-6
Insert with One Blank Module	41652
Insert with Two 6-Conductor Jacks	41652-6
Insert with One 6-Conductor Connector and One F-Connector	41652-6F

For additional Snap-in Connectors, see page S1

QuickPort® Modular Furniture Faceplates

Bring high performance, a simple snap-in installation, and attractive streamlined appearance to your modular furniture environments. QuickPort Modular Furniture Faceplates accept all QuickPort Snap-In Modules—supporting virtually any application—and snap easily and snugly into standard modular furniture. Labor-saving QuickPort jack design and tool-less plate installation simplifies installations, adds, moves and changes, and allows access to the connectors without removing the furniture channel cover. Available in 2- and 4-port versions, and in four colors: ivory, white, grey and black. UL Listed and CSA Certified.

Steelcase 9000® Series

Herman Miller Ethospace® Baseline series (shown with 49900-SE4 and Herman Miller's "Reducer" G1189A)

Haworth® Panels

QuickPort® furniture faceplates come in many styles to fit all major modular furniture brands

Standard Modular Furniture Faceplates

DESCRIPTION	CAT. NO.	HERMAN MILLER	STEELCASE	HAWORTH	HON	OTHERS	COLOR*
A **2-Port Faceplate**	49900-S*2	●◊	●	●	●	●	I, W, G, E
B **4-Port Faceplate (with 1 Blank)**	49900-S*4	●◊	●	●	●	●	I, W, G, E
C **4-Port Extended Depth Faceplate (with 1 Blank)†**	49900-E*4	●◊	●	●	●	●	I, W, G, E

(Standard modular furniture faceplates above fit openings of approximately 1.38" x 2.70")

†4-port extended plate provides 1/2" added depth (3/4" total) for installation into shallow raceway channels, e.g., some powered channels.

●◊ Compatible when used with Herman Miller G1189A Reducer available from Herman Miller dealers.

Herman Miller Modular Furniture Faceplates

DESCRIPTION	CAT. NO.	HERMAN MILLER	STEELCASE	HAWORTH	HON	OTHERS	COLOR*
D **2-Port HM Faceplate**	49900-H*2	●	—	—	—	●	I, W, G, E
E **4-Port HM Faceplate (with 1 Blank)†**	49900-H*4	●	—	—	—	●	I, W, G, E

(Herman Miller faceplates above fit openings of approximately 1.88" x 2.98")

†Fits most Herman Miller furniture including Action Office I, II, III and Ethospace Baseline. To ensure compatibility with specific models call Applications Engineering at (800) 722-2082.

***COLOR**

Colors as listed. Add suffix to catalog number for color selection, as follows: Ivory (I), White (W), Gray (G), Black (E).

MATERIAL CHARACTERISTICS

- High-impact fire-retardant plastic rated UL 94V-0

QuickPort® 2-, 4-, and 12-Port Surface Mount Housings

A–D Leviton has a surface mount housing to suit your need. 2-, 4-, 6- and 12-Port housings are easily field configured with QuickPort Snap-in Modules (sold separately, page S1) which can be terminated directly in each port. The 2-port version comes with a blank filler to cover and protect one unused opening. The 4- and 6-port housings are sized to completely cover a single-gang NEMA wallbox opening, while the 12-port fits over a single- or dual-gang NEMA box opening. Housings contain knockouts to accommodate raceway and cable entry, with built-in strain relief to assure undisturbed connections, and easy cover latches allow for easy adds, moves and changes.

All housings can be mounted with screws or adhesive mounting tape (both provided), or with magnets or modular furniture brackets (sold separately on page S11). Identify ports and stations by using ample space next to each port or the designation window. All housings are UL Listed and compliant with NEC Article 800.

QuickPort® Surface Mount Housings

DESCRIPTION	CAT. NO.	COLOR*
A **2-Port Surface Mount Housing (includes 1 Blank Module)**	41089-2*P	I, W, G, E
B **4-Port Surface Mount Housing**	41089-4*P	I, W, G, E
C **6-Port Surface Mount Housing**	41089-6*P	I, W, G, E
D **12-Port Surface Mount Housing**	41089-12*P	I, W, G, E

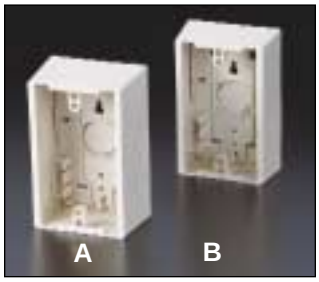
Note: Snap-in Modules must be ordered separately. (See page S1)

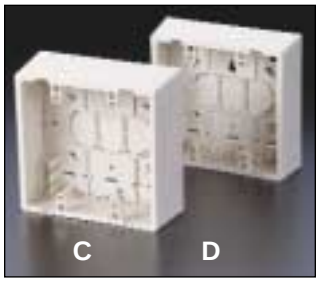
***COLOR**

Colors as listed. Add suffix to catalog number for color selection, as follows: Ivory (I), White (W), Gray (G), Black (E).

MATERIAL CHARACTERISTICS

- High-impact fire-retardant plastic rated UL 94V-0





Workstation Accessories

Single- and Dual-Gang Surface Mount Backboxes

These two-piece Surface Mount Backboxes snap snugly together to adapt Leviton flush mount products for surface mounting on walls, dividers, cabinets, desks or modular furniture. The single- and dual-gang backboxes are available in two sizes to accommodate products of varying depths and termination methods, and provide knockouts on all sides for cable entry. Mounting options include screws and double-backed tape (installer-supplied); modular furniture brackets (F, G, H below) or magnet mounting (E below).

Single- and Dual-Gang Surface Mount Backboxes

DESCRIPTION	IVORY	WHITE	GRAY	BLACK
A **Single-Gang 1.89" deep**	42777-1IA	42777-1WA	42777-1GA	42777-1EA
B **Single-Gang 1.45" deep**	42777-1IB	42777-1WB	42777-1GB	42777-1EB
C **Dual-Gang 1.89" deep**	42777-2IA	42777-2WA	42777 2GA	42777-2EB
D **Dual-Gang 1.45" deep**	42772IB	42777-2WB	42777 2GB	42777-2EB

Note: Order the 1.45" depth to fit voice jacks, or the 1.89" depth to fit Leviton's Duplex 106 and Quad 106®, and to ensure sufficient cable bend radius.

Magnets

Magnets enable most surface mount products to be mounted on desks and other metal surfaces. See ordering information for the desired housing compatibility.

Magnets

DESCRIPTION	CAT. NO.
E **Magnet (4 per pack)**	41030-SMJ
Use 1 Magnet for 2-port Surface Mount Housing	
Use 2 Magnets for 4-, 6-, and 12-port Surface Mount Housings, Single & Dual-Gang Surface Mount Backboxes, 103 & 104 type Modular Jacks	

Modular Furniture Brackets

Use modular furniture brackets to install Leviton surface mount outlets (or flush mount devices with backbox) in many types of modular offices. Brackets may also be used with Leviton backboxes, assorted 625 Surface Jacks, Wall Phone Jacks, and Surface Mount 4- and 6-Port Housings. Cold-rolled steel units snap securely into modular partitions. A cutout allows rear cable entry for a clean, uncluttered look and tangle-free installation. Available in black.

Modular Furniture Brackets

COMPATIBILITY	CAT. NO.
F **For Steelcase 9000®, Haworth®, Knoll Morrison®, Allsteel® and Westinghouse®**	49222-BLK
G **For Herman Miller Ethospace® and Steelcase Avenir®**	49222-ESP
H **For Herman Miller Action Office®**	49222-HAO

I

Actual Label Size
5/8" x 3/16"

DATA 1

VOICE 1	VOICE 1	VOICE	VOICE
VOICE 1	VOICE 1	DATA	DATA
VOICE 2	VOICE 2	FAX	FAX
VOICE 2	VOICE 2	PRINTER	PRINTER
VOICE 3	VOICE 3	SPARE	SPARE
VOICE 4	VOICE 4		
DATA 1	DATA 1		
DATA 1	DATA 1		
DATA 2	DATA 2		
DATA 2	DATA 2	1	1
DATA 3	DATA 3	1	1
DATA 3	DATA 3	2	2
DATA 4	DATA 4	2	2
DATA 4	DATA 4	3	3
PHONE	PHONE	4	4
PHONE	PHONE	5	5
PHONE	PHONE	6	6
10BASE-T	10BASE-T	A	A
10BASE-T	10BASE-T	B	B
E-NET	E-NET	C	C
E-NET	E-NET	D	D
MODEM	MODEM	E	E
LAN	LAN	F	F
VIDEO	VIDEO	LEVITON	0X-5725149

41080-LEB shown

Pre-Printed Port Designation Labels

Identify ports on any QuickPort Housings with these attractive and versatile jack designation labels Printed on clear self-adhesive backing. Commercial or residential labels available.

Port Designation Labels

DESCRIPTION	BLACK INK	WHITE INK
I **Commercial Labels- 10 Sheets per Kit, 94 Labels per Sheet**	41080-LEB	41080-LWB
Residential Labels- 10 Sheets per Kit, 94 Labels per Sheet	41070-BE	——

Note: If uncommon designations, company logos, or permanent port ID are desired, inquire about our custom silkscreening.

Category 5 & Gigamax™ 5e Patch Panels & Patch Blocks

Category 5 and GigaMax 5e Patch Panels and Patch Blocks are factory-assembled in a variety of wiring configurations and port densities to meet the needs of high-speed data applications. Both the blocks and panels come pre-configured with either Category 5 connectors, or GigaMax 5e connectors for enhanced applications. The panels, available with 12 to 96 pre-configured ports, mount in standard 19" TIA equipment racks and accommodate top, bottom or side cable entry. For smaller, wall-mount installations, the 12-port patch blocks are an ideal low-profile solution.

All panels and blocks are UL Listed; meet National Electrical Code requirements and specifications for UL 1863; and fully comply with with the latest published TIA guidelines, as of this printing.

Connector spring wire contacts are highest quality phosphor bronze, plated with 50 microinches gold over 100 microinches of nickel.

Writable/erasable surfaces and numbered jack ports help identify port assignments.

Category 5 Patch Panels U 5

DESCRIPTION	WIRING CONFIGURATION	CAT. NO.
12-Port Panels **Dimensions: 1 3/4" H x 19" W**	T568B T568A	59484-B12 59485-A12
16-Port Panels **Dimensions: 1 3/4" H x 19" W**	T568B T568A	59484-B16 59485-A16
24-Port Panels **Dimensions: 1 3/4" H x 19" W**	T568B T568A	59484-B24 59485-A24
24-Port Panels **Dimensions: 1 3/4" H x 19" W** **includes Wire Management Bar**	T568B T568A	59484-24W 59485-24W
32-Port Panels **Dimensions: 3 1/2" H x 19" W**	T568B T568A	59484-B32 59485-A32
48-Port Panels **Dimensions: 3 1/2" H x 19" W**	T568B T568A	59484-B48 59485-A48
64-Port Panels **Dimensions: 7" H x 19" W**	T568B T568A	59484-B64 59485-A64
96-Port Panels **Dimensions: 7" H x 19" W**	T568B T568A	59484-B96 59485-A96

Category 5e Patch Panels U 5

DESCRIPTION	WIRING CONFIGURATION	CAT. NO.
12-Port Panels **Dimensions: 1 3/4" H x 19" W**	T568B T568A	5G484-B12 5G485-A12
24-Port Panels **Dimensions: 1 3/4" H x 19" W**	T568B T568A	5G484-B24 5G485-A24
48-Port Panels **Dimensions: 3 1/2" H x 19" W**	T568B T568A	5G484-B48 5G485-A48
96-Port Panels **Dimensions: 7" H x 19" W**	T568B T568A	5G484-B96 5G485-A96

Category 5 and GigaMax 5e Patch Blocks (includes Mounting Bracket) U 5

DESCRIPTION	WIRING CONFIGURATION	CAT. NO.
12-Port Category 5 **Dimensions: 10" H x 2.375" W**	T568B T568A	59484-B89 59485-A89
12-Port Category 5e **Dimensions: 10" H x 2.375" W**	T568B T568A	5G484-B89 5G485-A89

Materials: Panels and blocks are 16 gauge steel, black painted finish with white write-on areas silkscreened beside the connectors. Printed circuit boards and plastic components are fire-retardant materials rated UL 94V-O.

TECH NOTE — Configurations for Patch Panels

12-Port

16-Port

24-Port

48-Port

64-Port

96-Port

- Cable management clips on rear of panel facilitate dressing and organizing the cable (included with the panel for use at the installer's option).
- Printed circuit modules with D-4 110 IDC connectors come in your choice of T568A or T568B wiring configurations.

Universal Patch Panels: Gigamax™ 5e, Gigamax™ 5e Plus and eXtreme™ 6

GigaMax 5e, GigaMax 5e Plus, and eXtreme 6 Universal Patch Panels come pre-configured in 12, 24, 48 and 96 port densities, and can be used for both T568A and T568B wiring configurations.

Engineered to meet demanding new category performance requirements, GigaMax Universal blocks and panels come pre-configured with Category 5e channel-rated (GigaMax 5e) or Category 5e component-rated (GigaMax 5e Plus) connectors.

eXtreme 6 Universal Patch Panels come pre-configured with eXtreme 6 Category 6 connectors and in 24 or 48-port densities.

All panels are available with 12, 24, 48 or 96 pre-configured ports, mount in standard 19" TIA equipment racks and accommodate top, bottom or side cable entry. For smaller, wall-mount installations, GigaMax Universal 12-port patch blocks are an ideal low-profile solution. All panels fully comply with the latest published TIA guidelines. UL listed.†*

Connector spring wire contacts are highest quality phosphor bronze, plated with 50 microinches gold over 100 microinches of nickel.

Writable/erasable surfaces and numbered jack ports help identify port assignments.

- Built-in cable management facilitates dressing and organizing the cable, and helps maintain optimum bend radii.
- Universal printed circuit modules with D-4 110 IDC connectors can be used for T568A or T568B wiring configurations.

MATERIAL CHARACTERISTICS

Panels and blocks are 16 gauge steel, black painted finish with white write-on areas silkscreened beside the connectors. Printed circuit boards and plastic components are fire-retardant materials rated UL 94V-O.

GigaMax 5e Universal Patch Panels U 5

DESCRIPTION	CAT. NO.
12-Port Universal Panels — Dimensions: 1 3/4" H x 19" W	5G484-U12
24-Port Universal Panels — Dimensions: 1 3/4" H x 19" W	5G484-U24
48-Port Universal Panels — Dimensions: 3 1/2" H x 19" W	5G484-U48
96-Port Universal Panels — Dimensions: 7" H x 19" W	5G484-U96

GigaMax 5e Plus Universal Patch Panels U 5

DESCRIPTION	CAT. NO.
12-Port Universal Panels — Dimensions: 1 3/4" H x 19" W	5G584-U12
24-Port Universal Panels — Dimensions: 1 3/4" H x 19" W	5G584-U24
48-Port Universal Panels — Dimensions: 3 1/2" H x 19" W	5G584-U48
96-Port Universal Panels — Dimensions: 7" H x 19" W	5G584-U96

GigaMax 5 and GigaMax 5e Plus Universal Patch Blocks (includes Mounting Bracket) U5

DESCRIPTION	CAT. NO.
12-Port Category 5 — Dimensions: 10" H x 2.375" W	5G484-U89
12-Port Category 5e — Dimensions: 10" H x 2.375" W	5G584-U89

eXtreme 6 Universal Patch Panels U 5

DESCRIPTION	CAT. NO.
24-Port High-density, Pre-configured Patch Panel with Wire Management Bar — Dimensions: 1 3/4" H x 19" W	49270-U24
48-Port High-density, Pre-configured Patch Panel with Wire Management Bar — Dimensions: 3 1/2" H x 19" W	49270-U48

*As of this printing

†eXtreme 6 Patch Panel comprised of UL listed components.

QuickPort® Multimedia Patch Panels & Patch Blocks

Create a Category 5, 5e or 6 panel instantly by matching Leviton Performance connectors with versatile QuickPort patch panels and patch blocks. Field-configure with any QuickPort Snap-in Modules, including Category 5, GigaMax 5e, Gigamax 5e Plus and eXtreme 6 (sold separately), to obtain the exact performance level you require.

Configure patch blocks with up to 12 QuickPort modules. Patch panels range in port density from 24 to 48 ports.

24- and 32-port panels incorporate Leviton's exclusive connector 'Quick-Termination Station', and a cable management tray. The high-density panels include a wire management bar. An 89D mounting bracket is sold separately for patch blocks.

QuickPort® Multimedia Patch Panels with Cable Tray US

Note: All QuickPort Panels are sold empty

DESCRIPTION	CAT. NO.
A **24-Port QuickPort Patch Panel with Cable Tray — Dimensions:(3½" H x 19" W** Order 1 Port Identification Kit	49255-Q24 49257-QID
B **32-Port QuickPort Patch Panel with Cable Tray — Dimensions: 3½" H x 19" W** Order 2 Port Identification Kits	49255-Q32 49257-QID

QuickPort® High Density Multimedia Patch Panels with Wire Management Bar US

DESCRIPTION	CAT. NO.
C **High Density 24-Port Patch Panel w/Wire Management Bar — Dimensions: 1¾" H x 19" W** Order 1 Port Identification Kit	49255-H24 49257-I24
D **High Density 48-Port Patch Panel w/Wire Management Bar — Dimensions: 3½" H x 19" W** Order 2 Port Identification Kits	49255-H48 49257-I24

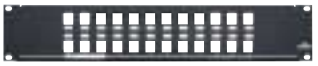
QuickPort® Multimedia Patch Blocks US

Note: All QuickPort Panels are sold empty

DESCRIPTION	CAT. NO.
QuickPort 12-Port Patch Block, shown above — Dimensions: 10" H x 2.375" W (Mounting Bracket sold separately)	49255-Q89
QuickPort patch block mounting bracket, shown above (89D)	40089-D
QuickPort 12-Port Multimedia Patch Block, not shown — Dimensions: 10" H x 2.375" W (extra deep for heavy audio/video cables) Mounting Bracket included. Order 1 Port Identification Kit	47689-QP 49257-I32

TECH NOTE — Configurations for QuickPort Patch Panels

A **24-Port**



B **32-Port**

C **24-Port High Density**

D **48-Port High Density**

MATERIAL CHARACTERISTICS

Panels and blocks are 16 gauge steel, black painted finish with white write-on areas silkscreened beside the connectors. Printed circuit boards and plastic components are fire-retardant materials rated UL 94V-O.

Performance Patch Cords

Leviton's Category 5, GigaMax™ and eXtreme™ patch cords meet or exceed industry standard or proposed specifications, and use compliant stranded wire as specified by the latest published TIA guidelines† to ensure adequate 'flex life.' All have quality construction to maintain the integrity of signal transmission at the cross-connect, which is critical to the performance of the entire cabling system.

GigaMax patch cords can be used with both GigaMax 5e channel-rated systems and GigaMax 5e Plus component rated systems.

Available in lengths of 3', 5', 7', 10', 15' and 20'. Offered in seven colors: white, red, yellow, green, blue, grey and black. GigaMax 5e cords feature black strain-relief boots and come in primary colors. eXtreme 6 cords feature grey strain-relief boots and come in pale colors. Category 5 cords have no strain-relief boot, and come in primary colors.

Patch Cords U

DESCRIPTION (LENGTH)	CAT. NO.*	COLORS
A **3-Foot, Category 5**	52455-03*	Primary/No Boot
A **5-Foot, Category 5**	52455-05*	Primary/No Boot
A **7-Foot, Category 5**	52455-07*	Primary/No Boot
A **10-Foot, Category 5**	52455-10*	Primary/No Boot
A **15-Foot, Category 5**	52455-15*	Primary/No Boot
A **20-Foot, Category 5**	52455-20*	Primary/No Boot
B **3-Foot, Category 5e & Gigamax 5e Plus**	5G455-03*	Primary/Black Boot
B **5-Foot, Category 5e & Gigamax 5e Plus**	5G455-05*	Primary/Black Boot
B **7-Foot, Category 5e & Gigamax 5e Plus**	5G455-07*	Primary/Black Boot
B **10-Foot, Category 5e & Gigamax 5e Plus**	5G455-10*	Primary/Black Boot
B **15-Foot, Category 5e & Gigamax 5e Plus**	5G455-15*	Primary/Black Boot
B **20-Foot, Category 5e & Gigamax 5e Plus**	5G455-20*	Primary/Black Boot
C **3-Foot, eXtreme 6**	62455-03*	Pale/Gray Boot
C **5-Foot, eXtreme 6**	62455-05*	Pale/Gray Boot
C **7-Foot, eXtreme 6**	62455-07*	Pale/Gray Boot
C **10-Foot, eXtreme 6**	62455-10*	Pale/Gray Boot
C **15-Foot, eXtreme 6**	62455-15*	Pale/Gray Boot
C **20-Foot, eXtreme 6**	62455-20*	Pale/Gray Boot

†As of this printing. *= Color choices for Patch Cords: White (W), Yellow (Y), Blue (L), Red (R), Green (G), Gray (S).

Rack and Panel Accessories

Patch Panel Port Identification Kits

DESCRIPTION	CAT. NO.
D **24-Port ID Kit for 12-, 24-, 48-, and 96-Port Panels, 24- & 48-Port High-Density Panels** Two Kits required for 48-Port & four Kits required for 98-Port Panels	49257-I24
D **32-Port ID Kit for 16-, 32-, and 64-Port Panels** Two Kits required for 64-Port Panels	49257-I32
D **QuickPort 32-Port ID Kit for 24-, and 32-Port Panels**	49257-QID

Blank Panels

DESCRIPTION	CAT. NO.
E **1-Position (1 3/4" H) Blank Faceplate**	49254-BP1
E **2-Position (3 1/2" H) Blank Faceplate**	49254-BP2
E **4-Position (7" H) Blank Faceplate**	49254-BP4

Note: Fits standard 19" wide TIA racks

Hinged Wall Mount Brackets U S

DESCRIPTION	CAT. NO.
F **2-Position (3 1/2" H, 6" D) Hinged Wall Mount Bracket**	49251-W62
F **3-Position (5 1/4" H, 6" D) Hinged Wall Mount Bracket**	49251-W63
F **4-Position (7" H, 6" D) Hinged Wall Mount Bracket**	49251-W64

Note: This bracket has TIA-310 universal mounting holes which are compatible with all Leviton patch panels and accessories

19"-Inch Rack-Mount Surge Protective Devices U S

DESCRIPTION	CAT. NO.
G **5500 Series – 120V, 15A Surge Protective Device, w/six 15A-120V Duplex Receptacles**	5500-190
G **5500 Series – 120V, 20A Surge Protective Device, w/six 15A-120V Duplex Receptacles**	5500-192

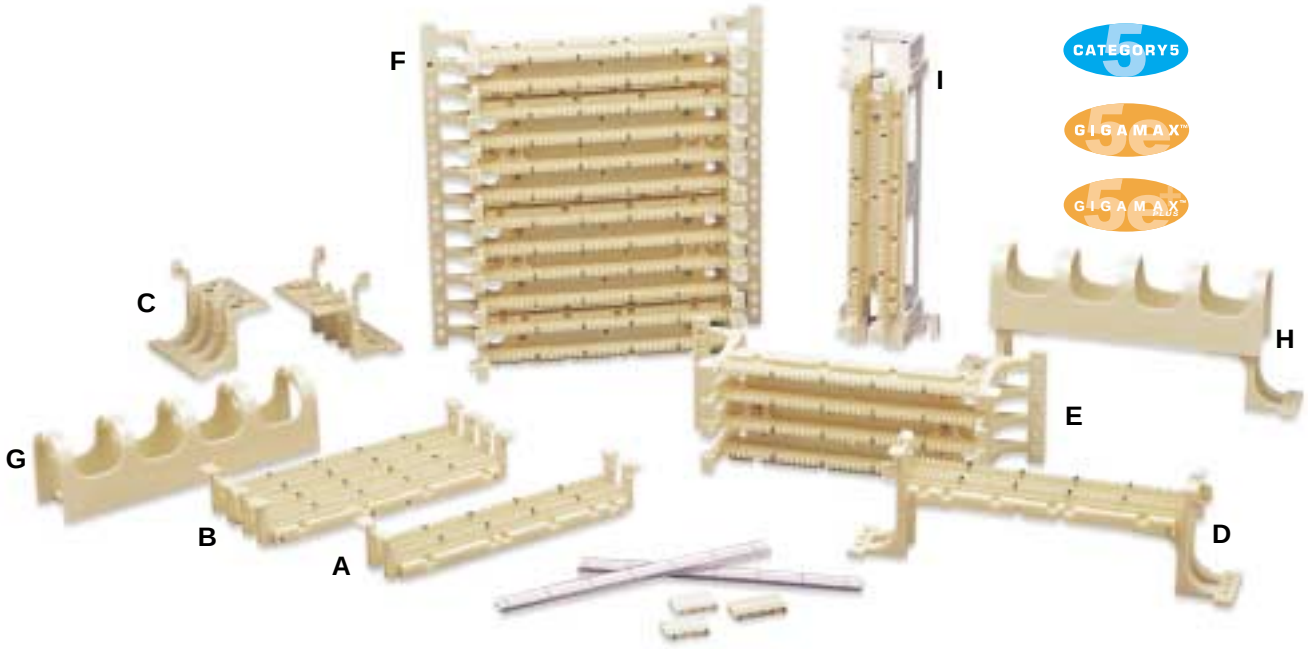
See Section R for a complete listing of 19" Rack-Mount and other Surge Protective Devices

Wall Mount 110 Wiring Products

Create compact, adaptable 110 termination fields for voice and data by mounting 110 wiring bases to the wall or a backboard. Bases come in 50-, 100- or 300-pair densities. The 50- and 100- pair bases may be ordered with or without standoff legs which provide more room behind the base for cable. All 300-pair bases include standoff legs, label strip holders and white paper label strips. A 50-pair 89D bracket configuration is also available (89D bracket sold separately, S21).

Complete kit versions are available for 100- and 300-pair wall mount units and 89D wiring base, and include bases, C-4 & C-5 connecting blocks, label holders and white paper label strips.

All components are UL Listed and now exceed TIA-568-A, Category 5e transmission requirements. Verified by independent testing.



Wall Mount 110 Products — Individual Components & Combinations U

	DESCRIPTION	CAT. NO.
A	**50-Pair Wall Mount Wiring Base without Legs**	41DW1-50
	Legs Only, 50-Pair Base (set of two) for 41DW1-50	410L2-50
B	**100-Pair Wall Mount Wiring Base without Legs**	41DW2-100
C	**Legs only, 100-Pair Base (set of two) for 41DW2-100**	410L2-100
D	**50-Pair Wall Mount Wiring Base with Legs**	41AW1-50
E	**100-Pair Wall Mount Wiring Base with Legs**	41AW2-100
F	**300-Pair Wall Mount Wiring Base with Legs and White Label Strips/Holders**	41AW2-300
G	**Horizontal Cord Manager without Legs**	41D10-HCM
H	**Horizontal Cord Manager with Legs**	41A10-HCM
I	**50-Pair 89D Bracket Compatible Wiring Base** (89D Bracket sold separately, Cat. No. 40089-D)	41DW1-589

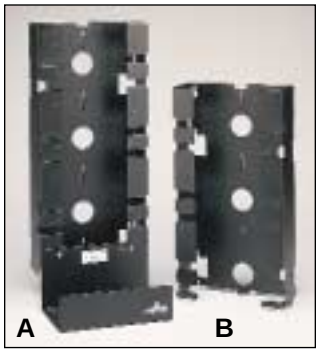
Wall Mount 110 Products — Kitted Versions

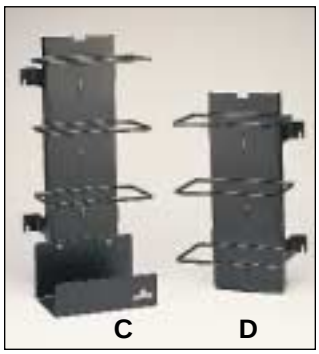
	DESCRIPTION	CAT. NO.
J	**100-Pair Wall Mount Wiring Base Kit with Base, Legs, Label Strip Holders, White Label Strips, 20 C-4 Connectors and 4 C-5 Connectors**	41AB2-1FT
	300-Pair Wall Mount Wiring Base Kit with Base, Legs, Label Strip Holders, White Label Strips, 60 C-4 Connectors and 12 C-5 Connectors	41AB2-3FT
	50-Pair 89D Bracket Compatible Wiring Base Kit with Base, Label Strip Holders, White Label Strips, 10 C-4 Connectors and 2 C-5 Connectors (89D Bracket sold separately, Cat. No. 40089-D)	41DB1-5FT

MATERIAL CHARACTERISTICS

- Horizontal cord managers and 110 wiring bases feature sturdy single-piece construction of fire-retardant plastic rated UL 94V-0
- C-4 and C-5 connector blocks (sold separately or included in kitted versions) are fire-retardant UL 94V-0 plastic with solder-plated IDC's

Kits available for 100- and 300-pair wiring bases (100-pair is shown above), and 50-pair 89D wiring base.





Wall Mounting Frame Style 110 Wiring Products

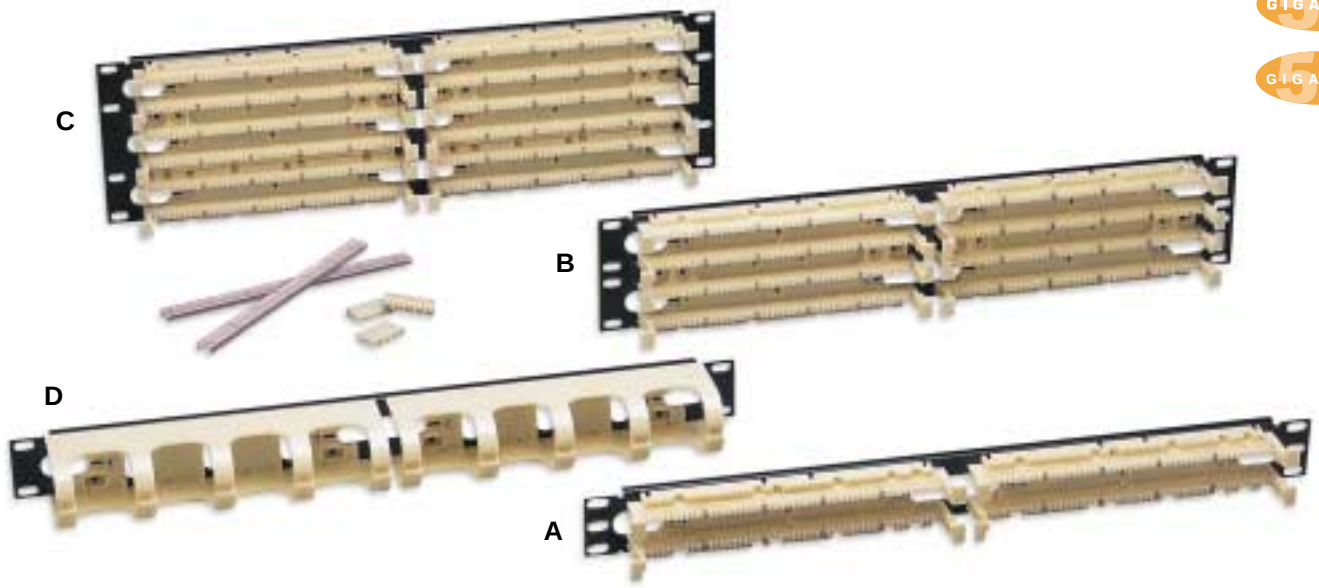
For 110 wall mount applications, mounting frames provide additional options for cord/cable management, access and density via a rear cable channel, side slots, horizontal cord managers and a bottom cable tray. Components are offered individually or in kits (see ordering information below for description of included parts).

Begin with the basic mounting frames and vertical cord managers. Each has a 300-pair capacity — room for three 100-pair wiring bases, with 100-pair horizontal cord managers in between. The capacity for each mounting frame or vertical manager may be increased to 600 or 900 pairs with the addition of up to two extension units.

Frames, trays and vertical cord managers are composed of sturdy steel, painted black; wiring bases, connector blocks and horizontal cord managers are fire-retardant plastic rated UL 94V-0. Kits include screws for attaching wiring bases to the mounting frame. All components are UL Listed and now exceed Category 5e transmission requirements. Verified by independent testing.

Wall Mounting Frame Style 110 Wiring Products

DESCRIPTION	CAT. NO.
A **300-Pair BASIC Mounting-Frame Unit (Sheet Metal Frame and Bottom Cable Tray only)**	41MB2-SMF
B **300-Pair EXTENSION Mounting-Frame Unit (Sheet Metal Frame only)**	41MB2-SME
BASIC Mounting-Frame Kit with Three 100-Pair Bases; Mounting Frame; Cable Tray; C-4 and C-5 Connector Blocks; Three Horizontal Cord Managers; Label Strip Holders and White Label Strips	41MB2-3FT
EXTENSION Mounting-Frame Kit with Three 100-Pair Bases; Mounting Frame; C-4 and C-5 Connector Blocks; Three Horizontal Cord Managers; Label Strip Holders and White Label Strips	41MB2-EXT
C **300-Pair Vertical Cord Manager, BASIC Unit; includes Bottom Cable Tray**	41880-300
D **300-Pair Vertical Cord Manager, EXTENSION Unit**	41880-EXT



Rack Mount 110 Wiring Products

Rack mount 110 wiring products attach to standard 19" wide racks to create compact, adaptable 110 termination fields for voice and data. Panels come in 100-, 200- or 300-pair densities and terminate 22-26 AWG solid copper wire. Cord management is provided by horizontal cord managers (sold separately).

Kits for 100-, 200- and 300-pair rack-mount panels include the panel, C-4 and C-5 connecting blocks, label strip holders and white paper label strips.

Horizontal cord managers and 110 wiring bases feature sturdy single-piece construction of fire-retardant plastic rated UL 94V-0. Wiring bases are attached to 19" wide steel rack-mount panels, painted black. Screws are included for mounting the panels onto 19" racks. C-4 and C-5 connector blocks are fire-retardant UL 94V-0 plastic with solder-plated IDC's.

All components are UL Listed and now exceed Category 5e transmission requirements. Verified by independent testing.

Individual Components U

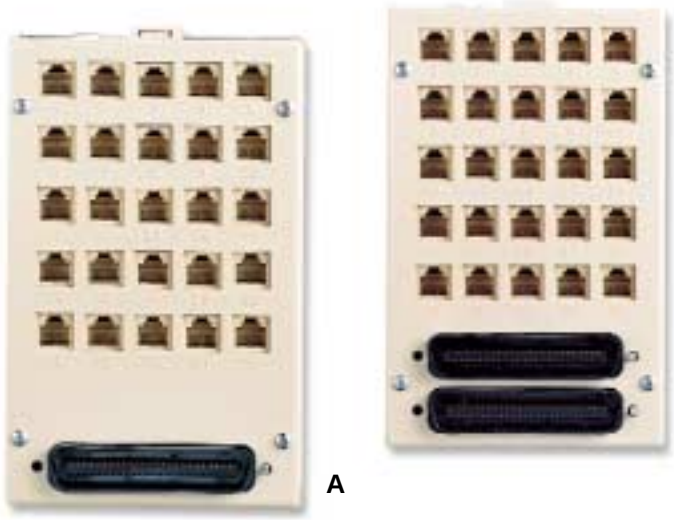
DESCRIPTION	CAT. NO.
A **100-Pair Rack Mount Wiring Panel**	41DR2-100
B **200-Pair Rack Mount Wiring Panel**	41DR2-200
C **300-Pair Rack Mount Wiring Panel**	41DR2-300
D **Rack Mount Horizontal Cord Manager (for part numbers listed above and below)**	41D1R-HCM

Kitted Versions

DESCRIPTION	CAT. NO.
100-Pair Rack Mount Wiring Panel Kit with Panel, Label Strip Holders, White Label Strips, 20 C-4 Connectors, and 4 C-5 Connectors	41DBR-1FT
E **200-Pair Rack Mount Wiring Panel Kit with Panel, Label Strip Holders, White Label Strips, 40 C-4 Connectors, and 8 C-5 Connectors**	41DBR-2FT
300-Pair Rack Mount Wiring Panel Kit with Panel, Label Strip Holders, White Label Strips, 60 C-4 Connectors, and 12 C-5 Connectors	41DBR-3FT

Surface Mount Mini Patch Panels

For applications where space limitations or simple breakout patching does not justify the use of rack-mounted patch panels, Leviton offers a full-function Mini Patch Panel with modular jacks that can be mounted almost anywhere—even in cramped quarters. Combine two or more panels in-line and use patch cords to make and change connections. Leviton's modular jack design suits most voice and data applications.



***COLOR FOR 110 LABELING KITS**

Colors as listed. Add suffix to catalog number for color selection, as follows: Brown (I), White (W), Gray (G), Red (R), Orange (O), Blue (L), Yellow (Y), Green (V), Purple (P).

MATERIAL CHARACTERISTICS

Surface Mount Mini Patch Panels

- Housings: High-impact, fire-retardant plastic rated UL 94V-0.
- Connector terminals: High-strength copper alloy, selectively gold plated over nickel in contact area.
- Connectors meet the requirements of FCC Part 68 for standard telecommunications interface (RJ21X).

Surface Mount Mini Patch Panels U S

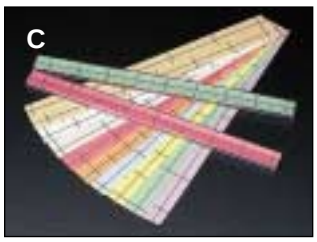
DESCRIPTION	CAT. NO.
A **25 6-Position 2-Conductor (RJ11) FCC Spec Jacks Wired into One Male 25-Pair Connector in Surface Mount Housing. Wired in Standard T-R Sequence (26-1, 27-2, 28-3, etc.)**	41600-I
A **25 6-Position 4-Conductor (RJ14) FCC Spec Jacks Wired into Two Male 25-Pair Connectors in Standard T-R Sequence**	41610-I
A **25 6-Position 2-Conductor (RJ11) FCC Spec Jacks Wired into Two Bridged 25-Pair Connectors (one male and one female) In Standard T-R Sequence for Series Connection**	41620-I

110 Connector Blocks

B These high-quality connector blocks securely seat the wires on 110 wiring bases, providing a gas-tight IDC connection that maintains signal integrity for high performance applications. Available in three pair-count sizes: C-3, C-4 and C-5. These blocks withstand 200 reterminations, and are made of fire-retardant plastic rated UL 94V-0 with solder-plated insulation displacement connectors. 110 Connector Blocks exceed Category 5e transmission requirements.

110 Connector Blocks

DESCRIPTION	CAT. NO.
B **C-3 Connector Blocks (bag of 10)**	49103-IDC
B **C-4 Connector Blocks (bag of 10)**	49104-IDC
B **C-4 Connector Blocks (bag of 50)**	49104-I5C
B **C-5 Connector Blocks (bag of 10)**	49105-IDC



110 Product Labeling Holders and Strips

C Identify 110 port assignments with these clear plastic label holders and slide-in label strips. The holders attach to all types of 110 wiring bases—wall, rack and wall mounting frame styles. Strips come in your choice of one of nine colors, and are lined for 2-, 3-, 4- or 5-pair spacing.

110 Product Labeling Kits

DESCRIPTION	CAT. NO.	COLORS*
C **Clear Label Holders (bag of 6)**	4100-HLD	———
C **Label Strips lined for 2-, 3-, 4- or 5-pair spacing (bag of 6) available in one of 9 Colors**	41LBL-00*	B, W, G, R, O, L, Y, V, P

66-Clip Connecting Blocks

These industry-standard blocks are used in equipment rooms to connect voice and data network wiring to customer premises equipment. They are also used in remote and intermediate wiring closets throughout larger installations as common connecting points for nearby equipment. Constructed of high-impact, fire-retardant molded thermoplastic, Leviton connecting blocks utilize phosphor bronze quick-connect insulation displacement 66-clips for ease of installation, and proven mechanical and electrical reliability.

The 66 blocks may be installed individually or in pairs in a cross-connect system to facilitate subsequent adds, moves, and changes. In a cross-connect system, jumper wires are used to make connections between blocks. Stations can then be disconnected and reassigned without disturbing station wire—simply by moving the jumpers. Bridging clips can sometimes be used on split 50 blocks in place of jumpers.

M Block: 25-Pair

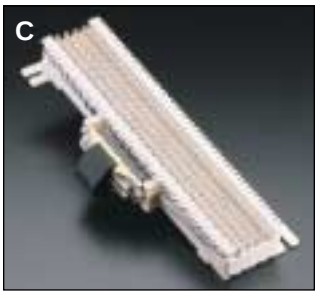
A Contains 50 rows, each with a single clip having four slots as shown at right. Incoming cable pairs are connected by terminating the tip conductor on the leftmost slot of one row, and the ring conductor on the leftmost slot of the next lower row. The three remaining slots in each clip are available for cross-connects.

Split M Block: 50-Pair

B Split M block, like 25-pair M block, contains 50 rows of clips, but instead of one 4-slot clip, each row contains two separate 2-slot clips. By terminating 25 incoming pairs on the slots of the left-hand clips and an additional 25 pairs on the slots of the right-hand clips, 50 cross-connects can be made. Alternatively, bridging clips may be used to connect the two adjacent sets of clips together. (See page S22.) Category 5e-rated.

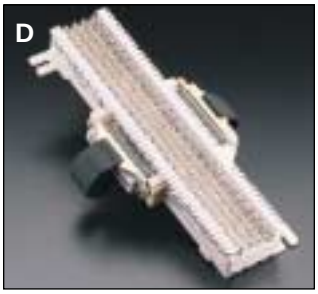
M Block with Female Connector

C 50-pair M block with prewired, pretested 25-pair female connector on left side fanning strip to speed connection of incoming pairs.



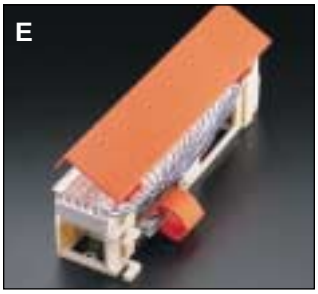
M Block with Female and Male Connectors

D 50-pair M block with prewired, pretested 25-pair female connector on left and male connector on right for fastest installation. Simply plug in connectors and insert bridging clips to complete the connections.



Connectorized Demarc Block

E Designed for use at the demarcation point, this 50-pair M block includes mounting bracket and snap-on orange cover with designation strip. Prewired, pretested 25-pair female connector mounted on right side speeds connection of customer premise equipment to the network interface.



66 Clip Connecting Blocks U

DESCRIPTION	CAT. NO.
A **M Block: 25-Pair (66M1-25) 10" H x 3 5/16" W x 1 3/16" D**	40066-M25
B **Split M Block: 50-Pair (66M1-50) 10" H x 3 5/16" W x 1 3/16" D**	40066-M50
C **M Block with Female Connector (66M1-50W) 10" H x 3 5/16" W x 1 3/16" D**	40066-MW
D **M Block with Female and Male Connectors (66M1-50W2) 10" H x 3 5/16" W x 1 3/16" D**	40066-MW2
E **Connectorized Demarc Block (66M1-50R) 10" H x 3 13/32" W x 2 3/4" D**	40066-MR

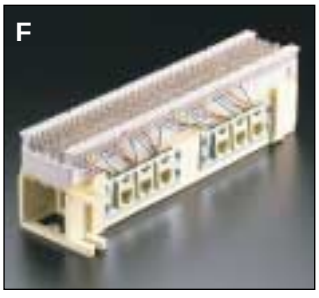
Note: Numbers in parenthesis refer to industry product designation.

Prewired 66 Blocks

F The 66 M1-50 block and 89-D bracket come preassembled with designated connectors.

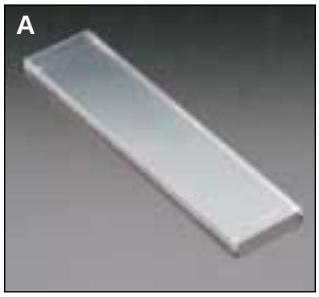
Prewired 66 Blocks

DESCRIPTION	CAT. NO.
12 6p4c Connectors	49114-QIA
12 6p6c Connectors	49112-QIA
12 8p8c Connectors, T568B	49111-QIA



MATERIAL CHARACTERISTICS

25-pair connector terminals: High-strength copper alloy, selectively gold plated over nickel in contact area. 25-pair connectors meet the requirements of FCC Part 68 for standard telecommunications interface (RJ21X).



66-Clip Connecting Block Accessories

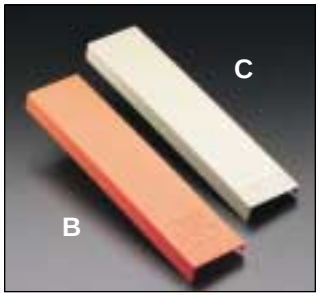
Snap-On Cover for M Blocks

A Snaps onto 25- and 50-pair M blocks to protect wiring from dust, dirt and incidental shorting. Transparent plastic permits viewing of wiring and pair assignments. Durable, fire-retardant thermoplastic.

Snap-On Cover for M Blocks

DESCRIPTION	CAT. NO.
A **Snap-On Cover for M Blocks (66MC-4) 9 15/16" H x 2 5/16" W x 15/16" D**	40050-MCV

Note: Numbers in parenthesis refer to industry product designation.



Hinged Cover for Demarc Blocks

B Colored orange to identify the network demarcation point, this hinged cover snaps onto the right side fanning strip of 25- and 50-pair M blocks to protect wiring from dust, dirt and incidental shorting. Allows wires to be routed from both left and right sides. Designation strip included on inside for recording pair assignments.

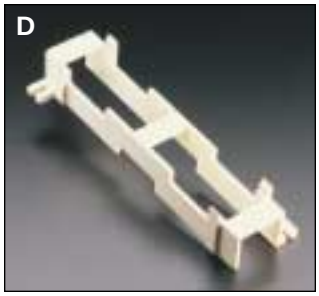
Hinged Cover for M Blocks: Gray

C Snaps into the right side fanning strip of 25- and 50-pair M blocks. Protects wiring from dust, dirt, and incidental shorting. Allows wires to be routed from both left and right sides. Designation strip included on inside for recording pair assignments.

Hinged Covers for Demarc and M Blocks

DESCRIPTION	CAT. NO.
B **Hinged Cover for Demarc Blocks: Orange (66MC4LH-O) 10" H x 2 7/16" W x 3/4" D**	40050-MHO
C **Hinged Cover for M Blocks: Gray (66MC4LH-G) 10" H x 2 7/16" W x 3/4" D**	40050-MHG

Note: Numbers in parenthesis refer to industry product designation.



Standoff Bracket for M Blocks

D Standard mounting bracket for use with all 25- and 50-pair M blocks.

M-Block Bracket for Jack/Connector Mounting

E Standoff bracket for 25- and 50-pair M blocks, 89D 110 wiring bases (page S20), and QuickPort Patch Blocks (page S14). Bracket is open at top and bottom so that installers may mount bracket and lay cable, then install connecting block easily at a later date.

Standoff Bracket for M Blocks and M-Block Bracket for Jack/Connector Mounting U

DESCRIPTION	CAT. NO.
D **Standoff Bracket for M Blocks (89-B) 10" H x 3 13/32" W x 1 1/2" D**	40089-B
E **M-Block Bracket for Jack/Connector Mounting (89-D) 10" H x 3 13/32" W x 1 1/2" D**	40089-D

Note: Numbers in parenthesis refer to industry product designation.

Bridging Clips

A Clips press onto the two center slots in any row of a Split M block (as shown at right). If outside cable pairs are terminated on left-hand clips and station equipment wire is terminated on right-hand clips, then connections may be made or eliminated easily just by inserting or removing the bridging clips. They can also be used on other products which use 66-clips. Made of tin-plated phosphor bronze alloy, these clips can be easily removed and reused for rewiring.

Bridging Clips

DESCRIPTION	CAT. NO.
A **Bridging Clips (SA-I) bag of 50 only**	40067-BC

Note: Numbers in parenthesis refer to industry product designation.

Wire Distribution Spool

B Facilitates routing and fanning of cable, cross-connections, and jumper wires to any connection apparatus. Mounts conveniently on backboard of distribution frame.

Wire Distribution Spool With Screw

C Includes captive wood screw for quick backboard mounting.

Wire Distribution Spools

DESCRIPTION	CAT. NO.
B **Wire Distribution Spool (20-A) 1 3/4" Dia. x 3" H**	40054-DS
C **Wire Distribution Spool with Screw (20-B) 1 3/4" Dia. x 3" H**	40054-DSS

Note: Numbers in parenthesis refer to industry product designation.

Modular Adapter

D Plugs into M blocks to convert 66-clip contacts to a modular jack for quick connection of equipment.

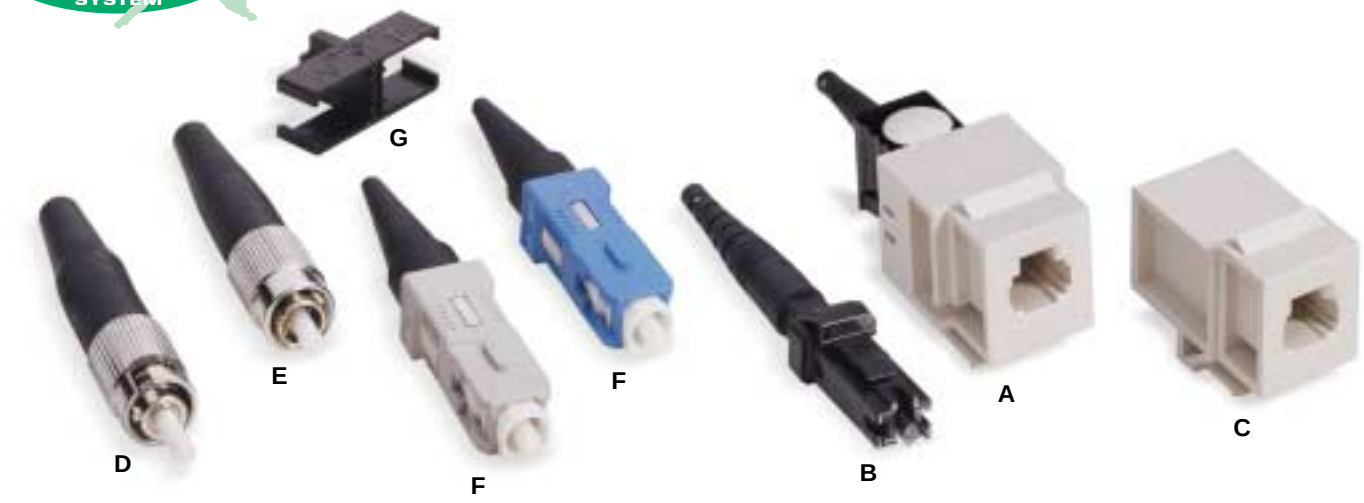
Modular Adapter

DESCRIPTION	CAT. NO.	APPLICATION
2-Position Modular Adapter	40072-T2 (Tap™-2)	Converts two 66-clip contacts into a 6-position, 2-conductor modular jack
4-Position Modular Adapter	40072-T4 (Tap™-4)	Converts four contacts into a 6-position, 4-conductor modular jack
6-Position Modular Adapter	40072-T6 (Tap™-6)	Converts six contacts into a 6-position, 6-conductor modular jack
8-Position Modular Adapter, T568B wiring	40072-T8 (Tap™-8)	Converts eight contacts into an 8 position, 8-conductor non-keyed modular jack

Note: TAP is a trademark of The Siemon Company.

MATERIAL CHARACTERISTICS

- Housings: High-impact, fire-retardant plastic rated UL 94V-0
- Spring wire contacts: Phosphor bronze plated with 50 microinches hard gold over 100 microinches nickel
- Wire leads: PVC-insulated 26 AWG stranded copper



Fiber Optic Connectors

Spectro-Link™ MT-RJ Fiber Connectors, Multimode

A–C Leviton now offers two distinct styles of field-configurable MT-RJ connectors! Spectro-Link™ Workstation connectors offer innovative push-button fiber insertion and retention, and plug directly into our MOS adapters (see page S4). Versatile Spectro-Link Frame-Station connectors use a cam technology to lock the fiber into a terminated position, and work with a separate dual-polarity Keystone Adapter. Both connectors feature a pre-polished ribbon fiber ferrule that eliminates polishing. Simply strip the fiber, cleave with Leviton's Versa-Cleave™ tool and appropriate adapter, and insert into the connector. Fiber can be tested and reterminated prior to crimping. Dual-polarity, multimode 62.5/125 or 50/125 connectors.

For MT-RJ MOS products, see Workstation, Page S4.

Spectro-Link MT-RJ Connectors

	DESCRIPTION	CAT. NO.
A	**Spectro-Link High-Density MT-RJ Workstation Connector, Multimode, 62.5 µm**	49888-65W
	Spectro-Link High-Density MT-RJ Workstation Connector, Multimode, 50.5 µm	49888-55W
B	**Spectro-Link High-Density MT-RJ Frame-Station Connector, Multimode, 62.5 µm**	49888-65F
	Spectro-Link High-Density MT-RJ Frame-Station Connector, Multimode, 50.5 µm	49888-55F
C	**Spectro-Link Multimode Keystone Adapter for Frame-Station Connector, dual-polarity**	49889-KMA

Thread-Lock® Reusable Fiber Connectors, Multimode and Singlemode

D-G Award-winning Thread-Lock Connectors, available in SC, FC and ST® styles, are reusable, field-terminable fiber optic connectors with a simple, craft-friendly installation. Use at the frame or workstation. No heat, epoxy or proprietary tools required. Available in versions for use with 62.5/125 and 50/125 multimode or singlemode fiber cable. Each box of 50 connectors includes one tightening tool.

Thread-Lock Fiber Connectors

	DESCRIPTION	SINGLEMODE CAT. NO.	MULTIMODE CAT. NO.
D	**ST Thread-Lock Connector**	49882-SST	49882-MST
E	**FC Thread-Lock Connector**	49883-SFC	49883-MFC
F	**SC Thread-Lock Connector**	49884-SSC (blue)	49884-MSC (biege)

Thread-Lock Connector Components/Accessories

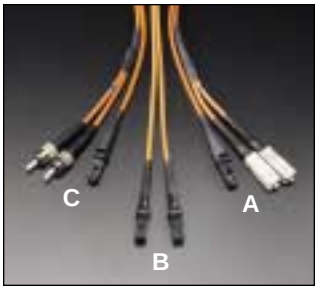
	DESCRIPTION	CAT. NO.
	Nylon Retention Sleeve (sold in increments of 10, 1 each=bag of 10)	49885-SLV
	250 Micron Build-up Sleeve (sold in increments of 10, 1 each=bag of 10)	49885-2BS
	900 Micron Build-up Sleeve (sold in increments of 10, 1 each=bag of 10)	49885-9BS
	3.0 mm Jacketed Cable Build-up Sleeve (sold in increments of 10, 1 each=bag of 10)	49885-JBS
G	**SC Duplex Clip (sold in increments of 25, 1 each=bag of 25)**	49884-DPC

For a complete listing of Fiber Optic Tools, see Tools & Test Equipment, Page S29.

Fiber Optic Cable Assemblies

MT-RJ Fiber Optic Cable Assemlies, Multimode

A–C High-density, high-capacity MT-RJ Cable Assemblies from Leviton combine dual-fiber functionality in a single, compact footprint. Connect your network to high-density hubs and other peripherals. Available in MT-RJ-to-SC, MT-RJ-to-ST, and MT-RJ-to-MT-RJ styles. These OFNR riser-rated, multimode patch cords come in lengths of 1, 2, 3, 5, and 10 meters.

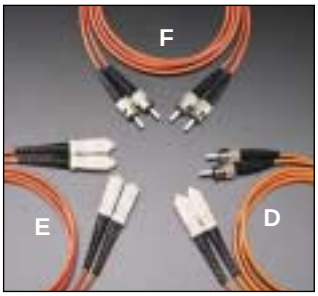


MT-RJ Fiber Optic Patch Cords, Multimode, OFNR Riser-Rated

DESCRIPTION	CAT. NO.
A **MT-RJ to Duplex SC, 1 Meter Length**	498MC-M01
A **MT-RJ to Duplex SC, 2 Meter Length**	498MC-M02
A **MT-RJ to Duplex SC, 3 Meter Length**	498MC-M03
A **MT-RJ to Duplex SC, 5 Meter Length**	498MC-M05
A **MT-RJ to Duplex SC, 10 Meter Length**	498MC-M10
B **MT-RJ to MT-RJ, 1 Meter Length**	498MM-M01
B **MT-RJ to MT-RJ, 2 Meter Length**	498MM-M02
B **MT-RJ to MT-RJ, 3 Meter Length**	498MM-M03
B **MT-RJ to MT-RJ, 5 Meter Length**	498MM-M05
B **MT-RJ to MT-RJ, 10 Meter Length**	498MM-M10
C **MT-RJ to Duplex ST, 1 Meter Length**	498MT-M01
C **MT-RJ to Duplex ST, 2 Meter Length**	498MT-M02
C **MT-RJ to Duplex ST, 3 Meter Length**	498MT-M03
C **MT-RJ to Duplex ST, 5 Meter Length**	498MT-M05
C **MT-RJ to Duplex ST, 10 Meter Length**	498MT-M10

Fiber Optic Cable Assemblies, Multimode

D-F These gigabit-ready Fiber Optic Cable Assembies are available in three styles: ST-to-ST, SC-to-SC, and ST-to-SC. Featured in a variety of lengths for use in backbone or workstation applications, including 1, 2, 3, 5, and 10 meters. Orange, 62.5/125 µm, OFNR-riser rated cables.



Duplex ST-to-SC Fiber Optic Patch Cords, Multimode, OFNR Riser-Rated

DESCRIPTION	CAT. NO.
D **1-Meter Fiber Optic Patch Cord, Duplex ST-to-SC**	5H200-M01
D **2-Meter Fiber Optic Patch Cord, Duplex ST-to-SC**	5H200-M02
D **3-Meter Fiber Optic Patch Cord, Duplex ST-to-SC**	5H200-M03
D **5-Meter Fiber Optic Patch Cord, Duplex ST-to-SC**	5H200-M05
D **10-Meter Fiber Optic Patch Cord, Duplex ST-to-SC**	5H200-M10

Duplex SC-to-SC Fiber Optic Patch Cords, Multimode, OFNR Riser-Rated

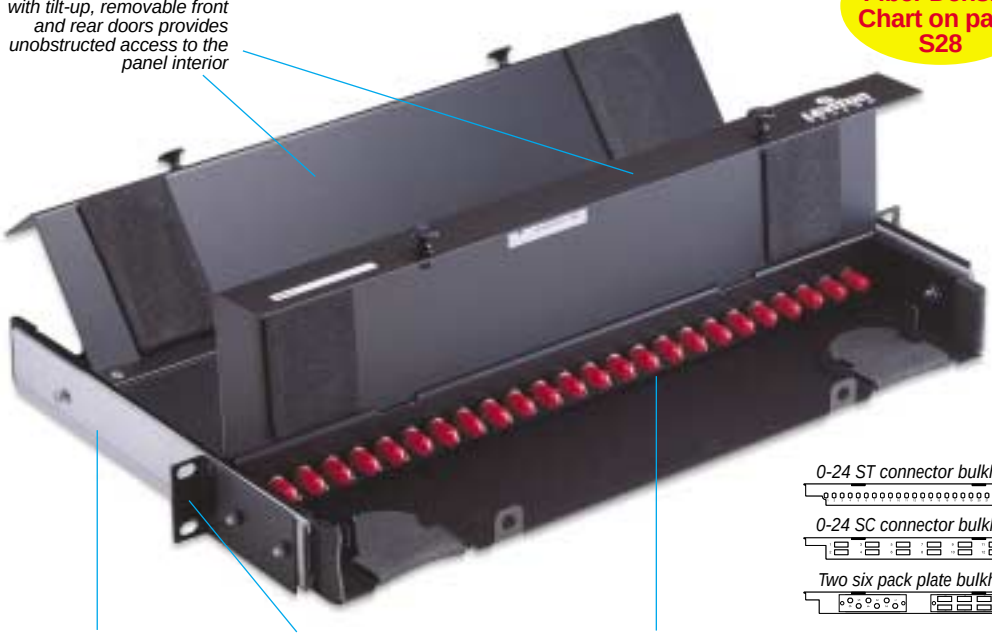
DESCRIPTION	CAT. NO.
E **1-Meter Fiber Optic Patch Cord, Duplex SC-to-SC**	5C200-M01
E **2-Meter Fiber Optic Patch Cord, Duplex SC-to-SC**	5C200-M02
E **3-Meter Fiber Optic Patch Cord, Duplex SC-to-SC**	5C200-M03
E **5-Meter Fiber Optic Patch Cord, Duplex SC-to-SC**	5C200-M05
E **10-Meter Fiber Optic Patch Cord, Duplex SC-to-SC**	5C200-M10

Duplex ST-to-ST Fiber Optic Patch Cords, Multimode, OFNR Riser-Rated

DESCRIPTION	CAT. NO.
F **1-Meter Fiber Optic Patch Cord, Duplex ST-to-ST**	5T200-M01
F **2-Meter Fiber Optic Patch Cord, Duplex ST-to-ST**	5T200-M02
F **3-Meter Fiber Optic Patch Cord, Duplex ST-to-ST**	5T200-M03
F **5-Meter Fiber Optic Patch Cord, Duplex ST-to-ST**	5T200-M05
F **10-Meter Fiber Optic Patch Cord, Duplex ST-to-ST**	5T200-M10

Low-Profile Rack Mount Fiber Optic Patch Panels

See Fiber Density Chart on page S28



Completely removable top with tilt-up, removable front and rear doors provides unobstructed access to the panel interior

0-24 ST connector bulkhead

0-24 SC connector bulkhead

Two six pack plate bulkhead

Slide rail option allows easy installation and re-entry regardless of equipment or panels above

Mounting brackets are reversible for mid- or flush-mounting in 19" racks

High-density adapter bulkhead houses up to 24 ST or 12 duplex SC couplings. Another version accepts two fiber bulkheads; configure with a QuickPort plate and a fiber plate to create a multimedia panel

High Density Rack Mount Panels (1RU) w/o Rails—1¾" H x 19" W x 12" D U

DESCRIPTION	CAT. NO.
24 Fiber ST Bulkhead w/6 Adapters	5R030-0AB
24 Fiber ST Bulkhead w/3 Duplex Adapters	5R030-0HB
12–24 Fiber, Empty (accepts 2 bulkheads, sold sep.)	5R130-00N
12 Fiber, Loaded w/ST Adapters	5R230-0AB
12 Fiber, Loaded w/6 Duplex SC Adapters	5R230-0HB
24 Fiber, Unloaded, Punched for ST Adapters	5R330-0AA
24 Fiber, Unloaded, Punched for Duplex SC Adapters	5R330-0HA
24 Fiber Loaded w/ST Adapters	5R330-0AB
24 Fiber Loaded w/12 Duplex SC Adapters	5R330-0HB

Add-On Slide Rail Kit

Slide Rail Kit for 24 or 72 Port Rack Mount Panels Only	5S100-SLM

Replacement Door

24 Port Rack Mount Metal Replacement Door	5D000-1RM

High Density Rack Mount Panels (1RU) w/Rails—1¾" H x 19" W x 12" D U

DESCRIPTION	CAT. NO.
24 Fiber ST bulkhead w/6 Adapters	5P030-0AB
24 Fiber SC bulkhead w/3 Duplex Adapters	5P030-0HB
12-24 Fiber, Empty (accepts 2 bulkheads, sold sep.)	5P130-00N
12 Fiber Loaded w/ST Adapters	5P230-0AB
12 Fiber Loaded w/6 Duplex SC Adapters	5P230-0HB
0-24 Fiber Unloaded, Punched for ST Adapters	5P330-0AA
0-24 Fiber Unloaded, Punched for Duplex SC Adapters	5P330-0HA
24 Fiber Loaded w/ST Adapters	5P330-0AB
24 Fiber Loaded w/12 Duplex SC Adapters	5P330-0HB

LOADED = The panel's bulkhead contains the specified couplings.

UNLOADED = The panel includes a bulkhead plate which has openings for, but does not include, the specified couplings.

EMPTY = No bulkhead coupling plates are included.

Note: For Bulkheads and Accessories, see page S28.

Rack Mount Fiber Optic Patch Panels

See Fiber Density Chart on page S28

Rack Mount Panels, 2 Rack Units High (2RU)—3 1/2" x 19" W x 12" D U

DESCRIPTION	CAT. NO.
Empty with Metal Door, No Lock	5R430-00N
Empty with Metal Door and One Lock/Key	5R440-00N
Empty with Smoked Polycarbonate Door, No Lock	5R460-00N

Rack Mount Panels, 3 Rack Units High (3RU)—5 1/4" H x 19" W x 12" D U

DESCRIPTION	CAT. NO.
Empty with Metal Door, No Lock	5R730-00N
Empty with Metal Door and One Lock/Key	5R740-00N
Empty with Smoked Polycarbonate Door, No Lock	5R760-00N

Rack Mount Panels, 6 Rack Units High (6RU)—10 1/2" H x 19" W x 12" D U

DESCRIPTION	CAT. NO.
Empty with Metal Door, No Lock	5R930-00N
Empty with Metal Door and One Lock/Key	5R940-00N
Empty with Smoked Polycarbonate Door, No Lock	5R960-00N

Fiber Panel Accessories

Slide Rail Kit for 3RU or 6RU Fiber Rack Mount Panels Only	5S100-SLM
3RU Fiber Rack Mount Replacement Metal Door	5D000-2RM
3RU Fiber Port Rack Mount Replacement Smoked Poly Door	5D000-2RP
Add security to an existing door for this panel — simply remove the black plastic plug on the door front, and replace with lock mechanism. Lock and Key	5L000-LOK

Note: All STOCK configurations of this rack mount panel are sold “empty”, or without any bulkheads installed. Capacity is dependent upon configuration of bulkheads. Rack mount panels DO include grounding/strain relief, grommets, labels, 8 or 16 blank plastic bulkheads, and the appropriate number of cable management rings.

Note: For bulkheads and accessories, see page S28.

Wall Mount Fiber Optic Patch Panels

See Fiber Density Chart on page S28

Unique cable management ring is adjustable and stackable to simplify fiber loop installation, bend radius compliance, and future maintenance/additions. Stores 3 meters of 900 micron fiber per coupling

Door is L-shaped for maximum access to bulkheads through the open sidewall

Door options:

- *Split with single lock*
- *Split with two locks (custom option)*
- *Solid with single lock*
- *Solid without lock*

Houses 6 and 12 fiber bulkheads for assorted fiber or multimedia Applications. See chart

Sidewall cutout gives completely unobstructed access to the bulkheads when door is open (covered when door is closed)

Small Wall Mount Panels—8" H x 13" W x 3½" D U

DESCRIPTION	CAT. NO.
Empty with Solid Metal Door, No Lock	5W110-00N
Empty with Split Metal Door and One Lock/Key	5W120-00N
Empty with Solid Metal Door and Lock/Key	5W170-00N

Medium Wall Mount Panels—14" H x 12" W x 5¼" D U

Empty with Solid Metal Door, No Lock	5W310-00N
Empty with Split Metal Door and One Lock/Key	5W320-00N
Empty with Solid Metal Door and One Lock/Key	5W370-00N

Large Wall Mount Panels—17" H x 15" W x 5¼" D U

Empty with Solid Metal Door, No Lock	5W710-00N
Empty with Split Metal Door and One Lock/Key	5W720-00N
Empty with Solid Metal Door and One Lock/Key	5W770-00N

Add-on Lock and Key

Add security to an existing metal door for this panel — simply remove the black plastic plug on the door front, and replace with lock mechanism. Lock and Key	5L000-LOK

Note: All STOCK configurations of this wall-mount panel are sold “empty”, or without any bulkheads installed. Capacity is dependent upon configuration of bulkheads. The wall mount panels DO include grounding/strain relief, grommets, labels, 8 or 16 blank plastic bulkheads, and the appropriate number of cable management rings. Large Wall Mount Panel includes 8 blank plastic bulkheads.

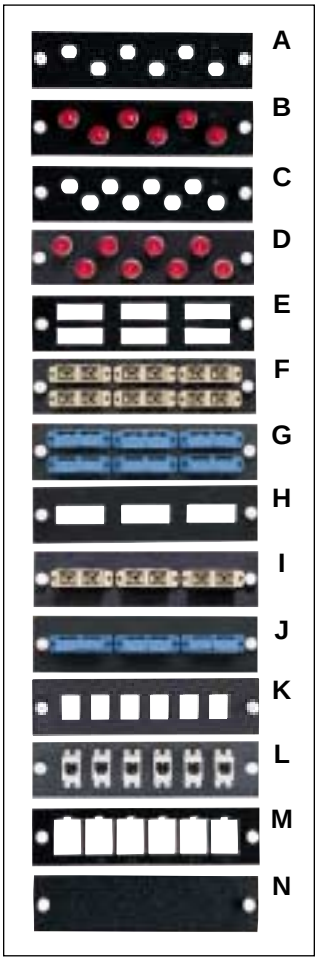
Note: For bulkheads and accessories, see page S28.

Fiber Optic Patch Panel Accessories

Individual Six-, Eight- and Twelve-Fiber Mounting Plates

	DESCRIPTION	CAT. NO.
A	**Unloaded Prepunched ST Mounting Plate, 6-Pack**	5F100-0ST
B	**Loaded SM/MM ST Mounting Plate, 6-Pack, Phosphor-Bronze Sleeve**	5F100-1ST
C	**Unloaded Prepunched ST Mounting Plate, 8-Pack**	5F100-NST
D	**Loaded SM/MM ST Mounting Plate, 8-Pack, Phosphor-Bronze Sleeve**	5F100-8ST
E	**Unloaded Prepunched Duplex SC Mounting Plate, 6-Pack**	5F100-0SC
F	**Loaded Duplex SM/MM SC Mounting Plate, 6-Pack, Phosphor-Bronze Sleeve, Beige**	5F100-6BC
G	**Loaded Duplex SM/MM SC Mounting Plate, 6-Pack, Phosphor-Bronze Sleeve, Blue** **Loaded Duplex SM/MM SC Mounting Plate, 6-Pack, Zirconia Ceramic Sleeve, Blue**	5F100-CSC 5F100-6ZC
H	**Unloaded Prepunched Duplex SC Mounting Plate, 3-Pack**	5F100-3CE
I	**Loaded Duplex SM/MM SC Mounting Plate, 3-Pack, Phosphor-Bronze Sleeve, Beige**	5F100-3BC
J	**Loaded Duplex SM/MM SC Mounting Plate, 3-Pack, Phosphor-Bronze Sleeve, Blue**	5F100-3SC
	Loaded Duplex SM/MM SC Mounting Plate, 3-Pack, Zirconia Ceramic Sleeve, Blue	5F100-3ZC
K	**Unloaded MT-RJ Mounting Plate, 6-Pack**	5F100-0MT
L	**Loaded Dual-Polarity MT-RJ Mounting Plate, 6-Pack**	5F100-6MC
M	**QuickPort® Snap-In Connector Adapter Bulkhead** (QuickPort® Snap-In Connectors sold separately, page S1)	5F100-6QP
N	**Blank Metal Mounting Plate** **Blank Metal Plastic Plate**	5F100-BLK 5F100-BPP

LOADED = includes the specified couplings installed. **UNLOADED =** punched for but not including the specified couplings.
3-Pack, 6-Pack, 8-Pack= capacity of up to 3, 6 or 8 connectors, respectively.



Fiber Adapters

	DESCRIPTION	CAT. NO.
O	**ST Adapter w/ Phosphor-Bronze Sleeve (pkg of 50)**	49882-SAD
P	**SC Duplex Adapter (blue) w/ Zirconia Sleeve (pkg of 25)**	49884-SAD
	SC Duplex Adapter (blue) w/ Phosphor-Bronze Sleeve (pkg of 25)	49882-MAD
	SC Duplex Adapter (beige) w/ Phosphor-Bronze Sleeve (pkg of 25)	49882-BAD
Q	**MT-RJ Adapter (beige), pkg of 25**	49889-MAD

TECH NOTE — Fiber Density Chart

Rack Mount Options

LOW PROFILE 1RU—*Holds 1 High-Density Bulkhead with or w/o 2 Mounting Plates*

[B] **6-pack ST =** up to 12 Fibers
[D] **8-pack ST =** up to 16 Fibers
[I,J] **3-pack Duplex SC =** up to 12 Fibers
[F,G] **6-pack SC =** up to 24 Fibers
[L] **6-pack MT-RJ =** up to 24 Fibers

2RU—*Holds Up to 12 Mounting Plates*

[B] **6-pack ST =** up to 36 Fibers
[D] **8-pack ST =** up to 48 Fibers
[I,J] **3-pack Duplex SC =** up to 36 Fibers
[F,G] **6-pack SC =** up to 72 Fibers
[L] **6-pack MT-RJ =** up to 72 Fibers

3RU—*Holds Up to 12 Mounting Plates*

[B] **6-pack ST =** up to 72 Fibers
[D] **8-pack ST =** up to 96 Fibers
[I,J] **3-pack Duplex SC =** up to 72 Fibers
[F,G] **6-pack SC =** up to 144 Fibers
[L] **6-pack MT-RJ =** up to 144 Fibers

6RU—*Holds Up to 24 Mounting Plates*

[B] **6-pack ST =** up to 144 Fibers
[D] **8-pack ST =** up to 192 Fibers
[I,J] **3-pack Duplex SC=** up to 144 Fibers
[F,G] **6-pack SC =** up to 288 Fibers
[L] **6-pack MT-RJ =** up to 288 Fibers

Wall Mount Options

SMALL—*Holds Up to 2 Mounting Plates*

[B] **6-pack ST =** up to 12 Fibers
[D] **8-pack ST =** up to 16 Fibers
[I,J] **3-pack Duplex SC =** up to 12 Fibers
[F,G] **6-pack SC =** up to 24 Fibers
[L] **6-pack MT-RJ =** up to 24 Fibers

MEDIUM—*Holds Up to 4 Mounting Plates*

[B] **6-pack ST =** up to 24 Fibers
[D] **8-pack ST =** up to 32 Fibers
[I,J] **3-pack Duplex SC =** up to 24 Fibers
[F,G] **6-pack SC =** up to 48 Fibers
[L] **6-pack MT-RJ =** up to 48 Fibers

LARGE—*Holds Up to 12 Mounting Plates*

[B] **6-pack ST =** up to 72 Fibers
[D] **8-pack ST =** up to 96 Fibers
[I,J] **3-pack Duplex SC=** up to 72 Fibers
[F,G] **6-pack SC =** up to 144 Fibers
[L] **6-pack MT-RJ =** up to 144 Fibers

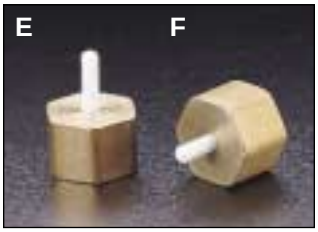
A

B

C

D

E F



G

Universal Fiber Optic Tool Kits

A Universally (Singlemode/Multimode) compatible and designed with the help of field technicians—Leviton's Universal Fiber Optic Tool Kits are designed for use with any Thread-Lock connector: SC, ST or FC. They come in their own compact lightweight case, complete with an inspection scope, buffer remover, polishing pad, safety glasses, scissors, jacket stripper, polishing fixture and music wire. The Standard kit includes a scribe tool, while the Tool Kit Plus comes with the new Thread-Lock® Versa-Cleave™ cleave tool. Leviton's state-of-the-art 200x inspection scope, which ships with both kits, has laser eye protection and is suitable for both single- and multi-mode applications. An expansion kit is available (below) with additional tools for installing Leviton Spectro-Link MT-RJ connectors.

Universal Fiber Optic Tool Kit Plus

	DESCRIPTION	CAT. NO.
A	**Universal Fiber Optic Tool Kit Plus (includes Thread-Lock Versa-Cleave Tool)**	49800-UTP
	Universal Fiber Optic Tool Kit	49800-UTK

Spectro-Link MT-RJ Fiber Optic Tool Kits

B-C Suitable for installing Spectro-Link MT-RJ connectors, the Spectro-Link MT-RJ Fiber Optic Tool Kit comes in its own compact, lightweight case, complete with Buffer Removers (2), Jacket Strippers, Scissors, Piano Wire, Safety Glasses, Gauge, Marking Pen, Opt-X 20/20 lenses, Lead-In Crimp Tool, Frame-Station Assembly Tool, Thread-Lock Versa-Cleave Tool and 2 Spectro-Link MT-RJ adapters for the Thread-Lock® Versa-Cleave™ tool (for Workstation and Frame-Station connectors). A more limited Accessory Kit expands your existing Universal Fiber Optic Tool Kit Plus to add MT-RJ capability.

Individual Fiber Optic Tools & Components sold separately, see page S30.

Spectro-Llink MT-RJ Fiber Optic Tool Kit

	DESCRIPTION	CAT. NO.
B	**Spectro-Link MT-RJ Fiber Optic Tool Kit**	49800-SLT
C	**Spectro-Link MT-RJ Fiber Optic Accessory Kit**	49800-SLA

Thread-Lock® Versa-Cleave™ Tool

D-F Leviton's Thread-Lock Versa-Cleave tool features a diamond cutting blade that cleaves fiber perfectly every time, eliminating the need for a complicated scribe and break procedure. The ergonomic stop-watch design fits comfortably in the hand, works with any style or brand of 2.5mm ferrule connector, and cleaves with a simple push of the button. Versa-Cleave also features a convenient integrated debris cup to catch and retain dangerous fiber cuttings until they can be safely disposed of. Two adapters, ordered separately or as a kit, allow Versa-Cleave to cut to perfect lengths for Spectro-Link MT-RJ Workstation and Frame-Station connectors. Versa-Cleave can be ordered seperately, or as part of the Universal Tool Kit Plus. Not recommended for epoxy-style connectors.

Thread-Lock® Versa-Cleave™

	DESCRIPTION	CAT. NO.
D	**Thread-Lock Versa-Cleave Tool**	49886-TVA
E	**Versa-Cleave Adapter for Spectro-Link MT-RJ Workstation Connector**	49886-VWA
F	**Versa-Cleave Adapter for Spectro-Link MT-RJ Frame-Station Connector**	49886-VFA
	Versa-Cleave Adapter Kit for Spectro-Link MT-RJ (includes 49886-VWA and VFA)	49886-VSA

Fiber Optic Fan-Out Kit

G Protect your bare fiber and prepare loose-tube cable for direct termination with these simple 6- or 12-fiber kits. Available in 24" or 36" lengths. Kits separate 250 µm fibers and route them into color-coded 900 µm buffer tubes. No proprietary tools required. Can be used with any manufacturers loose-tube cabling, and any industry standard connectors.

Fiber Optic Fan-Out Kit

	DESCRIPTION	CAT. NO.
G	**24" Fiber Optic Fan-Out Kit, 6-Fiber**	49887-065
	24" Fiber Optic Fan-Out Kit, 12-Fiber	49887-165
	36" Fiber Optic Fan-Out Kit, 6-Fiber	49887-06L
	36" Fiber Optic Fan-Out Kit, 12-Fiber	49887-12L

Tightening Tools

A-B Available in two styles, FC and Combination SC/ST, tightening tools help simplify Thread-Lock connectorization by providing a wider gripping area to make it easier to tighten the connector plug. The tightening tools also protect the exposed fiber during the tightening process. The Combination tightening tool has an SC-style end and an ST-style end, for greater convenience and flexibility.

Tightening Tool

DESCRIPTION	CAT. NO.
A **ST/SC Combination Tightening Tool**	49886-CTT
B **FC Tightening Tool**	49883-FCT

Safety Pad

C The pad features rubber material to provide a flexible, shatterproof, non-slip surface—sized perfectly for terminating Thread-Lock® or Spectro-Link™ Fiber Optic Connectors.

Safety Pad

DESCRIPTION	CAT. NO.
C **Safety Pad**	49886-SPD

200x Inspection Scope

D The Leviton 200x Inspection Scope features oblique viewing technology and 200X magnification which allow techs to view MM and SM end-face polishes safely, and reduces the chances of over-polishing (a side-effect of many co-axial inspection scopes). Also provides full laser eye protection through wavelengths of 850-1550 nanometer, and a rugged construction that stands up to jobsite abuse.

200x Inspection Scope

DESCRIPTION	CAT. NO.
D **200x Inspection Scope**	49886-FSP

Consumable Kits

E The Consumable Kit contains the highest quality lapping film available, and also includes polyester wipes, alcohol pads, 1- and 12-micron film (and 0.3 micron film in the single-mode kit), and music wire. Available in singlemode or multimode versions.

Consumable Kits

DESCRIPTION	CAT. NO.
E **Singlemode Fiber Optic Consumable Kit**	49800-SCK
Multimode Fiber Optic Consumable Kit	49800-MCK

Splice Tray Kits

DESCRIPTION	CAT. NO.
F **12-Splice Ditel™ Splice Tray Kit**	5T000-00T
Comes standard with Fusion/Heatshrink Splice Holders;	
Fibrlok™ Splice Holder is available below	
Fibrlok™ Splice Holder	5T000-3MT
AT&T™ Rotary Splice Holder	5T000-ATT

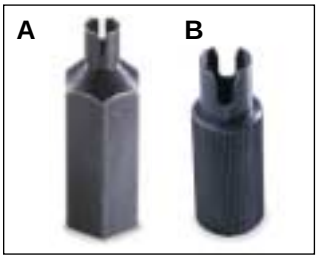
Extra Cable Management Rings

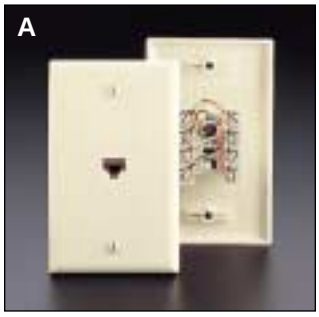
DESCRIPTION	CAT. NO.
G **Additional Fiber Cable Management Rings (Pkg of 2)—Can be stacked on top of existing rings for additional cable storage management**	5R100-0FR

H The SC Duplex Clip allows you to keep two assembled Thread-Lock SC connectors together to maintain "transmit/receive" fiber integrity.

SC Duplex Clip

DESCRIPTION	CAT. NO.
H **SC Duplex Clip**	49884-DPC





Standard Flush Mount Jacks

Flush mount jacks are available in smooth-finish single-jack or duplex models, and Decora® styles. All feature one-piece construction and install easily in standard electrical boxes. Many are available in both standard plate sizes (2 3⁄4" W x 4 1⁄2" H x 3⁄16" D) and Midway plate sizes (3⁄8" greater in height and width), in a variety of colors.

Type 625B4 Modular Wall Jack

A Includes jack, plate, and mounting hardware. Fits standard NEMA wallboxes. Screw terminals. UL Listed and CSA Certified.

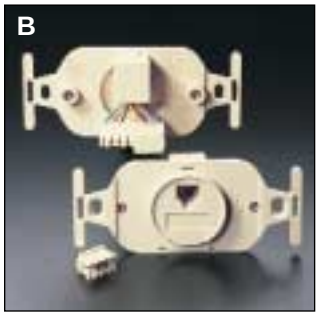
Type 625B4 Modular Wall Jack—Smooth Finish U S

	STANDARD				MIDWAY PLATE		
DESCRIPTION	BROWN	IVORY	WHITE	ALMOND	BROWN	IVORY	WHITE
6-Position, 4-Conductor	40249†	40249-I†	40249-W†	40249-A	40549	40549-I	40549-W
6-Position, 6-Conductor	———	40238-I†	40238-W†	———	———	40538-I	40538-W
8-Position, 8-Conductor	———	40280-I	40280-W	———	———	40580-I	40580-W

Type 625B4 Modular Wall Jack—Smooth Finish, alternate construction (not shown) U S

DESCRIPTION	IVORY	WHITE	GRAY	ALMOND	BROWN
6-Position, 4-Conductor	4625B-44I	4625B-44W	4625B-44G	4625B-44A	4625B-44
6-Position, 6-Conductor	4625B-46I	4625B-46W	4625B-46G	———	———
8-Position, 8-Conductor	4625B-48I	4625B-48W	———	———	———

Note: Robertson/Slot Drive screws available for 4625B series, call customer service for ordering information.
† These products are UL Listed only.



Type 105 Flush Mount Modular Wall Jack with 110-Type Termination

B The 105 single-port flush mount jack fits a standard single opening (1.406" diameter) electrical wallplate. It is available in 4-, 6-, or 8-conductor configurations for voice and data, with the 8conductor keyed version typically used for data. Mounts easily in standard single-, double-, or multigang electrical boxes, most floor monuments, and many cellular or raised floor boxes. Installs quickly using industry standard 110-type insulation displacement connectors for 22–26 AWG inside wiring. UL Listed, CSA Certified, and meets FCC Part 68 requirements.

Type 105 Flush Mount Modular Wall Jack U S

DESCRIPTION	PORT DESIGNATION	IVORY	WHITE	GRAY
One 6-Position, 4-Conductor Jack	———	41054-IDD	———	———
One 6-Position, 6-Conductor Jack	———	41056-IDD	41056-WDD	———
One 8-Position, 8-Conductor Jack, US0C	———	41058-IDD	———	———
One 8-Position, 8-Conductor Jack, T568B 3	———	41058-IDA	41058-WDA	41058-GDA

Note: Wallplate ordering information can be found in Section G.

Type 625D F-Connector Wallplates

C F-Connector wallplates have one or two F-Connectors. Wallplates have a smooth finish. UL Listed and CSA certified.

F-Connector Wallplate U S

DESCRIPTION	IVORY	WHITE	ALMOND
Flush-Mount Single F-Conductor	80781-I	80781-W	80781-A
Flush-Mount Duplex F-Conductor	80782-I	80782-W	80782-A

Type 106 Duplex Flush Mount Modular Jack with 110-Type Termination

A The Type 106 duplex jack accommodates two voice and/or data terminals in the same jack location, using standard duplex electrical wallplates. Jack choices include 4-, 6-, and 8-conductor modular jacks for voice or data, with 8conductor keyed versions typically used for data. Mounts easily in standard electrical boxes, most floor monuments, raceways, and many cellular or raised floor boxes without adapters. May be ganged for multiple-port applications. Installation is fast and easy with 110-type insulation displacement connectors for 22–26 AWG inside wiring. UL Listed, CSA Certified, and meets FCC Part 68 requirements.

Type 106 Flush Mount Modular Wall Jack U S

DESCRIPTION	PORT DESIGNATION		IVORY	WHITE	GRAY
Two 4-Conductor USOC Jacks, One with "Line 1" Designation, and One with "Line 2" Designation	Line 1	Line 2	41364-IDI	41364-IDW	41364-IDG
Two 6-Conductor USOC Jacks, One with "Line 1" Designation, and One with "Line 2" Designation	Line 1	Line 2	41366-IDI	41366-IDW	41366-IDG
One 6-Conductor USOC Jack with "Voice" Designation, and One 8-Conductor T568B Category 3 Compliant Jack with "Data" Designation 3	Voice	Data	41365-IDI	———	———
Two 8-Conductor USOC Jacks, One with "Line 1" Designation, and One with "Line 2" Designation	Line 1	Line 2	41368-IDI	———	———
Two 8-Conductor T568B Category 3 Compliant Jacks, One with "Line 1" Designation, and One with "Line 2" Designation 3	Line 1	Line 2	41367-IDI	41367-IDW	———
Two 8-Conductor T568B Jacks, One with "Voice" Designation, and One with "Data"Designation 3	Voice	Data	41361-IDI	———	———
One 8-Conductor T568B Jack with "Voice" Designation, and One 8-Conductor keyed T568B Jack with "Data" Designation 3	Voice	Data	41360-IDI	———	———

Note: Wallplate ordering information can be found in Section G.

MATERIAL CHARACTERISTICS

Flush Mount Modular Jacks

- Housing: High-impact, fire-retardant plastic rated UL 94V0.
- Spring wire contacts: Phosphor bronze, plated with 50 microinches hard gold over 100 microinches nickel.
- Wire leads: PVCinsulated, tinned solid copper.
- Mounting screws: Combination Phillips/straight blade head.

Surface Mount Jacks

Type 103 Surface Mount Modular Jack, 110-Type Termination

B The 103 single-port surface mount jack accommodates one telecommunications or data port. It is available in 4-, 6-, or 8-conductor configurations for voice and data, with 8-conductor keyed version typically used for data. Installation is fast and easy with industrystandard 110-type insulation displacement connectors. The 103 surface mount jack mounts easily on most walls, floors, and office furniture using screws or doublesided tape (both included), or optional magnets (see page S11). UL Listed, CSA Certified, and meets FCC Part 68 requirements.

Type 103 Single-Port Surface Mount Modular Jack U S

DESCRIPTION	IVORY	WHITE
6-Position, 4-Conductor Jack	41034-IDA	———
6-Position, 6-Conductor Jack	41036-IDA	———
6-Position, 8-Conductor USOC Jack	41038-IDA	———
6-Position, 8-Conductor T568B Category 3 Compliant Jack	41038-IDB	41038-WDB

MATERIAL CHARACTERISTICS

103 & 104 Jacks

- Housings: High-impact, fire-retardant plastic rated UL 94V0.
- Spring wire contacts: Phosphor bronze, plated with 50 microinches gold over 100 microinches nickel.
- 110 clips: Solderplated phosphor bronze.

Wall Phone Jacks

- Housings: High-impact, fire-retardant plastic rated UL 94V-0.
- Spring wire contacts: Phosphor bronze plated with 50 microinches gold over 100 microinches nickel.
- Wire leads: PVC-insulated 26 AWG solid copper.
- Terminals: Brass.
- Screws and washers: Nickel-plated steel.

Type 104 Duplex Surface Mount Modular Jack, 110-Type Termination

A The 104 Duplex Surface Mount Jack accommodates two voice and/or data ports. It is available in 4-, 6-, or 8-conductor configurations for voice and data, with 8-conductor keyed version typically used for data. The 104 jack installs quickly using 110-type insulation displacement connectors for 22–26 AWG inside wiring. User instructions and basic wiring layouts for standard configurations are included. Mount the 104 jack easily on most walls, floors, and office furniture using screws or doublesided tape (both included), or optional magnets (see page S11). UL Listed, CSA certified, and meets FCC Part 68.

Type 104 Duplex Surface Mount Modular Jack U S

DESCRIPTION	PORT DESIGNATION		IVORY
Two 4-Conductor Jacks, One with "Line 1" Designation, and One with "Line 2" Designation	Line 1	Line 2	41044-IDA
Two 6-Conductor Jacks, One with "Line 1" Designation, and One with "Line 2" Designation	Line 1	Line 2	41046-IDA
One 6-Conductor Jack with "Voice" Designation, and One 8-Conductor T568B Category 3 Compliant Jack with "Data" Designation 3	Voice	Data	41086-IDB
Two 8-Conductor USOC Jacks, One with "Line 1" Designation, and One with "Line 2" Designation	Line 1	Line 2	41048-IDA
Two 8-Conductor T568B Category 3 Compliant Jacks, One with "Line 1" Designation, and One with "Line 2" Designation 3	Line 1	Line 2	41048-IDB
Two 8-Conductor T568B Category 3 Compliant Jacks, one keyed and one non-keyed, both with "Data" Designation 3	Data	Data	41088-IDB

Note: Wallplate ordering information can be found in Section G.

Wall Phone Jacks

Type 630A Quick-Connect Wall Phone Jack with Plastic Wallplate

B Features quick-connect terminals, screw-on wallplate, metal bracket, mounting lugs, and installation tool. Removable lugs and color-matched plastic inserts (included) permit conversion from wall phone jack to flush mount jack. UL Listed and CSA Certified.

Type 630A Quick-Connect Wall Phone Jack with Plastic Wallplate

DESCRIPTION	IVORY	WHITE	GRAY	ALMOND
6-Position, 4-Conductor Jack	40253-I	40253-W	40253-G	40253-A
6-Position, 6-Conductor Jack	40263-I	40263-W	———	———

Type 630A Quick-Connect Wall Phone Jack with Plastic Wallplate

C Includes 4-or 6-conductor jack with screw terminals, stainless steel screw-on wallplate. mounting screws and installation tool.

Type 630A Quick-Connect Wall Phone Jack with Stainless Steel Wallplate

DESCRIPTION	STAINLESS STEEL
6-Position, 4-Conductor Jack w/ QuickPort Terminations	40223-S
6-Position, 6-Conductor Jack w/ Screw Terminations	40226-S

Video Accessories

Twist-On F-Connectors

A-C Terminates 75 Ohm coaxial cable with a twist-on male F-Connector. No crimping tool is required. Both RG-59 and RG-6 versions available.

Twist-On F-Connectors

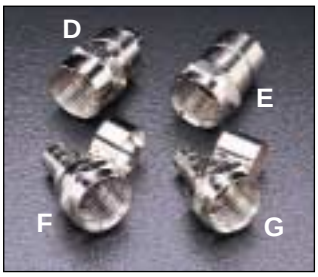
DESCRIPTION	CAT. NO.
A **6-High Performance EZ-Twist Quad Shield F-Connector (bag of 100 w/ 4 Install. Tools)**	40985-HQ6
B **Twist-On Connector for RG-59 (bag of 100)**	40985-TW9
C **Twist-On Connector for RG-6 (bag of 100)**	40985-TW6

1-Piece and 2-Piece Crimp-On F-Connectors

D-G Terminates 75 Ohm coaxial cable with a crimp-on male F-Connector. A crimping tool (see page S36) is required. Comes in either a 2-piece version with separate crimp ring, or a one-piece version with crimp ring attached. Both RG-59 and RG-6 versions available.

Crimp-On F-Connectors

DESCRIPTION	CAT. NO.
One-Piece Crimp-On Connector for Quad Shield (not shown) bag of 100	40985-Q6
D **One-Piece Crimp-On Connector for RG-59 (bag of 100)**	40985-1P9
E **One-Piece Crimp-On Connector for RG-6 (bag of 100)**	40985-1P6
F **Two-Piece Crimp-On Connector for RG-59 (bag of 100)**	40985-2P9
G **Two-Piece Crimp-On Connector for RG-6 (bag of 100)**	40985-2P6



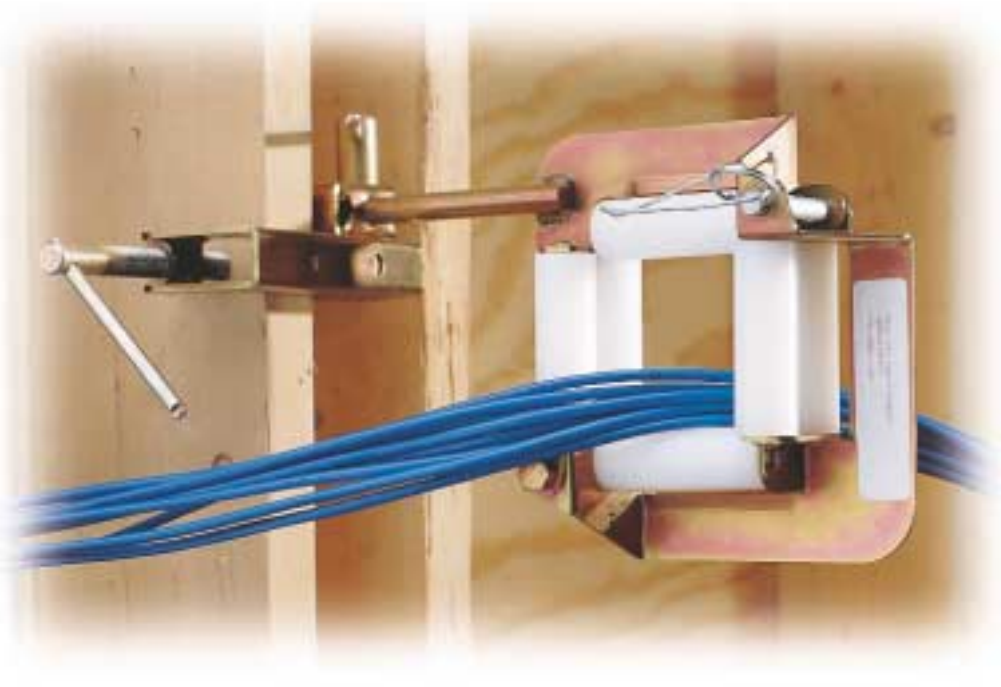
In-Line Coupler

H Double female F-Connector for use in splicing two cable runs together. Attaches to male F-Connectors.

In-Line Splice Coupler

DESCRIPTION	CAT. NO.
H **In-Line Splice Coupler (Bag of 100)**	40986

Note: Retainer nut for wallplate mounting not provided.



Cable Joe® Clamp-On Cable Router

The best solution available for pulling cables around corners

- *Saves time and money by preventing cable damage, and allowing more effective use of installation personnel*
- *Mounts onto any surface: trays, joists, or lag bolts to walls*
- *Routes up to 20 cables at once—even around 90° angles*
- *Made of heavy duty 12 gauge cold rolled steel with 6-roller design to pull cables smoothly and easily*
- *Opens simply and closes securely with quick-release pin*

Cable Joe Clamp-On Cable Router

DESCRIPTION	CAT. NO.
Cable Joe Clamp-On Cable Router	49001-JOE

Tone Test Set

A Use the Leviton Tone Test Set in low voltage wire applications to test for continuity, check for shorts or opens, and provide talk battery for a communication line on a vacant pair. Connect toner across a wire pair and set to transmit either a continuous 1000 Hz or alternating 500/1000 Hz tone. Use with the Speaker Probe (below) to trace pairs and locate broken pairs/cables in walls.

Leviton Tone Test Set also identifies Tip and Ring polarity, line conditions for CLEAR LINE with dial tone, BUSY LINE and RINGING LINE. Enhanced features include "O" ring seals on the case and test leads for water resistance, support leash to prevent strain on the test leads, tri-color LED for all test indications, and durable nylon-braided tinsel wire test leads to ensure a long service life. Telco-standard, 6A-type alligator clips with piercing pins securely grip 66-clips, screw heads, screw bodies and wire-wrapped or threaded terminals. A 6-position, 2-conductor plug lead is also provided for connection to modular jacks.

Inductive Speaker Probe

B The streamlined Inductive Speaker Probe detects audible frequency tones quickly for accurate tracing and identification of wires, cables and metallic circuits. Use with the Tone Test Set (above) to trace and isolate pairs in virtually any type of wire application, without damage to the insulation. Speaker Probe identifies the following: single wires or individual pairs in multiple-pair cables at terminals or closures; station wiring or cables to specific equipment in closets or on distribution frames; and the ends of drop wires. It can also be used to locate prewiring or opens in wires after wall covering is installed. The Probe features both needlepoint and duckbill tips and a non-locking slide switch.

Tone Test Set, Inductive Speaker Probe— Individual Items and Combinations

DESCRIPTION	CAT. NO.
A **Tone Test Set (includes 9 Volt Battery)**	49560-TTS
B **Inductive Speaker Probe only (includes 9 Volt Battery; One Duckbill Tip; and One Needlepoint Tip)**	49561-SSP
C **Leather Belt Holster for Tone Test Set**	49560-LCC
D **Leather Belt Holster for Inductive Speaker Probe**	49561-LCC
Spare Duckbill Tip and Needlepoint Tip Set	49561-TIP
Kit containing Tone Test Set with Belt Holster, and Inductive Speaker Probe with Belt Holster	49562-TSK
Kit containing 5 Tone Test Sets with Belt Holsters, and Inductive Speaker Probes with Belt Holsters	49562-KIT

Crimping Tool for Coaxial Connectors

E For use in crimping coaxial connectors onto RG-59 or RG-6 cables. Rugged metal construction with cushioned handles. Carded package for display in merchandising racks.

Crimping Tool for Coaxial Connectors

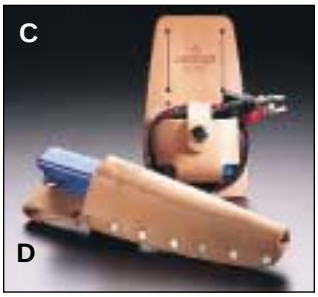
DESCRIPTION	CAT. NO.
E **Crimping Tool for Coaxial Connectors**	40988

UTP Stripping Tool

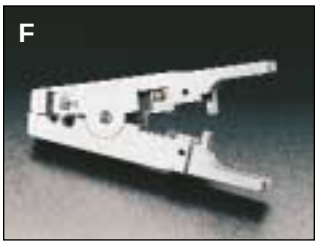
F Use this versatile tool to strip unshielded twisted pair (UTP) cable.

UTP Stripping Tool

DESCRIPTION	CAT. NO.
F **Stripping Tool**	49660-C



Optional leather belt holsters.



MATERIAL CHARACTERISTICS

Tone Test Set and Inductive Speaker Probe

- Housings: High-impact, fire-retardant plastic rated UL 94V-0
- Power Source: 9 volt battery (NEDA 1604 equivalent) included. (Note: The Tone Test Set is shipped with its battery disconnected to prevent battery drain.)
- Tone Test Set cords: Two 12-inch length, nylon-braided tinsel wire; one 9-inch length, silver satin, with 6-position, 2-conductor modular plug
- Tone Test Set clips: Nickel silver 6A-type with heavy-duty rubber boots

Craftsperson's Handset

A This handset is used by installers, repair technicians, and other authorized personnel for basic line testing and essential on-site temporary communications. Line-powered to provide either DTMF (Touch Tone) or dial pulse output. Features all standard 'buttset' line tests, including polarity check, line monitoring, and signalling.

Craft Person's Handset

DESCRIPTION	CAT. NO.
A **Craft Person's Handset**	49575-CTS

D814 Wire Punchdown/Termination Tool

B The D814 is a versatile punchdown/termination tool with changeable blades (sold separately) that enables installers to make reliable connections on a variety of wire termination blocks. A simple push on the handle accomplishes punchdown termination in one simple operation. An adjustable impact setting allows you to terminate wire with less effort than other impact tools. Handle can be fitted with several interchangeable custom blades to cover many termination types: 110 IDC, 66-clip, Krone, BIX (Northern Telecom BIX system), and an awl (woodscrew starter punch). A spare blade can be kept in a storage chamber in the handle.

D814 Tool Blades

C-D These special application blades are for use with the D814 impact tool for terminating 22, 24 or 26 gauge wire. Made of durable stainless steel. Krone and BIX blades feature scissor-action trimming.

D814 Wire Punchdown/Termination Tool and D814 Tool Blades

DESCRIPTION	CAT. NO.
B **D814 Wire Punchdown/Termination Tool**	49553-814
C **110 IDC Blade**	49553-110
D **66-Clip Blade**	49553-066
E **BIX® Blade**	49553-BIX
F **Krone® Blade**	49553-KRN
G **Awl (Woodscrew Starter Punch)**	49553-AWL

Termination Tool (66-BT)

H This 'pocket friendly' tool quickly punches down 20 through 26 gauge unstripped wire in devices using 66-clip terminals. It adjusts to accommodate variation in wire size and blade sharpness. Replaceable blades reverse to let you terminate and cut wire in a single stroke, or terminate without cutting.

Replacement Blade for Termination Tool (66-BT02)

I The replaceable stem for the termination tool blade.

Replacement Blade for Termination Tool (66-BT01)

J This blade reverses so wires can be terminated and cut, or terminated without cutting. It also adjusts to accommodate variation in wire size or blade sharpness.

Termination Tool, Replacement Stem and Replacement Blade

DESCRIPTION	CAT. NO.
H **Termination Tool (66-BT)**	46666-BT
I **Replacement Stem for Termination Tool (66-BT02)**	46666-BTS
J **Replacement Blade for Termination Tool (66-BT01)**	46666-BTB

Note: Numbers in parentheses refer to industry product designation.

Modular Plug Breakout Adapter

K For testing any 6- or 8-position modular jack with the Tone Test Set or Craftsperson's Handset. Includes contacts to connect, via alligator clip leads, to any test apparatus or Lineman's Test Set. Can be used in series with any cable with a 6- or 8-conductor modular plug.

Modular Plug Breakout Adapter

DESCRIPTION	CAT. NO.
K **Modular Plug Breakout Adapter**	40070-MDP

OPTX™ FIBER CABLING SYSTEM

Universal Fiber Optic Tool Kits

Universally (Singlemode/Multimode) compatible and designed with the help of field technicians—Leviton's Universal Fiber Optic Tool Kits are designed for use with any Thread-Lock® connector: SC, ST or FC. They come in their own compact lightweight case, complete with an inspection scope, buffer remover, polishing pad, safety glasses, scissors, jacket stripper, polishing fixture and music wire. The Standard kit includes a sapphire scribe tool, while the Tool Kit Plus comes with the new Thread-Lock® Versa-Cleave™ cleave tool. Leviton's state-of-the-art 200x inspection scope, which ships with both kits, has laser eye protection and is suitable for both single- and multimode applications. An expansion kit is available (below) with additional tools for installing Leviton Spectro-Link™ MT-RJ connectors.

The award-winning Thread-Lock Versa-Cleave, included in the Universal Fiber Optic Tool Kit Plus.

Universal Fiber Optic Tool Kit Plus

DESCRIPTION	CAT. NO.
Universal Fiber Optic Tool Kit Plus, Shown above (includes Versa-Cleave™)	49800-UTP
Universal Fiber Optic Tool Kit	49800-UTK

Individually Sold Fiber Optic Tools and Components

STANDARD FIBER OPTIC TERMINATION TOOLS	CAT. NO.
A **200x Inspection Scope**	49886-FSP
100x Inspection Scope	49886-SCP
Sapphire Scribe	49886-SCR
B **900 Micron Buffer Remover**	49886-BR9
C **12 Micron Aluminum Oxide Lapping Film, 100/Pack**	49886-12F
1.0 Micron Aluminum Oxide Lapping Film, 100/Pack	49886-01F
0.3 Micron Aluminum Oxide Lapping Film, 100/Pack	49886-X3F
D **3" x 6" Polishing Pad**	49886-PAD
E **Safety Glasses**	49886-GLS
F **Aramid Strand Scissors**	49886-SIS
G **Jacket Strippers**	49886-STP
H **Polishing Pack**	49886-PUC
I **Music Wire**	49886-WRE

Note: See S40 for more components

OPT-X™ FIBER CABLING SYSTEM

Thread-Lock Versa-Cleave and Adapters, included in the Spectro-Link MT-RJ Fiber Optic Tool Kit.

Spectro-Link™ MT-RJ Fiber Optic Tool Kits

Suitable for installing Spectro-Link MT-RJ connectors, the Spectro-Link MT-RJ Fiber Optic Tool Kit comes in its own compact, lightweight case, complete with Buffer Removers (2), Jacket Strippers, Scissors, Piano Wire, Safety Glasses, Gauge, Marking Pen, Opt-X™ 20/20 lenses, Lead-In Crimp Tool, Frame-Station Assembly Tool, Thread-Lock® Versa-Cleave™ Tool and 2 Spectro-Link MT-RJ adapters for the Thread-Lock® Versa-Cleave™ tool (for Workstation and Frame-Station connectors). A more limited Accessory Kit expands your existing Universal Fiber Optic Tool Kit Plus to add MT-RJ capability.

Spectro-Link MT-RJ Fiber Optic Tool Kits

DESCRIPTION	CAT. NO.
Spectro-Link MT-RJ Fiber Optic Tool Kit, shown above	49800-SLT
A **Spectro-Link MT-RJ Fiber Optic Accessory Kit**	49800-SLA

Individually Sold Fiber Optic Tools and Components

MT-RJ FIBER OPTIC TERMINATION TOOLS	CAT. NO.
B **Lightweight Carrying Case**	49886-CST
C **250 Micron Buffer Remover**	49886-BR2
D **900 Micron Buffer Remover**	49886-BR9
E **Jacket Strippers**	49886-STP
F **Aramid Strand Scissors**	49886-SIS
G **Music Wire**	49886-WRE
H **Safety Glasses**	49886-GLS
I **Strip Lenght Gauge**	49886-SLG
J **Marking Pen**	49886-SMO
Opt-X 20/20 Lenses	49886-OTT
K **Frame-Station Connector Assembly Tool**	49886-FIT
L **Workstation Connector Lead-In Crimp Tool**	49886-SLC

Note: See S40 for more components

Consumable Kits

M The Consumable Kit contains the highest quality lapping film available, and also includes polyester wipes, alcohol pads, 1- and 12-micron film (and 0.3 micron film in the single-mode kit), and music wire. Available in singlemode or multimode versions.

Consumable Kits

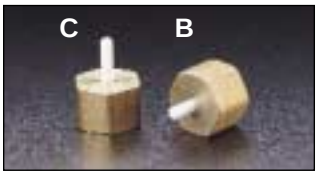
DESCRIPTION	CAT. NO.
M **Singlemode Fiber Optic Consumable Kit**	49800-SCK
Multimode Fiber Optic Consumable Kit	49800-MCK

Thread-Lock® Versa-Cleave™ Tool

A-C Leviton's Thread-Lock Versa-Cleave tool features a diamond cutting blade that cleaves fiber perfectly every time, eliminating the need for a complicated scribe and break procedure. The ergonomic stop-watch design fits comfortably in the hand, works with any style or brand of 2.5mm ferrule connector, and cleaves with a simple push of the button. Versa-Cleave also features a convenient integrated debris cup to catch and retain dangerous fiber cuttings until they can be safely disposed of. Two adapters, ordered separately, allow Versa-Cleave to cut to perfect lengths for Spectro-Link™ MT-RJ Workstation and Frame-Station connectors. Versa-Cleave can be ordered seperately, or as part of the Universal Tool Kit Plus.

Thread-Lock® Versa-Cleave™ Tool

DESCRIPTION	CAT. NO.
A **Versa-Cleave Tool**	49886-TVC
B **Versa-Cleave Adapter for Spectro-Link MT-RJ Workstation Connector**	49886-VWA
C **Versa-Cleave Adapter for Spectro-Link MT-RJ Frame-Station Connector**	49886-VFA

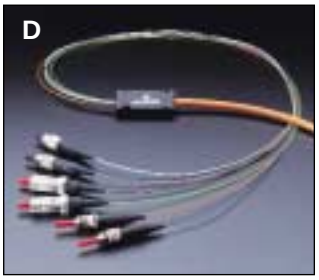


Fiber Optic Fan-Out Kit

D Protect your bare fiber and prepare loose-tube cable for direct termination with these simple 6- or 12-fiber kits. Available in 24" or 36" lengths. Kits separate 250 µm fibers and route them into color-coded 900 µm buffer tubes. No proprietary tools required. Can be used with any manufacturers loose-tube cabling, and any industry standard connectors.

Fiber Optic Fan-Out Kit

DESCRIPTION	CAT. NO.
D **24" Fiber Optic Fan-Out Kit, 6-Fiber**	49887-06S
24" Fiber Optic Fan-Out Kit, 12-Fiber	49887-12S
36" Fiber Optic Fan-Out Kit, 6-Fiber	49887-06L
36" Fiber Optic Fan-Out Kit, 12-Fiber	49887-12L

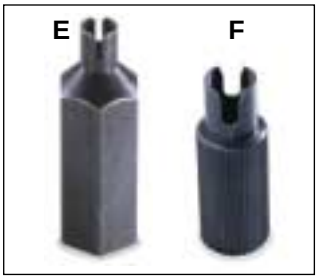


Tightening Tools

E-F Available in two styles, FC and Combination SC/ST, tightening tools help simplify Thread-Lock connectorization by providing a wider gripping area to make it easier to tighten the connector plug. The tightening tools also protect the exposed fiber during the tightening process. The Combination tightening tool has both an SC-style end and an ST-style end for greater convenience and flexibility.

Tightening Tools

DESCRIPTION	CAT. NO.
E **ST/SC Tightening Tool**	49886-CTT
F **SC Tightening Tool**	49883-FCT



Safety Pad

G The pad features rubber material to provide a flexible, shatterproof, non-slip surface—sized perfectly for terminating Thread-Lock® or Spectro-Link™ Fiber Optic Connectors.

Safety Pad

DESCRIPTION	CAT. NO.
G **Safety Pad**	49886-SPD

200x Inspection Scope

H The Leviton 200x Inspection Scope features oblique viewing technology and 200X magnification which allow techs to view MM and SM end-face polishes safely, and reduces the chances of over-polishing (a side-effect of many co-axial inspection scopes). Additionally, it provides full laser eye protection through wavelengths of 850-1550 nanometer, and a rugged construction that stands up to jobsite abuse.

200x Inspection Scope

DESCRIPTION	CAT. NO.
H **200x Inspection Scope**	49886-FSP

Structured Media System

Home Office, Home Theatre, Home Entertainment, Home Networking, Home Security, Home Technology–the definition of home is evolving. We expect more from our residences now than ever before, and a host of new words and concepts are entering our collective vocabulary to reflect that change. The wired home, once a novelty, has become essential–providing crucial access to advances such as high-speed internet, digital television and data networking. Advances that are becoming vital to functioning in the digital age.

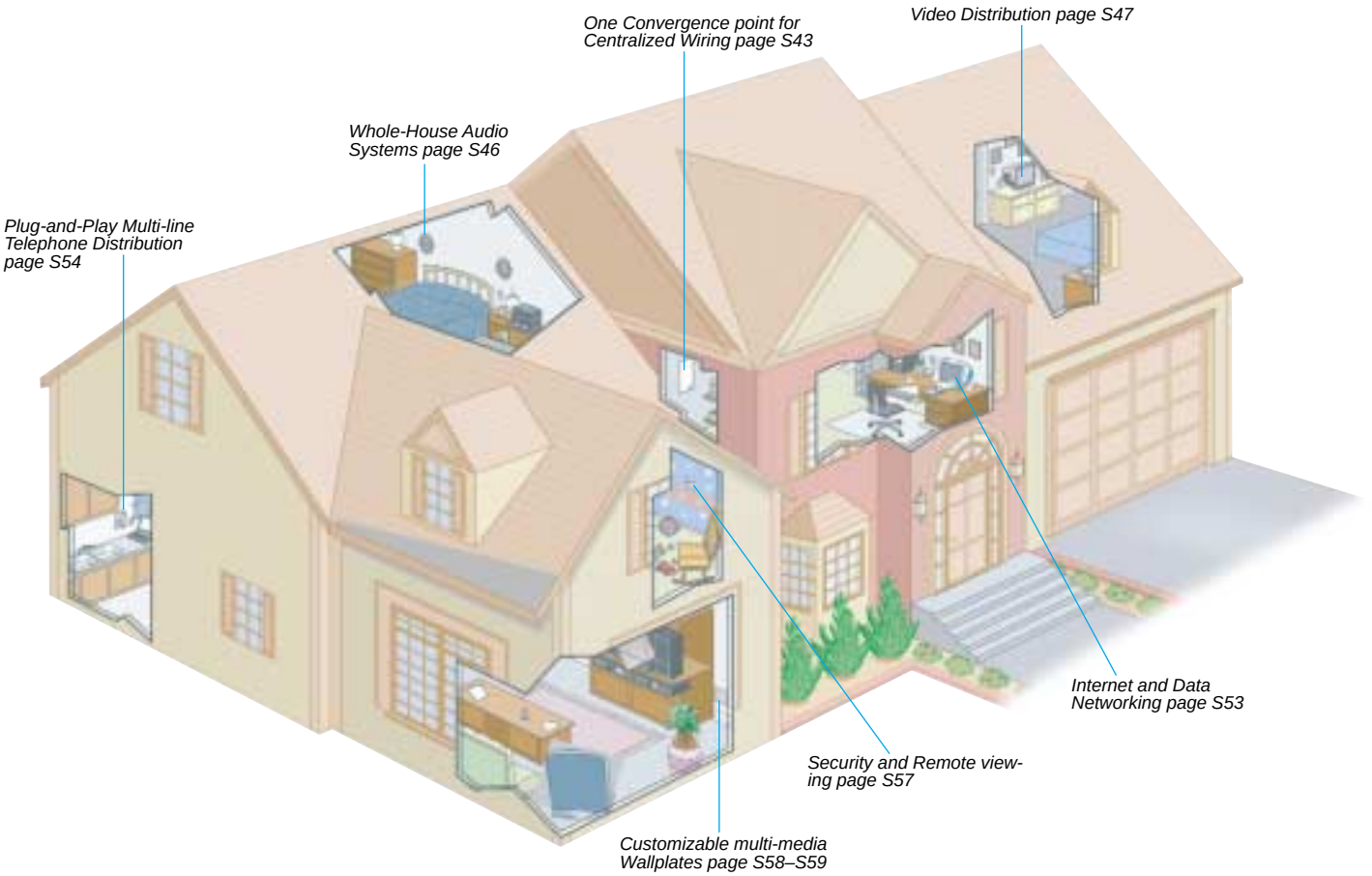
The challenge lies in creating an infrastructure that works with the systems already in a home, one that anticipates technological advances and lays the groundwork for the whole-house media system of the future. One that incorporates high-tech solutions such as category-rated cabling and components, and opens the door to future possibilities.

*The answer lies in the **Structured Media System** from Leviton.*

Structured Media Systems use an advanced, standards-compliant star topology to create one central convergence point in your home for all media and home electronics distribution. Simply run cables from individual rooms to one of a variety of Structured Media Centers, and use Leviton's innovative selection of modules and panels to manage and distribute audio, video, voice and data in the configuration best suited to a home's needs. Select one of the simple pre-configured panels, or create a customized set of modules to perfectly match your individual requirements.

Systems incorporate video distribution modules that support cable modems, HDTV, digital subscriber lines (DSL), digital satellite systems (DSS), whole house audio solutions, Ethernet Hubs to support high-speed PC's, advanced telephone networking systems, security cameras, and systems, integration with Home Control Systems and more.

Use Leviton's Structured Media System to manage existing and emerging technologies in your home and establish a modular infrastructure for future innovations that will not only increase your home's current value, but ensure its long-term viability. Choose Structured Media Systems from Leviton.



Structured Media Centers

Series 140 Structured Media Center for Essential Home Networking

This 14" professional-grade whole-house media enclosure creates one distribution point in the home for all low voltage cables. The SMC-140 is ideal for MDU's (Multiple Dwelling Units) or more modest homes requiring standard audio/video/voice and data configurations. It will accommodate two Pre-Configured Structured Cabling Panels. The sturdy design and functionality facilitate installation and reduce job-site labor costs, making it ideal for essential home networking.

Enclosures with covers are sold separately or as part of a kit that includes the Pre-Configured Structured Cabling Panel of your choice. For more information on Pre-Configured Structured Cabling Panels, please see pages S54–S55. UL Listed. CSA Pending.

For more information about this sample configuration, see page S45.

FEATURES AND BENEFITS

- Accommodates up to two full-width Pre-Configured Structured Cabling Panels–delivering audio/video, voice and data to any room of the home or office.
- Positive “stops” on housing sidewalls prevent the enclosure from falling through studs during installation.
- One piece white steel unit holds full and half-width expansion modules.
- Can be surface-mounted or recessed. Ideal for new installations or retrofits.
- Purchase empty or in kits with Pre-Configured Structured Cabling Panels, for easy, one-step home technology solutions.
- Mounting guides on the cover align screw-holes and reduce the chances of dropping during attachment.
- Powder-coated white cover features a 3/4" overlap to hide irregular dry-wall cuts.
- Combine two or more enclosures for larger installations or future expansion.
- Multiple knock-outs on top and bottom facilitate cable entry and routing.

Specifications for Series 140 Structured Media Center

SPECIFICATIONS	
Dimensions:	
Enclosure:	14.38" H x 14.38" W x 3.60" D
Cover:	16.10" H x 16.10" W
Materials:	White, powder coated 18 Gauge Steel
Standards Compliance:	UL Listed. CSA Pending

Series 140 Structured Media Center

DESCRIPTION	CAT. NO.
SMC-140 Enclosure and Cover, Empty	47605-14W
SMC-140 Kit w/Basic Telephone & Video Panel*	47605-BTV
SMC-140 Kit w/Basic Home Networking Panel*	47605-BNN
SMC-140 Kit w/Advanced Home Telephone Panel*	47605-AHT
SMC-140 Kit w/Advanced Small Office Panel*	47605-ASO

*For more information on Pre-Configured Structured Cabling Panels, please see pages S54–S55

Structured Media Centers

Series 280 and 420 Structured Media Centers for Advanced Home Office and Home Entertainment

Command central for home media convergence: Leviton's SMC-280 and SMC-420 home technology enclosures put the home or small office on the cutting edge of the Information Age. By bringing every conceivable technology distribution point together in one place, they make running cable and managing media both simple and more cost-effective. Designed to incorporate a hospital-grade power quality module for maximum protection from line surges, the 28" and 42" high units accommodate all the latest in functions such as: home networking, fax, internet, multi-line telephones, security camera, coaxial cable and satellite video distribution, speaker and volume controls and Leviton Decora Home Controls, when equipped with the correct accessories.

The Series 280 enclosure can comfortably accommodate up to 12 different Distribution Modules, depending on selection and density. The 420 enclosure, with its generous size and capacity for up to 18 modules, can simultaneously manage many diverse functions. Perfect for home office and home entertainment. UL Listed. CSA Pending.

For more information about this sample configuration, see page S45.

FEATURES AND BENEFITS

- Multiple knock-outs on top, bottom, sides and back facilitate cable entry and routing from every desired room.
- Sturdy, one-piece white steel construction.
- Combine two or more enclosures for larger installations or future expansions.
- Holds 1/4, 1/2 and full-width expansion modules with the ability to mount most modules vertically or horizontally
- Large capacity provides multiple functionality for "wired" homes.
- Powder-coated white cover features a 3/4" overlap to hide irregular drywall cuts.
- Mounting hooks on the cover align screw-holes and reduce the chances of dropping during attachment.
- Holds a broad range of current and future distribution modules, delivering audio, video, voice, data, security, home controls and more to any room of the home or office.
- Can be surface-mounted or recessed. Ideal for new installations or retrofits.
- Designed to accommodate high-quality hospital-grade power modules with surge suppression.

Specifications for Series 280 and Series Structured Media Centers

SPECIFICATIONS

Dimensions:	
SMC 280 Enclosure:	28" H x 14.38" W x 3.60" D
SMC 280 Cover:	30" H x 16.10" W
SMC 420 Enclosure:	42" H x 14.38" W x 3.60" D
SMC 420 Cover:	44" H x 16.10" W
Materials:	White, powder coated 18 Gauge Steel
Standards Compliance:	UL Listed. CSA Pending

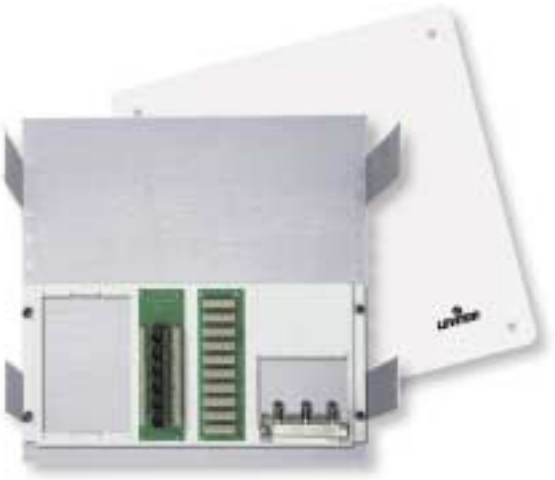
Series 280 and 420 Structured Media Centers

DESCRIPTION	CAT. NO.
SMC-280 Enclosure and Cover, Empty	47605-28W
SMC-420 Enclosure and Cover, Empty	47605-42W

Structured Media Centers

Series 100 Structured Media Center Basic Communications Platform

Leviton's economical, construction-ring-style media convergence point with two-stage installation. The Series 100 SMC is ideal for simpler configurations with a longer period of time between rough-in and trim out, such as apartments, condominiums or housing developments. The construction ring is mounted on wall studs prior to drywall; inserts and powder-coated white cover can be added anytime after the construction phase is complete. This avoids the rigors normally associated with the messy rough-in stage of building. The unit accommodates a selection of full-width modules, including our pre-configured panels (page S55), which provide a full range of voice, data, audio and video. Construction Rings are packaged 5 to a box. Inserts and covers are sold as part of a kit, which includes your choice of one of four Pre-Configured Structured Cabling Panels. UL Listed. CSA Pending.



Specifications for Series 100 Structured Media Center

SPECIFICATIONS

Dimensions:	Construction Ring: 17.60" H x 17.60" W x 3.39" D Insert: 13.36" H x 6.25" W x 2.50" D Cover:16.10" H x 16.10" W
Materials:	Insert: 18 Gauge Galvanized Steel Cover: White, powder coated 18 Gauge Steel
Standards Compliance:	UL Listed. CSA Pending

Series 100 Structured Media Center

DESCRIPTION	CAT. NO.
SMC-100 Empty Construction Ring (5 per Unit Box)	47604-CR
SMC-100 Kit w/Basic Telephone & Video Panel*	47605-BTV
SMC-100 Kit w/Basic Home Networking Panel*	47605-BNN
SMC-100 Kit w/Advanced Home Telephone Panel*	47605-AHT
SMC-100 Kit w/Advanced Small Office Panel*	47605-ASO

*For more information on Pre-Configured Structured Cabling Panels, please see pages S54–S55

FEATURES AND BENEFITS

- Sturdy galvanized steel construction ring and snap-in steel inserts are ideal for two-phase installations
- Purchased in kits with Pre-Configured Structured Cabling Panels for one-step home technology solutions.
- Cover features a 3/4" overlap to hide irregular drywall cuts.
- Insert features open top and bottom for unencumbered cable entry and routing.
- Holds a variety of distribution modules, include up to two Pre-Configured Structured Cabling Panels, delivering audio, video, voice and data to any room of the home or office.
- Mounting guides on the cover align screw-holes and reduce the chances of dropping during attachment.

Media Versatile Panel for Custom Retrofit and Remodel

The Media Versatile™ Panel with 3/4" plywood backing features an open architecture for consolidating low voltage electronics and distribution components for phone, fax/modem, data, home net-working, audio, video and home control. The 24" high cold-rolled steel panel with securable door will accommodate a wide variety of Structured Media Distribution Modules by simply removing the grommets and attaching directly to the plywood backing. The sturdy construction is built to industrial-grade standards, and the panel can be surface mounted or recessed in the wall. (Optional mounting brackets may be used for non-standard stud spacing). Ideal for custom retrofit and remodel applications. Available in black powder coat finish. UL Listed.

Specifications for Media Versatile Panel

SPECIFICATIONS

Dimensions:	28" H x 14" W x 6" D
Materials:	Powder Coated 18 Gauge Steel with 3/4" Plywood Backing
Standards Compliance:	UL Listed

Media Versatile Panel

DESCRIPTION	CAT. NO.
Media Versatile Panel	46702-24E
Mounting Brackets (Set of 4)	46702-BKE

For Media Versatile Panel Inserts and Expansion Modules, call 1-800-922-6229 and ask for Integrated Solutions™ Catalog.

FEATURES AND BENEFITS

- Two oval openings with self-healing foam accommodate cable bundles.
- Six 1" or 1.5" conduit fittings on top and bottom facilitate cable entry and routing.
- Wall-mount or recess. Ideal for new installations or retrofits.
- Securable door provides maximum protection from dust and abuse.
- Plywood backing provides open architecture for customizing layout and can accommodate a wide variety of Structured Media Distribution Modules

Sample Case Studies

Some examples of how Structured Media Centers and modules can be combined to meet a variety of home structured media needs. For information on these and more individual modules, please refer to listings in this catalog.

SMC-140 Wiring Case Study

OVERVIEW: One 2-bedroom condominium in a multi-unit dwelling. Telephone configuration must support several two-line telephones (personal and business lines) and a fax line, as well as a telephone line solely for internet access. Incoming cable TV will be routed to several televisions and require an amplified signal for improved reception.

Requirement

1. **Dynamically configure phone, fax and internet, distributing to multiple rooms.**
2. **Route incoming cable television service to multiple televisions in the condo.**
3. **Amplify incoming cable television service to provide better quality signal.**
4. **Determine proper enclosure.**

Solution

1. **Pre-Configured Structured Cabling Panel–Advanced Home Telephone Unit (includes Telephone Distribution Module to configure phone lines through modular patching).**
2. **Pre-Configured Structured Cabling Panel–Advanced Home Telephone Unit (includes 6-way video splitter).**
3. **Video Amplifier Module.**
4. **Based on requirements, the best enclosure will be the SMC-140.**

SMC-280 Wiring Case Study

OVERVIEW: Large single-family home with home-entertainment center and in-wall audio speakers throughout the home. Multiple bedrooms with telephones and computers, including nursery with security camera for monitoring sleeping children. Must support a home office with Ethernet data network. Four telephone lines are needed, two main lines plus business phone and fax/internet. Incoming services must include input and outputs for digital cable, two satellite inputs and at least five televisions.

Requirement

1. **Route video and satellite services to multiple receivers and televisions.**
2. **Provide whole-house audio to multiple in-wall speakers with multiple volume controls.**
3. **Create Ethernet home data network, linking multiple computers and peripherals and providing simultaneous multiple PC internet access.**
4. **Dynamically configure phone, fax and internet, distributing to multiple rooms.**
5. **View security camera signal over a cable television channel.**
6. **Provide power to the SMC.**
7. **Determine proper enclosure.**

Solution

1. **3x8 Bi-directional Video Module.**
2. **1x6 Passive Audio Splitter with Decora Digital Volume Controls**
3. **10Base-T Network Hub and 18-Port Pre-Configured Structured Cabling Panel (with 3 Category 5 Modules).**
4. **18-Port Pre-Configured Structured Cabling Panel (with 3 Category 5 Modules and Telephone Distribution Module to configure phone lines through modular patching).**
5. **Decora Media System and Decora Camera with modulator.**
6. **AC Power Block.**
7. **Based on requirements, the best enclosure will be the SMC-280.**

Audio/Video

Decora® Digital Volume Control System

Fill your home with high-quality audio at the touch of a button. Replace traditional transformers and rotary controls with this advanced interface module and one-touch Decora Chopin™ rocker-switch wall unit. Attractive Decora styling and transformer-less design bring simplicity and superior sound-quality to this advanced audio delivery system. Ideal for controlling up to 4 pairs of speakers with up to 3 wall units in a variety of configurations, the Volume Control mounts in a standard wall box or low-voltage mounting bracket and connects via Category 5 cable to the Interface Module in your SMC. Decora Chopin Wall units are a perfect match with Decora Mural™ lighting controls and fit in all Decora wallplates. The system can accommodate up to 8 pairs of speakers if wired in a series parallel configuration.

FEATURES AND BENEFITS

- Connects to Interface Module with a single RJ-45 connections. No direct speaker/amplifier connections required at the controller.
- Transformer-less; uses aerospace-quality cermatile resistors for proper heat dissipation and superior performance.
- Microprocessor-controlled relays for silent switching.
- Provides impedance matching with speakers from 4-16 Ohms.
- Terminate all amplifier and speaker connections using high-spec audio monoblock.
- Digital, transformer-free design.
- Up to three volume controls can be connected to interface module, controlling up to 4 pairs of speakers.
- Attractive Decora Chopin™ design coordinates with other wall-mounted devices and is a perfect match with Leviton's Mural™ lighting devices.
- 17 Volume settings, 6 LED indicators and System-On LED indicator make controls uniquely easy to use.
- Simple operation includes one-touch muting.

Specifications for Decora Digital Volume Control System

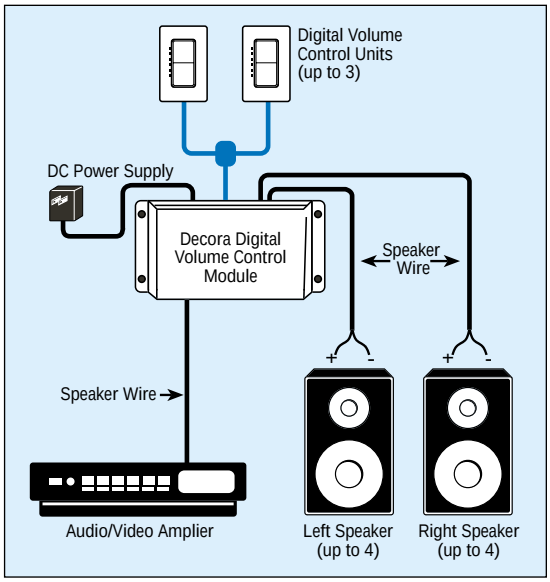
SPECIFICATIONS

Peak RMS Power Rating:	200 Watts per channel
Continuous Power Rating:	100 Watts RMS per channel
Frequency Response, all related power levels:	DC-50,000 Hz
Speaker Impedance:	4–16 Ohms nominal
Speaker/Amplifier Connection:	Removable, snap-in audio monoblock w/screw terminals
Power Requirerments:	15 Volts DC, 200 mA
Dimensions:	4.12" H x 1.50" W x 1.25" D

Decora Digital Volume Control System

DESCRIPTION	CAT. NO.
Decora Digital Volume Control Kit (includes Interface Module and Wall Unit with Power Supply)	48211-*VK
Decora Digital Volume Control Wall Unit	48211-*VC

*Colors: Ivory (I), White (W), Almond (A)



Audio/Video

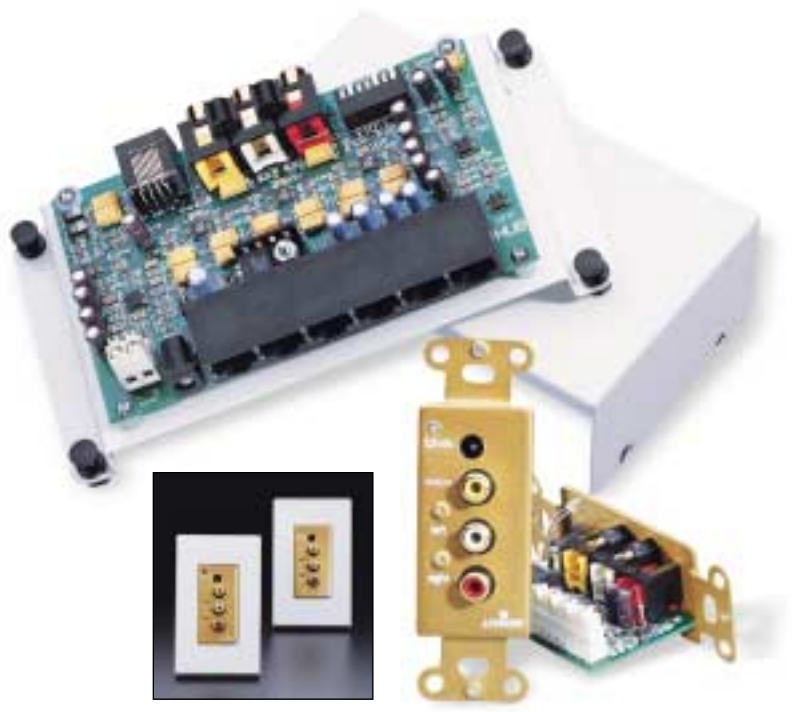
Decora® Media System

Distribute Audio and Video signals anywhere in the home using Category 5 Cable and Leviton's Decora Media System (DMS). Send music, VCR, DVD, cable TV, satellite and security camera signals through up to 1,000 feet (300 meters) of cable with no audio or video distortion, and better performance than the more expensive, specialized "designer"cables.

DMS is comprised of: a Send Unit for transmitting audio/video signals, a Receive Unit for receiving signals, and a Media Hub for whole house distribution.

The DMS utilizes advanced active electronics to operate with several different topologies: a computer networking scheme, with peripheral components sending and receiving critical information via Send and Recieve units and the centralized data-communications hub; a Hub-to-Recieve model, where information is sent to the hub–and from the hub to remote Receive units; and a Point-to-Point model, where Send and Receive units are linked directly together.

All three units run on 12VDC and can be powered independently or through the Media Hub. For Category 5 patch cords, see page S60.



FEATURES AND BENEFITS

- Panel can be attached vertically or horizontally in SMC Enclosures.
- "Daisy-chain" hub units to distribute audio/video signals to over 20 locations
- Send and Receive units are equipped with RJ-45 jacks and 110 punchdown blocks for maximum flexibility in installation.
- RCA inputs for connectivity directly from A/V source
- Use a simple, point-to-point configuration, or an advanced network hub-style configuration.
- Units fit standard wallboxes and Decora wallplates.
- Advanced circuitry with automatic equalization streams analog audio and video signals over long distances with less distortion.
- Stereo audio input/output handles Dolby® ProLogic™ surround signals.
- Send music, VCR, DVD, cable TV, satellite and security camera signals through Category 5 (or better) cable.
- RJ-45 input from send unit or security camera.

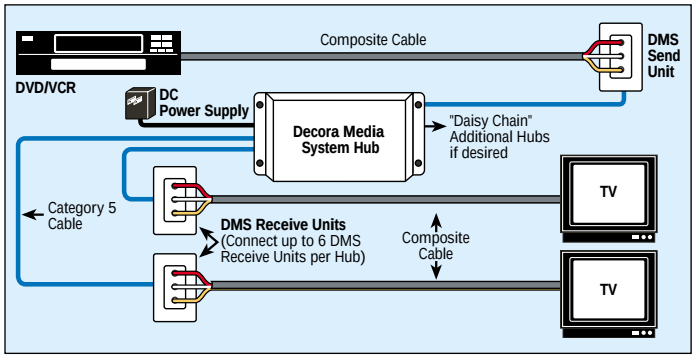
Specifications for Media System

SPECIFICATIONS	SEND UNIT	RECEIVE UNIT	MEDIA HUB
Video Bandwidth:	50 M Hz @ -3 dB	50 M Hz @ -3 dB	50 M Hz @ -3 dB
Video THD:	75 dBc	-75 dBc	-75 dBc
Video Input:	———	0.5V to 2V composite	0.5V to 2V composite
Video Output:	0.5V to 2V composite	———	———
Slew Rate:	800/Vus	800/Vus	800/Vus
Audio Input Impedance:	———	20k Ohms, max 3Vp-p	20k Ohms, max 3Vp-p
Audio Output Impedance:	51 Ohms, max 2Vp-p	———	———
Audio Freq. Response:	5 Hz-100k Hz, ±3 dB	5 Hz-100k Hz, ±3 dB	5 Hz-100k Hz, ±3 dB
Audio THD:	0.002% 20 Hz-20k Hz	0.004% 20 Hz-20k Hz	0.002% 20 Hz-20k Hz
Audio S/N Ratio:	100 dB typical, 80 dB min 20 Hz-20k Hz	100 dB typical, 80 dB min 20 Hz-20k Hz	100 dB typical, 80 dB min 20 Hz-20k Hz
Input Noise:	4.5nV/(Hz), 1/2 typical @ 1k Hz	6nV/(Hz), 1/2 typical @ 1k Hz	4.5nV/(Hz), 1/2 typical @ 1k Hz
Input and Outputs:	3 RCA input jacks 1 set RJ-45 in/out jacks 1 110 punchdown out 1 DC power input	3 RCA output jacks 1 set RJ-45 in/out jacks 1 110 punchdown out 1 DC power input	3 RCA input jacks 1 RJ-45 input jack 6 RJ-45 output jacks 1 DC power input
Power:	12VDC	12VDC	12VDC
Dimensions:	4.1" x 1.4" x 2.0"	4.1" x 1.4" x 2.0"	6.5" x 3.4" x 1.75"

Decora Media System

DESCRIPTION	CAT. NO.
Decora Media System Media Hub with Power Supply	48210-MCH
Decora Media System Send and Receive Unit Pair with Power Supply	48210-SRU
Decora Media System Send Unit with Power Supply	48210-MSU
Decora Media System Receive Unit	48210-MRU

Category 5 Patch Cords, see page S60



Audio/Video

3x8 Bi-Directional Video Amplifier

Run incoming video services and coaxial cable to this versatile video module. It will amplify incoming signals for picture-perfect reception, and distribute a variety of audio/video signals throughout the home or office. Incorporates state-of-the-art bi-directional signalling to support advanced interactive applications such as digital cable, standard inputs like antennas, VCRs, DVD, and security camera/CCTV. The module features one cable input and two auxiliary inputs, eight television outputs with 75Ω termination caps, and up to two input/output loops for routing satellite signals to satellite receivers.

FEATURES AND BENEFITS

- 8 television outputs run video signals, via coaxial cable, to any room of the home or office.
- Two-way signalling supports advanced, interactive applications such as digital cable.
- Incoming cable signal is amplified to improve quality and provide unity gain for distribution.
- Loop satellite signals through the unit to connect incoming service with up to two remote receivers.
- Distribute cable TV, digital cable, antenna, VCR, DVD, security camera/CCTV and more.

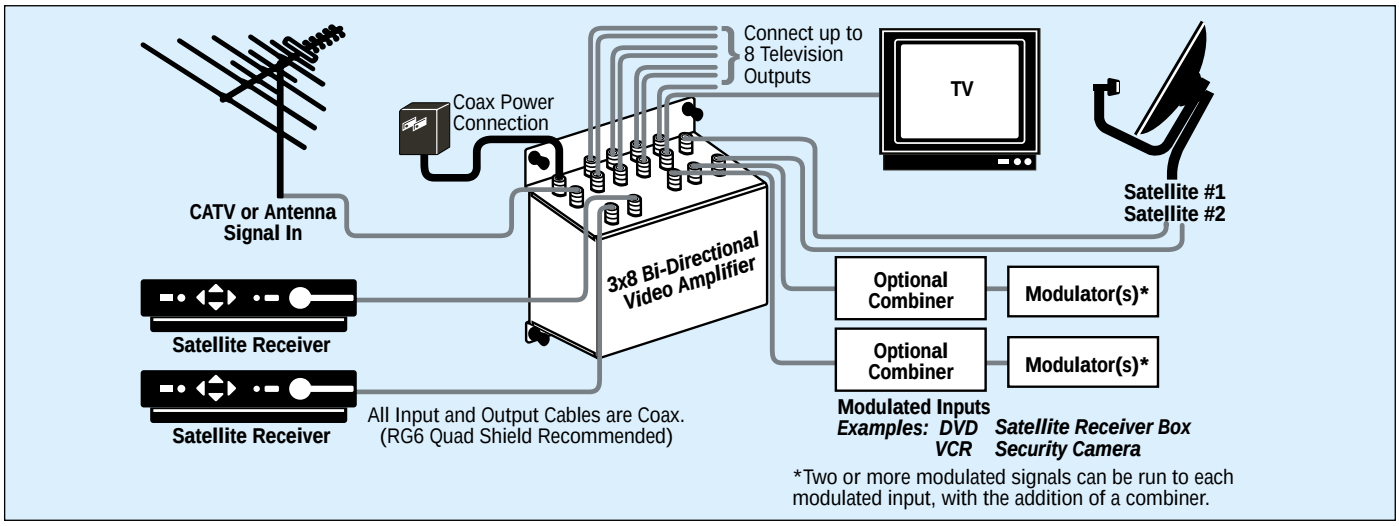
3x8 Bi-Directional Video Module

DESCRIPTION	CAT. NO.
3x8 Bi-Directional Video Module	47690-38B

Specifications for 3x8 Bi-Directional Video Amplifier

SPECIFICATIONS

Gain (Reverse) dB:	8.5 @ 5 MHz - 42 MHz, 20 @ 54 MHz - 1 GHz			
Impedance:	75 Ohm			
Connector Type:	'F'			
Bandwidth:	50 MHz – 1 GHz			
	5–50 MHz	**50–500 MHz**	**500–750 MHz**	**750–1000 MHz**
Insertion Loss:	8.7dB	8.8dB	9.0dB	12.0dB,
Isolation:	28dB	30dB	27dB	25dB
Return Loss:	18dB	20dB	19dB	18dB
Noise Figure:	7 dB max			
Flatness Passband:	+/- 1.5 dB			
Dist. X-Mod:	-70 dB			
CTB:	-60 dB			
Max Output:	25 dB Mv			
Power Input:	12 VDC			
Dimensions:	6.58" x 6.57" x 3.28"			
Standards Compliance:	UL Listed			



Audio/Video

3x8 Video Service Module

Use this powerful video service module to receive and amplify incoming services with 0 dB loss, split signals and route video via coaxial cable to up to 8 televisions. Will combine cable TV input with signals from any two modulated inputs, including: satellite receivers, VCRs, DVD and security cameras/CCTV. Infrared (IR) compatible with the proper transmitters and receivers.

FEATURES AND BENEFITS

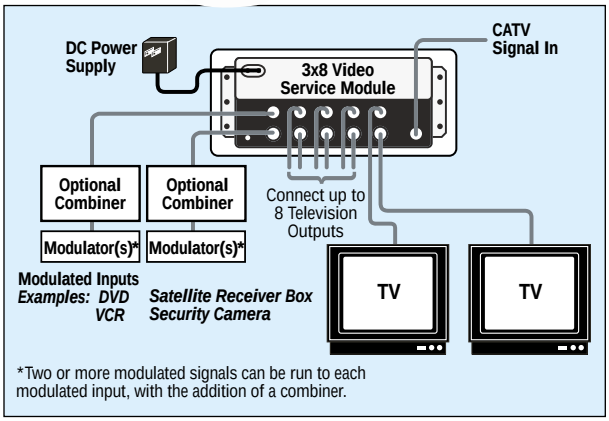
- Sends video to up to 8 televisions via coaxial cable, in lengths up to 150 feet. Combined hubs provide service to up to 64 TVs.
- Amplifies incoming signals, providing O dB loss and significantly improving signal reception.
- Optional remote power feature uses a wallplate input (PN# 47621-W) to power the unit from the destination point.
- 1 cable TV input and 2 auxiliary signal inputs support cable, satellite, VCR, DVD, security cameras and more.

Specifications for 3x8 Video Service Module

SPECIFICATIONS	
Gain:	
Antenna/CATV port to output:	0dB
Modulator input to output:	-10dB
Antenna Isolation Modulator input to CATV/ANT:	80dB
Modulator Input:	25dBmv(85dBuV)
Bandwidth:	5-806mHZ
Max. CATV/Antenna Input:	20 dBmV(80dBuV)
Power:	15 VDC@250mA
Dimensions:	6.3" x 3.1" x 2.5"

3x8 Video Service Module

DESCRIPTION	CAT. NO.
3x8 Video Service Module with Bracket	47608-B
3x8 Video Service Module without Bracket	47608-A



*Two or more modulated signals can be run to each modulated input, with the addition of a combiner.

1x6 Passive Audio Module

Simplify your audio system by controlling up to six pairs of speakers from one amplifier or receiver. Just run speaker wire through a Decora Digital Volume Control to this passive splitter, and instantly fill multiple rooms with high-quality music or sound. Supports up to six pairs of speakers with a 2 Ohm amplifier/receiver, four pairs of speakers with a 4 Ohm unit and two pairs of speakers with an 8 Ohm unit. Ideal for short distances with simple audio requirements. Requires the use of Decora Digital Volume Control for impedance matching.

FEATURES AND BENEFITS

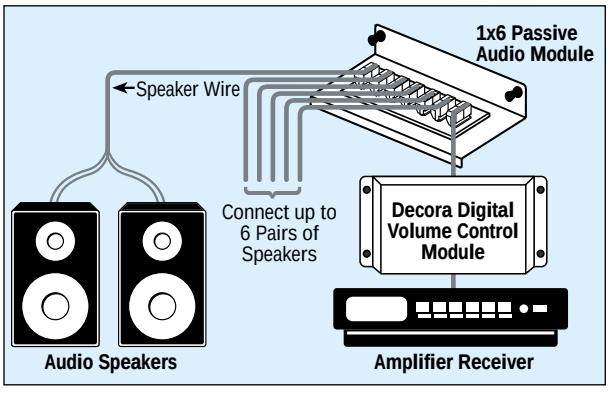
- Supports up to six pairs of speakers with your 2 Ohm amplifier/receiver, up to four pairs of speakers with a 4 Ohm unit and up to two pairs of speakers with an 8 Ohm unit.
- Combine with a Decora Digital Volume Control to control up to six pairs of speakers from one amplifier or receiver.
- Parallel connection scheme insures the best sound quality.
- User-removable connectors facilitate installation.
- Connects with standard speaker wire.

Specifications for 1x6 Passive Audio Module

SPECIFICATIONS	
Wire Gauge:	8–14 AWG
Dimensions:	6.58" x 2.89" x 1.42"
Requirements:	Product must be used with impedance-match volume control

1x6 Passive Audio Module

DESCRIPTION	CAT. NO.
1x6 Passive Audio Module	48211-6A



Audio/Video

Video Amplifier

Run cable TV and other video service signals through this Video Amplifier Module and boost video signal strength to performance levels of up to 25 dB. Features a variable attenuator to attain a precise amount of signal amplification and assure the best, clearest signal possible, and an FM trap to eliminate unwanted FM interference.

FEATURES AND BENEFITS

- Variable attenuator enables precise amplification for the clearest signal possible.
- Run cable TV or other video signals through the Video Amplifer before splitting and distributing throughout the home or office.
- Boost signal strength by up to 25 dB.

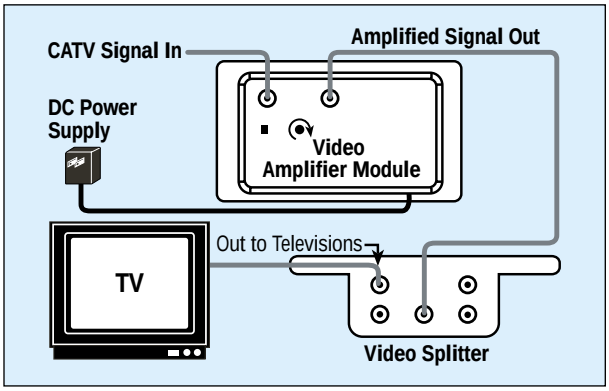
Specifications for Video Amplifier Module

SPECIFICATIONS

Frequency Range MHz:	VHF: 50-450, UHF: 470-860
Gain (dB):	40 Mhz: 23.8, 54 Mhz:27, 210Mhz:29, 860 Mhz:27
Noise Figure:	VHF: 6, UHF: 6.5
Response Flatness:	VHF: 2, UHF: 3
Gain Control dB:	VHF: -10dB, UHF: -10dB
FM Trap dB:	20
Impedance:	75 Ohm
Connector Type:	'F'
Power Source:	12-15 VDC 500 mA
Dimensions:	6.58" x 3.67" x 4.4"

Video Amplifier Module

DESCRIPTION	CAT. NO.
Video Amplifier Module	48210-VA



1x4, 1x6, 1x8 Coaxial Cable Distribution Modules

Use 4-, 6- and 8-way Coaxial Cable Distribution Modules to split or combine quality cable TV and off-air antenna signals to 4, 6, or 8 televisions throughout the home or office. Die-cast housing and printed circuit board construction. Use with the Video Amplifier (above) for increased signal amplification and quality.

FEATURES AND BENEFITS

- Splits or combines video signals. Outputs for up to 4, 6 or 8 televisions.
- Provide cable TV and other video services, via coaxial cable, to any room in the house
- Die-cast housing and printed circuit board.
- Combine with the Video Amplifier (above) for increased signal quality.

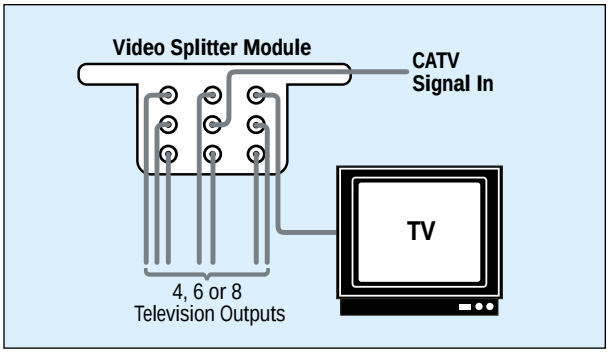
Specifications for 1x4, 1x6, 1x8 Video Splitter Modules

SPECIFICATIONS

	Insertion Loss (dB):			Return Loss (dB):			Isolation(dB):		
	1x4	1x6	1x8	1x4	1x6	1x8	1x4	1x6	1x8
5 Mhz	-6.6	-8.9	-10	-21	-24	-23	-80	-55	-76
100Mhz	-6.6	-8.7	-9.9	-19	-23	-23	-57	-50	-54
300Mhz	-6.6	-8.8	-8.8	-20	-34	-28	-53	-41	-44
800Mhz	-6.8	-9.4	-10	-19	-20	-21	-43	-42	-39
1000Mhz	-7.3	-10	-11	-16	-29	-16	-36	-26	-34
Dimensions:	1x4 6.58" x 2.14" x 1.4"			1x6 6.58" x 3.0" x 1.4"			1x8 6.58" x 3.0" x 1.4"		

1x4, 1x6, 1x8 Video Splitter Modules

DESCRIPTION	CAT. NO.
1x4 Passive Video Splitter Module	47690-4C
1x6 Passive Video Splitter Module	47690-6C
1x8 Passive Video Splitter Module	47690-8C



Video Accessories

Coaxial Surge Suppressor

A Maximum surge current of 5000 Amps. 0.3 dB. Maximum Insertion loss at 5MHz-1000 MHz.

Coaxial Surge Suppressor

DESCRIPTION	CAT. NO.
Coaxial Surge Suppressor	47690-65

Splitters and Termination Cap for F-Connector Jacks

B–E Splits 75 Ohm CATV signal into 2, 3, or 4 signals. Standard F-connector input and outputs. Die-cast body is configured with mounting tabs and ground screw.

2-, 3-, and 4-Way Splitters

DESCRIPTION	CAT. NO.
B **2-Way Splitter**	40987-2
C **3-Way Splitter**	40987-3
D **4-Way Splitter**	40987-4
E **Termination Cap for F-Connector Jacks (bag of 25)**	40984

Twist-On F-Connectors

F-H Terminates 75 Ohm coaxial cable with a twist-on male F-connector. No crimping tool is required. Both RG-59 and RG-6 versions available.

Twist-On F-Connectors

DESCRIPTION	CAT. NO.
F **High Performance EZ-Twist Quad Shield F-Connector (bag of 100 with 4 Installation Tools)**	40985-HQ6
G **Twist-On Connector for RG-59 (bag of 100)**	40985-TW9
H **Twist-On Connector for RG-6 (bag of 100)**	40985-TW6

1-Piece and 2-Piece Crimp-On F-Connector

I-L Terminates 75 Ohm coaxial cable with a crimp-on male F-connector. A crimping tool is required. Comes in either a 2-piece version with separate crimp ring, or a one-piece version with crimp ring attached. Both RG-59 and RG-6 versions available.

Crimp-On F-Connectors

DESCRIPTION	CAT. NO.
I **One-Piece Crimp-On Connector for RG-6 Quad Shield (not shown) (bag of 100)**	40985-Q6
J **One-Piece Crimp-On Connector for RG-59 (bag of 100)**	40985-1P9
K **One-Piece Crimp-On Connector for RG-6 (bag of 100)**	40985-1P6
L **Two-Piece Crimp-On Connector for RG-59 (bag of 100)**	40985-2P9
Two-Piece Crimp-On Connector for RG-6 (bag of 100)	40985-2P6

In-Line Splice Coupler

M Double female F-connector for use in splicing two cable runs together. Attaches to male F-connectors.

In-Line Splice Coupler

DESCRIPTION	CAT. NO.
In-Line Splice Coupler (bag of 100)	40986

Note: Retainer nut for wallplate mounting not provided.

Crimping Tool for Coaxial Connectors

N For use in crimping coaxial connectors onto RG-59 or RG-6 cables. Rugged metal construction with cushioned handles. Carded package for display in merchandising racks.

Crimping Tool for Coaxial Connectors

DESCRIPTION	CAT. NO.
Crimping Tool for Coaxial Connectors	40988

Coaxial Stripping Tool

O Designed for easy, one-step cable stripping, this contractor-grade stripping tool has an adjustable blade that adapts to different cable sizes; RG-6, RG-58 and RG-59.

Coaxial StrippingTool

DESCRIPTION	CAT. NO.
Coaxial Stripping Tool	C5914

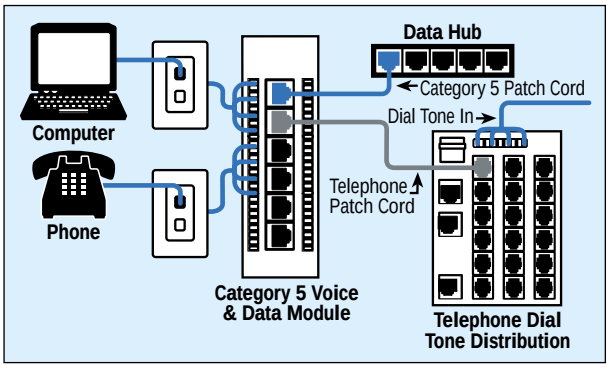
Voice and Data

Category 5 Voice & Data Module

Use unshielded, twisted-pair (UTP) cable to dynamically route data, phone, fax or modem signals. Connect with patch cords to the Decora Media System Hub, the Telephone Distribution Module included in Leviton's Pre-Configured Structured Cabling Panels, a key system or a network hub. This printed circuit board module with six Category 5 ports meets FCC Part 68 and TIA/EIA standards.

FEATURES AND BENEFITS

- Use Category 5 patch cords to link to media distribution modules and data hubs. Use phone cords to link to telephone distribution modules.
- Use high-speed unshielded, twisted-pair cable to route data, phone, fax or modem signals.
- Printed circuit board with six Category 5 ports.



Specifications for Category 5 Voice & Data Module

SPECIFICATIONS	
Dimensions:	2.24" H x 6.57" W x 1.96" D
Standards Compliance:	FCC Part 68, TIA/EIA-568-A

Category 5 Voice & Data Module

DESCRIPTION	CAT. NO.
Category 5 Voice & Data Module, 6-Port, with Bracket	47605-C5B
Category 5 Voice & Data Module, 6-Port, without Bracket	47603-C5

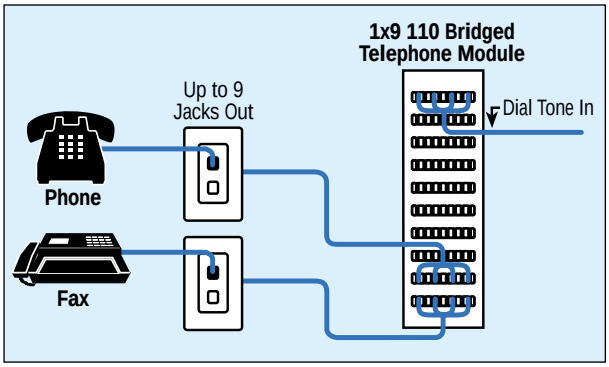
Category 5 Patch Cords, see page S60

1x9 Bridged Telephone Module

Bridge up to four telephone lines through to nine outlet locations, and operate up to nine separate telephones from this easy-to-use 110-style module. The module, with printed circuit board, is constructed with ten bridged 4-pair 110-type insulation displacement connections and suitable for phone, fax or modem.

FEATURES AND BENEFITS

- Operates up to nine separate telephones with four separate telco lines.
- Printed circuit board with ten bridged 4-pair 110-type insulation displacement connectors.
- Suitable for phone, fax or modem.



Specifications for 1x9 Bridged Telephone Module

SPECIFICATIONS	
Dimensions:	2.24" H x 6.57" W x 1.82" D

1x9 Bridged Telephone Module

DESCRIPTION	CAT. NO.
1x9 Bridged Telephone Module with Bracket	47689-B
1x9 Bridged Telephone Module without Bracket	47603-110

Voice and Data

10Base-T Network Hub

Share data and peripheral devices, such as printers, among many computers in remote locations with this professional-grade 10Base-T Network Hub.

Just run cable from your desired locations to a Category 5 Voice and Data Module (either a stand-alone module [page S52], or one of the units in the Pre-Configured Structured Cabling Panels [pages S54–S55]). From there, Category 5 patch cords can be used to connect the Data Hub to the Category 5 Module. Instantly, your remote locations will be able to communicate. That means a computer in the kitchen can print to the home office printer, and a computer in the home office can retrieve information from the one in the bedroom, all without moving an inch.

The Hub is IEEE 802.3, 10BASE-T compliant (10 Mbps) and features a broad range of features to ensure data integrity, as well as LED lights to indicate Power, Link/Receive, Partition and Collision status.

Up to four Hubs can be cascaded to provide a maximum of 14 network stations to be connected.

FEATURES AND BENEFITS

- Connect to a Category 5 Voice/Data module with Category 5 Patch Cords and network devices in remote rooms, such as computers and printers.
- Data collision and jabber handling functions.
- IEEE 802.3, 10Base-T compliant unit delivers high-speed networking.
- 5 RJ-45 ports support up to five 10Base-T connections.
- NORMAL/UPLINK switch allows up to four hubs to be cascaded, for a total of up to 14 network connections.
- Polarity auto-detection and auto connection for ports ensures smoother flow and greater integrity of data.
- Features LEDs to indicate network activity, including Link/Receive, Power On, Partition and Collision statuses.
- Auto partitions and reconnects ports to facilitate faulty segment isolation.

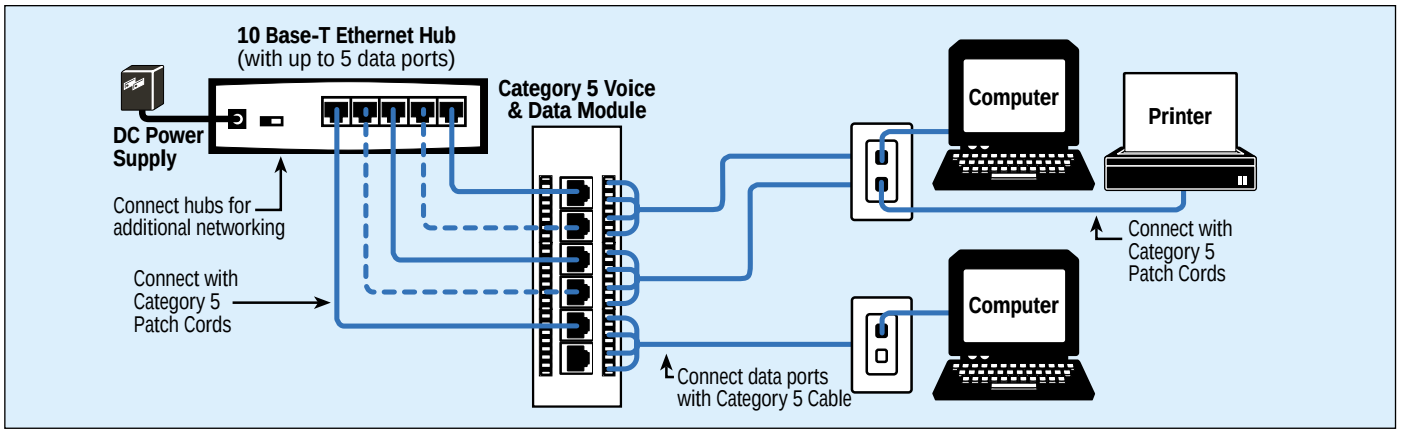
Specifications for 10Base-T Network Hub

SPECIFICATIONS	
Data Transfer Rate:	10Mbps
Connectors:	5 10BaseT ports, 1 10BaseT uplink port, 1 AC power adapter jack
Cabling Requirements:	Standard UTP/10BaseT with modular RJ-45 tips, 22 to 26 AWG in multiple pairs
LED Indicators:	Five link/activity LED's plus one power and collision
Power Supply:	7.5VDC, 750mA
Dimensions/Weight:	2.5" x 6.6" x 12.5"/ 6oz.
Standards Compliance:	FCC Certified, IEEE 802.3 Ethernet

10Base-T Network Hub

DESCRIPTION	CAT. NO.
10Base-T Network Hub, with Power Adapter	47605-EH

Category 5 Patch Cords, see page S60



Pre-Configured Structured Cabling Panels

Pre-Configured Structured Cabling Panels bring a variety of our most popular distribution modules together in a series of simple, easy-mount panels. Choose the combination that best meets your needs and create a one-stop central wiring and distribution point for home and office. The units fit easily into any of Leviton's Structured Media Centers, distributing basic services for telephone and video as well as providing the required infrastructure for networking, multimedia, high-speed internet access, cable television and more. Pre-Configured Structured Cabling Panels will contain a combination of the following distribution modules:

1. Bridged Telephone Module: *Used for basic telephone systems. Bridges up to four (4) telephone lines through to nine (9) outlet locations, allowing operation of up to nine (9) separate telephones per line. This printed circuit board module is constructed with ten bridged 4-pair 110-type insulation displacement connections. Suitable for phone, fax or modem. (For configuration and specs refer to Cat. No. 47689-00B, page S52.)*

2. Category 5 Voice and Data Module: *Used for basic home networking including data, phone, fax or modem. May be patched (connected) to a Telephone Distribution Module, key system, or a network hub. This printed circuit board module with six Category 5 ports meets FCC Part 68 and TIA/EIA standards. (For configuration and specs refer to Cat. No. 47605-C5B, page S52.)*

3. Telephone Distribution Module: *Used for enhanced flexibility in providing home or office connections for phone, fax or modem. Distributes up to four (4) lines throughout a home or office in combinations of Lines 1 and 2 (combined), Line 3 or Line 4. Multiple Telephone Distribution Modules may be linked together to expand the system. Features standard 110-type input connector for wiring lines in from the telephone company. Connects to the Category 5 Voice and Data Module with patch cords to provide instant voice services. Modular jacks allow for easy adds/moves/changes. Includes interface jack for security/alarm panels and meets TIA/EIA 570-A standards. See below for a sample configuration.*

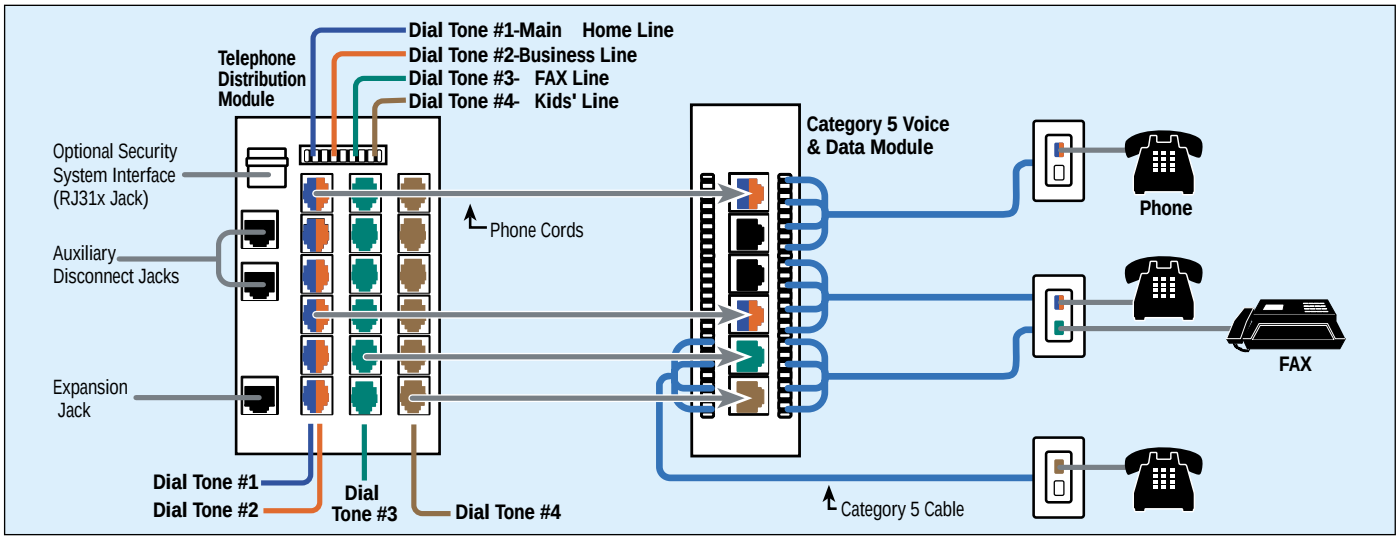
4. Video Splitter: *6-way Video Coaxial Cable Splitter with die-cast housing and printed circuit board construction; suitable for cable TV and off-air antenna signals. (For configuration and specs refer to Cat. No. 47690-6A, page S50.)*

1

2

3

4



Pre-Configured Structured Cabling Panels

A

Basic Telephone and Video Unit

A Combines a Bridged Telephone Module and 6-way Video Splitter in a dedicated bracket for essential telephone and video distribution. Handles 9 drops for telephone and 6 for video. Available as a stand-alone unit, or as part of a kit with SMC-100 or SMC-140. Dimensions: 6.25" H x 13.06" W x 2.50" D

B

Basic Home Networking Unit

B Combines a Bridged Telephone Module, Category 5 Voice & Data Module, and a 6-way Video Splitter in a dedicated bracket for essential telephone, video distribution and home networking. Handles 9 drops for telephone, 6 for data networking, and 6 for video. Available as a stand-alone unit, or as part of a kit with SMC-100 or SMC-140. Dimensions: 6.25" H x 13.06" W x 2.50" D

C

Advanced Home Telephone Unit

C Combines a Telephone Distribution Module, Category 5 Voice & Data Module, and 6-way Video Splitter in a dedicated bracket for multi-line systems with video distribution. Handles 6 drops for voice/telephone and data networking and 6 for video. Available as a stand-alone unit, or as part of a kit with SMC-100 or SMC-140. Dimensions: 6.25" H x 13.06" W x 2.50" D

D

Advanced Small Office Unit

D Combines a Telephone Distribution Module, two (2) Category 5 Voice & Data Modules and 6-way Video Splitter in a dedicated bracket for multi-line systems and full home networking with video distribution. Handles 12 drops for voice/telephone and data networking and 6 for video. Available as a stand-alone unit, or as part of a kit with SMC-100 or SMC-140. Dimensions: 6.25" H x 13.06" W x 2.50" D

E

18-Port Structured Media Panel

E Combines a Telephone Distribution Module and three (3) Category 5 Voice & Data Modules in a dedicated bracket for multi-line systems and expanded home networking. Handles 18 drops for voice/telephone and data networking. Available as a stand-alone unit only. Dimensions: 6.25" H x 13.06" W x 2.50" D

F

24-Port Structured Media Panel

F Combines a Telephone Distribution Module, four (4) Category 5 Voice & Data Modules in a dedicated bracket for multi-line systems and expanded home networking. Handles 24 drops for voice/telephone and data networking. Available as a stand-alone unit only. Dimensions: 6.25" H x 13.06" W x 2.50" D

Category 5 Voice & Data Expansion Module

Extra Category 5 Voice & Data Module, without brackets, used to expand or upgrade Preconfigured Structured Media Panels.

1x9 Bridged Telephone Expansion Module

Extra 1x9 Bridged Telephone Module, without brackets, used to expand or upgrade Preconfigured Structured Media Panels.

Networking Kits

DESCRIPTION	CAT. NO.
A **Basic Telephone and Video Unit (BTV)**	47603-BTV
in Kit with SMC 100 Insert and Cover	47604-BTV
in Kit with SMC 140 and Cover	47605-BTV
B **Basic Home Networking Unit (BHN)**	47603-BHN
in Kit with SMC 100 Insert and Cover	47604-BHN
in Kit with SMC 140 and Cover	47605-BHN
C **Advanced Home Telephone Unit (AHT)**	47603-AHT
in Kit with SMC 100 Insert and Cover	47604-AHT
in Kit with SMC 140 and Cover	47605-AHT
D **Advanced Small Office Unit (ASO)**	47603-ASO
in Kit with SMC 100 Insert and Cover	47604-ASO
in Kit with SMC 140 and Cover	47605-ASO
E **18-Port Structured Media Panel**	47603-18P
F **24-Port Structured Media Panel**	47603-24P
Category 5 Voice and Data Expansion Module	47603-C5
1x9 Bridged Telephone Expansion Module	47603-110

See page S52 for more information on the Category 5 Voice and Data Expansion Module (47603-C5) and the 1x9 Bridged Telephone Expansion Module (47603-110).

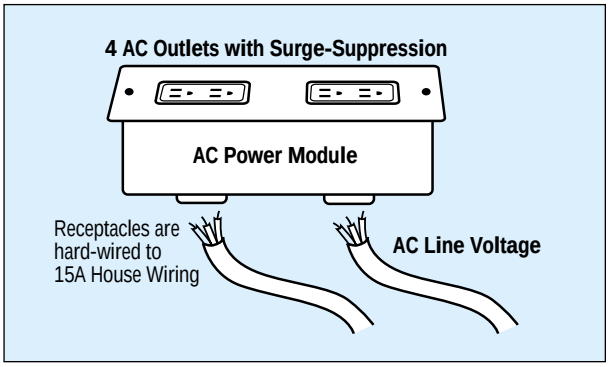
Power

AC Power Block

Add both power and security to your Series 280 or 420 Structured Media System. This hospital-grade, AC Power Block with surge suppression will provide power to your distribution modules and incorporate multi-stage protection from power surges. Designed to be used alone or as part of a whole house surge-protection network. In extremely excessive surge conditions an alarm will sound to warn the user that power is now unprotected. Consists of two 15 Amp hospital-grade duplex outlets housed in a painted steel enclosure. Features EMI/RFI filtering and meets UL 1449 standards.

FEATURES AND BENEFITS

- Hospital grade surge suppressor provides greater protection.
- Safety clips protect outlets against dust, dirt and debris.
- Two cable knock-outs on bottom for power service connections.
- Incorporates two 15 Amp Duplex Outlets.



Specifications for AC Power Block

SPECIFICATIONS	
Input:	120VAC, 2 @ 15 A
Dimensions:	10"x 2.8" x 2.3"
Standards Compliance:	UL 1449

AC Power Module

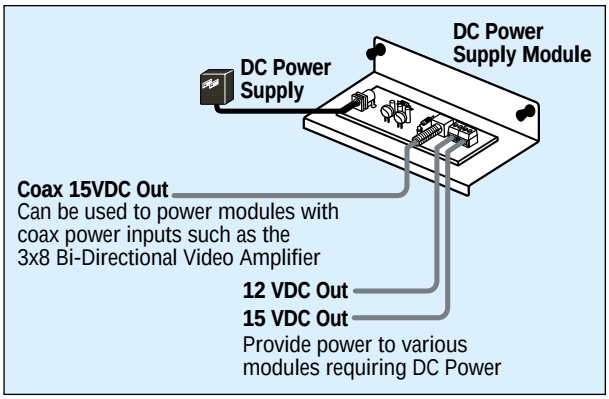
DESCRIPTION	CAT. NO.
AC Power Module	47605-DP

DC Power Supply Module

Provide DC Power to multiple modules within a Structured Media Center without filling up valuable space with multiple transformers. Simply plug into a standard 110VAC outlet and wire DC components directly to the outputs. The board can supply up to 1000 mA (1 amp) of 12 VDC and 15VDC power combined. Both circuits feature an automatic reset fuse in case of overload.

FEATURES AND BENEFITS

- Single DC power convergence point eliminates the need for a series of bulky DC transformers.
- Automatic reset fuse for both circuits activates within a few minutes of overload.
- Plug into a standard 110VAC outlet and wire components directly to the module.
- Supplies up to 1000 mA (1 amp) of 12 VDC and 15VDC combined power.



Specifications for DC Power Supply Module

SPECIFICATIONS	
Input:	15-18VDC
Output:	15-18VDC, 1000mA Terminal or F-connector
Dimensions:	6.58" H x 2.89" W x 1.42" D

DC Power Supply Module

DESCRIPTION	CAT. NO.
DC Power Supply Module	48212-DC

Security

Decora® Camera

A high-tech addition to the attractive Decora family, the Decora Camera provides high-quality color video output that will run through the Structured Media Center and connect to a receiver anywhere in the home or office–instantly turning a home media center into a home security center.

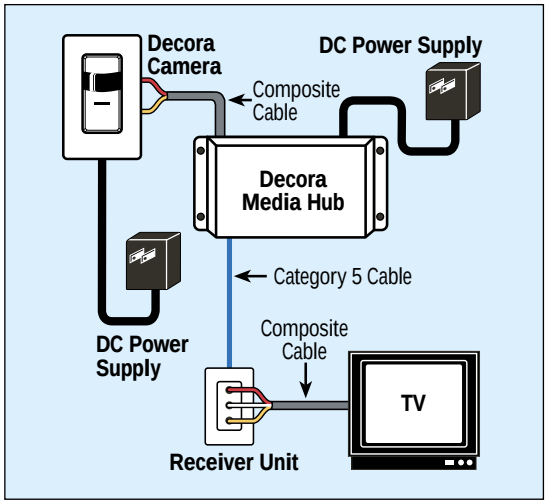
Combining the Decora Camera with the Leviton Media Hub can route its signal not only to a dedicated monitor, but also to an auxiliary RCA input on a television, allowing one to observe remote areas of a home or check on a sleeping child instantly by simply switching to that secondary input.

The Decora Camera produces clear and reliable CMOS-based composite video with a wide angle that eliminates the need for constant readjustment. It features a self-contained video differential amp and audio balanced amp, for electronically balance output, and increased clarity of signal. A manual horizontal pan feature allows you to easily adjust the lens, and power is indicated with a green LED indicator on the front of the faceplate.

The Decora Camera has an RCA output and a terminal block output. An RCA/F adapter is provided for optional use with coaxial cable. Connect power at your SMC with a Leviton DC Power Distribution Module.

FEATURES AND BENEFITS

- Self-contained video differential amp provide increased clarity of signal.
- CMOS-based wide angle color video camera in one compact Decora-style unit.
- Features both RCA and terminal block output connections.
- Power is indicated by a green LED on faceplate.



Specifications for Decora Camera

SPECIFICATIONS	
Dimensions:	4.1" H x 1.4" W x 2.2" D
Power:	12-16VDC 55mA typical 70mA max; green Power On LED
Connection:	Two RCA Jacks (audio and video)
Camera:	CMOS imager: 1/3" 310 TV lines, NTSC with S/N ratio 38 dB min. Minimum illumination 10 lux. Lens is 3.5mm with swivel mount, adjustable focus. Output electronically balanced.
Transmission Bandwidth:	50 M Hz @-3 dB
Transmission Total Harmonic Distortion:	-75 dBc
Transmission Slow Rate:	800 V/us
Microphone Signal:	Frequency Response: 100 Hz to 12k Hz S/N ratio: 60 dB typical, 40 dB min @1k Hz Sensitivity: -69 dB typical Microphone level adjustable -20 dB to -2 dB Output electronically balanced Microphone signal routed to left and right

Decora Camera

DESCRIPTION	CAT. NO.
Decora Camera	48213-*DC

*Colors: Ivory (I), White (W), Almond (A)

Snap-In Modules

QuickPort® Snap-In Modules

QuickPort Snap-In Modules provide a full range of jacks, connectors and modules which fit a large family of housings. Communications wiring interfaces can be tailored to support the user's exact requirements for voice, data, video, audio and security applications.

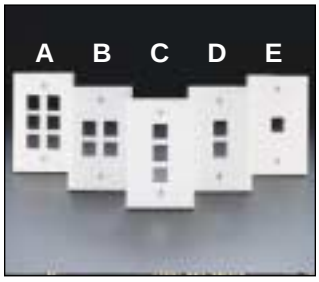
QuickPort® Snap-In Modules

	DESCRIPTION	CAT. NO. IVORY	WHITE	ALMOND
A	**8-Conductor Category 5 Jack**			
	Individual Polybag Pack	40838-BI	40838-BW	40838-BA
	Carded Pack w/Termination Tool, Standard Carton	40838-I	40838-W	——
	Carded Pack w/Termination Tool, Rack Pack Carton	40838-IR	40838-WR	40838-AR
B	**6-conductor Jack**			
	Individual Polybag Pack	40836-BI	40836-BW	40836-BA
	Carded Pack w/Termination Tool, Standard Carton	40836-I	40836-W—	
	Carded Pack w/Termination Tool, Rack Pack Carton	40836-IR	40836-WR	40836-AR
C	**Gold-plated F-Type Bulkhead Module**			
	Individual Polybag Pack	40831-BI	40831-BW	40831-BA
	Carded Pack, Standard Carton	40831-I	40831-W	——
	Carded Pack, Standard Carton	40831-IR	40831-WR	40831-AR
D	**Nickel-plated F-Type Bulkhead Module, Polybag Pack**	40731-BI	40731-BW	40731-BA
E	**Gold-plated BNC Bulkhead Module**			
	Individual Polybag Pack	40832-BI	40832-BW	40832-BA
	Carded Pack, Standard Carton	40832-I	40832-W	——
	Carded Pack, Standard Carton	40832-IR	40832-WR	40832-AR
F	**Standard BNC Bulkhead Module, Polybag Pack**	41084-BIF	41084-BWF	41084-BAF
G	**Gold-Plated RCA Bulkhead Module, Solderless Connection**			
	Black Stripe on Connector, Individual Polybag Pack	40830-BIE	40830-BWE	40830-BAE
	Red Stripe on Connector, Individual Polybag Pack	40830-BIR	40830-BWR	40830-BAR
	Yellow Stripe on Connector, Individual Polybag Pack	40830-BIY	40830-BWY	40830-BAY
	One Black/One Red Stripe Pair per Carded Unit Pack, Standard Carton	40830-I	40830-W	——
	One Black/One Red Stripe Pair per Carded Unit Pack, Rack Pack Carton	40830-IR	40830-WR	40830-AR
H	**Gold-Plated Banana Jack Module, Solderless Connection**			
	Black Stripe on Connector, Individual Polybag Pack	40837-BIE	40837-BWE	40837-BAE
	Red Stripe on Connector, Individual Polybag Pack	40837-BIR	40837-BWR	40837-BAR
	One Black/one Red Stripe Pair per Carded Unit Pack, Standard Carton	40837-I	40837-W	——
	One black/One Red Stripe Pair per Carded Unit Pack, Rack Pack Carton	40837-IR	40837-WR	40837-AR
I	**Gold-Plated Binding Post Module, Solderless Connection**			
	Black Stripe on Connector, Individual Polybag Pack	40833-BIE	40833-BWE	40833-BAE
	Red Stripe on Connector, Individual Polybag Pack	40833-BIR	40833-BWR	40833-BAR
	One Black/One Red Stripe Pair per Carded Unit Pack, Standard Carton	40833-I	40833-W	——
	One Black/One Red Stripe Pair per Carded Unit Pack, Rack Pack Carton	40833-IR	40833-WR	40833-AR
J	**Snap-In Blank Module**			
	Individual unit, 10 Units per Polybag Pack	40859-BI	40859-BW	40859-BA
	4 per Carded Unit Pack, Standard Carton	40859-I	40859-W	——
	4 per Carded Pack, Rack Pack Carton	40859-IR	40859-WR	40859-AR

FEATURES AND BENEFITS

- Each modular jack's patented "cutting ledge" trims the wire during termination when used with the D814 punchdown tool.
- Audio and video connectors require no soldering; connections can be made with easy-to-use tools.
- All jacks feature color-coded wiring labels for fast, accurate terminations.
- F-Type, RCA, Binding Posts, BNC and Banana jacks are available gold-plated. F-Type, and BNC jacks are also available nickel-plated.
- Modules are listed in accordance with UL 1863, and fully compliant with NEC Article 800.
- Category 5 jacks are certified to meet TIA/EIA-568-A and FCC Part 68 requirements.

Wallplates and Inserts

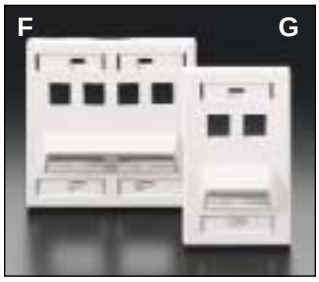


QuickPort® Flush-Mount Wallplates

Flush mount wallplates offer field-configurability in an attractive single-piece housing. All versions include color-matched mounting screws.

QuickPort® Flush-Mount Wallplates

DESCRIPTION	CAT. NO. IVORY	WHITE	ALMOND
A **6-Port Flush Mount**			
Individual Polybag Pack, Standard Carton	40806-BI	40806-BW	40806-BA
Individual Polybag Pack, Rack Pack Carton	40806-IBR	40806-WBR	40806-ABR
Carded Pack, Standard Carton	40806-I	40806-W	——
B **4-Port Flush Mount**			
Individual Polybag Pack, Standard Carton	40804-BI	40804-BW	40804-BA
Individual Polybag Pack, Rack Pack Carton	40804-IBR	40804-WBR	40804-ABR
Carded Pack, Standard Carton	40804-I	40804-W	——
C **3-Port Flush Mount**			
Individual Polybag Pack, Standard Carton	40803-BI	40803-BW	40803-BA
Individual Polybag Pack, Rack Pack Carton	40803-IBR	40803-WBR	40803-ABR
Carded Pack, Standard Carton	40803-I	40803-W `	——
D **2-Port Flush Mount, Individual Polybag Pack, Standard Carton**	40702-BI	40702-BW	40702-BA
E **1-Port Flush Mount, Individual Polybag Pack, Standard Carton**	40701-BI	40701-BW	40701-BA



QuickPort® Angled Wallplates

Available in single-gang 4-port and dual-gang 8-port versions, these wallplates feature angled ports to relieve stress on equipment cords plugged into the device. The bottom opening is a duplex port which can be partitioned with a divider (included) to hold two individual QuickPort snap-in modules. All versions include mounting screws.

QuickPort® Angled Wallplates

DESCRIPTION	CAT. NO. IVORY	WHITE	ALMOND
F Angled **4-Port with 2 Angled Ports**			
Individual Polybag Pack, Standard Carton	40807-BI	40807-BW	——
Individual Polybag Pack, Rack Pack Carton	40807-IR	40807-WR	40806-AR
Carded Pack, Standard Carton	40807-I	40807-W	——
G Angled **8-Port with 4 Angled Ports**			
Individual Polybag Pack, Standard Carton	40807-B2I	40807-B2W	——

QuickPort® Decora Plus® Wallplate Inserts

Bring voice, data, audio and video together in one wallplate. Decora Plus wallplate inserts allow you to match multimedia outlets to wallplates for electrical or lighting systems. Mix and match QuickPort Snap-In modules in combinations of two, three, four or six. Compatible with the full line of standard Decora wallplates, Decora Plus snap-on wallplates with hidden mounting screws and Leviton sectional wallplates (sold separately). The insert fits standard NEMA wallboxes and includes sturdy steel nuts on mounting tabs to ensure secure wallplate mounting without stripping.

QuickPort® Decora Plus® Wallplate Inserts

DESCRIPTION	CAT. NO. IVORY	WHITE	ALMOND
H QuickPort Decora Plus Wallplate Insert			
2-Port Insert, Polybag Pack, Standard Carton	40850-BI	40850-BW	40850-BA
2-Port Insert, Polybag Pack, Rack Pack Carton	40850-BI	40850-BW	40850-BA
3-Port Insert, Polybag Pack, Standard Carton	40853-BI	40853-BW	40853-BA
4-Port Insert, Polybag Pack, Standard Carton	40854-BI	40854-BW	40854-BA
6-Port Insert, Polybag Pack, Standard Carton	40856-BI	40856-BW	40856-BA
I Decora Wallplates			
1-Gang	80401-I	80401-W	80401-A
2-Gang	80409-I	80409-W	80409-A

Patch Cords

Category 5 Patch Cords

Leviton Category 5 patch cords are compliant with the latest standards, including TIA/EIA TSB-95, meeting and exceeding a full range of patching performance requirements. All have superior quality construction to maintain the integrity of signal transmission at the cross-connect, which is critical to the performance of the entire cabling system. They can be used to connect a number of SMC Modules, including the Decora Media System, 10Base-T Network Hub, and Category 5 Voice and Data Module.

Category 5 Patch Cords

DESCRIPTION	CAT. NO.
1 ft Patch Cord	
Individual Polybag Pack, Standard Carton, White Only	47620-1W
3 ft Patch Cord	
Individual Polybag Pack, Standard Carton	52455-3*
Carded Unit Pack, Rack Pack Carton, Blue Only	52454-3R
Individual Polybag Pack, White Only	47620-3W
5 ft Patch Cord	
Individual Polybag Pack, Standard Carton	52455-5*
7 ft Patch Cord	
Individual Polybag Pack, Standard Carton	52455-7*
Carded Unit Pack, Rack Pack Carton, Blue Only	52454-7R
15 ft Patch Cord	
Individual Polybag Pack, Standard Carton	52455-15*
Carded Unit Pack, Rack Pack Carton, Blue Only	52454-15R

*Colors: White(W), Red(R), Yellow(Y), Green(G), Blue(L), Gray(S),Black(E)

Gigamax™ Category 5e Patch Cords

Leviton GigaMax Category 5e patch cords meet the very latest TIA/EIA TSB-95 guidelines for supporting 1000Base-T gigabit applications. Superior quality guaranteed no-risk data transmission with soaring headroom over industry guidelines. They can be used to connect a number of SMC Modules, including the Decora Media System, 10Base-T Network Hub, and Category 5 Voice and Data Module.

Gigamax™ Category 5e Patch Cords

DESCRIPTION	CAT. NO.
3 ft Patch Cord	
Individual polybag pack, standard carton	5G455-3*
Carded unit pack, rack pack carton, yellow only	5G454-3R
5 ft Patch Cord	
Individual polybag pack, standard carton	5G455-05*
7 ft Patch Cord	
Individual polybag pack, standard carton	5G455-7*
Carded unit pack, rack pack carton, yellow only	5G454-7R
15 ft Patch Cord	
Individual polybag pack, standard carton	5G455-15*
Carded unit pack, rack pack carton, yellow only	5G454-15R

*Colors: White(W), Red(R), Yellow(Y), Green(G), Blue(L), Gray(S),Black(E)

4-Conductor Telephone Patch Cords

Flat cordage patch cord used to connect the Telephone Distribution Module to the Category 5 Voice and Data Board, providing a dial tone instantly to any room of the home, with easy adds, moves and changes.

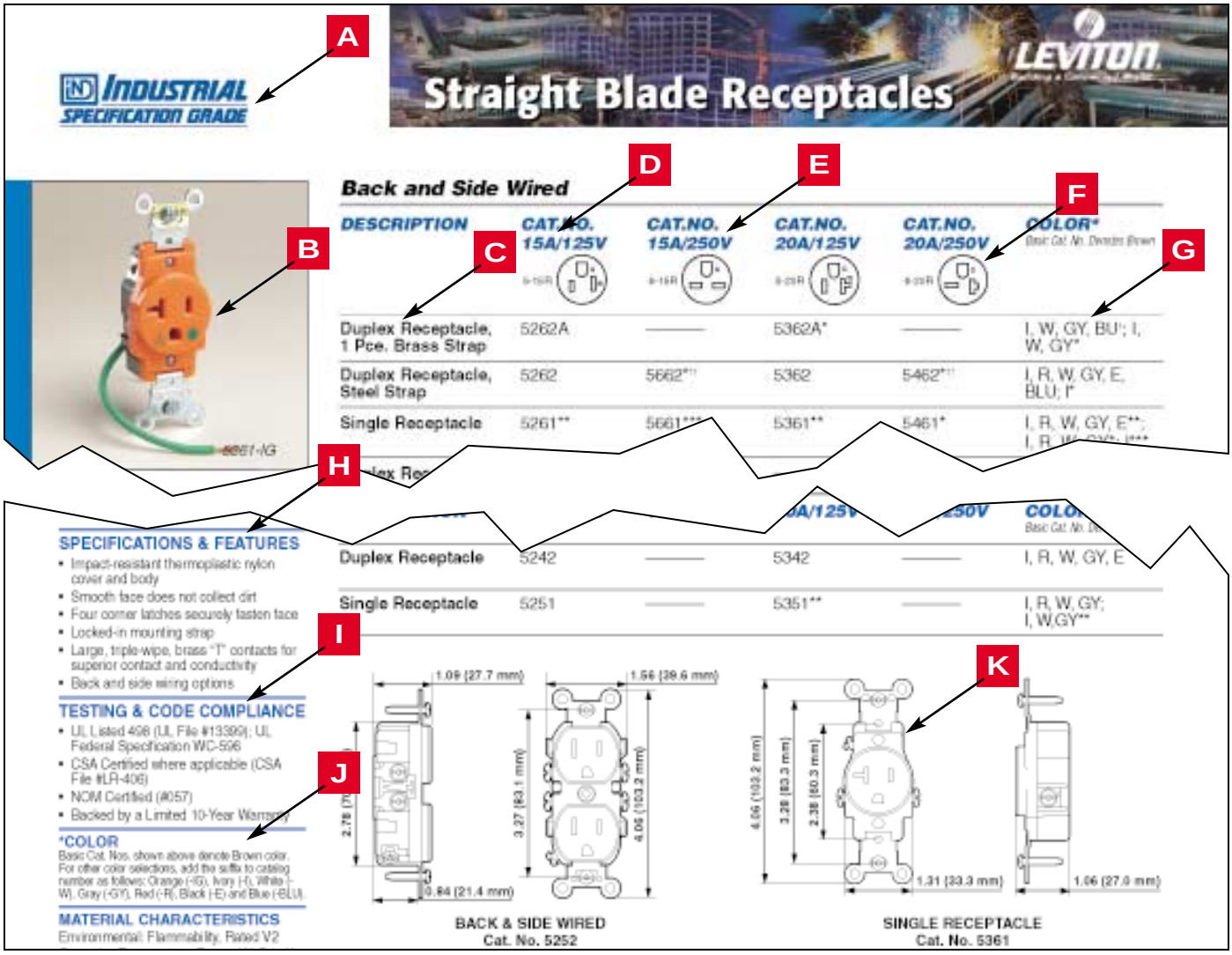
4-Conductor Telephone Patch Cords

DESCRIPTION	CAT. NO.
Flat Cordage Patch Cord, 7" Long	42400-G

How To Use This Catalog

This edition of the Leviton Wiring Device Catalog has been re-designed to help you find the device you're seeking in the quickest and easiest way possible. To achieve this, each Section (A, B, C, etc.) has been divided into three distinct portions in the following sequence — Industrial Specification Grade first, Commercial Specification Grade second, Residential Grade third — and grouped according to their amperage and voltage, lowest to highest. (Some product classes may have slight differences.) If you need to place an order for any quantity of 15 Amp, 125 Volt, Industrial Specification Grade duplex receptacles with back and side wiring, you would begin your search for the right Leviton product with the Table of Contents. Here you'll see that all receptacles are listed in Section D. Turning to Section D, you'll find that product descriptions now lead off each listing, so that you'll be able to understand what the device is about, functionally, in relation to your needs. Product description, in turn, is followed by Amps and catalog numbers for ordering purposes. To assist you further, such helpful highlights as Specifications & Features, Testing & Code Compliance, Color listing, Material Characteristics, color photos and dimensional drawings virtually fill each page. Four-color photographs have been added throughout the catalog to provide you with an enhanced view of the Leviton product line.

Any page in this D-500 Catalog can be used as a specificer sheet or as part of a presentation; and any page can be clearly faxed to customers and prospects. Product classes may also be pinpointed in the Quick Reference Guide following the Table of Contents. After turning to the proper page, you would locate the catalog number for the item that corresponds to your needs, along with basic information about similar items. Wiring diagrams, NEMA Configuration Charts, Electrical Industry Definitions, ANSI Architectural Symbols, and other related information can be found in the Technical Section (T). Specific product catalog numbers are listed in the exhaustive index at the back of the catalog.



- **A** Choose GRADE, if appropriate
- **B** PHOTOGRAPH
- **C** Check for SINGLE or DUPLEX
- **D** Find AMPERAGE
- **E** Select RATING and WIRING
- **F** Check for NEMA CONFIGURATION
- **G** COLOR ABBREVIATIONS
- **H** SPECIFICATIONS & FEATURES
- **I** TESTING & CODE COMPLIANCE
- **J** COLOR LISTING
- **K** DIMENSIONAL ILLUSTRATIONS

Technical Information

Industry standards, relevant definitions, pertinent product data, representative dimensional drawings and general product references are included in this section.

LEVITON TECHNICAL INFORMATION

List of Abbreviations _____T1
National Electrical Code (NEC) Requirements _____T2
Associations, Organizations and Standards _____T3, T4
Certification Agencies and Markings _____T4
UL, CSA and NEMA Standards Pertaining to Leviton _____T5
High-Abuse, UL Listed Hospital Grade Wiring Devices _____T6
Glossary of Electrical Wiring Device Terms _____T7–T9
Switches _____T10
Dimmers _____T10
Receptacles _____T10, T11
Ground Fault Circuit Interrupters (GFCI's)_____T11
Enclosure Classifications ____T12–T14
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NEMA Straight Blade Configurations _____T17
NEMA Locking Configurations ____T18
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Wallplate Dimensions _____T25
Telephone Wiring Devices — Codes and Standards _____T26
Wire Color Codes and Jack Pin Designations _____T27

List of Abbreviations Used In Leviton Catalogs

ANSI

American National Standards Institute, Inc.
11 West 42nd St., New York, NY 10036

An independent organization that identifies industrial and public requirements for national consensus standards and coordinates and manages their development, resolves national standards problems, and ensures effective participation in international standardization.

Various U.S. Government Agencies often adopt ANSI Standards. For example, the Department of Defense has made mandatory the use of ANSI Standard Y32.9-1972, "Graphic Symbols for Electrical Wiring and Layout Diagrams used in Architecture and Building Construction." Such Standards are often developed by specialized technical societies for ANSI. The Standard referred to above was prepared by the Institute of Electrical and Electronics Engineers (IEEE) and the American Society of Mechanical Engineers (ASME).

GSA

General Services Administration Federal Supply Service
Crystal Mall Bldg. 4, Washington, D.C. 20406

The U.S. Government administration responsible for the approval of Federal Specifications used in the purchase of products by all Federal Agencies.

The two most relevant Federal Specifications for Electrical Wiring Devices are:

W-C-596, for Electrical Power Connector, Plug, Receptacle and Cable Outlet

W-S-896, for Toggle and Lock, Flush Mounted Switches

Leviton devices that comply with these specifications, as verified by Underwriters Laboratories Inc., are also listed in this catalog.

NEC

National Electrical Code
Published by the NFPA (see listing)

The purpose of the Code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This Code is sponsored by NFPA under the auspices of ANSI. It is revised every three years. OSHA (see listing) has adopted the NEC as the code to follow in order to comply with OSHA requirements.

NEMA

National Electrical Manufacturers Association
2101 L St. NW, Washington, D.C. 20003

An organization of electrical manufacturers that establishes standards for manufacture and tests for performance and reliability of electrical products. NEMA tests are often the basis or prerequisite for approval by the Federal Government and/or by Underwriter's Laboratories, Inc.

NFPA

National Fire Protection Association
Battery March Park, Quincy, MA 02269

An organization devoted to promoting the science and improving the methods of Fire Protection. Membership is open to anyone interested. Every three years, the NFPA produces a new edition of the NEC (see listing). The NFPA also provides many other useful publications dealing with fire prevention.

OSHA

Occupational Safety and Health Administration
(U.S. Department of Labor), 200 Constitution Ave. NW.
Washington D.C. 20210 (plus regional offices)

That part of the U.S. Department of Labor responsible for assuring that employers provide safe and healthful working conditions and equipment for employees, and that employees properly avail themselves of these conditions.

In addition to specific regulations published in the Federal Register, OSHA has also adopted the National Electrical Code in part for existing installations and equipment and completely for new construction.

Note: OSHA does not approve products. Compliance with OSHA regulations is contingent on two factors: The approval or listing of the product by an authorized testing laboratory, such as UL (see listing), and the proper installation and/or use of the product in accordance with OSHA guidelines.

UL

Underwriters Laboratories Inc.
Northbrook, IL; Melville, NY; Santa Clara, CA

"An independent, not-for-profit organization testing for public safety." Tests by UL are the basis for acceptance by various government agencies. Listing by UL denotes initial testing and periodic retesting to assure continuing conformance to standards.

NOM

Norma Official Mexicana
(Mexican Official Standard) SECOFI
Avenida Puent de Tecamachalco #6
Col. Lomas de Tecamachalco 53950
Naucalpan, Edomex Mexico

Industry Standards for Electrical Wiring Devices

National Electrical Code Requirements for Wiring Devices

National Electrical Code NFPA No. 70-1996 (Selected Articles)

Article 90 — Introduction

Article 100 — Definitions

Article 110 — Requirements for Electrical Installations

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110-21	Marking

Article 200 — Use and Identification of Grounded Conductors

200-9	Means of Identification of Terminals
200-10	Identification of Terminals

Article 210 — Branch Circuits

210-4	Multiwire Branch Circuits
210-6	Branch Circuit Voltage Limitations
210-7	Receptacles and Cord Connectors
210-8	Ground Fault Protection for Personnel
210-21	Outlet Devices
210-24	Branch Circuit Requirements
210-50	Required Outlets, General
210-52	Dwelling Unit Receptacle Outlets
210-60	Guest Rooms
210-63	Rooftop Heating, Air Conditioning and Refrigeration Equipment Outlet
210-70	Lighting Outlets Required

Article 220 — Branch Circuit, Feeder and Service Calculations

220-4	Branch Circuits Required

Article 250 — Grounding

250-45	Equipment Connected by Cord and Plug
250-50	Equipment Grounding Conductor Connections
250-51	Effective Grounding Path
250-59	Cord and Plug Connected Equipment
250-74	Connecting Receptacle Grounding Terminal to Box

Article 310 — Conductors for General Wiring

310-15	Ampacities

Article 380 — Switches

380-1	Scope
380-2	Switch Connections
380-8	Accessibility and Grouping
380-9	Faceplates for Flush-Mounted Snap Switches
380-14	Rating and Use of Snap Switches
380-15	Marking

Article 410 — Lighting Fixtures, Lampholders, Lamps, Receptacles

410-29	Cord-Connected Showcases
410-56	Receptacles, Cord Connectors and Attachment Plugs
410-57	Receptacles in Damp or Wet Locations
410-58	Grounding-Type Receptacles, Adapters, Cord Connectors and Attachment Plugs

Article 422 — Appliances

422-22	Disconnection of Cord- and Plug-Connected Appliances

Article 511 — Commercial Garages, Repair and Storage

511-10	Ground Fault Circuit Interrupter Protection for Personnel

Article 517 — Health Care Facilities

517-3	Definitions
517-12	Wiring Methods
517-13	Grounding of Receptacles and Fixed Electric Equipment
517-16	Receptacles with Insulated Grounding Terminals
517-18	General Care Areas
517-19	Critical Care Areas
517-19(e)	Additional Protective Techniques
517-20	Wet Locations
517-21	Ground Fault Circuit Interrupter Protection for Personnel
517-31	Emergency System
517-44	Sources of Power
517-61	Wiring and Equipment (a) Within Hazardous (Classified) Anesthetizing Locations (b) Above Hazardous (Classified) Anesthetizing Locations (c) Other-Than-Hazardous (Classified) Anesthetizing Locations
517-62	Grounding
517-64	Low-Voltage Equipment and Instruments

Article 518 — Places of Assembly

518-3(b)	Temporary Wiring Receptacles

Article 550 — Mobile Homes and Mobile Home Parks

550-5(c)	Attachment Plug Cap
550-8	Receptacle Outlets

Article 555 — Marinas and Boatyards

555-3	Receptacles
555-7	Grounding

Article 625 — Electrical Vehicle Charging System Equipment

625-22	(New Article) GFCI Protection for Cord- and Plug-Connected Electric Vehicle Supply Equipment

Article 680 — Swimming Pools, Fountains and Similar Installations

680-4	Definitions
680-5	Transformers and Ground Fault Circuit Interrupters
680-6(a)	Receptacles
680-6(b)	Lighting Fixtures, Lighting Outlets, Switching Devices and Ceiling Fans
680-7	Cord- and Plug-Connected Equipment
680-40	Outdoor Installations
680-41	Indoor Installations
680-51	Lighting Fixtures, Submersible Pumps and Other Submersible Equipment
680-62	Cord- and Plug-Connected Equipment
680-62	Therapeutic Tubs (Hydrotherapeutic Tanks)
680-62(a)	Ground Fault Circuit Interrupter
680-62(c)	Methods of Bonding

Associations, Organizations and Standards

The following listings define the common acronyms used for a variety of organizations.

Standards Development Organizations

Primarily involved in the development and/or promulgation of standards

NFPA	**National Fire Protection Agency**
IEC	**International Electrotechnical Commission**
IEEE	**Institute of Electrical and Electronics Engineers**
ANSI	**American National Standards Institute**
CANENA	**Consejo de Armonizacion de Normas Electrotecnicas de Norte America (Council for Harmonization of Electrotechnical Standardization of North America)**
SAE	**Society of Automotive Engineers**
ISA	**Instrument Society of America**
SME	**Society of Manufacturing Engineers**
ISO	**International Standards Organization**
ASME	**American Society of Mechanical Engineers**

Codes and Standards

Installation codes and product safety, performance and interchangeability standards.

NEC	**National Electrical Code**
NOM	**Normas Oficiales de Mexicanas (Official Mexican Standard)**
NMX	**Normas Mexicanas**
CEC	**Canadian Electrical Code**
CEE	**European Electrotechnical Committee**

Industry Associations

For the purpose of standardization, trade, and professional development, etc.

NMDA	**National Marine Distributor Association**
NEMA	**National Electrical Manufacturers Association**
ABYC	**American Boat and Yacht Council**
EIA/TIA	**Electronics Industry Association/Telecommunications Industry Association**
NAED	**National Association of Electrical Distributors**
NAW	**National Association of Wholesalers**
BICISI	**Building Industry Consulting Services International**
IBI	**Intelligent Building Institute**
EPRI	**Electric Power Research Institute**
NEMRA	**National Electrical Manufacturers Representative Association**
IAEI	**International Association of Electrical Inspectors**
IFMA	**International Facilities Management Association**
BOMA	**Building Owners Management Association**
SEMI	**Semi-Conductor Equipment and Material International**
CEMRA	**Canadian Electrical Manufacturers Representatives Association**
NMRA	**National Marine Representative Association**
EFI	**Electro-Federation Incorporated**
NECA	**National Electrical Contractors Association**
IECA	**Independent Electrical Contractors Association**
ECOC	**Electrical Contractors of Canada**
CANAME	**Camara Nacional de Manufacturas Electricas (Mexico)**

Certification Agencies

Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

UL	**Underwriters Laboratories Inc.**
CSA	**Canadian Standards Association**
ANCE	**National Association of Normalization and Certification of the Electrical Sector (Mexico)**
TUV	**TUV Rheinland of N.A., Inc.**
VDE	**Verband Deutscher Elektrotechniker (Germany)**
BSI	**British Standards Institute**
FM	**Factory Manual**
NRTL	**National Recognized Testing Laboratories**
OSHA	**Occupational Safety and Health Administration**
FCC	**Federal Communications Commission**
DESC	**Defense Electronic Supply Center**
IAPA	**Independent Accident and Protection Association (Canada)**
CE	**European Compliance** (This is not a certification agency, but CE is the European Compliance Mark)
ETL	**ETL Testing Laboratories**

European Agencies: IEC and CEE

The IEC

The IEC is the International Electrotechnical Commission. Formed in 1906, it is a worldwide organization primarily involved in the international standardization of electrical standards and equipment. As of 1994, 48 countries are represented in the IEC. IEC member countries produce and consume the majority of the world's electrical energy. They also manufacture and use the majority of the world's electrical products.

The IEC works towards standardization of the following areas:

- Universal technical language; including definitions, and electrical symbols
- Systems for ratings, testing requirements and methods of testing
- Electrical system characteristics; including voltages, frequencies and tolerances
- Dimensional requirements and tolerances
- Universal electrical safety requirements

The CEE

The CEE is the European Electrotechnical Committee. The CEE works on safety standards, definitions for conformity and certifications for electrical equipment. Cooperation between the CEE and the IEC has led to worldwide publications for standards pertaining to electrical equipment.

Certification Agencies and Markings

Certification marks indicate that a product has been tested to the requirements of a specific certification agency. In some cases, a manufacturer chooses to identify a product in a particular way even though no outside certification agency is involved (i.e. Specification Grade). The following table illustrates the variety of certification markings typically used for 15A and 20A Straight Blade Receptacles. Understanding these marks permits the user or specifier to make meaningful product selections.

Typical Product Certification Marks — 15 & 20 Amp Straight Blade Receptacles. Products with these markings must meet the specific testing standards indicated.

Certification Mark	UL498	CSA, C22.2, No. 42M	UL 498 Hospital Grade	CSA, C22.2, No. 42M, Hosp. Grade	DESC W-C-596F	Certification Agency
Spec Grade*	No Product Testing Required — Manufacturer's Term Only					Manufacturer Only
	X					Underwriters Laboratories Inc. Recognized Component for OEM use.
	X					Underwriters Laboratories Inc.
		X				Canadian Standards Association
• Hospital Grade	X		X			Underwriters Laboratories Inc.
• Hospital Grade		X		X		Canadian Standards Association
Fed. Spec	X				X	Underwriters Laboratories Inc. and Defense Electronic Supply Center
Fed. Spec • Hospital Grade	X		X		X	Underwriters Laboratories Inc. and Defense Electronic Supply Center

*Includes variations such as Industrial Spec. Grade, Premium Spec. Grade, etc.

Cross References

The cross reference guides supplied by some manufacturers are convenient for determining compatible devices by rating and configuration. However, these cross reference guides are not official confirmation of compliance to any standard or testing criteria. This can only be determined by the certification marks which verifies that a product has been tested to the specific requirements of a certification agency. Also note that common catalog numbers are often used by different manufacturers for selection convenience. This is done solely at the discretion of the manufacturer and in no way implies compliance to any standard or testing criteria.

UL, CSA and NEMA Standards Pertaining to Leviton Devices

UL Standards Pertaining to Leviton Devices

UL20	**General-use switches**
UL50	**Enclosures for electrical equipment**
UL94	**Flammability testing for materials**
UL486E	**Equipment and wiring terminals**
UL498	**Plugs, connectors, receptacles, inlets, outlets, taps and adapters**
UL508	**Industrial equipment (including motor control switches)**
UL514A	**Metallic boxes/covers/wallplates**
UL514C	**Non-metallic boxes/covers/wallplates**
UL817	**Cordsets**
UL943	**GFCI's**
UL1363	**Temporary power taps**
UL1436	**Outlet circuit testers**
UL1449	**Surge suppression devices**
UL1567	**Switches and receptacles used with AL wire**
UL1682 & 1686	**Pin & Sleeve devices**
UL1776	**High-pressure cleaning equipment**
FS WC596F	**Federal Spec receptacles**
FS WS896	**Federal Spec switches**

Note: Straight blade and locking NEMA configurations are defined by UL 1681 and NEMA WD 6.

Each UL standard consists of requirements that cover three characteristics of the product being reviewed:

1. Construction	**Material properties and general design**
2. Performance	**Mechanical and electrical testing**
3. Markings	**Identification of manufacturer, applicable ratings, etc.**

CSA Standards Pertaining to Leviton Devices

C22,2, No. 0.17	**Polymeric materials**
C22.2, No. 42	**General-use receptacles, attachment plugs**
C22.2, No. 55	**Special-use switches**
C22.2, No. 111	**General-use switches**
C22.2, No. 182.1	**Industrial-type, special-use attachment plugs, receptacles and connectors. Pin and sleeve devices**
C22.2, No. 182.2	**Industrial locking type**

NEMA Standards Pertaining To Leviton Devices — In Accordance With NEMA Standard WD–1

WD 1-1.01 **CORD CONNECTOR**

A cord connector is a portable receptacle which is provided with means for attachment to a flexible cord and which is not intended for permanent mounting.

NEMA Standard 7-13-1967

WD 1-1.02 **GROUNDED CONDUCTOR (SYSTEM GROUND)**

A grounded conductor is a circuit conductor (normally current carrying) which is intentionally connected to earth ground. (It is identified as the white conductor.)

NEMA Standard 7-13-1967

WD 1-1.03 **GROUNDING CONDUCTOR (EQUIPMENT GROUND)**

A grounding conductor is a conductor which connects noncurrent-carrying metal parts of equipment to earth ground to provide an intentional path for fault current to ground (It is bare, or, when covered, is identified as the green or green with yellow stripes conductor.)

NEMA Standard 7-13-1967

WD 1-1.04 **LAMPHOLDER**

A lampholder is a device which is intended to support an electric lamp mechanically and to connect it electrically to a circuit.

NEMA Standard 7-13-1967

WD 1-1.05 **MALE BASE (INLET)**

A male base is a plug which is intended for flush or surface mounting on an appliance or equipment and which serves to connect utilization equipment to a connector.

NEMA Standard 7-13-1967

WD 1-1.06 **OUTLET**

A outlet is a point on the wiring system at which current is taken to supply utilization equipment.

NEMA Standard 7-13-1967

WD 1-1.07 **PLUG**

A plug is a device with male blades which, when inserted into a receptacle, establishes connection between the conductors of the attached flexible cord and the conductors connected to the receptacle.

NEMA Standard 7-1-1967

WD 1-1.08 **POLARIZATION (PLUGS AND RECEPTACLES)**

Polarization is a means of assuring the mating of plugs and receptacles of the same rating in only the correct positon.

NEMA Standard 7-1-1967

WD 1-1.09 **POLE**

The term “pole” as used in designating plugs and receptacles refers to a terminal to which a circuit conductor (normally current carrying) is connected.

In switches, the number of poles indicates the number or conductors being controlled.

NEMA Standard 7-1-1967

WD 1-1.10 **RECEPTACLE**

A receptacle is a device with female contacts which is primarily installed at an outlet or on equipment and which is intended to establish electrical connection with an inserted plug.

NEMA Standard 7-1-1967

WD 1-1.11 **SLANT SYMBOL (/)**

The “slant” line (/) as used in wiring device ratings indicates that two or more voltage potentials are present simultaneously between different terminals of a wiring device.

NEMA Standard 7-1-1967

WD 1-1.12 **SWITCH**

A switch is a device for making, breaking, or changing the connections in an electric circuit.

A. Single-pole Switch (Single-pole, Single-throw)

A switch which makes or breaks the connection of one conductor.

B. Double-pole Switch (Double-pole, Single-throw)

A switch which makes or breaks the connection of two conductors of a single branch circuit.

C. Three-way Switch (Single-pole, Double-throw)

A switch which changes the connection of one conductor and which is normally used in pairs to control one utilization equipment from two locations.

D. Four-way Switch (Double-pole, Double-throw Reversing)

A form of double-pole switch which is used in conjunction with two three-way switches to control one utilization equipment from three or more locations.

NEMA Standard 7-13-1967

WD 1-1.13 **TERMINAL (ON A WIRING DEVICE)**

A terminal is a fixed location on a wiring device where a conductor is intended to be connected.

NEMA Standard 7-13-1967

WD 1-1.14 **WIRE (PLUGS AND RECEPTACLES)**

The term “wire” as used in designating plugs and receptacles indicates the number or either normally current-carrying or equipment grounding connected conductors.

NEMA Standard 7-13-1967

High-Abuse Wiring Devices — UL Listed Hospital Grade

Why was it developed?

Hospital Grade Listed devices were developed to provide maximum safety in high-abuse applications where constant strenuous use of the device is common. These highest reliability devices are built to protect against possible human negligence and keep the devices safe and functional.

What are the applications for Hospital Grade, High Abuse Devices?

Rough use occurs not just in hospitals, but every place where people can't or won't be cautious with devices…the cleaning person who yanks the floor waxer plug down the hall, the mechanic who pulls the drill plug from the wall, or the child who removes the electric lawnmower plug from 40 feet away!

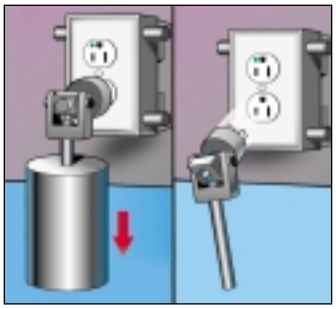
In addition, Leviton realized that devices in rough use situations are often exposed to many corrosive liquids, such as cleaning fluids, rug shampoos, chlorinated water, sprays, salt air and chemical fumes. Our corrosion resistant devices permit use in environments where these conditions are common.

Demanding Tests for UL Hospital Grade Listing

Leviton has designed a line of wiring devices that withstand impact, wear, crushing, and corrosive environments that would destroy ordinary heavy-duty devices. Leviton's comprehensive line of Hospital Grade and Industrial Grade plugs, connectors and receptacles include devices that have passed a series of demanding UL Hospital Grade tests. This assures the end-user of top performance in the harshest industrial environments. Here are examples of how Leviton devices meet or exceed the requirements of the most rigorous testing!

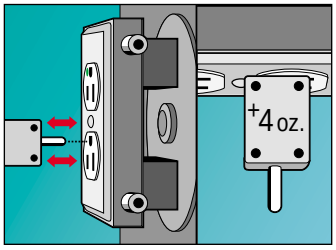
Receptacles

Abrupt Removal of Plug Test



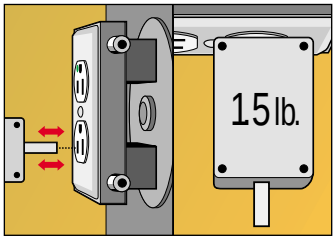
A steel-bodied test plug with brass blades is inserted into the receptacle. A 10-pound weight dropped from at least 24 inches yanks the plug out of the receptacle. This test is done eight times with the receptacle rotated into different positions to create the greatest stress on its face and contact. After this, the grounding contact must retain a four ounce, 0.184" diameter grounding pin, with the receptacle face down, for one minute. "There shall be no breakage of the receptacle that interferes with the receptacle function or the integrity of the enclosure. The receptacle shall maintain the grounding path integrity through the receptacle."

Ground Pin Test



The grounding contact of the receptacle is conditioned by 20 insertions with a 0.204" diameter oversized pin. "After conditioning, a 0.184" diameter pin shall be inserted in the grounding contact and shall be capable of supporting at least four ounces for one minute."

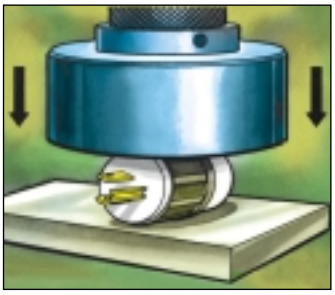
Power Blade Retention Test



A test plug with oversized blades of .075" is inserted into the current-carrying opening of the connector for 20 conditioning cycles. After the conditioning cycles, "the contact shall be capable of supporting for one minute 1½ lbs, secured to a single .055" thick solid steel blade without holes."

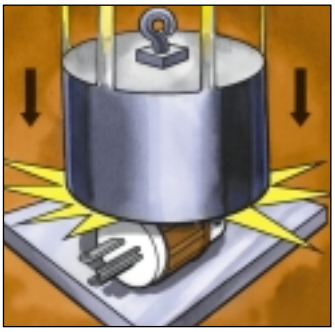
Plugs and Connectors

500 lb. Crush Test



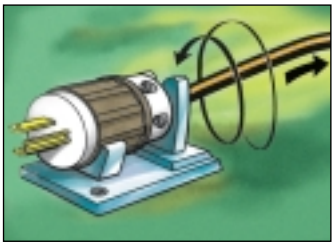
A wired plug or connector is placed between two steel plates and subjected to a force which is steadily increased to 500 pounds. "There shall be no breakage, deformation or other effect that may interfere with the function of the device." Leviton knows that in real industrial environments, plugs and connectors are crushed by forces exceeding 500 lbs. Leviton performs the crush test with force of 2500 lbs to ensure that our devices withstand the really heavy hits on the job.

Impact Test



A wired plug or connector is subjected to impact from a 10 lb. weight dropped from a height of 18 inches. "There shall be no breakage, deformation or other effect that may interfere with the function of the device." Plugs and connectors are subjected to severe impacts in industrial settings. Therefore, Leviton exceed the UL requirement by dropping the weight from a height of 36 inches.

Cord Pull Test



The cord must remain securely fastened after straight pulls of 30 pounds, and rotating pulls (in a 3-inch circle) of 10 pounds for two hours. "Displacement of conductors, insulation, and outer jacket of the flexible cord AWG 18 SVT shall not exceed 1/32 inch. There shall be no cuts, rips, or tears in cord insulation."

Heavy-duty cord stress is typical abuse for industrial plugs and connectors. Leviton increases the weight in the straight cord pull test to 175 lbs. with AWG 14 ST and in the rotating pull test to 20 lbs, ensuring positive strain relief under industrial conditions.

Mechanical Drop Test

A sample wired plug or connector is suspended horizontally by its attached cord and released so that it impacts a hard wood surface 45 inches below the point of suspension - repeated for 1300 cycles. "There shall be no breakage, deformation or other damage which would interfere with the functioning of the device."

Glossary of Electrical Wiring Device Terms

General Terms

Adapter — An accessory used for interconnecting non-mating devices or converting an existing device for modified use.

Ballast — A transformer that steps down AC line voltage to voltage that can be used by fluorescent or other types of lighting. Ballasts may be electromagnetic or electronic

Cord Connector — A portable receptacle designed for attachment to or provided with flexible cord, not intended for fixed mounting.

Flanged Inlet — A plug intended for flush mounting on appliances or equipment to provide a means for power connection via a cord connector.

Flanged Outlet — A receptacle intended for flush mounting on appliances or equipment to provide a means for power connection via an inserted plug.

Fluorescent Starter — A device with a voltage-sensitive switch and a capacitor that provides a high-voltage pulse to start a fluorescent lamp. Rated in watts.

Lampholder — A device with contacts that establishes mechanical and electrical connection to an inserted lamp.

Plug — A device with male contacts intended for insertion into a receptacle to establish electrical connection between the attached flexible cord and the conductors connected to the receptacle.

Receptacle — A device with female contacts designed for fixed installation in a structure or piece of equipment and which is intended to establish electrical connection with an inserted plug.

Switch — A device for making, breaking, or changing the connections in an electric circuit.

Wallplate — A plate designed to enclose an electrical box, with or without a device installed within the box.

Adapter Variations

Cube Tap — An adapter that converts one receptacle opening into multiple openings.

Current Tap — An adapter designed for medium base lampholders which has one or two receptacle openings. Available with or without integral switch.

Duplex — An adapter that provides two female receptacle openings when plugged into a single receptacle opening.

Grounding - An adapter that converts a two-wire receptacle opening into a two-pole, three-wire grounding receptacle opening.

Lampholder — A threaded adapter that converts the thread size of the lampholder in which it is inserted so that the lampholder can accept an incandescent lamp bulb of a different size thread.

Molded-On — An adapter that is factory molded to a length of flexible cord.

Series — An adapter wired in series to a flexible cord containing an in-line switch used to control electrical equipment plugged into the adapter.

"W" Type — Same as "Y" type, except having three cord connectors arranged in the form of the letter "W".

"Y" Type — An adapter in the form of a letter "Y", having two cord connectors on one end and a male plug on the other end.

Cord Connectors

Angle —A connector that allows the attached flexible cord to exit at right angles.

Corrosion Resistant — A connector constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Dust Proof — A connector designed so that dust will not interfere with its operation. The IP Suitability Rating designates the degree of protection a device offers against the ingress of foreign objects (e.g. IP 20).

Explosion Proof — A connector constructed to meet the requirements of hazardous locations as defined by the National Electrical Code, NFPA-70.

Hospital Grade — A connector designed to meet the performance requirements of high-abuse areas typically found in health care facilities. These connectors are tested to the Hospital Grade requirements of Underwriters Laboratories Inc. Standard 498.

Locking — A connector designed to lock an inserted plug with a matching blade configuration when the plug is rotated in a clockwise direction. The plug can only be removed by first turning it in a counter-clockwise direction.

Midget — A connector designed with a smaller body diameter than standard connectors with a similar rating.

Molded On — A connector that is factory molded to a length of flexible cord.

Pin and Sleeve — A connector with hollow, cylindrical sleeve-type contacts.

Straight Blade — A non-locking connector into which mating plugs are inserted at a right angle to the plane of the connector face.

Weatherproof — A connector specially constructed so that exposure to weather will not interfere with its operation.

Flanged Inlets

Corrosion Resistant — An inlet constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Flush-Mounted — An inlet intended to be installed flush with the surface of a panel or a piece of equipment.

Locking — An inlet designed to lock an inserted matching connector when the connector is rotated in a clockwise direction. The connector can only be removed by first turning it in a counter-clockwise direction.

Midget — An inlet designed with a smaller body diameter than standard connectors with a similar rating.

Pin and Sleeve — An inlet with round pin-type contacts intended to mate with a connector having hollow cylindrical female contacts.

Straight Blade — A non-locking inlet into which mating connectors are inserted at a right angle to the plane of the connector face.

Surface-Mounted — An inlet designed to be surface mounted on a panel or piece of equipment.

Watertight — An inlet specially constructed so that water will not enter under specified test conditions. The IP Suitability Rating designates the degree of protection a device offers against the ingress of moisture and water (e.g. IP 55, IP 44).

Weatherproof — An inlet specially constructed to protect it from the effects of weather in outdoor locations.

Flanged Outlets

Corrosion Resistant — An outlet constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B17-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Flush-Mounted — An outlet intended to be installed flush with the surface of a panel or a piece of equipment.

Locking — An outlet designed to lock an inserted plug with a matching blade configuration when the plug is rotated in a clockwise direction. The plug can only be removed by first turning it in a counter-clockwise direction.

Midget — An outlet designed with a smaller body diameter than standard devices with a similar rating.

Pin and Sleeve — An outlet with hollow cylindrical female contacts intended to mate with a plug having round pin contacts.

Straight Blade — A non-locking outlet into which mating straight-blade plugs are inserted at a right angle to the plane of the outlet face.

Surface-Mounted — An outlet designed to be surface mounted on a panel or piece of equipment,

Watertight — An outlet specially constructed so that water will not enter under specified test conditions. The IP Suitability Rating designates the degree of protection a device offers against the ingress of moisture and water(e.g. IP 55, IP 44).

Weatherproof — An outlet specially constructed so that exposure to weather will not interfere with its operation.

Fluorescent Starters

Automatic Reset — A starter that automatically restarts a new replacement fluorescent lamp after the circuit is energized.

Direct Current — A thermal-type starter designed for use on direct current (DC) circuits.

Glow Discharge — A starter that provides a rapid lamp start-up and will continue to try to start a failed fluorescent lamp, causing the lamp to flicker until it is replaced.

Manual Reset — A starter that automatically deactivates a failed fluorescent lamp to eliminate flickering. A reset button provides a means of activating the circuit after lamp replacement.

Lampholders

Bayonet — Designed for incandescent lamps having an unthreaded metal shell with two diametrically opposite keyways that mate with the keyways on the lampholder. Pushing down on the bulb and turning it clockwise in the lampholder locks the bulb in place.

Candelabra — A small screw-base threaded lampholder designed for candelabra-base incandescent lamps commonly used in chandeliers, night lights, and ornamental lighting.

Circline — A four-contact, double-ended lampholder designed for use with tubular, circular fluorescent lamps.

Compact Fluorescent — A lampholder designed for the Compact Fluorescent Lamps (CFL's) that are increasingly being used to replace incandescent lamps for energy efficiency.

Dimmer — An electronic device with either a round knob, slide lever or finger-tip controlled buttons used to dim/brighten incandescent lighting. Available in a variety of wattages; fluorescent version also available.

Glossary of Electrical Wiring Device Terms

Double-Contact Recessed — Designed for high-output fluorescent lamps.

Edison Base — An internally-threaded lampholder, with the inner shell approx. 1" in diameter. Designed for widely-used standard medium base lamps.

Electrolier — Similar to the Edison Medium Base lampholder, but with a smaller outer diameter.

Incandescent — Designed for use with all manufactured incandescent lamps, most of which have threaded bases.

Intermediate — A lampholder with a threaded screw shell designed for intermediate base lamps that have a 13/32" threaded base (smaller than the standard 1" dia. medium base). Mostly used in decorative lighting.

Key — A lampholder with a flat or round "key" knob that operates an internal switching mechanism ("Keyless" lampholders do not provide an internal switching mechanism).

Lumiline — A specially designed lampholder for tubular Lumiline-type incandescent lamps, typically used in bathrooms and retail display cases.

Medium Base — Same as the Edison base lampholder. An internally-threaded lampholder, with the inner shell approx. 1" in diameter. Designed for widely-used standard medium base lamps.

Miniature — Designed for the smallest available incandescent lamps with a screw-in base, approx. 3/8" dia. Widely used in flashlights and toys, etc.

Mogul — The largest screw-in type lampholder, designed for mogul incandescent lamps with a screw base of approx. 1 1/2" dia. Used in street lights and numerous commercial/industrial applications.

Medium Bi-Pin — A fluorescent lampholder with two contacts, used in pairs. For type T-8 tubular fluorescent lamps, approx. 1" in diameter.

Miniature Bi-Pin — Similar to medium bi-pin lampholders, but designed for type T-5 tubular fluorescent lamps, approx. 5/8" in diameter.

Outlet Box — Medium-base incandescent lampholder designed for mounting in 3 1/4" or 4" electrical boxes. Available with or without pull-chain mechanism, and with or without built-in receptacle.

Pull-Chain — An incandescent lampholder with an internal switching mechanism that is activated by pulling down on a beaded chain or cord.

Push-Through — An incandescent lampholder with an insulated lever that

is pushed from either side to activate an internal ON/OFF switching mechanism.

Slimline Single-Pin — A fluorescent lampholder with a single contact designed for Slimline fluorescent lamps such as the T-12 (1 1/2" dia.), T-8 (1" dia.), and the smaller version T-6 (3/4" dia.).

Snap-In — An incandescent or compact fluorescent lampholder with factory-assembled spring clips that securely snap into a panel cutout without requiring additional fasteners.

Surface-Mounted — A lampholder of any type that mounts on a flat or plane surface.

Plugs

Angle — A plug that allows the attached flexible cord to exit at right angles.

Corrosion Resistant — A plug constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Dust Proof — A plug designed so that dust will not interfere with its operation. The IP Suitability Rating designates the degree of protection a device offers against the ingress of foreign objects (e.g. IP 20).

Explosion Proof — A plug constructed to meet the requirements of hazardous locations as defined by the National Electrical Code, NFPA-70.

Hospital Grade — A plug designed to meet the performance requirements of high-abuse areas typically found in health care facilities. These plugs are tested to the Hospital Grade requirements of Underwriter's Laboratories Inc. Standard 498.

Locking — A plug designed to lock into a matching connector or receptacle configuration when the plug is rotated in a clockwise direction. The plug can only be removed by turning it in a counter-clockwise direction.

Midget — A plug designed with a smaller body diameter than standard plugs with a similar rating.

Molded On — A plug that is factory molded to a length of flexible cord.

Pin and Sleeve — A plug with round pin contacts.

Straight Blade — A non-locking plug that is inserted at a right angle to the plane of the matching device face.

Weatherproof — A plug specially constructed so that exposure to weather will not interfere with its operation.

Receptacles

AL/CU — 30A, 50A or 60A receptacles designated for use with aluminum or copper circuit conductors, identified by "AL/CU" stamped on the device. Receptacles without this designation must never be used with aluminum circuit conductors.

Clock Hanger — A single, recessed receptacle with a specialized cover plate that provides a hook or other means of supporting a wall clock.

CO/ALR — 15A or 20A receptacles designated for use with aluminum or copper circuit conductors, identified by "CO/ALR" stamped on the device. Receptacles without this designation must never be used with aluminum circuit conductors.

Corrosion Resistant — A receptacle constructed of special materials and/or suitably plated metal parts that is designed to withstand corrosive environments. Corrosion resistant devices must pass the ASTM B117-13 five-hundred hour Salt Spray (Fog) Test with no visible corrosion.

Display — Receptacle with a special cover plate intended for flush mounting on raised floors or walls.

Duplex — Two receptacles built with a common body and mounting means; accepts two plugs.

Dust Proof — A receptacle designed so that dust will not interfere with its operation. The IP Suitability Rating designates the degree of protection a device offers against the ingress of foreign objects (e.g. IP 20).

Explosion Proof — A receptacle constructed to meet the requirements of hazardous locations as defined by the National Electrical Code, NFPA-70.

Fan Hanger — A single receptacle with a specialized cover plate that provides a hook or other means of supporting a wall fan.

Four-In-One or "Quad" — A receptacle in a common housing that accepts up to four plugs. Four-In-One receptacles can be installed in place of duplex receptacles mounted in a single-gang box, providing a convenient means of adding receptacles without rewiring.

GFCI (Ground Fault Circuit Interrupter) — A receptacle with a built in circuit that will detect leakage current to ground on the load side of the device. When the GFCI detects leakage current to ground, it will interrupt power to the load side of the device, preventing a hazardous ground fault condition. GFCI receptacles must conform to UL Standard 943 Class A requirements, and their use is required by the National Electric Code NFPA-70 in a variety of indoor and outdoor locations.

Hospital Grade — A receptacle designed to meet the performance requirements of high-abuse areas typically found in health care facilities. These receptacles are tested to the Hospital Grade requirements of Underwriters Laboratories Inc. Standard 498.

Interchangeable — A receptacle or combination of receptacles with a common mounting dimension that may be installed on a single or multiple-opening mounting strap.

Isolated Ground — Receptacles intended for use in an Isolated Grounding system where the ground path is isolated from the facility grounding system. The grounding connection on these receptacles is isolated from the mounting strap.

Lighted (Illuminated) — A receptacle with a face that becomes illuminated when the device is connected to an energized electrical circuit.

Locking — A receptacle designed to lock an inserted plug with a matching blade configuration when the plug is rotated in a clockwise direction. The plug can only be removed by first turning it in a counter-clockwise direction.

Pin and Sleeve — A receptacle with cylindrical sleeve-type contacts.

Safety or Tamper-Resistant — A receptacle specially constructed so that access to its energized contacts is limited. Tamper-resistant receptacles are required by the National Electric Code NFPA-70 in specific pediatric care areas in health care facilities.

Single — A receptacle that accepts only one plug.

Snap-In — A receptacle with factory-assembled spring clips that securely snap into a panel cutout without requiring additional fasteners.

Split-Circuit — A duplex receptacle that allows each receptacle to be wired to separate circuits. Most duplex receptacles provide break-off tabs that allow them to be converted into split-circuit receptacles.

Straight Blade — A non-locking receptacle into which mating plugs are inserted at a right angle to the plane of the receptacle face.

Surface-Mounted — Any receptacle that mounts on a flat or plane surface.

Surge-Suppression — A receptacle with built-in circuitry designed to protect its load side from high-voltage transients and surges. The circuitry will limit transient voltage peaks to help protect sensitive electronic equipment such as PC's, modems, audio/video equipment, etc.

Triplex — A receptacle with a common mounting means which accepts three plugs.

Weatherproof — A receptacle specially constructed so that exposure to weather will not interfere with its operation.

Switches

AC/DC — A switch designated for use with either Alternating Current (AC) or Direct Current (DC)

AC Only — A switch designated for use with Alternating Current (AC) only.

Dimmer — A switch with electronic circuitry that provides DIM/BRIGHT control of lighting loads.

Door — A momentary contact switch, usually installed on a doorjamb, that is activated when the door is opened or closed.

Double-Pole, Single-Throw (DPST)— A switch that makes or breaks the connection of two circuit conductors in a single branch circuit. This switch has four terminal screws and ON/OFF markings.

Glossary of Electrical Wiring Device Terms

Double-Pole, Double-Throw (DPDT) — A switch that makes or breaks the connection of two conductors to two separate circuits. This switch has six terminal screws and is available in both momentary and maintained contact versions, and may also have a center OFF position.

Feed-Through — An in-line switch that can be attached at any point on a length of flexible cord to provide switching control of attached equipment.

Flush-Mounted — A switch designed for flush installation with the surface of a panel or equipment.

Four-Way — A switch used in conjunction with two 3-Way switches to control a single load (such as a light fixture) from three or more locations. This switch has four terminal screws and no ON/OFF marking.

Horsepower Rated — A switch with a marked horsepower rating, intended for use in switching motor loads.

Interchangeable — A switch or combination of switches with a common mounting dimension that may be installed on a single or multiple-opening mounting strap.

Lighted Handle — A switch with an integral lamp in its actuator (toggle, rocker or pushbutton) that illuminates when the switch is connected to an energized circuit and the actuator is in the OFF position.

Locking — A switch equipped with a locking mechanism that requires a key to operate the switching functions.

Low-Voltage — A switch rated for use on low-voltage circuits of 50 volts or less.

L-Rated — A switch specially designated with the letter "L" in its rating that is rated for controlling tungsten filament lamps on AC circuits only.

Maintained Contact — A switch where the actuator (toggle, rocker, pushbutton or key mechanism) makes and retains circuit contact when moved to the ON position. The contacts will only be opened when the actuator is manually moved to the OFF position. Ordinary light switches are maintained contact switches.

Manual Motor Controller — A switch designed for controlling small DC or AC motor loads, without overload protection.

Mercury — A type of switch that uses mercury as the contact means for making and breaking an electrical circuit.

Momentary Contact — A switch that makes circuit contact only as long as the actuator (toggle, rocker, pushbutton or key mechanism) is held in the ON position, after which it returns automatically to the OFF position. This is a "Normally Open" switch. A "Normally Closed" switch will break circuit contact as long as it is held in the OFF position, and then automatically return to the ON position. Available in "Center OFF" versions with both Momentary ON and Momentary OFF positions.

Pendant — A type of switch designed for installation at the end of a length of portable cord or cable,

Pilot Light — A switch with an integral lamp in its actuator (toggle, rocker or push-button) that illuminates when the switch is connected to an energized circuit and the actuator is in the ON position.

Pull — A switch where the making or breaking of contacts is controlled by pulling downward or outward on the actuator mechanism.

Push Button — A switch with an actuator mechanism that is operated by depressing a button.

Rotary — A switch where rotating the actuator in a clockwise direction makes the circuit connection, and then rotating the actuator in either the same or opposite direction breaks the connection.

Single-Pole, Double-Throw (SPDT) — A switch that makes or breaks the connection of a single conductor with either of two other single conductors. This switch has 3 terminal screws, and is commonly used in pairs and called a "Three-Way" switch.

Single-Pole, Single-Throw (SPST) — A switch that makes or breaks the connection of a single conductor in a single branch circuit. This switch has two screw terminals and ON/OFF designations. It is commonly referred to as a "Single-Pole" Switch.

Slide — A switch with a slide-action actuator for making or breaking circuit contact. Dimmer switches and fan speed controls are also available with slide-action mechanisms for lighting and fan speed control

Surface-Mounted — Any switch that mounts on a flat or plane surface.

Three-Position, Center OFF — A two circuit switch, either maintained or momentary contact, where the OFF position is designated as the center position of the actuator.

Three-Way — A switch, always used in pairs, that controls a single load such as a light fixture from two locations. This switch has three terminal screws and has no ON/OFF marking.

Time Delay — A switch with an integral mechanism or electronic circuit that will automatically switch a load OFF at a predetermined time interval.

Timer — A switch with an integral mechanism or electronic circuit that can be set to switch an electrical load ON at a predetermined time.

Toggle — A switch with a lever-type actuator that makes or breaks switch contact as its position is changed.

T-Rated — A switch specially designated with the letter "T" in its rating that is rated for controlling tungsten filament lamps on direct current (DC) or alternating current (AC) circuits.

Wallplates

Combination — A multiple- gang wallplate with openings in each gang to accommodate different devices.

Decora® — Wallplates with Decora-size openings for compatibility with Leviton's entire line of Decora devices. Available in a variety of multiple-gang configurations. Screwless-design snap-on versions also available.

Flush — A wallplate designed for flush-mounting with wall surfaces or the plane surfaces of electrical equipment.

Gang — A term that describes the number of devices a wallplate is sized to fit (i.e. "2- gang" designates two devices).

Midway — Wallplates that are approx. 3/8" higher and wider than the standard size that can be mounted onto larger volume outlet boxes and/or used to hide wall surface irregularities. These wallplates are approx. 1/4" deep to ensure a proper fit when used with protruding devices.

Oversized — Wallplates that are approx. 3/4" higher and wider than the standard size and are used to conceal greater wall irregularities than those hidden by Midway wallplates. These wallplates are approx. 1/4" deep to ensure a proper fit when used with protruding devices.

Modular — Individual-section wallplates with different openings that can be configured into a multi-gang plate.

Multi-Gang — A wallplate that has two or more gangs.

Tandem — A wallplate with individual gangs arranged vertically one above the other.

Weatherproof (with Cover Closed) — A UL Listed cover that meets specific test standards for use in wet and damp locations with the cover closed.

Weatherproof (with Cover Open) — A UL Listed cover that meets specific test standards for use in wet and damp locations with the cover open or closed.

Surge Suppression

Clamping Voltage — The peak voltage that can be measured after a Surge Protective Device has limited or "clamped" a transient voltage surge.
Clamping voltage must be determined by using IEEE Standard C62 testing and evaluated by UL Standard 1449.

Joule Rating — The measurement of a Surge Protective Device's ability to absorb heat energy created by transient surges. Note that the Joule rating is not a part of IEEE or UL Standards. It is not as significant a specification as Clamping Voltage, Maximum Surge Current and other parameters recognized by these agencies.

Transient Voltage Surges — High-speed, high-energy electrical disturbances present on AC power lines and data and communication lines, generated by utility switching, motor-load switching and lightning strikes.

Response Time — The interval of time it takes for a surge protective device to react to a transient voltage surge. Note that this parameter is not a part of IEEE or UL Standards and is only based on estimations made by manufacturers.

Surge Protective Device — See "Transient Voltage Surge Suppressor (TVSS)" definition.

Transient Voltage Surge Suppressor (TVSS) — A device designed to protect sensitive electronic equipment such as computers and computer peripherals, logic controls, audio/video equipment and a wide range of microprocessor-based (computer chip) equipment from the harmful effects of transient voltage surges. Also referred to as a Surge Protective Device (SPD).

Maximum (Peak) Surge Current — The peak surge current a Surge Protective Device can withstand, based on IEEE Standard C62.45 test waveforms.

MOV (Metal Oxide Varistor) — The primary component used in most Surge Protective Devices to clamp down transient voltages.

UL 1449 Listing — The industry standard for Surge Protective Devices. A Surge Protective Device must have a UL 1449 Surge Suppression rating on its label in order to verify that the device has been tested with IEEE standardized waveforms. Devices without this identification should not be considered reliable surge protective devices.

Switches

Types of Switches

Switches used in branch circuit wiring are rated in two general categories: AC ONLY and AC/DC. Originally, the electrical power furnished to residences and businesses by utility companies was Direct Current or DC. Because DC current was always flowing at full value, the making or breaking of a circuit created a rather strong arc during switch operation. For this reason, the contacts had to be widely gapped and the operation had to be "quick make, quick break" to avoid excessive pitting or welding of the contact points.

Alternating current operates between zero and full power 120 times per second. Because of the oscillating characteristic of AC power, the arc from an AC circuit is self-extinguishing on the "break" of the current. This means a slower breaking action is possible on an AC switch, as opposed to the breaking action required of a switch made for use with continuous full-power DC. The pulsating nature of AC can, however, cause a "chattering" or very fast series of "makes" and "breaks" if the circuit is closed too quickly. For this reason an AC ONLY switch works with a somewhat slower "fast make" and "break" than an AC/DC switch.

Because the make and break actions of an AC/DC switch must be fast, it can be rather noisy, and must use contact metals capable of enduring such comparatively violent action while still offering acceptable electrical conductivity. An alloy of copper is most often used.

Silver and its oxides are better conductors than copper and its oxides. Silver is much softer than copper and therefore cannot be used in the AC/DC switch. However, silver can be used in the AC ONLY switch because of its gentler "fast make" characteristic, especially when silver is alloyed with cadmium oxide, a good conductor that's quite hard.

Switch Ratings

AC ONLY switches are often called AC Quiet switches because they can be made to operate very quietly, unlike AC/DC switches. AC ONLY switches are rated at their full current value for lighting, including tungsten filament, quartz metal-halide, and fluorescent; and 80% current value or full horsepower rating value for motor (inductive) loads.

AC/DC switches used for incandescent lighting should have a "T" rating (tungsten-filament rating). The "T" rating assures end-users of the longevity of the switch through the surge currents of a "make" action across a tungsten filament. Such capacity is already inherent in the design of AC Quiet switches.

AC/DC switches are rated at only 50% of their current capacity for motor loads. A 20 amp AC/DC switch could be used to control a 10 amp motor load, while a 20 amp AC Quiet switch can operate a 16 amp motor load.

In the past, MERCURY switches were available that operated by making and breaking contact within a hermetically sealed capsule containing a pool of mercury. MERCURY switches were actually silent in operation. However, due to health concerns about mercury, these switches are no longer manufactured and sold. MERCURY switches may still be in service in some installations

Horsepower Ratings

Switches marked with Horsepower (HP) Ratings are suitable for controlling the motor loads of the HP ratings shown on the switch, as well as loads with a lower HP rating.

To qualify for an HP rating, a switch is tested at six times the full motor load current corresponding the HP rating marked on the switch. For DC motor load controllers, the test is made at 10 times the full motor load current corresponding to the DC HP rating marked on the switch. The test is conducted on six samples and consists of 50 On-Off operations at the load. For a 3/4 HP rating at 120/240 VAC, two sets of six samples each are tested in addition to the regular overload endurance, heating and insulation tests. The test circuit characteristics are:

	For 3/4 HP Rating @ 120 VAC	For 3/4 HP @ 240 VAC
Closed Circuit Volts	120 VAC	240 VAC
Current	82.8 amps	41.4 amps
Power-Factor	0.40 – 0.50	0.40 – 0.50

Note: The current at 240 VAC is 1/2 that at 120 VAC

All switches must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to ground (the switch frames are grounded during the Stalled Rotor Test).

Dimmers

A common misconception about box-mounted dimmers is that they are simply variable resistors (rheostats) that absorb power to dim the lights. In fact, a rheostat would be too bulky, inefficient and heat producing to ever be practical as a wall-mounted dimmer. In the 1950's, the advent of solid state technology and a type of semi-conductor called the TRIAC fostered the development of full-range dimmers and fan speed controls that were versatile, efficient and compact enough to fit in a standard wallbox.

Leviton has always taken an active role in the development lighting control technologies. Leviton introduced the Trimatron™ Rotary Dimmer that was only half as deep as conventional dimmers, allowing easier installation and wiring in a crowded wallbox. Today, Leviton offers innovative all-digital lighting controls that feature scene lighting and multi-location control capabilities for sophisticated residential and commercial installations. Leviton's complete line of controls for incandescent, low-voltage and fluorescent lighting includes Decora-style and architectural specification grade devices, as well as traditional rotary devices. There is also a wide selection of Fan Speed Controls

See Section O for information on Leviton's comprehensive line of Lighting and Fan Speed Controls.

Receptacles

Types of Receptacles

Receptacles generally are made to accommodate either of two types of plugs. *Straight-Blade* plugs are pushed in and pulled straight out. *Locking* plugs are pushed in and rotated slightly in a clockwise direction to a position were they cannot be pulled straight out. They must be rotated counterclockwise back to the insertion position in order to be withdrawn. This locking action is intended to prevent accidental disconnection of the circuit by pulling the plug straight out unintentionally.

Grounding

Originally, residential electrical circuitry was "2-pole, 2-wire" and did not have an equipment grounding means at the receptacle. The only grounding point was at the service entrance, where the neutral (white) conductor was grounded. The receptacle slot for the neutral wire, according to NEMA configuration 1-15R, must be longer than the slot for the phase or hot wire (typically black or red). This enables certain items of equipment, like TV sets and home appliances, to have their external metal parts or casing grounded through the white neutral connection. Such equipment uses a polarized plug where the neutral plug blade is wider than the hot plug blade, ensuring that it mates properly with the NEMA 1-15R configuration receptacle. Receptacles designed for 2-pole, 2-wire circuits do not have mounting straps that are connected to a grounding terminal. Leviton still offers 2-pole, 2-wire receptacles for replacement use only in existing non-grounding systems.

Experience proved that a single grounding point through the neutral conductor was not sufficiently safe. Conditions could occur where fault currents and differences in potential lead to shocks, overheating, equipment burnout and fire. Therefore, the 2-pole, 3-wire circuit was developed. A third conductor, called the grounding conductor, does not carry current during normal circuit operation. It is connected to the neutral bus bar at the service entrance and runs along with the current-carrying neutral and hot conductors .The grounding conductor is connected only to outlet boxes, chassis and other non-current carrying components that may carry current in case of damage or defects in the wiring system. It is sometimes referred to as the "equipment grounding conductor."

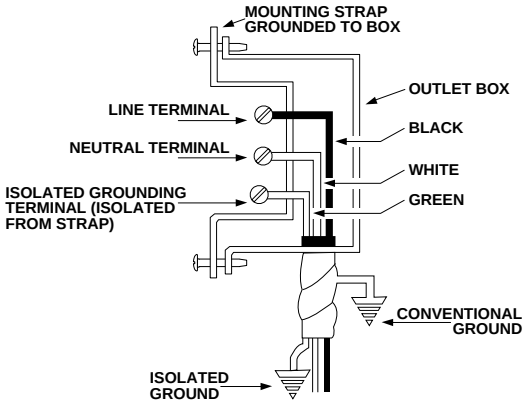
The grounding contacts on the 2-pole, 3-wire receptacles are most commonly shaped like a "U", which is how the term "U-ground" evolved. The grounding contacts on these receptacles are securely fastened to the mounting strap. In Leviton receptacles, the grounding contacts are permanently riveted to the mounting strap, and in most Leviton Hospital Grade and Industrial Grade receptacles they are an integral part of the strap. Many Leviton receptacles offer dual ground connection options to help ensure that the receptacle is properly connected to the grounding system: An integral green grounding screw for direct connection to the green or bare grounding wire, and a patented Groundamatic® self-grounding clip riveted to the strap to provide automatic ground connection when the receptacle is mounted in a properly grounded metal wallbox.

Isolated-Ground Receptacles

Although the conventional grounding system provides safety for personnel and equipment, it may be a source of electrical interference that can cause problems in modern electronic equipment. Because the conventional grounding network runs through an entire facility, it can unintentionally function as a pick-up of transient electrical signals or "noise." These transient signals will then be introduced to equipment through the ground connection. Microprocessor-based equipment, including computers, cash

registers, medical equipment and audio/video equipment, may malfunction as a result of this noise.

Isolated-Grounding Receptacles can help eliminate problems caused by electrical interference in a conventional ground system. The ground contacts on Isolated-Ground Receptacles are electrically isolated from the mounting strap and therefore they are isolated from the conventional ground system. The green ground screw is connected to a pure ground path that is separate from a facility's grounding network. The isolated ground network is relatively free of electrical noise because it is not a facility-wide grounding path and it's connected to ground at a single point.



ISOLATED-GROUNDING RECEPTACLES

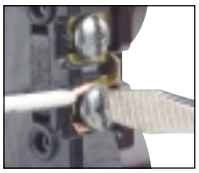
Mounting Straps

There are basically two kinds of mounting straps for receptacles. The "through" type passes between the receptacle body and cover. The "wrap-around" type acts as a cradle for the receptacle, surrounding its side, ends and bottom surfaces.

Power Contact Design

The "contact" does more than make contact with the plug blade — It must grip the plug blade for maximum electrical conductivity and mechanical strength. Leviton receptacles feature double-wipe contacts that grip both sides of each blade, including the U-ground contacts that are often single-wipe in receptacles made by other manufacturers. Leviton Hospital Grade and Industrial Grade receptacles feature triple-wipe contacts for added strength and durability in high-abuse applications. Leviton contacts are made of the copper alloys that offer maximum strength and electrical conductivity.

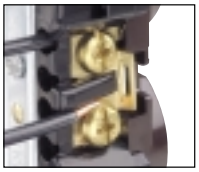
Wiring of Leviton Receptacles



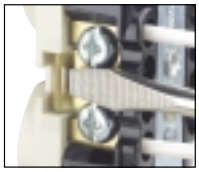
Side Wiring
Loop wire around terminal screw. Screw head locks wire against terminal. For copper or copper/clad aluminum conductors.

Quickwire™ Connection
Insert wire into wire well. Wire is automatically clamped by spring action, insuring good electrical connection. For copper conductors only.

Quickwire™ and Screw
Option of
(1) side wiring or
(2) Quickwire connection.
NOTE: For continuous wiring, both sets of terminals (screw and Quickwire) can be used together.



Back & Side Wiring
Option of (1) side wiring or (2) back wiring: Insert wire into well. Tighten screw, thus clamping wire against terminal. Back wiring for copper or copper/clad aluminum conductors.



Two-Circuit Conversion
To power each outlet of a duplex receptacle separately, simply break off the tab between the two terminals.

Ground Fault Circuit Interrupters (GFCI's)

The Need for Ground Fault Protection

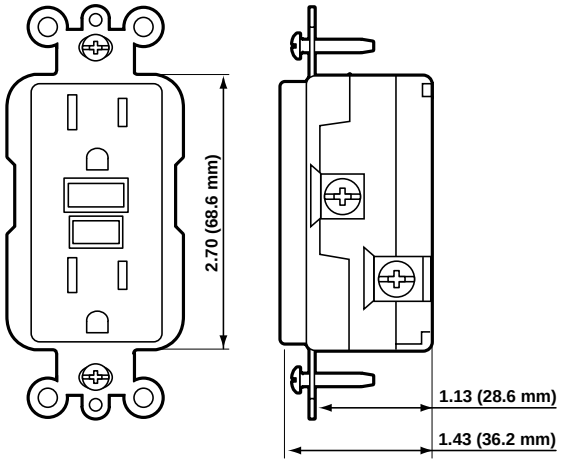
Circuit breakers and fuses protect equipment and building structures from overheating and fire caused by short circuits and high-current overloads. However, the current level needed to trip a breaker is many times greater than the amount of current needed to deliver a powerful, and possibly lethal electrical shock. For example, the hot conductor in an electrical device can become exposed through a break in its insulation, and it may end up touching the device's metal enclosure. The leakage current that now flows through the metal enclosure will be conducted to ground through any available path— including the body of a human being that happens to touch the faulty device. This condition is called a Ground Fault, and the current flowing through the person to ground can be life threatening, though there is usually nowhere near enough current to trip a circuit breaker.

How a GFCI Works

When there is a ground fault condition, all of the current flowing through the "hot" conductor is not returning through the neutral conductor. A Ground Fault Circuit Interrupter (GFCI) monitors the difference in current flow between hot and neutral conductors. If the GFCI senses even a very tiny difference in current flow between the conductors (a ground fault), it interrupts the flow of electrical current through the device by opening its internal double-pole contacts. According to UL Standard 943 Class A, the GFCI must trip when there is a ground fault of 5 milliamps (±1mA). The GFCI must also trip within approximately 25 milliseconds.

GFCI receptacles are rated for 15 or 20 amp circuits. They are used in place of standard box-mounted duplex receptacles. GFCI receptacles can also be feed-through wired to provide ground fault protection to feed-through wired receptacles downstream. Leviton GFCI receptacles feature back and side wire options for maximum wiring versatility, with eight back-wire holes for ease of feed-through wiring.

See Section F for information on Leviton's comprehensive line of Ground Fault Circuit Interrupter Devices.



GFCI RECEPTACLE
No. 6599 Series

Enclosure Type Designations

Enclosures serve the dual purpose of protecting personnel from incidental contact with the enclosed electrical equipment and protecting the enclosed equipment against specified environmental conditions. Enclosures are rated for use in specific environmental conditions by NEMA, UL, CSA and the IEC. The major rating systems used are the NEMA Type Numbers and the IEC Enclosure Classification Designation.

The IEC Enclosure Classification Designation — IP Suitability Ratings

The IP Suitability Ratings are a system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number in the rating, the greater the degree of protection provided by the enclosure. Note that the rating will ONLY apply to properly installed equipment. The chart below defines the numerals in the IP Code.

1. The First Numeral indicates the degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects
2. The Second Numeral indicates the degree of protection of equipment inside enclosures against damage from the ingress of water.

ELEMENTS OF THE IP CODE

Meaning for the Protection of Equipment		
Code Letters	**First Number**	**Second Number**
Ingress Protection	**Against Ingress of Solid Foreign Objects**	**Against Ingress of Water with Harmful Effects**
IP	O – Non protected	O – Non protected
	1 – ≥ 50 mm diameter	1 – Vertically dripping
	2 – ≥ 12.5 mm diameter	2 – Dripping (15 °tilted)
	3 – ≥ 2.5 mm diameter	3 – Spraying
	4 – ≥1.0 mm	4 – Splashing
	5 – Dust-protected	5 – Jetting
	6 – Dust-tight	6 – Power jetting
		7 – Temporary immersion
		8 – Continuous immersion

Note: > denotes greater than or equal to.

Example: IP 54 Suitability Rating = Ingress Protection/Dust-protected/Splashing

Enclosure Types for Non-Hazardous Locations

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

NEMA Standards Publication No. 250-1991
Enclosures for Electrical Equipment (1000 Volts max.)

Type Designation	Intended Use and Description
	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to enclosed equipment against the specified environmental conditions. .
Type 1	Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
Type 2	Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling water or dirt.
Type 3	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and damage from external ice formation.

UNDERWRITERS LABORATORIES INC.

UL50
Standard for Enclosures for Electrical Equipment (10th Edition)

Type Designation	Intended Use and Description
	Enclosure — A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions. A complete enclosure shall be provided for all live parts that may be housed in it. The enclosure shall be tight and, unless designed for a specific installation, such as a cast metal junction or pull box intended to be installed in poured concrete, shall be provided with means for mounting.
Type 1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
Type 2	Indoor use primarily to provide a degree of protection against limited amounts of falling water or dirt.
Type 3	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.

CANADIAN STANDARDS ASSOCIATION

CAN/ CSA C22.2 No. 94-M91
Special Purposes Enclosures

Type Designation	Intended Use and Description
	Enclosures — provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment against specified environmental conditions
	No CSA equivalent.
Type 2	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of noncorrosive liquids, and falling dirt.
Type 3	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosures.

Enclosure Types for Non-Hazardous Locations

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

NEMA Standards Publication No. 250-1991
Enclosures for Electrical Equipment (1000 Volts max.)

Type Designation	Intended Use and Description
Type 3R	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
Type 3S	Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.
Type 4	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
Type 4X	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose directed water, and damage from external ice formation.
Type 5	Enclosures are intended for indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
Type 6	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.
Type 6P	Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.
Type 12	Enclosures are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
Type 12K	Enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, fallling dirt, and dripping noncorrosive liquids.
Type 13	Enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolants.

UNDERWRITERS LABORATORIES INC.

UL50
Standard for Enclosures for Electrical Equipment (10th Edition)

Type Designation	Intended Use and Description
Type 3R	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
Type 3S	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.
Type 4	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
Type 4X	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.
Type 5	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
Type 6	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.
Type 6P	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.
Type 12	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
Type 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
Type 13	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorosive coolant.

CANADIAN STANDARDS ASSOCIATION

CAN/ CSA C22.2 No. 94-M91
Special Purposes Enclosures

Type Designation	Intended Use and Description
Type 3R	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.
Type 3S	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow and windblown dust, the external mechanism(s) remain operable while ice covered.
Type 4	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 5	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of noncorrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	An enclosure for either indoor or outdoor use, constructed so as to provide a degrer of protection against the entry of water during prolonged submersion at a limited depth; undamaged by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; dripping and light splashing of noncorrosive liquids; not provided with knockouts.
Type 12K	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; dripping and light splashing of noncorrosive liquids; and provided with knockouts.
Type 13	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of noncorrosive liquids including oils and coolants.

NEMA and IEC Enclosure Classifications

Comparing NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations (IP Suitability Rating)

IEC

IEC Publication 529, "Classification of Degrees of Protection Provided by Enclosures", defines the IP (Ingress Protection) Suitability Rating. The IP Suitability Rating is a system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number in the rating, the greater the degree of protection provided by the enclosure. The first numeral of the code indicates the degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects. The second numeral indicates the degree of protection of equipment inside enclosures against damage from the ingress of water. For a more detailed explanation of the IP Suitability Code, refer to page T-12.

The IP Suitability Rating defined by IEC 529 does not specify any degree of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (i.e. condensation), corrosive vapors, fungus, or vermin.

NEMA

NEMA Standards Publication 250 defines the NEMA Enclosure Type Numbers. Unlike the IEC Enclosure Classification Designations, NEMA Standards Publication 250 does tests for environmental condition such as corrosion, rust, icing, oil and coolants. For this reason and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. Note that the NEMA Types meet or exceed the test requirements for the associated IEC Classifications. Therefore, this table cannot be used to convert from IEC Classifications to NEMA Types.

Converting NEMA Type Numbers to IEC Classification Designations

(**Note:** This table cannot be used to convert IEC classification designations to NEMA type numbers)

NEMA Enclosure Type Number	Equivalent IEC Enclosure Classification Designation
1	IP10
2	IP11
3	IP54
3R	IP14
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

Materials Used in Wiring Devices

The following is an overview of the materials commonly used in wiring devices. Note that specific brand names of materials used in Leviton devices are subject to change due to a variety of factors. These changes will never compromise the quality, performance and durability features of our wiring devices. Leviton is committed to maintaining the positive qualities of the materials being replaced and choosing new materials with superior qualities as they become available.

Brass

The type of brass commonly used in wiring devices is referred to as standard or "70/30" brass. It is an alloy of 70% copper and 30% zinc that provides the strength and conductivity needed for power and ground contacts, wiring terminals and terminal screws. It is also used for some mounting straps and wallplates.

The Olin Corporation offers a series of alloys sometimes referred to as High Performance Brass or "Olin Brass." Olin brass is a copper alloy consisting of more than 90% copper. It is more resilient than 70/30 brass and used by Leviton to form the power contacts in some Industrial Grade and Hospital Grade devices.

Phosphor Bronze

Phosphor Bronze, an alloy of copper and tin, is superior in strength to 70/30 brass. The advantage of using phosphor bronze parts is that they can be thinner than comparable parts made of standard brass without any loss in strength. For example, Leviton uses a phosphor bronze alloy of 95% copper and 5% tin to form power contacts in some Industrial Grade receptacles. Phosphor bronze power contacts at .031" outperform brass power contacts of a thicker gauge.

Beryllium Copper

An alloy of copper and .5% beryllium is used to form some of the components in Leviton Industrial Grade devices. Beryllium Copper provides excellent strength, durability, electrical conductivity. It also retains its resiliency at elevated temperatures. These properties make Beryllium Copper ideal for the contact arm in heavy-duty switches.

Silver-Cadmium Oxide

Although pure silver is an excellent conductor (superior to copper), it cannot be used for switch contacts. Over time, arcing caused by actuation would weld the silver contacts together. Silver-cadmium oxide, an alloy of 90% silver and 10% cadmium oxide, is widely used by Leviton to form switch contacts. Microscopic particles of cadmium oxide in the silver will decompose due to the heat buildup, preventing the contacts from welding together.

Zinc-Plated Steel

In additon to being strong and durable, zinc-plated steel provides a higher degree of corrosion resistance than standard cold-rolled steel. Leviton uses zinc-plated steel mounting straps in many of their devices. Leviton also offers zinc-plated steel wallplates for power receptacles, available with either a brass or aluminum finish.

Nickel-Plated Metals

Nickel-plating adds a high degree of corrosion resistance to either brass or steel. All the metal parts in Leviton Corrosion Resistant devices (blades, contacts, terminals, mounting straps and screws) are nickel-plated for maximum corrosion resistance. In some cases, cupronickel screws are used, which provide a high degree of corrosion resistance.

Leviton uses an electroless nickel-plating process. The standard plating process uses an electrical charge to coat the metal with nickel. This can produce uneven results, leaving some areas of the metal more coated than others. The more effective electroless process involves submerging the metal in a chemical bath where salts decompose and deposit nickel on the metal substrate. Every surface of the metal is evenly coated. Leviton uses this electroless process to ensure that their Corrosion Resistant wiring devices provide maximum performance in extremely damp and corrosive environments.

Stainless Steel

Type 430 Standard Stainless Steel

Type 430 stainless steel is resistant to the corrosive effects of moisture. Leviton offers a wide selection of wallplates made from this material. Leviton's Raintight-While-In -Use Covers are supplied with stainless-steel mounting screws to help ensure a long service life in wet applications. Note that Type 430 Stainless Steel does have magnetic properties that may interfere with magnetic-sensitive equipment.

Type 302/304 Non-Magnetic Stainless Steel

Type 302/304 Non-Magnetic Stainless Steel is suitable for applications where sensitive equipment may be affected by magnetic material. For example, navigational equipment in marine applications and MRI equipment in health care environments are susceptible to magnetic interference. In addition to being non-magnetic, Type 302/304 stainless Steel is more corrosion resistant than Type 430 stainless steel. Types 302 and 304 differ in composition, but there is virtually no difference between them in terms of non-magnetic and corrosion-resistant properties.

Leviton offers a complete selection of wallplates made of Type 302/304 Non-Magnetic Stainless Steel. These wallplates are ideal for any application where magnetic interference must be avoided. Leviton's Corrosion Resistant wiring devices feature non-magnetic stainless steel assembly screws to ensure their suitability in marine applications. For health care applications where non-magnetic devices are desired, Leviton's Corrosion Resistant devices should also be used.

CO/ALR Devices

Aluminum is used for residential wiring in Europe because it is a good conductor and considerably cheaper than copper. Houses with aluminum wiring were built in the United States, but the practice stopped at least twenty years ago. It was discovered that poor connections between aluminum wire and steel or brass terminal screws led to serious fires. There are still homes with aluminum wiring, and the National Electrical Code stipulates that only CO/ALR devices are to be used in these applications.

Aluminum wire tends to oxidize over time, and the oxide layer does not conduct electricity. This results in a poor connection with the wiring device terminal screws, particularly if they are steel. The connections gradually heat up to the point where fires are started inside the walls. For this reason, all standard wiring devices contain the warning, "For use with copper or copper-clad wire ONLY. Do not use with aluminum wire." The only exception to this are CO/ALR wiring devices.

Leviton offers a selection of CO/ALR devices for use with aluminum wire. In CO/ALR devices, the terminal screws are plating with the element Indium. Indium is an extremely soft metal that forms a gas-sealed connection with the aluminum wire, eliminating problems caused by oxidation.

Thermoset and Thermoplastic Material

There are significant benefits in using thermoplastics in wiring devices instead of thermosets. Each type of thermoplastic also has particular characteristics that may make it ideally suited for a specific application.

Thermosets

Thermoset components are manufactured by compression molding, where powdered material is molded by heat and pressure. Thermoset materials cannot be remolded. The major types of thermoset materials are Phenolic, Urea and Melamine. Phenolic is primarily used for dark colors, while Urea is used for lighter colors.

All thermoset materials provide dimensional stability when used in wiring devices. Phenolic is also a flame-resistant material. Thermosets do not provide a high degree of resistance to impacts, chemicals and solvents, and therefore they are not suitable for heavy-duty applications. Thermosets are not used in Leviton Industrial Grade devices. Urea is still widely used to manufacture wallplates.

Thermoplastics

Thermoplastic components are manufactured by injection molding where pellets of the material are heated to a liquid which can flow into a mold. Unlike thermosets, thermoplastics can be remolded. These materials are the preferred choice for heavy-duty applications because they provide superior resistance to impacts, chemicals and solvents compared to thermosets. The following is a list of the major types of thermoplastic materials, along with some well-known brand names.

- Nylon: Zytel® 101 Type 66 and Zytel Supertough ST 801 Type66
- Polycarbonate: Lexan®, Calibre®, Makrolon®
- Polyester: Valox®, Rynite®
- ABS
- Acrylic
- Polypropylene

Zytel® and Rynite® are registeredtrademaks of the Dupont Co.
Lexan® and Valox® are registered trademaks of the General Electric Co.
Calibre® is a registered trademark of the Dow Chemical Co.
Makrolon® is a registered trademark of Bayer, Inc.

*Chemical Resistance of Materials Commonly Used in Wiring Devices**

CHEMICALS	Nylon	Melamine	Phenolic	Urea	Polyvinyl Chloride	Poly-carbonate	Rubber	Polyester	Poly-propylene
Acids	C	B	B	B	A	B	B	A	A
Alcohol	A	A	A	A	A	A	B	A	A
Caustic Bases	A	B	B	B	A	C	C	B	A
Gasoline	A	B	A	C	A	B	B	A	A
Grease	A	A	A	A	A	B	B	A	A
Kerosene	A	A	A	A	A	B	A	A	A
Oil	A	A	A	A	A	B	A	A	A
Solvents	A	A	A	A	C	C	C	B	B
Water	A	A	A	A	A	A	B	A	A

A – Completely resistant — Good to excellent for general use.
B – Resistance is fair to good — Recommended for limited service.
C – Slow attack. No recommended for use.
***This chemical resistance code applies to general applications. Additonal testing is performed to determine resistivity to chemicals in specific environments.

Thermoplastic Enhancements

UV Stability

Thermoplastics provide varying degrees of UV (Ultraviolet Light) stability. For example, standard grade nylon will lose tensile strength and durability when exposed to sunlight and weathering. Discoloring will also occur. There are additives that will increase the UV stability of thermoplastics. UV Stabilized thermoplastics should be used when a device is intended for extensive outdoor use. For example, Leviton uses UV- stabilized Lexan in their Raintight-While-In-Use Cover, with excellent results.

Glass-Reinforced Thermoplastics

Several types of thermoplastics are available in glass-reinforced versions, including Rynite®, Lexan®, Valox® and nylon. Glass reinforcement increases the rigidity of the material and also raises the operating temperature. For example, Leviton Momentary and Maintained Contact Switches feature glass-reinforced thermoplastic construction, making these switches ideally suited for rugged applications.

ANSI Architectural Symbols

1. LIGHTING OUTLETS

	Ceiling	Wall
1.1	Surface or Pendant Incandescent, Mercury-Vapor, or Similar Lamp Fixture	
1.2	Recessed Incandescent, Mercury-Vapor, or Similar Lamp Fixture	
1.3	Surface or Pendant Individual Fluorescent Fixture	
1.4	Recessed Individual Fluorescent Fixture	
1.5	Surface or Pendant Continuous Row Fluorescent Fixture	
1.6	Recessed Continuous Row Fluorescent Fixture	
1.7	Bare-Lamp Fluorescent Strip	
1.8	Surface or Pendant Exit Light	
1.9	Recessed Exit Light	
1.10	Blanket Outlet	
1.11	Junction Box	
1.12	Outlet Controlled by Low-Voltage Switching when Relay is Installed in Outlet Box	

2. RECEPTACLE OUTLETS

	Grounded	Ungrounded
2.1	Single Receptacle Outlet	
2.2	Duplex Receptacle Outlet	
2.3	Triplex Receptacle Outlet	
2.4	Quadruplex Receptacle Outlet	
2.5	Duplex Receptacle Outlet — Split Wired	
2.6	Triplex Receptacle Outlet — Split Wired	
2.7	Single Special-Purpose Receptacle Outlet	
2.8	Duplex Special-Purpose Receptacle Outlet	
2.9	Range Outlet (typical)	
2.10	Special Purpose Connection or Provision for Connection	
2.11	Multi-outlet assembly	
2.12	Clock Hanger Receptacle	
2.13	Fan Hanger Receptacle	
2.14	Floor Single Receptacle Outlet	
2.15	Floor Duplex Receptacle Outlet	
2.16	Floor Special-Purpose Outlet	

3. SWITCH OUTLETS

3.1	Single-Pole Switch **S**
3.2	Double-Pole Switch **S2**
3.3	Three-Way Switch **S3**
3.4	Four-Way Switch **S4**
3.5	Key-Operated Switch **SK**
3.6	Switch and Pilot Lamp **SP**
3.7	Switch for Low-Voltage switching System **SL**
3.8	Maser Switch for Low-Voltage Switching System **SLM**
3.9	Switch and Single Receptacle
3.10	Switch and Double Receptacle
3.11	Door Switch **SD**
3.12	Time Switch **ST**
3.13	Circuit Breaker Switch **SCB**
3.14	Momentary Contact Switch or Pushbutton for Other Than Signaling System **SMC**
3.15	Ceiling Pull Switch

4. RESIDENTIAL OCCUPANCIES

4.1	Pushbutton
4.2	Buzzer
4.3	Bell
4.4	Combination Bell-Buzzer
4.5	Chime
4.6	Annunciator

NEMA Straight Blade Configurations

NEMA CONFIGURATIONS FOR GENERAL-PURPOSE NONLOCKING PLUGS AND RECEPTACLES

WIRING / VOLTAGE			15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG
2-POLE 2-WIRE	125V	1	1-15R	1-15P								
	250V	2		2-15P	2-20R	2-20P	2-30R	2-30P				
	277V AC	3				RESERVED FOR FUTURE CONFIGURATIONS						
	600V	4				RESERVED FOR FUTURE CONFIGURATIONS						
2-POLE 3-WIRE GROUNDING	125V	5	5-15R	5-15P	5-20R	5-20P	5-30R	5-30P	5-50R	5-50P		
	250V	6	6-15R	6-15P	6-20R	6-20P	6-30R	6-30P	6-50R	6-50P		
	277V AC	7	7-15R	7-15P	7-20R	7-20P	7-30R	7-30P	7-50R	7-50P		
	347V AC	24	24-15R	24-15P	24-20R	24-20P	24-30R	24-30P	24-50R	25-50P		
	480V AC	8				RESERVED FOR FUTURE CONFIGURATIONS						
	600V	9				RESERVED FOR FUTURE CONFIGURATIONS						
3-POLE 3-WIRE	125/250V	10			10-20R	10-20P	10-30R	10-30P	10-50R	10-50P		
	3Ø 250V	11	11-15R	11-15P	11-20R	11-20P	11-30R	11-30P	11-50R	11-50P		
	3Ø 480V	12				RESERVED FOR FUTURE CONFIGURATIONS						
	3Ø 600V	13				RESERVED FOR FUTURE CONFIGURATIONS						
3-POLE 4-WIRE GROUNDING	125/250V	14	14-15R	14-15P	14-20R	14-20P	14-30R	14-30P	14-50R	14-50P	14-60R	14-60P
	3Ø 250V	15	15-15R	15-15P	15-20R	15-20P	15-30R	15-30P	15-50R	15-50P	15-60R	15-60P
	3Ø 480V	16				RESERVED FOR FUTURE CONFIGURATIONS						
	3Ø 600V	17				RESERVED FOR FUTURE CONFIGURATIONS						
4-POLE 4-WIRE	3ØY 120/208V	18	18-15R	18-15P	18-20R	18-20P	18-30R	18-30P	18-50R	18-50P	18-60R	18-60P
	3ØY 277/480V	19				RESERVED FOR FUTURE CONFIGURATIONS						
	3ØY 347/600V	20				RESERVED FOR FUTURE CONFIGURATIONS						
4-POLE 5-WIRE GROUNDING	3ØY 120/208V	21				RESERVED FOR FUTURE CONFIGURATIONS						
	3ØY 277/480V	22				RESERVED FOR FUTURE CONFIGURATIONS						
	3ØY 347/600V	23				RESERVED FOR FUTURE CONFIGURATIONS						

NEMA Locking Configurations

NEMA CONFIGURATIONS FOR LOCKING TYPE PLUGS AND RECEPTACLES

WIRING / VOLTAGE			15 AMPERE		20 AMPERE		30 AMPERE	
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG
2-POLE 2-WIRE	125V	L1	L1-15R	L1-15P				
	250V	L2			L2-20R	L2-20P		
	277V AC	L3			RESERVED FOR FUTURE CONFIGURATIONS			
	600V	L4			RESERVED FOR FUTURE CONFIGURATIONS			
2-POLE 3-WIRE GROUNDING	125V	L5	L5-15R	L5-15P	L5-20R	L5-20P	L5-30R	L5-30P
	250V	L6	L6-15R	L6-15P	L6-20R	L6-20P	L6-30R	L6-30P
	277V AC	L7	L7-15R	L7-15P	L7-20R	L7-20P	L7-30R	L7-30P
	347V AC	L24			L24-20R	L24-20P		
	480V AC	L8			L8-20R	L8-20P	L8-30R	L8-30P
	600V AC	L9			L9-20R	L9-20P	L9-30R	L9-30P
3-POLE 3-WIRE	125/250V	L10			L10-20R	L10-20P	L10-30R	L10-30P
	3Ø 250V	L11	L11-15R	L11-15P	L11-20R	L11-20P	L11-30R	L11-30P
	3Ø 480V	L12			L12-20R	L12-20P	L12-30R	L12-30P
	3Ø 600V	L13					L13-30R	L13-30P
3-POLE 4-WIRE GROUNDING	125/250V	L14			L14-20R	L14-20P	L14-30R	L14-30P
	3Ø 250V	L15			L15-20R	L15-20P	L15-30R	L15-30P
	3Ø 480V	L16			L16-20R	L16-20P	L16-30R	L16-30P
	3Ø 600V	L17					L17-30R	L17-30P
4-POLE 4-WIRE	3ØY 120/208V	L18			L18-20R	L18-20P	L18-30R	L18-30P
	3ØY 277/480V	L19			L19-20R	L19-20P	L19-30R	L19-30P
	3ØY 347/600V	L20			L20-20R	L20-20P	L20-30R	L20-30P
4-POLE 5-WIRE GROUNDING	3ØY 120/208V	L21			L21-20R	L21-20P	L21-30R	L21-30P
	3ØY 277/480V	L22			L22-20R	L22-20P	L22-30R	L22-30P
	3ØY 347/600V	L23			L23-20R	L23-20P	L23-30R	L23-30P

Horsepower Ratings for NEMA Configurations — for Plugs and Receptacles Only

STRAIGHT BLADE CONFIGURATIONS

NEMA	AC HP Rating	Rating
1-15	0.5	15A-125V
2-15	1.5*	15A-250V
2-20	2*	20A-250V
2-30	2*	30A-250V
5-15	0.5	15A-125V
5-20	1	20A-125V
5-30	2	30A-125V
5-50	2	50A-125V
6-15	1.5*	15A-250V
6-20	2*	20A-250V
6-30	2*	30A-250V
6-50	3*	50A-250V
7-15	2	15A-277V AC Only
7-20	2	20A-277V AC Only
7-30	3	30A-277 V AC Only
7-50	5	50A-277V AC Only
10-20	2 L-L*/1 L-N	20A-125/250V
10-30	2 L-L*/2 L-N	30A-125/250V
10-50	3 L-L*/2 L-N	50A-125/250V
11-15	2	15A-250V 3Ø
11-20	3	20A-250V 3Ø
11-30	3	30A-250V 3Ø
11-50	7.5	50A-250V 3Ø
14-15	1.5 L-L*/0.5 L-N	15A-125/250V
14-20	2 L-L*/1 L-N	20A-125/250V
14-30	2 L-L*/2 L-N	30A-125/250V
14-50	3 L-L*/2 L-N	50A-125/250V
14-60	3 L-L*/2 L-N	60A-125/250V
15-15	2	15A-250V 3Ø
15-20	3	20A-250V 3Ø
15-30	3	30A-250V 3Ø
15-50	7.5	50A-250V 3Ø
15-60	10	60A-250V 3Ø
18-15	2	15A-120/208V 3ØY
18-20	2	20A-120/208V 3ØY
18-30	3	30A-120/208V 3ØY
18-50	7.5	50A-120/208V 3ØY
18-60	7.5	60A-120/208V 3ØY

L-L Denotes phase-to-phase HP rating
L-N Denotes phase-to-neutral HP rating
*Suitable for 208V motor applications at HP rating

LOCKING CONFIGURATIONS

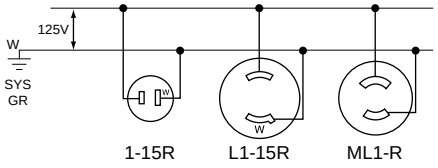
NEMA	AC HP Rating	Rating
L1-15	0.5	15A-125V
L2-20	2*	20A-250V
L5-15	0.5	15A-125V
L5-20	1	20A-125V
L5-30	2	30A-125V
L6-15	1.5*	15A-250V
L6-20	2*	20A-250V
L6-30	2*	30A-250V
L7-15	2	15A-277V AC Only
L7-20	2	20A-277V AC Only
L7-30	3	30A-277V AC Only
L8-20	3	20A-480V AC Only
L8-30	5	30A-480V AC Only
L9-20	NA	20A-600V AC Only
L9-30	NA	30A-600V AC Only
L10-20	2 L-L*/1 L-N	20A-125/250V
L10-30	2 L-L*/2 L-N	30A-125/250V
L11-15	2	15A-250V 3Ø
L11-20	3	20A-250V 3Ø
L11-30	3	30A-250V 3Ø
L12-20	5	20A-480V 3Ø
L12-30	10	30A-480V 3Ø
L13-30	NA	30A-600V 3Ø
L14-20	2 L-L*/1 L-N	20A-125/250V
L14-30	2 L-L*/2 L-N	30A-125/250V
L15-20	3	20A-250V 3Ø
L15-30	3	30A-250V 3Ø
L16-20	5	20A-480V 3Ø
L16-30	10	30A-480V 3Ø
L17-30	NA	30A-600V 3Ø
L18-20	2	20A-120/208V 3ØY
L18-30	3	30A-120/208V 3ØY
L19-20	5	20A-277/480V 3ØY
L19-30	10	30A-277/480V 3ØY
L20-20	NA	20A-347/600V 3ØY
L20-30	NA	30A-347/600V 3ØY
L21-20	2	20A-120/208V 3ØY
L21-30	3	30A-120/208V 3ØY
L22-20	5	20A-277/480V 3ØY
L22-30	10	30A-277/480V 3ØY
L23-20	NA	20A-347/600V 3ØY

L-L Denotes phase-to-phase HP rating
L-N Denotes phase-to-neutral HP rating
*Suitable for 208V motor applications at HP rating

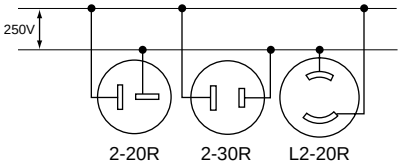
Circuit Wiring Diagrams

WIRING DIAGRAMS FOR NEMA CONFIGURATIONS

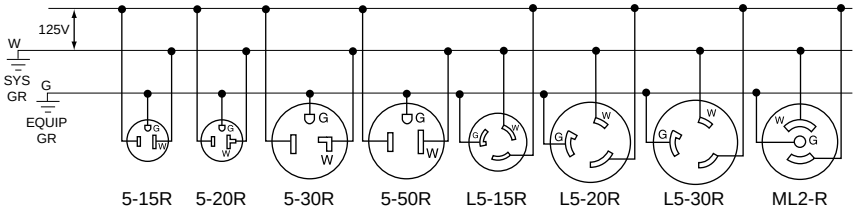
125V — 2-POLE, 2-WIRE



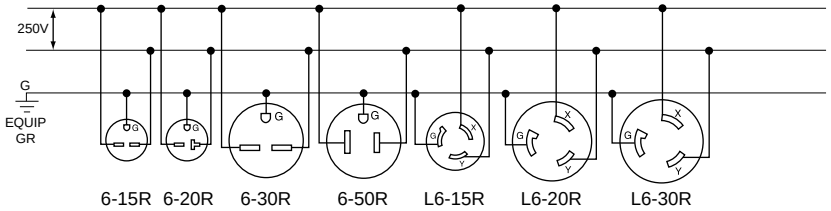
250V — 2-POLE, 2-WIRE



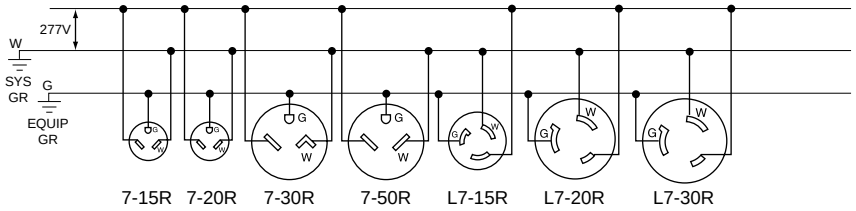
125V — 2-POLE, 3-WIRE GROUNDING



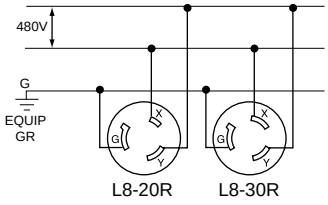
250V — 2-POLE, 3-WIRE GROUNDING



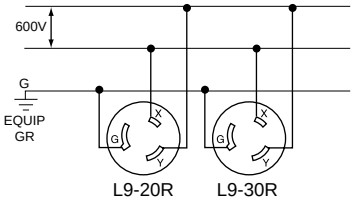
277V AC — 2-POLE, 3-WIRE GROUNDING



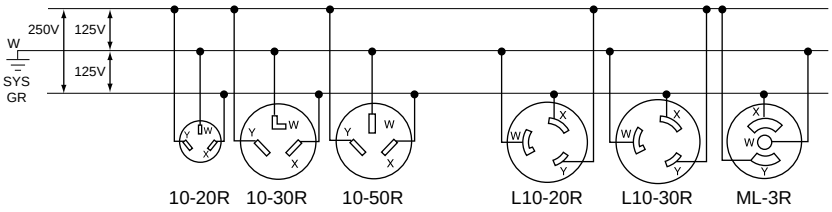
480V AC — 2-POLE, 3-WIRE GROUNDING



600V AC — 2-POLE, 3-WIRE GROUNDING



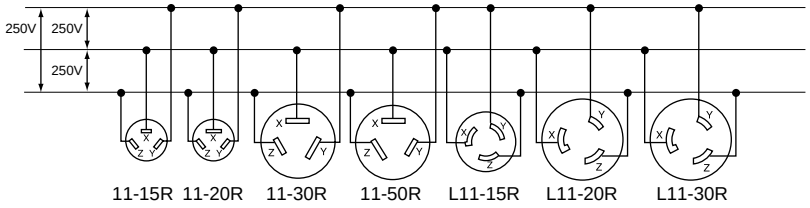
125/250V — 3-POLE, 3-WIRE



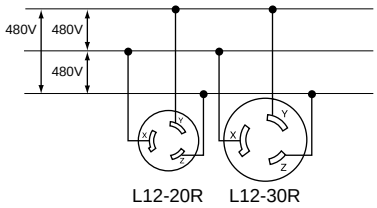
Circuit Wiring Diagrams

WIRING DIAGRAMS FOR NEMA CONFIGURATIONS

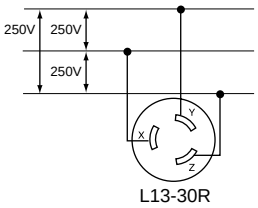
3Ø 250V — 3-POLE, 3-WIRE



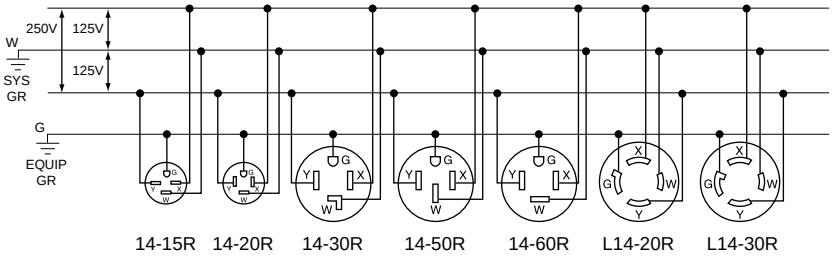
3Ø 480V — 3-POLE, 3-WIRE



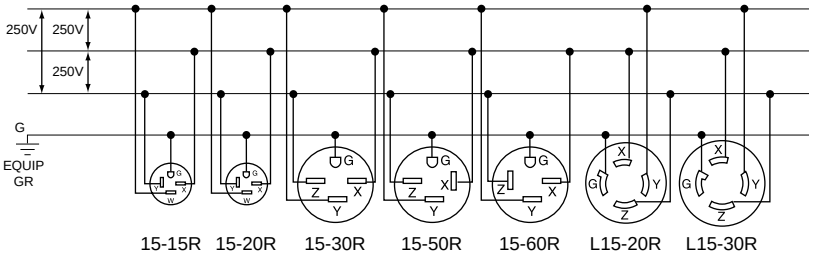
3Ø 600V — 3-POLE, 3-WIRE



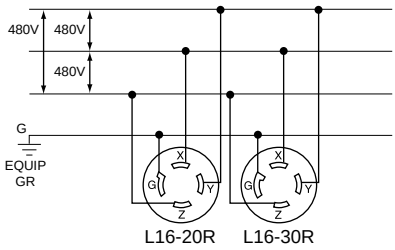
125/250V — 3-POLE, 4-WIRE GROUNDING



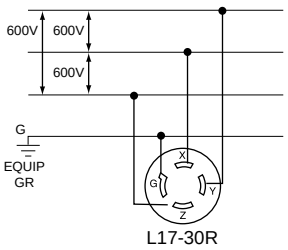
3Ø 250V — 3-POLE, 4-WIRE GROUNDING



3Ø 480V — 3-POLE, 4-WIRE GROUNDING



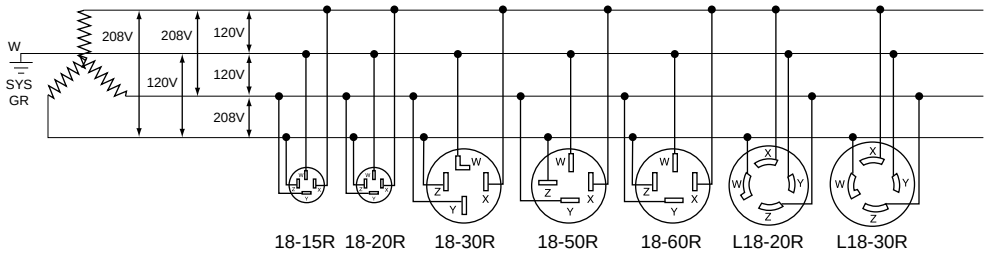
3Ø 600V — 3-POLE, 4-WIRE GROUNDING



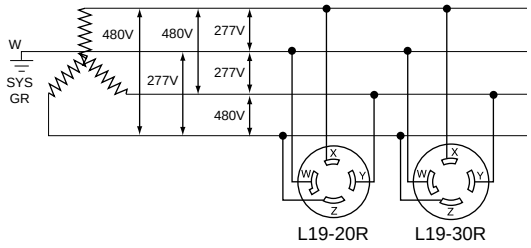
Circuit Wiring Diagrams

WIRING DIAGRAMS FOR NEMA CONFIGURATIONS

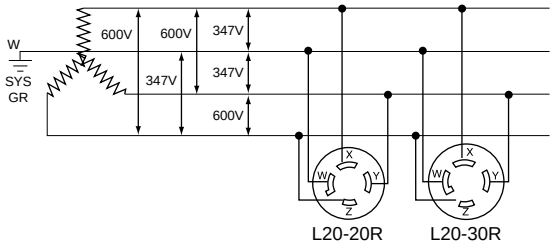
3ØY 120/208V — 4-POLE, 4-WIRE



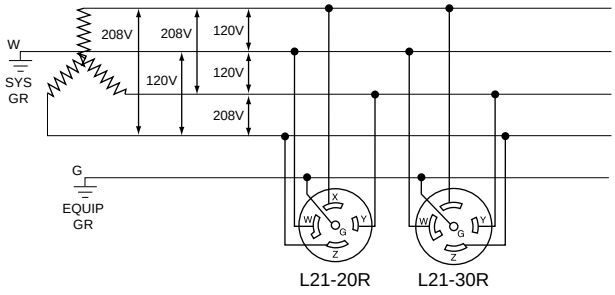
3ØY 277/480V — 4-POLE, 4-WIRE



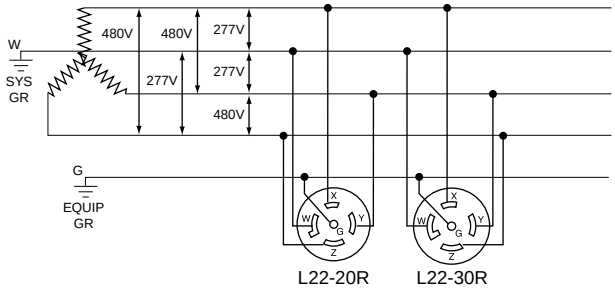
3ØY 347/600V — 4-POLE, 4-WIRE



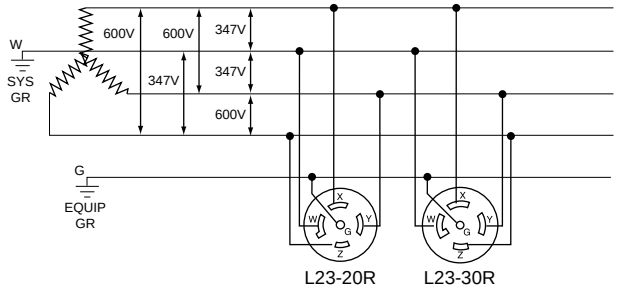
3ØY 120/208V — 4-POLE, 5-WIRE GROUNDING



3ØY 277/480V — 4-POLE, 5-WIRE GROUNDING

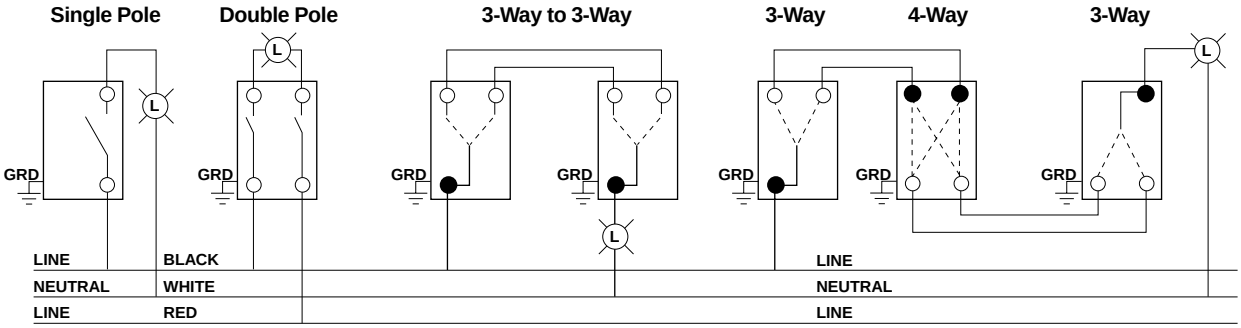


3ØY 347/600V — 4-POLE, 5-WIRE GROUNDING

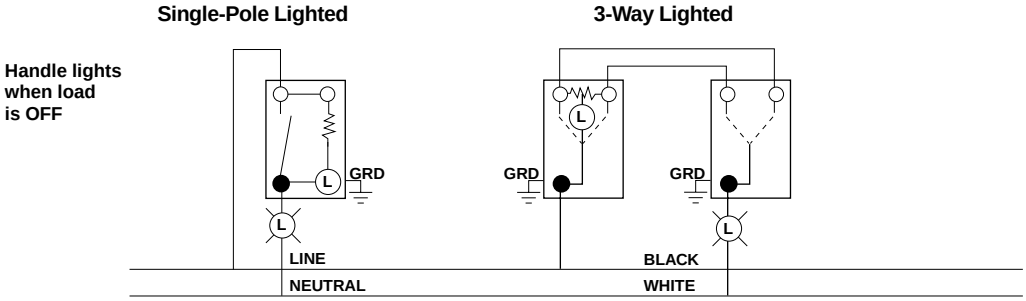


Switch Wiring Diagrams

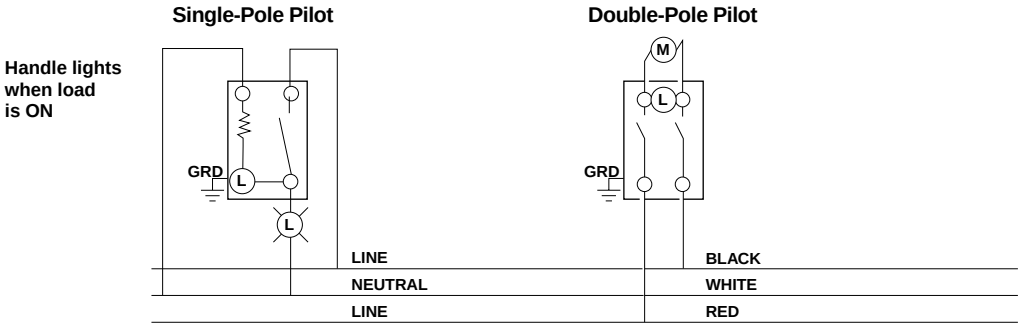
STANDARD TOGGLE TYPE SWITCHES



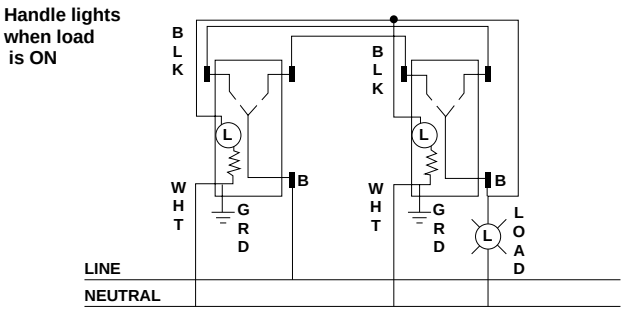
LIGHTED HANDLE SWITCHES



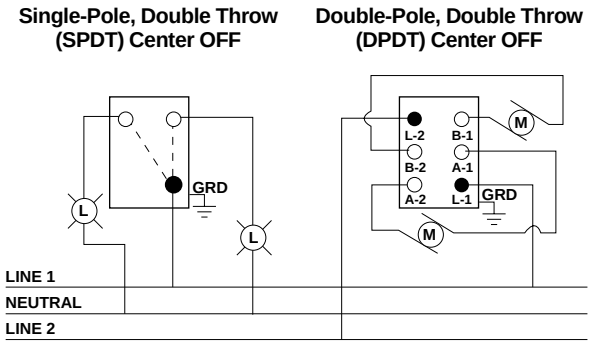
PILOT LIGHT SWITCHES



3-WAY PILOT SWITCHES



3-POSTION SWITCHES MOMENTARY AND MAINTAINED



Diameter Ranges of Jacketed Cord in Accordance with Standard UL62

Acceptable range for overall diameter of jacketed cord indicated in inches and millimeters (in parentheses)

TYPE OF CORD	AWG SIZE	2-CONDUCTOR	3-CONDUCTOR	4-CONDUCTOR	5-CONDUCTOR
SV, SVO, SVT, SVTO	18	.22-.26. (5.6-6.6)	.23-.27 (5.8-6.9)	———	———
SJ, SJO, SJT, SJTO	18	.28-.32 (7.1-8.1)	.30-.34 (7.6-8.6)	.33-.37 (8.4-9.4)	———
	16	.31-.34 (7.9-8.6)	.33-.36 (8.4-9.1)	35-.40 (8.9-10.2)	———
	14	.34-.38 (8.6-9.7)	.36-.40 (9.1-10.2)	.39-.44 (9.9-11.2)	———
	12	.41-.46 (10.4-11.7)	.43-.48 (10.9-12.2)	.47-.52 (11.9-13.2)	———
	10	.54-.61 (13.7-15.5)	.57-.64 (14.5-16.3)	.63-.70 (16.0-17.8)	———
S, SO, ST, STO	18	.34-.39 (8.6-9.9)	.36-.40 (9.1-10.2)	.39-.43 (9.9-10.9)	.46-.51 (11.7-13.0)
	16	.37-.41) (9.4-10.4)	.39-.43 (9.9-10.9)	.41-.46 (10.4-11.7)	.49-.55 (12.4-14.0)
	14	.50-.55 (12.7-14.0)	.52-.58 (13.2-14.7)	.56-.62 (14.2-15.7)	.63-.71 (16.0-18.0)
	12	.57-.63 (14.5-16.0)	.59-.66 (15.0-16.8)	.64-.71 (16.3-18.0)	.70-.77 (17.8-19.6)
	10	.62-.69 (15.7-17.5)	.65-.72 (16.5-18.3)	.70-.78 (17.8-19.8)	.76-.84 (19.3-21.3)
	8	.78-.88 (19.8-22.4)	.83-.93 (21.1-23.6)	.93-1.05 (23.6-26.7)	1.00-1.15 (25.4-29.2)
	6	.92-1.05 (23.4-26.7)	.97-1.10 (24.6-27.9)	1.05-1.20 (26.7-30.5)	1.18-1.33 (30.0-33.8)
	4	1.06-1.21 (26.9-30.7)	1.13-1.28 (28.7-32.5)	1.25-1.45 (31.8-36.8)	———
	2	1.21-1.40 (30.7-35.6)	1.30-1.50 (33.0-38.1)	1.45-1.65 (36.8-41.9)	———

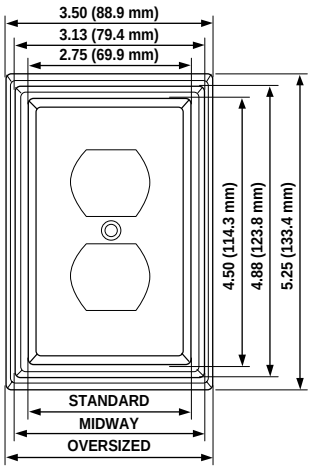
Wallplates

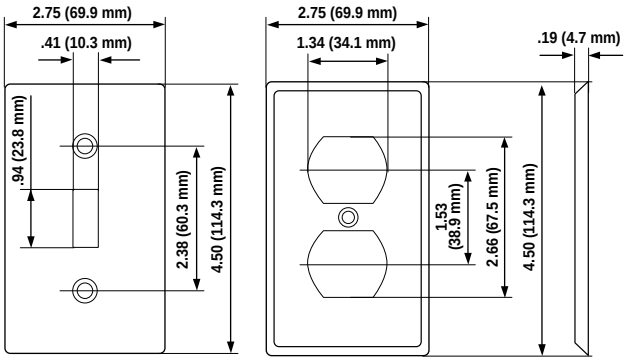
WALLPLATE DIMENSIONS

Gangs	Standard 4.50 H x D* (114.3 mm H x D*)	Midway 4.88 H x .260 D (123.8 mm H x 6.5 mm D)	Oversizes 5.25 H x .260 D (133.4 mm H x 6.5 mm D)
1	2.75 (69.9 mm)W	3.13 (79.4 mm)W	3.50 (88.9 mm)W
2	4.56 (115.9 mm)W	4.94 (125.4 mm)W	5.31 (134.9 mm)W
3	6.38 (161.9 mm)W	6.75 (171.5 mm)W	———
4	8.19 (208.0 mm)W	EXTRA DEEP WALLPLATES are the same height and width as STANDARD size wallplates, but they are .26 (6.5 mm) deep. Available in 1-Gang and 2-Gang sizes.	
5	10 (254.0 mm)W		
6	11.81 (300.0 mm)W		

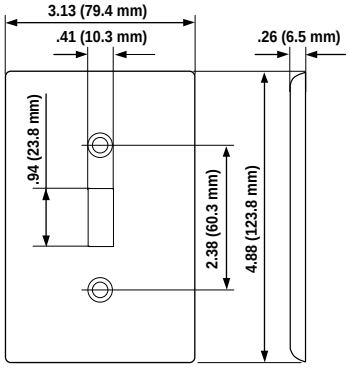
***DEPTHS OF STANDARD WALLPLATES:** Plastic — .22 (5.6 mm)
Metal — .19 (4.7 mm)

WALLPLATE SIZE COMPARISON

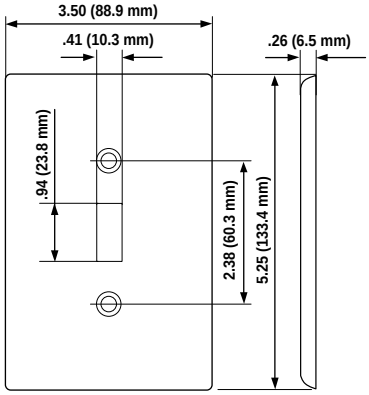




STANDARD SIZE WALLPLATE
No. 81001 Series and No. 81003 Series

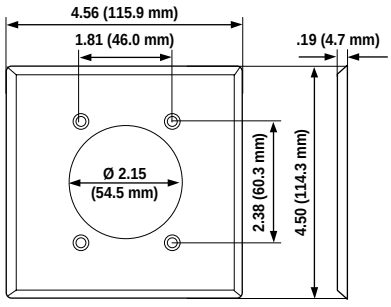


MIDWAY SIZE WALLPLATE
No. 80501 Series

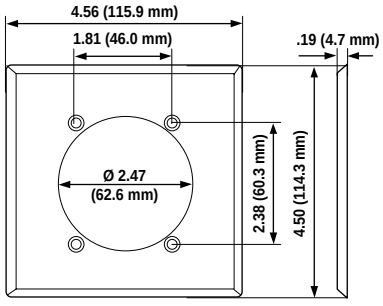


OVERSIZED WALLPLATE
No. 85101 Series

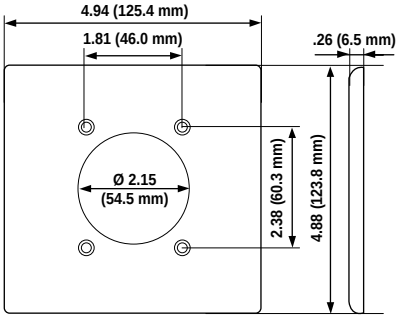
POWER RECEPTACLE WALLPLATES



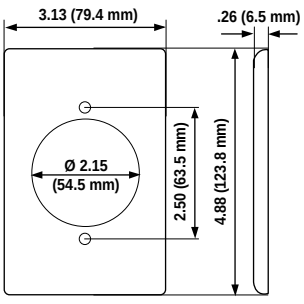
No. 4934 Series



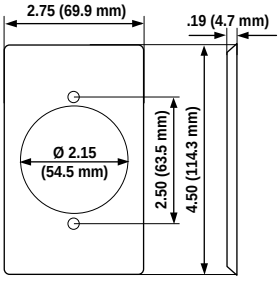
No. S701



No. 80526 Series



No. 80528 Series



No. 4927 Series

Telephone Wiring Devices Codes and Standards

Industry Standards

At Leviton, our concern since deregulation has been the proliferation of poor quality devices and equipment being attached to the network. These devices meet few of the customary standards for mechanical integrity and combustibility and have caused a number of problems for those who have installed them.

The responsibility for ensuring that no sub-standard devices are connected to the network rests on everyone's shoulders. In fact, the FCC recently issued a Public Notice strongly reminding manufacturers, carriers and customers that the manufacture and installation of substandard devices and equipment will not be tolerated — and that a substantial fine is the penalty for noncompliance. Recently, organizations such as the Federal Communications Commission (FCC), Underwriter's Laboratories (UL), the Canadian Standards Association (CSA), and the Telecommunications Industry Association (TIA) have been developing standards for premise wiring systems, Additionally, Article 800 of the National Electrical Code (NEC), published by the National Fire Protection Association (NFPA), mandated "listing" of equipment connected to telecommunications networks. Leviton has always played a role in the standards-making process and will continue to do so. We wholeheartedly support this new standards environment.

Industry Basics: Drawing the Line

The dividing line between public network and customer premises is called the demarcation point. Equipment, including wiring, on the network side of the demarcation point is the property and responsibility of the local telephone company (telco). Equipment and wiring on the customer side is the responsibility of the customer, who may procure equipment, materials, and service from the provider of their choice. A subscriber network interface (SNI) often called a "demarcation jack", is recommended to be installed at the demarcation point. A standard registered jack is often used at this point so that the network and the premise wiring system can be quickly separated from each other. The location of the SNI depends on local rules and on such factors as the number of units in the facility, access, and the type and age of connecting hardware. The SNI may be inside the building or outside.

FCC Part 68 Requirements

The equipment standards outlined in FCC Part 68 were developed long before divestiture to assure consumers, manufacturers and carriers that terminal equipment and wiring could be connected without degrading the network. Part 68 describes minimum requirements for the mechanical or physical properties of wiring devices such as the amount of gold on jack contacts, electrical performance, dimensional integrity, material properties, and spring characteristics of contacts. Only equipment meeting FCC Part 68 standards may be manufactured and connected to the network. The vast changes that have occurred in the industry because of evolving deregulation have made it necessary to modify Part 68. To this end, FCC Wiring Docket 88-57 was issued in 1990. There have been numerous attempts to change this docket; however, as of this writing, the following guidelines are true:

- Since 1984, Part 68 specified that all connections to the network be made through the standard plugs and standard telephone company-provided jacks described in Subpart F or Part 68. Now, Docket 88-57 permits customers to connect to the carrier's jack or wiring.
- The demarcation point has been redefined to be not more than 12 inches from the protector, or when no protector is present, 12 inches from the point of entry to the premises. In the past, the demarcation point could extend into the customer premise hundreds of feet, if necessary, depending on the wiring application. The new 12-inch ruling limits the carrier's access to the customer premise.
- The carriers are not responsible for customer wiring unless they have an agreement for such responsibility. Because the customer can now install a jack at the network interface, the customer is responsible for any wiring errors and malfunctions that occur.
- The "extraordinary procedures," acceptance testing, and carrier notification for wiring clause has been eliminated. The carrier is no longer required to take steps to protect the network from harm when there is a violation of Part 68 a failure during testing of newly installed wiring, or when harm has actually occurred. Once again, because the carriers now have less access to the customer premise, they will also have less responsibility in maintaining the network.
- Customer-provided, as well as carrier-provided plugs and jacks must meet Subpart F of Part 68 when newly installed on or after January 1, 1991. Prior to this ruling, Part 68 could be interpreted to require that only the jack at the network interface conform to Part 68.

Beware of the Number Game

FCC Part 68, Subpart F, specifies that contacts in the telephone jacks must have 50 micro-inches of gold over 100 micro-inches of nickel. Some manufacturers claim .5 microns of gold plating on their jack contacts.
At 39.37 micro-inches per micron, that's only 19.7 micro-inches — less than half of what is required to meet FCC Part 68 specifications. If jack contacts have not been plated with the right thickness or quality of gold, corrosion at these critical points can cause signal degradation, equipment failure, and even damage to the public telephone network. Data networks are more at risk because even slight imperfections result in transmission error or data loss.

Reduce Risks — Specify Leviton

There are no two ways about it. The risk to your operation and equipment is so great that it only makes sense to insist on top-quality station products. When you specify Leviton jacks, you're assured maximum contact life with minimum resistance. We start with durable phosphor-bronze contacts and plate them with a full 50 micro-inches of lubricated hard gold over 100 micro-inches of nickel (or the electrical performance equivalent as specified in FCC Part 68 requirements). Jack openings are built within precise tolerances. High-quality thermoplastic rated UL 94V-0 resists distortion from changes in temperature and humidity, physical stress, and aging. Spring contacts are engineered to maintain positive contact pressure over the life of the device.

Telecommunications Industry Association Standards

If FCC regulations protect the telephone network from harm and UL requirements protect the consumer from harm, who is responsible for providing performance standards for the telecommunications industry? Recently, the FCC asked the Telecommunications Industry Association (TIA), a sister organization of the Electronic Industries Association (EIA), to take on this task, and they accepted the challenge. The TIA was asked to define minimum standards for such things as how to wire a building, what kind of wire to use, and so on. The following standards went into effect in 1991.

- **Pathway Standard (EIA/TIA 569-A):** This standard for installing pipe and conduit in commercial buildings is now available through TIA and the American National Standards Institute (ANSI).
- **Residential/Light Commercial Wiring (EIA/TIA 570):** A draft of this standard, which applies to premises with up to four telephone lines, has been reviewed by ANSI and TIA committees and released.
- **Commercial Wiring Standard (EIA/TIA 568-A):** The Commercial Wiring Standard applies to premises with more than four telephone lines. This draft has also been reviewed and released by ANSI and TIA committees. At time of printing, the standards are undergoing major revisions and are currently up for ballot.

We're the "Standards" People

Because Leviton is an active participant in the formation of North American codes and standards, you can be assured that our product development activities fully support this emerging standards environment. In fact. we have prepared several publications which describe standard practices and provide installation guidelines for contractors. Many Leviton distributors also sponsor training programs dealing with telecom wiring. And, of course, Leviton's Applications Engineering Group is always ready to assist you with any questions you may have about standards and codes, standard practices, or any installation problem.

Wire Color Codes and Jack Pin Designations

Electrical Network Connection

From 1 to 25 single or multiple-pair circuits bridged to the network or other connected equipment.

Mechanical Arrangement

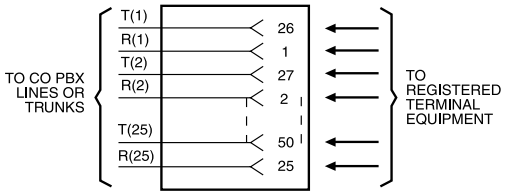
Circuits are provided on numbered tip and ring positions on a miniature 50-pin ribbon connector (Amphenol-type). Pins 1 (ring) and 26 (tip) are considered position 1. Pins 2 (ring) and 27 (tip) of the ribbon connector are position 2. This pairing continues through twenty-five pairs.

Typical Usage

Many key and PBX systems specify the RJ21X, or 'Amphenol-type' as the network interface device. Many of these systems also use the RJ21X as a connector for stations or telephone sets, wired from the KSU or PBX Main Distribution Frame.

Note: Sometimes an RJ11 or RJ14C can be installed in place of an RJ21X. While many smaller systems that require only a few lines may show the RJ21X as the 'official' jack required under registration, less complex jacks such as the RJ11 or RJ14C can often be specified (perhaps in multiples). If the system requires only a few lines but the RJ21X is specified on the registration label, under FCC Part 68 you may specify the RJ11C, RJ14C, RJ25C, or RJ61X instead.

Many Leviton jacks can be used for the RJ21X configuration where 'intermixing' is permitted. Substitution of these special jacks is often both economical and practical. Contact Leviton Telcom Applications Engineering for information about versions to meet your requirements.



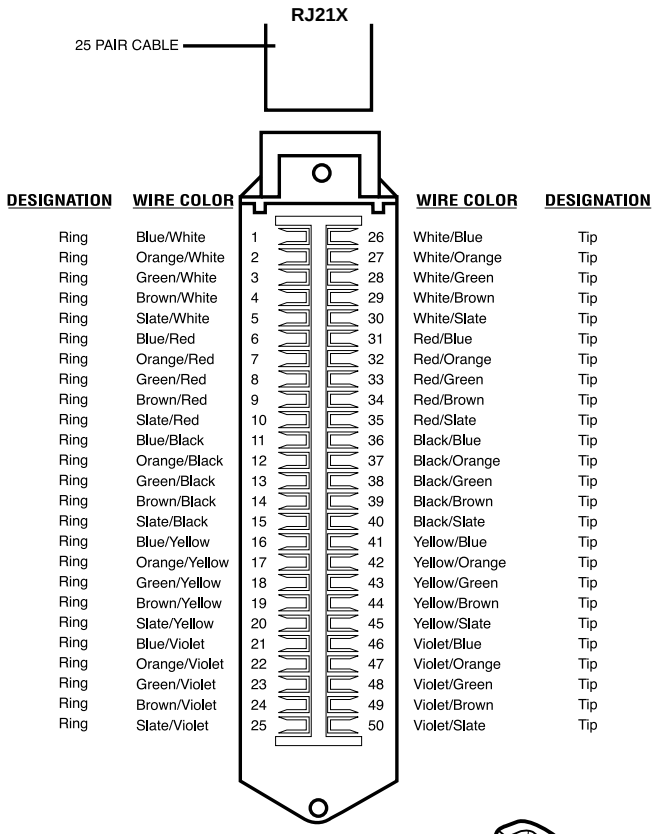
ISDN Assignment of Contact Numbers as specified by ISO Document 8877: 1987 (E)

Contact assignments for plugs and jacks:

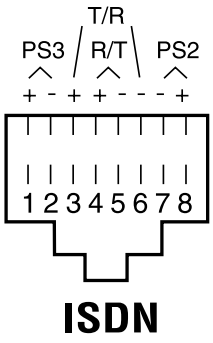
CONTACT NUMBER	TE	NT	POLARITY
1	Power source 3	Power sink 3	+
2	Power source 3	Power sink 3	-
3	Transmit	Receive	+
4	Receive	Transmit	+
5	Receive	Transmit	-
6	Transmit	Receive	-
7	Power sink 2	Power source 2	-
8	Power sink 2	Power source 2	+

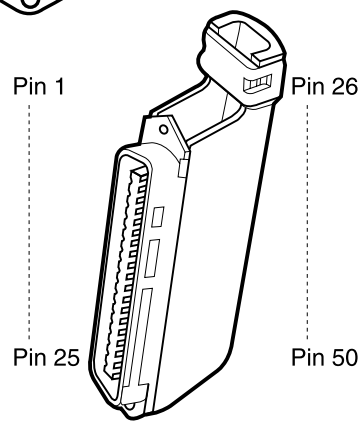
Note: For use in TE to TE interconnections, power source/sink 3 shall conform to the requirements specified in CCITT Recommendation 1.430, section 9.2 for power source/sink 2.

25-PAIR COLOR CODING/ISDN CONTACT ASSIGNMENTS



DESIGNATION	WIRE COLOR			WIRE COLOR	DESIGNATION
Ring	Blue/White	1	26	White/Blue	Tip
Ring	Orange/White	2	27	White/Orange	Tip
Ring	Green/White	3	28	White/Green	Tip
Ring	Brown/White	4	29	White/Brown	Tip
Ring	Slate/White	5	30	White/Slate	Tip
Ring	Blue/Red	6	31	Red/Blue	Tip
Ring	Orange/Red	7	32	Red/Orange	Tip
Ring	Green/Red	8	33	Red/Green	Tip
Ring	Brown/Red	9	34	Red/Brown	Tip
Ring	Slate/Red	10	35	Red/Slate	Tip
Ring	Blue/Black	11	36	Black/Blue	Tip
Ring	Orange/Black	12	37	Black/Orange	Tip
Ring	Green/Black	13	38	Black/Green	Tip
Ring	Brown/Black	14	39	Black/Brown	Tip
Ring	Slate/Black	15	40	Black/Slate	Tip
Ring	Blue/Yellow	16	41	Yellow/Blue	Tip
Ring	Orange/Yellow	17	42	Yellow/Orange	Tip
Ring	Green/Yellow	18	43	Yellow/Green	Tip
Ring	Brown/Yellow	19	44	Yellow/Brown	Tip
Ring	Slate/Yellow	20	45	Yellow/Slate	Tip
Ring	Blue/Violet	21	46	Violet/Blue	Tip
Ring	Orange/Violet	22	47	Violet/Orange	Tip
Ring	Green/Violet	23	48	Violet/Green	Tip
Ring	Brown/Violet	24	49	Violet/Brown	Tip
Ring	Slate/Violet	25	50	Violet/Slate	Tip



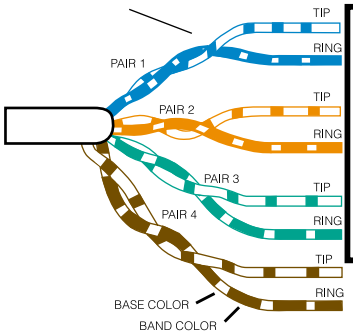


WIRE COLOR CODES

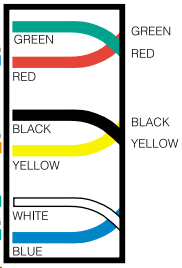
Standard 4-Pair Wiring Color Codes		
PAIR 1	T	White/Blue
	R	Blue/White
PAIR 2	T	White/Orange
	R	Orange/White
PAIR 3	T	White/Green
	R	Green/White
PAIR 4	T	White/Brown
	R	Brown/White

Note: For 6-wire jacks use pair 1, 2 and 3 color codes. For 4-wire jacks use pair 1 and 2 color codes.

A. Band-Striped Twisted-Pair Wire

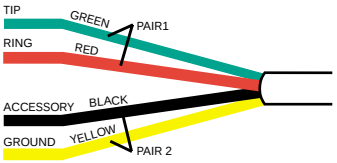


B. Solid-Color Twisted-Pair Wire



C.Quad Wire*

(Solid-Color, Non-Twisted Wire)



***CAUTION**

Quad wire is no longer acceptable for installation in multi-line environments. If encountered during a retrofit, quad wire should be replaced with 100Ω UTP. Connecting new quad to installed quad will only amplify existing problems and limitations associated with quad wire; leaving existing quad in place and connecting 100Ω UTP to it may also be ineffective, as the quad wire may negate the desired effect of the UTP.

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C-572/K0-140M rs

NO. **6C** **EFFECTIVE JANUARY 15, 2001**

Distributor Net Cost and Index

NAED VENDOR 78477, Supercedes
Price Schedule No. 5C of April 1, 1998
See back cover for terms and conditions of sale
and for symbols and abbreviations used in this price list.

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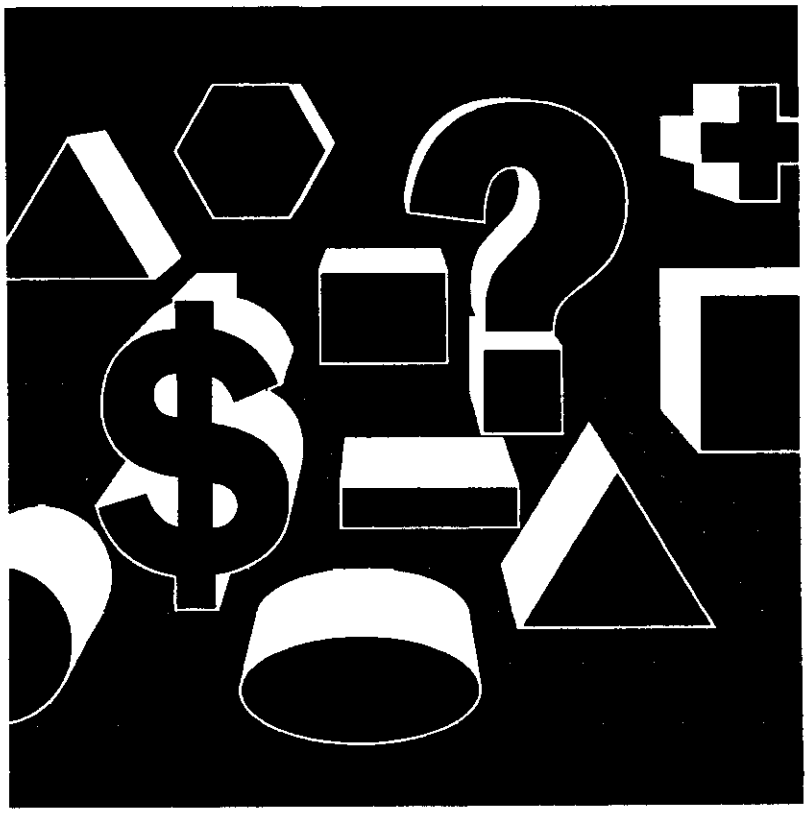
With reference to D-501 Catalog



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DISTRIBUTOR NET COST AND INDEX 6C

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Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
AP30C	4.80 EA	84415	C	55	HH17	1	1	----	9.60 EA
AP30H	4.80 EA	84417	C	55	HH17	1	2	----	9.60 EA
AP60C	4.80 EA	84418	C	55	HH17	1	1	----	9.60 EA
AP60H	4.80 EA	84419	C	55	HH17	1	1	----	9.60 EA
AP100C	4.80 EA	84420	C	55	HH17	1	1	----	9.60 EA
AP100H	4.80 EA	84421	C	55	HH17	1	1	----	9.60 EA
AP320C	4.80 EA	84423	C	55	HH17	1	1	----	9.60 EA
AP320H	4.80 EA	84416	C	55	HH17	1	1	----	9.60 EA
AP420H	4.80 EA	84424	C	55	HH17	1	1	----	9.60 EA
ARCHI-DIS	125.00 EA	02066	C	22	----	1	17	----	250.00 EA
A0001	0.10 EA	00069	E	59	----	10	1	1	0.13 EA
A0002	0.30 EA	00070	E	59	----	10	2	1	0.39 EA
A0003	0.20 EA	00076	E	59	----	10	1	1	0.26 EA
A0004	0.30 EA	00073	E	59	----	10	1	1	0.39 EA
A0005	1.20 EA	00078	E	59	----	10	1	1	1.56 EA
A0006	0.20 EA	00072	E	59	----	10	1	1	0.26 EA
A0007	0.10 EA	00075	E	59	----	10	1	1	0.13 EA
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BB60C	32.80 EA	84426	A	55	HH17	1	3	Bulk	46.64 EA
BB60P	26.40 EA	84760	A	55	----	1	1	----	37.54 EA
BB100C	66.60 EA	84427	A	55	HH17	1	6	Bulk	94.71 EA
BB320C	23.40 EA	84429	A	55	----	1	2	----	33.27 EA
BB320P	24.00 EA	84755	A	55	----	1	1	----	34.13 EA
BB420C	23.40 EA	84430	A	55	HH17	1	2	Bulk	33.27 EA
BB520P	24.00 EA	84757	A	55	----	1	1	----	34.13 EA
BB530P	26.40 EA	84759	A	55	----	1	2	----	37.54 EA
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BR15-GY	216.30	96527	A	40	D7	100	20	10	307.50
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BR15-SA	216.30	05591	A	40	----	100	20	10	307.50
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BR20-SA	283.30	05598	A	40	----	100	20	10	402.80
BR20-SE	283.30	05596	A	40	----	100	20	10	402.80
BR20-SGY	283.30	05597	A	40	----	100	20	10	402.80
BR20-SI	283.30	05593	A	40	----	100	20	10	402.80
BR20-SW	283.30	05594	A	40	----	100	20	10	402.80
BR20-W	283.30	81981	A	40	D7	100	20	10	402.80
B0002	0.40 EA	00071	E	59	----	1	1	----	0.52 EA
B0003	0.30 EA	00077	E	59	----	1	1	Bulk	0.39 EA
CLAMP-1BU	77.30	94205	C	55	----	50	1	Bulk	154.60
CLAMP-1E	77.30	99701	C	55	----	50	1	Bulk	154.60
CLAMP-1GN	77.30	98699	C	55	----	50	8	Bulk	154.60
CLAMP-1R	77.30	94206	C	55	----	50	1	Bulk	154.60
CLAMP-1Y	77.30	98700	C	55	----	50	8	Bulk	154.60
CLAMP-2BU	77.30	98702	C	55	----	50	2	Bulk	154.60
CLAMP-2E	77.30	98704	C	55	----	50	18	Bulk	154.60
CLAMP-2GN	77.30	94208	C	55	----	50	18	Bulk	154.60
CLAMP-2R	77.30	94207	C	55	----	50	2	Bulk	154.60
CLAMP-2Y	77.30	98703	C	55	----	50	2	Bulk	154.60
CLAMP-3BU	77.30	98705	C	55	----	50	9	Bulk	154.60
CLAMP-3E	77.30	98707	C	55	----	50	2	Bulk	154.60
CLAMP-3GN	77.30	94209	C	55	----	50	9	Bulk	154.60
CLAMP-3R	77.30	94210	C	55	----	50	2	Bulk	154.60
CLAMP-3Y	77.30	98706	C	55	----	50	2	Bulk	154.60
CRUSH-SC	725.00 EA	02018	C	22	----	1	9	Bulk	1,450.00 EA
CR15	82.40	81470	A	41	D8	100	18	10	117.10
CR015	82.40	81521	A	41	D8	100	18	10	117.10
CR15-A	82.40	97679	A	41	----	100	18	10	117.10
CR15-C	82.40	81525	A	41	D8	100	18	10	117.10
CR15-CI	82.40	81526	A	41	D8	100	18	10	117.10
CR15-E	82.40	03740	B	41	----	100	18	10	137.20
CR15-GY	82.40	81519	A	41	D8	100	18	10	117.10
CR015-GY	82.40	81523	A	41	D8	100	18	10	117.10
CR15-I	82.40	81491	A	41	D8	100	18	10	117.10
CR015-I	82.40	81522	A	41	D8	100	18	10	117.10
CR15-W	82.40	81520	A	41	D8	100	18	10	117.10
CR015-W	82.40	81524	A	41	D8	100	18	10	117.10
CR15S-GI	412.00	01224	A	40	----	100	35	10	585.80
CR15S-GW	412.00	01225	A	40	----	100	35	10	585.80
CR20	102.00	81542	A	41	D9	100	18	10	145.00
CR020	102.00	81546	A	41	D6	100	20	10	145.00
CR20-A	102.00	97680	A	41	----	100	18	10	145.00
CR20-E	102.00	97752	B	41	----	100	18	10	169.90
CR20-GY	102.00	81544	A	41	D9	100	18	10	145.00
CR020-GY	102.00	81548	A	41	D6	100	18	10	145.00
CR20-I	102.00	81543	A	41	D9	100	18	10	145.00
CR020-I	102.00	81547	A	41	D6	100	18	10	145.00
CR20-W	102.00	81545	A	41	D9	100	18	10	145.00
CR020-W	102.00	81549	A	41	D6	100	18	10	145.00
* CSB1-15	242.10	81590	A	40	C3	50	8	10	344.20
* CSB1-15A	242.10	99902	A	40	----	50	8	10	344.20
* CSB1-15G	242.10	96528	A	40	----	50	8	10	344.20
* CSB1-15I	242.10	81589	A	40	C3	50	8	10	344.20
* CSB1-15W	242.10	83684	A	40	C3	50	8	10	344.20
* CSB1-20	314.20	81598	A	40	C5	50	8	10	446.70
* CSB1-20A	314.20	97967	A	40	----	50	8	10	446.70
* CSB1-20G	314.20	96529	A	40	----	50	8	10	446.70
* CSB1-20I	314.20	81597	A	40	C5	50	8	10	446.70
* CSB1-20W	314.20	83685	A	40	C5	50	8	10	446.70
* CSB2-15	721.00	81592	C	40	C3	10	2	1	1,442.00
* CSB2-15A	721.00	99903	A	40	----	10	2	1	1,025.20
* CSB2-15G	721.00	96530	C	40	----	10	2	1	1,442.00
* CSB2-15I	721.00	81591	C	40	C3	10	2	1	1,442.00
* CSB2-15W	721.00	83686	C	40	C3	10	2	1	1,442.00
* CSB2-20	793.10	81600	C	40	C5	10	2	1	1,586.20
* CSB2-20A	793.10	00011	C	40	----	10		1	1,586.20
* CSB2-20G	793.10	96531	A	40	----	10	2	1	1,127.70
* CSB2-20I	793.10	81599	C	40	C5	10	2	1	1,586.20
* CSB2-20W	793.10	83687	C	40	C5	10	2	1	1,586.20
* CSB3-15	324.50	81594	A	40	C3	10	2	1	461.40
* CSB3-15A	324.50	99972	A	40	----	10	2	1	461.40
* CSB3-15G	324.50	96532	A	40	----	10	2	1	461.40
* CSB3-15I	324.50	81593	A	40	C3	10	2	1	461.40
* CSB3-15W	324.50	83688	A	40	C3	10	2	1	461.40
* CSB3-20	391.40	81603	A	40	C5	10	2	1	556.50
* CSB3-20A	391.40	00058	A	40	----	10	2	1	556.50
* CSB3-20G	391.40	96533	A	40	----	10	2	1	556.50
* CSB3-20I	391.40	81602	A	40	C5	10	2	1	556.50
* CSB3-20W	391.40	83689	A	40	C5	10	2	1	556.50
* CSB4-15	1,345.70	81596	C	40	C3	10	2	1	2,691.40
* CSB4-15A	1,345.70	00010	C	40	----	10	2	1	2,691.40
* CSB4-15I	1,345.70	81595	C	40	C3	10	2	1	2,691.40
* CSB4-15W	1,345.70	83690	A	40	C3	10	2	1	1,913.50
* CSB4-20	1,453.50	81605	C	40	C5	10	2	1	2,907.00
* CSB4-20A	1,453.50	00059	C	40	----	10	2	1	2,907.00
* CSB4-20G	1,453.50	96535	C	40	----	10	2	1	2,907.00
* CSB4-20I	1,453.50	81604	C	40	C5	10	2	1	2,907.00
* CSB4-20W	1,453.50	83691	C	40	C5	10	2	1	2,907.00
* CS63-60C	5,339.60	80452	A	56	I13	10	8	1	7,592.90
* CS63-61C	4,511.30	80451	A	56	I13	10	8	1	6,415.00
* CS63-64C	6,227.60	80449	A	56	I13	10	9	1	8,855.60
* CS63-65C	4,785.40	80448	A	56	I13	10	9	1	6,804.80
* CS63-69	4,785.40	80447	A	56	I13	10	6	1	6,804.80
* CS63-70	4,392.20	80450	A	56	I13	10	6	1	6,245.70
* CS63-75	4,392.20	80386	C	56	I13	10	5	1	8,784.40
* CS63-77	4,195.40	80380	C	56	I13	10	5	1	8,390.80
* CS81-64C	6,227.60	80393	A	56	I13	10	8	1	8,855.60

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* CS81-65C	4,785.40	80392	A	56	I13	10	9	1	6,804.80
* CS81-69	4,850.90	80391	A	56	I13	10	6	1	6,897.90
* CS81-75	4,392.20	80394	C	56	I13	10	6	1	8,784.40
* CS82-64C	5,339.60	80455	A	56	I13	10	8	1	7,592.90
* CS82-65C	4,719.80	80454	A	56	I13	10	8	1	6,711.50
* CS82-69	6,126.20	80453	A	56	I13	10	6	1	8,711.40
* CS82-75	4,195.40	80381	C	56	I13	10	6	1	8,390.80
* CS83-64C	6,227.60	80389	A	56	I13	10	9	1	8,855.60
* CS83-65C	4,785.40	80388	A	56	I13	10	9	1	6,804.80
* CS83-69	4,850.90	80387	A	56	I13	10	6	1	6,897.90
* CS83-75	4,392.20	80390	C	56	I13	10	5	1	8,784.40
* CS84-64C	5,834.20	80384	A	56	I13	10	8	1	8,296.20
* CS84-65C	4,588.80	80383	A	56	I13	10	8	1	6,525.20
* CS84-69	4,457.70	80382	A	56	I13	10	6	1	6,338.80
* CS84-75	4,457.70	80385	C	56	I13	10	6	1	8,915.40
* CS115-2	128.80	81552	A	41	C4	100	14	10	183.10
* CS115-2A	128.80	00060	A	41	----	100	15	10	183.10
* CS115-2GY	128.80	81555	A	41	C4	100	14	10	183.10
* CS115-2I	128.80	81553	A	41	C4	100	15	10	183.10
* CS115-2W	128.80	81554	A	41	C4	100	14	10	183.10
* CS120-2	196.70	81572	A	41	C5	100	14	10	279.70
* CS120-2A	196.70	97968	A	41	----	100	14	10	279.70
* CS120-2GY	196.70	81573	A	41	C5	100	14	10	279.70
* CS120-2I	196.70	81571	A	41	C5	100	14	10	279.70
* CS120-2W	196.70	81574	A	41	C5	100	15	10	279.70
* CS215-2	432.60	81556	C	40	C4	10	2	1	865.20
* CS215-2GY	432.60	81834	C	40	C4	10	2	1	865.20
* CS215-2I	432.60	81557	C	40	C4	10	2	1	865.20
* CS215-2W	432.60	81558	C	40	C4	10	2	1	865.20
* CS220-2	669.50	81575	B	40	C5	10	2	1	1,115.30
* CS220-2A	669.50	00064	A	40	----	10	2	1	952.00
* CS220-2GY	669.50	81577	B	40	C5	10	2	1	1,115.30
* CS220-2I	669.50	81576	B	40	C5	10	2	1	1,115.30
* CS220-2W	669.50	81578	B	40	C5	10	2	1	1,115.30
* CS315-2	234.80	81560	A	41	C4	100	16	10	333.80
* CS315-2A	234.80	00061	A	41	----	100	16	10	333.80
* CS315-2GY	234.80	81564	A	41	C4	100	16	10	333.80
* CS315-2I	234.80	81559	A	41	C4	100	16	10	333.80
* CS315-2W	234.80	81563	A	41	C4	100	16	10	333.80
* CS320-2	303.90	81583	A	41	C5	100	16	10	432.10
* CS320-2A	303.90	00065	A	41	----	100	16	10	432.10
* CS320-2GY	303.90	81582	A	41	C5	100	16	10	432.10
* CS320-2I	303.90	81581	A	41	C5	100	16	10	432.10
* CS320-2W	303.90	81584	A	41	C5	100	16	10	432.10
* CS415-2	762.20	81585	A	40	C4	10	2	1	1,083.80
* CS415-2A	762.20	00062	A	40	----	10	2	1	1,083.80
* CS415-2GY	762.20	81567	A	40	C4	10	2	1	1,083.80
* CS415-2I	762.20	81566	A	40	C4	10	2	1	1,083.80
* CS415-2W	762.20	81568	A	40	C4	10	2	1	1,083.80
* CS420-2	1,030.00	81586	C	40	C5	10	2	1	2,060.00
* CS420-2A	1,030.00	00066	C	40	----	10	2	1	2,060.00
* CS420-2GY	1,030.00	81587	C	40	C5	10	2	1	2,060.00
* CS420-2I	1,030.00	81585	C	40	C5	10	2	1	2,060.00
* CS420-2W	1,030.00	81588	C	40	C5	10	2	1	2,060.00
C0001	11.40 EA	00556	E	59	----	1	2	Bulk	14.67 EA
C0004	13.20 EA	00092	E	59	----	4	1	Bulk	17.21 EA
C2411-7I	DISCONTINUED								
C2623	2,830.90	81113	A	56	----	10	4	1	4,025.50
* C2623-B	2,830.90	82792	A	56	----	10	4	1	4,025.50
C2623-CY	2,896.40	81114	A	56	----	10	4	1	4,118.60
C2651	1,394.50	80792	B	56	----	10	3	1	2,323.20
C2653	2,894.30	80779	B	56	----	10	4	1	4,821.90
C5851-25E	4.50 EA	85783	C	70	----	50	23	5	5.63 EA
C5851-25W	4.50 EA	85791	C	70	----	50	45	5	5.63 EA
C5851-50E	7.50 EA	85794	C	70	----	20	31	5	9.38 EA
C5851-50G	8.00 EA	85796	C	70	----	20	25	5	10.00 EA
C5851-50W	7.50 EA	85798	C	70	----	20	33	5	9.38 EA
C5914	12.00 EA	94499	A	75	----	6	2	1	15.00 EA
C5922-100	750.00	85833	C	10	----	3	6	1	1,500.00
C5922-50	6.66 EA	85830	C	70	----	3	3	1	8.33 EA

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
C5929-B00	4.50 EA	08045	C	70	----	10	25	Bulk	5.63 EA
C5930-B00	11.50 EA	08050	C	70	----	10	65	Bulk	14.38 EA
C5931	500.00	85848	C	10	----	12	5	1	1,000.00
C5932	1,000.00	85849	C	10	----	12	13	1	2,000.00
C5933	1,500.00	85850	C	10	----	6	12	1	3,000.00
C5935	35.00 EA	85852	C	70	----	1	6	----	43.75 EA
C5936	55.00 EA	85872	C	10	----	1	12	----	110.00 EA
C5937	3,000.00	85874	C	10	----	1	5	----	6,000.00
C5941	2,500.00	85879	C	10	----	1	3	----	5,000.00
C5946	11.15 EA	85881	C	70	----	20	38	5	13.94 EA
DCK6S-BA	1.60 EA	05101	X	22	----	50	2	10	2.00 EA
DCK6S-BB	1.60 EA	05104	X	22	----	50	2	10	2.00 EA
DCK6S-BE	1.60 EA	05103	X	22	----	50	2	10	2.00 EA
DCK6S-BG	1.60 EA	05102	X	22	----	50	2	10	2.00 EA
DCK6S-BI	1.60 EA	05099	X	22	----	50	2	10	2.00 EA
DCK6S-BW	1.60 EA	05100	X	22	----	50	2	10	2.00 EA
DLKDD-1LA	1.60 EA	02886	X	22	----	50	1	10	2.00 EA
DLKDD-1LE	1.60 EA	02888	X	22	----	50	1	10	2.00 EA
DLKDD-1LG	1.60 EA	02887	X	22	----	50	1	10	2.00 EA
DLKDD-1LI	1.60 EA	02884	X	22	----	50	1	10	2.00 EA
DLKDD-1LW	1.60 EA	02885	X	22	----	50	1	10	2.00 EA
DPSIR-4L	60.00 EA	02487	X	22	----	1	1	----	75.00 EA
DPSPE-112	204.00 EA	02485	X	22	----	1	4	----	255.00 EA
DPSPE-212	204.00 EA	02496	X	22	----	1	4	----	255.00 EA
DPSPM-412	810.00 EA	02962	X	22	----	1	10	----	1,012.50 EA
DPSPM-512	810.00 EA	02961	X	22	----	1	10	----	1,012.50 EA
DPSPM-612	810.00 EA	02960	X	22	----	1	10	----	1,012.50 EA
DRKDD-1LA	1.60 EA	01494	X	22	----	50	2	10	2.00 EA
DRKDD-1LE	1.60 EA	01496	X	22	----	50	2	10	2.00 EA
DRKDD-1LG	1.60 EA	01495	X	22	----	50	2	10	2.00 EA
DRKDD-1LI	1.60 EA	01493	X	22	----	50	2	10	2.00 EA
DRKDD-1LW	1.60 EA	01492	X	22	----	50	2	10	2.00 EA
DRK0D-1LA	1.60 EA	01505	X	22	----	50	2	10	2.00 EA
DRK0D-1LE	1.60 EA	03676	X	22	----	50	2	10	2.00 EA
DRK0D-1LG	1.60 EA	03675	X	22	----	50	2	10	2.00 EA
DRK0D-1LI	1.60 EA	01503	X	22	----	50	2	10	2.00 EA
DRK0D-1LW	1.60 EA	01504	X	22	----	50	2	10	2.00 EA
DRK0R-A	1.60 EA	01500	X	22	----	50	2	10	2.00 EA
DRK0R-E	1.60 EA	01502	X	22	----	50	2	10	2.00 EA
DRK0R-G	1.60 EA	01501	X	22	----	50	2	10	2.00 EA
DRK0R-I	1.60 EA	01499	X	22	----	50	2	10	2.00 EA
DRK0R-W	1.60 EA	01498	X	22	----	50	2	10	2.00 EA
DRK0S-LA	1.60 EA	01523	X	95	----	50	2	10	2.00 EA
DRK0S-LE	1.60 EA	01526	X	95	----	50	2	10	2.00 EA
DRK0S-LG	1.60 EA	01524	X	95	----	50	2	10	2.00 EA
DRK0S-LI	1.60 EA	01521	X	95	----	50	2	10	2.00 EA
DRK0S-LW	1.60 EA	01522	X	95	----	50	2	10	2.00 EA
ENTCS	257.50 EA	03816	C	55	----	1	18	----	515.00 EA
FPC30-C	7.10 EA	00308	E	59	----	10	5	1	9.26 EA
FPC40-C	7.10 EA	00309	E	59	----	10	5	1	9.26 EA
HCA02-10E	67.00 EA	05572	B	95	----	5	1	1	111.60 EA
H1568-B	43.00 EA	45283	B	97	----	12	25	4	71.60 EA
ILUMA-DIS	125.00 EA	02067	C	22	----	1	17	----	250.00 EA
INF01-1LA	16.10 EA	01067	X	22	----	5	2	1	20.10 EA
INF01-1LI	16.10 EA	01066	X	22	----	5	2	1	20.10 EA
INF01-1LW	16.10 EA	01065	X	22	----	5	2	1	20.10 EA
INF05-1LA	27.20 EA	01064	X	22	----	5	2	1	34.00 EA
INF05-1LI	27.20 EA	01062	X	22	----	5	2	1	34.00 EA
INF05-1LW	27.20 EA	01063	X	22	----	5	2	1	34.00 EA
INI06-1LA	11.70 EA	01048	X	22	----	5	2	1	14.60 EA
INI06-1LI	11.70 EA	01047	X	22	----	5	2	1	14.60 EA
INI06-1LW	11.70 EA	01046	X	22	----	5	2	1	14.60 EA
INI06-10A	10.50 EA	01051	X	22	----	5	2	1	13.10 EA
INI06-10I	10.50 EA	01050	X	22	----	5	2	1	13.10 EA
INI06-10W	10.50 EA	01049	X	22	----	5	2	1	13.10 EA
INI10-1LA	38.30 EA	01057	X	22	----	5	2	1	47.80 EA
INI10-1LI	38.30 EA	01055	X	22	----	5	2	1	47.80 EA
INI10-1LW	38.30 EA	01056	X	22	----	5	2	1	47.80 EA
INKIT-A	1.60 EA	01070	X	22	----	50	2	10	2.00 EA
INKIT-B	1.60 EA	01073	X	22	----	50	2	10	2.00 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
INKIT-E	1.60 EA	01072	X	22	----	50	2	10	2.00 EA
INKIT-G	1.60 EA	01071	X	22	----	50	2	10	2.00 EA
INKIT-I	1.60 EA	01068	X	22	----	50	2	10	2.00 EA
INKIT-W	1.60 EA	01069	X	22	----	50	2	10	2.00 EA
INM06-1LA	30.30 EA	01054	X	22	----	5	2	1	37.80 EA
INM06-1LI	30.30 EA	01053	X	22	----	5	2	1	37.80 EA
INM06-1LW	30.30 EA	01052	X	22	----	5	2	1	37.80 EA
INM10-1LA	49.30 EA	01060	X	22	----	5	2	1	61.60 EA
INM10-1LI	49.30 EA	01059	X	22	----	5	2	1	61.60 EA
INM10-1LW	49.30 EA	01058	X	22	----	5	2	1	61.60 EA
INQFK-A	1.60 EA	02388	X	22	----	50	2	10	2.00 EA
INQFK-B	1.60 EA	02391	X	22	----	50	2	10	2.00 EA
INQFK-E	1.60 EA	02390	X	22	----	50	2	10	2.00 EA
INQFK-G	1.60 EA	02389	X	22	----	50	2	10	2.00 EA
INQFK-I	1.60 EA	02386	X	22	----	50	2	10	2.00 EA
INQFK-W	1.60 EA	02387	X	22	----	50	2	10	2.00 EA
IPE04-1LW	42.00 EA	01026	X	22	----	5	2	1	52.50 EA
IPF01-1LA	17.30 EA	01035	X	22	----	5	2	1	21.60 EA
IPF01-1LI	17.30 EA	01033	X	22	----	5	2	1	21.60 EA
IPF01-1LW	17.30 EA	01034	X	22	----	5	2	1	21.60 EA
IPF05-1LA	31.50 EA	01032	X	22	----	5	2	1	39.30 EA
IPF05-1LI	31.50 EA	01031	X	22	----	5	2	1	39.30 EA
IPF05-1LW	31.50 EA	01030	X	22	----	5	2	1	39.30 EA
IPI06-MLI	154.50 EA	05611	X	22	----	5	5	1	193.10 EA
IPI06-MLW	154.50 EA	05612	X	22	----	5	5	1	193.10 EA
IPI06-1LA	15.50 EA	00982	X	22	----	5	2	1	19.30 EA
IPI06-1LI	15.50 EA	00981	X	22	----	5	2	1	19.30 EA
IPI06-1LW	15.50 EA	00980	X	22	----	5	2	1	19.30 EA
IPI06-10A	14.20 EA	00979	X	22	----	5	2	1	17.70 EA
IPI06-10I	14.20 EA	00978	X	22	----	5	2	1	17.70 EA
IPI06-10W	14.20 EA	00977	X	22	----	5	2	1	17.70 EA
IPI10-1LA	43.50 EA	00987	X	22	----	5	2	1	54.30 EA
IPI10-1LI	43.50 EA	00988	X	22	----	5	2	1	54.30 EA
IPI10-1LW	43.50 EA	00986	X	22	----	5	2	1	54.30 EA
IPKIT-A	1.60 EA	01042	X	22	----	50	2	10	2.00 EA
IPKIT-B	1.60 EA	01045	X	22	----	50	2	10	2.00 EA
IPKIT-E	1.60 EA	01044	X	22	----	50	2	10	2.00 EA
IPKIT-G	1.60 EA	01043	X	22	----	50	2	10	2.00 EA
IPKIT-I	1.60 EA	01041	X	22	----	50	2	10	2.00 EA
IPKIT-W	1.60 EA	01040	X	22	----	50	2	10	2.00 EA
IPM06-1LA	31.50 EA	00985	X	22	----	5	2	1	39.30 EA
IPM06-1LI	31.50 EA	00983	X	22	----	5	2	1	39.30 EA
IPM06-1LW	31.50 EA	00984	X	22	----	5	2	1	39.30 EA
IPM10-1LA	50.90 EA	00990	X	22	----	5	2	1	63.60 EA
IPM10-1LI	50.90 EA	00991	X	22	----	5	2	1	63.60 EA
IPM10-1LW	50.90 EA	00992	X	22	----	5	2	1	63.60 EA
IPQFK-A	1.60 EA	02382	X	22	----	50	2	10	2.00 EA
IPQFK-B	1.60 EA	02385	X	22	----	50	2	10	2.00 EA
IPQFK-E	1.60 EA	02384	X	22	----	50	2	10	2.00 EA
IPQFK-G	1.60 EA	02383	X	22	----	50	2	10	2.00 EA
IPQFK-I	1.60 EA	02380	X	22	----	50	2	10	2.00 EA
IPQFK-W	1.60 EA	02381	X	22	----	50	2	10	2.00 EA
IPX06-1LW	39.80 EA	01027	X	22	----	5	2	1	49.70 EA
IPX10-1LW	61.70 EA	01028	X	22	----	5	2	1	77.10 EA
IPX12-7LW	61.70 EA	04137	X	22	----	5	2	1	77.10 EA
LK004-120	349.00 EA	05126	X	22	----	1	12	----	436.20 EA
LK004-277	349.00 EA	05127	X	22	----	1	12	----	436.20 EA
LK008-DV	610.00 EA	05128	X	22	----	1	40	----	762.50 EA
* L7501	8.10 EA	97119	X	57	----	50	3	10	10.10 EA
* L7502	8.10 EA	97123	X	57	----	50	6	10	10.10 EA
* L7503	9.60 EA	97125	X	57	----	50	3	10	12.00 EA
* L7504	10.40 EA	97129	X	57	----	50	5	10	13.00 EA
* L7505	12.00 EA	97131	X	57	----	50	9	10	15.00 EA
* L7506	14.70 EA	97132	X	57	----	25	8	5	18.30 EA
* L7507	28.00 EA	97133	X	57	----	50	22	10	35.00 EA
* L7508	34.90 EA	97134	X	57	----	25	21	5	43.60 EA
* L7509	52.80 EA	97150	X	57	----	25	74	5	66.00 EA
* L7511	58.50 EA	97152	X	57	----	25	81	5	73.10 EA
* L7521	31.10 EA	97521	X	57	----	10	2	1	38.80 EA
* L7522	29.50 EA	97523	X	57	----	10	2	1	36.80 EA
* L7523	43.20 EA	97542	X	57	----	10	1	1	54.00 EA
* L7524	41.50 EA	97588	X	57	----	10	1	1	51.80 EA
* L7525	29.50 EA	97524	X	57	----	10	1	1	36.80 EA
* L7526	29.50 EA	97558	X	57	----	10	2	1	36.80 EA
* L7527	41.50 EA	97547	X	57	----	10	2	1	51.80 EA
* L7528	41.50 EA	97590	X	57	----	10	2	1	51.80 EA
* L7529	31.10 EA	97525	X	57	----	10	1	1	38.80 EA
* L7531	29.50 EA	97764	X	57	----	10	1	1	36.80 EA
* L7532	43.60 EA	97551	X	57	----	10	2	1	54.50 EA
* L7533	41.50 EA	97591	X	57	----	10	1	1	51.80 EA
* L7534	29.50 EA	97526	X	57	----	10	1	1	36.80 EA
* L7535	29.50 EA	97563	X	57	----	10	3	1	36.80 EA
* L7536	41.50 EA	97553	X	57	----	10	2	1	51.80 EA
* L7537	41.50 EA	97592	X	57	----	10	1	1	51.80 EA
* L7538	31.10 EA	97527	X	57	----	10	1	1	38.80 EA
* L7539	43.60 EA	97564	X	57	----	10	1	1	54.50 EA
* L7541	41.50 EA	97556	X	57	----	10	3	1	51.80 EA
* L7542	41.50 EA	97593	X	57	----	10	1	1	51.80 EA
* L7543	29.50 EA	97528	X	57	----	10	3	1	36.80 EA
* L7544	41.50 EA	97557	X	57	----	10	3	1	51.80 EA
* L7545	31.10 EA	97529	X	57	----	10	3	1	38.80 EA
* L7546	43.60 EA	97559	X	57	----	10	6	1	54.50 EA
* L7547	34.20 EA	97533	X	57	----	10	1	1	42.70 EA
* L7548	32.60 EA	97568	X	57	----	10	2	1	40.70 EA
* L7549	55.70 EA	97630	X	57	----	10	2	1	69.60 EA
* L7551	52.90 EA	97604	X	57	----	10	2	1	66.10 EA
* L7552	34.20 EA	97534	X	57	----	10	2	1	42.70 EA
* L7553	32.60 EA	97570	X	57	----	10	2	1	40.70 EA
* L7554	55.70 EA	97636	X	57	----	10	3	1	69.60 EA
* L7555	52.90 EA	97606	X	57	----	10	3	1	66.10 EA
* L7556	32.60 EA	97535	X	57	----	10	1	1	40.70 EA
* L7557	32.60 EA	97572	X	57	----	10	1	1	40.70 EA
* L7558	52.90 EA	97637	X	57	----	10	1	1	66.10 EA
* L7559	52.90 EA	97607	X	57	----	10	3	1	66.10 EA
* L7561	38.30 EA	97537	X	57	----	10	1	1	47.80 EA
* L7562	32.60 EA	97573	X	57	----	10	1	1	40.70 EA
* L7563	56.10 EA	97638	X	57	----	10	4	1	70.10 EA
* L7564	52.90 EA	97608	X	57	----	10	3	1	66.10 EA
* L7565	38.30 EA	97539	X	57	----	10	1	1	47.80 EA
* L7566	56.10 EA	97639	X	57	----	10	3	1	70.10 EA
* L7567	45.50 EA	97541	X	57	----	10	4	1	56.80 EA
* L7568	43.60 EA	97575	X	57	----	10	4	1	54.50 EA
* L7569	56.80 EA	97610	X	57	----	10	4	1	71.00 EA
* L7571	45.50 EA	97543	X	57	----	10	4	1	56.80 EA
* L7572	43.60 EA	97579	X	57	----	10	4	1	54.50 EA
* L7573	59.10 EA	97561	X	57	----	10	2	1	73.80 EA
* L7574	56.80 EA	97612	X	57	----	10	4	1	71.00 EA
* L7575	43.60 EA	97545	X	57	----	10	4	1	54.50 EA
* L7576	43.60 EA	97580	X	57	----	10	3	1	54.50 EA
* L7577	56.80 EA	97562	X	57	----	10	2	1	71.00 EA
* L7578	56.80 EA	97614	X	57	----	10	2	1	71.00 EA
* L7579	45.80 EA	97546	X	57	----	10	5	1	57.20 EA
* L7581	43.60 EA	97583	X	57	----	10	3	1	54.50 EA
* L7582	56.80 EA	97582	X	57	----	10	5	1	71.00 EA
* L7583	56.80 EA	97615	X	57	----	10	2	1	71.00 EA
* L7584	43.60 EA	97548	X	57	----	10	4	1	54.50 EA
* L7585	43.60 EA	97584	X	57	----	10	4	1	54.50 EA
* L7586	56.80 EA	97601	X	57	----	10	2	1	71.00 EA
* L7587	56.80 EA	97617	X	57	----	10	2	1	71.00 EA
* L7588	45.80 EA	97550	X	57	----	10	2	1	57.20 EA
* L7589	43.60 EA	97585	X	57	----	10	2	1	54.50 EA
* L7590	56.80 EA	97620	X	57	----	10	2	1	71.00 EA
* L7591	59.60 EA	97621	X	57	----	10	2	1	74.50 EA
* L7592	56.80 EA	97618	X	57	----	10	4	1	71.00 EA
* L7593	43.60 EA	97552	X	57	----	10	2	1	54.50 EA
* L7594	43.60 EA	97586	X	57	----	10	2	1	54.50 EA
* L7595	56.80 EA	97622	X	57	----	10	2	1	71.00 EA
* L7596	56.80 EA	97619	X	57	----	10	2	1	71.00 EA
* L7597	45.80 EA	97555	X	57	----	10	1	1	57.20 EA
* L7598	43.60 EA	97587	X	57	----	10	1	1	54.50 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* L7599	56.80 EA	97623	X	57	----	10	2	1	71.00 EA
* L7601	32.50 EA	97530	X	57	----	10	2	1	40.60 EA
* L7602	32.50 EA	97565	X	57	----	10	1	1	40.60 EA
* L7603	52.90 EA	97624	X	57	----	10	1	1	66.10 EA
* L7604	52.90 EA	97594	X	57	----	10	1	1	66.10 EA
* L7605	32.50 EA	97531	X	57	----	10	2	1	40.60 EA
* L7606	32.50 EA	97566	X	57	----	10	5	1	40.60 EA
* L7607	52.60 EA	97626	X	57	----	10	1	1	65.70 EA
* L7608	52.90 EA	97595	X	57	----	10	1	1	66.10 EA
* L7609	32.50 EA	97532	X	57	----	10	1	1	40.60 EA
* L7611	32.50 EA	97567	X	57	----	10	5	1	40.60 EA
* L7612	52.90 EA	97628	X	57	----	10	1	1	66.10 EA
* L7613	52.90 EA	97603	X	57	----	10	1	1	66.10 EA
* L7700	28.50 EA	97382	X	57	----	50	64	10	35.60 EA
* L7701	23.20 EA	97369	X	57	----	10	4	1	29.00 EA
* L7702	24.30 EA	97371	X	57	----	10	4	1	30.30 EA
* L7703	24.30 EA	97373	X	57	----	10	4	1	30.30 EA
* L7704	24.30 EA	97374	X	57	----	10	3	1	30.30 EA
* L7705	26.20 EA	97375	X	57	----	10	1	1	32.70 EA
* L7706	26.20 EA	97376	X	57	----	50	10	10	32.70 EA
* L7707	26.20 EA	97377	X	57	----	50	5	10	32.70 EA
* L7708	26.20 EA	97378	X	57	----	50	5	10	32.70 EA
* L7709	26.00 EA	97379	X	57	----	50	13	10	32.50 EA
* L7711	28.50 EA	97380	X	57	----	10	3	1	35.60 EA
* L7712	28.50 EA	97381	X	57	----	50	13	10	35.60 EA
* L7713	32.00 EA	97383	X	57	----	50	5	10	40.00 EA
* L7714	31.80 EA	97384	X	57	----	50	13	10	39.70 EA
* L7715	37.10 EA	97385	X	57	----	10	6	1	46.30 EA
* L7716	38.40 EA	97386	X	57	----	10	6	1	48.00 EA
* L7717	38.40 EA	97387	X	57	----	10	3	1	48.00 EA
* L7718	38.40 EA	97388	X	57	----	50	18	10	48.00 EA
* L7719	37.10 EA	97389	X	57	----	50	13	10	46.30 EA
* L7720	111.40 EA	97765	X	57	----	10	1	1	139.20 EA
* L7721	38.40 EA	97390	X	57	----	10	6	1	48.00 EA
* L7722	103.30 EA	97288	X	57	----	10	5	1	129.10 EA
* L7723	55.90 EA	97394	X	57	----	10	8	1	69.80 EA
* L7724	55.90 EA	97397	X	57	----	10	7	1	69.80 EA
* L7725	55.90 EA	97398	X	57	----	10	6	1	69.80 EA
* L7726	55.90 EA	97400	X	57	----	10	6	1	69.80 EA
* L7727	65.80 EA	97404	X	57	----	10	7	1	82.20 EA
* L7728	65.80 EA	97407	X	57	----	10	7	1	82.20 EA
* L7729	63.40 EA	97411	X	57	----	10	8	1	79.20 EA
* L7730	80.40 EA	97766	X	57	----	10	1	1	100.50 EA
* L7731	63.40 EA	97413	X	57	----	10	8	1	79.20 EA
* L7732	63.40 EA	97414	X	57	----	10	8	1	79.20 EA
* L7733	63.40 EA	97416	X	57	----	10	8	1	79.20 EA
* L7734	87.30 EA	97417	X	57	----	10	12	1	109.10 EA
* L7735	84.20 EA	97421	X	57	----	10	12	1	105.20 EA
* L7736	84.20 EA	97422	X	57	----	10	12	1	105.20 EA
* L7737	84.20 EA	97423	X	57	----	10	12	1	105.20 EA
* L7738	87.30 EA	97424	X	57	----	10	12	1	109.10 EA
* L7739	132.30 EA	97425	X	57	----	10	27	1	165.30 EA
L7740	80.40 EA	97843	X	57	----	10	1	1	100.50 EA
* L7741	132.10 EA	97426	X	57	----	10	25	1	165.10 EA
* L7742	132.10 EA	97427	X	57	----	10	27	1	165.10 EA
* L7743	132.30 EA	97428	X	57	----	10	27	1	165.30 EA
* L7744	132.30 EA	97429	X	57	----	10	26	1	165.30 EA
* L7745	160.20 EA	97430	X	57	----	10	29	1	200.20 EA
* L7746	160.20 EA	97431	X	57	----	10	28	1	200.20 EA
* L7747	169.30 EA	97432	X	57	----	10	28	1	211.60 EA
* L7748	169.30 EA	97434	X	57	----	10	27	1	211.60 EA
* L7749	169.30 EA	97435	X	57	----	10	30	1	211.60 EA
* L7750	80.40 EA	97795	X	57	----	10	12	1	100.50 EA
* L7751	169.30 EA	97444	X	57	----	10	37	1	211.60 EA
L7752	216.00 EA	97445	X	57	----	10	36	1	270.00 EA
L7753	216.00 EA	97446	X	57	----	10	35	1	270.00 EA
L7754	241.00 EA	97447	X	57	----	10	35	1	301.20 EA
L7755	241.00 EA	97448	X	57	----	10	33	1	301.20 EA
* L7760	80.40 EA	97782	X	57	----	10	12	1	100.50 EA
* L7761	36.30 EA	97450	X	57	----	10	2	1	45.30 EA
* L7762	36.30 EA	97451	X	57	----	10	3	1	45.30 EA
* L7763	36.30 EA	97453	X	57	----	10	2	1	45.30 EA
* L7764	36.30 EA	97454	X	57	----	10	3	1	45.30 EA
* L7765	45.40 EA	97455	X	57	----	10	5	1	56.70 EA
* L7766	47.00 EA	97456	X	57	----	10	3	1	58.70 EA
* L7767	47.00 EA	97458	X	57	----	10	5	1	58.70 EA
* L7768	47.00 EA	97460	X	57	----	10	4	1	58.70 EA
* L7769	50.10 EA	97461	X	57	----	10	6	1	62.60 EA
* L7771	50.10 EA	97463	X	57	----	10	10	1	62.60 EA
* L7772	50.00 EA	97466	X	57	----	10	6	1	62.50 EA
* L7773	50.00 EA	97467	X	57	----	10	5	1	62.50 EA
* L7774	50.00 EA	97468	X	57	----	10	6	1	62.50 EA
* L7775	64.70 EA	97469	X	57	----	10	7	1	80.80 EA
* L7776	67.40 EA	97471	X	57	----	10	14	1	84.20 EA
* L7777	67.40 EA	97472	X	57	----	10	10	1	84.20 EA
* L7778	67.40 EA	97474	X	57	----	10	10	1	84.20 EA
* L7779	64.70 EA	97475	X	57	----	10	10	1	80.80 EA
L7780	84.10 EA	97842	X	57	----	10	10	1	105.10 EA
* L7781	77.00 EA	97477	X	57	----	10	12	1	96.20 EA
* L7782	80.10 EA	97479	X	57	----	10	9	1	100.10 EA
* L7783	80.10 EA	97480	X	57	----	10	7	1	100.10 EA
* L7784	80.10 EA	97481	X	57	----	10	9	1	100.10 EA
L7785	80.10 EA	97483	X	57	----	10	9	1	100.10 EA
* L7786	112.00 EA	97485	X	57	----	10	23	1	140.00 EA
* L7787	106.20 EA	97486	X	57	----	10	15	1	132.70 EA
* L7788	106.20 EA	97488	X	57	----	10	14	1	132.70 EA
* L7789	106.20 EA	97489	X	57	----	10	14	1	132.70 EA
* L7791	106.20 EA	97490	X	57	----	10	16	1	132.70 EA
L7801	35.00 EA	97492	X	57	----	10	5	1	43.70 EA
L7802	36.30 EA	97493	X	57	----	10	2	1	45.30 EA
* L7803	36.30 EA	97494	X	57	----	10	2	1	45.30 EA
* L7804	36.30 EA	97495	X	57	----	10	2	1	45.30 EA
* L7805	45.40 EA	97496	X	57	----	10	6	1	56.70 EA
L7806	47.30 EA	97497	X	57	----	10	6	1	59.10 EA
* L7807	47.30 EA	97498	X	57	----	10	5	1	59.10 EA
* L7808	47.30 EA	97499	X	57	----	10	5	1	59.10 EA
* L7809	47.80 EA	97500	X	57	----	10	3	1	59.70 EA
* L7810	60.70 EA	97783	X	57	----	10	1	1	75.80 EA
* L7811	47.80 EA	97501	X	57	----	10	3	1	59.70 EA
* L7812	49.80 EA	97502	X	57	----	10	5	1	62.20 EA
* L7813	47.80 EA	97503	X	57	----	10	5	1	59.70 EA
* L7820	55.10 EA	97784	X	57	----	10	1	1	68.80 EA
* L7821	25.00 EA	97504	X	57	----	10	2	1	31.20 EA
* L7822	25.10 EA	97505	X	57	----	10	2	1	31.30 EA
* L7823	25.10 EA	97506	X	57	----	10	2	1	31.30 EA
* L7824	26.80 EA	97507	X	57	----	10	5	1	33.50 EA
* L7825	26.80 EA	97508	X	57	----	10	2	1	33.50 EA
* L7826	27.70 EA	97509	X	57	----	10	5	1	34.60 EA
* L7827	31.30 EA	97510	X	57	----	10	2	1	39.10 EA
* L7828	26.80 EA	97511	X	57	----	10	5	1	33.50 EA
* L7829	27.20 EA	97512	X	57	----	10	5	1	34.00 EA
* L7831	30.50 EA	97513	X	57	----	10	4	1	38.10 EA
* L7832	52.00 EA	97514	X	57	----	10	4	1	65.00 EA
* L7833	43.80 EA	97515	X	57	----	10	5	1	54.70 EA
* L7834	52.00 EA	97516	X	57	----	10	5	1	65.00 EA
* L7835	52.00 EA	97518	X	57	----	10	5	1	65.00 EA
* L7836	52.00 EA	97519	X	57	----	10	5	1	65.00 EA
* L7901	15.40 EA	97162	X	57	----	10	2	1	19.20 EA
* L7902	19.70 EA	97169	X	57	----	50	57	10	24.60 EA
* L7903	25.50 EA	97181	X	57	----	50	15	10	31.80 EA
* L7904	30.50 EA	97187	X	57	----	10	5	1	38.10 EA
* L7905	38.10 EA	97188	X	57	----	10	9	1	47.60 EA
* L7906	56.30 EA	97190	X	57	----	10	14	1	70.30 EA
* L7907	87.50 EA	97197	X	57	----	10	19	1	109.30 EA
* L7908	206.40 EA	97201	X	57	----	10	23	1	258.00 EA
* L7911	250.20 EA	97203	X	57	----	10	55	1	312.70 EA
* L7912	288.50 EA	97204	X	57	----	10	77	1	360.60 EA
* L7915	22.20 EA	97206	X	57	----	10	3	1	27.70 EA
* L7916	23.00 EA	97241	X	57	----	10	3	1	28.70 EA
* L7917	29.30 EA	97243	X	57	----	10	5	1	36.60 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* L7918	42.10 EA	97256	X	57	----	10	7	1	52.60 EA
* L7919	55.10 EA	97258	X	57	----	10	13	1	68.80 EA
* L7921	75.00 EA	97259	X	57	----	10	20	1	93.70 EA
* L7922	88.00 EA	97392	X	57	----	10	23	1	110.00 EA
* L7923	363.20 EA	97281	X	57	----	10	39	1	454.00 EA
* L7924	458.90 EA	97283	X	57	----	10	114	1	573.60 EA
* L7925	472.60 EA	97285	X	57	----	10	35	1	590.70 EA
* L7931	22.20 EA	97302	X	57	----	10	3	1	27.70 EA
* L7932	23.00 EA	97304	X	57	----	10	2	1	28.70 EA
* L7933	28.80 EA	97393	X	57	----	10	5	1	36.00 EA
* L7934	42.10 EA	97395	X	57	----	10	5	1	52.60 EA
* L7935	55.10 EA	97396	X	57	----	10	13	1	68.80 EA
* L7936	75.00 EA	97399	X	57	----	10	18	1	93.70 EA
* L7937	103.30 EA	97401	X	57	----	10	26	1	129.10 EA
* L7938	363.20 EA	97403	X	57	----	10	25	1	454.00 EA
* L7939	457.80 EA	97405	X	57	----	10	102	1	572.20 EA
* L7941	518.40 EA	97410	X	57	----	10	30	1	648.00 EA
* L7951	18.80 EA	97306	X	57	----	10	2	1	23.50 EA
* L7952	25.10 EA	97311	X	57	----	10	4	1	31.30 EA
* L7953	30.90 EA	97312	X	57	----	10	4	1	38.60 EA
* L7954	31.50 EA	97313	X	57	----	10	6	1	39.30 EA
L7961	26.70 EA	97314	X	57	----	10	2	1	33.30 EA
* L7962	26.70 EA	97315	X	57	----	10	5	1	33.30 EA
* L7963	36.70 EA	97316	X	57	----	10	7	1	45.80 EA
* L7964	46.80 EA	97317	X	57	----	10	9	1	58.50 EA
* L7965	85.40 EA	97318	X	57	----	10	13	1	106.70 EA
* L7966	113.70 EA	97319	X	57	----	10	5	1	142.10 EA
* L7967	53.30 EA	97323	X	57	----	10	8	1	66.60 EA
* L7968	85.40 EA	97324	X	57	----	10	9	1	106.70 EA
* L7969	143.40 EA	97326	X	57	----	10	13	1	179.20 EA
* L7970	196.30 EA	97320	X	57	----	10	31	1	245.30 EA
* L7971	185.00 EA	97327	X	57	----	10	17	1	231.20 EA
* L7972	275.30 EA	97328	X	57	----	10	19	1	344.10 EA
L7980	31.10 EA	97464	X	57	----	10	2	1	38.80 EA
L7981	6.00 EA	97332	X	57	----	50	3	10	7.50 EA
L7982	6.60 EA	97336	X	57	----	50	3	10	8.20 EA
L7983	7.60 EA	97338	X	57	----	50	2	10	9.50 EA
L7984	9.10 EA	97340	X	57	----	50	3	10	11.30 EA
L7985	10.50 EA	97342	X	57	----	50	4	10	13.10 EA
L7986	10.60 EA	97343	X	57	----	50	5	10	13.20 EA
L7987	11.10 EA	97344	X	57	----	50	6	10	13.80 EA
L7988	7.50 EA	97345	X	57	----	10	2	1	9.30 EA
* L7990	38.10 EA	97321	X	57	----	10	6	1	47.60 EA
L7991	8.50 EA	97346	X	57	----	10	2	1	10.60 EA
L7992	10.50 EA	97347	X	57	----	10	1	1	13.10 EA
L7993	11.20 EA	97349	X	57	----	10	2	1	14.00 EA
L7994	13.90 EA	97351	X	57	----	10	3	1	17.30 EA
L7995	13.40 EA	97352	X	57	----	10	3	1	16.70 EA
L7996	14.40 EA	97353	X	57	----	10	2	1	18.00 EA
L7997	5.60 EA	97358	X	57	----	10	1	1	7.00 EA
L7998	8.10 EA	97362	X	57	----	10	4	1	10.10 EA
* L7999	38.10 EA	97322	X	57	----	10	3	1	47.60 EA
* L8001	18.60 EA	97363	X	57	----	10	1	1	23.20 EA
* L8002	20.00 EA	97364	X	57	----	10	5	1	25.00 EA
* L8003	21.30 EA	97365	X	57	----	10	3	1	26.60 EA
* L8004	22.70 EA	97366	X	57	----	10	5	1	28.30 EA
* L8005	23.10 EA	97367	X	57	----	10	5	1	28.80 EA
* L8006	24.30 EA	97368	X	57	----	10	5	1	30.30 EA
L8011	84.10 EA	97874	A	57	----	10	1	1	119.50 EA
L8012	117.00 EA	97886	X	57	----	10	1	1	146.20 EA
L8013	117.00 EA	97887	X	57	----	0		1	146.20 EA
L8200-R	1,158.80	82062	A	56	----	50	12	10	1,647.80
* L8500	12.40 EA	97257	X	57	----	50	2	10	15.50 EA
* L8501	15.00 EA	97260	X	57	----	50	3	10	18.70 EA
* L8502	16.30 EA	97307	X	57	----	50	3	10	20.30 EA
* L8503	18.90 EA	97667	X	57	----	50	5	10	23.60 EA
* L8504	21.50 EA	97308	X	57	----	10	2	1	26.80 EA
* L8505	22.90 EA	97310	X	57	----	10	3	1	28.60 EA
* L8510	102.90 EA	97309	X	57	----	5	5	1	128.60 EA
* L8511	29.10 EA	97325	X	57	----	10	1	1	36.30 EA
* L8512	29.10 EA	97329	X	57	----	10	2	1	36.30 EA
* L8513	29.50 EA	97330	X	57	----	10	2	1	36.80 EA
* L8514	31.50 EA	97331	X	57	----	10	4	1	39.30 EA
* L8515	34.00 EA	97333	X	57	----	10	5	1	42.50 EA
* L8516	37.30 EA	97334	X	57	----	10	6	1	46.60 EA
* L8517	40.70 EA	97335	X	57	----	10	7	1	50.80 EA
* L8518	43.80 EA	97337	X	57	----	10	7	1	54.70 EA
* L8519	49.90 EA	97339	X	57	----	10	11	1	62.30 EA
* L8523	36.50 EA	97341	X	57	----	10	3	1	45.60 EA
* L8524	36.50 EA	97348	X	57	----	10	2	1	45.60 EA
* L8525	37.30 EA	97350	X	57	----	10	3	1	46.60 EA
* L8526	38.30 EA	97354	X	57	----	10	6	1	47.80 EA
* L8527	39.50 EA	97355	X	57	----	10	6	1	49.30 EA
* L8528	39.70 EA	97356	X	57	----	10	9	1	49.60 EA
* L8529	47.80 EA	97357	X	57	----	10	9	1	59.70 EA
* L8530	56.70 EA	97359	X	57	----	10	15	1	70.80 EA
* L8531	69.30 EA	97360	X	57	----	10	18	1	86.60 EA
* L8532	77.70 EA	97361	X	57	----	10	30	1	97.10 EA
* L8540	160.00 EA	97370	X	57	----	5	11	1	200.00 EA
* L8541	35.40 EA	97372	X	57	----	10	2	1	44.20 EA
* L8542	39.30 EA	97391	X	57	----	10	3	1	49.10 EA
* L8543	42.80 EA	97402	X	57	----	10	4	1	53.50 EA
* L8544	44.90 EA	97406	X	57	----	10	6	1	56.10 EA
* L8545	46.60 EA	97408	X	57	----	10	6	1	58.20 EA
* L8546	48.20 EA	97409	X	57	----	10	5	1	60.20 EA
* L8550	244.80 EA	97412	X	57	----	10	19	1	306.00 EA
* L8551	57.50 EA	97415	X	57	----	10	3	1	71.80 EA
* L8552	58.50 EA	97419	X	57	----	10	5	1	73.10 EA
* L8553	59.80 EA	97420	X	57	----	10	5	1	74.70 EA
* L8554	59.90 EA	97433	X	57	----	10	9	1	74.80 EA
* L8555	66.10 EA	97436	X	57	----	10	13	1	82.60 EA
* L8556	71.40 EA	97437	X	57	----	10	14	1	89.20 EA
* L8557	78.70 EA	97438	X	57	----	10	21	1	98.30 EA
* L8558	87.10 EA	97439	X	57	----	10	19	1	108.80 EA
* L8559	98.20 EA	97440	X	57	----	10	27	1	122.70 EA
* L8560	321.10 EA	97465	X	57	----	5	25	1	401.30 EA
* L8563	75.40 EA	97441	X	57	----	10	7	1	94.20 EA
* L8564	77.90 EA	97442	X	57	----	10	11	1	97.30 EA
* L8565	83.60 EA	97449	X	57	----	10	16	1	104.50 EA
* L8566	90.20 EA	97452	X	57	----	10	16	1	112.70 EA
* L8567	98.80 EA	97457	X	57	----	10	24	1	123.50 EA
* L8568	111.40 EA	97459	X	57	----	10	25	1	139.20 EA
* L8569	126.10 EA	97462	X	57	----	10	40	1	157.60 EA
* L8572	96.40 EA	97473	X	57	----	10	10	1	120.50 EA
* L8573	99.80 EA	97476	X	57	----	5	7	1	124.70 EA
* L8574	122.60 EA	97478	X	57	----	5	9	1	153.20 EA
* L8575	124.70 EA	97482	X	57	----	5	11	1	155.80 EA
* L8576	126.30 EA	97484	X	57	----	5	16	1	157.80 EA
* L8577	139.80 EA	97487	X	57	----	5	14	1	174.70 EA
* L8578	158.10 EA	97491	X	57	----	5	20	1	197.60 EA
* L8581	56.80 EA	97052	X	57	----	10	20	1	71.00 EA
* L8582	57.90 EA	97053	X	57	----	10	6	1	72.30 EA
* L8583	74.70 EA	97055	X	57	----	10	10	1	93.30 EA
* L8584	81.80 EA	97057	X	57	----	10	20	1	102.20 EA
* L8585	91.40 EA	97217	X	57	----	10	20	1	114.20 EA
* L8586	100.30 EA	97219	X	57	----	10	29	1	125.30 EA
* L8587	117.40 EA	97221	X	57	----	5	22	1	146.70 EA
* L8588	134.10 EA	97224	X	57	----	5	29	1	167.60 EA
* L8589	152.30 EA	97225	X	57	----	5	28	1	190.30 EA
* L8591	169.20 EA	97228	X	57	----	5	30	1	211.50 EA
* L8592	197.50 EA	97230	X	57	----	5	36	1	246.80 EA
* L8600	394.80 EA	97255	X	57	----	1	1	----	493.50 EA
* L8601	73.90 EA	97232	X	57	----	10	6	1	92.30 EA
* L8602	75.20 EA	97234	X	57	----	10	6	1	94.00 EA
* L8603	87.10 EA	97235	X	57	----	10	15	1	108.80 EA
* L8604	89.70 EA	97236	X	57	----	10	29	1	112.10 EA
* L8605	103.40 EA	97237	X	57	----	10	25	1	129.20 EA
* L8606	121.90 EA	97238	X	57	----	10	50	1	152.30 EA
* L8607	144.90 EA	97245	X	57	----	5	29	1	181.10 EA
* L8608	168.20 EA	97247	X	57	----	5	35	1	210.20 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* L8609	192.50 EA	97249	X	57	----	5	37	1	240.60 EA
* L8611	217.10 EA	97252	X	57	----	5	41	1	271.30 EA
* L8612	255.50 EA	97791	X	57	----	5	52	1	319.30 EA
* L8613	271.60 EA	97253	X	57	----	5	54	1	339.50 EA
* L8614	329.20 EA	97254	X	57	----	5	54	1	411.50 EA
* L8621	79.40 EA	97517	X	57	----	10	6	1	99.20 EA
* L8622	98.80 EA	97520	X	57	----	10	11	1	123.50 EA
* L8623	106.20 EA	97522	X	57	----	10	16	1	132.70 EA
* L8624	129.20 EA	97536	X	57	----	10	34	1	161.50 EA
* L8625	152.30 EA	97538	X	57	----	10	52	1	190.30 EA
* L8626	172.20 EA	97540	X	57	----	10	68	1	215.20 EA
* L8627	232.90 EA	97544	X	57	----	10	1	1	291.10 EA
* L8628	262.60 EA	97549	X	57	----	10	68	1	328.20 EA
* L8629	270.60 EA	97554	X	57	----	10	63	1	338.20 EA
* L8631	285.80 EA	97560	X	57	----	10	65	1	357.20 EA
* L8632	314.10 EA	97569	X	57	----	10	91	1	392.60 EA
* L8641	59.10 EA	97571	X	57	----	10	6	1	73.80 EA
* L8642	83.70 EA	97574	X	57	----	10	10	1	104.60 EA
* L8643	94.30 EA	97576	X	57	----	10	19	1	117.80 EA
* L8644	112.30 EA	97577	X	57	----	10	34	1	140.30 EA
* L8645	122.10 EA	97578	X	57	----	10	48	1	152.60 EA
* L8646	136.20 EA	97581	X	57	----	10	49	1	170.20 EA
* L8647	206.60 EA	97589	X	57	----	10	55	1	258.20 EA
* L8648	256.40 EA	97596	X	57	----	10	60	1	320.50 EA
* L8649	264.30 EA	97597	X	57	----	10	60	1	330.30 EA
* L8651	270.80 EA	97598	X	57	----	10	63	1	338.50 EA
* L8652	303.50 EA	97599	X	57	----	10	65	1	379.30 EA
* L8660	112.40 EA	97600	X	57	----	5	5	1	140.50 EA
* L8661	144.40 EA	97602	X	57	----	5	12	1	180.50 EA
* L8662	187.40 EA	97605	X	57	----	5	20	1	234.20 EA
* L8663	251.90 EA	97609	X	57	----	5	39	1	314.80 EA
* L8664	337.10 EA	97611	X	57	----	5	68	1	421.30 EA
* L8665	474.70 EA	97613	X	57	----	5	112	1	593.30 EA
* L8671	36.50 EA	97616	X	57	----	50	54	10	45.60 EA
* L8672	40.70 EA	97625	X	57	----	10	3	1	50.80 EA
* L8673	44.30 EA	97627	X	57	----	10	5	1	55.30 EA
* L8674	48.50 EA	97629	X	57	----	10	6	1	60.60 EA
* L8675	53.10 EA	97631	X	57	----	10	8	1	66.30 EA
* L8676	57.40 EA	97632	X	57	----	10	12	1	71.70 EA
* L8677	65.90 EA	97633	X	57	----	10	12	1	82.30 EA
* L8678	78.00 EA	97634	X	57	----	10	16	1	97.50 EA
* L8679	87.20 EA	97635	X	57	----	10	16	1	109.00 EA
* L8681	42.30 EA	97641	X	57	----	10	3	1	52.80 EA
* L8682	46.00 EA	97642	X	57	----	10	4	1	57.50 EA
* L8683	51.80 EA	97643	X	57	----	10	5	1	64.70 EA
* L8684	65.30 EA	97644	X	57	----	10	1	1	81.60 EA
* L8685	72.70 EA	97646	X	57	----	10	6	1	90.80 EA
* L8686	85.00 EA	97647	X	57	----	10	7	1	106.20 EA
* L8687	97.40 EA	97648	X	57	----	10	9	1	121.70 EA
* L8688	102.00 EA	97649	X	57	----	10	1	1	127.50 EA
* L8691	44.40 EA	97650	X	57	----	10	4	1	55.50 EA
* L8692	46.40 EA	97651	X	57	----	10	4	1	58.00 EA
* L8693	48.80 EA	97652	X	57	----	10	4	1	61.00 EA
* L8694	53.80 EA	97653	X	57	----	10	5	1	67.20 EA
* L8695	59.90 EA	97654	X	57	----	10	7	1	74.80 EA
* L8696	65.20 EA	97655	X	57	----	10	6	1	81.50 EA
* L8697	75.70 EA	97656	X	57	----	10	7	1	94.60 EA
* L8698	88.00 EA	97657	X	57	----	10	9	1	110.00 EA
* L8699	93.80 EA	97658	X	57	----	10	9	1	117.20 EA
* L8701	55.20 EA	97659	X	57	----	10	3	1	69.00 EA
* L8702	57.10 EA	97660	X	57	----	10	3	1	71.30 EA
* L8703	61.30 EA	97661	X	57	----	10	4	1	76.60 EA
* L8704	66.20 EA	97662	X	57	----	10	4	1	82.70 EA
* L8705	77.50 EA	97663	X	57	----	10	9	1	96.80 EA
* L8706	87.20 EA	97664	X	57	----	10	10	1	109.00 EA
* L8707	105.80 EA	97665	X	57	----	10	11	1	132.20 EA
* L8708	118.00 EA	97666	X	57	----	10	1	1	147.50 EA
* L8711	24.70 EA	97261	X	57	----	10	2	1	30.80 EA
* L8712	25.70 EA	97262	X	57	----	10	3	1	32.10 EA
* L8713	27.50 EA	97263	X	57	----	10	3	1	34.30 EA
* L8714	30.10 EA	97264	X	57	----	10	4	1	37.60 EA
* L8715	33.40 EA	97265	X	57	----	10	6	1	41.70 EA
* L8716	36.50 EA	97266	X	57	----	10	6	1	45.60 EA
* L8717	39.30 EA	97267	X	57	----	10	8	1	49.10 EA
* L8718	42.40 EA	97268	X	57	----	10	14	1	53.00 EA
* L8719	48.10 EA	97269	X	57	----	10	14	1	60.10 EA
* L8721	56.70 EA	97270	X	57	----	10	23	1	70.80 EA
* L8722	63.50 EA	97271	X	57	----	10	13	1	79.30 EA
* L8801	59.50 EA	97272	X	57	----	10	2	1	74.30 EA
* L8802	60.50 EA	97273	X	57	----	10	3	1	75.60 EA
* L8803	76.20 EA	97274	X	57	----	10	4	1	95.20 EA
* L8804	78.90 EA	97275	X	57	----	10	3	1	98.60 EA
* L8805	100.30 EA	97276	X	57	----	10	5	1	125.30 EA
* L8806	DISCONTINUED								
* L8807	8.90 EA	97278	X	57	----	10	5	1	11.10 EA
* L8808	10.30 EA	97279	X	57	----	10	5	1	12.80 EA
* L8809	10.70 EA	97280	X	57	----	10	5	1	13.30 EA
* L8811	11.20 EA	97282	X	57	----	10	5	1	14.00 EA
* L8812	11.30 EA	97284	X	57	----	10	3	1	14.10 EA
* L8813	14.90 EA	97286	X	57	----	10	2	1	18.60 EA
* L8814	14.90 EA	97287	X	57	----	10	2	1	18.60 EA
* L8815	14.90 EA	97289	X	57	----	10	5	1	18.60 EA
* L8816	14.70 EA	97290	X	57	----	10	5	1	18.30 EA
* L8817	14.90 EA	97291	X	57	----	10	2	1	18.60 EA
* L8818	16.30 EA	97292	X	57	----	10	2	1	20.30 EA
* L8819	16.30 EA	97293	X	57	----	10	1	1	20.30 EA
* L8821	20.20 EA	97294	X	57	----	10	2	1	25.20 EA
* L8822	20.60 EA	97295	X	57	----	10	2	1	25.70 EA
* L8823	11.70 EA	97296	X	57	----	10	2	1	14.60 EA
* L8824	34.20 EA	97297	X	57	----	10	2	1	42.70 EA
* L8825	11.70 EA	97298	X	57	----	10	2	1	14.60 EA
* L8826	12.20 EA	97299	X	57	----	10	1	1	15.20 EA
* L8827	12.20 EA	97300	X	57	----	10	2	1	15.20 EA
* L8828	15.50 EA	97301	X	57	----	10	2	1	19.30 EA
* L8829	16.00 EA	97303	X	57	----	10	2	1	20.00 EA
* L9501	14.20 EA	97065	X	57	----	50	6	10	17.70 EA
* L9502	15.50 EA	97066	X	57	----	50	7	10	19.30 EA
* L9503	17.80 EA	97067	X	57	----	50	9	10	22.20 EA
* L9504	20.10 EA	97068	X	57	----	50	13	10	25.10 EA
* L9505	21.30 EA	97069	X	57	----	50	73	10	26.60 EA
* L9506	23.40 EA	97070	X	57	----	50	19	10	29.20 EA
* L9507	32.50 EA	97071	X	57	----	10	7	1	40.60 EA
* L9508	38.40 EA	97072	X	57	----	10	9	1	48.00 EA
* L9509	44.00 EA	97073	X	57	----	10	11	1	55.00 EA
* L9511	67.50 EA	97074	X	57	----	10	14	1	84.30 EA
* L9512	71.70 EA	97075	X	57	----	10	17	1	89.60 EA
* L9515	13.90 EA	97049	X	57	----	50	6	10	17.30 EA
* L9516	15.20 EA	97050	X	57	----	50	8	10	19.00 EA
* L9517	16.70 EA	97051	X	57	----	10	2	1	20.80 EA
* L9518	19.70 EA	97054	X	57	----	10	3	1	24.60 EA
* L9519	21.20 EA	97056	X	57	----	10	4	1	26.50 EA
* L9521	23.00 EA	97060	X	57	----	10	5	1	28.70 EA
* L9523	31.00 EA	97058	X	57	----	10	5	1	38.70 EA
* L9524	35.70 EA	97061	X	57	----	10	8	1	44.60 EA
* L9525	39.10 EA	97062	X	57	----	10	9	1	48.80 EA
* L9526	49.50 EA	97063	X	57	----	10	13	1	61.80 EA
* L9527	65.70 EA	97064	X	57	----	10	1	1	82.10 EA
* L9531	12.50 EA	97076	X	57	----	10	2	1	15.60 EA
* L9532	13.90 EA	97077	X	57	----	50	6	10	17.30 EA
L9533	14.20 EA	97078	X	57	----	50	8	10	17.70 EA
* L9534	16.30 EA	97079	X	57	----	10	7	1	20.30 EA
* L9535	18.10 EA	97080	X	57	----	10	4	1	22.60 EA
* L9536	21.70 EA	97081	X	57	----	10	4	1	27.10 EA
* L9537	26.60 EA	97082	X	57	----	10	5	1	33.20 EA
* L9538	31.60 EA	97083	X	57	----	10	7	1	39.50 EA
* L9539	38.10 EA	97084	X	57	----	10	10	1	47.60 EA
* L9541	48.10 EA	97085	X	57	----	10	12	1	60.10 EA
* L9542	54.70 EA	97086	X	57	----	10	15	1	68.30 EA
* L9551	14.20 EA	97087	X	57	----	10	2	1	17.70 EA
* L9552	17.10 EA	97088	X	57	----	10	3	1	21.30 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
L9553	19.50 EA	97089	X	57	----	10	4	1	24.30 EA
L9554	23.60 EA	97090	X	57	----	10	4	1	29.50 EA
L9555	25.80 EA	97091	X	57	----	10	5	1	32.20 EA
L9556	29.40 EA	97092	X	57	----	10	5	1	36.70 EA
L9557	36.70 EA	97093	X	57	----	10	8	1	45.80 EA
L9558	42.20 EA	97094	X	57	----	10	9	1	52.70 EA
L9559	49.00 EA	97095	X	57	----	10	10	1	61.20 EA
L9561	63.00 EA	97096	X	57	----	10	1	1	78.70 EA
L9562	73.50 EA	97097	X	57	----	10	1	1	91.80 EA
L9571	16.20 EA	97109	X	57	----	10	2	1	20.20 EA
L9572	18.40 EA	97110	X	57	----	10	2	1	23.00 EA
L9573	18.70 EA	97111	X	57	----	10	3	1	23.30 EA
L9574	21.70 EA	97112	X	57	----	10	5	1	27.10 EA
L9575	22.70 EA	97113	X	57	----	10	5	1	28.30 EA
L9576	24.80 EA	97114	X	57	----	10	6	1	31.00 EA
L9577	36.70 EA	97115	X	57	----	10	9	1	45.80 EA
L9578	42.30 EA	97116	X	57	----	10	10	1	52.80 EA
L9579	46.50 EA	97117	X	57	----	10	11	1	58.10 EA
L9581	68.60 EA	97118	X	57	----	10	18	1	85.70 EA
L9582	73.30 EA	97120	X	57	----	10	18	1	91.60 EA
L9585	15.90 EA	97098	X	57	----	10	2	1	19.80 EA
L9586	19.70 EA	97099	X	57	----	10	2	1	24.60 EA
L9587	21.20 EA	97100	X	57	----	10	3	1	26.50 EA
L9588	22.70 EA	97101	X	57	----	10	5	1	28.30 EA
L9589	22.90 EA	97102	X	57	----	10	4	1	28.60 EA
L9591	24.80 EA	97103	X	57	----	10	5	1	31.00 EA
L9592	31.70 EA	97104	X	57	----	10	6	1	39.60 EA
L9593	37.40 EA	97105	X	57	----	10	10	1	46.70 EA
L9594	44.40 EA	97106	X	57	----	10	9	1	55.50 EA
L9595	59.90 EA	97107	X	57	----	10	15	1	74.80 EA
L9596	62.60 EA	97108	X	57	----	10	15	1	78.20 EA
L9601	15.50 EA	97121	X	57	----	10	2	1	19.30 EA
L9602	19.70 EA	97122	X	57	----	10	2	1	24.60 EA
L9603	20.60 EA	97124	X	57	----	10	1	1	25.70 EA
L9604	20.80 EA	97126	X	57	----	10	4	1	26.00 EA
L9605	22.70 EA	97127	X	57	----	10	5	1	28.30 EA
L9606	23.60 EA	97130	X	57	----	10	4	1	29.50 EA
L9607	31.90 EA	97135	X	57	----	10	5	1	39.80 EA
L9608	37.40 EA	97136	X	57	----	10	10	1	46.70 EA
L9609	45.70 EA	97137	X	57	----	10	10	1	57.10 EA
L9611	61.10 EA	97138	X	57	----	10	8	1	76.30 EA
L9612	70.60 EA	97139	X	57	----	10	17	1	88.20 EA
L9621	18.40 EA	97140	X	57	----	10	3	1	23.00 EA
L9622	21.20 EA	97141	X	57	----	10	3	1	26.50 EA
L9623	22.90 EA	97142	X	57	----	10	3	1	28.60 EA
L9624	25.00 EA	97143	X	57	----	10	4	1	31.20 EA
L9625	26.80 EA	97144	X	57	----	10	5	1	33.50 EA
L9626	31.70 EA	97145	X	57	----	10	4	1	39.60 EA
L9627	38.30 EA	97146	X	57	----	10	6	1	47.80 EA
L9628	44.80 EA	97147	X	57	----	10	6	1	56.00 EA
L9629	55.10 EA	97148	X	57	----	10	9	1	68.80 EA
L9631	19.50 EA	97163	X	57	----	10	2	1	24.30 EA
L9632	20.60 EA	97164	X	57	----	10	2	1	25.70 EA
L9633	22.70 EA	97165	X	57	----	10	3	1	28.30 EA
L9634	24.20 EA	97166	X	57	----	10	5	1	30.20 EA
L9635	26.50 EA	97167	X	57	----	10	5	1	33.10 EA
L9636	29.50 EA	97168	X	57	----	10	6	1	36.80 EA
L9637	38.60 EA	97170	X	57	----	10	9	1	48.20 EA
L9638	44.00 EA	97861	X	57	----	10	12	1	55.00 EA
L9639	49.90 EA	97171	X	57	----	10	14	1	62.30 EA
L9641	68.00 EA	97172	X	57	----	10	19	1	85.00 EA
L9642	78.90 EA	97173	X	57	----	10	22	1	98.60 EA
L9651	19.70 EA	97149	X	57	----	10	3	1	24.60 EA
L9652	20.40 EA	97151	X	57	----	10	3	1	25.50 EA
L9653	21.70 EA	97153	X	57	----	10	3	1	27.10 EA
L9654	23.80 EA	97154	X	57	----	10	4	1	29.70 EA
L9655	26.50 EA	97155	X	57	----	10	5	1	33.10 EA
L9656	29.80 EA	97156	X	57	----	10	5	1	37.20 EA
L9657	35.90 EA	97157	X	57	----	10	7	1	44.80 EA
L9658	40.90 EA	97158	X	57	----	10	12	1	51.10 EA
L9659	45.10 EA	97159	X	57	----	10	13	1	56.30 EA
L9661	55.10 EA	97160	X	57	----	10	17	1	68.80 EA
L9662	60.90 EA	97161	X	57	----	10	17	1	76.10 EA
L9671	17.10 EA	97175	X	57	----	10	2	1	21.30 EA
L9672	18.30 EA	97176	X	57	----	10	3	1	22.80 EA
L9673	19.70 EA	97177	X	57	----	10	3	1	24.60 EA
L9674	21.60 EA	97178	X	57	----	10	4	1	27.00 EA
L9675	22.40 EA	97179	X	57	----	10	5	1	28.00 EA
L9676	24.20 EA	97180	X	57	----	10	5	1	30.20 EA
L9677	29.80 EA	97182	X	57	----	10	5	1	37.20 EA
L9678	29.70 EA	97183	X	57	----	10	11	1	37.10 EA
L9679	41.80 EA	97184	X	57	----	10	12	1	52.20 EA
L9681	62.60 EA	97185	X	57	----	10	16	1	78.20 EA
L9682	67.20 EA	97186	X	57	----	10	18	1	84.00 EA
L9688	22.70 EA	97189	X	57	----	10	3	1	28.30 EA
L9689	25.00 EA	97191	X	57	----	10	3	1	31.20 EA
L9691	26.80 EA	97192	X	57	----	10	3	1	33.50 EA
L9692	32.20 EA	97193	X	57	----	10	4	1	40.20 EA
L9693	34.20 EA	97194	X	57	----	10	6	1	42.70 EA
L9694	38.30 EA	97195	X	57	----	10	7	1	47.80 EA
L9695	44.20 EA	97196	X	57	----	10	8	1	55.20 EA
L9696	48.20 EA	97128	X	57	----	10	12	1	60.20 EA
L9697	57.00 EA	97198	X	57	----	10	11	1	71.20 EA
L9698	79.80 EA	97199	X	57	----	10	17	1	99.70 EA
L9699	88.60 EA	97200	X	57	----	10	20	1	110.70 EA
L9701	47.80 EA	97218	X	57	----	10	8	1	59.70 EA
L9702	53.30 EA	97220	X	57	----	10	12	1	66.60 EA
L9702-SS	56.60 EA	01864	C	57	----	10	10	1	113.20 EA
L9703	57.90 EA	97222	X	57	----	10	6	1	72.30 EA
L9704	63.50 EA	97223	X	57	----	10	12	1	79.30 EA
L9711	47.60 EA	97202	X	57	----	10	8	1	59.50 EA
L9712	55.90 EA	97205	X	57	----	10	12	1	69.80 EA
L9713	54.50 EA	97207	X	57	----	10	13	1	68.10 EA
L9714	63.80 EA	97208	X	57	----	10	13	1	79.70 EA
L9715	98.80 EA	97209	X	57	----	10	26	1	123.50 EA
L9716	113.20 EA	97213	X	57	----	10	26	1	141.50 EA
L9717	170.90 EA	97214	X	57	----	10	3	1	213.60 EA
L9718	171.30 EA	97215	X	57	----	10	45	1	214.10 EA
L9719	195.80 EA	97216	X	57	----	10	46	1	244.70 EA
L9722	56.90 EA	97246	X	57	----	10	9	1	71.10 EA
L9723	63.70 EA	97248	X	57	----	10	14	1	79.60 EA
L9724	66.10 EA	97250	X	57	----	10	14	1	82.60 EA
L9725	73.20 EA	97251	X	57	----	10	14	1	91.50 EA
L9731	54.00 EA	97226	X	57	----	10	9	1	67.50 EA
L9732	56.90 EA	97227	X	57	----	10	14	1	71.10 EA
L9733	60.50 EA	97229	X	57	----	10	14	1	75.60 EA
L9734	71.40 EA	97231	X	57	----	10	15	1	89.20 EA
L9735	101.60 EA	97233	X	57	----	10	4	1	127.00 EA
L9736	122.50 EA	97239	X	57	----	10	4	1	153.10 EA
L9737	156.00 EA	97240	X	57	----	10	35	1	195.00 EA
L9738	178.50 EA	97242	X	57	----	10	46	1	223.10 EA
L9739	201.80 EA	97244	X	57	----	10	48	1	252.20 EA
MCI10-1LA	69.00 EA	02955	X	22	----	5	2	1	86.20 EA
MCI10-1LJ	69.00 EA	02953	X	22	----	5	2	1	86.20 EA
MCI10-1LW	69.00 EA	02954	X	22	----	5	2	1	86.20 EA
MCM10-1LA	74.50 EA	02702	X	22	----	5	2	1	93.10 EA
MCM10-1LJ	74.50 EA	02700	X	22	----	5	2	1	93.10 EA
MCM10-1LW	74.50 EA	02701	X	22	----	5	2	1	93.10 EA
MCX10-1LA	80.70 EA	03540	X	22	----	5	2	1	100.80 EA
MCX10-1LJ	80.70 EA	03538	X	22	----	5	2	1	100.80 EA
MCX10-1LW	80.70 EA	03539	X	22	----	5	2	1	100.80 EA
MDI06-MLJ	239.00 EA	05613	X	22	----	5	5	1	298.70 EA
MDI06-MLW	239.00 EA	05614	X	22	----	5	5	1	298.70 EA
MDI06-1LA	23.90 EA	00332	X	22	----	5	2	1	29.80 EA
MDI06-1LJ	23.90 EA	00331	X	22	----	5	2	1	29.80 EA
MDI06-1LW	23.90 EA	00330	X	22	----	5	2	1	29.80 EA
MDI10-1LA	49.70 EA	00338	X	22	----	5	2	1	62.10 EA
MDI10-1LJ	49.70 EA	00337	X	22	----	5	2	1	62.10 EA
MDI10-1LW	49.70 EA	00336	X	22	----	5	2	1	62.10 EA
MDM06-1LA	34.40 EA	00335	X	22	----	5	2	1	43.00 EA

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
MDM06-1LI	34.40 EA	00334	X	22	----	5	2	1	43.00 EA
MDM06-1LW	34.40 EA	00333	X	22	----	5	2	1	43.00 EA
MDM10-1LA	56.40 EA	00341	X	22	----	5	2	1	70.50 EA
MDM10-1LI	56.40 EA	00339	X	22	----	5	2	1	70.50 EA
MDM10-1LW	56.40 EA	00340	X	22	----	5	2	1	70.50 EA
MLI06-1LA	26.40 EA	02867	X	22	----	5	2	1	33.00 EA
MLI06-1LI	26.40 EA	02865	X	22	----	5	2	1	33.00 EA
MLI06-1LW	26.40 EA	02866	X	22	----	5	2	1	33.00 EA
MLI10-1LA	53.10 EA	02915	X	22	----	5	2	1	66.30 EA
MLI10-1LI	53.10 EA	02914	X	22	----	5	2	1	66.30 EA
MLI10-1LW	53.10 EA	02913	X	22	----	5	2	1	66.30 EA
MLM06-1LA	35.30 EA	02905	X	22	----	5	2	1	44.10 EA
MLM06-1LI	35.30 EA	02903	X	22	----	5	2	1	44.10 EA
MLM06-1LW	35.30 EA	02904	X	22	----	5	2	1	44.10 EA
MLM10-1LA	59.20 EA	02918	X	22	----	5	2	1	74.00 EA
MLM10-1LI	59.20 EA	02916	X	22	----	5	2	1	74.00 EA
MLM10-1LW	59.20 EA	02917	X	22	----	5	2	1	74.00 EA
MLX06-1LA	47.20 EA	02909	X	22	----	5	1	1	59.00 EA
MLX06-1LI	47.20 EA	02907	X	22	----	5	1	1	59.00 EA
MLX06-1LW	47.20 EA	02908	X	22	----	5	1	1	59.00 EA
ML1-AC	721.00	98726	B	56	----	20	2	10	1,201.10
ML1-AP	618.00	98714	B	56	----	20	2	10	1,029.50
ML1-C	576.80	98725	B	56	----	20	2	10	960.90
ML1-MB	669.50	98715	B	56	----	20	2	10	1,115.30
ML1-MER	721.00	98727	B	56	----	20	2	10	1,201.10
ML1-P	566.50	98711	B	56	----	20	2	10	943.70
ML1-PB	618.00	98716	B	56	----	20	2	10	1,029.50
ML1-PER	721.00	98728	B	56	----	20	2	10	1,201.10
ML2-AC	1,030.00	98730	B	56	----	20	2	10	1,715.90
ML2-AP	782.80	98718	B	56	----	20	2	10	1,304.10
ML2-C	916.70	98729	B	56	----	20	3	10	1,527.20
ML2-MB	793.10	98719	B	56	----	20	2	10	1,321.30
ML2-MER	957.90	98731	B	56	----	20	3	10	1,595.80
ML2-P	721.00	98717	B	56	----	20	3	10	1,201.10
ML2-PB	618.00	98720	B	56	----	20	2	10	1,029.50
ML2-PER	721.00	98732	B	56	----	20	2	10	1,201.10
ML3-AC	1,236.00	98735	B	56	----	20	2	10	2,059.10
ML3-AP	978.50	98722	B	56	----	20	2	10	1,630.10
ML3-C	947.60	98734	B	56	----	20	3	10	1,578.70
ML3-MB	885.80	98723	B	56	----	20	2	10	1,475.70
ML3-MER	1,081.50	98736	B	56	----	20	2	10	1,801.70
ML3-P	721.00	98721	B	56	----	20	3	10	1,201.10
ML3-PB	721.00	98724	B	56	----	20	2	10	1,201.10
ML3-PER	824.00	98737	B	56	----	20	2	10	1,372.70
MNF07-1LA	74.20 EA	04248	X	22	----	10	7	1	92.70 EA
MNF07-1LE	74.20 EA	04250	X	22	----	10	7	1	92.70 EA
MNF07-1LG	74.20 EA	04249	X	22	----	10	7	1	92.70 EA
MNF07-1LI	74.20 EA	04246	X	22	----	10	7	1	92.70 EA
MNF07-1LW	74.20 EA	04247	X	22	----	10	7	1	92.70 EA
MNF10-1LA	100.10 EA	04253	X	22	----	10	9	1	125.10 EA
MNF10-1LE	100.10 EA	04255	X	22	----	10	9	1	125.10 EA
MNF10-1LG	100.10 EA	04254	X	22	----	10	9	1	125.10 EA
MNF10-1LI	100.10 EA	04251	X	22	----	10	9	1	125.10 EA
MNF10-1LW	100.10 EA	04252	X	22	----	10	9	1	125.10 EA
MNI06-1LA	49.40 EA	01563	X	22	----	10	7	1	61.70 EA
MNI06-1LE	49.40 EA	01565	X	22	----	10	7	1	61.70 EA
MNI06-1LG	49.40 EA	04169	X	22	----	10	7	1	61.70 EA
MNI06-1LI	49.40 EA	04153	X	22	----	10	7	1	61.70 EA
MNI06-1LW	49.40 EA	04080	X	22	----	10	7	1	61.70 EA
MNI10-1LA	86.50 EA	04172	X	22	----	10	7	1	108.10 EA
MNI10-1LE	86.50 EA	04174	X	22	----	10	7	1	108.10 EA
MNI10-1LG	86.50 EA	04173	X	22	----	10	7	1	108.10 EA
MNI10-1LI	86.50 EA	04171	X	22	----	10	7	1	108.10 EA
MNI10-1LW	86.50 EA	04085	X	22	----	10	7	1	108.10 EA
MNI15-1LA	149.60 EA	04176	X	22	----	10	9	1	187.00 EA
MNI15-1LE	149.60 EA	04178	X	22	----	10	9	1	187.00 EA
MNI15-1LG	149.60 EA	04177	X	22	----	10	9	1	187.00 EA
MNI15-1LI	149.60 EA	04175	X	22	----	10	9	1	187.00 EA
MNI15-1LW	149.60 EA	04086	X	22	----	10	9	1	187.00 EA
MNK0R-A	1.60 EA	03346	X	22	----	50	2	10	2.00 EA
MNK0R-E	1.60 EA	03348	X	22	----	50	2	10	2.00 EA
MNK0R-G	1.60 EA	03347	X	22	----	50	2	10	2.00 EA
MNK0R-I	1.60 EA	03343	X	22	----	50	2	10	2.00 EA
MNK0R-W	1.60 EA	03345	X	22	----	50	2	10	2.00 EA
MNM06-1LA	84.40 EA	04180	X	22	----	10	7	1	105.50 EA
MNM06-1LE	84.40 EA	04182	X	22	----	10	7	1	105.50 EA
MNM06-1LG	84.40 EA	04181	X	22	----	10	7	1	105.50 EA
MNM06-1LI	84.40 EA	04179	X	22	----	10	7	1	105.50 EA
MNM06-1LW	84.40 EA	04087	X	22	----	10	7	1	105.50 EA
MNM10-1LA	107.90 EA	04184	X	22	----	10	7	1	134.80 EA
MNM10-1LE	107.90 EA	04186	X	22	----	10	7	1	134.80 EA
MNM10-1LG	107.90 EA	04185	X	22	----	10	7	1	134.80 EA
MNM10-1LI	107.90 EA	04183	X	22	----	10	7	1	134.80 EA
MNM10-1LW	107.90 EA	04088	X	22	----	10	7	1	134.80 EA
MNM15-1LA	186.10 EA	04188	X	22	----	10	9	1	232.60 EA
MNM15-1LE	186.10 EA	04190	X	22	----	10	9	1	232.60 EA
MNM15-1LG	186.10 EA	04189	X	22	----	10	9	1	232.60 EA
MNM15-1LI	186.10 EA	04187	X	22	----	10	9	1	232.60 EA
MNM15-1LW	186.10 EA	04090	X	22	----	10	9	1	232.60 EA
MNW01-A	5.30 EA	01670	X	22	----	1	1	----	6.60 EA
MNW01-B	5.30 EA	04002	X	22	----	1	1	----	6.60 EA
MNW01-E	5.30 EA	01672	X	22	----	1	1	----	6.60 EA
MNW01-G	5.30 EA	01671	X	22	----	1	1	----	6.60 EA
MNW01-I	5.30 EA	01669	X	22	----	1	1	----	6.60 EA
MNW01-W	5.30 EA	01668	X	22	----	1	1	----	6.60 EA
MNW02-A	24.70 EA	01699	X	22	----	1	1	----	30.80 EA
MNW02-E	24.70 EA	01701	X	22	----	1	1	----	30.80 EA
MNW02-FBA	24.70 EA	02135	X	22	----	1	1	----	30.80 EA
MNW02-FBE	24.70 EA	02137	X	22	----	1	1	----	30.80 EA
MNW02-FBG	24.70 EA	02136	X	22	----	1	1	----	30.80 EA
MNW02-FBI	24.70 EA	02133	X	22	----	1	1	----	30.80 EA
MNW02-FBW	24.70 EA	02134	X	22	----	1	1	----	30.80 EA
MNW02-G	24.70 EA	01700	X	22	----	1	1	----	30.80 EA
MNW02-I	24.70 EA	01697	X	22	----	1	1	----	30.80 EA
MNW02-W	24.70 EA	01698	X	22	----	1	1	----	30.80 EA
MNW03-A	30.90 EA	01714	X	22	----	1	1	----	38.60 EA
MNW03-E	30.90 EA	01716	X	22	----	1	1	----	38.60 EA
MNW03-FBA	30.90 EA	01719	X	22	----	1	1	----	38.60 EA
MNW03-FBE	30.90 EA	01721	X	22	----	1	1	----	38.60 EA
MNW03-FBG	30.90 EA	01720	X	22	----	1	1	----	38.60 EA
MNW03-FBI	30.90 EA	01717	X	22	----	1	1	----	38.60 EA
MNW03-FBW	30.90 EA	01718	X	22	----	1	1	----	38.60 EA
MNW03-G	30.90 EA	01715	X	22	----	1	1	----	38.60 EA
MNW03-I	30.90 EA	01712	X	22	----	1	1	----	38.60 EA
MNW03-W	30.90 EA	01713	X	22	----	1	1	----	38.60 EA
MNW04-A	43.30 EA	01729	X	22	----	1	1	----	54.10 EA
MNW04-E	43.30 EA	01735	X	22	----	1	1	----	54.10 EA
MNW04-FBA	43.30 EA	01733	X	22	----	1	1	----	54.10 EA
MNW04-FBE	43.30 EA	01736	X	22	----	1	1	----	54.10 EA
MNW04-FBG	43.30 EA	01734	X	22	----	1	1	----	54.10 EA
MNW04-FBI	43.30 EA	01731	X	22	----	1	1	----	54.10 EA
MNW04-FBW	43.30 EA	01732	X	22	----	1	1	----	54.10 EA
MNW04-G	43.30 EA	01730	X	22	----	1	1	----	54.10 EA
MNW04-I	43.30 EA	01727	X	22	----	1	1	----	54.10 EA
MNW04-W	43.30 EA	01728	X	22	----	1	1	----	54.10 EA
MNW05-FBA	82.10 EA	02210	X	22	----	0		1	102.60 EA
MNW05-FBE	82.10 EA	02212	X	22	----	1	1	----	102.60 EA
MNW05-FBG	82.10 EA	02211	X	22	----	1	1	----	102.60 EA
MNW05-FBI	82.10 EA	02208	X	22	----	0		1	102.60 EA
MNW05-FBW	82.10 EA	02209	X	22	----	1	1	----	102.60 EA
MNW10-A	5.30 EA	01665	X	22	----	1	1	----	6.60 EA
MNW10-E	5.30 EA	01667	X	22	----	1	1	----	6.60 EA
MNW10-G	5.30 EA	01666	X	22	----	1	1	----	6.60 EA
MNW10-I	5.30 EA	01664	X	22	----	1	1	----	6.60 EA
MNW10-W	5.30 EA	01663	X	22	----	1	1	----	6.60 EA
MNW11-A	24.70 EA	01680	X	22	----	1	1	----	30.80 EA
MNW11-E	24.70 EA	01682	X	22	----	1	1	----	30.80 EA
MNW11-FBA	24.70 EA	02092	X	22	----	0	1	1	30.80 EA
MNW11-FBE	24.70 EA	02094	X	22	----	1	1	----	30.80 EA
MNW11-FBG	24.70 EA	02093	X	22	----	1	1	----	30.80 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
MNW11-FBI	24.70 EA	02090	X	22	----	0	1	1	30.80 EA
MNW11-FBW	24.70 EA	02091	X	22	----	1	1	----	30.80 EA
MNW11-G	24.70 EA	01681	X	22	----	1	1	----	30.80 EA
MNW11-I	24.70 EA	01678	X	22	----	1	1	----	30.80 EA
MNW11-W	24.70 EA	01679	X	22	----	1	1	----	30.80 EA
MNW12-A	30.90 EA	01964	X	22	----	0	1	1	38.60 EA
MNW12-E	30.90 EA	01966	X	22	----	1	1	----	38.60 EA
MNW12-FBA	30.90 EA	02140	X	22	----	0		1	38.60 EA
MNW12-FBE	30.90 EA	02142	X	22	----	1	1	----	38.60 EA
MNW12-FBG	30.90 EA	02141	X	22	----	1	1	----	38.60 EA
MNW12-FBI	30.90 EA	02138	X	22	----	0		1	38.60 EA
MNW12-FBW	30.90 EA	02139	X	22	----	1	1	----	38.60 EA
MNW12-G	30.90 EA	01965	X	22	----	1	1	----	38.60 EA
MNW12-I	30.90 EA	01962	X	22	----	0	1	1	38.60 EA
MNW12-W	30.90 EA	01963	X	22	----	1	1	----	38.60 EA
MNW13-A	43.30 EA	01970	X	22	----	0	1	1	54.10 EA
MNW13-E	43.30 EA	01972	X	22	----	1	1	----	54.10 EA
MNW13-FBA	43.30 EA	02180	X	22	----	0		1	54.10 EA
MNW13-FBE	43.30 EA	02182	X	22	----	1	1	----	54.10 EA
MNW13-FBG	43.30 EA	02181	X	22	----	1	1	----	54.10 EA
MNW13-FBI	43.30 EA	02178	X	22	----	0		1	54.10 EA
MNW13-FBW	43.30 EA	02179	X	22	----	1	1	----	54.10 EA
MNW13-G	43.30 EA	01971	X	22	----	1	1	----	54.10 EA
MNW13-I	43.30 EA	01968	X	22	----	0	1	1	54.10 EA
MNW13-W	43.30 EA	01969	X	22	----	1	1	----	54.10 EA
MNW14-FBA	82.10 EA	02200	X	22	----	0	1	1	102.60 EA
MNW14-FBE	82.10 EA	02202	X	22	----	1	1	----	102.60 EA
MNW14-FBG	82.10 EA	02201	X	22	----	1	1	----	102.60 EA
MNW14-FBI	82.10 EA	02198	X	22	----	0	1	1	102.60 EA
MNW14-FBW	82.10 EA	02199	X	22	----	1	1	----	102.60 EA
MNW20-A	24.70 EA	01880	X	22	----	1	1	----	30.80 EA
MNW20-E	24.70 EA	01882	X	22	----	1	1	----	30.80 EA
MNW20-FBA	24.70 EA	01739	X	22	----	1	1	----	30.80 EA
MNW20-FBE	24.70 EA	01741	X	22	----	1	1	----	30.80 EA
MNW20-FBG	24.70 EA	01740	X	22	----	1	1	----	30.80 EA
MNW20-FBI	24.70 EA	01737	X	22	----	1	1	----	30.80 EA
MNW20-FBW	24.70 EA	01738	X	22	----	1	1	----	30.80 EA
MNW20-G	24.70 EA	01881	X	22	----	1	1	----	30.80 EA
MNW20-I	24.70 EA	01879	X	22	----	1	1	----	30.80 EA
MNW20-W	24.70 EA	01878	X	22	----	1	1	----	30.80 EA
MNW21-A	30.90 EA	01704	X	22	----	1	1	----	38.60 EA
MNW21-E	30.90 EA	01706	X	22	----	1	1	----	38.60 EA
MNW21-FBA	30.90 EA	02097	X	22	----	0		1	38.60 EA
MNW21-FBE	30.90 EA	02099	X	22	----	1	1	----	38.60 EA
MNW21-FBG	30.90 EA	02098	X	22	----	1	1	----	38.60 EA
MNW21-FBI	30.90 EA	02095	X	22	----	0		1	38.60 EA
MNW21-FBW	30.90 EA	02096	X	22	----	1	1	----	38.60 EA
MNW21-G	30.90 EA	01705	X	22	----	1	1	----	38.60 EA
MNW21-I	30.90 EA	01702	X	22	----	1	1	----	38.60 EA
MNW21-W	30.90 EA	01703	X	22	----	1	1	----	38.60 EA
MNW22-A	43.30 EA	01724	X	22	----	1	1	----	54.10 EA
MNW22-E	43.30 EA	01726	X	22	----	1	1	----	54.10 EA
MNW22-FBA	43.30 EA	02146	X	22	----	1		----	54.10 EA
MNW22-FBE	43.30 EA	02149	X	22	----	1	1	----	54.10 EA
MNW22-FBG	43.30 EA	02148	X	22	----	1	1	----	54.10 EA
MNW22-FBI	43.30 EA	02144	X	22	----	1		----	54.10 EA
MNW22-FBW	43.30 EA	02145	X	22	----	1	1	----	54.10 EA
MNW22-G	43.30 EA	01725	X	22	----	1	1	----	54.10 EA
MNW22-I	43.30 EA	01722	X	22	----	1	1	----	54.10 EA
MNW22-W	43.30 EA	01723	X	22	----	1	1	----	54.10 EA
MNW23-A	82.10 EA	01980	X	22	----	1	1	----	102.60 EA
MNW23-E	82.10 EA	01983	X	22	----	1	1	----	102.60 EA
MNW23-FBA	82.10 EA	02185	X	22	----	1		----	102.60 EA
MNW23-FBE	82.10 EA	02187	X	22	----	1	1	----	102.60 EA
MNW23-FBG	82.10 EA	02186	X	22	----	1	1	----	102.60 EA
MNW23-FBI	82.10 EA	02183	X	22	----	1		----	102.60 EA
MNW23-FBW	82.10 EA	02184	X	22	----	1	1	----	102.60 EA
MNW23-G	82.10 EA	01981	X	22	----	1	1	----	102.60 EA
MNW23-I	82.10 EA	01978	X	22	----	1	1	----	102.60 EA
MNW23-W	82.10 EA	01979	X	22	----	1	1	----	102.60 EA
MNW24-FBA	95.80 EA	02205	X	22	----	1		----	119.70 EA
MNW24-FBE	95.80 EA	02207	X	22	----	1	1	----	119.70 EA
MNW24-FBG	95.80 EA	02206	X	22	----	1	1	----	119.70 EA
MNW24-FBI	95.80 EA	02203	X	22	----	1		----	119.70 EA
MNW24-FBW	95.80 EA	02204	X	22	----	1	1	----	119.70 EA
MNW30-A	30.90 EA	01675	X	22	----	1	1	----	38.60 EA
MNW30-E	30.90 EA	01677	X	22	----	1	1	----	38.60 EA
MNW30-FBA	30.90 EA	01987	X	22	----	1	1	----	38.60 EA
MNW30-FBE	30.90 EA	01989	X	22	----	1	1	----	38.60 EA
MNW30-FBG	30.90 EA	01988	X	22	----	1	1	----	38.60 EA
MNW30-FBI	30.90 EA	01985	X	22	----	1	1	----	38.60 EA
MNW30-FBW	30.90 EA	01986	X	22	----	1	1	----	38.60 EA
MNW30-G	30.90 EA	01676	X	22	----	1	1	----	38.60 EA
MNW30-I	30.90 EA	01674	X	22	----	1	1	----	38.60 EA
MNW30-W	30.90 EA	01673	X	22	----	1	1	----	38.60 EA
MNW31-A	43.30 EA	01709	X	22	----	1	1	----	54.10 EA
MNW31-E	43.30 EA	01711	X	22	----	1	1	----	54.10 EA
MNW31-FBA	43.30 EA	02102	X	22	----	1		----	54.10 EA
MNW31-FBE	43.30 EA	02104	X	22	----	1	1	----	54.10 EA
MNW31-FBG	43.30 EA	02103	X	22	----	1	1	----	54.10 EA
MNW31-FBI	43.30 EA	02100	X	22	----	1		----	54.10 EA
MNW31-FBW	43.30 EA	02101	X	22	----	1	1	----	54.10 EA
MNW31-G	43.30 EA	01710	X	22	----	1	1	----	54.10 EA
MNW31-I	43.30 EA	01707	X	22	----	1	1	----	54.10 EA
MNW31-W	43.30 EA	01708	X	22	----	1	1	----	54.10 EA
MNW32-A	82.10 EA	01975	X	22	----	1	1	----	102.60 EA
MNW32-E	82.10 EA	01977	X	22	----	1	1	----	102.60 EA
MNW32-FBA	82.10 EA	02152	X	22	----	1		----	102.60 EA
MNW32-FBE	82.10 EA	02154	X	22	----	1	1	----	102.60 EA
MNW32-FBG	82.10 EA	02153	X	22	----	1	1	----	102.60 EA
MNW32-FBI	82.10 EA	02150	X	22	----	1		----	102.60 EA
MNW32-FBW	82.10 EA	02151	X	22	----	1	1	----	102.60 EA
MNW32-G	82.10 EA	01976	X	22	----	1	1	----	102.60 EA
MNW32-I	82.10 EA	01973	X	22	----	1	1	----	102.60 EA
MNW32-W	82.10 EA	01974	X	22	----	1	1	----	102.60 EA
MNW33-FBA	95.80 EA	02190	X	22	----	1		----	119.70 EA
MNW33-FBE	95.80 EA	02192	X	22	----	1	1	----	119.70 EA
MNW33-FBG	95.80 EA	02191	X	22	----	1	1	----	119.70 EA
MNW33-FBI	95.80 EA	02188	X	22	----	1		----	119.70 EA
MNW33-FBW	95.80 EA	02189	X	22	----	1	1	----	119.70 EA
MNW40-A	43.30 EA	01686	X	22	----	1	1	----	54.10 EA
MNW40-E	43.30 EA	01688	X	22	----	1	1	----	54.10 EA
MNW40-FBA	43.30 EA	01992	X	22	----	1	1	----	54.10 EA
MNW40-FBE	43.30 EA	01994	X	22	----	1	1	----	54.10 EA
MNW40-FBG	43.30 EA	01993	X	22	----	1	1	----	54.10 EA
MNW40-FBI	43.30 EA	01990	X	22	----	1	1	----	54.10 EA
MNW40-FBW	43.30 EA	01991	X	22	----	1	1	----	54.10 EA
MNW40-G	43.30 EA	01687	X	22	----	1	1	----	54.10 EA
MNW40-I	43.30 EA	01684	X	22	----	1	1	----	54.10 EA
MNW40-W	43.30 EA	01685	X	22	----	1	1	----	54.10 EA
MNW41-A	82.10 EA	01929	X	22	----	1	1	----	102.60 EA
MNW41-E	82.10 EA	01931	X	22	----	1	1	----	102.60 EA
MNW41-FBA	82.10 EA	02109	X	22	----	1		----	102.60 EA
MNW41-FBE	82.10 EA	02111	X	22	----	1	1	----	102.60 EA
MNW41-FBG	82.10 EA	02110	X	22	----	1	1	----	102.60 EA
MNW41-FBI	82.10 EA	02107	X	22	----	1	2	----	102.60 EA
MNW41-FBW	82.10 EA	02108	X	22	----	1	1	----	102.60 EA
MNW41-G	82.10 EA	01930	X	22	----	1	1	----	102.60 EA
MNW41-I	82.10 EA	01927	X	22	----	1	1	----	102.60 EA
MNW41-W	82.10 EA	01928	X	22	----	1	1	----	102.60 EA
MNW42-FBA	95.80 EA	02157	X	22	----	1		----	119.70 EA
MNW42-FBE	95.80 EA	02159	X	22	----	1	1	----	119.70 EA
MNW42-FBG	95.80 EA	02158	X	22	----	1	1	----	119.70 EA
MNW42-FBI	95.80 EA	02155	X	22	----	1		----	119.70 EA
MNW42-FBW	95.80 EA	02156	X	22	----	1	1	----	119.70 EA
MNW43-FBA	109.50 EA	02195	X	22	----	1		----	136.80 EA
MNW43-FBE	109.50 EA	02197	X	22	----	1	1	----	136.80 EA
MNW43-FBG	109.50 EA	02196	X	22	----	1	1	----	136.80 EA
MNW43-FBI	109.50 EA	02193	X	22	----	1		----	136.80 EA
MNW43-FBW	109.50 EA	02194	X	22	----	1	1	----	136.80 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
MNW50-A	82.10 EA	01893	X	22	----	1	1	----	102.60 EA
MNW50-E	82.10 EA	01895	X	22	----	1	1	----	102.60 EA
MNW50-FBA	82.10 EA	01997	X	22	----	1		----	102.60 EA
MNW50-FBE	82.10 EA	01999	X	22	----	1	1	----	102.60 EA
MNW50-FBG	82.10 EA	01998	X	22	----	1	1	----	102.60 EA
MNW50-FBI	82.10 EA	01995	X	22	----	0		1	102.60 EA
MNW50-FBW	82.10 EA	01996	X	22	----	1	1	----	102.60 EA
MNW50-G	82.10 EA	01894	X	22	----	1	1	----	102.60 EA
MNW50-I	82.10 EA	01891	X	22	----	0	1	1	102.60 EA
MNW50-W	82.10 EA	01892	X	22	----	1	1	----	102.60 EA
MNW51-A	95.80 EA	01944	X	22	----	1	1	----	119.70 EA
MNW51-E	95.80 EA	01947	X	22	----	1	1	----	119.70 EA
MNW51-FBA	95.80 EA	02114	X	22	----	1		----	119.70 EA
MNW51-FBE	95.80 EA	02116	X	22	----	1	1	----	119.70 EA
MNW51-FBG	95.80 EA	02115	X	22	----	1	1	----	119.70 EA
MNW51-FBI	95.80 EA	02112	X	22	----	1		----	119.70 EA
MNW51-FBW	95.80 EA	02113	X	22	----	1	1	----	119.70 EA
MNW51-G	95.80 EA	01945	X	22	----	1	1	----	119.70 EA
MNW51-I	95.80 EA	01942	X	22	----	1	1	----	119.70 EA
MNW51-W	95.80 EA	01943	X	22	----	1	1	----	119.70 EA
MNW52-FBA	109.50 EA	02163	X	22	----	1		----	136.80 EA
MNW52-FBE	109.50 EA	02165	X	22	----	1	1	----	136.80 EA
MNW52-FBG	109.50 EA	02164	X	22	----	1	1	----	136.80 EA
MNW52-FBI	109.50 EA	02160	X	22	----	1		----	136.80 EA
MNW52-FBW	109.50 EA	02162	X	22	----	1	1	----	136.80 EA
MNW60-A	95.80 EA	01898	X	22	----	1	1	----	119.70 EA
MNW60-E	95.80 EA	01900	X	22	----	1	1	----	119.70 EA
MNW60-FBA	95.80 EA	02005	X	22	----	1	1	----	119.70 EA
MNW60-FBE	95.80 EA	02007	X	22	----	1	1	----	119.70 EA
MNW60-FBG	95.80 EA	02006	X	22	----	1	1	----	119.70 EA
MNW60-FBI	95.80 EA	02003	X	22	----	1	1	----	119.70 EA
MNW60-FBW	95.80 EA	02004	X	22	----	1	1	----	119.70 EA
MNW60-G	95.80 EA	01899	X	22	----	1	1	----	119.70 EA
MNW60-I	95.80 EA	01896	X	22	----	1	1	----	119.70 EA
MNW60-W	95.80 EA	01897	X	22	----	1	1	----	119.70 EA
MNW61-FBA	109.50 EA	02119	X	22	----	0		1	136.80 EA
MNW61-FBE	109.50 EA	02121	X	22	----	1	1	----	136.80 EA
MNW61-FBG	109.50 EA	02120	X	22	----	1	1	----	136.80 EA
MNW61-FBI	109.50 EA	02117	X	22	----	0		1	136.80 EA
MNW61-FBW	109.50 EA	02118	X	22	----	1	1	----	136.80 EA
MNW62-FBA	123.20 EA	02168	X	22	----	0		1	154.00 EA
MNW62-FBE	123.20 EA	02170	X	22	----	1	1	----	154.00 EA
MNW62-FBG	123.20 EA	02169	X	22	----	1	1	----	154.00 EA
MNW62-FBI	123.20 EA	02166	X	22	----	0		1	154.00 EA
MNW62-FBW	123.20 EA	02167	X	22	----	1	1	----	154.00 EA
MNW70-FBA	109.50 EA	02010	X	22	----	0		1	136.80 EA
MNW70-FBE	109.50 EA	02012	X	22	----	1	1	----	136.80 EA
MNW70-FBG	109.50 EA	02011	X	22	----	1	1	----	136.80 EA
MNW70-FBI	109.50 EA	02008	X	22	----	0		1	136.80 EA
MNW70-FBW	109.50 EA	02009	X	22	----	1	1	----	136.80 EA
MNW71-FBA	123.20 EA	02125	X	22	----	0		1	154.00 EA
MNW71-FBE	123.20 EA	02127	X	22	----	1	1	----	154.00 EA
MNW71-FBG	123.20 EA	02126	X	22	----	1	1	----	154.00 EA
MNW71-FBI	123.20 EA	02123	X	22	----	0		1	154.00 EA
MNW71-FBW	123.20 EA	02124	X	22	----	1	1	----	154.00 EA
MNW80-FBA	123.20 EA	02082	X	22	----	0		1	154.00 EA
MNW80-FBE	123.20 EA	02084	X	22	----	1	1	----	154.00 EA
MNW80-FBG	123.20 EA	02083	X	22	----	1	1	----	154.00 EA
MNW80-FBI	123.20 EA	02080	X	22	----	0		1	154.00 EA
MNW80-FBW	123.20 EA	02081	X	22	----	1	1	----	154.00 EA
MNW81-FBA	136.90 EA	02130	X	22	----	0		1	171.10 EA
MNW81-FBE	136.90 EA	02132	X	22	----	1	1	----	171.10 EA
MNW81-FBG	136.90 EA	02131	X	22	----	1	1	----	171.10 EA
MNW81-FBI	136.90 EA	02128	X	22	----	0		1	171.10 EA
MNW81-FBW	136.90 EA	02129	X	22	----	1	1	----	171.10 EA
MNW90-FBA	136.90 EA	02087	X	22	----	0		1	171.10 EA
MNW90-FBE	136.90 EA	02089	X	22	----	1	1	----	171.10 EA
MNW90-FBG	136.90 EA	02088	X	22	----	1	1	----	171.10 EA
MNW90-FBI	136.90 EA	02085	X	22	----	0		1	171.10 EA
MNW90-FBW	136.90 EA	02086	X	22	----	1	1	----	171.10 EA
MNX10-1LA	99.30 EA	04224	X	22	----	10	7	1	124.10 EA
MNX10-1LE	99.30 EA	04226	X	22	----	10	7	1	124.10 EA
MNX10-1LG	99.30 EA	04225	X	22	----	10	7	1	124.10 EA
MNX10-1LI	99.30 EA	04222	X	22	----	10	7	1	124.10 EA
MNX10-1LW	99.30 EA	04223	X	22	----	10	7	1	124.10 EA
MNX10-7LA	99.30 EA	04269	X	22	----	10	7	1	124.10 EA
MNX10-7LE	99.30 EA	04271	X	22	----	10	7	1	124.10 EA
MNX10-7LG	99.30 EA	04270	X	22	----	10	7	1	124.10 EA
MNX10-7LI	99.30 EA	04265	X	22	----	10	7	1	124.10 EA
MNX10-7LW	99.30 EA	04268	X	22	----	10	7	1	124.10 EA
MNX15-1LA	167.60 EA	04229	X	22	----	10	9	1	209.50 EA
MNX15-1LE	167.60 EA	04231	X	22	----	10	9	1	209.50 EA
MNX15-1LG	167.60 EA	04230	X	22	----	10	9	1	209.50 EA
MNX15-1LI	167.60 EA	04227	X	22	----	10	9	1	209.50 EA
MNX15-1LW	167.60 EA	04228	X	22	----	10	9	1	209.50 EA
MNX15-7LA	167.60 EA	04274	X	22	----	10	9	1	209.50 EA
MNX15-7LE	167.60 EA	04276	X	22	----	10	9	1	209.50 EA
MNX15-7LG	167.60 EA	04275	X	22	----	10	9	1	209.50 EA
MNX15-7LI	167.60 EA	04272	X	22	----	10	9	1	209.50 EA
MNX15-7LW	167.60 EA	04273	X	22	----	10	9	1	209.50 EA
MN00C-1LW	72.10 EA	02500	X	22	----	10	5	1	90.10 EA
MN0LA	11.10 EA	01604	X	22	----	1	1	----	13.80 EA
MN00R-D0W	29.70 EA	05049	A	22	----	10	5	1	42.20 EA
MN0SA	11.10 EA	01606	X	22	----	1	1	----	13.80 EA
MPC20-C	6.70 EA	00446	E	59	----	10	3	Bulk	8.74 EA
MPC30-C	7.10 EA	00306	E	59	----	10	3	1	9.26 EA
MPC40-C	7.10 EA	00307	E	59	----	10	1	1	9.26 EA
* MR110-QEB	19.60	03028	C	10	----	500	50	50	39.20
* MR110-QMB	19.60	03030	C	10	----	500	50	50	39.20
* MR110-QMW	19.60	03032	C	10	----	500	50	50	39.20
* MR110-QNB	19.60	03029	C	10	----	500	50	50	39.20
* MR110-QNW	19.60	03031	C	10	----	500	50	50	39.20
* MR110-SMB	19.60	03034	C	10	----	500	50	50	39.20
* MR110-SMW	19.60	03038	C	10	----	500	50	50	39.20
* MR110-SNB	19.60	03033	C	10	----	500	50	50	39.20
* MR110-SNW	19.60	03036	C	10	----	500	50	50	39.20
* MR210-QEB	26.80	03041	C	10	----	500	50	50	53.60
* MR210-QEW	26.80	03045	C	10	----	500	50	50	53.60
* MR210-SEB	26.80	03048	C	10	----	500	50	50	53.60
* MR210-SEW	26.80	03050	C	10	----	500	50	50	53.60
MSI06-1LA	19.20 EA	00963	X	22	----	5	2	1	24.00 EA
MSI06-1LI	19.20 EA	00962	X	22	----	5	2	1	24.00 EA
MSI06-1LW	19.20 EA	00961	X	22	----	5	2	1	24.00 EA
MS00R-10A	17.00 EA	00965	X	22	----	5	2	1	21.20 EA
MS00R-10I	17.00 EA	00966	X	22	----	5	2	1	21.20 EA
MS00R-10W	17.00 EA	00964	X	22	----	5	2	1	21.20 EA
MS2-AP	515.00	01174	B	56	----	20	3	10	857.90
MS2-P	463.50	01173	B	56	----	20	2	10	772.10
MS302	1,400.80	02031	A	53	----	10	4	1	1,991.90
MS303	3,223.90	02032	A	53	----	10	4	1	4,584.30
MS402	2,616.20	02033	A	53	----	10	3	1	3,720.20
MS403	4,264.20	02034	A	53	----	10	5	1	6,063.60
N138-I	89.30	82441	B	40	G3	100	9	25	148.70
N138-W	89.30	82442	B	40	----	25	2	1	148.70
N751-I	140.70	79052	B	40	G17	100	7	10	234.40
N751-W	140.70	79054	B	40	G17	100	7	10	234.40
ODA13	15.70 EA	03730	E	24	----	10	6	1	20.40 EA
ODCCG	33.60 EA	83654	X	24	----	0		1	42.00 EA
ODCRA	38.60 EA	03711	X	24	----	10	5	1	48.20 EA
ODC05-I1W	70.30 EA	88188	X	24	----	10	7	1	87.80 EA
ODC05-I7W	70.30 EA	88187	X	24	----	10	7	1	87.80 EA
ODC04-IRW	65.60 EA	03696	X	24	----	10	7	1	82.00 EA
ODC04-I0W	51.50 EA	03695	X	24	----	10	7	1	64.30 EA
ODC05-MRW	95.30 EA	03688	X	24	----	10	7	1	119.10 EA
ODC05-M0W	75.90 EA	03687	X	24	----	10	1	1	94.80 EA
ODC05-URW	82.40 EA	03694	X	24	----	10	7	1	103.00 EA
ODC05-U0W	63.00 EA	03693	X	24	----	10	7	1	78.70 EA
ODC10-MRW	108.20 EA	03686	X	24	----	10	7	1	135.20 EA
ODC10-M0W	88.80 EA	03685	X	24	----	10	7	1	111.00 EA
ODC10-URW	95.30 EA	03692	X	24	----	10	7	1	119.10 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
ODC10-U0W	75.90 EA	03691	X	24	----	10	1	1	94.80 EA
ODC20-MRW	121.00 EA	03684	X	24	----	10	1	1	151.20 EA
ODC20-M0W	101.70 EA	03683	X	24	----	10	1	1	127.10 EA
ODC20-URW	108.20 EA	03690	X	24	----	10	7	1	135.20 EA
ODC20-U0W	88.80 EA	03689	X	24	----	10	1	1	111.00 EA
ODPNA	12.90 EA	03710	X	24	----	10	6	1	16.10 EA
ODP13-10	23.20 EA	03697	X	24	----	10	9	1	29.00 EA
ODP13-20	23.20 EA	03699	X	24	----	10	9	1	29.00 EA
ODP13-30	23.20 EA	03708	X	24	----	10	9	1	29.00 EA
ODP13-70	23.20 EA	03707	X	24	----	10	9	1	29.00 EA
ODS0D-IDA	67.00 EA	95411	X	24	----	10	3	1	83.70 EA
ODS0D-IDG	67.00 EA	95410	X	24	----	10	3	1	83.70 EA
ODS0D-IDI	67.00 EA	95409	X	24	----	10	3	1	83.70 EA
ODS0D-IDW	67.00 EA	95408	X	24	----	10	3	1	83.70 EA
ODS10-IDA	45.30 EA	01021	X	24	----	10	3	1	56.60 EA
ODS10-IDG	45.30 EA	01020	X	24	----	10	3	1	56.60 EA
ODS10-IDI	45.30 EA	01019	X	24	----	10	3	1	56.60 EA
ODS10-IDW	45.30 EA	01018	X	24	----	10	3	1	56.60 EA
ODS15-IDA	47.60 EA	01025	X	24	----	10	3	1	59.50 EA
ODS15-IDG	47.60 EA	01024	X	24	----	10	3	1	59.50 EA
ODS15-IDI	47.60 EA	01023	X	24	----	10	3	1	59.50 EA
ODS15-IDW	47.60 EA	01022	X	24	----	10	3	1	59.50 EA
ODWHB-IRW	103.00 EA	03682	X	24	----	10	7	1	128.70 EA
ODWHB-I0W	83.60 EA	03681	X	24	----	10	7	1	104.50 EA
ODWWV-IRW	90.10 EA	03680	X	24	----	10	7	1	112.60 EA
ODWWV-I0W	70.80 EA	03679	X	24	----	10	7	1	88.50 EA
ODW12-MRW	121.00 EA	03678	X	24	----	10	7	1	151.20 EA
ODW12-M0W	101.70 EA	03677	X	24	----	10	7	1	127.10 EA
OS111	38.40 EA	82944	A	24	O5	20	20	1	54.60 EA
OS111-W	38.40 EA	82945	A	24	O5	20	17	1	54.60 EA
OS120	46.40 EA	82948	A	24	O5	20	16	1	65.90 EA
OS120-W	46.40 EA	82949	A	24	O5	20	17	1	65.90 EA
OS127	63.70 EA	82946	A	24	O4	20	20	1	90.50 EA
OS127-W	63.70 EA	82947	A	24	O4	20	23	1	90.50 EA
PB101	494.40 EA	97045	A	55	----	1	38	----	703.04 EA
PB103	463.50 EA	97046	A	55	----	1	38	----	659.10 EA
PC100	25.10 EA	84432	A	55	HH17	1	1	----	35.69 EA
PC320	18.40 EA	84865	A	55	HH17	1	1	----	26.16 EA
PC343	19.90 EA	84868	A	55	HH17	1	1	----	28.30 EA
PC420	18.40 EA	84866	A	55	HH17	1	1	----	26.16 EA
PC520	19.90 EA	84867	A	55	HH17	1	1	----	28.30 EA
PC530	21.20 EA	84869	A	55	HH17	1	1	----	30.15 EA
PH65-94	4,895.50	80473	C	56	J5	5	8	1	9,791.00
PH65-95	1,794.50	80475	C	56	J5	10	3	1	3,589.00
PH65-97	1,533.60	80476	C	56	J5	10	3	1	3,067.20
PH65-99	7,312.30	80474	C	56	J5	1	4	----	14,624.60
PH66-24	1,239.40	80477	C	56	J5	10	1	1	2,478.80
PH66-25	1,053.40	80478	C	56	J5	10	1	1	2,106.80
PJ1	37.90	95568	A	85	----	100	7	25	53.80
PJ1-A	37.90	98625	A	85	----	100	7	25	53.80
PJ1-E	37.90	95573	A	85	----	100	7	25	53.80
PJ1-GY	37.90	95572	A	85	----	100	6	25	53.80
PJ1-I	37.90	95569	A	85	----	100	7	25	53.80
PJ1-R	37.90	95571	A	85	----	100	6	25	53.80
PJ1-W	37.90	95570	A	85	----	100	6	25	53.80
PJ2	75.80	95576	A	85	----	100	11	25	107.70
PJ2-A	75.80	98626	A	85	----	100	11	25	107.70
PJ2-E	75.80	95581	A	85	----	100	11	25	107.70
PJ2-GY	75.80	95580	A	85	----	25	3	1	107.70
PJ2-I	75.80	95577	A	85	----	100	11	25	107.70
PJ2-W	75.80	95578	A	85	----	100	11	25	107.70
PJ3-A	113.70	98627	A	85	----	25	4	1	161.60
PJ3-E	113.70	95587	A	85	----	50	8	10	161.60
PJ3-GY	113.70	95586	A	85	----	25	3	1	161.60
PJ3-I	113.70	95583	A	85	----	50	8	10	161.60
PJ3-W	113.70	95584	A	85	----	50	8	10	161.60
PJ4-A	151.60	98629	A	85	----	50	10	10	215.50
PJ4-E	151.60	95592	A	85	----	50	10	10	215.50
PJ4-I	151.60	95588	A	85	----	25	4	1	215.50
PJ4-W	151.60	95589	A	85	----	50	9	10	215.50
PJ7	63.90	95820	A	85	----	25	2	1	90.80
PJ7-A	63.90	98630	A	85	----	100	7	25	90.80
PJ7-I	63.90	95821	A	85	----	100	7	25	90.80
PJ7-R	63.90	95823	A	85	----	100	7	25	90.80
PJ7-W	63.90	95822	A	85	----	25	2	1	90.80
PJ8	37.90	95595	A	85	----	100	6	25	53.80
PJ8-A	37.90	98631	A	85	----	100	6	25	53.80
PJ8-BU	38.10	95604	A	85	----	100	6	25	54.10
PJ8-E	37.90	95600	A	85	----	100	6	25	53.80
PJ8-GY	37.90	95599	A	85	----	100	6	25	53.80
PJ8-I	37.90	95596	A	85	----	100	6	25	53.80
PJ8-IG	38.10	95602	A	85	----	50	3	10	54.10
PJ8-R	37.90	95598	A	85	----	100	6	25	53.80
PJ8-RE	217.70	95603	A	85	----	50	3	10	309.50
PJ8-W	37.90	95597	A	85	----	100	6	25	53.80
PJ11-A	63.90	98634	A	85	----	100	8	25	90.80
PJ11-E	63.90	95848	A	85	----	100	8	25	90.80
PJ11-GY	63.90	95847	A	85	----	100	8	25	90.80
PJ11-I	63.90	95845	A	85	----	100	8	25	90.80
PJ11-W	63.90	95846	A	85	----	100	8	25	90.80
PJ13	62.80	95827	A	85	----	100	7	25	89.30
PJ13-A	62.80	98633	A	85	----	100	8	25	89.30
PJ13-E	62.80	95831	A	85	----	100	7	25	89.30
PJ13-GY	62.80	95830	A	85	----	100	7	25	89.30
PJ13-I	62.80	95828	A	85	----	100	7	25	89.30
PJ13-R	62.80	96913	A	85	----	25	2	1	89.30
PJ13-W	62.80	95829	A	85	----	100	7	25	89.30
PJ18-A	62.80	98635	A	85	----	100	10	25	89.30
PJ18-E	62.80	95854	A	85	----	100	10	25	89.30
PJ18-GY	62.80	95853	A	85	----	100	10	25	89.30
PJ18-I	62.80	95850	A	85	----	100	10	25	89.30
PJ18-W	62.80	95851	A	85	----	100	10	25	89.30
PJ23-A	127.70	02925	A	85	----	100	11	25	181.50
PJ23-E	127.70	95837	A	85	----	100	12	25	181.50
PJ23-GY	127.70	95836	A	85	----	100	12	25	181.50
PJ23-I	127.70	95834	A	85	----	100	12	25	181.50
PJ23-W	127.70	95835	A	85	----	100	12	25	181.50
PJ26	62.80	95775	A	85	----	100	6	25	89.30
PJ26-A	62.80	95782	A	85	----	25	2	1	89.30
PJ26-BU	63.90	02972	A	85	----	25	1	1	90.80
PJ26-E	62.80	95780	A	85	----	100	6	25	89.30
PJ26-GY	62.80	95779	A	85	----	100	6	25	89.30
PJ26-I	62.80	95776	A	85	----	100	6	25	89.30
PJ26-R	62.80	95778	A	85	----	100	6	25	89.30
PJ26-W	62.80	95777	A	85	----	100	10	25	89.30
PJ82	75.00	96916	A	85	----	25	2	1	106.60
PJ82-A	75.00	98632	A	85	----	100	8	25	106.60
PJ82-E	75.00	95611	A	85	----	25	2	1	106.60
PJ82-GY	75.00	95610	A	85	----	100	10	25	106.60
PJ82-I	75.00	95607	A	85	----	100	9	25	106.60
PJ82-R	75.00	95609	A	85	----	100	10	25	106.60
PJ82-RE	391.40	95612	A	85	----	100	10	10	556.50
PJ82-W	75.00	95608	A	85	----	100	10	25	106.60
PJ126	127.70	95859	A	85	----	25	2	1	181.50
PJ126-A	127.70	95862	A	85	----	25	2	1	181.50
PJ126-I	127.70	95860	A	85	----	100	9	25	181.50
PJ126-W	127.70	95861	A	85	----	100	10	25	181.50
PJ226	200.90	95863	A	85	----	50	7	10	285.60
PJ226-A	200.90	95866	A	85	----	50	7	10	285.60
PJ226-I	200.90	95864	A	85	----	50	7	10	285.60
PJ226-W	200.90	95865	A	85	----	50	7	10	285.60
PJ262	126.50	95784	A	85	----	100	8	25	179.80
PJ262-A	126.50	95791	A	85	----	25	2	1	179.80
PJ262-E	126.50	95789	A	85	----	100	8	25	179.80
PJ262-GY	126.50	95788	A	85	----	100	8	25	179.80
PJ262-I	126.50	95785	A	85	----	100	8	25	179.80
PJ262-R	126.50	95787	A	85	----	25	2	1	179.80
PJ262-W	126.50	95786	A	85	----	100	9	25	179.80
PJ263-A	191.60	95797	A	85	----	25	3	1	272.40
PJ263-GY	191.60	03537	A	85	----	10	1	1	272.40

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty	Suggested Trade Price Net/C std. Pkg. Qt.
PJ263-I	191.60	95795	A	85	----	50	6	10	272.40
PJ263-W	191.60	95796	A	85	----	50	6	10	272.40
PJ264-A	255.40	95802	A	85	----	25	3	1	363.10
PJ264-GY	255.40	95801	A	85	----	50	7	10	363.10
PJ264-I	255.40	95799	A	85	----	50	7	10	363.10
PJ264-W	255.40	95800	A	85	----	25	3	1	363.10
PJ826	127.70	97753	A	85	----	100	9	25	181.50
PJ826-A	127.70	97758	A	85	----	100	9	25	181.50
PJ826-I	127.70	97756	A	85	----	100	9	25	181.50
PJ826-W	127.70	97757	A	85	----	100	9	25	181.50
PSC-100	206.00 EA	96934	A	55	----	1	76	----	292.93 EA
PSC-50	154.50 EA	96933	A	55	----	1	38	----	219.70 EA
PSC1-I	113.00	83937	C	10	----	20	1	5	226.00
PSC1-W	113.00	83938	C	10	G6	20	1	5	226.00
PSC7-I	113.00	83939	C	10	----	20	1	5	226.00
PSC7-W	113.00	83940	C	10	G6	20	1	5	226.00
PSC8-I	113.00	83935	C	10	----	20	1	5	226.00
PSC8-R	113.00	86871	C	10	----	20	1	5	226.00
PSC8-W	113.00	83936	C	10	G6	20	1	5	226.00
PSC14-I	113.00	83941	C	10	----	20	2	5	226.00
PSC14-W	113.00	83942	C	10	G6	20	1	5	226.00
PSC26-I	113.00	83943	C	10	----	20	1	5	226.00
PSC26-W	113.00	83944	C	10	G6	20	1	5	226.00
PSE1-I	113.00	83927	C	10	----	20	1	5	226.00
PSE1-W	113.00	83928	C	10	G6	20	1	5	226.00
PSE7-I	113.00	83929	C	10	----	20	1	5	226.00
PSE7-R	113.00	86865	C	10	----	20	1	5	226.00
PSE7-W	113.00	83930	C	10	G6	20	1	5	226.00
PSE8-I	113.00	83925	C	10	----	20	1	5	226.00
PSE8-R	113.00	86866	C	10	----	20	1	5	226.00
PSE8-W	113.00	83926	C	10	G6	20	1	5	226.00
PSE14-I	113.00	83931	C	10	----	20	2	5	226.00
PSE14-W	113.00	83932	C	10	G6	20	2	5	226.00
PSE26-I	113.00	83933	C	10	----	20	1	5	226.00
PSE26-W	113.00	83934	C	10	G6	20	1	5	226.00
P22-I	530.10	81371	C	84	G10	1	1	----	1,060.20
P38	215.70	82750	C	84	G13	50	11	10	431.40
P38-A	215.70	97903	C	84	----	50	10	10	431.40
P38-I	215.70	82749	C	84	G13	50	10	10	431.40
P38-W	215.70	82748	C	84	G13	50	10	10	431.40
P48-I	2,085.30	81377	C	84	G14	1	1	----	4,170.60
P48-W	2,085.30	81378	C	84	G14	1	1	----	4,170.60
P326	225.00	82751	C	84	G15	50	11	10	450.00
P326-I	225.00	82752	C	84	G15	50	10	10	450.00
P326-W	225.00	82753	C	84	G15	50	10	10	450.00
P1426-I	281.20	81387	C	84	G16	1	1	----	562.40
P1426-W	281.20	81388	C	84	G16	1	1	----	562.40
P2262-I	1,479.40	81389	C	84	G15	1	1	----	2,958.80
P2262-W	1,479.40	81390	C	84	G15	1	1	----	2,958.80
RTB01	51.50 EA	03952	C	55	----	0		1	103.00 EA
RTC00	51.50 EA	03953	C	55	----	0		1	103.00 EA
RTT99	309.00 EA	03156	C	55	----	1	1	----	618.00 EA
RTW08	51.50 EA	03951	C	55	----	0		1	103.00 EA
SCENE-DIS	125.00 EA	02068	C	22	----	1	17	----	250.00 EA
SC120-WI	45.30 EA	89042	B	24	----	10	4	1	75.40 EA
SC277-WI	45.30 EA	89043	B	24	----	10	5	1	75.40 EA
SC277-1WI	45.30 EA	00304	B	24	----	0		1	75.40 EA
SO26	238.70	79448	C	61	G23	100	15	25	477.40
SO262	453.40	79449	C	10	G23	50	12	10	906.80
SO263	692.10	79450	C	10	G23	1	1	Bulk	1,384.20
SPC320	18.40 EA	84875	A	55	----	1	1	----	26.16 EA
SPC420	18.40 EA	84876	A	55	----	1	1	----	26.16 EA
SPC520	19.80 EA	84877	A	55	----	1	1	----	28.16 EA
SPC530	19.80 EA	84879	A	55	----	1	1	----	28.16 EA
SPC3430	19.80 EA	84878	A	55	----	1	1	----	28.16 EA
SP316B4	44.50 EA	84764	B	55	HH14	1	1	----	74.14 EA
SP316B6	43.50 EA	84766	B	55	HH14	1	1	----	72.47 EA
SP316C6	66.10 EA	85267	B	55	HH14	1	1	----	110.12 EA
SP316P6	56.30 EA	84784	B	55	HH14	1	1	----	93.80 EA
SP316R4	48.30 EA	84793	B	55	HH14	1	1	----	80.47 EA
SP316R6	46.60 EA	84795	B	55	HH14	1	1	----	77.64 EA
SP320B4	39.90 EA	84463	B	55	HH15	1	1	----	66.47 EA
SP320B6	39.90 EA	84464	B	55	HH15	1	1	----	66.47 EA
SP320B7	39.90 EA	84465	B	55	HH15	1	1	----	66.47 EA
SP320C4	56.60 EA	84467	B	55	HH15	1	1	----	94.30 EA
SP320C6	56.60 EA	84474	B	55	HH15	1	1	----	94.30 EA
SP320P4	48.30 EA	84475	B	55	HH15	1	1	----	80.47 EA
SP320P6	48.30 EA	84476	B	55	HH15	1	1	----	80.47 EA
SP320R4	40.00 EA	84477	B	55	HH15	1	1	----	66.64 EA
SP320R6	40.00 EA	84478	B	55	HH15	1	1	----	66.64 EA
SP330B4	72.90 EA	84479	B	55	HH8	1	1	----	121.45 EA
SP330B6	72.90 EA	84480	B	55	HH8	1	1	----	121.45 EA
SP330B7	87.70 EA	84481	B	55	HH8	1	1	----	146.11 EA
SP330C6	87.70 EA	84483	B	55	HH15	1	1	----	146.11 EA
SP330P6	74.80 EA	84484	B	55	HH15	1	1	----	124.62 EA
SP330R6	66.40 EA	84485	B	55	HH15	1	1	----	110.62 EA
SP332B4	88.60 EA	84765	B	55	HH14	1	1	----	147.61 EA
SP332B6	87.10 EA	84754	B	55	HH14	1	1	----	145.11 EA
SP332C4	91.30 EA	85265	B	55	HH14	1	2	----	152.11 EA
SP332C6	89.60 EA	84774	B	55	HH14	1	2	----	149.27 EA
SP332P4	83.80 EA	84783	B	55	HH14	1	1	----	139.61 EA
SP332P6	82.40 EA	84785	B	55	HH14	1	1	----	137.28 EA
SP332R4	75.90 EA	84794	B	55	HH14	1	1	----	126.45 EA
SP332R6	73.00 EA	84796	B	55	HH14	1	1	----	121.62 EA
SP363B6	125.80 EA	84767	B	55	HH14	1	1	----	209.58 EA
SP363C6	147.30 EA	84775	B	55	HH14	1	3	----	245.40 EA
SP363R6	111.00 EA	84797	B	55	HH14	1	1	----	184.93 EA
SP416B6	50.90 EA	84768	B	55	HH14	1	1	----	84.80 EA
SP416C6	75.10 EA	86821	B	55	HH14	1	1	----	125.12 EA
SP416P6	58.60 EA	84787	B	55	HH14	1	1	----	97.63 EA
SP416R6	62.50 EA	84798	B	55	HH14	1	1	----	104.13 EA
SP420B5	44.50 EA	84487	B	55	HH8	1	1	----	74.14 EA
SP420B7	44.50 EA	84489	B	55	HH8	1	1	----	74.14 EA
SP420B12	44.50 EA	84486	B	55	HH8	1	1	----	74.14 EA
SP420C7	64.50 EA	84490	B	55	HH15	1	1	----	107.46 EA
SP420P7	53.10 EA	84491	B	55	HH15	1	1	----	88.46 EA
SP420R7	54.30 EA	84492	B	55	HH15	1	1	----	90.46 EA
SP430-P9	82.80 EA	02506	B	55	----	1	3	----	137.94 EA
SP430B5	87.70 EA	84494	B	55	HH15	1	1	----	146.11 EA
SP430B7	87.70 EA	84495	B	55	HH15	1	1	----	146.11 EA
SP430B9	87.70 EA	84496	B	55	HH15	1	1	----	146.11 EA
SP430B12	87.70 EA	84493	B	55	HH15	1	1	----	146.11 EA
SP430C7	89.50 EA	84497	B	55	HH15	1	1	----	149.11 EA
SP430C9	89.50 EA	84498	B	55	HH15	1	1	----	149.11 EA
SP430P7	82.80 EA	84499	B	55	HH15	1	1	----	137.94 EA
SP430R7	71.20 EA	84501	B	55	HH15	1	1	----	118.62 EA
SP430R9	71.20 EA	84502	B	55	HH15	1	1	----	118.62 EA
SP432B6	98.50 EA	84769	B	55	HH14	1	1	----	164.10 EA
SP432C6	95.50 EA	84777	B	55	HH14	1	1	----	159.10 EA
SP432P6	91.00 EA	84788	B	55	HH14	1	2	----	151.61 EA
SP432R6	78.30 EA	84799	B	55	HH14	1	1	----	130.45 EA
SP460C7	165.20 EA	84503	B	55	HH15	1	1	----	275.22 EA
SP460C9	165.20 EA	84504	B	55	HH15	1	1	----	275.22 EA
SP460P7	130.90 EA	84505	B	55	HH15	1	1	----	218.08 EA
SP460P9	130.90 EA	84507	B	55	HH15	1	1	----	218.08 EA
SP460R7	126.60 EA	84508	B	55	HH15	1	1	----	210.92 EA
SP460R9	126.60 EA	84509	B	55	HH15	1	1	----	210.92 EA
SP463B6	143.70 EA	84770	B	55	HH14	1	1	----	239.40 EA
SP463C6	172.40 EA	84778	B	55	HH14	1	2	----	287.22 EA
SP463P6	136.00 EA	84789	B	55	HH14	1	2	----	226.58 EA
SP463R6	131.70 EA	84800	B	55	HH14	1	1	----	219.41 EA
SP516B6	61.80 EA	84771	B	55	HH14	1	1	----	102.96 EA
SP516C6	84.70 EA	84779	B	55	HH14	1	2	----	141.11 EA
SP516P6	65.60 EA	84790	B	55	HH14	1	1	----	109.29 EA
SP520B5	58.30 EA	84510	B	55	HH8	1	1	----	97.13 EA
SP520B7	58.30 EA	84511	B	55	HH8	1	1	----	97.13 EA
SP520B9	58.30 EA	84512	B	55	HH8	1	1	----	97.13 EA
SP520C9	73.90 EA	84513	B	55	HH15	1	1	----	123.12 EA
SP520P9	57.30 EA	84514	B	55	HH15	1	1	----	95.46 EA
SP520R9	62.70 EA	84515	B	55	HH15	1	1	----	104.46 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
SP530B5	103.70 EA	84516	B	55	HH8	1	2	----	172.76 EA
SP530B7	103.70 EA	84517	B	55	HH8	1	2	----	172.76 EA
SP530B9	103.70 EA	84518	B	55	HH8	1	2	----	172.76 EA
SP532B6	114.70 EA	84772	B	55	HH14	1	1	----	191.09 EA
SP532C6	114.70 EA	84780	B	55	HH14	1	1	----	191.09 EA
SP532P6	114.70 EA	84791	B	55	HH14	1	1	----	191.09 EA
SP532R6	97.40 EA	84802	B	55	HH14	1	2	----	162.27 EA
SP560C9	180.80 EA	84519	B	55	HH15	1	1	----	301.21 EA
SP560P9	148.50 EA	84520	B	55	----	0		1	247.40 EA
SP560R9	168.60 EA	84521	B	55	HH15	1	1	----	280.89 EA
SP563B6	164.00 EA	84773	B	55	HH14	1	2	----	273.22 EA
SP563C6	187.70 EA	84781	B	55	HH14	1	2	----	312.71 EA
SP563P6	156.10 EA	84792	B	55	HH14	1	2	----	260.06 EA
SP563R6	175.20 EA	84803	B	55	HH14	1	1	----	291.88 EA
* SS303	5,846.10	80470	C	56	J3	10	14	1	11,692.20
STAND-CRU	195.00 EA	02065	C	22	----	1	33	----	390.00 EA
ST12	2.40 EA	00088	E	59	----	1	1	Bulk	3.13 EA
ST30	2.70 EA	01695	E	59	----	10	10	1	3.52 EA
ST30-40	2.30 EA	00089	E	59	----	10	1	1	3.00 EA
ST500	6.90 EA	00090	E	59	----	1	1	Bulk	9.00 EA
* S48-N	1,529.20	81244	C	84	G14	1	1	----	3,058.40
* S54-N	2,294.90	81237	C	84	G11	1	1	----	4,589.80
* S73-N	545.50	81272	C	84	G6	1	1	----	1,091.00
* S112-N	420.20	81249	C	84	G16	1	1	----	840.40
* S126	209.70	79444	C	61	G14	200	34	20	419.40
* S214-N	585.50	81835	C	84	G15	1	1	----	1,171.00
* S426-N	2,555.10	81247	C	84	G15	1	1	----	5,110.20
S601-I	4,726.00	81041	C	84	G5	1	1	Bulk	9,452.00
* S601-W	4,726.00	81042	C	84	G5	1	1	Bulk	9,452.00
* S602-I	5,364.50	81043	C	84	G5	1	1	Bulk	10,729.00
* S602-W	5,364.50	81044	C	84	G5	1	1	Bulk	10,729.00
* S603-I	5,445.00	81045	C	84	G5	1	1	Bulk	10,890.00
* S603-W	5,445.00	81046	C	84	G5	1	1	Bulk	10,890.00
* S604-I	6,024.30	81047	C	84	G5	1	1	Bulk	12,048.60
* S604-W	6,024.30	81048	C	84	G5	1	1	Bulk	12,048.60
S701-GY	128.20	82264	C	80	G12	100	18	10	256.40
S701-40	198.80	84806	B	80	----	50	9	10	331.20
* S746-N	355.70	81243	C	80	G13	1	1	----	711.40
* S751-N	272.30	79053	C	84	G17	100	15	10	544.60
* S1426-N	474.60	81255	C	84	G16	1	1	----	949.20
* S6082	2,480.10	81184	C	84	G6	1	1	----	4,960.20
* TBI03-1LW	12.80 EA	05343	X	20	----	5	3	1	16.00 EA
TGI06-MLW	129.80 EA	05615	X	22	----	5	5	1	162.20 EA
TGI06-1LA	13.00 EA	00316	X	22	----	5	2	1	16.20 EA
TGI06-1LB	13.00 EA	00318	X	22	----	5	2	1	16.20 EA
TGI06-1LJ	13.00 EA	00314	X	22	----	5	2	1	16.20 EA
TGI06-1LW	13.00 EA	00312	X	22	----	5	2	1	16.20 EA
TGI06-10A	11.10 EA	00317	X	22	----	5	2	1	13.80 EA
TGI06-10I	11.10 EA	00315	X	22	----	5	2	1	13.80 EA
TGI06-10W	11.10 EA	00313	X	22	----	5	2	1	13.80 EA
TGI10-1LA	32.80 EA	00321	X	22	----	5	2	1	41.00 EA
TGI10-1LG	32.80 EA	00322	X	22	----	5	2	1	41.00 EA
TGI10-1LJ	32.80 EA	00320	X	22	----	5	2	1	41.00 EA
TGI10-1LW	32.80 EA	00319	X	22	----	5	2	1	41.00 EA
TGM10-1LA	32.80 EA	00325	X	22	----	5	2	1	41.00 EA
TGM10-1LG	32.80 EA	00326	X	22	----	5	2	1	41.00 EA
TGM10-1LJ	32.80 EA	00324	X	22	----	5	2	1	41.00 EA
TGM10-1LW	32.80 EA	00323	X	22	----	5	2	1	41.00 EA
TIC-40E	14.70 EA	99757	E	59	----	10	3	1	19.17 EA
TIC-40R	14.70 EA	99758	E	59	----	10	3	1	19.17 EA
TOUCH-DIS	125.00 EA	02069	C	22	----	1	17	----	250.00 EA
TPI-40E	14.70 EA	99754	E	59	----	10	3	1	19.17 EA
TPI-40R	14.70 EA	99756	E	59	----	10	3	1	19.17 EA
TPI06-1LA	29.90 EA	01837	X	22	----	5	2	1	37.30 EA
TPI06-1LE	29.90 EA	01839	X	22	----	5	2	1	37.30 EA
TPI06-1LG	29.90 EA	01838	X	22	----	5	2	1	37.30 EA
TPI06-1LJ	29.90 EA	01836	X	22	----	5	2	1	37.30 EA
TPI06-1LW	29.90 EA	01399	X	22	----	5	2	1	37.30 EA
TPI10-1LA	54.40 EA	01841	X	22	----	5	2	1	68.00 EA
TPI10-1LE	54.40 EA	01843	X	22	----	5	2	1	68.00 EA
TPI10-1LG	54.40 EA	01842	X	22	----	5	2	1	68.00 EA
TPI10-1LJ	54.40 EA	01840	X	22	----	5	2	1	68.00 EA
TPI10-1LW	54.40 EA	01539	X	22	----	5	2	1	68.00 EA
TPM06-1LA	36.50 EA	01845	X	22	----	5	2	1	45.60 EA
TPM06-1LE	36.50 EA	01847	X	22	----	5	2	1	45.60 EA
TPM06-1LG	36.50 EA	01846	X	22	----	5	2	1	45.60 EA
TPM06-1LJ	36.50 EA	01844	X	22	----	5	2	1	45.60 EA
TPM06-1LW	36.50 EA	01551	X	22	----	5	2	1	45.60 EA
TPM10-1LA	55.80 EA	01849	X	22	----	5	2	1	69.70 EA
TPM10-1LE	55.80 EA	01851	X	22	----	5	2	1	69.70 EA
TPM10-1LG	55.80 EA	01850	X	22	----	5	2	1	69.70 EA
TPM10-1LJ	55.80 EA	01848	X	22	----	5	1	1	69.70 EA
TPM10-1LW	55.80 EA	01553	X	22	----	5	2	1	69.70 EA
TPX06-1LA	37.20 EA	01854	X	22	----	5	2	1	46.50 EA
TPX06-1LE	37.20 EA	01856	X	22	----	5	2	1	46.50 EA
TPX06-1LG	37.20 EA	01855	X	22	----	5	2	1	46.50 EA
TPX06-1LJ	37.20 EA	01852	X	22	----	5	2	1	46.50 EA
TPX06-1LW	37.20 EA	01555	X	22	----	5	2	1	46.50 EA
TPX10-1LA	63.00 EA	01858	X	22	----	5	2	1	78.70 EA
TPX10-1LE	63.00 EA	01860	X	22	----	5	2	1	78.70 EA
TPX10-1LG	63.00 EA	01859	X	22	----	5	2	1	78.70 EA
TPX10-1LJ	63.00 EA	01857	X	22	----	5	2	1	78.70 EA
TPX10-1LW	63.00 EA	01556	X	22	----	5	2	1	78.70 EA
TTI06-1GI	17.70 EA	01088	X	22	----	5	2	1	22.10 EA
TTI06-1WS	17.70 EA	01087	X	22	----	5	2	1	22.10 EA
TTI06-10A	17.70 EA	01085	X	22	----	5	2	1	22.10 EA
TTI06-10I	17.70 EA	01086	X	22	----	5	2	1	22.10 EA
TTI06-10W	17.70 EA	01084	X	22	----	5	2	1	22.10 EA
TTI10-1GI	47.20 EA	01093	X	22	----	5	2	1	59.00 EA
TTI10-1WS	47.20 EA	01092	X	22	----	5	2	1	59.00 EA
TTI10-10A	47.20 EA	01091	X	22	----	5	2	1	59.00 EA
TTI10-10I	47.20 EA	01090	X	22	----	5	2	1	59.00 EA
TTI10-10W	47.20 EA	01089	X	22	----	5	2	1	59.00 EA
TTKIT-A	1.60 EA	01106	X	22	----	50	2	10	2.00 EA
TTKIT-BG	1.60 EA	01111	X	22	----	50	2	10	2.00 EA
TTKIT-E	1.60 EA	01108	X	22	----	50	2	10	2.00 EA
TTKIT-GI	1.60 EA	01110	X	22	----	50	2	10	2.00 EA
TTKIT-GY	1.60 EA	01107	X	22	----	50	2	10	2.00 EA
TTKIT-I	1.60 EA	01105	X	22	----	50	2	10	2.00 EA
TTKIT-W	1.60 EA	01104	X	22	----	50	2	10	2.00 EA
TTKIT-WS	1.60 EA	01109	X	22	----	50	2	10	2.00 EA
TTKTR-A	1.60 EA	01114	X	22	----	50	2	10	2.00 EA
TTKTR-BG	1.60 EA	01125	X	22	----	50	2	10	2.00 EA
TTKTR-E	1.60 EA	01116	X	22	----	50	2	10	2.00 EA
TTKTR-GI	1.60 EA	01118	X	22	----	50	2	10	2.00 EA
TTKTR-GY	1.60 EA	01115	X	22	----	50	2	10	2.00 EA
TTKTR-I	1.60 EA	01113	X	22	----	50	2	10	2.00 EA
TTKTR-W	1.60 EA	01112	X	22	----	50	2	10	2.00 EA
TTKTR-WS	1.60 EA	01117	X	22	----	50	2	10	2.00 EA
TTM10-1GI	49.70 EA	01098	X	22	----	5	2	1	62.10 EA
TTM10-1WS	49.70 EA	01097	X	22	----	5	2	1	62.10 EA
TTM10-10A	49.70 EA	01096	X	22	----	5	2	1	62.10 EA
TTM10-10I	49.70 EA	01095	X	22	----	5	2	1	62.10 EA
TTM10-10W	49.70 EA	01094	X	22	----	5	2	1	62.10 EA
TT00R-1GI	17.00 EA	01103	X	22	----	5	2	1	21.20 EA
TT00R-1WS	17.00 EA	01102	X	22	----	5	2	1	21.20 EA
TT00R-10A	17.00 EA	01101	X	22	----	5	2	1	21.20 EA
TT00R-10I	17.00 EA	01100	X	22	----	5	2	1	21.20 EA
TT00R-10W	17.00 EA	01099	X	22	----	5	2	1	21.20 EA
U0325-AK	98.70 EA	04555	X	99	----	3	15	1	123.30 EA
U0330-KO	85.00 EA	04597	X	99	----	6	31	1	106.20 EA
U0500-AKP	236.00 EA	04557	X	99	----	1	5	----	295.00 EA
U0500-SKO	145.90 EA	04558	X	99	----	4	20	1	182.30 EA
U0625-AKP	188.80 EA	04559	X	99	----	3	15	1	236.00 EA
U1000-AKP	300.40 EA	04560	X	99	----	1	5	----	375.50 EA
U1000-SK	532.10 EA	04561	X	99	----	1	5	----	665.10 EA
U1500-SRM	812.50 EA	04562	X	99	----	1	5	----	1,015.60 EA
* WP1	2,044.00	67777	B	56	----	10	3	1	3,405.30
* WP2	2,044.00	67776	B	56	----	10	4	1	3,405.30
* WS402	367.70	02038	B	53	----	100	12	Bulk	612.50

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
W0258-500	15.00 EA	86184	C	70	----	1	7	----	18.75 EA
W0700-500	30.00 EA	86503	C	10	----	1	6	----	60.00 EA
W2530-IM	42.00 EA	86190	C	70	----	1	16	----	52.50 EA
W2530-500	25.00 EA	86189	C	70	----	1	9	----	31.25 EA
W3030-500	40.00 EA	86191	C	70	----	1	12	----	50.00 EA
W3409-250	40.00 EA	86192	C	70	----	1	6	----	50.00 EA
W3409-500	75.00 EA	86194	C	70	----	1	14	----	93.75 EA
W5210-IM	45.00 EA	86195	C	10	----	1	6	----	90.00 EA
W5212-250	25.00 EA	86196	C	10	----	1	5	----	50.00 EA
W5214-250	40.00 EA	86197	C	10	----	1	8	----	80.00 EA
X2030-100	1,750.00	86255	C	10	----	10	10	1	3,500.00
X3109-50I	4.00 EA	86285	C	70	----	50	38	1	5.00 EA
X3125-100	1,250.00	86647	C	10	----	20	38	1	2,500.00
X3300-100	650.00	86281	C	10	----	18	24	1	1,300.00
X3300-50	400.00	86222	C	10	----	25	14	1	800.00
X3300-50C	400.00	86279	C	10	----	25	14	1	800.00
X3301-25C	400.00	86286	C	10	----	50	24	5	800.00
X3301-50C	500.00	86287	C	10	----	50	38	1	1,000.00
X3304-100	1,250.00	86229	C	10	----	20	11	1	2,500.00
X3304-50C	500.00	86228	C	10	----	50	12	1	1,000.00
X3324-100	15.00 EA	86232	C	10	----	18	53	1	30.00 EA
X3324-25	375.00	86230	C	10	----	25	19	1	750.00
X3324-50C	500.00	86231	C	10	----	25	36	1	1,000.00
0PC60	23.90 EA	84431	A	55	HH17	1	1	----	33.99 EA
1PS00-I	60.50 EA	85254	C	10	----	1	3	----	121.00 EA
1PS00-W	60.50 EA	85255	C	10	----	1	3	----	121.00 EA
5C200-M01	28.40 EA	03837		77	----	12	2	1	35.50 EA
5C200-M02	30.00 EA	03838		77	----	12	2	1	37.50 EA
5C200-M03	31.60 EA	03839		77	----	12	2	1	39.50 EA
5C200-M05	35.20 EA	03840		77	----	12	3	1	44.00 EA
5C200-M10	46.40 EA	03841		77	----	12	5	1	58.00 EA
5D000-1RM	17.14 EA	98061		77	----	1	2	----	21.43 EA
5D000-2RM	15.70 EA	98062		77	----	1	2	----	19.63 EA
5D000-2RP	17.14 EA	98063		77	----	1	1	----	21.43 EA
5D000-3RM	18.40 EA	05395		77	----	1	1	----	23.00 EA
5D000-3RP	40.00 EA	05396		77	----	1	1	----	50.00 EA
5F100-BLK	5.72 EA	94353		77	----	12	2	1	7.15 EA
5F100-BNC	23.61 EA	04418		71	----	12	2	1	29.51 EA
5F100-BPP	3.60 EA	04670		77	----	12	1	1	4.50 EA
5F100-CSC	58.86 EA	95121		77	----	12	2	1	73.58 EA
5F100-MT	4.88 EA	03981		77	----	12	1	1	6.10 EA
5F100-NST	8.57 EA	04498		77	----	12	2	1	10.71 EA
5F100-SC	8.57 EA	94350		77	----	12	1	1	10.71 EA
5F100-ST	8.57 EA	94349		77	----	12	1	1	10.71 EA
5F100-1ST	22.86 EA	95272		77	----	12	1	1	28.58 EA
5F100-3BC	35.71 EA	04672		77	----	12	2	1	44.64 EA
5F100-3CE	6.00 EA	98374		77	----	12	1	1	7.50 EA
5F100-3SC	35.71 EA	97041		77	----	12	2	1	44.64 EA
5F100-3ZC	54.29 EA	00576		77	----	12	1	1	67.86 EA
5F100-6BC	58.86 EA	97901		77	----	12	2	1	73.58 EA
5F100-6MC	30.80 EA	03988		77	----	12	2	1	38.50 EA
5F100-6QP	8.57 EA	94354		77	----	12	1	1	10.71 EA
5F100-6VF	10.23 EA	04414		71	----	12	2	1	12.79 EA
5F100-6ZC	112.86 EA	00574		77	----	12	2	1	141.08 EA
5F100-8ST	28.00 EA	04497		77	----	12	2	1	35.00 EA
* 5G108-RA5	3.49 EA	98299		72	----	50	1	1	4.36 EA
* 5G108-RB5	3.49 EA	98292		72	----	50	1	1	4.36 EA
* 5G108-RC5	3.49 EA	98316		72	----	50	1	1	4.36 EA
* 5G108-RE5	3.49 EA	98297		72	----	50	1	1	4.36 EA
* 5G108-RG5	3.49 EA	98296		72	----	50	1	1	4.36 EA
* 5G108-RI5	3.49 EA	98290		72	----	50	1	1	4.36 EA
* 5G108-RL5	3.49 EA	98302		72	----	50	1	1	4.36 EA
* 5G108-RO5	3.49 EA	98301		72	----	50	1	1	4.36 EA
* 5G108-RP5	3.49 EA	98315		72	----	50	1	1	4.36 EA
* 5G108-RR5	3.49 EA	98300		72	----	50	1	1	4.36 EA
* 5G108-RV5	3.49 EA	98314		72	----	50	1	1	4.36 EA
* 5G108-RW5	3.49 EA	98294		72	----	50	1	1	4.36 EA
* 5G108-RY5	3.49 EA	98303		72	----	50	1	1	4.36 EA
5G109-RA5	3.87 EA	04692		72	----	50	1	1	4.84 EA
5G109-RB5	3.87 EA	04687		72	----	50	1	1	4.84 EA
5G109-RC5	3.87 EA	04699		72	----	50	1	1	4.84 EA
5G109-RE5	3.87 EA	04691		72	----	50	1	1	4.84 EA
5G109-RG5	3.87 EA	04690		72	----	50	1	1	4.84 EA
5G109-RI5	3.87 EA	04686		72	----	50	1	1	4.84 EA
5G109-RL5	3.87 EA	04695		72	----	50	1	1	4.84 EA
5G109-RO5	3.87 EA	04694		72	----	50	1	1	4.84 EA
5G109-RP5	3.87 EA	04698		72	----	50	1	1	4.84 EA
5G109-RR5	3.87 EA	04693		72	----	50	1	1	4.84 EA
5G109-RV5	3.87 EA	04697		72	----	50	1	1	4.84 EA
5G109-RW5	3.87 EA	04688		72	----	50	1	1	4.84 EA
5G109-RY5	3.87 EA	04696		72	----	50	1	1	4.84 EA
5G455-10E	6.04 EA	03439		72	----	10	3	1	7.55 EA
5G455-10G	6.04 EA	03441		72	----	10	3	1	7.55 EA
5G455-10L	6.04 EA	03437		72	----	10	3	1	7.55 EA
5G455-10R	6.04 EA	03436		72	----	10	3	1	7.55 EA
5G455-10S	6.04 EA	03440		72	----	10	3	1	7.55 EA
5G455-10W	6.04 EA	03438		72	----	10	3	1	7.55 EA
5G455-10Y	6.04 EA	03442		72	----	10	3	1	7.55 EA
5G455-15E	8.71 EA	03446		72	----	10	4	1	10.89 EA
5G455-15G	8.71 EA	03448		72	----	10	4	1	10.89 EA
5G455-15L	8.71 EA	03444		72	----	10	4	1	10.89 EA
5G455-15R	8.71 EA	03443		72	----	10	4	1	10.89 EA
5G455-15S	8.71 EA	03447		72	----	10	4	1	10.89 EA
5G455-15W	8.71 EA	03445		72	----	10	4	1	10.89 EA
5G455-15Y	8.71 EA	03449		72	----	10	4	1	10.89 EA
5G455-20E	9.86 EA	03453		72	----	10	5	1	12.33 EA
5G455-20G	9.86 EA	03456		72	----	10	5	1	12.33 EA
5G455-20L	9.86 EA	03451		72	----	10	5	1	12.33 EA
5G455-20R	9.86 EA	03450		72	----	10	5	1	12.33 EA
5G455-20S	9.86 EA	03455		72	----	10	5	1	12.33 EA
5G455-20W	9.86 EA	03452		72	----	10	5	1	12.33 EA
5G455-20Y	9.86 EA	03457		72	----	10	5	1	12.33 EA
5G455-3E	4.14 EA	03416		72	----	50	5	1	5.18 EA
5G455-3G	4.14 EA	03419		72	----	50	5	1	5.18 EA
5G455-3L	4.14 EA	03414		72	----	50	5	1	5.18 EA
5G455-3R	4.14 EA	03413		72	----	50	5	1	5.18 EA
5G455-3S	4.14 EA	03417		72	----	50	5	1	5.18 EA
5G455-3W	4.14 EA	03415		72	----	50	5	1	5.18 EA
5G455-3Y	4.14 EA	03420		72	----	50	5	1	5.18 EA
5G455-5E	4.40 EA	03424		72	----	50	7	1	5.50 EA
5G455-5G	4.40 EA	03426		72	----	50	7	1	5.50 EA
5G455-5L	4.40 EA	03422		72	----	50	7	1	5.50 EA
5G455-5R	4.40 EA	03421		72	----	50	7	1	5.50 EA
5G455-5S	4.40 EA	03425		72	----	50	7	1	5.50 EA
5G455-5W	4.40 EA	03423		72	----	50	7	1	5.50 EA
5G455-5Y	4.40 EA	03427		72	----	50	7	1	5.50 EA
5G455-7E	5.17 EA	03431		72	----	10	2	1	6.46 EA
5G455-7G	5.17 EA	03434		72	----	10	2	1	6.46 EA
5G455-7L	5.17 EA	03429		72	----	10	2	1	6.46 EA
5G455-7R	5.17 EA	03428		72	----	10	2	1	6.46 EA
5G455-7S	5.17 EA	03432		72	----	10	2	1	6.46 EA
5G455-7W	5.17 EA	03430		72	----	10	2	1	6.46 EA
5G455-7Y	5.17 EA	03435		72	----	10	2	1	6.46 EA
5G484-B12	70.83 EA	98396		72	----	1	1	----	88.54 EA
5G484-B16	88.54 EA	98399		72	----	1	1	----	110.68 EA
5G484-B24	95.93 EA	98400		72	----	1	2	----	119.91 EA
5G484-B32	176.78 EA	98401		72	----	1	3	----	220.98 EA
5G484-B48	191.84 EA	98402		72	----	1	3	----	239.80 EA
5G484-B64	313.79 EA	98403		72	----	1	5	----	392.24 EA
5G484-B89	63.46 EA	98395		72	----	1	1	----	79.33 EA
5G484-B96	361.55 EA	98404		72	----	1	5	----	451.94 EA
5G485-A12	70.83 EA	98406		72	----	1	2	----	88.54 EA
5G485-A16	88.54 EA	98407		72	----	1	1	----	110.68 EA
5G485-A24	95.93 EA	98409		72	----	1	2	----	119.91 EA
5G485-A32	176.78 EA	98411		72	----	1	3	----	220.98 EA
5G485-A48	191.84 EA	98412		72	----	1	3	----	239.80 EA
5G485-A64	313.79 EA	98413		72	----	1	5	----	392.24 EA
5G485-A89	63.46 EA	98405		72	----	1	1	----	79.33 EA
5G485-A96	361.55 EA	98414		72	----	1	6	----	451.94 EA
5G584-U12	97.04 EA	05163		72	----	1	1	----	121.30 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
5G584-U24	105.14 EA	05164		72	----	1	2	----	131.43 EA
5G584-U48	210.26 EA	05165		72	----	1	3	----	262.83 EA
5G584-U89	77.63 EA	05162		72	----	1	1	----	97.04 EA
5G584-U96	396.27 EA	05166		72	----	1	5	----	495.34 EA
5H200-M01	25.20 EA	03824		77	----	12	2	1	31.50 EA
5H200-M02	25.00 EA	03825		77	----	12	2	1	32.50 EA
5H200-M03	28.00 EA	03826		77	----	12	2	1	35.00 EA
5H200-M05	31.20 EA	03827		77	----	12	3	1	39.00 EA
5H200-M10	42.40 EA	03828		77	----	12	2	1	53.00 EA
5L000-L0K	7.14 EA	94652		77	----	25	4	1	8.93 EA
5P030-AB	181.06 EA	88067		77	----	1	12	----	226.33 EA
5P030-HB	269.42 EA	88069		77	----	1	12	----	336.78 EA
5P130-N	180.86 EA	88122		77	----	1	12	----	226.08 EA
5P230-AB	194.00 EA	88073		77	----	1	12	----	242.50 EA
5P230-HB	278.00 EA	88079		77	----	1	12	----	347.50 EA
5P330-AA	185.14 EA	88071		77	----	1	11	----	231.43 EA
5P330-AB	306.57 EA	88075		77	----	1	13	----	383.21 EA
5P330-HA	185.14 EA	88077		77	----	1	12	----	231.43 EA
5P330-HB	399.46 EA	88081		77	----	1	12	----	499.33 EA
5R030-AB	137.14 EA	88066		77	----	1	11	----	171.43 EA
5R030-HB	150.00 EA	88068		77	----	1	11	----	187.50 EA
5R100-FR	8.57 EA	94905		77	----	15	3	1	10.71 EA
5R130-N	124.29 EA	88121		77	----	1	11	----	155.36 EA
5R230-AB	171.43 EA	88072		77	----	1	11	----	214.29 EA
5R230-HB	212.89 EA	88078		77	----	1	11	----	266.11 EA
5R330-AA	128.57 EA	88070		77	----	1	11	----	160.71 EA
* 5R330-AB	249.99 EA	88074		77	----	1	11	----	312.49 EA
5R330-HA	128.57 EA	88076		77	----	1	11	----	160.71 EA
* 5R330-HB	314.29 EA	88080		77	----	1	11	----	392.86 EA
5R430-N	175.64 EA	05390		77	----	1	13	----	219.55 EA
5R440-N	180.00 EA	05392		77	----	1	13	----	225.00 EA
5R460-N	192.00 EA	05393		77	----	1	12	----	240.00 EA
* 5R730-N	182.86 EA	88082		77	----	1	16	----	228.58 EA
5R740-N	190.00 EA	88083		77	----	1	16	----	237.50 EA
5R760-N	191.42 EA	88084		77	----	1	15	----	239.28 EA
5R930-N	282.86 EA	88085		77	----	1	24	----	353.58 EA
5R940-N	295.71 EA	88086		77	----	1	24	----	369.64 EA
5R960-N	299.14 EA	88087		77	----	1	24	----	373.93 EA
5S100-SLM	68.57 EA	94653		77	----	10	14	1	85.71 EA
5T000-ATT	22.13 EA	95530		77	----	10	1	1	27.66 EA
5T000-T	42.86 EA	94654		77	----	10	3	1	53.58 EA
5T000-3MT	7.14 EA	95531		77	----	10	1	1	8.93 EA
5T200-M01	20.48 EA	03832		77	----	12	2	1	25.60 EA
5T200-M02	22.15 EA	03833		77	----	12	2	1	27.69 EA
5T200-M03	24.00 EA	03834		77	----	12	2	1	30.00 EA
5T200-M05	27.60 EA	03835		77	----	12	3	1	34.50 EA
5T200-M10	38.40 EA	03836		77	----	12	5	1	48.00 EA
5W110-N	62.85 EA	88088		77	----	1	7	----	78.56 EA
5W120-N	72.86 EA	88089		77	----	1	8	----	91.08 EA
5W170-N	70.29 EA	88090		77	----	1	8	----	87.86 EA
* 5W310-N	85.71 EA	95445		77	----	1	13	----	107.14 EA
5W320-N	102.86 EA	95446		77	----	1	13	----	128.58 EA
5W370-N	98.57 EA	95447		77	----	1	13	----	123.21 EA
5W710-N	182.86 EA	88091		77	----	1	18	----	228.58 EA
5W720-N	192.86 EA	88092		77	----	1	18	----	241.08 EA
5W770-N	190.00 EA	88093		77	----	1	18	----	237.50 EA
6-B	127.00	10714	C	10	K2	250	10	25	254.00
6-N	144.60	11344	C	10	K2	250	10	25	289.20
10B21-E	3.90 EA	99706	E	59	----	10	2	1	5.09 EA
10B21-R	3.90 EA	99707	E	59	----	10	1	1	5.09 EA
10B22-E	3.90 EA	99708	E	59	----	1	1	Bulk	5.09 EA
10B22-R	3.90 EA	99709	E	59	----	1	1	Bulk	5.09 EA
10F21-E	8.50 EA	99737	E	59	----	1	1	Bulk	11.08 EA
10F21-R	8.50 EA	99738	E	59	----	1	1	Bulk	11.08 EA
10F22-E	17.30 EA	99739	E	59	----	10	1	Bulk	22.56 EA
10F22-R	17.30 EA	99742	E	59	----	1	1	Bulk	22.56 EA
10S21-E	3.90 EA	99696	E	59	----	10	3	1	5.09 EA
10S21-R	3.90 EA	99698	E	59	----	10	2	1	5.09 EA
10S22-E	3.90 EA	99704	E	59	----	10	2	1	5.09 EA
10S22-R	3.90 EA	99705	E	59	----	10	3	1	5.09 EA
12B21-E	5.60 EA	99716	E	59	----	1	1	Bulk	7.30 EA
12B21-R	5.60 EA	99717	E	59	----	1	1	Bulk	7.30 EA
12B22-E	5.60 EA	99718	E	59	----	1	1	Bulk	7.30 EA
12B22-R	5.60 EA	99719	E	59	----	1	1	Bulk	7.30 EA
12B23-E	7.00 EA	99720	E	59	----	1	1	Bulk	9.13 EA
12B23-R	7.00 EA	99721	E	59	----	1	1	Bulk	9.13 EA
12B24-E	5.60 EA	99729	E	59	----	1	1	Bulk	7.30 EA
12B24-R	5.60 EA	99732	E	59	----	1	1	Bulk	7.30 EA
12B25-E	5.60 EA	99733	E	59	----	1	1	Bulk	7.30 EA
12B25-R	5.60 EA	99734	E	59	----	1	1	Bulk	7.30 EA
12B26-E	7.00 EA	99735	E	59	----	10	10	1	9.13 EA
12B26-R	7.00 EA	99736	E	59	----	1	1	Bulk	9.13 EA
12F22-E	13.90 EA	99743	E	59	----	10	1	1	18.13 EA
12F22-R	13.90 EA	99744	E	59	----	1	1	Bulk	18.13 EA
12F23-E	13.90 EA	99745	E	59	----	1	1	Bulk	18.13 EA
12F23-R	13.90 EA	99746	E	59	----	1	1	Bulk	18.13 EA
12F24-E	16.90 EA	99747	E	59	----	10	1	1	22.04 EA
12F24-R	16.90 EA	99748	E	59	----	1	1	Bulk	22.04 EA
12F25-E	16.90 EA	99749	E	59	----	1	1	Bulk	22.04 EA
12F25-R	16.90 EA	99750	E	59	----	1	1	Bulk	22.04 EA
12R21-E	6.50 EA	99751	E	59	----	1	1	Bulk	8.48 EA
12R22-E	6.50 EA	99752	E	59	----	1	1	Bulk	8.48 EA
12R23-E	6.50 EA	99753	E	59	----	10	2	1	8.48 EA
12R24-E	6.50 EA	99755	E	59	----	10	1	1	8.48 EA
12S21-E	7.20 EA	99710	E	59	----	10	2	1	9.39 EA
12S21-R	7.20 EA	99711	E	59	----	10	2	1	9.39 EA
12S22-E	7.20 EA	99712	E	59	----	10	7	1	9.39 EA
12S22-R	7.20 EA	99713	E	59	----	10	7	1	9.39 EA
12S23-E	8.30 EA	99714	E	59	----	10	7	1	10.82 EA
12S23-R	8.30 EA	99715	E	59	----	10	7	1	10.82 EA
12S24-E	7.20 EA	99724	E	59	----	10	10	1	9.39 EA
12S24-R	7.20 EA	99723	E	59	----	10	1	1	9.39 EA
12S25-E	7.20 EA	99725	E	59	----	10	10	1	9.39 EA
12S25-R	7.20 EA	99726	E	59	----	10	1	1	9.39 EA
12S26-E	7.20 EA	99727	E	59	----	10	2	1	9.39 EA
12S26-R	7.20 EA	99728	E	59	----	10	10	1	9.39 EA
14W33	1,086.70	84831	A	54	----	20	4	10	1,545.20
14W47	952.80	84829	A	54	----	20	5	10	1,354.80
14W47-B	1,288.50	01297	A	54	----	20	5	10	1,832.20
14W48	1,133.00	84832	A	54	----	20	4	10	1,611.10
14W49	1,050.60	84830	A	56	----	20	5	10	1,493.90
15A21-B	32.50 EA	98764	E	59	----	10	4	1	42.51 EA
15A21-E	32.60 EA	98761	E	59	----	10	4	1	42.51 EA
15A21-G	32.60 EA	98765	E	59	----	10	4	1	42.51 EA
15A21-H	32.60 EA	98768	E	59	----	10	4	1	42.51 EA
15A21-O	32.60 EA	98767	E	59	----	10	4	1	42.51 EA
15A21-R	32.60 EA	98763	E	59	----	10	4	1	42.51 EA
15A21-W	32.60 EA	98762	E	59	----	10	4	1	42.51 EA
15A21-Y	32.60 EA	98766	E	59	----	10	4	1	42.51 EA
15A22-B	32.60 EA	98772	E	59	----	10	10	1	42.51 EA
15A22-E	32.60 EA	98769	E	59	----	10	10	1	42.51 EA
15A22-G	32.60 EA	98773	E	59	----	10	10	1	42.51 EA
15A22-H	32.60 EA	98776	E	59	----	10	4	1	42.51 EA
15A22-O	32.60 EA	98775	E	59	----	10	2	1	42.51 EA
15A22-R	32.60 EA	98771	E	59	----	10	10	1	42.51 EA
15A22-W	32.60 EA	98770	E	59	----	10	10	1	42.51 EA
15A22-Y	32.60 EA	98774	E	59	----	10	4	1	42.51 EA
15A23-B	26.20 EA	98780	E	59	----	10	3	1	34.16 EA
15A23-E	26.20 EA	98777	E	59	----	10	3	1	34.16 EA
15A23-G	26.20 EA	98781	E	59	----	10	3	1	34.16 EA
15A23-H	26.20 EA	98784	E	59	----	10	3	1	34.16 EA
15A23-O	26.20 EA	98783	E	59	----	10	3	1	34.16 EA
15A23-R	26.20 EA	98779	E	59	----	10	3	1	34.16 EA
15A23-W	26.20 EA	98778	E	59	----	10	3	1	34.16 EA
15A23-Y	26.20 EA	98782	E	59	----	10	3	1	34.16 EA
15CLF	19.10 EA	00079	E	59	----	10	6	1	24.91 EA
15CLM	19.10 EA	00080	E	59	----	10	6	1	24.91 EA
15D21-B	7.80 EA	02078	E	59	----	10	2	1	10.17 EA
15D21-C	4.20 EA	02072	E	59	----	10	1	1	5.48 EA
15D21-E	7.80 EA	02073	E	59	----	10	2	1	10.17 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
15D21-G	7.80 EA	02079	E	59	----	10	2	1	10.17 EA
15D21-H	7.80 EA	98649	E	59	----	10	3	1	10.17 EA
15D21-O	7.80 EA	98648	E	59	----	10	3	1	10.17 EA
15D21-R	7.80 EA	02077	E	59	----	10	2	1	10.17 EA
15D21-W	7.80 EA	02074	E	59	----	10	2	1	10.17 EA
15D21-Y	7.80 EA	98647	E	59	----	10	3	1	10.17 EA
15D22-B	7.80 EA	02147	E	59	----	10	2	1	10.17 EA
15D22-C	4.20 EA	02105	E	59	----	10	2	1	5.48 EA
15D22-E	7.80 EA	02106	E	59	----	10	2	1	10.17 EA
15D22-G	7.80 EA	02172	E	59	----	10	2	1	10.17 EA
15D22-H	7.80 EA	98656	E	59	----	10	2	1	10.17 EA
15D22-O	7.80 EA	98655	E	59	----	10	2	1	10.17 EA
15D22-R	7.80 EA	02143	E	59	----	10	2	1	10.17 EA
15D22-W	7.80 EA	02122	E	59	----	10	2	1	10.17 EA
15D22-Y	7.80 EA	98654	E	59	----	10	2	1	10.17 EA
15D23-B	10.60 EA	03040	E	59	----	10	2	1	13.82 EA
15D23-C	4.40 EA	99906	E	59	----	10	2	1	5.74 EA
15D23-E	10.60 EA	03035	E	59	----	10	2	1	13.82 EA
15D23-G	10.60 EA	03042	E	59	----	10	2	1	13.82 EA
15D23-R	10.60 EA	03039	E	59	----	10	2	1	13.82 EA
15D23-W	10.60 EA	03037	E	59	----	10	2	1	13.82 EA
15D24-B	7.80 EA	03047	E	59	----	10	2	1	10.17 EA
15D24-C	4.40 EA	99905	E	59	----	10	2	1	5.74 EA
15D24-E	7.80 EA	03043	E	59	----	10	2	1	10.17 EA
15D24-G	7.80 EA	03049	E	59	----	10	2	1	10.17 EA
15D24-R	7.80 EA	03046	E	59	----	10	2	1	10.17 EA
15D24-W	7.80 EA	03044	E	59	----	10	2	1	10.17 EA
15F21-B	20.00 EA	98748	E	59	----	10	2	1	26.08 EA
15F21-E	20.00 EA	98745	E	59	----	10	2	1	26.08 EA
15F21-G	20.00 EA	98749	E	59	----	10	2	1	26.08 EA
15F21-H	20.00 EA	98752	E	59	----	10	2	1	26.08 EA
15F21-O	20.00 EA	98751	E	59	----	10	2	1	26.08 EA
15F21-R	20.00 EA	98747	E	59	----	10	2	1	26.08 EA
15F21-W	20.00 EA	98746	E	59	----	10	2	1	26.08 EA
15F21-Y	20.00 EA	98750	E	59	----	10	1	1	26.08 EA
15F22-B	20.00 EA	98756	E	59	----	10	2	1	26.08 EA
15F22-E	20.00 EA	98753	E	59	----	10	2	1	26.08 EA
15F22-G	20.00 EA	98757	E	59	----	10	2	1	26.08 EA
15F22-H	20.00 EA	98760	E	59	----	10	2	1	26.08 EA
15F22-O	20.00 EA	98759	E	59	----	10	2	1	26.08 EA
15F22-R	20.00 EA	98755	E	59	----	10	2	1	26.08 EA
15F22-W	20.00 EA	98754	E	59	----	10	2	1	26.08 EA
15F22-Y	20.00 EA	98758	E	59	----	10	2	1	26.08 EA
15P21-E	7.20 EA	98785	E	59	----	10	1	1	9.39 EA
15P22-E	7.20 EA	98793	E	59	----	10	1	1	9.39 EA
15R21-B	10.60 EA	98683	E	59	----	10	2	1	13.82 EA
15R21-E	10.60 EA	98680	E	59	----	10	2	1	13.82 EA
15R21-G	10.60 EA	98684	E	59	----	10	2	1	13.82 EA
15R21-H	10.60 EA	98687	E	59	----	10	2	1	13.82 EA
15R21-O	10.60 EA	98686	E	59	----	10	2	1	13.82 EA
15R21-R	10.60 EA	98682	E	59	----	10	2	1	13.82 EA
15R21-W	10.60 EA	98681	E	59	----	10	2	1	13.82 EA
15R21-Y	10.60 EA	98685	E	59	----	10	2	1	13.82 EA
15R22-B	10.60 EA	98691	E	59	----	10	2	1	13.82 EA
15R22-E	10.60 EA	98688	E	59	----	10	3	1	13.82 EA
15R22-G	10.60 EA	98692	E	59	----	10	3	1	13.82 EA
15R22-H	10.60 EA	98695	E	59	----	10	3	1	13.82 EA
15R22-O	10.60 EA	98694	E	59	----	10	3	1	13.82 EA
15R22-R	10.60 EA	98690	E	59	----	10	2	1	13.82 EA
15R22-W	10.60 EA	98689	E	59	----	10	3	1	13.82 EA
15R22-Y	10.60 EA	98693	E	59	----	10	2	1	13.82 EA
15R23-W	12.80 EA	99974	E	59	----	10	2	1	16.69 EA
15R24-B	12.80 EA	99981	E	59	----	10	3	1	16.69 EA
15R24-E	12.80 EA	99978	E	59	----	10	3	1	16.69 EA
15R24-G	12.80 EA	99982	E	59	----	10	3	1	16.69 EA
15R24-R	12.80 EA	99980	E	59	----	10	3	1	16.69 EA
15R24-W	12.80 EA	99979	E	59	----	10	3	1	16.69 EA
15SCN	3.80 EA	00085	E	59	----	0		Bulk	4.96 EA
15SDF-48B	3.50 EA	99967	E	59	----	10	1	1	4.56 EA
15SDF-48E	3.50 EA	99511	E	59	----	10	1	1	4.56 EA
15SDF-48G	3.50 EA	99968	E	59	----	10	1	1	4.56 EA
15SDF-48H	3.50 EA	99971	E	59	----	10	1	1	4.56 EA
15SDF-48O	3.50 EA	99970	E	59	----	10	1	1	4.56 EA
15SDF-48R	3.50 EA	99966	E	59	----	10	1	1	4.56 EA
15SDF-48W	3.50 EA	99965	E	59	----	10	1	1	4.56 EA
15SDF-48Y	3.50 EA	99969	E	59	----	10	1	1	4.56 EA
15SDM-48B	3.50 EA	99960	E	59	----	10	1	1	4.56 EA
15SDM-48E	3.50 EA	99510	E	59	----	10	1	1	4.56 EA
15SDM-48G	3.50 EA	99961	E	59	----	10	1	1	4.56 EA
15SDM-48H	3.50 EA	99964	E	59	----	10	1	1	4.56 EA
15SDM-48O	3.50 EA	99963	E	59	----	10	1	1	4.56 EA
15SDM-48R	3.50 EA	99959	E	59	----	10	1	1	4.56 EA
15SDM-48W	3.50 EA	99922	E	59	----	10	1	1	4.56 EA
15SDM-48Y	3.50 EA	99962	E	59	----	10	1	1	4.56 EA
15W33	1,488.40	84826	A	54	----	20	8	10	2,116.50
15W47	1,395.70	84824	A	54	----	20	8	10	1,984.60
15W47-B	1,859.20	01296	A	54	----	20	4	10	2,643.70
15W48	1,699.50	84827	A	54	----	20	4	10	2,416.60
15W49	1,617.10	84825	A	54	----	20	8	10	2,299.50
16A21-B	33.60 EA	99055	E	59	----	10	10	1	43.81 EA
16A21-E	33.60 EA	02173	E	59	----	5	5	1	43.81 EA
16A21-G	33.60 EA	02174	E	59	----	5	5	1	43.81 EA
16A21-H	33.60 EA	99059	E	59	----	10	10	1	43.81 EA
16A21-O	33.60 EA	99058	E	59	----	10	10	1	43.81 EA
16A21-R	33.60 EA	99054	E	59	----	10	10	1	43.81 EA
16A21-W	33.60 EA	99053	E	59	----	10	10	1	43.81 EA
16A21-Y	33.60 EA	99057	E	59	----	10	10	1	43.81 EA
16A22-B	33.60 EA	02244	E	59	----	5	6	1	43.81 EA
16A22-E	33.60 EA	02241	E	59	----	5	6	1	43.81 EA
16A22-G	33.60 EA	02245	E	59	----	5	6	1	43.81 EA
16A22-H	33.60 EA	99068	E	59	----	5	6	1	43.81 EA
16A22-O	33.60 EA	99067	E	59	----	5	6	1	43.81 EA
16A22-R	33.60 EA	02243	E	59	----	5	6	1	43.81 EA
16A22-W	33.60 EA	02242	E	59	----	5	6	1	43.81 EA
16A22-Y	33.60 EA	99066	E	59	----	5	6	1	43.81 EA
16A23-B	53.50 EA	99072	E	59	----	3	11	1	69.76 EA
16A23-E	53.50 EA	02397	E	59	----	3	11	1	69.76 EA
16A23-G	53.50 EA	99073	E	59	----	3	11	1	69.76 EA
16A23-H	53.50 EA	99076	E	59	----	3	11	1	69.76 EA
16A23-O	53.50 EA	99075	E	59	----	3	11	1	69.76 EA
16A23-R	53.50 EA	99071	E	59	----	3	11	1	69.76 EA
16A23-W	53.50 EA	99070	E	59	----	3	11	1	69.76 EA
16A23-Y	53.50 EA	99074	E	59	----	3	11	1	69.76 EA
16A24-B	26.90 EA	99080	E	59	----	10	8	1	35.08 EA
16A24-E	26.90 EA	99077	E	59	----	10	8	1	35.08 EA
16A24-G	26.90 EA	99081	E	59	----	10	8	1	35.08 EA
16A24-H	26.90 EA	99084	E	59	----	10	8	1	35.08 EA
16A24-O	26.90 EA	99083	E	59	----	10	8	1	35.08 EA
16A24-R	26.90 EA	99079	E	59	----	10	8	1	35.08 EA
16A24-W	26.90 EA	99078	E	59	----	10	8	1	35.08 EA
16A24-Y	26.90 EA	99082	E	59	----	10	8	1	35.08 EA
16A25-B	26.90 EA	99088	E	59	----	10	7	1	35.08 EA
16A25-E	26.90 EA	99085	E	59	----	10	7	1	35.08 EA
16A25-G	26.90 EA	99089	E	59	----	10	7	1	35.08 EA
16A25-H	26.90 EA	99093	E	59	----	10	7	1	35.08 EA
16A25-O	26.90 EA	99092	E	59	----	10	7	1	35.08 EA
16A25-R	26.90 EA	99087	E	59	----	10	7	1	35.08 EA
16A25-W	26.90 EA	99086	E	59	----	10	7	1	35.08 EA
16A25-Y	26.90 EA	99091	E	59	----	10	7	1	35.08 EA
16A26-E	53.50 EA	00106	E	59	----	3	6	1	69.76 EA
16A26-G	53.50 EA	00108	E	59	----	3	11	1	69.76 EA
16A26-W	53.50 EA	00107	E	59	----	3	6	1	69.76 EA
16CLF	19.10 EA	00081	E	59	----	5	4	1	24.91 EA
16CLM	19.10 EA	00082	E	59	----	5	5	1	24.91 EA
16D21-B	10.60 EA	98807	E	59	----	10	8	1	13.82 EA
16D21-C	5.60 EA	99908	E	59	----	10	5	1	7.30 EA
16D21-E	10.60 EA	98802	E	59	----	10	6	1	13.82 EA
16D21-G	10.60 EA	98808	E	59	----	10	8	1	13.82 EA
16D21-H	10.60 EA	98810	E	59	----	10	8	1	13.82 EA
16D21-O	10.60 EA	98811	E	59	----	10	7	1	13.82 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
16D21-R	10.60 EA	98805	E	59	----	10	8	1	13.82 EA
16D21-W	10.60 EA	98804	E	59	----	10	8	1	13.82 EA
16D21-Y	10.60 EA	98809	E	59	----	10	8	1	13.82 EA
16D22-B	12.60 EA	02262	E	59	----	10	7	1	16.43 EA
16D22-C	7.60 EA	02246	E	59	----	10	5	1	9.91 EA
16D22-E	12.60 EA	02247	E	59	----	10	7	1	16.43 EA
16D22-G	12.60 EA	02263	E	59	----	10	7	1	16.43 EA
16D22-H	12.60 EA	98819	E	59	----	10	6	1	16.43 EA
16D22-O	12.60 EA	98818	E	59	----	10	6	1	16.43 EA
16D22-R	12.60 EA	02249	E	59	----	10	7	1	16.43 EA
16D22-W	12.60 EA	02248	E	59	----	10	7	1	16.43 EA
16D22-Y	12.60 EA	98817	E	59	----	10	6	1	16.43 EA
16D23-B	11.10 EA	98825	E	59	----	10	7	1	14.47 EA
16D23-C	6.10 EA	99909	E	59	----	10	7	1	7.95 EA
16D23-E	11.10 EA	98822	E	59	----	10	9	1	14.47 EA
16D23-G	11.10 EA	98826	E	59	----	10	9	1	14.47 EA
16D23-H	11.10 EA	98829	E	59	----	10	8	1	14.47 EA
16D23-O	11.10 EA	98828	E	59	----	10	8	1	14.47 EA
16D23-R	11.10 EA	98824	E	59	----	10	7	1	14.47 EA
16D23-W	11.10 EA	98823	E	59	----	10	7	1	14.47 EA
16D23-Y	11.10 EA	98827	E	59	----	10	8	1	14.47 EA
16D24-B	12.60 EA	02268	E	59	----	10	7	1	16.43 EA
16D24-C	7.60 EA	02264	E	59	----	10	5	1	9.91 EA
16D24-E	12.60 EA	02265	E	59	----	10	7	1	16.43 EA
16D24-G	12.60 EA	02269	E	59	----	10	7	1	16.43 EA
16D24-H	12.60 EA	98835	E	59	----	10	7	1	16.43 EA
16D24-O	12.60 EA	02271	E	59	----	10	7	1	16.43 EA
16D24-R	12.60 EA	02267	E	59	----	10	7	1	16.43 EA
16D24-W	12.60 EA	02266	E	59	----	10	7	1	16.43 EA
16D24-Y	12.60 EA	02270	E	59	----	10	7	1	16.43 EA
16D25-B	10.10 EA	98839	E	59	----	10	6	1	13.17 EA
16D25-C	5.10 EA	99917	E	59	----	10	4	1	6.65 EA
16D25-E	10.10 EA	98836	E	59	----	10	6	1	13.17 EA
16D25-G	10.10 EA	98840	E	59	----	10	6	1	13.17 EA
16D25-H	10.10 EA	98843	E	59	----	10	6	1	13.17 EA
16D25-O	10.10 EA	98842	E	59	----	10	6	1	13.17 EA
16D25-R	10.10 EA	98838	E	59	----	10	6	1	13.17 EA
16D25-W	10.10 EA	98837	E	59	----	10	6	1	13.17 EA
16D25-Y	10.10 EA	98841	E	59	----	10	6	1	13.17 EA
16D26-B	10.10 EA	98847	E	59	----	10	5	1	13.17 EA
16D26-C	5.10 EA	99918	E	59	----	10	4	1	6.65 EA
16D26-E	10.10 EA	98844	E	59	----	10	5	1	13.17 EA
16D26-G	10.10 EA	98848	E	59	----	10	5	1	13.17 EA
16D26-H	10.10 EA	98852	E	59	----	10	5	1	13.17 EA
16D26-O	10.10 EA	98851	E	59	----	10	5	1	13.17 EA
16D26-R	10.10 EA	98846	E	59	----	10	5	1	13.17 EA
16D26-W	10.10 EA	98845	E	59	----	10	5	1	13.17 EA
16D26-Y	10.10 EA	98849	E	59	----	10	5	1	13.17 EA
16D27-B	11.10 EA	98856	E	59	----	10	6	1	14.47 EA
16D27-C	5.20 EA	99919	E	59	----	10	4	1	6.78 EA
16D27-E	11.10 EA	98853	E	59	----	10	6	1	14.47 EA
16D27-G	11.10 EA	98858	E	59	----	10	6	1	14.47 EA
16D27-H	11.10 EA	98861	E	59	----	10	6	1	14.47 EA
16D27-O	11.10 EA	98860	E	59	----	10	6	1	14.47 EA
16D27-R	11.10 EA	98855	E	59	----	10	6	1	14.47 EA
16D27-W	11.10 EA	98854	E	59	----	10	6	1	14.47 EA
16D27-Y	11.10 EA	98859	E	59	----	10	6	1	14.47 EA
16D28-B	11.10 EA	98865	E	59	----	10	6	1	14.47 EA
16D28-C	6.10 EA	99912	E	59	----	10	5	1	7.95 EA
16D28-E	11.10 EA	98862	E	59	----	10	6	1	14.47 EA
16D28-G	11.10 EA	98866	E	59	----	10	6	1	14.47 EA
16D28-H	11.10 EA	98869	E	59	----	10	6	1	14.47 EA
16D28-O	11.10 EA	98868	E	59	----	10	6	1	14.47 EA
16D28-R	11.10 EA	98864	E	59	----	10	6	1	14.47 EA
16D28-W	11.10 EA	98863	E	59	----	10	6	1	14.47 EA
16D28-Y	11.10 EA	98867	E	59	----	10	6	1	14.47 EA
16D29-B	10.60 EA	98878	E	59	----	10	8	1	13.82 EA
16D29-C	5.60 EA	99913	E	59	----	10	5	1	7.30 EA
16D29-E	10.60 EA	02274	E	59	----	10	6	1	13.82 EA
16D29-G	10.60 EA	98883	E	59	----	10	8	1	13.82 EA
16D29-H	10.60 EA	98885	E	59	----	10	8	1	13.82 EA
16D29-O	10.60 EA	98884	E	59	----	10	8	1	13.82 EA
16D29-R	10.60 EA	98879	E	59	----	10	8	1	13.82 EA
16D29-W	10.60 EA	98880	E	59	----	10	8	1	13.82 EA
16D29-Y	10.60 EA	98882	E	59	----	10	8	1	13.82 EA
16D31-B	12.60 EA	02279	E	59	----	10	7	1	16.43 EA
16D31-C	7.60 EA	02275	E	59	----	10	5	1	9.91 EA
16D31-E	12.60 EA	02276	E	59	----	10	7	1	16.43 EA
16D31-G	12.60 EA	02280	E	59	----	10	7	1	16.43 EA
16D31-H	12.60 EA	98877	E	59	----	10	7	1	16.43 EA
16D31-O	12.60 EA	98876	E	59	----	10	7	1	16.43 EA
16D31-R	12.60 EA	02278	E	59	----	10	7	1	16.43 EA
16D31-W	12.60 EA	02277	E	59	----	10	7	1	16.43 EA
16D31-Y	12.60 EA	98875	E	59	----	10	7	1	16.43 EA
16D32-B	11.10 EA	98889	E	59	----	10	7	1	14.47 EA
16D32-C	6.10 EA	99920	E	59	----	10	5	1	7.95 EA
16D32-E	11.10 EA	98886	E	59	----	10	7	1	14.47 EA
16D32-G	11.10 EA	98890	E	59	----	10	7	1	14.47 EA
16D32-H	11.10 EA	98893	E	59	----	10	7	1	14.47 EA
16D32-O	11.10 EA	98892	E	59	----	10	7	1	14.47 EA
16D32-R	11.10 EA	98888	E	59	----	10	7	1	14.47 EA
16D32-W	11.10 EA	98887	E	59	----	10	7	1	14.47 EA
16D32-Y	11.10 EA	98891	E	59	----	10	7	1	14.47 EA
16D33-B	12.60 EA	02286	E	59	----	10	7	1	16.43 EA
16D33-C	7.60 EA	02282	E	59	----	10	6	1	9.91 EA
16D33-E	12.60 EA	02283	E	59	----	10	7	1	16.43 EA
16D33-G	12.60 EA	02287	E	59	----	10	7	1	16.43 EA
16D33-H	12.60 EA	98902	E	59	----	10	7	1	16.43 EA
16D33-O	12.60 EA	02289	E	59	----	10	7	1	16.43 EA
16D33-R	12.60 EA	02285	E	59	----	10	7	1	16.43 EA
16D33-W	12.60 EA	02284	E	59	----	10	7	1	16.43 EA
16D33-Y	12.60 EA	02288	E	59	----	10	7	1	16.43 EA
16D34-B	10.10 EA	98906	E	59	----	10	6	1	13.17 EA
16D34-C	5.10 EA	99940	E	59	----	10	3	1	6.65 EA
16D34-E	10.10 EA	98903	E	59	----	10	6	1	13.17 EA
16D34-G	10.10 EA	98907	E	59	----	10	5	1	13.17 EA
16D34-H	10.10 EA	98910	E	59	----	10	5	1	13.17 EA
16D34-O	10.10 EA	98909	E	59	----	10	5	1	13.17 EA
16D34-R	10.10 EA	98905	E	59	----	10	5	1	13.17 EA
16D34-W	10.10 EA	98904	E	59	----	10	5	1	13.17 EA
16D34-Y	10.10 EA	98908	E	59	----	10	5	1	13.17 EA
16D35-B	10.10 EA	98914	E	59	----	10	5	1	13.17 EA
16D35-C	5.10 EA	99941	E	59	----	10	3	1	6.65 EA
16D35-E	10.10 EA	98911	E	59	----	10	5	1	13.17 EA
16D35-G	10.10 EA	98915	E	59	----	10	5	1	13.17 EA
16D35-H	10.10 EA	98918	E	59	----	10	5	1	13.17 EA
16D35-O	10.10 EA	98917	E	59	----	10	5	1	13.17 EA
16D35-R	10.10 EA	98913	E	59	----	10	5	1	13.17 EA
16D35-W	10.10 EA	98912	E	59	----	10	5	1	13.17 EA
16D35-Y	10.10 EA	98916	E	59	----	10	5	1	13.17 EA
16D36-B	11.10 EA	98922	E	59	----	10	6	1	14.47 EA
16D36-C	6.10 EA	99942	E	59	----	10	4	1	7.95 EA
16D36-E	11.10 EA	98919	E	59	----	10	6	1	14.47 EA
16D36-G	11.10 EA	98923	E	59	----	10	6	1	14.47 EA
16D36-H	11.10 EA	98926	E	59	----	10	6	1	14.47 EA
16D36-O	11.10 EA	98925	E	59	----	10	6	1	14.47 EA
16D36-R	11.10 EA	98921	E	59	----	10	6	1	14.47 EA
16D36-W	11.10 EA	98920	E	59	----	10	6	1	14.47 EA
16D36-Y	11.10 EA	98924	E	59	----	10	6	1	14.47 EA
16D37-B	11.10 EA	98930	E	59	----	10	7	1	14.47 EA
16D37-C	6.10 EA	99921	E	59	----	10	5	1	7.95 EA
16D37-E	11.10 EA	98927	E	59	----	10	7	1	14.47 EA
16D37-G	11.10 EA	98931	E	59	----	10	7	1	14.47 EA
16D37-H	11.10 EA	98934	E	59	----	10	7	1	14.47 EA
16D37-O	11.10 EA	98933	E	59	----	10	7	1	14.47 EA
16D37-R	11.10 EA	98929	E	59	----	10	7	1	14.47 EA
16D37-W	11.10 EA	98928	E	59	----	10	7	1	14.47 EA
16D37-Y	11.10 EA	98932	E	59	----	10	7	1	14.47 EA
16D38-C	7.70 EA	02292	E	59	----	10	5	1	10.04 EA
16D39-C	7.60 EA	02293	E	59	----	10	5	1	9.91 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
16F21-B	16.50 EA	00221	E	59	----	10	10	1	21.52 EA
16F21-E	16.50 EA	99032	E	59	----	10	10	1	21.52 EA
16F21-G	16.50 EA	00222	E	59	----	10	10	1	21.52 EA
16F21-H	16.50 EA	00225	E	59	----	10	10	1	21.52 EA
16F21-O	16.50 EA	00224	E	59	----	10	10	1	21.52 EA
16F21-R	16.50 EA	00220	E	59	----	10	10	1	21.52 EA
16F21-W	16.50 EA	00219	E	59	----	10	10	1	21.52 EA
16F21-Y	16.50 EA	00223	E	59	----	10	10	1	21.52 EA
16F22-B	16.50 EA	99037	E	59	----	10	5	1	21.52 EA
16F22-E	16.50 EA	99034	E	59	----	10	5	1	21.52 EA
16F22-G	16.50 EA	99038	E	59	----	10	5	1	21.52 EA
16F22-H	16.50 EA	99041	E	59	----	10	5	1	21.52 EA
16F22-O	16.50 EA	99040	E	59	----	10	5	1	21.52 EA
16F22-R	16.50 EA	99036	E	59	----	10	5	1	21.52 EA
16F22-W	16.50 EA	99035	E	59	----	10	5	1	21.52 EA
16F22-Y	16.50 EA	99039	E	59	----	10	5	1	21.52 EA
16M22-B	16.50 EA	00015	E	59	----	10	6	1	21.52 EA
16M22-E	16.50 EA	00012	E	59	----	10	6	1	21.52 EA
16M22-G	16.50 EA	00016	E	59	----	10	6	1	21.52 EA
16M22-R	16.50 EA	00014	E	59	----	10	6	1	21.52 EA
16M22-W	16.50 EA	00013	E	59	----	10	6	1	21.52 EA
16P21-B	5.80 EA	00162	E	59	----	10	2	1	7.56 EA
16P21-E	5.80 EA	02294	E	59	----	5	1	1	7.56 EA
16P21-G	5.80 EA	02295	E	59	----	5	1	1	7.56 EA
16P21-H	5.80 EA	00166	E	59	----	10	2	1	7.56 EA
16P21-O	5.80 EA	00165	E	59	----	10	1	1	7.56 EA
16P21-R	5.80 EA	99028	E	59	----	10	2	1	7.56 EA
16P21-W	5.80 EA	99027	E	59	----	10	2	1	7.56 EA
16P21-Y	5.80 EA	00164	E	59	----	10	2	1	7.56 EA
16P22-B	5.80 EA	02299	E	59	----	5	1	1	7.56 EA
16P22-E	5.80 EA	02296	E	59	----	5	1	1	7.56 EA
16P22-G	5.80 EA	02300	E	59	----	5	1	1	7.56 EA
16P22-H	5.80 EA	00173	E	59	----	10	2	1	7.56 EA
16P22-O	5.80 EA	00172	E	59	----	10	2	1	7.56 EA
16P22-R	5.80 EA	02298	E	59	----	5	1	1	7.56 EA
16P22-W	5.80 EA	02297	E	59	----	5	1	1	7.56 EA
16P22-Y	5.80 EA	00171	E	59	----	10	2	1	7.56 EA
16RSP	3.70 EA	00217	E	59	----	10	1	1	4.82 EA
16R21-B	19.00 EA	02304	E	59	----	5	5	1	24.78 EA
16R21-E	19.00 EA	02301	E	59	----	5	5	1	24.78 EA
16R21-G	19.00 EA	02310	E	59	----	5	5	1	24.78 EA
16R21-H	19.00 EA	99009	E	59	----	5	5	1	24.78 EA
16R21-O	19.00 EA	99008	E	59	----	5	5	1	24.78 EA
16R21-R	19.00 EA	02303	E	59	----	5	5	1	24.78 EA
16R21-W	19.00 EA	02302	E	59	----	5	5	1	24.78 EA
16R21-Y	19.00 EA	99007	E	59	----	5	5	1	24.78 EA
16R22-B	19.00 EA	02316	E	59	----	5	5	1	24.78 EA
16R22-E	19.00 EA	02311	E	59	----	5	5	1	24.78 EA
16R22-G	19.00 EA	02318	E	59	----	5	5	1	24.78 EA
16R22-H	19.00 EA	99017	E	59	----	5	1	1	24.78 EA
16R22-O	19.00 EA	99016	E	59	----	5	1	1	24.78 EA
16R22-R	19.00 EA	02313	E	59	----	5	5	1	24.78 EA
16R22-W	19.00 EA	02312	E	59	----	5	5	1	24.78 EA
16R22-Y	19.00 EA	99015	E	59	----	5	1	1	24.78 EA
16R23-B	13.90 EA	02323	E	59	----	5	4	1	18.13 EA
16R23-E	13.90 EA	02320	E	59	----	5	4	1	18.13 EA
16R23-G	13.90 EA	02324	E	59	----	5	4	1	18.13 EA
16R23-H	13.90 EA	99025	E	59	----	5	4	1	18.13 EA
16R23-O	13.90 EA	99024	E	59	----	5	4	1	18.13 EA
16R23-R	13.90 EA	02322	E	59	----	5	4	1	18.13 EA
16R23-W	13.90 EA	02321	E	59	----	5	4	1	18.13 EA
16R23-Y	13.90 EA	99023	E	59	----	5	4	1	18.13 EA
16R23-10B	14.20 EA	99998	E	59	----	5	4	1	18.52 EA
16R23-10E	14.20 EA	99995	E	59	----	5	4	1	18.52 EA
16R23-10G	14.20 EA	00003	E	59	----	5	4	1	18.52 EA
16R23-10R	14.20 EA	99997	E	59	----	5	4	1	18.52 EA
16R23-10W	14.20 EA	99996	E	59	----	5	4	1	18.52 EA
16R23-11B	14.40 EA	00020	E	59	----	5	3	1	18.78 EA
16R23-11E	14.40 EA	00017	E	59	----	5	3	1	18.78 EA
16R23-11G	14.40 EA	00021	E	59	----	5	5	1	18.78 EA
16R23-11R	14.40 EA	00019	E	59	----	5	3	1	18.78 EA
16R23-11W	14.40 EA	00018	E	59	----	5	6	1	18.78 EA
16R23-12B	14.60 EA	00030	E	59	----	5	5	1	19.04 EA
16R23-12E	14.60 EA	00027	E	59	----	5	6	1	19.04 EA
16R23-12G	14.60 EA	00031	E	59	----	5	6	1	19.04 EA
16R23-12R	14.60 EA	00029	E	59	----	5	5	1	19.04 EA
16R23-12W	14.60 EA	00028	E	59	----	5	6	1	19.04 EA
16R23-14B	14.90 EA	00041	E	59	----	5	6	1	19.43 EA
16R23-14E	14.90 EA	00038	E	59	----	5	6	1	19.43 EA
16R23-14G	14.90 EA	00042	E	59	----	5	3	1	19.43 EA
16R23-14H	14.90 EA	00054	E	59	----	5	3	1	19.43 EA
16R23-14O	14.90 EA	00053	E	59	----	5	3	1	19.43 EA
16R23-14R	14.90 EA	00040	E	59	----	5	6	1	19.43 EA
16R23-14W	14.90 EA	00039	E	59	----	5	6	1	19.43 EA
16R23-14Y	14.90 EA	00052	E	59	----	5	3	1	19.43 EA
16R24-B	13.90 EA	02328	E	59	----	5	4	1	18.13 EA
16R24-E	13.90 EA	02325	E	59	----	5	4	1	18.13 EA
16R24-G	13.90 EA	02329	E	59	----	5	4	1	18.13 EA
16R24-H	13.90 EA	99051	E	59	----	5	4	1	18.13 EA
16R24-O	13.90 EA	99050	E	59	----	5	4	1	18.13 EA
16R24-R	13.90 EA	02327	E	59	----	5	4	1	18.13 EA
16R24-W	13.90 EA	02326	E	59	----	5	4	1	18.13 EA
16R24-Y	13.90 EA	99049	E	59	----	5	4	1	18.13 EA
16R24-10B	14.20 EA	00008	E	59	----	5	4	1	18.52 EA
16R24-10E	14.20 EA	00004	E	59	----	5	4	1	18.52 EA
16R24-10G	14.20 EA	00009	E	59	----	5	4	1	18.52 EA
16R24-10R	14.20 EA	00007	E	59	----	5	4	1	18.52 EA
16R24-10W	14.20 EA	00006	E	59	----	5	4	1	18.52 EA
16R24-11B	14.40 EA	00025	E	59	----	5	3	1	18.78 EA
16R24-11E	14.40 EA	00022	E	59	----	5	4	1	18.78 EA
16R24-11G	14.40 EA	00026	E	59	----	5	3	1	18.78 EA
16R24-11R	14.40 EA	00024	E	59	----	5	3	1	18.78 EA
16R24-11W	14.40 EA	00023	E	59	----	5	3	1	18.78 EA
16R24-12B	14.60 EA	00036	E	59	----	5	1	1	19.04 EA
16R24-12E	14.60 EA	00033	E	59	----	5	6	1	19.04 EA
16R24-12G	14.60 EA	00037	E	59	----	5	6	1	19.04 EA
16R24-12R	14.60 EA	00035	E	59	----	5	1	1	19.04 EA
16R24-12W	14.60 EA	00034	E	59	----	5	6	1	19.04 EA
16R24-14B	14.90 EA	00047	E	59	----	5	6	1	19.43 EA
16R24-14E	14.90 EA	00044	E	59	----	5	4	1	19.43 EA
16R24-14G	14.90 EA	00048	E	59	----	5	4	1	19.43 EA
16R24-14H	14.90 EA	00051	E	59	----	5	5	1	19.43 EA
16R24-14O	14.90 EA	00050	E	59	----	5	5	1	19.43 EA
16R24-14R	14.90 EA	00046	E	59	----	5	3	1	19.43 EA
16R24-14W	14.90 EA	00045	E	59	----	5	6	1	19.43 EA
16R24-14Y	14.90 EA	00049	E	59	----	5	5	1	19.43 EA
16R24-20B	15.60 EA	02025	E	59	----	5	6	1	20.34 EA
16R24-20E	15.60 EA	02022	E	59	----	5	6	1	20.34 EA
16R24-20G	15.60 EA	02026	E	59	----	5	6	1	20.34 EA
16R24-20R	15.60 EA	02024	E	59	----	5	6	1	20.34 EA
16R24-20W	15.60 EA	02023	E	59	----	5	6	1	20.34 EA
16R25-B	13.90 EA	01135	E	59	----	5	1	1	18.13 EA
16R25-E	13.90 EA	01132	E	59	----	5	1	1	18.13 EA
16R25-G	13.90 EA	01136	E	59	----	5	1	1	18.13 EA
16R25-R	13.90 EA	01134	E	59	----	5	1	1	18.13 EA
16R25-W	13.90 EA	01133	E	59	----	5	1	1	18.13 EA
16R25-11B	14.10 EA	00198	E	59	----	5	6	1	18.39 EA
16R25-11E	14.10 EA	00195	E	59	----	5	6	1	18.39 EA
16R25-11G	14.10 EA	00199	E	59	----	5	6	1	18.39 EA
16R25-11R	14.10 EA	00197	E	59	----	5	6	1	18.39 EA
16R25-11W	14.10 EA	00196	E	59	----	5	6	1	18.39 EA
16R26-B	14.60 EA	01140	E	59	----	1	1	----	19.04 EA
16R26-E	14.60 EA	01137	E	59	----	1	1	----	19.04 EA
16R26-G	14.60 EA	01141	E	59	----	1	1	----	19.04 EA
16R26-R	14.60 EA	01139	E	59	----	1	1	----	19.04 EA
16R26-W	14.60 EA	01138	E	59	----	1	100	----	19.04 EA
16R26-11B	14.50 EA	00203	E	59	----	5	3	1	18.91 EA
16R26-11E	14.50 EA	00200	E	59	----	5	6	1	18.91 EA
16R26-11G	14.50 EA	00204	E	59	----	5	6	1	18.91 EA
16R26-11R	14.50 EA	00202	E	59	----	5	3	1	18.91 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
16R26-11W	14.50 EA	00201	E	59	----	5	3	1	18.91 EA
16SCN	2.30 EA	00086	E	59	----	10	1	1	3.00 EA
16SDF-14B	5.00 EA	99935	E	59	----	10	2	1	6.52 EA
16SDF-14E	5.00 EA	99932	E	59	----	10	2	1	6.52 EA
16SDF-14G	5.00 EA	99936	E	59	----	10	2	1	6.52 EA
16SDF-14H	5.00 EA	99939	E	59	----	10	1	1	6.52 EA
16SDF-14O	5.00 EA	99938	E	59	----	10	1	1	6.52 EA
16SDF-14R	5.00 EA	99934	E	59	----	10	2	1	6.52 EA
16SDF-14W	5.00 EA	99933	E	59	----	10	2	1	6.52 EA
16SDF-14Y	5.00 EA	99937	E	59	----	10	1	1	6.52 EA
16SDF-22B	5.00 EA	02406	E	59	----	5	2	1	6.52 EA
16SDF-22E	5.00 EA	02404	E	59	----	5	2	1	6.52 EA
16SDF-22G	5.00 EA	02407	E	59	----	5	2	1	6.52 EA
16SDF-22H	5.00 EA	99958	E	59	----	5	5	1	6.52 EA
16SDF-22O	5.00 EA	99957	E	59	----	5	1	1	6.52 EA
16SDF-22R	5.00 EA	02409	E	59	----	5	2	1	6.52 EA
16SDF-22W	5.00 EA	02405	E	59	----	5	2	1	6.52 EA
16SDF-22Y	5.00 EA	99956	E	59	----	5	1	1	6.52 EA
16SDM-14B	5.00 EA	99927	E	59	----	10	3	1	6.52 EA
16SDM-14E	5.00 EA	99924	E	59	----	10	3	1	6.52 EA
16SDM-14G	5.00 EA	99928	E	59	----	10	3	1	6.52 EA
16SDM-14H	5.00 EA	99931	E	59	----	10	3	1	6.52 EA
16SDM-14O	5.00 EA	99930	E	59	----	10	3	1	6.52 EA
16SDM-14R	5.00 EA	99926	E	59	----	10	3	1	6.52 EA
16SDM-14W	5.00 EA	99925	E	59	----	10	3	1	6.52 EA
16SDM-14Y	5.00 EA	99929	E	59	----	10	3	1	6.52 EA
16SDM-22B	5.00 EA	02402	E	59	----	5	2	1	6.52 EA
16SDM-22E	5.00 EA	02399	E	59	----	5	2	1	6.52 EA
16SDM-22G	5.00 EA	02403	E	59	----	5	2	1	6.52 EA
16SDM-22H	5.00 EA	99950	E	59	----	10	3	1	6.52 EA
16SDM-22O	5.00 EA	99949	E	59	----	10	3	1	6.52 EA
16SDM-22R	5.00 EA	02401	E	59	----	5	2	1	6.52 EA
16SDM-22W	5.00 EA	02400	E	59	----	5	2	1	6.52 EA
16SDM-22Y	5.00 EA	99948	E	59	----	10	3	1	6.52 EA
16S21-B	9.40 EA	00248	E	59	----	10	1	1	12.26 EA
16S21-E	9.40 EA	99030	E	59	----	10	1	1	12.26 EA
16S21-G	9.40 EA	00249	E	59	----	10	1	1	12.26 EA
16S21-H	9.40 EA	00252	E	59	----	10	1	1	12.26 EA
16S21-O	9.40 EA	00251	E	59	----	10	1	1	12.26 EA
16S21-R	9.40 EA	00247	E	59	----	10	1	1	12.26 EA
16S21-W	9.40 EA	02398	E	59	----	10	1	1	12.26 EA
16V21-B	10.80 EA	98938	E	59	----	10	8	1	14.08 EA
16V21-E	10.80 EA	98935	E	59	----	10	8	1	14.08 EA
16V21-G	10.80 EA	98939	E	59	----	10	8	1	14.08 EA
16V21-H	10.80 EA	98942	E	59	----	10	1	1	14.08 EA
16V21-O	10.80 EA	98941	E	59	----	10	1	1	14.08 EA
16V21-R	10.80 EA	98937	E	59	----	10	8	1	14.08 EA
16V21-W	10.80 EA	98936	E	59	----	10	8	1	14.08 EA
16V21-Y	10.80 EA	98940	E	59	----	10	1	1	14.08 EA
16V22-B	10.80 EA	98946	E	59	----	10	7	1	14.08 EA
16V22-E	10.80 EA	98943	E	59	----	10	8	1	14.08 EA
16V22-G	10.80 EA	98947	E	59	----	10	8	1	14.08 EA
16V22-H	10.80 EA	98950	E	59	----	10	1	1	14.08 EA
16V22-O	10.80 EA	98949	E	59	----	10	1	1	14.08 EA
16V22-R	10.80 EA	98945	E	59	----	10	8	1	14.08 EA
16V22-W	10.80 EA	98944	E	59	----	10	8	1	14.08 EA
16V22-Y	10.80 EA	98948	E	59	----	10	1	1	14.08 EA
16V23-B	10.80 EA	98954	E	59	----	10	7	1	14.08 EA
16V23-E	10.80 EA	98951	E	59	----	10	7	1	14.08 EA
16V23-G	10.80 EA	98955	E	59	----	10	7	1	14.08 EA
16V23-H	10.80 EA	98958	E	59	----	10	7	1	14.08 EA
16V23-O	10.80 EA	98957	E	59	----	10	7	1	14.08 EA
16V23-R	10.80 EA	98953	E	59	----	10	7	1	14.08 EA
16V23-W	10.80 EA	98952	E	59	----	10	7	1	14.08 EA
16V23-Y	10.80 EA	98956	E	59	----	10	7	1	14.08 EA
16V24-B	11.90 EA	98962	E	59	----	10	7	1	15.52 EA
16V24-E	11.90 EA	98959	E	59	----	10	7	1	15.52 EA
16V24-G	11.90 EA	98963	E	59	----	10	7	1	15.52 EA
16V24-H	11.90 EA	98966	E	59	----	10	7	1	15.52 EA
16V24-O	11.90 EA	98965	E	59	----	10	7	1	15.52 EA
16V24-R	11.90 EA	98961	E	59	----	10	7	1	15.52 EA
16V24-W	11.90 EA	98960	E	59	----	10	7	1	15.52 EA
16V24-Y	11.90 EA	98964	E	59	----	10	7	1	15.52 EA
16V25-B	10.80 EA	98970	E	59	----	10	8	1	14.08 EA
16V25-E	10.80 EA	98967	E	59	----	10	8	1	14.08 EA
16V25-G	10.80 EA	98971	E	59	----	10	8	1	14.08 EA
16V25-H	10.80 EA	98974	E	59	----	10	1	1	14.08 EA
16V25-O	10.80 EA	98973	E	59	----	10	1	1	14.08 EA
16V25-R	10.80 EA	98969	E	59	----	10	8	1	14.08 EA
16V25-W	10.80 EA	98968	E	59	----	10	8	1	14.08 EA
16V25-Y	10.80 EA	98972	E	59	----	10	1	1	14.08 EA
16V26-B	10.80 EA	98980	E	59	----	10	6	1	14.08 EA
16V26-E	10.80 EA	98977	E	59	----	10	7	1	14.08 EA
16V26-G	10.80 EA	98981	E	59	----	10	7	1	14.08 EA
16V26-H	10.80 EA	98984	E	59	----	10	1	1	14.08 EA
16V26-O	10.80 EA	98983	E	59	----	10	1	1	14.08 EA
16V26-R	10.80 EA	98979	E	59	----	10	7	1	14.08 EA
16V26-W	10.80 EA	98978	E	59	----	10	7	1	14.08 EA
16V26-Y	10.80 EA	98982	E	59	----	10	1	1	14.08 EA
16V27-B	10.80 EA	98988	E	59	----	10	6	1	14.08 EA
16V27-E	10.80 EA	98985	E	59	----	10	6	1	14.08 EA
16V27-G	10.80 EA	98989	E	59	----	10	6	1	14.08 EA
16V27-H	10.80 EA	98992	E	59	----	10	6	1	14.08 EA
16V27-O	10.80 EA	98991	E	59	----	10	6	1	14.08 EA
16V27-R	10.80 EA	98987	E	59	----	10	6	1	14.08 EA
16V27-W	10.80 EA	98986	E	59	----	10	6	1	14.08 EA
16V27-Y	10.80 EA	98990	E	59	----	10	6	1	14.08 EA
16V28-B	11.90 EA	98996	E	59	----	10	8	1	15.52 EA
16V28-E	11.90 EA	98993	E	59	----	10	8	1	15.52 EA
16V28-G	11.90 EA	98997	E	59	----	10	8	1	15.52 EA
16V28-H	11.90 EA	99000	E	59	----	10	6	1	15.52 EA
16V28-O	11.90 EA	98999	E	59	----	10	6	1	15.52 EA
16V28-R	11.90 EA	98995	E	59	----	10	8	1	15.52 EA
16V28-W	11.90 EA	98994	E	59	----	10	8	1	15.52 EA
16V28-Y	11.90 EA	98998	E	59	----	10	6	1	15.52 EA
17CLF	26.80 EA	00083	E	59	----	10	14	1	34.95 EA
17CLM	26.80 EA	00084	E	59	----	10	15	1	34.95 EA
17D21-B	71.00 EA	99100	E	59	----	3	10	1	92.58 EA
17D21-E	71.00 EA	99097	E	59	----	3	10	1	92.58 EA
17D21-G	71.00 EA	99101	E	59	----	3	10	1	92.58 EA
17D21-H	71.00 EA	99104	E	59	----	3	10	1	92.58 EA
17D21-O	71.00 EA	99103	E	59	----	3	10	1	92.58 EA
17D21-R	71.00 EA	99099	E	59	----	3	10	1	92.58 EA
17D21-W	71.00 EA	99098	E	59	----	3	10	1	92.58 EA
17D21-Y	71.00 EA	99102	E	59	----	3	10	1	92.58 EA
17D22-B	71.00 EA	99109	E	59	----	3	3	1	92.58 EA
17D22-E	71.00 EA	99105	E	59	----	3	15	1	92.58 EA
17D22-G	71.00 EA	99110	E	59	----	3	3	1	92.58 EA
17D22-H	71.00 EA	99113	E	59	----	3	3	1	92.58 EA
17D22-O	71.00 EA	99112	E	59	----	3	3	1	92.58 EA
17D22-R	71.00 EA	99107	E	59	----	3	15	1	92.58 EA
17D22-W	71.00 EA	99106	E	59	----	3	3	1	92.58 EA
17D22-Y	71.00 EA	99111	E	59	----	3	3	1	92.58 EA
17D23-B	71.00 EA	99117	E	59	----	3	1	1	92.58 EA
17D23-E	71.00 EA	99114	E	59	----	3	12	1	92.58 EA
17D23-G	71.00 EA	99118	E	59	----	3	9	1	92.58 EA
17D23-H	71.00 EA	99121	E	59	----	3	3	1	92.58 EA
17D23-O	71.00 EA	99120	E	59	----	3	9	1	92.58 EA
17D23-R	71.00 EA	99116	E	59	----	3	3	1	92.58 EA
17D23-W	71.00 EA	99115	E	59	----	3	3	1	92.58 EA
17D23-Y	71.00 EA	99119	E	59	----	3	3	1	92.58 EA
17D24-B	71.00 EA	99125	E	59	----	3	3	1	92.58 EA
17D24-E	71.00 EA	99122	E	59	----	3	12	1	92.58 EA
17D24-G	71.00 EA	99126	E	59	----	3	3	1	92.58 EA
17D24-H	71.00 EA	99129	E	59	----	3	3	1	92.58 EA
17D24-O	71.00 EA	99128	E	59	----	3	3	1	92.58 EA
17D24-R	71.00 EA	99124	E	59	----	3	12	1	92.58 EA
17D24-W	71.00 EA	99123	E	59	----	3	3	1	92.58 EA
17D24-Y	71.00 EA	99127	E	59	----	3	3	1	92.58 EA
17F21-E	87.60 EA	99217	E	59	----	1	1	Bulk	114.23 EA

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
17F22-E	87.60 EA	99219	E	59	----	1	1	Bulk	114.23 EA
17P21-E	10.50 EA	99225	E	59	----	10	4	1	13.69 EA
17P22-E	10.50 EA	99226	E	59	----	5	3	1	13.69 EA
17RSW	88.50 EA	03260	E	59	----	2	2	1	115.40 EA
17R21-B	89.00 EA	99183	E	59	----	2	2	1	116.06 EA
17R21-E	89.00 EA	99180	E	59	----	2	2	1	116.06 EA
17R21-G	89.00 EA	99184	E	59	----	2	2	1	116.06 EA
17R21-H	89.00 EA	99187	E	59	----	2	8	1	116.06 EA
17R21-O	89.00 EA	99186	E	59	----	2	8	1	116.06 EA
17R21-R	89.00 EA	99182	E	59	----	2	2	1	116.06 EA
17R21-W	89.00 EA	99181	E	59	----	2	8	1	116.06 EA
17R21-Y	89.00 EA	99185	E	59	----	2	8	1	116.06 EA
17R22-B	89.00 EA	99196	E	59	----	2	5	1	116.06 EA
17R22-E	89.00 EA	99188	E	59	----	2	5	1	116.06 EA
17R22-G	89.00 EA	99197	E	59	----	2	4	1	116.06 EA
17R22-H	89.00 EA	99200	E	59	----	2	4	1	116.06 EA
17R22-O	89.00 EA	99199	E	59	----	2	4	1	116.06 EA
17R22-R	89.00 EA	99194	E	59	----	2	5	1	116.06 EA
17R22-W	89.00 EA	99189	E	59	----	2	4	1	116.06 EA
17R22-Y	89.00 EA	99198	E	59	----	2	4	1	116.06 EA
17R23-B	89.00 EA	99204	E	59	----	2	7	1	116.06 EA
17R23-E	89.00 EA	99201	E	59	----	2	11	1	116.06 EA
17R23-G	89.00 EA	99205	E	59	----	2	1	1	116.06 EA
17R23-H	89.00 EA	99208	E	59	----	3	1	1	116.06 EA
17R23-O	89.00 EA	99207	E	59	----	3	1	1	116.06 EA
17R23-R	89.00 EA	99203	E	59	----	2	7	1	116.06 EA
17R23-W	89.00 EA	99202	E	59	----	2	7	1	116.06 EA
17R23-Y	89.00 EA	99206	E	59	----	3	1	1	116.06 EA
17R24-B	89.00 EA	99212	E	59	----	2	2	1	116.06 EA
17R24-E	89.00 EA	99209	E	59	----	2	8	1	116.06 EA
17R24-G	89.00 EA	99213	E	59	----	2	2	1	116.06 EA
17R24-H	89.00 EA	99216	E	59	----	1	1	Bulk	116.06 EA
17R24-O	89.00 EA	99215	E	59	----	1	1	Bulk	116.06 EA
17R24-R	89.00 EA	99211	E	59	----	2	2	1	116.06 EA
17R24-W	89.00 EA	99210	E	59	----	2	2	1	116.06 EA
17R24-Y	89.00 EA	99214	E	59	----	1	1	Bulk	116.06 EA
17SCN	3.80 EA	00087	E	59	----	0		Bulk	4.96 EA
17V21-B	61.90 EA	99135	E	59	----	3	1	1	80.72 EA
17V21-E	61.90 EA	99132	E	59	----	3	12	1	80.72 EA
17V21-G	61.90 EA	99136	E	59	----	3	3	1	80.72 EA
17V21-H	61.90 EA	99139	E	59	----	3	8	1	80.72 EA
17V21-O	61.90 EA	99138	E	59	----	3	1	1	80.72 EA
17V21-R	61.90 EA	99134	E	59	----	3	2	1	80.72 EA
17V21-W	61.90 EA	99133	E	59	----	3	1	1	80.72 EA
17V21-Y	61.90 EA	99137	E	59	----	3	1	1	80.72 EA
17V22-B	61.90 EA	99143	E	59	----	3	9	1	80.72 EA
17V22-E	61.90 EA	99140	E	59	----	3	12	1	80.72 EA
17V22-G	61.90 EA	99144	E	59	----	3	1	1	80.72 EA
17V22-H	61.90 EA	99147	E	59	----	3	1	1	80.72 EA
17V22-O	61.90 EA	99146	E	59	----	3	1	1	80.72 EA
17V22-R	61.90 EA	99142	E	59	----	3	1	1	80.72 EA
17V22-W	61.90 EA	99141	E	59	----	3	1	1	80.72 EA
17V22-Y	61.90 EA	99145	E	59	----	3	1	1	80.72 EA
17V23-B	78.40 EA	99151	E	59	----	3	13	1	102.23 EA
17V23-E	78.40 EA	99148	E	59	----	3	13	1	102.23 EA
17V23-G	78.40 EA	99152	E	59	----	3	13	1	102.23 EA
17V23-H	78.40 EA	99155	E	59	----	3	13	1	102.23 EA
17V23-O	78.40 EA	99154	E	59	----	3	13	1	102.23 EA
17V23-R	78.40 EA	99150	E	59	----	3	13	1	102.23 EA
17V23-W	78.40 EA	99149	E	59	----	3	13	1	102.23 EA
17V23-Y	78.40 EA	99153	E	59	----	3	13	1	102.23 EA
17V24-B	61.90 EA	99159	E	59	----	3	1	1	80.72 EA
17V24-E	61.90 EA	99156	E	59	----	3	13	1	80.72 EA
17V24-G	61.90 EA	99160	E	59	----	3	3	1	80.72 EA
17V24-H	61.90 EA	99163	E	59	----	3	6	1	80.72 EA
17V24-O	61.90 EA	99162	E	59	----	3	6	1	80.72 EA
17V24-R	61.90 EA	99158	E	59	----	3	1	1	80.72 EA
17V24-W	61.90 EA	99157	E	59	----	3	1	1	80.72 EA
17V24-Y	61.90 EA	99161	E	59	----	3	6	1	80.72 EA
17V25-B	61.90 EA	99167	E	59	----	3	6	1	80.72 EA
17V25-E	61.90 EA	99164	E	59	----	3	6	1	80.72 EA
17V25-G	61.90 EA	99168	E	59	----	3	6	1	80.72 EA
17V25-H	61.90 EA	99171	E	59	----	3	6	1	80.72 EA
17V25-O	61.90 EA	99170	E	59	----	3	6	1	80.72 EA
17V25-R	61.90 EA	99166	E	59	----	3	6	1	80.72 EA
17V25-W	61.90 EA	99165	E	59	----	3	6	1	80.72 EA
17V25-Y	61.90 EA	99169	E	59	----	3	6	1	80.72 EA
17V26-B	78.40 EA	99175	E	59	----	3	80	1	102.23 EA
17V26-E	78.40 EA	99172	E	59	----	3	7	1	102.23 EA
17V26-G	78.40 EA	99176	E	59	----	3	8	1	102.23 EA
17V26-H	78.40 EA	99179	E	59	----	3	7	1	102.23 EA
17V26-O	78.40 EA	99178	E	59	----	3	7	1	102.23 EA
17V26-R	78.40 EA	99174	E	59	----	3	8	1	102.23 EA
17V26-W	78.40 EA	99173	E	59	----	3	8	1	102.23 EA
17V26-Y	78.40 EA	99177	E	59	----	3	7	1	102.23 EA
18A21-B	47.90 EA	03197	E	59	----	5	5	1	62.46 EA
18A21-E	47.90 EA	03194	E	59	----	5	5	1	62.46 EA
18A21-G	47.90 EA	03198	E	59	----	5	5	1	62.46 EA
18A21-H	47.90 EA	99467	E	59	----	1	1	Bulk	62.46 EA
18A21-O	47.90 EA	99466	E	59	----	1	1	Bulk	62.46 EA
18A21-R	47.90 EA	03196	E	59	----	5	5	1	62.46 EA
18A21-W	47.90 EA	03195	E	59	----	5	5	1	62.46 EA
18A21-Y	47.90 EA	99465	E	59	----	1	1	Bulk	62.46 EA
18A22-B	47.90 EA	03207	E	59	----	5	6	1	62.46 EA
18A22-E	47.90 EA	03204	E	59	----	5	6	1	62.46 EA
18A22-G	47.90 EA	03208	E	59	----	5	6	1	62.46 EA
18A22-H	47.90 EA	99475	E	59	----	1	1	Bulk	62.46 EA
18A22-O	47.90 EA	99474	E	59	----	1	1	Bulk	62.46 EA
18A22-R	47.90 EA	03206	E	59	----	5	6	1	62.46 EA
18A22-W	47.90 EA	03205	E	59	----	5	6	1	62.46 EA
18A22-Y	47.90 EA	99473	E	59	----	1	1	Bulk	62.46 EA
18A23-B	53.50 EA	00096	E	59	----	3	1	1	69.76 EA
18A23-E	53.50 EA	00093	E	59	----	3	12	1	69.76 EA
18A23-G	53.50 EA	00097	E	59	----	3	12	1	69.76 EA
18A23-R	53.50 EA	00095	E	59	----	3	3	1	69.76 EA
18A23-W	53.50 EA	00094	E	59	----	3	12	1	69.76 EA
18D21-B	10.50 EA	99230	E	59	----	10	6	1	13.69 EA
18D21-E	10.50 EA	99227	E	59	----	10	6	1	13.69 EA
18D21-G	10.50 EA	99231	E	59	----	10	6	1	13.69 EA
18D21-H	10.50 EA	99234	E	59	----	10	6	1	13.69 EA
18D21-O	10.50 EA	99233	E	59	----	10	6	1	13.69 EA
18D21-R	10.50 EA	99229	E	59	----	10	6	1	13.69 EA
18D21-W	10.50 EA	99228	E	59	----	10	6	1	13.69 EA
18D21-Y	10.50 EA	99232	E	59	----	10	6	1	13.69 EA
18D22-B	13.00 EA	03217	E	59	----	10	7	1	16.95 EA
18D22-E	13.00 EA	03210	E	59	----	10	7	1	16.95 EA
18D22-G	13.00 EA	03218	E	59	----	10	7	1	16.95 EA
18D22-H	13.00 EA	99242	E	59	----	10	7	1	16.95 EA
18D22-O	13.00 EA	99241	E	59	----	10	7	1	16.95 EA
18D22-R	13.00 EA	03216	E	59	----	10	7	1	16.95 EA
18D22-W	13.00 EA	03214	E	59	----	10	7	1	16.95 EA
18D22-Y	13.00 EA	99240	E	59	----	10	7	1	16.95 EA
18D23-B	11.60 EA	99246	E	59	----	10	7	1	15.13 EA
18D23-E	11.60 EA	99243	E	59	----	10	7	1	15.13 EA
18D23-G	11.60 EA	99247	E	59	----	10	7	1	15.13 EA
18D23-H	11.60 EA	99250	E	59	----	10	7	1	15.13 EA
18D23-O	11.60 EA	99249	E	59	----	10	7	1	15.13 EA
18D23-R	11.60 EA	99245	E	59	----	10	7	1	15.13 EA
18D23-W	11.60 EA	99244	E	59	----	10	7	1	15.13 EA
18D23-Y	11.60 EA	99248	E	59	----	10	7	1	15.13 EA
18D24-B	13.00 EA	03235	E	59	----	10	7	1	16.95 EA
18D24-E	13.00 EA	03232	E	59	----	10	7	1	16.95 EA
18D24-G	13.00 EA	03236	E	59	----	10	7	1	16.95 EA
18D24-H	13.00 EA	03240	E	59	----	10	7	1	16.95 EA
18D24-O	13.00 EA	03239	E	59	----	10	7	1	16.95 EA
18D24-R	13.00 EA	03234	E	59	----	10	7	1	16.95 EA
18D24-W	13.00 EA	03233	E	59	----	10	7	1	16.95 EA
18D24-Y	13.00 EA	03238	E	59	----	10	7	1	16.95 EA
18D25-B	10.50 EA	99265	E	59	----	10	6	1	13.69 EA
18D25-E	10.50 EA	99261	E	59	----	10	6	1	13.69 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
18D25-G	10.50 EA	99266	E	59	----	10	6	1	13.69 EA
18D25-H	10.50 EA	99269	E	59	----	10	6	1	13.69 EA
18D25-O	10.50 EA	99268	E	59	----	10	6	1	13.69 EA
18D25-R	10.50 EA	99263	E	59	----	10	6	1	13.69 EA
18D25-W	10.50 EA	99262	E	59	----	10	6	1	13.69 EA
18D25-Y	10.50 EA	99267	E	59	----	10	6	1	13.69 EA
18D26-B	10.50 EA	99274	E	59	----	10	9	1	13.69 EA
18D26-E	10.50 EA	99270	E	59	----	10	9	1	13.69 EA
18D26-G	10.50 EA	99275	E	59	----	10	9	1	13.69 EA
18D26-H	10.50 EA	99278	E	59	----	10	1	1	13.69 EA
18D26-O	10.50 EA	99277	E	59	----	10	1	1	13.69 EA
18D26-R	10.50 EA	99273	E	59	----	10	9	1	13.69 EA
18D26-W	10.50 EA	99271	E	59	----	10	9	1	13.69 EA
18D26-Y	10.50 EA	99276	E	59	----	10	1	1	13.69 EA
18D27-B	11.80 EA	99282	E	59	----	10	6	1	15.39 EA
18D27-E	11.80 EA	99279	E	59	----	10	6	1	15.39 EA
18D27-G	11.80 EA	99283	E	59	----	10	6	1	15.39 EA
18D27-H	11.80 EA	99286	E	59	----	10	6	1	15.39 EA
18D27-O	11.80 EA	99285	E	59	----	10	6	1	15.39 EA
18D27-R	11.80 EA	99281	E	59	----	10	6	1	15.39 EA
18D27-W	11.80 EA	99280	E	59	----	10	6	1	15.39 EA
18D27-Y	11.80 EA	99284	E	59	----	10	6	1	15.39 EA
18D28-B	11.60 EA	99290	E	59	----	10	6	1	15.13 EA
18D28-E	11.60 EA	99287	E	59	----	10	6	1	15.13 EA
18D28-G	11.60 EA	99291	E	59	----	10	6	1	15.13 EA
18D28-H	11.60 EA	99294	E	59	----	10	6	1	15.13 EA
18D28-O	11.60 EA	99293	E	59	----	10	6	1	15.13 EA
18D28-R	11.60 EA	99289	E	59	----	10	6	1	15.13 EA
18D28-W	11.60 EA	99288	E	59	----	10	6	1	15.13 EA
18D28-Y	11.60 EA	99292	E	59	----	10	6	1	15.13 EA
18D29-B	10.50 EA	99298	E	59	----	10	6	1	13.69 EA
18D29-E	10.50 EA	99295	E	59	----	10	6	1	13.69 EA
18D29-G	10.50 EA	99299	E	59	----	10	6	1	13.69 EA
18D29-H	10.50 EA	99302	E	59	----	10	6	1	13.69 EA
18D29-O	10.50 EA	99301	E	59	----	10	6	1	13.69 EA
18D29-R	10.50 EA	99297	E	59	----	10	6	1	13.69 EA
18D29-W	10.50 EA	99296	E	59	----	10	6	1	13.69 EA
18D29-Y	10.50 EA	99300	E	59	----	10	6	1	13.69 EA
18D31-B	13.00 EA	03245	E	59	----	10	7	1	16.95 EA
18D31-C	9.20 EA	03241	E	59	----	10	5	1	12.00 EA
18D31-E	13.00 EA	03242	E	59	----	10	7	1	16.95 EA
18D31-G	13.00 EA	03246	E	59	----	10	7	1	16.95 EA
18D31-H	13.00 EA	99310	E	59	----	10	7	1	16.95 EA
18D31-O	13.00 EA	99309	E	59	----	10	7	1	16.95 EA
18D31-R	13.00 EA	03244	E	59	----	10	7	1	16.95 EA
18D31-W	13.00 EA	03243	E	59	----	10	7	1	16.95 EA
18D31-Y	13.00 EA	99308	E	59	----	10	7	1	16.95 EA
18D32-B	11.60 EA	99314	E	59	----	10	7	1	15.13 EA
18D32-E	11.60 EA	99311	E	59	----	10	7	1	15.13 EA
18D32-G	11.60 EA	99315	E	59	----	10	7	1	15.13 EA
18D32-H	11.60 EA	99318	E	59	----	10	7	1	15.13 EA
18D32-O	11.60 EA	99317	E	59	----	10	7	1	15.13 EA
18D32-R	11.60 EA	99313	E	59	----	10	7	1	15.13 EA
18D32-W	11.60 EA	99312	E	59	----	10	7	1	15.13 EA
18D32-Y	11.60 EA	99316	E	59	----	10	7	1	15.13 EA
18D33-B	13.00 EA	03257	E	59	----	10	8	1	16.95 EA
18D33-C	9.20 EA	03247	E	59	----	10	6	1	12.00 EA
18D33-E	13.00 EA	03252	E	59	----	10	8	1	16.95 EA
18D33-G	13.00 EA	03258	E	59	----	10	8	1	16.95 EA
18D33-H	13.00 EA	03268	E	59	----	10	8	1	16.95 EA
18D33-O	13.00 EA	03266	E	59	----	10	8	1	16.95 EA
18D33-R	13.00 EA	03254	E	59	----	10	8	1	16.95 EA
18D33-W	13.00 EA	03253	E	59	----	10	8	1	16.95 EA
18D33-Y	13.00 EA	03259	E	59	----	10	8	1	16.95 EA
18D34-B	10.50 EA	99331	E	59	----	10	5	1	13.69 EA
18D34-E	10.50 EA	99328	E	59	----	10	5	1	13.69 EA
18D34-G	10.50 EA	99332	E	59	----	10	5	1	13.69 EA
18D34-H	10.50 EA	99335	E	59	----	10	5	1	13.69 EA
18D34-O	10.50 EA	99334	E	59	----	10	5	1	13.69 EA
18D34-R	10.50 EA	99330	E	59	----	10	5	1	13.69 EA
18D34-W	10.50 EA	99329	E	59	----	10	5	1	13.69 EA
18D34-Y	10.50 EA	99333	E	59	----	10	5	1	13.69 EA
18D35-B	10.50 EA	99339	E	59	----	10	1	1	13.69 EA
18D35-E	10.50 EA	99336	E	59	----	10	9	1	13.69 EA
18D35-G	10.50 EA	99340	E	59	----	10	1	1	13.69 EA
18D35-H	10.50 EA	99344	E	59	----	10	1	1	13.69 EA
18D35-O	10.50 EA	99343	E	59	----	10	1	1	13.69 EA
18D35-R	10.50 EA	99338	E	59	----	10	1	1	13.69 EA
18D35-W	10.50 EA	99337	E	59	----	10	1	1	13.69 EA
18D35-Y	10.50 EA	99341	E	59	----	10	1	1	13.69 EA
18D36-B	11.80 EA	99349	E	59	----	1	1	Bulk	15.39 EA
18D36-E	11.80 EA	99345	E	59	----	10	11	1	15.39 EA
18D36-G	11.80 EA	99350	E	59	----	1	1	Bulk	15.39 EA
18D36-H	11.80 EA	99353	E	59	----	1	1	Bulk	15.39 EA
18D36-O	11.80 EA	99352	E	59	----	1	1	Bulk	15.39 EA
18D36-R	11.80 EA	99348	E	59	----	1	1	Bulk	15.39 EA
18D36-W	11.80 EA	99347	E	59	----	1	1	Bulk	15.39 EA
18D36-Y	11.80 EA	99351	E	59	----	1	1	Bulk	15.39 EA
18D37-B	11.80 EA	99357	E	59	----	1	1	Bulk	15.39 EA
18D37-E	11.80 EA	99354	E	59	----	10	12	1	15.39 EA
18D37-G	11.80 EA	99358	E	59	----	1	1	Bulk	15.39 EA
18D37-H	11.80 EA	99361	E	59	----	1	1	Bulk	15.39 EA
18D37-O	11.80 EA	99360	E	59	----	1	1	Bulk	15.39 EA
18D37-R	11.80 EA	99356	E	59	----	1	1	Bulk	15.39 EA
18D37-W	11.80 EA	99355	E	59	----	1	1	Bulk	15.39 EA
18D37-Y	11.80 EA	99359	E	59	----	1	1	Bulk	15.39 EA
18F21-B	16.50 EA	99445	E	59	----	10	11	1	21.52 EA
18F21-E	16.50 EA	99442	E	59	----	10	11	1	21.52 EA
18F21-G	16.50 EA	99446	E	59	----	10	11	1	21.52 EA
18F21-H	16.50 EA	99449	E	59	----	1	1	Bulk	21.52 EA
18F21-O	16.50 EA	99448	E	59	----	1	1	Bulk	21.52 EA
18F21-R	16.50 EA	99444	E	59	----	10	11	1	21.52 EA
18F21-W	16.50 EA	99443	E	59	----	10	11	1	21.52 EA
18F21-Y	16.50 EA	99447	E	59	----	1	1	Bulk	21.52 EA
18F22-B	16.50 EA	99453	E	59	----	10	11	1	21.52 EA
18F22-E	16.50 EA	99450	E	59	----	10	11	1	21.52 EA
18F22-G	16.50 EA	99454	E	59	----	1	1	----	21.52 EA
18F22-H	16.50 EA	99457	E	59	----	1	1	Bulk	21.52 EA
18F22-O	16.50 EA	99456	E	59	----	1	1	Bulk	21.52 EA
18F22-R	16.50 EA	99452	E	59	----	10	11	1	21.52 EA
18F22-W	16.50 EA	99451	E	59	----	10	11	1	21.52 EA
18F22-Y	16.50 EA	99455	E	59	----	1	1	Bulk	21.52 EA
18P21-B	5.80 EA	03271	E	59	----	5	1	1	7.56 EA
18P21-E	5.80 EA	03269	E	59	----	5	1	1	7.56 EA
18P21-G	5.80 EA	03274	E	59	----	5	1	1	7.56 EA
18P21-H	5.80 EA	00180	E	59	----	5	1	1	7.56 EA
18P21-O	5.80 EA	00179	E	59	----	5	1	1	7.56 EA
18P21-R	5.80 EA	03272	E	59	----	5	1	1	7.56 EA
18P21-W	5.80 EA	03270	E	59	----	5	1	1	7.56 EA
18P21-Y	5.80 EA	00178	E	59	----	5	1	1	7.56 EA
18P22-B	5.80 EA	03278	E	59	----	5	2	1	7.56 EA
18P22-E	5.80 EA	03275	E	59	----	5	2	1	7.56 EA
18P22-G	5.80 EA	03273	E	59	----	5	2	1	7.56 EA
18P22-H	5.80 EA	00187	E	59	----	5	2	1	7.56 EA
18P22-O	5.80 EA	00186	E	59	----	5	2	1	7.56 EA
18P22-R	5.80 EA	03277	E	59	----	5	2	1	7.56 EA
18P22-W	5.80 EA	03276	E	59	----	5	2	1	7.56 EA
18P22-Y	5.80 EA	00185	E	59	----	5	2	1	7.56 EA
18R21-B	15.00 EA	03282	E	59	----	5	3	1	19.56 EA
18R21-E	15.00 EA	03279	E	59	----	5	3	1	19.56 EA
18R21-G	15.00 EA	03283	E	59	----	5	3	1	19.56 EA
18R21-H	15.00 EA	99433	E	59	----	5	1	1	19.56 EA
18R21-O	15.00 EA	99432	E	59	----	5	1	1	19.56 EA
18R21-R	15.00 EA	03281	E	59	----	5	3	1	19.56 EA
18R21-W	15.00 EA	03280	E	59	----	5	3	1	19.56 EA
18R21-Y	15.00 EA	99431	E	59	----	5	1	1	19.56 EA
18R22-A	15.00 EA	03286	E	59	----	5	4	1	19.56 EA
18R22-B	15.00 EA	03288	E	59	----	5	4	1	19.56 EA
18R22-H	15.00 EA	99441	E	59	----	1	1	Bulk	19.56 EA
18R22-O	15.00 EA	99440	E	59	----	1	1	Bulk	19.56 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
18R22-R	15.00 EA	03287	E	59	----	5	4	1	19.56 EA
18R22-Y	15.00 EA	99439	E	59	----	1	1	Bulk	19.56 EA
18SDF-14E	5.00 EA	01337	E	59	----	5	1	1	6.52 EA
18SDF-22E	5.00 EA	03129	E	59	----	5	2	1	6.52 EA
18SDM-14E	5.00 EA	01338	E	59	----	5	1	1	6.52 EA
18SDM-22E	5.00 EA	03139	E	59	----	5	2	1	6.52 EA
18V21-B	10.50 EA	99365	E	59	----	1	1	Bulk	13.69 EA
18V21-E	10.50 EA	99362	E	59	----	10	9	1	13.69 EA
18V21-G	10.50 EA	99366	E	59	----	1	1	Bulk	13.69 EA
18V21-H	10.50 EA	99369	E	59	----	1	1	Bulk	13.69 EA
18V21-O	10.50 EA	99368	E	59	----	1	1	Bulk	13.69 EA
18V21-R	10.50 EA	99364	E	59	----	1	1	Bulk	13.69 EA
18V21-W	10.50 EA	99363	E	59	----	1	1	Bulk	13.69 EA
18V21-Y	10.50 EA	99367	E	59	----	1	1	Bulk	13.69 EA
18V22-B	10.50 EA	99373	E	59	----	1	1	Bulk	13.69 EA
18V22-E	10.50 EA	99370	E	59	----	10	10	1	13.69 EA
18V22-G	10.50 EA	99374	E	59	----	1	1	Bulk	13.69 EA
18V22-H	10.50 EA	99377	E	59	----	1	1	Bulk	13.69 EA
18V22-O	10.50 EA	99376	E	59	----	1	1	Bulk	13.69 EA
18V22-R	10.50 EA	99372	E	59	----	1	1	Bulk	13.69 EA
18V22-W	10.50 EA	99371	E	59	----	1	1	Bulk	13.69 EA
18V22-Y	10.50 EA	99375	E	59	----	1	1	Bulk	13.69 EA
18V23-B	10.50 EA	99381	E	59	----	1	1	Bulk	13.69 EA
18V23-E	10.50 EA	99378	E	59	----	10	10	1	13.69 EA
18V23-G	10.50 EA	99382	E	59	----	1	1	Bulk	13.69 EA
18V23-H	10.50 EA	99385	E	59	----	1	1	Bulk	13.69 EA
18V23-O	10.50 EA	99384	E	59	----	1	1	Bulk	13.69 EA
18V23-R	10.50 EA	99380	E	59	----	1	1	Bulk	13.69 EA
18V23-W	10.50 EA	99379	E	59	----	1	1	Bulk	13.69 EA
18V23-Y	10.50 EA	99383	E	59	----	1	1	Bulk	13.69 EA
18V24-B	10.50 EA	99389	E	59	----	10	1	Bulk	13.69 EA
18V24-E	10.50 EA	99386	E	59	----	10	12	1	13.69 EA
18V24-G	10.50 EA	99390	E	59	----	10	1	Bulk	13.69 EA
18V24-H	10.50 EA	99393	E	59	----	10	1	Bulk	13.69 EA
18V24-O	10.50 EA	99392	E	59	----	10	1	Bulk	13.69 EA
18V24-R	10.50 EA	99388	E	59	----	10	1	Bulk	13.69 EA
18V24-W	10.50 EA	99387	E	59	----	10	1	Bulk	13.69 EA
18V24-Y	10.50 EA	99391	E	59	----	10	1	Bulk	13.69 EA
18V25-B	10.50 EA	99397	E	59	----	1	1	Bulk	13.69 EA
18V25-E	10.50 EA	99394	E	59	----	10	8	1	13.69 EA
18V25-G	10.50 EA	99398	E	59	----	1	1	Bulk	13.69 EA
18V25-H	10.50 EA	99401	E	59	----	1	1	Bulk	13.69 EA
18V25-O	10.50 EA	99400	E	59	----	1	1	Bulk	13.69 EA
18V25-R	10.50 EA	99396	E	59	----	1	1	Bulk	13.69 EA
18V25-W	10.50 EA	99395	E	59	----	1	1	Bulk	13.69 EA
18V25-Y	10.50 EA	99399	E	59	----	1	1	Bulk	13.69 EA
18V26-B	10.50 EA	99405	E	59	----	1	1	Bulk	13.69 EA
18V26-E	10.50 EA	99402	E	59	----	10	10	1	13.69 EA
18V26-G	10.50 EA	99406	E	59	----	1	1	Bulk	13.69 EA
18V26-H	10.50 EA	99409	E	59	----	1	1	Bulk	13.69 EA
18V26-O	10.50 EA	99408	E	59	----	1	1	Bulk	13.69 EA
18V26-R	10.50 EA	99404	E	59	----	1	1	Bulk	13.69 EA
18V26-W	10.50 EA	99403	E	59	----	1	1	Bulk	13.69 EA
18V26-Y	10.50 EA	99407	E	59	----	1	1	Bulk	13.69 EA
18V27-B	10.50 EA	99413	E	59	----	1	1	Bulk	13.69 EA
18V27-E	10.50 EA	99410	E	59	----	10	10	1	13.69 EA
18V27-G	10.50 EA	99414	E	59	----	1	1	Bulk	13.69 EA
18V27-H	10.50 EA	99417	E	59	----	1	1	Bulk	13.69 EA
18V27-O	10.50 EA	99416	E	59	----	1	1	Bulk	13.69 EA
18V27-R	10.50 EA	99412	E	59	----	1	1	Bulk	13.69 EA
18V27-W	10.50 EA	99411	E	59	----	1	1	Bulk	13.69 EA
18V27-Y	10.50 EA	99415	E	59	----	1	1	Bulk	13.69 EA
18V28-B	10.50 EA	99421	E	59	----	1	1	Bulk	13.69 EA
18V28-E	10.50 EA	99418	E	59	----	10	10	1	13.69 EA
18V28-G	10.50 EA	99422	E	59	----	1	1	Bulk	13.69 EA
18V28-H	10.50 EA	99425	E	59	----	1	1	Bulk	13.69 EA
18V28-O	10.50 EA	99424	E	59	----	1	1	Bulk	13.69 EA
18V28-R	10.50 EA	99420	E	59	----	1	1	Bulk	13.69 EA
18V28-W	10.50 EA	99419	E	59	----	1	1	Bulk	13.69 EA
18V28-Y	10.50 EA	99423	E	59	----	1	1	Bulk	13.69 EA
19D21-B	71.00 EA	99519	E	59	----	1	1	Bulk	92.58 EA
19D21-C	48.20 EA	99650	E	59	----	1	1	Bulk	62.85 EA
19D21-E	71.00 EA	99516	E	59	----	2	10	1	92.58 EA
19D21-G	71.00 EA	99520	E	59	----	1	1	Bulk	92.58 EA
19D21-H	71.00 EA	99523	E	59	----	1	1	Bulk	92.58 EA
19D21-O	71.00 EA	99522	E	59	----	1	1	Bulk	92.58 EA
19D21-R	71.00 EA	99518	E	59	----	1	1	Bulk	92.58 EA
19D21-W	71.00 EA	99517	E	59	----	1	1	Bulk	92.58 EA
19D21-Y	71.00 EA	99521	E	59	----	1	1	Bulk	92.58 EA
19D22-B	71.00 EA	99527	E	59	----	1	1	Bulk	92.58 EA
19D22-C	48.20 EA	99656	E	59	----	1	1	Bulk	62.85 EA
19D22-E	71.00 EA	99524	E	59	----	2	10	1	92.58 EA
19D22-G	71.00 EA	99528	E	59	----	1	1	Bulk	92.58 EA
19D22-H	71.00 EA	99531	E	59	----	1	1	Bulk	92.58 EA
19D22-O	71.00 EA	99530	E	59	----	1	1	Bulk	92.58 EA
19D22-R	71.00 EA	99526	E	59	----	1	1	Bulk	92.58 EA
19D22-W	71.00 EA	99525	E	59	----	1	1	Bulk	92.58 EA
19D22-Y	71.00 EA	99529	E	59	----	1	1	Bulk	92.58 EA
19D23-B	71.00 EA	99535	E	59	----	1	1	Bulk	92.58 EA
19D23-C	48.20 EA	99655	E	59	----	1	1	Bulk	62.85 EA
19D23-E	71.00 EA	99532	E	59	----	2	8	1	92.58 EA
19D23-G	71.00 EA	99536	E	59	----	1	1	Bulk	92.58 EA
19D23-H	71.00 EA	99539	E	59	----	1	1	Bulk	92.58 EA
19D23-O	71.00 EA	99538	E	59	----	1	1	Bulk	92.58 EA
19D23-R	71.00 EA	99534	E	59	----	1	1	Bulk	92.58 EA
19D23-W	71.00 EA	99533	E	59	----	1	1	Bulk	92.58 EA
19D23-Y	71.00 EA	99537	E	59	----	1	1	Bulk	92.58 EA
19D24-B	71.00 EA	99543	E	59	----	1	1	Bulk	92.58 EA
19D24-C	48.20 EA	99657	E	59	----	1	1	Bulk	62.85 EA
19D24-E	71.00 EA	99540	E	59	----	2	8	1	92.58 EA
19D24-G	71.00 EA	99544	E	59	----	1	1	Bulk	92.58 EA
19D24-H	71.00 EA	99548	E	59	----	1	1	Bulk	92.58 EA
19D24-O	71.00 EA	99546	E	59	----	1	1	Bulk	92.58 EA
19D24-R	71.00 EA	99542	E	59	----	1	1	Bulk	92.58 EA
19D24-W	71.00 EA	99541	E	59	----	1	1	Bulk	92.58 EA
19D24-Y	71.00 EA	99545	E	59	----	1	1	Bulk	92.58 EA
19F21-B	87.60 EA	99635	E	59	----	1	1	Bulk	114.23 EA
19F21-E	87.60 EA	99632	E	59	----	1	1	Bulk	114.23 EA
19F21-G	87.60 EA	99636	E	59	----	1	1	Bulk	114.23 EA
19F21-H	87.60 EA	99639	E	59	----	1	1	Bulk	114.23 EA
19F21-O	87.60 EA	99638	E	59	----	1	1	Bulk	114.23 EA
19F21-R	87.60 EA	99634	E	59	----	1	1	Bulk	114.23 EA
19F21-W	87.60 EA	99633	E	59	----	1	1	Bulk	114.23 EA
19F21-Y	87.60 EA	99637	E	59	----	1	1	Bulk	114.23 EA
19F22-B	87.60 EA	99643	E	59	----	1	1	Bulk	114.23 EA
19F22-E	87.60 EA	99640	E	59	----	1	1	Bulk	114.23 EA
19F22-G	87.60 EA	99644	E	59	----	1	1	Bulk	114.23 EA
19F22-H	87.60 EA	99647	E	59	----	1	1	Bulk	114.23 EA
19F22-O	87.60 EA	99646	E	59	----	1	1	Bulk	114.23 EA
19F22-R	87.60 EA	99641	E	59	----	1	1	Bulk	114.23 EA
19F22-W	87.60 EA	99642	E	59	----	1	1	Bulk	114.23 EA
19F22-Y	87.60 EA	99645	E	59	----	1	1	Bulk	114.23 EA
19P21-B	10.50 EA	99851	E	59	----	1	1	Bulk	13.69 EA
19P21-E	10.50 EA	99648	E	59	----	5	5	1	13.69 EA
19P21-G	10.50 EA	99852	E	59	----	1	1	Bulk	13.69 EA
19P21-H	10.50 EA	99855	E	59	----	1	1	Bulk	13.69 EA
19P21-O	10.50 EA	99854	E	59	----	1	1	Bulk	13.69 EA
19P21-R	10.50 EA	99850	E	59	----	1	1	Bulk	13.69 EA
19P21-W	10.50 EA	99849	E	59	----	1	1	Bulk	13.69 EA
19P21-Y	10.50 EA	99853	E	59	----	1	1	Bulk	13.69 EA
19P22-B	10.50 EA	99858	E	59	----	1	1	Bulk	13.69 EA
19P22-E	10.50 EA	99649	E	59	----	5	5	1	13.69 EA
19P22-G	10.50 EA	99859	E	59	----	1	1	Bulk	13.69 EA
19P22-H	10.50 EA	99862	E	59	----	1	1	Bulk	13.69 EA
19P22-O	10.50 EA	99861	E	59	----	1	1	Bulk	13.69 EA
19P22-R	10.50 EA	99857	E	59	----	1	1	Bulk	13.69 EA
19P22-W	10.50 EA	99856	E	59	----	1	1	Bulk	13.69 EA
19P22-Y	10.50 EA	99860	E	59	----	1	1	Bulk	13.69 EA
19R21-B	97.00 EA	99603	E	59	----	1	1	----	126.49 EA
19R21-E	97.00 EA	99600	E	59	----	2	1	1	126.49 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
19R21-G	97.00 EA	99604	E	59	----	1	1	----	126.49 EA
19R21-H	97.00 EA	99607	E	59	----	1	1	----	126.49 EA
19R21-O	97.00 EA	99606	E	59	----	1	1	----	126.49 EA
19R21-R	97.00 EA	99602	E	59	----	1	1	----	126.49 EA
19R21-W	97.00 EA	99601	E	59	----	1	1	----	126.49 EA
19R21-Y	97.00 EA	99605	E	59	----	1	1	----	126.49 EA
19R22-B	97.00 EA	99611	E	59	----	2	1	1	126.49 EA
19R22-E	97.00 EA	99608	E	59	----	2	1	1	126.49 EA
19R22-G	97.00 EA	99612	E	59	----	2	1	1	126.49 EA
19R22-H	97.00 EA	99615	E	59	----	2	1	1	126.49 EA
19R22-O	97.00 EA	99614	E	59	----	2	1	1	126.49 EA
19R22-R	97.00 EA	99610	E	59	----	2	1	1	126.49 EA
19R22-W	97.00 EA	99609	E	59	----	2	1	1	126.49 EA
19R22-Y	97.00 EA	99613	E	59	----	2	5	1	126.49 EA
19R23-B	97.00 EA	99619	E	59	----	2	14	1	126.49 EA
19R23-E	97.00 EA	99616	E	59	----	2	14	1	126.49 EA
19R23-G	97.00 EA	99620	E	59	----	2	14	1	126.49 EA
19R23-H	97.00 EA	99623	E	59	----	2	14	1	126.49 EA
19R23-O	97.00 EA	99622	E	59	----	2	14	1	126.49 EA
19R23-R	97.00 EA	99618	E	59	----	2	14	1	126.49 EA
19R23-W	97.00 EA	99617	E	59	----	2	14	1	126.49 EA
19R23-Y	97.00 EA	99621	E	59	----	2	14	1	126.49 EA
19R24-B	97.00 EA	99627	E	59	----	1	1	----	126.49 EA
19R24-E	97.00 EA	99624	E	59	----	2	1	1	126.49 EA
19R24-G	97.00 EA	99628	E	59	----	1	1	----	126.49 EA
19R24-H	97.00 EA	99631	E	59	----	1	1	----	126.49 EA
19R24-O	97.00 EA	99630	E	59	----	1	1	----	126.49 EA
19R24-R	97.00 EA	99626	E	59	----	1	1	----	126.49 EA
19R24-W	97.00 EA	99625	E	59	----	1	1	----	126.49 EA
19R24-Y	97.00 EA	99629	E	59	----	1	1	----	126.49 EA
19SDF-B	22.80 EA	99675	E	59	----	1	1	Bulk	29.73 EA
19SDF-E	22.80 EA	99672	E	59	----	1	1	Bulk	29.73 EA
19SDF-G	22.80 EA	99676	E	59	----	1	1	Bulk	29.73 EA
19SDF-H	22.80 EA	99679	E	59	----	1	1	Bulk	29.73 EA
19SDF-O	22.80 EA	99678	E	59	----	1	1	Bulk	29.73 EA
19SDF-R	22.80 EA	99674	E	59	----	1	1	Bulk	29.73 EA
19SDF-W	22.80 EA	99673	E	59	----	1	1	Bulk	29.73 EA
19SDF-Y	22.80 EA	99677	E	59	----	1	1	Bulk	29.73 EA
19SDM-B	22.80 EA	99667	E	59	----	1	1	Bulk	29.73 EA
19SDM-E	22.80 EA	99664	E	59	----	1	1	Bulk	29.73 EA
19SDM-G	22.80 EA	99668	E	59	----	1	1	Bulk	29.73 EA
19SDM-H	22.80 EA	99671	E	59	----	1	1	Bulk	29.73 EA
19SDM-O	22.80 EA	99670	E	59	----	1	1	Bulk	29.73 EA
19SDM-R	22.80 EA	99666	E	59	----	1	1	Bulk	29.73 EA
19SDM-W	22.80 EA	99665	E	59	----	1	1	Bulk	29.73 EA
19SDM-Y	22.80 EA	99669	E	59	----	1	1	Bulk	29.73 EA
19SVF-B	22.80 EA	99691	E	59	----	1	1	Bulk	29.73 EA
19SVF-E	22.80 EA	99688	E	59	----	1	1	Bulk	29.73 EA
19SVF-G	22.80 EA	99692	E	59	----	1	1	Bulk	29.73 EA
19SVF-H	22.80 EA	99695	E	59	----	1	1	Bulk	29.73 EA
19SVF-O	22.80 EA	99694	E	59	----	1	1	Bulk	29.73 EA
19SVF-R	22.80 EA	99690	E	59	----	1	1	Bulk	29.73 EA
19SVF-W	22.80 EA	99689	E	59	----	1	1	Bulk	29.73 EA
19SVF-Y	22.80 EA	99693	E	59	----	1	1	Bulk	29.73 EA
19SVM-B	22.80 EA	99683	E	59	----	1	1	Bulk	29.73 EA
19SVM-E	22.80 EA	99680	E	59	----	1	1	Bulk	29.73 EA
19SVM-G	22.80 EA	99684	E	59	----	1	1	Bulk	29.73 EA
19SVM-H	22.80 EA	99687	E	59	----	1	1	Bulk	29.73 EA
19SVM-O	22.80 EA	99686	E	59	----	1	1	Bulk	29.73 EA
19SVM-R	22.80 EA	99682	E	59	----	1	1	Bulk	29.73 EA
19SVM-W	22.80 EA	99681	E	59	----	1	1	Bulk	29.73 EA
19SVM-Y	22.80 EA	99685	E	59	----	1	1	Bulk	29.73 EA
19V21-B	61.90 EA	99553	E	59	----	1	1	Bulk	80.72 EA
19V21-C	39.10 EA	99658	E	59	----	1	1	Bulk	50.99 EA
19V21-E	61.90 EA	99549	E	59	----	1	1	Bulk	80.72 EA
19V21-G	61.90 EA	99554	E	59	----	1	1	Bulk	80.72 EA
19V21-H	61.90 EA	99557	E	59	----	1	1	Bulk	80.72 EA
19V21-O	61.90 EA	99556	E	59	----	1	1	Bulk	80.72 EA
19V21-R	61.90 EA	99552	E	59	----	1	1	Bulk	80.72 EA
19V21-W	61.90 EA	99551	E	59	----	1	1	Bulk	80.72 EA
19V21-Y	61.90 EA	99555	E	59	----	1	1	Bulk	80.72 EA
19V22-B	61.90 EA	99562	E	59	----	1	1	Bulk	80.72 EA
19V22-C	39.10 EA	99659	E	59	----	1	1	Bulk	50.99 EA
19V22-E	61.90 EA	99559	E	59	----	1	1	Bulk	80.72 EA
19V22-G	61.90 EA	99563	E	59	----	1	1	Bulk	80.72 EA
19V22-H	61.90 EA	99566	E	59	----	1	1	Bulk	80.72 EA
19V22-O	61.90 EA	99565	E	59	----	1	1	Bulk	80.72 EA
19V22-R	61.90 EA	99561	E	59	----	1	1	Bulk	80.72 EA
19V22-W	61.90 EA	99560	E	59	----	1	1	Bulk	80.72 EA
19V22-Y	61.90 EA	99564	E	59	----	1	1	Bulk	80.72 EA
19V23-B	78.40 EA	99571	E	59	----	1	1	Bulk	102.23 EA
19V23-C	55.70 EA	99660	E	59	----	1	1	Bulk	72.63 EA
19V23-E	78.40 EA	99568	E	59	----	0		Bulk	102.23 EA
19V23-G	78.40 EA	99572	E	59	----	1	1	Bulk	102.23 EA
19V23-H	78.40 EA	99575	E	59	----	1	1	Bulk	102.23 EA
19V23-O	78.40 EA	99574	E	59	----	1	1	Bulk	102.23 EA
19V23-R	78.40 EA	99570	E	59	----	1	1	Bulk	102.23 EA
19V23-W	78.40 EA	99569	E	59	----	1	1	Bulk	102.23 EA
19V23-Y	78.40 EA	99573	E	59	----	1	1	Bulk	102.23 EA
19V24-B	61.90 EA	99579	E	59	----	1	1	Bulk	80.72 EA
19V24-C	39.10 EA	99661	E	59	----	0		Bulk	50.99 EA
19V24-E	61.90 EA	99576	E	59	----	1	1	Bulk	80.72 EA
19V24-G	61.90 EA	99580	E	59	----	1	1	Bulk	80.72 EA
19V24-H	61.90 EA	99583	E	59	----	1	1	Bulk	80.72 EA
19V24-O	61.90 EA	99582	E	59	----	1	1	Bulk	80.72 EA
19V24-R	61.90 EA	99578	E	59	----	1	1	Bulk	80.72 EA
19V24-W	61.90 EA	99577	E	59	----	1	1	Bulk	80.72 EA
19V24-Y	61.90 EA	99581	E	59	----	1	1	Bulk	80.72 EA
19V25-B	61.90 EA	99587	E	59	----	1	1	Bulk	80.72 EA
19V25-C	39.10 EA	99662	E	59	----	1	1	Bulk	50.99 EA
19V25-E	61.90 EA	99584	E	59	----	1	1	Bulk	80.72 EA
19V25-G	61.90 EA	99588	E	59	----	1	1	Bulk	80.72 EA
19V25-H	61.90 EA	99591	E	59	----	1	1	Bulk	80.72 EA
19V25-O	61.90 EA	99590	E	59	----	1	1	Bulk	80.72 EA
19V25-R	61.90 EA	99586	E	59	----	1	1	Bulk	80.72 EA
19V25-W	61.90 EA	99585	E	59	----	1	1	Bulk	80.72 EA
19V25-Y	61.90 EA	99589	E	59	----	1	1	Bulk	80.72 EA
19V26-B	78.40 EA	99595	E	59	----	1	1	Bulk	102.23 EA
19V26-C	55.70 EA	99663	E	59	----	1	1	Bulk	72.63 EA
19V26-E	78.40 EA	99592	E	59	----	1	1	Bulk	102.23 EA
19V26-G	78.40 EA	99596	E	59	----	1	1	Bulk	102.23 EA
19V26-H	78.40 EA	99599	E	59	----	1	1	Bulk	102.23 EA
19V26-O	78.40 EA	99598	E	59	----	1	1	Bulk	102.23 EA
19V26-R	78.40 EA	99594	E	59	----	1	1	Bulk	102.23 EA
19V26-W	78.40 EA	99593	E	59	----	1	1	Bulk	102.23 EA
19V26-Y	78.40 EA	99597	E	59	----	1	1	Bulk	102.23 EA
22H21-E	170.70 EA	99989	E	59	----	1	1	Bulk	222.59 EA
22H21-R	170.70 EA	99991	E	59	----	1	1	Bulk	222.59 EA
22H21-W	170.70 EA	99990	E	59	----	1	1	Bulk	222.59 EA
22H22-E	170.70 EA	99992	E	59	----	1	1	Bulk	222.59 EA
22H22-R	170.70 EA	99994	E	59	----	1	1	Bulk	222.59 EA
22H22-W	170.70 EA	99993	E	59	----	1	1	Bulk	222.59 EA
22L21-E	109.30 EA	99769	E	59	----	3	3	1	142.53 EA
22L21-R	109.30 EA	99771	E	59	----	3	3	1	142.53 EA
22L21-W	109.30 EA	99770	E	59	----	1	1	Bulk	142.53 EA
22L22-E	109.30 EA	99772	E	59	----	3	3	1	142.53 EA
22L22-R	109.30 EA	99774	E	59	----	3	3	1	142.53 EA
22L22-W	109.30 EA	99773	E	59	----	3	3	1	142.53 EA
22L23-E	109.30 EA	99775	E	59	----	3	1	Bulk	142.53 EA
22L23-R	109.30 EA	99777	E	59	----	1	1	Bulk	142.53 EA
22L23-W	109.30 EA	99776	E	59	----	1	1	Bulk	142.53 EA
22L24-E	69.80 EA	99781	E	59	----	3	12	1	91.02 EA
22L24-R	69.80 EA	99783	E	59	----	3	12	1	91.02 EA
22L24-W	69.80 EA	99782	E	59	----	1	1	Bulk	91.02 EA
22L25-E	69.80 EA	99784	E	59	----	3	3	1	91.02 EA
22L25-R	69.80 EA	99786	E	59	----	3	3	1	91.02 EA
22L25-W	69.80 EA	99785	E	59	----	3	3	1	91.02 EA
22L26-E	69.80 EA	99788	E	59	----	1	1	Bulk	91.02 EA
22L26-R	69.80 EA	99791	E	59	----	1	1	Bulk	91.02 EA
22L26-W	69.80 EA	99790	E	59	----	1	1	Bulk	91.02 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
22P21-E	**9.70 EA**	99839	E	59	----	5	1	1	12.65 **EA**
22P21-R	**9.70 EA**	99841	E	59	----	5	1	1	12.65 **EA**
22P21-W	**9.70 EA**	99840	E	59	----	1	1	Bulk	12.65 **EA**
22P22-E	**9.70 EA**	99842	E	59	----	5	1	1	12.65 **EA**
22P22-R	**9.70 EA**	99844	E	59	----	5	1	1	12.65 **EA**
22P22-W	**9.70 EA**	99843	E	59	----	1	1	Bulk	12.65 **EA**
22R21-E	**101.20 EA**	99815	E	59	----	2	5	1	131.96 **EA**
22R21-R	**101.20 EA**	99817	E	59	----	2	5	1	131.96 **EA**
22R21-W	**101.20 EA**	99816	E	59	----	2	5	1	131.96 **EA**
22R22-E	**101.20 EA**	99818	E	59	----	2	5	1	131.96 **EA**
22R22-R	**101.20 EA**	99820	E	59	----	2	5	1	131.96 **EA**
22R22-W	**101.20 EA**	99819	E	59	----	2	5	1	131.96 **EA**
22R23-E	**101.20 EA**	99821	E	59	----	2	2	Bulk	131.96 **EA**
22R23-R	**101.20 EA**	99823	E	59	----	2	2	Bulk	131.96 **EA**
22R23-W	**101.20 EA**	99822	E	59	----	2	2	Bulk	131.96 **EA**
22R24-E	**101.20 EA**	99824	E	59	----	2	2	1	131.96 **EA**
22R24-R	**101.20 EA**	99826	E	59	----	2	2	1	131.96 **EA**
22R24-W	**101.20 EA**	99825	E	59	----	2	2	1	131.96 **EA**
22SVF-R	**24.40 EA**	99868	E	59	----	3	3	Bulk	31.82 **EA**
22SVF-80E	**24.40 EA**	99866	E	59	----	3	3	Bulk	31.82 **EA**
22SVF-80W	**24.40 EA**	99867	E	59	----	3	3	Bulk	31.82 **EA**
22SVM-E	**29.50 EA**	99863	E	59	----	3	4	1	38.47 **EA**
22SVM-R	**29.50 EA**	99865	E	59	----	3	4	1	38.47 **EA**
22SVM-W	**29.50 EA**	99864	E	59	----	3	4	1	38.47 **EA**
23CM-10	**1,178.50**	81100	B	56	J2	30	8	10	1,963.30
23CM-11	**924.40**	80095	B	56	J2	30	11	10	1,540.00
23CM-13	**1,413.00**	80099	B	56	J2	30	13	10	2,354.00
23CM-20	**1,203.10**	81101	B	56	J2	30	12	10	2,004.30
23H21-E	**170.70 EA**	99986	E	59	----	1	1	Bulk	222.59 **EA**
23H21-R	**170.70 EA**	99988	E	59	----	1	1	Bulk	222.59 **EA**
23H21-W	**170.70 EA**	99987	E	59	----	1	1	Bulk	222.59 **EA**
23H22-E	**170.70 EA**	99983	E	59	----	4	20	Bulk	222.59 **EA**
23H22-R	**170.70 EA**	99985	E	59	----	4	20	Bulk	222.59 **EA**
23H22-W	**170.70 EA**	99984	E	59	----	4	20	Bulk	222.59 **EA**
23L21-E	**109.30 EA**	99792	E	59	----	3	12	1	142.53 **EA**
23L21-R	**109.30 EA**	99794	E	59	----	3	12	1	142.53 **EA**
23L21-W	**109.30 EA**	99793	E	59	----	3	12	1	142.53 **EA**
23L22-E	**109.30 EA**	99795	E	59	----	3	9	1	142.53 **EA**
23L22-R	**109.30 EA**	99797	E	59	----	3	7	1	142.53 **EA**
23L22-W	**109.30 EA**	99796	E	59	----	3	9	1	142.53 **EA**
23L23-E	**109.30 EA**	99798	E	59	----	3	13	1	142.53 **EA**
23L23-R	**109.30 EA**	99800	E	59	----	3	13	1	142.53 **EA**
23L23-W	**109.30 EA**	99799	E	59	----	3	13	1	142.53 **EA**
23L24-R	**69.80 EA**	99806	E	59	----	3	3	1	91.02 **EA**
23L24-W	**69.80 EA**	99805	E	59	----	3	1	1	91.02 **EA**
23L25-B	**69.80 EA**	02772	E	59	----	3	8	1	91.02 **EA**
23L25-E	**69.80 EA**	99807	E	59	----	3	9	1	91.02 **EA**
23L25-G	**69.80 EA**	02773	E	59	----	3	8	1	91.02 **EA**
23L25-R	**69.80 EA**	99809	E	59	----	3	3	1	91.02 **EA**
23L25-W	**69.80 EA**	99808	E	59	----	3	3	1	91.02 **EA**
23L26-E	**69.80 EA**	99810	E	59	----	3	7	1	91.02 **EA**
23L26-R	**69.80 EA**	99812	E	59	----	3	7	1	91.02 **EA**
23L26-W	**69.80 EA**	99811	E	59	----	3	7	1	91.02 **EA**
23P21-B	**9.70 EA**	02806	E	59	----	5	3	1	12.65 **EA**
23P21-E	**9.70 EA**	99845	E	59	----	5	3	1	12.65 **EA**
23P21-G	**9.70 EA**	02807	E	59	----	5	5	1	12.65 **EA**
23P21-R	**9.70 EA**	02805	E	59	----	5	3	1	12.65 **EA**
23P21-W	**9.70 EA**	02804	E	59	----	5	5	1	12.65 **EA**
23P22-E	**9.70 EA**	99846	E	59	----	1	1	Bulk	12.65 **EA**
23P22-R	**9.70 EA**	99848	E	59	----	1	1	Bulk	12.65 **EA**
23P22-W	**9.70 EA**	99847	E	59	----	1	1	Bulk	12.65 **EA**
23R21-E	**101.20 EA**	99827	E	59	----	2	8	1	131.96 **EA**
23R21-R	**101.20 EA**	99829	E	59	----	2	8	1	131.96 **EA**
23R21-W	**101.20 EA**	99828	E	59	----	2	8	1	131.96 **EA**
23R22-E	**101.20 EA**	99830	E	59	----	2	1	1	131.96 **EA**
23R22-R	**101.20 EA**	99832	E	59	----	2	1	Bulk	131.96 **EA**
23R22-W	**101.20 EA**	99831	E	59	----	2	1	Bulk	131.96 **EA**
23R23-E	**101.20 EA**	99833	E	59	----	2	5	1	131.96 **EA**
23R23-R	**101.20 EA**	99835	E	59	----	2	6	1	131.96 **EA**
23R23-W	**101.20 EA**	99834	E	59	----	2	5	1	131.96 **EA**
23R24-E	**101.20 EA**	99836	E	59	----	2	14	1	131.96 **EA**
23R24-R	**101.20 EA**	99838	E	59	----	2	1	1	131.96 **EA**
23R24-W	**101.20 EA**	99837	E	59	----	2	1	1	131.96 **EA**
23SVF-E	**24.40 EA**	99872	E	59	----	3	3	1	31.82 **EA**
23SVF-R	**24.40 EA**	99874	E	59	----	3	3	1	31.82 **EA**
23SVF-W	**24.40 EA**	99873	E	59	----	3	3	1	31.82 **EA**
23SVM-E	**29.50 EA**	99869	E	59	----	3	4	1	38.47 **EA**
23SVM-R	**29.50 EA**	99871	E	59	----	3	4	1	38.47 **EA**
23SVM-W	**29.50 EA**	99870	E	59	----	3	4	1	38.47 **EA**
24W34	**1,410.10**	96950	A	54	----	20	5	10	2,005.10
24W47	**906.20**	84833	A	54	----	20	5	10	1,288.60
24W49	**1,146.40**	96947	A	54	----	20	4	10	1,630.10
25W34	**2,187.70**	96952	A	54	----	20	8	10	3,110.90
25W47	**1,356.50**	84828	A	54	----	20	4	10	1,928.90
25W47-B	**1,356.60**	05415	A	54	----	20	5	10	1,929.00
25W49	**1,823.10**	96957	A	56	----	20	4	10	2,592.40
26CM-10	**1,526.00**	81102	B	56	J3	30	12	10	2,542.30
26CM-11	**1,059.50**	80800	B	56	J3	30	11	10	1,765.10
26CM-13	**2,102.90**	80785	B	56	J3	30	13	10	3,503.40
26CM-21	**1,620.50**	80797	B	56	J3	30	13	10	2,699.70
26CM-23	**3,185.70**	80782	B	56	J3	30	13	10	5,307.30
26W08	**1,925.10**	96858	A	54	----	10	5	1	2,737.40
26W09	**2,481.30**	96866	A	54	----	10	5	1	3,528.40
26W47	**1,847.80**	96797	A	54	----	10	5	1	2,627.50
26W47-B	**2,021.90**	01465	A	54	----	10	5	1	2,875.10
26W48	**1,847.80**	96799	A	54	----	10	5	1	2,627.50
26W49	**1,847.80**	96800	A	54	----	10	5	1	2,627.50
26W74	**2,549.30**	96806	A	54	----	10	5	1	3,625.10
26W75	**2,549.30**	96809	A	54	----	10	5	1	3,625.10
26W76	**2,521.40**	96851	A	54	----	10	5	1	3,585.40
26W81	**3,212.60**	96852	A	54	----	10	6	1	4,568.30
26W81-B	**3,510.20**	01470	A	54	----	10	5	1	4,991.50
26W82	**3,333.10**	96853	A	54	----	10	5	1	4,739.60
26W83	**3,333.10**	96857	A	54	----	10	5	1	4,739.60
27CM-20	**2,590.40**	81105	C	54	J3	30	8	10	5,180.80
27W08	**2,904.60**	96795	A	54	----	10	6	1	4,130.30
27W09	**3,405.20**	96796	A	54	----	10	6	1	4,842.10
27W47	**2,759.40**	96772	A	54	----	10	8	1	3,923.80
27W47-B	**3,016.90**	01466	A	54	----	10	6	1	4,290.00
27W48	**2,759.40**	96775	A	54	----	10	6	1	3,923.80
27W49	**2,759.40**	96776	A	54	----	10	6	1	3,923.80
27W74	**3,361.90**	96778	A	54	----	10	3	1	4,780.60
27W75	**3,361.90**	96779	A	54	----	10	6	1	4,780.60
27W76	**3,325.90**	96789	A	54	----	10	8	1	4,729.40
27W81	**5,127.30**	96790	A	54	----	10	8	1	7,291.00
27W81-B	**5,473.40**	01469	A	54	----	10	6	1	7,783.10
27W82	**5,375.60**	96791	A	54	----	10	6	1	7,644.10
27W83	**5,375.60**	96794	A	54	----	10	6	1	7,644.10
28W08	**2,501.90**	96909	A	54	----	10	5	1	3,557.70
28W09	**2,809.80**	96910	A	54	----	10	6	1	3,995.50
28W47	**2,455.50**	96893	A	54	----	10	6	1	3,491.70
28W47-B	**2,683.20**	01467	A	54	----	10	6	1	3,815.50
28W48	**2,455.50**	96894	A	54	----	10	6	1	3,491.70
28W49	**2,455.50**	96900	A	54	----	10	5	1	3,491.70
28W74	**3,124.00**	96901	A	54	----	10	3	1	4,442.30
28W75	**3,129.10**	96902	A	54	----	10	5	1	4,449.50
28W76	**3,090.00**	96903	A	54	----	10	5	1	4,393.90
28W77	**3,269.20**	96904	A	54	----	10	5	1	4,648.80
28W81	**3,614.30**	96905	A	54	----	10	6	1	5,139.50
28W82	**3,754.40**	96907	A	54	----	10	6	1	5,338.70
28W83	**3,902.70**	96908	A	54	----	10	5	1	5,549.60
29W08	**3,846.00**	96885	A	54	----	10	6	1	5,469.00
29W09	**4,746.20**	96887	A	54	----	10	9	1	6,749.10
29W47	**4,303.30**	96873	A	54	----	10	9	1	6,119.20
29W47-B	**4,703.00**	01468	A	54	----	10	6	1	6,687.60
29W48	**4,303.30**	96874	A	54	----	10	6	1	6,119.20
29W49	**4,303.30**	96875	A	54	----	10	9	1	6,119.20
29W74	**5,361.20**	96877	A	54	----	10	3	1	7,623.60
29W75	**5,361.20**	96878	A	54	----	10	6	1	7,623.60
29W76	**5,272.60**	96879	A	54	----	10	9	1	7,497.60

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
29W77	**5,714.40**	96881	A	54	----	10	6	1	8,125.80
29W81	**5,567.20**	96882	A	54	----	10	3	1	7,916.50
29W82	**6,175.90**	96883	A	54	----	10	6	1	8,782.10
30	**778.30**	96188	C	10	----	50	19	5	1,556.60
41AB2-1FT	**20.36 EA**	94706		72	----	10	10	1	25.45 **EA**
41AB2-3FT	**57.14 EA**	94707		72	----	1	3	----	71.43 **EA**
41AB6-1FT	**132.14 EA**	05237		72	----	1	3	Bulk	165.18 **EA**
41AW1-50	**6.58 EA**	94713		72	----	10	2	1	8.23 **EA**
41AW2-100	**9.70 EA**	94716		72	----	10	5	1	12.13 **EA**
41AW2-300	**24.60 EA**	94755		72	----	1	2	----	30.75 **EA**
41A10-HCM	**6.07 EA**	94717		72	----	10	3	1	7.59 **EA**
41DBR-1FT	**40.00 EA**	94708		72	----	1	2	----	50.00 **EA**
41DBR-2FT	**64.29 EA**	94709		72	----	1	3	----	80.36 **EA**
41DBR-3FT	**95.72 EA**	94710		72	----	1	4	----	119.65 **EA**
41DB1-5FT	**13.57 EA**	94712		72	----	10	5	1	16.96 **EA**
41DR2-100	**18.57 EA**	94758		72	----	1	1	----	23.21 **EA**
41DR2-200	**24.50 EA**	94763		72	----	1	2	----	30.63 **EA**
41DR2-300	**37.76 EA**	94761		72	----	1	3	----	47.20 **EA**
41DW1-50	**5.57 EA**	94687		72	----	10	2	1	6.96 **EA**
41DW1-589	**6.58 EA**	94756		72	----	10	4	1	8.23 **EA**
41DW2-100	**8.57 EA**	94711		72	----	10	4	1	10.71 **EA**
41D1R-HCM	**18.58 EA**	94718		72	----	1	1	----	23.23 **EA**
41D10-HCM	**4.29 EA**	94715		72	----	10	2	1	5.36 **EA**
41LBL-B	**1.50 EA**	94683		72	----	10	1	1	1.88 **EA**
41LBL-G	**1.50 EA**	94685		72	----	10	1	1	1.88 **EA**
41LBL-L	**1.50 EA**	94689		72	----	10	1	1	1.88 **EA**
41LBL-O	**1.50 EA**	94688		72	----	10	1	1	1.88 **EA**
41LBL-P	**1.50 EA**	94692		72	----	10	1	1	1.88 **EA**
41LBL-R	**1.50 EA**	94686		72	----	10	1	1	1.88 **EA**
41LBL-V	**1.50 EA**	94691		72	----	10	1	1	1.88 **EA**
41LBL-W	**1.50 EA**	94684		72	----	10	1	1	1.88 **EA**
41LBL-Y	**1.50 EA**	94690		72	----	10	1	1	1.88 **EA**
41MB2-EXT	**99.14 EA**	94722		72	----	1	10	----	123.93 **EA**
41MB2-SME	**41.43 EA**	95280		72	----	1	8	----	51.79 **EA**
41MB2-SMF	**48.57 EA**	95279		72	----	1	8	----	60.71 **EA**
41MB2-3FT	**114.26 EA**	94721		72	----	1	11	----	142.83 **EA**
45CM-70C	**1,006.50**	79570	B	56	J2	50	8	10	1,676.80
45CM-79C	**1,632.80**	79573	B	56	J2	50	10	10	2,720.20
47CM-10	**1,019.00**	81107	B	56	J1	30	10	10	1,697.60
47CM-20C	**841.00**	79550	B	56	J1	50	9	10	1,401.10
47CM-29C	**1,657.40**	79554	B	56	J1	50	10	10	2,761.20
50W50	**519.30**	86334	A	54	----	20	1	10	738.40
50W52	**673.60**	01300	A	54	----	10	3	1	957.80
50W54	**703.50**	01301	A	54	----	10	2	1	1,000.30
52CM-62	**1,194.80**	82076	A	56	H4	50	12	10	1,699.00
52CM-66C	**703.90**	79524	A	56	H4	50	8	10	1,000.90
52CM-69C	**1,117.60**	79534	A	56	H4	50	10	10	1,589.20
53CM-62	**1,605.80**	82077	A	56	J2	50	12	10	2,283.40
53CM-66C	**972.40**	79589	A	56	H5	50	8	10	1,382.70
53CM-69C	**1,524.40**	79596	A	56	H5	50	10	10	2,167.70
* **55**	**298.10**	83959	C	05	K11	100	12	10	596.20
61	**120.00**	11345	C	10	M2	250	13	25	240.00
61-I	**120.00**	10716	C	10	M2	250	12	25	240.00
62-P	**155.40**	12767	C	10	M1	250	24	10	310.80
62-PI	**155.40**	12735	C	10	M1	250	25	10	310.80
63	**151.20**	10026	C	10	M1	100	13	10	302.40
63-A	**151.20**	01552	C	10	----	100	12	10	302.40
63-I	**151.20**	10717	C	10	M1	100	13	10	302.40
63-W	**151.20**	79394	C	10	M1	100	13	10	302.40
65	**165.00**	10027	B	10	M1	100	10	10	274.80
65-I	**165.00**	10719	B	10	M1	100	11	10	274.80
65-W	**165.00**	79396	C	10	M1	100	10	10	330.00
69-I	**289.10**	00001	C	10	----	100	13	10	578.20
69-W	**289.10**	00002	C	10	----	100	13	10	578.20
91	**525.20**	13841	C	10	M1	100	29	10	1,050.40
91-I	**525.20**	13776	C	10	M1	100	29	10	1,050.40
101-EP	**125.30**	02423	B	30	----	100	9	10	208.70
101-P	**125.30**	02421	B	30	----	100	9	10	208.70
101-WP	**125.30**	02422	B	30	----	100	9	10	208.70
102-EP	**182.90**	02437	B	30	----	100	6	10	304.70
102-P	**182.90**	02435	B	30	----	100	7	10	304.70
102-WP	**182.90**	03163	B	30	----	100	7	10	304.70
102R	**676.60**	80867	C	56	J5	5	3	1	1,353.20
103R	**1,008.50**	80868	C	56	J5	5	4	1	2,017.00
110R	**625.40**	80869	C	56	J5	5	3	1	1,250.80
113	**252.30**	10036	A	30	H14	100	10	10	358.70
114	**462.80**	10037	A	30	H14	100	12	10	658.10
* **115CR**	**235.90**	84111	C	30	----	100	16	10	471.80
* **115CV**	**230.30**	84092	C	30	H13	100	16	10	460.60
* **115PR**	**201.60**	84099	C	30	----	100	13	10	403.20
* **115PV**	**182.00**	84083	C	30	H13	100	13	10	364.00
* **120**	**360.20 EA**	82458	B	97	R8	5	5	1	600.00 **EA**
* **120-M3S**	**370.80 EA**	89251	B	97	R8	5	3	1	617.70 **EA**
123	**116.20**	05298	C	30	----	50	2	Bulk	232.40
123-I	**116.20**	05299	C	30	----	50	2	Bulk	232.40
123-P	**116.20**	14174	C	30	----	10	1	Bulk	232.40
123-PE	**116.20**	14175	C	30	H11	500	11	Bulk	232.40
123-PI	**116.20**	14178	C	30	----	10	1	Bulk	232.40
123-PW	**116.20**	14176	C	30	----	10	1	Bulk	232.40
124-D	**188.10**	11759	A	05	K11	100	10	25	267.40
125	**63.80**	11352	C	10	M2	500	14	25	127.60
128	**179.80**	11353	C	10	M2	100	10	10	359.60
128-I	**179.80**	10727	C	10	M2	100	10	10	359.60
157	**188.10**	11760	C	05	K11	100	10	25	376.20
157-X	**200.30**	14200	C	05	K11	100	10	25	400.60
167	**156.60**	10729	A	05	K11	100	9	25	222.60
177BI	**112.50 EA**	85956	X	20	----	10	4	1	140.60 **EA**
177IR-IWA	**64.50 EA**	94998	X	20	----	10	7	1	80.60 **EA**
177OC	**93.50 EA**	86513	X	20	----	10	4	1	116.80 **EA**
177RC-E	**54.90 EA**	95001	X	20	----	10	2	1	68.60 **EA**
* **220**	DISCONTINUED								
223	**139.70**	79179	C	01	D11	200	23	10	279.40
223-I	**139.70**	79178	C	01	D11	200	23	10	279.40
223-W	**139.70**	79372	C	01	D11	200	23	10	279.40
242	**161.50**	11361	C	01	----	200	37	10	323.00
267	**164.70**	11363	B	05	K11	100	2	25	274.30
274	**108.90**	00005	B	10	----	120	5	Bulk	181.40
* **275-T**	**1,335.20**	77140	A	30	H11	10	6	1	1,898.60
278	**1,763.80**	11948	B	08	D14	10	4	1	2,938.40
279	**1,763.80**	11949	B	08	D12	10	4	1	2,938.40
279-PM	**1,695.90**	85178	B	08	D12	50	15	Bulk	2,825.30
287-T	**849.50**	13702	A	30	H11	10	5	1	1,207.90
303	**198.60**	11365	C	10	M1	250	27	10	397.20
303-I	**198.60**	10735	C	10	M1	250	28	10	397.20
306	**175.20**	12290	C	10	D12	100	6	10	350.40
306-W	**175.20**	11470	C	10	D12	100	6	10	350.40
320B4W	DISCONTINUED								
320B7W	DISCONTINUED								
320C4W	**64.60 EA**	83857	A	55	HH8	1	1	----	91.86 **EA**
320C6W	**65.90 EA**	83858	A	55	HH8	1	1	----	93.71 **EA**
320C7W	**65.90 EA**	83859	C	55	HH8	1	1	----	131.80 **EA**
320MI6W	**315.70 EA**	84540	B	55	HH12	1	1	----	525.96 **EA**
320MI7W	**315.70 EA**	84541	B	55	HH12	1	1	----	525.96 **EA**
320P4W	**55.10 EA**	83897	A	55	HH8	1	1	----	78.35 **EA**
320P6W	**56.10 EA**	83898	A	55	HH8	1	1	----	79.77 **EA**
320P7W	**56.10 EA**	83899	B	55	HH8	1	1	----	93.46 **EA**
320R4W	**45.50 EA**	83778	A	55	HH8	1	1	----	64.70 **EA**
320R6W	**47.40 EA**	83779	A	55	HH8	1	1	----	67.40 **EA**
320R7W	**47.40 EA**	83780	B	55	HH8	1	1	----	78.97 **EA**
330C4W	**89.10 EA**	83860	B	55	HH8	1	2	----	148.44 **EA**
330C6W	**89.10 EA**	83861	B	55	HH8	1	2	----	148.44 **EA**
330C7W	**89.10 EA**	83862	C	55	HH8	1	2	----	178.20 **EA**
330MI	**369.40 EA**	88295	C	55	----	0		1	738.80 **EA**
330MI6W	**369.40 EA**	84545	B	55	HH12	1	1	----	615.42 **EA**
330MI7W	**369.40 EA**	84546	B	55	HH12	1	1	----	615.42 **EA**
330P4W	**82.00 EA**	83806	B	55	HH8	1	2	----	136.61 **EA**
330P6W	**82.00 EA**	83804	A	55	HH8	1	2	----	116.60 **EA**
330P7W	**82.00 EA**	83805	C	55	HH8	1	2	----	164.00 **EA**
330R4W	**74.30 EA**	83783	B	55	HH8	1	1	----	123.78 **EA**
330R6W	**74.30 EA**	83784	A	55	HH8	1	1	----	105.65 **EA**

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
330R7W	74.30 EA	83785	C	55	HH8	1	1	----	148.60 EA
* 341-D4U	658.80	13652	C	10	K5	20	5	5	1,317.60
* 357-8	616.90	12211	C	10	K5	100	30	5	1,233.80
* 357-9	647.40	12256	C	10	K5	200	46	Bulk	1,294.80
360B4W	125.50 EA	83748	B	55	HH9	1	2	----	209.08 EA
360B6W	125.50 EA	83747	B	55	HH9	1	2	----	209.08 EA
360B7W	125.50 EA	83746	B	55	HH9	1	2	----	209.08 EA
360C4W	147.00 EA	83863	B	55	HH9	1	3	----	244.90 EA
360C6W	147.00 EA	83864	B	55	HH9	1	3	----	244.90 EA
360C7W	147.00 EA	83865	B	55	HH9	1	3	----	244.90 EA
360MI6W	534.20 EA	84442	B	55	HH12	1	1	----	889.98 EA
360MI7W	534.20 EA	84555	B	55	HH12	1	1	----	889.98 EA
360P4W	116.50 EA	83807	B	55	HH9	1	2	----	194.09 EA
360P6W	116.50 EA	83808	B	55	HH9	1	2	----	194.09 EA
360P7W	116.50 EA	83809	B	55	HH9	1	2	----	194.09 EA
360R4W	113.90 EA	83788	B	55	HH9	1	3	----	189.76 EA
360R6W	113.90 EA	83787	B	55	HH9	1	3	----	189.76 EA
360R7W	113.90 EA	83786	B	55	HH9	1	3	----	189.76 EA
* 368	773.20	10742	C	10	----	5	1	1	1,546.40
* 368-1	773.20	10742	C	10	K5	200	26	Bulk	1,546.40
* 377	239.80	11763	C	10	----	250	12	10	479.60
* 377-W	239.80	11951	C	10	----	250	12	10	479.60
* 380	207.80	12076	C	10	K12	100	7	10	415.60
* 388	487.40	11764	C	10	L2	100	6	10	974.80
* 389-W	287.30	11765	C	10	K13	50	3	10	574.60
* 390-1	150.90	13294	C	10	K12	50	3	10	301.80
* 390-1W	150.90	13300	B	10	K12	50	3	10	251.40
* 391-1	299.20	13295	C	10	K12	50	7	10	598.40
* 391-1W	299.20	13301	B	10	K12	50	7	10	498.40
395	223.30	12291	C	10	K13	50	3	10	446.60
395-W	223.30	12318	C	10	K13	50	3	10	446.60
395-2W	197.10	12212	C	10	----	5	1	1	394.20
* 396	212.70	11766	C	10	K12	100	2	10	425.40
* 396-1	229.00	11953	C	10	K12	100	6	10	458.00
* 396-3	204.80	11373	C	10	----	5	2	1	409.60
403-E	40.60	78802	C	10	G27	50	1	Bulk	81.20
404	129.10	78803	C	10	G27	100	3	20	258.20
405-GR	343.60	71391	C	10	G27	100	3	25	687.20
405-R	343.60	57749	C	10	G27	100	3	25	687.20
406-GR	287.90	20025	C	10	G27	100	2	25	575.80
406-R	287.90	11418	C	10	G27	100	2	25	575.80
* 408	347.80	10748	C	10	----	50	3	10	695.60
410L2-100	1.93 EA	94765		72	----	10	2	1	2.41 EA
410L2-50	1.43 EA	94764		72	----	10	1	1	1.79 EA
* 420	204.80	11375	C	10	K13	50	2	10	409.60
* 420-W	204.80	11955	C	10	----	5	1	1	409.60
420B9W	49.90 EA	83751	B	55	----	1	1	----	83.13 EA
420C5W	73.50 EA	83868	B	55	HH8	1	1	----	122.45 EA
420C7W	73.50 EA	83867	A	55	HH8	1	1	----	104.52 EA
420C9W	73.50 EA	83866	A	55	HH8	1	1	----	104.52 EA
420C12W	73.50 EA	83869	A	55	HH8	1	2	----	104.52 EA
420MI5W	353.80 EA	84443	B	55	H12	1	1	----	589.43 EA
420MI7W	353.80 EA	84444	B	55	H12	1	1	----	589.43 EA
420MI9W	353.80 EA	84582	B	55	H12	1	1	----	589.43 EA
420MI12W	353.80 EA	84581	B	55	H12	1	1	----	589.43 EA
420P5W	59.20 EA	83811	B	55	HH9	1	1	----	98.63 EA
420P7W	59.20 EA	83812	A	55	HH9	1	1	----	84.18 EA
420P9W	59.20 EA	83813	A	55	HH9	1	1	----	84.18 EA
420P12W	59.20 EA	83810	A	55	HH9	1	1	----	84.18 EA
420R5W	64.40 EA	83790	B	55	HH9	1	1	----	107.29 EA
420R7W	64.40 EA	83791	A	55	HH9	1	1	----	91.58 EA
420R9W	64.40 EA	83900	A	55	HH9	1	1	----	91.58 EA
420R12W	64.40 EA	83789	A	55	HH9	1	1	----	91.58 EA
423-3	182.60	12585	C	10	L4	100	3	10	365.20
423-3I	182.60	12590	C	10	L4	100	3	10	365.20
423-3W	182.60	12601	C	10	L4	100	3	10	365.20
430C5W	98.10 EA	83870	B	55	HH8	1	2	----	163.43 EA
430C7W	98.10 EA	83872	A	55	HH8	1	2	----	139.50 EA
430C9W	98.10 EA	83873	A	55	HH8	1	2	----	139.50 EA
430C12W	98.10 EA	83871	A	55	HH8	1	2	----	139.50 EA
430MI-12W	414.50 EA	86256	B	55	HH12	1	2	----	690.56 EA
430MI5W	414.50 EA	84763	B	55	HH12	1	1	----	690.56 EA
430MI7W	414.50 EA	84445	B	55	HH12	1	1	----	690.56 EA
430MI9W	414.50 EA	84446	B	55	HH12	1	1	----	690.56 EA
430P5W	89.10 EA	83815	B	55	HH8	1	2	----	148.44 EA
430P7W	89.10 EA	83816	B	55	HH8	1	2	----	148.44 EA
430P9W	89.10 EA	83817	A	55	HH8	1	2	----	126.70 EA
430P12W	89.00 EA	83814	A	55	HH8	1	2	----	126.56 EA
430R5W	79.40 EA	83793	A	55	HH8	1	1	----	112.91 EA
430R7W	79.40 EA	83794	A	55	HH8	1	2	----	112.91 EA
430R9W	79.40 EA	83901	A	55	HH8	1	1	----	112.91 EA
430R12W	79.40 EA	83792	A	55	HH8	1	1	----	112.91 EA
431-W	141.90	14241	C	10	K12	50	2	10	283.80
432C3WL	88.20 EA	96038	B	55	----	1	1	----	146.94 EA
432P3-WL	84.10 EA	96340	B	55	----	1	1	----	140.11 EA
434	223.20	10751	C	10	----	5	1	1	446.40
* 452	345.30	11768	C	10	K12	50	5	10	690.60
* 453	268.10	11769	C	10	K12	50	5	10	536.20
458	287.30	10759	C	10	----	100	5	Bulk	574.60
459	442.40	10760	C	10	----	100	10	Bulk	884.80
460B5W	140.50 EA	83757	B	55	HH9	1	2	----	234.07 EA
460B7W	140.50 EA	83758	B	55	HH9	1	2	----	234.07 EA
460B9W	140.50 EA	83759	B	55	HH9	1	2	----	234.07 EA
460B12W	140.50 EA	83756	B	55	HH9	1	2	----	234.07 EA
460C5W	167.80 EA	83876	B	55	HH9	1	3	----	279.55 EA
460C7W	167.80 EA	83875	A	55	HH9	1	3	----	238.61 EA
460C9W	167.80 EA	83874	B	55	HH9	1	3	----	279.55 EA
460C12W	167.80 EA	83877	A	55	HH9	1	3	----	238.61 EA
460MI5S	519.40 EA	84595	B	55	HH13	1	1	----	865.32 EA
460MI5W	565.70 EA	84596	B	55	HH12	1	1	----	942.46 EA
460MI7S	519.40 EA	84598	B	55	HH13	1	1	----	865.32 EA
460MI7W	565.70 EA	84447	B	55	HH12	1	5	----	942.46 EA
460MI9S	519.40 EA	84599	B	55	HH13	1	1	----	865.32 EA
460MI9W	565.70 EA	84448	B	55	HH12	1	1	----	942.46 EA
460MI12S	519.40 EA	84593	B	55	HH13	1	1	----	865.32 EA
460MI12W	565.70 EA	84594	B	55	HH12	1	1	----	942.46 EA
460P5W	135.60 EA	83820	A	55	HH9	1	2	----	192.82 EA
460P7W	132.90 EA	83819	A	55	HH9	1	2	----	188.98 EA
460P9W	132.90 EA	83818	A	55	HH9	1	2	----	188.98 EA
460P12W	135.60 EA	83821	A	55	HH9	1	3	----	192.82 EA
460R5W	133.00 EA	83796	A	55	HH9	1	3	----	189.13 EA
460R7W	133.00 EA	83795	A	55	HH9	1	3	----	189.13 EA
460R9W	133.00 EA	83902	A	55	HH9	1	3	----	189.13 EA
460R12W	133.00 EA	83797	A	55	HH9	1	3	----	189.13 EA
464	624.40	11770	B	10	K12	50	8	10	1,040.20
465	498.30	11771	B	10	K12	50	8	10	830.10
466	360.80	11772	B	10	K12	50	8	10	601.00
467	285.50	11773	C	10	K12	50	7	10	571.00
* 486	285.00	10764	C	10	----	500	20	Bulk	570.00
* 487	286.20	10765	C	10	----	500	19	Bulk	572.40
488	837.20	10766	C	10	----	100	16	Bulk	1,674.40
489	610.80	10767	C	10	----	100	15	Bulk	1,221.60
492	891.30	11776	C	10	----	50	9	10	1,782.60
493	856.70	11777	C	10	----	50	8	10	1,713.40
498MC-M01	27.20 EA	03961		77	----	12	1	1	34.00 EA
498MC-M02	28.64 EA	03962		77	----	12	1	1	35.80 EA
498MC-M03	30.00 EA	03963		77	----	12	1	1	37.50 EA
498MC-M05	32.80 EA	03964		77	----	12	2	1	41.00 EA
498MC-M10	40.40 EA	03965		77	----	12	1	1	50.50 EA
498MM-M01	26.08 EA	03971		77	----	12	1	1	32.60 EA
498MM-M02	27.60 EA	03972		77	----	12	1	1	34.50 EA
498MM-M03	29.20 EA	03973		77	----	12	1	1	36.50 EA
498MM-M05	32.00 EA	03974		77	----	12	1	1	40.00 EA
498MM-M10	39.20 EA	03975		77	----	12	3	1	49.00 EA
498MT-M01	27.20 EA	03966		77	----	12	1	1	34.00 EA
498MT-M02	28.64 EA	03967		77	----	12	1	1	35.80 EA
498MT-M03	30.00 EA	03968		77	----	12	1	1	37.50 EA
498MT-M05	32.80 EA	03969		77	----	12	1	1	41.00 EA
498MT-M10	40.40 EA	03970		77	----	12	3	1	50.50 EA
510-R	743.60	80468	C	56	J4	5	1	1	1,487.20

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* 515AN	271.50	84294	C	30	H9	10	1	Bulk	543.00
* 515CA	497.80	84178	B	30	----	100	20	10	829.30
* 515CR	485.90	84156	A	30	H9	10	2	Bulk	690.90
* 515CV	481.70	84133	A	30	----	100	17	10	684.90
* 515PA	263.50	84168	A	30	----	50	8	10	374.70
* 515PR	259.60	84143	A	30	H9	50	8	1	369.10
* 515PV	248.10	84124	A	30	----	100	14	10	352.80
* 516	281.30	10769	C	10	K13	100	8	Bulk	562.60
516R6W	65.00 EA	01227	B	55	----	1	1	----	108.29 EA
* 517	231.30	10770	C	10	K13	100	4	Bulk	462.60
* 518	316.40	11381	C	10	K13	100	6	Bulk	632.80
* 519	269.60	11382	C	10	K13	100	5	Bulk	539.20
* 520AN	358.40	84297	C	30	----	100	10	10	716.80
* 520CA	678.10	84222	B	30	----	100	21	10	1,129.70
* 520CV	519.30	84193	C	30	H10	10	2	Bulk	1,038.60
520C5W	84.30 EA	83878	B	55	HH8	1	2	----	140.44 EA
520C7W	84.30 EA	83879	A	55	HH8	1	2	----	119.87 EA
520C9W	84.30 EA	83880	A	55	HH8	1	2	----	119.87 EA
520MI5W	375.60 EA	84618	B	55	HH12	1	1	----	625.75 EA
520MI7W	375.60 EA	84619	B	55	HH12	1	1	----	625.75 EA
520MI9W	375.60 EA	84620	B	55	HH12	1	1	----	625.75 EA
* 520PV	284.50	84188	B	30	H10	10	2	Bulk	473.90
520P5W	65.40 EA	83822	B	55	HH8	1	1	----	108.96 EA
520P7W	65.40 EA	83823	A	55	HH8	1	1	----	93.00 EA
520P9W	65.40 EA	83824	A	55	HH8	1	1	----	93.00 EA
520R5W	71.90 EA	83798	B	55	HH8	1	1	----	119.79 EA
520R7W	71.90 EA	83799	A	55	HH8	1	1	----	102.24 EA
520R9W	71.90 EA	83800	A	55	HH8	1	1	----	102.24 EA
* 521-1W	478.70	11778	C	10	----	200	23	Bulk	957.40
* 522-1W	478.70	11779	C	10	----	200	23	Bulk	957.40
* 523	309.70	10771	C	10	K13	100	8	Bulk	619.40
* 524	275.00	10772	C	10	K13	100	4	Bulk	550.00
530C5W	112.90 EA	83883	B	55	HH8	1	2	----	188.09 EA
530C7W	112.90 EA	83882	A	55	HH8	1	2	----	160.54 EA
530C9W	112.90 EA	83881	A	55	HH8	1	2	----	160.54 EA
530MI5W	451.10 EA	84621	B	55	HH12	1	1	----	751.53 EA
530MI7W	451.10 EA	84622	B	55	HH12	1	1	----	751.53 EA
530MI9W	451.10 EA	84623	B	55	HH12	1	1	----	751.53 EA
530P5W	107.70 EA	83827	B	55	HH12	1	2	----	179.43 EA
530P7W	107.70 EA	83826	A	55	HH12	1	2	----	153.15 EA
530P9W	107.70 EA	83825	A	55	HH8	1	2	----	153.15 EA
530R5W	98.90 EA	83803	B	55	HH8	1	2	----	164.77 EA
530R7W	99.00 EA	83802	A	55	HH8	1	2	----	140.78 EA
530R9W	99.00 EA	83801	A	55	HH8	1	2	----	140.78 EA
531	125.20	10051	C	10	M1	100	8	10	250.40
531-I	125.20	10773	C	10	M1	100	8	10	250.40
531-W	125.20	81313	C	10	M1	100	7	10	250.40
* 554	1,164.10	13550	B	10	K9	200	22	Bulk	1,939.30
* 555	1,164.10	10055	B	10	----	5	1	1	1,939.30
560B5W	152.80 EA	83765	B	55	HH9	1	2	----	254.56 EA
560B7W	149.80 EA	83766	A	55	HH9	1	2	----	213.02 EA
560B9W	149.80 EA	83767	A	55	HH9	1	2	----	213.02 EA
560C5W	171.50 EA	83884	B	55	HH9	1	3	----	285.72 EA
560C7W	171.50 EA	83885	A	55	HH9	1	3	----	243.87 EA
560C9W	171.50 EA	83886	A	55	HH9	1	3	----	243.87 EA
560MI5S	578.60 EA	84628	B	55	HH13	1	1	----	963.95 EA
560MI5W	630.00 EA	84629	B	55	HH12	1	1	----	1,049.58 EA
560MI6S	578.50 EA	84630	B	55	HH13	1	1	----	963.78 EA
560MI7S	578.60 EA	84631	B	55	HH13	1	1	----	963.95 EA
560MI7W	630.00 EA	84632	B	55	HH12	1	1	----	1,049.58 EA
560MI9S	578.60 EA	84633	B	55	HH13	1	1	----	963.95 EA
560MI9W	578.60 EA	84449	B	55	HH12	1	1	----	963.95 EA
560P5W	142.70 EA	83828	B	55	HH9	1	3	----	237.74 EA
560P7W	142.70 EA	83829	A	55	HH9	1	3	----	202.92 EA
560P9W	142.70 EA	83830	A	55	HH9	1	3	----	202.92 EA
560R5W	166.40 EA	83771	B	55	HH9	1	3	----	277.22 EA
560R7W	160.20 EA	83772	A	55	HH9	1	3	----	227.80 EA
560R9W	160.20 EA	83773	A	55	HH9	1	3	----	227.80 EA
* 573	256.90	80983	C	10	L2	100	5	25	513.80
* 585	328.30	12158	C	10	L2	100	4	10	656.60
612	189.70	10781	C	30	H13	100	16	10	379.40
* 615CA	622.80	84248	C	30	----	50	11	10	1,245.60
* 615CV	524.00	84232	C	30	H10	10	2	Bulk	1,048.00
* 615PA	299.20	84241	B	30	----	50	8	10	498.40
* 615PV	339.00	84228	B	30	----	10	1	Bulk	564.70
617	465.10	10782	C	30	H12	100	13	10	930.20
620CA	622.80	84280	C	30	H10	10	2	Bulk	1,245.60
620CV	524.10	84263	C	30	H10	10	2	Bulk	1,048.20
* 620PA	388.60	84272	B	30	----	50	8	10	647.40
* 620PV	339.00	84255	B	30	H10	10	1	Bulk	564.70
* 638	105.40	11391	C	30	H11	250	13	25	210.80
* 638-B	105.40	11782	C	30	H11	250	9	25	210.80
* 638-W	105.40	12320	C	30	H11	250	9	25	210.80
663	302.80	11394	C	10	L2	250	12	25	605.60
* 688-I	456.20	10786	C	10	D1	50	11	1	912.40
* 688-W	456.20	79196	C	10	D1	50	11	1	912.40
697	382.80	10057	B	10	M2	100	12	10	637.70
697-A	382.80	01554	C	10	----	100	13	10	765.60
697-I	382.80	14530	B	10	M2	100	13	10	637.70
697-W	382.80	79398	C	10	M2	100	13	10	765.60
698-I	243.60	20031	C	10	----	100	12	10	487.20
698-W	243.60	79400	C	10	----	100	13	10	487.20
699	500.00	10058	C	10	M2	100	28	10	1,000.00
* 719	373.40	14640	C	10	L3	100	5	10	746.80
720-L	254.10	80984	B	10	L3	100	4	25	423.30
720-L1	251.70	12396	C	10	L3	250	14	25	503.40
720-L5	251.70	14670	C	10	L3	100	4	10	503.40
720-134	299.90	12896	C	10	L3	250	9	Bulk	599.80
* 735	294.00	12082	C	10	L3	100	5	10	588.00
* 738	322.80	10791	C	10	L3	100	5	10	645.60
* 804	293.10	45040	C	10	----	100	6	10	586.20
* 806	298.00	45060	C	10	L4	100	5	10	596.00
* 830-T	1,126.80	81663	B	30	D12	10	4	1	1,877.20
905	188.60	15373	C	10	----	5	1	1	377.20
907	187.30	15377	C	10	----	5	1	1	374.60
* 911-A	16.10 EA	84380	X	21	N5	5	2	1	20.10 EA
* 911-I	16.10 EA	84378	X	21	N5	5	2	1	20.10 EA
* 911-W	16.10 EA	84379	X	21	N5	5	2	1	20.10 EA
* 930	1,727.40	15534	B	30	H11	10	6	1	2,877.80
* 931	1,483.10	15536	B	30	H11	10	6	1	2,470.80
1000-HLC	515.00 EA	86831	B	97	----	1	44	----	857.90 EA
1000-LC	480.60 EA	85399	B	97	----	1	43	----	800.60 EA
1101-2	409.10	35901	A	50	C1	100	19	10	581.70
1101-2GY	409.10	14133	A	50	C1	100	19	10	581.70
1101-2I	409.10	35903	A	50	C1	100	19	10	581.70
1101-2L	657.50	14135	B	50	C1	20	4	10	1,095.40
1101-2W	409.10	14129	A	50	C1	100	19	10	581.70
1102-2	682.30	35907	A	50	C1	20	4	10	970.20
1102-2I	682.30	35909	A	50	C1	20	4	10	970.20
1102-2L	1,070.50	14102	B	50	C1	20	5	10	1,783.40
1103-2	589.10	35911	A	50	C1	50	11	10	837.70
1103-2GY	589.10	14140	A	50	C1	50	11	10	837.70
1103-2I	589.10	35913	A	50	C1	50	11	10	837.70
1103-2L	839.20	14145	B	50	C1	20	4	10	1,398.10
1103-2W	589.10	14136	A	50	C1	50	11	10	837.70
1104-2I	1,613.50	35919	B	50	C1	20	5	10	2,688.00
1104-2L	2,171.30	14103	B	50	C1	20	5	10	3,617.30
1121-2	629.20	35921	A	50	C2	100	19	10	894.70
1121-2GY	629.20	12813	B	50	C2	100	19	10	1,048.20
1121-2I	629.20	35923	A	50	C2	100	19	10	894.70
1121-2L	1,035.10	12831	B	50	C2	20	4	10	1,724.40
1121-2R	629.20	12821	B	50	C2	100	19	10	1,048.20
1121-2W	629.20	12807	A	50	C2	100	19	10	894.70
1122-2	742.20	35927	A	50	C2	20	4	10	1,055.40
1122-2GY	742.20	12832	C	50	C2	20	5	10	1,484.40
1122-2I	742.20	35929	A	50	C2	20	4	10	1,055.40
1122-2L	1,092.20	12842	C	50	C2	20	5	10	2,184.40
1122-2W	742.20	12814	C	50	C2	20	5	10	1,484.40
1123-2	741.80	35931	A	50	C2	50	11	10	1,054.80
1123-2GY	741.80	12815	C	50	C2	50	11	10	1,483.60

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
1123-2I	**741.80**	35933	A	50	C2	50	11	10	1,054.80
1123-2L	**1,123.50**	12833	B	50	C2	50	7	10	1,871.70
1123-2R	**741.80**	12823	C	50	C2	50	11	10	1,483.60
1123-2W	**741.80**	12808	C	50	C2	50	11	10	1,483.60
1124-2	**1,939.30**	35937	B	50	C2	20	5	10	3,230.80
1124-2GY	**1,939.30**	12824	A	50	C2	20	5	10	2,757.60
1124-2I	**1,939.30**	35939	B	50	C2	20	5	10	3,230.80
1124-2L	**2,171.30**	12843	B	50	C2	20	5	10	3,617.30
1124-2R	**1,939.30**	12834	C	50	C2	20	5	10	3,878.60
1124-2W	**1,939.30**	12816	A	50	C2	20	5	10	2,757.60
1201-LHC	**1,154.20**	77971	A	50	C1	30	7	10	1,641.20
1201-LHI	**1,154.20**	77849	A	50	C1	30	7	10	1,641.20
1201-LHW	**1,154.20**	78491	A	50	C1	30	6	10	1,641.20
1201-PLC	**1,032.50**	77853	B	50	C1	30	7	10	1,720.10
1201-PLG	**1,032.50**	78668	A	50	C1	30	7	10	1,468.20
1201-PLR	**1,032.50**	77851	A	50	C1	30	7	10	1,468.20
1201-2	**556.20**	35941	A	50	C1	50	10	10	790.90
1201-2GY	**556.20**	36084	A	50	C1	50	10	10	790.90
1201-2I	**556.20**	35943	A	50	C1	50	10	10	790.90
1201-2IL	**967.20**	14154	B	50	C1	20	4	10	1,611.30
1201-2L	**967.20**	14146	B	50	C1	20	4	10	1,611.30
1201-2R	**556.20**	14130	B	50	C1	50	10	10	926.60
1201-2W	**556.20**	14141	A	50	C1	50	10	10	790.90
1202-PLR	**1,421.20**	77855	A	50	C1	30	7	10	2,020.90
1202-2	**948.20**	35947	A	50	C1	20	5	10	1,348.30
1202-2GY	**948.20**	14147	A	50	C1	20	5	10	1,348.30
1202-2I	**948.20**	35949	A	50	C1	20	5	10	1,348.30
1202-2L	**1,310.10**	14155	B	50	C1	20	5	10	2,182.60
1202-2W	**948.20**	14142	A	50	C1	20	5	10	1,348.30
1203-LHC	**1,684.20**	78127	A	50	C1	30	7	10	2,394.90
1203-LHI	**1,684.20**	78125	A	50	C1	30	7	10	2,394.90
1203-LHW	**1,684.20**	78490	A	50	C1	30	7	10	2,394.90
1203-PLC	**2,175.60**	25001	A	50	C1	30	7	10	3,093.70
1203-PLG	**2,175.60**	78670	A	50	C1	30	7	10	3,093.70
1203-PLR	**2,175.60**	78129	A	50	C1	30	7	10	3,093.70
1203-2	**844.60**	35951	A	50	C1	20	5	10	1,201.00
1203-2GY	**844.60**	36104	A	50	C1	20	5	10	1,201.00
1203-2I	**844.60**	35953	A	50	C1	20	4	10	1,201.00
1203-2IL	**1,141.30**	14161	B	50	C1	20	5	10	1,901.40
1203-2L	**1,141.30**	14156	B	50	C1	20	5	10	1,901.40
1203-2R	**844.60**	14148	C	50	C1	20	5	10	1,689.20
1203-2W	**844.60**	14143	A	50	C1	20	4	10	1,201.00
1204-2	**1,919.10**	16239	B	50	C1	20	5	10	3,197.20
1204-2GY	**1,919.10**	14144	B	50	C1	20	5	10	3,197.20
1204-2I	**1,919.10**	16240	B	50	C1	20	5	10	3,197.20
1204-2L	**2,450.50**	14157	B	50	C1	20	5	10	4,082.50
1204-2W	**1,919.10**	36120	C	50	C1	20	5	10	3,838.20
1210	**213.00**	16270	C	01	----	100	15	10	426.00
1210-I	**213.00**	16272	C	01	----	100	15	10	426.00
1215-CP	**51.10**	77273	A	01	D10	200	32	10	72.60
1215-4	**63.60**	14139	C	01	D10	200	29	Bulk	127.20
1215-4I	**63.60**	14134	C	01	D10	200	29	Bulk	127.20
1221-LHC	**1,575.90**	77861	A	50	C2	30	7	10	2,240.90
1221-LHI	**1,575.90**	77859	A	50	C2	30	7	10	2,240.90
1221-LHW	**1,575.90**	78489	A	50	C2	30	6	10	2,240.90
1221-PLC	**1,640.50**	77865	A	50	C2	30	7	10	2,332.70
1221-PLG	**1,640.50**	78671	A	50	C2	30	7	10	2,332.70
1221-PLR	**1,640.50**	77863	A	50	C2	30	7	10	2,332.70
1221-2	**906.40**	35957	A	50	C2	50	10	10	1,288.90
1221-2A	**906.40**	98043	B	50	----	50	10	10	1,510.00
1221-2E	**906.40**	12844	C	50	C2	50	10	10	1,812.80
1221-2GL	**1,266.90**	83682	B	50	C2	50	11	10	2,110.60
1221-2GY	**906.40**	36124	A	50	C2	50	10	10	1,288.90
1221-2I	**906.40**	35959	A	50	C2	50	10	10	1,288.90
1221-2IL	**1,266.90**	12852	B	50	C2	50	10	10	2,110.60
1221-2L	**1,266.90**	12848	B	50	C2	50	11	10	2,110.60
1221-2R	**906.40**	12835	B	50	C2	50	10	10	1,510.00
1221-2RL	**1,266.90**	83683	B	50	C2	50	11	10	2,110.60
1221-2W	**906.40**	12825	A	50	C2	50	10	10	1,288.90
1221-2WL	**1,266.90**	99346	A	50	----	50	11	10	1,801.50
1221-7LC	**1,963.90**	99264	A	50	----	30	7	10	2,792.60
1221-7LI	**1,963.90**	84808	A	50	----	30	7	10	2,792.60
1221-7PC	**1,640.70**	78131	A	50	C2	30	7	10	2,333.00
1221-7PR	**1,640.50**	77867	A	50	C2	30	7	10	2,332.70
1222-PLC	**2,127.60**	77871	A	50	C2	30	7	10	3,025.40
1222-PLG	**2,127.60**	78672	A	50	C2	30	7	10	3,025.40
1222-PLR	**2,127.60**	77869	A	50	C2	30	7	10	3,025.40
1222-2	**1,050.50**	35961	B	50	C2	20	4	10	1,750.10
1222-2E	**1,050.50**	12845	C	50	C2	20	5	10	2,101.00
1222-2GY	**1,050.50**	14106	B	50	C2	20	5	10	1,750.10
1222-2I	**1,050.50**	35963	B	50	C2	20	4	10	1,750.10
1222-2IL	**1,447.90**	12849	B	50	C2	20	5	10	2,412.20
1222-2L	**1,447.90**	14117	C	50	C2	20	5	10	2,895.80
1222-2R	**1,050.50**	12836	C	50	C2	20	5	10	2,101.00
1222-2W	**1,050.50**	36140	A	50	C2	20	4	10	1,493.80
1222-7PR	**2,127.60**	77873	A	50	C2	30	7	10	3,025.40
1223-LHC	**2,049.70**	78135	A	50	C2	30	7	10	2,914.60
1223-LHI	**2,049.70**	78133	A	50	C2	30	7	10	2,914.60
1223-LHW	**2,049.70**	78396	A	50	C2	30	7	10	2,914.60
1223-PLC	**2,904.60**	78139	A	50	C2	30	7	10	4,130.30
1223-PLG	**2,904.60**	78673	A	50	C2	30	7	10	4,130.30
1223-PLR	**2,904.60**	78137	A	50	C2	30	7	10	4,130.30
1223-2	**968.20**	35967	A	50	C2	20	4	10	1,376.70
1223-2E	**968.20**	12817	C	50	C2	20	5	10	1,936.40
1223-2GL	**1,408.10**	97762	B	50	----	20	5	10	2,345.80
1223-2GY	**968.20**	36144	A	50	C2	20	4	10	1,376.70
1223-2I	**968.20**	35969	A	50	C2	20	4	10	1,376.70
1223-2IL	**1,408.10**	12837	B	50	C2	20	5	10	2,345.80
1223-2L	**1,408.10**	14118	C	50	C2	20	5	10	2,816.20
1223-2R	**968.20**	14128	B	50	C2	20	5	10	1,613.00
1223-2W	**968.20**	12809	A	50	C2	20	4	10	1,376.70
1223-2WL	**1,408.10**	99342	A	50	----	20	5	10	2,002.30
1223-7LC	**2,266.00**	99272	A	50	----	30	7	10	3,222.20
1223-7LI	**2,266.00**	84462	A	50	----	30	7	10	3,222.20
1223-7LW	**2,266.00**	85191	A	50	----	30	7	10	3,222.20
1223-7PR	**2,904.60**	98423	B	50	----	30	7	10	4,839.00
1224-2	**2,259.80**	35971	B	50	C2	20	5	10	3,764.80
1224-2E	**2,259.80**	12818	C	50	C2	20	5	10	4,519.60
1224-2GL	**2,623.20**	97763	B	50	----	20	5	10	4,370.20
1224-2GY	**2,259.80**	14119	C	50	C2	20	5	10	4,519.60
1224-2I	**2,259.80**	35973	B	50	C2	20	5	10	3,764.80
1224-2IL	**2,623.20**	12838	B	50	C2	20	5	10	4,370.20
1224-2L	**2,623.20**	12827	C	50	C2	20	5	10	5,246.40
1224-2R	**2,259.80**	12846	B	50	C2	20	5	10	3,764.80
1224-2W	**2,259.80**	12810	A	50	C2	20	5	10	3,213.40
1224-2WL	**2,623.20**	02593	B	50	----	20	5	10	4,370.20
1228	**279.10**	16390	C	01	D10	100	32	10	558.20
1241-I	**352.20**	16505	B	40	C4	50	9	10	586.70
1242-I	**565.10**	16515	B	40	C4	50	11	10	941.40
1243-I	**518.40**	16252	C	40	C5	50	10	10	1,036.80
* **1254**	**978.50**	83042	A	55	D6	10	6	1	1,391.43
* **1254-E**	**978.50**	84454	B	55	D6	10	6	1	1,630.18
* **1254-GY**	**978.50**	83045	B	55	D6	10	6	1	1,630.18
* **1254-H**	**1,266.90**	83047	A	55	D6	10	6	1	1,801.53
* **1254-HI**	**1,266.90**	83048	A	55	D6	10	6	1	1,801.53
* **1254-HR**	**1,266.90**	83051	B	55	D6	10	6	1	2,110.66
* **1254-HW**	**1,266.90**	83049	B	55	D6	10	6	1	2,110.66
* **1254-I**	**978.50**	83043	A	55	D6	10	6	1	1,391.43
* **1254-IG**	**1,464.50**	83052	A	55	D6	10	6	1	2,082.52
* **1254-IGI**	**1,464.50**	83053	A	55	D6	10	6	1	2,082.52
* **1254-R**	**978.50**	83046	B	55	D6	10	6	1	1,630.18
* **1254-W**	**978.50**	83044	A	55	D6	10	6	1	1,391.43
* **1256**	**1,433.90**	16560	B	53	C7	10	3	1	2,388.80
* **1256-GY**	**1,433.90**	85523	B	53	C7	10	3	1	2,388.80
* **1256-I**	**1,433.90**	16565	B	53	C7	10	3	1	2,388.80
* **1256-L**	**1,691.30**	85524	C	53	C7	10	3	1	3,382.60
* **1256-W**	**1,433.90**	88057	B	53	C7	10	3	1	2,388.80
* **1257**	**1,824.90**	16570	B	53	C7	10	3	1	3,040.20
* **1257-GY**	**1,824.90**	85527	B	53	C7	10	3	1	3,040.20
* **1257-I**	**1,824.90**	16575	B	53	C7	10	3	1	3,040.20

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* 1257-L	2,151.70	80870	C	53	C7	10	3	1	4,303.40
* 1257-W	1,824.90	88058	B	53	C7	10	3	1	3,040.20
* 1260	2,316.50	88272	B	50	----	10	3	1	3,859.20
* 1262	2,316.50	88273	B	50	----	10	3	1	3,859.20
* 1281	3,361.90	16800	B	53	C7	10	3	1	5,600.90
* 1281-I	3,361.90	16810	B	53	C7	10	3	1	5,600.90
* 1281-L	3,697.70	85504	C	53	C7	10	3	1	7,395.40
* 1281-W	3,361.90	88059	B	53	C7	10	3	1	5,600.90
* 1282	3,289.80	16814	B	53	C7	10	2	1	5,480.80
* 1282-I	3,289.80	16816	B	53	C7	10	3	1	5,480.80
* 1282-W	3,289.80	88060	B	53	C7	10	3	1	5,480.80
* 1285	3,443.20	16822	B	53	C7	10	3	1	5,736.30
* 1285-GY	3,443.20	85510	B	53	C7	10	3	1	5,736.30
* 1285-I	3,443.20	16824	B	53	C7	10	3	1	5,736.30
* 1285-L	4,061.30	85511	C	53	C7	10	3	1	8,122.60
* 1285-W	3,443.20	88061	B	53	C7	10	3	1	5,736.30
* 1286	3,386.40	16828	B	53	C7	10	3	1	5,641.70
* 1286-I	3,386.40	16830	B	53	C7	10	3	1	5,641.70
* 1286-L	3,994.30	85514	C	53	----	10	3	1	7,988.60
* 1286-W	3,386.40	88062	B	53	----	10	3	1	5,641.70
* 1287	4,418.60	16833	B	53	----	10	3	1	7,361.30
* 1287-I	4,418.60	16835	B	53	----	10	3	1	7,361.30
* 1287-L	5,212.80	85517	C	50	----	10	3	1	10,425.60
* 1287-W	4,418.60	88063	B	53	----	10	3	1	7,361.30
* 1288	4,472.70	16837	B	53	----	10	3	1	7,451.50
* 1288-I	4,472.70	16839	B	53	----	10	3	1	7,451.50
* 1288-L	5,276.70	85520	C	53	----	10	3	1	10,553.40
* 1288-W	4,472.70	88064	B	53	----	10	3	1	7,451.50
1306	171.90	16840	C	10	D12	100	5	10	343.80
1306-W	171.90	16850	C	10	D12	100	4	10	343.80
* 1373	293.60	17017	C	10	D12	250	22	Bulk	587.20
1374-1	247.90	17025	B	10	D12	100	7	10	413.00
1374-1W	247.90	12430	B	10	D12	100	7	10	413.00
1403	158.00	17120	C	10	M2	250	26	10	316.00
1403-I	158.00	17130	C	10	M2	250	27	10	316.00
1406	241.30	17140	B	10	M2	200	28	10	402.00
1406-I	241.30	17150	C	10	M2	200	29	10	482.60
1419-I	189.40	17222	X	20	N7	100	4	10	236.70
1419-W	189.40	17224	X	20	N7	100	4	10	236.70
1420-I	189.40	02518	X	20	----	100	4	10	236.70
1420-W	189.40	02519	X	20	----	100	10	10	236.70
1432	800.50	17300	C	05	G26	50	16	1	1,601.00
1433	690.10	84821	A	54	H5	20	6	10	981.30
1447	535.60	84819	A	54	H4	20	4	10	761.60
1448	741.60	84822	B	54	H6	20	6	10	1,235.50
1449	710.70	84820	B	54	H5	20	6	10	1,184.00
1451-CP	64.80	15141	A	01	C6	100	11	10	92.10
1451-ICP	64.80	15121	A	01	C6	100	11	10	92.10
1451-WCP	64.80	15143	A	01	C6	100	11	10	92.10
1451-2	65.80	17370	A	01	C6	100	11	10	93.50
1451-2A	65.80	96613	A	01	----	100	11	10	93.50
1451-2AS	70.10	03558	A	01	----	100	13	10	99.60
1451-2I	65.80	77271	A	01	C6	100	11	10	93.50
1451-2IS	70.10	10109	C	01	C6	100	13	10	140.20
1451-2SP	70.10	10108	C	01	C6	100	13	10	140.20
1451-2W	65.80	77820	A	01	C6	100	11	10	93.50
1451-4I	77.60	17410	C	01	C6	100	9	Bulk	155.20
1451-4W	77.60	79426	C	01	C6	100	9	Bulk	155.20
1453-CP	107.10	17421	A	01	C6	100	13	10	152.30
1453-ICP	107.10	17436	A	01	C6	100	13	10	152.30
1453-ISP	111.20	10111	C	01	C6	100	16	10	222.40
1453-SP	111.20	10110	C	01	C6	100	15	10	222.40
1453-WCP	107.10	14020	A	01	C6	100	13	10	152.30
1453-WSP	111.20	10115	C	01	C6	100	15	10	222.40
1453-2	108.60	17450	A	01	C6	100	13	10	154.40
1453-2A	108.60	96621	C	01	----	100	13	10	217.20
1453-2AS	113.10	03559	C	01	----	100	16	10	226.20
1453-2I	108.60	17460	A	01	C6	100	14	10	154.40
1453-2IS	113.10	10113	C	01	C6	100	16	10	226.20
1453-2SP	113.10	10112	C	01	C6	100	15	10	226.20
1453-2W	108.60	17470	A	01	C6	100	14	10	154.40
1453-2WS	113.70	10125	A	01	----	100	16	10	161.60
1453-4I	127.70	17490	C	01	C6	100	12	Bulk	255.40
1453-4W	127.70	79427	C	01	C6	100	12	Bulk	255.40
1461-LHC	203.00	82793	A	01	C6	50	8	10	288.60
1463-LHC	375.50	82794	A	01	C6	50	8	10	533.90
* 1475	206.60	17550	C	10	L1	250	5	Bulk	413.20
* 1475-W	DISCONTINUED								
1533	994.00	85295	A	54	H5	20	5	10	1,413.40
1547	937.30	84814	B	54	H4	20	5	10	1,561.50
1548	1,184.50	84817	B	54	H6	20	3	10	1,973.30
1549	1,102.10	84815	B	54	H5	20	3	10	1,836.10
* 1689	762.70	11420	A	10	L1	250	14	Bulk	1,084.50
* 1689-50	766.30	11790	B	10	L1	100	9	10	1,276.60
* 1689-75	749.50	11972	B	10	L1	100	8	10	1,248.60
* 1690	786.20	11421	B	10	----	250	13	Bulk	1,309.80
* 1691-50	786.70	10832	B	10	L1	100	10	10	1,310.60
1720-T	234.20	17740	C	10	L3	100	4	10	468.40
* 1738	333.30	17745	C	10	L3	100	4	10	666.60
1754-A	901.60	82339	C	06	A19	50	11	10	1,803.20
1754-I	901.60	81306	C	06	A19	50	10	10	1,803.20
1754-ILA	1,193.30	82340	C	06	A19	50	11	10	2,386.60
1754-ILI	1,193.30	81308	C	06	A19	50	11	10	2,386.60
1754-ILW	1,193.30	81309	C	06	A19	50	21	10	2,386.60
1754-W	901.60	81307	C	06	A19	50	10	10	1,803.20
1754-2I	901.60	04076	C	06	----	50	11	10	1,803.20
1754-2W	901.60	04077	C	06	----	50	11	10	1,803.20
1755-A	1,458.50	82338	C	06	A29	50	11	10	2,917.00
1755-I	1,458.50	81310	C	06	A29	50	11	10	2,917.00
1755-W	1,458.50	81311	C	06	A29	50	11	10	2,917.00
1755-2I	1,458.50	04078	C	06	----	50	11	10	2,917.00
1755-2W	1,458.50	04079	C	06	----	50	11	10	2,917.00
* 1865	1,600.40	95415	C	10	----	20	8	1	3,200.80
1909	224.50	98287	C	10	----	200	43	20	449.00
2000-WLC	1,030.00 EA	86833	B	97	----	1	60	----	1,715.90 EA
* 2004	201.50	18570	C	10	K7	100	16	10	403.00
* 2005	260.80	18590	B	10	K7	100	18	10	434.40
* 2006	185.10	18600	B	10	K7	100	8	10	308.30
2052-F	156.20	18620	C	10	----	500	34	Bulk	312.40
* 2052-13	156.20	18655	C	10	----	100	8	10	312.40
2052-8	163.90	18640	C	10	----	100	8	10	327.80
* 2054	187.40	10852	C	10	----	5	1	1	374.80
* 2120	180.90 EA	85446	B	97	R10	5	5	1	301.30 EA
2120-MD	DISCONTINUED								
* 2152	1,053.40	80871	C	40	G27	10	2	1	2,106.80
* 2220	221.20 EA	85447	B	97	R10	5	5	1	368.50 EA
* 2240	DISCONTINUED								
* 2277	292.50 EA	85449	B	97	R10	5	5	1	487.30 EA
2310	1,117.70	80110	A	56	----	30	9	10	1,589.30
2310-IG	1,346.80	80111	A	56	----	30	9	10	1,915.10
2311	879.70	80094	A	56	I4	10	3	1	1,250.90
2311-B	879.70	82787	A	56	----	10	3	1	1,250.90
2311-CY	1,001.20	80096	A	56	----	10	3	1	1,423.70
2311-PLB	1,287.50	98491	A	56	----	10	3	1	1,830.80
2311-PLC	1,287.50	98589	A	56	----	10	3	1	1,830.80
2313	1,367.20	80097	A	56	I4	10	4	1	1,944.10
2313-B	1,367.20	82788	B	56	----	10	4	1	2,277.70
2313-CY	1,543.60	80098	A	56	----	10	3	1	2,195.00
2313-PLB	1,673.80	98493	A	56	----	10	4	1	2,380.10
2313-PLC	1,673.80	98592	A	56	----	10	4	1	2,380.10
2315	981.60	80109	B	56	I4	10	3	1	1,635.30
2316	1,641.80	80100	B	56	I4	10	4	1	2,735.20
2320	1,123.40	80120	A	56	----	30	9	10	1,597.40
2320-IG	1,394.50	80121	A	56	----	30	9	10	1,982.90
2321	879.70	80112	A	56	I4	10	3	1	1,250.90
2321-B	879.70	84751	A	56	----	10	3	1	1,250.90
2321-CY	1,001.20	80113	A	56	----	10	4	1	1,423.70
2323	1,367.20	80115	A	56	I4	10	4	1	1,944.10
2323-B	1,367.20	84752	A	56	----	10	3	1	1,944.10
2323-CY	1,549.50	80116	A	56	----	10	4	1	2,203.30

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
2325	**981.60**	80119	B	56	I4	10	3	1	1,635.30
2326	**1,647.60**	80118	B	56	I4	10	4	1	2,744.90
2330	**1,123.40**	80980	A	56	----	30	9	10	1,597.40
2330-IG	**1,436.30**	80924	A	56	----	30	9	10	2,042.40
2331	**879.70**	80212	A	56	----	10	3	1	1,250.90
2333	**1,372.60**	80801	A	56	----	10	4	1	1,951.80
2335	**981.60**	80590	B	56	I4	10	3	1	1,635.30
2336	**1,647.60**	80596	B	56	I4	10	4	1	2,744.90
2340	**1,251.50**	80925	B	56	I5	30	8	10	2,085.00
2340-IG	**1,442.20**	80926	B	56	I5	30	12	10	2,402.70
2341	**965.40**	80770	B	56	----	10	3	1	1,608.30
2343	**1,507.80**	80802	C	56	----	10	4	1	3,015.60
2345	**993.00**	80591	C	56	I5	10	4	1	1,986.00
2346	**1,678.90**	80597	C	56	I5	10	4	1	3,357.80
2350	**1,579.30**	80927	C	56	I5	30	8	10	3,158.60
2351	**965.80**	80771	C	56	----	10	3	1	1,931.60
2353	**1,507.80**	02906	C	56	----	10	3	1	3,015.60
2355	**998.90**	80592	C	56	I5	10	3	1	1,997.80
2356	**1,751.20**	80598	C	56	I5	10	4	1	3,502.40
2360	**1,632.80**	80929	C	56	I5	30	8	10	3,265.60
2361	**945.30**	80772	C	56	----	10	3	1	1,890.60
2363	**1,473.20**	80804	C	56	----	10	3	1	2,946.40
2365	**1,239.60**	80593	C	56	I5	10	3	1	2,479.20
2366	**1,841.40**	80599	C	56	I5	10	4	1	3,682.80
2370	**1,632.80**	80930	C	56	I5	30	8	10	3,265.60
2371	**945.30**	80883	C	56	----	10	3	1	1,890.60
2373	**1,473.20**	80805	C	56	----	10	3	1	2,946.40
2375	**1,239.60**	80594	C	56	I5	10	4	1	2,479.20
2376	**1,841.40**	80600	C	56	I5	10	4	1	3,682.80
2380	**1,571.40**	80931	C	56	I5	30	8	10	3,142.80
2381	**1,092.50**	80774	C	56	----	10	3	1	2,185.00
2383	**1,571.40**	80806	C	56	----	10	3	1	3,142.80
2385	**2,021.90**	80595	C	56	I5	10	3	1	4,043.80
2386	**1,757.30**	81099	C	56	I5	10	4	1	3,514.60
2410	**1,573.90**	80932	A	56	----	30	9	10	2,238.00
2410-IG	**1,847.50**	80933	A	56	----	30	9	10	2,627.10
2411	**1,335.40**	80811	A	56	I6	10	4	1	1,898.90
* **2412**	**180.90 EA**	05088	B	97	----	5	5	1	301.30 **EA**
2413	**1,870.70**	80829	A	56	----	10	5	1	2,660.10
2415	**1,384.70**	80626	B	56	I6	10	4	1	2,306.90
2416	**1,951.40**	80632	B	56	I6	10	5	1	3,251.00
2420	**1,579.20**	80934	A	56	----	30	9	10	2,245.60
2420-IG	**1,847.50**	80935	A	56	----	30	10	10	2,627.10
2421	**1,430.90**	80812	A	56	I6	10	4	1	2,034.70
2423	**1,875.90**	80830	A	56	----	10	5	1	2,667.50
2425	**1,384.70**	80627	B	56	I6	10	4	1	2,306.90
2426	**1,951.40**	80633	B	56	I6	10	5	1	3,251.00
2430	**1,605.70**	80936	B	56	----	30	9	10	2,675.10
2430-IG	**1,883.20**	80937	B	56	I6	30	8	10	3,137.40
2431	**1,441.40**	80818	B	56	I6	10	4	1	2,401.30
2433	**1,934.20**	80831	B	56	----	10	5	1	3,222.30
2435	**1,414.20**	80628	C	56	I6	10	4	1	2,828.40
2436	**1,998.00**	80634	C	56	I6	10	4	1	3,996.00
2440	**1,782.00**	80938	C	56	I6	30	8	10	3,564.00
2441	**1,573.30**	80826	C	56	----	10	4	1	3,146.60
2443	**2,193.10**	80832	C	56	----	10	3	1	4,386.20
2445	**1,474.30**	80629	C	56	I6	10	4	1	2,948.60
2446	**2,094.20**	80635	C	56	I6	10	4	1	4,188.40
2447	**604.10**	85297	B	56	I3	20	3	10	1,006.40
2450	**1,787.90**	80939	C	56	I7	30	8	10	3,575.80
2451	**1,573.30**	80827	C	56	----	10	3	1	3,146.60
2453	**2,193.10**	80833	C	56	----	10	3	1	4,386.20
2455	**1,474.30**	80630	C	56	I7	10	4	1	2,948.60
2456	**2,100.40**	80636	C	56	I7	10	5	1	4,200.80
2460	**1,787.90**	80940	C	56	I7	30	8	10	3,575.80
2461	**1,579.30**	80828	C	56	----	10	3	1	3,158.60
2463	**2,204.90**	80834	C	56	----	10	3	1	4,409.80
2465	**1,480.30**	80631	C	56	I7	10	4	1	2,960.60
2466	**2,100.40**	80637	C	56	I7	10	5	1	4,200.80
* **2480**	**297.60 EA**	85450	B	97	R10	5	5	1	495.80 **EA**
2510	**1,913.10**	80941	A	56	I7	30	8	10	2,720.40
2510-IG	**2,160.60**	80942	B	56	I7	30	8	10	3,599.50
2511	**1,717.00**	80851	A	56	----	10	4	1	2,441.50
2513	**2,957.00**	05689	A	56	----	10	5	1	4,204.80
2515	**2,226.60**	80652	B	56	I7	10	4	1	3,709.50
2516	**4,098.20**	80653	B	56	I7	10	5	1	6,827.60
2520	**1,971.30**	80943	B	56	I7	30	8	10	3,284.10
2520-IG	**2,246.60**	80944	B	56	I7	30	9	10	3,742.80
2521	**1,770.00**	80852	B	56	----	10	4	1	2,948.80
2523	**3,047.20**	80855	B	56	----	10	3	1	5,076.60
2525	**2,310.80**	80587	C	56	I7	10	4	1	4,621.60
2526	**4,248.70**	80654	C	56	I7	10	5	1	8,497.40
2530	**2,032.20**	80945	B	56	I7	30	8	10	3,385.60
2530-IG	**2,252.70**	80946	B	56	I7	30	8	10	3,753.00
2531	**1,823.50**	80853	B	56	----	10	4	1	3,037.90
2533	**3,128.70**	80856	B	56	----	10	5	1	5,212.40
2536	**360.80**	55432	C	10	K12	100	8	10	721.60
2537	**267.80**	77527	C	10	K12	100	7	10	535.60
2545	**2,310.80**	80586	C	56	I7	10	4	1	4,621.60
2546	**4,248.70**	80655	C	56	I7	10	5	1	8,497.40
2547	**996.30**	85296	B	56	I3	20	3	10	1,659.80
2591	**314.20**	83012	C	10	L2	100	4	10	628.40
2592	**285.40**	86512	B	10	----	250	5	Bulk	475.40
2610	**1,589.80**	80947	A	56	----	30	9	10	2,260.70
2610-IG	**1,835.40**	80948	A	56	----	30	9	10	2,609.90
2611	**1,367.20**	80798	A	56	I8	10	4	1	1,944.10
2611-B	**1,367.20**	82789	B	56	----	10	3	1	2,277.70
2611-CY	**1,479.50**	80799	A	56	----	10	3	1	2,103.80
2611-PLB	**1,297.80**	98494	A	56	----	10	4	1	1,845.40
2611-PLC	**1,297.80**	98593	A	56	----	10	4	1	1,845.40
2613	**2,723.80**	80787	A	56	----	10	4	1	3,873.20
2613-B	**2,723.80**	82790	B	56	----	10	3	1	4,537.80
2613-CY	**2,829.70**	80786	A	56	----	10	3	1	4,023.80
2613-PLB	**2,348.40**	98511	A	56	----	10	4	1	3,339.40
2613-PLC	**2,348.40**	98594	A	56	----	10	4	1	3,339.40
2615	**1,727.20**	80661	B	56	I8	10	3	1	2,877.50
2616	**2,082.30**	80617	B	56	I8	10	4	1	3,469.10
2620	**1,717.00**	80949	A	56	----	30	9	10	2,441.50
2620-IG	**2,007.20**	80950	A	56	----	30	9	10	2,854.20
2621	**1,377.80**	80795	A	56	I8	10	4	1	1,959.20
2621-B	**1,377.80**	82791	B	56	I8	30	11	10	2,295.40
2621-CY	**1,377.80**	80796	A	56	----	10	4	1	1,959.20
2625F	**2,310.80**	80662	B	56	I8	10	3	1	3,849.70
2626F	**2,383.10**	80618	B	56	I8	10	4	1	3,970.20
2630	**1,717.00**	80951	A	56	I9	30	8	10	2,441.50
2630-IG	**2,013.40**	80952	B	56	I9	30	8	10	3,354.30
2631	**1,346.00**	80794	A	56	----	10	4	1	1,914.00
2633	**2,745.10**	80701	A	56	----	10	4	1	3,903.50
2635	**1,733.20**	80663	B	56	I9	10	2	1	2,887.50
2636	**2,088.20**	80619	B	56	I9	10	4	1	3,478.90
2640	**1,823.50**	80953	B	56	I9	30	8	10	3,037.90
2640-IG	**2,013.40**	80954	B	56	I9	30	8	10	3,354.30
2641	**1,443.10**	80793	B	56	----	10	3	1	2,404.20
2643	**2,890.40**	80780	B	56	----	10	4	1	4,815.40
2645	**1,793.30**	80611	C	56	I9	10	3	1	3,586.60
2646	**2,160.40**	80620	C	56	I9	10	4	1	4,320.80
2650-A	**1,823.50**	80955	B	56	I9	30	8	10	3,037.90
2650-IG	**2,013.40**	80956	B	56	I9	30	8	10	3,354.30
2651-2I	**344.10**	50084	C	01	C6	100	11	10	688.20
2651-2W	**344.10**	85130	C	01	C6	100	11	10	688.20
2653-2I	**478.40**	13989	C	01	C6	100	14	10	956.80
2653-2W	**478.40**	85132	C	01	C6	100	14	10	956.80
2655	**1,793.30**	80612	C	56	I9	10	3	1	3,586.60
2656	**2,166.40**	80621	C	56	I9	10	4	1	4,332.80
2660-A	**2,038.00**	80957	C	56	I9	30	8	10	4,076.00
2661	**1,411.70**	80791	C	56	----	10	3	1	2,823.40
2663	**2,762.30**	80778	C	56	----	10	4	1	5,524.60
2665	**1,973.90**	80613	C	56	I9	10	3	1	3,947.80
2666	**2,334.90**	80622	C	56	I9	10	3	1	4,669.80
2670	**2,062.40**	80958	C	56	I9	30	8	10	4,124.80

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
2671	1,411.70	80790	C	56	----	10	3	1	2,823.40
2673	2,762.30	80777	C	56	----	10	3	1	5,524.60
2675	1,973.90	80614	C	56	I9	10	3	1	3,947.80
2676	2,334.90	80623	C	56	I9	10	4	1	4,669.80
2680	1,939.70	80959	C	56	I9	30	8	10	3,879.40
2681	1,730.90	80789	C	56	----	10	3	1	3,461.80
2683	3,363.70	80776	C	56	----	10	3	1	6,727.40
2685	1,865.40	80615	C	56	I9	10	2	1	3,730.80
2686	2,202.60	80624	C	56	I9	10	4	1	4,405.20
2690	1,816.80	80960	C	56	I9	30	8	10	3,633.60
2691	1,730.90	80788	C	56	----	10	3	1	3,461.80
2693	3,363.70	80775	C	56	----	10	3	1	6,727.40
2695	1,745.20	80616	C	56	I9	10	3	1	3,490.40
2696	2,226.60	80625	C	56	I9	10	4	1	4,453.20
2710	2,496.00	80961	A	56	----	30	10	10	3,549.30
2710-IG	2,756.10	80962	A	56	----	30	10	10	3,919.10
2711	1,828.30	80835	A	56	I10	10	4	1	2,599.80
2711-CY	1,913.10	80836	C	56	----	10	4	1	3,826.20
2713	3,789.10	80743	A	56	----	10	5	1	5,388.10
2713-CY	3,789.10	80844	C	56	----	10	3	1	7,578.20
2715	2,178.50	80638	B	56	I10	10	4	1	3,629.30
2716	2,503.40	80645	B	56	I10	10	4	1	4,170.60
2720	2,511.90	80963	A	56	----	30	10	10	3,571.90
2720-IG	3,337.10	80964	A	56	----	30	8	10	4,745.30
2721	1,844.20	80837	A	56	I10	10	4	1	2,622.40
2723	3,799.70	80845	A	56	----	10	5	1	5,403.10
2725	2,178.50	80639	B	56	I10	10	4	1	3,629.30
2726	2,503.40	80646	B	56	I10	10	4	1	4,170.60
2730	2,522.50	80965	A	56	----	30	10	10	3,587.00
2730-IG	2,762.30	80966	A	56	----	30	8	10	3,927.90
2731	1,854.80	80838	B	56	----	10	4	1	3,090.10
2733	3,910.90	80846	B	56	----	10	5	1	6,515.50
2735	2,256.80	80640	C	56	I10	10	4	1	4,513.60
2736	2,593.80	80647	C	56	I10	10	4	1	5,187.60
2740	2,520.80	80967	B	56	I10	30	8	10	4,199.60
2740-IG	2,737.60	80968	B	56	I10	30	4	10	4,560.80
2741	1,930.80	80839	B	56	----	10	4	1	3,216.70
2743	4,046.50	80847	B	56	----	10	3	1	6,741.40
2745	2,262.70	80641	C	56	I10	10	4	1	4,525.40
2746	2,593.80	80648	C	56	I10	10	4	1	5,187.60
2750	2,628.20	80969	C	56	I10	30	8	10	5,256.40
2751	1,984.50	80840	C	56	----	10	4	1	3,969.00
2753	4,195.40	80848	C	56	----	10	3	1	8,390.80
2755	2,383.10	80642	C	56	I10	10	4	1	4,766.20
2756	2,696.00	80649	C	56	I10	10	4	1	5,392.00
2760	2,634.00	80970	C	56	I10	30	8	10	5,268.00
2761	1,984.50	80841	C	56	----	10	4	1	3,969.00
2763	4,201.50	80849	C	56	----	10	5	1	8,403.00
2765	2,389.10	80643	C	56	I10	10	3	1	4,778.20
2766	2,702.00	80650	C	56	I10	10	4	1	5,404.00
2770	2,640.00	80971	C	56	I11	30	8	10	5,280.00
2771	1,984.50	80842	C	56	----	10	4	1	3,969.00
2773	4,207.20	80850	C	56	----	10	3	1	8,414.40
2775	2,395.10	80644	C	56	I11	10	4	1	4,790.20
2776	2,714.10	80651	C	56	I11	10	5	1	5,428.20
2810	2,660.30	80972	A	56	I11	30	9	10	3,782.90
2810-IG	3,087.50	80973	B	56	I11	30	9	10	5,143.70
2811	2,035.00	80857	A	56	----	10	4	1	2,893.70
2813	3,757.20	80860	A	56	----	10	5	1	5,342.70
2815	2,310.80	80656	B	56	I11	10	4	1	3,849.70
2816	4,465.30	80658	B	56	I11	10	5	1	7,439.10
2820	2,812.80	80974	B	56	I11	30	9	10	4,686.10
2820-IG	3,130.50	80975	B	56	I11	30	9	10	5,215.40
* 2821	2,157.20	80858	B	56	----	10	4	1	3,593.90
2823	3,975.00	80861	B	56	----	10	5	1	6,622.30
2825	2,395.10	80657	C	56	I11	10	4	1	4,790.20
2826	4,627.70	80659	C	56	I11	10	5	1	9,255.40
2830	2,920.10	80976	C	56	I11	30	9	10	5,840.20
2830-IG	3,136.70	80977	B	56	I11	30	9	10	5,225.70
2831	2,234.80	80859	C	56	----	10	3	1	4,469.60
2833	4,123.90	80862	C	56	----	10	4	1	8,247.80
2835	2,401.10	80588	C	56	I11	10	4	1	4,802.20
2836	4,639.80	80660	C	56	I11	10	4	1	9,279.60
* 3031-LHI	1,646.40	78141	B	50	C3	30	7	10	2,742.90
* 3031-PLC	1,646.40	78147	B	50	C3	30	7	10	2,742.90
* 3031-PLR	1,646.40	78145	B	50	C3	30	7	10	2,742.90
* 3031-2	1,246.30	36184	B	50	C3	10	2	10	2,076.30
* 3031-2I	1,246.30	36185	B	50	C3	10	2	10	2,076.30
* 3031-2L	1,648.00	77230	B	50	C3	20	5	10	2,745.50
* 3031-2W	1,246.30	83679	B	50	C3	10	2	10	2,076.30
* 3032-PLC	2,008.50	78151	B	50	C3	30	7	10	3,346.10
* 3032-PLR	2,008.50	78149	B	50	C3	30	7	10	3,346.10
* 3032-2	1,601.70	36191	B	50	C3	10	2	10	2,668.40
* 3032-2I	1,601.70	36192	B	50	C3	10	2	10	2,668.40
* 3032-2L	1,957.00	77232	B	50	C3	20	5	10	3,260.30
* 3032-2W	1,601.70	83680	B	50	C3	10	2	10	2,668.40
* 3033-2	1,575.90	36193	B	50	C3	10	2	10	2,625.40
* 3033-2I	1,575.90	36194	B	50	C3	10	2	10	2,625.40
* 3033-2L	1,957.00	77234	B	50	C3	20	3	10	3,260.30
* 3033-2W	1,575.90	83681	B	50	C3	10	2	10	2,625.40
3100B4W	205.20 EA	83837	C	55	HH9	1	3	----	410.40 EA
3100B6W	205.20 EA	83840	C	55	HH9	1	3	----	410.40 EA
3100B7W	205.20 EA	83841	B	55	HH9	1	3	----	341.86 EA
3100C4W	205.20 EA	83848	B	55	HH9	1	5	----	341.86 EA
3100C6W	205.20 EA	83851	B	55	HH9	1	5	----	341.86 EA
3100C7W	205.20 EA	83852	B	55	HH9	1	5	----	341.86 EA
3100MI6W	627.60 EA	84522	A	55	HH13	1	12	----	892.45 EA
3100MI7W	627.60 EA	84523	A	55	HH13	1	1	----	892.45 EA
3100P4W	163.90 EA	83888	B	55	HH9	1	4	----	273.06 EA
3100P6W	163.90 EA	83891	B	55	HH9	1	4	----	273.06 EA
3100P7W	163.90 EA	83892	B	55	HH9	1	4	----	273.06 EA
3100R4W	143.60 EA	83832	B	55	HH9	1	4	----	239.24 EA
3100R6W	143.60 EA	83835	B	55	HH9	1	4	----	239.24 EA
3100R7W	143.60 EA	83836	B	55	HH9	1	4	----	239.24 EA
3125B6W	198.30 EA	84525	B	55	HH14	1	4	----	330.37 EA
3125C6W	209.60 EA	84526	B	55	HH14	1	4	----	349.19 EA
3125P6W	167.60 EA	84527	B	55	HH14	1	3	----	279.22 EA
3125R6W	146.90 EA	84528	B	55	HH14	1	2	----	244.74 EA
3128-CM	3,346.30	80400	C	56	J4	10	6	1	6,692.60
3152-F	226.10	19500	C	10	K8	100	12	10	452.20
3152-S	223.20	19510	B	10	K8	100	13	10	371.80
* 3254	312.20	83066	A	55	D6	10	2	1	443.95
* 3254-BLU	312.20	83073	B	55	D6	10	2	1	520.13
* 3254-E	312.20	83071	A	55	D6	10	2	1	443.95
* 3254-GY	312.20	83069	A	55	D6	10	2	1	443.95
* 3254-I	312.20	83067	A	55	D6	10	2	1	443.95
* 3254-OR	312.20	83072	A	55	D6	10	2	1	443.95
* 3254-R	312.20	83070	A	55	D6	10	2	1	443.95
* 3254-W	312.20	83068	A	55	D6	10	2	1	443.95
3325-C	1,215.30	82961	B	56	I7	10	3	1	2,024.60
3325-GC	1,215.30	82960	B	56	I7	10	2	1	2,024.60
3326-C	2,097.50	82963	B	56	I7	10	4	1	3,494.40
3330	2,160.90	82157	A	56	I12	30	8	10	3,072.80
3330-G	2,160.90	82116	A	56	I12	30	8	10	3,072.80
3331-C	1,591.70	81682	A	56	----	10	4	1	2,263.40
3331-GC	1,591.70	81683	A	56	I12	30	11	10	2,263.40
3333	3,122.00	81684	A	56	----	10	4	1	4,439.40
3333-GC	3,122.00	81685	A	56	----	10	4	1	4,439.40
3334-C	2,062.50	81686	A	56	I12	10	3	1	2,932.80
3334-GC	2,062.50	81687	B	56	I12	10	3	1	3,436.10
3335-C	2,541.50	81832	B	56	I12	10	4	1	4,234.10
* 3352-F	233.50	19520	C	10	K9	100	6	10	467.00
* 3352-1	198.90	19515	C	10	K9	100	7	10	397.80
* 3352-4	181.20	19517	C	10	K9	100	6	10	362.40
* 3352-8	218.80	19530	C	10	K9	100	7	10	437.60
3400-PS	12.70 EA	82796	B	97	R8	10	14	1	21.10 EA
3420-35	61.80 EA	97755	B	98	----	10	2	1	102.90 EA
3420-9	61.80 EA	97754	B	98	----	10	2	1	102.90 EA
3430	2,828.20	82159	A	56	I12	30	8	10	4,021.70
3430-G	2,828.30	82158	A	56	I12	30	12	10	4,021.80

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
3431-C	2,154.80	81698	A	56	----	10	3	1	3,064.10
3431-GC	2,154.80	81697	A	56	----	10	4	1	3,064.10
3433	4,731.90	81699	A	56	----	10	5	1	6,728.70
3433-C	4,731.90	71700	A	56	----	10	5	1	6,728.70
3434-C	2,804.30	81688	B	56	I12	10	4	1	4,671.90
3435-C	3,069.10	81690	B	56	I12	10	4	1	5,113.10
3500-P	8.60 EA	82798	A	97	R5	10	5	1	12.20 EA
3500-PC	16.30 EA	82800	A	97	R5	10	7	1	23.10 EA
3500-PS	12.40 EA	82797	A	97	R8	10	15	1	17.60 EA
3500-PT	12.80 EA	82799	A	97	R5	10	6	1	18.20 EA
3520	2,387.40	82164	A	56	I7	30	9	10	3,394.80
3521-C	2,142.60	82952	A	56	----	10	4	1	3,046.70
3523-C	3,697.50	82953	A	56	----	10	3	1	5,257.80
3525-C	5,188.20	82955	C	56	I7	10	5	1	10,376.40
* 3721	965.40	82342	C	56	----	10	3	1	1,930.80
* 3723	1,507.80	82343	C	56	----	10	3	1	3,015.60
* 3762-C	5,780.60	80440	C	56	I12	10	8	1	11,561.20
* 3763-C	4,767.60	80439	C	56	I12	10	9	1	9,535.20
* 3764-C	5,899.80	80446	C	56	I12	10	8	1	11,799.60
* 3765-C	5,005.90	80445	B	56	I12	10	9	1	8,339.80
* 3769	4,886.70	80444	B	56	I12	10	6	1	8,141.20
* 3771	5,125.10	80438	B	56	I12	10	6	1	8,538.40
3775	3,802.80	84014	B	56	----	10	1	1	6,335.40
* 3800-DIN	30.90 EA	86881	B	97	----	10	2	1	51.40 EA
* 3800-OEM	26.80 EA	86882	B	97	----	10	2	1	44.60 EA
* 3800-WM	28.80 EA	86883	B	97	----	10	2	1	47.90 EA
3803-DHP	87.60 EA	95000	B	98	----	10	2	1	145.90 EA
3803-MOD	87.60 EA	02983	B	98	----	10	2	1	145.90 EA
3803-485	92.70 EA	95718	B	98	----	10	2	1	154.40 EA
3812-DIN	30.90 EA	95905	C	97	----	10	2	1	61.80 EA
3812-OEM	26.80 EA	95902	C	97	----	10	2	1	53.60 EA
3812-WM	28.80 EA	95908	C	97	----	10	2	1	57.60 EA
3824-DIN	30.90 EA	01866	B	97	----	10	2	1	51.40 EA
3824-OEM	26.80 EA	95903	B	97	----	10	2	1	44.60 EA
3824-WM	28.80 EA	95909	B	97	----	10	2	1	47.90 EA
3840-OEM	26.80 EA	96005	B	97	----	5	2	1	44.60 EA
3848-DIN	30.90 EA	95907	C	97	----	10	2	1	61.80 EA
3848-OEM	26.80 EA	01865	C	97	----	10	2	1	53.60 EA
3848-WM	28.80 EA	95910	C	97	----	10	2	1	57.60 EA
3860-GEF	103.00 EA	00241	B	98	----	5	2	1	171.60 EA
3861-ETH	92.70 EA	00240	B	98	----	5	2	1	154.40 EA
3862-CON	92.70 EA	00243	B	98	----	5	2	1	154.40 EA
3863-DEV	92.70 EA	00242	B	98	----	5	2	1	154.40 EA
* 4005	714.70	19890	C	10	K9	100	35	10	1,429.40
* 4006	720.90	19900	C	10	K9	100	37	10	1,441.80
* 4010	611.70	19940	C	10	K9	100	28	10	1,223.40
* 4015-D4F	555.80	19995	C	10	K5	20	3	5	1,111.60
4020-A3A	587.80	20055	C	10	K5	20	3	5	1,175.60
* 4032-E5F	570.10	20063	C	10	K5	20	4	5	1,140.20
4063	452.50	20105	C	10	K9	100	10	10	905.00
4063-1	461.40	20110	C	10	K9	100	10	10	922.80
4100B5W	212.00 EA	83838	B	55	HH9	1	3	----	353.19 EA
4100B7W	213.00 EA	83842	B	55	HH9	1	3	----	354.86 EA
4100B9W	213.00 EA	83844	B	55	HH9	1	3	----	354.86 EA
4100B12W	213.00 EA	83768	B	55	HH9	1	3	----	354.86 EA
4100C5W	234.00 EA	83849	A	55	HH9	1	5	----	332.75 EA
4100C7W	234.00 EA	83853	A	55	HH9	1	5	----	332.75 EA
4100C9W	234.00 EA	83855	A	55	HH9	1	5	----	332.75 EA
4100C12W	234.00 EA	83847	A	55	HH9	1	5	----	332.75 EA
4100MI5W	656.10 EA	84572	A	55	HH13	1	13	----	932.97 EA
4100MI7W	656.10 EA	84450	A	55	HH13	1	4	----	932.97 EA
4100MI9W	656.10 EA	84524	A	55	HH13	1	4	----	932.97 EA
4100MI12W	656.10 EA	84571	A	55	HH13	1	4	----	932.97 EA
4100P5W	172.60 EA	83889	A	55	----	1	5	----	245.44 EA
4100P7W	172.60 EA	83893	A	55	----	1	5	----	245.44 EA
4100P9W	172.60 EA	83895	A	55	----	1	5	----	245.44 EA
4100P12W	172.60 EA	83887	A	55	----	1	5	----	245.44 EA
4100R5W	167.70 EA	83833	A	55	HH9	1	4	----	238.47 EA
4100R7W	167.70 EA	83774	A	55	HH7	1	4	----	238.47 EA
4100R9W	167.70 EA	83776	A	55	HH9	1	4	----	238.47 EA
4100R12W	167.70 EA	83831	A	55	HH9	1	4	----	238.47 EA
4125B6W	233.00 EA	84573	B	55	HH14	1	4	----	388.18 EA
4125C6W	239.30 EA	84574	B	55	HH14	1	3	----	398.67 EA
4125P6W	176.50 EA	84575	B	55	HH14	1	3	----	294.05 EA
4125R6W	172.00 EA	84576	B	55	HH14	1	4	----	286.55 EA
* 4155	285.00	20130	C	10	K10	100	9	10	570.00
* 4155-3	294.50	20135	C	10	K10	100	10	10	589.00
* 4155-51	283.30	20140	C	10	K10	100	9	10	566.60
* 4155-53	284.00	20145	C	10	K10	100	10	10	568.00
* 4158	402.60	20150	C	10	K10	100	9	10	805.20
4254-E	468.30	84638	A	55	D6	10	3	1	665.92
4254-GY	468.30	83103	A	55	D6	10	3	1	665.92
4254-I	468.30	83102	A	55	D6	10	3	1	665.92
4254-OR	468.30	83104	A	55	D6	10	3	1	665.92
4254-Y	468.30	88287	A	55	D6	10	3	1	665.92
* 4400-P	10.00 EA	05302	A	97	----	20	20	1	14.20 EA
* 4400-PC	15.00 EA	04410	A	97	----	20	20	1	21.30 EA
* 4400-PT	14.00 EA	05303	A	97	----	20	20	1	19.90 EA
4550	1,637.50	77796	A	56	I3	50	13	10	2,328.50
4550-IG	1,686.60	77798	C	56	I3	50	13	10	3,373.20
4560	1,081.10	79702	A	56	I3	30	6	10	1,537.30
4560-IG	1,662.70	79703	B	56	I3	30	6	10	2,770.00
4560-SS	951.40	79704	C	56	I3	50	6	10	1,902.80
4570-C	736.70	79567	A	56	I3	50	8	10	1,047.50
4570-CA	852.20	79569	B	56	I3	50	8	10	1,419.70
4570-CY	798.70	79568	A	56	I3	50	8	10	1,135.70
4579-C	1,305.20	79571	A	56	I3	50	10	10	1,855.90
4579-CY	1,352.80	79572	A	56	I3	50	10	10	1,923.60
4585-C	1,156.90	79574	B	56	I3	30	5	10	1,927.40
* 4585-CWP	3,095.20	04618	C	56	----	10	4	1	6,190.40
4586-C	841.30	79575	B	56	I3	30	4	10	1,401.60
* 4586-CWP	3,095.20	04619	C	56	----	10	4	1	6,190.40
* 4600-CPS	10.20 EA	02505	C	97	----	10	17	1	20.40 EA
* 4600-PS	10.20 EA	94356	B	97	----	10	17	1	16.90 EA
* 4625A-24I	0.90 EA	84672		70	S10	25	3	1	1.13 EA
* 4625A-24W	0.90 EA	84673		70	S10	25	2	1	1.13 EA
* 4625A-26I	1.06 EA	84674		70	S10	25	3	1	1.33 EA
* 4625A-26W	1.06 EA	84675		70	----	25	3	1	1.33 EA
* 4625B-44	0.90 EA	84663		70	----	25	2	1	1.13 EA
* 4625B-44A	0.90 EA	03062		70	----	25	3	1	1.13 EA
* 4625B-44G	0.90 EA	84665		70	----	25	5	1	1.13 EA
* 4625B-44I	0.90 EA	84662		70	----	25	3	1	1.13 EA
* 4625B-44W	0.90 EA	84664		70	----	25	2	1	1.13 EA
* 4625B-46G	1.06 EA	84668		70	----	25	5	1	1.33 EA
* 4625B-46I	1.06 EA	84666		70	----	25	3	1	1.33 EA
* 4625B-46W	1.06 EA	84667		70	----	25	3	1	1.33 EA
* 4625B-48I	1.80 EA	84669		70	----	25	3	1	2.25 EA
* 4625B-48W	1.80 EA	84670		70	----	25	3	1	2.25 EA
4700	1,436.10	77800	A	56	I3	50	12	10	2,042.10
4700-IG	1,698.50	77802	B	56	I3	50	13	10	2,829.70
4702-IR	1,637.70	94377	C	56	----	50	13	10	3,275.40
4703-IR	1,637.70	94378	C	56	----	50	13	10	3,275.40
4710	959.20	79698	A	56	I3	30	6	10	1,363.90
4710-IG	1,656.80	79699	B	56	I3	30	6	10	2,760.20
4710-SS	884.00	79701	C	56	I3	50	6	10	1,768.00
4715-C	987.50	79555	B	56	I3	30	6	10	1,645.10
* 4715-CWP	3,095.20	02463	B	56	----	10	5	1	5,156.60
* 4715-FWP	3,095.20	02462	B	56	----	10	5	1	5,156.60
4716-C	782.90	79556	A	56	I3	30	5	10	1,113.20
* 4716-CWP	3,095.20	02465	B	56	----	10	4	1	5,156.60
* 4716-FWP	3,095.20	02464	B	56	----	10	4	1	5,156.60
4720-C	699.50	79549	A	56	I3	50	8	10	994.60
4720-CA	774.70	79975	A	56	I3	50	9	10	1,101.60
* 4720-CB	699.50	82785	A	56	I3	50	8	10	994.60
4720-CY	739.00	79551	A	56	I3	50	8	10	1,050.80
4729-C	1,240.00	79552	A	56	I3	50	10	10	1,763.20
* 4729-CB	1,240.00	82786	A	56	I3	50	10	10	1,763.20
4729-CY	1,311.20	79553	A	56	I3	50	10	10	1,864.50
4750	1,644.80	77804	A	56	I3	50	13	10	2,338.90
4750-IG	1,730.90	77806	C	56	I3	50	12	10	3,461.80

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
4760	1,070.50	79706	A	56	I3	30	6	10	1,522.20
4760-IG	1,829.20	79707	B	56	I3	30	6	10	3,047.40
4770-C	805.50	79576	A	56	I3	50	8	10	1,145.40
4770-CA	905.90	79579	B	56	I3	50	8	10	1,509.20
4770-CY	852.20	79577	A	56	I3	50	8	10	1,211.80
4779-C	1,324.90	79580	A	56	I3	50	10	10	1,884.00
4779-CY	1,460.10	79581	A	56	I3	50	10	10	2,076.20
4785-C	1,215.30	79584	B	56	I3	30	5	10	2,024.60
4786-C	888.10	79583	B	56	I3	30	4	10	1,479.50
4792	1,581.10	94380	C	56	----	50	13	10	3,162.20
4794-1R	1,843.70	94379	C	56	----	50	13	10	3,687.40
4795-2R	1,843.70	94381	C	56	----	50	13	10	3,687.40
4800-PS	12.10 EA	87944	B	97	R7	10	17	1	20.10 EA
4800-PSN	15.20 EA	82257	B	97	----	10	17	1	25.30 EA
4800-S15	15.20 EA	94642	A	97	R7	10	26	1	21.60 EA
4870	945.30	79710	B	56	I3	30	6	10	1,574.80
4880-C	1,289.20	79585	C	56	I3	50	8	10	2,578.40
4889-C	1,387.30	79586	C	56	I3	50	10	10	2,774.60
4900-P	20.00 EA	86737	A	97	----	10	8	1	28.40 EA
4900-PC	24.00 EA	86739	A	97	----	10	10	1	34.10 EA
4900-PSC	28.70 EA	79669	A	97	R7	10	16	1	40.80 EA
4900-PST	31.80 EA	85457	A	97	----	10	19	1	45.20 EA
4900-PT	23.00 EA	86738	A	97	----	10	9	1	32.70 EA
4925-2	422.50	79106	C	05	G26	30	9	1	845.00
4926	586.80	79107	C	05	G26	30	12	1	1,173.60
4927	108.40	20220	B	84	G12	100	10	10	180.50
4934	151.60	20260	B	84	G12	100	18	10	252.50
4937	771.80	20290	C	40	H14	50	16	1	1,543.60
4950-PS	25.00 EA	86740	A	97	----	10	17	1	35.50 EA
4950-PSC	30.00 EA	86742	A	97	----	10	21	1	42.60 EA
4950-PST	29.00 EA	86741	A	97	----	10	19	1	41.20 EA
4950-S15	32.00 EA	01870	B	97	----	10	28	1	53.30 EA
4970	261.70	20355	A	05	G26	50	17	1	372.10
4976-GY	180.30	77218	A	05	----	50	9	1	256.30
4976-W	180.30	82270	A	05	----	50	9	1	256.30
4978-GY	352.30	20019	A	05	----	50	10	1	500.90
4978-W	352.30	88021	A	05	----	50	10	1	500.90
4979-GY	352.30	20059	A	05	----	50	11	1	500.90
4980-GY	586.80	20068	A	05	----	50	10	1	834.40
4986-GY	295.50	80534	B	05	G26	10	3	1	492.30
4990	557.50	20357	A	05	G26	30	11	1	792.70
4992	665.50	10170	A	05	G26	30	11	1	946.30
4996-GY	469.60	20073	A	05	----	50	12	1	667.70
4996-W	469.60	88023	A	05	----	50	12	1	667.70
4998-GY	469.60	20108	A	05	----	50	10	1	667.70
4998-W	469.60	88022	A	05	----	50	10	1	667.70
5000-I	246.40	20370	C	01	D11	100	18	10	492.80
5014-ISP	273.80	79018	C	40	D5	100	19	10	547.60
5014-SP	273.80	79017	C	40	D5	100	19	10	547.60
5014-WSP	273.80	79019	C	40	D5	100	20	10	547.60
5015	183.80	20580	C	40	D8	100	14	10	367.60
5015-A	183.80	04680	B	40	----	100	14	10	306.20
5015-I	183.80	20600	B	40	D8	100	14	10	306.20
5015-ISP	178.60	79021	C	40	D8	100	17	10	357.20
5015-SP	178.60	79020	C	40	D8	100	16	10	357.20
5015-W	183.80	20605	B	40	D8	100	14	10	306.20
5015-WSP	178.60	79022	C	40	D8	100	19	10	357.20
5028	271.10	77355	C	40	----	50	10	10	542.20
5028-I	271.10	77357	C	40	D8	50	11	10	542.20
5029	204.20	20750	C	40	----	100	17	10	408.40
5029-I	204.20	20760	C	40	D8	100	14	10	408.40
5031	383.70	20790	C	40	D9	50	11	10	767.40
5031-I	383.70	20800	C	40	D9	50	10	10	767.40
5032	476.90	20810	C	40	D9	100	13	10	953.80
5032-I	476.90	20820	C	40	D9	100	13	10	953.80
5040-I	419.30	20905	B	40	D8	100	23	10	698.50
5042	414.90	20910	C	40	D8	50	19	1	829.80
5050	359.20	10021	A	08	D14	10	8	1	510.70
5054	359.20	10022	A	08	D13	10	8	1	510.70
5059	330.20	21090	C	10	D8	50	18	1	660.40
5088	445.20	21260	C	40	D7	50	9	10	890.40
5088-A	445.20	98744	B	40	----	50	9	10	741.70
5088-I	445.20	21270	C	40	D7	50	10	10	890.40
5089	477.00	21280	C	40	D7	50	9	10	954.00
5089-I	477.00	21290	C	40	D7	50	9	10	954.00
5100-GP	25.00 EA	85451	A	97	R5	10	9	1	35.50 EA
5100-GS	29.20 EA	85375	A	97	R5	10	20	1	41.50 EA
5100-G15	36.80 EA	85382	A	97	R5	10	28	1	52.30 EA
5100-IPS	30.40 EA	85368	A	97	R7	10	32	1	43.20 EA
5100-IS2	36.80 EA	85358	A	97	R7	10	32	1	52.30 EA
5100-P	25.00 EA	04468	B	97	----	10	9	1	41.60 EA
5100-PS	29.20 EA	83359	A	97	R7	10	19	1	41.50 EA
5100-S15	36.80 EA	84033	A	97	HH9	10	28	1	52.30 EA
5100B5W	222.20 EA	83839	C	55	HH9	1	4	----	444.40 EA
5100B7W	234.20 EA	83843	B	55	HH9	1	4	----	390.18 EA
5100B9W	234.20 EA	83845	B	55	HH9	1	4	----	390.18 EA
5100C5W	240.40 EA	83850	C	55	HH9	1	5	----	480.80 EA
5100C7W	240.40 EA	83854	A	55	HH9	1	5	----	341.85 EA
5100C9W	240.40 EA	83856	A	55	HH9	1	5	----	341.85 EA
5100M5W	679.00 EA	84607	A	55	HH13	1	1	----	965.54 EA
5100M7W	679.00 EA	84608	A	55	HH13	1	1	----	965.54 EA
5100M9W	679.00 EA	84609	A	55	HH13	1	1	----	965.54 EA
5100P5W	193.40 EA	83890	B	55	HH9	1	5	----	322.20 EA
5100P7W	193.40 EA	83894	A	55	HH9	1	5	----	275.01 EA
5100P9W	193.40 EA	83896	A	55	HH9	1	5	----	275.01 EA
5100R5W	175.60 EA	83834	B	55	HH9	1	4	----	292.55 EA
5100R7W	175.60 EA	83775	A	55	HH9	1	4	----	249.70 EA
5100R9W	175.60 EA	83777	A	55	HH9	1	4	----	249.70 EA
5125B6W	251.20 EA	84610	B	55	HH14	1	1	----	418.50 EA
5125C6W	257.90 EA	84611	B	55	HH14	1	1	----	429.66 EA
5125R6W	184.90 EA	84613	B	55	HH14	1	2	----	308.04 EA
5200-GP	35.30 EA	85452	A	97	R5	10	9	1	50.20 EA
5200-GS	39.70 EA	85376	A	97	R5	10	20	1	56.40 EA
5200-G15	46.40 EA	85381	A	97	R5	10	31	1	65.90 EA
5200-P	35.30 EA	84315	A	97	R5	10	10	1	50.20 EA
5200-PS	39.70 EA	83358	A	97	R5	10	20	1	56.40 EA
5200-S15	46.40 EA	84032	A	97	R5	10	31	1	65.90 EA
5206	248.00	81120	A	08	D14	20	7	1	352.60
5207	248.00	81121	A	08	D13	20	7	1	352.60
5212-W	402.30	78507	A	06	E1	100	23	10	572.00
5219-W	710.50	78366	B	06	E1	100	24	10	1,183.60
5224-I	655.80	22630	A	06	E2	100	19	10	932.50
5224-ISP	655.80	10204	C	06	----	50	14	10	1,311.60
5224-SP	655.80	10203	C	06	----	100	26	10	1,311.60
5224-WSP	655.80	10210	C	06	----	50	14	10	1,311.60
5224-2	679.60	22643	A	06	----	100	24	10	966.30
5224-2A	679.60	99892	C	06	----	100	23	10	1,359.20
5224-2I	679.60	22645	A	06	----	100	19	10	966.30
5224-2W	679.60	22648	A	06	----	100	23	10	966.30
5225	703.50	22650	A	06	----	100	23	10	1,000.30
5225-A	703.50	99895	C	06	----	100	24	10	1,407.00
5225-I	703.50	22660	A	06	----	100	24	10	1,000.30
5225-ISP	738.70	10206	C	06	E2	50	14	10	1,477.40
5225-SP	738.70	10205	C	06	E2	50	14	5	1,477.40
5225-W	703.50	96584	A	06	----	100	24	10	1,000.30
5225-WSP	738.70	10207	C	06	E2	50	14	10	1,477.40
5226	655.80	22680	B	06	----	20	5	10	1,092.50
5226-A	655.80	99896	C	06	----	20	5	10	1,311.60
5226-I	655.80	22690	B	06	----	20	5	10	1,092.50
5226-ISP	688.60	10211	C	06	----	50	13	10	1,377.20
5226-W	655.80	22700	B	06	E2	20	5	10	1,092.50
5239	513.80	22890	C	10	H12	20	2	10	1,027.60
5240	513.80	22900	C	10	H12	20	4	10	1,027.60
5241	980.20	22910	B	06	E2	20	5	10	1,633.00
5241-I	980.20	22920	B	06	E2	20	5	10	1,633.00
5241-W	980.20	22930	B	06	E2	20	5	10	1,633.00
5242	396.60	78808	A	50	D4	50	10	10	563.90
5242-GY	396.60	78809	A	50	D4	50	10	10	563.90
5242-I	396.60	78813	A	50	D4	50	11	10	563.90
5242-R	396.60	78811	A	50	D4	50	11	10	563.90

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
5242-W	**396.60**	78810	A	50	D4	50	10	10	563.90
5243	**1,269.20**	22940	B	06	E2	20	5	10	2,114.40
5243-I	**1,269.20**	22950	B	06	E2	20	5	10	2,114.40
5243-W	**1,269.20**	22960	B	06	E2	20	5	10	2,114.40
5245	**1,045.20**	22970	C	06	E2	20	6	10	2,090.40
5245-I	**1,045.20**	22980	C	06	E2	20	6	10	2,090.40
5245-W	**1,045.20**	22990	C	06	E2	20	6	10	2,090.40
5248-CP	**53.40**	23042	A	01	D10	200	31	10	75.90
5248-ICP	**53.40**	23051	A	01	D10	200	31	10	75.90
5248-WCP	**53.40**	14021	A	01	D10	200	31	10	75.90
5248-4	**55.90**	23106	A	01	D10	200	28	Bulk	79.40
5248-4I	**55.90**	23102	A	01	D10	200	29	Bulk	79.40
5248-4W	**55.90**	79428	A	01	D10	200	29	Bulk	79.40
5249-CAP	**386.30**	01873	C	40	----	10	1	1	772.60
5249-FBA	**3,055.00**	87090	C	40	----	1	1	----	6,110.00
5250	**2,245.40**	80872	C	40	D8	10	6	1	4,490.80
5251	**463.50**	13029	A	50	D4	50	9	10	659.10
5251-I	**463.50**	13127	A	50	D4	50	9	10	659.10
5252	**551.10**	81954	A	50	D4	50	11	10	783.60
5252-A	**551.10**	98740	A	50	----	50	10	10	783.60
5252-BU	**551.10**	85165	B	50	----	50	10	10	918.10
5252-E	**551.10**	81959	C	50	D4	50	10	10	1,102.20
5252-GY	**551.10**	81957	A	50	D4	50	10	10	783.60
5252-I	**551.10**	81955	A	50	D4	50	10	10	783.60
5252-R	**551.10**	81958	A	50	D4	50	10	10	783.60
5252-W	**551.10**	81956	A	50	D4	50	10	10	783.60
5256-VA	**530.50**	05516	B	58	----	30	5	10	883.80
5256-VB	**432.60**	05517	A	58	----	30	5	10	615.10
* **5256-VBM**	**432.60**	86359	A	58	H4	50	6	Bulk	615.10
* **5256-VGY**	**432.60**	86360	A	58	H4	50	9	10	615.10
5256-VY	**406.90**	05601	A	58	----	50	7	10	578.60
* **5258-SS**	**360.50**	80762	B	40	D8	50	5	10	600.50
5259-VB	**860.10**	05505	A	58	----	50	8	10	1,223.00
5259-VBM	**860.10**	86354	A	58	H4	50	7	Bulk	1,223.00
5259-VGY	**860.10**	05537	B	58	----	50	9	10	1,432.90
5259-VY	**808.60**	05518	A	58	----	50	8	10	1,149.80
5261	**803.40**	13031	A	50	D4	50	9	10	1,142.40
5261-CH	**1,874.60**	49688	C	50	D4	10	3	1	3,749.20
5261-GY	**803.40**	13212	A	50	----	50	9	10	1,142.40
5261-I	**803.40**	13129	A	50	D4	50	9	10	1,142.40
5261-IG	**1,395.70**	49689	B	50	D2	50	10	10	2,325.20
5261-W	**803.40**	84882	A	50	----	50	5	10	1,142.40
5262	**906.40**	81924	A	50	D4	50	12	10	1,288.90
5262-E	**906.40**	81929	C	50	D4	50	12	10	1,812.80
5262-GY	**906.40**	81927	B	50	D4	50	12	10	1,510.00
5262-GYS	**906.40**	96019	C	50	----	50	10	Bulk	1,812.80
5262-HLI	**1,622.30**	49703	C	50	D1	50	12	10	3,244.60
5262-HLR	**1,622.30**	13332	C	50	D1	50	12	10	3,244.60
5262-HLW	**1,622.30**	49705	C	50	D1	50	12	10	3,244.60
5262-I	**906.40**	81925	A	50	D4	50	13	10	1,288.90
5262-IG	**1,133.00**	81989	A	50	D3	50	12	10	1,611.10
5262-IGB	**1,133.00**	81898	B	50	D1	50	12	10	1,887.50
5262-IGG	**1,133.00**	81987	C	50	D1	50	12	10	2,266.00
5262-IGI	**1,133.00**	81899	B	50	D1	50	12	10	1,887.50
5262-IGR	**1,133.00**	81988	B	50	D1	50	12	10	1,887.50
5262-IGW	**1,133.00**	81900	C	50	D1	50	12	10	2,266.00
5262-R	**906.40**	81928	B	50	D3	50	12	10	1,510.00
5262-S	**906.40**	90496	A	50	D1	50	10	Bulk	1,288.90
5262-SG	**1,549.10**	13353	A	50	D1	50	13	10	2,202.80
5262-SGG	**1,549.10**	13356	B	50	D1	50	13	10	2,580.80
5262-SGI	**1,549.10**	13354	A	50	D1	50	13	10	2,202.80
5262-SGR	**1,549.10**	13358	B	50	D1	50	13	10	2,580.80
5262-SGW	**1,549.10**	13355	B	50	D1	50	13	10	2,580.80
5262-SI	**906.40**	95251	A	50	D1	50	10	Bulk	1,288.90
5262-SR	**906.40**	00670	C	50	----	50	10	Bulk	1,812.80
5262-SW	**906.40**	95981	A	50	D1	50	10	Bulk	1,288.90
5262-W	**906.40**	81926	B	50	D4	50	12	10	1,510.00
5262A	**906.40**	82068	A	50	D4	50	12	10	1,288.90
5262A-GY	**906.40**	82071	B	50	D4	50	12	10	1,510.00
5262A-I	**906.40**	82069	A	50	D4	50	12	10	1,288.90
5262A-W	**906.40**	82070	B	50	D4	50	12	10	1,510.00
5266-C	**602.60**	79520	A	56	H4	100	16	10	856.90
5266-CA	**777.70**	79530	A	56	H4	50	8	10	1,105.80
5266-CB	**602.60**	82525	A	56	H4	100	16	10	856.90
5266-CG	**638.60**	79523	A	56	H4	50	8	10	908.00
5266-CO	**638.60**	79522	A	56	H4	50	8	10	908.00
5266-CY	**638.60**	79521	A	56	H4	50	8	10	908.00
5266-N	**602.60**	85156	A	58	----	50	6	10	856.90
5266-PLB	**1,004.30**	98361	A	56	----	50	10	10	1,428.10
5266-PLC	**1,004.30**	98586	A	56	----	50	10	10	1,428.10
5269-C	**1,086.30**	79531	A	56	H4	50	10	10	1,544.70
5269-CA	**1,346.80**	79538	C	56	H4	50	10	10	2,693.60
5269-CB	**1,086.30**	82526	A	56	H4	50	10	10	1,544.70
5269-CG	**1,155.30**	79533	A	56	H4	50	10	10	1,642.80
5269-CY	**1,155.30**	79532	A	56	H4	50	10	10	1,642.80
5269-N	**1,055.80**	85157	A	58	H4	50	7	10	1,501.30
5269-PLB	**1,287.50**	98365	A	56	----	50	10	10	1,830.80
5269-PLC	**1,287.50**	98588	A	56	----	50	10	10	1,830.80
5278-C	**726.20**	79539	B	56	H4	30	5	10	1,209.80
* **5278-CWP**	**3,095.20**	01871	B	56	----	10	4	1	5,156.60
* **5278-FWP**	**3,095.20**	00577	B	56	----	10	1	1	5,156.60
5279-C	**1,014.60**	79540	B	56	H4	30	6	10	1,690.30
* **5279-CWP**	**3,095.20**	01872	B	56	----	10	1	1	5,156.60
* **5279-FWP**	**3,095.20**	00578	B	56	----	10	5	1	5,156.60
* **5280**	**2,157.90**	78299	A	97	R3	10	4	1	3,068.50
* **5280-A**	**2,157.90**	83038	B	97	R3	10	4	1	3,595.00
* **5280-B**	**2,157.90**	82033	A	97	R3	10	4	1	3,068.50
* **5280-GY**	**2,157.90**	78301	A	97	R3	10	4	1	3,068.50
* **5280-I**	**2,157.90**	78297	A	97	R3	10	4	1	3,068.50
* **5280-IGA**	**2,374.20**	89199	B	97	----	10	5	1	3,955.40
* **5280-IGB**	**2,374.20**	81843	A	97	R3	10	5	1	3,376.10
* **5280-IGG**	**2,374.20**	80578	A	97	R3	10	5	1	3,376.10
* **5280-IGI**	**2,374.20**	80577	A	97	R3	10	5	1	3,376.10
* **5280-IGW**	**2,374.20**	80579	A	97	R3	10	5	1	3,376.10
* **5280-W**	**2,157.90**	78303	A	97	R3	10	4	1	3,068.50
* **5284-SS**	**602.60**	80763	C	40	D8	50	7	10	1,205.20
5292	**1,194.80**	90172	B	50	D5	50	10	10	1,990.50
5292-I	**1,194.80**	90185	B	50	D5	50	10	10	1,990.50
5299	**18.90 EA**	20016	A	90	F2	10	4	1	26.80 **EA**
5299-I	**18.90 EA**	04750	A	90	----	10	4	1	26.80 **EA**
5299-W	**18.90 EA**	04751	A	90	----	10	4	1	26.80 **EA**
5300-CS	**64.40 EA**	02348	B	97	----	10	21	1	107.20 **EA**
5300-CST	**72.70 EA**	02346	B	97	----	10	12	1	121.10 **EA**
5300-GP	**45.60 EA**	85453	A	97	R4	10	11	1	64.80 **EA**
5300-GS	**51.50 EA**	85377	A	97	R4	10	22	1	73.20 **EA**
5300-GSC	**58.10 EA**	85379	A	97	----	10	22	1	82.60 **EA**
5300-GST	**58.10 EA**	85378	A	97	----	10	10	1	82.60 **EA**
5300-G15	**58.10 EA**	85380	A	97	----	10	31	1	82.60 **EA**
5300-HPS	**58.10 EA**	84377	A	97	R7	10	28	1	82.60 **EA**
5300-IPS	**53.70 EA**	84376	A	97	R7	10	30	1	76.30 **EA**
5300-P	**45.60 EA**	84313	A	97	R4	10	11	1	64.80 **EA**
5300-PS	**51.50 EA**	83357	A	97	R7	10	21	1	73.20 **EA**
5300-PSC	**58.10 EA**	83039	A	97	R7	10	12	1	82.60 **EA**
5300-PST	**58.10 EA**	83040	A	97	R7	10	12	1	82.60 **EA**
5300-S15	**58.10 EA**	84030	A	97	R7	10	31	1	82.60 **EA**
5320-ACP	**51.90**	82807	A	01	----	200	25	10	73.80
5320-ASP	**52.90**	03560	C	01	----	200	28	10	105.80
5320-CP	**51.90**	15130	A	01	D10	200	24	10	73.80
5320-ICP	**51.90**	15127	A	01	D10	200	25	10	73.80
5320-ISP	**52.90**	10008	A	01	D10	200	28	10	75.20
5320-S	**66.40**	23195	A	01	D10	200	25	10	94.40
5320-SI	**66.40**	23205	A	01	D10	200	25	10	94.40
5320-SP	**52.90**	10007	A	01	D10	200	28	10	75.20
5320-SW	**66.40**	82980	A	01	D10	200	25	10	94.40
5320-WCP	**51.90**	15142	A	01	D10	200	24	10	73.80
5320-WSP	**52.90**	10009	A	01	D10	200	28	10	75.20
5325	**232.40**	23310	A	60	A6	200	26	10	330.40
5325-A	**232.40**	25678	A	60	A6	200	26	10	330.40
5325-ASP	**235.60**	79159	A	60	----	100	19	10	335.00
5325-E	**232.40**	35678	B	60	A6	200	26	10	387.10

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
5325-ESP	**235.60**	23312	A	60	A6	100	19	10	335.00
5325-GSP	**235.60**	78395	A	60	A6	100	19	10	335.00
5325-GY	**232.40**	23314	A	60	A6	200	26	10	330.40
5325-I	**232.40**	23320	A	60	----	200	26	10	330.40
5325-ISP	**235.60**	10402	A	60	A6	100	19	10	335.00
5325-S	**304.70**	23322	B	60	A6	200	25	10	507.60
5325-SI	**304.70**	23323	B	60	A6	200	25	10	507.60
5325-SP	**235.60**	10401	A	60	A6	100	19	10	335.00
5325-SW	**304.70**	23324	B	60	A6	200	25	10	507.60
5325-W	**232.40**	23330	A	60	----	200	26	10	330.40
5325-WSP	**235.60**	10403	A	60	A6	100	15	10	335.00
5328-W	**232.40**	79001	A	60	A12	100	17	10	330.40
5334	**1,052.00**	23335	B	06	E2	50	13	10	1,752.60
5334-I	**1,052.00**	23340	B	06	E2	50	13	10	1,752.60
5334-W	**1,052.00**	05147	B	06	----	50	13	10	1,752.60
5335	**1,305.70**	23342	B	06	E2	50	14	10	2,175.30
5335-I	**1,305.70**	23343	B	06	E2	50	14	10	2,175.30
5336	**1,094.60**	23345	C	06	E2	50	13	10	2,189.20
5336-I	**1,094.60**	23350	C	06	E2	50	13	10	2,189.20
5340	**571.60**	10214	B	40	D9	100	23	10	952.20
5340-I	**571.60**	10945	B	40	D9	100	23	10	952.20
5342	**587.10**	78814	A	50	D4	50	10	10	834.80
5342-GY	**587.10**	78815	A	50	D4	50	10	10	834.80
5342-I	**587.10**	78819	A	50	D4	50	11	10	834.80
5342-R	**587.10**	78817	B	50	D4	50	11	10	978.10
5342-W	**587.10**	78816	A	50	D4	50	11	10	834.80
5350-BNC	**37.70 EA**	83511	A	97	R6	10	4	1	53.60 **EA**
5350-PC	**21.70 EA**	83114	A	97	R6	10	4	1	30.80 **EA**
5350-PT4	**21.70 EA**	83113	A	97	R6	10	3	1	30.80 **EA**
5350-PT8	**25.80 EA**	85370	A	97	----	10	3	1	36.60 **EA**
5350-RS2	**57.40 EA**	83509	A	97	R6	10	4	1	81.60 **EA**
5350-SAT	**21.20 EA**	85369	A	97	----	10	4	1	30.10 **EA**
5350-TBT	**57.40 EA**	83510	A	97	R6	10	4	1	81.60 **EA**
5350-TEB	**43.50 EA**	83513	A	97	R6	10	4	1	61.80 **EA**
5350-TLL	**37.70 EA**	83508	A	97	R6	10	4	1	53.60 **EA**
5350-TTR	**57.40 EA**	83512	A	97	R6	10	4	1	81.60 **EA**
5351	**576.80**	13033	A	50	D4	50	9	10	820.20
5351-I	**576.80**	13131	A	50	D4	50	9	10	820.20
5352	**782.80**	81960	A	50	D4	50	10	10	1,113.10
5352-A	**782.80**	98741	A	50	----	50	10	10	1,113.10
5352-BU	**782.80**	85164	B	50	----	50	10	10	1,304.10
5352-E	**782.80**	81965	A	50	D4	50	10	10	1,113.10
5352-GY	**782.80**	81963	B	50	D4	50	10	10	1,304.10
5352-I	**782.80**	81961	A	50	D4	50	10	10	1,113.10
5352-R	**782.80**	81964	A	50	D4	50	10	10	1,113.10
5352-W	**782.80**	81962	A	50	D4	50	10	10	1,113.10
5356-VA	**741.60**	05509	B	58	----	30	5	10	1,235.50
5356-VB	**643.80**	05507	B	58	----	50	7	10	1,072.50
5356-VBM	**643.80**	86370	A	58	H5	50	6	Bulk	915.40
5356-VY	**618.00**	05506	A	58	----	50	8	10	878.80
5359-VB	**999.10**	86374	B	58	H5	50	9	10	1,664.50
5359-VBM	**999.10**	86375	B	58	H5	50	7	Bulk	1,664.50
5359-VY	**973.40**	05510	A	58	----	50	9	10	1,384.10
5360-DDS	**31.90 EA**	83514	B	97	R6	10	4	1	53.10 **EA**
5360-RS2	**49.30 EA**	83515	B	97	R6	10	4	1	82.10 **EA**
5360-TBT	**51.60 EA**	83516	B	97	R6	10	4	1	85.90 **EA**
5361	**901.30**	49870	A	50	D4	50	9	10	1,281.60
5361-A	**901.30**	98738	C	50	----	50	9	10	1,802.60
5361-CH	**1,905.50**	49849	C	50	D4	10	3	1	3,811.00
5361-CR	**1,141.20**	78692	B	56	J2	50	11	10	1,901.20
5361-E	**901.30**	96777	B	50	----	50	7	10	1,501.50
5361-GY	**901.30**	49876	A	50	D4	50	9	10	1,281.60
5361-I	**901.30**	13133	A	50	D4	50	9	10	1,281.60
5361-IG	**1,395.70**	49868	A	50	D3	50	10	10	1,984.60
5361-W	**901.30**	49879	C	50	D4	50	9	10	1,802.60
5362	**1,066.10**	81930	A	50	D4	50	12	10	1,515.90
5362-E	**1,066.10**	81935	C	50	D4	50	13	10	2,132.20
5362-GY	**1,066.10**	81933	B	50	D4	50	13	10	1,776.10
5362-GYS	**1,066.10**	96020	C	50	----	50	10	Bulk	2,132.20
5362-HLI	**1,751.00**	13330	C	50	D1	50	12	10	3,502.00
5362-HLR	**1,751.00**	49853	C	50	D1	50	12	10	3,502.00
5362-HLW	**1,751.00**	48855	C	50	D1	50	13	10	3,502.00
5362-I	**1,066.10**	81931	A	50	D4	50	12	10	1,515.90
5362-IG	**1,411.10**	81911	A	50	D3	50	12	10	2,006.50
5362-IGA	**1,411.10**	00627	A	50	----	50	12	10	2,006.50
5362-IGB	**1,411.10**	81990	C	50	D2	50	12	10	2,822.20
5362-IGG	**1,411.10**	81909	B	50	D3	50	12	10	2,350.80
5362-IGI	**1,411.10**	81907	C	50	D3	50	12	10	2,822.20
5362-IGR	**1,411.10**	81910	C	50	D3	50	12	10	2,822.20
5362-IGW	**1,411.10**	81908	C	50	D3	50	12	10	2,822.20
5362-R	**1,066.10**	81934	B	50	D4	50	13	10	1,776.10
5362-S	**1,066.10**	95252	A	50	D1	50	10	Bulk	1,515.90
5362-SG	**1,874.60**	86873	A	50	D4	50	12	10	2,665.60
5362-SGG	**1,874.60**	86875	A	50	D4	50	14	10	2,665.60
5362-SGI	**1,874.60**	86874	A	50	D4	50	12	10	2,665.60
5362-SGR	**1,874.60**	86876	A	50	D4	50	12	10	2,665.60
5362-SGW	**1,874.60**	86872	A	50	D4	50	13	10	2,665.60
5362-SI	**1,066.10**	95253	A	50	D1	50	10	Bulk	1,515.90
5362-SR	**1,066.10**	00671	C	50	----	50	10	Bulk	2,132.20
5362-SW	**1,066.10**	95983	A	50	----	50	10	Bulk	1,515.90
5362-W	**1,066.10**	81932	B	50	D4	50	12	10	1,776.10
5362A	**1,066.10**	82072	A	50	D4	50	12	10	1,515.90
5362A-GY	**1,066.10**	82075	A	50	D4	50	12	10	1,515.90
5362A-I	**1,066.10**	82073	A	50	D4	50	13	10	1,515.90
5362A-W	**1,066.10**	82074	A	50	D4	50	13	10	1,515.90
5366-C	**829.20**	79587	A	56	H5	50	8	10	1,179.10
5366-CA	**1,014.60**	79593	B	56	H5	50	8	10	1,690.30
5366-CY	**875.50**	79588	A	56	H5	50	8	10	1,244.90
5366-PLB	**1,030.00**	98362	A	56	----	50	10	10	1,464.60
5366-PLC	**1,030.00**	98585	A	56	----	50	10	10	1,464.60
5369-C	**1,425.50**	79594	A	56	H5	50	10	10	2,027.00
5369-CA	**1,632.20**	80761	A	56	H5	50	9	10	2,320.90
5369-CY	**1,483.80**	79595	A	56	H5	50	10	10	2,109.90
5369-PLB	**1,606.80**	98363	A	56	----	50	10	10	2,284.80
5369-PLC	**1,606.80**	98587	A	56	----	50	10	10	2,284.80
5371	**825.80**	82348	C	40	D12	10	3	1	1,651.60
5371-IG	**1,763.00**	82349	C	40	D12	10	3	1	3,526.00
5372	**805.10**	82350	B	40	D13	10	3	1	1,341.30
5372-IG	**1,763.00**	82351	B	40	D13	10	3	1	2,937.10
5373	**805.10**	82352	C	40	D13	10	3	1	1,610.20
5373-IG	**1,916.80**	82353	C	40	D13	10	3	1	3,833.60
5374	**805.10**	82354	B	40	D13	10	3	1	1,341.30
5376	**1,137.80**	23520	C	40	D12	10	8	1	2,275.60
5378	**1,137.80**	10023	A	40	D13	10	8	1	1,617.90
5380	**2,466.90**	78305	A	97	R3	10	4	1	3,507.90
5380-B	**2,466.90**	82034	A	97	R3	10	4	1	3,507.90
5380-GY	**2,466.90**	78309	A	97	R3	10	4	1	3,507.90
5380-I	**2,466.90**	78307	A	97	R3	10	4	1	3,507.90
5380-IGB	**2,691.40**	81845	A	97	R3	10	6	1	3,827.10
5380-IGG	**2,691.40**	80582	A	97	R3	10	4	1	3,827.10
5380-IGI	**2,691.40**	80581	A	97	R3	10	4	1	3,827.10
5380-IGO	**2,691.40**	81844	A	97	R3	10	4	1	3,827.10
5380-IGW	**2,691.40**	80583	A	97	R3	10	4	1	3,827.10
5380-W	**2,466.90**	78311	A	97	R3	10	4	1	3,507.90
5400	**60.90 EA**	82294	A	97	R8	4	20	1	86.60 **EA**
5400-TLS	**71.50 EA**	82295	A	97	R8	4	22	1	101.60 **EA**
5410	**265.70**	23720	C	10	----	100	7	10	531.40
5410-I	**265.70**	23730	C	10	----	100	9	10	531.40
5456-VA	**808.60**	05512	B	58	----	50	8	10	1,347.10
5456-VY	**685.00**	05511	A	58	----	50	8	10	974.00
5458-SS	**543.50**	80764	C	40	----	50	7	10	1,087.00
5459-VY	**1,024.90**	05513	A	58	----	50	9	10	1,457.40
5461	**1,050.60**	49890	A	50	D5	50	9	10	1,493.90
5461-A	**1,050.60**	98739	A	50	----	50	9	10	1,493.90
5461-GY	**1,050.60**	02698	A	50	----	50	9	10	1,493.90
5461-I	**1,050.60**	49892	A	50	D5	50	9	10	1,493.90
5462	**1,354.50**	81936	A	50	D5	50	12	10	1,926.10
5462-A	**1,354.50**	98743	A	50	----	50	12	10	1,926.10
5462-GY	**1,354.50**	02651	A	50	----	50	12	10	1,926.10
5462-I	**1,354.50**	81937	A	50	D5	50	12	10	1,926.10

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
5462-IG	**1,318.40**	05257	C	50	----	50	12	10	2,636.80
5466-C	**952.80**	79600	A	56	H6	50	8	10	1,354.80
5466-CA	**952.80**	97928	A	56	----	50	8	10	1,354.80
5466-CY	**1,025.20**	79601	A	56	H6	50	8	10	1,457.80
5469-C	**1,552.70**	79604	A	56	H6	50	10	10	2,207.90
5469-CY	**1,638.80**	79605	A	56	H6	50	10	10	2,330.30
5478-C	**1,107.30**	79607	B	56	H6	30	5	10	1,844.70
* **5478-CWP**	**3,095.20**	04612	C	56	----	10	4	1	6,190.40
5479-C	**1,292.70**	79608	B	56	H6	30	6	10	2,153.60
* **5479-CWP**	**3,095.20**	04613	C	56	----	10	4	1	6,190.40
* **5480-BU**	**28.60 EA**	84353	B	97	D6	10	6	1	47.60 EA
* **5480-GY**	**28.60 EA**	84354	B	97	D6	10	6	1	47.60 EA
* **5480-I**	**28.60 EA**	84350	B	97	D6	10	6	1	47.60 EA
* **5480-IG**	**28.60 EA**	85136	B	97	D6	10	6	1	47.60 EA
* **5480-IGB**	**28.60 EA**	85138	B	97	D6	10	6	1	47.60 EA
* **5480-IGI**	**28.60 EA**	85137	B	97	D6	10	6	1	47.60 EA
* **5480-W**	**28.60 EA**	84352	B	97	D6	10	6	1	47.60 EA
5490-BU	**31.00 EA**	84359	B	97	D6	10	6	1	51.60 EA
5490-GY	**31.00 EA**	84360	B	97	D6	10	6	1	51.60 EA
5490-I	**31.00 EA**	84356	B	97	D6	10	6	1	51.60 EA
5490-IG	**31.00 EA**	85139	B	97	D6	10	6	1	51.60 EA
5490-IGB	**31.00 EA**	85141	B	97	D6	10	6	1	51.60 EA
5490-IGI	**31.00 EA**	85140	B	97	D6	10	6	1	51.60 EA
5490-W	**31.00 EA**	84358	B	97	D6	10	6	1	51.60 EA
5500-NL	**78.20 EA**	05310	B	97	----	1	7	----	130.20 EA
* **5500-15N**	**78.20 EA**	98172	B	97	----	1	7	----	130.20 EA
* **5500-190**	**78.20 EA**	86815	B	97	----	1	7	----	130.20 EA
* **5500-192**	**82.80 EA**	86896	B	97	----	1	8	----	137.90 EA
* **5500-2NL**	**82.80 EA**	05311	B	97	----	1	7	----	137.90 EA
* **5500-20L**	**90.00 EA**	02920	B	97	----	1	8	----	149.90 EA
5500-20N	**82.80 EA**	02000	B	97	----	1	7	----	137.90 EA
5501-LHI	**556.20**	78153	B	40	C4	30	6	10	926.60
5501-LHW	**556.20**	81260	B	40	----	50	10	10	926.60
5501-8	**381.10**	23921	C	40	C4	100	19	10	762.20
5501-8I	**381.10**	23922	C	40	C4	100	19	10	762.20
5502-8	**580.30**	23942	C	40	C4	20	4	10	1,160.60
5503-LHI	**885.80**	78171	B	40	C4	30	6	10	1,475.70
5503-LHW	**885.80**	82115	B	40	C4	30	6	10	1,475.70
5520-190	**144.20 EA**	00236	B	97	----	1	7	Bulk	240.20 EA
5585	**824.00**	24440	C	40	D5	50	13	10	1,648.00
5601	**354.20**	51300	A	60	A2	100	20	10	503.60
5601-I	**354.20**	51304	A	60	A2	100	15	10	503.60
5601-W	**354.20**	51308	A	60	A2	100	15	10	503.60
5601-WSP	**354.20**	10405	A	60	A2	100	18	10	503.60
5601-2	**354.20**	51700	A	60	A2	100	21	10	503.60
5601-2A	**354.20**	05256	A	60	----	100	19	10	503.60
5601-2AS	**357.10**	05936	C	60	----	100	18	10	714.20
5601-2E	**354.20**	05258	B	60	----	100	18	10	590.10
5601-2GY	**354.20**	24461	A	60	A2	100	19	10	503.60
5601-2I	**354.20**	51704	A	60	A2	100	15	10	503.60
5601-2IS	**357.10**	10415	C	60	----	100	18	10	714.20
5601-2W	**354.20**	51708	A	60	A2	100	15	10	503.60
5601-2WS	**357.10**	10416	C	60	----	100	18	10	714.20
5602-2	**973.10**	88259	C	60	----	20	5	10	1,946.20
5602-2A	**973.10**	88262	C	60	A2	20	6	10	1,946.20
5602-2E	**973.10**	88260	C	60	A2	20	6	10	1,946.20
5602-2I	**973.10**	88222	C	60	----	20	5	10	1,946.20
5602-2W	**973.10**	88258	C	60	A2	20	5	10	1,946.20
5603	**498.30**	51320	A	60	A2	100	21	10	708.50
5603-I	**498.30**	51324	A	60	A2	100	15	10	708.50
5603-W	**498.30**	51328	A	60	A2	100	15	10	708.50
5603-2	**498.30**	51720	A	60	A2	100	19	10	708.50
5603-2A	**498.30**	05259	B	60	----	100	19	10	830.10
5603-2AS	**483.80**	79157	A	60	----	100	18	10	687.90
5603-2E	**498.30**	05260	B	60	----	100	18	10	830.10
5603-2GY	**498.30**	24462	A	60	A2	50	11	10	708.50
5603-2I	**498.30**	51724	A	60	A2	100	16	10	708.50
5603-2W	**498.30**	51728	A	60	A2	100	16	10	708.50
5604-2	**1,373.00**	88271	A	60	A2	20	5	10	1,952.40
5604-2A	**1,373.00**	88280	A	60	A2	20	5	10	1,952.40
5604-2E	**1,373.00**	88277	C	60	A2	20	6	10	2,746.00
5604-2GY	**1,373.00**	88268	C	60	A2	20	6	10	2,746.00
5604-2I	**1,373.00**	88266	C	60	A2	20	5	10	2,746.00
5604-2W	**1,373.00**	88267	A	60	A2	20	5	10	1,952.40
5611-I	**658.40**	51404	A	60	A3	50	9	10	936.20
5611-W	**658.40**	51408	A	60	A3	50	9	10	936.20
5611-2A	**658.40**	05261	A	60	----	50	11	10	936.20
5611-2AS	**658.40**	79160	C	60	----	100	18	10	1,316.80
5611-2I	**658.40**	51804	A	60	A3	50	10	10	936.20
5611-2IS	**658.40**	20023	C	60	----	50	10	5	1,316.80
5611-2W	**658.40**	51808	A	60	A3	50	10	10	936.20
5611-2WS	**658.40**	20022	C	60	----	50	10	5	1,316.80
5613-I	**865.70**	51424	A	60	A3	20	4	10	1,231.00
5613-W	**865.70**	51428	A	60	A3	20	4	10	1,231.00
5613-2A	**865.70**	05262	A	60	----	20	6	10	1,231.00
5613-2I	**865.70**	51824	A	60	A3	20	4	10	1,231.00
5613-2W	**865.70**	51828	A	60	A3	20	4	10	1,231.00
5614-2A	**1,751.00**	93870	A	60	----	20	5	10	2,489.90
5614-2I	**1,751.00**	93868	A	60	----	20	5	10	2,489.90
5614-2W	**1,751.00**	93869	A	60	----	20	5	10	2,489.90
5618-2A	**937.80**	80562	C	60	A3	50	11	10	1,875.60
5618-2I	**937.80**	51831	C	60	A3	50	10	10	1,875.60
5618-2W	**937.80**	51833	C	60	A3	50	10	10	1,875.60
5621-2	**704.30**	51900	B	62	A1	100	22	10	1,173.30
5621-2A	**704.30**	79414	B	62	A1	100	22	10	1,173.30
5621-2E	**704.30**	05267	B	62	----	100	20	10	1,173.30
5621-2GY	**704.30**	51503	B	62	A1	100	24	10	1,173.30
5621-2I	**704.30**	05265	B	62	----	100	20	10	1,173.30
5621-2R	**704.30**	79402	C	62	A1	100	22	10	1,408.60
5621-2W	**704.30**	05266	B	62	----	100	20	10	1,173.30
5622-2	**1,347.60**	51511	C	62	----	20	5	10	2,695.20
5622-2A	**1,347.60**	79415	C	62	A1	20	5	10	2,695.20
5622-2E	**1,347.60**	78890	C	62	A1	20	5	10	2,695.20
5622-2GY	**1,347.60**	51515	C	62	A1	20	5	10	2,695.20
5622-2I	**1,347.60**	51517	C	62	A1	20	5	10	2,695.20
5622-2W	**1,347.60**	51519	C	62	A1	20	5	10	2,695.20
5623-2	**1,020.70**	51920	B	62	A1	50	12	10	1,700.40
5623-2A	**1,020.70**	79416	B	62	A1	50	13	10	1,700.40
5623-2E	**1,020.70**	51522	B	62	A1	50	12	10	1,700.40
5623-2GY	**1,020.70**	51523	B	62	A1	50	11	10	1,700.40
5623-2I	**1,020.70**	51924	B	62	A1	50	11	10	1,700.40
5623-2R	**1,020.70**	79412	C	62	A1	50	13	10	2,041.40
5623-2W	**1,020.70**	51928	B	62	A1	50	12	10	1,700.40
5624-2	**2,086.60**	51530	C	62	A1	20	6	10	4,173.20
5624-2A	**2,086.60**	79417	C	62	A1	20	5	10	4,173.20
5624-2GY	**2,086.60**	51533	C	62	A1	20	6	10	4,173.20
5624-2I	**2,086.60**	51934	C	62	A1	20	6	10	4,173.20
5624-2W	**2,086.60**	51938	C	62	A1	20	6	10	4,173.20
5625-E	**893.80**	04051	C	06	----	20	5	10	1,787.60
5625-GY	**893.80**	12271	C	06	A19	20	6	10	1,787.60
5625-I	**893.80**	51544	C	06	A19	20	6	10	1,787.60
5625-W	**893.80**	51548	C	06	A19	20	5	10	1,787.60
5626	**945.60**	90746	C	06	A19	20	6	10	1,891.20
5626-A	**945.60**	18428	C	06	----	20	6	10	1,891.20
5626-I	**945.60**	51554	C	06	A19	20	6	10	1,891.20
5626-W	**945.60**	51558	C	06	A19	20	6	10	1,891.20
5627-A	**1,579.30**	86926	C	06	----	20	6	10	3,158.60
5627-I	**1,579.30**	88420	C	06	----	20	6	10	3,158.60
5627-W	**1,579.30**	88421	C	06	----	20	6	10	3,158.60
5628-2A	**919.00**	80557	C	62	A1	100	24	10	1,838.00
5628-2I	**919.00**	51560	C	62	A1	100	22	10	1,838.00
5628-2W	**919.00**	51564	C	62	A1	100	22	10	1,838.00
5629-2I	**919.00**	51568	C	62	A1	100	27	10	1,838.00
5629-2W	**919.00**	51570	C	62	A1	100	27	10	1,838.00
5631-2A	**919.00**	79418	B	62	A1	100	22	10	1,531.00
5631-2E	**919.00**	03977	B	62	----	100	21	10	1,531.00
5631-2I	**919.00**	52000	B	62	A1	100	22	10	1,531.00
5631-2W	**919.00**	52008	B	62	A1	100	22	10	1,531.00
5633-2A	**1,247.40**	79419	B	62	A1	100	25	10	2,078.10
5633-2I	**1,247.40**	52024	B	62	A1	100	23	10	2,078.10

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
5633-2W	1,247.40	52028	B	62	A1	100	25	10	2,078.10
5634	833.90	02497	C	06	----	20	5	10	1,667.80
5634-A	833.90	06517	C	06	----	20	6	10	1,667.80
5634-E	833.90	02498	C	06	----	20	6	10	1,667.80
5634-GY	833.90	12272	C	06	----	20	6	10	1,667.80
5634-I	833.90	51634	C	06	----	20	6	10	1,667.80
5634-W	833.90	51638	C	06	----	20	5	10	1,667.80
5636-A	1,272.60	86929	C	06	----	20	6	10	2,545.20
5636-I	1,272.60	88467	C	06	----	20	6	10	2,545.20
5636-W	1,272.60	88468	C	06	----	20	6	10	2,545.20
5637-A	1,324.00	86932	C	06	----	20	6	10	2,648.00
5637-I	1,324.00	88469	C	06	----	20	6	10	2,648.00
5637-W	1,324.00	88470	C	06	----	20	6	10	2,648.00
* 5638-2A	1,247.40	80556	C	62	A1	100	25	10	2,494.80
* 5638-2I	1,247.40	78905	C	62	A1	100	25	10	2,494.80
* 5638-2W	1,247.40	78906	C	62	A1	100	25	10	2,494.80
* 5639-2W	1,247.40	78908	C	62	A1	100	23	10	2,494.80
5640-A	1,416.90	95841	C	06	----	20	6	10	2,833.80
5640-I	1,416.90	88471	C	06	----	20	6	10	2,833.80
5640-W	1,416.90	88472	C	06	----	20	6	10	2,833.80
5641-A	1,256.30	95832	C	06	A19	20	6	10	2,512.60
5641-E	1,256.30	02504	C	06	----	20	6	10	2,512.60
5641-I	1,256.30	51664	C	06	----	20	6	10	2,512.60
5641-W	1,256.30	51668	C	06	----	20	5	10	2,512.60
5643-A	1,433.80	95839	C	06	219	20	6	10	2,867.60
5643-I	1,433.80	51684	C	06	----	20	6	10	2,867.60
5643-W	1,433.80	51688	C	06	----	20	5	10	2,867.60
5645-A	1,261.80	86911	C	06	A19	20	6	10	2,523.60
5645-E	1,261.80	04050	C	06	----	20	6	10	2,523.60
5645-I	1,261.80	51694	C	06	----	20	6	10	2,523.60
5645-W	1,261.80	51698	C	06	----	20	6	10	2,523.60
5646-A	703.50	87917	C	06	----	20	6	10	1,407.00
5646-I	703.50	88278	C	06	----	20	6	10	1,407.00
5646-W	703.50	88279	C	06	----	20	6	10	1,407.00
5647-I	703.50	88391	C	06	----	20	6	10	1,407.00
5647-W	703.50	88392	C	06	----	20	6	10	1,407.00
5648-A	851.20	86923	C	06	----	20	6	10	1,702.40
5648-I	851.20	88410	C	06	----	20	6	10	1,702.40
5648-W	851.20	88411	C	06	----	20	6	10	1,702.40
5649-2W	919.00	78910	C	62	A1	100	25	10	1,838.00
5651	391.40	13039	A	50	D4	50	9	10	556.50
5651-I	375.60	49942	A	50	D4	50	9	10	534.10
* 5657-2	2,408.60	78903	B	62	A2	20	5	10	4,012.70
* 5657-2A	2,408.60	79420	B	62	A2	20	5	10	4,012.70
* 5657-2E	2,408.60	78904	B	62	A2	20	5	10	4,012.70
* 5657-2GY	2,408.60	78968	B	62	A2	20	5	10	4,012.70
* 5657-2I	2,408.60	78966	B	62	A2	20	5	10	4,012.70
* 5657-2W	2,408.60	78967	B	62	A2	20	5	10	4,012.70
* 5658-SS	395.50	80767	C	40	D8	50	5	10	791.00
* 5659-2W	1,247.40	78912	C	62	A1	100	25	10	2,494.80
5661	957.90	13041	A	50	D4	50	9	10	1,362.10
5661-I	957.90	77236	A	50	D4	50	9	10	1,362.10
5662	1,102.10	81938	A	50	D4	50	13	10	1,567.10
5662-I	1,102.10	81939	A	50	D4	50	13	10	1,567.10
5662-IG	1,601.70	05243	C	50	----	50	12	10	3,203.40
5666-C	752.80	79557	A	56	H5	50	8	10	1,070.40
5666-CA	891.00	79561	B	56	H5	50	8	10	1,484.40
5666-CY	787.60	79558	A	56	H5	50	9	10	1,119.90
5669-C	1,346.80	79562	A	56	H5	50	10	10	1,915.10
5669-CY	1,412.40	79563	A	56	H5	50	10	10	2,008.40
* 5685-2A	3,503.30	79421	B	62	A2	20	5	10	5,836.50
* 5685-2E	3,503.30	78902	B	62	A2	20	5	10	5,836.50
* 5685-2GY	3,503.30	78971	B	62	A2	20	5	10	5,836.50
* 5685-2I	3,503.30	78969	B	62	A2	20	5	10	5,836.50
* 5685-2W	3,503.30	78970	B	62	A2	20	5	10	5,836.50
* 5686-2A	4,379.20	80542	B	62	A2	20	5	10	7,295.70
* 5686-2I	4,379.20	78972	B	62	A2	20	5	10	7,295.70
* 5686-2W	4,379.20	78973	B	62	A2	20	5	10	7,295.70
5691-2	457.50	78897	B	62	A1	100	25	10	762.20
5691-2A	457.50	79617	B	62	A1	100	21	10	762.20
5691-2E	457.50	78898	B	62	A1	100	21	10	762.20
5691-2GY	457.50	78957	B	62	A1	100	21	10	762.20
5691-2I	457.50	78975	B	62	A1	100	21	10	762.20
5691-2W	457.50	78956	B	62	A1	100	21	10	762.20
* 5693-2	758.50	78893	B	62	A1	50	13	10	1,263.60
* 5693-2A	758.50	79622	B	62	A1	50	12	10	1,263.60
* 5693-2E	758.50	78894	B	62	A1	50	12	10	1,263.60
* 5693-2GY	758.50	78963	B	62	A1	50	12	10	1,263.60
* 5693-2I	758.50	78961	B	62	A1	50	12	10	1,263.60
* 5693-2W	758.50	78962	B	62	A1	50	12	10	1,263.60
* 5694-2A	1,768.60	79619	C	62	A1	20	5	10	3,537.20
* 5721	448.80	24540	C	10	L3	100	7	10	897.60
* 5724	449.70	24560	C	10	----	100	5	10	899.40
* 5731	445.10	24570	B	10	L3	100	5	10	741.50
* 5733	547.50	24580	C	10	L3	100	5	10	1,095.00
* 5734	550.50	24590	C	10	L3	100	5	10	1,101.00
* 5735	595.10	24600	C	10	L3	100	5	10	1,190.20
* 5741	737.90	24610	B	10	L3	100	7	10	1,229.30
* 5743	976.20	24620	C	10	L3	100	7	10	1,952.40
* 5744	1,028.20	24630	B	10	L3	100	7	10	1,712.90
5800-ISP	204.50	79024	C	40	D9	100	20	10	409.00
5800-SP	204.50	79023	C	40	D9	100	20	10	409.00
5800-WSP	204.50	79025	C	40	D9	100	20	10	409.00
5801	200.90	24900	B	40	D9	100	14	10	334.70
5801-A	200.90	03937	B	40	----	100	14	10	334.70
5801-I	200.90	24910	B	40	D9	100	14	10	334.70
5801-W	200.90	24920	B	40	D9	100	14	10	334.70
5821	310.00	24970	A	40	D9	100	14	10	440.80
5821-A	310.00	98611	A	40	----	100	14	10	440.80
5821-I	310.00	24980	A	40	D9	100	14	10	440.80
5821-ISP	310.00	79027	A	40	D9	50	8	10	440.80
5821-SP	310.00	79026	A	40	D9	50	8	10	440.80
5821-W	310.00	24987	A	40	D9	100	14	10	440.80
5821-WSP	310.00	79028	A	40	D9	50	8	10	440.80
5822	643.80	77359	B	40	D9	50	11	10	1,072.50
5822-I	643.80	77361	B	40	D9	50	10	10	1,072.50
5822-W	643.80	79043	B	40	D9	50	11	10	1,072.50
5823	622.10	25010	C	40	D7	50	9	10	1,244.20
5823-I	622.10	25020	C	40	D7	50	9	10	1,244.20
5824	643.80	81985	B	40	D7	100	20	10	1,072.50
5824-I	643.80	81986	B	40	D7	100	20	10	1,072.50
5825-I	257.50	02051	C	60	----	50	9	10	515.00
5825-W	257.50	98469	C	60	----	50	9	10	515.00
5829	506.60	25090	C	40	H12	50	6	10	1,013.20
5842	720.00	25100	C	40	D7	50	10	10	1,440.00
5842-I	720.00	25110	C	40	D7	50	10	10	1,440.00
5844	1,256.60	90173	C	40	D7	50	10	10	2,513.20
5844-I	1,256.60	90186	C	40	----	50	10	10	2,513.20
5891	520.20	25133	C	40	D7	100	18	10	1,040.40
5891-W	520.20	25137	C	40	D7	100	18	10	1,040.40
5950-PS	31.90 EA	03995	A	97	----	10	1	1	45.30 EA
5950-SCG	35.90 EA	05551	A	97	----	10	1	1	51.00 EA
5950-SSG	51.90 EA	05552	A	97	----	10	1	1	73.80 EA
5950-ST	35.90 EA	05540	A	97	----	10	1	1	51.00 EA
5976-CL	973.40	86860	A	05	----	10	5	1	1,384.10
5976-DGY	1,189.70	85585	A	05	G25	10	5	1	1,691.70
5976-GY	973.40	85584	A	05	G25	10	5	1	1,384.10
5977-CL	973.40	85586	A	05	G25	10	5	1	1,384.10
5977-DCL	1,189.70	85587	A	05	G25	10	5	1	1,691.70
5977-DGY	1,189.70	85597	A	05	G25	10	5	1	1,691.70
5977-GY	973.40	85596	A	05	G25	10	5	1	1,384.30
5978-CL	973.40	86861	A	05	----	10	5	1	1,384.10
5978-DGY	1,189.70	85589	B	05	G25	10	5	1	1,982.00
5978-GY	973.40	85588	B	05	G25	10	5	1	1,621.60
5996	973.40	86858	A	05	----	10	5	1	1,384.10
5996-DGY	1,189.70	85591	A	05	G25	10	5	1	1,691.70
5996-GY	973.40	85590	A	05	G25	10	6	1	1,384.10
5997-CL	973.40	85592	A	05	G25	10	5	1	1,384.10
5997-DCL	1,189.70	85593	A	05	G25	10	5	1	1,691.70
5997-DGY	1,189.70	85598	A	05	G25	10	5	1	1,691.70

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
5997-GY	**973.40**	85599	A	05	G25	10	5	1	1,384.10
6017	**515.00**	79541	A	56	H6	10	1	1	732.30
6017-L	**515.00**	79544	A	56	H6	10	1	1	732.30
6017-LY	**515.00**	79545	A	56	H6	10	2	1	732.30
6017-Y	**515.00**	79543	A	56	H6	10	1	1	732.30
6018	**571.70**	79542	A	56	H6	10	2	1	812.90
6018-L	**571.70**	79547	A	56	H6	10	2	1	812.90
6018-LY	**571.70**	79548	A	56	H6	10	2	1	812.90
6018-Y	**571.70**	79546	A	56	H6	10	2	1	812.90
6031	**638.60**	80122	B	56	I8	10	2	1	1,063.90
6031-Y	**638.60**	80124	B	56	I8	10	2	1	1,063.90
6032	**715.90**	80123	B	56	I8	10	4	1	1,192.60
6032-Y	**715.90**	80125	B	56	I8	10	4	1	1,192.60
6033	**793.10**	81109	B	56	I8	10	2	1	1,321.30
6033-Y	**793.10**	81110	B	56	I8	10	2	1	1,321.30
6034	**901.30**	81111	B	56	I8	10	4	1	1,501.50
6034-Y	**901.30**	81112	B	56	I8	10	4	1	1,501.50
6081-A	**3.60 EA**	81815	B	95	B8	50	2	10	6.00 **EA**
6081-GY	**3.60 EA**	81814	B	95	B8	50	5	10	6.00 **EA**
6081-I	**3.60 EA**	81812	B	95	B8	50	2	10	6.00 **EA**
6081-M	**3.60 EA**	81811	B	95	B8	50	2	10	6.00 **EA**
6081-W	**3.60 EA**	81813	B	95	B8	50	17	10	6.00 **EA**
6091-A	**3.60 EA**	81825	B	95	B8	50	2	10	6.00 **EA**
6091-GY	**3.60 EA**	81824	B	95	B8	50	3	10	6.00 **EA**
6091-I	**3.60 EA**	81822	B	95	B8	50	3	10	6.00 **EA**
6091-M	**3.60 EA**	81821	B	95	B8	50	2	10	6.00 **EA**
6091-W	**3.60 EA**	81823	B	95	B8	50	3	10	6.00 **EA**
6096	**392.00**	11987	C	10	----	250	20	10	784.00
6098-BR	**350.30**	25350	C	10	K4	250	28	10	700.60
6098-NI	**265.10**	25360	C	10	K4	250	21	10	530.20
6098-PG	**265.10**	25370	C	10	K4	100	9	10	530.20
6122-CM	**4,493.40**	80397	C	56	J4	5	10	1	8,986.80
6124H-A	**38.60 EA**	95115	X	21	----	5	2	1	48.20 **EA**
6124H-I	**38.60 EA**	95113	X	21	----	5	3	1	48.20 **EA**
6124H-W	**38.60 EA**	95114	X	21	----	5	3	1	48.20 **EA**
* **6151**	**857.80**	85615	X	20	N5	10	2	1	1,072.20
* **6152-CR**	**512.30 EA**	80396	C	56	J4	1	46	----	1,024.60 **EA**
* **6153-CR**	**500.70 EA**	80395	C	56	J4	1	36	----	1,001.40 **EA**
* **6154**	**189.40**	12333	X	20	N6	50	4	10	236.70
6182-PRT	**771.30**	25492	C	10	F3	5	2	1	1,542.60
6185	**3,031.90**	25493	C	10	F3	10	4	1	6,063.80
6196-FS	**1,408.50**	25503	C	05	G26	50	18	1	2,817.00
6196-VFS	**1,408.50**	25505	C	05	G26	50	18	1	2,817.00
6197	**157.60**	25515	C	10	F3	25	3	Bulk	315.20
6197-I	**157.60**	25516	C	10	F3	25	3	Bulk	315.20
6197-W	**157.60**	12772	C	10	F3	25	4	Bulk	315.20
6201	**139.30 EA**	78798	B	95	B10	1	1	----	232.00 **EA**
* **6204**	**1,108.40**	10261	X	20	----	50	7	10	1,385.50
* **6212H-A**	**25.00 EA**	84411	X	21	----	5	3	1	31.20 **EA**
* **6212H-I**	**25.00 EA**	84409	X	21	----	5	3	1	31.20 **EA**
* **6212H-W**	**25.00 EA**	84410	X	21	----	5	3	1	31.20 **EA**
* **6215M-A**	**20.90 EA**	84396	X	21	----	5	3	1	26.10 **EA**
* **6215M-I**	**20.90 EA**	84394	X	21	----	5	3	1	26.10 **EA**
* **6215M-W**	**20.90 EA**	84395	X	21	----	5	3	1	26.10 **EA**
* **6227-A**	**28.90 EA**	82297	A	95	----	5	2	1	41.10 **EA**
* **6227-I**	**28.90 EA**	16228	A	95	B9	5	2	1	41.10 **EA**
* **6227-W**	**28.90 EA**	16229	A	95	B9	5	2	1	41.10 **EA**
* **6230M-A**	**20.90 EA**	84399	X	21	----	5	3	1	26.10 **EA**
* **6230M-I**	**20.90 EA**	84397	X	21	----	5	3	1	26.10 **EA**
* **6230M-W**	**20.90 EA**	84398	X	21	----	5	3	1	26.10 **EA**
* **6250-3**	**785.40**	91113	X	20	N6	50	6	10	981.70
* **6250-3I**	**785.40**	25504	X	20	N6	50	6	10	981.70
* **6254**	**246.30**	64760	X	20	N6	250	6	Bulk	307.80
* **6260M-A**	**20.90 EA**	84413	X	21	----	5	2	1	26.10 **EA**
* **6260M-I**	**20.90 EA**	84400	X	21	----	5	3	1	26.10 **EA**
* **6260M-W**	**20.90 EA**	84401	X	21	----	5	3	1	26.10 **EA**
* **6280-A**	**36.70 EA**	82299	B	95	----	5	2	1	61.10 **EA**
* **6280-I**	**36.70 EA**	83206	B	95	B9	5	2	1	61.10 **EA**
* **6280-W**	**36.70 EA**	14353	B	95	D9	5	2	1	61.10 **EA**
* **6284**	**56.20 EA**	98460	B	95	----	10	8	1	93.60 **EA**
* **6285**	**38.90 EA**	85442	B	95	----	5	2	1	64.80 **EA**
* **6287**	**22.50 EA**	80574	C	95	B11	10	2	1	45.00 **EA**
6288	**22.50 EA**	14259	B	95	B11	5	2	1	37.40 **EA**
6289	**34.90 EA**	14260	B	95	B11	5	1	1	58.10 **EA**
* **6290**	**298.90 EA**	14261	B	95	B10	1	9	Bulk	497.90 **EA**
6291-WI	**49.00 EA**	80561	A	95	B7	5	2	1	69.60 **EA**
* **6293-WI**	**59.00 EA**	80560	B	95	B7	5	2	1	98.20 **EA**
* **6294**	**17.80 EA**	79123	B	95	B7	5	2	1	29.60 **EA**
* **6294-A**	**17.80 EA**	83417	B	95	B7	5	2	Bulk	29.60 **EA**
* **6294-I**	**17.80 EA**	79124	B	95	B7	5	2	1	29.60 **EA**
* **6294-W**	**17.80 EA**	79125	B	95	B7	5	2	1	29.60 **EA**
6296-I	**42.50 EA**	76795	B	95	B9	5	2	1	70.80 **EA**
6296-W	**42.50 EA**	76800	B	95	B9	5	2	1	70.80 **EA**
6298	**54.30 EA**	76825	B	95	----	5	2	1	90.40 **EA**
6298-W	**54.30 EA**	76830	B	95	----	5	2	1	90.40 **EA**
* **6299**	**35.40 EA**	76835	B	95	B10	5	2	1	58.90 **EA**
* **6304**	**1,167.40**	10296	X	20	----	50	7	10	1,459.20
* **6308**	**43.10 EA**	80093	A	95	B4	5	2	1	61.20 **EA**
* **6311-A**	**215.00 EA**	82561	A	95	B3	3	4	1	305.70 **EA**
* **6312-A**	**68.60 EA**	82298	A	95	B3	3	4	1	97.50 **EA**
* **6312-I**	**68.60 EA**	80091	A	95	B3	3	2	1	97.50 **EA**
* **6312-W**	**68.60 EA**	80092	A	95	B3	3	4	1	97.50 **EA**
* **6313**	**20.70 EA**	78799	A	95	B3	5	1	1	29.40 **EA**
* **6314-W**	**32.60 EA**	84901	A	95	B3	5	2	1	46.30 **EA**
6315	**105.20 EA**	14271	B	95	B5	5	2	1	175.20 **EA**
6316	**105.20 EA**	78547	B	95	B5	5	2	1	175.20 **EA**
* **6319-1A**	**49.70 EA**	14376	A	95	B6	5	2	1	70.60 **EA**
* **6319-4**	**49.70 EA**	76700	A	95	B6	5	2	1	70.60 **EA**
* **6319-4A**	**49.70 EA**	76710	A	95	B6	5	2	1	70.60 **EA**
6320	**31.90 EA**	79051	A	95	B5	3	2	1	45.30 **EA**
* **6325**	**118.10 EA**	83586	B	95	B5	4	5	1	196.70 **EA**
6327-1	**141.60 EA**	94059	A	95	----	20	20	1	201.30 **EA**
6327-2	**167.40 EA**	94058	A	95	----	20	20	1	238.00 **EA**
* **6330**	**23.70 EA**	83770	A	95	B5	10	4	1	33.70 **EA**
6332	**17.80 EA**	83769	A	95	B5	10	1	1	25.30 **EA**
* **6337**	**26.60 EA**	78801	A	95	B8	5	2	1	37.80 **EA**
6343-WI	**77.30 EA**	97952	A	95	----	10	10	1	109.90 **EA**
* **6360-CR**	**5,859.50**	80458	C	56	J4	5	4	1	11,719.00
* **6361-CR**	**5,153.50**	80457	C	56	J4	5	4	1	10,307.00
* **6364-CR**	**5,928.30**	80464	C	56	J4	5	4	1	11,856.60
* **6365-CR**	**5,222.30**	80463	C	56	J4	5	4	1	10,444.60
* **6369-CR**	**6,826.80**	80462	C	56	J4	5	3	1	13,653.60
* **6370-CR**	**6,651.30**	80456	C	56	J4	5	3	1	13,302.60
6371-I	**88.60 EA**	14274	A	95	B8	5	2	1	125.90 **EA**
* **6372-CR**	**9,354.70**	80459	C	56	J4	10	14	1	18,709.40
* **6374-CR**	**9,504.40**	80379	C	56	J4	10	13	1	19,008.80
6375	**47.80 EA**	86724	B	95	B10	10	3	Bulk	79.60 **EA**
6376	**47.80 EA**	76916	B	95	B10	10	2	Bulk	79.60 **EA**
6381-WI	**35.40 EA**	80572	A	95	B7	5	2	1	50.90 **EA**
* **6383-WI**	**52.50 EA**	80573	B	95	----	5	2	1	87.40 **EA**
6385	**118.10 EA**	14277	A	95	B11	3	2	1	167.90 **EA**
6386	**118.10 EA**	14278	A	95	B11	3	2	1	167.90 **EA**
6404-2	**1,327.80**	11557	X	20	----	10	2	1	1,659.70
6417	**49.70 EA**	83378	A	95	B3	5	11	1	70.60 **EA**
* **6450-1A**	**14.10 EA**	81790	A	95	B4	10	1	1	20.00 **EA**
* **6450-1AL**	**14.10 EA**	81788	A	95	B4	10	1	1	20.00 **EA**
* **6450-1W**	**14.10 EA**	81789	A	95	B4	10	1	1	20.00 **EA**
* **6450-2W**	**14.10 EA**	81795	A	95	B4	10	1	1	20.00 **EA**
* **6450-4**	**14.10 EA**	81799	A	95	B4	10	1	1	20.00 **EA**
* **6450-4A**	**14.10 EA**	81808	A	95	B4	10	1	1	20.00 **EA**
* **6450-4D**	**14.10 EA**	81805	A	95	B4	10	1	1	20.00 **EA**
* **6450-4DW**	**14.10 EA**	81807	A	95	B4	10	1	1	20.00 **EA**
* **6450-4W**	**14.10 EA**	81804	A	95	B4	10	1	1	20.00 **EA**
6490-A	**10.00 EA**	03098	A	90	----	10	3	1	14.20 **EA**
6490-E	**10.00 EA**	79195	A	90	A8	50	15	Bulk	14.20 **EA**
6490-I	**10.00 EA**	79351	A	90	A8	10	3	1	14.20 **EA**
6490-W	**10.00 EA**	79352	A	90	A8	10	3	1	14.20 **EA**
* **6512H-A**	**18.10 EA**	95265	X	21	----	5	2	1	22.60 **EA**
* **6512H-I**	**18.10 EA**	95263	X	21	----	5	2	1	22.60 **EA**
* **6512H-W**	**18.10 EA**	95264	X	21	----	5	2	1	22.60 **EA**

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EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* 6515M-A	18.10 EA	84393	X	21	----	5	2	1	22.60 EA
* 6515M-I	18.10 EA	84391	X	21	----	5	2	1	22.60 EA
* 6515M-W	18.10 EA	84392	X	21	----	5	2	1	22.60 EA
* 6560M-A	18.10 EA	95262	X	21	----	5	2	1	22.60 EA
* 6560M-I	18.10 EA	95260	X	21	----	5	2	1	22.60 EA
* 6560M-W	18.10 EA	95261	X	21	----	5	2	1	22.60 EA
* 6593	21.60 EA	84899	A	90	F2	10	6	1	30.70 EA
* 6594	21.60 EA	86825	A	90	----	10	6	10	30.70 EA
6598	10.00 EA	25532	A	90	F1	10	4	1	14.20 EA
6598-HGG	18.00 EA	12439	C	90	F1	10	4	1	36.00 EA
6598-HGI	18.00 EA	12370	C	90	F1	10	4	1	36.00 EA
6598-HGR	18.00 EA	12408	C	90	F1	10	4	1	36.00 EA
6598-HGW	18.00 EA	28907	C	90	F1	10	4	1	36.00 EA
6598-HG0	18.00 EA	78827	C	90	F1	10	3	1	36.00 EA
6598-I	10.00 EA	25536	A	90	F1	10	4	1	14.20 EA
6598-W	10.00 EA	25538	A	90	F1	10	4	1	14.20 EA
6599	9.00 EA	86449	A	90	----	10	4	1	12.80 EA
6599-A	9.00 EA	86453	A	90	F1	10	4	1	12.80 EA
6599-AA	9.00 EA	96420	A	90	F1	10	4	1	12.80 EA
6599-AI	9.00 EA	96415	A	90	F1	20	7	1	12.80 EA
6599-AW	9.00 EA	96419	A	90	F1	20	7	1	12.80 EA
6599-B	9.00 EA	02790	A	90	----	10	3	1	12.80 EA
6599-BA	9.00 EA	02795	A	90	----	10	3	1	12.80 EA
6599-E	9.00 EA	12901	A	90	F1	10	4	1	12.80 EA
6599-GY	9.00 EA	86452	A	90	F1	10	4	1	12.80 EA
6599-I	9.00 EA	86450	A	90	F1	20	7	1	12.80 EA
6599-LI	9.00 EA	25554	A	90	F1	10	4	1	12.80 EA
6599-LW	9.00 EA	77176	A	90	F1	10	5	1	12.80 EA
6599-MA	9.20 EA	02780	A	90	----	10	4	1	13.00 EA
6599-MAA	9.20 EA	02778	A	90	----	10	4	1	13.00 EA
6599-MAI	9.20 EA	02776	A	90	----	20	7	1	13.00 EA
6599-MAW	9.20 EA	02777	A	90	----	20	7	1	13.00 EA
6599-MI	9.20 EA	02785	A	90	----	20	8	1	13.00 EA
6599-MW	9.20 EA	02779	A	90	----	20	8	1	13.00 EA
6599-W	9.00 EA	86451	A	90	F1	20	7	1	12.80 EA
6599-XI	9.00 EA	79371	A	90	F1	20	5	Bulk	12.80 EA
6599-XW	9.00 EA	80584	A	90	F1	20	5	Bulk	12.80 EA
6599-X0	9.00 EA	80585	A	90	F1	20	5	Bulk	12.80 EA
6600-1	4.00 EA	25530	X	20	N4	10	2	1	5.00 EA
6602-I	4.20 EA	84020	X	20	N4	10	2	1	5.20 EA
6602-W	4.20 EA	83659	X	20	N4	10	2	1	5.20 EA
6602-220	28.90 EA	77220	X	20	N4	50	11	Bulk	36.10 EA
6604	1,481.60	10339	X	20	----	50	8	10	1,852.00
6604-2	1,414.70	11559	X	20	----	50	8	10	1,768.30
6606	14.50 EA	25620	X	20	N3	10	4	1	18.10 EA
6606-AE	14.50 EA	77480	X	20	N3	10	4	1	18.10 EA
6606-AGY	14.50 EA	77478	X	20	N3	10	4	1	18.10 EA
6606-AI	14.50 EA	77472	X	20	N3	10	4	1	18.10 EA
6606-AW	14.50 EA	77474	X	20	N3	10	4	1	18.10 EA
6606-I	14.50 EA	25621	X	20	N3	10	4	1	18.10 EA
6606-W	14.50 EA	25622	X	20	N3	10	4	1	18.10 EA
6606-WG	14.50 EA	77476	X	20	N3	10	4	1	18.10 EA
6607	28.90 EA	25625	X	20	N3	1	1	----	36.10 EA
6607-AE	28.90 EA	77490	X	20	N3	1	1	----	36.10 EA
6607-AI	28.90 EA	77482	X	20	N3	1	1	----	36.10 EA
6607-AW	28.90 EA	77484	X	20	N3	1	1	----	36.10 EA
6607-I	28.90 EA	25626	X	20	N3	1	1	----	36.10 EA
6607-W	28.90 EA	25627	X	20	N3	1	1	----	36.10 EA
6607-WG	28.90 EA	77486	X	20	N3	1	1	----	36.10 EA
6611-P	29.40 EA	76923	X	20	N11	10	3	1	36.70 EA
6611-PA	29.40 EA	80914	X	20	N11	10	2	1	36.70 EA
6611-PE	29.40 EA	78842	X	20	N11	10	4	1	36.70 EA
6611-PGY	29.40 EA	76929	X	20	N11	10	2	1	36.70 EA
6611-PI	29.40 EA	76925	X	20	N11	10	3	1	36.70 EA
6611-PW	29.40 EA	76927	X	20	N11	10	3	1	36.70 EA
6613-P	37.40 EA	76931	X	20	N11	10	4	1	46.70 EA
6613-PA	37.40 EA	80915	X	20	N11	10	4	1	46.70 EA
6613-PGY	37.40 EA	76937	X	20	N11	10	4	1	46.70 EA
6613-PI	37.40 EA	76933	X	20	N11	10	4	1	46.70 EA
6613-PW	37.40 EA	76935	X	20	N11	10	4	1	46.70 EA
6614	44.60 EA	13735	X	20	N3	1	1	----	55.70 EA
* 6614-AGY	DISCONTINUED								
* 6614-AI	44.60 EA	78839	X	20	N3	1	1	----	55.70 EA
* 6614-AW	44.60 EA	78840	X	20	N3	1	1	----	55.70 EA
* 6614-I	44.60 EA	13809	X	20	N3	1	1	----	55.70 EA
* 6614-W	44.60 EA	13869	X	20	N3	1	1	----	55.70 EA
6616-1XI	10.10 EA	25643	X	20	N15	10	3	1	12.60 EA
6616-1XW	10.10 EA	25645	X	20	N15	10	3	1	12.60 EA
6617-XI	14.50 EA	25637	X	20	N15	10	3	1	18.10 EA
6617-XW	14.50 EA	11994	X	20	N15	10	4	1	18.10 EA
6619-DA	13.40 EA	83706	X	20	N15	10	3	1	16.70 EA
6619-DI	13.40 EA	79330	X	20	N15	10	3	1	16.70 EA
6619-DW	13.40 EA	79331	X	20	N15	10	3	1	16.70 EA
6620-DA	21.20 EA	83705	X	20	N15	10	3	1	26.50 EA
6620-DI	21.20 EA	79332	X	20	N15	10	3	1	26.50 EA
6620-DW	21.20 EA	79333	X	20	N15	10	3	1	26.50 EA
6621	10.50 EA	25642	X	20	N3	10	3	1	13.10 EA
6621-A	10.50 EA	01798	X	20	----	5	2	1	13.10 EA
6621-GY	10.50 EA	01808	X	20	----	5	2	1	13.10 EA
6621-I	10.50 EA	01755	X	20	----	5	2	1	13.10 EA
6621-P	14.20 EA	13256	X	20	N3	10	4	1	17.70 EA
6621-PA	14.20 EA	01759	X	20	----	5	2	1	17.70 EA
6621-PE	14.20 EA	01761	X	20	----	5	2	1	17.70 EA
6621-PGY	14.20 EA	01760	X	20	----	5	2	1	17.70 EA
6621-PI	14.20 EA	01757	X	20	N3	5	2	1	17.70 EA
6621-PMI	142.10 EA	05609	X	20	----	5	5	1	177.60 EA
6621-PMW	142.10 EA	05610	X	20	----	5	5	1	177.60 EA
6621-PW	14.20 EA	01758	X	20	----	5	2	1	17.70 EA
6621-W	10.50 EA	01756	X	20	----	5	2	1	13.10 EA
6623-P	19.20 EA	12919	X	20	N3	10	4	1	24.00 EA
6623-PA	19.20 EA	01764	X	20	----	5	2	1	24.00 EA
6623-PE	19.20 EA	25031	X	20	N3	10	4	1	24.00 EA
6623-PGY	19.20 EA	01765	X	20	----	5	2	1	24.00 EA
6623-PI	19.20 EA	01762	X	20	----	5	2	1	24.00 EA
6623-PW	19.20 EA	01763	X	20	----	5	2	1	24.00 EA
6627-P	29.60 EA	76939	X	20	N14	10	3	1	37.00 EA
6627-PA	29.60 EA	80916	X	20	N14	10	3	1	37.00 EA
6627-PGY	29.60 EA	76945	X	20	N14	10	3	1	37.00 EA
6627-PI	29.60 EA	76941	X	20	N14	10	3	1	37.00 EA
6627-PW	29.60 EA	76943	X	20	N14	10	3	1	37.00 EA
6627-1	18.30 EA	12920	X	20	N14	10	3	1	22.80 EA
6627-1I	18.30 EA	25647	X	20	N14	10	3	1	22.80 EA
6627-1W	18.30 EA	25649	X	20	N14	10	3	1	22.80 EA
6628-A	23.50 EA	88114	X	20	----	10	4	1	29.30 EA
6628-GY	23.50 EA	94387	X	20	----	10	4	1	29.30 EA
6628-I	23.50 EA	88112	X	20	----	10	4	1	29.30 EA
6628-W	23.50 EA	88113	X	20	----	10	4	1	29.30 EA
6629-I	14.80 EA	01777	X	20	----	5	2	1	18.50 EA
6629-PA	14.80 EA	83965	X	20	N15	10	4	1	18.50 EA
6629-PGY	14.80 EA	83964	X	20	N15	10	4	1	18.50 EA
6629-PI	14.80 EA	83962	X	20	N15	10	4	1	18.50 EA
6629-PW	14.80 EA	83963	X	20	N15	10	4	1	18.50 EA
6629-W	14.80 EA	01778	X	20	----	5	2	1	18.50 EA
6629-3A	20.20 EA	83968	X	20	N15	10	4	1	25.20 EA
6629-3I	20.20 EA	83961	X	20	N15	10	4	1	25.20 EA
6629-3W	20.20 EA	83966	X	20	N15	10	4	1	25.20 EA
6630-A	24.30 EA	83972	X	20	N15	10	5	1	30.30 EA
6630-GY	24.30 EA	83971	X	20	N15	10	5	1	30.30 EA
6630-I	24.30 EA	83969	X	20	N15	10	5	1	30.30 EA
6630-W	24.30 EA	83970	X	20	N15	10	5	1	30.30 EA
6631-A	11.70 EA	01788	X	20	----	5	1	1	14.60 EA
6631-I	11.70 EA	01786	X	20	----	5	2	1	14.60 EA
6631-PA	15.50 EA	01799	X	20	----	5	2	1	19.30 EA
6631-PI	15.50 EA	01789	X	20	----	5	2	1	19.30 EA
6631-PW	15.50 EA	01790	X	20	----	5	2	1	19.30 EA
6631-W	11.70 EA	01787	X	20	----	5	2	1	14.60 EA
6633-PA	20.40 EA	01800	X	20	----	5	2	1	25.50 EA
6633-PI	20.40 EA	01791	X	20	----	5	2	1	25.50 EA
6633-PW	20.40 EA	01792	X	20	----	5	2	1	25.50 EA
6637-PA	32.80 EA	80917	X	20	N14	10	4	1	41.00 EA

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
6637-PI	**32.80 EA**	76949	X	20	N14	10	5	1	41.00 **EA**
6637-PW	**32.80 EA**	76951	X	20	N14	10	4	1	41.00 **EA**
6639-I	**10.10 EA**	82346	X	20	A15	10	3	1	12.60 **EA**
6639-W	**10.10 EA**	82347	X	20	A15	10	3	1	12.60 **EA**
6641	**5.70 EA**	79138	X	20	N4	10	2	1	7.10 **EA**
6641-I	**5.70 EA**	79139	X	20	N4	10	2	1	7.10 **EA**
6641-W	**5.70 EA**	79140	X	20	N4	10	2	1	7.10 **EA**
6643-I	**6.70 EA**	79144	X	20	N4	10	2	1	8.30 **EA**
6643-W	**6.70 EA**	79145	X	20	N4	10	2	1	8.30 **EA**
6651-A	**2,832.50**	84927	X	21	----	5	2	1	3,540.60
6651-I	**2,832.50**	83202	X	21	----	5	1	1	3,540.60
6651-W	**2,832.50**	84931	X	21	----	5	2	1	3,540.60
6652-1A	**29.90 EA**	84930	X	21	----	5	2	1	37.30 **EA**
6652-1I	**29.90 EA**	84928	X	21	----	5	2	1	37.30 **EA**
6652-1W	**29.90 EA**	84929	X	21	----	5	2	1	37.30 **EA**
* **6661-P1**	**43.90 EA**	79031	X	20	N11	10	4	1	54.80 **EA**
* **6661-P1G**	**43.90 EA**	79034	X	20	N11	10	4	1	54.80 **EA**
* **6661-P1I**	**43.90 EA**	79032	X	20	N11	10	4	1	54.80 **EA**
* **6661-P1W**	**43.90 EA**	79033	X	20	N11	10	4	1	54.80 **EA**
6661-P7I	**60.80 EA**	80819	X	20	N11	10	4	1	76.00 **EA**
6661-P7W	**60.80 EA**	80820	X	20	N11	10	4	1	76.00 **EA**
* **6663-P1I**	**52.60 EA**	79036	X	20	N11	10	4	1	65.70 **EA**
* **6663-P1W**	**52.60 EA**	79037	X	20	N11	10	4	1	65.70 **EA**
6663-P7I	**80.80 EA**	80814	X	20	N11	10	4	1	101.00 **EA**
6663-P7W	**80.80 EA**	80815	X	20	N11	10	4	1	101.00 **EA**
6667-31I	**41.20 EA**	03101	X	20	----	10	3	1	51.50 **EA**
6667-31W	**41.20 EA**	97856	X	20	----	10	3	1	51.50 **EA**
6667-37I	**41.20 EA**	03102	X	20	----	10	3	1	51.50 **EA**
6668-1I	**34.70 EA**	97888	X	20	----	10	3	1	43.30 **EA**
6668-1W	**34.70 EA**	97889	X	20	----	10	4	1	43.30 **EA**
* **6675**	**34.00 EA**	25595	X	20	N13	2	1	1	42.50 **EA**
* **6676-1W**	**44.60 EA**	25571	X	20	N12	2	2	1	55.70 **EA**
6676-7W	**72.40 EA**	12788	X	20	N12	2	2	1	90.50 **EA**
6677-1W	**55.70 EA**	12774	X	20	N12	2	2	1	69.60 **EA**
6677-7W	**91.40 EA**	12789	X	20	N12	2	2	1	114.20 **EA**
6678-1W	**104.80 EA**	25580	X	20	N12	2	2	1	131.00 **EA**
6678-7W	**174.90 EA**	12790	X	20	N12	2	2	1	218.60 **EA**
6679-1W	**148.20 EA**	76260	X	20	N12	2	2	1	185.20 **EA**
6679-7W	**205.00 EA**	12791	X	20	N12	2	2	1	256.20 **EA**
6681	**4.40 EA**	25600	X	20	N4	10	2	1	5.50 **EA**
6681-W	**4.40 EA**	77327	X	20	N4	10	2	1	5.50 **EA**
6681-2	**4.40 EA**	25615	X	20	N4	10	2	1	5.50 **EA**
6683	**6.80 EA**	25640	X	20	N4	10	2	1	8.50 **EA**
6683-W	**6.80 EA**	77329	X	20	N4	10	2	1	8.50 **EA**
6683-2	**6.80 EA**	25652	X	20	N4	10	2	1	8.50 **EA**
6684	**9.00 EA**	78713	X	20	----	5	2	1	11.20 **EA**
6691	**6.70 EA**	79148	X	20	N4	10	2	1	8.30 **EA**
6693	**7.20 EA**	79149	X	20	N4	10	2	1	9.00 **EA**
* **6695-I**	**20.10 EA**	84743	X	21	----	5	4	1	25.10 **EA**
* **6695-W**	**20.10 EA**	84744	X	21	----	5	4	1	25.10 **EA**
* **6696-I**	**21.90 EA**	82300	X	21	----	5	4	1	27.30 **EA**
* **6696-W**	**21.90 EA**	82311	X	21	----	5	4	1	27.30 **EA**
* **6697-I**	**21.90 EA**	82312	X	21	----	5	4	1	27.30 **EA**
* **6697-W**	**21.90 EA**	82304	X	21	----	5	4	1	27.30 **EA**
* **6698-I**	**25.70 EA**	82313	X	21	----	5	4	1	32.10 **EA**
* **6698-W**	**25.70 EA**	82305	X	21	----	5	4	1	32.10 **EA**
* **6699-I**	**24.10 EA**	84745	X	21	----	5	4	1	30.10 **EA**
* **6699-W**	**24.10 EA**	84746	X	21	----	5	4	1	30.10 **EA**
6771-A	**56.20 EA**	95407	A	24	----	10	4	1	79.90 **EA**
6771-GY	**56.20 EA**	95406	A	24	----	10	4	1	79.90 **EA**
6771-I	**56.20 EA**	95404	A	24	----	10	4	1	79.90 **EA**
6771-W	**56.20 EA**	95405	A	24	----	10	1	1	79.90 **EA**
6772-A	**67.00 EA**	95411	A	24	----	10	3	1	95.20 **EA**
6772-GY	**67.00 EA**	95410	A	24	----	10	3	1	95.20 **EA**
6781-A	**5.90 EA**	81623	B	24	O1	10	1	1	9.80 **EA**
6781-GY	**5.90 EA**	81624	B	24	O1	10	1	1	9.80 **EA**
6781-I	**5.90 EA**	81621	B	24	O1	10	1	1	9.80 **EA**
6781-W	**5.90 EA**	81622	B	24	O1	10	1	1	9.80 **EA**
* **6783-120**	**33.30 EA**	81837	B	24	O2	10	2	1	55.40 **EA**
* **6783-277**	**33.30 EA**	81838	B	24	O2	10	10	1	55.40 **EA**
* **6787-W**	**63.10 EA**	83405	C	24	O2	10	5	1	126.20 **EA**
* **6791-I**	**17.50 EA**	82306	A	24	A14	5	2	1	24.80 **EA**
* **6791-W**	**17.50 EA**	82314	A	24	----	5	2	1	24.80 **EA**
6792	**24.10 EA**	85074	X	21	----	3	1	1	30.10 **EA**
* **6793-I**	**19.70 EA**	82309	B	24	A14	5	3	1	32.80 **EA**
6794-I	**25.10 EA**	85075	X	21	----	5	1	1	31.30 **EA**
6794-W	**25.10 EA**	85076	X	21	----	5	1	1	31.30 **EA**
6797	**27.60 EA**	83653	C	24	----	10	8	1	55.20 **EA**
6798	**33.60 EA**	83654	C	24	O3	10	8	1	67.20 **EA**
6800-A	**31.80 EA**	85055	A	24	----	5	3	1	45.20 **EA**
6800-1I	**31.80 EA**	85052	A	24	----	5	3	1	45.20 **EA**
6800-1W	**31.80 EA**	85053	A	24	----	5	3	1	45.20 **EA**
* **6878-1W**	**72.70 EA**	85080	A	24	O3	10	6	1	103.30 **EA**
* **6878-2W**	**84.90 EA**	85081	A	24	O3	10	6	1	120.70 **EA**
* **6895-80E**	**25.00 EA**	04974	B	90	----	10	4	Bulk	41.60 **EA**
* **6895-80I**	**25.00 EA**	01742	B	90	----	10	4	Bulk	41.60 **EA**
* **6895-80W**	**25.00 EA**	05001	B	90	----	10	4	Bulk	41.60 **EA**
6898	**11.00 EA**	28951	A	90	A8	10	4	1	15.60 **EA**
6898-HGG	**20.60 EA**	12441	B	90	A8	10	4	1	34.30 **EA**
6898-HGI	**20.60 EA**	28955	B	90	A8	10	4	1	34.30 **EA**
6898-HGR	**20.60 EA**	12410	B	90	A8	10	4	1	34.30 **EA**
6898-HGW	**20.60 EA**	28957	B	90	A8	10	4	1	34.30 **EA**
6898-HG0	**20.60 EA**	12336	B	90	A8	10	4	1	34.30 **EA**
6898-I	**11.00 EA**	28953	A	90	A8	10	4	1	15.60 **EA**
6898-W	**11.00 EA**	28959	A	90	A8	10	4	1	15.60 **EA**
6899	**10.00 EA**	28961	A	90	F1	10	4	1	14.20 **EA**
6899-A	**10.00 EA**	88178	A	90	F1	10	4	1	14.20 **EA**
6899-AA	**10.00 EA**	96432	A	90	----	10	4	1	14.20 **EA**
6899-AI	**10.00 EA**	96423	A	90	----	10	4	1	14.20 **EA**
6899-AW	**10.00 EA**	96429	A	90	----	10	4	1	14.20 **EA**
6899-E	**10.00 EA**	88163	A	90	F1	10	4	1	14.20 **EA**
6899-GY	**10.00 EA**	88174	A	90	F1	10	4	1	14.20 **EA**
6899-I	**10.00 EA**	88172	A	90	F1	10	3	1	14.20 **EA**
6899-W	**10.00 EA**	88173	A	90	F1	10	4	1	14.20 **EA**
* **7070-BR**	**441.80**	25730	C	10	K4	250	30	10	883.60
7070-M	**265.80**	01818	C	10	----	100	10	10	531.60
* **7070-PG**	**350.30**	25750	C	10	K4	250	23	10	700.60
7080	**234.10**	12878	C	10	----	250	20	1	468.20
7080-50	**187.20**	25795	C	10	K3	100	7	10	374.40
7090-BR	**392.00**	25820	C	10	K3	250	32	10	784.00
7090-M	**209.80**	25830	C	10	K4	100	5	25	419.60
7090-NI	**319.40**	25840	C	10	K3	250	22	10	638.80
7090-PG	**319.40**	25850	C	10	K3	250	23	10	638.80
7092-M	**471.20**	85479	C	10	K4	250	15	Bulk	942.40
7108	**91.70**	13151	C	10	----	1000	21	Bulk	183.40
7111	**91.70**	13153	C	10	----	1000	21	Bulk	183.40
7117	**91.70**	13155	C	10	----	1000	21	Bulk	183.40
7211	**91.70**	13162	C	10	----	1000	16	Bulk	183.40
* **7240**	DISCONTINUED								
7250-FR	**1,405.40**	80873	B	55	D12	30	9	10	2,341.40
7251-C	**2,206.30**	80874	B	55	D12	30	6	10	3,675.70
* **7277**	**612.20 EA**	82466	B	97	R9	5	10	1	1,019.90 **EA**
7277-M3S	**618.00 EA**	89256	B	97	R9	5	4	1	1,029.50 **EA**
7310-B	**1,542.70**	82161	A	56	I7	30	8	10	2,193.70
7310-BG	**1,542.70**	82160	A	56	I7	30	8	10	2,193.70
7311	DISCONTINUED SEE CAT 9965-C								
7313	**674.10**	25965	C	40	D12	10	3	1	1,348.20
7314-C	**1,805.90**	03087	A	56	----	10	4	1	2,567.90
7314-GC	**1,805.90**	82958	A	56	----	10	3	1	2,567.90
* **7346**	**612.20 EA**	82467	B	97	R9	5	23	1	1,019.90 **EA**
* **7379**	**4,867.70**	80441	C	56	I12	10	8	1	9,735.40
7408-C	**1,869.70**	82971	C	56	I8	10	4	1	3,739.40
7408-GC	**1,869.70**	82970	C	56	I8	10	3	1	3,739.40
7409-C	**2,342.90**	82967	C	56	I8	10	2	1	4,685.80
7409-GC	**2,342.90**	82966	C	56	I8	10	2	1	4,685.80
7410-B	**1,845.40**	82163	A	56	I8	30	8	10	2,624.10
7410-BG	**1,845.40**	82162	A	56	I8	30	8	10	2,624.10
7411-C	**1,595.00**	82969	A	56	----	10	4	1	2,268.00
7411-GC	**1,595.00**	82968	A	56	----	10	4	1	2,268.00
7413-C	**2,095.70**	82965	A	56	----	10	5	1	2,980.00

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
7413-GC	2,095.70	82964	A	56	----	10	3	1	2,980.00
* 7420-CR	2,370.60	99999	B	56	----	10	4	1	3,949.40
* 7480	DISCONTINUED								
7506-C	918.60	83572	C	56	I3	30	6	10	1,837.20
7524-C	1,104.40	83571	C	56	I3	30	15	10	2,208.80
7526-C	800.90	83573	C	56	I3	30	5	10	1,601.80
7585	828.40	83569	C	56	I3	30	7	10	1,656.80
7540	1,020.20	83568	A	56	I3	30	5	10	1,450.70
7545-C	789.40	83570	C	56	I3	30	5	10	1,578.80
7556	1,110.10	81828	B	56	I4	30	3	10	1,849.40
7556-G	1,110.10	81829	B	56	I4	30	4	10	1,849.40
7557	1,215.30	82012	A	56	I4	30	5	10	1,728.10
7565-C	1,475.60	82013	A	56	I4	50	10	10	2,098.30
7567-C	901.70	82014	A	56	I4	50	9	10	1,282.20
7582	1,279.50	82156	A	56	I4	30	6	10	1,819.40
7582-G	1,291.70	82155	A	56	I4	30	11	10	1,836.80
* 7600	DISCONTINUED								
7715-CR	1,803.80	80467	C	56	J4	10	4	1	3,607.60
7717-CR	1,285.70	80460	C	56	J4	10	4	1	2,571.40
* 7764-C	5,966.40	80443	B	56	I12	10	8	1	9,940.00
* 7765-C	4,603.70	80442	C	56	I12	10	9	1	9,207.40
7770	2,107.00	82258	B	56	I13	10	8	1	3,510.20
7788-CR	2,379.40	80466	B	56	J4	10	4	1	3,964.00
* 7810-GD	4,220.20	80888	A	55	C7	10	9	1	6,001.12
8002-BR	501.80	26020	C	10	----	250	36	10	1,003.60
8002-M	252.00	26030	C	10	----	100	6	10	504.00
8002-PG	352.70	91115	C	10	----	100	11	10	705.40
8004	258.90	26100	C	10	K3	100	8	10	517.80
8004-M	125.60	11581	C	10	K4	500	16	Bulk	251.20
8010	41.20	26120	C	10	K2	1000	4	Bulk	82.40
8052-F	174.20	26240	C	10	K8	100	14	10	348.40
8052-I	173.30	26245	C	10	K8	100	14	10	346.60
8052-S	170.80	26260	C	10	K8	100	13	10	341.60
* 8101	208.50	26320	C	10	K8	100	21	10	417.00
* 8110	349.20	26330	C	10	K7	100	32	10	698.40
* 8120-GN	DISCONTINUED								
* 8152-S	222.10	26350	C	10	----	200	28	Bulk	444.20
8200	1,158.80	81634	A	50	D1	50	12	10	1,647.80
8200-GY	1,158.80	81859	A	50	D1	50	12	10	1,647.80
8200-H	1,158.80	81884	B	50	D1	50	10	10	1,930.50
8200-HGY	1,158.80	81887	B	50	D1	50	10	10	1,930.50
8200-HI	1,158.80	81885	A	50	D1	50	10	10	1,647.80
8200-HLG	1,622.30	05899	B	50	----	0	1	1	2,702.70
8200-HLI	1,622.30	05723	B	50	----	50	12	10	2,702.70
8200-HLR	1,622.30	05724	B	50	----	50	12	10	2,702.70
8200-HLW	1,622.30	05722	B	50	----	50	12	10	2,702.70
8200-HR	1,158.80	81888	B	50	D1	50	10	10	1,930.50
8200-HW	1,158.80	81886	B	50	D1	50	10	10	1,930.50
8200-I	1,158.80	81857	A	50	D1	50	12	10	1,647.80
8200-IG	1,395.70	05733	A	50	----	50	12	10	1,984.60
8200-IGB	1,395.70	05728	B	50	----	50	12	10	2,325.20
8200-IGG	1,395.70	05731	C	50	----	50	12	10	2,791.40
8200-IGI	1,395.70	05729	B	50	----	50	12	10	2,325.20
8200-IGR	1,395.70	05732	B	50	----	50	12	10	2,325.20
8200-IGW	1,395.70	05730	C	50	----	50	12	10	2,791.40
8200-LIG	1,133.00	02985	A	50	----	50	12	10	1,611.10
8200-R	1,158.80	81860	B	50	D1	50	13	10	1,930.50
8200-SG	1,549.10	05739	B	50	----	50	13	10	2,580.80
8200-SGG	1,549.10	05716	B	50	----	50	13	10	2,580.80
8200-SGI	1,549.10	02994	B	50	----	50	13	10	2,580.80
8200-SGR	1,549.10	05717	B	50	----	50	13	10	2,580.80
8200-SGW	1,549.10	05715	B	50	----	50	13	10	2,580.80
8200-W	1,158.80	81858	A	50	D1	50	12	10	1,647.80
8210	968.20	13304	A	50	D1	50	9	10	1,376.70
8210-I	968.20	26361	A	50	D1	50	9	10	1,376.70
8210-IG	1,395.70	02991	B	50	----	50	9	10	2,325.20
8210-R	968.20	26364	B	50	D1	50	9	10	1,613.00
8210-W	968.20	78488	B	50	D1	50	9	10	1,613.00
* 8215-C	659.20	79526	A	56	H4	50	8	10	937.30
* 8215-CAT	901.30	79529	B	56	H4	50	9	10	1,501.50
* 8215-CT	901.30	79527	B	56	H4	50	8	10	1,501.50
* 8215-PLC	1,030.00	96035	A	56	H4	50	8	10	1,464.60
* 8219-C	1,192.30	79536	A	56	H4	50	10	10	1,695.40
* 8219-CT	1,466.00	79537	B	56	H4	50	10	10	2,442.30
* 8219-PLC	1,695.80	96036	A	56	H4	50	10	10	2,411.40
8256-V	468.70	05514	A	58	----	50	7	10	666.40
8259-V	839.50	05519	A	58	----	50	8	10	1,193.70
* 8280	25.90 EA	20211	A	97	R3	10	4	1	36.80 EA
8280-A	25.90 EA	00906	A	97	----	10	4	1	36.80 EA
* 8280-B	25.90 EA	81848	B	97	R3	10	4	1	43.10 EA
* 8280-I	25.90 EA	20072	A	97	R3	10	4	1	36.80 EA
* 8280-IGB	28.10 EA	81849	B	97	R3	10	4	1	46.80 EA
* 8280-IGG	28.10 EA	82240	B	97	----	10	4	1	46.80 EA
* 8280-IGI	28.10 EA	20058	A	97	R3	10	4	1	39.90 EA
* 8280-IGO	28.10 EA	20191	A	97	R3	10	4	1	39.90 EA
* 8280-IGW	28.10 EA	20146	A	97	R3	10	4	1	39.90 EA
* 8280-R	25.90 EA	20201	A	97	R3	10	4	1	36.80 EA
* 8280-W	25.90 EA	20216	A	97	R3	10	4	1	36.80 EA
* 8281-IGA	18.40 EA	88910	B	97	----	10	5	1	30.60 EA
* 8281-IGI	18.40 EA	20215	A	97	R3	10	5	1	26.10 EA
* 8281-IGW	18.40 EA	20151	A	97	R3	10	5	1	26.10 EA
* 8281-IGO	18.40 EA	20018	A	97	R3	10	5	1	26.10 EA
8300	1,277.20	81861	B	50	D2	50	13	10	2,127.80
8300-E	1,277.20	81866	A	50	D2	50	13	10	1,816.10
8300-GY	1,277.20	81864	A	50	D2	50	13	10	1,816.10
8300-H	1,277.20	81889	B	50	D2	50	10	10	2,127.80
8300-HGY	1,277.20	81892	A	50	D2	50	10	10	1,816.10
8300-HI	1,277.20	81890	A	50	D2	50	10	10	1,816.10
8300-HLI	1,751.00	05726	B	50	----	50	13	10	2,917.10
8300-HLR	1,751.00	05727	B	50	----	50	13	10	2,917.10
8300-HLW	1,751.00	05725	B	50	----	50	13	10	2,917.10
8300-HR	1,277.20	81893	B	50	D2	50	10	10	2,127.80
8300-HW	1,277.20	81891	B	50	D2	50	10	10	2,127.80
8300-I	1,277.20	81862	A	50	D2	50	12	10	1,816.10
8300-IGB	1,580.00	05734	C	50	----	50	12	10	3,160.00
8300-IGG	1,580.00	03644	B	50	----	50	12	10	2,632.20
8300-IGI	1,580.00	05735	C	50	----	50	12	10	3,160.00
8300-IGR	1,580.00	05737	C	50	----	50	12	10	3,160.00
8300-IGW	1,580.00	05736	B	50	----	50	12	10	2,632.20
8300-LIG	1,411.10	02990	B	50	----	50	12	10	2,350.80
8300-OIG	1,580.00	05738	A	50	----	50	12	10	2,246.70
8300-R	1,277.20	81865	A	50	D2	50	13	10	1,816.10
8300-SG	1,874.60	05740	B	50	----	50	13	10	3,123.00
8300-SGG	1,874.60	05720	B	50	----	50	13	10	3,123.00
8300-SGI	1,874.60	05718	B	50	----	50	12	10	3,123.00
8300-SGR	1,874.60	05721	B	50	----	50	13	10	3,123.00
8300-SGW	1,874.60	05719	B	50	----	50	13	10	3,123.00
8300-W	1,277.20	81863	A	50	D2	50	13	10	1,816.10
8310	1,086.70	13306	A	50	D2	50	9	10	1,545.20
8310-GY	1,086.70	13314	A	50	D2	50	9	10	1,545.20
8310-I	1,086.70	26461	A	50	D2	50	9	10	1,545.20
8310-OIG	1,395.70	02992	B	50	----	50	9	10	2,325.20
8310-R	1,086.70	13324	A	50	D2	50	9	10	1,545.20
8310-W	1,086.70	13319	A	50	D2	50	9	10	1,545.20
* 8315-C	875.50	79591	A	56	H5	50	8	10	1,244.90
* 8315-CAT	1,169.10	79911	B	56	H5	50	9	10	1,947.70
* 8315-CT	1,088.80	79592	B	56	H5	50	9	10	1,813.90
* 8315-PLC	1,261.80	97872	A	56	----	50	8	10	1,794.20
* 8319-C	1,426.60	79597	A	56	H5	50	10	10	2,028.60
* 8319-CT	1,758.00	79912	B	56	H5	50	10	10	2,928.80
* 8319-PLC	2,018.80	97873	A	56	----	50	8	10	2,870.70
* 8320-GN	DISCONTINUED								
8330	2,173.20	84327	B	56	D13	10	4	1	3,620.50
8332-P	3,121.60	81010	B	56	D13	10	8	1	5,200.50
8350	3,248.80	84328	B	56	D14	10	4	1	5,412.50
8352-P	3,388.10	81008	B	56	D14	10	8	1	5,644.50
* 8356-V	669.50	86372	B	58	----	50	7	10	1,115.30
8359-V	1,019.70	05528	B	58	----	50	8	10	1,698.80
8360	4,432.20	84329	B	56	D14	10	4	1	7,384.00
8362-P	4,247.20	81009	B	56	D14	10	8	1	7,075.80

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
8380	**28.10 EA**	20217	A	97	R3	10	4	1	39.90 EA
8380-B	**28.10 EA**	81846	A	97	R3	10	4	1	39.90 EA
8380-GY	**28.10 EA**	81299	A	97	R3	10	4	1	39.90 EA
8380-I	**28.10 EA**	20067	A	97	R3	10	4	1	39.90 EA
* **8380-IGB**	**31.20 EA**	81847	A	97	R3	10	4	1	44.30 EA
* **8380-IGG**	**31.20 EA**	82242	A	97	----	10	4	1	44.30 EA
8380-IGI	**31.20 EA**	20107	A	97	R3	10	4	1	44.30 EA
8380-IGO	**31.20 EA**	20144	A	97	R3	10	4	1	44.30 EA
8380-IGR	**31.20 EA**	82276	A	97	----	10	4	1	44.30 EA
* **8380-IGW**	**31.20 EA**	20218	A	97	R3	10	4	1	44.30 EA
* **8380-R**	**28.10 EA**	20173	A	97	R3	10	4	1	39.90 EA
8380-W	**28.10 EA**	00915	A	97	----	10	4	1	39.90 EA
8381	**17.40 EA**	20212	A	97	R3	10	4	1	24.70 EA
8381-GY	**17.40 EA**	81300	A	97	R3	10	5	1	24.70 EA
8381-I	**17.40 EA**	20132	A	97	R3	10	4	1	24.70 EA
8381-IGB	**19.90 EA**	81852	B	97	R3	10	4	1	33.10 EA
8381-IGI	DISCONTINUED								
8381-IGO	**19.90 EA**	78295	A	97	R3	10	4	1	28.30 EA
8381-IGW	**19.90 EA**	20214	A	97	R3	10	4	1	28.30 EA
8400	**1,472.90**	81867	B	56	D2	50	12	10	2,453.80
8400-I	**1,472.90**	81868	B	56	D2	50	12	10	2,453.80
* **8415-CAT**	**1,236.00**	95483	B	56	----	50	9	10	2,059.10
8430	**2,817.10**	84330	B	56	D13	10	4	1	4,693.20
8432-P	**3,115.80**	80998	B	56	D13	10	8	1	5,190.90
8450	**3,862.50**	84332	B	56	D14	10	4	1	6,434.90
8450-IG	**3,834.70**	84333	B	56	D14	10	4	1	6,388.60
8452-P	**3,749.20**	80999	B	56	D14	10	8	1	6,246.10
8456-V	**803.40**	05521	B	58	----	50	7	10	1,338.40
8460	**4,521.70**	84334	B	56	D14	10	4	1	7,533.10
8462-P	**3,996.40**	81000	B	56	D14	10	7	1	6,658.00
* **8480-I**	**31.00 EA**	85143	B	97	D6	10	7	1	51.60 EA
* **8480-IG**	**31.00 EA**	85142	B	97	D6	10	7	1	51.60 EA
* **8480-IGB**	**31.00 EA**	84365	B	97	D6	10	7	1	51.60 EA
* **8480-IGI**	**31.00 EA**	84362	B	97	D6	10	7	1	51.60 EA
* **8480-IGW**	**31.00 EA**	84364	B	97	D6	10	7	1	51.60 EA
* **8480-R**	DISCONTINUED								
* **8480-W**	**31.00 EA**	85144	B	97	D6	10	7	1	51.60 EA
8490-I	**33.50 EA**	85148	B	97	D6	10	7	1	55.80 EA
8490-IG	**33.50 EA**	85149	B	97	D6	10	7	1	55.80 EA
8490-IGB	**33.50 EA**	84371	B	97	D6	10	7	1	55.80 EA
8490-IGI	**33.50 EA**	84368	B	97	D6	10	7	1	55.80 EA
8490-IGW	**33.50 EA**	84370	B	97	D6	10	7	1	55.80 EA
8490-W	**33.50 EA**	85147	B	97	D6	10	7	1	55.80 EA
8599	**12.40 EA**	04647	A	90	----	10	3	1	17.60 EA
8599-A	**12.40 EA**	04652	A	90	----	10	3	1	17.60 EA
8599-E	**12.40 EA**	04651	A	90	----	10	3	1	17.60 EA
8599-GY	**12.40 EA**	04650	A	90	----	10	3	1	17.60 EA
8599-I	**12.40 EA**	04648	A	90	----	10	3	1	17.60 EA
8599-W	**12.40 EA**	04649	A	90	----	10	3	1	17.60 EA
8600	**1,292.70**	81869	B	56	D1	50	13	10	2,153.60
8600-I	**1,292.70**	81870	B	56	D1	50	13	10	2,153.60
* **8647-100**	**1,889.00**	05675	C	10	----	5	4	1	3,778.00
* **8656-V**	**566.50**	86365	B	58	H5	50	9	10	943.70
* **8659-V**	**978.50**	86367	B	58	H5	50	9	10	1,630.10
* **8678**	**665.10**	26730	C	10	K6	50	30	1	1,330.20
* **8679**	**665.10**	26740	C	10	K6	50	32	1	1,330.20
* **8680**	**720.20**	26760	C	10	K6	50	31	1	1,440.40
* **8681**	**175.50**	26780	B	10	K7	100	13	10	292.30
* **8684**	**182.60**	12113	C	10	----	5	1	1	365.20
* **8746**	**2,070.30**	05674	C	10	----	5	3	1	4,140.60
* **8750**	**1,585.50**	89473	C	10	K6	5	3	1	3,171.00
* **8750-1**	**2,044.20**	11055	C	10	K6	50	26	Bulk	4,088.40
* **8756**	**1,062.00**	27038	C	10	----	5	3	1	2,124.00
* **8756-2**	**1,306.30**	11593	C	10	K5	75	40	Bulk	2,612.60
8765	**830.80**	27060	C	10	K6	50	41	1	1,661.60
8806	**1,131.80**	10379	C	10	----	5	2	1	2,263.60
* **8827-CW1**	**273.20**	10310	B	07	K1	50	17	1	455.10
* **8827-CW2**	**252.10**	10314	B	07	K1	50	17	1	420.00
* **8827-CW4**	**254.70**	10312	B	07	K1	50	17	1	424.30
8829-CW1	**183.90**	10316	B	07	K1	50	14	1	306.30
8829-CW2	**162.80**	10320	B	07	K1	50	14	1	271.20
8829-CW4	**165.40**	10318	B	07	K1	50	14	1	275.50
* **8871**	**249.60**	27380	C	10	K8	100	20	10	499.20
* **8871-3**	**230.50**	27390	C	10	K8	100	20	10	461.00
* **8875**	**214.00**	24750	C	10	K8	200	34	1	428.00
* **8880**	**260.70**	24780	C	10	K8	200	31	1	521.40
8885	**263.80**	14228	C	10	----	200	37	Bulk	527.60
* **9063**	**249.50**	10381	B	10	K7	200	19	10	415.60
9151-N	**1,125.20**	80895	B	55	H7	30	11	10	1,874.58
9332-P	**2,085.80**	80993	A	56	H7	10	7	1	2,966.00
9346-BR	**373.70**	28350	C	10	K3	250	32	10	747.40
9346-M	**158.60**	86719	C	10	----	5	1	1	317.20
9346-PG	**276.60**	28380	C	10	K3	250	23	10	553.20
9347-BR	**350.50**	28400	C	10	K3	250	22	10	701.00
9347-PG	**265.20**	28430	C	10	K3	100	7	10	530.40
* **9350**	**226.10**	28520	B	10	K8	100	21	10	376.60
* **9382**	**445.10**	80551	C	10	L2	100	6	10	890.20
9432-P	**2,956.10**	80995	B	56	H7	10	8	1	4,924.80
9450-P	**3,234.20**	80994	B	56	H8	10	7	1	5,388.10
9452-P	**3,574.10**	80996	B	56	H8	10	8	1	5,954.40
9460	**4,320.90**	84325	B	56	D14	10	4	1	7,198.60
9460-IG	**4,002.80**	84326	B	56	D14	10	4	1	6,668.60
9462-P	**4,187.00**	80997	B	56	D14	10	8	1	6,975.50
9530-P	**2,657.40**	80985	A	56	H7	10	8	1	3,778.80
9550-P	**2,956.10**	80988	A	56	H8	10	7	1	4,203.50
* **9575-250**	**208.40**	83954	C	10	----	100	4	25	416.80
9630-P	**2,801.60**	80989	A	56	H7	10	7	1	3,983.80
9650-P	**3,069.40**	80990	A	56	H8	10	6	1	4,364.60
9716-C	**469.30**	81901	B	07	K2	50	39	1	781.80
9726-C	**380.70**	10309	A	07	K2	50	40	1	541.30
9726-CM	**363.30**	28885	C	07	K2	100	8	25	726.60
9726-C2	**393.90**	28857	C	07	K2	50	45	1	787.80
9730-A	**1,297.30**	82026	B	56	----	10	4	1	2,161.30
9730-P	**1,336.20**	80991	B	56	D13	10	6	1	2,226.10
9750-A	**1,511.60**	82027	C	56	D14	10	4	1	3,023.20
9750-P	**1,557.00**	80992	B	56	D14	10	7	1	2,593.90
* **9800**	**215.10**	29030	C	10	K10	100	10	10	430.20
9805	**295.80**	29060	C	10	K10	100	10	10	591.60
9805-A	**220.80**	29070	C	10	K10	100	6	10	441.60
9814	**389.90**	29140	C	05	K8	100	28	10	779.80
9814-M	**282.70**	29150	C	10	K8	250	18	25	565.40
* **9819-C**	**387.10**	78990	C	07	K2	50	38	1	774.20
9820-B	**1.40 EA**	05159	C	10	----	10	1	1	2.80 EA
9820-N	**1.40 EA**	05411	C	10	----	10	1	1	2.80 EA
9839	**20.30 EA**	03107	C	10	----	50	1	1	40.60 EA
* **9840**	**303.50**	11608	C	10	----	200	53	10	607.00
9842-BR	**365.70**	29310	C	10	----	100	14	10	731.40
9842-M	**254.00**	29320	C	10	----	100	6	10	508.00
9842-PG	**289.70**	29340	C	10	----	100	9	10	579.40
9874	**353.20**	29450	C	07	K1	50	23	1	706.40
9875	**144.50**	81902	A	07	K1	50	33	1	205.40
9875-2	**160.80**	29470	A	07	K1	50	34	1	228.60
* **9880**	**288.70**	29500	C	10	K7	100	30	10	577.40
9882	**302.00**	29510	C	10	K7	100	35	10	604.00
9883	**189.10**	29530	B	07	K1	50	37	1	315.00
* **9885**	**248.20**	29550	C	05	K8	100	21	10	496.40
9965-C	**1,175.90**	82957	A	56	----	10	3	1	1,672.10
9965-GC	**1,175.90**	82956	A	56	----	10	3	1	1,672.10
10020	**170.80**	12116	C	10	K7	100	4	10	341.60
* **10025**	**183.30**	77067	C	10	K10	100	4	10	366.60
* **10025-10**	**212.20**	89244	C	10	K10	250	14	Bulk	424.40
* **10025-7**	**212.20**	77069	C	10	K10	250	14	Bulk	424.40
* **10026**	**219.20**	77071	C	10	K10	100	8	10	438.40
* **10027**	**176.90**	77222	C	10	K10	100	4	10	353.80
10028	**167.70**	29980	C	10	K7	200	7	10	335.40
* **10032-200**	**146.30**	83302	C	10	----	5	1	1	292.60
* **10035**	**406.40**	11615	C	10	----	200	39	10	812.80
* **10041-500**	**279.20**	30030	C	10	L1	100	4	10	558.40
10045	**293.00**	30040	C	10	K8	100	20	10	586.00
* **10046**	**296.40**	30090	C	10	----	200	43	10	592.80

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* 10049	301.20	11617	C	10	----	200	44	10	602.40
10051	360.10	30110	C	10	----	200	53	10	720.20
10065	292.60	30180	C	10	K8	100	23	10	585.20
10083-16	270.80	30500	C	10	----	100	9	10	541.60
10085	225.20	30530	C	10	K8	100	16	10	450.40
10085-5	237.40	30540	C	10	K8	100	17	10	474.80
* 10091	394.90	30550	C	10	K9	200	50	10	789.80
* 10097-10	269.10	12346	C	10	L1	100	7	10	538.20
* 10097-8	269.40	30575	C	10	L1	100	4	10	538.80
10671-P	46.70 EA	88252	X	20	A10	10	4	1	58.30 EA
10671-PE	46.70 EA	90354	X	20	A10	10	4	1	58.30 EA
10681-A	45.60 EA	85543	X	20	----	10	4	1	57.00 EA
10681-I	45.60 EA	85541	X	20	----	10	4	1	57.00 EA
10681-W	45.60 EA	85542	X	20	----	10	4	1	57.00 EA
12650-I	233.90	82245	B	01	D11	200	32	10	389.60
12650-W	233.90	85135	C	01	D11	200	32	10	467.80
12794	104.80	85244	C	10	----	50	7	5	209.60
12796	157.70	85245	C	10	----	50	8	5	315.40
13051-U	147.90	13287	C	10	----	5	1	1	295.80
13053-UN	140.70	47100	B	10	K13	100	4	10	234.40
* 13080-W	329.10	10429	C	10	----	5	1	1	658.20
13150-D5	158.10	12191	B	10	K13	200	6	Bulk	263.30
13150-UR5	141.20	13307	C	10	----	5	1	1	282.40
* 13151-LU	170.00	13334	C	10	----	5	1	1	340.00
13153-U	253.30	12932	C	10	----	5	1	1	506.60
13180-U	204.70	12933	B	10	----	5	1	1	341.00
13180-U2	140.90	13077	C	10	----	5	1	1	281.80
13351-D	299.60	85186	C	10	K13	1300	38	Bulk	599.20
* 13354	146.10	82819	B	10	----	5	1	1	243.40
* 13354-D	146.10	95742	C	10	----	10	1	1	292.20
* 13355	141.90	85122	B	10	----	5	1	1	236.40
* 13357	141.90	85124	C	10	----	5	1	1	283.80
* 13357-N	148.90	85125	B	10	K17	100	4	10	248.00
* 13358-N	148.90	85324	B	10	----	5	1	1	248.00
* 13359-N	162.80	85128	C	10	----	5	1	1	325.60
13451-N	141.90	85440	C	10	----	5	1	1	283.80
13451-NX	148.90	85857	C	10	----	5	1	1	297.80
13451-20	300.80	12934	C	10	----	5	1	1	601.60
13452	298.30	11101	C	10	----	5	1	1	596.60
13550-W	162.40	06089	C	10	----	10	1	Bulk	324.80
13557-W	178.40	06090	C	10	----	10	1	Bulk	356.80
13556-W	398.10	06092	C	10	----	10	1	Bulk	796.20
13557-W	358.50	06093	C	10	----	10	1	Bulk	717.00
13570-W	354.40	06091	C	10	----	10	1	Bulk	708.80
13571-W	319.40	06094	C	10	----	10	1	Bulk	638.80
* 13885	159.00	62310	C	10	K15	100	2	10	318.00
* 13886	140.30	62300	C	10	K16	100	2	10	280.60
* 13888	418.40	62312	C	10	K16	100	2	10	836.80
* 13889	216.40	62314	C	10	K16	100	2	10	432.80
* 13890	422.10	62316	C	10	K16	100	2	10	844.20
* 13891	139.30	62304	C	10	K16	100	2	10	278.60
* 13892	423.70	62306	C	10	K16	100	2	10	847.40
* 13893	401.40	62318	C	10	K16	100	2	10	802.80
* 13894	228.70	62308	C	10	K16	100	2	10	457.40
14274-PRT	127.90	98441	C	10	----	200	20	Bulk	255.80
15378-C	908.80	79598	B	56	H5	30	4	10	1,514.00
* 15378-CWP	3,095.20	04614	C	56	----	10	4	1	6,190.40
15379-C	1,149.50	79599	B	56	H5	30	6	10	1,915.00
* 15379-CWP	3,095.20	04615	C	56	----	10	4	1	6,190.40
15656-VY	515.00	05524	A	58	----	50	9	10	732.30
15659-VY	927.00	05525	B	58	----	50	9	10	1,544.30
15678-C	824.00	79565	B	56	H5	30	4	10	1,372.70
* 15678-CWP	3,095.20	04616	C	56	----	10	4	1	6,190.40
15679-C	1,004.30	79566	B	56	H5	30	6	10	1,673.10
* 15679-CWP	3,095.20	04617	C	56	----	10	5	1	6,190.40
16046-100	33.50 EA	14286	C	10	----	1	2	Bulk	67.00 EA
16241-I	253.70	47313	C	62	A5	100	18	10	507.40
16241-W	253.70	47316	C	62	A5	100	18	10	507.40
16242	332.50	78820	B	62	A5	100	21	10	553.90
16242-E	332.50	78823	C	62	A5	100	21	10	665.00
16242-I	332.50	78821	B	62	A5	100	21	10	553.90
16242-W	332.50	78822	B	62	A5	100	20	10	553.90
16251	462.70	47330	C	62	A5	100	20	10	925.40
16251-I	462.70	47333	C	62	A5	100	19	10	925.40
16251-W	462.70	47336	C	62	A5	100	19	10	925.40
16252	432.00	81966	B	62	A5	50	10	10	719.70
16252-A	432.00	79620	C	62	A5	50	10	10	864.00
16252-E	432.00	83703	C	62	A5	50	10	10	864.00
16252-GY	432.00	81969	B	62	A5	50	11	10	719.70
16252-I	432.00	81967	C	62	A5	50	10	10	864.00
16252-W	432.00	81968	B	62	A5	50	10	10	719.70
16262	854.30	81940	C	62	A4	50	13	10	1,708.60
16262-GY	854.30	81943	C	62	A4	50	13	10	1,708.60
16262-HGG	1,029.20	81873	C	62	A4	50	12	10	2,058.40
16262-HGI	1,029.20	81871	C	62	A4	50	13	10	2,058.40
16262-HGR	1,029.20	81874	C	62	A4	50	13	10	2,058.40
16262-HGW	1,029.20	81872	C	62	A4	50	13	10	2,058.40
16262-I	854.30	81941	C	62	A4	50	12	10	1,708.60
16262-IG	1,063.20	81917	C	62	A4	50	12	10	2,126.40
16262-IGB	1,063.20	81912	C	62	A4	50	13	10	2,126.40
16262-IGG	1,063.20	81915	C	62	A4	50	13	10	2,126.40
16262-IGI	1,063.20	81913	C	62	A4	50	13	10	2,126.40
16262-IGR	1,063.20	81916	C	62	A4	50	13	10	2,126.40
16262-IGW	1,063.20	81914	C	62	A4	50	13	10	2,126.40
16262-SG	1,323.70	77242	C	62	A4	50	13	10	2,647.40
16262-SGI	1,323.70	77244	C	62	A4	50	13	10	2,647.40
16262-SGR	1,323.70	77250	C	62	A4	50	13	10	2,647.40
16262-SGW	1,323.70	77246	C	62	A4	50	13	10	2,647.40
16262-W	854.30	81942	C	62	A4	50	12	10	1,708.60
16292-I	878.90	47353	C	62	A5	100	24	10	1,757.80
16292-W	878.90	47356	C	62	A5	100	24	10	1,757.80
16293-WI	61.80 EA	98488	B	95	----	10	4	1	102.90 EA
16341	391.80	47360	C	62	A5	100	19	10	783.60
16341-A	391.80	79165	C	62	A5	100	18	10	783.60
16341-GY	391.40	86262	C	62	----	100	18	10	782.80
16341-I	391.80	47363	C	62	A5	100	18	10	783.60
16341-W	391.80	47366	C	62	A5	100	18	10	783.60
16342	453.50	78824	C	62	A5	100	21	10	907.00
16342-E	453.50	80543	C	62	A5	100	21	10	907.00
16342-GY	453.50	80559	C	62	A5	100	22	10	907.00
16342-I	453.50	78825	C	62	A5	100	21	10	907.00
16342-W	453.50	78826	C	62	A5	100	21	10	907.00
16351	589.20	10476	C	62	A5	100	19	10	1,178.40
16351-I	589.20	47383	C	62	A5	100	19	10	1,178.40
16351-W	589.20	47386	C	62	A5	100	19	10	1,178.40
16352	616.90	81970	C	62	A5	50	10	10	1,233.80
16352-A	616.90	79621	C	62	A5	50	11	10	1,233.80
16352-E	616.90	81974	C	62	A5	50	10	10	1,233.80
16352-GY	616.90	81973	C	62	A5	50	10	10	1,233.80
16352-I	616.90	81971	C	62	A5	50	11	10	1,233.80
16352-W	616.90	81972	C	62	A5	50	10	10	1,233.80
16362	1,045.20	81944	C	62	A4	50	13	10	2,090.40
16362-A	1,045.20	86729	C	62	----	50	12	10	2,090.40
16362-E	1,045.20	94664	C	62	----	50	13	10	2,090.40
16362-GY	1,045.20	81947	C	62	A4	50	13	10	2,090.40
16362-HG	1,213.00	81875	C	62	A4	50	13	10	2,426.00
16362-HGG	1,213.00	81878	C	62	A4	50	13	10	2,426.00
16362-HGI	1,213.00	81876	C	62	A4	50	13	10	2,426.00
16362-HGR	1,213.00	81879	C	62	A4	50	13	10	2,426.00
16362-HGW	1,213.00	81877	C	62	A4	50	13	10	2,426.00
16362-I	1,045.20	81945	C	62	A4	50	13	10	2,090.40
16362-IG	1,253.20	81923	C	62	A4	50	13	10	2,506.40
16362-IGB	1,253.20	81918	C	62	A4	50	13	10	2,506.40
16362-IGG	1,253.20	81921	C	62	A4	50	13	10	2,506.40
16362-IGI	1,253.20	81919	C	62	A4	50	13	10	2,506.40
16362-IGR	1,253.20	81922	C	62	A4	50	13	10	2,506.40
16362-IGW	1,253.20	81920	C	62	A4	50	13	10	2,506.40
16362-W	1,045.20	81946	C	62	A4	50	13	10	2,090.40
16383-WI	61.80 EA	97962	B	95	----	10	4	1	102.90 EA
* 16400	50.90 EA	98276	A	95	----	5	2	Bulk	72.30 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
16441-A	420.90	79164	C	62	A6	100	18	10	841.80
16441-I	420.90	47403	C	62	A6	100	19	10	841.80
16441-W	420.90	47406	C	62	A6	100	18	10	841.80
16450-S	16.90 EA	02370	A	95	----	10	1	1	24.00 EA
16450-SA	16.90 EA	02371	A	95	----	10	1	1	24.00 EA
16450-SD	16.90 EA	02375	A	95	----	10	1	1	24.00 EA
16450-SDA	16.90 EA	02374	A	95	----	10	1	1	24.00 EA
16450-SDW	16.90 EA	02376	A	95	----	10	1	1	24.00 EA
16450-SW	16.90 EA	02372	A	95	----	10	1	1	24.00 EA
* 16450-1	14.10 EA	98321	A	95	----	10	1	1	20.00 EA
* 16450-1A	14.10 EA	98324	A	95	----	10	1	1	20.00 EA
* 16450-1AA	14.10 EA	98325	A	95	----	10	2	1	20.00 EA
* 16450-1AL	14.10 EA	98322	A	95	----	10	2	1	20.00 EA
* 16450-1AW	14.10 EA	98326	A	95	----	10	1	1	20.00 EA
* 16450-1W	14.10 EA	98323	A	95	----	10	1	1	20.00 EA
* 16450-2	14.10 EA	98327	A	95	----	10	1	1	20.00 EA
* 16450-2AL	14.10 EA	98328	A	95	----	10	1	1	20.00 EA
* 16450-2D	14.10 EA	98330	A	95	----	10	1	1	20.00 EA
* 16450-2DA	14.10 EA	98331	A	95	----	10	2	1	20.00 EA
* 16450-2DW	14.10 EA	98332	A	95	----	10	2	1	20.00 EA
* 16450-2W	14.10 EA	98329	A	95	----	10	1	1	20.00 EA
* 16450-4	14.10 EA	98333	A	95	----	10	1	1	20.00 EA
* 16450-4A	14.10 EA	98339	A	95	----	10	1	1	20.00 EA
* 16450-4AA	14.10 EA	98340	A	95	----	10	1	1	20.00 EA
* 16450-4AL	14.10 EA	98334	A	95	----	10	1	1	20.00 EA
* 16450-4AW	14.10 EA	98341	A	95	----	10	1	1	20.00 EA
* 16450-4D	14.10 EA	98336	A	95	----	10	1	1	20.00 EA
* 16450-4DA	14.10 EA	98337	A	95	----	10	1	1	20.00 EA
* 16450-4DW	14.10 EA	98338	A	95	----	10	1	1	20.00 EA
* 16450-4W	14.10 EA	98335	A	95	----	10	1	1	20.00 EA
16451	589.20	47420	C	62	A6	100	20	10	1,178.40
16451-I	589.20	47423	C	62	A6	100	20	10	1,178.40
16451-W	589.20	47426	C	62	A6	100	19	10	1,178.40
16462	770.20	81948	C	62	----	50	12	10	1,540.40
16462-HGI	1,170.10	81880	C	62	----	50	13	10	2,340.20
16462-HGW	1,170.10	81881	C	62	----	50	13	10	2,340.20
16462-I	770.20	81949	C	62	----	50	12	10	1,540.40
16462-W	770.20	81950	C	62	----	50	12	10	1,540.40
16599-I	27.00 EA	83951	A	90	----	20	17	1	38.30 EA
16599-W	27.00 EA	83952	A	90	----	20	17	1	38.30 EA
16641-I	382.00	47443	C	62	A6	100	18	10	764.00
16641-W	382.00	47446	C	62	A6	100	18	10	764.00
16651-I	479.10	47463	C	62	A5	100	20	10	958.20
16651-W	479.10	47466	C	62	A5	100	19	10	958.20
16662	601.00	81951	C	62	----	50	13	10	1,202.00
16662-HGW	1,030.00	81883	C	62	----	50	13	10	2,060.00
16662-I	601.00	81952	C	62	----	50	13	10	1,202.00
16662-W	601.00	81953	C	62	----	50	12	10	1,202.00
* 16773-CBX	37.30 EA	95462	B	24	----	10	8	1	62.10 EA
16786-277	70.30 EA	88187	X	24	----	10	7	1	87.80 EA
17100-1WY	35.00 EA	03152	X	20	----	10	3	1	43.70 EA
17100-2WY	36.10 EA	85163	X	20	----	10	3	1	45.10 EA
17621	36.10 EA	86531	X	20	----	10	4	1	45.10 EA
17621-A	36.10 EA	86518	X	20	----	10	4	1	45.10 EA
17621-E	36.10 EA	86535	X	20	----	10	4	1	45.10 EA
17621-GY	36.10 EA	86534	X	20	----	10	4	1	45.10 EA
17621-I	36.10 EA	86532	X	20	----	10	4	1	45.10 EA
17621-W	36.10 EA	86533	X	20	----	10	4	1	45.10 EA
17672	321.90 EA	86530	X	20	----	1	10	----	402.30 EA
17674	482.90 EA	86519	X	20	----	1	10	----	603.60 EA
17700	69.00 EA	81715	X	20	N1	10	4	1	86.20 EA
17727-I	67.00 EA	84386	X	20	----	5	2	1	83.70 EA
17765-I	69.00 EA	81728	X	20	A9	10	4	1	86.20 EA
17765-W	69.00 EA	81729	X	20	A9	10	4	1	86.20 EA
17768-A	74.30 EA	85464	X	20	----	10	4	1	92.80 EA
17775-GY	74.30 EA	81710	X	20	A10	10	5	1	92.80 EA
17775-I	74.30 EA	81708	X	20	A10	10	4	1	92.80 EA
17775-W	74.30 EA	81709	X	20	A10	10	4	1	92.80 EA
18302-IN	26.80 EA	26410	C	10	K2	12	19	Bulk	53.60 EA
18302-1	24.90 EA	26400	C	10	K2	12	19	Bulk	49.80 EA
18315	219.70	79452	C	10	K8	100	18	10	439.40
* 18875	257.50	10487	C	10	----	10	2	1	515.00
* 19062	253.30	31815	B	10	K7	200	48	10	422.00
19980-BR	487.40	31940	C	10	K3	250	35	10	974.80
19980-M	239.10	31950	C	10	K4	100	6	25	478.20
19980-PG	371.20	31970	C	10	K3	100	11	10	742.40
20025	411.70	32145	C	10	K11	250	11	1	823.40
20070-100	316.30	47550	C	10	K8	100	22	10	632.60
20403	5,562.00	80897	A	55	I14	20	11	1	7,909.16
* 21254	1,162.90	83074	A	55	D6	10	6	1	1,653.64
* 21254-E	1,162.90	83079	B	55	D6	10	6	1	1,937.39
* 21254-GY	1,162.90	83077	B	55	D6	10	6	1	1,937.39
* 21254-H	1,369.90	83080	A	55	D6	10	6	1	1,948.00
* 21254-HE	DISCONTINUED								
* 21254-HGY	1,369.90	83083	B	55	D6	10	6	1	2,282.25
* 21254-HI	1,369.90	83081	A	55	D6	10	6	1	1,948.00
* 21254-HR	1,369.90	83084	B	55	D6	10	6	1	2,282.25
* 21254-HW	1,369.90	83082	B	55	D6	10	6	1	2,282.25
* 21254-I	1,162.90	83075	A	55	D6	10	6	1	1,653.64
* 21254-IG	1,464.50	83086	A	55	D6	10	6	1	2,082.52
* 21254-IGI	1,464.50	83087	A	55	D6	10	6	1	2,082.52
* 21254-IGW	1,464.50	83088	A	55	D6	10	6	1	2,082.52
* 21254-R	1,162.90	83078	B	55	D6	10	6	1	1,937.39
* 21254-W	1,162.90	83076	A	55	D6	10	6	1	1,653.64
* 21254-Y	1,162.90	88286	B	55	----	10	6	1	1,937.39
21414-B	7,127.60	80898	B	55	I14	10	9	1	11,874.58
21415-B	5,541.40	80899	A	55	I14	10	8	1	7,879.87
* 23000-HG	3,594.70	80900	A	55	I14	20	8	10	5,111.66
23001-HG	5,057.30	80902	A	55	I14	20	7	10	7,191.48
23004-HG	7,117.30	80903	A	55	I14	20	8	10	10,120.80
23030	3,594.70	80904	A	55	I14	20	7	10	5,111.66
23031-A	5,242.70	80905	A	55	I14	20	8	10	7,455.12
23034-A	4,851.30	80906	A	55	I14	20	5	10	6,898.55
* 23351	215.50	82154	C	10	----	5	1	1	431.00
23452-A	113.60	10492	C	10	----	5	1	1	227.20
23452-B	114.90	11132	C	10	----	5	1	1	229.80
25403	5,891.60	80907	A	55	I14	10	12	1	8,377.86
25414-B	9,146.40	80908	A	55	I14	10	10	1	13,006.18
25415-B	7,364.50	80909	A	55	I14	10	12	1	10,472.32
26115	99.20	32150	X	20	N5	25	1	Bulk	124.00
26115-A	99.20	01164	X	20	----	25	1	Bulk	124.00
26115-E	99.20	32152	X	20	N5	25	1	Bulk	124.00
26115-I	99.20	32154	X	20	N5	25	1	Bulk	124.00
26115-W	99.20	32156	X	20	N5	25	1	Bulk	124.00
* 26591-37C	47.50 EA	82524	B	90	F3	10	39	Bulk	79.10 EA
* 26666-31I	39.10 EA	03099	X	20	----	2	2	1	48.80 EA
* 26666-31W	39.10 EA	97735	X	20	----	2	2	1	48.80 EA
* 26666-37I	39.10 EA	03100	X	20	----	2	2	1	48.80 EA
* 26666-37W	39.10 EA	97751	X	20	----	2	2	1	48.80 EA
* 26719-100	193.60	94956	C	10	----	5	1	1	387.20
* 26719-200	193.60	94957	C	10	----	5	1	1	387.20
* 26719-300	193.60	85362	C	10	----	5	1	1	387.20
* 26719-400	193.60	94958	C	10	----	5	1	1	387.20
* 26719-500	193.60	85359	C	10	----	5	1	1	387.20
* 26719-6	193.60	12855	C	10	K14	500	14	Bulk	387.20
* 26720-100	209.50	94968	C	10	----	10	1	1	419.00
* 26720-200	209.50	94962	C	10	----	5	1	1	419.00
* 26720-300	209.50	85366	C	10	----	5	1	1	419.00
* 26720-400	209.50	94963	C	10	----	5	1	1	419.00
* 26720-500	209.50	85035	C	10	----	5	1	1	419.00
* 26720-6	220.00	13651	C	10	K14	500	13	Bulk	440.00
* 26725-201	226.80	85051	C	10	----	5	1	Bulk	453.60
* 26725-202	226.80	85029	C	10	----	5	1	Bulk	453.60
* 26725-203	226.80	85030	C	10	----	5	1	Bulk	453.60
* 26725-211	226.80	03153	C	10	----	5	1	Bulk	453.60
* 26725-212	226.80	85046	C	10	----	5	1	Bulk	453.60
* 26725-213	226.80	03154	C	10	----	5	1	Bulk	453.60
* 26725-222	226.80	00603	C	10	----	500	19	Bulk	453.60
* 26725-401	226.80	85031	C	10	----	5	1	Bulk	453.60
* 26725-402	285.70	85032	C	10	----	5	1	Bulk	571.40

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

	Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
*	26725-403	285.70	85033	C	10	----	5	1	Bulk	571.40
*	26725-404	377.40	86245	C	10	----	5	1	Bulk	754.80
*	26725-411	377.40	85048	C	10	----	5	1	Bulk	754.80
*	26725-412	377.40	03155	C	10	----	5	1	Bulk	754.80
*	26725-413	377.40	85050	C	10	----	5	1	Bulk	754.80
*	26725-414	377.40	86479	C	10	----	5	1	Bulk	754.80
*	26725-419	377.40	05206	C	10	----	5	2	Bulk	754.80
	29816-C	227.60	10305	A	07	K1	50	36	1	323.60
	29816-CM	267.90	32225	C	07	K1	100	8	25	535.80
*	29816-C2	244.70	79425	A	07	K1	50	36	1	347.90
*	32120-DY3	278.90 EA	84656	B	97	R10	4	17	1	464.60 EA
*	32120-1	259.50 EA	84655	B	97	R10	4	16	1	432.30 EA
*	32277-DY3	324.50 EA	84659	B	97	R10	4	17	1	540.60 EA
*	32347-DY3	324.50 EA	86553	B	97	R9	4	17	1	540.60 EA
	32412-DS3	278.90 EA	86489	B	97	R9	4	17	1	464.60 EA
	36591-E	67.00 EA	96537	C	90	----	5	29	Bulk	134.00 EA
*	36597	22.70 EA	04598	C	90	----	10	4	1	45.40 EA
	40050-MCV	2.46 EA	12348		72	S18	100	8	10	3.08 EA
	40050-MHG	2.30 EA	12679		72	S18	100	12	Bulk	2.88 EA
	40050-MH0	3.08 EA	12619		72	----	100	10	Bulk	3.85 EA
	40054-DS	1.39 EA	12349		72	S20	100	4	Bulk	1.74 EA
	40054-DSS	0.95 EA	12530		72	S20	100	4	Bulk	1.19 EA
	40056-DSM	0.68 EA	12350		75	S20	100	2	10	0.85 EA
	40066-MR	26.06 EA	12865		72	----	20	29	Bulk	32.58 EA
	40066-MW	24.31 EA	12714		72	S17	50	49	Bulk	30.39 EA
	40066-MW2	69.91 EA	12830		72	----	10	11	Bulk	87.39 EA
	40066-M25	16.72 EA	12351		72	S17	50	49	Bulk	20.90 EA
	40066-M50	9.12 EA	12532		72	S17	50	48	Bulk	11.40 EA
	40067-BC	0.16 EA	12352		72	S20	5000	8	50	0.20 EA
	40070-MDP	17.66 EA	12353		75	S22	100	10	1	22.08 EA
	40072-T2	10.22 EA	12354		72	S19	50	1	1	12.78 EA
	40072-T4	10.59 EA	12553		72	S19	50	2	1	13.24 EA
	40072-T6	10.95 EA	12621		72	S19	50	2	1	13.69 EA
	40072-T8	11.47 EA	12681		72	S19	50	3	1	14.34 EA
*	40089-B	4.64 EA	12535		72	----	50	8	Bulk	5.80 EA
*	40089-D	3.27 EA	12356		72	----	50	9	Bulk	4.09 EA
	40201-I	2.02 EA	77345		70	S2	50	6	10	2.53 EA
*	40214-A	2.38 EA	03061		70	----	50	8	10	2.98 EA
*	40214-I	2.38 EA	10499		70	S13	50	8	10	2.98 EA
*	40214-W	2.38 EA	82176		70	S13	50	8	10	2.98 EA
	40216-I	2.88 EA	10500		70	S13	50	9	10	3.60 EA
	40216-W	2.88 EA	82177		70	S13	50	8	10	3.60 EA
*	40218-I	3.96 EA	31200		70	S14	50	11	10	4.95 EA
*	40219-I	3.62 EA	31201		70	S14	50	10	10	4.53 EA
	40223-S	4.64 EA	31204		70	S13	50	16	10	5.80 EA
*	40226-S	4.96 EA	10506		70	S13	50	14	10	6.20 EA
*	40229-I	2.12 EA	31206		70	----	50	7	10	2.65 EA
*	40235-I	1.20 EA	12942		70	S10	50	5	10	1.50 EA
*	40236-I	2.12 EA	31210		70	S10	50	6	10	2.65 EA
*	40237-I	1.82 EA	31211		70	S10	50	6	10	2.28 EA
	40238-I	155.00	31212		70	S1	50	6	10	193.75
	40238-W	155.00	13171		70	S1	50	6	10	193.75
	40244	2.47 EA	79192		70	S1	50	8	10	3.09 EA
	40244-A	2.47 EA	03057		70	----	50	8	10	3.09 EA
	40244-I	2.47 EA	31208		70	S1	50	8	10	3.09 EA
	40244-W	2.47 EA	31218		70	S1	50	8	10	3.09 EA
	40249	1.41 EA	77492		70	S1	100	10	10	1.76 EA
	40249-A	1.41 EA	03013		70	----	100	10	10	1.76 EA
	40249-I	1.41 EA	31213		70	S1	100	12	10	1.76 EA
	40249-W	1.41 EA	31214		70	S1	100	12	10	1.76 EA
	40253-A	2.47 EA	03059		70	----	50	11	10	3.09 EA
	40253-G	2.47 EA	11873		70	S13	50	11	10	3.09 EA
	40253-I	2.47 EA	31222		70	S13	50	11	10	3.09 EA
	40253-W	2.47 EA	11660		70	S13	50	11	10	3.09 EA
*	40257-I	2.47 EA	77108		70	S13	50	10	10	3.09 EA
*	40257-W	2.47 EA	82178		70	S13	50	10	10	3.09 EA
*	40258-I	2.76 EA	78403		70	S1	50	7	10	3.45 EA
*	40258-W	2.76 EA	78404		70	S1	50	7	10	3.45 EA
*	40259-A	2.34 EA	03058		70	----	50	6	10	2.93 EA
*	40259-G	2.34 EA	78402		70	S1	50	6	10	2.93 EA
*	40259-I	2.34 EA	78400		70	S1	50	6	10	2.93 EA
*	40259-W	2.34 EA	78401		70	S1	50	6	10	2.93 EA
*	40263-I	2.88 EA	31234		70	S13	50	11	10	3.60 EA
*	40263-W	2.88 EA	98155		70	----	50	11	10	3.60 EA
*	40266-I	3.10 EA	12948		70	S1	50	9	10	3.88 EA
*	40266-W	3.10 EA	13174		70	S1	50	8	10	3.88 EA
*	40274-SBI	2.36 EA	85291		70	S10	25	3	1	2.95 EA
*	40278-G	2.11 EA	84678		70	S10	25	3	1	2.64 EA
*	40278-I	2.11 EA	84676		70	S10	25	3	1	2.64 EA
*	40278-KI	2.34 EA	84680		70	S10	25	3	1	2.93 EA
*	40278-SBI	3.06 EA	84679		70	S10	25	3	1	3.83 EA
*	40278-W	2.11 EA	84677		70	S10	25	3	1	2.64 EA
*	40280-I	2.30 EA	12950		70	S1	50	7	10	2.88 EA
*	40280-W	2.30 EA	13175		70	S1	50	7	10	2.88 EA
*	40294-I	3.60 EA	78478		70	S12	50	12	1	4.50 EA
*	40296-I	4.40 EA	78645		70	S12	50	14	1	5.50 EA
*	40297-I	5.39 EA	78484		70	S12	50	13	1	6.74 EA
*	40298-G	5.99 EA	78640		70	S12	50	14	1	7.49 EA
*	40298-I	5.99 EA	78642		70	S12	50	15	1	7.49 EA
*	40298-SBI	6.49 EA	78639		70	S12	50	14	1	8.11 EA
*	40538-I	2.06 EA	10513		70	S1	50	7	10	2.58 EA
*	40538-W	2.06 EA	11661		70	S1	50	7	10	2.58 EA
*	40544-I	2.80 EA	10514		70	S1	50	8	10	3.50 EA
*	40544-W	2.80 EA	11662		70	S1	50	7	10	3.50 EA
	40549	1.66 EA	31242		70	S1	50	6	10	2.08 EA
	40549-I	1.66 EA	31244		70	S1	50	6	10	2.08 EA
	40549-W	1.66 EA	31246		70	S1	50	7	10	2.08 EA
*	40566-I	3.44 EA	10516		70	S1	50	8	10	4.30 EA
*	40566-W	3.44 EA	11664		70	S1	50	8	10	4.30 EA
*	40580-I	2.70 EA	10517		70	S1	50	8	10	3.38 EA
*	40580-W	2.70 EA	11665		70	S1	50	8	10	3.38 EA
*	40588-I	5.12 EA	10518		70	S1	50	10	10	6.40 EA
*	40588-W	5.12 EA	11666		70	S1	50	10	10	6.40 EA
	40638	2.30 EA	11138		70	S6	50	7	10	2.88 EA
	40638-A	2.30 EA	80571		70	S6	50	6	10	2.88 EA
	40638-E	2.30 EA	80568		70	----	50	6	10	2.88 EA
	40638-GY	2.30 EA	11874		70	S6	50	7	10	2.88 EA
	40638-I	2.30 EA	10519		70	S6	50	7	10	2.88 EA
	40638-W	2.30 EA	11667		70	S6	50	7	10	2.88 EA
	40649	1.93 EA	11139		70	S6	50	6	10	2.41 EA
	40649-A	1.93 EA	80570		70	S6	50	6	10	2.41 EA
	40649-E	1.93 EA	80569		70	S6	50	6	10	2.41 EA
	40649-GY	1.93 EA	11875		70	S6	50	6	10	2.41 EA
	40649-I	1.93 EA	10520		70	S6	50	6	10	2.41 EA
	40649-W	1.93 EA	11668		70	S6	50	6	10	2.41 EA
	40680	3.10 EA	11140		70	----	50	8	10	3.88 EA
	40680-GY	3.10 EA	10743		70	S6	50	8	10	3.88 EA
	40680-I	3.10 EA	10521		70	S6	50	8	10	3.88 EA
	40680-W	3.10 EA	11669		70	S6	50	8	10	3.88 EA
	40681	1.80 EA	20402		70	A20	50	3	10	2.25 EA
	40681-A	1.80 EA	79175		70	A20	50	2	10	2.25 EA
	40681-GY	1.80 EA	20372		70	A20	50	3	10	2.25 EA
	40681-I	1.80 EA	20382		70	A20	50	3	10	2.25 EA
	40681-W	1.80 EA	20392		70	A20	50	3	10	2.25 EA
	40682	2.84 EA	20359		70	A20	50	4	10	3.55 EA
	40682-A	2.84 EA	82319		70	A20	50	4	10	3.55 EA
	40682-GY	2.84 EA	20412		70	A20	50	3	10	3.55 EA
	40682-I	2.84 EA	20362		70	A20	50	4	10	3.55 EA
	40682-W	2.84 EA	20342		70	A20	50	4	10	3.55 EA
*	40701-BA	1.28 EA	00598		71	----	50	4	10	1.60 EA
*	40701-BI	1.28 EA	00596		71	----	50	4	10	1.60 EA
*	40701-BW	1.28 EA	00597		71	----	50	4	10	1.60 EA
*	40702-BA	1.28 EA	00601		71	----	50	4	10	1.60 EA
*	40702-BI	1.28 EA	00599		71	----	50	4	10	1.60 EA
*	40702-BW	1.28 EA	00600		71	----	50	4	10	1.60 EA
	40731-BA	1.33 EA	00810		71	----	100	3	20	1.66 EA
	40731-BI	1.33 EA	96911		71	----	100	3	20	1.66 EA
	40731-BW	1.33 EA	96912		71	----	100	3	20	1.66 EA
	40734-SVA	6.07 EA	05407		72	----	50	1	1	7.59 EA
	40734-SVE	6.07 EA	05414		72	----	50	1	1	7.59 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
40734-SVG	**6.07 EA**	05409		72	----	50	1	1	7.59 **EA**
40734-SVI	**6.07 EA**	05397		72	----	50	1	1	7.59 **EA**
40734-SVW	**6.07 EA**	05406		72	----	50	1	1	7.59 **EA**
* **40740-BE**	**3.81 EA**	96967		71	----	50	2	10	4.76 **EA**
40753-BA	**2.60 EA**	02307		71	----	50	3	10	3.25 **EA**
40753-BI	**2.60 EA**	02305		71	----	50	3	10	3.25 **EA**
40753-BW	**2.60 EA**	02306		71	----	50	3	10	3.25 **EA**
40754-BA	**2.60 EA**	02314		71	----	50	3	10	3.25 **EA**
40754-BI	**2.60 EA**	02308		71	----	50	3	10	3.25 **EA**
40754-BW	**2.60 EA**	02309		71	----	50	3	10	3.25 **EA**
40756-BA	**2.60 EA**	02319		71	----	50	3	10	3.25 **EA**
40756-BI	**2.60 EA**	02315		71	----	50	3	10	3.25 **EA**
40756-BW	**2.60 EA**	02317		71	----	50	3	10	3.25 **EA**
* **40803-BA**	**1.28 EA**	00448		71	----	50	4	10	1.60 **EA**
* **40803-BI**	**1.28 EA**	96257		71	----	50	4	10	1.60 **EA**
* **40803-BW**	**1.28 EA**	96259		71	----	50	4	10	1.60 **EA**
* **40804-BA**	**1.28 EA**	00449		71	----	50	4	10	1.60 **EA**
* **40804-BI**	**1.28 EA**	96264		71	----	50	4	10	1.60 **EA**
* **40804-BW**	**1.28 EA**	96265		71	----	50	4	10	1.60 **EA**
* **40806-BA**	**1.28 EA**	00450		71	----	50	4	10	1.60 **EA**
* **40806-BI**	**1.28 EA**	96266		71	----	50	4	10	1.60 **EA**
* **40806-BW**	**1.28 EA**	96267		71	----	50	4	10	1.60 **EA**
* **40807-BI**	**4.00 EA**	96254		71	----	25	4	5	5.00 **EA**
* **40807-BW**	**4.00 EA**	96255		71	----	25	4	5	5.00 **EA**
* **40807-B2I**	**7.00 EA**	96256		71	----	20	4	1	8.75 **EA**
* **40807-B2W**	**7.00 EA**	96258		71	----	20	4	1	8.75 **EA**
40813-BA	**1.65 EA**	00451		71	----	50	4	10	2.06 **EA**
40813-BI	**1.65 EA**	96248		71	----	50	4	10	2.06 **EA**
40813-BW	**1.65 EA**	96249		71	----	50	4	10	2.06 **EA**
40814-BA	**1.65 EA**	00452		71	----	50	7	10	2.06 **EA**
40814-BI	**1.65 EA**	96250		71	----	50	4	10	2.06 **EA**
40814-BW	**1.65 EA**	96251		71	----	50	4	10	2.06 **EA**
40816-BA	**1.65 EA**	00453		71	----	50	4	10	2.06 **EA**
40816-BI	**1.65 EA**	96252		71	----	50	4	10	2.06 **EA**
40816-BW	**1.65 EA**	96253		71	----	50	4	10	2.06 **EA**
40822-BI	**1.28 EA**	96268		71	----	25	3	5	1.60 **EA**
40822-BW	**1.28 EA**	96269		71	----	25	3	5	1.60 **EA**
40827-L	**75.00 EA**	03079	B	73	----	2	25	1	93.75 **EA**
40828-G	**59.00 EA**	03080	B	73	----	0		1	73.75 **EA**
* **40830-BAE**	**2.53 EA**	00457		71	----	100	4	20	3.16 **EA**
* **40830-BAR**	**2.53 EA**	00456		71	----	100	4	20	3.16 **EA**
* **40830-BAY**	**2.53 EA**	00458		71	----	100	4	20	3.16 **EA**
* **40830-BGR**	**1.90 EA**	03092		79	----	100	4	20	2.38 **EA**
* **40830-BIE**	**2.53 EA**	96234		71	----	100	4	20	3.16 **EA**
* **40830-BIR**	**2.53 EA**	96232		71	----	100	4	20	3.16 **EA**
* **40830-BIY**	**2.53 EA**	98495		71	----	100	4	20	3.16 **EA**
* **40830-BWE**	**2.53 EA**	96235		71	----	100	4	20	3.16 **EA**
* **40830-BWR**	**2.53 EA**	96233		71	----	100	4	20	3.16 **EA**
* **40830-BWY**	**2.53 EA**	98496		71	----	100	4	20	3.16 **EA**
* **40831-BA**	**2.00 EA**	00459		71	----	100	4	20	2.50 **EA**
* **40831-BI**	**2.00 EA**	96236		71	----	100	4	20	2.50 **EA**
* **40831-BW**	**2.00 EA**	96237		71	----	100	4	20	2.50 **EA**
* **40832-BA**	**4.67 EA**	00595		71	----	100	4	20	5.84 **EA**
* **40832-BI**	**4.67 EA**	00593		71	----	100	4	20	5.84 **EA**
* **40832-BW**	**4.67 EA**	00594		71	----	100	4	20	5.84 **EA**
* **40833-BAE**	**2.87 EA**	00461		71	----	100	5	20	3.59 **EA**
* **40833-BAR**	**2.87 EA**	00460		71	----	100	5	20	3.59 **EA**
* **40833-BIE**	**2.87 EA**	96240		71	----	100	5	20	3.59 **EA**
* **40833-BIR**	**2.87 EA**	96238		71	----	100	5	20	3.59 **EA**
* **40833-BWE**	**2.87 EA**	96241		71	----	100	5	20	3.59 **EA**
* **40833-BWR**	**2.87 EA**	96239		71	----	100	5	20	3.59 **EA**
* **40836-BA**	**2.07 EA**	00454		71	----	100	3	20	2.59 **EA**
* **40836-BI**	**2.07 EA**	96792		71	----	100	3	20	2.59 **EA**
* **40836-BW**	**2.07 EA**	96854		71	----	100	3	20	2.59 **EA**
* **40837-BAE**	**2.47 EA**	00463		71	----	100	5	20	3.09 **EA**
* **40837-BAR**	**2.47 EA**	00462		71	----	100	5	20	3.09 **EA**
* **40837-BIE**	**2.47 EA**	96244		71	----	100	5	20	3.09 **EA**
* **40837-BIR**	**2.47 EA**	96242		71	----	100	5	20	3.09 **EA**
* **40837-BWE**	**2.47 EA**	96245		71	----	100	5	20	3.09 **EA**
* **40837-BWR**	**2.47 EA**	96243		71	----	100	5	20	3.09 **EA**
* **40838-BA**	**3.60 EA**	00455		71	----	100	3	20	4.50 **EA**
* **40838-BI**	**3.60 EA**	96246		71	----	100	3	20	4.50 **EA**
* **40838-BW**	**3.60 EA**	96247		71	----	100	3	20	4.50 **EA**
40841-DI	**41.50 EA**	02628	B	73	----	6	6	1	51.88 **EA**
40841-DW	**41.50 EA**	02629	B	73	----	6	6	1	51.88 **EA**
40850-BA	**2.60 EA**	00464		71	----	50	3	10	3.25 **EA**
40850-BI	**2.60 EA**	96865		71	----	50	3	10	3.25 **EA**
40850-BW	**2.60 EA**	96872		71	----	50	3	10	3.25 **EA**
40853-OVC	**106.00 EA**	01242	B	73	----	3	3	1	132.50 **EA**
* **40859-BA**	**0.13 EA**	00465		71	----	250	2	10	0.16 **EA**
40859-BI	**0.13 EA**	96855		71	----	250	2	10	0.16 **EA**
40859-BW	**0.13 EA**	96856		71	----	250	2	10	0.16 **EA**
40864-DI	**118.00 EA**	02622	B	73	----	4	4	1	147.50 **EA**
40864-DW	**118.00 EA**	02623	B	73	----	4	4	1	147.50 **EA**
40872-CE	**27.30 EA**	00297	B	73	----	4	22	1	34.13 **EA**
40872-CW	**27.30 EA**	00298	B	73	----	4	22	1	34.13 **EA**
40872-25E	**9.30 EA**	00293	B	73	----	6	9	1	11.63 **EA**
40872-25W	**9.30 EA**	00294	B	73	----	6	9	1	11.63 **EA**
40872-50E	**15.70 EA**	00295	B	73	----	6	18	1	19.63 **EA**
40872-50W	**15.70 EA**	00296	B	73	----	6	18	1	19.63 **EA**
40873-DW	**92.50 EA**	02625	B	73	----	4	4	1	115.63 **EA**
40888-72I	**66.00 EA**	02626	B	73	----	6	6	1	82.50 **EA**
40888-72W	**66.00 EA**	02627	B	73	----	6	6	1	82.50 **EA**
40890-WS	**99.00 EA**	94246	B	73	----	2	25	1	123.75 **EA**
40891-W	**54.00 EA**	05146	B	73	----	2	17	1	67.50 **EA**
40896-W	**45.00 EA**	05498		73	----	0		1	58.75 **EA**
40901-DI	**52.00 EA**	02620		73	----	6	6	1	65.00 **EA**
40901-DW	**52.00 EA**	02621		73	----	6	6	1	65.00 **EA**
40914-A	**1.21 EA**	03066		70	----	50	7	1	1.51 **EA**
40914-I	**1.21 EA**	84710		70	----	50	7	1	1.51 **EA**
40914-W	**1.21 EA**	84711		70	----	50	7	1	1.51 **EA**
40944-I	**1.21 EA**	84698		70	----	50	6	1	1.51 **EA**
40944-ID	**2.40 EA**	84712		70	----	50	8	1	3.00 **EA**
40944-W	**1.21 EA**	84699		70	----	50	6	1	1.51 **EA**
40944-WD	**2.40 EA**	84713		70	----	50	8	1	3.00 **EA**
40949-A	**0.80 EA**	03065		70	----	50	5	1	1.00 **EA**
40949-I	**0.80 EA**	84700		70	----	50	5	1	1.00 **EA**
40949-ID	**1.60 EA**	84714		70	----	50	7	1	2.00 **EA**
40949-W	**0.80 EA**	84701		70	----	50	4	1	1.00 **EA**
40949-WD	**1.60 EA**	84715		70	----	50	7	1	2.00 **EA**
40959-I	**1.33 EA**	84696		70	----	50	5	1	1.66 **EA**
40959-ID	**2.20 EA**	84716		70	----	50	7	1	2.75 **EA**
40959-W	**1.33 EA**	84697		70	----	50	5	1	1.66 **EA**
40959-WD	**2.20 EA**	84717		70	----	50	7	1	2.75 **EA**
40974-I	**0.80 EA**	84704		70	----	50	4	1	1.00 **EA**
40974-W	**0.80 EA**	84705		70	----	50	4	1	1.00 **EA**
40981-A	**0.50 EA**	03069		70	----	50	4	1	0.63 **EA**
40981-I	**0.50 EA**	84706		70	----	50	4	1	0.63 **EA**
40981-ID	**1.20 EA**	84718		70	----	50	7	1	1.50 **EA**
40981-W	**0.50 EA**	84707		70	----	50	4	1	0.63 **EA**
40981-WD	**1.20 EA**	84719		70	----	50	6	1	1.50 **EA**
40982-I	**0.70 EA**	84708		70	----	50	5	1	0.88 **EA**
40982-ID	**1.66 EA**	84720		70	----	50	7	1	2.08 **EA**
40982-W	**0.70 EA**	84709		70	----	50	5	1	0.88 **EA**
40982-WD	**1.66 EA**	84721		70	----	50	7	1	2.08 **EA**
40984	**0.35 EA**	96501		70	----	500	4	25	0.44 **EA**
40985-HQ6	**62.00 EA**	96500		71	----	5	5	1	77.50 **EA**
40985-Q6	**0.34 EA**	96499		70	----	500	7	100	0.43 **EA**
40985-TW6	**0.26 EA**	84729		70	----	2000	16	100	0.33 **EA**
40985-TW9	**0.18 EA**	84728		70	----	2000	24	100	0.23 **EA**
40985-1P6	**0.22 EA**	84727		70	----	2000	22	100	0.28 **EA**
40985-1P9	**0.18 EA**	84726		70	----	2000	22	100	0.23 **EA**
40985-2P6	**0.18 EA**	84725		70	----	2000	15	100	0.23 **EA**
40985-2P9	**0.14 EA**	84724		70	----	2000	15	100	0.18 **EA**
40986	**0.22 EA**	84730		70	----	2000	24	100	0.28 **EA**
40987-2	**0.86 EA**	84731		70	----	250	17	25	1.08 **EA**
40987-3	**1.46 EA**	84732		70	----	125	15	25	1.83 **EA**
40987-4	**1.60 EA**	84733		70	----	125	16	25	2.00 **EA**
41010-SPW	**19.29 EA**	97687		72	----	25	4	1	24.11 **EA**
* **41014-IQ**	**2.42 EA**	13487		72	S10	50	5	1	3.03 **EA**

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* 41016-IQ	2.81 EA	13488	72		S10	50	8	1	3.51 EA
* 41018-IQ	3.23 EA	13489	72		S10	50	8	1	4.04 EA
* 41018-IQK	3.27 EA	77115	72		S10	50	6	1	4.09 EA
* 41018-IQS	3.66 EA	13559	72		S10	50	8	1	4.58 EA
41020-SPR	19.29 EA	97688	72		----	25	5	1	24.11 EA
41030-OFT	10.00 EA	97690	72		----	25	2	1	12.50 EA
41030-SMJ	4.20 EA	81646	72		----	25	5	1	5.25 EA
* 41034-IDA	3.26 EA	79056	72		S11	50	8	1	4.08 EA
* 41036-IDA	3.39 EA	79059	72		S11	50	9	1	4.24 EA
* 41038-IDA	3.58 EA	79062	72		S11	50	8	1	4.48 EA
* 41038-IDB	3.58 EA	79065	72		S11	50	8	1	4.48 EA
* 41038-WDB	3.58 EA	79066	72		S11	50	8	1	4.48 EA
* 41044-IDA	5.70 EA	79071	72		S11	50	10	1	7.13 EA
* 41046-IDA	5.91 EA	79074	72		S11	50	10	1	7.39 EA
* 41048-IDA	6.34 EA	79080	72		S11	50	10	1	7.93 EA
* 41048-IDB	6.34 EA	79083	72		S11	50	10	1	7.93 EA
* 41054-IDD	2.91 EA	79108	72		S3	50	4	1	3.64 EA
* 41056-IDD	3.07 EA	79111	72		S3	50	4	1	3.84 EA
* 41056-WDD	3.07 EA	79112	72		S3	50	4	1	3.84 EA
* 41058-IDA	3.22 EA	79117	72		S3	50	4	1	4.03 EA
* 41058-IDD	3.79 EA	79114	72		S3	50	4	1	4.74 EA
* 41080-LEB	3.17 EA	81668	72		S9	200	1	10	3.96 EA
* 41080-LWB	3.17 EA	81669	72		S9	200	1	10	3.96 EA
* 41080-1AP	1.14 EA	83558	72		S9	25	2	1	1.43 EA
* 41080-1EP	1.14 EA	83557	72		S9	25	2	1	1.43 EA
* 41080-1GP	1.14 EA	83556	72		S9	25	2	1	1.43 EA
* 41080-1IP	1.14 EA	83553	72		S9	25	2	1	1.43 EA
* 41080-1WP	1.14 EA	83555	72		S9	25	2	1	1.43 EA
* 41080-2AP	1.14 EA	83564	72		S9	25	2	1	1.43 EA
* 41080-2EP	1.14 EA	83563	72		S9	25	2	1	1.43 EA
* 41080-2GP	1.14 EA	83562	72		S9	25	2	1	1.43 EA
* 41080-2IP	1.14 EA	83559	72		S9	25	2	1	1.43 EA
* 41080-2WP	1.14 EA	83561	72		S9	25	2	1	1.43 EA
* 41080-3AP	1.14 EA	81094	72		S9	25	2	1	1.43 EA
* 41080-3EP	1.14 EA	81093	72		S9	25	2	1	1.43 EA
* 41080-3GP	1.14 EA	81092	72		S9	25	2	1	1.43 EA
* 41080-3IP	1.14 EA	81089	72		S9	25	2	1	1.43 EA
* 41080-3WP	1.14 EA	81091	72		S9	25	2	1	1.43 EA
* 41080-4AP	1.14 EA	82046	72		S9	25	2	1	1.43 EA
* 41080-4EP	1.14 EA	82045	72		S9	25	2	1	1.43 EA
* 41080-4GP	1.14 EA	82044	72		S9	25	2	1	1.43 EA
* 41080-4IP	1.14 EA	82041	72		S9	25	2	1	1.43 EA
* 41080-4WP	1.14 EA	82043	72		S9	25	2	1	1.43 EA
* 41080-6AP	1.14 EA	80676	72		S9	25	2	1	1.43 EA
* 41080-6EP	1.14 EA	79481	72		S9	25	2	1	1.43 EA
* 41080-6GP	1.14 EA	79480	72		S9	25	2	1	1.43 EA
* 41080-6IP	1.14 EA	79477	72		S9	25	2	1	1.43 EA
* 41080-6WP	1.14 EA	79479	72		S9	25	2	1	1.43 EA
* 41084-BAB	0.14 EA	81996	72		S8	200	1	10	0.18 EA
* 41084-BAF	3.58 EA	81675	72		S8	50	2	1	4.48 EA
* 41084-BBB	0.14 EA	81992	72		----	200	1	10	0.18 EA
* 41084-BBF	3.58 EA	81671	72		----	50	2	1	4.48 EA
* 41084-BEB	0.14 EA	81995	72		S8	200	1	10	0.18 EA
* 41084-BEF	3.58 EA	81674	72		S8	50	2	1	4.48 EA
* 41084-BGB	0.14 EA	81994	72		S8	200	1	10	0.18 EA
* 41084-BGF	3.58 EA	81673	72		S8	50	2	1	4.48 EA
* 41084-BIB	0.14 EA	81991	72		S8	200	1	10	0.18 EA
* 41084-BIF	3.58 EA	81670	72		S8	50	2	1	4.48 EA
* 41084-BWB	0.14 EA	81993	72		S8	200	1	10	0.18 EA
* 41084-BWF	3.58 EA	81672	72		S8	50	2	1	4.48 EA
* 41084-FAF	1.43 EA	82006	72		S8	50	1	1	1.79 EA
* 41084-FBF	1.43 EA	81666	72		----	50	2	1	1.79 EA
* 41084-FEF	1.43 EA	82005	72		S8	50	1	1	1.79 EA
* 41084-FGF	1.43 EA	81999	72		S8	50	1	1	1.79 EA
* 41084-FIF	1.43 EA	81997	72		S8	50	2	1	1.79 EA
* 41084-FWF	1.43 EA	81998	72		S8	50	1	1	1.79 EA
* 41084-SAF	6.23 EA	82011	77		S8	50	2	1	7.79 EA
* 41084-SBF	6.23 EA	81667	77		----	50	2	1	7.79 EA
* 41084-SEF	6.23 EA	82010	77		S8	50	2	1	7.79 EA
* 41084-SGF	6.23 EA	82009	77		S8	50	1	1	7.79 EA
* 41084-SIF	6.23 EA	82007	77		S8	50	1	1	7.79 EA
* 41084-SWF	6.23 EA	82008	77		S8	50	1	1	7.79 EA
* 41086-IDB	5.78 EA	79077	72		S11	50	9	1	7.23 EA
* 41087-QEP	1.72 EA	82018	72		----	25	1	1	2.15 EA
* 41087-QGP	1.72 EA	82017	76		----	25	1	1	2.15 EA
* 41087-QIP	1.72 EA	82015	76		----	25	1	1	2.15 EA
* 41087-QWP	1.72 EA	82016	76		----	25	1	1	2.15 EA
* 41087-2EP	1.22 EA	84041	72		----	25	1	1	1.53 EA
* 41087-2GP	1.22 EA	83677	72		----	25	1	1	1.53 EA
* 41087-2IP	1.22 EA	83675	72		----	25	1	1	1.53 EA
* 41087-2WP	1.22 EA	83676	72		----	25	1	1	1.53 EA
* 41088-IDB	6.48 EA	79086	72		S11	50	10	1	8.10 EA
* 41089-12E	8.40 EA	97727	72		----	20	11	1	10.50 EA
* 41089-12G	8.40 EA	97726	72		----	20	11	1	10.50 EA
* 41089-12I	8.40 EA	97724	72		----	20	11	1	10.50 EA
* 41089-12W	8.40 EA	97725	72		----	20	11	1	10.50 EA
* 41089-2EP	1.22 EA	83991	72		----	25	2	1	1.53 EA
* 41089-2GP	1.22 EA	83674	72		----	25	2	1	1.53 EA
* 41089-2IP	1.22 EA	83672	72		----	25	3	1	1.53 EA
* 41089-2WP	1.22 EA	83673	72		----	25	3	1	1.53 EA
* 41089-4EP	2.72 EA	86909	72		----	25	5	1	3.40 EA
* 41089-4GP	2.72 EA	86908	72		----	25	5	1	3.40 EA
* 41089-4IP	2.72 EA	86906	72		----	25	5	1	3.40 EA
* 41089-4WP	2.72 EA	86907	72		----	25	5	1	3.40 EA
* 41089-6EP	4.73 EA	82135	72		----	20	6	1	5.91 EA
* 41089-6GP	4.73 EA	82134	72		----	20	6	1	5.91 EA
* 41089-6IP	4.73 EA	82132	72		----	20	6	1	5.91 EA
* 41089-6WP	4.73 EA	82133	72		----	20	6	1	5.91 EA
* 41090-SMG	3.57 EA	85060	72		----	25	3	1	4.46 EA
* 41090-SMI	3.57 EA	85058	72		----	25	3	1	4.46 EA
* 41090-SMW	3.57 EA	85059	72		----	25	3	1	4.46 EA
41100-HLD	1.71 EA	94682	72		----	10	1	1	2.14 EA
* 41106-RA6	2.07 EA	83426	72		S8	50	2	1	2.59 EA
* 41106-RB6	2.07 EA	83422	72		S8	50	2	1	2.59 EA
* 41106-RC6	2.21 EA	97748	72		----	50	2	1	2.76 EA
* 41106-RE6	2.07 EA	83425	72		S8	50	2	1	2.59 EA
* 41106-RG6	2.07 EA	83424	72		S8	50	2	1	2.59 EA
* 41106-RI6	2.07 EA	83421	72		S8	50	1	1	2.59 EA
* 41106-RL6	2.07 EA	83429	72		S8	50	2	1	2.59 EA
* 41106-RO6	2.07 EA	83428	72		S8	50	2	1	2.59 EA
* 41106-RP6	2.07 EA	83983	72		S8	50	2	1	2.59 EA
* 41106-RR6	2.07 EA	83427	72		S8	50	2	1	2.59 EA
* 41106-RV6	2.07 EA	83982	72		S8	50	1	1	2.59 EA
* 41106-RW6	2.07 EA	83423	72		S8	50	2	1	2.59 EA
* 41106-RY6	2.07 EA	83430	72		S8	50	2	1	2.59 EA
* 41108-KA3	2.07 EA	83446	72		S8	50	2	1	2.59 EA
* 41108-KA5	3.25 EA	82665	72		S8	50	2	1	4.06 EA
* 41108-KB3	2.07 EA	83442	72		S8	50	2	1	2.59 EA
* 41108-KB5	3.25 EA	82661	72		S8	50	2	1	4.06 EA
* 41108-KC3	2.54 EA	97744	72		----	50	2	1	3.18 EA
* 41108-KC5	3.25 EA	97746	72		----	50	1	1	4.06 EA
* 41108-KE3	2.07 EA	83445	72		S8	50	2	1	2.59 EA
* 41108-KE5	3.25 EA	82664	72		S8	50	2	1	4.06 EA
* 41108-KG3	2.07 EA	83444	72		S8	50	2	1	2.59 EA
* 41108-KG5	3.25 EA	82663	72		S8	50	2	1	4.06 EA
* 41108-KI3	2.07 EA	83441	72		S8	50	1	1	2.59 EA
* 41108-KI5	3.25 EA	82660	72		S8	50	1	1	4.06 EA
* 41108-KL3	2.07 EA	83449	72		S8	50	2	1	2.59 EA
* 41108-KL5	3.25 EA	82668	72		S8	50	2	1	4.06 EA
* 41108-KO3	2.07 EA	83448	72		S8	50	2	1	2.59 EA
* 41108-KO5	3.25 EA	82667	72		S8	50	2	1	4.06 EA
* 41108-KP3	2.07 EA	83987	72		S8	50	2	1	2.59 EA
* 41108-KP5	3.25 EA	83990	72		S8	50	1	1	4.06 EA
* 41108-KR3	2.07 EA	83447	72		S8	50	2	1	2.59 EA
* 41108-KR5	3.25 EA	82666	72		S8	50	2	1	4.06 EA
* 41108-KV3	2.07 EA	83986	72		S8	50	2	1	2.59 EA
* 41108-KV5	3.25 EA	83989	72		S8	50	1	1	4.06 EA
* 41108-KW3	2.07 EA	83443	72		S8	50	2	1	2.59 EA
* 41108-KW5	3.25 EA	82662	72		S8	50	2	1	4.06 EA
* 41108-KY3	2.07 EA	83450	72		S8	50	2	1	2.59 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
* 41108-KY5	3.25 EA	82669		72	S8	50	2	1	4.06 EA
* 41108-RA3	2.07 EA	83436		72	S8	50	2	1	2.59 EA
* 41108-RA5	3.25 EA	82655		72	S8	50	2	1	4.06 EA
* 41108-RA8	2.07 EA	83456		72	S8	50	2	1	2.59 EA
* 41108-RB3	2.07 EA	83432		72	S8	50	2	1	2.59 EA
* 41108-RB5	3.25 EA	82651		72	S8	50	2	1	4.06 EA
* 41108-RB8	2.07 EA	83452		72	S8	50	2	1	2.59 EA
* 41108-RC3	2.54 EA	97743		72	----	50	2	1	3.18 EA
* 41108-RC5	3.25 EA	97745		72	----	50	1	1	4.06 EA
* 41108-RC8	2.54 EA	97747		72	----	50	2	1	3.18 EA
* 41108-RE3	2.07 EA	83435		72	S8	50	1	1	2.59 EA
* 41108-RE5	3.25 EA	82654		72	S8	50	2	1	4.06 EA
* 41108-RE8	2.07 EA	83455		72	S8	50	2	1	2.59 EA
* 41108-RG3	2.07 EA	83434		72	S8	50	1	1	2.59 EA
* 41108-RG5	3.25 EA	82653		72	S8	50	1	1	4.06 EA
* 41108-RG8	2.07 EA	83454		72	S8	50	2	1	2.59 EA
* 41108-RI3	2.07 EA	83431		72	S8	50	1	1	2.59 EA
* 41108-RI5	3.25 EA	82650		72	S8	50	1	1	4.06 EA
* 41108-RI8	2.07 EA	83451		72	S8	50	1	1	2.59 EA
* 41108-RL3	2.07 EA	83439		72	S8	50	1	1	2.59 EA
* 41108-RL5	3.25 EA	82658		72	S8	50	2	1	4.06 EA
* 41108-RL8	2.07 EA	83459		72	S8	50	1	1	2.59 EA
* 41108-RO3	2.07 EA	83438		72	S8	50	1	1	2.59 EA
* 41108-RO5	3.25 EA	82657		72	S8	50	2	1	4.06 EA
* 41108-RO8	2.07 EA	83458		72	S8	50	2	1	2.59 EA
* 41108-RP3	2.07 EA	83985		72	S8	50	2	1	2.59 EA
* 41108-RP5	3.25 EA	83988		72	S8	50	1	1	4.06 EA
* 41108-RP8	2.07 EA	83981		72	S8	50	2	1	2.59 EA
* 41108-RR3	2.07 EA	83437		72	S8	50	1	1	2.59 EA
* 41108-RR5	3.25 EA	82656		72	S8	50	1	1	4.06 EA
* 41108-RR8	2.07 EA	83457		76	S8	50	1	1	2.59 EA
* 41108-RV3	2.07 EA	83984		72	S8	50	1	1	2.59 EA
* 41108-RV5	3.25 EA	83670		72	S8	50	1	1	4.06 EA
* 41108-RV8	2.07 EA	83980		72	S8	50	2	1	2.59 EA
* 41108-RW3	2.07 EA	83433		72	S8	50	1	1	2.59 EA
* 41108-RW5	3.25 EA	82652		72	S8	50	2	1	4.06 EA
* 41108-RW8	2.07 EA	83453		72	S8	50	2	1	2.59 EA
* 41108-RY3	2.07 EA	83440		72	S8	50	2	1	2.59 EA
* 41108-RY5	3.25 EA	82659		72	S8	50	1	1	4.06 EA
* 41108-RY8	2.07 EA	83460		72	S8	50	2	1	2.59 EA
41140-VCM	12.14 EA	04010		72	----	10	2	1	15.18 EA
41150-19	23.43 EA	97692		72	----	5	5	1	29.29 EA
41188-SM1	35.00 EA	97708		72	----	1	1	----	43.75 EA
* 41194-IQ	10.66 EA	79214		72	S12	50	14	1	13.33 EA
* 41198-IQ	15.04 EA	80134		72	S12	50	17	1	18.80 EA
* 41198-KIQ	17.92 EA	80142		72	S12	50	16	1	22.40 EA
* 41198-SIQ	18.73 EA	80138		72	S12	50	17	1	23.41 EA
41225-SAP	11.28 EA	03575		72	----	20	3	1	14.10 EA
* 41290-DME	3.86 EA	86401		72	----	25	3	1	4.83 EA
* 41290-DMG	3.86 EA	86400		72	----	25	3	1	4.83 EA
* 41290-DMI	3.86 EA	86398		72	----	25	3	1	4.83 EA
* 41290-DMW	3.86 EA	86399		72	----	25	3	1	4.83 EA
* 41290-DRE	4.29 EA	94195		72	----	25	3	1	5.36 EA
* 41290-DRG	4.29 EA	94194		72	----	25	3	1	5.36 EA
* 41290-DRI	4.29 EA	94192		72	----	25	3	1	5.36 EA
* 41290-DRW	4.29 EA	94193		72	----	25	3	1	5.36 EA
* 41290-SME	1.50 EA	86397		72	----	25	2	1	1.88 EA
* 41290-SMG	1.50 EA	86396		72	----	25	2	1	1.88 EA
* 41290-SMI	1.50 EA	86394		72	----	25	2	1	1.88 EA
* 41290-SMW	1.50 EA	86395		72	----	25	2	1	1.88 EA
* 41291-PCE	20.87 EA	94953		77	----	25	1	1	26.09 EA
* 41291-PCG	20.87 EA	94952		77	----	25	1	1	26.09 EA
* 41291-PCI	20.87 EA	94950		77	----	25	1	1	26.09 EA
* 41291-PCW	20.87 EA	94951		77	----	25	1	1	26.09 EA
* 41291-1BE	0.69 EA	86427		72	----	25	1	1	0.86 EA
* 41291-1BG	0.69 EA	86426		72	----	25	1	1	0.86 EA
* 41291-1BI	0.69 EA	86424		72	----	25	1	1	0.86 EA
* 41291-1BW	0.69 EA	86425		72	----	25	1	1	0.86 EA
41291-1MB	2.40 EA	05233		77	----	25	1	1	3.00 EA
41291-1MG	2.40 EA	05232		77	----	25	1	1	3.00 EA
41291-1MI	2.40 EA	05230		77	----	25	1	1	3.00 EA
41291-1MW	2.40 EA	05231		77	----	25	1	1	3.00 EA
41291-1RE	13.30 EA	96548		72	----	25	1	1	16.63 EA
41291-1RG	13.30 EA	96547		72	----	25	1	1	16.63 EA
41291-1RI	13.30 EA	96545		72	----	25	1	1	16.63 EA
41291-1RW	13.30 EA	96546		72	----	25	1	1	16.63 EA
41291-1VE	15.11 EA	96544		72	----	25	1	1	18.89 EA
41291-1VG	15.11 EA	96543		72	----	25	1	1	18.89 EA
41291-1VI	15.11 EA	96541		72	----	25	1	1	18.89 EA
41291-1VW	15.11 EA	96542		72	----	25	1	1	18.89 EA
* 41291-2CE	24.64 EA	86419		77	----	25	1	1	30.80 EA
* 41291-2CG	24.64 EA	86417		77	----	25	1	1	30.80 EA
* 41291-2CI	24.64 EA	86414		77	----	25	1	1	30.80 EA
* 41291-2CW	24.64 EA	86416		77	----	25	1	1	30.80 EA
* 41291-2QE	0.87 EA	86409		72	----	25	1	1	1.09 EA
* 41291-2QG	0.87 EA	86407		72	----	25	1	1	1.09 EA
* 41291-2QI	0.87 EA	86402		72	----	25	1	1	1.09 EA
* 41291-2QW	0.87 EA	86404		72	----	25	1	1	1.09 EA
* 41291-2TE	11.00 EA	86413		77	----	25	1	1	13.75 EA
* 41291-2TG	11.00 EA	86412		77	----	25	1	1	13.75 EA
* 41291-2TI	11.00 EA	86410		77	----	25	1	1	13.75 EA
* 41291-2TW	11.00 EA	86411		77	----	25	1	1	13.75 EA
* 41292-PCE	21.24 EA	94972		72	----	25	1	1	26.55 EA
* 41292-PCG	21.24 EA	94971		72	----	25	1	1	26.55 EA
* 41292-PCI	21.24 EA	94967		77	----	25	1	1	26.55 EA
* 41292-PCW	21.24 EA	94970		77	----	25	1	1	26.55 EA
* 41292-TRE	0.88 EA	86710		72	----	25	1	1	1.10 EA
* 41292-TRG	0.88 EA	86709		72	----	25	1	1	1.10 EA
* 41292-TRW	0.88 EA	86708		72	----	25	1	1	1.10 EA
* 41292-2BE	0.81 EA	86439		72	----	25	1	1	1.01 EA
* 41292-2BG	0.81 EA	86438		72	----	25	1	1	1.01 EA
* 41292-2BI	0.81 EA	86436		72	----	25	1	1	1.01 EA
* 41292-2BW	0.81 EA	86437		72	----	25	1	1	1.01 EA
* 41292-2CE	25.00 EA	86435		72	----	25	1	1	31.25 EA
* 41292-2CG	25.00 EA	86434		77	----	25	1	1	31.25 EA
* 41292-2CI	25.00 EA	86432		77	----	25	1	1	31.25 EA
* 41292-2CW	25.00 EA	86433		77	----	25	1	1	31.25 EA
* 41292-2TE	11.00 EA	86431		77	----	25	2	1	13.75 EA
* 41292-2TG	11.00 EA	86430		72	----	25	2	1	13.75 EA
* 41292-2TI	11.00 EA	86428		77	----	25	2	1	13.75 EA
* 41292-2TW	11.00 EA	86429		77	----	25	2	1	13.75 EA
* 41293-PCE	41.54 EA	94845		77	----	25	2	1	51.93 EA
* 41293-PCG	41.54 EA	94844		77	----	25	2	1	51.93 EA
* 41293-PCI	41.54 EA	94842		77	----	25	2	1	51.93 EA
* 41293-PCW	41.54 EA	94843		77	----	25	2	1	51.93 EA
* 41293-4CE	47.26 EA	86447		72	----	25	2	1	59.08 EA
* 41293-4CG	47.26 EA	86446		77	----	25	2	1	59.08 EA
* 41293-4CI	47.26 EA	86444		77	----	25	2	1	59.08 EA
* 41293-4CW	47.26 EA	86445		77	----	25	2	1	59.08 EA
* 41293-4TE	21.86 EA	86443		77	----	25	3	1	27.33 EA
* 41293-4TG	21.86 EA	86442		72	----	25	3	1	27.33 EA
* 41293-4TI	21.86 EA	86440		77	----	25	3	1	27.33 EA
* 41293-4TW	21.86 EA	86441		77	----	25	3	1	27.33 EA
* 41294-PCE	21.10 EA	94762		77	----	25	1	1	26.38 EA
* 41294-PCG	21.10 EA	94760		77	----	25	1	1	26.38 EA
* 41294-PCI	21.10 EA	94752		77	----	25	1	1	26.38 EA
* 41294-PCW	21.10 EA	94757		77	----	25	1	1	26.38 EA
* 41294-2BE	0.69 EA	94191		72	----	25	1	1	0.86 EA
* 41294-2BG	0.69 EA	94190		72	----	25	1	1	0.86 EA
* 41294-2BI	0.69 EA	94187		72	----	25	1	1	0.86 EA
* 41294-2BW	0.69 EA	94188		72	----	25	1	1	0.86 EA
* 41294-2CE	24.54 EA	94162		77	----	25	1	1	30.68 EA
* 41294-2CG	24.54 EA	94161		77	----	25	1	1	30.68 EA
* 41294-2CI	24.54 EA	94159		77	----	25	1	1	30.68 EA
* 41294-2CW	24.54 EA	94160		77	----	25	1	1	30.68 EA
* 41294-2QE	0.87 EA	94143		72	----	25	1	1	1.09 EA
* 41294-2QG	0.87 EA	94142		72	----	25	1	1	1.09 EA
* 41294-2QI	0.87 EA	94140		72	----	25	1	1	1.09 EA
* 41294-2QW	0.87 EA	94141		72	----	25	1	1	1.09 EA
* 41294-2TE	11.00 EA	94158		77	----	25	1	1	13.75 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

	Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
*	41294-2TG	11.00 EA	94157		77	----	25	1	1	13.75 EA
*	41294-2TI	11.00 EA	94155		77	----	25	1	1	13.75 EA
*	41294-2TW	11.00 EA	94156		77	----	25	1	1	13.75 EA
	41295-5BE	2.40 EA	05084		77	----	25	1	1	3.00 EA
	41295-5BG	2.40 EA	05083		77	----	25	1	1	3.00 EA
	41295-5BI	2.40 EA	05081		77	----	25	1	1	3.00 EA
	41295-5BW	2.40 EA	05082		77	----	25	1	1	3.00 EA
*	41296-MME	10.57 EA	86511		72	----	10	8	1	13.21 EA
*	41296-MMG	10.57 EA	86510		72	----	10	8	1	13.21 EA
*	41296-MMI	10.57 EA	86492		72	----	10	6	1	13.21 EA
*	41296-MMW	10.57 EA	86509		72	----	10	8	1	13.21 EA
*	41360-IDI	5.13 EA	78980		72	S3	50	6	1	6.41 EA
*	41361-IDI	5.21 EA	78756		72	S3	50	5	1	6.51 EA
*	41364-IDG	4.50 EA	78233		72	S3	50	5	1	5.63 EA
*	41364-IDI	4.50 EA	78229		72	S3	50	5	1	5.63 EA
*	41364-IDW	4.50 EA	78231		72	S3	50	5	1	5.63 EA
*	41365-IDI	5.06 EA	78271		72	S3	50	5	1	6.33 EA
*	41366-IDG	4.83 EA	78239		72	S3	50	5	1	6.04 EA
*	41366-IDI	4.83 EA	78235		72	S3	50	5	1	6.04 EA
*	41366-IDW	4.83 EA	78237		72	S3	50	5	1	6.04 EA
*	41367-IDI	5.21 EA	78253		72	S3	50	6	1	6.51 EA
*	41367-IDW	5.21 EA	78255		72	S3	50	4	1	6.51 EA
*	41368-IDI	4.84 EA	78241		72	S3	50	5	1	6.05 EA
*	41600-I	76.21 EA	10532		72	----	20	14	1	95.26 EA
*	41610-I	95.82 EA	10533		72	----	20	14	1	119.78 EA
*	41620-I	90.47 EA	10534		72	----	20	15	1	113.09 EA
	41642-A	2.78 EA	80062		72	S7	20	1	1	3.48 EA
	41642-B	2.78 EA	80058		72	----	20	1	1	3.48 EA
	41642-E	2.78 EA	80061		72	S7	20	1	1	3.48 EA
	41642-GY	2.78 EA	80060		72	S7	20	1	1	3.48 EA
	41642-I	2.78 EA	80057		72	S7	20	1	1	3.48 EA
	41642-W	2.78 EA	80059		72	S7	20	1	1	3.48 EA
*	41643-A	2.78 EA	01377		72	----	20	1	1	3.48 EA
*	41643-B	2.78 EA	01373		72	----	20	1	1	3.48 EA
*	41643-E	2.78 EA	01376		72	----	20	1	1	3.48 EA
*	41643-GY	2.78 EA	01375		72	----	20	1	1	3.48 EA
*	41643-I	2.78 EA	01372		72	----	20	1	1	3.48 EA
*	41643-W	2.78 EA	01374		72	----	20	1	1	3.48 EA
*	41644-A	2.78 EA	01383		72	----	20	1	1	3.48 EA
*	41644-B	2.78 EA	01379		72	----	20	1	1	3.48 EA
*	41644-E	2.78 EA	01382		72	----	20	1	1	3.48 EA
*	41644-GY	2.78 EA	01381		72	----	20	1	1	3.48 EA
*	41644-I	2.78 EA	01378		72	----	20	1	1	3.48 EA
*	41644-W	2.78 EA	01380		72	----	20	1	1	3.48 EA
*	41646-A	2.78 EA	01389		72	----	20	1	1	3.48 EA
*	41646-B	2.78 EA	01385		72	----	20	1	1	3.48 EA
*	41646-E	2.78 EA	01388		72	----	20	1	1	3.48 EA
*	41646-GY	2.78 EA	01387		72	----	20	1	1	3.48 EA
*	41646-I	2.78 EA	01384		72	----	20	1	1	3.48 EA
*	41646-W	2.78 EA	01386		72	----	20	1	1	3.48 EA
	41650-F	1,236.00	86505	A	40	S8	10	5	1	1,757.50
	41650-6	1,236.00	86504	A	40	S8	10	5	1	1,757.50
	41652	1,236.00	86508	A	40	S8	10	5	1	1,757.50
	41652-6	2,163.00	86506	A	40	S8	10	5	1	3,075.70
	41652-6F	2,163.00	86507	A	40	S8	10	5	1	3,075.70
	41658-I	6.00 EA	80069		71	S7	20	2	1	7.50 EA
	41658-W	6.00 EA	80070		71	S7	20	2	1	7.50 EA
	41666-I	6.74 EA	80063		71	S7	20	2	1	8.43 EA
	41666-W	6.74 EA	80064		71	S7	20	2	1	8.43 EA
	41668-I	6.74 EA	80067		71	S7	20	2	1	8.43 EA
	41668-W	6.74 EA	80068		71	S7	20	2	1	8.43 EA
	41688-I	6.74 EA	80065		71	S7	20	2	1	8.43 EA
	41688-W	6.74 EA	80066		71	S7	20	2	1	8.43 EA
	41880-EXT	33.28 EA	94720		72	----	1	5	----	41.60 EA
	41880-300	47.86 EA	94719		72	----	1	7	----	59.83 EA
*	42080-1EP	2.76 EA	95134		72	----	25	3	1	3.45 EA
*	42080-1ES	1.22 EA	97818		72	----	25	2	1	1.53 EA
*	42080-1GP	2.76 EA	95133		72	----	25	3	1	3.45 EA
*	42080-1GS	1.22 EA	97817		72	----	25	2	1	1.53 EA
*	42080-1IP	2.76 EA	95131		72	----	25	3	1	3.45 EA
*	42080-1IS	1.22 EA	97815		72	----	25	2	1	1.53 EA
*	42080-1WP	2.76 EA	95132		72	----	25	3	1	3.45 EA
*	42080-1WS	1.22 EA	97816		72	----	25	2	1	1.53 EA
*	42080-12E	2.93 EA	95466		72	----	25	3	1	3.66 EA
*	42080-12G	2.93 EA	95465		72	----	25	3	1	3.66 EA
*	42080-12I	2.93 EA	95463		72	----	25	3	1	3.66 EA
*	42080-12W	2.93 EA	95464		72	----	25	3	1	3.66 EA
*	42080-2EP	2.76 EA	95138		72	----	25	3	1	3.45 EA
*	42080-2ES	1.22 EA	97823		72	----	25	2	1	1.53 EA
*	42080-2GP	2.76 EA	95137		72	----	25	4	1	3.45 EA
*	42080-2GS	1.22 EA	97822		72	----	25	2	1	1.53 EA
*	42080-2IP	2.76 EA	95135		72	----	25	3	1	3.45 EA
*	42080-2IS	1.22 EA	97819		72	----	25	2	1	1.53 EA
*	42080-2WP	2.76 EA	95136		72	----	25	4	1	3.45 EA
*	42080-2WS	1.22 EA	97820		72	----	25	2	1	1.53 EA
*	42080-3EP	2.93 EA	95151		72	----	25	3	1	3.66 EA
*	42080-3ES	1.22 EA	97827		72	----	25	2	1	1.53 EA
*	42080-3GP	2.93 EA	95141		72	----	25	3	1	3.66 EA
*	42080-3GS	1.22 EA	97826		72	----	25	2	1	1.53 EA
*	42080-3IP	2.93 EA	95139		72	----	25	3	1	3.66 EA
*	42080-3IS	1.22 EA	97824		72	----	25	2	1	1.53 EA
*	42080-3WP	2.93 EA	95140		72	----	25	3	1	3.66 EA
*	42080-3WS	1.22 EA	97825		72	----	25	2	1	1.53 EA
*	42080-4EP	2.93 EA	95155		72	----	25	3	1	3.66 EA
*	42080-4ES	1.22 EA	97836		72	----	25	2	1	1.53 EA
*	42080-4GP	2.93 EA	95154		72	----	25	3	1	3.66 EA
*	42080-4GS	1.22 EA	97831		72	----	25	2	1	1.53 EA
*	42080-4IP	2.93 EA	95152		72	----	25	3	1	3.66 EA
*	42080-4IS	1.22 EA	97828		72	----	25	2	1	1.53 EA
*	42080-4WP	2.93 EA	95153		72	----	25	3	1	3.66 EA
*	42080-4WS	1.22 EA	97829		72	----	25	2	1	1.53 EA
*	42080-6EP	2.93 EA	95159		72	----	25	4	1	3.66 EA
*	42080-6ES	1.22 EA	97841		72	----	25	2	1	1.53 EA
*	42080-6GP	2.93 EA	95158		72	----	25	3	1	3.66 EA
*	42080-6GS	1.22 EA	97839		72	----	25	2	1	1.53 EA
*	42080-6IP	2.93 EA	95156		72	----	25	3	1	3.66 EA
*	42080-6IS	1.22 EA	97837		72	----	25	2	1	1.53 EA
*	42080-6WP	2.93 EA	95157		72	----	25	3	1	3.66 EA
*	42080-6WS	1.22 EA	97838		72	----	25	2	1	1.53 EA
*	42080-8EP	2.93 EA	95163		72	----	25	3	1	3.66 EA
*	42080-8GP	2.93 EA	95162		72	----	25	3	1	3.66 EA
*	42080-8IP	2.93 EA	95160		72	----	25	4	1	3.66 EA
*	42080-8WP	2.93 EA	95161		72	----	25	3	1	3.66 EA
*	42120-DY3	344.30 EA	84658	B	97	R10	4	17	1	573.60 EA
*	42120-1	324.50 EA	84657	B	97	R10	4	17	1	540.60 EA
*	42277-DY3	389.40 EA	84660	B	97	R10	4	18	1	648.70 EA
	42330-1MI	30.03 /M	14072		70	S23	1000	10	1	37.54 /M
	42330-5CI	32.90 /M	43000		70	S23	500	5	1	41.13 /M
*	42347-DY3	389.40 EA	86554	B	97	R9	4	18	1	648.70 EA
	42400-G	0.76 EA	43011		70	S24	50	1	1	0.95 EA
	42404-5CS	70.40 /M	10537		70	S23	2000	25	Bulk	88.00 /M
*	42412-DS3	344.30 EA	86488	B	97	R9	4	18	1	573.60 EA
	42530-1MI	41.45 /M	43003		70	S23	1000	13	1	51.81 /M
	42531-1MI	38.75 /M	79424		70	S23	1000	10	1	48.44 /M
*	42777-1EA	2.40 EA	96361		72	----	10	3	1	3.00 EA
*	42777-1EB	2.40 EA	96357		72	----	10	2	1	3.00 EA
*	42777-1GA	2.40 EA	96360		72	----	10	3	1	3.00 EA
*	42777-1GB	2.40 EA	96355		72	----	10	2	1	3.00 EA
*	42777-1IA	2.40 EA	96358		72	----	10	3	1	3.00 EA
*	42777-1IB	2.40 EA	96353		72	----	10	2	1	3.00 EA
*	42777-1WA	2.40 EA	96359		72	----	10	3	1	3.00 EA
*	42777-1WB	2.40 EA	96354		72	----	10	2	1	3.00 EA
*	42777-2EA	4.57 EA	95377		72	----	10	4	1	5.71 EA
*	42777-2EB	4.57 EA	95373		72	----	10	3	1	5.71 EA
*	42777-2GA	4.57 EA	95376		72	----	10	4	1	5.71 EA
*	42777-2GB	4.57 EA	95371		72	----	10	3	1	5.71 EA
*	42777-2IA	4.57 EA	95374		72	----	10	4	1	5.71 EA
*	42777-2IB	4.57 EA	95355		72	----	10	3	1	5.71 EA
*	42777-2WA	4.57 EA	95375		72	----	10	3	1	5.71 EA
*	42777-2WB	4.57 EA	95370		72	----	10	3	1	5.71 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
42820-1MI	32.73 /M	14074		70	----	1000	10	1	40.91 /M
42830-1MI	42.75 /M	14075		70	S23	1000	14	1	53.44 /M
42840-1MI	53.95 /M	14076		70	----	1000	18	1	67.44 /M
* 42843-1MW	45.00 /M	96484		70	----	1000	20	Bulk	56.25 /M
* 42845-1ML	102.67 /M	96483		70	----	1000	25	Bulk	128.34 /M
43020-1MI	43.80 /M	14077		70	S23	1000	14	1	54.75 /M
43030-1MI	59.95 /M	14078		70	----	1000	19	1	74.94 /M
43040-1MI	79.95 /M	14079		70	S23	1000	24	1	99.94 /M
43105-5	10.00 EA	97697		72	----	25	3	1	12.50 EA
43108-8	14.29 EA	97699		72	----	25	4	1	17.86 EA
43112-12	25.00 EA	97700		72	----	25	5	1	31.25 EA
43115-15	13.57 EA	97706		72	----	25	4	1	16.96 EA
43115-75	50.00 EA	04011		72	----	10	1	1	62.50 EA
45224-RCS	15.71 EA	04012		72	----	20	7	1	19.64 EA
46666-BT	18.60 EA	12357		75	S22	10	2	Bulk	23.25 EA
46666-BTB	12.25 EA	12536		75	S22	50	1	1	15.31 EA
46666-BTS	6.48 EA	12623		75	S22	50	2	1	8.10 EA
46700-SLG	68.57 EA	04009		72	----	1	4	----	85.71 EA
* 47120-4X7	1,158.80 EA	01290	B	97	----	1	12	Bulk	1,930.50 EA
* 47120-7	1,158.80 EA	95087	B	97	----	1	11	Bulk	1,930.50 EA
* 47277-7	1,545.00 EA	95089	B	97	----	1	13	Bulk	2,573.90 EA
47601-B	462.00 EA	96759		71	----	1	5	Bulk	577.50 EA
47601-C	135.00 EA	96760		71	----	1	4	Bulk	168.75 EA
47602-BKE	13.27 EA	01130		71	----	10	10	1	16.59 EA
47602-24E	65.00 EA	01126		71	----	1	22	----	81.25 EA
47603-AHT	92.13 EA	03186		73	----	4	9	1	115.16 EA
47603-ASO	123.25 EA	03187		73	----	4	10	1	154.06 EA
47603-BHN	69.20 EA	03512		73	----	4	8	1	86.50 EA
47603-BTV	48.00 EA	03188		73	----	4	8	1	60.00 EA
47603-C5	22.60 EA	03638		73	----	4	1	1	28.25 EA
47603-110	22.60 EA	04834		73	----	4	1	1	28.25 EA
47603-18P	145.60 EA	04888		73	----	4	9	1	182.00 EA
47603-24P	167.93 EA	04882		73	----	4	9	1	209.91 EA
47604-AHT	121.33 EA	03520		73	----	1	9	Bulk	151.66 EA
47604-ASO	153.33 EA	03521		73	----	1	9	Bulk	191.66 EA
47604-BHN	97.27 EA	03516		73	----	1	9	Bulk	121.59 EA
47604-BTV	74.67 EA	03515		73	----	1	9	Bulk	93.34 EA
47604-CR	69.35 EA	03513		73	----	1	10	----	86.69 EA
47605-ACN	13.00 EA	05482		73	----	10	9	1	16.25 EA
47605-ACS	23.00 EA	05483		73	----	10	9	1	28.75 EA
47605-AHT	158.88 EA	03533		73	----	1	13	Bulk	198.60 EA
47605-ASO	179.55 EA	03534		73	----	1	13	Bulk	224.44 EA
47605-BHN	129.39 EA	03532		73	----	1	13	Bulk	161.74 EA
47605-BTV	105.33 EA	03522		73	----	1	12	Bulk	131.66 EA
47605-C5B	34.67 EA	04872		73	----	4	2	1	43.34 EA
47605-DP	62.04 EA	04931		73	----	1	2	Bulk	77.55 EA
47605-EH	64.75 EA	04667		74	----	4	6	1	80.94 EA
47605-14W	45.27 EA	03181		71	----	2	24	1	56.58 EA
47605-28W	64.00 EA	04609		71	----	1	19	Bulk	98.10 EA
47605-42W	95.70 EA	04610		74	----	1	28	Bulk	149.10 EA
47608-A	240.00 EA	96710		73	----	1	2	Bulk	300.00 EA
47608-B	260.00 EA	05199		73	----	1	2	----	325.00 EA
47610-2	3.75 EA	96497		71	----	20	1	Bulk	4.69 EA
47610-3	4.75 EA	96498		71	----	20	6	Bulk	5.94 EA
47614-W	146.67 EA	96711		71	----	1	2	----	183.34 EA
47620-1W	1.80 EA	96492		71	----	50	5	1	2.25 EA
47620-3W	2.00 EA	96493		71	----	50	5	1	2.50 EA
47621-CMS	96.00 EA	05484		73	----	4	4	1	120.00 EA
47621-MIE	15.70 EA	05491		73	----	25	2	1	19.63 EA
47633-T	40.00 EA	96715		71	----	20	5	1	50.00 EA
47650-B8	45.00 EA	96709		71	----	20	5	1	56.25 EA
47650-N8	57.00 EA	96753		71	----	20	8	1	71.25 EA
47650-110	44.00 EA	96754		71	----	20	7	1	55.00 EA
47652-QP	8.80 EA	96721		71	----	20	3	1	11.00 EA
47689-B	33.38 EA	04874		71	----	4	2	1	41.73 EA
47689-B8	65.00 EA	96718		71	----	1	1	----	81.25 EA
47689-N8	77.00 EA	96752		71	----	1	1	----	96.25 EA
47689-QP	16.00 EA	96716		71	----	1	1	----	20.00 EA
47689-110	64.00 EA	96717		71	----	1	1	----	80.00 EA
47690-NFA	21.50 EA	05485		71	----	25	6	1	26.88 EA
47690-110	18.00 EA	96755		71	----	1	1	----	22.50 EA
47690-38B	185.33 EA	04657		74	----	4	16	1	232.90 EA
47690-4C	17.33 EA	04663		71	----	6	4	1	21.66 EA
47690-6C	21.33 EA	04662		71	----	6	1	1	26.66 EA
47690-6S	13.60 EA	04658		71	----	50	3	25	17.00 EA
47690-8C	25.33 EA	04656		71	----	6	1	1	31.66 EA
48210-DSM	354.00 EA	05486		73	----	2	8	1	442.50 EA
48210-MCH	200.00 EA	05478		74	----	1	2	Bulk	252.00 EA
48210-MRU	60.00 EA	05488		74	----	1	1	----	80.00 EA
48210-MSU	65.00 EA	05489		74	----	1	1	----	90.00 EA
48210-SRU	125.00 EA	05487		74	----	1	2	----	170.00 EA
48210-VA	32.45 EA	04836		71	----	4	8	1	40.56 EA
48211-AVC	25.00 EA	05470		74	----	4	2	1	34.00 EA
48211-AVK	164.00 EA	05467		74	----	1	3	Bulk	220.00 EA
48211-IVC	25.00 EA	05468		74	----	4	2	1	34.00 EA
48211-IVK	164.00 EA	05479		74	----	1	3	Bulk	220.00 EA
48211-WVC	25.00 EA	05469		74	----	4	2	1	34.00 EA
48211-WVK	164.00 EA	05480		74	----	1	3	Bulk	220.00 EA
48211-6A	37.33 EA	05490		71	----	6	5	1	46.66 EA
48212-DCS	43.00 EA	05471		73	----	6	9	1	55.00 EA
48213-ADC	173.33 EA	05477		74	----	2	3	1	216.66 EA
48213-CVS	200.00 EA	05473		74	----	6	16	1	250.00 EA
48213-ECC	186.94 EA	05474		74	----	5	8	1	233.68 EA
48213-IDC	173.33 EA	05475		74	----	2	3	1	216.66 EA
48213-VMA	220.00 EA	05472		74	----	5	13	1	275.00 EA
48213-WDC	173.33 EA	05476		74	----	2	3	1	216.66 EA
48567-MMA	7.48 EA	04668		73	----	4	2	1	9.35 EA
48642	120.20	32780	C	30	H13	250	13	25	240.40
48643	113.10	32785	B	30	H13	250	11	25	188.40
48643-E	113.10	32786	B	30	H13	250	11	25	188.40
48643-W	113.10	32787	B	30	H13	250	12	25	188.40
48646	181.60	32790	B	30	H13	100	9	10	302.50
48648	248.60	32795	B	30	H14	100	10	10	414.10
48900-FR	65.71 EA	97705		72	----	5	25	1	82.14 EA
48900-IFR	24.29 EA	04007		72	----	10	12	1	30.36 EA
49001-JOE	115.00 EA	98047		73	----	1	5	----	143.75 EA
49103-IDC	0.43 EA	79247		72	----	500	6	10	0.54 EA
49104-IDC	0.47 EA	79248		72	----	500	7	10	0.59 EA
49104-I50	0.46 EA	94830		72	----	500	6	50	0.58 EA
49105-IDC	0.55 EA	79249		72	----	500	3	10	0.69 EA
49111-QIA	76.05 EA	12992		72	----	1	2	----	95.06 EA
49112-QIA	70.46 EA	12993		72	----	1	2	----	88.08 EA
49114-QIA	64.53 EA	80419		72	----	1	2	----	80.66 EA
49200-M	0.78 EA	12994		72	S4	100	4	20	0.98 EA
49222-BLK	3.56 EA	77202		72	S4	50	8	1	4.45 EA
49222-ESP	4.29 EA	80545		72	----	50	10	1	5.36 EA
49222-HAO	4.29 EA	80546		72	----	50	8	1	5.36 EA
* 49251-W62	38.40 EA	84063		72	----	1	2	----	48.00 EA
* 49251-W63	42.05 EA	84064		72	----	1	3	----	52.56 EA
* 49251-W64	47.54 EA	84065		72	----	1	4	----	59.43 EA
* 49252-PCM	55.29 EA	84843		72	----	1	5	----	69.11 EA
* 49252-PO1	42.98 EA	80425		72	----	1	2	----	53.73 EA
* 49252-PO2	45.72 EA	84809		72	----	1	3	----	57.15 EA
* 49253-BCM	29.57 EA	84811		72	----	1	3	----	36.96 EA
* 49253-LPM	25.07 EA	84810		72	----	1	2	----	31.34 EA
49254-BP1	21.03 EA	80427		72	----	1	1	----	26.29 EA
49254-BP2	23.78 EA	80428		72	----	1	1	----	29.73 EA
49254-BP4	32.91 EA	80429		72	----	1	1	----	41.14 EA
49255-H24	47.14 EA	98243		72	----	1	2	----	58.93 EA
49255-H48	64.29 EA	98244		72	----	1	3	----	80.36 EA
* 49255-Q24	38.57 EA	83712		72	----	1	3	----	48.21 EA
* 49255-Q32	44.28 EA	83713		72	----	1	3	----	55.35 EA
* 49255-Q89	13.97 EA	85616		72	----	10	4	1	17.46 EA
49257-I24	2.28 EA	83500		72	----	50	2	1	2.85 EA
49257-I32	3.25 EA	83501		72	----	50	1	1	4.06 EA
49257-QID	3.25 EA	83714		72	----	50	6	1	4.06 EA
* 49258-TWB	9.22 EA	84844		72	----	10	7	1	11.53 EA
* 49260-MR3	16.33 EA	84848		72	----	10	6	1	20.41 EA
* 49260-MR6	18.77 EA	84846		72	----	10	9	1	23.46 EA
* 49261-BKT	5.57 EA	84853		72	----	20	3	1	6.96 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
49270-U24	204.28 EA	05238		72	----	1	2	Bulk	255.35 EA
49270-U48	371.46 EA	05239		72	----	1	3	Bulk	464.33 EA
49404	0.22 EA	10559		70	S24	250	1	25	0.28 EA
49560-LCC	7.34 EA	78617		75	S21	10	2	1	9.18 EA
49560-TTS	32.45 EA	78616		75	S21	10	10	1	40.56 EA
49561-LCC	7.34 EA	78619		75	S21	25	5	1	9.18 EA
49561-SSP	50.33 EA	82361		75	S21	25	11	1	62.91 EA
49561-TIP	6.82 EA	78879		75	S21	20	1	1	8.53 EA
49562-KIT	438.57 EA	78682		75	----	1	8	----	548.21 EA
49562-TSK	92.58 EA	79188		75	S21	1	2	----	115.73 EA
49575-CTS	280.00 EA	82117		75	----	10	12	1	350.00 EA
49800-MCK	54.86 EA	98507		78	----	1	2	----	68.58 EA
49800-SCK	70.80 EA	98505		78	----	1	2	----	88.50 EA
49800-SLA	560.00 EA	05313		78	----	1	2	Bulk	700.00 EA
49800-SLT	760.00 EA	05312		78	----	1	3	Bulk	950.00 EA
49800-UTK	441.89 EA	02039		78	----	1	4	----	552.36 EA
49800-UTP	521.86 EA	03557		78	----	1	4	----	652.33 EA
* 49816-C	276.50	32290	A	07	K1	50	34	1	393.10
49875	153.20	32300	A	07	K1	50	35	1	217.80
49882-MST	6.88 EA	98509		77	----	50	2	1	8.60 EA
49882-SAD	2.37 EA	01363		77	----	50	2	1	2.96 EA
49882-SST	8.32 EA	98508		77	----	50	2	1	10.40 EA
49883-FCT	2.22 EA	99767		78	----	10	3	1	2.78 EA
49883-MFC	7.96 EA	98543		77	----	50	2	1	9.95 EA
49883-SFC	12.76 EA	06278		77	----	50	2	1	15.95 EA
49884-BAD	4.86 EA	02910		77	----	25	1	1	6.08 EA
49884-DPC	9.92 EA	00582		77	----	1	1	----	12.40 EA
49884-MAD	4.86 EA	01366		77	----	25	1	1	6.08 EA
49884-MSC	9.60 EA	00580		77	----	50	1	1	12.00 EA
49884-SAD	8.83 EA	01365		77	----	25	1	1	11.04 EA
49884-SSC	11.43 EA	00579		77	----	50	1	1	14.29 EA
49885-JBS	3.50 EA	04325		77	----	5	1	1	4.38 EA
49885-SBS	3.50 EA	06282		77	----	5	1	1	4.38 EA
49885-SLV	3.74 EA	00818		77	----	10	1	1	4.68 EA
49885-2BS	3.50 EA	00819		77	----	5	1	1	4.38 EA
49885-9BS	3.50 EA	01517		77	----	5	1	1	4.38 EA
49886-BR2	45.60 EA	00825		78	----	1	1	----	57.00 EA
49886-BR9	44.80 EA	00824		78	----	1	1	----	56.00 EA
49886-CSA	42.40 EA	05373		78	----	1	1	Bulk	53.00 EA
49886-CSE	124.00 EA	00833		78	----	1	1	----	155.00 EA
49886-CST	48.96 EA	05372		78	----	1	1	Bulk	61.20 EA
49886-CTT	3.50 EA	02827		78	----	10	3	1	4.38 EA
49886-FIT	376.00 EA	05368		78	----	1	1	Bulk	470.00 EA
49886-FSP	158.40 EA	01271		78	----	1	2	----	198.00 EA
49886-GLS	14.00 EA	00828		78	----	1	1	----	17.50 EA
49886-OTT	28.00 EA	05369		78	----	1	1	Bulk	35.00 EA
49886-PAD	9.84 EA	00827		78	----	1	1	----	12.30 EA
49886-PUC	102.40 EA	00831		78	----	1	1	----	128.00 EA
49886-SCP	94.40 EA	00823		78	----	1	1	----	118.00 EA
49886-SCR	38.00 EA	00826		78	----	1	1	----	47.50 EA
49886-SIS	20.32 EA	00829		78	----	1	1	----	25.40 EA
49886-SLC	79.20 EA	05364		78	----	1	1	Bulk	99.00 EA
49886-SLG	4.64 EA	05371		78	----	1	1	Bulk	5.80 EA
49886-SMP	1.60 EA	05370		78	----	1	1	Bulk	2.00 EA
49886-SPD	7.36 EA	02493		78	----	1	1	----	9.20 EA
49886-STP	16.00 EA	00830		78	----	1	1	----	20.00 EA
49886-TVC	120.00 EA	03555		78	----	1	1	----	150.00 EA
49886-VFA	35.20 EA	05366		78	----	1	1	Bulk	44.00 EA
49886-VSA	60.00 EA	05646		78	----	1	1	Bulk	75.00 EA
49886-VWA	35.20 EA	05365		78	----	1	1	Bulk	44.00 EA
49886-WRE	11.20 EA	00832		78	----	1	1	----	14.00 EA
49886-X3F	35.20 EA	03581		78	----	1	1	----	44.00 EA
49886-1F	35.20 EA	03580		78	----	1	1	----	44.00 EA
49886-12F	35.20 EA	03579		78	----	1	1	----	44.00 EA
49887-12L	22.96 EA	03872		77	----	10	1	1	28.70 EA
49887-12S	20.88 EA	03871		77	----	10	1	1	26.10 EA
49887-6L	19.84 EA	03870		77	----	10	1	1	24.80 EA
49887-6S	18.80 EA	03869		77	----	10	1	1	23.50 EA
49888-5SF	19.88 EA	05251		77	----	50	1	1	24.85 EA
49888-5SW	17.92 EA	05249		77	----	50	2	1	22.40 EA
49888-6SF	19.88 EA	05250		77	----	50	1	1	24.85 EA
49888-6SW	17.92 EA	05248		77	----	50	2	1	22.40 EA
49889-KMA	5.12 EA	05252		77	----	25	1	1	6.40 EA
49889-MAD	4.74 EA	03946		77	----	25	1	1	5.93 EA
49890-STK	20.20 EA	04745		78	----	10	2	1	25.25 EA
* 49900-EE4	5.70 EA	84956		72	----	25	2	1	7.13 EA
* 49900-EG4	5.70 EA	84955		72	----	25	2	1	7.13 EA
* 49900-EI4	5.70 EA	84953		72	----	25	2	1	7.13 EA
* 49900-EW4	5.70 EA	84954		72	----	25	2	1	7.13 EA
* 49900-HE2	2.50 EA	84948		72	----	25	1	1	3.13 EA
* 49900-HE4	2.50 EA	84952		72	----	25	2	1	3.13 EA
* 49900-HG2	2.50 EA	84947		72	----	25	1	1	3.13 EA
* 49900-HG4	2.50 EA	84951		72	----	25	2	1	3.13 EA
* 49900-HI2	2.50 EA	84945		72	----	25	1	1	3.13 EA
* 49900-HI4	2.50 EA	84949		72	----	25	2	1	3.13 EA
* 49900-HW2	2.50 EA	84946		72	----	25	1	1	3.13 EA
* 49900-HW4	2.50 EA	84950		72	----	25	2	1	3.13 EA
* 49900-SE2	2.00 EA	84738		72	----	25	1	1	2.50 EA
* 49900-SE4	2.00 EA	84742		72	----	25	1	1	2.50 EA
* 49900-SG2	2.00 EA	84737		72	----	25	1	1	2.50 EA
* 49900-SG4	2.00 EA	84741		72	----	25	1	1	2.50 EA
* 49900-SI2	2.00 EA	84735		72	----	25	1	1	2.50 EA
* 49900-SI4	2.00 EA	84739		72	----	25	1	1	2.50 EA
* 49900-SW2	2.00 EA	84736		72	----	25	1	1	2.50 EA
* 49900-SW4	2.00 EA	84740		72	----	25	1	1	2.50 EA
* 50240-ASA	144.20 EA	00931	B	97	----	4	4	Bulk	240.20 EA
* 50240-FAA	149.40 EA	02946	B	97	----	4	9	Bulk	248.90 EA
* 50240-MSA	123.60 EA	89134	B	97	----	4	4	Bulk	205.90 EA
51000-DIN	20.60 EA	01625	C	97	----	5	1	1	41.20 EA
51000-KIT	205.00 EA	98049	B	97	----	1	6	Bulk	341.50 EA
51000-SMC	154.50 EA	89135	A	97	----	10	12	1	219.70 EA
51015-WM	103.30 EA	00299	B	97	----	5	12	1	172.10 EA
51020-DIN	123.60 EA	03574	B	97	----	5	11	1	205.90 EA
* 51020-WM	103.30 EA	83419	B	97	R11	5	13	1	172.10 EA
51020-WMT	154.50 EA	89183	B	97	----	5	10	1	257.40 EA
* 51120-PTC	159.70 EA	98560	B	97	----	1	6	Bulk	266.00 EA
* 51120-1	140.20 EA	82764	B	97	R11	1	4	Bulk	233.50 EA
* 51120-3	179.70 EA	82765	B	97	R11	1	4	Bulk	299.30 EA
* 51120-3R	185.40 EA	87947	A	97	----	1	6	Bulk	263.60 EA
* 51240-WM	103.30 EA	83420	B	97	R11	5	12	1	172.10 EA
* 52000-RS	212.50 EA	82692	B	97	R10	5	23	1	354.00 EA
* 52120-M1	306.80 EA	85168	B	97	----	1	23	Bulk	511.10 EA
* 52120-M2	487.60 EA	85169	B	97	R9	1	22	Bulk	812.30 EA
* 52120-M2H	487.60 EA	02699	C	97	----	1	22	Bulk	975.20 EA
* 52120-M3	668.40 EA	85170	B	97	R9	1	23	Bulk	1,113.50 EA
* 52120-7M3	1,158.80 EA	02597	B	97	----	1	24	Bulk	1,930.50 EA
* 52220-IM3	789.40 EA	85349	B	97	R9	1	24	Bulk	1,315.10 EA
* 52240-DM3	849.90 EA	85350	B	97	R9	1	24	Bulk	1,415.90 EA
* 52277-M3	1,004.60 EA	85171	B	97	----	1	23	Bulk	1,673.60 EA
* 52277-7M3	1,678.90 EA	02598	B	97	----	1	24	Bulk	2,797.00 EA
52455-10E	4.50 EA	03482		72	----	10	1	1	5.63 EA
52455-10G	4.50 EA	03484		72	----	10	1	1	5.63 EA
52455-10L	4.50 EA	03480		72	----	10	1	1	5.63 EA
52455-10R	4.50 EA	03479		72	----	10	1	1	5.63 EA
52455-10S	4.50 EA	03483		72	----	10	1	1	5.63 EA
52455-10W	4.50 EA	03481		72	----	10	1	1	5.63 EA
52455-10Y	4.50 EA	03485		72	----	10	1	1	5.63 EA
52455-15E	6.10 EA	03489		72	----	10	1	1	7.63 EA
52455-15G	6.10 EA	03496		76	----	10	1	1	7.63 EA
52455-15L	6.10 EA	03487		72	----	10	1	1	7.63 EA
52455-15R	6.10 EA	03486		72	----	10	1	1	7.63 EA
52455-15S	6.10 EA	03495		72	----	10	1	1	7.63 EA
52455-15W	6.10 EA	03488		72	----	10	1	1	7.63 EA
52455-15Y	6.10 EA	03497		76	----	10	1	1	7.63 EA
52455-20E	7.70 EA	03501		72	----	10	1	1	9.63 EA
52455-20G	7.70 EA	03503		72	----	10	1	1	9.63 EA
52455-20L	7.70 EA	03499		72	----	10	1	1	9.63 EA
52455-20R	7.70 EA	03498		72	----	10	1	1	9.63 EA
52455-20S	7.70 EA	03502		72	----	10	1	1	9.63 EA
52455-20W	7.70 EA	03500		72	----	10	1	1	9.63 EA

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
52455-20Y	7.70 EA	03504		72	----	10	1	1	9.63 EA
52455-3E	2.44 EA	03461		72	----	50	1	1	3.05 EA
52455-3G	2.44 EA	03463		76	----	50	5	1	3.05 EA
52455-3L	2.44 EA	03459		72	----	50	1	1	3.05 EA
52455-3R	2.44 EA	03458		72	----	50	1	1	3.05 EA
52455-3S	2.44 EA	03462		72	----	50	1	1	3.05 EA
52455-3W	2.44 EA	03460		72	----	50	1	1	3.05 EA
52455-3Y	2.44 EA	03464		76	----	50	1	1	3.05 EA
52455-5E	3.00 EA	03468		72	----	50	1	1	3.75 EA
52455-5G	3.00 EA	03470		72	----	50	1	1	3.75 EA
52455-5L	3.00 EA	03466		72	----	50	1	1	3.75 EA
52455-5R	3.00 EA	03465		72	----	50	1	1	3.75 EA
52455-5S	3.00 EA	03469		72	----	50	1	1	3.75 EA
52455-5W	3.00 EA	03467		72	----	50	1	1	3.75 EA
52455-5Y	3.00 EA	03471		72	----	50	1	1	3.75 EA
52455-7E	3.60 EA	03475		72	----	10	1	1	4.50 EA
52455-7G	3.60 EA	03477		76	----	10	1	1	4.50 EA
52455-7L	3.60 EA	03473		72	----	10	1	1	4.50 EA
52455-7R	3.60 EA	03472		72	----	10	1	1	4.50 EA
52455-7S	3.60 EA	03476		72	----	10	1	1	4.50 EA
52455-7W	3.60 EA	03474		72	----	10	1	1	4.50 EA
52455-7Y	3.60 EA	03478		76	----	10	1	1	4.50 EA
* 52480-DM3	1,018.60 EA	85172	B	97	R9	1	23	Bulk	1,696.90 EA
54501-2	164.70	12449	A	40	C4	100	15	10	234.20
54501-2GY	164.70	12564	A	40	C4	100	15	10	234.20
54501-2I	164.70	12417	A	40	C4	100	15	10	234.20
54501-2W	164.70	12576	A	40	C4	100	15	10	234.20
54502-2	425.90	12470	B	40	C4	20	4	10	709.50
54502-2I	425.90	12418	B	40	C4	20	4	10	709.50
54502-2W	425.90	12493	B	40	C4	20	3	10	709.50
54503-2	295.30	12537	A	40	C4	100	16	10	419.90
54503-2GY	295.30	12549	A	40	C4	100	20	10	419.90
54503-2I	295.30	32620	A	40	C4	100	16	10	419.90
54503-2W	295.30	12565	A	40	C4	100	17	10	419.90
54504-2	738.10	32665	A	40	C4	20	4	10	1,049.50
54504-2GY	738.10	12506	A	40	C4	20	4	10	1,049.50
54504-2I	738.10	32650	A	40	C4	20	4	10	1,049.50
54504-2W	738.10	12471	A	40	C4	20	4	10	1,049.50
54521-2	266.90	12451	A	40	C5	100	15	10	379.50
54521-2GY	266.90	12538	A	40	C5	100	15	10	379.50
54521-2I	266.90	12421	A	40	C5	100	14	10	379.50
54521-2W	266.90	12517	A	40	C5	100	15	10	379.50
54522-2	664.40	12452	B	40	C5	20	4	10	1,106.80
54522-2GY	664.40	12539	B	40	C5	20	3	10	1,106.80
54522-2I	664.40	12422	B	40	C5	20	4	10	1,106.80
54522-2W	664.40	12550	B	40	C5	20	4	10	1,106.80
54523-2	380.50	12453	A	40	C5	100	16	10	541.00
54523-2GY	380.50	12540	A	40	C5	100	16	10	541.00
54523-2I	380.50	12423	A	40	C5	100	16	10	541.00
54523-2W	380.50	12551	A	40	C5	100	17	10	541.00
54524-2	1,022.10	12454	C	40	C5	20	4	10	2,044.20
54524-2GY	1,022.10	12541	C	40	C5	20	4	10	2,044.20
54524-2I	1,022.10	12424	C	40	C5	20	4	10	2,044.20
54524-2W	1,022.10	12552	C	40	C5	20	4	10	2,044.20
55050	1,116.10	10025	A	08	D14	10	8	1	1,587.00
55054	1,116.10	10024	A	08	D13	10	8	1	1,587.00
55175-ASA	77.30 EA	03010	B	97	----	4	5	1	128.70 EA
55175-SSA	51.50 EA	94995	B	97	----	4	6	1	85.80 EA
55500-PRT	147.00	32910	C	10	C1	100	1	10	294.00
* 57120-M3	1,671.80 EA	85351	C	97	----	1	24	Bulk	3,343.60 EA
* 57120-M3S	2,163.00 EA	86483	B	97	----	1	46	Bulk	3,603.50 EA
* 57220-M3	2,392.00 EA	85352	B	97	----	1	24	Bulk	3,985.00 EA
* 57240-DM3	2,101.40 EA	85353	B	97	R9	1	24	Bulk	3,500.90 EA
* 57277-B3	2,163.00 EA	86748	B	97	----	1	9	Bulk	3,603.50 EA
* 57277-M3S	2,884.00 EA	86482	B	97	----	1	46	Bulk	4,804.70 EA
* 57480-DM3	2,532.40 EA	85356	B	97	R9	1	24	Bulk	4,218.90 EA
* 57600-DM3	2,824.30 EA	85357	B	97	----	1	24	Bulk	4,705.20 EA
* 59484-B12	66.30 EA	96144		72	----	1	1	----	82.88 EA
* 59484-B16	82.88 EA	96145		72	----	1	1	----	103.60 EA
* 59484-B24	89.79 EA	95528		72	----	1	2	----	112.24 EA
* 59484-B32	165.48 EA	96147		72	----	1	3	----	206.85 EA
* 59484-B48	179.58 EA	96148		72	----	1	3	----	224.48 EA
* 59484-B64	293.74 EA	96149		72	----	1	5	----	367.18 EA
* 59484-B89	59.40 EA	96141		72	----	1	1	----	74.25 EA
* 59484-B96	338.45 EA	96150		72	----	1	5	----	423.06 EA
* 59484-24W	110.24 EA	99547		72	----	1	2	----	137.80 EA
* 59485-A12	66.30 EA	96152		72	----	1	2	----	82.88 EA
* 59485-A16	82.88 EA	96155		72	----	1	1	----	103.60 EA
* 59485-A24	89.79 EA	96154		72	----	1	2	----	112.24 EA
* 59485-A32	165.48 EA	96156		72	----	1	3	----	206.85 EA
* 59485-A48	179.58 EA	96157		72	----	1	3	----	224.48 EA
* 59485-A64	293.74 EA	96158		72	----	1	5	----	367.18 EA
* 59485-A89	59.40 EA	96151		72	----	1	1	----	74.25 EA
* 59485-A96	338.45 EA	96159		72	----	1	6	----	423.06 EA
* 59485-24W	110.24 EA	99567		72	----	1	2	----	137.80 EA
60001	409.90	12716	X	20	N9	10	1	1	512.30
60001-I	409.90	12761	X	20	N9	10	1	1	512.30
60001-W	409.90	78888	X	20	N9	10	1	1	512.30
60002	467.80	12717	X	20	N9	10	2	1	584.70
60002-I	467.80	12762	X	20	N9	10	2	1	584.70
60002-W	467.80	78889	X	20	N9	10	2	1	584.70
60800-I	19.60 EA	12763	X	20	N9	10	8	1	24.50 EA
60800-W	19.60 EA	41015	X	20	N9	10	8	1	24.50 EA
60800-3I	25.40 EA	12793	X	20	N9	2	2	1	31.70 EA
60800-3W	25.40 EA	41017	X	20	N9	2	2	1	31.70 EA
61000-I	25.80 EA	41021	X	20	N9	5	4	1	32.20 EA
61000-W	25.80 EA	41025	X	20	N9	5	4	1	32.20 EA
61000-3I	35.60 EA	12794	X	20	N9	2	2	1	44.50 EA
61000-3W	35.60 EA	41022	X	20	N9	2	2	1	44.50 EA
61027-I	23.90 EA	77210	X	20	N14	2	2	1	29.80 EA
61027-W	23.90 EA	77212	X	20	N14	2	2	1	29.80 EA
61109-RA6	6.15 EA	04202		72	----	50	1	1	7.69 EA
61109-RB6	6.15 EA	04198		72	----	50	1	1	7.69 EA
61109-RC6	6.15 EA	04209		72	----	50	1	1	7.69 EA
61109-RE6	6.15 EA	04201		72	----	50	1	1	7.69 EA
61109-RG6	6.15 EA	04200		72	----	50	1	1	7.69 EA
61109-RI6	6.15 EA	04197		72	----	50	1	1	7.69 EA
61109-RL6	6.15 EA	04205		72	----	50	1	1	7.69 EA
61109-RO6	6.15 EA	04204		72	----	50	1	1	7.69 EA
61109-RP6	6.15 EA	04208		72	----	50	1	1	7.69 EA
61109-RR6	6.15 EA	04203		72	----	50	1	1	7.69 EA
61109-RV6	6.15 EA	04207		72	----	50	1	1	7.69 EA
61109-RW6	6.15 EA	04199		72	----	50	1	1	7.69 EA
61109-RY6	6.15 EA	04206		72	----	50	1	1	7.69 EA
61500-I	49.10 EA	41029	X	20	N9	2	2	1	61.30 EA
61500-W	49.10 EA	41030	X	20	N9	2	2	1	61.30 EA
62000-I	66.70 EA	12766	X	20	N9	2	2	1	83.30 EA
62000-W	66.70 EA	41045	X	20	N9	2	2	1	83.30 EA
62455-10E	8.00 EA	03393		72	----	10	3	1	10.00 EA
62455-10G	8.00 EA	03395		72	----	10	3	1	10.00 EA
62455-10L	8.00 EA	03388		72	----	10	3	1	10.00 EA
62455-10R	8.00 EA	03387		72	----	10	3	1	10.00 EA
62455-10S	8.00 EA	03394		72	----	10	3	1	10.00 EA
62455-10W	8.00 EA	03392		72	----	10	3	1	10.00 EA
62455-10Y	8.00 EA	03396		72	----	10	3	1	10.00 EA
62455-15E	9.84 EA	03402		72	----	10	5	1	12.30 EA
62455-15G	9.84 EA	03404		72	----	10	5	1	12.30 EA
62455-15L	9.84 EA	03400		72	----	10	5	1	12.30 EA
62455-15R	9.84 EA	03399		72	----	10	5	1	12.30 EA
62455-15S	9.84 EA	03403		72	----	10	5	1	12.30 EA
62455-15W	9.84 EA	03401		72	----	10	5	1	12.30 EA
62455-15Y	9.84 EA	03405		72	----	10	5	1	12.30 EA
62455-20E	12.66 EA	03409		72	----	10	6	1	15.83 EA
62455-20G	12.66 EA	03411		72	----	10	6	1	15.83 EA
62455-20L	12.66 EA	03407		72	----	10	6	1	15.83 EA
62455-20R	12.66 EA	03406		72	----	10	6	1	15.83 EA
62455-20S	12.66 EA	03410		72	----	10	6	1	15.83 EA
62455-20W	12.66 EA	03408		72	----	10	6	1	15.83 EA
62455-20Y	12.66 EA	03412		72	----	10	6	1	15.83 EA
62455-3E	5.37 EA	03329		72	----	50	6	1	6.71 EA

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

	Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
	62455-3G	5.37 EA	03331		72	----	50	6	1	6.71 EA
	62455-3L	5.37 EA	03327		72	----	50	6	1	6.71 EA
	62455-3R	5.37 EA	03326		72	----	50	6	1	6.71 EA
	62455-3S	5.37 EA	03330		72	----	50	6	1	6.71 EA
	62455-3W	5.37 EA	03328		72	----	50	6	1	6.71 EA
	62455-3Y	5.37 EA	03332		72	----	50	6	1	6.71 EA
	62455-5E	5.93 EA	03376		72	----	50	9	1	7.41 EA
	62455-5G	5.93 EA	03378		72	----	50	9	1	7.41 EA
	62455-5L	5.93 EA	03373		72	----	50	9	1	7.41 EA
	62455-5P	5.37 EA	05410		72	----	50	1	1	6.71 EA
	62455-5R	5.93 EA	03335		72	----	50	9	1	7.41 EA
	62455-5S	5.93 EA	03377		72	----	50	9	1	7.41 EA
	62455-5W	5.93 EA	03375		72	----	50	9	1	7.41 EA
	62455-5Y	5.93 EA	03379		72	----	50	9	1	7.41 EA
	62455-7E	6.79 EA	03383		72	----	10	2	1	8.49 EA
	62455-7G	6.79 EA	03385		72	----	10	2	1	8.49 EA
	62455-7L	6.79 EA	03381		72	----	10	2	1	8.49 EA
	62455-7R	6.79 EA	03380		72	----	10	2	1	8.49 EA
	62455-7S	6.79 EA	03384		72	----	10	2	1	8.49 EA
	62455-7W	6.79 EA	03382		72	----	10	2	1	8.49 EA
	62455-7Y	6.79 EA	03386		72	----	10	2	1	8.49 EA
*	66591-2C	30.20 EA	82933	A	90	F3	10	7	1	42.90 EA
*	66591-25C	38.60 EA	78717	A	90	F3	10	30	1	54.80 EA
*	66591-6C	32.30 EA	82934	A	90	F3	10	11	1	45.90 EA
*	66593-3	30.90 EA	82935	A	90	F3	10	10	1	43.90 EA
	66597-3	41.20 EA	81839	A	90	F3	10	10	1	58.50 EA
	66891-3	39.10 EA	81632	A	90	----	10	12	1	55.60 EA
	66897-3	49.40 EA	81840	A	90	F3	10	16	1	70.20 EA
	69591-W25	40.70 EA	96706	A	90	----	10	32	Bulk	57.80 EA
*	69591-W3	34.40 EA	96705	A	90	----	10	12	Bulk	48.90 EA
*	69591-25	38.60 EA	98642	A	90	----	10	30	Bulk	54.80 EA
*	69591-3	30.70 EA	94396	A	90	----	10	12	Bulk	43.60 EA
	69593-3	34.00 EA	94385	A	90	----	10	13	Bulk	48.30 EA
	69891-3	39.10 EA	94399	A	90	----	10	13	Bulk	55.60 EA
	71111	101.40 EA	77656	X	20	A11	2	2	1	126.70 EA
	71111-GY	101.40 EA	77650	X	20	A11	2	2	1	126.70 EA
	71111-I	101.40 EA	77654	X	20	A11	2	2	1	126.70 EA
	71111-W	101.40 EA	77652	X	20	A11	2	2	1	126.70 EA
	71113	117.40 EA	77648	X	20	A11	2	2	1	146.70 EA
	71113-I	117.40 EA	77660	X	20	A11	2	2	1	146.70 EA
	71113-W	117.40 EA	77662	X	20	A11	2	2	1	146.70 EA
	71511-I	169.30 EA	77668	X	20	A11	2	2	1	211.60 EA
	71511-W	169.30 EA	77670	X	20	A11	2	2	1	211.60 EA
	71513-I	185.40 EA	77676	X	20	A11	2	3	1	231.70 EA
	80001	8.80	93965	C	80	----	250	1	50	17.60
	80006	17.50	93975	C	80	----	250	2	50	35.00
*	80052	148.30	84891	C	10	----	5	1	1	296.60
*	80054	141.10	83352	C	10	----	5	1	1	282.20
	80301	389.80	79453	B	63	A16	100	7	20	649.40
	80301-A	389.80	79455	A	63	A16	100	7	20	554.30
	80301-CL	389.80	83708	C	63	A16	100	7	20	779.60
	80301-E	389.80	79457	B	63	A16	100	7	20	649.40
	80301-GY	389.80	80483	A	63	A16	100	7	20	554.30
	80301-I	389.80	79454	A	63	A16	100	7	20	554.30
	80301-W	389.80	79456	A	63	A16	100	7	20	554.30
	80309	779.50	79459	B	63	A16	100	11	20	1,298.60
	80309-A	779.50	79461	A	63	A16	100	11	20	1,108.40
	80309-CL	779.50	83709	B	63	A16	100	11	20	1,298.60
	80309-E	779.50	79463	B	63	----	25	3	1	1,298.60
	80309-GY	779.50	79464	A	63	A16	100	12	20	1,108.40
	80309-I	779.50	79460	A	63	A16	100	11	20	1,108.40
	80309-R	779.50	89037	B	63	----	25	3	1	1,298.60
	80309-W	779.50	79462	A	63	A16	100	11	20	1,108.40
	80311	1,169.30	79465	B	63	A16	50	8	10	1,948.00
	80311-A	1,169.30	79467	A	63	A16	50	8	10	1,662.70
	80311-E	1,169.30	79469	B	63	A16	50	8	10	1,948.00
	80311-GY	1,169.30	79470	A	63	A16	50	10	10	1,662.70
	80311-I	1,169.30	79466	A	63	A16	50	8	10	1,662.70
	80311-W	1,169.30	79468	A	63	A16	50	8	10	1,662.70
	80312	1,559.00	79471	A	63	----	25	4	1	2,216.90
	80312-A	1,559.00	79473	A	63	A16	50	9	10	2,216.90
	80312-E	1,559.00	79475	B	63	A16	50	10	10	2,597.20
	80312-GY	1,559.00	79476	B	63	A16	50	10	10	2,597.20
	80312-I	1,559.00	79472	A	63	A16	50	9	10	2,216.90
	80312-W	1,559.00	79474	A	63	A16	50	9	10	2,216.90
*	80314-A	413.30	83485	C	63	A18	50	5	10	826.60
*	80314-I	413.30	83484	C	63	A18	50	5	10	826.60
*	80314-W	413.30	83486	C	63	A18	50	5	10	826.60
	80321-A	2,575.00	94343	C	63	----	5	1	1	5,150.00
	80321-I	2,575.00	94342	C	63	----	5	1	1	5,150.00
	80321-W	2,575.00	94344	C	63	----	5	1	1	5,150.00
	80326-A	3,090.00	94347	C	63	----	5	1	1	6,180.00
	80326-I	3,090.00	94346	C	63	----	5	1	1	6,180.00
	80326-W	3,090.00	94348	C	63	----	5	1	1	6,180.00
*	80381-A	472.40	83490	C	63	S6	50	6	10	944.80
*	80381-E	472.40	83492	C	63	S6	50	7	10	944.80
*	80381-GY	472.40	83493	C	63	S6	50	6	10	944.80
*	80381-I	472.40	83489	C	63	S6	50	12	10	944.80
*	80381-W	472.40	83491	C	63	S6	50	6	10	944.80
	80400	251.20	48790	C	61	A18	50	2	10	502.40
	80400-A	251.20	82333	C	61	----	50	2	10	502.40
	80400-E	251.20	48792	C	61	A18	50	2	10	502.40
	80400-GY	251.20	12195	C	61	A18	50	2	10	502.40
	80400-I	251.20	48794	C	61	A18	50	2	10	502.40
	80400-W	251.20	48796	C	61	A18	50	2	10	502.40
	80401	50.30	48800	A	61	A17	100	6	25	71.50
	80401-A	50.30	79182	A	61	A17	100	6	25	71.50
	80401-COI	181.20	85989	C	61	----	20	1	10	362.40
	80401-COW	181.20	85990	C	61	----	20	1	10	362.40
	80401-E	50.30	12020	B	61	A17	100	6	25	83.80
	80401-GFI	181.20	85991	C	61	----	20	1	10	362.40
	80401-GFW	181.20	85992	C	61	----	20	1	10	362.40
	80401-GY	50.30	48803	A	61	A17	100	6	25	71.50
	80401-I	50.30	15134	A	61	A17	100	6	25	71.50
	80401-IG	175.90	78369	C	61	G3	100	5	10	351.80
	80401-N	51.30	48801	B	61	A16	100	5	25	85.40
	80401-NA	51.30	98038	B	61	----	100	5	25	85.40
	80401-NB	82.40	82539	C	61	----	100	1	25	164.80
	80401-NGY	51.30	48805	B	61	A16	100	4	25	85.40
	80401-NI	51.30	48808	B	61	A16	100	4	25	85.40
	80401-NR	51.50	12287	C	61	A16	100	5	25	103.00
	80401-NW	51.30	48810	B	61	A16	100	4	25	85.40
	80401-W	50.30	15126	A	61	A17	100	6	25	71.50
	80405	133.70	48820	B	61	A17	100	12	25	222.70
	80405-A	133.70	81396	B	61	A17	100	12	25	222.70
	80405-E	133.70	48822	B	61	A17	100	12	25	222.70
	80405-GY	133.70	12196	B	61	A17	100	12	25	222.70
	80405-I	133.70	48824	B	61	A17	100	12	25	222.70
	80405-W	133.70	48826	B	61	A17	100	12	25	222.70
	80407-I	4,688.20	48832	C	61	A17	1	1	Bulk	9,376.40
	80407-W	4,688.20	48834	C	61	A17	1	1	Bulk	9,376.40
	80408-I	5,357.90	48836	C	61	A17	1	1	Bulk	10,715.80
	80408-W	5,357.90	48838	C	61	A17	1	1	Bulk	10,715.80
	80409	121.90	48840	A	61	A17	100	10	25	173.30
	80409-A	121.90	79184	A	61	A17	100	10	25	173.30
	80409-E	121.90	48842	B	61	A17	100	9	25	203.00
	80409-GY	121.90	48845	A	61	A17	100	9	25	173.30
	80409-I	121.90	48844	A	61	A17	100	10	25	173.30
	80409-N	123.50	48841	B	61	A16	100	6	25	205.70
	80409-NA	123.50	98039	B	61	----	100	7	25	205.70
	80409-NB	138.20	86824	B	61	----	25	2	1	230.20
	80409-NGY	123.50	48843	B	61	A16	100	7	25	205.70
	80409-NI	123.50	48847	B	61	A16	100	7	25	205.70
	80409-NR	124.50	12253	B	61	----	25	2	1	207.40
	80409-NW	123.50	48850	B	61	A16	100	7	25	205.70
	80409-OIG	124.50	98410	C	61	----	25	2	1	249.00
	80409-W	121.90	15135	A	61	A17	100	10	25	173.30
	80411	246.20	48860	A	61	A17	100	13	10	350.10
	80411-A	246.20	79183	A	61	A17	100	14	10	350.10
	80411-E	246.20	48862	B	61	A17	100	13	10	410.10

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
80411-GY	**246.20**	48863	A	61	A17	100	14	10	350.10
80411-I	**246.20**	48864	A	61	A17	100	14	10	350.10
80411-N	**248.00**	48861	B	61	----	25	2	1	413.10
80411-NA	**252.00**	98040	B	61	----	50	5	10	419.80
80411-NGY	**248.00**	48865	B	61	A16	50	5	10	413.10
80411-NI	**248.00**	48867	B	61	A16	50	5	10	413.10
80411-NW	**248.00**	48868	B	61	A16	50	5	10	413.10
80411-W	**246.20**	48866	A	61	A17	100	14	10	350.10
80412	**481.40**	48870	A	61	A17	50	9	10	684.50
80412-A	**481.40**	79185	A	61	A17	50	9	10	684.50
80412-E	**481.40**	78121	C	61	A17	50	9	10	962.80
80412-GY	**481.40**	12199	A	61	A17	50	9	10	684.50
80412-I	**481.40**	48874	A	61	A17	50	9	10	684.50
80412-N	**489.00**	00133	B	61	----	50	6	10	814.60
80412-NA	**489.00**	98042	B	61	----	50	7	10	814.60
80412-NI	**489.00**	78804	B	61	----	25	3	1	814.60
80412-NW	**489.00**	78805	B	61	----	25	3	1	814.60
80412-W	**481.40**	48876	A	61	A17	50	9	10	684.50
80414	**253.10**	78995	C	61	A18	20	1	5	506.20
80414-A	**253.10**	79180	C	61	A18	20	1	5	506.20
80414-E	**253.10**	78998	C	61	A18	20	1	5	506.20
80414-GY	**253.10**	78999	C	61	A18	20	1	5	506.20
80414-I	**253.10**	78997	C	61	A18	20	1	5	506.20
80414-W	**253.10**	78996	C	61	A18	20	1	5	506.20
80421	**235.50**	49100	C	61	A17	100	17	10	471.00
80421-A	**235.50**	81397	C	61	A17	100	17	10	471.00
80421-I	**235.50**	49104	C	61	A17	100	17	10	471.00
80421-W	**235.50**	49108	C	61	A17	100	17	10	471.00
80423	**799.20**	62200	C	61	A17	20	4	10	1,598.40
80423-A	**799.20**	79186	C	61	A17	20	5	10	1,598.40
80423-E	**799.20**	78115	C	61	A17	20	4	10	1,598.40
80423-GY	**799.20**	12202	C	61	A17	20	4	10	1,598.40
80423-I	**799.20**	62204	C	61	A17	20	5	10	1,598.40
80423-W	**799.20**	62208	C	61	A17	20	4	10	1,598.40
80431	**462.60**	49110	C	61	A17	50	8	10	925.20
80431-A	**462.60**	81395	C	61	A17	50	8	10	925.20
80431-I	**462.60**	49114	C	61	A17	50	8	10	925.20
80431-W	**462.60**	49118	C	61	A17	50	8	10	925.20
80436	**1,002.00**	62230	C	61	A17	20	6	10	2,004.00
80436-A	**1,002.00**	79181	C	61	A17	20	5	10	2,004.00
80436-E	**1,002.00**	78117	C	61	A17	20	5	10	2,004.00
80436-GY	**1,002.00**	12204	C	61	A17	20	5	10	2,004.00
80436-I	**1,002.00**	62234	C	61	A17	20	5	10	2,004.00
80436-W	**1,002.00**	62238	C	61	A17	20	5	10	2,004.00
80442-I	**322.70**	78065	C	61	A17	50	12	5	645.40
80455	**121.50**	77909	B	61	A17	250	26	25	202.40
80455-A	**121.50**	82808	B	61	A17	250	27	25	202.40
80455-I	**121.50**	77911	B	61	A17	250	26	25	202.40
80455-W	**121.50**	77931	B	61	A17	250	27	25	202.40
80479-I	**149.90**	77933	C	61	A17	200	30	20	299.80
80479-W	**149.90**	78105	C	61	A17	200	30	20	299.80
80501	**29.90**	49120	A	81	G20	100	9	25	42.50
80501-A	**29.90**	03944	A	81	----	100	8	25	42.50
80501-I	**29.90**	49124	A	81	G20	100	9	25	42.50
80501-W	**29.90**	49128	A	81	G20	100	8	25	42.50
80503	**29.90**	49130	A	81	G20	100	7	25	42.50
80503-A	**29.90**	03950	A	81	----	100	7	25	42.50
80503-I	**29.90**	49134	A	81	G20	100	7	25	42.50
80503-W	**29.90**	49138	A	81	G20	100	7	25	42.50
80504	**51.30**	49131	A	81	----	100	8	25	72.90
80504-A	**51.30**	05203	A	81	----	100	9	25	72.90
80504-I	**51.30**	49132	A	81	----	100	9	25	72.90
80504-W	**51.30**	49133	A	81	----	100	8	25	72.90
80505	**59.80**	49125	A	81	G21	100	12	25	85.00
80505-A	**59.80**	03954	A	81	----	100	12	25	85.00
80505-I	**59.80**	49126	A	81	G21	100	9	25	85.00
80505-W	**59.80**	49127	A	81	G21	100	12	25	85.00
80506	**226.80**	49140	C	81	G21	50	8	25	453.60
80506-I	**226.80**	49144	C	81	G21	50	8	25	453.60
80506-W	**226.80**	49148	C	81	G21	50	8	25	453.60
80508	**226.80**	49150	C	81	G21	50	8	25	453.60
80508-I	**226.80**	49154	C	81	G21	50	8	25	453.60
80508-W	**226.80**	82454	C	81	G21	50	8	25	453.60
80509	**59.80**	49160	A	81	G21	50	7	25	85.00
80509-A	**59.80**	03955	A	81	----	50	7	25	85.00
80509-I	**59.80**	49164	A	81	G21	50	7	25	85.00
80509-W	**59.80**	49168	A	81	G21	50	6	25	85.00
80511	**89.70**	49170	A	81	G20	50	10	10	127.50
80511-A	**89.70**	03956	A	81	----	50	10	10	127.50
80511-I	**89.70**	49174	A	81	G20	50	10	10	127.50
80511-W	**89.70**	49178	A	81	G20	50	10	10	127.50
80512	**339.30**	77897	B	81	G20	50	13	10	565.20
80512-A	**339.30**	05204	B	81	----	50	12	10	565.20
80512-I	**339.30**	77899	B	81	G20	50	12	10	565.20
80512-W	**339.30**	77969	B	81	G20	50	13	10	565.20
80513	**42.30**	49175	A	81	G20	100	8	25	60.10
80513-A	**42.30**	03957	A	81	----	100	9	25	60.10
80513-I	**42.30**	49176	A	81	G20	100	9	25	60.10
80513-W	**42.30**	49177	A	81	G20	100	8	25	60.10
80514	**42.30**	49180	B	81	----	100	11	25	70.40
80514-A	**42.30**	03958	A	81	----	100	9	25	60.10
80514-I	**42.30**	49184	B	81	----	100	10	25	70.40
80514-W	**42.30**	49188	B	81	----	100	10	25	70.40
80516	**100.80**	49191	B	81	G21	50	6	25	167.90
80516-A	**100.80**	03959	A	81	----	50	6	25	143.30
80516-I	**100.80**	49192	B	81	G21	50	6	25	167.90
80516-W	**100.80**	49193	B	81	G21	50	6	25	167.90
80521	**339.30**	77983	C	81	G21	50	10	10	678.60
80521-A	**339.30**	05205	C	81	----	50	10	10	678.60
80521-I	**339.30**	77901	C	81	G21	50	10	10	678.60
80521-W	**339.30**	77903	C	81	G21	50	10	10	678.60
80525	**204.30**	49190	B	81	G21	50	9	25	340.30
80525-A	**204.30**	03960	A	81	----	50	9	25	290.50
80525-I	**204.30**	49194	C	81	G21	50	9	25	408.60
80525-W	**204.30**	49198	B	81	G21	50	8	25	340.30
80526-BLK	**168.30**	49200	B	81	G12	50	6	25	280.30
80526-I	**168.30**	49204	B	81	G12	50	6	25	280.30
80526-W	**168.30**	85182	B	81	----	50	6	25	280.30
80528-BLK	**164.70**	49210	B	81	G12	100	7	25	274.30
80528-I	**164.70**	49214	B	81	G12	100	8	25	274.30
80528-W	**164.70**	83678	C	81	G12	100	8	25	329.40
80530-A	**128.20**	03593	C	80	----	100	10	25	256.40
80530-BLK	**128.20**	86974	C	80	----	100	10	25	256.40
80530-I	**128.20**	86975	C	80	----	100	10	25	256.40
80530-W	**128.20**	88270	C	80	----	100	10	25	256.40
80532-E	**237.90**	95381	B	85	----	100	5	25	396.30
80532-I	**237.90**	95382	B	85	----	100	5	25	396.30
80532-W	**237.90**	95383	B	85	----	100	6	25	396.30
80533-I	**406.80**	78107	C	81	----	50	11	10	813.60
80533-W	**406.80**	78111	C	81	----	50	10	10	813.60
80601	**71.50**	49220	C	61	A18	100	8	25	143.00
80601-A	**71.50**	81051	C	61	A18	100	8	25	143.00
80601-GY	**71.50**	81714	C	61	A18	100	8	25	143.00
80601-I	**71.50**	49224	C	61	A18	100	8	25	143.00
80601-W	**71.50**	49228	C	61	A18	100	8	25	143.00
80605	**143.00**	49230	C	61	A18	50	7	25	286.00
80605-A	**143.00**	83041	C	61	A18	50	6	25	286.00
80605-I	**143.00**	49234	C	61	A18	50	7	25	286.00
80605-W	**143.00**	49238	C	61	A18	50	7	25	286.00
80608	**216.90**	49240	C	61	A18	50	7	25	433.80
80608-A	**216.90**	82232	C	61	A18	50	8	25	433.80
80608-I	**216.90**	49244	C	61	A18	50	7	25	433.80
80608-W	**216.90**	49248	C	61	A18	50	8	25	433.80
80609	**143.00**	49250	C	61	A18	50	5	25	286.00
80609-A	**143.00**	81067	C	61	A18	50	6	25	286.00
80609-GY	**143.00**	81713	C	61	A18	50	6	25	286.00
80609-I	**143.00**	49254	C	61	A18	50	6	25	286.00
80609-W	**143.00**	49258	C	61	A18	50	6	25	286.00
80611	**214.50**	78109	C	61	A18	50	10	10	429.00
80611-A	**214.50**	81049	C	61	A18	50	11	10	429.00

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
80611-I	**214.50**	20113	C	61	A18	50	9	10	429.00
80611-W	**214.50**	78101	C	61	A18	50	9	10	429.00
80612	**508.50**	77913	C	61	G21	50	11	10	1,017.00
80612-A	**508.50**	81050	C	61	G21	50	11	10	1,017.00
80612-I	**508.50**	77915	C	61	G21	50	11	10	1,017.00
80612-W	**508.50**	77917	C	61	G21	50	11	10	1,017.00
80700	**155.80**	49300	C	10	G27	20	1	5	311.60
80700-GY	**155.80**	49302	C	10	G27	20	1	5	311.60
80700-I	**155.80**	49301	C	10	G27	20	1	5	311.60
80700-W	**155.80**	49304	C	10	G27	20	1	5	311.60
80701	**30.90**	49305	A	85	G1	100	6	25	43.90
80701-A	**30.90**	02670	A	85	----	25	1	1	43.90
80701-E	**30.90**	49307	B	85	G1	100	5	25	51.40
80701-GY	**30.90**	49309	A	85	G1	100	5	25	43.90
80701-I	**30.90**	49310	A	85	G1	100	5	25	43.90
80701-R	**30.90**	49313	B	85	G1	100	5	25	51.40
80701-RE	**330.60**	77824	C	85	G3	50	3	10	661.20
80701-W	**30.90**	49314	A	85	G1	100	5	25	43.90
80703	**30.90**	49315	A	85	G1	100	4	25	43.90
80703-A	**30.90**	02671	A	85	----	25	1	1	43.90
80703-BU	**30.90**	85980	B	85	----	100	4	25	51.40
80703-COB	**316.00**	01478	C	85	----	20	9	1	632.00
80703-COI	**316.00**	85994	C	85	----	20	1	10	632.00
80703-COO	**316.00**	01475	C	85	----	20	1	10	632.00
80703-COW	**316.00**	85993	C	85	----	20	9	10	632.00
80703-E	**30.90**	49317	B	85	G1	100	5	25	51.40
80703-GFI	**316.00**	85996	C	85	----	20	9	10	632.00
80703-GY	**30.90**	49319	A	85	G1	100	5	25	43.90
80703-I	**30.90**	49321	A	85	G1	100	5	25	43.90
80703-IG	**224.20**	12205	A	85	D3	100	5	10	318.80
80703-IGI	**224.20**	85404	A	85	----	100	5	10	318.80
80703-IGW	**224.20**	82543	C	85	----	100	5	10	448.40
80703-ORG	**30.90**	78786	C	85	G1	100	5	25	61.80
80703-R	**30.90**	49323	B	85	G1	100	4	25	51.40
80703-RE	**331.80**	77826	C	85	G3	100	5	10	663.60
80703-W	**30.90**	49324	A	85	G1	100	4	25	43.90
80704	**51.50**	49330	A	85	D3	100	5	25	73.20
80704-A	**51.50**	02672	B	85	----	25	1	1	85.80
80704-E	**51.50**	12140	B	85	----	25	1	1	85.80
80704-GY	**51.50**	49334	B	85	D3	100	3	25	85.80
80704-I	**51.50**	49335	A	85	D3	100	5	25	73.20
80704-IG	**240.90**	12206	B	85	D3	100	6	10	401.30
80704-R	**51.50**	11903	B	85	D3	100	5	25	85.80
80704-W	**51.50**	49340	A	85	D3	100	5	25	73.20
80705	**61.80**	49345	A	85	G3	100	7	25	87.80
80705-A	**61.80**	02673	B	85	----	25	2	1	102.90
80705-E	**61.80**	12141	B	85	G3	100	8	25	102.90
80705-GY	**61.80**	49349	A	85	G3	100	8	25	87.80
80705-I	**61.80**	49350	A	85	G3	100	8	25	87.80
80705-R	**61.80**	12028	B	85	----	25	2	1	102.90
80705-W	**61.80**	49354	A	85	G3	100	8	25	87.80
80706	**144.20**	97993	B	85	----	50	6	10	240.20
80706-A	**144.20**	98149	B	85	----	25	2	1	240.20
80706-E	**144.20**	98143	B	85	----	50	6	10	240.20
80706-GY	**144.20**	98124	B	85	----	50	6	10	240.20
80706-I	**144.20**	97879	B	85	----	100	11	10	240.20
80706-R	**144.20**	98101	B	85	----	25	2	1	240.20
80706-W	**144.20**	98007	B	85	----	100	11	10	240.20
80707	**61.80**	97994	B	85	----	25	2	1	102.90
80707-A	**61.80**	98150	B	85	----	25	2	1	102.90
80707-E	**61.80**	98144	B	85	----	25	2	1	102.90
80707-GY	**61.80**	98125	B	85	----	25	2	1	102.90
80707-I	**61.80**	97894	B	85	----	100	8	25	102.90
80707-R	**61.80**	98102	B	85	----	50	5	10	102.90
80707-W	**61.80**	98008	B	85	----	100	8	25	102.90
80708	**144.20**	97996	B	85	----	50	6	10	240.20
80708-A	**144.20**	98152	B	85	----	25	2	1	240.20
80708-E	**144.20**	98146	B	85	----	50	6	10	240.20
80708-GY	**144.20**	98127	B	85	----	50	6	10	240.20
80708-I	**144.20**	97881	B	85	----	50	6	10	240.20
80708-R	**144.20**	98104	B	85	----	50	6	10	240.20
80708-W	**144.20**	98010	B	85	----	25	2	1	240.20
80709	**61.80**	49355	A	85	G1	100	9	25	87.80
80709-A	**61.80**	02674	A	85	----	25	2	1	87.80
80709-E	**61.80**	49357	B	85	G1	100	7	25	102.90
80709-GY	**61.80**	49359	A	85	G1	100	9	25	87.80
80709-I	**61.80**	49360	A	85	G1	100	8	25	87.80
80709-R	**61.80**	49362	B	85	G1	100	8	25	102.90
80709-W	**61.80**	49364	A	85	G1	100	9	25	87.80
80711	**92.70**	49365	A	85	----	25	3	1	131.80
80711-A	**92.70**	02684	A	85	----	25	3	1	131.80
80711-E	**92.70**	49367	C	85	----	25	3	1	185.40
80711-GY	**92.70**	49369	A	85	G1	50	7	10	131.80
80711-I	**92.70**	49370	A	85	G1	50	7	10	131.80
80711-R	**92.70**	49372	B	85	G1	50	7	10	154.40
80711-W	**92.70**	49374	A	85	G1	50	7	10	131.80
80712-A	**123.60**	02685	B	85	----	25	4	1	205.90
80712-E	**123.60**	12144	C	85	----	25	4	1	247.20
80712-GY	**123.60**	49375	B	85	----	25	4	1	205.90
80712-I	**123.60**	49380	B	85	G1	50	9	10	205.90
80712-W	**123.60**	49384	B	85	G1	50	6	10	205.90
80714	**50.80**	49385	A	85	G2	100	6	25	72.20
80714-A	**50.80**	02687	A	85	----	25	2	1	72.20
80714-E	**50.80**	49387	B	85	G2	100	6	25	84.60
80714-GY	**50.80**	49389	A	85	G2	100	6	25	72.20
80714-I	**50.80**	49390	A	85	G2	100	6	25	72.20
80714-R	**50.80**	49392	B	85	G2	100	6	25	84.60
80714-W	**50.80**	49394	A	85	G2	100	6	25	72.20
80716	**61.80**	49395	B	85	G1	100	7	25	102.90
80716-A	**61.80**	02688	B	85	----	25	2	1	102.90
80716-BU	**61.80**	05149	C	85	----	25	2	1	123.60
80716-E	**61.80**	49397	C	85	G1	100	7	25	123.60
80716-GY	**61.80**	49399	B	85	G1	100	6	25	102.90
80716-I	**61.80**	49400	B	85	G1	100	7	25	102.90
80716-OIG	**403.10**	00135	C	85	----	100	7	25	806.20
80716-ORG	**61.80**	78793	C	85	G1	100	7	25	123.60
80716-R	**61.80**	49402	C	85	----	25	2	1	123.60
80716-RE	**403.10**	81066	C	85	G1	100	16	25	806.20
80716-W	**61.80**	49404	B	85	G1	100	7	25	102.90
80718	**61.80**	49405	A	85	----	25	2	1	87.80
80718-E	**61.80**	49047	B	85	----	25	1	1	102.90
80718-GY	**61.80**	12034	A	85	G2	50	4	10	87.80
80718-I	**61.80**	49410	A	85	G2	50	4	10	87.80
80718-W	**61.80**	49414	A	85	G2	50	4	10	87.80
80719	**61.80**	97987	B	85	----	50	4	10	102.90
80719-E	**61.80**	98137	B	85	----	50	4	10	102.90
80719-GY	**61.80**	98119	B	85	----	50	4	10	102.90
80719-R	**61.80**	98096	B	85	----	50	4	10	102.90
80719-W	**61.80**	98003	B	85	----	50	4	10	102.90
80720	**103.00**	49415	B	85	G2	100	5	25	171.60
80720-E	**103.00**	12254	B	85	G2	100	4	25	171.60
80720-GY	**103.00**	12035	A	85	----	25	1	1	146.40
80720-I	**103.00**	49420	A	85	G2	100	5	25	146.40
80720-R	**103.00**	11911	C	85	G2	100	5	25	206.00
80720-W	**103.00**	11743	A	85	G2	100	5	25	146.40
80721-E	**161.70**	12148	B	85	G3	50	6	10	269.30
80721-I	**161.70**	49430	B	85	G3	50	7	10	269.30
80721-W	**161.70**	49434	B	85	----	25	3	1	269.30
80723-A	**274.30**	04754	B	85	----	20	5	10	456.90
80723-I	**274.30**	49440	B	85	----	20	5	10	456.90
80723-W	**274.30**	49444	B	85	----	20	4	10	456.90
80725	**133.60**	49445	B	85	G2	100	9	25	222.50
80725-A	**133.60**	02689	C	85	----	25	2	1	267.20
80725-E	**133.60**	12150	C	85	G2	100	9	25	267.20
80725-GY	**133.60**	49449	C	85	G2	100	9	25	267.20
80725-I	**133.60**	49450	B	85	G2	100	9	25	222.50
80725-W	**133.60**	49454	C	85	G2	100	10	25	267.20
80726	**196.10**	49455	C	85	G2	100	8	25	392.20
80726-I	**196.10**	49460	C	85	G2	100	8	25	392.20
80726-W	**196.10**	49464	C	85	G2	100	8	25	392.20

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
80728	**245.00**	49465	C	85	G2	100	5	25	490.00
80728-E	**245.00**	12152	B	85	G2	100	6	25	408.10
80728-GY	**245.00**	11916	C	85	G2	100	7	25	490.00
80728-I	**245.00**	49470	C	85	G2	100	5	25	490.00
80728-W	**245.00**	49474	C	85	G2	100	5	25	490.00
80730	**161.70**	97986	B	85	----	50	5	10	269.30
80730-A	**161.70**	04755	B	85	----	50	5	10	269.30
80730-E	**161.70**	98135	B	85	----	50	5	10	269.30
80730-GY	**161.70**	98118	B	85	----	50	5	10	269.30
80730-I	**161.70**	97875	B	85	----	50	5	10	269.30
80730-R	**161.70**	98095	B	85	----	50	5	10	269.30
80730-W	**161.70**	98002	B	85	----	25	2	1	269.30
80731-I	**161.70**	97882	B	85	----	50	6	10	269.30
80731-W	**161.70**	98011	B	85	----	50	6	10	269.30
80732-I	**370.80**	97885	B	85	----	50	8	10	617.70
80732-W	**370.80**	98015	B	85	----	50	7	10	617.70
80734	**123.60**	97988	B	85	----	50	6	10	205.90
80734-E	**123.60**	98138	B	85	----	50	7	10	205.90
80734-I	**123.60**	97877	B	85	----	25	3	1	205.90
80734-R	**123.60**	98097	B	85	----	25	3	1	205.90
80734-W	**123.60**	98016	B	85	----	50	6	10	205.90
80735	**185.40**	97989	B	85	----	50	7	10	308.80
80735-E	**185.40**	98139	B	85	----	50	7	10	308.80
80735-GY	**185.40**	98121	B	85	----	50	7	10	308.80
80735-I	**185.40**	97878	B	85	----	50	7	10	308.80
80735-W	**185.40**	98004	B	85	----	25	3	1	308.80
80736-I	**535.60**	49480	C	85	----	20	6	10	1,071.20
80736-W	**535.60**	49484	C	85	----	20	5	10	1,071.20
80743-I	**309.00**	97884	B	85	----	50	7	10	514.70
80743-W	**309.00**	98014	B	85	----	50	7	10	514.70
80745-A	**161.70**	04756	B	85	----	50	6	10	269.30
80745-I	**161.70**	97895	B	85	----	50	6	10	269.30
80745-W	**161.70**	98012	B	85	----	50	6	10	269.30
80746	**144.20**	97995	B	85	----	50	4	10	240.20
80746-A	**144.20**	98151	B	85	----	50	4	10	240.20
80746-E	**144.20**	98145	B	85	----	50	4	10	240.20
80746-GY	**144.20**	98126	B	85	----	25	2	1	240.20
80746-I	**144.20**	97880	B	85	----	100	7	25	240.20
80746-R	**144.20**	98103	B	85	----	20	1	1	240.20
80746-W	**144.20**	98009	B	85	----	100	7	25	240.20
80747-I	**226.60**	97883	B	85	----	50	5	10	377.50
80747-W	**226.60**	98013	B	85	----	50	6	10	377.50
80781-A	**1.10 EA**	03063		70	----	100	8	10	1.38 **EA**
80781-I	**1.10 EA**	81362		70	---	100	8	10	1.38 **EA**
80781-W	**1.10 EA**	81361		70	---	100	8	10	1.38 **EA**
80782-A	**2.14 EA**	03064		70	----	50	4	10	2.68 **EA**
80782-I	**2.14 EA**	81364		70	---	50	5	10	2.68 **EA**
80782-W	**2.14 EA**	81363		70	---	50	4	10	2.68 **EA**
80800	**23.50 EA**	77682	X	20	A11	10	8	1	29.30 **EA**
80800-GY	**23.50 EA**	77690	X	20	A11	10	8	1	29.30 **EA**
80800-I	**23.50 EA**	77634	X	20	A11	10	8	1	29.30 **EA**
80800-W	**23.50 EA**	77636	X	20	A11	10	8	1	29.30 **EA**
80800-3	**31.80 EA**	77684	X	20	A11	2	2	1	39.70 **EA**
80800-3GY	**31.80 EA**	77692	X	20	A11	2	2	1	39.70 **EA**
80800-3I	**31.80 EA**	77686	X	20	A11	2	2	1	39.70 **EA**
80800-3W	**31.80 EA**	77688	X	20	A11	2	2	1	39.70 **EA**
80827-I	**46.90 EA**	77702	X	20	A15	2	1	1	58.60 **EA**
80827-W	**46.90 EA**	77704	X	20	A15	2	1	1	58.60 **EA**
81000	**49.00 EA**	77706	X	20	A11	5	4	1	61.20 **EA**
81000-A	**49.00 EA**	01532	X	20	----	5	4	1	61.20 **EA**
81000-GY	**49.00 EA**	77714	X	20	A11	5	4	1	61.20 **EA**
81000-I	**49.00 EA**	77638	X	20	A11	5	4	1	61.20 **EA**
81000-LI	**53.80 EA**	77718	X	20	A11	5	4	1	67.20 **EA**
81000-LW	**53.80 EA**	77720	X	20	A11	5	4	1	67.20 **EA**
81000-L3I	**64.80 EA**	77722	X	20	A11	2	2	1	81.00 **EA**
81000-L3W	**64.80 EA**	77724	X	20	A11	2	1	1	81.00 **EA**
81000-W	**49.00 EA**	77640	X	20	A11	5	4	1	61.20 **EA**
81000-3	**60.20 EA**	77708	X	20	A11	2	2	1	75.20 **EA**
81000-3A	**60.20 EA**	01533	X	20	----	2	1	1	75.20 **EA**
81000-3GY	**60.20 EA**	77716	X	20	A11	2	1	1	75.20 **EA**
81000-3I	**60.20 EA**	77710	X	20	A11	2	2	1	75.20 **EA**
81000-3W	**60.20 EA**	77712	X	20	A11	2	2	1	75.20 **EA**
81001	**329.60**	41870	C	84	G4	200	54	20	659.20
81001-PB	**286.30**	98274	C	84	----	200	54	20	572.60
81003	**329.60**	41890	C	84	G5	200	30	20	659.20
81003-PB	**286.30**	98275	C	84	----	200	29	20	572.60
81004	**329.60**	41900	C	84	G6	100	16	10	659.20
81005	**659.20**	41910	C	84	G14	200	53	20	1,318.40
81009	**659.20**	41930	C	84	G4	200	59	20	1,318.40
81011	**988.80**	41950	C	84	G4	100	41	10	1,977.60
81011-PB	**859.00**	02474	C	84	----	100	41	10	1,718.00
81012	**1,318.40**	41960	C	84	G4	50	27	10	2,636.80
81012-PB	**1,145.40**	98278	C	84	----	50	27	10	2,290.80
81013	**329.60**	41970	C	84	G9	100	18	10	659.20
81013-PB	**286.30**	02653	C	84	----	100	18	10	572.60
81014	**329.60**	41980	C	84	G10	100	19	10	659.20
81015	**659.20**	41990	C	84	G5	100	24	10	1,318.40
81017	**329.60**	42000	C	84	G9	100	19	10	659.20
81017-PB	**286.30**	98282	C	84	----	100	19	10	572.60
81021	**988.80**	42010	C	84	G12	1	1	Bulk	1,977.60
81023	**2,198.10**	42020	C	84	G4	20	13	10	4,396.20
81025	**659.20**	78835	C	84	G10	50	16	10	1,318.40
81025-PB	**570.60**	02656	C	84	----	50	16	10	1,141.20
81036	**2,542.80**	42030	C	84	G5	1	1	Bulk	5,085.60
81040	**472.00**	42050	C	84	G12	1	1	Bulk	944.00
81045	**943.40**	42100	C	84	G17	1	1	Bulk	1,886.80
81079	**700.40**	81183	C	84	G13	1	1	----	1,400.80
81080	**679.90**	82527	C	84	G13	1	1	Bulk	1,359.80
81127-I	**60.20 EA**	77726	X	20	A15	2	2	1	75.20 **EA**
81127-W	**60.20 EA**	77728	X	20	A15	2	2	1	75.20 **EA**
81401	**313.80**	42302	C	84	A16	50	7	10	627.60
81401-PB	**286.30**	98283	C	84	----	50	8	10	572.60
81409	**627.70**	42305	C	84	A16	50	11	10	1,255.40
81409-PB	**570.60**	00131	C	84	----	50	11	10	1,141.20
81411	**941.60**	42307	C	84	A16	20	6	10	1,883.20
81411-PB	**859.00**	02392	C	84	----	20	6	10	1,718.00
81412	**1,405.10**	81178	C	84	A16	1	1	----	2,810.20
81423	**2,736.60**	81179	C	84	A16	1	1	----	5,473.20
81500	**91.80 EA**	77730	X	20	A11	2	2	1	114.70 **EA**
81500-A	**91.80 EA**	01537	X	20	----	2	1	1	114.70 **EA**
81500-GY	**91.80 EA**	77742	X	20	A11	2	2	1	114.70 **EA**
81500-I	**91.80 EA**	77732	X	20	A11	2	2	1	114.70 **EA**
81500-W	**91.80 EA**	77734	X	20	A11	2	2	1	114.70 **EA**
81500-3	**101.70 EA**	77736	X	20	A11	2	2	1	127.10 **EA**
81500-3A	**101.70 EA**	01538	X	20	----	2	1	1	127.10 **EA**
81500-3GY	**101.70 EA**	77744	X	20	A11	2	2	1	127.10 **EA**
81500-3I	**101.70 EA**	77738	X	20	A11	2	2	1	127.10 **EA**
81500-3W	**101.70 EA**	77740	X	20	A11	2	2	1	127.10 **EA**
81527-I	**98.10 EA**	77555	X	20	A15	2	2	1	122.60 **EA**
81527-W	**98.10 EA**	77754	X	20	A15	2	2	1	122.60 **EA**
82000	**127.20 EA**	77756	X	20	A11	2	2	1	159.00 **EA**
82000-A	**127.20 EA**	01535	X	20	----	2	1	1	159.00 **EA**
82000-GY	**127.20 EA**	77768	X	20	A11	2	2	1	159.00 **EA**
82000-I	**127.20 EA**	77758	X	20	A11	2	2	1	159.00 **EA**
82000-LI	**139.50 EA**	77772	X	20	A11	2	2	1	174.30 **EA**
82000-LW	**139.50 EA**	77774	X	20	A11	2	2	1	174.30 **EA**
82000-L3I	**172.50 EA**	77776	X	20	A11	2	2	1	215.60 **EA**
82000-L3W	**172.50 EA**	77778	X	20	A11	2	2	1	215.60 **EA**
82000-PRT	**1,007.30**	98636	C	10	----	100	24	10	2,014.60
82000-W	**127.20 EA**	77760	X	20	A11	2	2	1	159.00 **EA**
82000-3A	**148.00 EA**	01536	X	20	----	2	1	1	185.00 **EA**
82000-3I	**148.00 EA**	77764	X	20	A11	2	2	1	185.00 **EA**
82000-3W	**148.00 EA**	77766	X	20	A11	2	2	1	185.00 **EA**
82001	**24.40**	96612	B	80	----	250	17	25	40.60
82003	**24.40**	82809	B	80	----	250	14	25	40.60
82004	**35.70**	98638	B	80	----	100	7	25	59.40
82005	**48.80**	97788	A	80	----	250	25	25	69.30
82009	**48.80**	96611	B	80	----	250	27	25	81.30
82011	**73.20**	96766	A	80	----	100	16	10	104.00
82012	**193.00**	97789	B	80	----	50	11	10	321.50

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
82013	**35.70**	81393	B	80	G9	100	8	25	59.40
82014	**35.70**	81394	B	80	G10	100	7	25	59.40
82016	**48.80**	82810	B	80	----	100	9	25	81.30
82021	**181.80**	97790	B	80	----	100	15	10	302.80
82023	**485.40**	98619	B	80	----	20	7	10	808.60
82025	**114.30**	98624	C	80	----	100	13	25	228.60
82036	**564.20**	98620	B	80	----	20	8	10	939.90
¥ **82400-PRT**	**1,053.90**	79936	C	10	A18	100	17	10	2,107.80
82601	**96.60**	04435	B	61	----	100	9	25	160.90
82602	**194.90**	04402	B	61	----	50	7	25	324.70
¥ **83000-PRT**	**1,008.20**	79938	C	10	G27	100	43	10	2,016.40
83001	**97.50**	42310	C	84	G4	200	12	20	195.00
83003	**97.50**	42330	C	84	G5	200	11	20	195.00
83004	**97.50**	78375	C	84	G6	100	6	10	195.00
83005	**205.10**	42350	C	84	G14	50	7	10	410.20
83009	**205.10**	42370	C	84	G4	200	19	20	410.20
83011	**307.50**	42390	C	84	G4	50	15	10	615.20
83012	**410.00**	78377	C	84	G4	1	1	Bulk	820.00
83013	**97.50**	42410	C	84	G9	1	1	Bulk	195.00
83014	**97.50**	42420	C	84	G10	100	7	10	195.00
83016	**205.10**	42430	C	84	G5	100	9	10	410.20
83017	**97.50**	42440	C	84	G9	1	1	Bulk	195.00
83025-EXT	**195.20**	86862	C	84	----	100	13	10	390.40
83026	**237.60**	42480	C	84	G12	100	9	10	475.20
83028	**118.50**	42490	C	84	G12	100	6	10	237.00
83401	**225.20**	42782	C	84	G8	50	3	10	450.40
83409	**540.50**	42784	C	84	A16	50	5	10	1,081.00
83411	**860.80**	42786	C	84	A16	1	1	Bulk	1,721.60
¥ **84000-PRT**	**2,096.90**	42788	C	10	G27	100	25	10	4,193.80
84000-T	**3,145.40**	20056	C	10	G27	100	24	10	6,290.80
84000-TSD	**2,334.20**	20064	C	10	G27	10	3	Bulk	4,668.40
84001	**91.10**	11918	A	84	G4	200	25	20	129.50
84001-E40	**1,192.60**	20141	C	10	G17	1	1	Bulk	2,385.20
84001-40	**118.90**	42800	A	84	G4	200	27	20	169.00
84003	**91.10**	78189	A	84	G5	200	20	20	129.50
84003-E40	**1,192.60**	20137	C	10	G17	100	11	10	2,385.20
84003-G40	**1,192.60**	01690	C	10	----	100	1	10	2,385.20
84003-IG	**1,192.60**	20147	C	10	G17	100	15	10	2,385.20
84003-40	**118.90**	42840	A	84	G5	200	20	20	169.00
84004-40	**117.20**	42860	A	84	G6	100	12	10	166.60
84005	**234.40**	42870	A	84	G14	200	35	20	333.30
84005-40	**285.40**	12045	A	84	G14	200	39	20	405.80
84006-40	**437.50**	81248	C	84	G15	100	23	10	875.00
84007	**288.10**	42890	C	84	G14	100	19	10	576.20
84007-40	**411.70**	42900	C	84	G14	1	1	Bulk	823.40
84008-40	**411.70**	81253	C	84	G16	100	21	10	823.40
84009	**182.20**	42910	A	84	G4	200	42	20	259.00
84009-40	**237.80**	42920	A	84	G4	200	44	20	338.10
84011	**273.30**	42960	A	84	G4	100	28	10	388.60
84011-40	**356.70**	42970	A	84	G4	100	32	10	507.20
84012	**469.00**	42980	C	84	G4	50	19	10	938.00
84012-40	**644.90**	42990	C	84	G4	50	21	10	1,289.80
84013	**117.20**	43015	A	84	G9	100	12	10	166.60
84013-40	**142.60**	43017	A	84	G9	100	14	10	202.70
84014	**117.20**	43020	A	84	G10	100	14	10	166.60
84014-40	**142.60**	43030	A	84	G10	100	15	10	202.70
84016	**213.90**	43040	A	84	G5	100	16	10	304.10
84016-E40	**1,341.20**	20311	C	84	G17	1	1	Bulk	2,682.40
84016-40	**260.40**	43050	A	84	G5	100	16	10	370.20
84017-40	**117.20**	43070	C	84	G9	100	13	10	234.40
84018-40	**163.20**	43072	C	84	G10	100	32	10	326.40
84019	**163.20**	43073	C	84	G11	100	16	10	326.40
84019-40	**186.80**	43074	C	84	G11	100	16	10	373.60
84020-40	**237.90**	43075	C	84	G12	100	13	10	475.80
84021-40	**351.50**	43090	C	84	G14	100	26	10	703.00
84022	**288.10**	43100	C	84	G12	50	5	10	576.20
84023-40	**586.10**	43120	C	84	G4	20	9	10	1,172.20
84025	**234.40**	43123	C	84	G10	100	35	10	468.80
84025-40	**285.40**	43124	C	84	G10	100	23	10	570.80
84026	**288.10**	43130	C	84	G12	100	18	10	576.20
84028	**163.20**	43140	C	84	G12	100	10	10	326.40
84030-40	**488.50**	78003	C	84	G5	100	21	10	977.00
84033-40	**428.10**	43145	C	84	G11	50	15	10	856.20
84034-40	**373.80**	78029	C	84	G11	100	29	10	747.60
84035-40	**560.40**	78071	C	84	G11	100	39	10	1,120.80
84036-40	**703.40**	43160	C	84	G5	20	10	10	1,406.80
84037-40	**186.80**	78077	C	84	G10	100	17	10	373.60
84039-40	**326.20**	43180	C	84	G13	100	19	10	652.40
84040-40	**326.20**	43200	C	84	G12	1	1	Bulk	652.40
84041	**652.30**	43210	C	84	G5	50	14	10	1,304.60
84043	**652.30**	43250	C	84	G14	1	1	----	1,304.60
84045-40	**747.30**	43300	C	84	G17	1	1	Bulk	1,494.60
84046-40	**285.40**	78087	C	84	G15	100	18	10	570.80
84047-40	**437.50**	81257	C	84	G16	1	1	----	875.00
84048-40	**5,435.70**	77995	C	84	G5	1	1	Bulk	10,871.40
84049-40	**6,115.40**	77997	C	84	G5	1	1	Bulk	12,230.80
84050-40	**6,794.80**	77999	C	84	G5	1	2	----	13,589.60
84052-40	**276.40**	78009	C	84	G6	100	20	10	552.80
84055-40	**934.30**	78005	C	84	G5	20	6	10	1,868.60
84056-40	**1,121.20**	78007	C	84	G5	20	9	10	2,242.40
84057-40	**747.30**	81236	C	84	G11	1	1	----	1,494.60
84061-40	**142.60**	78073	C	84	G9	100	15	10	285.20
84062-40	**285.40**	78083	C	84	G9	100	24	10	570.80
84064	**652.30**	78019	C	84	G11	50	19	10	1,304.60
84064-40	**747.30**	78013	C	84	G11	50	23	10	1,494.60
84065-40	**933.90**	78021	C	84	G11	20	9	10	1,867.80
84066-40	**1,121.20**	78023	C	84	G11	20	12	10	2,242.40
84067-40	**4,756.30**	78025	C	84	G11	1	1	Bulk	9,512.60
84068-40	**5,435.70**	78027	C	84	G11	1	1	Bulk	10,871.40
84070-40	**4,529.90**	78314	C	84	G5	1	1	Bulk	9,059.80
84077-40	**373.80**	78079	C	84	G15	100	42	10	747.60
84078-40	**373.80**	81251	C	84	G16	1	1	----	747.60
84079-40	**373.80**	78807	C	84	G13	100	15	10	747.60
84080-40	**373.80**	78075	C	84	G13	100	17	10	747.60
84081-40	**747.30**	20167	C	84	G13	1	1	Bulk	1,494.60
84085-40	**560.40**	78091	C	84	G16	100	23	10	1,120.80
84087-40	**373.80**	78089	C	84	G16	100	21	10	747.60
84088-40	**560.40**	78069	C	84	G14	1	1	Bulk	1,120.80
84090-40	**900.40**	78081	C	84	----	1	1	Bulk	1,800.80
84092-40	**373.80**	78085	C	84	G13	100	22	10	747.60
84101	**170.10**	20174	B	84	G22	100	17	25	283.30
84101-40	**195.40**	20192	B	84	G22	100	19	25	325.50
84103	**170.10**	20202	B	84	G22	100	15	25	283.30
84103-40	**195.40**	20219	B	84	G22	100	28	25	325.50
84104-40	**208.90**	20231	C	84	G23	50	9	10	417.80
84105-40	**407.70**	20281	C	84	G24	50	15	10	815.40
84109-40	**340.00**	20291	C	84	G22	50	14	10	680.00
84111-40	**510.00**	20331	C	84	G22	50	21	10	1,020.00
84112-40	**1,358.90**	20356	C	84	G22	1	1	Bulk	2,717.80
84114	**203.80**	20358	C	84	G23	100	18	25	407.60
84114-40	**229.30**	20361	C	84	G23	100	20	10	458.60
84116	**407.70**	20371	C	84	G22	100	23	10	815.40
84116-40	**458.70**	20381	C	84	G22	100	24	10	917.40
84119-40	**285.40**	20391	C	84	G23	50	12	10	570.80
84121-40	**687.90**	20421	C	84	G24	1	1	Bulk	1,375.80
84125-40	**407.70**	20411	C	84	G23	50	15	10	815.40
84130-40	**856.80**	20511	C	84	G22	1	1	Bulk	1,713.60
84133-40	**611.60**	20491	C	84	G23	20	9	10	1,223.20
84134-40	**543.60**	20501	C	84	G24	50	19	10	1,087.20
84137-40	**244.70**	20551	C	84	G23	50	13	10	489.40
84145-40	**407.70**	20571	C	84	G24	1	1	Bulk	815.40
84147-40	**1,087.10**	20581	C	84	G24	20	7	10	2,174.20
84400-PRT	**1,081.80**	79935	C	10	----	100	21	10	2,163.60
84401-40	**155.10**	43512	C	84	A16	50	4	10	310.20
84409-40	**310.20**	43514	C	84	A16	50	10	10	620.40
84411-40	**465.40**	43516	C	84	A16	20	5	10	930.80
84412-40	**620.50**	43517	C	84	A16	1	1	----	1,241.00
84421-40	**465.40**	81245	C	84	G14	1	1	----	930.80
84423-40	**1,215.40**	43519	C	84	A16	1	1	----	2,432.80
84436-40	**1,488.10**	43521	C	84	A16	1	1	Bulk	2,976.20

ITEMS WITH 'EA' ARE PRICED PER EACH

Cost per single unit pack containing 100 screws (8x500 unit packs contain 50 screws).

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
¥ 84440-PRT	1,102.40	79951	C	10	G27	100	21	10	2,204.80
84441-40	1,102.40	85621	C	84	----	1	1	Bulk	2,204.80
84442-40	1,102.40	85622	C	84	----	1	1	Bulk	2,204.80
84455-40	465.40	78095	C	84	G27	100	16	10	930.80
¥ 84500-PRT	2,405.50	77379	C	10	G27	100	19	10	4,811.00
¥ 85000-PRT	1,008.20	43518	C	10	G27	100	25	10	2,016.40
85001	24.40	15128	A	80	G4	250	16	25	34.70
85003	24.40	15129	A	80	G5	250	13	25	34.70
85004	35.70	43550	C	80	G6	100	8	25	71.40
85005	48.80	43560	A	80	G14	250	25	25	69.30
85006	108.20	77935	C	80	G15	250	29	25	216.40
85007	108.20	43580	C	80	G14	100	14	25	216.40
85008	108.20	78103	C	80	G16	250	25	25	216.40
85009	48.80	15140	A	80	G4	250	27	25	69.30
85011	72.60	43610	A	80	G4	100	16	10	103.20
85012	193.00	43620	C	80	G4	50	11	10	386.00
85013	35.70	43630	B	80	G9	100	8	25	59.40
85014	35.70	43640	B	80	G10	100	8	25	59.40
85016	48.80	43650	B	80	G5	100	9	25	81.30
85017	40.10	43660	C	80	G9	100	9	25	80.20
85018	91.80	43665	C	80	G10	100	10	10	183.60
85019	91.80	77604	B	80	G11	100	9	10	152.90
85021	181.80	43670	C	80	G14	100	15	10	363.60
85023	485.40	43680	C	80	G4	20	6	10	970.80
85025	114.30	43690	B	80	G10	100	13	25	190.40
85030	181.80	77937	C	80	G5	50	7	10	363.60
85033	226.80	77973	C	80	G11	50	9	10	453.60
85034	181.80	78061	B	80	G11	100	18	10	302.80
85036	564.20	43700	C	80	G5	20	7	10	1,128.40
85041	485.40	77939	C	80	G5	50	8	10	970.80
85047	181.80	77941	C	80	G16	100	15	10	363.60
85057	564.20	78057	C	80	G11	20	7	5	1,128.40
85064	395.50	77945	C	80	G11	50	12	10	791.00
85101	72.60	43710	B	80	G22	100	10	25	120.90
85103	72.60	43720	B	80	G22	100	9	25	120.90
85105	200.90	43730	C	80	G24	50	9	25	401.80
85106	226.80	43734	C	80	G24	50	10	25	453.60
85108	226.80	43736	C	80	G24	50	10	25	453.60
85109	145.20	43740	B	80	G22	50	7	25	241.90
85111	217.90	77921	C	80	G22	50	12	10	435.80
85114	97.30	77608	C	80	G23	100	12	10	194.60
85116	145.30	43750	C	80	G22	50	8	25	290.60
85301	51.00	87940	C	80	G25	100	8	Bulk	102.00
85303	51.00	43770	C	80	G25	100	6	25	102.00
85308	117.10	43786	C	80	G25	100	13	25	234.20
85309	102.00	43790	C	80	G25	100	13	25	204.00
¥ 85400-PRT	1,053.90	43826	C	10	A18	100	17	10	2,107.80
¥ 86000-PRT	1,008.20	43838	C	10	G27	100	25	10	2,016.40
86001	24.40	15122	A	80	G4	250	18	25	34.70
86003	24.40	15124	A	80	G5	250	14	25	34.70
86004	35.70	77291	A	80	G6	100	8	25	50.70
86005	48.80	15136	A	80	G14	250	25	25	69.30
86006	108.20	77947	C	80	G15	250	30	25	216.40
86007	108.20	43890	C	80	G14	100	14	25	216.40
86008	108.20	77949	C	80	G16	250	28	25	216.40
86009	48.80	15123	A	80	G4	250	29	25	69.30
86011	73.20	15138	A	80	G4	100	16	10	104.00
86012	193.00	43930	C	80	G4	50	11	10	386.00
86013	35.70	43940	A	80	G9	100	7	25	50.70
86014	35.70	15139	A	80	G10	100	8	25	50.70
86016	48.80	15137	A	80	G5	100	9	25	69.30
86017	40.10	77293	C	80	G9	100	9	25	80.20
86018	91.80	43975	C	80	G10	100	9	10	183.60
86019	91.80	77612	B	80	G11	100	10	10	152.90
86021	181.80	43980	C	80	G14	100	15	10	363.60
86023	485.40	43990	C	80	G4	20	6	10	970.80
86025	114.30	44000	C	80	G10	100	12	25	228.60
86030	181.80	77959	C	80	G5	50	7	10	363.60
86033	226.80	77975	C	80	G11	50	9	10	453.60
86034	181.80	78037	B	80	G11	100	18	10	302.80
86035	271.80	78049	C	80	G11	50	13	5	543.60
86036	564.20	44010	C	80	G5	20	8	10	1,128.40
86037	91.80	77923	B	80	G10	100	10	10	152.90
86041	485.40	77963	C	80	G5	50	8	10	970.80
86046	395.50	81379	C	84	G15	100	18	10	791.00
86047	181.80	77929	C	80	G16	100	15	10	363.60
86052	226.80	78051	C	80	G6	250	27	25	453.60
86057	564.20	77907	C	80	G11	25	8	5	1,128.40
86062	181.80	77989	C	80	G9	250	32	25	363.60
86064	395.50	77951	C	80	G11	50	11	10	791.00
86077	226.80	78015	C	80	G16	200	28	20	453.60
86078	226.80	78119	C	80	G16	200	26	20	453.60
86079	564.20	81375	C	84	G13	1	1	----	1,128.40
86080	271.80	78796	C	84	G13	100	41	10	543.60
86085	395.50	81385	C	84	G16	1	1	----	791.00
86087	395.50	81383	C	84	G16	1	1	----	791.00
86101	72.60	15125	B	80	G22	100	11	25	120.90
86103	72.60	77522	B	80	G22	100	9	25	120.90
86105	200.90	77295	C	80	G24	50	9	25	401.80
86106	226.80	44044	C	80	G24	50	10	25	453.60
86108	226.80	44046	C	80	G24	50	9	25	453.60
86109	145.20	44050	B	80	G22	50	10	25	241.90
86111	217.90	77925	C	80	G22	50	11	10	435.80
86113	97.30	77614	C	80	G23	100	13	10	194.60
86114	97.30	77616	C	80	G22	100	12	10	194.60
86116	145.30	44060	C	80	G23	50	8	25	290.60
86301	DISCONTINUED								
86303	51.00	44080	C	80	G25	100	6	25	102.00
86305	105.10	44090	C	80	G25	100	10	25	210.20
86306	116.20	44093	C	80	G25	100	14	25	232.40
86308	116.20	44096	C	80	G25	100	11	25	232.40
86309	102.00	44100	C	80	G25	100	12	25	204.00
86316	102.00	44110	C	80	G25	100	10	25	204.00
¥ 86400-PRT	1,053.90	44120	C	10	A18	100	17	10	2,107.80
¥ 86500-PRT	1,156.50	77383	C	10	G27	100	18	10	2,313.00
86593-EM	17.60 EA	84472	C	05	----	10	9	1	35.20 EA
86601	96.60	01656	B	61	----	100	9	Bulk	160.90
86602	194.90	01661	B	61	----	50	9	Bulk	324.70
86605	194.90	01659	B	61	----	50	9	Bulk	324.70
* 86676-1I	71.50 EA	79227	X	20	A12	2	2	1	89.30 EA
* 86676-1W	71.50 EA	79232	X	20	A12	2	1	1	89.30 EA
86676-7I	94.50 EA	79234	X	20	A12	2	1	1	118.10 EA
86676-7W	94.50 EA	79233	X	20	A12	2	1	1	118.10 EA
* 86677-1I	104.10 EA	79228	X	20	A12	2	2	1	130.10 EA
* 86677-1W	104.10 EA	79235	X	20	A12	2	2	1	130.10 EA
86677-7I	136.00 EA	80823	X	20	A12	2	2	1	170.00 EA
86677-7W	136.00 EA	80822	X	20	A12	2	2	1	170.00 EA
* 86678-1I	152.90 EA	79229	X	20	A12	1	1	----	191.10 EA
* 86678-1W	152.90 EA	80541	X	20	A12	1	1	----	191.10 EA
86678-7I	217.00 EA	79240	X	20	A12	1	1	----	271.20 EA
* 86679-1I	196.40 EA	79230	X	20	A12	2	2	1	245.50 EA
* 86679-1W	196.40 EA	79241	X	20	A12	2	2	1	245.50 EA
86679-7I	259.60 EA	79243	X	20	A12	1	2	----	324.50 EA
86679-7W	259.60 EA	80825	X	20	A12	1	1	----	324.50 EA
87000-PRT	1,008.20	79937	C	10	----	100	25	10	2,016.40
87001	24.40	81071	B	80	G4	250	17	25	40.60
87003	24.40	81072	B	80	G5	250	14	25	40.60
87004	35.70	81054	B	80	G6	100	6	25	59.40
87005	48.80	81068	B	80	G14	250	17	25	81.30
87006	108.20	81057	C	80	G15	250	29	25	216.40
87009	48.80	81058	B	80	G4	250	28	25	81.30
87011	73.20	81060	B	80	G4	100	20	10	121.90
87012	193.00	81059	C	80	G4	50	11	10	386.00
87014	35.70	81052	B	80	G10	100	7	25	59.40
87016	48.80	81055	B	80	G5	100	10	25	81.30
87018	91.80	81053	C	80	G10	100	10	10	183.60
87021	181.80	81061	C	80	G14	100	15	10	363.60
87025	114.30	81056	C	80	G10	100	12	25	228.60
87101	72.60	87937	C	80	----	100	10	Bulk	145.20
87109	145.20	87938	C	80	----	50	10	25	290.40

ITEMS WITH 'EA' ARE PRICED PER EACH

* Cost per single unit pack containing 100 screws (8x500 unit packs contain 50 screws).

DISTRIBUTOR NET COST AND INDEX 6C

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
87116	**145.20**	87936	C	80	----	50	8	25	290.40
¥ **87400-PRT**	**1,088.90**	77385	C	10	A18	100	17	10	2,177.80
¥ **88000-PRT**	**1,008.20**	44308	C	10	G27	100	24	10	2,016.40
88001	**24.40**	15131	A	80	G4	250	16	25	34.70
88003	**24.40**	15133	A	80	G5	250	14	25	34.70
88004	**35.70**	44340	A	80	G6	100	8	25	50.70
88005	**48.80**	77297	A	80	G14	250	25	25	69.30
88006	**108.20**	77953	C	80	G15	250	29	25	216.40
88007	**108.20**	44360	C	80	G14	100	13	25	216.40
88008	**108.20**	78053	C	80	G16	250	28	25	216.40
88009	**48.80**	15132	A	80	G4	250	28	25	69.30
88011	**73.20**	44380	A	80	G4	100	16	10	104.00
88012	**193.00**	44390	B	80	G4	50	10	10	321.50
88013	**35.90**	44400	A	80	G9	100	7	25	51.00
88014	**35.70**	77299	A	80	G10	100	7	25	50.70
88016	**48.80**	44420	A	80	G5	100	9	25	69.30
88017	**40.10**	44430	C	80	G9	100	9	25	80.20
88018	**91.80**	44435	C	80	G10	100	9	10	183.60
88019	**91.80**	77620	B	80	G11	100	9	10	152.90
88021	**181.80**	44440	B	80	G14	100	15	10	302.80
88023	**485.40**	44450	C	80	G4	20	6	10	970.80
88025	**114.30**	44460	C	80	G10	100	12	25	228.60
88030	**181.80**	77955	C	80	G5	50	7	10	363.60
88033	**226.80**	77977	C	80	G11	50	9	10	453.60
88034	**181.80**	78039	B	80	G11	100	17	10	302.80
88035	**271.80**	78097	C	80	G11	50	12	5	543.60
88036	**564.20**	44470	C	80	G5	20	8	10	1,128.40
88037	**91.80**	77927	B	80	G10	100	9	10	152.90
88041	**485.40**	77967	C	80	G5	50	8	10	970.80
88046	**395.50**	81380	C	84	----	50	5	10	791.00
88047	**181.80**	77961	C	80	G16	100	15	10	363.60
88052	**226.80**	78055	C	80	G6	250	26	25	453.60
88057	**564.20**	77965	C	80	G11	25	8	5	1,128.40
88062	**181.80**	77991	C	80	G9	250	30	25	363.60
88064	**395.50**	77957	C	80	G11	50	11	10	791.00
88077	**226.80**	78047	C	80	G16	200	28	20	453.60
88078	**226.80**	78059	C	80	G16	200	25	20	453.60
88079	**564.20**	81376	C	84	G13	1	1	----	1,128.40
88080	**271.80**	78795	C	84	G13	100	16	10	543.60
88085	**395.50**	81386	C	84	G16	1	1	----	791.00
88087	**395.50**	81384	C	84	G16	1	1	----	791.00
88101	**72.60**	44072	C	80	G22	100	11	25	145.20
88103	**72.60**	44073	C	80	G22	100	9	25	145.20
88105	**200.90**	44075	C	80	G24	50	9	25	401.80
88106	**226.80**	82540	C	80	G24	50	10	25	453.60
88109	**145.20**	44077	C	80	G22	50	7	25	290.40
88111	**217.90**	78017	C	80	G22	50	11	10	435.80
88113	**97.30**	77622	C	80	G26	100	13	10	194.60
88114	**97.30**	77624	C	80	G26	100	12	10	194.60
88116	**145.30**	11338	C	80	G22	50	7	25	290.60
88301	**51.00**	87933	C	80	G25	100	7	25	102.00
88303	**51.00**	79944	C	80	G25	100	6	25	102.00
88305	**105.10**	79945	C	80	G25	100	10	25	210.20
88306	**116.20**	79946	C	80	G25	100	13	25	232.40
88308	**116.20**	79947	C	80	G25	100	12	25	232.40
88309	**102.00**	79948	C	80	G25	100	12	25	204.00
88316	**102.00**	79949	C	80	G25	100	9	25	204.00
¥ **88400-PRT**	**1,053.90**	44480	C	10	A18	100	18	10	2,107.80
¥ **88500-PRT**	**1,156.50**	77389	C	10	G27	100	18	10	2,313.00
88601	**96.60**	01657	B	61	----	100	9	Bulk	160.90
88602	**194.90**	01658	B	61	----	50	9	Bulk	324.70
88605	**194.90**	01660	B	61	----	50	8	Bulk	324.70
¥ **89400-PRT**	**1,053.90**	79934	C	10	A18	100	17	10	2,107.80
¥ **89500-PRT**	**1,156.50**	77391	C	10	G27	100	18	10	2,313.00
* **90572**	**179.40**	02052	C	10	L1	250	8	25	358.80
* **90572-L03**	**179.40**	80981	C	10	----	100	4	25	358.80
* **90577-L10**	**199.20**	12666	C	10	----	100	5	10	398.40
* **90577-10**	**210.90**	02054	C	10	----	250	10	25	421.80
* **90679-1**	**202.20**	85608	C	10	----	100	4	10	404.40
* **95065**	**719.00**	11340	C	10	----	100	19	10	1,438.00
* **95080**	**419.80**	49040	C	10	----	100	11	10	839.60
* **95110**	**427.20**	49060	C	10	K4	100	12	10	854.40
97092	**784.40**	44625	C	10	K4	100	13	10	1,568.80

ITEMS WITH 'EA' ARE PRICED PER EACH

Cost per single unit pack containing 100 screws (8x500 unit packs contain 50 screws).

DISTRIBUTOR NET COST AND INDEX 6C - CARDED, BLISTERPACK & CLAMSHELL DEVICES

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
001-A1511-450	5.80 EA	44819	B	97	----	48	11	12	9.60 EA
830-A9002	1,287.50	86007	C	10	----	30	13	5	2,575.00
830-A9003	1,545.00	86008	C	10	----	30	9	5	3,090.00
830-A9010	7,500.00	86009	C	10	----	3	11	1	15,000.00
831-C0218-I	4.05 EA	85928		70	----	50	13	5	5.06 EA
831-C0219-I	3.35 EA	85929		70	----	50	14	5	4.19 EA
830-C0224	2.00 EA	86010		70	----	50	13	5	2.50 EA
831-C0229-I	2.15 EA	85627		70	----	50	9	5	2.69 EA
832-C0229-W	2.15 EA	85629		70	----	50	9	5	2.69 EA
830-C0244	2.25 EA	86078		70	----	50	4	5	2.81 EA
831-C0245-I	1.50 EA	85631		70	----	50	7	5	1.88 EA
832-C0245-W	1.50 EA	85633		70	----	50	6	5	1.88 EA
831-C0246-I	1.38 EA	85634		70	----	50	5	5	1.73 EA
831-C0247-I	1.35 EA	85636		70	----	50	4	5	1.69 EA
832-C0247-W	1.35 EA	85638		70	----	50	3	5	1.69 EA
830-C0248-I	2.25 EA	86079		70	----	50	4	5	2.81 EA
831-C0249-I	1.50 EA	85931		70	----	50	9	5	1.88 EA
832-C0249-W	1.50 EA	85932		70	----	50	9	5	1.88 EA
831-C0250-I	1.16 EA	85654		70	----	50	4	5	1.45 EA
832-C0250-W	1.16 EA	85662		70	----	50	4	5	1.45 EA
831-C0251-I	1.70 EA	85933		70	----	50	5	5	2.13 EA
831-C0252-I	1.70 EA	85664		70	----	50	5	5	2.13 EA
832-C0252-W	1.70 EA	85667		70	----	50	6	5	2.13 EA
831-C0253-I	2.00 EA	85680		70	----	50	12	5	2.50 EA
832-C0253-W	2.00 EA	85934		70	----	50	11	5	2.50 EA
831-C0254-I	2.36 EA	85935		70	----	50	11	5	2.95 EA
832-C0254-W	2.36 EA	85983		70	----	50	11	5	2.95 EA
831-C0255-I	1.20 EA	85689		70	----	50	6	5	1.50 EA
832-C0255-W	1.20 EA	85691		70	----	50	7	5	1.50 EA
830-C0257	1.25 EA	85710		70	----	50	3	5	1.56 EA
835-C0258-50I	3.00 EA	85718		70	----	50	30	5	3.75 EA
831-C0260-I	5.00 EA	85725		70	----	30	11	5	6.25 EA
831-C0261-I	4.00 EA	85727		70	----	30	8	5	5.00 EA
831-C0263	2.50 EA	86269		70	----	50	5	5	3.13 EA
831-C0264-I	6.50 EA	85937		70	----	30	9	5	8.13 EA
831-C0266-I	6.50 EA	85938		70	----	30	13	5	8.13 EA
830-C0268	7.50 EA	86081		70	----	50	1	5	9.38 EA
830-C0292	2.50 EA	85750		70	----	50	10	5	3.13 EA
830-C0294	4.00 EA	85780		70	----	50	6	5	5.00 EA
831-C2406-25I	3.10 EA	85787		70	----	50	21	5	3.88 EA
832-C2406-25W	3.10 EA	85790		70	----	50	20	5	3.88 EA
830-C2407-15E	2.00 EA	85941		70	----	50	13	5	2.50 EA
831-C2407-15I	2.00 EA	85809		70	----	50	12	5	2.50 EA
832-C2407-15W	2.00 EA	85812		70	----	50	13	5	2.50 EA
833-C2407-25C	3.00 EA	85922		70	----	50	18	5	3.75 EA
838-C2407-25E	3.00 EA	85918		70	----	50	18	5	3.75 EA
834-C2407-25G	3.00 EA	85924		70	----	50	18	5	3.75 EA
835-C2407-25I	3.00 EA	85814		70	----	50	18	5	3.75 EA
836-C2407-25W	3.00 EA	85985		70	----	50	19	5	3.75 EA
843-C2407-7E	1.50 EA	86757		70	----	50	9	5	1.88 EA
841-C2407-7I	1.50 EA	86753		70	----	50	9	5	1.88 EA
842-C2407-7W	1.50 EA	86754		70	----	50	9	5	1.88 EA
831-C2411-25I	2.75 EA	85944		70	----	50	18	5	3.44 EA
831-C2413-15I	1.88 EA	85946		70	----	50	13	5	2.35 EA
832-C2413-15W	1.88 EA	85947		70	----	50	14	5	2.35 EA
835-C2413-25I	2.25 EA	85825		70	----	50	20	5	2.81 EA
836-C2413-25W	2.25 EA	85827		70	----	50	20	5	2.81 EA
837-C2413-50I	3.00 EA	86085		70	----	50	34	5	3.75 EA
838-C2413-50W	3.00 EA	86086		70	----	50	31	5	3.75 EA
833-C2413-7I	1.40 EA	86087		70	----	50	9	5	1.75 EA
834-C2413-7W	1.40 EA	86088		70	----	50	8	5	1.75 EA
831-C2427-25I	3.00 EA	85858		70	----	50	21	5	3.75 EA
831-C2428-I	20.00 EA	85860		70	----	30	20	5	25.00 EA
839-C2429-C	DISCONTINUED								
830-C2431	750.00	85898	C	10	----	30	5	5	1,500.00
830-C2432	750.00	85899	C	10	----	30	6	5	1,500.00
830-C2433	650.00	86020	C	10	----	30	5	5	1,300.00
830-C2435	650.00	85900	C	10	----	30	4	5	1,300.00
830-C2436	650.00	86027	C	10	----	30	5	5	1,300.00
830-C2439	650.00	86032	C	10	----	30	5	5	1,300.00
830-C2440	2,000.00	86089	C	10	----	30	8	5	4,000.00
831-C2441	2.00 EA	86236		70	----	50	5	5	2.50 EA
830-C2443	4.75 EA	85904		70	----	50	5	5	5.94 EA
831-C2447-I	3.00 EA	85909		70	----	50	11	5	3.75 EA
832-C2447-W	3.00 EA	85915		70	----	50	11	5	3.75 EA
831-C2448-I	2.00 EA	85951		70	----	50	13	5	2.50 EA
832-C2448-W	2.00 EA	85954		70	----	50	10	5	2.50 EA
831-C2449-I	2.00 EA	85957		70	----	50	11	5	2.50 EA
832-C2449-W	2.00 EA	85958		70	----	50	11	5	2.50 EA
831-C2450-I	2.00 EA	85960		70	----	50	10	5	2.50 EA
832-C2450-W	2.00 EA	85962		70	----	50	10	5	2.50 EA
831-C2452-I	1.50 EA	85964		70	----	50	7	5	1.88 EA
832-C2452-W	1.50 EA	86033		70	----	50	7	5	1.88 EA
830-C2453-CL	2.00 EA	86034		70	----	50	3	5	2.50 EA
831-C2454-I	1.00 EA	85965		70	----	50	3	5	1.25 EA
830-C2455	4.00 EA	86090		70	----	50	13	5	5.00 EA
831-C2456-I	1.45 EA	86703		70	----	50	9	5	1.81 EA
832-C2456-W	1.45 EA	86704		70	----	50	10	5	1.81 EA
836-C2607-I	1.55 EA	93874		70	----	50	4	5	1.94 EA
837-C2607-W	1.55 EA	93876		70	----	50	4	5	1.94 EA
836-C2648-I	2.40 EA	88407		70	----	50	4	5	3.00 EA
837-C2648-W	2.40 EA	88429		70	----	50	4	5	3.00 EA
836-C2675-I	2.25 EA	86005		70	----	50	10	5	2.81 EA
837-C2675-W	2.25 EA	86035		70	----	50	11	5	2.81 EA
836-C2676-I	3.00 EA	86038		70	----	50	12	5	3.75 EA
837-C2676-W	3.00 EA	86039		70	----	50	10	5	3.75 EA
832-C2677-W	3.00 EA	86275		70	----	50	11	5	3.75 EA
836-C2683-I	1.50 EA	86048		70	----	50	3	5	1.88 EA
837-C2683-W	1.50 EA	86049		70	----	50	4	5	1.88 EA
831-C2684-I	2.75 EA	86254		70	----	50	24	5	3.44 EA
837-C2684-25W	2.75 EA	86253		70	----	50	1	5	3.44 EA
836-C2685-25I	3.00 EA	86051		70	----	50	24	5	3.75 EA
837-C2685-25W	3.00 EA	86052		70	----	50	24	5	3.75 EA
830-C5002	1.25 EA	85640		70	----	50	5	5	1.56 EA
831-C5002-GO	1.85 EA	85642		70	----	50	5	5	2.31 EA
830-C5003	1.80 EA	85644		70	----	50	8	5	2.25 EA
830-C5004	2.00 EA	85647		70	----	50	9	5	2.50 EA
831-C5004-GO	2.75 EA	86261		70	----	50	8	5	3.44 EA
830-C5007	0.90 EA	85649		70	----	50	3	5	1.13 EA
830-C5008	0.95 EA	85650		70	----	50	3	5	1.19 EA
830-C5009	1.00 EA	86091		70	----	50	3	5	1.25 EA
830-C5052	0.92 EA	85651		70	----	50	3	5	1.15 EA
831-C5052-GO	1.21 EA	85653		70	----	50	3	5	1.51 EA
830-C5053	1.20 EA	85656	C	70	----	50	5	5	1.50 EA
830-C5055	1.00 EA	85658		70	----	50	3	5	1.25 EA
830-C5101	2.50 EA	85661		70	----	50	12	5	3.13 EA
830-C5102	2.50 EA	85967		70	----	50	12	5	3.13 EA
830-C5151	2.15 EA	85668		70	----	50	9	5	2.69 EA
830-C5152	2.15 EA	85672		70	----	50	7	5	2.69 EA
830-C5159	2.50 EA	86092		70	----	50	6	5	3.13 EA
830-C5203	1.00 EA	85677		70	----	50	3	5	1.25 EA
831-C5203-GO	1.50 EA	85675		70	----	50	3	5	1.88 EA
830-C5205	150.00	85969	C	10	----	50	3	5	300.00
830-C5207	250.00	86093	C	10	----	50	5	5	500.00
830-C5208	125.00	86094	C	10	----	50	3	5	250.00
830-C5216	125.00	85970	C	10	----	50	4	5	250.00
830-C5223	125.00	85971	C	10	----	50	4	5	250.00
830-C5225	1,000.00	85679	C	10	----	30	24	5	2,000.00
830-C5227	1.50 EA	86060		70	----	50	4	5	1.88 EA
830-C5229	1.80 EA	86061		70	----	50	4	5	2.25 EA
830-C5235	1.00 EA	85681		70	----	50	3	5	1.25 EA
831-C5235-GO	1.50 EA	85687		70	----	50	4	5	1.88 EA
830-C5236	350.00	86063	C	10	----	30	10	5	700.00
831-C5237-20	200.00	85694	C	10	----	50	13	5	400.00
830-C5237-6	125.00	85688	C	10	----	50	7	5	250.00
830-C5238-20	200.00	85695	C	10	----	50	13	5	400.00
830-C5240-20E	400.00	86268	C	10	----	50	20	5	800.00
831-C5243-6GO	12.50 EA	85707		70	----	50	25	5	15.63 EA
830-C5245-6GO	6.00 EA	85709		70	----	50	15	5	7.50 EA
830-C5255	100.00	85712	C	10	----	50	3	5	200.00

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C - CARDED, BLISTERPACK & CLAMSHELL DEVICES

EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
831-C5255-GO	125.00	85713	C	10	----	50	4	5	250.00
834-C5256-I	1.25 EA	85717		70	----	50	9	5	1.56 EA
836-C5256-IGO	1.50 EA	85714		70	----	50	9	5	1.88 EA
835-C5256-W	1.25 EA	85720		70	----	50	8	5	1.56 EA
830-C5259	1.00 EA	85723		70	----	50	5	5	1.25 EA
831-C5259-GO	1.50 EA	85733		70	----	50	3	5	1.88 EA
830-C5307	0.90 EA	85737		70	----	50	3	5	1.13 EA
831-C5307-GO	1.25 EA	85735		70	----	50	4	5	1.56 EA
830-C5402	125.00	85740	C	10	----	50	5	5	250.00
830-C5403	123.00	86114	C	10	----	50	5	5	246.00
830-C5404	250.00	85972	C	10	----	50	8	5	500.00
830-C5405	125.00	85741	C	10	----	50	5	5	250.00
830-C5407	125.00	85742	C	10	----	50	5	5	250.00
832-C5451-12	275.00	86100	C	10	----	50	17	5	550.00
833-C5451-25	450.00	86102	C	10	----	50	29	5	900.00
830-C5451-3	175.00	85743	C	10	----	50	9	5	350.00
831-C5451-6	200.00	85744	C	10	----	50	12	5	400.00
834-C5451-6GO	250.00	86103	C	10	----	50	11	5	500.00
832-C5452-12	250.00	85973	C	10	----	50	13	5	500.00
830-C5452-3	125.00	85747	C	10	----	50	7	5	250.00
831-C5452-6	150.00	85748	C	10	----	50	9	5	300.00
830-C5454-3	275.00	85751	C	10	----	50	13	5	550.00
830-C5455	1,000.00	86104	C	10	----	50	28	5	2,000.00
830-C5458-10	300.00	86272	C	10	----	50	12	5	600.00
830-C5501-E	5.00 EA	85753		70	----	30	15	5	6.25 EA
830-C5502-E	5.00 EA	86271		70	----	30	15	5	6.25 EA
830-C5506	5.00 EA	86493		70	----	50	11	5	6.25 EA
830-C5551	12.50 EA	86116		70	----	30	27	5	15.63 EA
830-C5554	15.99 EA	85755		70	----	30	28	5	19.99 EA
830-C5555	15.00 EA	86110		70	----	30	1	5	18.75 EA
830-C5557	20.00 EA	86113		70	----	30	35	5	25.00 EA
830-C5558	22.25 EA	86122		70	----	30	1	5	27.81 EA
830-C5601	850.00	85759	C	10	----	30	8	5	1,700.00
830-C5602	900.00	85760	C	10	----	30	22	5	1,800.00
830-C5603	1,000.00	86123	C	10	----	30	10	5	2,000.00
830-C5604	1,100.00	86124	C	10	----	30	1	5	2,200.00
830-C5605	850.00	86125	C	10	----	30	1	5	1,700.00
830-C5606	3,000.00	86126	C	10	----	5	1	1	6,000.00
830-C5614	800.00	86152	C	10	----	50	1	5	1,600.00
830-C5650	1.48 EA	85761	C	70	----	50	9	5	1.85 EA
830-C5710	550.00	85977	C	10	----	30	11	5	1,100.00
830-C5711	1,500.00	86159	C	10	----	30	2	5	3,000.00
830-C5712	175.00	86118	C	10	----	50	4	5	350.00
830-C5810-I	0.90 EA	85762		70	----	50	4	5	1.13 EA
830-C5811	1.00 EA	85763		70	----	50	3	5	1.25 EA
830-C5812	1.00 EA	86160		70	----	50	3	5	1.25 EA
830-C5822	5.00 EA	85765		70	----	50	26	5	6.25 EA
831-C5822-GO	12.50 EA	86337		70	----	50	31	5	15.63 EA
836-C5851-1E	1.25 EA	86250		70	----	50	7	5	1.56 EA
838-C5851-1GO	1.75 EA	86331		70	----	50	7	5	2.19 EA
837-C5851-1W	1.25 EA	86251		70	----	50	7	5	1.56 EA
840-C5851-12E	2.75 EA	86265		70	----	50	26	5	3.44 EA
841-C5851-12G	3.25 EA	86266		70	----	50	23	5	4.06 EA
842-C5851-12W	2.75 EA	86267		70	----	50	26	5	3.44 EA
830-C5851-3E	1.50 EA	85768		70	----	50	11	5	1.88 EA
831-C5851-3GO	2.00 EA	85769	C	70	----	50	11	5	2.50 EA
832-C5851-3W	1.50 EA	85771		70	----	50	11	5	1.88 EA
833-C5851-6E	1.75 EA	85772		70	----	50	16	5	2.19 EA
834-C5851-6GO	2.25 EA	85774		70	----	50	16	5	2.81 EA
835-C5851-6W	1.75 EA	85776		70	----	50	12	5	2.19 EA
831-C5852-12G	3.00 EA	85808		70	----	50	25	5	3.75 EA
830-C5852-6GO	2.50 EA	85806		70	----	50	14	5	3.13 EA
830-C5853-6	7.50 EA	86164		70	----	50	19	5	9.38 EA
830-C5854-6	2.75 EA	86167		70	----	50	15	5	3.44 EA
831-C5854-6GO	3.50 EA	86178		70	----	50	15	5	4.38 EA
830-C5855-GO	4.00 EA	86179		70	----	50	19	5	5.00 EA
830-C5856-GO	5.00 EA	86180		70	----	50	25	5	6.25 EA
830-C5890	6.50 EA	86501		70	----	50	20	5	8.13 EA
830-C5902	500.00	86120	C	10	----	50	31	5	1,000.00
830-C5912	2.66 EA	86502	C	70	----	50	17	5	3.33 EA
830-C5916	300.00	85816	C	10	----	50	5	5	600.00
831-C5917	17.50 EA	94082		70	----	50	45	5	21.88 EA
830-C5919	3.30 EA	85819	C	70	----	30	20	5	4.13 EA
830-C5920	4.26 EA	85821	C	70	----	30	36	5	5.33 EA
830-C5921	9.68 EA	85823	C	70	----	30	74	5	12.10 EA
830-C5924	1.07 EA	85835	C	70	----	50	10	5	1.34 EA
830-C5925	4.38 EA	85839	C	70	----	30	38	5	5.48 EA
830-C5926	1.19 EA	85841	C	70	----	50	14	5	1.49 EA
830-C5927	0.88 EA	85842	C	70	----	50	14	5	1.10 EA
830-C5928	1.27 EA	85844	C	70	----	50	11	5	1.59 EA
830-C5943	1.59 EA	85880	C	70	----	50	13	5	1.99 EA
830-C5944	300.00	86146	C	10	----	50	8	5	600.00
830-C9100	1,250.00	86149	C	10	----	6	1	1	2,500.00
830-C9101-GO	3,000.00	86153	C	10	----	6	1	1	6,000.00
831-C9101-GY	3,000.00	86157	C	10	----	6	1	1	6,000.00
830-C9102	1,500.00	86161	C	10	----	6	1	1	3,000.00
830-C9103	1,300.00	86165	C	10	----	6	1	1	2,600.00
830-C9105	4,000.00	86170	C	10	----	6	1	1	8,000.00
830-C9106	1,400.00	86172	C	10	----	6	1	1	2,800.00
830-C9107	1,300.00	86174	C	10	----	6	1	1	2,600.00
830-C9108	650.00	86176	C	10	----	6	1	1	1,300.00
000-PLG1	19.30 EA	86325	A	55	H17	4	1	1	27.44 EA
835-6	160.40	86201	C	10	K2	50	5	5	320.80
835-423-3K	168.60	78979	C	10	L4	100	6	10	337.20
836-423-3KI	168.60	84702	C	10	L4	50	4	5	337.20
837-423-3KW	168.60	84703	C	10	L4	50	4	5	337.20
835-515LR	591.80	94976	A	30	----	50	13	5	841.50
836-700-I	333.30	82425	C	10	----	50	11	5	666.60
836-705-I	466.00	77226	C	10	----	50	12	5	932.00
837-705-W	466.00	97938	X	20	----	50	12	5	932.00
836-706-I	549.70	77228	C	10	----	50	12	5	1,099.40
837-706-W	549.70	01186	C	10	----	50	12	5	1,099.40
835-1215	123.90	85703	C	10	D10	50	9	5	247.80
835-1469-I	185.40	86888	C	10	----	50	8	5	370.80
836-1469-W	185.40	86889	C	10	----	50	7	5	370.80
835-1901	119.20	86003	C	10	G4	50	8	5	238.40
835-1903	119.20	86036	C	10	G5	50	5	5	238.40
835-5014	292.20	85215	C	40	----	50	10	5	584.40
836-5014-I	292.20	85054	C	10	----	50	10	5	584.40
837-5014-W	292.20	85216	C	10	----	50	10	5	584.40
835-5029	220.20	85221	C	10	D13	50	8	5	440.40
800-5231	820.40	82802	C	10	----	50	19	10	1,640.80
800-5235	1,002.10	82804	C	10	----	50	20	10	2,004.20
800-5238	936.90	82806	B	10	----	50	19	10	1,560.80
801-5321-I	500.70	78721	C	10	M4	50	11	5	1,001.40
802-5321-W	500.70	78722	C	10	M4	50	11	5	1,001.40
838-5671-2A	365.20	79405	C	10	----	50	17	5	730.40
836-5671-2E	365.20	10673	C	10	----	50	16	5	730.40
838-5672-2A	789.00	97915	C	10	----	50	15	5	1,578.00
834-5672-2I	789.00	79130	C	10	----	50	17	5	1,578.00
835-5672-2W	789.00	79129	C	10	----	50	15	5	1,578.00
838-5673-2A	513.50	79406	C	10	----	50	16	5	1,027.00
836-5673-2E	612.40	10703	C	10	----	50	17	5	1,224.80
839-5673-2GY	612.40	79133	C	10	----	50	15	5	1,224.80
834-5673-2I	612.40	79131	C	10	----	50	17	5	1,224.80
835-5673-2W	612.40	79132	C	10	----	50	15	5	1,224.80
834-5674-2I	993.60	79134	C	10	----	50	18	5	1,987.20
835-5674-2W	993.60	79135	C	10	----	50	18	5	1,987.20
830-5675	277.10	82215	C	10	----	50	15	5	554.20
838-5675-A	316.80	79407	C	10	----	50	15	5	633.60
836-5675-E	316.80	10711	C	10	----	50	15	5	633.60
835-5675-GY	277.10	77265	C	10	----	50	15	5	554.20
831-5675-I	277.10	82216	C	10	----	50	15	5	554.20
832-5675-W	277.10	82217	C	10	----	50	15	5	554.20
836-5678-A	965.90	95843	C	10	----	50	19	5	1,931.80
835-5678-GY	965.90	77393	C	10	----	50	19	5	1,931.80
831-5678-I	965.90	77373	C	10	----	50	19	5	1,931.80
832-5678-W	965.90	77375	C	10	----	50	17	5	1,931.80
836-5679-A	1,031.90	95840	C	10	----	50	16	5	2,063.80
835-5679-GY	1,031.90	77363	C	10	----	50	20	5	2,063.80

ITEMS WITH 'EA' ARE PRICED PER EACH

DISTRIBUTOR NET COST AND INDEX 6C - CARDED, BLISTERPACK & CLAMSHELL DEVICES

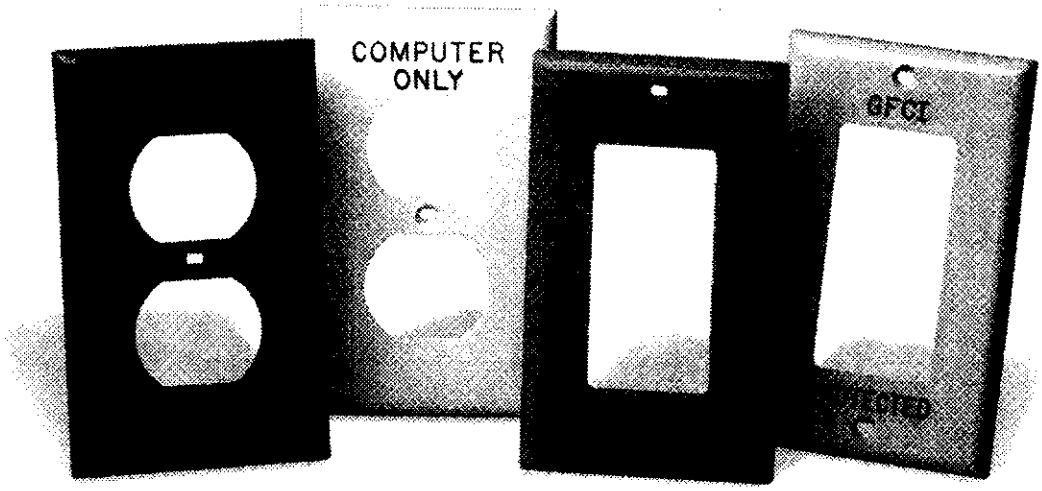
EFFECTIVE 1-15-2001 NAED VENDOR NO.78477

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
831-5679-I	**1,031.90**	77367	C	10	----	50	20	5	2,063.80
832-5679-W	**1,031.90**	77365	C	10	----	50	20	5	2,063.80
836-5680-A	**3.00 EA**	97934		70	----	50	12	5	3.75 **EA**
836-5681-A	**2.59 EA**	97917		70	----	50	10	5	3.24 **EA**
835-6098	**291.90**	84403	C	10	K4	50	7	5	583.80
836-6098-N	**291.90**	85261	C	10	K4	50	7	5	583.80
831-6161-I	**14.00 EA**	77502	X	20	----	5	2	1	17.50 **EA**
832-6161-W	**14.00 EA**	77504	X	20	----	5	2	1	17.50 **EA**
805-6356	**1,235.10**	82308	C	10	N6	5	3	1	2,470.20
835-6501-I	**209.90**	81630	C	10	M3	50	9	5	419.80
837-6501-W	**209.90**	81631	C	10	M3	50	9	5	419.80
* **835-6508**	**572.70**	95516	C	10	----	50	20	5	1,145.40
* **836-6508-SEN**	**721.00**	99652	C	10	----	50	10	5	1,442.00
835-6510	**880.10**	95512	B	10	----	50	23	5	1,466.20
830-6512-W	**371.30**	97749	B	55	----	20	10	5	618.59
805-6603-I	**3.40 EA**	82403	X	20	N4	50	11	5	4.20 **EA**
835-6682	**7.50 EA**	78712	X	20	----	50	15	5	9.30 **EA**
802-6690-W	**1,170.80**	83204	X	21	A3	5	2	1	1,463.50
* **100-7002**	**395.40**	07002	C	10	M3	48	6	12	790.80
835-7080-M	**225.40**	82059	C	10	K3	50	5	5	450.80
836-7090-N	**354.90**	85233	C	10	K3	50	7	5	709.80
835-7098	**296.70**	82060	C	10	----	50	6	5	593.40
835-7942-15	**182.70**	86310	C	10	----	50	11	5	365.40
836-7942-20	**182.70**	86311	C	10	----	50	11	5	365.40
838-7942-30	**182.70**	86312	C	10	----	50	9	5	365.40
* **835-10097**	**258.80**	84506	C	10	L1	50	5	5	517.60
* **835-12409**	**266.70**	86313	C	10	----	50	5	5	533.40
835-12410	**266.70**	86314	C	10	----	50	5	5	533.40
835-12411	**266.70**	86058	C	10	----	50	4	5	533.40
836-12414	**213.20**	86418	C	10	----	50	5	5	426.40
835-12510	**275.60**	85129	C	10	----	50	5	5	551.20
835-12532	**119.30**	86213	C	10	----	50	7	5	238.60
838-12533	**119.30**	86212	C	10	----	50	6	5	238.60
835-12769	**242.40**	86208	C	10	----	50	7	5	484.80
* **835-12774**	**211.80**	85001	C	10	----	50	8	5	423.60
* **835-12775**	**211.80**	85002	C	10	----	50	9	5	423.60
* **835-12776**	**211.80**	85003	C	10	----	50	9	5	423.60
837-12777	**110.80**	81173	C	10	M4	50	5	5	221.60
835-12909	**204.70**	86406	C	10	----	50	7	5	409.40
836-19980-N	**412.50**	85249	C	10	----	50	7	5	825.00
* **835-40806-I**	**1.28 EA**	94482		71	----	30	6	5	1.60 **EA**
* **833-40830-I**	**5.60 EA**	94538		71	----	30	1	5	7.00 **EA**
* **834-40830-W**	**5.60 EA**	94539		71	----	30	6	5	7.00 **EA**
* **833-40831-I**	**2.65 EA**	94540		71	----	30	6	5	3.31 **EA**
* **830-40833-I**	**6.25 EA**	94551		71	----	30	7	5	7.81 **EA**
* **831-40833-W**	**6.25 EA**	94553		71	----	30	7	5	7.81 **EA**
* **830-40836-I**	**2.75 EA**	94547		71	----	30	5	5	3.44 **EA**
* **831-40836-W**	**2.75 EA**	94548		71	----	30	5	5	3.44 **EA**
* **830-40837-I**	**5.32 EA**	94549		71	----	30	6	5	6.65 **EA**
* **831-40837-W**	**5.32 EA**	94550		71	----	30	6	5	6.65 **EA**
* **830-40838-I**	**4.12 EA**	94545		71	----	30	5	5	5.15 **EA**
* **834-40838-W**	**4.12 EA**	94546		71	----	30	5	5	5.15 **EA**
* **830-40859-I**	**1.33 EA**	94588		71	----	30	5	5	1.66 **EA**
* **833-40859-I**	**1.33 EA**	94588		71	----	30	5	5	1.66 **EA**
000-40988	**6.00 EA**	84734		70	----	60	48	10	7.50 **EA**
836-41658-CA	**7.99 EA**	97927		71	----	5	1	1	9.99 **EA**
832-41658-CW	**7.99 EA**	82227		71	----	5	1	1	9.99 **EA**
836-41666-CA	**8.99 EA**	97926		71	----	5	1	1	11.24 **EA**
832-41666-CW	**8.99 EA**	82229		71	----	5	1	1	11.24 **EA**
830-48500	**392.00**	78694	C	10	----	50	6	5	784.00
830-48569	**406.60**	78487	C	10	M4	50	9	5	813.20
839-48569-E	**406.60**	80090	C	10	M4	50	9	5	813.20
838-48569-GY	**406.60**	80089	C	10	M4	50	9	5	813.20
833-48569-W	**406.60**	80088	C	10	M4	50	9	5	813.20
832-48569-WT	**406.60**	79410	C	10	M4	50	9	5	813.20
831-48570-BU	**314.70**	84939	C	10	----	5	1	1	629.40
837-48570-GLD	**314.70**	84942	C	10	----	5	1	1	629.40
834-48570-GN	**314.70**	84941	C	10	----	5	1	1	629.40
830-48570-RO	**314.70**	84938	C	10	----	5	1	1	629.40
833-48570-W	**314.70**	84940	C	10	----	5	1	1	629.40

Cat. No.	Dist. Cost/C Std.Pkg.	EDP (UPC)	Inv. Cl.	PC	D501 Cat. Page	Std. Pkg. Qty.	Std. Pkg. Wt.	Ctn. Qty.	Suggested Trade Price Net/C std. Pkg. Qt.
040-49553-AWL	**17.17 EA**	82169		75	----	25	1	1	21.46 **EA**
050-49553-BIX	**55.55 EA**	82179		75	----	25	1	1	69.44 **EA**
060-49553-KRN	**61.32 EA**	82754		75	----	25	2	1	76.65 **EA**
031-49553-110	**21.97 EA**	82168		75	----	25	1	1	27.46 **EA**
021-49553-66	**18.60 EA**	82167		75	----	25	1	1	23.25 **EA**
012-49553-814	**55.26 EA**	82166		75	----	10	5	1	69.08 **EA**
837-49564	**313.90**	86408	C	10	----	50	5	5	627.80
000-49660-C	**16.00 EA**	96722		75	----	20	4	1	20.00 **EA**
835-49666-IR	**238.90**	86211	C	10	M3	50	5	5	477.80
830-49683	**600.00**	03553	C	10	----	50	13	5	1,200.00
838-49686-GY	**440.80**	78763	C	10	M2	50	21	5	881.60
833-49686-W	**440.80**	86017	C	10	M2	50	20	5	881.60
832-49686-WT	**440.80**	12106	C	10	M2	50	19	5	881.60
835-49687-I	**273.30**	85251	C	10	M1	50	18	5	546.60
837-49687-W	**273.30**	86019	C	10	M1	50	18	5	546.60
801-86002	**413.80**	20030	C	10	M4	50	7	5	827.60
802-88002	**413.80**	20080	C	10	M4	50	9	5	827.60

ITEMS WITH 'EA' ARE PRICED PER EACH

HOW TO ORDER CUSTOM WALLPLATES

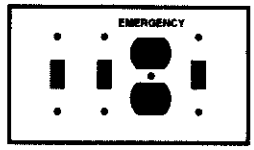


General Information

Custom wallplates, up to twelve gangs in size, made of brass, stainless steel, painted steel, aluminum or chrome, can be special ordered from Leviton. Any combination of the configurations shown can be specified to meet your needs. In addition, standard and custom metal wallplates can be engraved, and standard nylon wallplates can be hot stamped, with the message of your choice. Follow the steps below to fill out the Custom Wallplate Order Form completely and accurately. The finished order form must include:

1. The wallplate catalog number
2. The type of wallplate material desired (from the Material Code Chart)
3. The quantity of wallplates desired
4. The wallplate configurations in proper order (from the Configuration Code Chart)
5. The wallplate color, selected from the Wallplate Color Code Chart
6. Engraved or hot stamped message, if desired, with message location and letter size
7. Engraved or hot stamped message filler color, selected from the Fill-In Color Chart

Photocopy the blank Custom Wallplate Order Form at the back of this section and refer to the completed sample Custom Wallplate Order Form shown when filling out your order. Your Leviton representative can provide you with additional forms if needed. The sample order grid below shows the custom wallplate pictured at right:



Sample Grid

CAT. NO. 90004 MATERIAL CODE 53 QTY. 1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
01	01	EMERGENCY 03	01								

COLOR CODE _____ ENGRAVED ✔ HOT STAMPED _____ LETTER SIZE 3/8"

FILLER CODE XR PRICE _____

HOW TO FILL OUT THE CUSTOM WALLPLATE ORDER FORM

STEP 1: DETERMINE THE WALLPLATE CATALOG NUMBER

The catalog number for a custom wallplate is determined as follows: a single-gang custom wallplate is Cat. No. 90001, a double-gang custom wallplate is Cat.No. 90002, a three-gang custom wallplate is Cat. No. 90003, and so on through the sequence to Cat. No. 90010 for the ten-gang custom wallplate. Enter the number in the space on the Order Form marked "CAT. NO." If you are ordering a standard metal wallplate for custom engraving, use the 90000 series number. If you are ordering a standard nylon wallplate for custom hot stamping, enter that wallplate's catalog number in the space on the Order Form marked "CAT. NO."

STEP 2: SELECT THE WALLPLATE MATERIAL

Choose the custom wallplate material desired from the Wallplate Material Chart below. Enter the Material Code for the material selected in the space marked "MATERIAL CODE" on the Order Form. When ordering Custom Hot Stamped wallplates, enter NYLON.

MATERIAL	MATERIAL CODE
Aluminum†	AL
Brass	BR
Non-Magnetic Stainless Steel-Type 302/304	S3
Oversize Non-Magnetic Stainless Steel-Type 302/304*	S30
Painted Steel	S5
Oversize Painted Steel*	S50
Chrome	CRM
Raw Steel	RAW

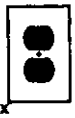
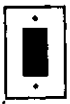
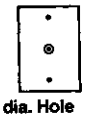
†6-Gang maximum size, standard size only
*4-Gang maximum size

STEP 3: DETERMINE THE QUANTITY OF THE WALLPLATE ORDER

Enter the quantity of wallplates needed in the space marked "QUANTITY" on the Order Form.

STEP 4: DETERMINE THE CUSTOM WALLPLATE CONFIGURATION

The Wallplate Configuration Chart below shows all the configurations that can be specified for Leviton custom metal wallplates. Each configuration has a specific Configuration Code number in the lower right-hand corner of its corresponding space on the chart. Enter this configuration code in the center of the corresponding square on the Order Form Grid to match its desired position on the finished custom wallplate. Refer to the Sample Order Form Grid for clarification on configurations and their placement, if necessary.*

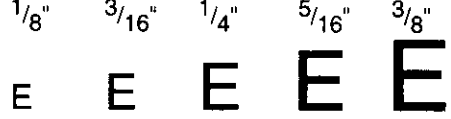
Toggle Switch 01	 Duplex Receptacle 03	Louvre Horizontal Mount 05	Louvre Vertical Mount* 07	Blank Box Mount 09	Blank Strap Mount 11
 Decora/ GFCI 13	Single 1.406" dia. Receptacle 15	1.60" dia. Hole 17	2.15" dia. Hole** 19	2.647" dia. Hole** 21	.312" dia. Hole Strap Mount 23
.312" dia. Hole Box Mount 25	.406" dia. Hole Strap Mount 27	 .406" dia. Hole Box Mount 29	.625" dia. Hole Strap Mount 31	.625" dia. Hole Box Mount 33	Interchangeable 1-Device Vertical 35
Interchangeable 1-Device Horizontal 37	Interchangeable 2-Device 39	Interchangeable 3-Device 41	2.460" dia. Hole 2-Gang Only** 47	.880" dia. Hole Strap Mount for Corbin Type Lock Switch** 49	Tamper Resistant Screws and Screwdriver included with corbin configurations. Available in stainless steel only (for 1-gang order 84071-40)

Enter the code number for the configurations you select in the center box on each desired wallplate position on the Custom Wallplate Order Form.
*3-Gang minimum
**2-Gang minimum

ORDERING ENGRAVED METAL WALLPLATES

NOTE: *ONLY* unpainted wallplates may be engraved.

1. Photocopy the Custom Wallplate order form in this price sheet. Do not tear out the original.
2. On the order form, enter the Catalog Number of the wallplate you wish to have engraved. Whether stock or custom, the catalog numbers for unpainted metal wallplates to be engraved are 90001 for a 1-gang plate, 90002 for a 2-gang plate, 90003 for a 3-gang plate, and so on up to 90012 for a 12-gang plate. Also enter the desired wallplate quantity on the order form.
3. Fill in the message (i.e., TURN OFF) as you wish it to appear by typing it or printing neatly on the blank wallplate(s) on the order form.
4. Engraved letters can be specified in the following sizes.



Enter the code for the color you selected on the Filler Code line of the order form.

5. Choose a fill-in color for the engraved letter

Color	Code
Black	XE
White	XW
Red	XR
No Filler	XX

Enter the code for the color you selected on the Filler Code line of the order form.

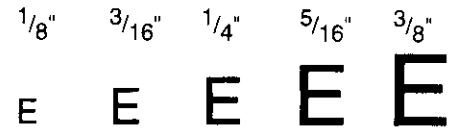
Prices for Engraving

NOTE: Minimum charge for engraving is $25.00

Price per letter $1.00
character,
or punctuation mark
to be totalled and
added to cost
OF EACH WALLPLATE

ORDERING ENGRAVED NYLON WALLPLATES

1. Photocopy the Custom Wallplate order form in this price sheet. Do not tear out the original.
2. On the order form, enter the Catalog Number of the wallplate you wish to have engraved. Also enter the desired wallplate quantity on the order form.
3. Fill in the message (i.e., TURN OFF) as you wish it to appear by typing it or printing neatly on the blank wallplate(s) on the order form.
4. Engraved letters can be specified in the following sizes.



Enter the code for the color you selected on the Filler Code line of the order form.

5. Choose a fill-in color for the engraved letter

Color	Code
Black	XE
White	XW
Red	XR

Enter the code for the color you selected on the Filler Code line of the order form.

Prices for Engraving

NOTE: In addition to the cost of the plate, there is a $6.00 set up charge plus a $1.00 per character engraved.

Price per letter $1.00
character,
or punctuation mark
to be totalled and
added to cost
OF EACH WALLPLATE

ORDERING HOT STAMPED NYLON WALLPLATES

NOTE: For Hot Stamped Wallplates, the minimum charge is $25.00

1. Photocopy the Custom Wallplate order form in this price sheet. Do not tear out the original.
2. On the order form, enter the Catalog Number of the wallplate you wish to have hot stamped. You must choose only a stock configuration wallplate. Also enter the desired wallplate quantity on the order form.
3. Fill in the message you wish it to appear by typing it or printing neatly on the blank wallplate(s) on the order form. A stock library of words is available for Nylon wallplates. It consists of any word or combination of words from form those listed here. Please check the factory for availability if you require something other than these messages.

Available Hot Stamp Messages

■ **3/16" Letters**
Computer, Conditioned, Conditioned Power, Critical, Data, Dedicated, Elec, Emergency, Equip, Fan, Fluorescent, GFCI, Ground, Heat, Isolated Ground, Oil, Oil Burner, Only, On, Off, PC, Power, Protected, Shower, UPS, Vanity, Voice Only, Surge

■ **1/4" Letters**
GFCI, Protected

4. Choose a fill-in color for lettering

Color	Code
Black	XE
White	XW
Red	XR

Enter the code for the color you selected on the Filler Code line of the order form.

Prices for Hot Stamping

$6.00 charge per message per wallplate, each wallplate.

Prices for Custom Metal Wallplates

Material	Price per gang for EACH WALLPLATE
Brass	$5.15
Stainless steel type 430	$3.10
Stainless steel type 302/304 nonmagnetic	$4.35
Chrome	$3.35
Painted Steel	$5.05
Raw Steel	$5.05
Aluminum	$3.45

Prices for Oversize Custom Metal Wallplates

Material	Price per gang for EACH WALLPLATE
OVERSIZE stainless steel type 3021304 nonmagnetic (4-gang maximum)	$4.90*
OVERSIZE painted steel nonmagnetic (4-gang maximum)	$5.50*
OVERSIZE raw steel nonmagnetic (4-gang maximum)	$3.90*

*6-Gang Maximum Size

HOW TO FILL OUT THE CUSTOM WALLPLATE ORDER FORM (continued)

STEP 5: SELECT THE WALLPLATE COLOR

For painted metal, select one of the following colors and enter its color code in the space marked "COLOR CODE" on the order form:

COLOR	WALLPLATE COLOR CODE
Almond	PA
Black	PE
Brown	PB
Gray	PG
Ivory	PI
Orange	PO
Red	PR
White	PW

STEP 6: ENTER ENGRAVING INFORMATION

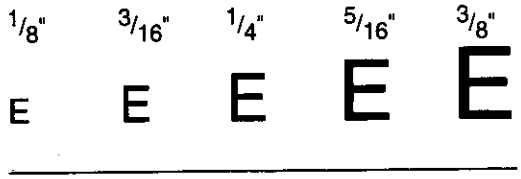
NOTE: WE CAN ENGRAVE NYLON AND PAINTED AND UNPAINTED METAL WALLPLATES. After completing steps 1-5:

6A) Type or clearly print the message(s) (i.e., TURN OFF) as you wish it to appear on the lines provided in the appropriate Grid box(es). **6B)** Select the size of the letters you desire for the wallplate message from the dimensions shown below and enter that size in the space marked "LETTER SIZE" on the Order Form. **6C)** Select the fill-in color for the message letter from the chart below and enter the code for the color chosen in the space marked "FILLER CODE."

FILLER COLOR CODES for Engraved Wallplates

COLOR	CODE
Black	XE
White	XW
Red	XR
No Filler	XX

LETTER SIZE GAUGE for Engraved Wallplates



STEP 7: ENTER HOT STAMPING INFORMATION

NOTE: ONLY STANDARD NYLON WALLPLATES CAN BE HOT STAMPED. After completing steps 1-5:

7A) Select the message(s) desired from the Message Library below. Enter the message on the lines provided in the appropriate Grid box(es) where they should appear. The message will be stamped in 3/16"-high text.

HOT STAMPING MESSAGE LIBRARY FOR CUSTOM NYLON WALLPLATES

1. SHOWER	7. HEAT	13. ON	19. ISOLATED	25. EQUIP
2. VANITY	8. DATA	14. PROTECTED	20. GROUND	26. FLUORESCENT
3. VOICE	9. COMPUTER	15. OFF	21. CONDITIONED	27. OIL
4. ONLY	10. GFCI	16. OIL BURNER	22. CONDITIONED POWER	28. POWER
5. ISOLATED GROUND	11. SURGE	17. PC	23. CRITICAL	29. UPS
6. EMERGENCY	12. FAN	18. DEDICATED	24. ELEC.	

7B) Select the fill-in color for the message letter from the chart below and enter the code for the color chosen in the space marked "FILLER CODE."

COLOR	CODE
Black	XE
White	XW
Red	XR
No Filler	XX

To order nylon wallplates with custom hot stamped message, contact your Leviton salesman or customer service representative.

8) NOTE: Sequential engraving is available. Consult factory for ordering instructions.

CUSTOM WALLPLATE ORDER FORM

Account No. _____ P.O. Box No. _____

BILL TO:

_____

_____

_____

_____

SHIP TO:

_____

_____

_____

_____

CAT. NO._____ MATERIAL CODE_____ QTY._____

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COLOR CODE_____ ENGRAVED_____ HOT STAMPED_____ LETTER SIZE_____

FILLER CODE_____ PRICE_____

ENGRAVING INFORMATION (Please print per corresponding gang number.)

(1) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(2) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(3) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(4) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(5) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(6) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(7) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(8) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(9) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(10) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(11) ☐☐☐☐☐☐☐☐☐☐☐☐☐

(12) ☐☐☐☐☐☐☐☐☐☐☐☐☐

DESCRIPTION
(Use this space to add additional information that may be helpful.)

TERMS

- Please take care to complete your order carefully. Custom wallplates cannot be returned
- Custom orders are shipped in three to four weeks
- All engraving shall be centered within its corresponding gang unless specifically instructed to span across multiple gangs
- All engravings on toggle configurations shall appear above the mounting screw holes unless specifically instructed otherwise
- All engravings on GFCI/Decora configurations shall appear below the mounting screw hole unless specifically instructed otherwise

LEVITON
Building a Connected World

LEVITON REFERENCE DATA

LEVITON CATALOG NUMBERS

All product information in this document is sorted by LEVITON CATALOG NUMBER. These catalog numbers correspond to the product listings in Leviton's D-501 catalog.

UPC NUMBERS

The second column of the document is the UPC or Universal Product Code number. This number has also been termed the NAED, or EDP, or DCI in the past.

Every Leviton catalog item has a corresponding five-digit UPC number. These numbers are already familiar to subscribers using the National Price Service or Trade Service Publications for pricing updates. The UPC number facilitates computerized pricing, invoicing, inventory and electronic data exchange.

For example, when describing Leviton's Cat. No. 120 polarized plug, the UPC number 14174 would be used. However, the UPC number alone is not a complete description of this item; also required is Leviton's UPC vendor number 78477 14174 as a prefix. So the complete description of this item would be 7847714174.

Remember, in addition to the UPC number, all Leviton products must have Leviton's NAED vendor number prefix, 78477.

PRODUCT CODES

Product codes comprise two-digit numbers intended to Provide speedy identification of product groups. The Product Code numbers are defined as follows:

P.C. Product Description

01 Residential Switches, Receptacles, CO/ALR Devices

05 Wet Location Devices

06 ALL Combination Devices

07 Lampholder (i.e. 8827, 8829, 9875, 29816-C, etc.)

08 Range & Dryer Devices

10 Household Devices, Appliance Switches, Snap-on Devices, Incandescent and Fluorescent Lampholders, and miscellaneous devices. All carded devices.

20 Residential Dimmers (i.e. Decora Slide, 61000 Series, 81000 Series, etc.)

21 Specialty Electronic Switches (i.e. Timers)

22 New Lighting Controls — i.e. Monet, Illumatech, Touchpoint, Mural

24 Residential/Commercial Occupancy Sensors

30 All Residential and Commercial (5266-N Series) Grade Plugs and Connectors

40 Balance of CR/CS Devices

41 CR15, CR015, CR20, CR020, CS115, CS120, CS315, CS320

50 Industrial Grade Switches, Receptacles and Isolated Ground Devices including catalog number 8200 Series and 5262-A Series

53 Industrial Momentary/Maintained, Motor Starter and Disconnect Switches

54 Wetguard/Dustguard Products

55 Pin and Sleeve, Four-in-one Devices, and other Industrial Products

56 Industrial Grade Straight Blade, Locking Plugs, Connectors, Receptacles, FI's, FO's, 50 amp Locking Devices, Midget Devices and Corrosion Resistant Devices

57 Wire Mesh Devices

58 Python Line – Plugs and Connectors

59 Commercial/Industrial Cam-Type Devices

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85 Nylon Wallplates (All sizes)

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95 Decora Home Control

96 Lon Works

97 Transient Voltage Surge Suppressors

98 Industrial Datacom Protectors

99 UPS/Back-up Power

LEVITON
Building a Connected World

ABBREVIATIONS AND SYMBOLS USED IN THIS PRICE LIST

*	Certified by CSA
■	New Catalog Number; consult factory for availability
-2	Switches-with ground screw or lead
A	Almond
BG	Dipped gilt (Brass Finish)
BLK	Black
BP	Blister Pack
BR	Bright Dip (Brass Finish) on solid brass
BU	Blue
CA	Angle Plug
CP	Contractor packed
CR	Corrosion Resistant
CS	Cooper Screw Shell (Nickel Plated)
CY	Yellow
E	Ebony Black
FIG	Flush Receptacle Isolated Ground
FR	Flush Receptacle
GN	Sea Foam Green
GY	Gray
HG	High Abuse (Hospital Grade)
HL	High Abuse Lighted
I	Ivory
IG	Isolated Ground
IM	Ivory Rocker, Mahogany Brown Frame
R	Mounted on Card
L	Locking
LB	Less Bulb
LH	Lighted Handle
M	Interior Mechanism
MI	Mahogany Brown Rocker, Ivory Frame
N	Nickel
NPB	New Product Bulletin
PG	Polished gilt (lacquer Brass Finish)
PH	Peach
PR	Pink
PL	Pilot Lighted
R	Red
RO	Dusty Rose
S	Self Grounding
SG	Tamper Resistant
SP	See Pack (Box with transparent window)
T	T Rated
TA	Beige
WE	White Rocker, Ebony Black Frame
WT	Wheat
YL	Yellow

¥ Cost per single unit pack containing 100 screws. (8x500 contains 50 screws).

TERMS AND CONDITIONS

MINIMUM BILLING: For any amount less than $100.00 the charge will be $100.00 net.

QUOTATIONS: All orders are subject to acceptance by the Leviton Manufacturing Company's home office at Little Neck, New York Prices and quotations are subject to change without notice.

PRICING: Refer to Distributor Cost Sheet for Leviton Products.

To receive Standard Package Quantity column price for all items on the order, the distributor order must be limited to one shipment and include at least:

- one standard package and five unbroken carton packages or,
- two standard packages

Expection: Switch keys and plate screws may not be included in combination package orders.

TERMS: 2% 10th prox., net thirty (30) days from date of invoice.

FREIGHT: On shipments of 850 pounds and over, or $1200 net or more invoice value, full freight is allowed to destination in the United States of America. On shipments under 850 pounds or under $1200, no freight is allowed. Freight allowed to destination is based on the cheapest route as determined by our Traffic Department. Additional difference due to more expensive routing when requested will be charged to customer.

CLAIMS: Claims due to any cause must be forwarded within ten (10) days from receipt of shipment. Deductions from remittances will not be allowed unless authorized by us in writing.

RETURNS: NO MATERIAL WILL BE ACCEPTED WITHOUT OUR WRITTEN PERMISSION.

FULL CARTON SHIPMENTS: Leviton Manufacturing Company reserves the right to ship full carton quantities when less than carton quantities have been ordered.

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• Sales Force Voice Mail 1-800-652-4045 • Tech Line 1-800-824-3005

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M-2002

Visibly the Best

ERICSON®

safety electrical specialties

Since 1918...

For Over 8 Decades…

Ericson Manufacturing Company has been an industry leader that provides products for the safe use and management of temporary power. From our first rubber hand lamp in 1918 (and our patent on the dead-front-back-wired electric plug and connector in 1936) to our recent patents on portable ground fault circuit interrupters, Ericson has built our reputation on the highest quality, state-of-the-art electrical safety products in the industry.

Throughout this catalog, look for the NEW symbol, which highlights fresh, innovative products: code compliant temporary lighting strings, IEC 309 PIN & Sleeve devices, Mini and Micro Quick Disconnect devices and more.

1918

Meeting the demands of the industry…

Ericson does not try to force standard products into special applications. Instead, we engineer and manufacture custom solutions for each client. We can meet the demands of virtually all temporary power applications, from general maintenance and confined space entry to hazardous location lighting, temporary power distribution and more.

Ericson's Continuous Quality Improvements directly benefit our customers. Our products undergo rigorous testing to ensure that they meet stringent quality standards. But our goal is to go one step further: to constantly improve so that we may not just meet, but consistently exceed your quality expectations.

Visibly the Best

ERICSON®

safety electrical specialties

C & E HEAVY DUTY MULTIPLE OUTLET CORD

Capacity at 110 Volts, 960 Watts

No. 2225

...ons taking the No. 4 C & E Safety Rubber Socket are molded directly to the Heavy ...aking one complete unit. This construction permits more flexibility, also provides the features of being able to replace any socket should it be necessary. Furnished in the following lengths with number outlets as stated and a No. 15-P C & E Safety Plug.

Capacity at 110 Volts 960 Watts

Length		Number of Sockets	List Each
25 feet	#18-2	3	$12.30
50 feet	#18-2	5	21.30
75 feet	#16-2	7	30.30
100 feet	#16-2	10	42.30

Prices on special lengths, sockets and capacity on request.

Portable Lamp

A portable explosion and vaporproof lamp has recently been put on the market by the Ericson Manufacturing Co., 5716 Euclid Avenue, Cleveland, Ohio.

According to th... manufacturer, t... lamp is fully prote... ed. Where the l... is emitted, dup... safety glass ... quarter of a... thick is used ... if broken, ... shatter or ... or vapor... The hook ... inch op... adjustabl... light car... ...d where ... Ma- terials ... non- sparki... ...head being ... ...uminum and the handle turned ... Bakelite.

The manufacturer s... ...new lamp is particularly desig... ...hard usage in oil refineries, ...l and dye plants, mines, flo... ...s, canneries, railroad and marin... ...ce. They also say that since the ... ...s concentrated, a 50 Watt rough... ...ce lamp affords ample illuminatio...

Vaporproof Portable Lamp

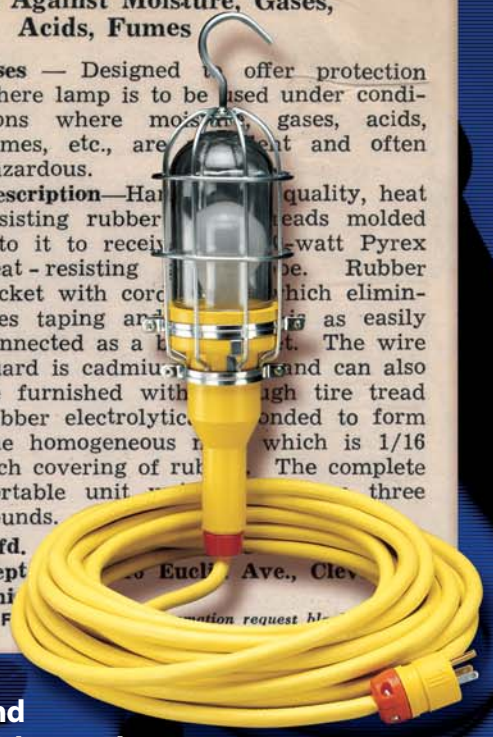
Protected Against Moisture, Gases, Acids, Fumes

Uses — Designed ... offer protection where lamp is to be ...sed under conditi- tions where mo... gases, acids, fumes, etc., are ...nt and often hazardous.

Description—Ha... quality, heat resisting rubber ...eads molded into it to recei... ...-watt Pyrex heat - resisting ... ...be. Rubber socket with corc... ...which elimin- ates taping ar... ...is as easily connected as a t... ...t. The wire guard is cadmiu... ...and can also be furnished with ...gh tire tread rubber electrolytic... ...onded to form one homogeneous ... which is 1/16 inch covering of rub... The complete portable unit ... three pounds.

Mfd.
Dept ...o Euclid Ave., Clev...
Ohi...

When inquiring specify EF... ...ation request bl...



Dedication to New Product Development…

Proving our intense commitment to product development and investment in R&D, Ericson Manufacturing recently introduced several new and improved product lines, including: the newly redesigned Construct-O-Lite® molded string lights that comply with NEC requirements for temporary lighting; Sol-Flare® metal halide lighting which provides improved color rendering over HPS lighting; our ever-expanding line of Ground-Guardian™ portable ground fault circuit interrupters that protect against fatal electric shocks; and our Perma-Grip™ plugs and connectors that have the industry exclusive cord grip that speeds field assembly. We developed each of these products based on feedback from contractors and maintenance professionals.

When you think electrical safety…

Think Ericson

Since 1918, Ericson has been a leader in the development and manufacture of safe electrical equipment for demanding environments. Our products include a wide range of heavy-duty plugs and connectors; portable ground fault circuit interrupters; portable power distribution products; and temporary lighting for use in industrial, construction and emergency applications. Together, these components provide complete solutions for safer workplaces. Whether you're working in general industrial maintenance, construction, confined spaces, hazardous locations, or wet and corrosive environments, Ericson can provide the products you need in order to comply with OSHA and NEC regulations.

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Visibly the Best
ERICSON®
safety electrical specialties

With the perfect blend of innovation, quality, and tradition, Ericson Manufacturing is poised to serve our customers well into the millennium.

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7425-S	28
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7450-GF	28
7450-GP	28
7450-R	28
7450-RGF	28
7450-RGP	28
7450-RS	28
7450-S	28
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17312-Y	127
17425-B	127
17425-Y	127
17525-B	127
17525-Y	127
17575	127
60000	
60001	110
60025	110
60050	110
61000	
61001	114
61025	114
61050	114

Incandescent Hand Lamps
Fluorescent Hand Lamps
Wide Area Fluorescent Lighting
Wide Area High Pressure Sodium and Metal Halide
Vapor proof Hand Lamps
Low Voltage Hand Lamps
Low Voltage Transformers & Extension Lights
Hazardous Duty Hand lamps
Emergency Response Lighting Kit
Flashlights
String Lights

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Ericson Manufacturing Company engineers and produces a comprehensive range of temporary lighting products for your general maintenance, confined space, hazardous location and wide area lighting needs. These products eliminate poorly lit areas that create safety hazards and help your company comply with the NEC and OSHA regulations. In the following pages you will find:

- Task Lighting: Incandescent and fluorescent handlamps
- Wide Area Lighting: High-pressure sodium, metal halide and fluorescent wide area lighting products.
- Specialty Lighting: Hazardous Location, Low Voltage and Vapor proof
- Stringlights: Temporary Lighting strings for commercial and industrial applications
- Flashlights: From hazardous duty to general maintenance
- Easy to use charts and drawings simplify the selection/specification process making it quick and user friendly
- Technical reference information including dimensional drawings

Task Lighting - Incandescent and Fluorescent Hand Lamps

- UL Listed and CSA Certified
- Available with a variety of cord types and lengths
- Full range of replacement parts are available for your field service repair work

Wide Area Lighting – Fluorescent, High Pressure Sodium & Metal Halide

- UL Listed and CSA Certified
- Energy efficient
- Bright, wide area illumination

Vapor proof, Low Voltage & Hazardous Duty Hand Lamps

- UL Listed and CSA Certified
- Incandescent & fluorescent hazardous location handlamps
- Available in a variety of standard and custom assemblies
- Can be used for confined space entry work

Flashlights

- Variety of models for applications from hazardous duty to general maintenance work

Custom Built Devices

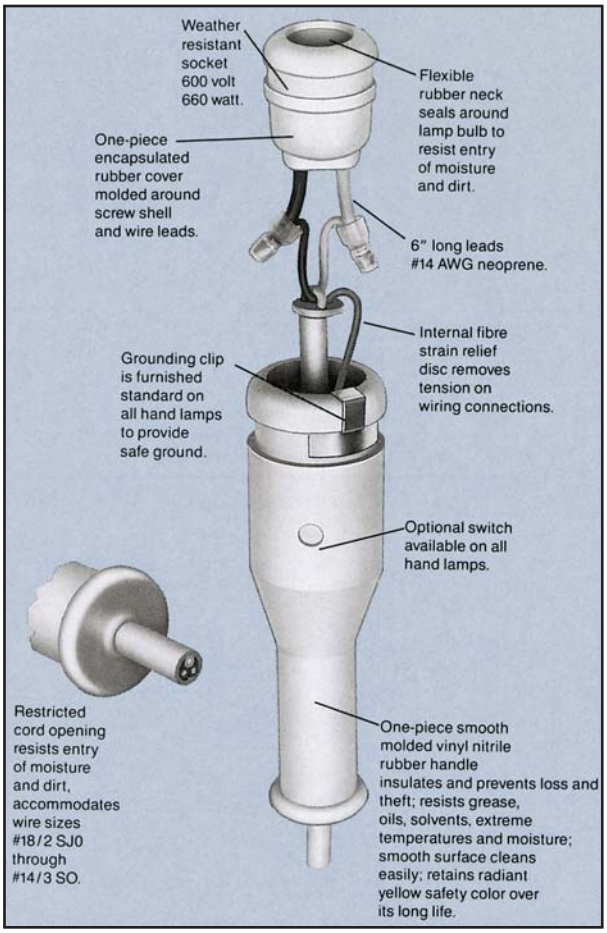
As always you can turn to Ericson Manufacturing Company to engineer a solution to your temporary lighting application if you do not find a standard catalog item to fit your need. Contact the factory or your local sales representative to find out more.

Temporary Lighting

Industrial Duty Incandescent Handlamps

700 Series - No side outlet

- UL Listed and CSA Certified
- Molded rubber handle impervious to impact and resistant to jobsite chemicals
- Available with optional switch
- Wide selection of pre-wired handlamps and component parts
- Ericson's exclusive Safety Yellow and Orange color combination for easy identification
- Prewired models come with #16/3 SOW cord and Ericson's 1510-PG Perma-Grip™ plug



SPECIFICATIONS

Material
- Handle: Rubber
- Lampholder/Cord Entry Seal: Rubber
- Screwshell: Tin plated brass
- Warning label: UL approved polyester
- Product label: UL approved polyester
- Lamp Guard Plating: Zinc chromate

Electrical
- Operating voltage: 120V
- Frequency: 60Hz

Mechanical
- Color: Yellow
- Cord Types: SOW

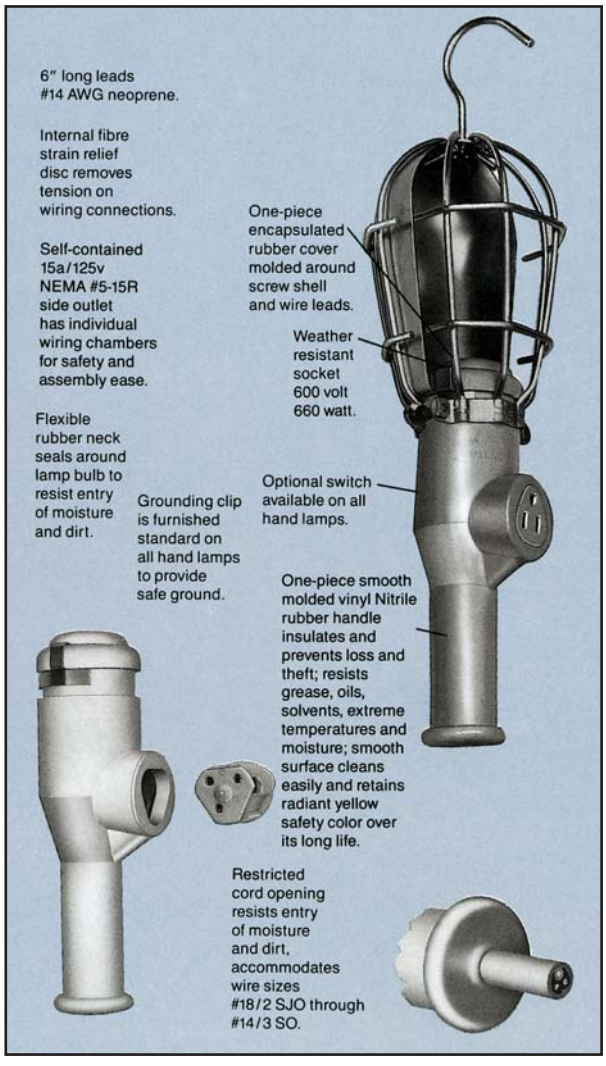
Environmental
- Operating Temperature Range: -35C to +66C
- Flammability: UL94V-0

Listings
- UL Listed
- CSA Certified

UL LISTED CSA CERTIFIED

900 Series - With side outlet

- UL Listed and CSA Certified
- Molded rubber handle impervious to impact and resistant to jobsite chemicals
- Standard with NEMA 5-15 side outlet
- Available with optional switch
- Wide selection of pre-wired handlamps and component parts
- Ericson's exclusive Safety Yellow and Orange color combination for easy identification
- Prewired models come with #16/3 SOW cord and Ericson's 1510-PG Perma-Grip™ plug



SPECIFICATIONS

Material
- Handle: Rubber
- Lampholder/Cord Entry Seal: Rubber
- Screwshell: Tin-plated brass
- Warning label: UL approved polyester
- Product label: UL approved polyester
- Lamp Guard Plating: Zinc-chromate
- Side Outlet: NEMA 5-15

Electrical
- Operating voltage: 120V
- Frequency: 60Hz

Mechanical
- Color: Yellow
- Cord Types: SOW

Environmental
- Operating Temperature Range: -35C to +66C
- Flammability: UL94V-0

Listings
- UL Listed
- CSA Certified

UL LISTED CSA CERTIFIED

Temporary Lighting

700 & 900 Series Incandescents

			700 Series					
Handlamp Handles w/Guard								
Reflector	**Switch**	**Cord Length**	**Closed-end 75-100 watt**	**Closed-end 200-300 watt**	**Open-end 100-150 watt**	**Open-end 200-300 watt**	**Open-end 100 watt PAR 38 or 300 watt Type R**	
No	No	N/A	744	718	747	719	750	
Yes	No	N/A	744-R	718-R	747-R	719-R	N/A	
Yes	Yes	N/A	744-RS	718-RS	747-RS	719-RS	N/A	
No	Yes	N/A	744-S	718-S	747-S	719-S	750-S	
Pre-Wired Models with #16/3 SOW cord and NEMA 5-15 Plug								
No	No	25′	7425 (SEE NOTES)					
Yes	No	25′	7425-R (SEE NOTES)					
No	No	50′	7450 (SEE NOTES)					
Yes	No	50′	7450-R (SEE NOTES)					
Specifications:								
Electrical Ratings			120V, 60Hz					
Cord Size/# Conductors			#16/3					
Cord Type			SOW					
Plug			NEMA 5-15					

Notes:

1. Consult factory for custom assemblies
2. Bulbs are not furnished with handlamps
3. All guards have a 1-3/4" collar and fit 600, 700 and 900 Series incandescent handlamps
4. Vinyl insulated guards available: Add "I" to catalog number to specify. Example: 718-R becomes 718-RI
5. Switch available: Add "S" to catalog Number to specify. Example 7425-R becomes 7425-RS
6. Available with in-line and plug-type GFCIs. Add "GF" to catalog number for in-line GFCI
   Example: 7425-GF; or GP for plug-type GFCI. Example: 7425 -GP

Replacement parts

700 Series Handles		**900 Series Handles**		**Socket, Ground Clip & Switch for use with 700 and 900 Series Handles**		
No Switch	With Switch	No Switch	With Switch	Socket w/ 6" leads	Ground Clip w/ lead	Switch
Handle Only						
7	7-S	9	9-S	44-W	710	79
Handle Assembly (with socket & ground clip)						
7-A	7-SA	9-A	9-SA			

	900 Series			
	Closed-end 75-100 watt	**Closed-end 200-300 watt**	**Open-end 100-150 watt**	**Open-end 200-300 watt**
	944	918	947	919
	944-R	918-R	947-R	919-R
	944-RS	918-RS	947-RS	919-RS
	944-S	918-S	947-S	919-S
	9425 (SEE NOTES)			
	9425-R (SEE NOTES)			
	9450 (SEE NOTES)			
	9450-R (SEE NOTES)			
	120V, 60Hz			
	#16/3			
	SOW			
	NEMA 5-15			

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Temporary Lighting

Lamp Guards for 600, 700 & 900 Hand Lamps

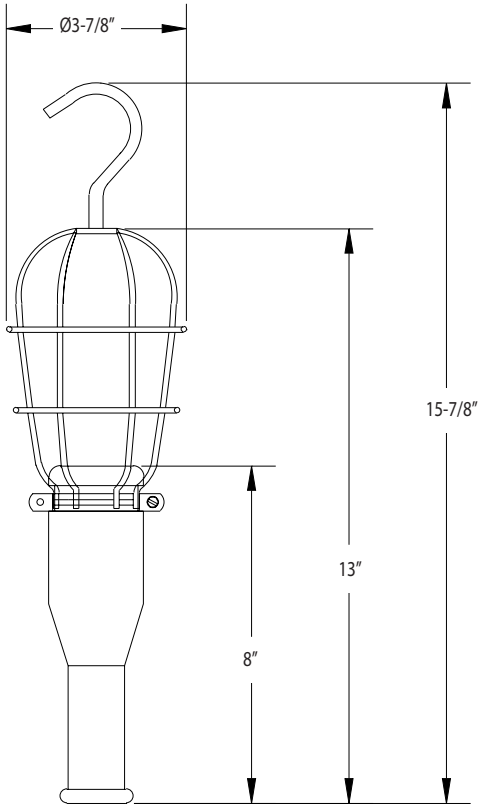
Lamp Guards for 600, 700 and 900 Series Handlamps

Outside Diameter	3-7/8″	4-1/16″	5-5/16″	5-5/16″	6-7/16″
Overall Length	6-1/2″	6-7/8″	8-1/4″	8-5/8″	7-5/8″
No Reflector	104	107	118	119	150
With Reflector	104-R	107-R	118-R	119-R	N/A

Notes:

1. All guards have a 1-3/4″ collar and fit 600, 700 and 900 Series handlamps
2. Vinyl insulated guards available: Add "I" to catalog number to specify. Example: 104-R becomes 104-RI

744R Series



Notes

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Temporary Lighting

Incandescent Handlamps

Light to Medium Duty Incandescent Handlamps: 600 and 2900 Series

For many applications the 2900 and 600 Series hand lamps offer an economical alternative and provide value-added performance. Typical applications include general maintenance, construction, remodeling, demolition and repair work.

600 Series Hand Lamps NEW!

- UL Listed and CSA Certified
- Compact, portable, durable and versatile.
- Handle constructed of high-impact, chemical resistant thermoplastic
- High-Visibility safety yellow color for easy jobsite identification
- Elastomeric gaskets protects cord entry and lampholder & seals out jobsite contaminants
- Snap-open guard makes relamping easy – no tools required

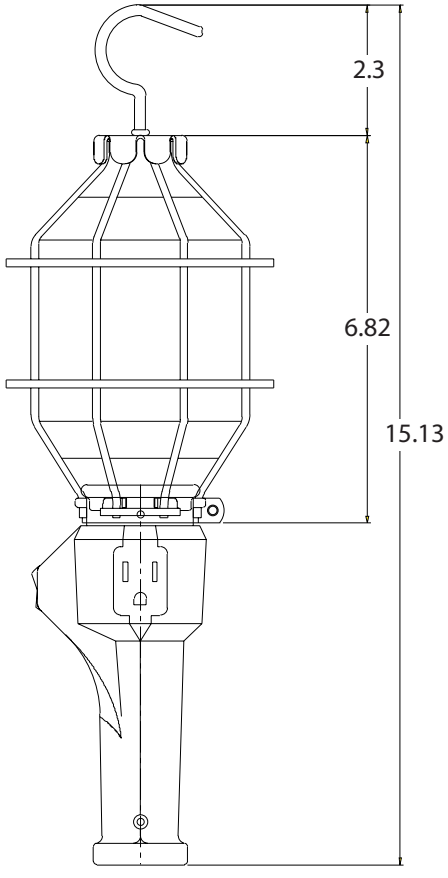
2900 Series Hand Lamps

- UL Listed and CSA Certified
- Lightweight and compact
- Handle constructed of high-impact yellow nylon
- Includes switch
- Available in 25' and 50' cord lengths with molded on NEMA 5-15 plug

600 and 2900 Series Handlamps Selection Guide

	600 Series	**2900 Series**
with 25' cord	6425-RS	2925
with 50' cord		2950
Specifications:		
Electrical Ratings	120V, 60Hz	120V, 60Hz
Max. Wattage	100 watt	100 watt
Cord Size/# Conductors	#16/3	#16/3
Cord Type	SJTW	SJTW
Plug	Molded NEMA 5-15 plug	Molded NEMA 5-15 plug
Switch	Yes	Yes
Outlet in Handle	Yes (NEMA 5-15)	Yes (NEMA 5-15)
Reflector Guard	Yes	Yes
Swing Open Guard	Yes	Yes
Swivel Hook	Yes	Yes

600 Series



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Temporary Lighting

800 Series Mini-Lite & Maxi-Lite Fluorescent Handlamps

Light-Medium Duty Fluorescent Handlamps

- 800 Series Mini & Maxi-Lite Fluorescent Handlamps
- Cool glare-free light ideal for close-up work
- Fluorescent tube protected by clear butyrate lens
- Lamp secured by shock-absorbing retainers
- Flexible hook for easy positioning
- Shatter-resistant plastic housing

800 Series Mini and Maxi-Lite Selection Guide

	8-watt Mini-Lite	**15-watt Maxi-Lite**
with 14' coiled cord	802-14	
with 25' cord		801-25
Specifications:		
Electrical Ratings	120V, 60Hz	120V, 60Hz
Replacement lamp	F8T5-CW	F15T5-CW
Ballast Location	Cord	Integral with plug
Plug	NEMA 5-15	NEMA 5-15
Switch	No	Yes
Overall Length	15	26
Max. O.D.	1-1/4	2-1/8
Weight	3 lbs.	2.5 lbs.

Commercial Duty Handlamps: 200, 300, 400 & 500 Series

NEW!

Ericson is lighting the new millennium with its brand new line of task lighting.

- UL Listed and CSA Certified
- Compact, portable, durable and versatile.
- Handle constructed of high-impact, chemical resistant thermoplastic
- High-Visibility safety yellow color for easy jobsite identification
- Variety of different models available to fit your application: The Conversions™ which convert your incandescent handlamp into a cool-running fluorescent handlamp or try the model that plugs into your extension cord, also available is DC fluorescent handlamp that can be powered from your vehicle's battery or portable DC power source.

200 Series Tube Lights

- Lightweight, multi-use work lights
- Large, shock-absorbing easy grip end caps
- Available in 13 watt and 15 watt models
- Scratch and shatter resistant lens
- Oil and water resistant power cords, 25' and 50' lengths

300 Series Conversion Lights

- Unique base converts any hot, dangerous incandescent light into a cool-running fluorescent light
- Also available with NEMA 5-15 power inlet that plugs into your extension cord
- Compact and easy to carry
- Large, shock-absorbing easy grip end caps
- Scratch and shatter resistant lens

400 Series Angle Lights

- Unique angle-design directs the light right where you need it most
- Cool running ballast-in-handle provides well-balanced light that is easy to handle
- NEMA 5-15 power outlet in handle provides convenient power source for other tools
- 13-watt fluorescent bulb provides same light output as 60 watt incandescent without the intense heat
- Scratch and shatter resistant lens
- Provided with magnet and hook for easy mounting
- Oil and water resistant power cords, 25' and 50' lengths
- Also available in a DC version

500 Series Pivot Lights

- Unique pivot provides 8 light positions to direct the light where you need it most
- Base magnet and flexible hook allow easy mounting to a variety of surfaces
- NEMA 5-15 power outlet in handle provides convenient power source for other tools
- 13 watt fluorescent bulb provides same light output as 60 watt incandescent without the intense heat
- Scratch and shatter resistant lens
- Oil and water resistant power cord
- Also available in a DC version

Temporary Lighting

Commercial Duty Handlamps

200, 300, 400 & 500 Series Handlamps Selection Guide

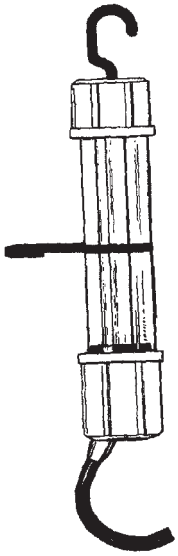
NEW!

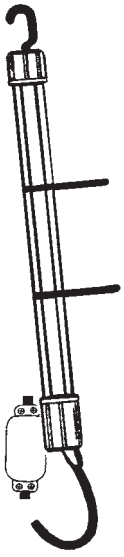
	200 Series Tube Lites		300 Series Conversion[1] Lights	
	13-watt	**15-watt**	**Screwshell**	
with 25' cord	213-25	215-25	313-MB	
with 50' cord	213-50	215-50		
Electrical Ratings	120V, 60Hz	120V, 60Hz	120V, 60Hz	
Cord Size/# Conductors	#18/2	#18/2	N/A	
Cord Type	SJTOW	SJTOW	N/A	
Ballast Location	Cord	Cord	Handle	
Power Inlet	Molded NEMA 5-15 plug	Molded NEMA 5-15 plug	Medium base screwshell	
Power Outlet Power Outlet Rating				
Other	On/Off switch in handle	On/Off switch in handle		

Notes:

1. Conversion lights do not come with cord
2. Contact factory for availability of DC lights

200 Series

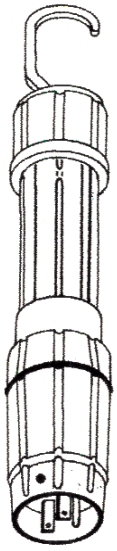




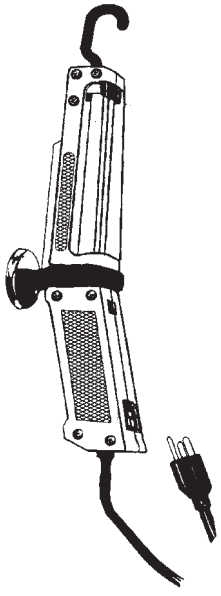
300 Series

	300 Series Conversion(1) Lights	400 Series Angle Lights		500 Series Pivot Lights	
	Extension Cord	**13-watt AC**	**13-watt DC**	**13-watt AC**	**13-watt DC**
	313-P	413-25	413DC-15	513-25	513DC-15
	120V, 60Hz	120V, 60Hz	12VDC	120V 60HZ	12VDC
	N/A	#16/3	#18/2	#16/3	#18/2
	N/A	SJTOW	SPT2	SJTOW	SPT2
	Handle	Handle	Handle	Base	Base
	NEMA 5-15	Molded NEMA 5-15 plug		5-15	
		(1) NEMA 5-15 120V, 13Amps			
			Plugs into cigarette lighter		Plugs into cigarette lighter

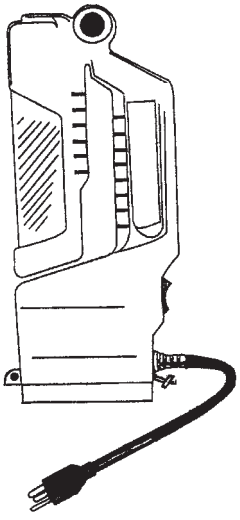
300 Series

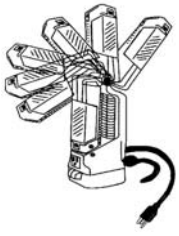


400 Series



500 Series





Pivot action!

Temporary Lighting

Industrial Duty Fluorescent Handlamps

Ericson's Portable Fluorescent Hand Lamps are ruggedly constructed for service in industrial applications, construction, shipbuilding, public utilities, paper mills, food processing, chemical plants and others where a rugged cool, non-glare lamp is needed.

Features

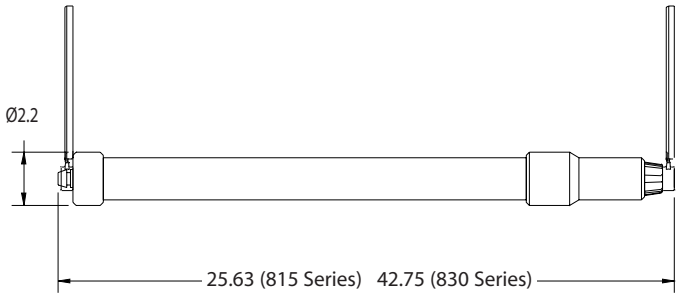
- Cool, Glare-Free Light - Perfect for those close-up jobs where hot, glaring light can be a hazard
- Variety - Available with or without switch, with factory wired cordsets or power inlets so you can use your own extension cord
- Flush, Molded Switch Cover (926 series) - Switch is flush with and completely sealed inside handle — won't snag on jobsite obstacles and is protected from the environment
- Field Serviceable - Field repairs are quick and convenient with wide range of replacement parts
- Bright, Diffuse Illumination
- Energy Efficient - Significant savings over operating costs of incandescent lamps
- Durability - Impact resistant lens with rubber end-cap and handle for the toughest industrial jobs. Resistant to many jobsite oils and chemicals. Lamp retainers secure bulb in place to withstand jobsite use without breaking
- Weather Resistant Construction - Designed for applications requiring weather-resistant construction
- Reliability - Engineered to perform in demanding industrial and construction environments. Rated lamp life of 10,000 hours for maximum time between bulb replacements
- Safety - All non-metallic construction eliminates possibility of housing becoming energized
- Lightweight - Ergonomic design fits comfortably in your hand providing a well-balanced work light easy to use during long projects
- Cord Grip - Industry proven cord grip provides strain relief and seals out water, dust and other jobsite contaminants
- High Visibility - Safety yellow and orange for easy identification

800 & 900 Series Fluorescent Hand Lamps Selection Guide

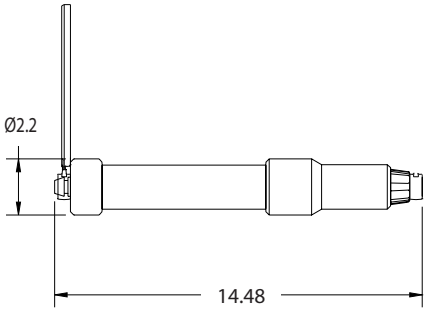
	15-watt	**30-watt**	**13-watt**	**26-watt**	
with 25' cord	815-25	830-25	900-25	926-25	
with 50' cord	815-50	830-50	900-50	926-50	
Specifications:					
Initial Lumens	825	2175	900	1700	
Electrical Ratings	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz	
Ballast Location	Cord	Cord	Cord	Handle	
Power Inlet	NEMA 5-15 plug	NEMA 5-15 plug	NEMA 5-15 plug	NEMA 5-15 plug	
Switch	No	No	No	In-Handle	
Replacement Parts					
End cap with hook			901	926-EC	
Tube shield			902	926-TS	
Lamp (bulb)			903	926-CF	
Lamp retaining spider			904	926-RS	
Handle with ballast and 25' cord			905		
Handle with ballast and 50' cord			906		
Ballast kit				926-BP	

Notes:
1. Consult factory for custom assemblies

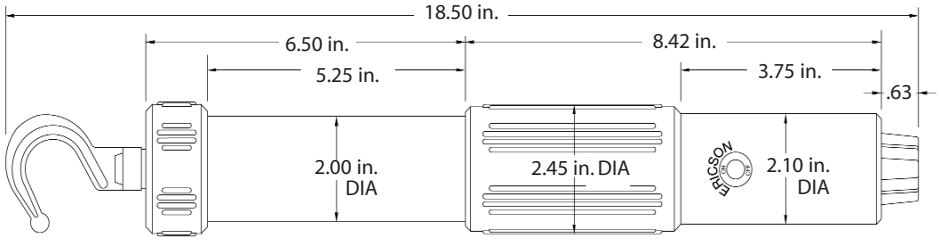
815/830 Series



900 Series



926 Series



	P Models have NEMA 5-15 Power Inlet		PL Models have NEMA L5-15 Power Inlet	
	26-watt				
	926NS-25	926-P	926NS-P	926-PL	926NS-PL
	926NS-50				
	1700	1700	1700	1700	1700
	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz
	Handle	Handle	Handle	Handle	Handle
	NEMA 5-15 plug	NEMA 5-15 plug	NEMA 5-15 plug	NEMA L5-15 plug	NEMA L5-15 plug
	No	In-Handle	No	In-Handle	No
	926-EC	926-EC	926-EC	926-EC	926-EC
	926-TS	926-TS	926-TS	926-TS	926-TS
	926-CF	926-CF	926-CF	926-CF	926-CF
	926-RS	926-RS	926-RS	926-RS	926-RS
	926-BP	926-BP	926-BP	926-BP	926-BP

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Temporary Lighting

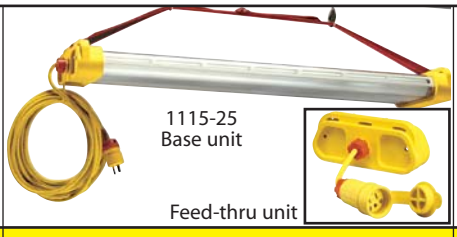
Wide Area Lighting

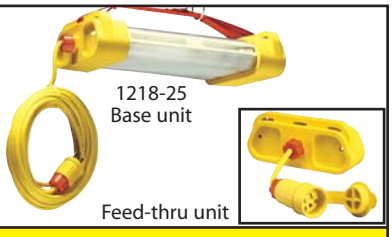
1100 and 1200 Series Wide Area Lighting

These portable overhead lights have been engineered to meet the need for safe, temporary, economical lighting for large area. Their versatility provides for base unit and feed-through unit use to meet virtually any wide area lighting requirement. Heavy-duty construction and high lumen output make these lights ideal for a broad range of applications including manufacturing plants, airline maintenance hangers, ship building, food processing plants, utilities, breweries, general maintenance and construction plus many more. The 1100 Series uses standard fluorescent tubes while the 1200 Series uses long-life biaxial tubes for a smaller unit where space is major concern.

- Overhead fluorescent lighting designed for temporary lighting in large areas
- Variety of models available including feed-through units that allows you to "daisy-chain" several lights in a row
- Heavy-duty construction and high lumen output
- Lower operating costs versus incandescent lighting means savings for you
- Industry proven cord grip provides strain relief and seals out water, dust and other jobsite contaminants
- Safety yellow and orange for easy identification
- Rapid start lamps
- Available with 30 or 40 watt fluorescent lamps
- Impact resistant tube-shield
- Moisture and dust resistant construction seals out contaminants
- One inch wide nylon straps serve as heavy duty hangers and are flexible and adjustable
- Each hanger comes with nickel-plated heavy gauge hook for corrosion resistance

1100 & 1200 Series Selection Guide

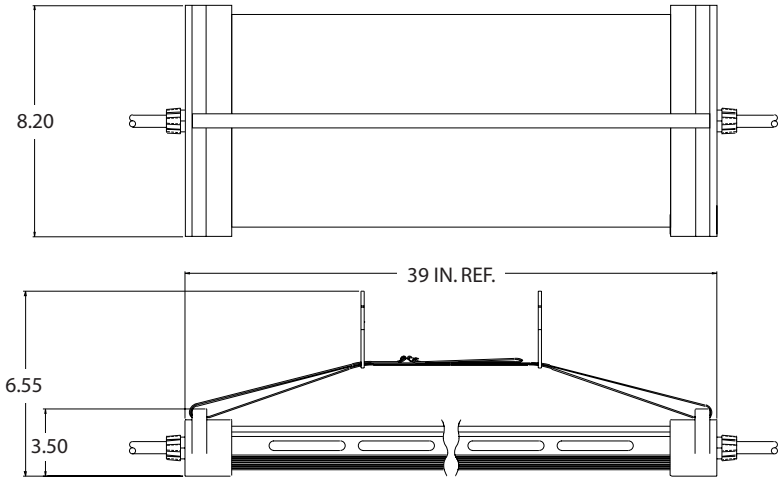




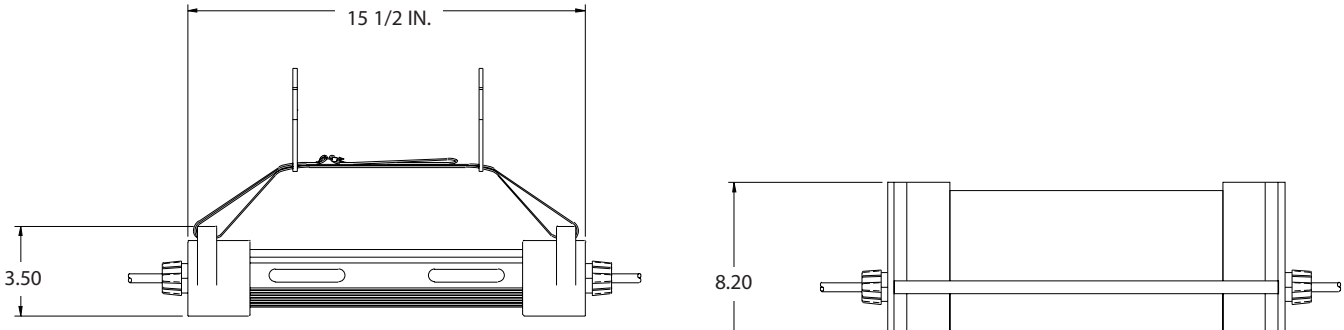
	1100 Series			1200 Series		
Total Fixture Wattage:	**30 watts**	**60 watts**	**80 watts**	**36 watts**	**54 watts**	**78 watts**
Base Units						
25 ft. Primary	1115-25	1130-25	1140-25	1218-25	1227-25	1239-25
Feed-Through Units						
2.5 ft. Primary	1115-2F			1218-2F		
4 ft. Primary		1130-4F	1140-4F		1227-4F	1239-4F
25 ft. Primary	1115-25F	1130-25F	1140-25F	1218-25F	1227-25F	1239-25F
Max. Units	10	13	12	13	13	12
Minimum start temperature (° F)	60	60	60	60	60	60
Specifications:						
Initial Lumens	1650	4400	5000	2500	3600	5700
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Replacement Lamp - 2 Per Fixture	F15T8/CW	F30T12/CW RS	F40T12/CW RS	F18BX/SPX35 RS	F27BX/SPX35	F39BX/SPX35
Avg. Rated Lamp Life (hrs)	7500	18000	20000	20000	12000	12000
Weight (lbs)						
Base units (25' primary)	11lbs	19lbs	23lbs	10lbs	10lbs	11lbs
Feed-Through units						
2.5' pri	9lbs			8lbs		
4 ft. pri		18lbs	22lbs		9lbs	10lbs
Primary Cord	#16/3 SJOW	#16/3 SJOW	#16/3 SJOW	#16/3 SJOW	#16/3 SJOW	#16/3 SJOW
Plug						
Base units (Perma-Link device)	NEMA 5-15			NEMA 5-15		
Feed-Through units (Perma-Tite)		NEMA 5-15	NEMA 5-15		NEMA 5-15	NEMA 5-15
Connector						
Base units (Perma-Link device)	NEMA 5-15			NEMA 5-15		
Feed-Through units (Perma-Tite)		NEMA 5-15	NEMA 5-15		NEMA 5-15	NEMA 5-15

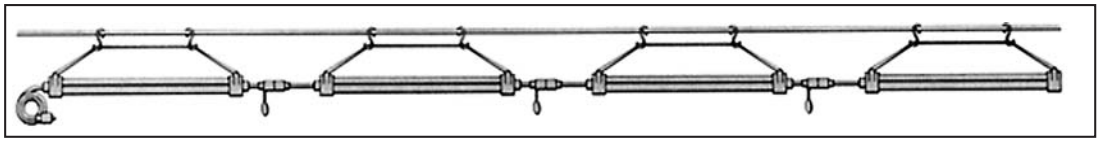
Contact Factory for Custom Assemblies

1100 Series



1200 Series





Replacement Parts

	1100 Series			1200 Series		
	30 watts	60 watts	80 watts	36 watts	54 watts	78 watts
Tubeshield	1115-TS	1130-TS	1140-TS	1218-TS	1227-TS	1239-TS
Replacement Fluorescent Tube				1218-FT	1227-FT	1239-FT
End cap with cord grip bushing for 1100 & 1200 Series. Can be used for primary side and secondary side with feed through	1100-P			1100-P		
End cap less cord grip bushing for 1100 and 1200 Series. Can be used for secondary side of base units only	1100-S			1100-S		

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Temporary Lighting

High Pressure Sodium & Metal Halide Wide Area Lighting

1000 Series High Pressure Sodium Wide Area Lighting

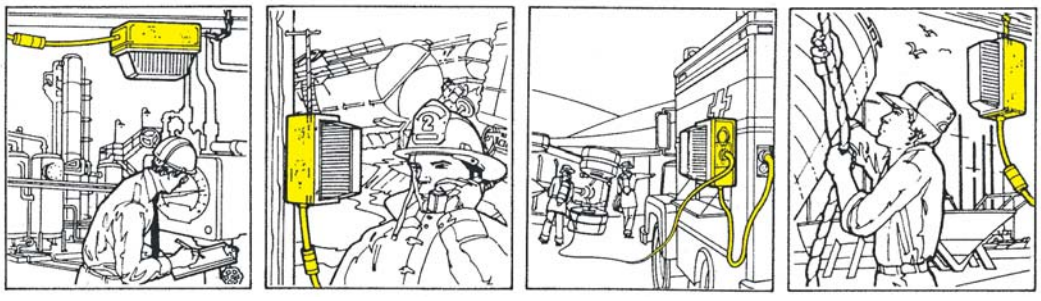
- UL listed to North American and Canadian standards
- Impact-resistant molded polycarbonate housing
- Impact-resistant, high temperature clear lens with Blondel Prisms on inner surface to provide optimum light diffusion
- Available with a 70 watt high-pressure-sodium
- Dual magnets for secure mounting on metal surfaces
- Integral eye-hook for overhead mounting
- #14/3 SOW cord supplied standard
- HPS model available with optional receptacle, GFCI or both
- Supplied with lamp

1000 Series High Pressure Sodium Fixtures Selection Guide

High Pressure Sodium Lamps[1]				
	Light Only	**With 5-15 Receptacle**	**With GFCI**	**With Receptacle & GFCI**
w/ 6' cord	1000	1000-R	1000-G	1000-RG
w/ 25' cord	1000-25	1000-R25	1000-G25	1000-RG25
w/ 50' cord	1000-50	1000-R50	1000-G50	1000-RG50
Replacement bulb	1010	1010	1010	1010

Notes:
1. Use secondary safety chain or cable if mounted overhead

- **Available with or without Receptacle and Ground Fault Circuit Interrupter**
- **Versatile**
- **Energy Efficient**



1000 Series Metal Halide Wide Area Lighting

- UL listed
- Lightweight die cast aluminum housing
- Impact resistant, high temperature clear lens with blondel prisms on inner surface to provide optimum light diffusion
- 70-watt metal halide bulb provides bright white light for color rendering applications
- Heavy-duty magnet provides for secure mounting on metal surfaces
- Handle with integral "eye" for overhead mounting
- 6' long, #14/3 SJTOW cord with molded 5-15 plug supplied with lamp

1000 Series Metal Halide Selection Guide

Metal Halide Lamp[1]	
w/ 6' cord	1000-MH
Replacement bulb	1010-MH

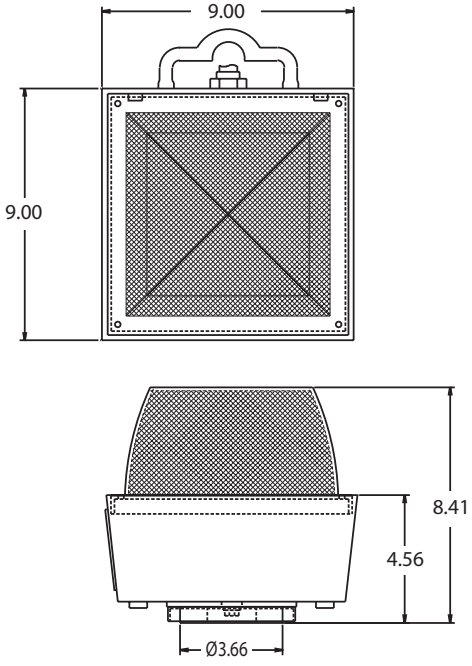
Notes:
1. Use secondary safety chain or cable if mounted overhead

Specifications - High Pressure Sodium & Metal Halide Fixtures

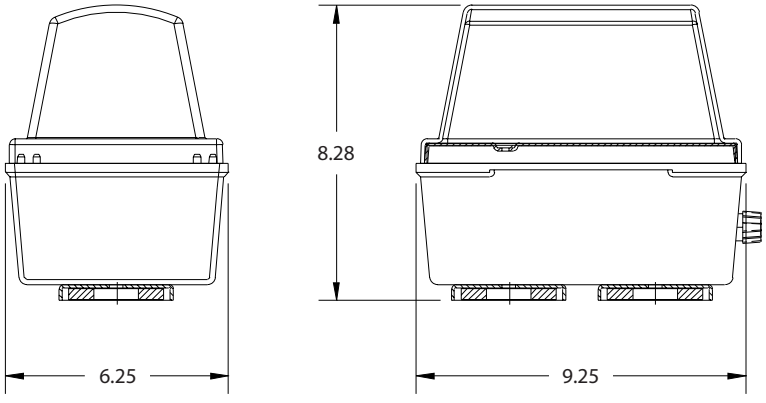
Specifications:	High Pressure Sodium	Metal Halide
Electrical Ratings	120V/60Hz	120V/60Hz
Cord Gauge	#14/3	#14/3
Cord Type	SJOW	SJTOW
Plug Type	NEMA 5-15	NEMA 5-15
Bulb Wattage	70 watts	70 watts
Bulb Type	LU70/MED	#MVR/70/U/MED
Average Rated Bulb Life	24000 Hours	12000 hours
Initial Light Output	6400 Lumens	5600 lumens
Mean Light Output	5450 Lumens	3400 lumens
Color Rendition Index (CRI) (1)	22	75
Color Temperature (K) (2)	1900 K	4000 K
Low Temperature Start		-40 C/-40 F

Notes:
1. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears
2. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light

1000 Series Metal Halide



1000 Series High Pressure Sodium Fixture



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Temporary Lighting

Vapor-Gard® Handlamps

Vapor-Gard® Handlamps: 70N Series

- UL Listed and CSA Certified
- Meets OSHA requirements 1926.403(g), 1926.405(j)(iii)
- Meets NEC 250-59(a), 420-42(a)(b), 410-44 and 410-49
- Molded thermoplastic elastomeric handle impervious to impact and resistant to jobsite chemicals
- Lampholder rated at 600 volts/660 watts
- Glass globe is heat and impact resistant and threads into handle sealing bulb and socket
- Transparent polycarbonate globe available
- Guard is constructed out of heavy-gauge steel wire and finished with a Zinc-Chromate plating to resist corrosion
- Optional Quik-Latch guard makes bulb changes easy – No tools required
- Cord entry provides strain relief and seals out moisture and dirt
- Wide selection of pre-wired handlamps and component parts
- Ericson's exclusive Safety Yellow and Orange color combination for easy identification
- Prewired models come with #16/3 SOW cord and Ericson's 1510-PG Perma-Grip plug

SPECIFICATIONS

Material
- Handle: Rubber
- Lampholder/Cord Entry Seal: Rubber
- Screwshell: Tin-plated brass
- Warning label: UL approved polyester
- Product label: UL approved polyester
- Lamp Guard Plating: Zinc-chromate

Electrical
- Operating voltage: 120V
- Frequency: 60Hz

Mechanical
- Color: Yellow
- Cord Types: SOW

Environmental
- Operating Temperature Range: -35C to +66C
- Flammability: UL94V-0

Listings
- UL Listed
- CSA Certified

Vapor-Gard Hand Lamps Are Grounded
Not Available With Switch

UL LISTED

Meet OSHA Requirements:
No. 1926.403(g) **No. 1926.405(j)(iii)**

Meet National Electrical Code Requirements.
No. 250-59(a) **No. 410-44**
No. 410-42(a) (b) **No. 410-49**

70NG Series Vaporproof Handlamps

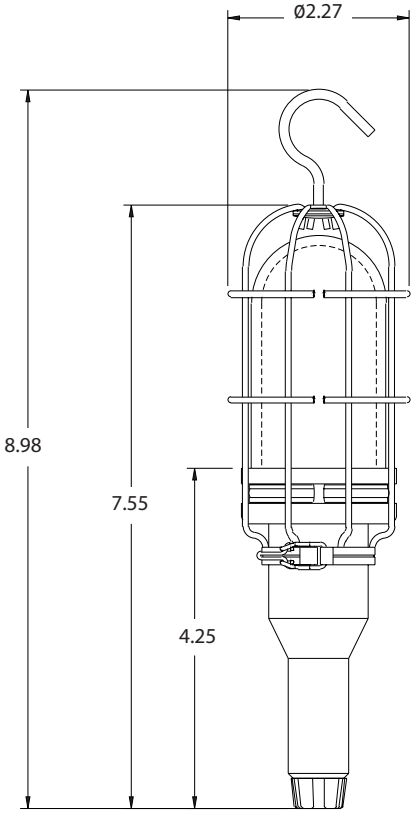
Handlamp Handles w/Guard and Globe Only

Guard Type	Reflector	Cord Length	Catalog Number
Screw-Release	No	N/A	70-NG
Screw-Release	Yes	N/A	70-NGR
Quik-Latch	No	N/A	70-NGQL
Screw-Release, Vinyl Insulated	No	N/A	70-NI
Screw-Release, Vinyl Insulated	Yes	N/A	70-NIR
Pre-Wired Models with #16/3 SOW cord and NEMA 5-15 Plug			
Screw-Release		25'	70-NG25
Screw-Release		50'	70-NG50
Quik-Latch		25'	70-NGQL25
Quik-Latch		50'	70-NGQL50

Specifications:	
Electrical Ratings	120V, 60Hz
Cord Size/# Conductors	#16/3
Cord Type	SOW
Plug	NEMA 5-15

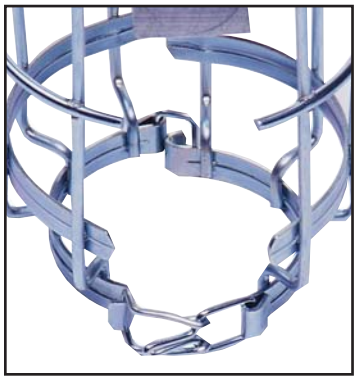
Notes:
1. Consult factory for custom assemblies
2. Bulbs are not furnished with handlamps
3. For assemblies with GFCI protection add - GP for 1090 plug or - GF for in-line GFCI

70N Series



Replacement Parts

Description	Catalog Number
Screw-release guard, no reflector	702
Screw-release guard with reflector	702-R
Quik-Latch guard	703
Screw-release guard, vinyl coating	704
Screw-release guard w/ reflector and vinyl coating	704-R
Glass globe	707
Handle only, without socket	708
Socket	709



Re-lamping is easy with optional Quik-Latch™ Guard. Guard is easily removed and replaced with thumb screw - no tools required!

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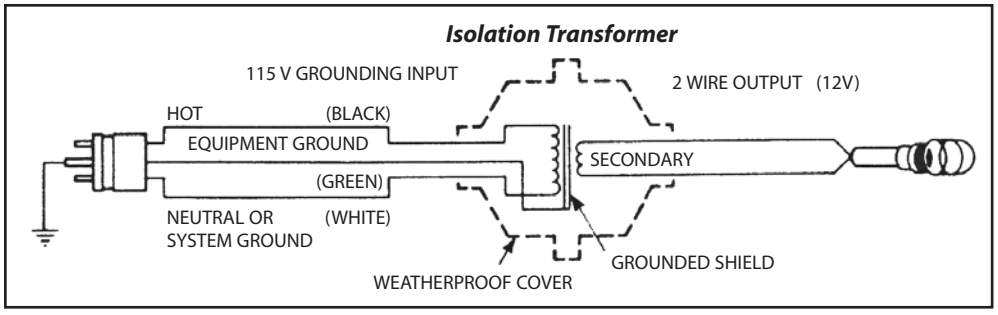
Temporary Lighting

Low-Voltage Handlamps: Incandescent Series

Low-Voltage Handlamps: Incandescent Series

OSHA 1926.405(a)(2)(ii)(G): "Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less. However, 120-volt lights may be used if protected by a ground-fault circuit interrupter.

- Ericson's handlamps meet OSHA regulations and create a safer working environment
- Step-down transformers reduce 120VAC line voltage to 12VAC
- Extra-thick walled rubber housing with non-corrosive stainless steel hardware protects transformer from jobsite contaminants
- Transformers incorporate a grounded metal shield between primary and secondary windings to ensure the two voltages are isolated providing an added degree of protection
- Each transformer is subjected to a factory dielectric test of 1600 volts between primary and secondary windings and between each winding and ground to ensure safety
- High-visibility dual-color safety system for easy identification on the jobsite



Low Voltage Lighting: Incandescent Series

Low voltage hand lamps			
with 25' secondary cord	1922-12A	1924-12A	1926-12A
with 50' secondary cord	1922-12B	1924-12B	1926-12B
Specifications:			
Primary Voltage	120V, 60Hz	120V, 60Hz	120V, 60Hz
Secondary Voltage	12V	12V	12V
Maximum Wattage	100 watts	100 watts	100 watts
Primary cord gauge & type	#16/3 SOW	#16/3 SOW	#16/3 SOW
Primary cord length	10 ft.	10 ft.	10 ft.
Secondary cord gauge & type	#14/3 SOW	#14/3 SOW	#14/3 SOW
Plug	NEMA 5-15	NEMA 5-15	NEMA 5-15

Consult factory for custom assemblies

Replacement Parts

Description	Catalog Number
12V transformer only - 100va	1931-12
Transformer housing only: includes stainless steel bolts & cord grip bushings	1932
Carrying handle with straps	1933
12V, 100 watt incandescent bulb, A-21 for use with 1922, 1924 & 1926 Series	1935
12V, 30 watt spot bulb for use with 1928 Series	1937

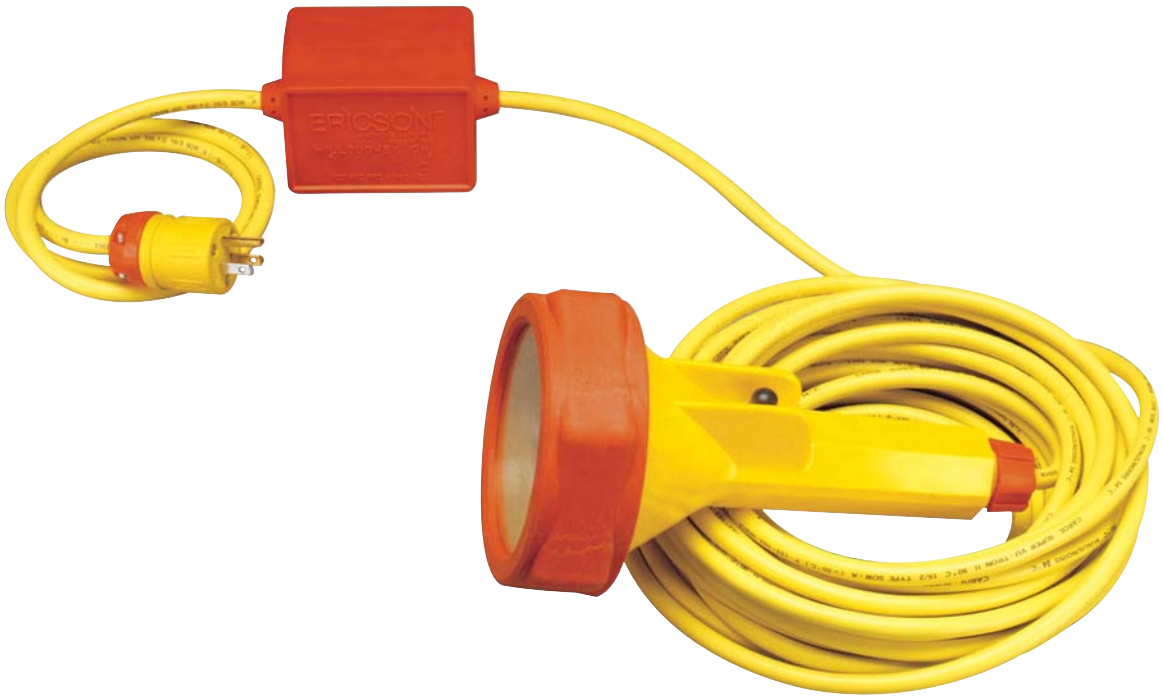
Temporary Lighting

Low-Voltage Handlamps

Ericson High-Intensity Hand Lamps are portable, and have wide application in virtually every industry demanding safe, reliable, and intense illumination. They are ideal for inspecting tanks and boilers: and for service and repair work indoors , outdoors, underground, and in wet or damp locations.

Their high, intense, penetrating, beam allows the user to remain out of the hazardous area while inspecting from a safe distance.

Inspecting liquid filled vessels, and at dockside for illuminating underwater installations are other practical uses for these lamps.



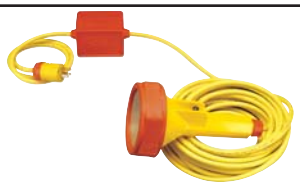
Low-Voltage Handlamps: Spotlight/Floodlight Series

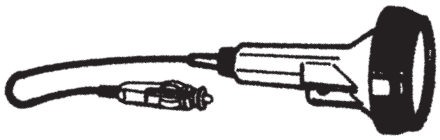
OSHA 1926.405(a)(2)(ii)(G): "Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less. However, 120-volt lights may be used if protected by a ground-fault circuit interrupter."

- Ericson's handlamps meet OSHA regulations and create a safer working environment
- Step-down transformers reduce 120VAC line voltage to 12VAC
- Transformer is hermetically encapsulated in TPE rubber and installed in-line on cord
- Thick-walled handlamp housing is molded from impact resistant polypropylene thermoplastic
- Sealed beam bulb available in spot or flood and protected by an impact resistant polycarbonate lens
- Anti-roll hex shaped lens ring is molded from TPE rubber to absorb shock and protect lamp
- Optional ON-OFF switch rated at 125V, 8Amps
- Switch guard prevents unintentional turning on/off of light
- Silicon rubber boot protects switch and seals out jobsite contaminants
- Also available in a 12VDC version, SL and FL Series, with cigarette plug
- High-visibility dual-color safety system for easy identification on the jobsite

UL LISTED
E95676

Low Voltage Lighting: Spotlight/Floodlight Series Selection Guide

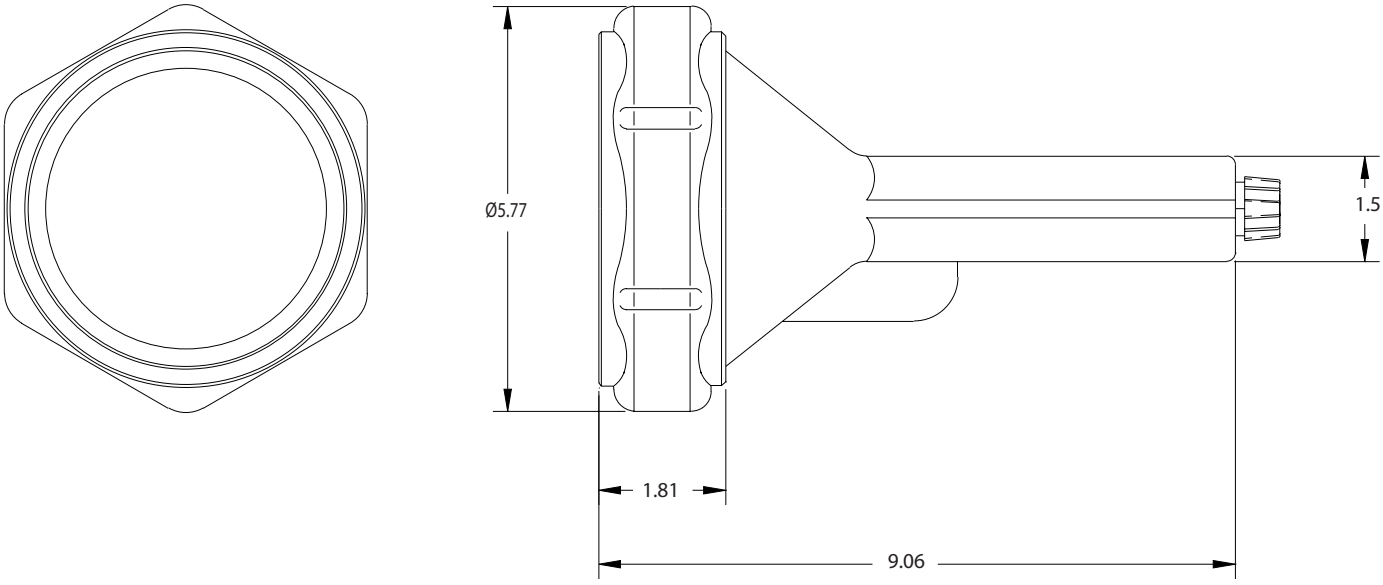




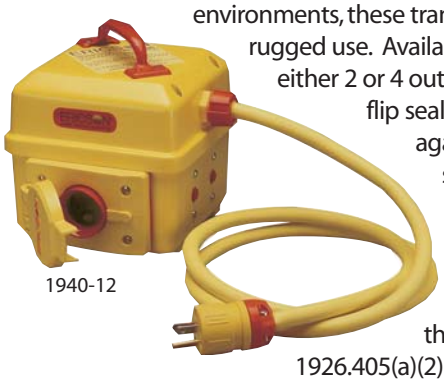
	6-Volt, 30 Watts		12 Volt, 30 Watts		12 Volt DC, 30 Watts	
	w/out switch	w/ switch	w/out switch	w/ switch	w/ switch, 25' cord	w/ switch, 50' cord
Spotlights	1915-6	1915-6S	1917-12	1917-12S	SL12VDC-25	SL12VDC-50
Floodlights	1916-6	1916-6S	1918-12	1918-12S	FL12VDC-25	FL12VDC-50
Specifications:						
Primary Voltage	120VAC, 60Hz	120VAC, 60Hz	120VAC, 60Hz	120VAC, 60Hz	12VDC	12VDC
Secondary Voltage	12VAC	12VAC	12VAC	12VAC	N/A	N/A
Maximum Wattage	30 watts	30 watts	30 watts	30 watts	30 watts	30 watts
Primary cord gauge & type	#16/3 SOW	#16/3 SOW	#16/3 SOW	#16/3 SOW	#18 SJTW	#18 SJTW
Primary cord length	4 ft.	4 ft.	4 ft.	4 ft.	25 ft.	50 ft.
Secondary cord gauge & type	#16/2 SOW	#16/2 SOW	#16/2 SOW	#16/2 SOW	N/A	N/A
Secondary cord length	50 ft.	50 ft.	50 ft.	50 ft.	N/A	N/A
Plug	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15	12VDC cigarette plug	12VDC cigarette plug
			Beam Spread			
Bulb Specifications	**Bulb Type**	**Candlepower**	**Horizontal**	**Vertical**		
1915 Series	4515 Spot	55000	6	4		
1916 Series	4511 Flood	4000	Trapezoidal			
1917 Series	4416 Spot	35000	9	5		
1918 Series	4406 Flood	800	80	30		
SL12 Series	4416 Spot	35000	9	5		
FL12 Series	4406 Flood	800	80	30		

Consult factory for custom assemblies

1915 Series



1941-12


1940-12

Low Voltage Transformers

Ericson's Heavy duty isolation-type low voltage transformers feature low voltage safety and extreme weather resistance. Designed for demanding environments, these transformers withstand long periods of rugged use. Available in either 6 Volt or 12 Volt models with either 2 or 4 outlets. Each outlet is covered by Ericson's flip seal cover to provide added protection against the most extreme environments such as: boiler inspection, work inside drums, tanks and vessels. In damp, confined locations it is imperative that line voltage be reduced to eliminate the hazards of shorts and shock and to meet the requirements of OSHA 1926.405(a)(2)(ii)(G).

- Transformers convert 120VAC/60Hz line voltage to either 12VAC or 6VAC
- Corrosion resistant enclosures are rated NEMA 4 and made from nonconductive engineering resin so they are resistant to impacts, and jobsite chemicals such as acids, alkalines, oils and salts
- NEMA 5-15 outlets are rated at 100va each is designed to accommodate a 50 ft. #14/3 SO secondary cord
- Outlets operate independently of each other
- Circuit breakers wired individually to each receptacle and operate independently of each other – if one circuit opens the other continues to operate

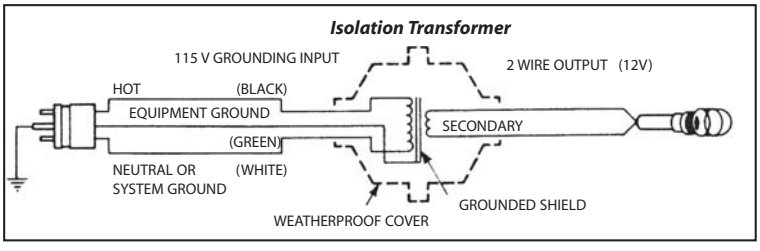
Low Voltage Transformers Selection Guide

	12 Volt Transformers		6 Volt Transformers	
	1940-12	1941-12	1940-6	1941-6
Specifications:				
Number of Outlets	2	4	2	4
Outlet Configuration (1)	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15
Input (primary) voltage	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Output (secondary) voltage	12V, 200VA	12V,400VA	6V,200VA	6V,400VA
Outlet Rating	10Amp/100va	10Amp/100va	20Amp/100va	20Amp/100va
Cord gauge/type	14/3 SO	14/3 SO	14/3 SO	14/3 SO
Cord length	6 ft.	6 ft.	6 ft.	6 ft.
Plug (1)	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15
Enclosure Environmental Rating	TYPE 4	TYPE 4	TYPE 4	TYPE 4
Dimensions (in) (LxWxH)	7 x 7 x 6-1/2	11 x 9 x 6-1/2	7 x 7 x 6-1/2	11 x 9 x 6-1/2
Weight (lbs)	13.5	22.5	13.5	22.5

NOTES:
1. Contact factory for custom assemblies

Replacement Parts

Description	Cat. No.
6 volt transformer only for 1940-6	1942-6
6 volt transformer only for 1941-6	1944-6
12 volt transformer only for 1940-12	1943-12
12 volt transformer only for 1941-12	1945-12



Extension Lights for Secondary side of Transformers

These lights come with the appropriate low voltage bulb and plug directly into the 1940/1941 Series transformers. Choose either Ericson's Vapor-Gard ™ lamp or spotlight. As with other Ericson products, we have incorporated our dual-color safety system™ on these hand lamps. You receive greater people protection with our startling, brilliant orange and radiant yellow colors that add a new level of safety in usually dull application area.

Extension Lights for Use with Low Voltage Transformers

Extension Lights		
	1948-12	1950-12
Specifications:		
Input (primary) voltage	12 V	12 V
Cord gauge/type	#14/3 SO	#14/3 SO
Cord length	50 ft.	50 ft.
Plug	NEMA 5-15	NEMA 5-15
Included lamp	12 V/100 watt	12 V/30 watt

NOTES:
1. Contact factory for custom assemblies

Visibly the Best
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safety electrical specialties

Temporary Lighting

Hazardous Duty Incandescent & Fluorescent Handlamps

Hazardous Duty Incandescent and Fluorescent Handlamps

- UL Listed and CSA Certified
- Lightweight construction features non-sparking aluminum guard and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief and cable cord clamp to provide superior water resistance at cord entry
- Cable cord clamp can be inspected or adjusted without disassembly of handle
- Accommodates #14/3 types S, SO, ST or STO cord
- High-impact tempered glass globe threads directly into specially designed handle
- Handle construction provide superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features 360° swivel hook
- Incandescent handlamp accommodates up to 100 watt bulb
- Fluorescent handlamps available in 13 watt and 26 watt models

2300 Series Incandescent

2400 & 2500 Series Fluorescent

Available Options:

- Prewired with up to 200 ft. of listed #16 or #14, 3-conductor flexible cord, types: S, SO, ST, STO
- Also available with your choice of plug
- Contact factory for custom assemblies

UL LISTED
Listed 1L72
Portable Lighting Unit For Hazardous Locations

CSA CERTIFIED

Hazardous Duty Handlamps Selection Guide

NEW!

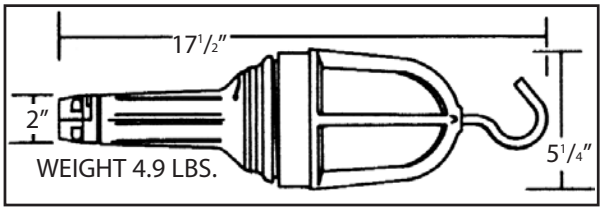
	2300 Series	2400 Series	2500 Series
Handlamp Only	2300	2400	2500
Handlamp with 25' cord	2325	2425	2525
Handlamp with 50' cord	2350	2450	2550
Specifications:			
Environments	Class I, Divs 1 & 2, Group C, D	Class I, Divs 1 & 2, Group C, D Class II, Divs 1 & 2, Group F, G	Class I, Divs 1 & 2, Group C, D Class II, Divs 1 & 2, Group F, G
Electrical	120V/60Hz	120V/60Hz	120V/60Hz
Maximum Wattage	100 watts	13 watts	26 watts
Cord gauge & type	#14/3 SOW	#16/3 SOW	#16/3 SOW
Plug (1)	NEMA 5-15	NEMA 5-15	NEMA 5-15
Guard	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Globe	Tempered Glass	Tempered Glass	Tempered Glass
Handle	Glass reinforced phenolic	Glass reinforced phenolic	Glass reinforced phenolic

NOTES:
1. Plug is not explosion proof and is intended to be used outside of the hazardous area
2. Contact factory for custom assemblies
3. See page 47 for low-voltage hazardous duty lighting

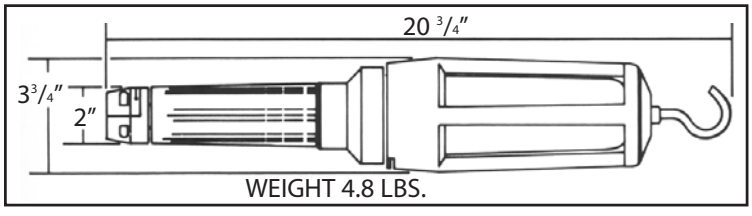
Replacement Parts

	2300 Series Incandescent	2400 Series Fluorescent	2500 Series Fluorescent
Guard & globe assembly	2301	2401	2501
Handle assembly with socket	2302		
Handle assembly with socket, 13 watt		2403	
Handle assembly with socket, 26 watt			2503
Lamp, 13 Watt compact fluorescent		2402	
Lamp, 26 watt compact fluorescent			2502

2300 Series



2400/2500 Series



Visibly the Best
ERICSON®
safety electrical specialties

Temporary Lighting

Hazardous Duty Spotlight

Class I, Division I Groups C & D, Class II Division 1, Groups F & G

- UL Listed and CSA Certified
- Lightweight construction features non-sparking aluminum guard and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief and cable cord clamp to provide superior water resistance at cord entry
- Cable cord clamp can be inspected or adjusted without disassembly of handle
- Accommodates #14/3 types S, SO, ST or STO cord
- High-impact tempered glass globe threads directly into specially designed handle
- Handle construction provide superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features 360° swivel hook

2200 Series

UL LISTED
Listed 1L72
Portable Lighting Unit For Hazardous Locations

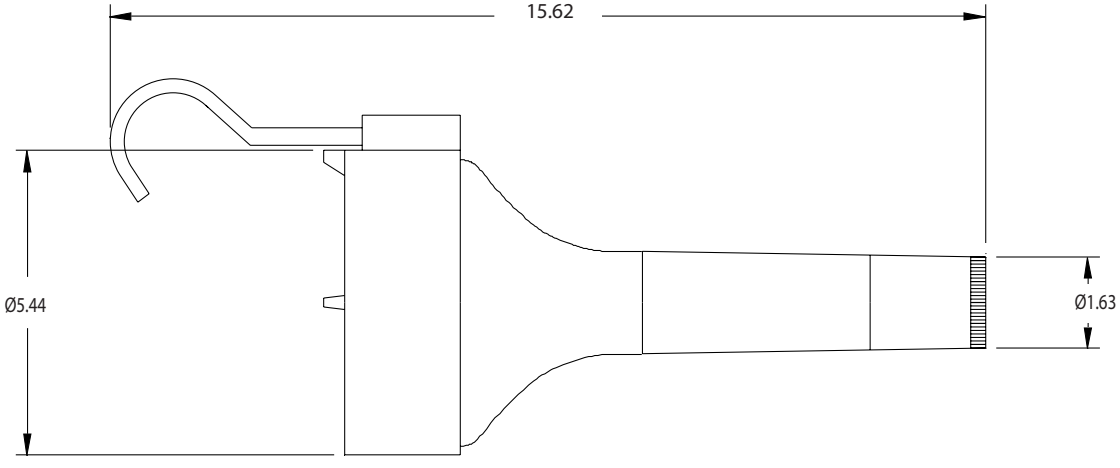
CSA CERTIFIED

Low Voltage Hazardous Duty Handlamps Selection Guide

	2200 Series Spotlight
Handlamp Only	2200
w/ 25 ft. cord	2225
w/ 50 ft. cord	2250
Specifications:	
Environments	Class I, Divs 1 & 2, Group D
Primary Voltage	12 V
Secondary Voltage	n/a
Transformer	n/a
Maximum Wattage	100 watts
Primary cord gauge & type	#14/3 SOW
Primary cord length	see above
Secondary cord gauge & type	N/A
Secondary cord length	N/A
Plug (1)	NEMA 5-15
Guard	Anodized Aluminum
Globe	Tempered Glass
Handle	Glass reinforced phenolic

NOTES:
1. Plug is not explosion proof and is intended to be used outside of the hazardous area.
2. Contact factory for custom assemblies

2200 Series



Visibly the Best
ERICSON®
safety electrical specialties

Temporary Lighting

Emergency Response Lighting Kit

Here is Ericson's answer to the most urgent need for safe, low-voltage lighting for practically any type of emergency situation.

At a moments notice, you have your own customized collection of low-voltage hazardous duty lighting devices ready to go. The oversized, extra-heavy reinforced vinyl bag is designed to carry a large load and to store it securely for its next use.

We offer a suggested Standard Emergency Lighting Kit that will meet many needs. Our extensive line of safety lighting equipment makes it easy for you to customize a Kit to suit your particular needs.

Meet OSHA Requirements
Meet NEC Requirements

All recommended low-voltage hazardous duty safety electrical devices meet or exceed OSHA and National Electrical Code Requirements. They are intended for use in confined entry applications, chemical wasted clean-ups, accidental spills, and just about any other type of emergency or condition.

High visibility for added safety
As with all other major Ericson products, we have also incorporated our High-Visibility Dual-Color Safety System™ on the Emergency Lighting Response Kit itself. At no extra cost, you receive greater people protection with our startling Brilliant Orange and Radiant Yellow colors that can add a new level of safety in hazardous areas involved in emergency situations.

Suggested Emergency Response Lighting Kit-

#1924-12A **Low-Voltage Vaporproof Handlamp**
with a 12 volt in-line transformer and a 25 ft. secondary cord. See Catalog page 47 for details.

#2350 **Explosionproof Handlamp**
with a 100 watt, 120 volt bulb and a 50 ft. cord. See Catalog page 53 for details on this lamp.

#1940-12 **Weatherproof Low-Voltage Transformer**
12 volt, with 2 receptacles, 200 va, each receptacle protected with a Flip Seal Cover. See Catalog page 50 for transformer details

#1948-12 **Vaporproof Handlamp**
with 12 volt bulb, and 50 ft. #14/3 SOY cord. See Catalog page 51 for details.

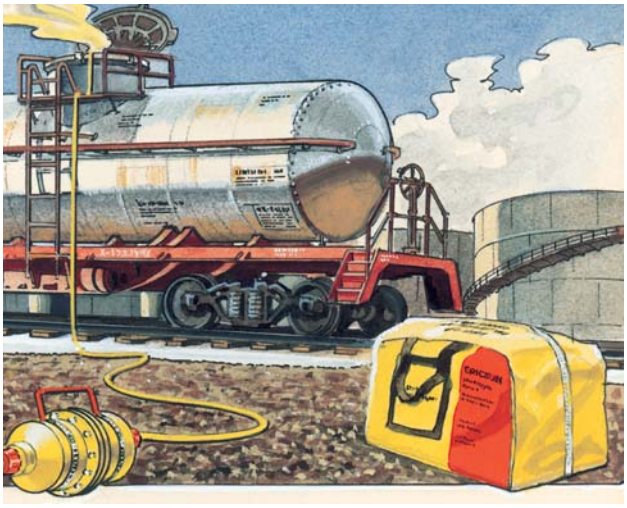
#1917 **High Intensity Low-Voltage Handlamp**
with in-line transformer and #1937-12 spotlight bulb, 4 ft. #16/3 SOY primary cord and 50 ft. #16/2 SOY secondary cord. See Catalog page 49 for details.

#1510PW163B **Extension Cord Set**
50 ft. length with Ericson Perma-Tite water, mud, and dust resistant plug and connector NEMA #5-15, 15 amp 125 volt. See Catalog page 79 for cord set details.

#1000 **High Pressure Sodium Portable Lamp**
(70 watt, 110 volt bulb) with 4 ft. #14/3 SO lead cord, and Ericson Perma-Link plug NEMA #5-15. See Catalog pages 42 - 43 for details.

#2450 **Explosion Proof Fluorescent Handlamp**
2400 Handlamp w/50' of 16/3 type SOW-A cord and 1510P Perma-Link male plug.

Emergency Lighting
Hazardous Duty Bag Available



HOW TO ORDER

The safety electrical devices listed here comprise a Suggested Emergency Response Lighting Kit that will meet many emergency needs.

We have many others in our extensive line of safety transformers, handlamps, GFCI's, outlet boxes, fluorescent lighting, cord sets, etc,. and it will be easy for you to customize a selection to suit your particular needs. Our Catalog Index will help you to locate them.

Please contact your Ericson representative or the factory for assistance.

Flashlights NEW!

Ericson offers a wide variety of flashlights for use in construction, general maintenance and hazardous environments. Select the one that is best for your application from our selection guide below.

Flashlights Selection Guide

	Standard Flashlights	**Hazardous Duty Flashlights**		
	100FB	110HZ	115HZ	
Specifications:				
Battery	2-D cells alkaline	2-D cells alkaline	2-AA cells alkaline	
Lamp	2.4V, KPR-102	2.38V, PR-2	2.38V, PR-2	
Color	Yellow/Black	Orange/Black	Orange	
Weight (w/ batteries)	0.9		0.9	
Rated Lamp Life (Hrs.)	15	15	15	
Candlepower	25000	7000	5000	
Environments	Waterproof	Class I, Groups C&D Class II, Group G Class III MSHA 30CFR Part 20	Class I, Groups C&D Class II, Group G Class III Approved for use as mining equipment	
Other	Flood to spot focusing Anti-roll design 3-way switch: OFF-FLASH-ON Spare bulb included	Switch guard prevents accidental lighting	Anti-roll design Faceted reflector Lens ring stand-offs Heavy duty lanyard	

UL LISTED CSA CERTIFIED

	Hazardous Duty Flashlights	**Lanterns**	**Headlamps**
	120LTNHZ	120LTNRBR	190HDLMP
	6 Volt lantern battery with spring terminals	6 Volt lantern battery with spring terminals	4-AA cells alkaline
	4.75V, PR-13	4.8V Krypton	
	Orange/Black	Yellow	Orange
	1.94		
	15		
	50000		
	Class I, Groups C&D Class II, Group G Class III MSHA 30CFR Part 20	Waterproof Floats beam-up	Class I, Div 1 & 2, Groups C&D
	Switch guard prevents accidental lighting	Large reflector Battery included	Hands-free operation Elastic headband Lamp housing swivels 45

UL LISTED CSA CERTIFIED

String lights

Stringlights

Ericson Manufacturing Company engineers and produces a comprehensive range of molded stringlights for temporary lighting applications. These stringlights help you create a safer workplace and comply with the NEC and OSHA regulations. These are molded and assembled under factory-controlled conditions to assure they meet our rigid standards of quality. So whether your putting up a new office building, lighting a tunnel construction project, trying to light a cruise ship or manufacturing the next generation military vessel, Ericson has the temporary stringlight you need. In the following pages you will find Ericson's comprehensive stringlight offering including:

- Construct-O-Lite 2-wire jacketed molded stringlights
- E-Lite™ midrange/economy 3-wire PVC jacketed molded stringlights
- Heavy-Duty Industrial 3-wire rubber jacketed molded stringlights
- Easy to use charts and drawings simplify the selection/specification process making it quick and user friendly
- Technical reference information to assist in your selection

Construct-O-Lite® 2-Wire Light-Duty Molded Stringlights NEW!

- UL Listed and CSA Certified
- Meets OSHA construction site requirements & NEC requirements
- Designed for applications that require rapid set-up/tear-down and an economy stringlight
- Available with SJTW or STW cord in 50 ft. and 100 ft. lengths

E-Lite™ Midrange/Economy 3-Wire Molded Stringlights NEW!

- UL Listed and CSA Certified
- Meets OSHA construction site requirements & NEC requirements
- Designed for applications that require rapid set-up/tear-down and a 3-wire stringlight
- Available with non-conductive, snap-open cage guard or wire guard
- Units come standard with Extra-Hard-Usage STW cord in 50 ft. and 100 ft. lengths

Heavy-Duty Industrial 3-wire rubber jacketed molded stringlights

- UL Listed and CSA Certified
- Meet OSHA Construction Site Requirements
- Meets NEC requirements for temporary lighting
- Designed for demanding industrial applications
- Units come standard with Extra-Hard-Usage SEOW cord in 50 ft. and 100 ft. lengths

Custom Built Stringlights

As always you can turn to Ericson Manufacturing Company to engineer a solution to your portable lighting application if you do not find a standard catalog item to fit your need. Contact the factory or your local sales representative to find out more.

Construct-O-Lite – 2-Wire Light-Duty Code Compliant Molded Stringlights

Comply with OSHA regulations and the NEC with these molded stringlights. No more open conductors that can be cut into by metal studs posing and extreme safety hazard. Several different models to choose from.

- UL Listed and CSA Certified
- Meets OSHA construction site requirements – 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting – NEC 305 and NEC 525-13(g)
- Designed for applications that require rapid set-up/tear-down and an economy stringlight
- Full threaded screwshell to ensure proper contact
- Easy relamping with non-conductive, snap-open cage guard
- Built-in hanger for easy installation with messenger cable or hooks
- Available with SJTW or STW cord in 50 ft. and 100 ft. lengths
- Standard models supplied with15Amp, 2-wire straight-blade (NEMA 1-15) plug

Re-lamping is easy with the snap-open cage guard.

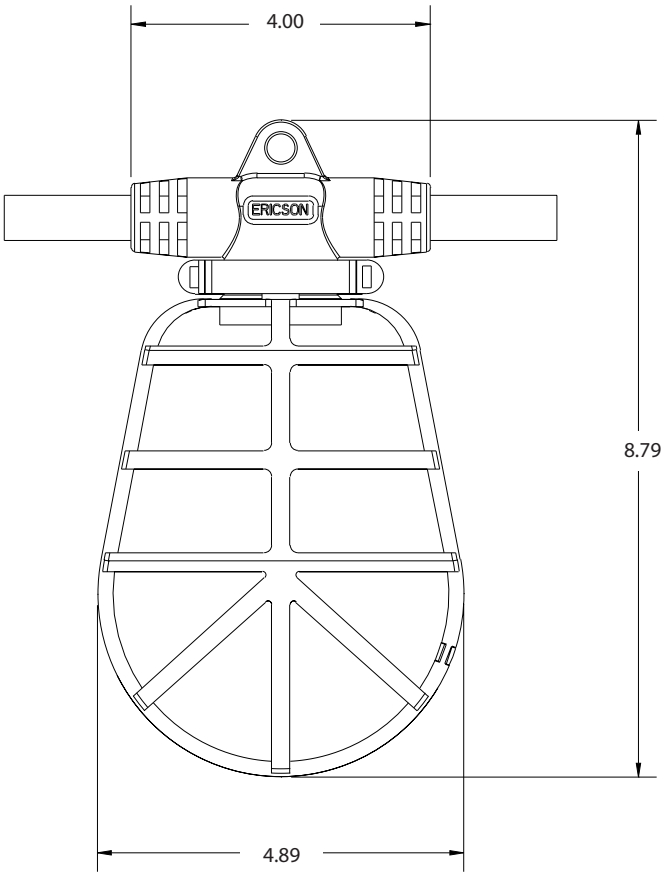
Construct-O-Lite Molded Stringlights Selection Guide

Standard products come with 5 ft. primary (lead) and 5 ft. secondary (tail)

	#14/2 AWG				
	14250	14250STW	142100	142100STW	
Specifications:					
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	
Overall Length	50 ft.	50 ft.	100 ft.	100 ft.	
Cable gauge & type	14/2 SJTW	14/2 STW	14/2 SJTW	14/2 STW	
Guard	04201 snap on lattice	04201 snap on lattice	04201 snap on lattice	04201 snap on lattice	
Number of sockets	5	5	10	10	
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	
Max watts per socket	200	200	150	150	
Primary	NEMA 1-15 plug	NEMA 1-15 plug	NEMA 1-15 plug	NEMA 1-15 plug	
Secondary	Blunt	Blunt	Blunt	Blunt	

NOTES:
1. Add -NP to catalog number for stringlights with no plug
2. Contact factory for custom assemblies

Construct-O-Lite®



#12/2 AWG				
	12250	12250STW	122100	122100STW
	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
	50 ft.	50 ft.	100 ft.	100 ft.
	12/2 SJTW	12/2 STW	12/2 SJTW	12/2 STW
	04201 snap on lattice	04201 snap on lattice	04201 snap on lattice	04201 snap on lattice
	5	5	10	10
	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
	200	200	150	150
	NEMA 1-15 plug	NEMA 1-15 plug	NEMA 1-15 plug	NEMA 1-15 plug
	Blunt	Blunt	Blunt	Blunt

Visibly the Best
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safety electrical specialties

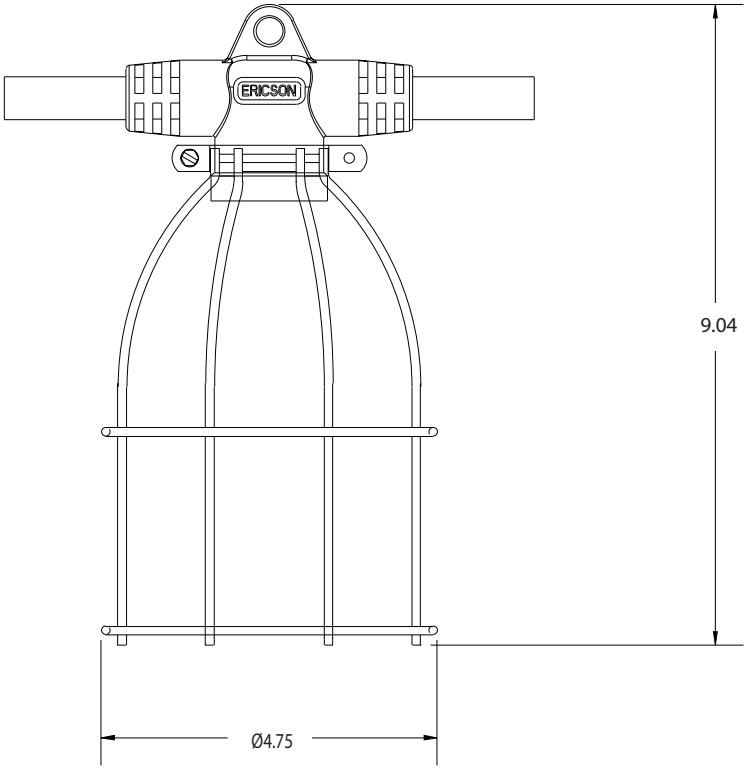
Temporary Lighting

3-Wire Midrange/Economy Molded Stringlights

E-Lite™ 3-Wire Economy Molded Stringlights

- UL Listed and CSA Certified
- Meets OSHA construction site requirements – 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting – NEC 305 and NEC 525-13(g)
- Designed for applications that require rapid set-up/tear-down and a 3-wire stringlight
- Full threaded screwshell to ensure proper contact
- Available with non-conductive, snap-open cage guard or wire guard
- Built-in hanger for easy installation with messenger cable or hooks
- Units come standard with Extra-Hard-Usage ST cord in 50 ft. and 100 ft. lengths
- Stringlights come standard with Ericson's Perma-Grip™ plugs and connectors.

E-Lite™ with 201 Wire Guard



E-Lite™ 3-Wire Economy Molded Stringlights Selection Guide

Standard products come with 5 ft. primary (lead) and 5 ft. secondary (tail)

Stringlights with #12/3 STW Cable:

	#12/3 STW w/ Plastic Lattice Guard			#12/3 STW w/ Wire Cage Guard		
50 ft. Overall Length	12350STWY-1L	12350STWY-2L	12350STWY-3L	12350STWY-1W	12350STWY-2W	12350STWY-3W
100 ft. Overall Length	123100STWY-1L	123100STWY-2L	123100STWY-3L	123100STWY-1W	123100STWY-2W	123100STWY-3W
Specifications:						
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Overall Length	see above	see above	see above	see above	see above	see above
Cable gauge & type	12/3 STW	12/3 STW	12/3 STW	12/3 STW	12/3 STW	12/3 STW
Guard	04201 snap on lattice	04201 snap on lattice	04201 snap on lattice	201 Wire guard	201 Wire guard	201 Wire guard
Number of sockets:						
50 ft. stringlights	5	5	5	5	5	5
100 ft. stringlights	10	10	10	10	10	10
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:						
50 ft. stringlights	200	200	200	200	200	200
100 ft. stringlights	150	150	150	150	150	150
Plug	1510-PW (NEMA 5-15)	1520-PW (NEMA L5-15)	2310-PW (NEMA L5-20)	1510-PW (NEMA 5-15)	1520-PW (NEMA L5-15)	2310-PW (NEMA L5-20)
Connector	1610-CW (NEMA 5-15)	1620-CW (NEMA L5-15)	2410-CW (NEMA L5-20)	1610-CW (NEMA 5-15)	1620-CW (NEMA L5-15)	2410-CW (NEMA L5-20)

Stringlights with #14/3 STW Cable:

	#14/3 STW w/ Plastic Lattice Guard		#14/3 STW w/ Wire Cage Guard	
50 ft. Overall Length	14350STWY-1L	14350STWY-2L	14350STWY-1W	14350STWY-2W
100 ft. Overall Length	143100STWY-1L	143100STWY-2L	143100STWY-1W	143100STWY-2W
Specifications:				
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Overall Length	see above	see above	see above	see above
Cable gauge & type	14/3 STW	14/3 STW	114/3 STW	14/3 STW
Guard	04201 snap on lattice	04201 snap on lattice	201 Wire guard	201 Wire guard
Number of sockets:				
50 ft. stringlights	5	5	5	5
100 ft. stringlights	10	10	10	10
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:				
50 ft. stringlights	200	200	200	200
100 ft. stringlights	150	150	150	150
Plug	1510-PW (NEMA 5-15)	1520-PW (NEMA L5-15)	1510-PW (NEMA 5-15)	1520-PW (NEMA L5-15)
Connector	1610-CW (NEMA 5-15)	1620-CW (NEMA L5-15)	1610-CW (NEMA 5-15)	1620-CW (NEMA L5-15)

NOTES:

1. Contact factory for custom assemblies

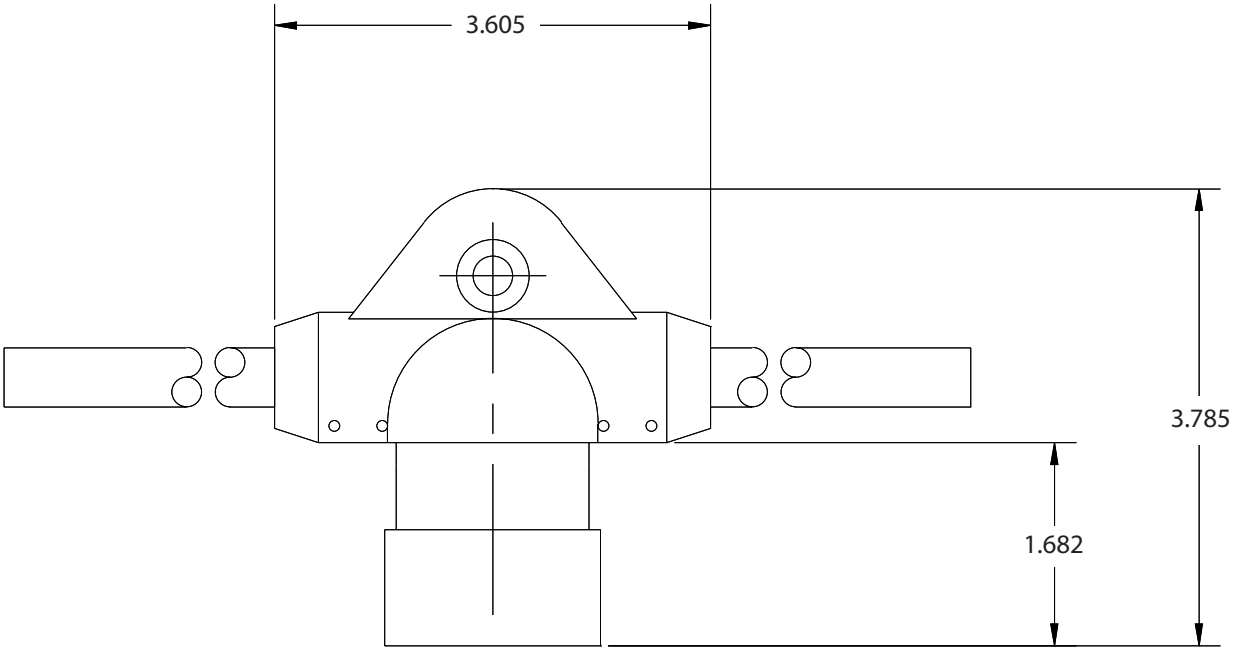
Temporary Lighting

3-Wire Heavy Duty Molded Stringlights

3-Wire Heavy Duty Molded Stringlights

- UL Listed and CSA Certified
- Meets OSHA construction site requirements – 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting – NEC 305 and NEC 525-13(g)
- Designed for demanding industrial applications
- Full threaded screwshell to ensure proper contact
- Available with non-conductive, rain-guard or wire guard
- Built-in hanger for easy installation with messenger cable or hooks
- Units come standard with Extra-Hard-Usage SEOW cord in 50 ft. and 100 ft. lengths
- Stringlights come standard with Ericson's Perma-Tite® plugs and connectors

Navy Drops



Heavy-Duty Industrial 3-Wire Molded Stringlights Selection Guide

Standard products come with 5 ft. primary (lead) and 5 ft. secondary (tail)

Stringlights with #12/3 SEOW Cable:				Stringlights with #14/3 SEOW Cable:	
50 ft. Overall Length	12350Y-1	12350Y-2	12350Y-3	14350Y-1	14350Y-2
100 ft. Overall Length	123100Y-1	123100Y-2	123100Y-3	143100Y-1	143100Y-2
Specifications:					
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Overall Length	see above	see above	see above	see above	see above
Cable gauge & type	12/3 SEOW	12/3 SEOW	12/3 SEOW	14/3 SEOW	14/3 SEOW
Guard	see note 1	see note 1	see note 1	see note 1	see note 1
Number of sockets:					
50 ft. stringlights	5	5	5	5	5
100 ft. stringlights	10	10	10	10	10
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:					
50 ft. stringlights	200	200	200	200	200
100 ft. stringlights	150	150	150	150	150
Plug	1510-PW (NEMA 5-15)	1520-PW (NEMA L5-15)	2310-PW (NEMA L5-20)	1510-PW (NEMA 5-15)	1520-PW (NEMA L5-15)
Connector	1610-CW (NEMA 5-15)	1620-CW(NEMA L5-15)	2410-PW (NEMA L5-20)	1610-CW (NEMA 5-15)	1620-CW (NEMA L5-15)

NOTES:

1. Order guards with 1-3/4" collar separately
2. Left-Hand Threaded Sockets - Add "-L" to catalog number: 123100Y-1 becomes 123100Y-1-L
3. Contact factory for custom assemblies

Lamp Guards for Stringlights

- Heavy-Duty Rain-Guard
- Meets OSHA requirements for temporary lighting: Temporary lights shall be equipped with guards to prevent accidental contact with bulb
- One-piece molded high-impact polycarbonate
- Prevents accidental contact with bulb
- Transparent to let light shine through while protecting bulb from jobsite debris and moisture
- Built-in vents dissipate heat and allow air-flow around bulb for cooling
- Matching polycarbonate end-cap available to provide complete bulb protection

Patented: Pat. No. 4180851

	Collar Diameter	
Description	**1-1 1/2″**	**1-3/4″***
Guard Only	#212	#214
Guard with end cap	#213	#215
End cap only	#216	#216

Length 6- 5/8″. Diameter 4 11/16″.

*When ordering Lamp Guards for Ericson molded stringlights, select guards with 1-3/4″ diameter guard holder grooves.

Accommodates up to 100 watt rough service lamps.

Heavy-Duty Wire Lamp Guards

- Heavy-duty plating provides maximum corrosion resistance
- Constructed of heavy-gauge steel
- Available with Vinyl coating

Heavy Duty Wire Lamp Guards Selection Guide

Universal style plated or vinyl coated

Guard Style	**#201 & #211**		**#219 & #220**		**#222**		**#223 & #224**	
Lamp Size	**up to 150 watt A-23-RS or 200 watt A-23/Std.**		**150 watt PS25 or 200 watt PS30-RS**		**150 watt A-23/RS or 200 watt A-23/Std.**		**PAR-38 or R-4**	
Collar Diameter*	1-1/2″	1-3/4″*	1-1/2″	1-3/4″*	1-1/2″	1-3/4″*	1-1/2″	1-3/4″*
Plated	#201	#211	#219	#220	-	#222	#223	#224
Vinyl coated	#201-P	#211-P	#219-P	#220-P	-	#222-P	#223-P	#224-P
Dimensions	Length 7″ Diameter 4-3/4″		Length 10″ Diameter 5″		Length 6-1/2″ Diameter 4″		Length 7-1/2″ Diameter 6-1/2″	

Custom Assembly Service

For your convenience, we offer the most common stringlights with 10 ft. socket spacing in 50 and 100 ft. lengths. Unlike others however, we go beyond the normal service and offer you a full customized capability to provide you with the most functional stringlight assemblies that are designed to satisfy virtually any need.

We can install T-Drops on the stringlight assemblies to accommodated a wide variety of devices such as our Perma-Tite water and dust resistant connectors, outlet boxes, hand lamps (such as our Vapor-Gard vaporproof style) and many other devices that you might require. In addition, you can specify desired cord length, cord size, drop length and socket spacing.

Every custom assembly is completely tested and carries the same guarantees as our standard lighting systems.

- To receive a quote on your custom stringlight assembly, simply fill in the blanks on the following page & contact your local Ericson representative or the factory.

Temporary Lighting

Stringlight Assembly Configuration

Stringlight Assembly Configurator

Overall Length: _____

Primary (Lead) Length: _____

Secondary (Tail) Length: _____

Plug (ex: 1510-PW): _____

Connector (ex: 1610-CW): _____

Cable Size/Type (ex: #12/5 SEO): _____

Total Number of Sockets: _____

Spacing between Sockets: _____

Lamp Guard Type (select from list below):

201	214	219	222	223
211		220	222-P	224
201-P		219-P		223-P
211-P		220-P		224-P

Are T-Drops Required? _____Yes _____No

How Many_____

If Yes: Length of T-Drop: _____

Cable Size/Type: _____

Device Required at End (ex: 1610-CW): _____

Other: _____

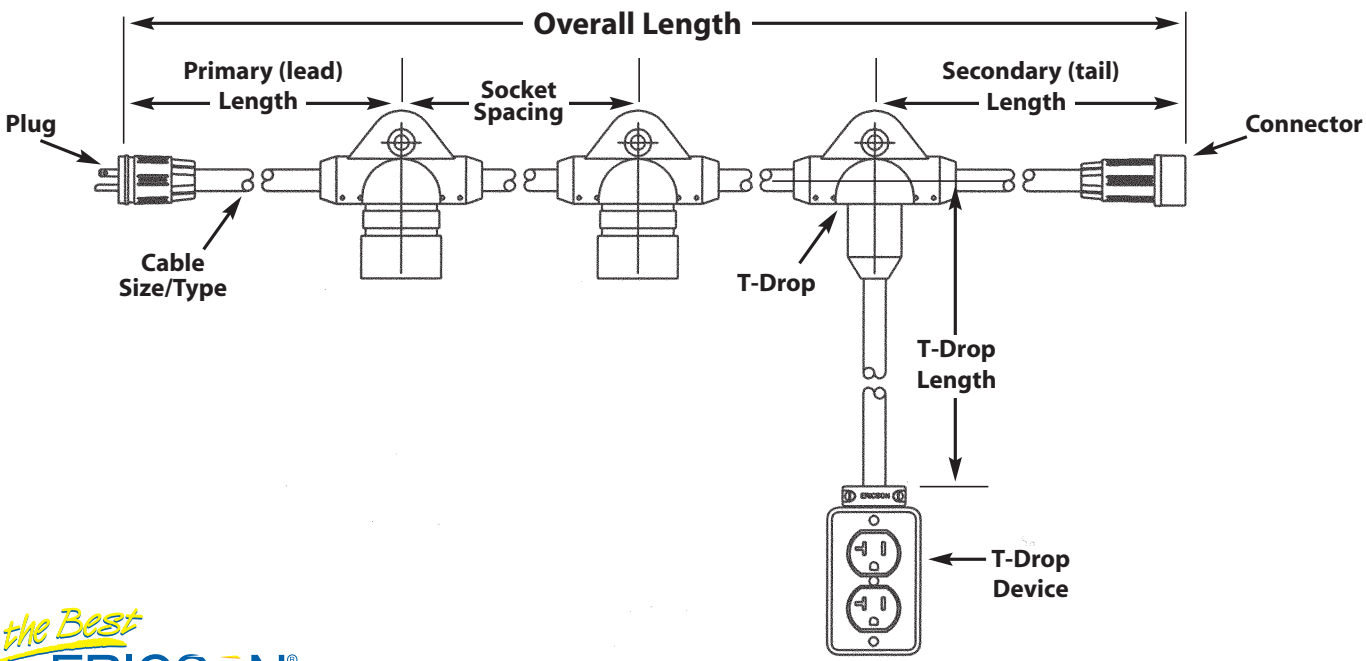
Other:

_____

_____

_____

The drawing below is intended to serve as a reference tool to assist in the specification of your custom assembly.



Notes

Visit Our Website at www.ericson.com

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safety electrical specialties

Code Related Issues
1999 National Electrical Code

Article 525 – Carnivals, Circuses, Fairs, and Similar Events

Section 525-13(g) - Wiring Methods. Inside Tents and Concessions

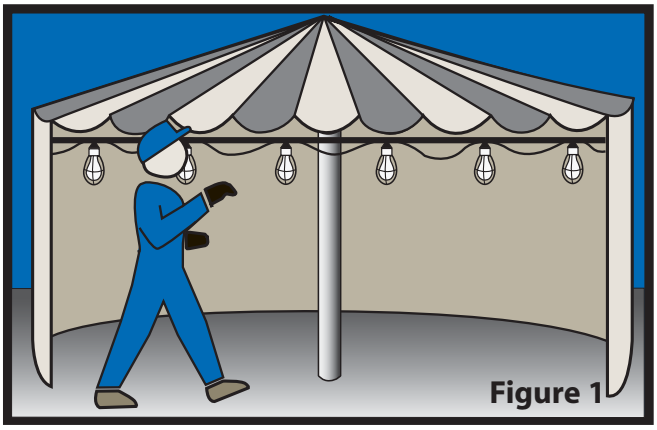


Figure 1

This change requires "Electrical wiring for temporary lighting installed inside of tents and concessions areas to be securely installed, and where subject to physical damage, the wiring shall be provided with mechanical protection. In addition, all lamps for general illumination shall be protected from accidental breakage by a suitable fixture or lampholder with guard" (See figure 1).

OSHA 1926.405 Safety & Health Regulations
Wiring methods, components, and equipment for general use.
SubPart Number: K - Electrical - Installation Safety Requirements

(a)(2)(ii)(G)
Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less. However, 120-volt lights may be used if protected by a ground-fault circuit interrupter.

(a)(2)(ii)(E)
All lamps for general illumination shall be protected from accidental contact or breakage. Metal-case sockets shall be grounded.

(a)(2)(ii)(F)
Temporary lights shall not be suspended by their electric cords unless cords and lights are designed for this means of suspension.

(a)(2)(ii)(J)
Extension cord sets used with portable electric tools and appliances shall be of three-wire type and shall be designed for hard or extra-hard usage. Flexible cords used with temporary and portable lights shall be designed for hard or extra-hard usage.
NOTE: The National Electrical Code, ANSI/NFPA 70, in Article 400, Table 400-4, lists various types of flexible cords, some of which are noted as being designed for hard or extra-hard usage. Examples of these types of flexible cords include hard service cord (types S, ST, SO, STO) and junior hard service cord (types SJ, SJO, SJT, SJTO).

(j)(1)(iii)
Portable lamps. Portable lamps shall be wired with flexible cord and an attachment plug of the polarized or grounding type. If the portable lamp uses an Edison-based lampholder, the grounded conductor shall be identified and attached to the screw shell and the identified blade of the attachment plug. In addition, portable handlamps shall comply with the following:

j)(1)(iii)(A)
Metal shell, paperlined lampholders shall not be used;

(j)(1)(iii)(B)
Handlamps shall be equipped with a handle of molded composition or other insulating material;

(j)(1)(iii)(C)
Handlamps shall be equipped with a substantial guard attached to the lampholder or handle;

(j)(1)(iii)(D)
Metallic guards shall be grounded by the means of an equipment grounding conductor run within the power supply cord.

(j)(1)(iv)
Lampholders. Lampholders of the screw-shell type shall be installed for use as lampholders only. Lampholders installed in wet or damp locations shall be of the weatherproof type.
..1926.405(j)(1)(v)

(j)(1)(v)
Fixtures. Fixtures installed in wet or damp locations shall be identified for the purpose and shall be installed so that water cannot enter or accumulate in wireways, lampholders, or other electrical parts.

OSHA 1926.403 Safety & Health Regulations

General requirements.
SubPart Number: K - Electrical - Installation Safety Requirements

(g)
Marking. Electrical equipment shall not be used unless the manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product may be identified is placed on the equipment and unless other markings are provided giving voltage, current, wattage, or other ratings as necessary. The marking shall be of sufficient durability to withstand the environment involved.
..1926.403(h)

NEC

305-4 General (f)
Lamp Protection. All lamps for general illumination shall be protected from accidental contact or breakage by a suitable fixture or lampholder with a guard.
Brass shell, paper-lined sockets, or other metal-cased sockets shall not be used unless shell is grounded.

410-42
(a) General. Portable lamps shall be wired with flexible cord recognized by Section 400-4 and an attachment plug of the polarized or grounding type. Where used with Edison-base lampholders, the grounded conductor shall be identified and attached to the screw shell and the identified blade of the attachment plug.

(b) Portable Handlamps. In addition to the provisions of Section 410-42(a), portable handlamps shall comply with the following. (1) Metal shell, paper-lined lampholders shall not be used.
(2) Handlamps shall be equipped with a handle of molded composition or other insulating material.
(3) Handlamps shall be equipped with a substantial guard attached to the lampholder or handle.
(4) Metallice guards shall be grounded by the means of an equipment grounding conductor run with circuit conductors within the power-supply cord.
(5) Portable handlamps shall not be required to be grounded where supplied through an isolating transformer with an ungrounded secondary of not over 50 volts.

410-44 Cord Bushings. A bushing or the equivalent shall be provided where flexible cord enters the base or stem of a portable lamp. The bushing shall be of insulating material unless a jacketed type of cord is used.

410-49 Lampholders in Wet or Damp Locations. Lampholders installed in wet or damp locations shall be of the weatherproof type.

PERMA-TITE® Plugs & Connectors
PERMA-GRIP™ Plugs & Connectors
PERMA-LINK® Plugs & Connectors
PERMA-WATCH® Plugs & Connectors
PERMA-QUICK™ Plugs & Connectors

Visibly the Best
ERICSON®
safety electrical specialties

Ericson Manufacturing Company engineers and produces a comprehensive range of plugs and connectors for demanding industrial and construction environments. From the invention of the first "dead-front, back-wired" electrical plug in 1929 and patent in 1936 to present day innovations such as Perma-Grip™ and Perma-Quick™ devices that speed installation by as much as 75% over standard plugs and connectors. In the following pages you will find:

- Perma-Tite®, Perma-Grip™, Perma-Link®, Perma-Watch® and Perma-Quick™ plugs & connectors all engineered with:
  - Dead-front, back-wired design
  - Solid brass blades
  - Transparent back-plate for easy inspection of individual wiring chamber
- Captive assembly and terminal screws reduce the risk of losing small parts
- No-Slip elastomeric housing with finger-grips
- Keyed body and housing eliminate mis-alignment
- High visibility Ericson safety yellow and orange colors
- NEMA configurations and a variety of specialty NON-NEMA Devices
- 15Amp, 20Amp, 30Amp and 50Amp models
- Standard voltages from 120Volts through 600Volts
- Easy to use charts and drawings simplify the selection/specification process making it quick and user friendly
- Technical reference information including OSHA regulations and dimensional drawings

PERMA-TITE® *Plugs & Connectors*

- UL Listed and CSA Certified
- Eight-Point sealing system insures water tight integrity between plug & connector
- Corrosion resistant nickel plated blades

PERMA-GRIP™ *Plugs & Connectors*

- UL Listed and CSA Certified
- Compression Cord Grip Nut speeds installation by eliminating the need to "screw-down" the cable clamp and eliminates pinching of the cord
- Impact, corrosion, crushing and chemical resistant
- High visibility Ericson safety yellow and orange colors

PERMA-LINK® *Plugs & Connectors*

- UL Listed and CSA Certified
- Double-lead screws on self-centering cord clamp
- Internal cord seal provides added environmental protection
- Impact, corrosion, crushing and chemical resistant
- Ericson "reverse-boot" design for added environmental protection

PERMA-WATCH® *Plugs & Connectors*

- UL Listed and CSA Certified
- Continuously monitors ground continuity and wiring conditions from the GCM to the source
- Monitors line-side requirements for OSHA's AEGCP

PERMA-QUICK™ *Plugs & Connectors*

- UL Listed and CSA Certified
- Cord grip with rubber bushing and nut provides environmental protection and speeds assembly

Custom Built Devices

As always you can turn to Ericson Manufacturing Company to engineer a solution to your plug & connector application if you do not find a standard catalog item to fit your need. Contact the factory or your local sales representative to find out more.

Plugs & Connectors

Industrial Wiring Device Innovations

Ericson's Industrial Wiring Device Innovations Revolutionized Electrical Safety

Sixty cents. That's what it would have cost in 1918 to purchase one of the first insulating Rubber Handles for one of your Extension Light, or Drop Lights as they were called in those days. The C & E Universal Safety Handle was molded of a heavy duty rubber compound and was designed for use with either keyed or keyless sockets to protect workers from electrical shocks and to add to the service life of the lights. Many lamp guards up to that point were made of wood which proved too fragile to withstand the many industrial uses to which they were put.

C & E was the forerunner of today's Ericson Manufacturing Co., founded by Edward O. Ericson. Ericson pioneered the development of a variety of important safety electrical devices.

Ericson devoted his attention to industrial applications. There was a great need for safe products for workers using electricity. Simple, molded rubber hand lamp handles (which he had patented in 1918) gave way to more sophisticated designs made of a variety of materials, each providing increasingly better electrical safety, durability and price advantages.

Ericson also pioneered in this area, and in 1927 introduced the first Insulated Hand Lamp Guards. The basic guard included a 1/16-in. thick electrolytically bonded insulation coating of the "toughest kind of rubber" that withstood di-electric tests of more than 4,000 volts. They provided a high degree of electrical safety and added to a lamp's service life under the roughest conditions.

Ericson's invention of the first "Dead-Front, Back-Wired" Electrical Plug in 1929 is perhaps the single most important development in the wiring device industry in the past seventy-plus years. U.S. Patent # 2061190 was assigned to it in 1936.

Older plugs and connectors had the wiring come through from the back. They were wired in the front end where the connections were visible and were susceptible to damage from moisture, dirt, tools, etc. (Fiber discs, and later plastic discs, were used to cover these wiring areas, but they often came off during use.) The Ericson "Dead-Front, Back-Wired" design placed the wiring connections at the rear of the plug with the front end closed off by a structural member of the device. The blades were held firmly and permanently in alignment.

There were no rivets to loosen or fiber to warp. Connections on the inside were protected. Cord grips kept tension off the terminals. Flexible shanks took the wear off the cord. They were easy to wire in the field. Newer variations are now even quicker and easier to wire: the stripped wires are inserted in holes, where simple screw tightening secures them in place.

Many products available today reach beyond being simple plugs or connectors. They are all, however, dead-front, back-wired devices. Our Perma-Tite® Plugs and Connectors have unique features to protect the internals from moisture, dust and dirt. And covers using new, high tech materials resist chemicals, acids and oils to provide greater service life in extremely hazardous environments.

Plug into history: Before 1929 (top), plug connections were exposed. The first dead-front, back-wired plug created by Ericson (middle) revolutionized the industry, and eventually led to modern plugs (bottom) with such amenities as built-in ground and continuity monitors.

Ericson's Perma-Watch® Plugs and Connectors have built-in Ground and Continuity Monitor Devices to help workers determine at a glance whether their electrical power source's grounding system in safe. The GCM's have internal LED lamps that glow when the line has ground continuity. These devices also can help cut as much as 90% of the cost of maintaining OSHA required records for extension cord sets and temporary job site receptacles.

Ericson's dead-front, back-wired 1929 design is important: both the National Electrical Code and OSHA still require its use.

UL Listed CSA Certified

PERMA-TITE® Plugs and Connectors

Perma-Tite plugs and connectors are engineered and manufactured to the highest quality standards to provide the ultimate in electrical service and protection. They are designed and proven to do their best under the worst conditions in a broad array of the most severe food processing, industrial, marine, construction and petro-chemical work environments

- UL Listed and CSA Certified
- Plug and connector bodies made with PBT chosen for its high resistance to moisture absorption, high voltage arcing and carbon tracking.
- Eight-point rubber tongue and groove sealing system provides environmental protection
- Additional protection provided by a unique internal water/dust wiper
- Keyed body and cover for easy alignment/assembly
- Color-coded sealing bushing are provided to fit a variety of cord diameters
- Removable/replaceable self-retained rubber sealing cap provided with connector to keep out contaminants when not in use
- Optional plug cover available
- Transparent back-plate makes for quick visual wiring checks
- Ericson's exclusive Brilliant Orange and Radiant Yellow High Visibility Dual Color Safety System

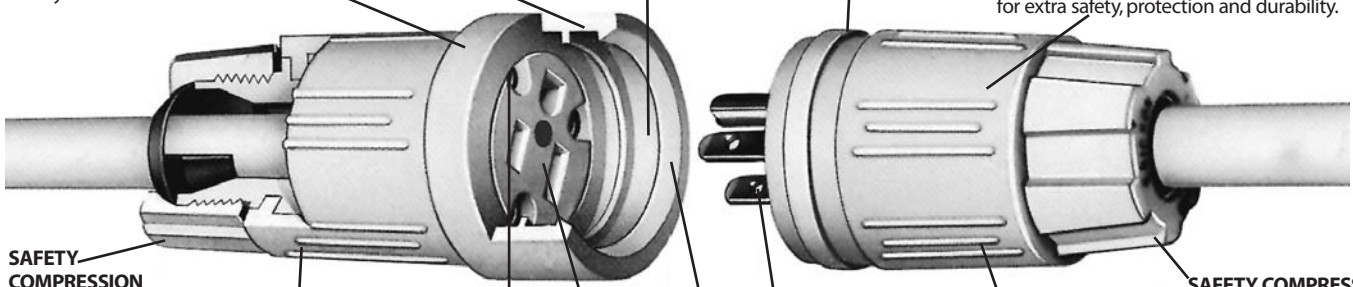
HIGH-VISIBILITY SAFETY COLORS Added safety in dull work areas with Brilliant Orange and Radiant Yellow safety colors.

UNIQUE WATER/ DUST WIPER Seals out moisture, mud and particles.

ORIGINAL DEAD-FRONT BACK-WIRED CONSTRUCTION We set industry standards with this design with no exposed current carrying parts.

EIGHT POINT SEALING Unique rubber to rubber tongue and groove eight point seal-tite system when mated.

DOUBLE INSULATED Superior thermoplastic polyester body with TPE thermoplastic elastomer cover for extra safety, protection and durability.



SAFETY COMPRESSION CORD GRIP Non-conductive, long life rugged PTB, powerful cord grip, unique design accepts all AWG wire range sizes from #18 through #8 with no crushing and no inserts to change or add.

CORROSION RESISTANT ASSEMBLY SCREWS Stainless double lead assembly screws made for plastics exclusively to insure fast assembly and withstand high torque and pullout

PBT BODY Rugged thermoplastic polyester body in plug and connector.

CORROSION RESISTANT NICKEL PLATED Current carrying blades and contacts of high conductivity copper alloy with nickel plating for corrosion resistance.

FINGER GRIPS Non-slip finger grips aid in assembly

SAFETY COMPRESSION CORD GRIP Non-conductive, long life rugged PTB, powerful cord grip, unique design accepts all AWG wire range sixes from #18 through #8 with no crushing and no inserts to change or add.

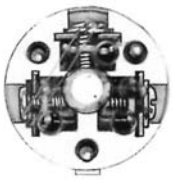
FINGER GRIPS Non-Slip finger grips aid in assembly.

EIGHT POINT SEALING Unique rubber-to-rubber tongue and groove eight point seal-tite system when mated.

EXTRA BUSHINGS Color coded rubber cord sealer bushings supplied for diameter ranges .300-910.

NEMA RATING Rating shows on plugs and connectors for identifications

TRANSPARENT BACK PLATE Clear polycarbonate for fast wiring inspections



INDIVIDUAL WIRE POCKETS Help prevent flash overs. On selected configurations

CAPTIVE TERMINAL SCREWS color coded, meet NEC article #210-10.

INDIVIDUAL WIRE ENTRANCE SLEEVES Prevent flash overs. On selected configurations

Plugs & Connectors

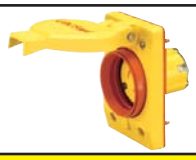
PERMA-TITE® Devices

PERMA-TITE® Devices Selection Guide

Face View	NEMA Configuration	Electrical Ratings		Perma-Tite®	
		Amps	Volts	Plugs	Connectors
2-Pole, 3-Wire Grounding					
	5-15	15	125	1510-PW	1610-CW
	5-20	20	125	1512-PW	1612-CW
	6-15	15	250	1514-PW	1614-CW
	6-20	20	250	1516-PW	1616-CW
Locking, 2-Pole, 3-Wire Grounding					
	L5-15	15	125	1520-PW	1620-CW
	L6-15	15	250	1522-PW	1622-CW
	L7-15	15	277	1524-PW	1624-CW
	L5-20	20	125	2310-PW	2410-CW
	L6-20	20	250	2312-PW	2412-CW
	L7-20	20	277	2314-PW	2414-CW
Locking, 3-Pole, 3-Wire Non-Grounding					
	Non-NEMA	20	125/250	2316-PW	2416-CW
	Non-NEMA	20 10	125 600	2317-PW(1)	2417-CW(1)
Locking 3-Pole, 4-Wire Grounding					
	L14-20	20	125/250	2320-PW	2420-CW
	L15-20	20	250, 3Ø	2322-PW	2422-CW
	L16-20	20	480, 3Ø	2324-PW	2424-CW
Locking 2-Pole, 3-Wire Grounding					
	L5-30	30	125	2510-PW	2610-CW
	L6-30	30	250	2512-PW	2612-CW
	L7-30	30	277	2514-PW	2614-CW
Locking 3-Pole, 3-Wire Non-Grounding					
	Non-NEMA	30	125/250	2516-PW	2616-CW
Locking 3-Pole, 4-Wire Grounding					
	L14-30	30	125/250	2520-PW	2620-CW
	L15-30	30	250, 3Ø	2522-PW	2622-CW
	L16-30	30	480, 3Ø	2524-PW	2624-CW
	L17-30	30	600, 3Ø	2526-PW	2626-CW
Locking 4-Pole, 4-Wire					
	L18-30	30	120/208, 3Ø wye	2530-PW	2630-CW
Locking 4-Pole, 4-Wire Non-Grounding					
	Non-NEMA	30	120/208, 3Ø wye	2528-PW	2628-CW

Notes:

1. For replacement use only. Not recommended for new installations
2. Insert "A" for 25 ft. cord set, "B" for 50 ft. cord set or "D" for 100 ft. cord set



	Single Outlet FS Cover Plates	Duplex Outlet FS Cover Plates	Perma-Tite Factory Assembled Cord Sets(2)			
			#16 SOW	#14 SOW	#12 SOW	#10 SOW
	2715-FS10	1610-PWDX	1510PW163__	1510PW143__		
	2715-FS12	1612-PWDX		1512PW143__	1512PW123__	
	2715-FS14	1614-PWDX	1514PW163__	1514PW143__		
	2715-FS16	1616-PWDX		1516PW143__	1516PW123__	
	2715-FS20	1620-PWDX	1520PW163__	1520PW143__		
	2715-FS22	1622-PWDX	1522PW163__	1522PW143__		
	2715-FS24	1624-PWDX	1524PW163__	1524PW143__		
	2820-FS10			2310PW143__	2310PW123__	
	2820-FS12			2312PW143__	2312PW123__	
	2820-FS14			2314PW143__	2314PW123__	
	2820-FS16					
	2820-FS17					
	2920-FS20			2320PW144__	2320PW124__	
	2920-FS22			2322PW144__	2322PW124__	
	2920-FS24			2324PW144__	2324PW124__	
	2830-FS10				2510PW123__	2510PW103__
	2830-FS12				2512PW123__	2512PW103__
	2830-FS14				2514PW123__	2514PW103__
	2830-FS16					
	2930-FS20				2520PW124__	2520PW104__
	2930-FS22				2522PW124__	2522PW104__
	2930-FS24				2524PW124__	2524PW104__
	2930-FS26				2526PW124__	
	2930-FS30				2530PW124__	2530PW104__

Refer to the section on IEC 309 Pin & Sleeve Devices for a complete listing of North American & Internationally rated plugs, connectors, receptacles, inlets, mechanical interlocks & accessories.

UL Listed CSA® Certified

Plugs & Connectors

PERMA-TITE® In-Line GFCI Cord Sets

1083-12-25PT

1084-12-2BW

UL Listed CSA Certified

PERMA-TITE® In-Line GFCI Cord Sets

These cord sets combine the reliability of Ericson's Perma-Tite plugs and connectors and the personnel protection of Ericson's industry leading portable GFCIs. They are designed for and proven to do their best under the worst conditions in a broad array for the most severe environments: food processing, industrial, marine, construction and petro-chemical work. Engineered and manufactured to the highest quality standards to provide the ultimate in electrical service and protection.

- UL Listed and CSA Certified
- This unit combines a rugged cord set with the personal protection of a GFCI
- Compact & portable, this unit is easy to use, store and transport
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Molded polycarbonate enclosure is corrosion and impact resistant, and stands up to the toughest jobsite conditions
- Engineered strain relief protects cord from excessive bending and pulling
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity LED indicator lamp glows bright when power is on for easy identification of power status
- Plug and connector bodies made with PBT chosen for its high resistance to moisture absorption, high voltage arcing and carbon tracking.
- Eight-point rubber tongue and groove sealing system provides environmental protection
- Additional protection provided by a unique internal water/dust wiper
- Ericson's exclusive Safety Yellow and Orange color combination for easy identification
- Custom Configurations available for your in-plant or OEM application- Contact the factory or your local Ericson Representative

PERMA-TITE® In-Line GFCI Cord Sets Selection Guide

NEMA Configuration	Electrical Ratings		Cord Size/Type	w/ Perma-Tite Plug & Connector			Perma-Tite Plug & 6100 Box
	Amps	Volts		1' Cord	6' Cord	25' Cord	1' Cord
5-15	15	125	#14 SJTW	1083-14-2PT	1083-14-6PT	1083-14-25PT	
5-20	20	125	#12 SJTW	1083-12-2PT	1083-12-6PT	1083-12-25PT	1084-12-2BW

Consult factory for custom assemblies

Notes

Plugs & Connectors

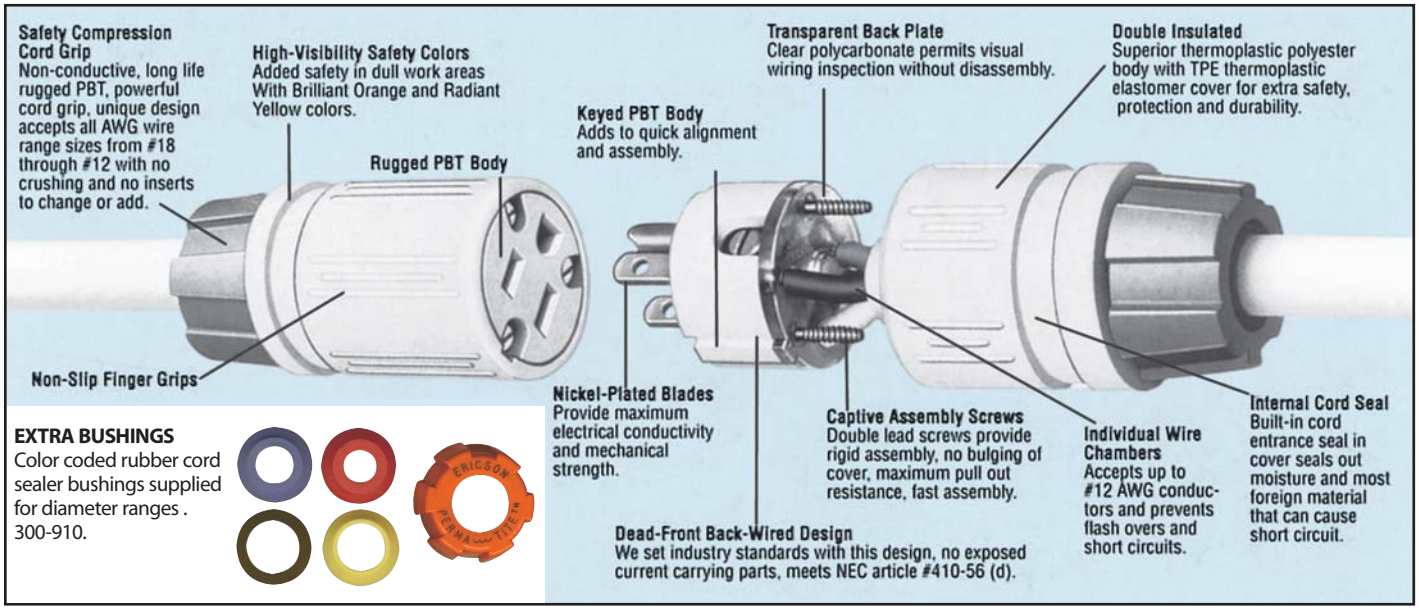
PERMA-GRIP™ Devices

PERMA-GRIP™ Plugs and Connectors

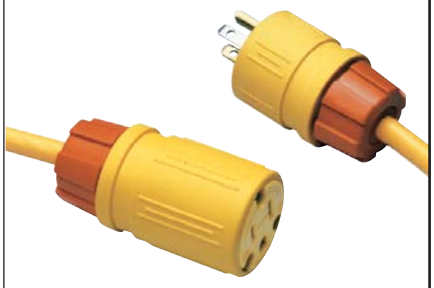
Ericson's industry exclusive design combines the Perma-Tite® cord grip with the industry proven design of its Perma-Link® devices to provide a line of **incredibly tough plugs and connectors** that stand up to the most demanding industrial and construction environments.

- UL Listed and CSA Certified
- Quick field assembly, no cable clamp screws to tighten, simply twist on the cord grip nut
- Water/mud/dust resistance provided by safety compression cord grips
- Keyed body and cover for easy alignment/assembly
- Color coded rubber cord-seal bushings accommodate cable diameters; .330"-.720"
- Molded-in non-slip fingers grips makes devices easy to assemble and handle
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20° C - 110° C
- Individual wire pockets help prevent flashovers
- Transparent back plate speeds wiring inspection
- Selected models available with Ground Continuity Monitor
- Available individually or on factory assembled cord sets
- Flexibility of reverse-cover design creates weather-resistant connections by interchanging covers
- Ericson's exclusive Brilliant Orange and Radiant Yellow High Visibility Dual Color Safety System

UL Listed CSA Certified



PERMA-GRIP™ Devices Selection Guide



Face View	NEMA Configuration	Electrical Ratings		Perma-Grip		Cord Hole	Perma-Grip Factory Assembled Cord Sets(1)		
		Amps	Volts	Plugs	Connectors	Dia. (in.)	#16 SOW	#14 SOW	#12 SOW
Straight Blade, 2-pole, 3-wire Grounding Devices									
	5-15	15	125	1510-PG	1610-CG	0.330-.610	1510PG163__	1510PG143__	
	5-20	20	125	1512-PG	1612-CG	0.330-.610		1512PG143__	1512PG123__
	6-15	15	250	1514-PG	1614-CG	0.330-.610	1514PG163__	1514PG143__	
	6-20	20	250	1516-PG	1616-CG	0.330-.610		1516PG143__	1516PG123__
Locking, 2-pole, 3-wire Grounding Devices									
	L5-15	15	125	1520-PG	1620-CG	0.330-.610	1520PG163__	1520PG143__	
	L6-15	15	250	1522-PG	1622-CG	0.330-.610	1522PG163__	1522PG143__	
	L7-15	15	277	1524-PG	1624-CG	0.330-.610	1524PG163__	1524PG143__	
	L5-20	20	125	2310-PG	2410-CG	.520-.655		2310PG143__	2310PG123__
	L6-20	20	250	2312-PG	2412-CG	.520-.655		2312PG143__	2312PG123__
Locking, 3-pole, 3-wire Non-Grounding Devices									
	Non-NEMA	20	125/250	2316-PG	2416-CG	.520-.655			
PERMA-GRIP Ground Continuity Monitors Straight Blade, 2-pole, 3-wire Grounding Devices									
	5-15	15	125	1510-PMG	1610-CMG	0.330-.610	1610CMG163__	1610CMG143__	
	5-20	20	125	1512-PMG	1612-CMG	0.330-.610		1612CMG143__	1612CMG123__

Notes:
1. Insert "A" for 25 ft. cord set, "B" for 50 ft. cord set or "D" for 100 ft. cord set
2. Contact factory for custom assemblies

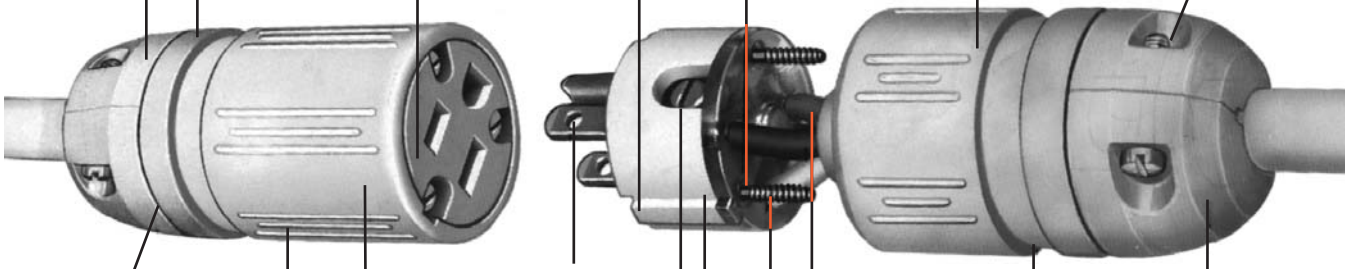
Refer to the section on IEC 309 Pin & Sleeve Devices for a complete listing of North American & Internationally rated plugs, connectors, receptacles, inlets, mechanical interlocks & accessories.

PERMA-LINK® Plugs and Connectors

United States patent number 4021092 was assigned to today's Perma-Link® plugs and connectors which are classified among the most rugged and safest wiring devices available. They incorporate many of the same features as Ericson Perma-Tite® and Perma-Grip™ devices and utilize a two-screw cable clamp. Perma-Link® plugs and connectors are designed to provide many years of trouble-free service in the most demanding industrial and construction environments.

- UL Listed and CSA Certified
- Two-screw cable clamp secures wire and provides strain-relief
- Solid brass blades for optimum electrical and mechanical performance
- Keyed body and cover for easy alignment/assembly
- Molded-in non-slip finger-grips makes devices easy to assemble and handle
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20° C - 110° C
- Individual wire pockets help prevent flashovers
- Transparent back plate speeds wiring inspection
- Selected models available with Ground Continuity Monitor
- Available individually or on factory assembled cord sets
- Flexibility of reverse-cover design creates weather-resistant connections by interchanging covers
- Ericson's exclusive Brilliant Orange and Radiant Yellow High Visibility Dual Color Safety System

UL Listed CSA Certified



Versatile Weather-Resistant Field Conversion

Our Perma-Link® plugs and connectors (straight blade only) are designed so they can easily be converted to create weather-resistant connections by interchanging the internal assemblies. Insert the plug body into the connector cover, and the connector body into the plug cover. There are no extra parts to purchase.

Hospital Grade Perma-Link® Plugs and Connectors

The same rugged internal construction as our standard Perma-Link line is found in these units, and in addition they meet UL Hospital Grade standards.

Designed for reliable long life, built to withstand exceptional abuse, these dead-front, back-wired devices save installation time, provide maximum protection and can be used for straight blade installations in hospitals, schools, and extended care facilities.

Constructed of rugged polybutylene therephthalate (PBT) and a high-tech thermoplastic elastomer (TPE), they have passed tests for ground pin retention, ground resistance, face impact, ground temperature contact, fault current, line blade retention and abrupt removal.

Please refer to following pages for configuration reference, ratings and Catalog Numbers.

INSULATED/INSTITUTION GRAY RUBBER COVER
White and light "institution" gray colors identify this style which provides superior insulation. They are clearly marked "Hospital Grade" and clearly marked with a green dot to signify UL Hospital Grade. Non-conductive cord clamp has removable insert to accommodate cord sizes #18/3 SVO through #12/3 SO.

FAST WIRING CHECK THROUGH CLEAR COVER
White PBT and transparent polycarbonate housing identify this type which permits visual inspection of wiring terminations without disassembly. Impact resistance, and non-conductive. Cord clamp has removable insert to accommodate #18/3 SVO through #12/3 SO cord sizes.

UL Listed

Plugs & Connectors

PERMA-LINK® Devices

PERMA-LINK® Devices Selection Guide

Face View	NEMA Configuration	Electrical Ratings		Perma-Link		Perma-Link Factory Assembled Cord Sets(2)			
		Amps	Volts	Plugs	Connectors	#16 SOW	#14 SOW	#12 SOW	#10 SOW
Straight Blade, 2-pole, 3-wire Grounding Devices									
	5-15	15	125	1510-P	1610-C	1510P163__	1510P143__		
	5-20	20	125	1512-P	1612-C		1512P143__	1512P123__	
	6-15	15	250	1514-P	1614-C	1514P163__	1514P143__		
	6-20	20	250	1516-P	1616-C		1516P143__	1516P123__	
Locking, 2-pole, 3-wire Grounding Devices									
	L5-15	15	125	1520-P	1620-C	1520P163__	1520P143__		
	L6-15	15	250	1522-P	1622-C	1522P163__	1522P143__		
	L7-15	15	277	1524-P	1624-C	1524P163__	1524P143__		
	L5-20	20	125	2310-P	2410-C		2310P143__	2310P123__	
	L6-20	20	250	2312-P	2412-C		2312P143__	2312P123__	
	L7-20	20	277	2314-P	2414-C		2314P143__	2314P123__	
Locking, 3-pole, 3-wire Non-Grounding Devices									
	Non-NEMA	20	125/250	2316-P	2416-C				
	Non-NEMA	20 10	125 600	2317-P(1)	2417-C(1)				
Locking, 3-pole, 4-wire Grounding Devices									
	L14-20	20	125/250	2320-P	2420-C		2320P144__	2320P124__	
	L15-20	20	250, 3Ø	2322-P	2422-C		2322P144__	2322P124__	
	L16-20	20	480, 3Ø	2324-P	2424-C		2324P144__	2324P124__	
Locking, 2-pole, 3-wire Grounding Devices									
	L5-30	30	125	2510-P	2610-C			2510P123__	2510P103__
	L6-30	30	250	2512-P	2612-C			2512P123__	2512P103__
	L7-30	30	277	2514-P	2614-C			2514P123__	2514P103__
Locking, 3-pole, 3-wire Non-Grounding Devices									
	Non-NEMA	30	125/250	2516-P	2616-C				
Locking, 3-pole, 4-wire Grounding Devices									
	L14-30	30	125/250	2520-P	2620-C			2520P124__	2520P104__
	L15-30	30	250, 3Ø	2522-P	2622-C			2522P124__	2522P104__
	L16-30	30	480, 3Ø	2524-P	2624-C			2524P124__	2524P104__
	L17-30	30	600, 3Ø	2526-P	2626-C			2526P124__	2526P104__
Locking, 4-pole, 4-wire Devices									
	L18-30	30	120/208 3Ø wye	2530-P	2630-C			2530P124__	2530P104__
Locking, 4-pole, 4-wire Non-Grounding Devices									
	Non-NEMA	30	120/208 3Ø wye	2528-P	2628-C				

Notes:

1. For replacement use only. Not recommended for new installations
2. Insert "A" for 25 ft. cord set, "B" for 50 ft. cord set or "D" for 100 ft. cord set
3. Contact factory for custom assemblies

PERMA-LINK® Ground Continuity Monitors Selection Guide

Face View	NEMA Configuration	Electrical Ratings Amps	Electrical Ratings Volts	Perma-Link Plugs	Perma-Link Connectors
Ground Continuity Monitors (1) Straight Blade, 2-pole, 3-wire Grounding					
	5-15	15	125	1510-PM	1610-CM
	5-20	20	125	1512-PM	1612-CM
Locking, 2-pole, 3-wire Grounding					
	L5-20	20	125	2310-PM	2410-CM

Notes:
1. See pages 88-89 for detailed information on GCMs.

PERMA-LINK® Hospital Grade Selection Guide

Face View	NEMA Configuration	Electrical Ratings Amps	Electrical Ratings Volts	Perma-Link Plugs	Perma-Link Connectors
Hospital Grade Devices with Gray Covers Straight Blade, 2-pole, 3-wire Grounding					
	5-15	15	125	1530-PH	1630-CH
	5-20	20	125	1532-PH	1632-CH

Hospital Grade Devices with Clear Covers Straight Blade, 2-pole, 3-wire Grounding					
	5-15	15	125	1530-PHC	1630-CHC
	5-20	20	125	1532-PHC	1632-CHC

Refer to the section on IEC 309 Pin & Sleeve Devices for a complete listing of North American & Internationally rated plugs, connectors, receptacles, inlets, mechanical interlocks & accessories.

Plugs & Connectors

PERMA-WATCH® Devices

Listed

PERMA-WATCH®

Ground and Continuity Monitors

Ericson's Perma-Watch® line of Ground and Continuity Monitors help employers comply with OSHAs Assured Equipment Grounding Conductor Program (AEGCP)-OSHA 1926.404(b)(1)(iii). Ericson's GCMs monitor the line side requirements of OSHAs AEGCP, which represent approximately 85%-90% of the total program requirements. Perma-Watch® plugs and connectors are designed to provide many years of trouble-free service in the most demanding industrial and construction environments.

- UL Listed
- Available in Perma-Link® or Perma-Grip™ styles
- Built-in monitoring lamp automatically and continuously monitors ground continuity and wiring conditions from the GCM to the source
- Lamp glows when equipment grounding conductor has continuity
- Also constantly checks for:
  - o Reverse polarity
  - o Open hot
  - o Hot on neutral/hot unwired
  - o Open neutral
  - o Hot and ground reversed
- Solid brass blades for optimum electrical and mechanical performance
- Keyed body and cover for easy alignment/assembly
- Molded-in non-slip finger-grips makes devices easy to assemble and handle
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20° C - 110° C
- Individual wire pockets help prevent flashovers
- Transparent back plate speeds wiring inspection
- Available individually or on factory assembled cord sets
- Ericson's exclusive Brilliant Orange and Radiant Yellow High Visibility Dual Color Safety System

The OSHA Compliance Problem

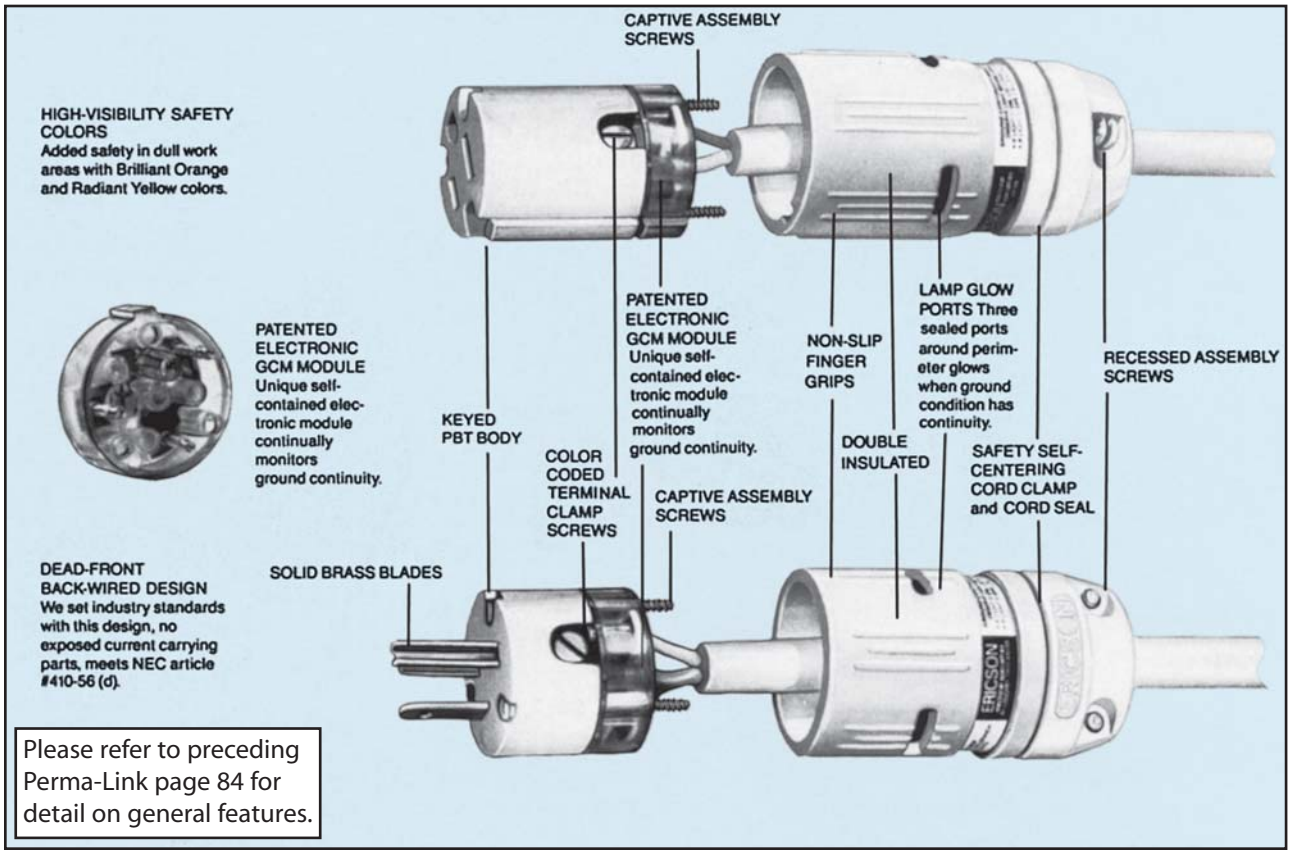
In order to comply with OSHA requirements on construction sites, employers have two alternative methods per OSHA Standards.

FIRST ALTERNATIVE: G.F.C.I. utilization on construction sites for all 120 volt, single phase, 15-20 ampere temporary receptacle outlets...Realizing the many positive safety attributes associated with G.F.C.I. concept, there are also negative factors involved-- 1. nuisance tripping, 2. high cost, 3. damage prone, 4. pilferage.

SECOND ALTERNATIVE: Employer must establish the Assured Equipment Grounding Conductor Program in lieu of the G.F.C.I. Program covering all extension cord sets, job site receptacles and equipment connected by cord and plug.

Many contractors have opted for the Assured Equipment Grounding Conductor Program in lieu of the G.F.C.I. Program -- even though it entails a considerable amount of administrative record keeping and testing on a regular and frequent basis. Tests required are:
1. All equipment ground conductors shall be tested for continuity...
2. Each temporary job site receptacle, attachment plug and cord set must be tested for correct attachment of the equipment grounding conductor...

These tests must be performed before first use; --Before equipment is returned to service following repairs; --Before equipment is used after any incident that may have caused damage; -- And at intervals not to exceed three months. Finally, the above tests Must be recorded, AND the records kept at the job site for inspection by OSHA officials.



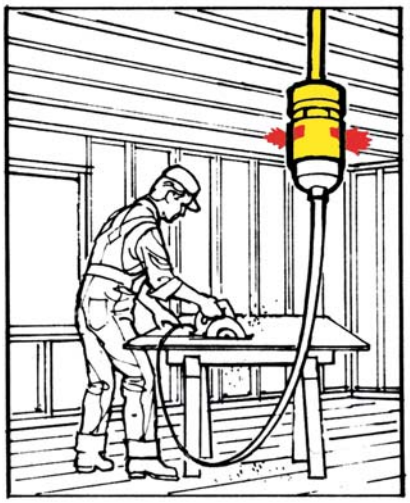
Please refer to preceding Perma-Link page 84 for detail on general features.

PERMA-WATCH® Devices Selection Guide

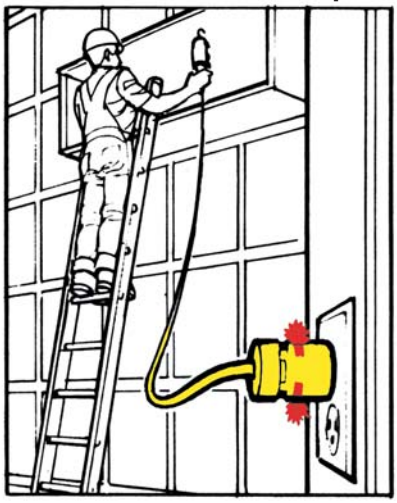
Face View	NEMA Configuration	Electrical Ratings Amps	Electrical Ratings Volts	Perma-Link Plugs	Perma-Link Connectors	Perma-Grip Plugs	Perma-Grip Connectors
Straight Blade, 2-pole, 3-wire Grounding Devices							
	5-15	15	125	1510-PM	1610-CM	1510-PMG	1610-CMG
	5-20	20	125	1512-PM	1612-CM	1512-PMG	1612-CMG
Locking, 2-pole, 3-wire Grounding							
	L5-20	20	125	2310-PM	2410-CM		

Notes:
1. Contact factory for custom assemblies

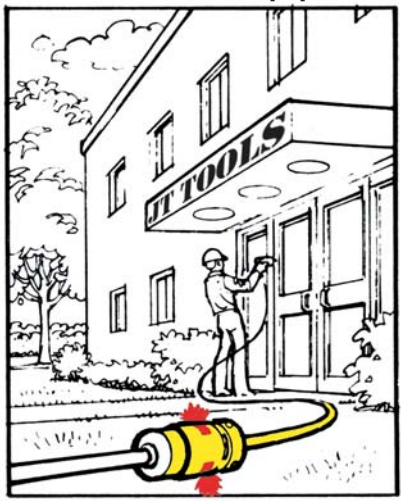
Use on Extension Cords



Use Wired to a Handlamp



Use Wired to Small Equipment



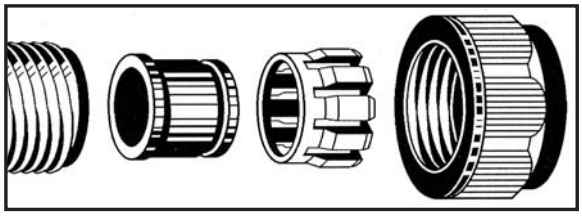
Plugs & Connectors

PERMA-QUICK™ Devices

PERMA-QUICK™ Plugs and Connectors

Installation is as easy as 1, 2, 3 with Ericson's Perma-Quick™ devices. The latest innovation in plugs and connectors, these devices combine the rugged durability of Ericson's plug and connector bodies with the economy and convenience of a molded thermoplastic housing that has an integral cord grip. The universal cord grip accommodates commonly used cable diameters and provides for quick field installation. No cable clamp screws to tighten, Simply wire the device and hand tighten the cord grip nut. The rubber bushing seals around the cord and provides strain relief.

- UL Listed and CSA certified
- One-piece molded design
- Cord Grip Nut speeds installation by eliminating the need to "screw-down" cable clamp
- Impact, corrosion, crushing and chemical resistant



Perma-Quick™ cord grip

PERMA-QUICK™ Plugs & Connectors Selection Guide

Face View	NEMA Configuration	Electrical Ratings		Perma-Quick™	
		Amps	Volts	Plugs	Connectors
Straight Blade, 2-Pole, 3-Wire Grounding Devices					
	5-15	15	125	1510-PQ	1610-CQ
	5-20	20	125	1512-PQ	1612-CQ
	6-15	15	250	1514-PQ	1614-CQ
	6-20	20	250	1516-PQ	1616-CQ
Locking, 2-Pole, 3-Wire Grounding Devices					
	L5-15	15	125	1520-PQ	1620-CQ
	L6-15	15	250	1522-PQ	1622-CQ
	L7-15	15	277	1524-PQ	1624-CQ

UL Listed CSA Certified

Notes

Visibly the Best
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safety electrical specialties

Plugs & Connectors

PERMA-LINK® 50 Amp Devices

PERMA-LINK® 50Amp Locking Plugs and Connectors

Ericson's 50 Amp plugs and connectors incorporate the latest technologies to provide wiring devices that are safer, faster to wire, lighter and easier to identify. These devices are available as plugs, connectors, inlets and receptacles and are available in 3 and 4 wire configurations.

- UL Listed and CSA Certified
- Rugged nylon construction resists impact, corrosion and jobsite oils/chemicals
- Quick field assembly, no need to disassemble the entire device
- Nickel plated blades and stainless steel screws provide optimum corrosion resistance
- Optional heavy-duty weather-proof boots are available and provide added environmental protection and UV resistance
- Boots can be threaded together with the optional sealing collar system to provide maximum environmental protection
- Available in plugs, connectors, inlets and receptacles

7717 — 510-RR — 7717

Sealing Collar System

Our exclusive sealing collar system is available to provide maximum moisture protection between cordsets. The two boots are securely sealed together with threaded polycarbonate rings.

UL Listed

PERMA-LINK® 50-Amp Devices Selection Guide

Face View	NEMA Configuration	Electrical Ratings		Perma-Link		Receptacles	Flanged Inlets
		Amps	Volts	Plugs	Connectors		
Locking, 2-pole, 3-wire Grounding							
	Non-NEMA	50	250VDC, 600VAC	3763-P	3762-C	3771	3777
Locking, 3-pole, 4-wire Grounding							
	Non-NEMA	50	250VDC, 600VAC	3765-P	3764-C	3769	3775
	Non-NEMA	50	250VDC, 600VAC	7765-P(1)	7764-C(1)		7958
Locking, California Style, 2-pole, 3-wire Grounding							
	Non-NEMA	50	125	CS6361-P	CS6360-C	CS6370	CS6377
	Non-NEMA	50	250	CS8265-P	CS8264-C	CS8269	CS8275
	Non-NEMA	50	480	CS8465-P	CS8464-C	CS8469	CS8475
Locking, California Style, 3-pole, 4-wire Grounding							
	Non-NEMA	50	125/250	CS6365-P	CS6364-C	CS6369	CS6375
	Non-NEMA	50	250, 3Ø	CS8365-P	CS8364-C	CS8369	CS8375
	Non-NEMA	50	480, 3Ø	CS8165-P	CS8164-C	CS8169	CS8175

Notes:
1. For replacement use only, not recommended for new installations
2. Contact factory for custom assemblies

PERMA-LINK® 50-Amp Accessories Selection Guide

Perma-Link 50-Amp Accessories	Cat. Number
Weatherproof boot for plug or connector	7717
Sealing Collar for weatherproof boots	510-RR
Weatherproof receptacle cover	7788-CR

7788-CR

Refer to the section on IEC 309 Pin & Sleeve Devices for a complete listing of North American & Internationally rated plugs, connectors, receptacles, inlets, mechanical interlocks & accessories.

Plugs & Connectors

Configuration Adapters & PERMA-TITE® Plug Cover

NEMA Configuration Adapters

Now make quick, secure connections between straight-blade and locking plugs and connectors with Ericson's NEMA configuration adapters.

- Heavy-duty non-conducting housing and using heavy gauge solid brass blades
- Compact size makes them easy to use and transport
- Available in four of the most popular models

NEMA Configuration Adapters Selection Guide

Catalog Number	NEMA Configuration		Description
	Male	Female	
1705			Male 15A, 125V twist (L5-15P) to 20A, 125V straight (5-20R)
1712			Male 15A, 125V straight (5-15P) to 15A, 125V twist (L5-15R)
1740			Male 20A, 125V twist (L5-20P) to 20A, 125V straight (5-20R)
1744			Male 15A, 125V straight (5-15P) to 20A, 125V twist (L5-20R)

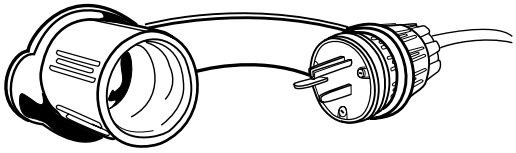
PERMA-TITE® Plug Cover

- Use with Ericson's Perma-Tite® plugs to seal out water, dust and other contaminants and to protect blades from damage when plug is not in-use
- Eight-point rubber tongue and groove sealing system provides environmental protection
- Additional protection provided by a unique internal water/dust wiper
- Easy to assemble
- Ericson's Radiant Yellow for High Visibility on job sites

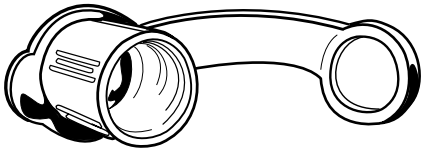
PERMA-TITE® Plug Cover Selection Guide

Catalog Number	Description
15PW	Male closure cap, for use with 15A Straight Blade & Locking devices and 20A Straight Blade devices.

Male Closure Cap with plug



Male Closure Cap Only



Notes

Plugs & Connectors

NEMA Configuration Charts

Face View	NEMA Configuration	Electrical Ratings		PERMA-TITE		PERMA-GRIP	
		Amps	Volts	Plugs	Connectors	Plugs	Connectors
2-pole, 3-wire grounding							
	5-15	15	125	1510-PW	1610-CW	1510-PG	1610-CG
	5-20	20	125	1512-PW	1612-CW (3)	1512-PG	1612-CG (3)
	6-15	15	250	1514-PW	1614-CW	1514-PG	1614-CG
	6-20	20	250	1516-PW	1616-CW	1516-PG	1616-CG
	L5-15	15	125	1520-PW	1620-CW	1520-PG	1620-CG
	L6-15	15	250	1522-PW	1622-CW	1522-PG	1622-CG
	L7-15	15	277	1524-PW	1624-CW	1524-PG	1624-CG
	L5-20	20	125	2310-PW	2410-CW	2310-PG	2410-CG
	L6-20	20	250	2312-PW	2412-CW	2312-PG	2412-CG
	L7-20	20	277	2314-PW	2414-CW		
3-pole, 3-wire non-grounding							
	Non-NEMA	20	125/250	2316-PW	2416-CW	2316-PG	2416-CG
	Non-NEMA	20 10	125 600	2317-PW(1)	2417-CW(1)		
3-pole, 4-wire grounding							
	L14-20	20	125/250	2320-PW	2420-CW		
	L15-20	20	250, 3Ø	2322-PW	2422-CW		
	L16-20	20	480, 3Ø	2324-PW	2424-CW		
2-pole, 3-wire grounding							
	L5-30	30	125	2510-PW	2610-CW	2510-PG	2610-CG
	L6-30	30	250	2512-PW	2612-CW		
	L7-30	30	277	2514-PW	2614-CW		
3-pole, 3-wire non-grounding							
	Non-NEMA	30	125/250	2516-PW	2616-CW	2516-PG	2616-CG
3-pole, 4-wire grounding							
	L14-30	30	125/250	2520-PW	2620-CW		
	L15-30	30	250, 3Ø	2522-PW	2622-CW		
	L16-30	30	480, 3Ø	2524-PW	2624-CW		
	L17-30	30	600, 3Ø	2526-PW	2626-CW		
4-pole, 4-wire							
	L18-30	30	120/208 3Ø wye	2530-PW	2630-CW		
4-pole, 4-wire non-grounding							
	Non-NEMA	30	120/208 3Ø wye	2528-PW	2628-CW		

Notes:

1. For replacement use only. Not recommended for new installations
2. Locking Style
3. In Canada add "CAN-" to front of catalog number

	PERMA-LINK		PERMA-QUICK		Single Outlet FS Cover Plates	Duplex Outlet FS Cover Plates
	Plugs	Connectors	Plugs	Connectors		
	1510-P	1610-C	1510-PQ	1610-CQ	2715-FS10	1610-PWDX
	1512-P	1612-C (3)	1512-PQ	1612-CQ (3)	2715-FS12 (3)	1612-PWDX (3)
	1514-P	1614-C	1514-PQ	1614-CQ	2715-FS14	1614-PWDX
	1516-P	1616-C	1516-PQ	1616-CQ	2715-FS16	1616-PWDX
	1520-P	1620-C	1520-PQ	1620-CQ	2715-FS20	1620-PWDX
	1522-P	1622-C	1522-PQ	1622-CQ	2715-FS22	1622-PWDX
	1524-P	1624-C	1524-PQ	1624-CQ	2715-FS24	1624-PWDX
	2310-P	2410-C			2820-FS10	
	2312-P	2412-C			2820-FS12	
	2314-P	2414-C			2820-FS14	
	2316-P	2416-C			2820-FS16	
	2317-P(1)	2417-C(1)			2820-FS17(1)	
	2320-P	2420-C			2920-FS20	
	2322-P	2422-C			2920-FS22	
	2324-P	2424-C			2920-FS24	
	2510-P	2610-C			2830-FS10	
	2512-P	2612-C			2830-FS12	
	2514-P	2614-C			2830-FS14	
	2516-P	2616-C			2830-FS16	
	2520-P	2620-C			2930-FS20	
	2522-P	2622-C			2930-FS22	
	2524-P	2624-C			2930-FS24	
	2526-P	2626-C			2930-FS26	
	2530-P	2630-C			2930-FS30	

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safety electrical specialties

Plugs & Connectors

NEMA Configuration Charts

PERMA-WATCH® Devices

Face View	NEMA Configuration	Electrical Ratings		Perma-Link		Perma-Grip	
		Amps	Volts	Plugs	Connectors	Plugs	Connectors
Straight Blade, 2-pole, 3-wire Grounding Devices							
	5-15	15	125	1510-PM	1610-CM	1510-PMG	1610-CMG
	5-20	20	125	1512-PM	1612-CM	1512-PMG	1612-CMG
Locking, 2-pole, 3-wire Grounding							
	L5-20	20	125	2310-PM	2410-CM		

PERMA-LINK® Hospital Grade Devices

Face View	NEMA Configuration	Electrical Ratings		Perma-Link	
		Amps	Volts	Plugs	Connectors
Hospital Grade Devices with Gray Covers Straight Blade, 2-pole, 3-wire Grounding					
	5-15	15	125	1530-PH	1630-CH
	5-20	20	125	1532-PH	1632-CH
Hospital Grade Devices with Clear Covers Straight Blade, 2-pole, 3-wire Grounding					
	5-15	15	125	1530-PHC	1630-CHC
	5-20	20	125	1532-PHC	1632-CHC

PERMA-LINK® 50-Amp Devices

Face View	NEMA Configuration	Electrical Ratings		Perma-Link		Receptacles	Flanged Inlets
		Amps	Volts	Plugs	Connectors		
Locking, 2-pole, 3-wire Grounding							
	Non-NEMA	50	250VDC, 600VAC	3763-P	3762-C	3771	3777
Locking, 3-pole, 4-wire Grounding							
	Non-NEMA	50	250VDC, 600VAC	3765-P	3764-C	3769	3775
	Non-NEMA	50	250VDC, 600VAC	7765-P	7764-C		7958
Locking, California Style, 2-pole, 3-wire Grounding							
	Non-NEMA	50	125	CS6361-P	CS6360-C	CS6370	CS6377
	Non-NEMA	50	250	CS8265-P	CS8264-C	CS8269	CS8275
	Non-NEMA	50	480	CS8465-P	CS8464-C	CS8469	CS8475
Locking, California Style, 3-pole, 4-wire Grounding							
	Non-NEMA	50	125/250	CS6365-P	CS6364-C	CS6369	CS6375
	Non-NEMA	50	250, 3Ø	CS8365-P	CS8364-C	CS8369	CS8375
	Non-NEMA	50	480, 3Ø	CS8165-P	CS8164-C	CS8169	CS8175

PERMA-TITE® Devices

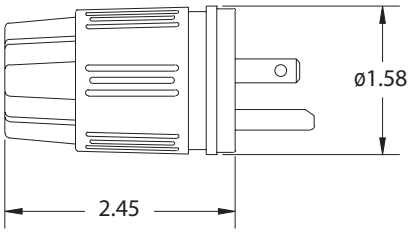


Figure A

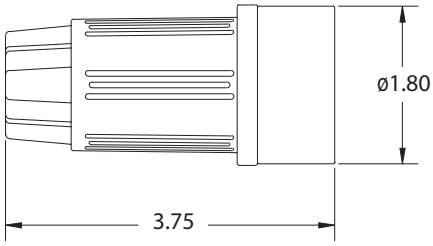


Figure B

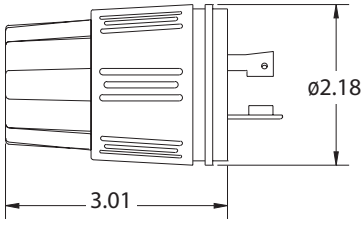


Figure C

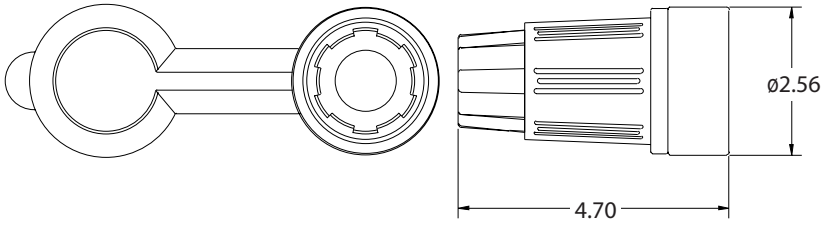


Figure D

PERMA-TITE® Dimensions

NEMA Configuration	Electrical Ratings Amps	Volts	Plugs	Figure	Connectors	Figure
5-15	15	125	1510-PW	A	1610-CW	B
5-20	20	125	1512-PW	A	1612-CW	B
6-15	15	250	1514-PW	A	1614-CW	B
6-20	20	250	1516-PW	A	1616-CW	B
L5-15	15	125	1520-PW	A	1620-CW	B
L6-15	15	250	1522-PW	A	1622-CW	B
L7-15	15	277	1524-PW	A	1624-CW	B
L5-20	20	125	2310-PW	C	2410-CW	D
L6-20	20	250	2312-PW	C	2412-CW	D
L7-20	20	277	2314-PW	C	2414-CW	D
Non-NEMA	20	125/250	2316-PW	C	2416-CW	D
Non-NEMA	20 10	125 600	2317-PW	C	2417-CW	D
L14-20	20	125/250	2320-PW	C	2420-CW	D
L15-20	20	250, 3Ø	2322-PW	C	2422-CW	D
L16-20	20	480, 3Ø	2324-PW	C	2424-CW	D
L5-30	30	125	2510-PW	C	2610-CW	D
L6-30	30	250	2512-PW	C	2612-CW	D
L7-30	30	277	2514-PW	C	2614-CW	D
Non-NEMA	30	125/250	2516-PW	C	2616-CW	D
L14-30	30	125/250	2520-PW	C	2620-CW	D
L15-30	30	250, 3Ø	2522-PW	C	2622-CW	D
L16-30	30	480, 3Ø	2524-PW	C	2624-CW	D
L17-30	30	600, 3Ø	2526-PW	C	2626-CW	D
L18-30	30	120/208 3Ø wye	2530-PW	C	2630-CW	D
Non-NEMA	30	120/208 3Ø wye	2528-PW	C	2628-CW	D

Plugs & Connectors

Dimensions - PERMA-GRIP™ Devices

PERMA-GRIP™ Devices

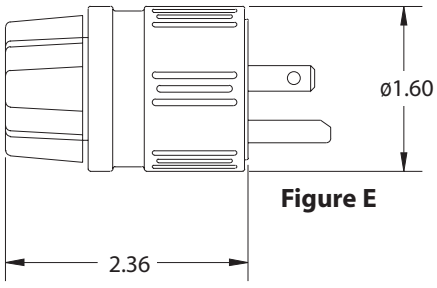


Figure E

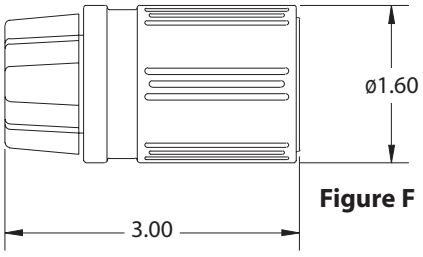


Figure F

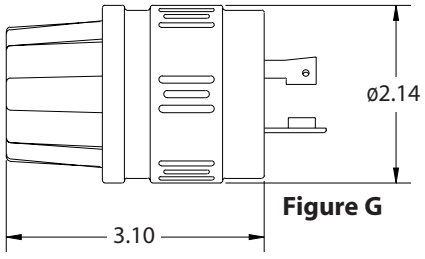


Figure G

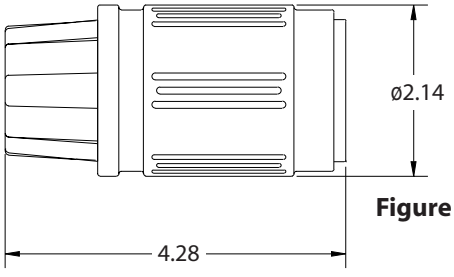


Figure H

PERMA-GRIP™ Dimensions

NEMA Configuration	Electrical Ratings Amps	Volts	Plugs	Figure	Connectors	Figure
5-15	15	125	1510-PG	E	1610-CG	F
5-20	20	125	1512-PG	E	1612-CG	F
6-15	15	250	1514-PG	E	1614-CG	F
6-20	20	250	1516-PG	E	1616-CG	F
L5-15	15	125	1520-PG	E	1620-CG	F
L6-15	15	250	1522-PG	E	1622-CG	F
L7-15	15	277	1524-PG	E	1624-CG	F
L5-20	20	125	2310-PG	G	2410-CG	H
L6-20	20	250	2312-PG	G	2412-CG	H
Non-NEMA	20	125/250	2316-PG	G	2416-CG	H
L5-30	30	125	2510-PG	G	2610-CG	H
Non-NEMA	30	125/250	2516-PG	G	2616-CG	H

PERMA-LINK® Devices

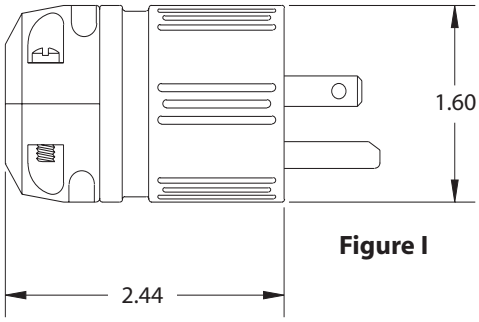


Figure I

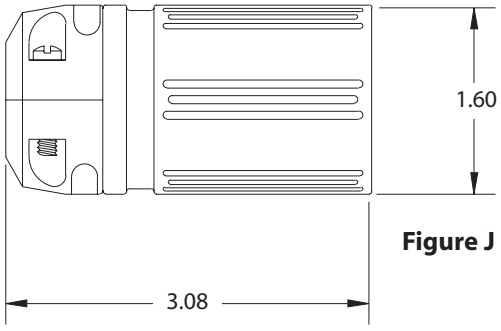


Figure J

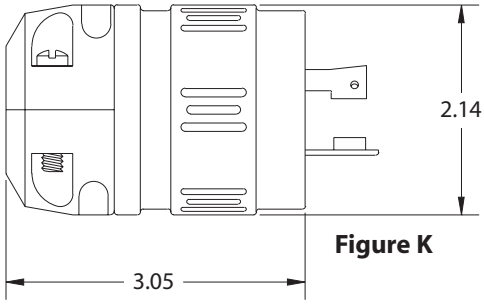


Figure K

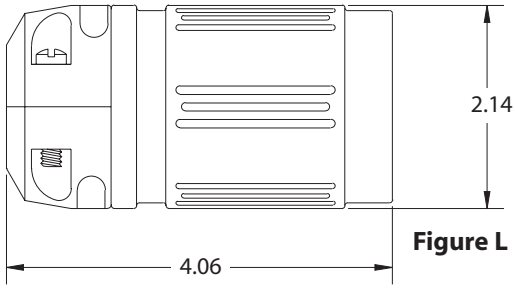


Figure L

PERMA-LINK® Dimensions

NEMA Configuration	Electrical Ratings Amps	Volts	Plugs	Figure	Connectors	Figure
5-15	15	125	1510-P	I	1610-C	J
5-20	20	125	1512-P	I	1612-C	J
6-15	15	250	1514-P	I	1614-C	J
6-20	20	250	1516-P	I	1616-C	J
L5-15	15	125	1520-P	I	1620-C	J
L6-15	15	250	1522-P	I	1622-C	J
L7-15	15	277	1524-P	I	1624-C	J
L5-20	20	125	2310-P	K	2410-C	L
L6-20	20	250	2312-P	K	2412-C	L
L7-20	20	277	2314-P	K	2414-C	L
Non-NEMA	20	125/250	2316-P	K	2416-C	L
Non-NEMA	20	125	2317-P	K	2417-C	L
	10	600				
L14-20	20	125/250	2320-P	K	2420-C	L
L15-20	20	250, 3Ø	2322-P	K	2422-C	L
L16-20	20	480, 3Ø	2324-P	K	2424-C	L
L5-30	30	125	2510-P	K	2610-C	L
L6-30	30	250	2512-P	K	2612-C	L
L7-30	30	277	2514-P	K	2614-C	L
Non-NEMA	30	125/250	2516-P	K	2616-C	L
L14-30	30	125/250	2520-P	K	2620-C	L
L15-30	30	250, 3Ø	2522-P	K	2622-C	L
L16-30	30	480, 3Ø	2524-P	K	2624-C	L
L17-30	30	600, 3Ø	2526-P	K	2626-C	L
L18-30	30	120/208 3Ø wye	2530-P	K	2630-C	L
Non-NEMA	30	120/208 3Ø wye	2528-P	K	2628-C	L

OSHA 1926.404 Wiring Design and Protection

SubPart Number: K - Electrical - Installation Safety Requirements

OSHA 1926.404 (a)(3)
Use of grounding terminals and devices. A grounding terminal or grounding-type device on a receptacle, cord connector, or attachment plug shall not be used for purposes other than grounding.

OSHA 1926.404 (b)(1)(iii)
Assured equipment grounding conductor program. The employer shall establish and implement an assured equipment grounding conductor program on construction sites covering all cord sets, receptacles which are not a part of the building or structure, and equipment connected by cord and plug which are available for use or used by employees. This program shall comply with the following minimum requirements:

OSHA 1926.404 (b)(1)(iii)(A)
A written description of the program, including the specific procedures adopted by the employer, shall be available at the jobsite for inspection and copying by the Assistant Secretary and any affected employee.

OSHA 1926.404 (b)(1)(iii)(B)
The employer shall designate one or more competent persons (as defined in 1926.32(f)) to implement the program.

OSHA 1926.404 (b)(1)(iii)(C)
Each cord set, attachment cap, plug and receptacle of cord sets, and any equipment connected by cord and plug, except cord sets and receptacles which are fixed and not exposed to damage, shall be visually inspected before each day's use for external defects, such as deformed or missing pins or insulation damage, and for indications of possible internal damage. Equipment found damaged or defective shall not be used until repaired.

OSHA 1926.404 (b)(1)(iii)(D)
The following tests shall be performed on all cord sets, receptacles which are not a part of the permanent wiring of the building or structure, and cord- and plug-connected equipment required to be grounded:

OSHA 1926.404 (b)(1)(iii)(D)(1)
All equipment grounding conductors shall be tested for continuity and shall be electrically continuous.

OSHA 1926.404 (b)(1)(iii)(D)(2)
Each receptacle and attachment cap or plug shall be tested for correct attachment of the equipment grounding conductor. The equipment grounding conductor shall be connected to its proper terminal.

OSHA 1926.404 (b)(1)(iii)(E)
All required tests shall be performed:

OSHA 1926.404 (b)(1)(iii)(E)(1)
Before first use;

OSHA 1926.404 (b)(1)(iii)(E)(2)
Before equipment is returned to service following any repairs;

OSHA 1926.404 (b)(1)(iii)(E)(3)
Before equipment is used after any incident which can be reasonably suspected to have caused damage (for example, when a cord set is run over); and

OSHA 1926.404 (b)(1)(iii)(E)(4)
At intervals not to exceed 3 months, except that cord sets and receptacles which are fixed and not exposed to damage shall be tested at intervals not exceeding 6 months.

OSHA 1926.404 (b)(1)(iii)(F)
The employer shall not make available or permit the use by employees of any equipment which has not met the requirements of this paragraph (b)(1)(iii) of this section.

OSHA 1926.404 Wiring Design and Protection

SubPart Number: K - Electrical - Installation Safety Requirements

OSHA 1926.404 (b)(1)(iii)(G)
Tests performed as required in this paragraph shall be recorded. This test record shall identify each receptacle, cord set, and cord- and plug-connected equipment that passed the test and shall indicate the last date it was tested or the interval for which it was tested. This record shall be kept by means of logs, color coding, or other effective means and shall be maintained until replaced by a more current record. The record shall be made available on the jobsite for inspection by the Assistant Secretary and any affected employee.

OSHA 1926.404 (f)(7)(iv)
Equipment connected by cord and plug. Under any of the conditions described in paragraphs (f)(7)(iv)(A) through (f)(7)(iv)(C) of this section, exposed noncurrent-carrying metal parts of cord- and plug-connected equipment which may become energized shall be grounded:

OSHA 1926.404 (f)(7)(iv)(A)
If in a hazardous (classified) location (see 1926.407).

OSHA 1926.404 (f)(7)(iv)(B)
If operated at over 150 volts to ground, except for guarded motors and metal frames of electrically heated appliances if the appliance frames are permanently and effectively insulated from ground.

OSHA 1926.404 (f)(7)(iv)(C)
If the equipment is one of the types listed in paragraphs (f)(7)(iv)(C)(1) through (f)(7)(iv)(C)(5) of this section. However, even though the equipment may be one of these types, it need not be grounded if it is exempted by paragraph (f)(7)(iv)(C)(6).

OSHA 1926.404 (f)(7)(iv)(C)(1)
Hand held motor-operated tools;

OSHA 1926.404 (f)(7)(iv)(C)(2)
Cord- and plug-connected equipment used in damp or wet locations or by employees standing on the ground or on metal floors or working inside of metal tanks or boilers;

OSHA 1926.404 (f)(7)(iv)(C)(3)
Portable and mobile X-ray and associated equipment;

OSHA 1926.404(f)(7)(iv)(C)(4)
Tools likely to be used in wet and/or conductive locations;

OSHA 1926.404 (f)(7)(iv)(C)(5)
Portable hand lamps.

OSHA 1926.404 (f)(7)(iv)(C)(6)
Tools likely to be used in wet and/or conductive locations need not be grounded if supplied through an isolating transformer with an ungrounded secondary of not over 50 volts. Listed or labeled portable tools and appliances protected by a system of double insulation, or its equivalent, need not be grounded. If such a system is employed, the equipment shall be distinctively marked to indicate that the tool or appliance utilizes a system of double insulation.

OSHA 1926.404 (f)(8)
Methods of grounding equipment -

OSHA 1926.404 (f)(8)(ii)
Grounding conductor. A conductor used for grounding fixed or movable equipment shall have capacity to conduct safely any fault current which may be imposed on it.

OSHA 1926.405 Wiring Methods, Components, and Equipment for General Use

Subpart Number: K - Electrical - Installation Safety Requirements

OSHA 1926.405 (g)(1)(ii)
Attachment plugs for cords. If used as permit ted in paragraphs (g)(1)(i)(C), (g)(1)(i)(F), or (g)(1)(i)(H) of this section, the flexible cord shall be equipped with an attachment plug and shall be energized from a receptacle outlet.

OSHA 1926.405 (j)(2)(i)
Configuration. Receptacles, cord connectors, and attachment plugs shall be constructed so that no receptacle or cord connector will accept an attachment plug with a different voltage or current rating than that for which the device is intended. However, a 20-ampere T-slot receptacle or cord connector may accept a 15-ampere attachment plug of the same voltage rating. Receptacles connected to circuits having different voltages, frequencies, or types of current (ac or dc) on the same premises shall be of such design that the attachment plugs used on these circuits are not interchangeable.

Portable Outlet Boxes - Standard Duty and Weather-Resistant
Pre-Wired and GFCI Protected Portable Outlet Boxes
Multiple Outlet Boxes
3-Phase Alternate-Wired Stringers
Perma-Dapt™ "Y" and "W" cordsets
Perma-Tite Molded Cord Sets

Visibly the Best ERICSON® safety electrical specialties

Ericson Manufacturing Company engineers and produces a comprehensive range of temporary power products for your general maintenance and construction needs. Ericson portable outlet boxes eliminate electrocution hazards on the jobsite caused by metallic boxes. These products help your company comply with the NEC and OSHA regulations. In the following pages you will find:

- Portable outlet boxes - Standard duty and weather-resistant
- Pre-wired and GFCI protected portable outlet boxes
- 3-phase, alternate wired stringer sets
- Multiple outlet boxes
- Perma-Dapt™ "Y" and "W" cordsets
- Over-the-floor cable protector
- Technical reference information including dimensional drawings
- Full range of replacement parts

Portable Outlet Boxes - Standard Duty and Weather-Resistant

- UL Listed and CSA Certified
- Available in standard depth and extra-deep for larger devices
- Full range of replacement parts are available for your field service repair work

Pre-Wired and GFCI Protected Portable Outlet Boxes

- UL Listed and CSA Certified
- Available in a variety of cord lengths

3-Phase Alternate-Wired Stringers

- Perfect for events requiring temporary power & trade shows
- Available in a variety of standard and custom assemblies

Multiple Outlet Boxes

- UL Listed and CSA Certified
- Available with 125V, 250V, 277V, 15Amp and 20Amp Devices
- Available with #14 or #12 SO cord in a variety of lengths

Perma-Dapt™ "Y" and "W" cordsets

- UL Listed and CSA Certified
- Full range of "Y"s and "W"s with your choice of plug and connectors

Custom Built Devices

As always you can turn to Ericson Manufacturing Company to engineer a solution for your temporary power application if you do not find a standard catalog item to fit your need. Contact the factory or your local sales representative to find out more.

Temporary Power

6000 Series Portable Outlet Boxes

6000

6002

6000-F

6000 Series Portable Outlet Boxes

- Rugged and durable, these outlet boxes are engineered to provide protection against electric shock while using portable power cords
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- High-visibility dual-color safety system for easy identification on the jobsite
- Cover plates and clamps are molded of impact resistant PBT thermoplastic and resistant to jobsite oils
- Built-in TPE cord entrance seals out dirt, dust and other contaminants
- Accommodates wide range of devices
- Extra-deep box provides additional wiring space - perfect for use with #12/3 cord and larger
- Available as pendant and feed-through boxes
- Available with a wide range of cover plates and a full range of replacement parts
- Available with Ericson's in-line and Plug type GFCIs for added protection and code compliance

6000 Series Portable Outlet Boxes Selection Guide

	For (2) Duplex Receptacles		For (2) Single Receptacles: 1.390" dia. Hole		For (2) Single Receptacles: 1.572" dia. Hole	
	Standard Depth	**Extra Deep**	**Standard Depth**	**Extra Deep**	**Standard Depth**	**Extra Deep**
Pendant	6000	6002	6005	6006	6010	6011
Feed-Through	6000-F	6002-F	6005-F	6006-F	6010-F	6011-F

Standard depth box= 3-3/16"
Extra deep box = 4-5/32"

Outlet Boxes With PERMA-WATCH® GCM Ground and Continuity Monitor

Ericson's Perma-Watch® GCM can be supplied on all outlet boxes with the exception of feed-thru models. The glow of the lamp with automatically and perpetually monitor the condition of ground continuity and correct wiring. Please see pages 88 and 89 for complete details on the Perma-Watch® GCM, and letter "M" to Catalog Number of Outlet Box.

UL LISTED E132662

LR39143 w/Receptacle (LR89923) CSA Pending

6000 Series Replacement Boxes

Standard Depth Box
Catalog Number - 6030

Standard Depth Box with Feed Through
Catalog Number - 6030-F

Extra Deep Box
Catalog Number - 6029

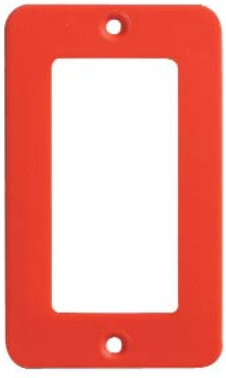
Extra Deep Box with Feed Through
Catalog Number - 6029-F

6000 Series Replacement Cover Plates

Duplex Receptacle Cover Plate
Catalog Number - 6031

Single Receptacle Cover Plate
1.390" Dia. Opening
Catalog Number - 6032

Single Receptacle Cover Plate
1.572" Dia. Opening
Catalog Number - 6033



GFCI Receptacle Cover Plate
Catalog Number - 6035

Blank Cover Plate
Catalog Number - 6034

Temporary Power

6000 Series Factory Wired Outlet Boxes

These factory assembled outlet boxes save assembly time in the field and assembly cost; plus they give the assurance of proper component matching of cord, box and plug.

6000 Series Factory Wired Portable Outlet Boxes Selection Guide

	Factory Wired Box	Box w/ Receptacles	NEMA Config.	Cord Length	SOW Cord Size
Factory wired with (2) duplex receptacles					
6000 box w/ (2) duplex 5-15 receptacles, 1′ cord w/ 5-15 plug	60001		5-15	1′	14/3
6000 box w/ (2) duplex 5-15 receptacles, 25′ cord w/ 5-15 plug	60025		5-15	25′	14/3
6000 box w/ (2) duplex 5-15 receptacles, 50′ cord w/ 5-15 plug	60050		5-15	50′	14/3
6000 box w/ (2) duplex L5-15 receptacles, 1′ cord w/ L5-15 plug	60201		L5-15	1′	14/3
6000 box w/ (2) duplex L5-15 receptacles, 25′ cord w/ L5-15 plug	60225		L5-15	25′	14/3
6000 box w/ (2) duplex L5-15 receptacles, 50′ cord w/ L5-15 plug	60250		L5-15	50′	14/3
Factory wired with (2) single receptacles NEW!					
6006 box w/(2) L5-15 Outlets, 6′ cord w/ L5-15 plug	6006-143C2		L5-15	6′	14/3
6006 box w/(2) L5-15 Outlets, 25′ cord w/ L5-15 plug	6006-143A2		L5-15	25′	14/3
6006 box w/(2) L5-15 Outlets, 50′ cord w/ L5-15 plug	6006-143B2		L5-15	50′	14/3
6006 box w/(2) L5-15 Outlets		6006-2	L5-15		
6011 w/ (2) L5-20, 6′ #12/3 cord w/L5-20 plug	6011-123C3		L5-20	6′	12/3
6011 w/ (2) L5-20, 25′ #12/3 cord w/L5-20 plug	6011-123A3		L5-20	25′	12/3
6011 w/ (2) L5-20, 50′ #12/3 cord w/L5-20 plug	6011-123B3		L5-20	50′	12/3
6011 w/ (2) L5-20 receptacles		6011-3	L5-20		
6011 w/ (2) L6-20, 6′ #12/3 cord w/L6-20 plug	6011-123C4		L6-20	6′	12/3
6011 w/ (2) L6-20, 25′ #12/3 cord w/L6-20 plug	6011-123A4		L6-20	25′	12/3
6011 w/ (2) L6-20, 50′ #12/3 cord w/L6-20 plug	6011-123B4		L6-20	50′	12/3
6011 w/ (2) L6-20 receptacles		6011-4	L6-20		
6011 w/ (2) L7-20, 6′ #12/3 cord w/L7-20 plug	6011-123C5		L7-20	6′	12/3
6011 w/ (2) L7-20, 25′ #12/3 cord w/L7-20 plug	6011-123A5		L7-20	25′	12/3
6011 w/ (2) L7-20, 50′ #12/3 cord w/L7-20 plug	6011-123B5		L7-20	50′	12/3
6011 w/ (2) L7-20 receptacles		6011-5	L7-20		
6011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 6′ #12/3 cord	6011-123C9		Non-NEMA	6′	12/3
6011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 25′ #12/3 cord	6011-123A9		Non-NEMA	25′	12/3
6011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 50′ #12/3 cord	6011-123B9		Non-NEMA	50′	12/3
6011 w/ (2) Non-NEMA 2P, 3W 20A 250V locking receptacles		6011-9	Non-NEMA		

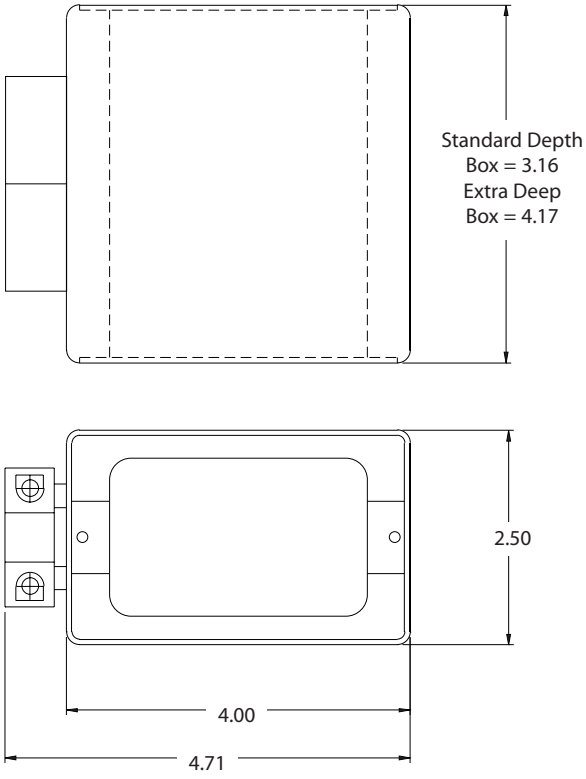
Notes:
1. Contact factory for custom assemblies

6000 Series GFCI Protected Portable Outlet Boxes Selection Guide

	NEMA Config.	Secondary Cord Length	SJTW Cord	Factory Wired Box w/ In-Line GFCI	Factory Wired Box w/ Plug Type GFCI
6000 Series Boxes Factory wired with (2) duplex receptacles					
6000 box w/ (2) duplex 5-15 receptacles, 1′ cord w/ 5-15 plug	5-15	1′	12/3	1084-12-2B	1094-12-2B
6000 box w/ (2) duplex 5-15 receptacles, 25′ cord w/ 5-15 plug	5-15	25′	12/3	1084-12-25B	1094-12-25B
6000 box w/ (2) duplex 5-15 receptacles, 50′ cord w/ 5-15 plug	5-15	50′	12/3	1084-12-50B	1094-12-50B

Notes:
1. Contact factory for custom assemblies

6000 Series



Temporary Power

6100 Series Weather Resistant Portable Outlet Boxes

6100

6102

6100-F

6100 Series Weather Resistant Portable Outlet Boxes

- Non-metallic, non-conductive design provides protection against electric shock while using portable power cords
- Spring-loaded flip seal covers protect receptacle when not in use
- Heavy-duty stainless steel springs provides dependable, long service life
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- Supplied with cord grip bushings that accommodate #16/3 SO through #12/3 SO cord
- High-visibility dual-color safety system for easy identification on the jobsite
- Cover plates and flip seals are molded of impact resistant PBT thermoplastic and resistant to jobsite oils
- Accommodates a wide range of devices
- Extra-deep box provides additional wiring space
- Available as pendant and feed-through boxes
- Available with a wide range of cover plates and a full range of replacement parts
- Available with Ericson's in-line and Plug type GFCIs for added protection and code compliance

6100 Series Weather Resistant Portable Outlet Boxes Selection Guide

NEW!

	For (2) Duplex Receptacles		**For (2) Single Receptacles: 1.390" dia. Hole**		**For (2) Single Receptacles: 1.572" dia. Hole**	
	Standard Depth	**Extra Deep**	**Standard Depth**	**Extra Deep**	**Standard Depth**	**Extra Deep**
Pendant	6100	6102	6105	6106	6110	6111
Feed-Through	6100-F	6102-F	6105-F	6106-F	6110-F	6111-F

Standard depth box= 3-3/16"
Extra deep box = 4-5/32"

Outlet Boxes With PERMA-WATCH® GCM Ground and Continuity Monitor

Ericson's Perma-Watch® GCM can be supplied on all outlet boxes with the exception of feed-thru models. The glow of the lamp with automatically and perpetually monitor the condition of ground continuity and correct wiring. Please see pages 88 and 89 for complete details on the Perma-Watch® GCM, and letter "M" to Catalog Number of Outlet Box.

UL LISTED E132662

CSA LR39143 w/Receptacle (LR89923) CSA Pending

6100 Series Replacement Boxes

Standard Depth
Catalog Number - 6130

Standard Depth Box with Feed Through
Catalog Number - 6130-F

Extra Deep Box
Catalog Number - 6129

Extra Deep Box with Feed Through
Catalog Number - 6129-F

6100 Series Replacement Cover Plates

For Duplex Receptacles
Catalog Number - 6131

For Single Receptacles
1.390" Dia. Opening
Catalog Number - 6132

For Single Receptacles
1.572" Dia. Opening
Catalog Number - 6133

For GFCI Receptacles
Catalog Number - 6135

Blank Coverplate
Catalog Number - 6034

Temporary Power

6100 Series Factory Wired Portable Outlet Boxes

These factory assembled outlet boxes save assembly time in the field and assembly cost, plus they give the assurance of proper component matching of cord, box and plug.

6100 Series Factory Wired Portable Outlet Boxes Selection Guide

	Factory Wired Box	Box w/ Receptacles	NEMA Config.	Cord Length	SOW Cord Size
Factory wired with (2) duplex receptacles					
6100 box w/ (2) duplex 5-15 receptacles, 1′ cord w/ 5-15 plug	61001		5-15	1′	14/3
6100 box w/ (2) duplex 5-15 receptacles, 25′ cord w/ 5-15 plug	61025		5-15	25′	14/3
6100 box w/ (2) duplex 5-15 receptacles, 50′ cord w/ 5-15 plug	61050		5-15	50′	14/3
6100 box w/ (2) duplex L5-15 receptacles, 1′ cord w/ L5-15 plug	61201		L5-15	1′	14/3
6100 box w/ (2) duplex L5-15 receptacles, 25′ cord w/ L5-15 plug	61225		L5-15	25′	14/3
6100 box w/ (2) duplex L5-15 receptacles, 50′ cord w/ L5-15 plug	61250		L5-15	50′	14/3
Factory wired with (2) single receptacles NEW!					
6106 box w/(2) L5-15 Outlets, 6′ cord w/ L5-15 plug	6106-143C2		L5-15	6′	14/3
6106 box w/(2) L5-15 Outlets, 25′ cord w/ L5-15 plug	6106-143A2		L5-15	25′	14/3
6106 box w/(2) L5-15 Outlets, 50′ cord w/ L5-15 plug	6106-143B2		L5-15	50′	14/3
6106 box w/(2) L5-15 Outlets		6106-2	L5-15		
6111 w/ (2) L5-20, 6′ #12/3 cord w/L5-20 plug	6111-123C3		L5-20	6′	12/3
6111 w/ (2) L5-20, 25′ #12/3 cord w/L5-20 plug	6111-123A3		L5-20	25′	12/3
6111 w/ (2) L5-20, 50′ #12/3 cord w/L5-20 plug	6111-123B3		L5-20	50′	12/3
6111 w/ (2) L5-20 receptacles		6111-3	L5-20		
6111 w/ (2) L6-20, 6′ #12/3 cord w/L6-20 plug	6111-123C4		L6-20	6′	12/3
6111 w/ (2) L6-20, 25′ #12/3 cord w/L6-20 plug	6111-123A4		L6-20	25′	12/3
6111 w/ (2) L6-20, 50′ #12/3 cord w/L6-20 plug	6111-123B4		L6-20	50′	12/3
6111 w/ (2) L6-20 receptacles		6111-4	L6-20		
6111 w/ (2) L7-20, 6′ #12/3 cord w/L7-20 plug	6111-123C5		L7-20	6′	12/3
6111 w/ (2) L7-20, 25′ #12/3 cord w/L7-20 plug	6111-123A5		L7-20	25′	12/3
6111 w/ (2) L7-20, 50′ #12/3 cord w/L7-20 plug	6111-123B5		L7-20	50′	12/3
6111 w/ (2) L7-20 receptacles		6111-5	L7-20		
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 6′ #12/3 cord	6111-123C9		Non-NEMA	6′	12/3
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 25′ #12/3 cord	6111-123A9		Non-NEMA	25′	12/3
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking, 50′ #12/3 cord	6111-123B9		Non-NEMA	50′	12/3
6111 w/ (2) Non-NEMA 2P, 3W 20A 250V locking receptacles		6111-9	Non-NEMA		

Notes:

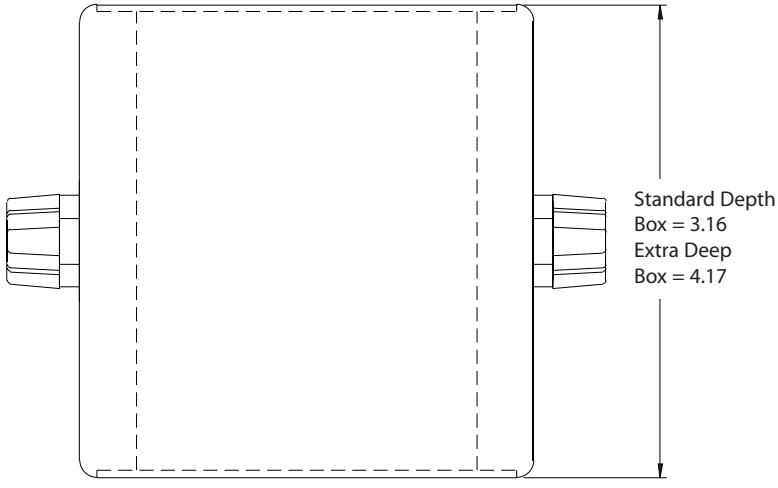
1. Contact factory for custom assemblies

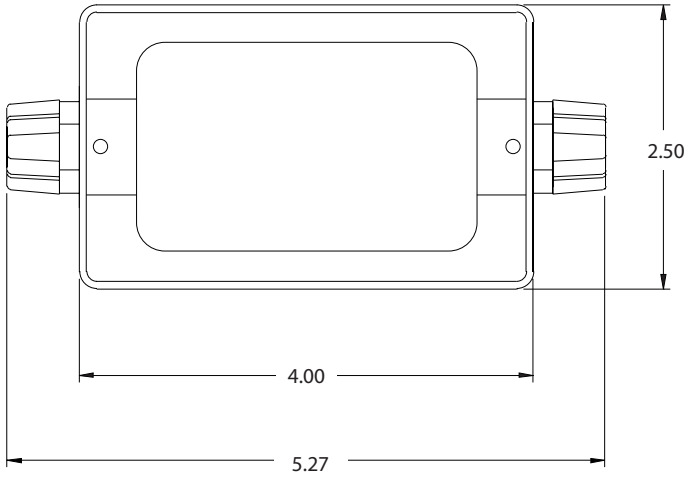
6100 Series GFCI Protected Portable Outlet Boxes

	NEMA Config.	Secondary Cord Length	SJTW Cord	Factory Wired Box w/ In-Line GFCI	Factory Wired Box w/ Plug Type GFCI
6100 Series Boxes Factory wired with (2) duplex receptacles					
6100 box w/ (2) duplex 5-15 receptacles, 1′ cord w/ 5-15 plug	5-15	1′	12/3	1084-12-2BW	1094-12-2BW
6100 box w/ (2) duplex 5-15 receptacles, 25′ cord w/ 5-15 plug	5-15	25′	12/3	1084-12-25BW	1094-12-25BW
6100 box w/ (2) duplex 5-15 receptacles, 50′ cord w/ 5-15 plug	5-15	50′	12/3	1084-12-50BW	1094-12-50BW

Notes:
1. Contact factory for custom assemblies

6100 Series





Visibly the Best
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safety electrical specialties

Temporary Power

Factory Wired 3-Phase Alternate-Wired Stringers

3-Phase Alternate-Wired Portable Outlet Box Strings

NEW!

- Code compliant
- Perfect for events requiring temporary power such as: conventions, carnivals, circuses, fairs and sporting events
- Available with Ericson's non-metallic, non-conductive outlet boxes
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- High-visibility dual-color safety system for easy identification on the jobsite
- Available with a wide range of cover plates and a full range of replacement parts

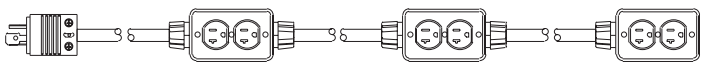
3-Phase Alternate Wired Streamers Selection Guide. 10′ leader. Boxes 10′ on Center

	Catalog Number	Plug	Receptacles	Overall Length	SOW Cord Size	Box 1	Box 2	Box 3	Box 4	Box 5	Box 6
Factory Wired Streamer with 6000 Boxes											
w/ (3) 6002 boxes	6050 -125F8	L21-20	5-20	30′	12/5	A-phase	B-phase	C-phase	-	-	-
w/ (6) 6002 boxes	6050 -125G8	L21-20	5-20	60′	12/5	A-phase	B-phase	C-phase	A-phase	B-phase	C-phase
w/ (3) 6002 boxes	6050 -105F8	L21-20	5-20	30′	10/5	A-phase	B-phase	C-phase	-	-	-
w/ (6) 6002 boxes	6050 -105G8	L21-20	5-20	60′	10/5	A-phase	B-phase	C-phase	A-phase	B-phase	C-phase

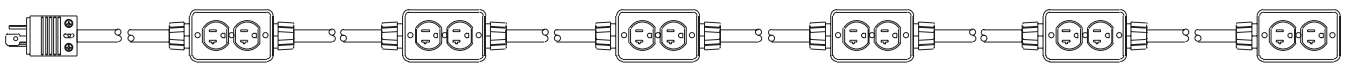
Notes:

1. Contact factory for custom assemblies
2. Add "BLK" to catalog number for all black boxes & cable. Example: 6050-125F8 becomes 6050-125F8BLK
3. Supplied with NEMA L21-20P 208V 3PH 5 wire grounding plug
4. Max 20 amps per phase
5. One color-coded duplex outlet per box
6. Indoor use only without snap covers

30′ Streamer



60′ Streamer



Notes

Temporary Power

PERMA-TITE® 6200 Series Outlet Boxes

6200 Series Weather Resistant Portable Pendant Outlet Box

NEW!

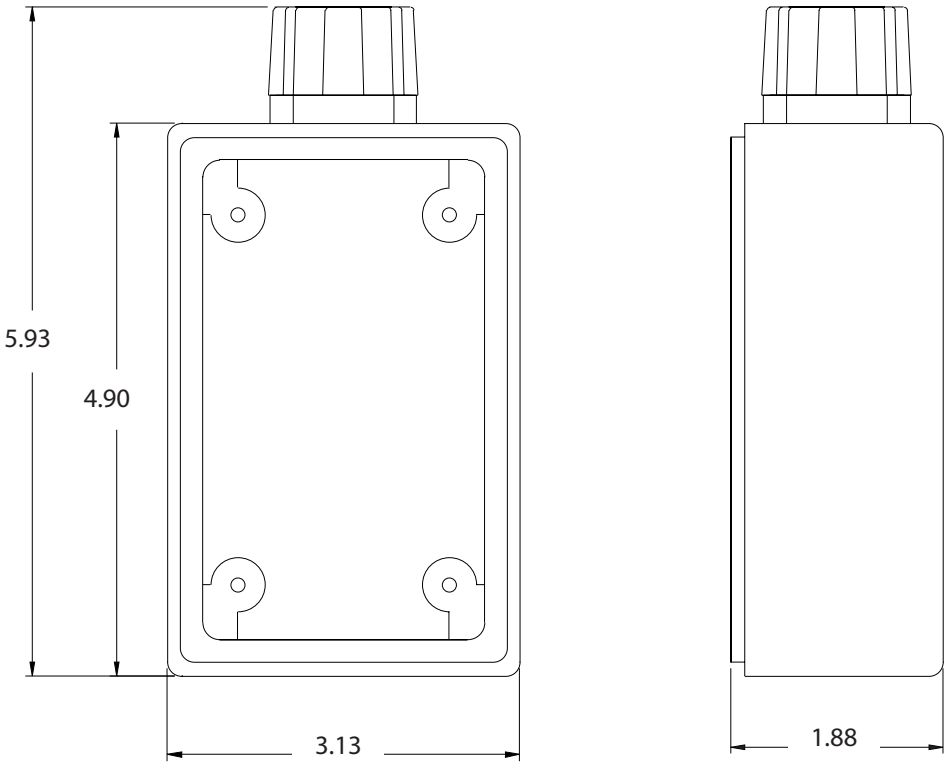
- Non-metallic, non-conductive design to provide protection against electric shock while using portable power cords
- Weather resistant cord grip seal
- Available as pendant and feed-through boxes
- Standard FS mounting plate dimensions
- Use with Ericson's PWDX weather-resistant duplex cover plates (p.119) and Ericson's FS series cover plates (p.120)

6200 Series Weather-Resistant Outlet Boxes

(for use with PWDX and FS Series coverplates)

Description	Pendant	Feed-Thru
Portable FS Box, for use with PWDX Series duplex coverplates	6200FS	6200FS-F
Portable FD Box, for use with PWDX Series duplex coverplates	6200FD	6200FD-F
Portable FS Box, for use with FS Series coverplates	6201FS	6201FS-F
Portable FD Box, for use with FS Series duplex coverplates	6201FD	6201FD-F

6200 Series



PERMA-TITE® Duplex Outlet Cover Plates - PWDX Series

- Weather resistant boot seals around Ericson Perma-Tite plug to provide weather resistant protection
- Heavy-duty stainless steel springs provides dependable, long service life
- Spring-loaded flip-lids covers receptacle when not in use
- Includes cover plate, rubber boot, stainless steel mounting plate/mounting screws
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to FS and FD boxes and Ericson's 6200 Series Outlet Boxes
- Built-In lock-out/tag-out feature

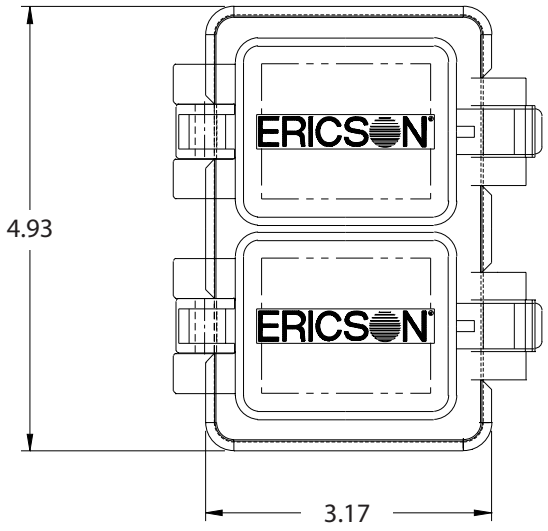
PERMA-TITE® Duplex Cover Plates with Female Receptacle - PWDX Series

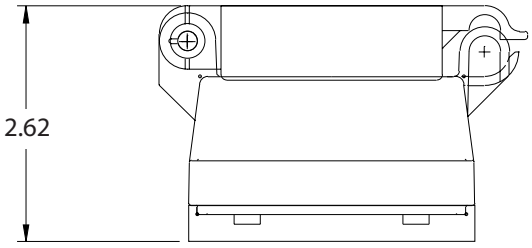
NEW!

NEMA Configuration	Electrical Ratings		Catalog Number
	Amps	Volts	
5-15	15 Amp	125 Volt	1610-PWDX
5-20	20 Amp	125 Volt	1612-PWDX
6-15	15 Amp	250 Volt	1614-PWDX
6-20	20 Amp	250 Volt	1616-PWDX
L5-15	15 Amp	125 Volt	1620-PWDX
L6-15	15 Amp	250 Volt	1622-PWDX
L7-15	15 Amp	277 Volt	1624-PWDX

Notes:
1. Consult factory for availablity

PWDX Series





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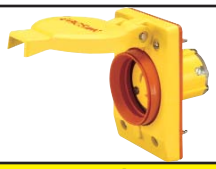
Temporary Power

PERMA-TITE® - FS Series Cover Plates

PERMA-TITE® Single Outlet Cover Plates - FS Series

- Weather resistant boot seals around Ericson Perma-Tite plug to provide weather resistant protection
- Spring-loaded flip-lid covers receptacle when not in use
- Includes cover plate, rubber boot, stainless steel mounting plate/mounting screws
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to FS and FD boxes and any flat surface

PERMA-TITE® Single Outlet Cover Plates - FS Series



NEMA Configuration	Electrical Ratings		Catalog Number
	Amps	Volts	
15A Straight Blade & Locking 20A Straight Blade			
Flip Seal Cover w/ weatherproof boot only			2700-FS [1]
5-15	15 Amp	125 Volt	2715-FS10
5-20	20 Amp	125 Volt	2715-FS12
6-15	15 Amp	250 Volt	2715-FS14
6-20	20 Amp	250 Volt	2715-FS16
L5-15	15 Amp	125 Volt	2715-FS20
L6-15	15 Amp	250 Volt	2715-FS22
L7-15	15 Amp	277 Volt	2715-FS24
20A & 30A Locking, 3-Wire			
Flip Seal Cover w/ weatherproof boot only			2800-FS [1]
L5-20	20 Amp	125 Volt	2820-FS10
L6-20	20 Amp	250 Volt	2820-FS12
L7-20	20 Amp	277 Volt	2820-FS14
Non-NEMA	20 Amp	125/250 Volt	2820-FS16
Non-NEMA	20 Amp/10 Amp	250 Volt/600 Volt	2820-FS17[3]
L5-30	30 Amp	125 Volt	2830-FS10
L6-30	30 Amp	250 Volt	2830-FS12
L7-30	30 Amp	277 Volt	2830-FS14
Non-NEMA	30 Amp	125/250 Volt	2830-FS16
20A & 30A Locking, 4-Wire			
Flip Seal Cover w/ weatherproof boot only			2900-FS [1]
L14-20	20 Amp	125/250 Volt	2920-FS20
L15-20	20 Amp	250 Volt, 3 Ø	2920-FS22
L16-20	20 Amp	480 Volt, 3 Ø	2920-FS24
L14-30	30 Amp	125/250 Volt	2930-FS20
L15-30	30 Amp	250 Volt, 3 Ø	2930-FS22
L16-30	30 Amp	480 Volt, 3 Ø	2930-FS24
L17-30	30 Amp	600 Volt, 3 Ø	2930-FS26
L18-30	30 Amp	120/208 Volt, 3 Ø wye	2930-FS30
Non-NEMA	30 Amp	120/208 Volt, 3 Ø wye	2930-FS28

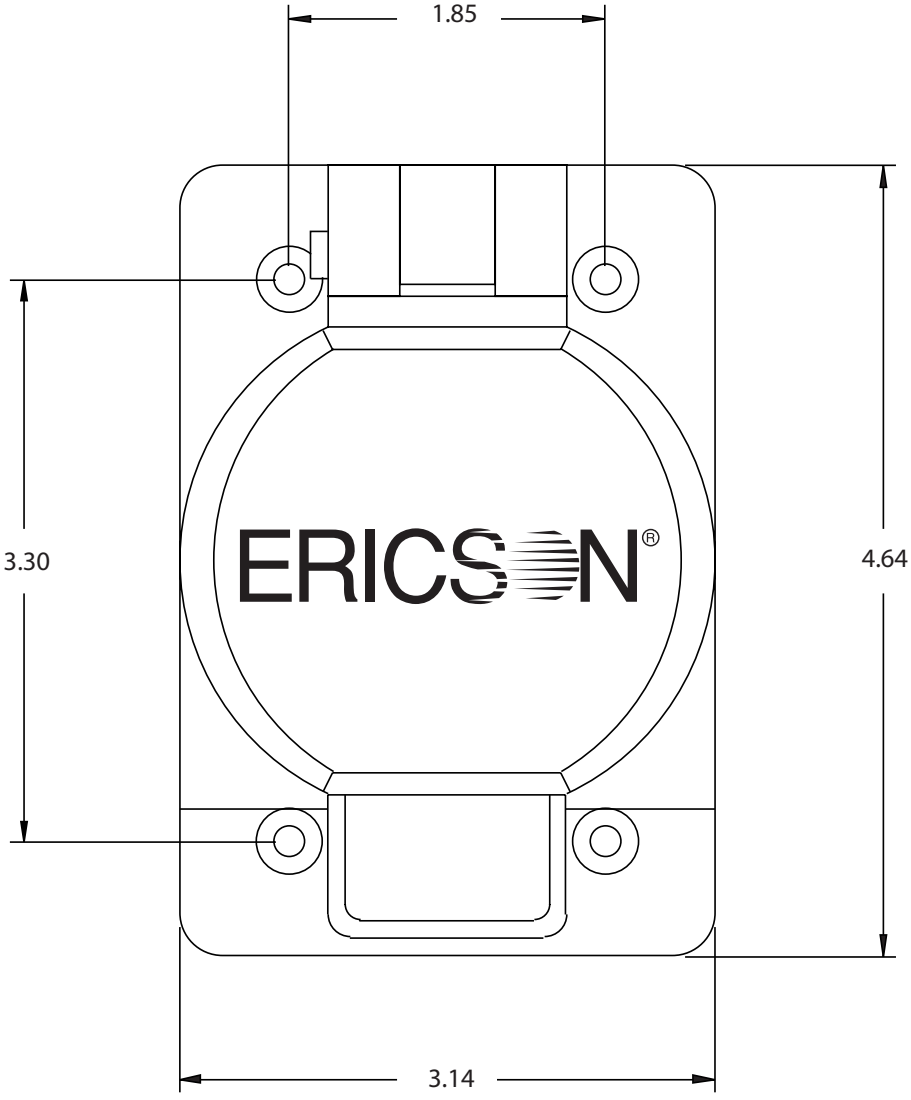
NOTES:

1. Does not include receptacle. Use with standard receptacles of same electrical ratings.
2. Low profile models available -add "LP" to catalog number
3. For replacement use only, not recommended for new installations
4. Standard is backwire, Optional sidewire available for 2800 & 2900 Series

UL LISTED

CSA CERTIFIED

FS Series



Temporary Power

7000 Series Tri-Tap Multiple Outlet Boxes

7000 Series Tri-Tap Multiple Outlet Boxes

- Available in a variety of amperages and voltages
- Standard NEMA configurations insure compatibility with existing equipment
- Molded of rugged thermoplastic elastomer (TPE) to provide maximum resistance to oils, chemical and impact
- Non-conductive housing eliminates possibility of box becoming energized
- Cover plate and non-conductive cord clamp molded from impact and chemical resistant polybutylene terepthalate (PBT)
- Molded of Brilliant Orange and Radiant Yellow colors for added safety through greater visibility in dull work environments

7000 Series Tri-Tap Multiple Outlet Boxes

Amperage	Voltage	NEMA Config.	Box Only	Factory Wired Boxes			
				#14/3 SOW		#12/3 SOW	
				25′	50′	25′	50′
15	125	5-15	7000	7000-25-4	7000-50-4	7000-25-2	7000-50-2
20	125	5-20	7002	7002-25-4	7002-50-4	7002-25-2	7002-50-2
15	250	6-15	7004	7004-25-4	7004-50-4	7004-25-2	7004-50-2
20	250	6-20	7006	7006-25-4	7006-50-4	7006-25-2	7006-50-2
15	125	L5-15	7008	7008-25-4	7008-50-4	7008-25-2	7008-50-2
20	250	L6-15	7010	7010-25-4	7010-50-4	7010-25-2	7010-50-2
20	125	L5-20	7020	7020-25-4	7020-50-4	7020-25-2	7020-50-2
20	250	L6-20	7022	7022-25-4	7022-50-4	7022-25-2	7022-50-2
20	277	L7-20	7024	7024-25-4	7024-50-4	7024-25-2	7024-50-2

Notes:
1. Add "M" suffix to catalog number to specify GCM, example: 7000-25-2 becomes 7000-25-2M
2. Consult factory for custom assemblies

7000 Series Tri-Tap Multiple Outlet Boxes with GCM

- 15amp straight blade and locking and 20amp straight blade models are available with optional Perma-Watch GCM ground and continuity monitor
- GCM devices monitor line side requirements of OSHAs Assured Equipment Grounding Conductor Program (AEGCP)
- GCM constantly monitors the condition of the grounding continuity and proper wiring
- Simply add the letter "M" to the outlet box catalog number to add the optional GCM

7000 Series Tri-Tap Outlet Boxes with GFCI Protection

- The features of the 7000 series boxes plus GFCI protection for that added degree of safety

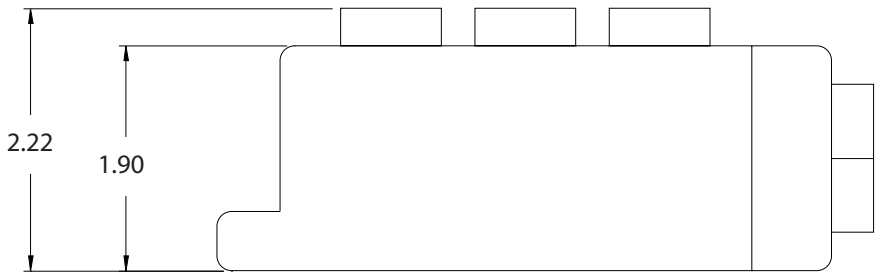
NEW!

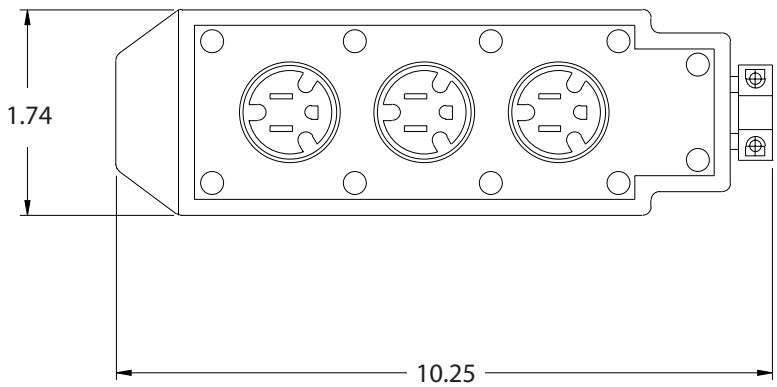
7000 Series Tri-Tap Outlet Boxes with GFCI Protection

Amperage	Voltage	NEMA Config.	GFCI	Factory Wired Boxes			
				#14/3 SJTW		#12/3 SJTW	
				25′	50′	25′	50′
15	125	5-15	In-line	7000-25-4GF	7000-50-4GF		
20	125	5-20	In-line			7002-25-2GF	7002-50-2GF

Notes:
1. Add "M" suffix to catalog number to specify GCM, example: 7000-25-2 becomes 7000-25-2M
2. Consult factory for custom assemblies

7000 Series





UL LISTED E101748 SA LL90345

Temporary Power

Factory Assembled Cord Sets

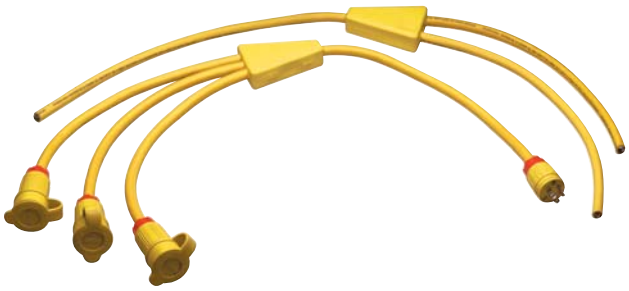
Factory Assembled Cord Sets

- Factory assembled to meet the most demanding industrial and construction applications
- Available with Ericson's Perma-Link or Perma-Tite plugs and connectors
- Manufactured using heavy-duty SOW cord for maximum durability and longevity
- High visibility dual color safety system, Brilliant Orange and Radiant Yellow for added safety in otherwise dull construction/industrial environments
- Wide range of standard models available
- Custom assemblies available upon request

Factory Assembled Cord Sets Selection Guide

Cord Length (ft.)	NEMA Ratings			Cord		NEMA Config	Catalog Number
	Amps	Volts	Watts	AWG	Type		
with Perma-Link Plugs & Connectors							
25	15	125	1875	16/3	SOW	5-15	1510P163A
50	15	125	1875	16/3	SOW	5-15	1510P163B
100	15	125	1875	16/3	SOW	5-15	1510P163D
25	15	125	1875	16/3	SOW	L5-15	1520P163A
50	15	125	1875	16/3	SOW	L5-15	1520P163B
100	15	125	1875	16/3	SOW	L5-15	1520P163D
25	15	125	1875	14/3	SOW	5-15	1510P143A
50	15	125	1875	14/3	SOW	5-15	1510P143B
100	15	125	1875	14/3	SOW	5-15	1510P143D
25	15	125	1875	14/3	SOW	L5-15	1520P143A
50	15	125	1875	14/3	SOW	L5-15	1520P143B
100	15	125	1875	14/3	SOW	L5-15	1520P143D
with Perma-Tite Plugs & Connectors							
25	15	125	1875	16/3	SOW	5-15	1510PW163A
50	15	125	1875	16/3	SOW	5-15	1510PW163B
100	15	125	1875	16/3	SOW	5-15	1510PW163D
25	15	125	1875	16/3	SOW	L5-15	1520PW163A
50	15	125	1875	16/3	SOW	L5-15	1520PW163B
100	15	125	1875	16/3	SOW	L5-15	1520PW163D
25	15	125	1875	14/3	SOW	5-15	1510PW143A
50	15	125	1875	14/3	SOW	5-15	1510PW143B
100	15	125	1875	14/3	SOW	5-15	1510PW143D
25	15	125	1875	14/3	SOW	L5-15	1520PW143A
50	15	125	1875	14/3	SOW	L5-15	1520PW143B
100	15	125	1875	14/3	SOW	L5-15	1520PW143D

Notes:
1. Contact factory for custom assemblies



Perma-Dapt Power Outlet Adapters

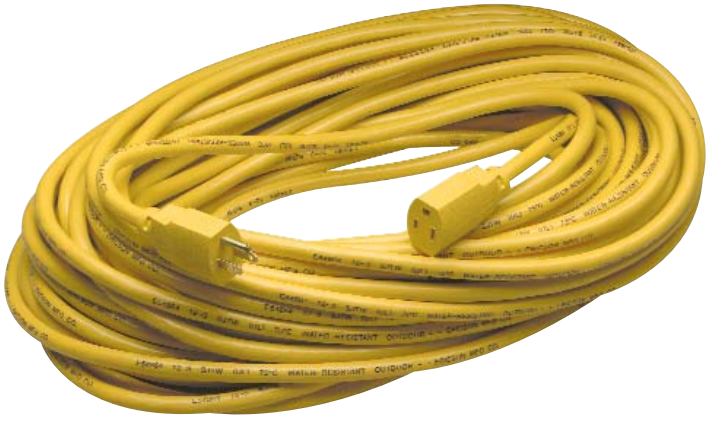
- Provides multiple outlets from a single power source
- Available in "Y" and "W" configurations
- Manufactured using heavy-duty SEOW cord
- Standard models available with 18" primary and secondary
- Available with Ericson's Perma-Link or Perma-Tite plugs and connectors
- Custom configurations available with your choice of primary length, secondary length and plug/connectors

Perma-Dapt Power Outlet Adapters

Primary Cord Length	Secondary Cord Length	Cord Type	Plug & Connector		NEMA Config	Plug	Connector	Catalog Number
			Amperage	Voltage				
Y-Adapters								
18″	18″	#12/3 SEOW				Blunt	Blunt	2634
18″	18″	#12/3 SEOW	15	125	5-15	1510-P	1610-C	2634-A
18″	18″	#12/3 SEOW	15	125	5-15	1510-PW	1610-CW	2634-B
W-Adapters								
18″	18″	#12/3 SEOW				Blunt	Blunt	2636
18″	18″	#12/3 SEOW	15	125	5-15	1510-P	1610-C	2636-A
18″	18″	#12/3 SEOW	15	125	5-15	1510-PW	1610-CW	2636-B

Notes:
1. Contact factory for custom assemblies

UL LISTED E81746 CSA LL90345



Molded Extension Cords

- UL Listed
- Meets OSHA requirements for outdoor and indoor use
- Commercial duty extension cords for industrial and construction site applications
- Made with AWG #12/3 SJTW
- Available in 50 ft. and 100 ft. lengths

Molded Extension Cords

Straight blade molded on NEMA 5-15 plug and connector

Cord Length (ft)	Extension Cord Ratings			Cord		NEMA Config	Catalog Number
	Amps	Volts	Watts	AWG	Type		
50	15	125	1875	12/3	SJTW	5-15	123B
100	15	125	1875	12/3	SJTW	5-15	123D

Notes:
1. Color of product may vary between yellow, orange and black

Temporary Power

Yellow Portable Electrical Cord

Yellow Portable Electrical Cord

- UL Listed
- Rugged SOW jacketed cord provides excellent resistance to most hazards confronting portable cords at construction sites and industrial plants
- Resistant to heat sunlight, water acids, alkalides, cold and flame
- Excellent wear and tear resistance
- Stranded copper conductors provide optimum flexibility, even with heavier gauge conductors
- Standard color coding: 3-conductor: black, white, green
- 4-conductor: black, white, red, green

Yellow Portable Electrical Cord

AWG Size	Insulation Thickness	Stranding	Nominal O.D.	Rated Amps	Weight lbs/M ft.	Put-Up
#16/3 SOW	1/32	65/34	0.430	13	96	250′ coil
#16/4 SOW	1/32	65/34	0.485	10	124	250′ coil
#14/3 SOW	3/64	41/30	0.560	18	161	250′ coil
#14/4 SOW	3/64	41/30	0.605	15	193	250′ coil
#12/3 SOW	3/64	65/30	0.635	25	217	250′ coil
#12/4 SOW	3/64	65/30	0.678	20	253	250′ coil
#10/3 SOW	3/64	105/30	0.690	30	278	250′ coil
#10/4 SOW	3/64	105/30	0.745	25	341	250′ coil

UL LISTED

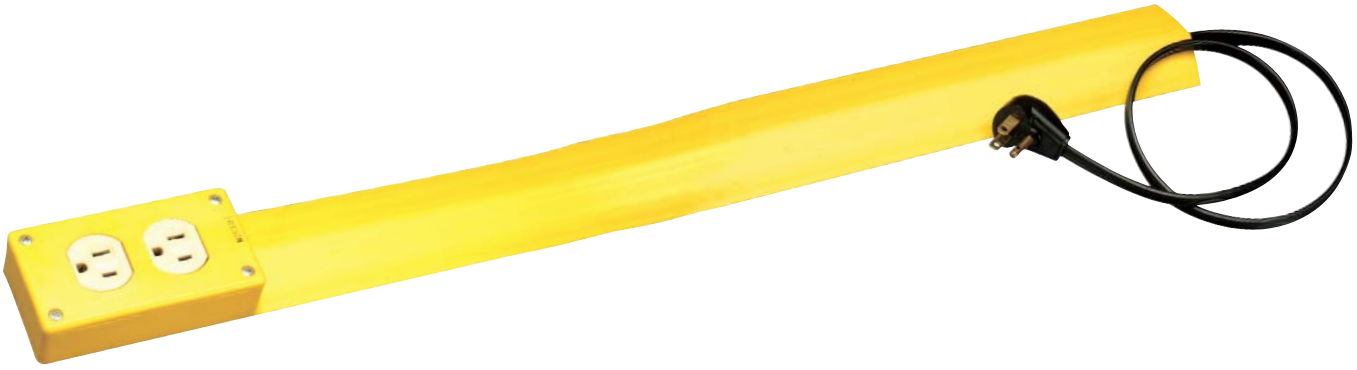
Over-The-Floor Power Duct

- Low-profile cable duct lays flat and provides an economical means of supplying power where needed.
- Helps to eliminate hazards of unsafe extension cord strung over floor. Hugs the floor, protects against tripping.
- Facilitates any possible arrangement of desks, machines and equipment to produce the most efficient use of available space.
- Safe, moisture resistant, non-conductive and fire resistant.
- Durable, highly resistant to abrasion, withstands heavy traffic, even with repeated passes of wheeled equipment.
- Preassembled cable duct is furnished with duplex (U-Ground) receptacle wired to No. 16/3 conductor cord. Two foot pigtail with right angle plug for connecting to wall outlet.
- Available in either yellow or beige color.

Selection Guide

Duct Length	Catalog Number	
	Yellow	Beige
4′	#17304-Y	#17304-B
6′	#17306-Y	#17306-B
8′	#17308-Y	#17308-B
10′	#17310-Y	#17310-B
12′	#17312-Y	#17312-B

Note-- Custom Made Power Ducts Available with additional outlets, special spacings, and in other popular colors. To order, contact your Ericson representative or the factory.



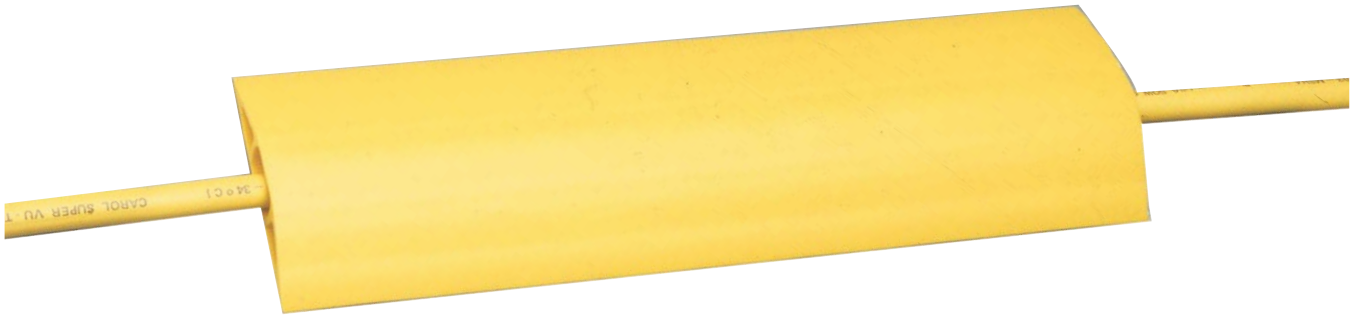
Over-The-Floor Cable Shield

- Cable shield protects cables or hoses that must extend across areas of heavy traffic, such as plant aisles, construction sites etc.
- Cable shield is both impact-and abrasion-resistant.
- Non-conductive
- No. 17425 cable shield accommodates cord sizes up to #12/3 SO, and hoses up to 1/2 inch OD.
- No. 17525 cable shield accommodates cord sizes up to #10/3 SO, and hoses up to 3/4 inch OD.
- Split bottom permits easy cable insertion.

Selection Guide

Catalog No.	Length	Color
#17425-B	25′	Black
#17425-Y	25′	Yellow
#17525-B	25′	Black
#17525-Y	25′	Yellow
Double Sided Tape for Installation		
#17575	(Roll) 2″ wide x 75′ long	

Note-- Cable Shield can be cut to required length by user. Maximum available length is 25 ft.



UL LISTED

1090 Series Plug GFCIs
1080 Series In-Line GFCIs
1060/1070 Series Multiple Outlet GFCIs
1075 Series Panel Mount GFCIs
1066 Series Power Distribution Center
Custom Built Assemblies

Visibly the Best
ERICSON®
safety electrical specialties

Ericson Manufacturing Company engineers and produces a comprehensive range of portable Ground Fault Circuit Interrupters that help you create the safer workplace you desire and help your company **comply with NEC and OSHA regulations.** Ericson's Ground Guardian™ range of portable GFCIs are perfect for wet and conductive locations/ jobsites where standing water is present and for use on any electrically powered portable tool such as drills, saws, drain cleaners, and much more. Additionally, **Ericson offers more models in automatic and manual power-up configurations than any other manufacturer.** In the following pages you will find:

- A wide range of portable GFCI products
- Ground Guardian™ Right-Angle Plug, In-Line GFCI Cordsets, Panel Mount, Surface Mount and Multi-Outlet portable GFCIs
- A wide variety of Specialty Devices such as, Tri-Taps, GFCIs, Factory wired with watertight plugs & connectors or Ericson's portable outlet boxes
- Automatic & Manual power-up models
- Easy to use charts and drawings simplify the selection/specification process making it quick and user friendly
- Technical reference information including dimensional drawings, how GFCI's work & code requirements

GFCI Right-Angle Plugs (1090 Series)

- UL Listed and CSA Certified
- Variety of 15Amp/120Volt models available
- Available as field attachable units for direct connection to your cordset or powertool or as factory wired units with up to 100' of cable
- Bright LED Lamp indicates power status and is visible from a distance
- Factory wired models available with standard cordset lengths up to 100'
- Impact-resistant housings
- Available as automatic and manual power-up configurations
- Nickel-Plated blades for added corrosion resistance

In-Line GFCI Cordsets (1080 Series)

- UL Listed and CSA Certified
- 15 Amp & 20Amp/120Volt models available
- Available as automatic and manual power-up configurations
- Available with a variety of different cord lengths

Panel-Mount GFCIs (1075 Series)

- UL Listed and CSA Certified
- 15Amp & 20Amp/120Volt models
- Available as automatic and manual power-up configurations

Multi-Outlet GFCIs (1060 & 1070 Series)

- UL Listed and CSA Certified
- 15Amp & 20Amp/120Volt models
- Available as automatic and manual power-up configurations

Custom Built Devices

As always, you can turn to Ericson Manufacturing Company to engineer a solution for your portable GFCI application if you do not find a standard catalog item to fit your need. Contact the factory or your local sales representative to find out more.

Ground Fault Circuit Interrupters

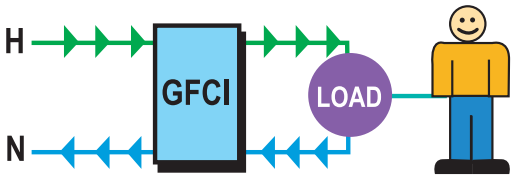
How a Ground Fault Circuit Interrupter Works

How a Ground Fault Circuit Interrupter works

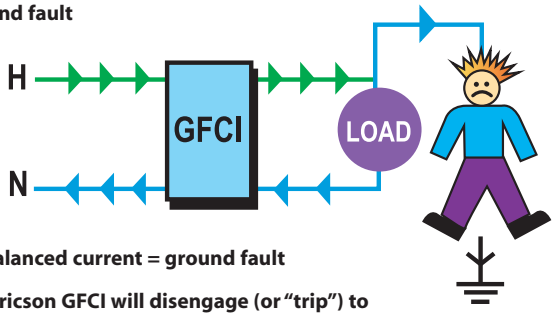
As explained in OSHA Regulation 1926.404, an option for safe compliance in temporary power set-ups is the use of a Ground Fault Circuit Interrupter (GFCI). The GFCI is a fast-acting circuit breaker that senses small imbalances in the circuit caused by current leakage to ground and, in a fraction of a second, shuts off the electricity. A GFCI continually monitors the amount of current returning from the device along the normal electrical path. Whenever the amount "returning" differs from the amount "going" by more than 5 mA $\pm$ 1 mA, the GFCI interrupts the current - preventing electrocution.

Beware of "open neutrals" and "reverse phasing"

Normally, GFCI receptacles (like those found in your bathroom) can sense ground-fault circuits. However, if the line-side neutral conductor is opened or lifted at a panel, the circuitry in the GFCI receptacles will not have the necessary 125V power from which to operate. That means that GFCI is no longer capable of sensing and disengaging. This is called an "open neutral." Anyone using the receptacles protected by the disabled GFCI will not have GFCI protection. And if a faulted tool is connected to the now-unprotected receptacle, the user will be exposed to a shock or electrocution hazard.



Normal balanced current
No ground fault



Imbalanced current = ground fault

An Ericson GFCI will disengage (or "trip") to stop all current flow eliminating this hazard

This is why jobsite GFCIs must provide open neutral protection.

Open neutral protection occurs when both the hot and neutral conductors on the load side of the GFCI are opened (or disengaged) in the event the neutral or hot wires on the line side of the GFCI are opened. This protection is required for all portable GFCI units by UL Standard 943.

Because it is possible that phase and neutral conductors could be mistakenly reversed at the receptacle line terminals, portable GFCIs also protect against "reverse phasing." This is accomplished by opening (or disengaging) both conductors when a ground fault is detected. If the conductors are accidentally connected to the wrong terminals, personnel are still protected. Therefore, while all portable GFCIs will effectively provide "reverse phasing" protection, GFCI breakers do not.

Flexible Cords = Portable Danger

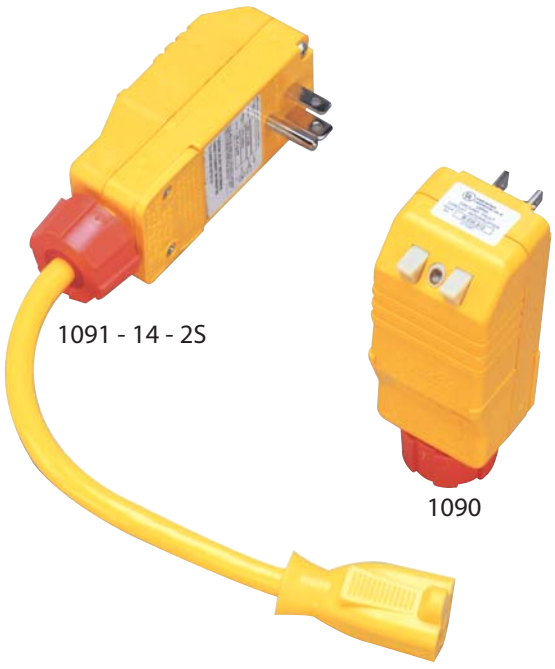
With the ever increasing presence of portable tools at jobsites, the use of flexible cords is a necessity. Flexible, exposed cords are more vulnerable to damage than fixed wiring. Hazards are often created when flexible cords, cord connectors, receptacles, cord-connected equipment or plug-connected equipment are improperly used or maintained.

Also, on-site routine objects like door or window edges, staples or fasteners or abrasive materials can damage cords. Another frequent hazard on a construction site is a cord assembly with improperly connected terminals.

Moisture is a problem, too. When a cord connector is wet at any point, potentially fatal leakage can pass through an individual coming in contact at the point of leakage - electrocution can result.

That's why the Occupational Safety and Health Administration (OSHA) and the National Fire Protection Association have created ground fault protection standards for added electrical safety on the job.

SAFE CURRENT VALUES	
Milliamperes	**Effect on Average Human**
1 or less	Causes no sensation - not felt, is at threshold of perception.
1 to 8	Sensation of shock. Not painful. Individual can let go at will, as muscular control is not lost. (5mA is accepted as maximum harmless current intensity.)
UNSAFE CURRENT VALUES	
Milliamperes	**Effect on Average Human**
8 to 15	Painful shock. Individual can let go at will, as muscular control is not lost.
16 to 20	Painful shock. Muscular control of adjacent muscles lost. Cannot let go.
21 to 99	Painful. Severe muscular contractions. Breathing is difficult.
100 to 200	Ventricular fibrillation. (A heart condition that may result) Disrupts or changes rhythm of the heart.
200 & over	Severe burns. Severe muscular contractions - so severe that chest muscles clamp heart and stop it during duration of shock. (This prevents ventricular fibrillation.)



Features

- UL Listed and CSA Certified
- Compact, portable, durable and versatile
- Electric tools can be wired directly to the plug GFCI so that every time you plug in, you are complying with safety codes and protecting yourself from lethal ground faults
- Works on two or three wire circuits
- Meets OSHA construction site requirements
- Automatic and Manual power-up models available
- Field attachable and factory wired models available with up to 50' of cord standard
- Field attachable units comes complete with grommets and strain relief for cable ranges from #18/3 AWG through #12/3 AWG and accommodates cable types ST, SO, SJT, SJO and SJTO
- Factory wired units are available with the following standard options:
  - Molded-on NEMA 5-15 connector
  - #6000 outlet box
  - #6100 weather resistant outlet box
- Custom Configurations available for your in-plant or OEM application - Simply complete the appropriate custom product request form and fax it to the factory for a quotation

Listed E75387

LR91412

Specifications:

Material

- Housing: UV rated Polycarbonate
- Cord grip nut: Polyester or Nylon
- Cord grip grommet: Ethylene Propylene Thermoplastic Rubber (EPTR)
- Power blades: Plated brass
- Warning label: UL approved polyester
- Product label: UL approved polyester
- Body Screws: Stainless steel
- Access cover screws: Stainless steel
- Terminal screws: Brass

Electrical

- Power-up type: Automatic & Manual
- Trip level: 4-6mA
- Trip time: less than 25ms (0.025 seconds)
- Leakage current in 93% relative humidity: Zero
- Operating voltage: 120VAC nominal rating (85% to 110% of rated voltage: 102V-132V)
- Low voltage let go: 40% of rated voltage
- Grounded neutral detection: 2 ohms or less
- Frequency: 60Hz
- Overload current: 90Amps, 50% inductive power factor, 1 second
- Radio frequency noise susceptibility: Operates normally with 0.5 VRMS, 10-450Mhz, injected on power lines
- Voltage surge withstand: 6KV impulse, 0.5 microsecond rise time, 100Khz ringing frequency with 40% decay per cycle
- Dielectric voltage withstand:
  - 1500 VRMS between line & load (across contacts)
  - 2500 VRMS between current carrying conductors and ground conductor
  - 4000 VRMS between current carrying conductors and enclosure
  - 4000 VRMS between ground conductor and enclosure

Mechanical

- Color: Yellow Enclosure with Orange Cord Grip Nut
- Power Status Indicator: Lighted NEON
- Contact Size: 0.200" dia.
- Terminal Identification: Molded-in
- Contact Latching: Electro-mechanical
- Cord Range: 0.33" - 0.72"
- Access Cover Screws: Stainless Steel

Environmental

- Operating Temperature Range: -35°C to +66°C
- Flammability: UL94V-0

Listings

- UL Listed: File No. E75387
- CSA Certified: File No. LR91412

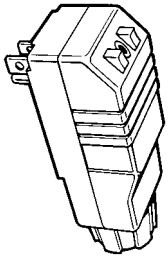
Ground Fault Circuit Interrupters

1090 Series Plug GFCI 120V/15Amp

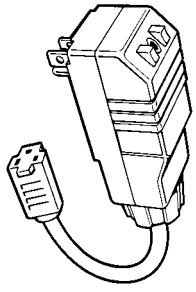
Selection Guide

Catalog Number	Type	Description	Cord		Connector/ Outlet(s)	Volts	Amps	Watts
			Length	Type				
1090	Manual	Field attachable	N/A	N/A	N/A	120V	15A	1800W
1091-14-2S	Manual	Factory wired	8"	SJT	(1) NEMA 5-15	120V	15A	1800W
1092	Automatic	Field attachable	N/A	N/A	N/A	120V	15A	1800W
1093-14-2S	Automatic	Factory wired	8"	SJT	(1) NEMA 5-15	120V	15A	1800W
1094-12-2B	Manual	Factory wired w/ 6000 box & (2) duplex receptacles	2'	SJT	(4) NEMA 5-15	120V	15A	1800W
1094-12-25B	Manual	Factory wired w/ 6000 box & (2) duplex receptacles	25'	SJT	(4) NEMA 5-15	120V	15A	1800W
1094-12-50B	Manual	Factory wired w/ 6000 box & (2) duplex receptacles	50'	SJT	(4) NEMA 5-15	120V	15A	1800W
1094-12-2BW	Manual	Factory wired w/ 6100 box & (2) duplex receptacles	2'	SJT	(4) NEMA 5-15	120V	15A	1800W
1094-12-25BW	Manual	Factory wired w/ 6100 box & (2) duplex receptacles	25'	SJT	(4) NEMA 5-15	120V	15A	1800W
1094-12-50BW	Manual	Factory wired w/ 6100 box & (2) duplex receptacles	50'	SJT	(4) NEMA 5-15	120V	15A	1800W

Consult factory for custom configurations

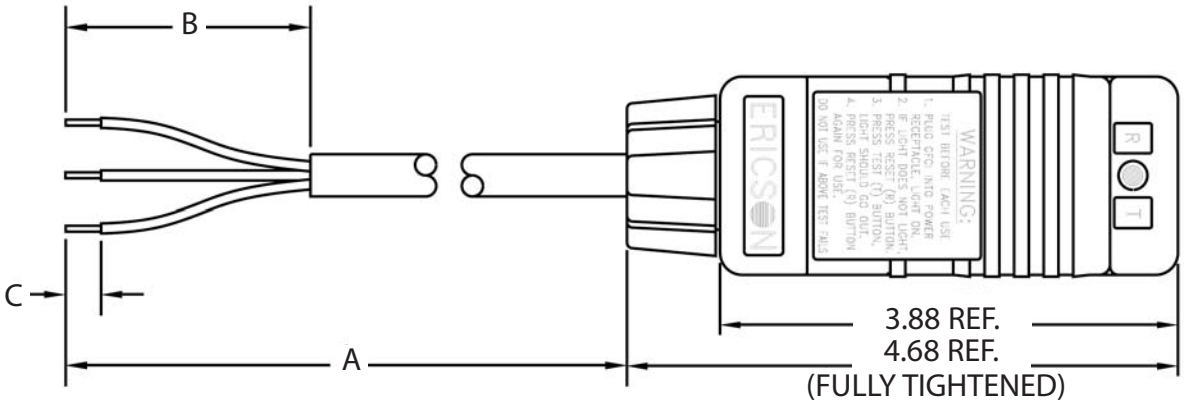


1090
Field Attachable



1091-14-2S
Factory Wired

SERIES 1090 GFCI POWER CORDS
CUSTOM PRODUCT REQUEST FORM



Combine the instant protection against open neutral, grounded neutral and reverse polarity conditions of our Series 1090 plug-type GFCI with your choice of power cord length, cable type, terminals, and color...all professionally assembled in our factory. Both Auto Reset and Manual Reset models require the user to press the reset button in the event of a ground fault. Auto reset models power up automatically upon plug-in and after power failure. Manual reset models require the user to press the reset button upon plug-in and after power loss to prevent accidental equipment start-ups. Please complete this form and fax to the factory (440) 951-1867 for your quote.

INPUT REQUIREMENTS:	VOLTAGE _____ VAC	CURRENT _____ AMPS	FREQUENCY 60 HZ
CABLE REQUIREMENTS:	TYPE: (e.g.; SJ, SJT, SJO) _____	GAUGE: (e.g.; 14, 12) _____	# OF CONDUCTORS: _____
	TEMPERATURE: _____ DEG. C	RESET OPTION: ____ MANUAL ____ AUTOMATIC	
DIMENSIONS:	"A": _____	"B": _____	"C": _____
TERMINATION:	"HOT": _____	"NEUTRAL": _____	"GROUND": _____

WIRING DEVICE ON SECONDARY END (if needed): _____ (Specify NEMA configuration)

We need devices: ☐ Molded ☐ Mechanically attached
(note: mechanically attached devices and configurations can be found in Perma-Grip™, Perma-Tite®, and Perma-Watch® sections)

COLOR: _____
(note: please specify if you need more than one color combination)

REQUIRED CERTIFICATION ORGANIZATION APPROVALS: (e.g.; UL, CSA, UL & CSA) _____.

QUANTITY FOR QUOTATION: _____	SPECIAL INSTRUCTIONS:

Name: _____ Title: _____ Company: _____

Address: _____ City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Visibly the Best
ERICSON®
safety electrical specialties

Ground Fault Circuit Interrupters

1080 Series In-Line GFCI Cordsets 120V/15 & 20 Amp

Features

- UL Listed and CSA Certified
- This unit combines a rugged cordset with the personal protection of a GFCI
- Compact & portable, this unit is easy to use, store and transport
- Works on two or three wire circuits
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Molded polycarbonate enclosure is corrosion and impact resistant, and stands up to the toughest jobsite conditions
- Automatic and Manual power-up models available
- Engineered strain relief protect cord from excessive bending and pulling
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status
- Factory Wired with SJT cable in standard lengths up to 25'
- Ericson's exclusive Safety Yellow and Orange color combination for easy identification
- Custom Configurations available for your in-plant or OEM application - Simply complete the appropriate custom product request form and fax it to the factory for a quotation

Specifications:

Material

- Enclosure: UV resistant Polycarbonate
- Strain Relief: PVC
- Warning label: UL approved polyester
- Product label: UL approved polyester
- Back cover screws: Stainless steel

Electrical

- Power-up type: Automatic & Manual
- Trip level: 4-6mA
- Trip time: less than 25ms (0.025 seconds)
- Leakage current in 93% relative humidity: Zero
- Operating voltage: 120VAC nominal rating (85% to 110% of rated voltage: 102V-132V)
- Low voltage let go: 40% of rated voltage
- Grounded neutral detection: 2 ohms or less
- Frequency: 60Hz
- Overload current: (15A models) 90 amps 50% power factor, 1 second
- Overload current: (20A models) 120 amps 50% power factor, 1 second
- Radio frequency noise susceptibility: Operates normally with 0.5 VRMS, 10-450Mhz, injected on power lines
- Voltage surge withstand: 6KV impulse, 0.5 microsecond rise time, 100Khz ringing frequency with 40% decay per cycle
- Dielectric voltage withstand:
  - 1500 VRMS between line & load (across contacts)
  - 2500 VRMS between current carrying conductors and ground conductor
  - 4000 VRMS between current carrying conductors and enclosure
  - 4000 VRMS between ground conductor and enclosure

Mechanical

- Color: Yellow Enclosure with Black strain relief
- Power Status Indicator: Lighted NEON
- Contact Size: 0.200" diameter
- Contact Latching: Electro-mechanical
- Cord Types: SJT, SJO, ST

Environmental

- Operating Temperature Range: -35°C to +66°C
- Flammability: UL94V-0

Listings

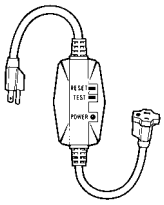
- UL Listed: File No. E75387
- CSA Certified: File No. LR91412

UL Listed E75387

CSA LR91412

Selection Guide

Catalog Number	Type	Description	Cord		Connector/ Outlet(s)	Volts	Amps	Watts
			Length	Type				
1080-14-2S	Auto	1080 w/molded Devices	2'	SJT	5-15	120	15	1800
1080-14-6S	Auto	1080 w/molded Devices	6'	SJT	5-15	120	15	1800
1080-14-25S	Auto	1080 w/molded Devices	25'	SJT	5-15	120	15	1800
1080-14-2S-MR	Manual	1080 w/molded Devices	2'	SJT	5-15	120	15	1800
1080-14-6S-MR	Manual	1080 w/molded Devices	6'	SJT	5-15	120	15	1800
1080-14-25S-MR	Manual	1080 w/molded Devices	25'	SJT	5-15	120	15	1800
1081-14-2PL	Auto	1080 w/Perma-Link Devices	2'	SJT	5-15	120	15	1800
1081-14-6PL	Auto	1080 w/Perma-Link Devices	6'	SJT	5-15	120	15	1800
1081-14-25PL	Auto	1080 w/Perma-Link Devices	25'	SJT	5-15	120	15	1800
1081-14-2PL-MR	Manual	1080 w/Perma-Link Devices	2'	SJT	5-15	120	15	1800
1081-14-6PL-MR	Manual	1080 w/Perma-Link Devices	6'	SJT	5-15	120	15	1800
1081-14-25PL-MR	Manual	1080 w/Perma-Link Devices	25'	SJT	5-15	120	15	1800
1081-12-2PL	Auto	1080 w/Perma-Link Devices	2'	SJT	5-20	120	20	2400
1081-12-6PL	Auto	1080 w/Perma-Link Devices	6'	SJT	5-20	120	20	2400
1081-12-25PL	Auto	1080 w/Perma-Link Devices	25'	SJT	5-20	120	20	2400
1081-12-2PL-MR	Manual	1080 w/Perma-Link Devices	2'	SJT	5-20	120	20	2400
1081-12-6PL-MR	Manual	1080 w/Perma-Link Devices	6'	SJT	5-20	120	20	2400
1081-12-25PL-MR	Manual	1080 w/Perma-Link Devices	25'	SJT	5-20	120	20	2400
1083-14-2PT	Auto	1080 w/Perma-Tite Devices	2'	SJT	5-15	120	15	1800
1083-14-6PT	Auto	1080 w/Perma-Tite Devices	6'	SJT	5-15	120	15	1800
1083-14-25PT	Auto	1080 w/Perma-Tite Devices	25'	SJT	5-15	120	15	1800
1083-14-2PT-MR	Manual	1080 w/Perma-Tite Devices	2'	SJT	5-15	120	15	1800
1083-14-6PT-MR	Manual	1080 w/Perma-Tite Devices	6'	SJT	5-15	120	15	1800
1083-14-25PT-MR	Manual	1080 w/Perma-Tite Devices	25'	SJT	5-15	120	15	1800
1083-12-2PT	Auto	1080 w/Perma-Tite Devices	2'	SJT	5-20	120	20	2400
1083-12-6PT	Auto	1080 w/Perma-Tite Devices	6'	SJT	5-20	120	20	2400
1083-12-25PT	Auto	1080 w/Perma-Tite Devices	25'	SJT	5-20	120	20	2400
1083-12-2PT-MR	Manual	1080 w/Perma-Tite Devices	2'	SJT	5-20	120	20	2400
1083-12-6PT-MR	Manual	1080 w/Perma-Tite Devices	6'	SJT	5-20	120	20	2400
1083-12-25PT-MR	Manual	1080 w/Perma-Tite Devices	25'	SJT	5-20	120	20	2400
1084-12-2B	Auto	1080 w/ 6000 box & Devices	2'	SJT	(4) 5-20	120	20	2400
1084-12-2BW	Auto	1080 w/ 6100 box & Devices	2'	SJT	(4) 5-20	120	20	2400
1084-12-2B-MR	Manual	1080 w/ 6000 box & Devices	2'	SJT	(4) 5-20	120	20	2400
1084-12-2BW-MR	Manual	1080 w/ 6100 box & Devices	2'	SJT	(4) 5-20	120	20	2400
1085-12-2TT	Auto	1080 w/Tri-Tap	2'	SJT	(3) 5-15	120	15	1800
1085-12-6TT	Auto	1080 w/Tri-Tap	6	SJT	(3) 5-15	120	15	1800
1085-12-25TT	Auto	1080 w/Tri-Tap	25'	SJT	(3) 5-15	120	15	1800
1085-12-50TT	Auto	1080 w/Tri-Tap	50'	SJT	(3) 5-15	120	15	1800
1085-12-2TT-MR	Manual	1080 w/Tri-Tap	2'	SJT	(3) 5-15	120	15	1800
1085-12-6TT-MR	Manual	1080 w/Tri-Tap	6	SJT	(3) 5-15	120	15	1800
1085-12-25TT-MR	Manual	1080 w/Tri-Tap	25'	SJT	(3) 5-15	120	15	1800
1085-12-50TT-MR	Manual	1080 w/Tri-Tap	50'	SJT	(3) 5-15	120	15	1800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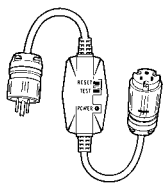
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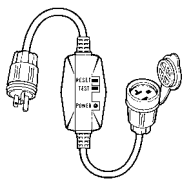
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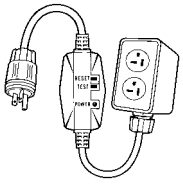
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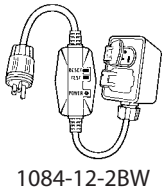
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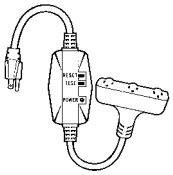
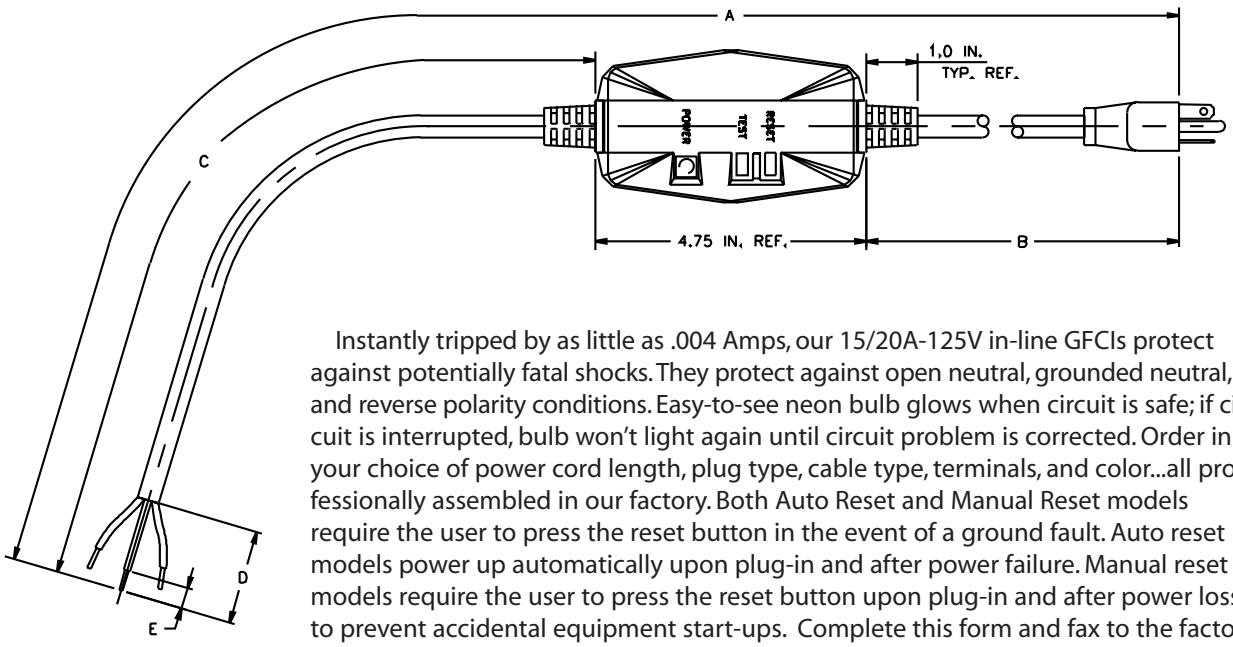

1085-12-2TT

Consult factory for custom configurations

Visibly the Best
ERICSON®
safety electrical specialties

SERIES 1080 IN-LINE GFCI POWER CORDS
CUSTOM PRODUCT REQUEST FORM



Instantly tripped by as little as .004 Amps, our 15/20A-125V in-line GFCIs protect against potentially fatal shocks. They protect against open neutral, grounded neutral, and reverse polarity conditions. Easy-to-see neon bulb glows when circuit is safe; if circuit is interrupted, bulb won't light again until circuit problem is corrected. Order in your choice of power cord length, plug type, cable type, terminals, and color...all professionally assembled in our factory. Both Auto Reset and Manual Reset models require the user to press the reset button in the event of a ground fault. Auto reset models power up automatically upon plug-in and after power failure. Manual reset models require the user to press the reset button upon plug-in and after power loss to prevent accidental equipment start-ups. Complete this form and fax to the factory (440) 951-1867 for your quote.

INPUT REQUIREMENTS:	VOLTAGE _____ VAC	CURRENT _____ AMPS	FREQUENCY 60HZ	
CABLE REQUIREMENTS:	TYPE: (e.g.; SJ, SJT, SJO) _____	GAUGE: (e.g.; 14, 12) _____	# OF CONDUCTORS: _____	
	TEMPERATURE: _____ DEG. C	RESET OPTION: ____ MANUAL ____ AUTOMATIC		
DIMENSIONS:	"A": _____	"B": _____	"C": _____	"D": _____
	"E": _____			
TERMINATION:	"HOT": _____	"NEUTRAL": _____	"GROUND": _____	

WIRING DEVICE: PRIMARY END: _____ SECONDARY END: _____ (Specify NEMA configuration)

We need devices: ☐ Molded ☐ Mechanically attached
(note: mechanically attached devices and configurations can be found in Perma-Grip™, Perma-Tite®, and Perma-Watch® sections)

COLOR: _____
(note: please specify if you need more than one color combination)

REQUIRED CERTIFICATION ORGANIZATION APPROVALS: (e.g.; UL, CSA, UL & CSA) _____.

QUANTITY FOR QUOTATION: _____

SPECIAL INSTRUCTIONS:

Name: _____ Title: _____ Company: _____

Address: _____ City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Ground Fault Circuit Interrupters

1060-1070 Series Multiple Outlet GFCI 120V/20 Amp

Series 1060

Series 1070

Features

- UL Listed and CSA Certified for wet locations
- Polycarbonate, Impact resistant enclosure retains its properties under the most extreme environmental conditions
- Spring-loaded flip lids protect outlets from jobsite contaminants when not in use
- Unit comes standard with extra hard usage #12/3 SEO cable
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Manual power-up
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status
- Optional Intel-A-Lite GCM Ground Continuity Monitor available - Continuously monitors integrity of ground
- Field serviceable

Specifications:

Material

- Enclosure: UV resistant Polycarbonate
- Warning label: UL approved polyester
- Product label: UL approved polyester

Electrical

- Power-up type: Manual
- Trip level: 4-6mA
- Trip time: less than 25ms (0.025 seconds)
- Leakage current in 93% relative humidity: Zero
- Operating voltage: 120VAC nominal rating (85% to 110% of rated voltage: 102V-132V)
- Low voltage let go: 40% of rated voltage
- Grounded neutral detection: 2 ohms or less
- Frequency: 60Hz
- Overload current:120 Amps, 50% inductive power factor, 1 second
- Radio frequency noise susceptibility: Operates normally with 0.5 VRMS, 10-450Mhz, injected on power lines
- Voltage surge withstand: 6KV impulse, 0.5 microsecond rise time, 100Khz ringing frequency with 40% decay per cycle
- Dielectric voltage withstand:
  - 1500 VRMS between line & load (across contacts)
  - 2500 VRMS between current carrying conductors and ground conductor
  - 4000 VRMS between current carrying conductors and enclosure
  - 4000 VRMS between ground conductor and enclosure

Mechanical

- Color: Yellow Enclosure with Orange bushing nut
- Power Status Indicator: Lighted NEON
- Contact Latching: Electro-mechanical

Environmental

- Operating Temperature Range: -35°C to +66°C
- Flammability: UL94HB

Listings

UL Listed: File No. E75387
CSA Certified: File No.LR91412

Listed E75387

LR91412

Ground Fault Circuit Interrupters

1060-1070 Series Multiple Outlet GFCI 120V/20 Amp

Selection Guide

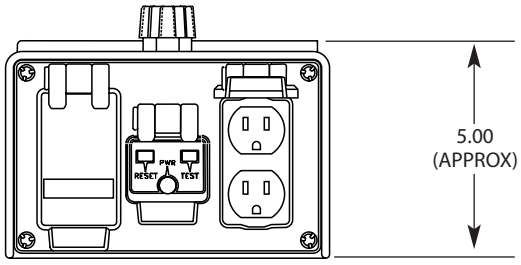
Catalog Number	Type	Outlets	Primary Cord Length	Primary Cord Type	Plug	Volts	Amps	Watts
1060	Manual	(4) NEMA 5-15 15A, 120Volt Straight Blade	6'	#12/3 SEO	5-15	120	15	1800
1061	Manual	(4) NEMA L5-15 15A, 120Volt Locking	6'	#12/3 SEO	L5-15	120	15	1800
1062	Manual	(4) NEMA 5-20 20A, 120Volt Straight Blade	6'	#12/3 SEO	5-20	120	20	2400
1070	Manual	(3) NEMA 5-15 15A, 120Volt Straight Blade	6'	#12/3 SEO	5-15	120	15	1800
1071	Manual	(3) NEMA L5-15 15A, 120Volt Locking	6'	#12/3 SEO	L5-15	120	15	1800
1072	Manual	(3) NEMA 5-20 20A, 120Volt Straight Blade	6'	#12/3 SEO	5-20	120	20	2400
1073	Manual	(3) NEMA L5-20 20A, 120Volt Locking	6'	#12/3 SEO	L5-20	120	20	2400
1074	Manual	(1) NEMA 5-20 20A, 120Volt Straight Blade & (2) NEMA L5-20 20A, 120Volt Locking	6'	#12/3 SEO	5-20	120	20	2400

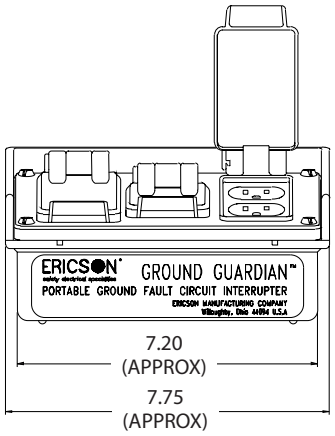
Intel-A-Lite Option - Add suffix "M" to catalog number. 1060 becomes 1060M
Consult factory for custom configurations

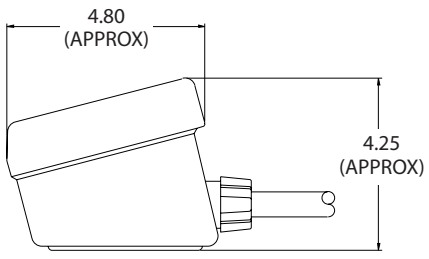
Series 1060

Series 1070

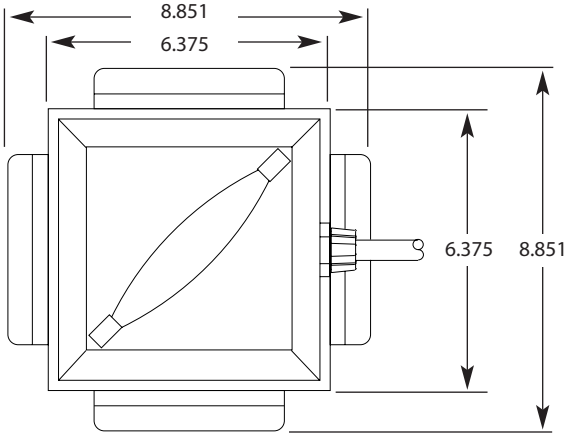
1060 Series

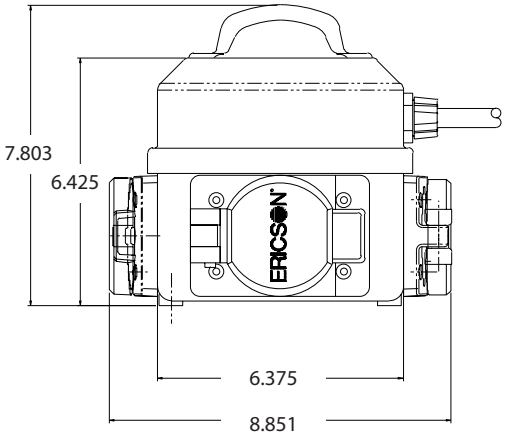


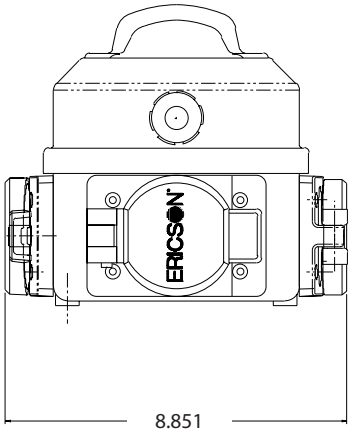




1070 Series







Ground Fault Circuit Interrupters

1075 Series Panel Mount GFCI 120V/20 Amp

Features

- UL Listed and CSA Certified
- Quick and easy field installation into temporary panels and workboxes
- Compact & portable, this unit is easy to use, store and transport
- Works on two or three wire circuits
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Molded polycarbonate enclosure is corrosion and impact resistant, and stands up to the toughest jobsite conditions
- Manual power-up models available
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status

Safety Note: Although receptacle GFCIs appear to provide full-protection, they do not protect against open-neutral hazards! When the line-side neutral is open (which is not an unusual occurrence in temporary wiring installations) receptacle GFCI contacts are mechanically closed and the "hot" wire is still conducting electricity through the load side, which means you risk serious injury. Ericson's panel mount GFCIs DO protect against open neutral hazards, which is why they - and ALL Ericson GFCIs - meet UL, NEC and OSHA requirements.

Selection Guide

Catalog Number	Type	Description	Volts	Amps	Watts
1075	Manual	Panel mount GFCI	120V	20A	2400

Specifications:

Material

- Enclosure: UV rated Polycarbonate
- Warning label: UL approved polyester
- Product label: UL approved polyester

Electrical

- Power-up type: Manual
- Trip level: 4-6mA
- Trip time: less than 25ms (0.025 seconds)
- Leakage current in 93% relative humidity: Zero
- Operating voltage: 120VAC nominal rating (85% to 110% of rated voltage: 102V-132V)
- Low voltage let go: 40% of rated voltage
- Grounded neutral detection: 2 ohms or less
- Frequency: 60Hz
- Overload current: 120Amps, inductive 50% Power factor, 1 second
- Radio frequency noise susceptibility: Operates normally with 0.5 VRMS, 10-450Mhz, injected on power lines
- Voltage surge withstand: 6KV impulse, 0.5 microsecond rise time, 100Khz ringing frequency with 40% decay per cycle
- Dielectric voltage withstand:
  - 1500 VRMS between line & load (across contacts)
  - 2500 VRMS between current carrying conductors and ground conductor
  - 4000 VRMS between current carrying conductors and enclosure
  - 4000 VRMS between ground conductor and enclosure

Mechanical

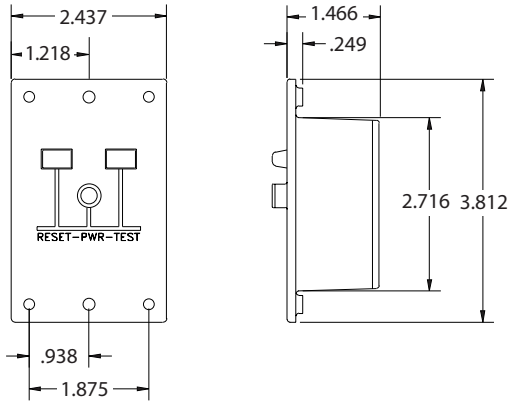
- Color: Black Enclosure
- Power Status Indicator: Lighted NEON
- Contact Size: 0.200" dia.
- Contact Latching: Electro-mechanical

Environmental

- Operating Temperature Range: -35°C to +66°C
- Flammability: UL94V-0

Listings

UL Listed: File No. E75387
CSA Certified: File No. LR91412



Listed E75387

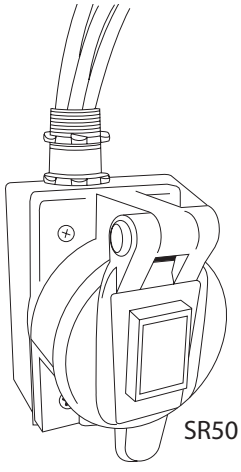
LR91412

Ground Fault Circuit Interrupters

1066 Series Portable Power Distribution Center

Features

- Operate six power tools simultaneously with full GFCI protection
- Built to withstand the toughest on-the-job punishment
- Circuit breakers protect each receptacle against current overload
- A bright pilot light shows you when power is on and that you have proper circuit integrity
- 16 GA steel chassis
- 10 GA steel skids
- UL Listed powder coating



SR50

50-Amp Cord Set Accessories

Catalog Number	Description	Rating	Weight (Lbs)
63DSO	Cordset, 100'; 6/3-8/1 SO	50A, 125/250V	65
63BSO	Cordset, 50'; 6/3-8/1 SO	50A, 125/250V	39
2634YSO	Y-adapter, 2'; 6/3-8/1 SO	50A, 125/250V	7
63DST	Cordset, 100'; 6/3-8/1 ST	50A, 125/250V	70
63BST	Cordset, 50'; 6/3-8/1 ST	50A, 125/250V	35
2634YST	Y-adapter, 2'; 6/3-8/1 ST	50A, 125/250V	8
SR50	Power outlet receptacle; weatherproof box w/ liftcover & 24" leads	50A, 125/250V	3
7717	Weather-resistant boot	--	.40
510RR	Sealing collar for boots	--	.20

Selection Guide

Catalog Number	Description	Receptacles	Type	GFCI Protected	Overload Protected	Volts	Amps	Total Watts
1066	Portable Power Distribution Center	6	5-20R	YES	YES	125	20	6250/12500
		1	L6-30R	NO	YES	250	30	
	Power Inlet	1	CS6375			125/250	50	
	Power Outlet	1	CS6369			125/250	50	

Ground Fault Circuit Interrupters

Hand Held 7-Way GFCI Tester

- Hand held 7-way GFCI tester tests circuits seven critical ways
- Use on NEMA 5-15, 5-20 /120VAC 3-wire outlets and GFCI protected outlets
- Simply plug in the tester, see which lights are activated and read the easy-to-see color coded chart to identify the condition of the wiring
- When testing GFCI receptacles, simply press the thumb button to test for proper GFCI operation

Plug-In to test for:

- Open hot
- Open ground
- Open neutral
- Hot/ground reversed
- Hot/neutral reversed
- Correct wiring
- Proper GFCI operation

Selection Guide

Catalog Number	Description
1099	Hand-held 7-way GFCI tester

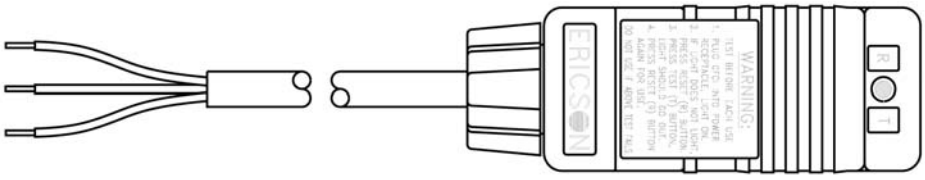
Indicator	Fault	Reason for wiring fault
○ ● ○	Open Ground	Ground contact not connected
○ ○ ●	Open Neutral	Neutral contact not connected
○ ○ ○	Open Hot	Hot contact not connected
● ○ ●	Hot Ground Reverse	Hot and ground contacts interchanged
● ● ○	Hot Neutral Reverse	Hot and neutral contacts interchanged
○ ● ●	Correct	Receptacle is wired correctly

● RED ● AMBER

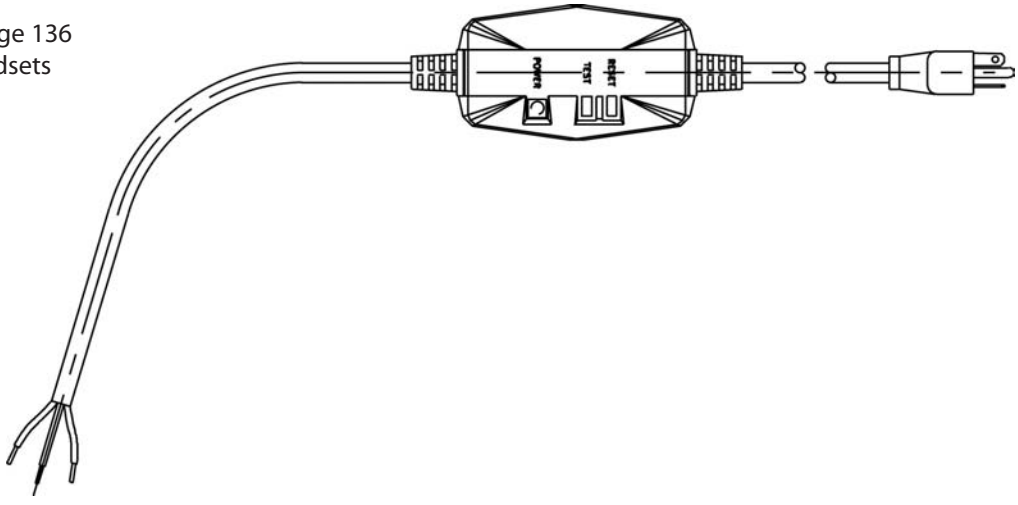
Custom Built Assemblies

As always you can turn to Ericson Manufacturing Company to engineer a solution to your portable GFCI application if you do not find a standard catalog item to fit your need. Use the custom products request forms found throughout this section to develop the spec for your custom designed GFCI and fax it to the factory or your local representative.

• Custom 1090 GFCIs. See Page 133
120V/15A Plug Style



• Custom 1080 GFCIs. See Page 136
120V/15A & 20A In-Line Cordsets



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safety electrical specialties

Ground Fault Circuit Interrupters

Code Related Issues

Code Related Issues

1999 National Electrical Code

Article 305 Temporary Wiring;
Section 305-6 Ground Fault Protection for Personnel

Section 305-6(a) - Receptacle Outlets

This code change expands the requirement for Ground Fault Circuit Interrupter (GFCI) protection to personnel using 30-ampere, 125 volt receptacle outlets. This section now requires GFCIs for all 125 volt, single phase, 15-, 20- and 30-ampere receptacle outlets that are used to supply temporary power to equipment used by personnel during construction, remodeling, demolition, maintenance, and repair activities (See figure 1). The code recognizes the use of listed "portable" devices as a means of providing GFCI protection.

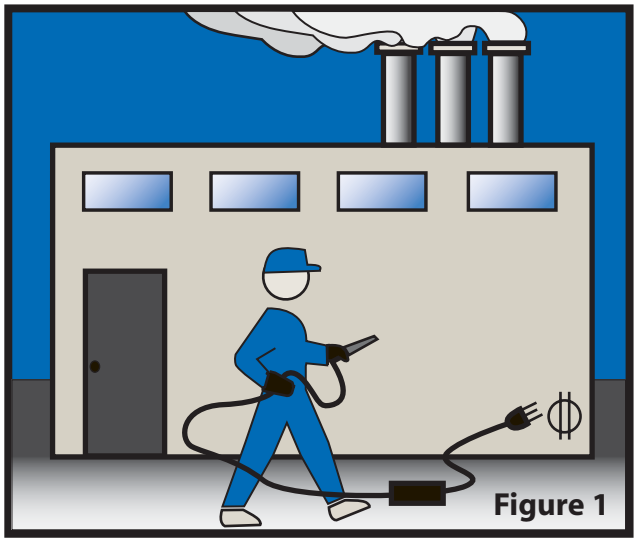

Figure 1

Exception #2 Permits industrial establishments, where conditions of maintenance and supervision ensure that only qualified personnel are involved, to implement a written Assured Equipment Grounding Program (AEGCP)

The AEGCP consists of a series of tests and inspections that verify electrical continuity and mechanical integrity and shall be performed (a) before first use, (b) when there is evidence of damage, (c) before equipment is returned to service following any repairs, (d) at intervals not to exceed 3 months. These tests must be recorded and made available to the Authority Having Jurisdiction (AHJ).

Section 305-6(b) - Use of Other Outlets

This section requires protection for receptacle outlets other than 125 volt, 15-, 20-, and 30-ampere. This change extends the requirements for protection to receptacle outlets rated over 30-amperes and those rated above 125 volts (including 208- and 240-volts). This protection can be supplied by (1) Ground Fault Circuit Interrupters or (2) A written Assured Equipment Grounding Conductor Program (AEGCP) continuously enforced at the site by designated person(s).

Section 525-18(a) - Ground Fault Circuit Interrupter Protection for Personnel; General-Use 15- and 20-Ampere, 125 Volt Receptacles

This change requires GFCI protection for all 125 volt, 15- and 20-ampere receptacle outlets used by personnel at carnivals, circuses and fairs. The GFCI can be part of the attachment plug or located in the power supply cord within 12" of the attachment plug. The code recognizes the use of listed "portable" devices as a means of providing GFCI protection.

Section 525-18 (c) - Ground Fault Circuit Interrupter Protection for Personnel; Other Receptacles

This section requires protection for receptacle outlets other than 125 volt, 15- and 20-ampere, which are those covered in Section 525-18(a). This protection can be supplied by (1) Ground-fault circuit-interrupters or (2) A written program that is continuously enforced at the site...This section goes on to reference Section 305-6(b)(2) which is the Assured Equipment Grounding Conductor Program (AEGCP) (See figure 2).

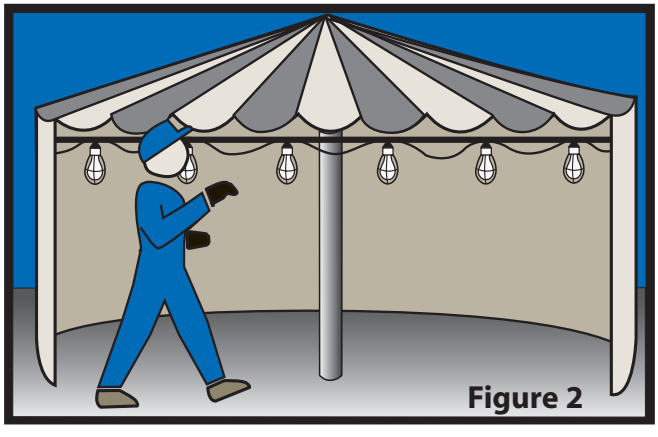

Figure 2

OSHA 1926.404

Wiring design and protection.
SubPart Number: K - Electrical - Installation Safety Requirements

OSHA 1926.404(b)(1)(i)
General. The employer shall use either ground fault circuit interrupters as specified in paragraph (b)(1)(ii) of this section or an assured equipment grounding conductor program as specified in paragraph (b)(1)(iii) of this section to protect employees on construction sites. These requirements are in addition to any other requirements for equipment grounding conductors.

OSHA 1926.404(b)(1)(ii)
Ground-fault circuit interrupters. All 120-volt, single-phase 15- and 20-ampere receptacle outlets on construction sites, which are not a part of the permanent wiring of the building or structure and which are in use by employees, shall have approved ground-fault circuit interrupters for personnel protection. Receptacles on a two-wire, single-phase portable or vehicle-mounted generator rated not more than 5kV, where the circuit conductors of the generator are insulated from the generator frame and all other grounded surfaces, need not be protected with ground-fault circuit interrupters.

OSHA 1910.213

Occupational Safety & Health Standards
SubPart O - Machinery & Machine Guarding, Section 213-Woodworking Machinery Requirements

OSHA 1910.213(b)(3)
On applications where injury to the operator might result if the motors were to restart after power failure, provision shall be made to prevent machines from automatically restarting upon restoration of power.

MINI-SYNC™ Devices
MINI-SYNC™ Shielded Devices
MICRO-SYNC™ Dual Keyway AC Devices
MICRO-SYNC™ Single Keyway DC Devices
MICRO-SYNC™ Shielded Devices

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safety electrical specialties

Ericson Manufacturing Company now offers a wide range of quick disconnect interconnection products for industrial automation applications. These devices offer simplified wiring alternatives to hard wiring of solenoids, limit switches, photoelectric sensors and other control components. Ericson's MINI-SYNC™ and MICRO-SYNC™ devices are ideal for applications ranging from conveyors, assembly lines, robotics, cranes & hoists, automated machinery, medical equipment, portable lighting towers, machine tools and more. In the following pages you will find:

- MINI-SYNC™ Plugs, Sockets, Receptacles and Molded Cordsets
- MINI-SYNC™ Specialty Devices such as Y-Splitters, Dual-Taps, Tri-Taps and EMI/RFI Shielded Units
- MICRO-SYNC™ Dual Keyway Plugs, Sockets, Receptacles, Molded Cordsets and Specialty Items
- MICRO-SYNC™ Single Keyway Plugs, Sockets, Receptacles, Molded Cordsets and Specialty Items such as Y-Splitters and EMI/RFI Shielded Devices
- Easy to use charts and drawings simplify the selection/specification process making it quick and user friendly
- Comprehensive technical reference information including wiring diagrams and dimensional drawings

MINI-SYNC™ Devices NEW!

- UL Recognized and CSA Certified
- 2-pole through 12-pole devices
- EMI/RFI shielded models available
- #16 AWG chemical resistant PVC jacketed cable
- Standard cordset lengths of 3', 6', 12', 15' and 20'
- Polyurethane inserts
- Anodized Aluminum coupling nuts and receptacle shells
- NEMA Type 6P and IP67 and IP68 environmental ratings
- Industrial, Automotive and International wiring/color coding sequences available
- Gold-Plated contacts

MICRO-SYNC™ Devices NEW!

- UL Recognized and CSA Certified
- 2-pole through 6-pole devices
- EMI/RFI shielded models available
- #22 AWG chemical resistant PVC jacketed cable
- Dual keyway standard cordset lengths of 6', 12', and 20'
- Single keyway standard cordset lengths of 2meters, 4m and 5m
- Polyurethane inserts
- Anodized Aluminum coupling nuts and receptacle shells
- Single keyway plugs, sockets and molded cordsets also available with chemical resistant plastic nuts
- NEMA Type 6P and IP67 and IP68 environmental ratings
- Anti-Vibration nuts ensure a secure connection
- Gold-Plated contacts

Custom Built Devices

As always you can turn to Ericson Manufacturing Company to engineer a solution to your quick disconnect application if you do not find a standard catalog item to fit your need.
Contact the factory or your local sales representative to find out more.

MINI-SYNC™

Catalog Number Structure

Cordset Assemblies with one device and one blunt end

8 2 P 03_ - 90

- **8** = 8 = MINI-SYNC™ cordset
9 = MICRO-SYNC™ Dual Keyway (AC) cordset
2 = MICRO-SYNC™ Single Keyway (DC) cordset with plastic nut
3 = MICRO-SYNC™ Single Keyway (DC) cordset with metal nut
- **2** = Number of Poles
- **P** = Device Type
P = Plug
S = Socket
- **03_** = Overall Length

MINI-SYNC™ MICRO-SYNC™ AC	DC
03 = 3 ft./0.91 m	01 = 1m/3.3ft.
06 = 6 ft./1.83 m	02 = 2m/6.6 ft.
12 = 12 ft./3.66m	04 = 4m/13.1 ft.
15 = 15 ft./4.57m	05 = 5m/16.4 ft.
20 = 20 ft./6.10m	

- **-** = X = External Threads (straight fittings only)
SS = Stainless Steel Coupling Nut
B = Braided Cable
D = EMI/RFI Shielded
- **90** = 90 = 90° Fitting
Blank = Straight Fitting

Cordset Assemblies with devices on both ends

8 2 P_ 2 P 03_ - 9 9

- **8** = 8 = MINI-SYNC™ cordset
9 = MICRO-SYNC™ Dual Keyway cordset
2 = MICRO-SYNC™ Single Keyway cordset with plastic nut
3 = MICRO-SYNC™ Single Keyway cordset with metal nut
- **2** = First Device Number of Poles
- **P_** = First Device
P = Plug
S = Socket
- **2** = X = External Threads on first device (straight fittings only)
- **P** = Second Device Number of Poles
Second Device
P = Plug
S = Socket
- **03_** = Overall Length

MINI-SYNC™ MICRO-SYNC™ AC	DC
03 = 3 ft./0.91 m	01 = 1m/3.3ft.
06 = 6 ft./1.83 m	02 = 2m/6.6 ft.
12 = 12 ft./3.66m	04 = 4m/13.1 ft.
15 = 15 ft./4.57m	05 = 5m/16.4 ft.
20 = 20 ft./6.10m	

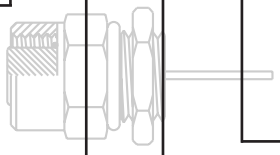
- **-** = X = External Threads on both devices (straight fittings only)
SS = Stainless Steel Coupling Nut
D = EMI/RFI Shielded
- **9** = Second Device
9 = 90° Fitting
0 = Straight Fitting
- **9** = First Device
9 = 90° Fitting
0 = Straight Fitting

Note: When "D" is included in a catalog number; it indicates that the device is EMI/RFI Shielded

Receptacles

8	R	6	P	D

- 8 = MINI-SYNC™ Receptacle
  9 = MICRO-SYNC™ Dual Keyway Receptacle
  2 = MICRO-SYNC™ Single Keyway Receptacle
  3 = MICRO-SYNC™ Single Keyway Receptacle
- R = Receptacle
- Number of Poles
- P = Plug
  S = Socket
- D = EMI/RFI Shielded (Optional)
  Blank = Not Shielded

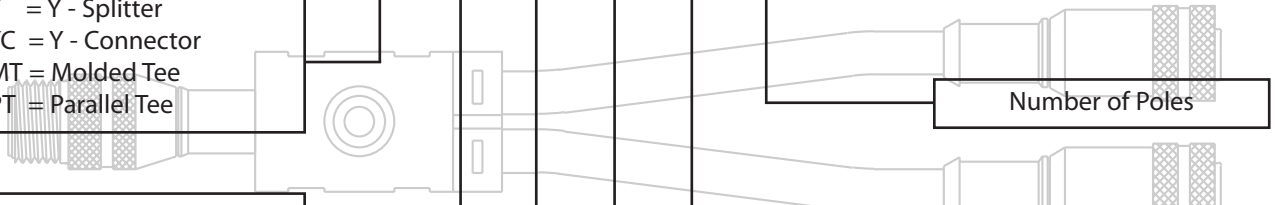


Y-Splitters and Y-Connectors

Primary Side | Secondary Side

9	Y	4	P	4	S	4	S	01

- 8 = MINI-SYNC™ Device
  9 = MICRO-SYNC™ Dual Keyway Device
- Y = Y - Splitter
  YC = Y - Connector
  MT = Molded Tee
  PT = Parallel Tee
- Number of Poles
- P = Plug
  S = Socket
- Overall Length (Feet)
- S = Socket
- Number of Poles
- S = Socket
- Number of Poles



Visibly the Best
ERICSON®
safety electrical specialties

NEW!

MINI-SYNC™ SPECIFICATIONS

ELECTRICAL RATING:
VOLTAGE: 600v

CABLE ASSEMBLIES:
COUPLING NUT: Anodized Aluminum
CONTACTS: Copper Alloy, Gold - Plated
INSERT: Polyurethane
MOLDED HEADS: Polyurethane for straight connectors PVC for 90° Right angle connectors
CABLE: 16 AWG: PVC Insulated, fine stranded copper conductors, yellow oil resistant PVC jacketed 600V, STO, 105°C. UL Recognized, CSA Certified

PANEL MOUNT ASSEMBLIES:
SHELLS: Anodized Aluminum
CONTACTS: Copper Alloy, Gold - Plated
INSERTS: Ethylene propylene thermoplastic rubber "Santoprene"
WIRE: 16 AWG PVC Insulated, 600V. UL Recognized, CSA Certified

ENVIRONMENTAL:
PROTECTION: NEMA 6P, IP67 & IP68
OPERATING AMBIENT: -20° to 80°C.

CERTIFICATIONS:
UL: UL Recognized
CSA: CSA Certified

EMI / RFI SHIELDING:
MEETS OR EXCEEDS IEC DIRECTIVES:

IEC 1000-4-2	ESD, 5KV to 15KV in 2.5KV Steps
IEC 1000-4-3	RFI Immunity, 10V/m
IEC 1000-4-4	Fast Transient, 2K
IEC 1000-4-5	Surge, DC Immunity, 3.1KV
EN50141	Induced RF Immunity, 10V/m

Standard Panel Mounts:
- 22AWG, 80C, 600V, PVC Hookup Wire
- EPTR "Santoprene" Insert
- Lead Length 12 in.
- Epoxy Filled

Standard Cable Assemblies:
- 16 AWG, PVC Yellow Jacketed Cable
- Polyurethane Insert
- Polyurethane (Straight) and PVC (90° Right Angle) Overmold
- Standard Length 3', 6', 12', 15', and 20'.
  OPTIONS
  – 16 AWG, Polyurethane Yellow Jacketed Cable (for polyurethane cable add suffix "U")
  – 16 AWG, PVC & Polyurethane Yellow Jacketed Shielded Cable (for Shielded Cable add suffix "D")
  – Lengths other than standard

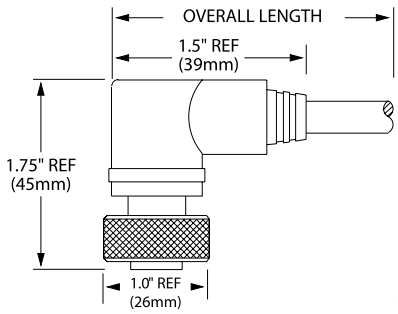
Y Splitter Assemblies:
- 18 AWG, Polyurethane Yellow Jacketed Cable
- Polyurethane Insert
- Polyurethane Overmold

Parallel Tee Connector:
- 18 AWG Hookup Wire
- Polyurethane Insert
- Polyurethane Overmold

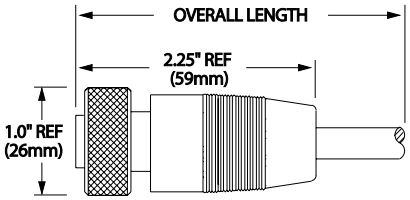
Molded Tee Connector With Cable:
- 18 AWG, Polyurethane Yellow Jacketed Cable
- Polyurethane Insert
- Polyurethane Overmold

Terminator:
- Resistor 1/4 Watt 121 Ohm 1%
- Polyurethane Insert
- Polyurethane Overmold

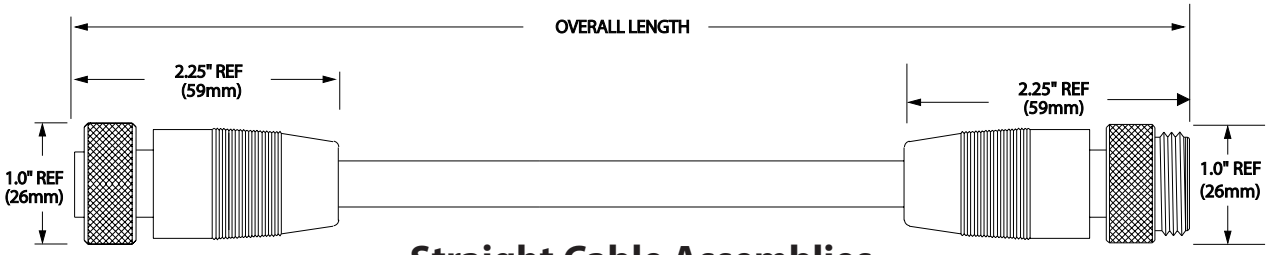
Male/Female 90°



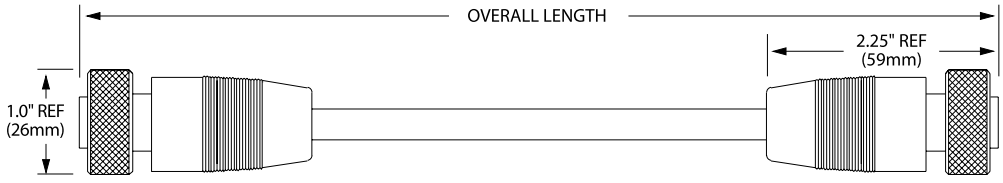
Male/Female Straight



Male/Female Extension Sets

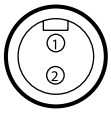
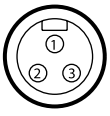
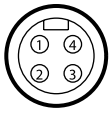


Straight Cable Assemblies



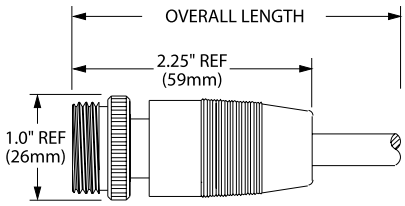
Devices with #16 AWG STO Cable

NEW!

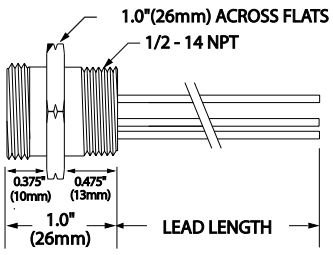
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male Straight	Male 90°	Female Straight	Female 90°	Male/Female Straight	Male/Female Extension Set
2 13A 600V		1-White 2-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	82P03 82P06 82P12 82P15 82P20	82P03-90 82P06-90 82P12-90 82P15-90 82P20-90	82S03 82S06 82S12 82S15 82S20	82S03-90 82S06-90 82S12-90 82S15-90 82S20-90	82P2S03 82P2S06 82P2S12 82P2S15 82P2S20	82PX2S03 82PX2S06 82PX2S12 82PX2S15 82PX2S20
3 13A 600V		1-Green 2-Black 3-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	83P03 83P06 83P12 83P15 83P20	83P03-90 83P06-90 83P12-90 83P15-90 83P20-90	83S03 83S06 83S12 83S15 83S20	83S03-90 83S06-90 83S12-90 83S15-90 83S20-90	83P3S03 83P3S06 83P3S12 83P3S15 83P3S20	83PX3S03 83PX3S06 83PX3S12 83PX3S15 83PX3S20
4 10A 600V		1-Black 2-White 3-Red 4-Green	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	84P03 84P06 84P12 84P15 84P20	84P03-90 84P06-90 84P12-90 84P15-90 84P20-90	84S03 84S06 84S12 84S15 84S20	84S03-90 84S06-90 84S12-90 84S15-90 84S20-90	84P4S03 84P4S06 84P4S12 84P4S15 84P4S20	84PX4S03 84PX4S06 84PX4S12 84PX4S15 84PX4S20
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	85P03 85P06 85P12 85P15 85P20	85P03-90 85P06-90 85P12-90 85P15-90 85P20-90	85S03 85S06 85S12 85S15 85S20	85S03-90 85S06-90 85S12-90 85S15-90 85S20-90	85P5S03 85P5S06 85P5S12 85P5S15 85P5S20	85PX5S03 85PX5S06 85PX5S12 85PX5S15 85PX5S20
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	86P03 86P06 86P12 86P15 86P20	86P03-90 86P06-90 86P12-90 86P15-90 86P20-90	86S03 86S06 86S12 86S15 86S20	86S03-90 86S06-90 86S12-90 86S15-90 86S20-90	86P6S03 86P6S06 86P6S12 86P6S15 86P6S20	86PX6S03 86PX6S06 86PX6S12 86PX6S15 86PX6S20

1. For custom lengths consult factory.
2. For EMI/RFI Shielded Assemblies, refer to page 163.
3. On Male/Female extension sets, Male plug has external threads, Female has internal threads.

Straight External Threads

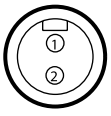
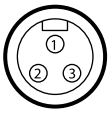
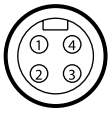


Receptacle



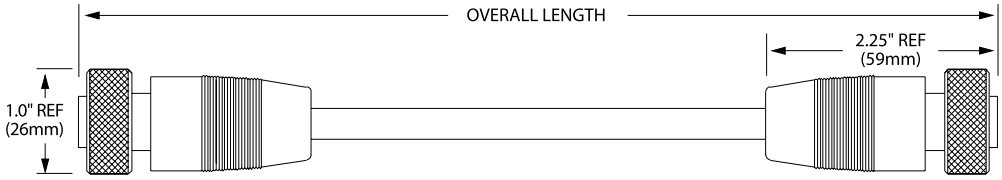
Devices with #16 AWG STO Cable

NEW!

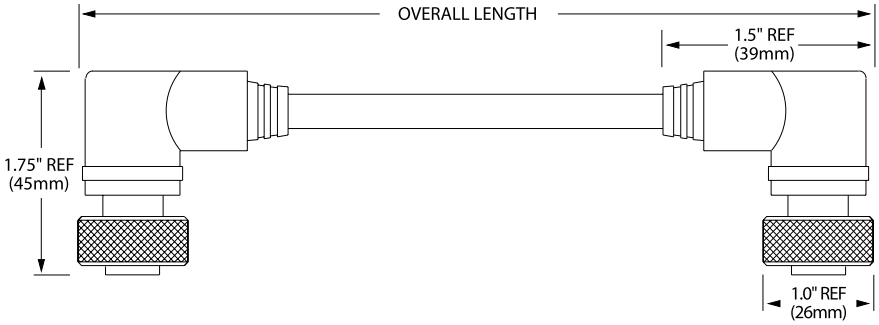
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male Straight External Threads	Female Straight External Threads	Male Receptacle 12 in. Leads	Female Receptacle 12 in. Leads
2 13A 600V		1-White 2-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	82P03X 82P06X 82P12X 82P15X 82P20X	82S03X 82S06X 82S12X 82S15X 82S20X	8R2P	8R2S
3 13A 600V		1-Green 2-Black 3-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	83P03X 83P06X 83P12X 83P15X 83P20X	83S03X 83S06X 83S12X 83S15X 83S20X	8R3P	8R3S
4 10A 600V		1-Black 2-White 3-Red 4-Green	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	84P03X 84P06X 84P12X 84P15X 84P20X	84S03X 84S06X 84S12X 84S15X 84S20X	8R4P	8R4S
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	85P03X 85P06X 85P12X 85P15X 85P20X	85S03X 85S06X 85S12X 85S15X 85S20X	8R5P	8R5S
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	86P03X 86P06X 86P12X 86P15X 86P20X	86S03X 86S06X 86S12X 86S15X 86S20X	8R6P	8R6S

1. For custom lengths consult factory.
2. For EMI/RFI Shielded Assemblies, refer to page 163.

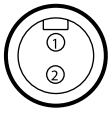
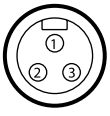
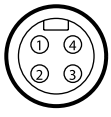
Straight Cable Assemblies



90° Cable Assemblies

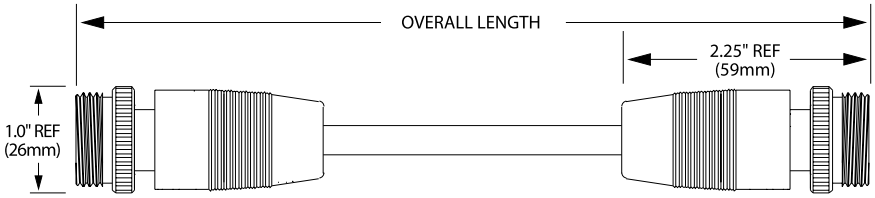


Devices with #16 AWG STO Cable NEW!

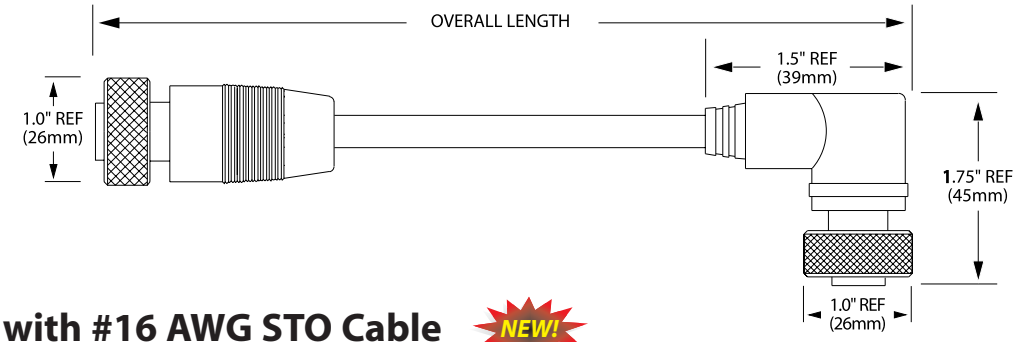
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Female 90°	Male/Male Straight	Male/Male 90°	Female/Female Straight	Female/Female 90°
2 13A 600V		1-White 2-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	82P2S03-99 82P2S06-99 82P2S12-99 82P2S15-99 82P2S20-99	82P2P03 82P2P06 82P2P12 82P2P15 82P2P20	82P2P03-99 82P2P06-99 82P2P12-99 82P2P15-99 82P2P20-99	82S2S03 82S2S06 82S2S12 82S2S15 82S2S20	82S2S03-99 82S2S06-99 82S2S12-99 82S2S15-99 82S2S20-99
3 13A 600V		1-Green 2-Black 3-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	83P3S03-99 83P3S06-99 83P3S12-99 83P3S15-99 83P3S20-99	83P3P03 83P3P06 83P3P12 83P3P15 83P3P20	83P3P03-99 83P3P06-99 83P3P12-99 83P3P15-99 83P3P20-99	83S3S03 83S3S06 83S3S12 83S3S15 83S3S20	83S3S03-99 83S3S06-99 83S3S12-99 83S3S15-99 83S3S20-99
4 10A 600V		1-Black 2-White 3-Red 4-Green	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	84P4S03-99 84P4S06-99 84P4S12-99 84P4S15-99 84P4S20-99	84P4P03 84P4P06 84P4P12 84P4P15 84P4P20	84P4P03-99 84P4P06-99 84P4P12-99 84P4P15-99 84P4P20-99	84S4S03 84S4S06 84S4S12 84S4S15 84S4S20	84S4S03-99 84S4S06-99 84S4S12-99 84S4S15-99 84S4S20-99
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	85P5S03-99 85P5S06-99 85P5S12-99 85P5S15-99 85P5S20-99	85P5P03 85P5P06 85P5P12 85P5P15 85P5P20	85P5P03-99 85P5P06-99 85P5P12-99 85P5P15-99 85P5P20-99	85S5S03 85S5S06 85S5S12 85S5S15 85S5S20	85S5S03-99 85S5S06-99 85S5S12-99 85S5S15-99 85S5S20-99
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	86P6S03-99 86P6S06-99 86P6S12-99 86P6S15-99 86P6S20-99	86P6P03 86P6P06 86P6P12 86P6P15 86P6P20	86P6P03-99 86P6P06-99 86P6P12-99 86P6P15-99 86P6P20-99	86S6S03 86S6S06 86S6S12 86S6S15 86S6S20	86S6S03-99 86S6S06-99 86S6S12-99 86S6S15-99 86S6S20-99

1. For custom lengths consult factory.
2. For EMI/RFI Shielded Assemblies, refer to page 163.

Straight Cable Assemblies with External Threads

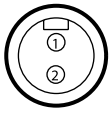
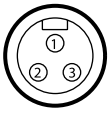
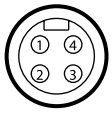


Straight to 90° Cable Assemblies with External Threads



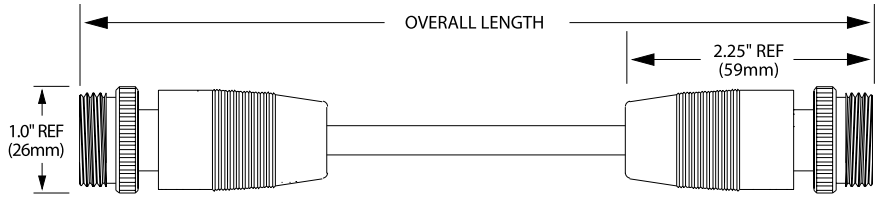
Devices with #16 AWG STO Cable

NEW!

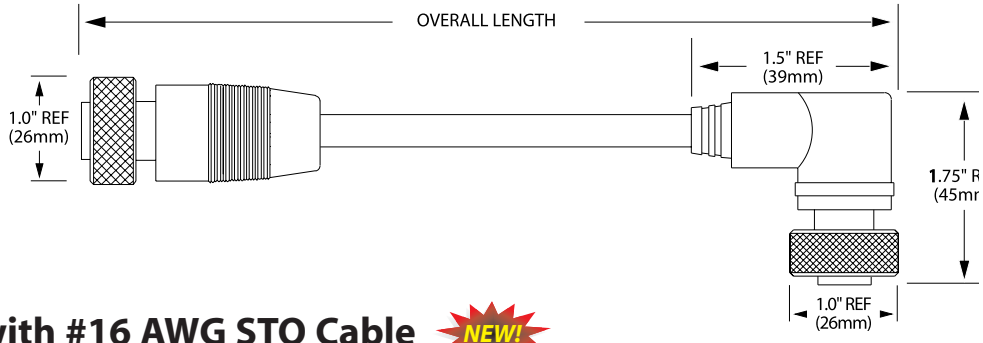
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Female Straight	Male/Female Straight to 90°	Female/Male Straight to 90°
2 13A 600V		1-White 2-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	82P2S03X 82P2S06X 82P2S12X 82P2S15X 82P2S20X	82P2S03-09 82P2S06-09 82P2S12-09 82P2S15-09 82P2S20-09	82S2P03-09 82S2P06-09 82S2P12-09 82S2P15-09 82S2P20-09
3 13A 600V		1-Green 2-Black 3-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	83P3S03X 83P3S06X 83P3S12X 83P3S15X 83P3S20X	83P3S03-09 83P3S06-09 83P3S12-09 83P3S15-09 83P3S20-09	83S3P03-09 83S3P06-09 83S3P12-09 83S3P15-09 83S3P20-09
4 10A 600V		1-Black 2-White 3-Red 4-Green	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	84P4S03X 84P4S06X 84P4S12X 84P4S15X 84P4S20X	84P4S03-09 84P4S06-09 84P4S12-09 84P4S15-09 84P4S20-09	84S4P03-09 84S4P06-09 84S4P12-09 84S4P15-09 84S4P20-09
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	85P5S03X 85P5S06X 85P5S12X 85P5S15X 85P5S20X	85P5S03-09 85P5S06-09 85P5S12-09 85P5S15-09 85P5S20-09	85S5P03-09 85S5P06-09 85S5P12-09 85S5P15-09 85S5P20-09
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	86P6S03X 86P6S06X 86P6S12X 86P6S15X 86P6S20X	86P6S03-09 86P6S06-09 86P6S12-09 86P6S15-09 86P6S20-09	86S6P03-09 86S6P06-09 86S6P12-09 86S6P15-09 86S6P20-06

1. For custom lengths consult factory.
2. For EMI/RFI Shielded Assemblies, refer to page 163.

Straight Cable Assemblies with External Threads

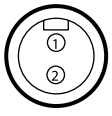
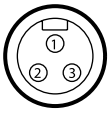


Straight to 90° Cable Assemblies with External Threads



Devices with #16 AWG STO Cable

NEW!

Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Male Straight	Male/Male Straight to 90°	Female/Female Straight to 90°
2 13A 600V		1-White 2-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	82P2P03X 82P2P06X 82P2P12X 82P2P15X 82P2P20X	82P2P03-09 82P2P06-09 82P2P12-09 82P2P15-09 82P2P20-09	82S2S03-09 82S2S06-09 82S2S12-09 82S2S15-09 82S2S20-09
3 13A 600V		1-Green 2-Black 3-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	83P3P03X 83P3P06X 83P3P12X 83P3P15X 83P3P20X	83P3P03-09 83P3P06-09 83P3P12-09 83P3P15-09 83P3P20-09	83S3S03-09 83S3S06-09 83S3S12-09 83S3S15-09 83S3S20-09
4 10A 600V		1-Black 2-White 3-Red 4-Green	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	84P4P03X 84P4P06X 84P4P12X 84P4P15X 84P4P20X	84P4P03-09 84P4P06-09 84P4P12-09 84P4P15-09 84P4P20-09	84S4S03-09 84S4S06-09 84S4S12-09 84S4S15-09 84S4S20-09
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	85P5P03X 85P5P06X 85P5P12X 85P5P15X 85P5P20X	85P5P03-09 85P5P06-09 85P5P12-09 85P5P15-09 85P5P20-09	85S5S03-09 85S5S06-09 85S5S12-09 85S5S15-09 85S5S20-09
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	86P6P03X 86P6P06X 86P6P12X 86P6P15X 86P6P20X	86P6P03-09 86P6P06-09 86P6P12-09 86P6P15-09 86P6P20-09	86S6S03-09 86S6S06-09 86S6S12-09 86S6S15-09 86S6S20-09

1. For custom lengths consult factory.
2. For EMI/RFI Shielded Assemblies, refer to page 163.

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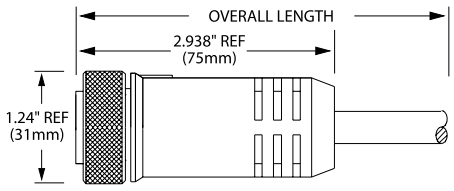
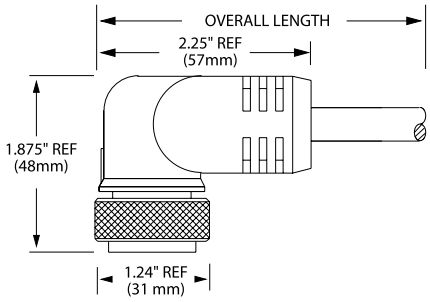
MINI-SYNC™

Plugs, Sockets & Cable Assemblies

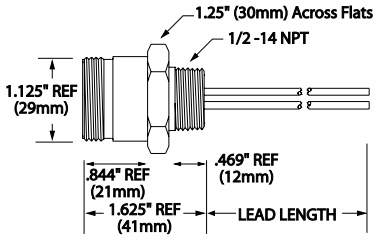
Straight Plugs



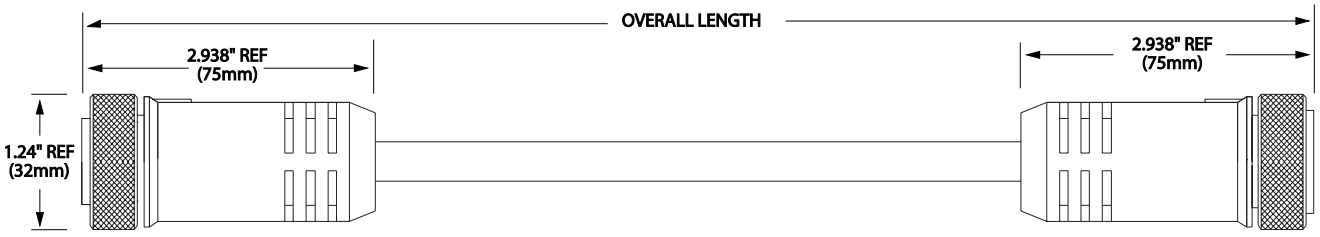
90° Plugs



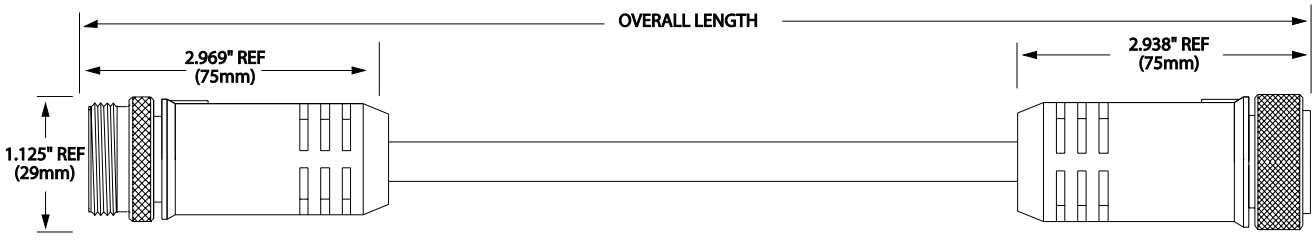
Receptacles



Straight Cable Assembly



Male/Female Extension Set

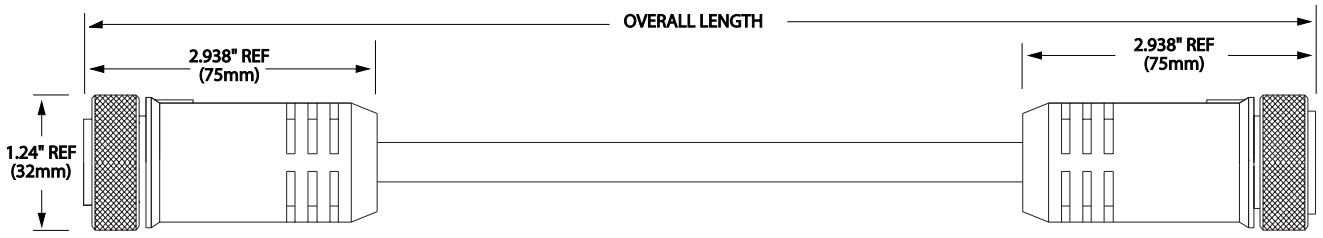


Devices with #16 AWG STO Cable NEW!

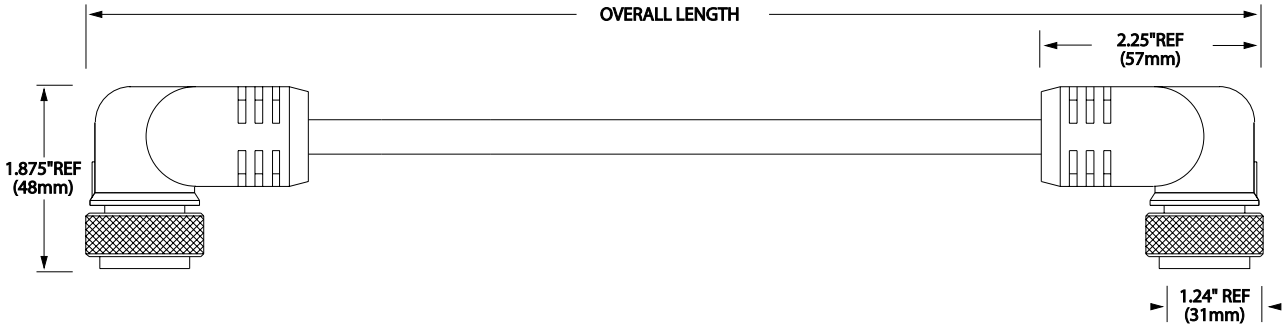
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male Straight	Male 90°	Female Straight	Female 90°	Male/Female Straight	Male/Female Extension Set	Male Recep.	Female Recep.
9 7A 600V		1-Orange 2-Blue 3-Red-Blk.Tr. 4-Green-Blk.Tr. 5-White 6-Red 7-Green 8-White-Blk.Tr. 9-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	89P03 89P06 89P12 89P15 89P20	89P03-90 89P06-90 89P12-90 89P15-90 89P20-90	89S03 89S06 89S12 89S15 89S20	89S03-90 89S06-90 89S12-90 89S15-90 89S20-90	89P9S03 89P9S06 89P9S12 89P9S15 89P9S20	89PX9S03 89PX9S06 89PX9S12 89PX9S15 89PX9S20	8R9P	8R9S
10 7A 600V		1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Red 8-Green 9-Black 10-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	810P03 810P06 810P12 810P15 810P20	810P03-90 810P06-90 810P12-90 810P15-90 810P20-90	810S03 810S06 810S12 810S15 810S20	810S03-90 810S06-90 810S12-90 810S15-90 810S20-90	810P10S03 810P10S06 810P10S12 810P10S15 810P10S20	810PX10S03 810PX10S06 810PX10S12 810PX10S15 810PX10S20	8R10P	8R10S
12 7A 600V		1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Blue-Blk.Tr. 8-Black-Wht.Tr. 9-Green 10-Red 11-White 12-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	812P03 812P06 812P12 812P15 812P20	812P03-90 812P06-90 812P12-90 812P15-90 812P20-90	812S03 812S06 812S12 812S15 812S20	812S03-90 812S06-90 812S12-90 812S15-90 812S20-90	812P12S03 812P12S06 812P12S12 812P12S15 812P12S20	812PX12S03 812PX12S06 812PX12S12 812PX12S15 812PX12S20	8R12P	8R12S

1. For custom lengths consult factory.
2. For EMI/RFI Shielded Assemblies, refer to page 163.
3. On Male/Female extension sets, Male plug has external threads, Female has internal threads.

Straight Cable Assembly



90° Cable Assembly



Devices with #16 AWG STO Cable

NEW!

Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Female 90°	Male/Male Straight	Male/Male 90°	Female/Female Straight	Female/Female 90°
9 7A 600V		1-Orange 2-Blue 3-Red-Blk.Tr. 4-Green-Blk.Tr. 5-White 6-Red 7-Green 8-White-Blk.Tr. 9-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	89P9S03-99 89P9S06-99 89P9S12-99 89P9S15-99 89P9S20-99	89P9P03 89P9P06 89P9P12 89P9P15 89P9P20	89P9P03-99 89P9P06-99 89P9P12-99 89P9P15-99 89P9P20-99	89S9S03 89S9S06 89S9S12 89S9S15 89S9S20	89S9S03-99 89S9S06-99 89S9S12-99 89S9S15-99 89S9S20-99
10 7A 600V		1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Red 8-Green 9-Black 10-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	810P10S03-99 810P10S06-99 810P10S12-99 810P10S15-99 810P10S20-99	810P10P03 810P10P06 810P10P12 810P10P15 810P10P20	810P10P03-99 810P10P06-99 810P10P12-99 810P10P15-99 810P10P20-99	810S10S03 810S10S06 810S10S12 810S10S15 810S10S20	810S10S03-99 810S10S06-99 810S10S12-99 810S10S15-99 810S10S20-99
12 7A 600V		1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Blue-Blk.Tr. 8-Black-Wht.Tr. 9-Green 10-Red 11-White 12-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	812P12S03-99 812P12S06-99 812P12S12-99 812P12S15-99 812P12S20-99	812P12P03 812P12P06 812P12P12 812P12P15 812P12P20	812P12P03-99 812P12P06-99 812P12P12-99 812P12P15-99 812P12P20-99	812S12S03 812S12S06 812S12S12 812S12S15 812S12S20	812S12S03-99 812S12S06-99 812S12S12-99 812S12S15-99 812S12S20-99

1. For custom lengths consult factory.

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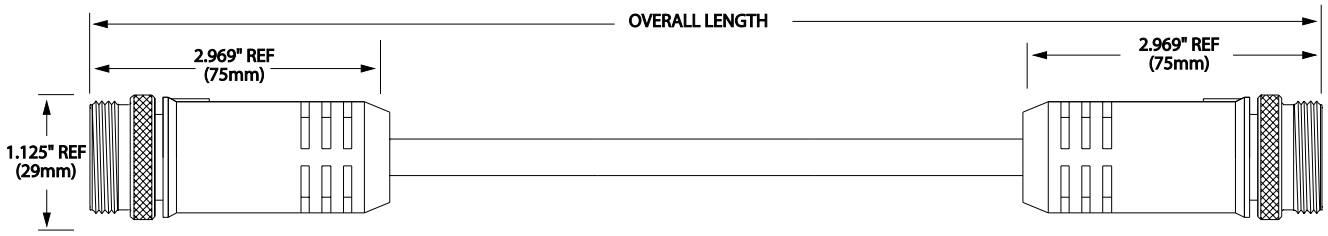
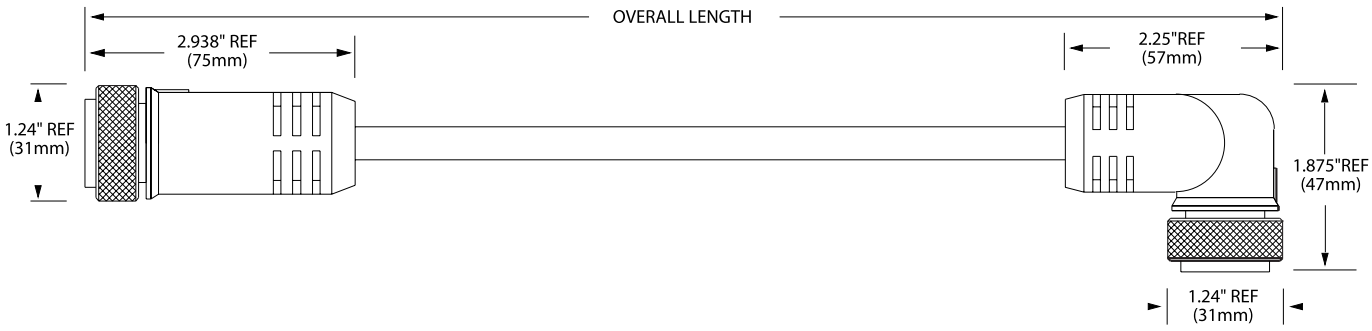
Straight Cable Assembly with External Threads



Straight to 90° Cable Assembly



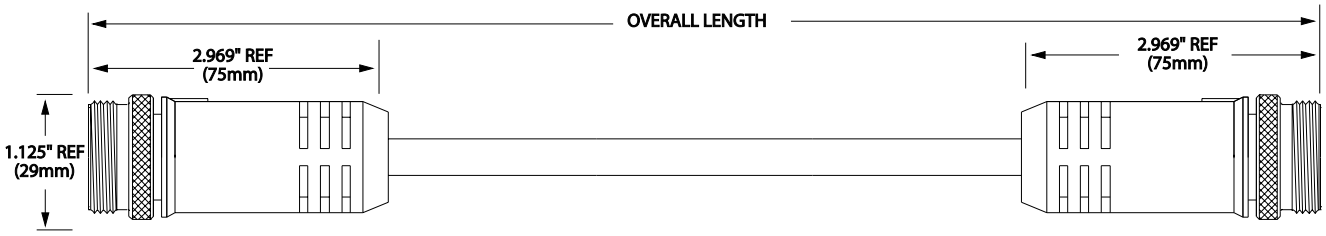
Devices with #16 AWG STO Cable

NEW!

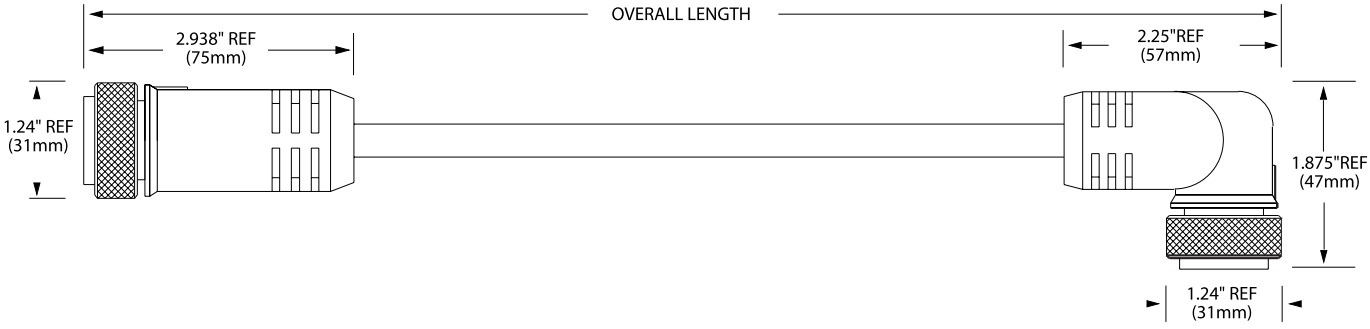
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Female Straight External Threads	Male/Female Straight to 90°
9 7A 600V		1-Orange 2-Blue 3-Red-Blk.Tr. 4-Green-Blk.Tr. 5-White 6-Red 7-Green 8-White-Blk.Tr. 9-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	89P9S03X 89P9S06X 89P9S12X 89P9S15X 89P9S20X	89P9S03-09 89P9S06-09 89P9S12-09 89P9S15-09 89P9S20-09
10 7A 600V		1-Orange 2-Blue 3-White-Blk-Tr 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Red 8-Green 9-Black 10-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	810P10S03X 810P10S06X 810P10S12X 810P10S15X 810P10S20X	810P10S03-09 810P10S06-09 810P10S12-09 810P10S15-09 810P10S20-09
12 7A 600V		1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Blue-Blk.Tr. 8-Black-Wht.Tr. 9-Green 10-Red 11-White 12-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	812P12S03X 812P12S06X 812P12S12X 812P12S15X 812P12S20X	812P12S03-09 812P12S06-09 812P12S12-09 812P12S15-09 812P12S20-09

1. For custom lengths consult factory.

Straight Cable Assembly with External Threads



Straight to 90° Cable Assembly



Devices with #16 AWG STO Cable

NEW!

Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Female/Male Straight to 90°	Male/Male Straight External Threads	Male/Male Straight to 90°	Female/Female Straight to 90°
9 7A 600V		1-Orange 2-Blue 3-Red-Blk.Tr. 4-Green-Blk.Tr. 5-White 6-Red 7-Green 8-White-Blk.Tr. 9-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	89S9P03-09 89S9P06-09 89S9P12-09 89S9P15-09 89S9P20-09	89P9P03X 89P9P06X 89P9P12X 89P9P15X 89P9P20X	89P9P03-09 89P9P06-09 89P9P12-09 89P9P15-09 89P9P20-09	89S9S03-09 89S9S06-09 89S9S12-09 89S9S15-09 89S9S20-09
10 7A 600V		1-Orange 2-Blue 3-White-Blk-Tr 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Red 8-Green 9-Black 10-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	810S10P03-09 810S10P06-09 810S10P12-09 810S10P15-09 810S10P20-09	810P10P03X 810P10P06X 810P10P12X 810P10P15X 810P10P20X	810P10P03-09 810P10P06-09 810P10P12-09 810P10P15-09 810P10P20-09	810S10S03-09 810S10S06-09 810S10S12-09 810S10S15-09 810S10S20-09
12 7A 600V		1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Blue-Blk.Tr. 8-Black-Wht.Tr. 9-Green 10-Red 11-White 12-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	812S12P03-09 812S12P06-09 812S12P12-09 812S12P15-09 812S12P20-09	812P12P03X 812P12P06X 812P12P12X 812P12P15X 812P12P20X	812P12P03-09 812P12P06-09 812P12P12-09 812P12P15-09 812P12P20-09	812S12S03-09 812S12S06-09 812S12S12-09 812S12S15-09 812S12S20-09

1. For custom lengths consult factory.

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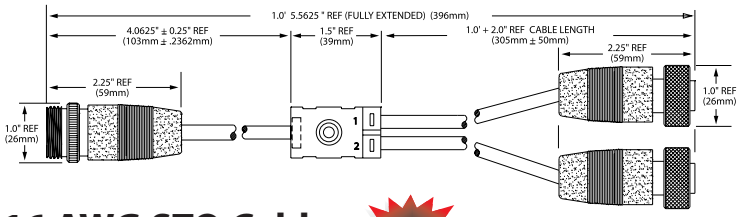
MINI-SYNC™

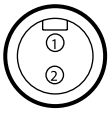
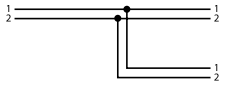
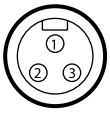
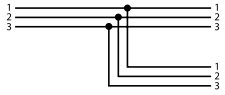
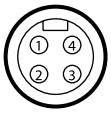
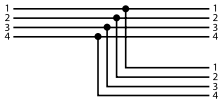
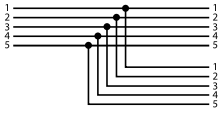
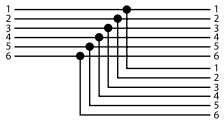
Y-Splitters & Terminators

Y-Splitter



Devices with #16 AWG STO Cable

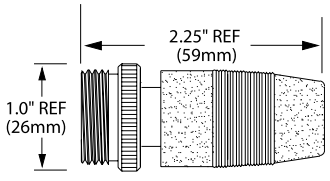
NEW!

Poles & Rating	Faceview Male	Wiring Code	Wiring Diagram	Cable Length (ft./m)	Y-Splitter Male/Female/Female	Y-Splitter Female/Female/Female
2 13A 600V		1-White 2-Black		12″	8Y2P2S2S01	8Y2S2S2S01
3 13A 600V		1-Green 2-Black 3-White		12″	8Y3P3S3S01	8Y3S3S3S01
4 10A 600V		1-Black 2-White 3-Red 4-Green		12″	8Y4P4S4S01	8Y4S4S4S01
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black		12″	8Y5P5S5S01	8Y5S5S5S01
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue		12″	8Y6P6S6S01	8Y6S6S6S01

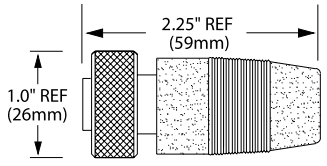
1. For custom lengths and configurations consult factory.

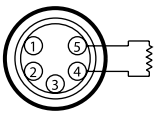
MINI-SYNC™ Male Terminator

NEW!



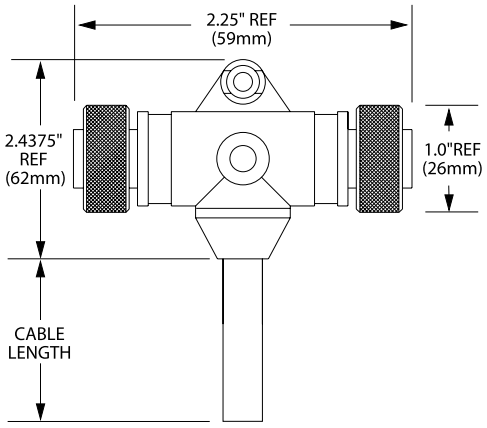
MINI-SYNC™ Female Terminator



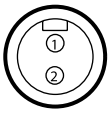
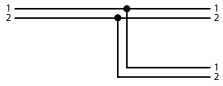
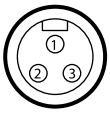
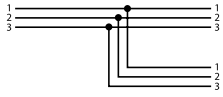
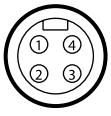
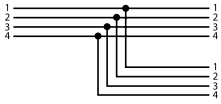
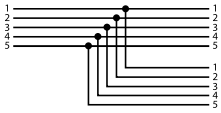
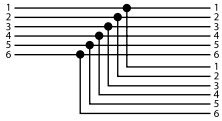
Poles & Rating	Faceview Male	Male Terminator[1]	Female Terminator[1]
5 8A 600V		85P	85S

1. Terminators with solder terminals
2. For custom configurations consult factory.

Molded Tee



Devices with #16 AWG STO Cable NEW!

Poles & Rating	Faceview Male	Wiring Code	Wiring Diagram	Cable Length (ft./m)	Molded Tee Connector with Cable	
					Male/Female	Female/Female
2 13A 600V		1-White 2-Black		3 ft./0.91m	8MT2P2S03	8MT2S2S03
3 13A 600V		1-Green 2-Black 3-White		3 ft./0.91m	8MT3P3S03	8MT3S3S03
4 10A 600V 4-Green		1-Black 2-White 3-Red		3 ft./0.91m	8MT4P4S03	8MT4S4S03
5 8A 600V 4-Orange		1-White 2-Red 3-Green 5-Black		3 ft./0.91m	8MT5P5S03	8MT5S5S03
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue		3ft./0.91m	8MT6P6S03	8MT6S6S03

1. For custom lengths and configurations consult factory.

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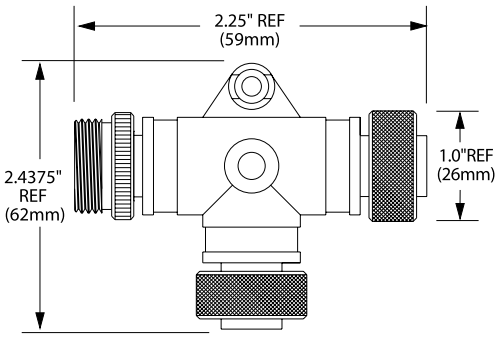
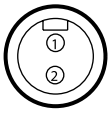
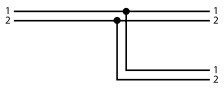
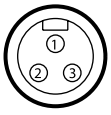
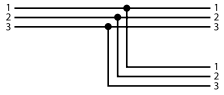
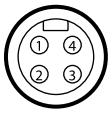
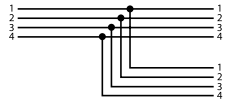
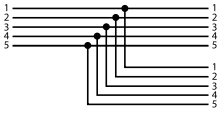
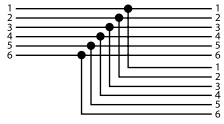
ERICSON®
safety electrical specialties

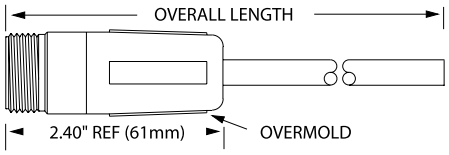
Parallel Tee



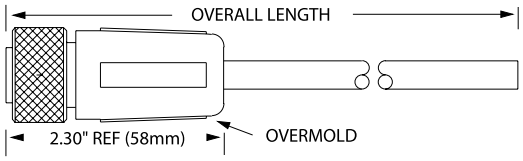
Devices with #16 AWG STO Cable NEW!

Poles & Rating	Faceview Male	Wiring Code	Wiring Diagram	Parallel Tee Connector	
				Male/Female	Female/Female
2 13A 600V		1-White 2-Black		8PT2P2S2S	8PT2S2S2S
3 13A 600V		1-Green 2-Black 3-White		8PT3P3S3S	8PT3S3S3S
4 10A 600V 4-Green		1-Black 2-White 3-Red		8PT4P4S4S	8PT4S4S4S
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black		8PT5P5S5S	8PT5S5S5S
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue		8PT6P6S6S	8PT6S6S6S

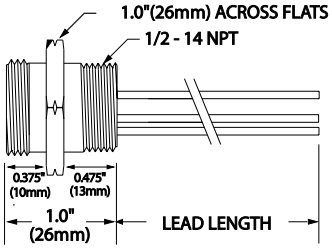
Male Straight



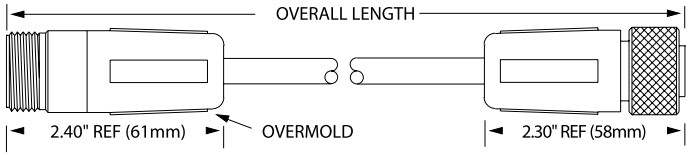
Female Straight



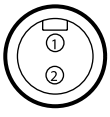
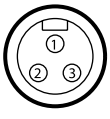
Receptacle



Male/Female Straight



Devices with #16 AWG STO Cable NEW!

Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male Straight	Female Straight	Male/Female Straight	Male Receptacle
2 13A 600V		1-White 2-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	82P03D 82P06D 82P12D 82P15D 82P20D	82S03D 82S06D 82S12D 82S15D 82S20D	82P2S03D 82P2S06D 82P2S12D 82P2S15D 82P2S20D	8R2PD
3 13A 600V		1-Green 2-Black 3-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	83P03D 83P06D 83P12D 83P15D 83P20D	83S03D 83S06D 83S12D 83S15D 83S20D	83P3S03D 83P3S06D 83P3S12D 83P3S15D 83P3S20D	8R3PD
4 10A 600V		1-Black 2-White 3-Red 4-Green	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	84P03D 84P06D 84P12D 84P15D 84P20D	84S03D 84S06D 84S12D 84S15D 84S20D	84P4S03D 84P4S06D 84P4S12D 84P4S15D 84P4S20D	8R4PD
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	85P03D 85P06D 85P12D 85P15D 85P20D	85S03D 85S06D 85S12D 85S15D 85S20D	85P5S03D 85P5S06D 85P5S12D 85P5S15D 85P5S20D	8R5PD
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	86P03D 86P06D 86P12D 86P15D 86P20D	86S03D 86S06D 86S12D 86S15D 86S20D	86P6S03D 86P6S06D 86P6S12D 86P6S15D 86P6S20D	8R6PD

1. Consult factory for product availability.

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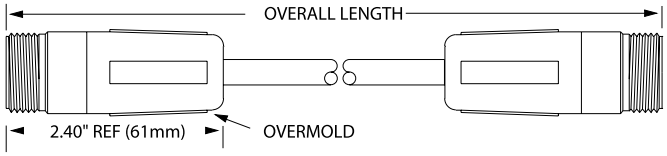
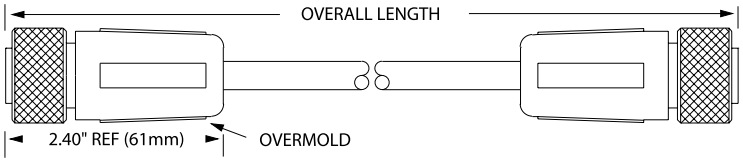
MINI-SYNC™

EMI/RFI Shielded Devices

Male/Male Straight

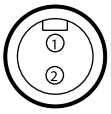
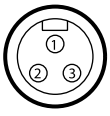
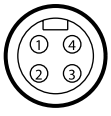


Female/Female Straight



Devices with #16 AWG STO Cable

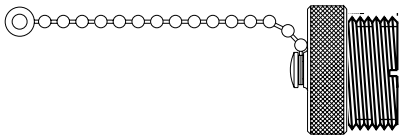
NEW!

Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Male Straight	Female/Female Straight
2 13A 600V		1-White 2-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	82P2P03D 82P2P06D 82P2P12D 82P2P15D 82P2P20D	82S2S03D 82S2S06D 82S2S12D 82S2S15D 82S2S20D
3 13A 600V		1-Green 2-Black 3-White	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	83P3P03D 83P3P06D 83P3P12D 83P3P15D 83P3P20D	83S3S03D 83S3S06D 83S3S12D 83S3S15D 83S3S20D
4 10A 600V		1-Black 2-White 3-Red 4-Green	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	84P4P03D 84P4P06D 84P4P12D 84P4P15D 84P4P20D	84S4S03D 84S4S06D 84S4S12D 84S4S15D 84S4S20D
5 8A 600V		1-White 2-Red 3-Green 4-Orange 5-Black	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	85P5P03D 85P5P06D 85P5P12D 85P5P15D 85P5P20D	85S5S03D 85S5S06D 85S5S12D 85S5S15D 85S5S20D
6 8A 600A		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	3 ft./0.91m 6 ft./1.83m 12 ft./3.66m 15 ft./4.57m 20 ft./6.10m	86P6P03D 86P6P06D 86P6P12D 86P6P15D 86P6P20D	86S6S03D 86S6S06D 86S6S12D 86S6S15D 86S6S20D

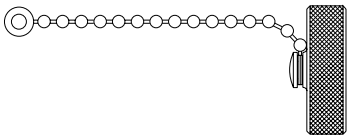
1. Consult factory for product availability.

Aluminum Closure Caps for Plugs and Receptacles

Plug Closure Cap



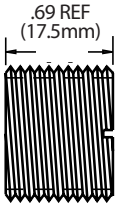
Receptacle Closure Cap



Selection Guide NEW!

For Poles:	Plugs	Receptacle
2, 3, 4, 5 and 6 Poles	826CP	826CR

Aluminum Adapter for Joining Two Cable Assemblies



Selection Guide NEW!

For Poles:	Thread	Catalog Number
2, 3, 4, 5 and 6 Poles	7/8 - 16UN-2A	826TA

MINI-SYNC™

Wiring Sequence Diagrams

Standard MINI-SYNC™ Wiring Sequence Panel Mounts and Cable Assemblies

Chart 1 INDUSTRIAL	Contact#	1	2	3	4	5	6
	Cable Conductor Color Sequence	WHT	BLK				
		GRN	BLK	WHT			
		BLK	WHT	RED	GRN		
		WHT	RED	GRN	ORG	BLK	
		WHT	RED	GRN	ORG	BLK	BLU

1	2	3	4	5	6	7	8	9	10	11	12
ORG	BLUE	RED/BLK	GRN/BLK	WHT	RED	GRN	WHT/BLK	BLK			
ORG	BLUE	WHT/BLK	RED/BLK	GRN/BLK	ORG/BLK	RED	GRN	BLK	WHT		
ORG	BLUE	WHT/BLK	RED/BLK	GRN/BLK	ORG/BLK	BLU/BLK	BLK/WHT	GRN	RED	WHT	BLK

NOTES:

MICRO-SYNC™ Devices

MICRO-SYNC™ SPECIFICATIONS

ELECTRICAL RATING

VOLTAGE: Metal / Plastic - 300V

CABLE ASSEMBLIES

COUPLING NUT: Metal - Anodized Aluminum
Plastic - Nylon
CONTACTS: Metal - Copper Alloy
Plastic - Gold - Plated
INSERT: Metal - Nylon
Plastic - Nylon
MOLDED HEADS: Metal - Polyurethane
Plastic - Polyurethane
O-RINGS: Metal - N/A
Plastic - Viton
DUAL KEYWAY CABLE: Metal / Plastic - 22 AWM: PVC insulated, fine stranded copper conductors, yellow oil resistant PVC jacketed, 300V, ST, 105ºC. UL Recognized, CSA Certified
SINGLE KEYWAY CABLE: Metal / Plastic - 22 AWM Braided: PVC insulated, metallic braid, stranded copper conductors, yellow PVC jacketed, 300V, 105ºC. UL Recognized, CSA Certified
Metal / Plastic - 22 AWM Non-Braided: PVC insulated, stranded copper conductors, yellow PVC jacketed, 300V, 90ºC. UL Recognized, CSA Certified

PANEL MOUNT ASSEMBLIES

SHELLS: Metal - Anodized Aluminum
Plastic - Anodized Aluminum
CONTACTS: Metal - Copper Alloy
Plastic - Gold - Plated
INSERTS: Metal - Nylon
Plastic - N/A
WIRE: Metal / Plastic - 22 AWG PVC insulated, 300V UL Recognized, CSA Certified

ENVIRONMENTAL

PROTECTION: Metal / Plastic - NEMA 6P, IP 67 & IP 68
OPERATING AMBIENT: Metal / Plastic - -20° to 80°C

CERTIFICATIONS

UL: Metal / Plastic - UL Recognized
cUL: Metal / Plastic - Canadian UL Recognized

Standard Panel Mounts:
- 22AWG, 80C, 300V, PVC Hookup Wire
- Polyurethane Insert
- Lead Length 12 In.
- Epoxy Filled

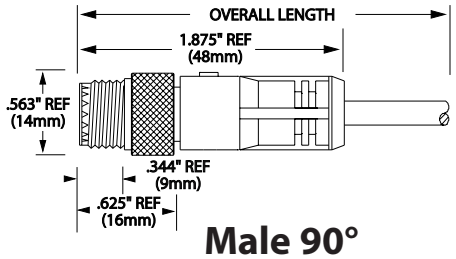
Standard AC & DC Metal:
- 22 AWG, PVC Yellow Jacketed Cable
- Nylon Insert (Black for AC, Yellow for DC)
- Polyurethane, Yellow Overmold
- Length 36, 72, and 144 In. for AC
  1, 2, and 4 Meters for DC
  OPTIONS
  – 22 AWG, Polyurethane Yellow Jacketed Cable
  (for polyurethane cable add suffix "U")
  – 22 AWG, PVC & Polyurethane Yellow Jacketed Shielded Cable
  (for Shielded Cable add suffix "D")
- Lengths other than standard

Standard DC Plastic:
- 22 AWM, PVC Yellow Jacketed Cable
- Nylon, Black Insert
- Polyurethane, Black Overmold
- Length 1, 2 and 4 Meters
  OPTIONS
  – #22 AWM, Polyurethane Yellow Jacketed Cable
  For polyurethane cable add suffix "U"
  – #22 AWM, PVC & Polyurethane Yellow
  Jacketed Shielded Cable
  For Shielded Cable add suffix "D"
- Lengths other than standard
  Y Splitter Assemblies:
- 22 AWG, Polyurethane Yellow Jacketed Cable
- Polyurethane Insert
- Polyurethane Overmold

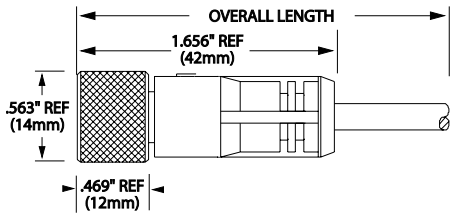
MICRO-SYNC™ Dual Keyway

AC Metal Plugs, Sockets, Receptacles & Cable Assemblies

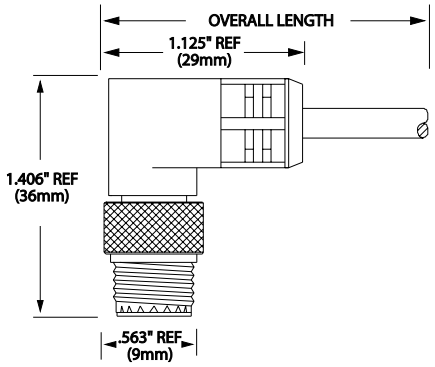
Male Straight



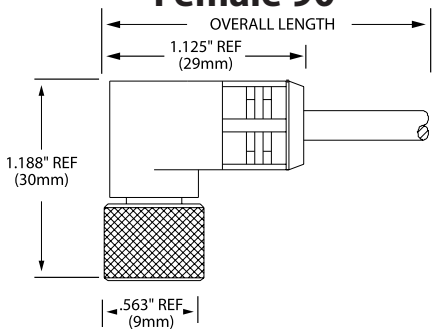
Female Straight



Male 90°

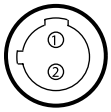
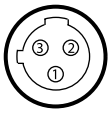
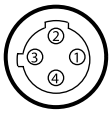
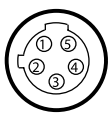


Female 90°



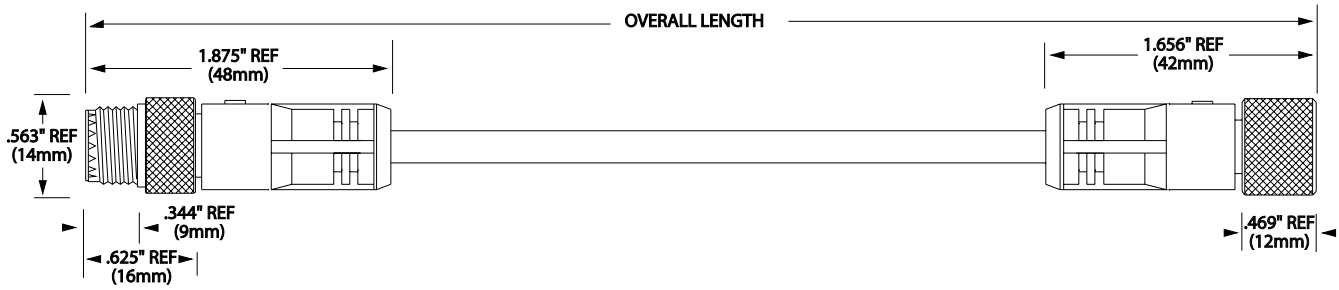
Assemblies with #22 AWG Cable

NEW!

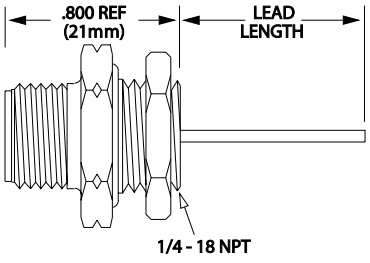
Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Male Straight	Male 90°	Female Straight	Female 90°
2 3A 300V		1-Brown 2-Blue	#22 AWG Non-Braided	6 ft./1.83 m 12 ft./3.66m 20 ft./6.10m	92P06 92P12 92P20	92P06-90 92P12-90 92P20-90	92S06 92S12 92S20	92S06-90 92S12-90 92S20-90
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	92P06B 92P12B 92P20B	92P06B-90 92P12B-90 92P20B-90	92S06B 92S12B 92S20B	92S06B-90 92S12B-90 92S20B-90
3 3A 300V		1-Green 2-Red-Blk. Tr. 3-Red-White Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93P06 93P12 93P20	93P06-90 93P12-90 93P20-90	93S06 93S12 93S20	93S06-90 93S12-90 93S20-90
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93P06B 93P12B 93P20B	93P06B-90 93P12B-90 93P20B-90	93S06B 93S12B 93S20B	93S06B-90 93S12B-90 93S20B-90
4 3A 300V		1-Red-Blk. Tr. 2-Red-White Tr. 3-Red 4-Green	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94P06 94P12 94P20	94P06-90 94P12-90 94P20-90	94S06 94S12 94S20	94S06-90 94S12-90 94S20-90
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94P06B 94P12B 94P20B	94P06B-90 94P12B-90 94P20B-90	94S06B 94S12B 94S20B	94S06B-90 94S12B-90 94S20B-90
5 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95P06 95P12 95P20	95P06-90 95P12-90 95P20-90	95S06 95S12 95S20	95S06-90 95S12-90 95S20-90
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95P06B 95P12B 95P20B	95P06B-90 95P12B-90 95P20B-90	95S06B 95S12B 95S20B	95S06B-90 95S12B-90 95S20B-90
6 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr. 6-Red-Blue Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	96P06 96P12 96P20	96P06-90 96P12-90 96P20-90	96S06 96S12 96S20	96S06-90 96S12-90 96S20-90
			#22 AWG Braided	6 ft./1.83m 12 ft/3.66m 20 ft./6.10m	96P06B 96P12B 96P20B	96P06B-90 96P12B-90 96P20B-90	96S06B 96S12B 96S20B	96S06B-90 96S12B-90 96S20B-90

1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

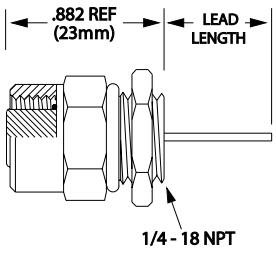
Straight Cable Assembly



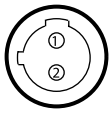
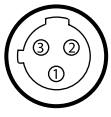
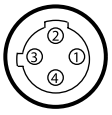
Male Receptacle



Female Receptacle



Assemblies with #22 AWG Cable NEW!

Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Male/Female Straight	Male/Male Straight	Female/ Female Straight	Male Receptacle 12 in. Leads	Female Receptacle 12 in. Leads
2 3A 300V		1-Brown 2-Blue	#22 AWG Non-Braided	6 ft./1.83 m 12 ft./3.66m 20 ft./6.10m	92P2S06 92P2S12 92P2S20	92P2P06 92P2P12 92P2P20	P2S2S06 P2S2S12 92S2S20	9R2P	9R2S
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	92P2S06B 92P2S12B 92P2S20B	92P2P06B 92P2P12B 92P2P20B	92S2S06B 92S2S12B 92S2S20B		
3 3A 300V		1-Green 2-Red-Blk. Tr. 3-Red-White Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93P3S06 93P3S12 93P3S20	93P3P06 93P3P12 93P3P20	93S3S06 93S3S12 93S3S20	9R3P	9R3S
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93P3S06B 93P3S12B 93P3S20B	93P3P06B 93P3P12B 93P3P20B	93S3S06B 93S3S12B 93S3S20B		
4 3A 300V		1-Red-Blk. Tr. 2-Red-White Tr. 3-Red 4-Green	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94P4S06 94P4S12 94P4S20	94P4P06 94P4P12 94P4P20	94S4S06 94S4S12 94S4S20	9R4P	9R4S
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94P4S06B 94P4S12B 94P4S20B	94P4P06B 94P4P12B 94P4P20B	94S4S06B 94S4S12B 94S4S20B		
5 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95P5S06 95P5S12 95P5S20	95P5P06 95P5P12 95P5P20	95S5S06 95S5S12 95S5S20	9R5P	9R5S
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95P5S06B 95P5S12B 95P5S20B	95P5P06B 95P5P12B 95P5P20B	95S5S06B 95S5S12B 95S5S20B		
6 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr. 6-Red-Blue Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	96P6S06 96P6S12 96P6S20	96P6P06 96P6P12 96P6P20	96S6S06 96S6S12 96S6S20	9R6P	9R6S
			#22 AWG Braided	6 ft./1.83m 12 ft/3.66m 20 ft./6.10m	96P6S06B 96P6S12B 96P6S20B	96P6P06B 96P6P12B 96P6P20B	96S6S06B 96S6S12B 96S6S20B		

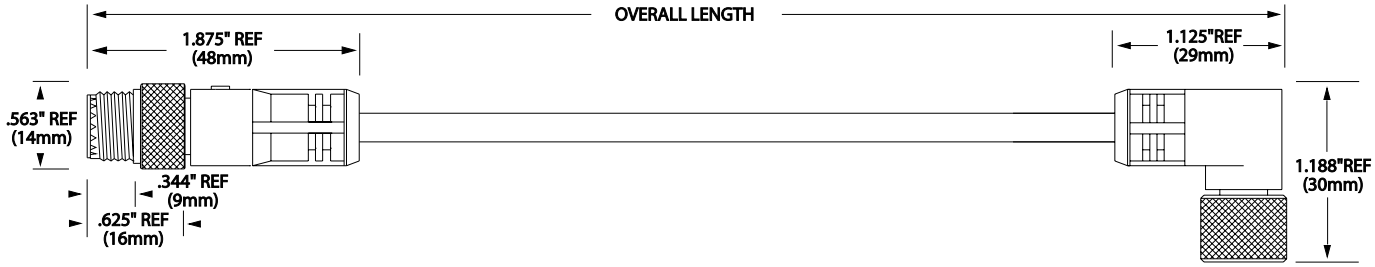
1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

Visibly the Best
ERICSON®
safety electrical specialties

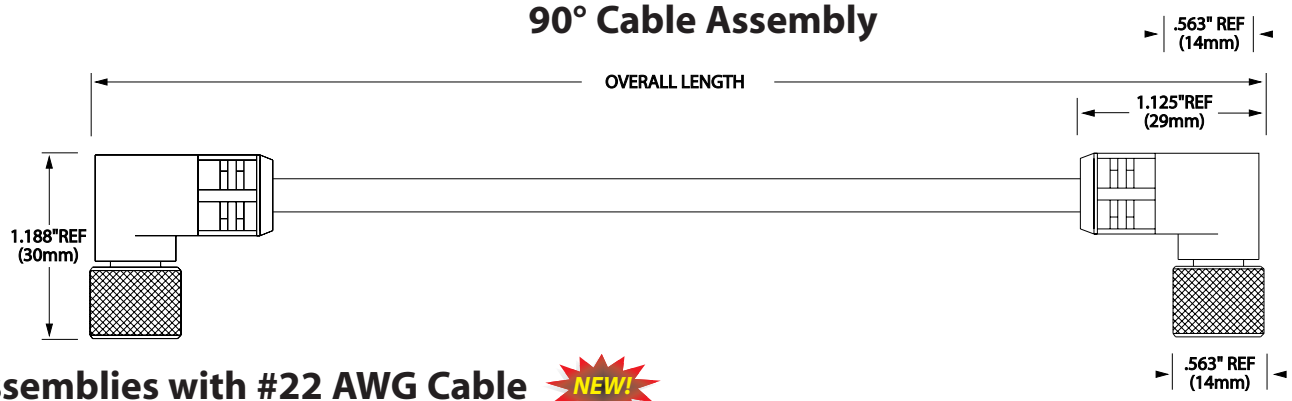
MICRO-SYNC™ Dual Keyway

AC Metal Cable Assemblies

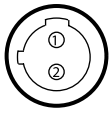
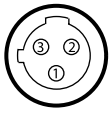
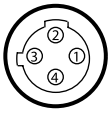
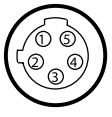
Straight to 90° Cable Assembly



90° Cable Assembly

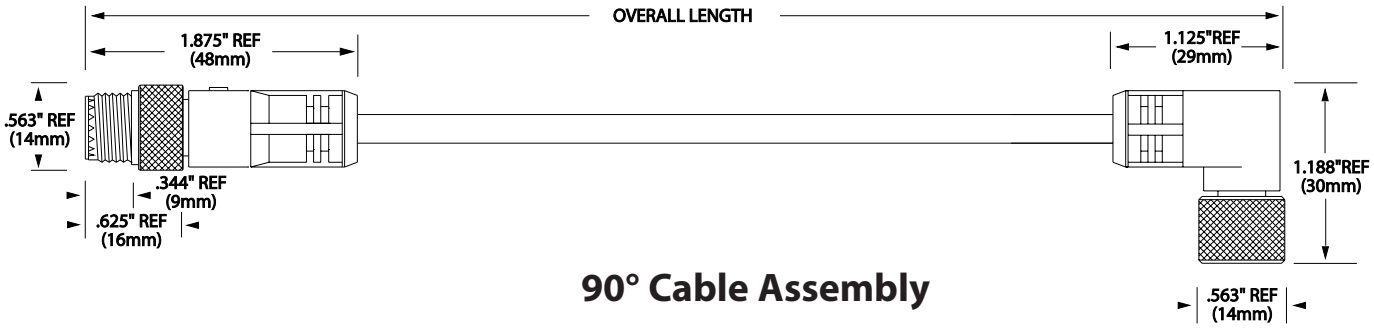


Assemblies with #22 AWG Cable NEW!

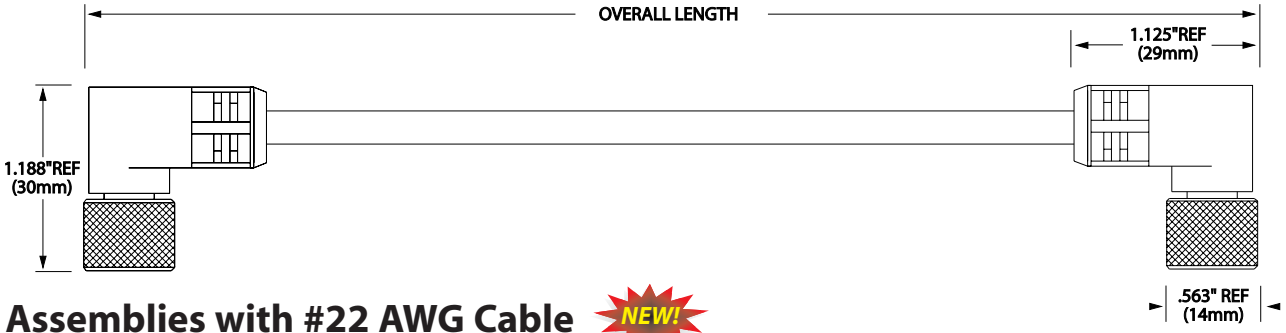
Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Male/Female Straight to 90°	Male/Female 90°	Female/Male Straight to 90°
2 3A 300V		1-Brown 2-Blue	#22 AWG Non-Braided	6 ft./1.83 m 12 ft./3.66m 20 ft./6.10m	92P2S06-09 92P2S12-09 92P2S20-09	92P2S06-99 92P2S12-99 92P2S20-99	92S2P06-09 92S2P12-09 92S2P20-09
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	92P2S06B-09 92P2S12B-09 92P2S20B-09	92P2S06B-99 92P2S12B-99 92P2S20B-99	92S2P06B-09 92S2P12B-09 92S2P20B-09
3 3A 300V		1-Green 2-Red-Blk. Tr. 3-Red-White Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93P3S06-09 93P3S12-09 93P3S20-09	93PS06-99 93P3S12-99 93P3S20-99	93S3P06-09 93S3P12-09 93S3P20-09
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93P3S06B-09 93P3S12B-09 93P3S20B-09	93P3S06B-99 93P3S12B-99 93P3S20B-99	93S3P06B-09 93S3P12B-09 93S3P20B-09
4 3A 300V		1-Red-Blk. Tr. 2-Red-White Tr. 3-Red 4-Green	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94P4S06-09 94P4S12-09 94P4S20-09	94P4S06-99 94P4S12-99 94S4P20-99	94S4P06-09 94S4P12-09 94S4P20-09
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94P4S06B-09 94P4S12B-09 94P4S20B-09	94P4S06B-99 94P4S12B-99 94P4S20B-99	94S4P06B-09 94S4P12B-09 94S4P20B-09
5 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95P5S06-09 95P5S12-09 95P5S20-09	95P5S06-99 95P5S12-99 95P5S20-99	95S5P06-09 95S5P12-09 95S5P20-09
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95P5S06B-09 95P5S12B-09 95P5S20B-09	95P5S06B-99 95P5S12B-99 95P5S20B-99	95S5P06B-09 95S5P12B-09 95S5P20B-09
6 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr. 6-Red-Blue Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	96P6S06-09 96P6S12-09 96P6S20-09	96P6S06-99 96P6S12-99 96P6S20-99	96S6P06-09 96S6P12-09 96S6P20-09
			#22 AWG Braided	6 ft./1.83m 12 ft/3.66m 20 ft./6.10m	96P6S06B-09 96P6S12B-09 96P6S20B-09	96P6S06B-99 96S6P12B-99 96S6P20B-99	96S6P06B-09 96S6P12B-09 96S6P20B-09

1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

Straight to 90° Cable Assembly

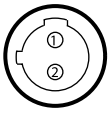
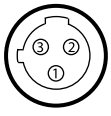
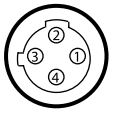


90° Cable Assembly



Assemblies with #22 AWG Cable

NEW!

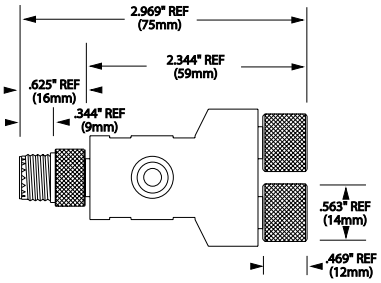
Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Female/Female Straight to 90°	Male/Male Straight to 90°	Male/Male 90°	Female/Female 90°
2 3A 300V		1-Brown 2-Blue	#22 AWG Non-Braided	6 ft./1.83 m 12 ft./3.66m 20 ft./6.10m	92S2S06-09 92S2S12-09 92S2S20-09	92P2P06-09 92P2P12-09 92P2P20-09	92P2P06-99 92P2P12-99 92P2P20-99	92S2S06-99 92S2S12-99 92S2S20-99
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	92S2S06B-09 92S2S12B-09 92S2S20B-09	92P2P06B-09 92P2P12B-09 92P2P20B-09	92P2P06B-99 92P2P12B-99 92P2P20B-99	92S2S06B-99 92S2S12B-99 92S2S20B-99
3 3A 300V		1-Green 2-Red-Blk. Tr. 3-Red-White Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93S3S06-09 93S3S12-09 93S3S20-09	93P3P06-09 93P3P12-09 93P3P20-09	93P3P06-99 93P3P12-99 93P3P20-99	93S3S06-99 93S3S12-99 93S3S20-99
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	93S3S06B-09 93S3S12B-09 93S3S20B-09	93P3P06B-09 93P3P12B-09 93P3P20B-09	93P3P06B-99 93P3P12B-99 93P3P20B-99	93S3S06B-99 93S3S12B-99 93S3S20B-99
4 3A 300V		1-Red-Blk. Tr. 2-Red-White Tr. 3-Red 4-Green	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94S4S06-09 94S4S12-09 94S4S20-09	94P4P06-09 94P4P12-09 94P4P20-09	94P4P06-99 94P4P12-99 94P4P20-99	94S4S06-99 94S4S12-99 94S4S20-99
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	94S4S06B-09 94S4S12B-09 94S4S20B-09	94P4P06B-09 94P4P12B-09 94P4P20B-09	94P4P06B-99 94P4P12B-99 94P4P20B-99	94S4S06B-99 94S4S12B-99 94S4S20B-99
5 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95S5S06-09 95S5S12-09 95S5S20-09	95P5P06-09 95P5P12-09 95P5P20-09	95P5P06-99 95P5P12-99 95P5P20-99	95S5S06-99 95S5S12-99 95S5S20-99
			#22 AWG Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	95S5S06B-09 95S5S12B-09 95S5S20B-09	95P5P06B-09 95P5P12B-09 95P5P20B-09	95P5P06B-99 95P5P12B-99 95P5P20B-99	95S5S06B-99 95S5S12B-99 95S5S20B-99
6 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr. 6-Red-Blue Tr.	#22 AWG Non-Braided	6 ft./1.83m 12 ft./3.66m 20 ft./6.10m	96S6S06-09 96S6S12-09 96S6S20-09	96P6P06-09 96P6P12-09 96P6P20-09	96P6P06-99 96P6P12-99 96P6P20-99	96S6S06-99 96S6S12-99 96S6S20-99
			#22 AWG Braided	6 ft./1.83m 12 ft/3.66m 20 ft./6.10m	96S6S06B-09 96S6S12B-09 96S6S20B-09	96P6P06B-09 96P6P12B-09 96P6P20B-09	96P6P06B-99 96P6P12B-99 96P6P20B-99	96S6S06B-99 96S6S12B-99 96S6S20B-99

1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

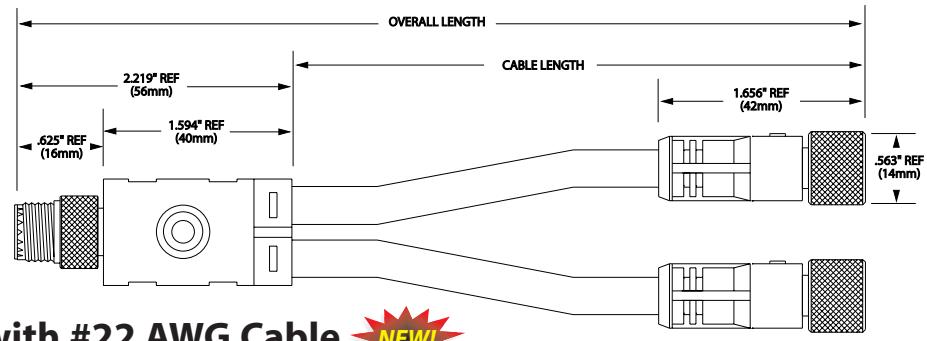
MICRO-SYNC™ Dual Keyway

Y-Splitters & Y-Connectors

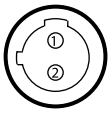
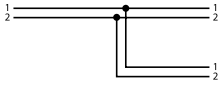
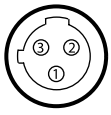
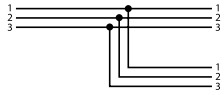
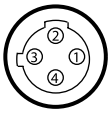
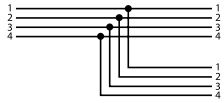
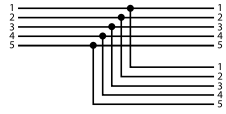
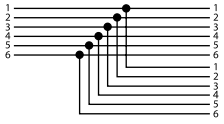
Y-Connector



Y-Splitter



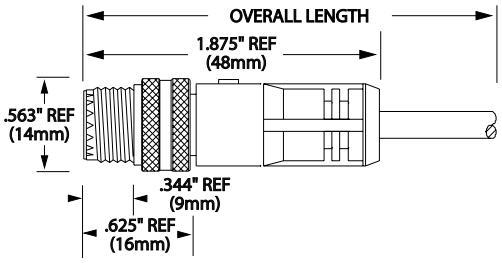
Assemblies with #22 AWG Cable NEW!

Poles & Rating	Faceview Male	Wiring Code	Wiring Diagram	Overall Length (ft./m)	Y-Connector Male/Female Female	Y-Connector Female/Female Female	Y-Splitter Male/Female Female	Y-Splitter Female/Female Female
2 3A 300V		1-Brown 2-Blue		12″	9YC2P2S2S	9YC2S2S2S	9Y2P2S2S01 9Y2P2S2S01B*	9Y2S2S2S01 9Y2S2S01B*
3 3A 300V		1-Green 2-Red-Blk. Tr. 3-Red-White Tr.		12″	9YC3P3S3S	9YC3S3S3S	9Y3P3S3S01 9Y3P3S3S01B*	9Y3S3S3S01 9Y3S3S01B*
4 3A 300V		1-Red-Blk. Tr. 2-Red-White Tr. 3-Red 4-Green		12″	9YC4P4S4S	9YC4S4S4S	9Y4P4S4S01 9Y4P4S4S01B*	9Y4S4S4S01 9Y4S4S4S01B*
5 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr.		12″	9YC5P5S5S	9YC5S5S5S	9Y5P5S5S01 9Y5P5S5S01B*	9Y5S5S5S01 9Y5S5S5S01B*
6 3A 300V		1-Red-White Tr. 2-Red 3-Green 4-Red-Yellow Tr. 5-Red-Black Tr. 6-Red-Blue Tr.		12″	9YC6P6S6S	9YC6S6S6S	9Y6P6S6S01 9Y6P6S6S01B*	9Y6S6S6S01 9Y6S6S6S01B*

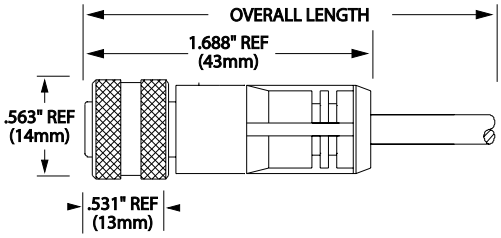
* Y-Splitter Assembly with #22 AWG Braided Cable.

1. For custom lengths and configurations consult factory.

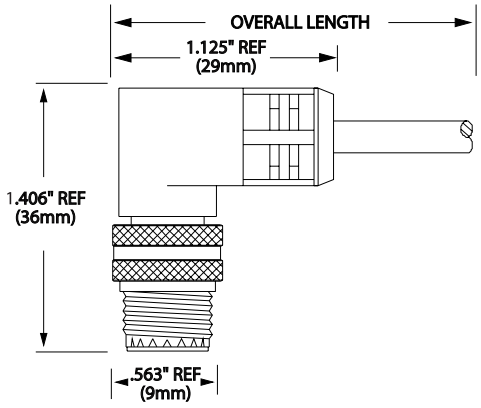
Male Straight



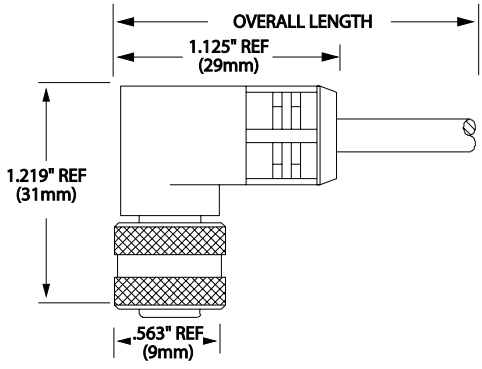
Female Straight



Male 90°

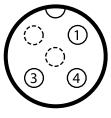
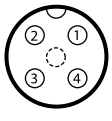
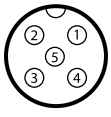


Female 90°



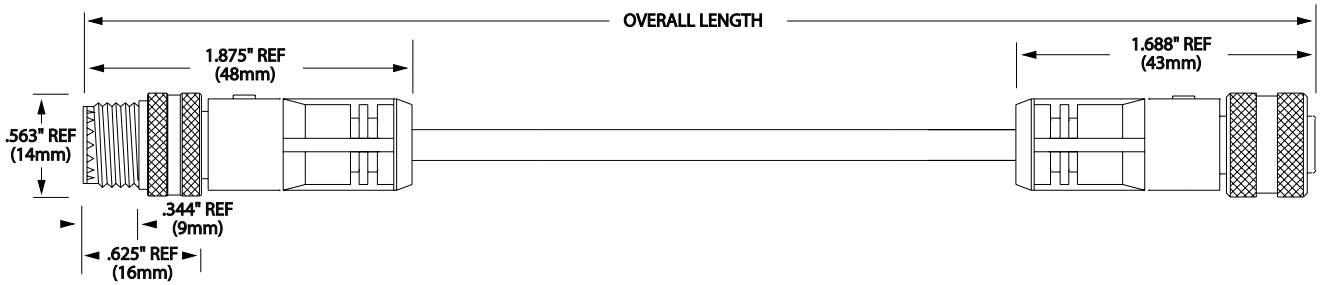
Assemblies with #22 AWG Cable

NEW!

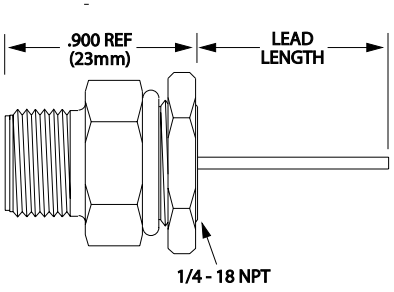
Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Male Straight	Male 90°	Female Straight	Female 90°
3 3A 300V		1-Brown 2-Not Used. 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	33P02 33P04 33P05	33P02-90 33P04-90 33P05-90	33S02 33S04 33S05	33S02-90 33S04-90 33S05-90
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	33P02B 33P04B 33P05B	33P02B-90 33P04B-90 33P05B-90	33S02B 33S04B 33S05B	33S02B-90 33S04B-90 33S05B-90
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	34P02 34P04 34P05	34P02-90 34P04-90 34P05-90	34S02 34S04 34S05	34S02-90 34S04-90 34S05-90
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	34P02B 34P04B 34P05B	34P02B-90 34P04B-90 34P05B-90	34S02B 34S04B 34S05B	34S02B-90 34S04B-90 34S05B-90
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	35P02 35P04 35P05	35P02-90 35P04-90 35P05-90	35S02 35S04 35S05	35S02-90 35S04-90 35S05-90
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	35P02B 35P04B 35P05B	35P02B-90 35P04B-90 35P05B-90	35S02B 35S04B 35S05B	35S02B-90 35S04B-90 35S05B-90

1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

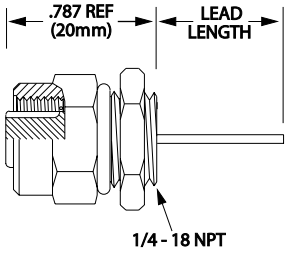
Straight Cable Assembly



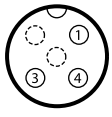
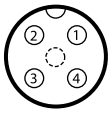
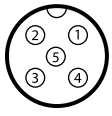
Male Receptacle



Female Receptacle

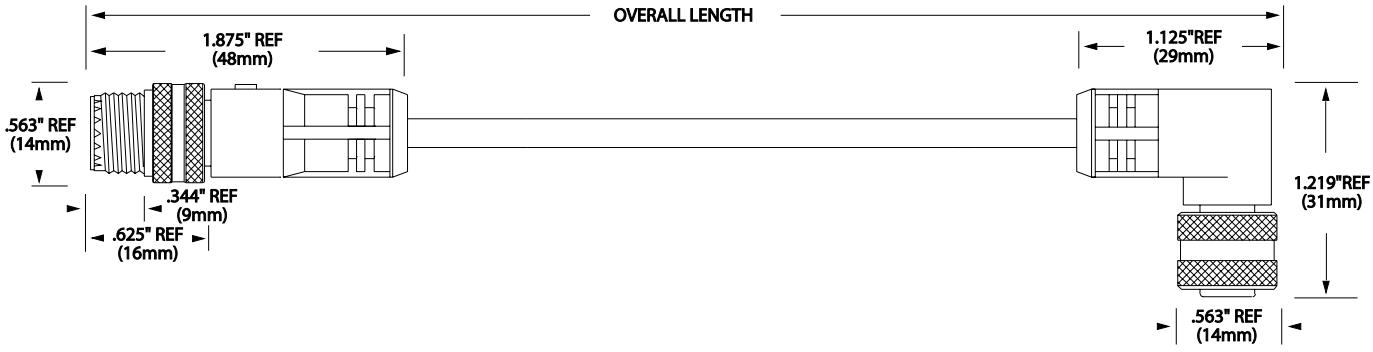


Assemblies with #22 AWG Cable NEW!

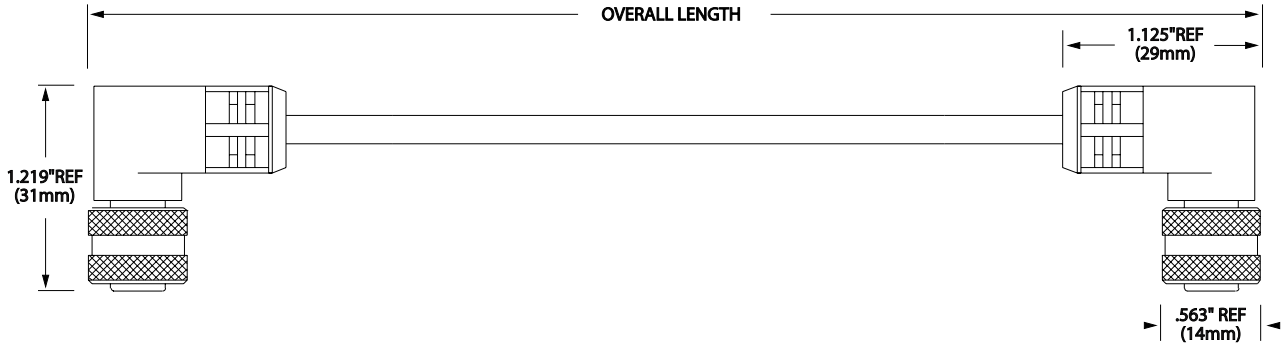
Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Male/Female Straight	Male/Male Straight	Female/ Female Straight	Male Receptacle .3 m Leads	Female Receptacle .3 m Leads
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	33P3S02 33P3S04 33P3S05	33P3P02 33P3P04 33P3P05	33S3S02 33S3S04 33S3S05	3R3P	3R3S
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	33P3S02B 33P3S04B 33P3S05B	33P3P02B 33P3P04B 33P3P05B	33S3S02B 33S3S04B 33S3S05B		
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	34P4S02 34P4S04 34P4S05	34P4P02 34P4P04 34P4P05	34S4S02 34S4S04 34S4S05	3R4P	3R4S
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	34P4S02B 34P4S04B 34P4S05B	34P4P02B 34P4P04B 34P4P05B	34S4S02B 34S4S04B 34S4S05B		
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	35P5S02 35P5S04 35P5S05	35P5P02 35P5P04 35P5P05	35S5S02 35S5S04 35S5S05	3R5P	3R5S
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	35P5S02B 35P5S04B 35P5S05B	35P5P02B 35P5P04B 35P5P05B	35S5S02B 35S5S04B 35S5S05B		

1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

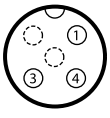
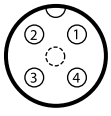
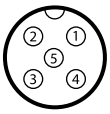
Male/Female Straight to 90° Cable Assembly



Female/Female 90° Cable Assembly



Assemblies with #22 AWG Cable NEW!

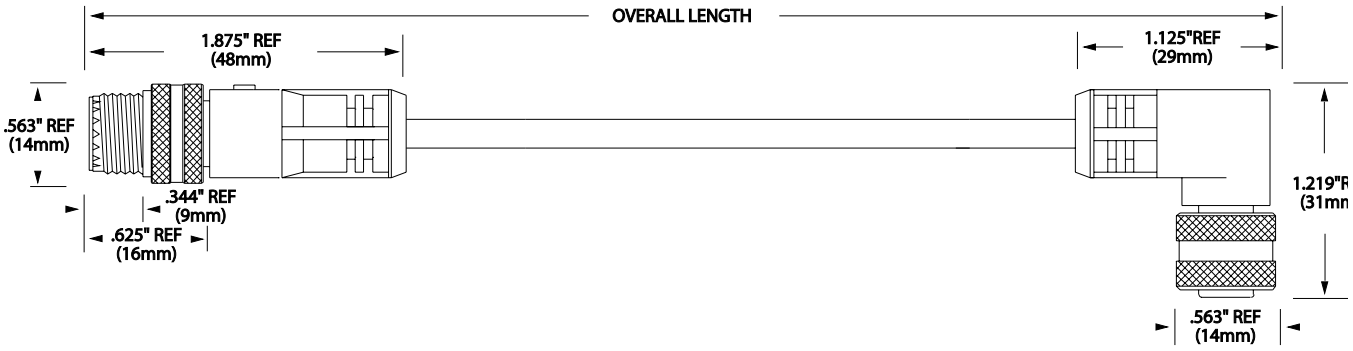
Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Male/Female Straight to 90°	Male/Female 90°	Female/Male Straight to 90°
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	33P3S02-09 33P3S04-09 33P3S05-09	33P3S02-99 33P3S04-99 33P3S05-99	33S3P02-09 33S3P04-09 33S3P05-09
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	33P3S02B-09 33P3S04B-09 33P3S05B-09	33P3S02B-99 33P3S04B-99 33P3S05B-99	33S3P02B-09 33S3P04B-09 33S3P05B-09
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	34P4S02-09 34P4S04-09 34P4S05-09	34P4S02-99 34P4S04-99 34P4S05-99	34S4P02-09 34S4P04-09 34S4P05-09
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	34P4S02B-09 34P4S04B-09 34P4S05B-09	34P4S02B-99 34P4S04B-99 34P4S05B-99	34S4P02B-09 34S4P04B-09 34S4P05B-09
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray	#22 AWG Non-Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	35P5S02-09 35P5S04-09 35P5S05-09	35P5S02-99 35P5S04-99 35P5S05-99	35S5P02-09 35S5P04-09 35S5P05-09
			#22 AWG Braided	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	35P5S02B-09 35P5S04B-09 35P5S05B-09	35P5S02B-99 35P5S04B-99 35P5S05B-99	35S5P02B-09 35S5P04B-09 35S5P05B-09

1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

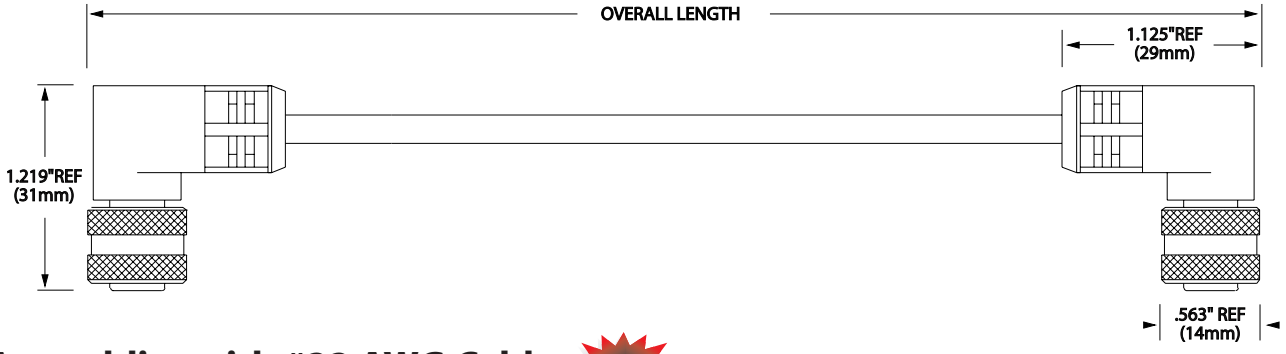
MICRO-SYNC™ Single Keyway

DC Metal Cable Assemblies

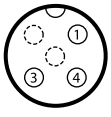
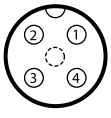
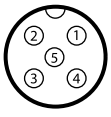
Male/Female Straight to 90° Cable Assembly



Female/Female 90° Cable Assembly

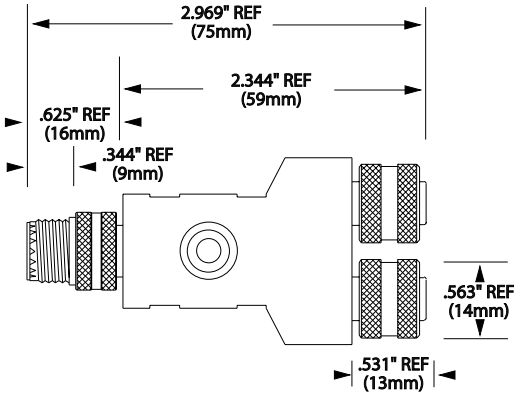


Assemblies with #22 AWG Cable NEW!

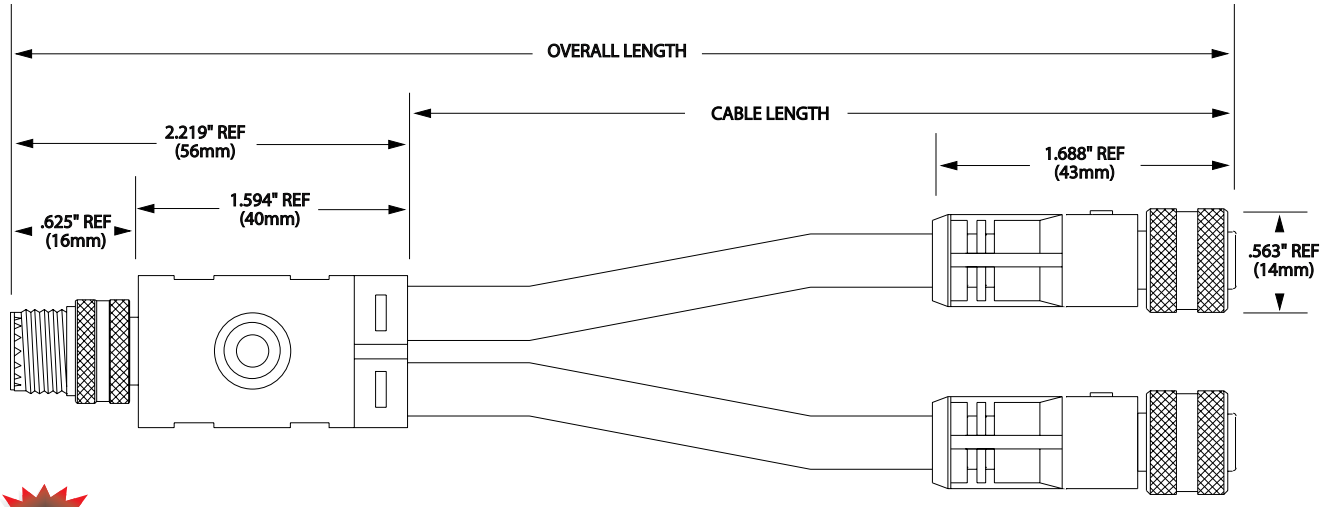
Poles & Rating	Faceview Male	Wiring Code	Cable Type	Overall Length (ft./m)	Female/Female Straight to 90°	Male/Male Straight to 90°	Male/Male 90°	Female/Female 90°
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m	33S3S02-09	33P3P02-09	33P3P02-99	33S3S02-99
				13.1 ft./4m	33S3S04-09	33P3P04-09	33P3P04-99	33S3S04-99
				16.4 ft./5m	33S3S05-09	33P3P05-09	33P3P05-99	33S3S05-99
			#22 AWG Braided	6.6 ft./2m	33S3S02B-09	33P3P02B-09	33P3P02B-99	33S3S02B-99
				13.1 ft./4m	33S3S04B-09	33P3P04B-09	33P3P04B-99	33S3S04B-99
				16.4 ft./5m	33S3S05B-09	33P3P05B-09	33P3P05B-99	33S3S05B-99
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	#22 AWG Non-Braided	6.6 ft./2m	34S4S02-09	34P4P02-09	34P4P02-99	34S4S02-99
				13.1 ft./4m	34S4S04-09	34P4P04-09	34P4P04-99	34S4S04-99
				16.4 ft./5m	34S4S05-09	34P4P05-09	34P4P05-99	34S4S05-99
			#22 AWG Braided	6.6 ft./2m	34S4S02B-09	34P4P02B-09	34P4P02B-99	34S4S02B-99
				13.1 ft./4m	34S4S04B-09	34P4P04B-09	34P4P04B-99	34S4S04B-99
				16.4 ft./5m	34S4S05B-09	34P4P05B-09	34P4P05B-99	34S4S05B-99
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray.	#22 AWG Non-Braided	6.6 ft./2m	35S5S02-09	35P5P02-09	35P5P02-99	35S5S02-99
				13.1 ft./4m	35S5S04-09	35P5P04-09	35P5P04-99	35S5S04-99
				16.4 ft./5m	35S5S05-09	35P5P05-09	35P5P05-99	35S5S05-99
			#22 AWG Braided	6.6 ft./2m	35S5S02B-09	35P5P02B-09	35P5P02B-99	35S5S02B-99
				13.1 ft./4m	35S5S04B-09	35P5P04B-09	35P5P04B-99	35S5S04B-99
				16.4 ft./5m	35S5S05B-09	35P5P05B-09	35P5P05B-99	35S5S05B-99

1. For custom lengths and configurations consult factory.
2. Consult factory for availability of braided cable product.

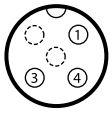
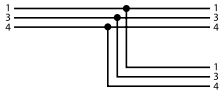
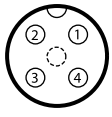
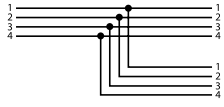
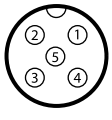
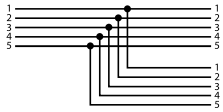
Y-Connector



Y-Splitter



NEW!

Poles & Rating	Faceview Male	Wiring Code	Wiring Diagram	Overall Length (ft./m)	Y-Connector		Y-Splitter	
					Male/Female Female	Female/Female Female	Male/Female Female	Female/Female Female
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black		12″	3YC3P3S3S	3YC3S3S3S	3Y3P3S3S01 3Y3P3S3S01B*	3Y3S3S3S01 3Y3S3S01B*
4 3A 300V		1-Brown 2-White 3-Blue 4-Black		12″	3YC4P4S4S	3YC4S4S4S	3Y4P4S4S01 3Y4P4S4S01B*	3Y4S4S4S01 3Y4S4S4S01B*
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray		12″	3YC5P5S5S	3YC5S5S5S	3Y5P5S5S01 3Y5P5S5S01B*	3Y5S5S5S01 3Y5S5S5S01B*

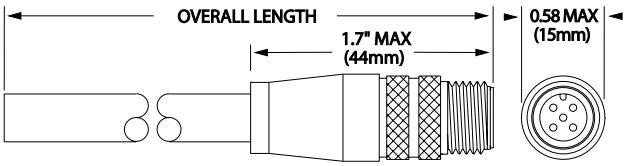
* Y-Splitter Assembly with #22 AWG Braided Cable.
1. For custom lengths and configurations consult factory.

Visibly the Best
ERICSON®
safety electrical specialties

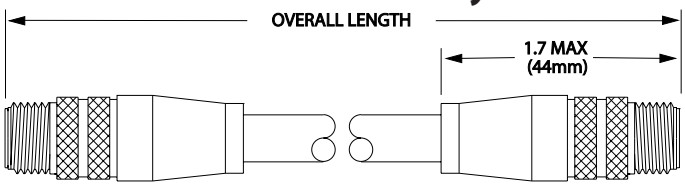
MICRO-SYNC™ Single Keyway

DC Metal EMI/RFI Shielded Devices

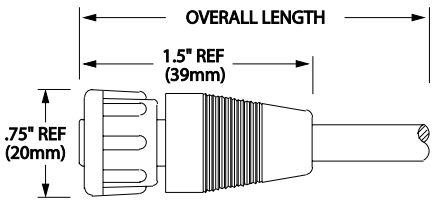
Male Straight



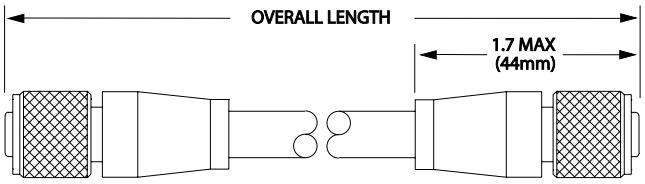
Male Straight Cable Assembly



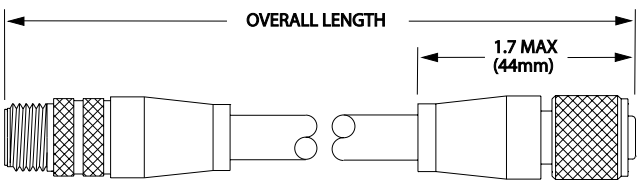
Female Straight



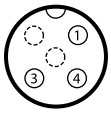
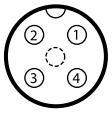
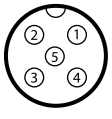
Female/Female Straight Cable Assembly



Male/Female Straight Cable Assembly

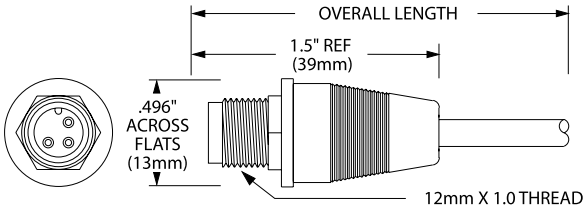


NEW!

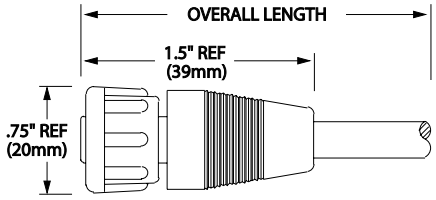
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male Straight	Female Straight	Male/Female Straight	Male/Male Straight	Female/Female Straight
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	33P02D 33P04D 33P05D	33S02D 33S04D 33S05D	33P3S02D 33P3S04D 33P3S05D	33P3P02D 33P3P04D 33P3P05D	33S3S02D 33S3S04D 33S3S05D
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	34P02D 34P04D 34P05D	34S02D 34S04D 34S05D	34P4S02D 34P4S04D 34P4S05D	34P4P02D 34P4P04D 34P4P05D	34S4S02D 34S4S04D 34S4S05D
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray.	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	35P02D 35P04D 35P05D	35S02D 35S04D 35S05D	35P5S02D 35P5S04D 35P5S05D	35P5P02D 35P5P04D 35P5P05D	35S5S02D 35S5S04D 35S5S05D

1. Consult factory for product availability.

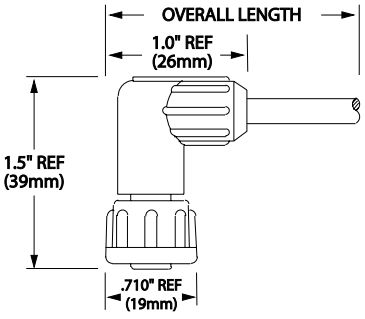
Male Straight



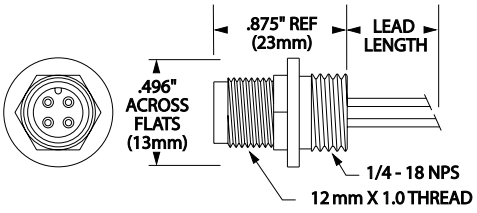
Female Straight



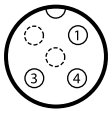
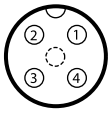
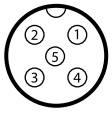
Female 90°



Male Receptacle



NEW!

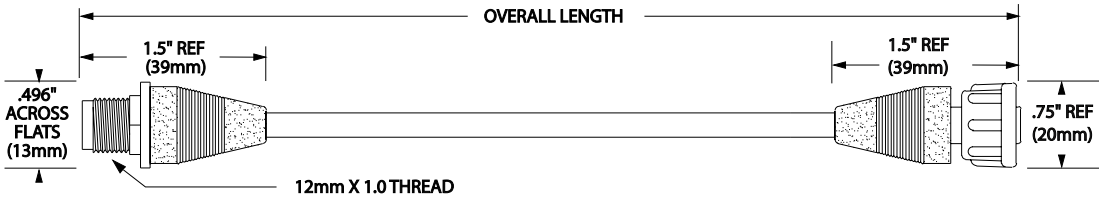
Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male Straight	Female Straight	Female 90°	Male Receptacle .3 Meter Leads
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	23P02 23P04 23P05	23S02 23S04 23S05	23S02-90 23S04-90 23S05-90	2R3P
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	24P02 24P04 24P05	24S02 24S04 24S05	24S02-90 24S04-90 24S05-90	2R4P
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray.	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	25P02 25P04 25P05	25S02 25S04 25S05	25S02-90 25S04-90 25S05-90	2R5P

1. Consult factory for product availability.

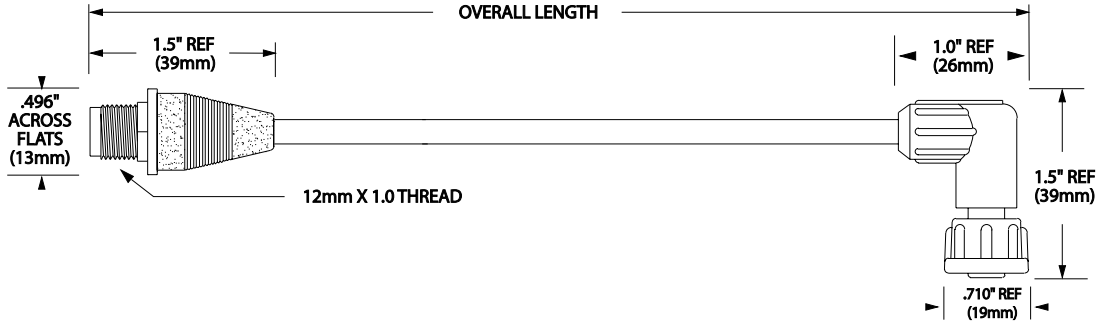
MICRO-SYNC™ Single Keyway

DC Cable Assemblies with Non-Metallic Nut

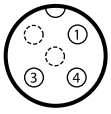
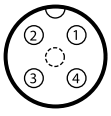
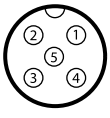
Male/Female Straight



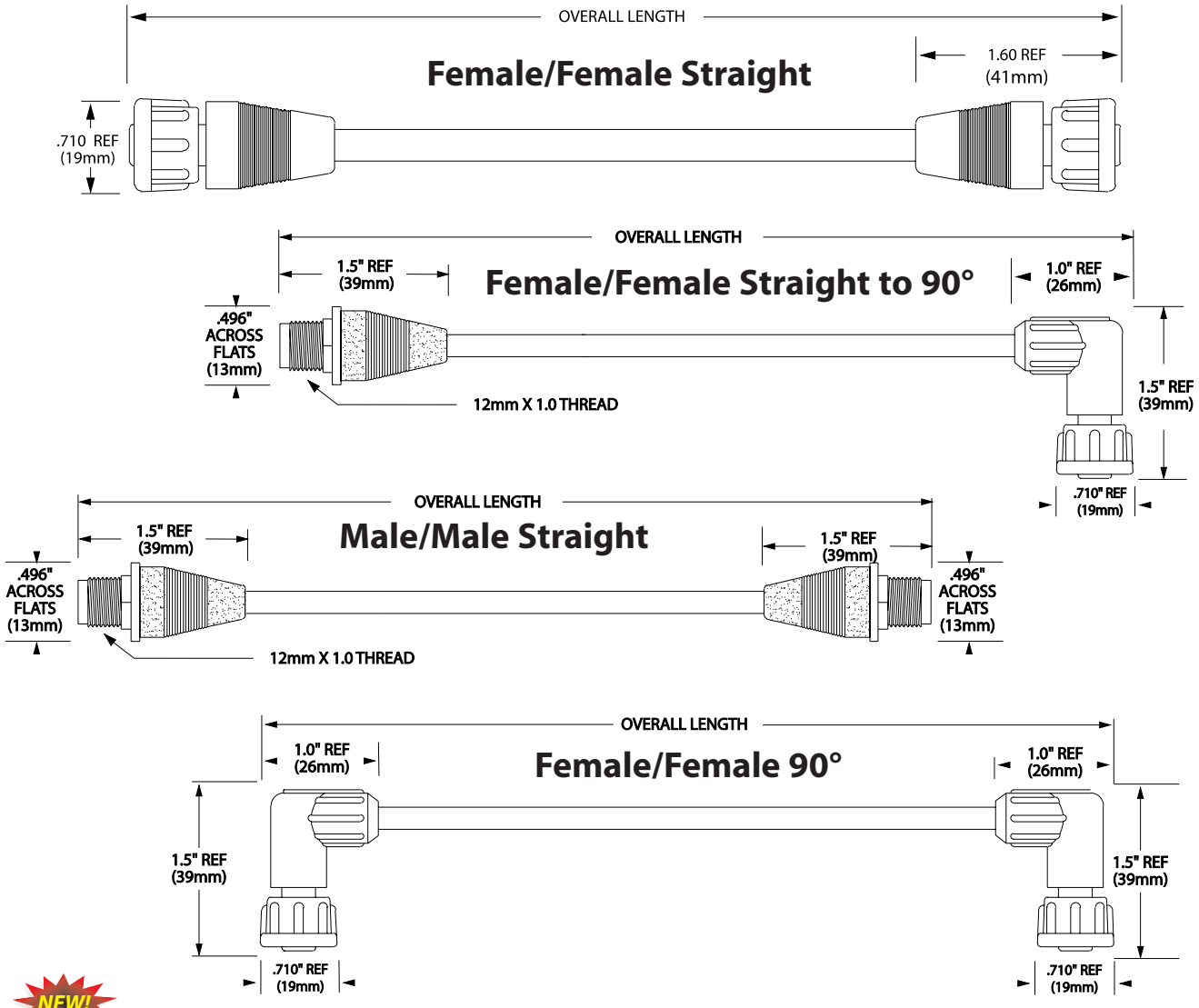
Male/Female Straight to 90°



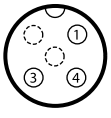
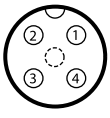
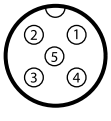
NEW!

Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Female Straight	Male/Female Straight to 90°
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	23P3S02 23P3S04 23P3S05	23P3S02-09 23P3S04-09 23P3S05-09
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	24P4S02 24P4S04 24P4S05	24P4S02-09 24P4S04-09 24P4S05-09
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray.	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	25P5S02 25P5S04 25P5S05	25P5S02-09 25P5S04-09 25P5S05-09

1. Consult factory for product availability.



NEW!

Poles & Rating	Faceview Male	Wiring Code	Overall Length (ft./m)	Male/Male Straight	Female/Female Straight	Female/Female Straight to 90°	Female/Female 90°
3 3A 300V		1-Brown 2-Not Used 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	23P3P02 23P3P04 23P3P05	23S3S02 23S3S04 23S3S05	23S3S02-09 23S3S04-09 23S3S05-09	23S3S02-99 23S3S04-99 23S3S05-99
4 3A 300V		1-Brown 2-White 3-Blue 4-Black	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	24P4P02 24P4P04 24P4P05	24S4S02 24S4S04 24S4S05	24S4S02-09 24S4S04-09 24S4S05-09	24S4S02-99 24S4S04-99 24S4S05-99
5 3A 300V		1-Brown 2-White 3-Blue 4-Black 5-Gray.	6.6 ft./2m 13.1 ft./4m 16.4 ft./5m	25P5P02 25P5P04 25P5P05	25S5S02 25S5S04 25S5S05	25S5S02-09 25S5S04-09 25S5S05-09	25S5S02-99 25S5S04-99 25S5S05-99

1. Consult factory for product availability.

Standard MICRO-SYNC™ Wiring Sequence Panel Mounts and Cable Assemblies

DC-Single Keyway	Contact#	1	2	3	4	5
		—	—	BRN	BLU	
	Cable Conductor	BRN	—	BLU	BLK	
	Color Sequence	BRN	WHT	BLU	BLK	
		BRN	WHT	BLU	BLK	GRY

(—) Indicates contact not used

AC-Dual Keyway	Contact#	1	2	3	4	5	6
		BRN	BLU				
	Cable Conductor	GRN	RED/BLK	RED/WHT			
	Color Sequence	RED/BLK	RED/WHT	RED	GRN		
		RED/WHT	RED	GRN	RED/YEL	RED/BLK	
		RED/WHT	RED	GRN	RED/YEL	RED/BLK	RED/BLU

NOTES:

Characteristics Defined By The CEI 70-1 - IEC 529 - IEC 144 - UTE C 20-010 - DIN 40050 Standards

		Second Digit - Protection against the penetration of liquids								
		IP_0	IP_1	IP_2	IP_3	IP_4	IP_5	IP_6	IP_7	IP_8
		Non protected	Protection against vertical falling of water drops	Protection against falling of water drops at an angle up to 15° from the vertical	Protection against spraying water (rain) at an angle up to 60° from the vertical	Protection against splashing water from any direction (360°)	Protection against water jets from any direction (360°)	Protection against heavy seas (waves)	Protection against effects of immersion in water under defined conditions of pressure and time	Protection against continuous submersion in water
First Digit - Protection against persons - touching and ingress of solid foreign objects										
IP 0_	Without protection	IP 00								
IP 1_	Protection against touching with the hand and solid objects greater than 50mm dia.	IP 10	IP 11	IP 12						
IP 2_	Protection against touching with the finger and solid objects greater than 12mm dia.	IP 20	IP 21	IP 22	IP 23					
IP 3_	Protection against touching with tools, wires, etc. more than 2.5mm thick and solid objects greater than 2.5mm dia.	IP 30	IP 31	IP 32	IP 33	IP 34				
IP 4_	Protection against touching with tools, wires, etc. more than 1mm thick and solid objects greater than 1mm dia.	IP 40	IP 41	IP 42	IP 43	IP 44				
IP 5_	Unlimited protection against contact with live parts and damaging deposits of dust	IP 50				IP 54	IP 55			
IP 6_	Unlimited protection against contact with live parts and any penetration of dust	IP 60					IP 65	IP 66	IP 67	IP 68

In some countries a third digit (for mechanical security) is added.

NEMA & IP Degrees of Protection

Designation	Intended Use and Description	Construction Requirements
3	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	Splashproof (IP44)
4	Indoor and outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Watertight (IP67)
4X	Indoor and outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, hose-directed water and damage from external ice formation.	Watertight (IP67)
6	Indoor and outdoor use primarily to provide a degree of protection against hose-directed water, splashing water, and the entry of water during occasional temporary submersion at a limited depth and damage from external ice formation.	Watertight (IP67)
12, 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	Splashproof (IP44)

This information is provided only as a general guide. No specific recommendation is intended. As each application may vary, testing should be conducted by the user in the intended environment.

North American Devices (20-100 Amp)
Accessories
Mechanical Interlocks
International Devices (16-125 Amps)
Dimensions

Visibly the Best
ERICSON®
safety electrical specialties

Ericson Manufacturing Company offers a comprehensive range of IEC309 Pin & Sleeve Devices that meet both IEC 309-1 and IEC 309-2 specifications along with UL 1682 and UL 1686 standards for safety.

- Fully interchangeable with other manufacturers who conform to these standards
- Watertight IP67 devices for wet locations
- Splash proof IP44 devices for light industrial environments
- Economy Splash proof IP44 devices that offer a lower cost alternative with many of the same features as our Standard IP44 devices
- Mechanical Interlocks available in both IP67 and IP44 constructions

Watertight IP67 Devices

- Locking ring and gasket provides positive mechanical lock between male and female devices to prevent intrusion of moisture, dirt and dust
- Shrouded and recessed pins are protected from physical damage
- Recessed contact sleeves protect from accidental encounter with live contacts
- Color-coded devices prevent confusion with voltage ratings
- External cable gland with "onion-ring" neoprene bushing assure watertight integrity

Splash proof IP44 Devices

- Shrouded and recessed pins are protected from physical damage
- Recessed contact sleeves protect from accidental encounter with live contacts
- Color-coded devices prevent confusion with voltage ratings
- External cable gland with "onion-ring" neoprene bushing assure watertight integrity

Economy Splash proof IP44 Devices

- Shrouded and recessed pins protected from physical damage
- Recessed contact sleeves protect from accidental encounter with live contacts
- Color-coded devices prevent confusion with voltage ratings
- Cable sleeve cord entry with molded-in markings to make it easy to identify the proper point to cut-off the boot to accommodate your cable diameter

Mechanical Interlocks

- A disconnect switch and receptacle are combined into a compact device
- Eliminates the making and breaking of plug and receptacle under load

Custom Built Assemblies

As always you can turn to Ericson Manufacturing Company to engineer a solution to your temporary power application if you do not find a standard catalog item to fit your need. Contact the factory or your local sales representative to find out more.

IEC 309 Pin & Sleeve Devices

Performance Ratings: North American Ratings

ELECTRICAL

Insulation Resistance	500V for 1 min. Resistance 5M
Dielectric Voltage Withstand	3000V for 1 min.
Ground Path Current	See Table 1
Endurance, Connect and Disconnect Cycles	See Table 2
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Overload Test (Power factor 0.75 - 0.80)	Tested for current interrupting at 150% of the rated current and 100% of the rated voltage for 50 cycles.
Temperature Rise	Maximum 30° C rise at full rated current (after overload).
Resistance to Arcing	Continuation of overload test for an additional 200 cycles.

MECHANICAL

Mold Stress Relief	70°C (158°F) for 7 hours.
Humidity	32°C (89.6°F), 93% humidity for 7 days (168 hours).
Cable Secureness	See Table 3
Impact	A device is wired with a 90" (2300mm) length of flexible cord and dropped from 30" (760mm) 8 times. The device is then conditioned for 6 hours at -25°C and immediately subjected to a repeated impact test.
Crushing	250 lbs for 1 minute. The device is then conditioned for 6 hours at -25°C and immediately subjected to a repeated crushing test.
Withdrawal Force	See Table 4
Strength of Insulating Base and Support	110% of specified tightening torque on terminal screws.
Polarization Integrity	Matching devices will not mate so that the ground is energized, even when polarization feature is removed and 40 lb (180 N) insertion force is applied.

ENVIRONMENTAL

Flammability	V-2 or better per UL 94 or CSA 22.2 No. 0.6
Ambient Temperature Range	Minimum: -25°C (-13°F) with impact Maximum: 90°C (194°F)
Resistance to Corrosion	Ferrous parts immersed for 10 min. in 10% solution of ammonium chloride at a temperature of 20°C.
Moisture Resistance	Watertight (IP67): Device immersed for 24 hours in water at a temp. of 25°C, the highest point of the device being 2" (5cm) below the water level. Splashproof (IP44): Device is sprayed with water for 10 minutes and immediately afterwards subjected to splashing water in all directions (360°).
UV Resistance	Exposed plastic materials are UV stabilized.

TABLE 1

Ground Path Current Test				
Device Rating Amperes	Minimum Size Grounding Conductor AWG	Minimum Size Grounding Conductor mm^2	Time, Seconds	Test Current, Amperes
20	12	3.3	4	470
30	10	5.3	4	750
60	10	5.3	4	750
100	8	8.4	4	1180

A test current that far exceeds the device rating, is passed through the mating devices and grounding wires.

TABLE 2

Endurance Test			
Device Rating Amperes	Cycles with Load at Rated Current and Voltage	No-Load Cycles	Sequence
20	5000	0	-
30	1000	1000	Alternating
60	1000	1000	Alternating
100	250	250	Alternating

The test sequence is conducted by using a no-load, followed by a load sequence. The power factor of the load is 0.75 to 0.80.

TABLE 3

Cable Secureness Test						
Device Rating Amperes	Force lb.	Force N	Torque ft-lb.	Torque N•m	Maximum Displacement Inches	Maximum Displacement mm
20	30	133	0.4	0.54	3/32	2.38
30	75	333	0.5	0.68	3/32	2.38
60	150	667	1.0	1.4	3/32	2.38
100	150	667	2.0	2.7	3/32	2.38

The flexible cord or cable is simultaneously twisted and pulled. Values for the applied twisting torque and force of pull are shown in Table 3. In all cases the cord displacement is less than 3/32 inches.

TABLE 4

Withdrawal Forces Test			
Device Rating Amperes	Minimum Withdrawal Force lb.	Minimum Withdrawal Force N	Time, Minutes
20	5	22	1
30	6	27	1
60	15	67	1
100	20	89	1

The pressure exerted by mating contacts of a plug and connector must be sufficient to prevent unintentional withdrawal during normal use. During the test, any locking rings or retaining means are not to be engaged.

UL LISTED These products are Listed to applicable UL Standards and requirements by Underwriters Laboratories Inc. UL 1682 and UL 1686.

CSA Certified

PLUG

Assembly Screws*	Steel, Electro Zinc Plated
Friction Ring*	Steel, Electro Zinc Plated
Gland Cap	Polycarbonate Blend
Grommet	Solid Neoprene
Housing (Front and Back)	Type 6 Nylon
Internal Cord Clamp	Type 6 Nylon
Locking Ring	Type 6 Nylon
Pins (Watertight)	Brass, NIckel plated
Pins (Splashproof)	Brass
Sealing Gasket	Neoprene
Terminal Screws	Steel, Nickel Plated

INLET

Housing	Type 6 Nylon
Locking Ring	Type 6 Nylon
Mounting Flange	Type 6 Nylon
Pins (Watertight)	Brass, NIckel plated
Pins (Splashproof)	Brass
Sealing Gasket	Neoprene
Terminal Screws	Steel, Nickel Plated

* Stainless steel available upon request

CONNECTOR

Assembly Screws*	Steel, Electro Zinc Plated
Cover	Type 6 Nylon
Cover Fastener	Nickel Plated Brass, or Macrolon
Friction Ring*	Steel, Electro Zinc Plated
Gland Cap	Polycarbonate Blend
Grommet	Solid Neoprene
Housing (Front and Back)	Type 6 Nylon
Internal Cord Clamp	Type 6 Nylon
Sealing Gasket	Neoprene
Sleeve Spring	Steel, Nickel Plated
Sleeves (Watertight)	Brass, Nickel Plated
Sleeves (Splashproof)	Brass
Terminal Screws	Steel, Nickel Plated

RECEPTACLE

Cover	Type 6 Nylon
Cover Fastener	Nickel Plated Brass, or Macrolon
Cover Spring	Stainless Steel (A2)
Housing	Type 6 Nylon
Mounting Flange	Type 6 Nylon
Sealing Gasket	Neoprene
Sleeve Spring	Steel, Nickel Plated
Sleeves (Watertight)	Brass, Nickel Plated
Sleeves (Splashproof)	Brass
Terminal Screws	Steel, Nickel Plated

Manufacturing pin & sleeve devices, of superior quality, can only be accomplished through the use of high grade materials. That is an important part of the Ericson Pin & Sleeve system - quality products you can depend on.

Male pins and female sleeves are made of high conductivity brass. Contacts used with watertight devices are nickel plated to prevent corrosion. The insulated housing is made from a high impact, nylon material. The non-metallic device, while resistant to most solvents, chemicals and salt water, is also nonconductive, which enhances the safety of the product.

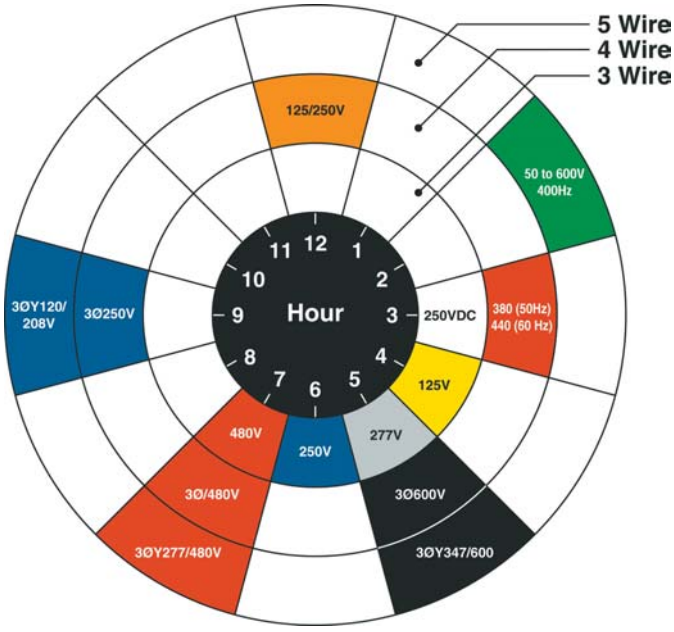
Application Guide

Industry	Application
Food Processing	Areas where washdowns are common and heavy abuse of connections occur.
Food Service	Indoor service where subject to water, chemicals and cleaning agents.
Outdoor Events & Temporary Power Setups	Concerts, Carnivals, Sporting Events, Street Fairs, Entertainment Districts where outdoor connections are required and subject to rain, snow, mud & critical loads mandate a secure connection such as lighting and sound systems.
Chemical Processing	Where subject to rough use, water/possible immersion & corrosion.
Construction Sites	Outdoors where subject to severe weather conditions, wet grounds.
Pulp/Paper Mills	Where subject to rough use, water/possible immersion & corrosion.
Marinas	Where subject to rough use, water/possible immersion & corrosion.
Plant Maintenance & Repair	Where subject to rough use, water/possible immersion & corrosion, dust, metal chips, coolants or exposed to vibration and rough handling.
Agriculture	Outdoor connections for electrically powered equipment such as fans, pumps and heaters.
Wastewater Treatment	Flood-prone areas, outdoor connections for electrically powered equipment.
Computer Installation/ Maintenance/Repair	Connections under raised floors subject to liquid exposure & for critical loads that require a secure connection.
Machine Build/Repair	To mate with or replace factory-wired devices on imported equipment. OEM assembly onto machinery built for export.

IEC 309 Pin & Sleeve Devices

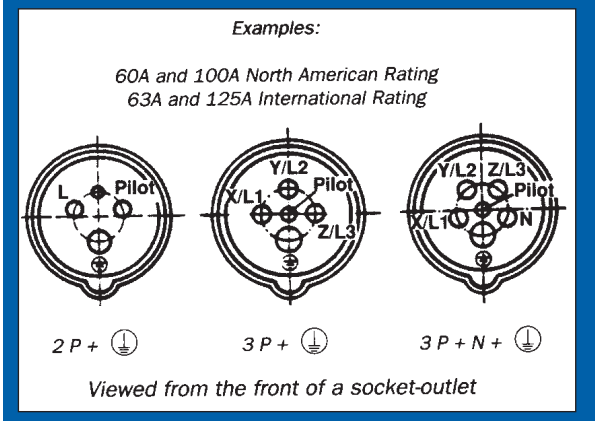
Voltage Ratings

CEEtyp Clockface Positions in Accordance with IEC 309-2 and UL 1686



North American Ratings
Voltage AC (Except where noted)

ELECTRICAL INTERLOCK



Plugs and receptacles rated 60 amps and above, feature an "electrical interlock" by way of a pilot pin on the plug and female sleeve on the receptacle that is shorter than the main pins. The pilot pin and female sleeve make the contact last; and break the contact first. This sequence turns the power on when the pilot pin and sleeve mate, and turns the power off before the phase contacts are disengaged. This prevents making or breaking the circuit under load.

Catalog Numbering System: Receptacles, Plugs, Connectors, and Inlets

4	30	P	7	W
Wires	**Amperage Rating North American/ International**	**Device Type**	**Clock Position**	**Environmental Classification**
3 4 5 7	20 30 60 100	P - Plug C - Connector R - Receptacle RA - Receptacle Angled B - Inlet BA - Inlet Angled MI - Mechanical Interlock	Clock position of Female Grounding Contact	W - Watertight S - Splashproof E - Economy Splashproof

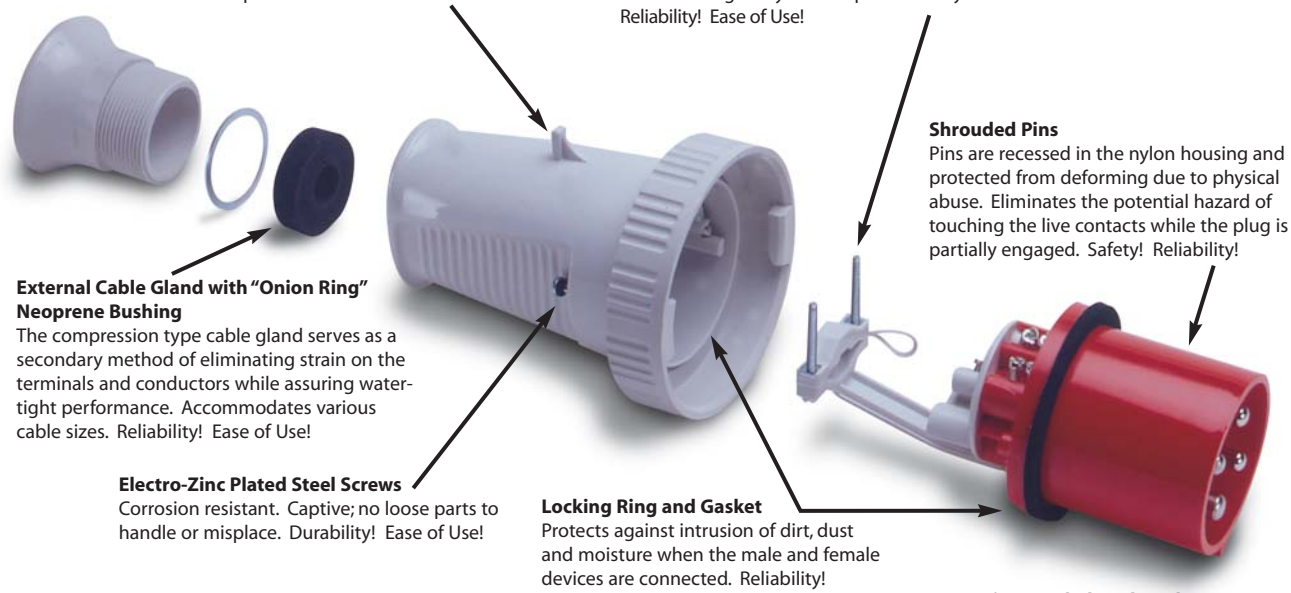
International Configuration Devices available with ratings of 16A, 32A, 63A and 125 Amps; Consult factory for additional information.

IP 67

Retaining Device
Holds the plug in position when it is in proper engagement with a connector or socket-outlet and prevents its unintentional withdrawal.

Internal Strain Relief with "Swing-Away" Feature
Designed to firmly grip not only the outer cable jacket but also the internal conductors. Eliminates strain on the terminals while providing high pull-out values. "Swing-Away" feature provides easy access to terminal screws. Reliability! Ease of Use!

Shrouded Pins
Pins are recessed in the nylon housing and protected from deforming due to physical abuse. Eliminates the potential hazard of touching the live contacts while the plug is partially engaged. Safety! Reliability!



External Cable Gland with "Onion Ring" Neoprene Bushing
The compression type cable gland serves as a secondary method of eliminating strain on the terminals and conductors while assuring watertight performance. Accommodates various cable sizes. Reliability! Ease of Use!

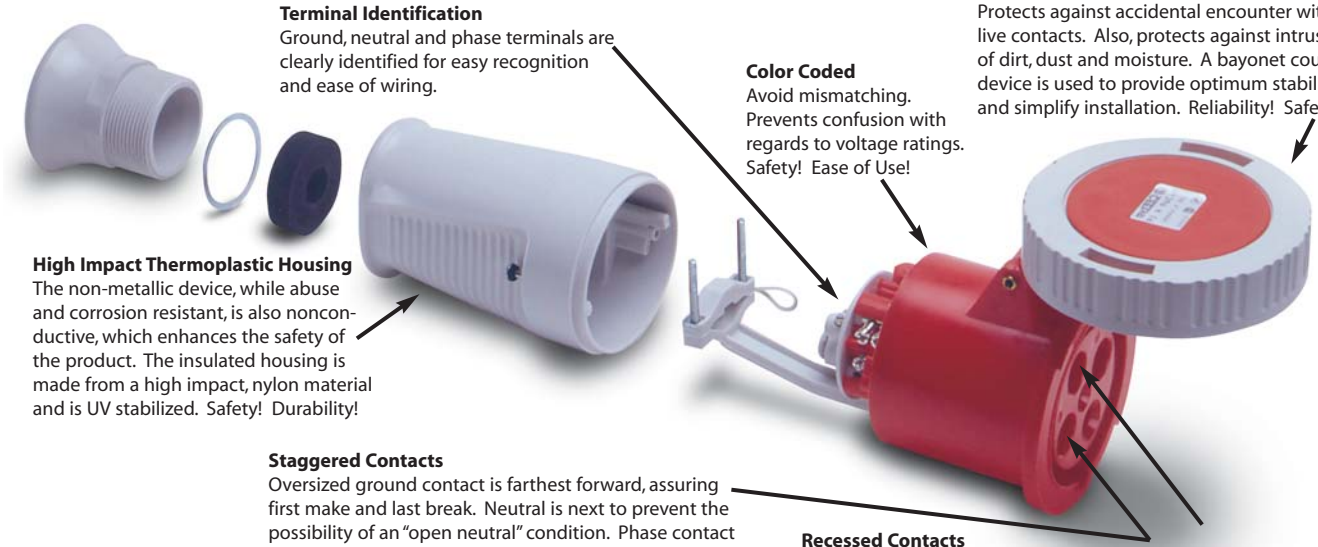
Electro-Zinc Plated Steel Screws
Corrosion resistant. Captive; no loose parts to handle or misplace. Durability! Ease of Use!

Locking Ring and Gasket
Protects against intrusion of dirt, dust and moisture when the male and female devices are connected. Reliability!

Terminal Identification
Ground, neutral and phase terminals are clearly identified for easy recognition and ease of wiring.

Spring Loaded Gasketed Covers
Protects against accidental encounter with live contacts. Also, protects against intrusion of dirt, dust and moisture. A bayonet coupling device is used to provide optimum stability and simplify installation. Reliability! Safety!

Color Coded
Avoid mismatching. Prevents confusion with regards to voltage ratings. Safety! Ease of Use!



High Impact Thermoplastic Housing
The non-metallic device, while abuse and corrosion resistant, is also nonconductive, which enhances the safety of the product. The insulated housing is made from a high impact, nylon material and is UV stabilized. Safety! Durability!

Staggered Contacts
Oversized ground contact is farthest forward, assuring first make and last break. Neutral is next to prevent the possibility of an "open neutral" condition. Phase contact is farthest making it last to make, first to break. Safety!

Recessed Contacts
Contact sleeves are recessed in the narrow contact tubes thus, providing a "finger proof" device and protecting against any accidental encounter with live contacts. Safety!

Retaining Device
Pin & Sleeve devices are provided with a mechanical arrangement which holds a plug or connector in position when it is in proper engagement, and prevents its unintentional withdrawal.

Double Terminal Screws
Maximum clamping pressure without damaging strands. Double terminal screws create a large area of safe and secure contact between conductor and terminal. Screws are captive, easily accessible and supplied in the open position.

Solid Brass Pins
Low contact resistance and high conductivity. Long lasting, reliable electrical contact. Reliability!

Chamfered Terminals
Funnel Entry. Guides and captures all wire strands.

Split Contact Sleeve with Nickel Plated Steel Springs
Provides optimum insertion/withdrawal force and constant contact pressure. Reliability!

Visibly the Best
ERICSON®
safety electrical specialties

IEC 309 Pin & Sleeve Devices

20 & 30 Amp Watertight Pin & Sleeve Devices

IP 67

20 and 30 Amp Watertight Pin & Sleeve Devices

				Receptacles		Plugs	Connectors	Inlets		
Amps	**Poles & Wires**	**Configuration Recep./ Conn. Plug/ Inlet**	**Voltage**	**Straight**	**Angled**			**Angled**	**Back Box[1]**	
20	2P3W		**vv250VDC**	320R3W	320RA3W	320P3W	320C3W	320BA3W		
	2P3W		**125**	320R4W	320RA4W	320P4W	320C4W	320BA4W		
	2P3W		**250**	320R6W	320RA6W	320P6W	320C6W	320BA6W		
	2P3W		**480**	320R7W	320RA7W	320P7W	320C7W	320BA7W		
	2P3W		**277**	320R5W	320RA5W	320P5W	320C5W	320BA5W		
	3P4W		**125/250**	420R12W	420RA12W	420P12W	420C12W	420BA12W	BB201W	BB301W
	3P4W		**3Ø250**	420R9W	420RA9W	420P9W	420C9W	420BA9W	BB201W	BB301W
	3P4W		**3Ø480**	420R7W	420RA7W	420P7W	420C7W	420BA7W	BB201W	BB301W
	3P4W		**3Ø600**	420R5W	420RA5W	420P5W	420C5W	420BA5W	BB201W	BB301W
	4P5W		**3ØY120/208**	520R9W	520RA9W	520P9W	520C9W	520BA9W	BB201W	BB301W
	4P5W		**3ØY277/480**	520R7W	520RA7W	520P7W	520C7W	520BA7W	BB201W	BB301W
	4P5W		**3ØY347/600**	520R5W	520RA5W	520P5W	520C5W	520BA5W	BB201W	BB301W
30	2P3W		**250VDC**	330R3W	330RA3W	330P3W	330C3W	330BA3W	BB201W	BB301W
	2P3W		**125**	330R4W	330RA4W	330P4W	330C4W	330BA4W	BB201W	BB301W
	2P3W		**250**	330R6W	330RA6W	330P6W	330C6W	330BA6W	BB201W	BB301W
	2P3W		**480**	330R7W	330RA7W	330P7W	330C7W	330BA7W	BB201W	BB301W
	2P3W		**277**	330R5W	330RA5W	330P5W	330C5W	330BA5W	BB201W	BB301W
	3P4W		**125/250**	430R12W	430RA12W	430P12W	430C12W	430BA12W	BB201W	BB301W
	3P4W		**3Ø250**	430R9W	430RA9W	430P9W	430C9W	430BA9W	BB201W	BB301W
	3P4W		**3Ø480**	430R7W	430RA7W	430P7W	430C7W	430BA7W	BB201W	BB301W
	3P4W		**3Ø600**	430R5W	430RA5W	430P5W	430C5W	430BA5W	BB201W	BB301W
	4P5W		**50-600 400Hz**	530R2W	530RA2W	530P2W	530C2W	530BA2W	BB201W	BB301W
	4P5W		**3ØY120/208**	530R9W	530RA9W	530P9W	530C9W	530BA9W	BB201W	BB301W
	4P5W		**3ØY277/480**	530R7W	530RA7W	530P7W	530C7W	530BA7W	BB201W	BB301W
	4P5W		**3ØY347/600**	530R5W	530RA5W	530P5W	530C5W	530BA5W	BB201W	BB301W

1. Back Box for use with Receptacles only. Select Back Box with Hub Size to fit your application refer to the back boxes & closure caps page in this section.

IP 67

60 and 100 Amp Watertight Pin & Sleeve Devices

				Receptacles		Plugs	Connectors	Inlets			
Amps	**Poles & Wires**	**Configuration Recep./ Conn. Plug/ Inlet**	**Voltage**	**Straight**	**Angled**			**Straight**	**Angled**	**Back Box[1]**	
60	2P3W		**250VDC**	360R3W	360RA3W	360P3W	360C3W		360BA3W	BB601W	BB602W
	2P3W		**125**	360R4W	360RA4W	360P4W	360C4W		360BA4W	BB601W	BB602W
	2P3W		**250**	360R6W	360RA6W	360P6W	360C6W		360BA6W	BB601W	BB602W
	2P3W		**480**	360R7W	360RA7W	360P7W	360C7W		360BA7W	BB601W	BB602W
	2P3W		**277**	360R5W	360RA5W	360P5W	360C5W		360BA5W	BB601W	BB602W
	3P4W		**125/250**	460R12W	460RA12W	460P12W	460C12W		460BA12W	BB601W	BB602W
	3P4W		**3Ø250**	460R9W	460RA9W	460P9W	460C9W		460BA9W	BB601W	BB602W
	3P4W		**3Ø480**	460R7W	460RA7W	460P7W	460C7W		460BA7W	BB601W	BB602W
	3P4W		**3Ø600**	460R5W	460RA5W	460P5W	460C5W		460BA5W	BB601W	BB602W
	4P5W		**3ØY120/208**	560R9W	560RA9W	560P9W	560C9W		560BA9W	BB601W	BB602W
	4P5W		**3ØY277/480**	560R7W	560RA7W	560P7W	560C7W		560BA7W	BB601W	BB602W
	4P5W		**3ØY347/600**	560R5W	560RA5W	560P5W	560C5W		560BA5W	BB601W	BB602W
100	2P3W		**250VDC**	3100R3W	3100RA3W	3100P3W	3100C3W	3100B3W		BB1001W	BB1002W
	2P3W		**125**	3100R4W	3100RA4W	3100P4W	3100C4W	3100B4W		BB1001W	BB1002W
	2P3W		**250**	3100R6W	3100RA6W	3100P6W	3100C6W	3100B6W		BB1001W	BB1002W
	2P3W		**480**	3100R7W	3100RA7W	3100P7W	3100C7W	3100B7W		BB1001W	BB1002W
	2P3W		**277**	3100R5W	3100RA5W	3100P5W	3100C5W	3100B5W		BB1001W	BB1002W
	3P4W		**125/250**	4100R12W	4100RA12W	4100P12W	4100C12W	4100B12W		BB1001W	BB1002W
	3P4W		**3Ø250**	4100R9W	4100RA9W	4100P9W	4100C9W	4100B9W		BB1001W	BB1002W
	3P4W		**3Ø480**	4100R7W	4100RA7W	4100P7W	4100C7W	4100B7W		BB1001W	BB1002W
	3P4W		**3Ø600**	4100R5W	4100RA5W	4100P5W	4100C5W	4100B5W		BB1001W	BB1002W
	4P5W		**3ØY120/208**	5100R9W	5100RA9W	5100P9W	5100C9W	5100B9W		BB1001W	BB1002W
	4P5W		**3ØY277/480**	5100R7W	5100RA7W	5100P7W	5100C7W	5100B7W		BB1001W	BB1002W
	4P5W		**3ØY347/600**	5100R5W	5100RA5W	5100P5W	5100C5W	5100B5W		BB1001W	BB1002W

1. Back Box for use with Receptacles only. Select Back Box with Hub Size to fit your application refer to the back boxes & closure caps page in this section.

IEC 309 Pin & Sleeve Devices

IP 44 Splashproof Pin & Sleeve Devices with Cable Gland

IP 44 20, 30 and 60 Amp *Splashproof* Pin & Sleeve Devices with Cable Gland

Amps	Poles & Wires	Configuration Recep./ Conn. Plug/ Inlet	Voltage	Receptacles Straight	Receptacles Angled	Plugs	Connectors	Inlets Straight	Inlets Angled	Back Box[1]	
20	2P3W		250VDC	320R3S	320RA3S	320P3S	320C3S	320B3S			
	2P3W		125	320R4S	320RA4S	320P4S	320C4S	320B4S			
	2P3W		250	320R6S	320RA6S	320P6S	320C6S	320B6S			
	2P3W		480	320R7S	320RA7S	320P7S	320C7S	320B7S			
	2P3W		277	320R5S	320RA5S	320P5S	320C5S	320B5S			
	3P4W		125/250	420R12S	420RA12S	420P12S	420C12S	420B12S		BB201W	BB301W
	3P4W		3Ø250	420R9S	420RA9S	420P9S	420C9S	420B9S		BB201W	BB301W
	3P4W		3Ø480	420R7S	420RA7S	420P7S	420C7S	420B7S		BB201W	BB301W
	3P4W		3Ø600	420R5S	420RA5S	420P5S	420C5S	420B5S		BB201W	BB301W
	4P5W		3ØY120/208	520R9S	520RA9S	520P9S	520C9S	520B9S		BB201W	BB301W
	4P5W		3ØY277/480	520R7S	520RA7S	520P7S	520C7S	520B7S		BB201W	BB301W
	4P5W		3ØY347/600	520R5S	520RA5S	520P5S	520C5S	520B5S		BB201W	BB301W
	6P7W		250	720R9S		720P9S	720C9S	720B9S		BB201W	BB301W
	6P7W		480	720R7S		720P7S	720C7S	720B7S		BB201W	BB301W
30	2P3W		250VDC	330R3S	330RA3S	330P3S	330C3S	330B3S		BB201W	BB301W
	2P3W		125	330R4S	330RA4S	330P4S	330C4S	330B4S		BB201W	BB301W
	2P3W		250	330R6S	330RA6S	330P6S	330C6S	330B6S		BB201W	BB301W
	2P3W		480	330R7S	330RA7S	330P7S	330C7S	330B7S		BB201W	BB301W
	2P3W		277	330R5S	330RA5S	330P5S	330C5S	330B5S		BB201W	BB301W
	3P4W		125/250	430R12S	430RA12S	430P12S	430C12S	430B12S		BB201W	BB301W
	3P4W		3Ø250	430R9S	430RA9S	430P9S	430C9S	430B9S		BB201W	BB301W
	3P4W		3Ø480	430R7S	430RA7S	430P7S	430C7S	430B7S		BB201W	BB301W
	3P4W		3Ø600	430R5S	430RA5S	430P5S	430C5S	430B5S		BB201W	BB301W
	4P5W		50-600 400Hz	530R2S	530RA2S	530P2S	530C2S	530B2S		BB201W	BB301W
	4P5W		3ØY120/208	530R9S	530RA9S	530P9S	530C9S	530B9S		BB201W	BB301W
	4P5W		3ØY277/480	530R7S	530RA7S	530P7S	530C7S	530B7S		BB201W	BB301W
	4P5W		3ØY347/600	530R5S	530RA5S	530P5S	530C5S	530B5S		BB201W	BB301W
	6P7W		250	730R9S		730P9S	730C9S	730B9S		BB201W	BB301W
	6P7W		480	730R7S		730P7S	730C7S	730B7S		BB201W	BB301W
60	2P3W		250VDC	360R3S	360RA3S	360P3S	360C3S		360BA3S	BB601W	BB601W
	2P3W		125	360R4S	360RA4S	360P4S	360C4S		360BA4S	BB601W	BB601W
	2P3W		250	360R6S	360RA6S	360P6S	360C6S		360BA6S	BB601W	BB601W
	2P3W		480	360R7S	360RA7S	360P7S	360C7S		360BA7S	BB601W	BB601W
	2P3W		277	360R5S	360RA5S	360P5S	360C5S		360BA5S	BB601W	BB601W
	3P4W		125/250	460R12S	460RA12S	460P12S	460C12S		460BA12S	BB601W	BB601W
	3P4W		3Ø250	460R9S	460RA9S	460P9S	460C9S		460BA9S	BB601W	BB601W
	3P4W		3Ø480	460R7S	460RA7S	460P7S	460C7S		460BA7S	BB601W	BB601W
	3P4W		3Ø600	460R5S	460RA5S	460P5S	460C5S		460BA5S	BB601W	BB601W
	4P5W		50-600 400Hz	560R2S	560RA2S	560P2S	560C2S		560BA2S	BB601W	BB601W
	4P5W		3ØY120/208	560R9S	560RA9S	560P9S	560C9S		560BA9S	BB601W	BB601W
	4P5W		3ØY277/480	560R7S	560RA7S	560P7S	560C7S		560BA7S	BB601W	BB601W
	4P5W		3ØY347/600	560R5S	560RA5S	560P5S	560C5S		560BA5S	BB601W	BB601W

1. Back Box for use with Receptacles only. Select Back Box with Hub Size to fit your application refer to the back boxes & closure caps page in this section.

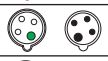
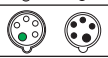
IP 44

Economy Splashproof Pin & Sleeve Devices with Cable Sleeve

Splashproof (IP44) Economy Devices have been designed for applications that don't require an IP67 rated device, but desire many of the same features. These products feature a cable sleeve cord entry that seals out moisture and contaminants while accomodating a wide range of cable sizes. Molded-in markings make it easy to identify the proper point to cut off the boot to accommodate your cable diameter.

Other Features Include:

- Retaining Device
- Internal Strain Relief with "Swing-Away" Feature
- Shrouded Pins
- Electro Zinc Plated Steel Screws
- Spring Loaded Gasketed Covers
- Color Coded
- Terminal Identification
- High Impact Thermoplastic Housing
- Staggered Contacts
- Recessed Contacts

Poles & Wires	Configuration Recep./ Conn. Plug/ Inlet	Voltage	20 Amp Devices		30 Amp Devices		60 Amp Devices	
			Plugs	Connectors	Plugs	Connectors	Plugs	Connectors
2P3W		250VDC	320P3E	320C3E	330P3E	330C3E	360P3E	360C3E
2P3W		125	320P4E	320C4E	330P4E	330C4E	360P4E	360C4E
2P3W		250	320P6E	320C6E	330P6E	330C6E	360P6E	360C6E
2P3W		480	320P7E	320C7E	330P7E	330C7E	360P7E	360C7E
2P3W		277	320P5E	320C5E	330P5E	330C5E	360P5E	360C5E
3P4W		125/250	420P12E	420C12E	430P12E	430C12E	460P12E	460C12E
3P4W		3Ø250	420P9E	420C9E	430P9E	430C9E	460P9E	460C9E
3P4W		3Ø480	420P7E	420C7E	430P7E	430C7E	460P7E	460C7E
3P4W		3Ø600	420P5E	420C5E	430P5E	430C5E	460P5E	460C5E
4P5W		3ØY120/208	520P9E	520C9E	530P9E	530C9E	560P9E	560C9E
4P5W		3ØY277/480	520P7E	520C7E	530P7E	530C7E	560P7E	560C7E
4P5W		3ØY347/600	520P5E	520C5E	530P5E	530C5E	560P5E	560C5E
6P7W		250	720P9E	720C9E	730P9E	730C9E		
6P7W		480	720P7E	720C7E	730P7E	730C7E		

Visibly the Best
ERICSON®
safety electrical specialties

IEC 309 Pin & Sleeve Devices

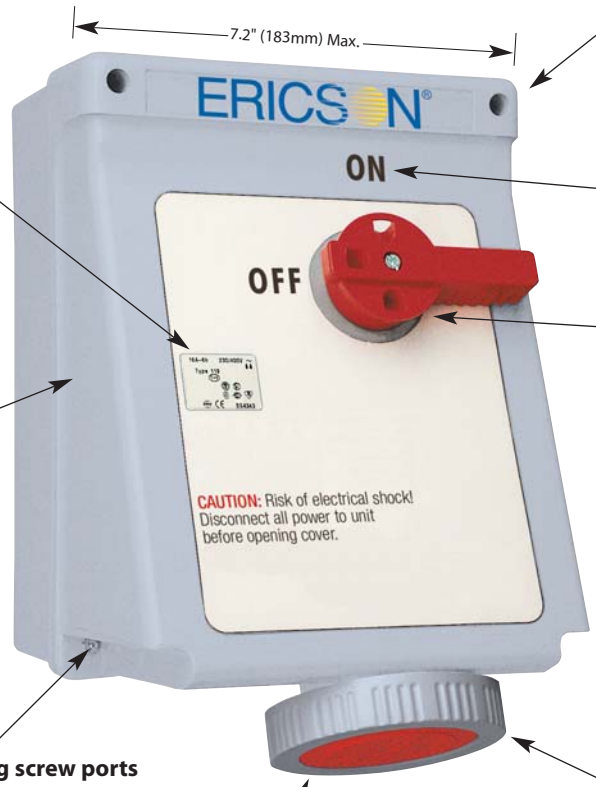
Mechanical Interlocks

Ericson Mechanical Interlocks combine a disconnect switch and receptacle into one device that eliminates the making and breaking of plug and receptacle under load. The safety mechanism within the enclosure prevents the switch from being turned to the "ON" position until the plug is fully inserted into the receptacle. Once fully engaged, the plug is locked into place when the switch is turned on and cannot be removed until the switch is turned to the"OFF" position. This prevents making or breaking the circuit under load. Ericson mechanical interlocks are also available with optional circuit breaker (see inset photo).

Easy Identification
Catalog number, rating and certifications are indicated on the label for easy identification of mating devices.

Variety - 20A, 30A, 60A & 100A ratings in watertight (IP67) and Splashproof (IP44) ratings.

Watertight NEMA 4X, 12K Enclosure
Ericson's Mechanical Interlocks are gasketed and rated as a Watertight NEMA 4X, 12K enclosure. The nonmetallic enclosure, while abuse and corrosion resistant, is also non-conductive which enhances the safety of the product.



Compact Size
All versions and sizes are designed to fit within the web of an 8" column. This compact size allows the use of columns as a mounting location.

On/Off markings
Clearly visible On/Off markings indicate power status.

Compliance with OSHA Lockout Requirements
Ericson's Mechanical Interlock's bright red handle can be locked in the "OFF" position as a method of compliance with OSHA lockout requirements. The handle can accept up to a 5/16" padlock shaft.

Mounting screw ports located outside enclosure gasket to insure integrity of seal.

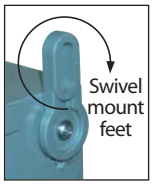
Color Coded Receptacle Covers
Receptacle covers are color-coded by voltage in accordance with IEC 309 standard.

460MI7W-LB Shown

Available with optional circuit breaker in 20, 30, 60, and 100 Amp models.

Interchangeability completely interchangeable with other manufacturers' IEC 309-1 and IEC 309-2 devices.

A Pre-Molded Offset Dimple
A pre-molded offset dimple (drill point) is provided instead of a conduit entry hole. This allows the installer to choose the size of the conduit to be used, and the location where the conduit will be attached to the enclosure (top, bottom or side entry) without the use of knockout plugs and reducers. Arranging the conduit entry hole at the dimple location will prevent condensation from falling directly on the interior electrical components, such as the switch. It will also allow for more room to pull conductors when wiring.



Swivel Mount Feet (135°)
Swivel mount feet can be used for installations where irregular or tight fit applications exist.

Specifications & Listings

Electrical

Dielectric Voltage Withstand	3,000 Volts
Maximum Working Voltage	600 Volts RMS (switch version) 480 Volts RMS (circuit breaker version)
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical: 10,000 cycles Electrical: 6,000 cycles

Mechanical

Impact Resistance	In accordance with UL 746C
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification, ratings and color code in accordance with UL, CSA and IEC requirements.
Lockout/Tagout	"ON" and "OFF" lockout/tagout capability at switch handle. Complies with OSHA Reg. 29CFR 1910.147
Mounting	External adjustable feet.

Environmental

Moisture Resistance	Watertight IP67 (Washdown) - UL Type 4X Splashproof IP44
Flammability	UL94-5VA & V0 Classifications
Operating Temperatures	Maximum Continuous: 60°C (140°F) Minimum Continuous: -40°C (-40°F)
UV Resistance	UV stabilized material
Chemicals	Resists most standard industrial hydrocarbons, acids, bases and solvents.

Materials

Enclosure (all exterior components)	UL94-5VA/V0, UV stabilized, impact modified Valox®.
Contact Carrier	Molded arc resistant UL94-V0 thermoplastic
Gaskets	Neoprene or EPDM
Contacts (Watertight IP67)	Brass, Nickel Plated
Contacts (Splashproof (IP44)	Brass
Hardware (screws & springs)	Steel with zinc-plated blue chromate or nickel plating .

Approvals & Compliances

UL 508 (switch version) Motor Disconnect
UL 508 (compact version) Manual Motor Controller
UL 231 & UL 489 (circuit breaker version)
UL1682 & 1686
CSA C22.2 No. 14, 182.1
IEC 309-1 & IEC 309-2

IEC 309 Pin & Sleeve Devices

Mechanical Interlocks - IP67 Watertight

Selection Guide - IP67 Mechanical Interlocks without circuit breakers

Poles & Wires	Configuration Recept Conn.	Configuration Plug Inlet	Voltage	Horsepower Rating 20A & 30A Only	20 Amps	30 Amps	60 Amps	100 Amps	Horsepower Rating 60A & 100A Only
2P3W			120	2	320MI4W-L	330MI4W-L	360MI4W-L	3100MI4W-L	3
2P3W			240	5	320MI6W-L	330MI6W-L	360MI6W-L	3100MI6W-L	7.5
2P3W			480	10	320MI7W-L	330MI7W-L	360MI7W-L	3100MI7W-L	15
3P4W			120/240	2 @ 120 5 @ 240	420MI12W-L	430MI12W-L	460MI12W-L	4100MI12W-L	3 @ 120 7.5 @ 240
3P4W			3Ø 240	10	420MI9W-L	430MI9W-L	460MI9W-L	4100MI9W-L	15
3P4W			3Ø 480	20	420MI7W-L	430MI7W-L	460MI7W-L	4100MI7W-L	25
3P4W			3Ø 600	25	420MI5W-L	430MI5W-L	460MI5W-L	4100MI5W-L	30
4P5W			3Ø Y 120/208	10	520MI9W-L	530MI9W-L	560MI9W-L	5100MI9W-L	15
4P5W			3Ø Y 277/480	20	520MI7W-L	530MI7W-L	560MI7W-L	5100MI7W-L	25
4P5W			3Ø Y 347/600	25	520MI5W-L	530MI5W-L	560MI5W-L	5100MI5W-L	30

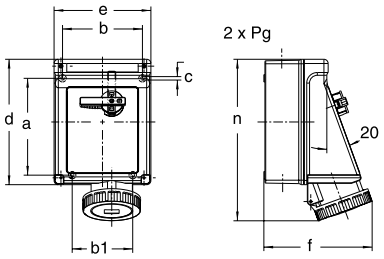
Notes:
1. Also available in IP44 splashproof models - contact factory for availability

Selection Guide - IP67 Mechanical Interlocks with Circuit Breakers

Poles & Wires	Configuration Recept Conn.	Configuration Plug Inlet	Voltage	Horsepower Rating 20A & 30A Only	20 Amps	30 Amps	60 Amps	Horsepower Rating 60A Only
2P3W			120	2	320MI4W-LB	330MI4W-LB	360MI4W-LB	3
2P3W			240	5	320MI6W-LB	330MI6W-LB	360MI6W-LB	7.5
2P3W			480	10	320MI7W-LB	330MI7W-LB	360MI7W-LB	15
3P4W			120/240	2 @ 120 5 @ 240	420MI12W-LB	430MI12W-LB	460MI12W-LB	3 @ 120 7.5 @ 240
3P4W			3Ø 240	10	420MI9W-LB	430MI9W-LB	460MI9W-LB	15
3P4W			3Ø 480	20	420MI7W-LB	430MI7W-LB	460MI7W-LB	25
3P4W			3Ø 600	25	420MI5W-LB	430MI5W-LB	460MI5W-LB	30
4P5W			3Ø Y 120/208	10	520MI9W-LB	530MI9W-LB	560MI9W-LB	15
4P5W			3Ø Y 277/480	20	520MI7W-LB	530MI7W-LB	560MI7W-LB	25
4P5W			3Ø Y 347/600	25	520MI5W-LB	530MI5W-LB	560MI5W-LB	30

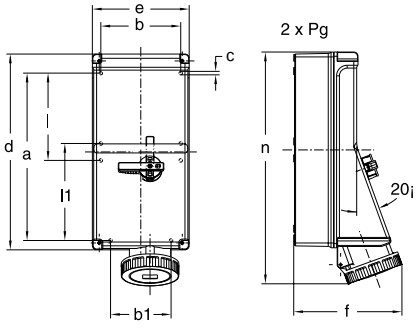
Notes:
1. Also available in IP44 splashproof models - contact factory for availability
2. For 100 Amp models with circuit breaker consult factory

20A, 30A & 60A IP67 Watertight Models:



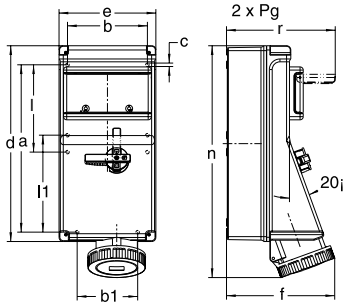
Amps N.A.	Amps Int'l	Poles and Wires		Dimensions a	b	b1	c	d	e	NEMA 4X IP44 f	NEMA 4X IP67 f	NEMA 4X IP44 n	NEMA 4X IP67 n
20	16	2P3W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.17	7.60	10.55	10.63
			mm	183	151	114	6.5	237	183	182	193	268	270
20	16	3P4W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.36	7.64	10.63	10.71
			mm	183	151	114	6.5	237	183	187	194	270	272
20	16	4P5W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.24	7.72	10.75	10.91
			mm	183	151	114	6.5	237	183	184	196	273	277
30	32	2P3W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.36	7.91	11.10	11.22
			mm	183	151	114	6.5	237	183	187	201	282	285
30	32	3P4W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.36	7.91	11.10	11.22
			mm	183	151	114	6.5	237	183	187	201	282	285
30	32	4P5W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.44	7.91	11.18	11.38
			mm	183	151	114	6.5	237	183	189	201	284	289
60	63	2P3W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.72	8.23	11.89	12.17
			mm	183	151	114	6.5	237	183	196	209	302	309
60	63	3P4W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.72	8.23	11.89	12.17
			mm	183	151	114	6.5	237	183	196	209	302	309
60	63	4P5W	inch	7.20	5.94	4.49	0.26	9.33	7.20	7.72	8.23	11.89	12.17
			mm	183	151	114	6.5	237	183	196	209	302	309

100A IP67 Watertight Models:



Amps N.A.	Amps Int'l	Poles and Wires		Dimensions a	b	b1	c	d	e	NEMA 4X IP44 f	NEMA 4X IP67 f	NEMA 4X IP44 l	NEMA 4X IP67 l1	n	n
100	125	2P3W	inch	12.44	5.94	4.96	0.26	14.57	7.20		9.57				17.72
			mm	316	151	126	6.5	370	183		243				450
100	125	3P4W	inch	12.44	5.94	4.96	0.26	14.57	7.20		9.57				17.72
			mm	316	151	126	6.5	370	183		243				450
100	125	4P5W	inch	12.44	5.94	4.96	0.26	14.57	7.20		9.57				17.72
			mm	316	151	126	6.5	370	183		243				450

20A, 30A, 60A IP67 Watertight Models with Circuit Breakers:



Amps N.A.	Amps Int'l	Poles and Wires		Dimensions a	b	b1	c	d	e	NEMA 4X IP44 f	NEMA 4X IP67 f	NEMA 4X IP44 l	NEMA 4X IP67 l1	n	n	r
20	16	2P3W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.17	7.60	6.50	7.20	15.79	15.91	8.11
			mm	316	151	114	6.5	370	183	182	193	165	183	401	404	206
20	16	3P4W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.36	7.64	6.50	7.20	15.91	15.94	8.11
			mm	316	151	114	6.5	370	183	187	194	165	183	404	405	206
20	16	4P5W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.24	7.72	6.50	7.20	15.94	16.14	8.11
			mm	316	151	114	6.5	370	183	184	196	165	183	405	410	206
30	32	2P3W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.36	7.91	6.50	7.20	16.34	16.46	8.11
			mm	316	151	114	6.5	370	183	187	201	165	183	415	418	206
30	32	3P4W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.36	7.91	6.50	7.20	16.34	16.46	8.11
			mm	316	151	114	6.5	370	183	187	201	165	183	415	418	206
30	32	4P5W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.44	7.91	6.50	7.20	16.42	16.46	8.11
			mm	316	151	114	6.5	370	183	189	201	165	183	417	418	206
60	63	2P3W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.72	8.23	6.50	7.20	17.01	17.44	8.11
			mm	316	151	114	6.5	370	183	196	209	165	183	432	443	206
60	63	3P4W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.72	8.23	6.50	7.20	17.01	17.44	8.11
			mm	316	151	114	6.5	370	183	196	209	165	183	432	443	206
60	63	4P5W	inch	12.44	5.94	4.49	0.26	14.57	7.20	7.72	8.23	6.50	7.20	17.01	17.44	8.11
			mm	316	151	114	6.5	370	183	196	209	165	183	432	443	206

IEC 309 Pin & Sleeve Devices

Back Boxes & Closure Caps

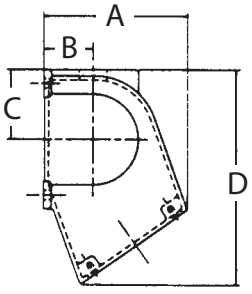
Back Boxes for use with Ericson watertight and splashproof receptacles

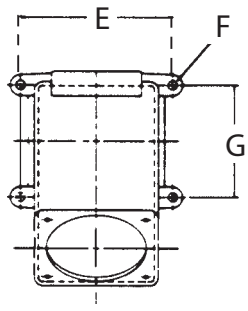
Cat. No.	Description	Hub Size	Dimensions (Inches)							Cubic Inch Capacity
			A	B	C	D	E	F	G	
BB201W	20° Angle for 20A, 4 and 5 wire receps. and all 30A receps.	¾″	3.34	0.97	1.12	4.12	4.00	0.25	2.38	20.4
BB301W		1″								
BB601W	20° Angle for all 60A receptacles	1¼″	4.41	1.41	2.09	5.63	5.00	0.28	3.00	59.7
BB602W		1½″								
BB1001W	20° Angle for all 100A receptacles	1½″	5.18	1.78	2.50	7.71	5.50	0.34	4.00	96.6
BB1002W		2″								

NOTE: For availability of straight back boxes, please contact the factory.

Cast Aluminum Junction Boxes for Watertight and Splashproof Receptacles

Epoxy-coated junction boxes are corrosion resistant and designed to pass the 500-hour salt spray test, UL hosedown and external icing test.





Watertight Closure Caps for use with watertight male plugs and inlets

Cat. No.	Poles and Wires	Amperage Rating	Standard Pkg. Quantity
PC320	3 Wire	20	5
PC3430		30	5
PC60		60	2
PC100		100	2
PC420	4 Wire	20	5
PC3430		30	5
PC60		60	2
PC100		100	2
PC520	5 Wire	20	5
PC530		30	5
PC60		60	2
PC100		100	2

ELECTRICAL

Insulation Resistance Per IEC 309-1, Clause 19	500V for 1 min. Resistance 5 M
Dielectric Strength Per IEC 309-1, Clause 19	3000V for 1 min.
Norm. Operation, Connect & Disconnect Cycles Per IEC 309-1, Clause 21	See Table 1
Breaking Capacity Per IEC 309-1, Clause 20	Tested at 110 % of the rated operating voltage and 125% of the rated current.
Temperature Rise Per IEC 309-1, Clause 22	Maximum 50 K rise at full rated current.

MECHANICAL

Cable Secureness Per IEC 309, Clause 23	See Table 2
Impact Per IEC 309, Clause 24	A device is wired with a 2.25m length of flexible cord and dropped from a height of 75 cm, 8 times. The device is then tested for applicable degrees of protection against moisture.

ENVIRONMENTAL

Flammability	Self-extinguishing Per IEC 309-1, Clause 27
Ambient Temperature Range	Minimum: -25°C with impact Maximum: 90°C
Moisture Resistance	Watertight (IP67): Device immersed for 24 hours in water at a temp. of 25°C, the highest point of the device being 5cm (2") below the water level. Splashproof (IP44): Device is sprayed with water for 10 minutes and immediately afterwards subjected to splashing water in all directions (360°).
UV Resistance	Exposed plastic materials are UV stabilized.

TABLE 1

Connect and Disconnect Cycles			
Device Rating Amperes	Cycles with Load at Rated Current and Voltage	No-Load Cycles	Sequence
16	5000 p.f of 0.6	0	-
32	1000 p.f of 0.6	1000	Alternating
63	1000 p.f of 0.6	1000	Alternating
125	250 p.f of 0.7	250	Alternating

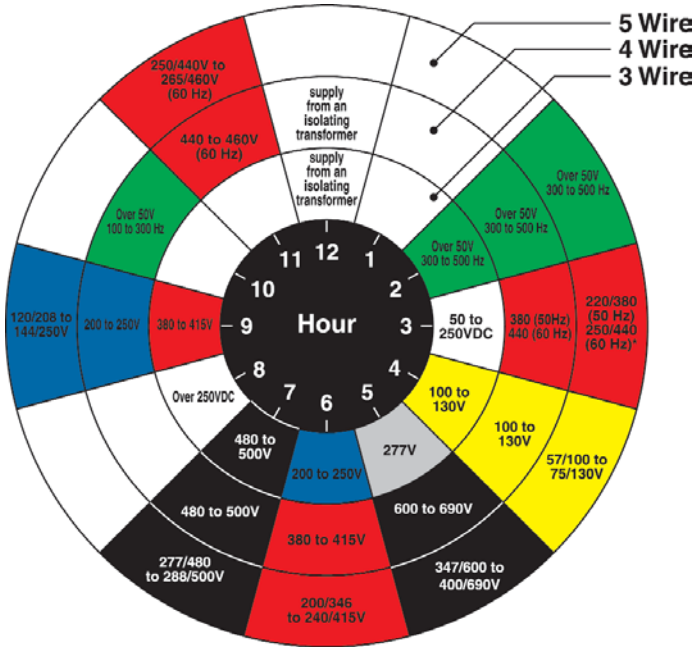
The test sequence is conducted by using a no-load, followed by a load sequence.

TABLE 2

Cable Secureness Test			
Device Rating Amperes	Force	Torque	Maximum Displacement
	N	N•m	mm
16	80	0.350	2
32	100	0.425	2
63	120	0.8	2
125	200	1.5	2

The flexible cord or cable is twisted and pulled. Values for the applied twisting torque and force of pull are shown in Table 2. In all cases the cord displacement is less than 2mm.

CEEtyp Clockface Positions in Accordance with IEC 309-2 and UL 1686



International Rating
Voltage AC (Except where noted)

IEC 309 Pin & Sleeve Devices

IP 67 Watertight Devices

IP 67

Watertight Devices

Amps	Poles & Wires	Voltage	Plugs	Connectors	Inlets		Receptacles	
					Straight	Angled	Straight	Angled
16	2P3W	100-130	316P4W	316C4W		316BA4W	316R4W	316RA4W
	2P3W	220-240	316P6W	316C6W		316BA6W	316R6W	316RA6W
	2P3W	380-415	316P9W	316C9W		316BA9W	316R9W	316RA9W
	3P4W	380-415 220-380	416P6W	416C6W		416BA6W	416R6W	416RA6W
	4P5W	240-415	516P6W	516C6W		516BA6W	516R6W	516RA6W
32	2P3W	100-130	332P4W	332C4W		332BA4W	332R4W	332RA4W
	2P3W	220-240	332P6W	332C6W		332BA6W	332R6W	332RA6W
	2P3W	380-415 380/50HZ	332P9W	332C9W		332BA9W	332R9W	332RA9W
	3P4W	440/60HZ	432P3W	432C3W		432BA3W	432R3W	
	3P4W	380-415 220-380	432P6W	432C6W		432BA6W	432R6W	432RA6W
	4P5W	240-415	532P6W	532C6W		532BA6W	532R6W	532RA6W
63	2P3W	100-130	363P4W	363C4W		363BA4W	363R4W	363RA4W
	2P3W	220-240	363P6W	363C6W		363BA6W	363R6W	363RA6W
	2P3W	380-415	363P9W	363C9W		363BA9W	363R9W	363RA9W
	3P4W	380-415 220-380	463P6W	463C6W		463BA6W	463R6W	4653RA6W
	4P5W	240-415	563P6W	563C6W		563BA6W	563R6W	563RA6W
125	2P3W	100-130	3125P4W	3125C4W	3125B4W		3125R4W	3125RA4W
	2P3W	220-240	3125P6W	3125C6W	3125B6W		3125R6W	3125RA6W
	2P3W	380-415	3125P9W	3125C9W	3125B9W		3125R9W	3125RA9W
	3P4W	380-415 220-380	4125P6W	4125C6W	4125B6W		4125R6W	4125RA6W
	4P5W	240-415	5125P6W	5125C6W	5125B6W		5125R6W	5125RA6W

IP 44

Devices (with Cable Glands)

Amps	Poles & Wires	Voltage	Plugs	Connectors	Inlets		Receptacles	
					Straight	Angled	Straight	Angled
16	2P3W	100-130	316P4S	316C4S	316B4S		316R4S	316RA4S
	2P3W	220-240	316P6S	316C6S	316B6S		316R6S	316RA6S
	2P3W	380-415	316P9S	316C9S	316B9S		316R9S	316RA9S
	3P4W	380-415 220-380	416P6S	416C6S	416B6S		416R6S	416RA6S
	4P5W	240-415	516P6S	516C6S	516B6S		516R6S	516RA6S
32	2P3W	100-130	332P4S	332C4S	332B4S		332R4S	332RA4S
	2P3W	220-240	332P6S	332C6S	332B6S		332R6S	332RA6S
	2P3W	380-415	332P9S	332C9S	332B96		332R9S	332RA9S
	3P4W	380-415 220-380	432P3S	432C6S	432B6S		432R6S	432RA6S
	4P5W	240-415	532P6S	532C6S	532B6S		532R6S	532RA6S
63	2P3W	100-130	363P4S	363C4S		363BA4S	363R4S	363RA4S
	2P3W	220-240	363P6S	363C6S		363BA6S	363R6S	363RA6S
	2P3W	380-415	363P9S	363C9S		363BA9S	363R9S	363RA9S
	3P4W	380-415 220-380	463P6S	463C6S		463BA6S	463R6S	463RA6S
	4P5W	240-415	563P6S	563C6S		563BA6S	563R6S	563RA6S

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IEC 309 Pin & Sleeve Devices

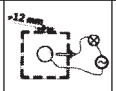
IP 44 Devices with Cable Sleeve

IP 44

Devices (with Cable Sleeve)

Amps	Poles & Wires	Voltage	Plugs	Connectors
16	2P3W	100-130	316P4E	316C4E
	2P3W	220-240	316P6E	316C6E
	2P3W	380-415	316P9E	316C9E
	3P4W	380-415 220-380	416P6E	416C6E
	495W	240-415	516P6E	516C6E
32	2P3W	100-130	332P4E	332C4E
	2P3W	220-240	332P6E	332C6E
	2P3W	380-415	332P9E	332C9E
	3P4W	380-415 220-380	432P6E	432C6E
	4P5W	240-415	532P6E	532C6E
63	2P3W	100-130	363P4E	363C4E
	2P3W	220-240	363P6E	363C6E
	2P3W	380-415	363P9E	363C9E
	3P4W	380-415 220-380	463P6E	463C6E
	4P5W	240-415	563P6E	563C6E

TABLE 1 - CHARACTERISTICS DEFINED BY THE CEI 70-1 - IEC 529 - IEC 144 - UTE C 20-010 - DIN 40050 STANDARDS

First Digit - Protection against persons - touching and ingress of solid foreign objects			Second Digit - Protection against the penetration of liquids								
			IP_0	IP_1	IP_2	IP_3	IP_4	IP_5	IP_6	IP_7	IP_8
			Non protected	Protection against vertical falling of water drops	Protection against falling of water drops at an angle up to 15° from the vertical	Protection against spraying water (rain) at an angle up to 60° from the vertical	Protection against splashing water from any direction (360°)	Protection against water jets from any direction (360°)	Protection against heavy seas (waves)	Protection against effects of immersion in water under defined conditions of pressure and time	Protection against continuous submersion in water
IP 0_		Without protection	IP 00								
IP 1_		Protection against touching with the hand and solid objects greater than 50mm dia.	IP 10	IP 11	IP 12						
IP 2_		Protection against touching with the finger and solid objects greater than 12mm dia.	IP 20	IP 21	IP 22	IP 23					
IP 3_		Protection against touching with tools, wires, etc. more than 2.5mm thick and solid objects greater than 2.5mm dia.	IP 30	IP 31	IP 32	IP 33	IP 34				
IP 4_		Protection against touching with tools, wires, etc. more than 1mm thick and solid objects greater than 1mm dia.	IP 40	IP 41	IP 42	IP 43	IP 44				
IP 5_		Unlimited protection against contact with live parts and damaging deposits of dust	IP 50				IP 54	IP 55			
IP 6_		Unlimited protection against contact with live parts and any penetration of dust	IP 60					IP 65	IP 66	IP 67	IP 68

In some countries a third digit (for mechanical security) is added.

TABLE 2

Designation	Intended Use and Description	Construction Requirements
3	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	Splashproof (IP44)
4	Indoor and outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Watertight (IP67)
4X	Indoor and outdoor use primarily to provide a degree of protection against corrosion, windblown splashing water, hose-directed water and damage from external ice formation.	Watertight (IP67)
6	Indoor and outdoor use primarily to provide a degree of protection against hose-directed water, and the entry of water during occasional temporary submersion at a limited depth and damage from external ice formation.	Watertight (IP67)
12, 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	Splashproof (IP44)

This information is provided only as a general guide. No specific recommendation is intended. As each application may vary, testing should be conducted by the user in the intended environment.

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IEC 309 Pin & Sleeve Devices

Useful Tables

TABLE 1 Cable and Conductor Strip Length

		Device Rating			
North American		20A	30A	60A	100A
International		16A	32A	63A	125A
Outer Jacket Strip Length	inch	2	2 1/2	3	4
	mm	50	63	76	102
Conductor Strip Length	inch	1/2	1/2	3/4	1 1/8
	mm	12	12	19	28
Pilot Conductor Strip Length	inch			7/16	5/8
	mm			11	16

TABLE 2 Maximum Torque applied to terminal screws

		Device Rating			
North American		20A	30A	60A	100A
International		16A	32A	63A	125A
Torque Terminal Screw	lb. - in.	7.1	7.1	17.6	35.3
	N - m	0.8	0.8	2	4
Torque Pilot Screw	lb. - in.			7.1	7.1
	N - m			0.8	0.8

TABLE 4 Metric and AWG/MCM conductor size equivalents

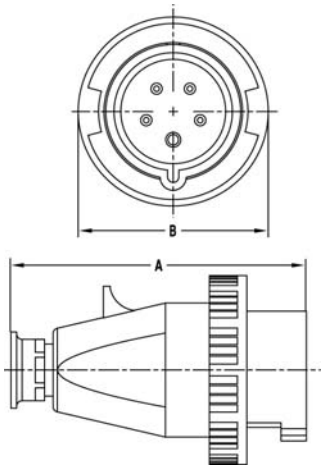
Conductor Size		Test Range (A)
mm²	AWG/MCM	
1,0	18	0-8
1,5	16	8-12
2,5	14	12-15
2,5	12	15-20
4,0	10	20-25
6,0	10	25-32
10	8	32-50
16	6	50-65
25	4	65-85
35	3	85-100
35	2	100-115
50	1	115-130
50	1/0	130-150
70	2/0	150-175
95	3/0	175-200
95	4/0	200-225
120	250	225-250
150	300	250-275
185	350	275-300
185	400	300-350
240	500	350-400

TABLE 3 Cable and Conductor Range

Amps		Poles &	From		To		Cord Grip Range			
								With Cable Gland		With Cable Sleeve	
N.A.	Intl.	Wires	AWG	Type	AWG	Type		North American	International	North American	International
16	20	2P3W	16	S	10	S	inch	0.275 - 0.530	0.275 - 0.530	0.275 - 0.675	0.275 - 0.675
							mm	7 - 13.5	7 - 13.5	7 - 17	7 - 17
		3P4W	16	S	10	S	inch	.395 - .825	0.275 - 0.630	0.315 - 0.800	0.315 - 0.800
							mm	10 - 21	7 - 16	8 - 20	8 - 20
		4P5W	16	S	10	S	inch	.395 - .825	0.275 - 0.630	0.315 - 0.800	0.315 - 0.800
							mm	10 - 21	7 - 16	8 - 20	8 - 20
30	32	2P3W	12	S	8	S	inch	.395 - .825	.395 - .825	0.590 - 0.950	0.435 - 0.950
							mm	10 - 21	10 - 21	15 - 24	11 - 24
		3P4W	12	S	8	S	inch	0.650 - 1.10	.395 - .825	0.590 - 0.950	0.435 - 0.950
							mm	16.5 - 28	10 - 21	15 - 24	11 - 24
		4P5W	12	S	8	S	inch	0.650 - 1.10	.395 - .825	0.590 - 0.950	0.435 - 0.950
							mm	16.5 - 28	10 - 21	15 - 24	11 - 24
60*	63*	2P3W	8	S	4	S or W	inch	.650 - 1.50	.650 - 1.50	0.635 - 1.30	0.600 - 1.30
							mm	16.5 - 38	16.5 - 38	16 - 33	15 - 33
		3P4W	8	S	4	S or W	inch	.650 - 1.50	.650 - 1.50	0.635 - 1.30	0.600 - 1.30
							mm	16.5 - 38	16.5 - 38	16 - 33	15 - 33
		4P5W	8	S	4	S or W	inch	.650 - 1.50	.650 - 1.50	0.635 - 1.30	0.600 - 1.30
							mm	16.5 - 38	16.5 - 38	16 - 33	15 - 33
100*	125*	2P3W	6	S or W	2/0	S or W	inch	.950 - 1.90	.950 - 1.90		
							mm	24 - 48	24 - 48		
		3P4W	6	S or W	2/0	S or W	inch	.950 - 1.90	.950 - 1.90		
							mm	24 - 48	24 - 48		
		4P5W	6	S or W	2/0	S or W	inch	.950 - 1.90	.950 - 1.90		
							mm	24 - 48	24 - 48		

* Pilot conductor 16 to 8 AWG

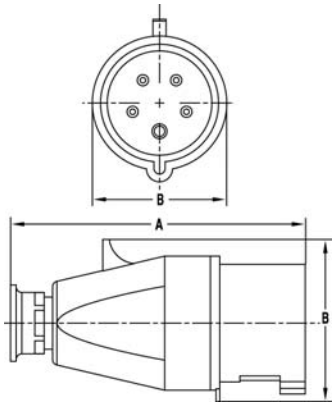
WATERTIGHT PLUGS (IP67)



Amps N.A.	Amps Intl.	Type		Dimensions A	Dimensions B	Cord Grip Range N. American	Cord Grip Range International
20	16	3 Wire	inch	4.96	2.83	0.275 - 0.530	0.275 - 0.530
			mm	126	72	7.0 - 13.5	7.0 - 13.5
20	16	4 Wire	inch	5.20	3.19	0.395 - 0.825	0.275 - 0.630
			mm	132	81	10.0 - 21.0	7.0 - 16.0
20	16	5 Wire	inch	5.20	3.46	0.395 - 0.825	0.275 - 0.630
			mm	132	88	10.0 - 21.0	7.0 - 16.0
30	32	3 Wire	inch	6.14	3.78	0.395 - 0.825	0.395 - 0.825
			mm	156	96	10.0 - 21.0	10.0 - 21.0
30	32	4 Wire	inch	6.14	3.78	0.650 - 1.10	0.395 - 0.825
			mm	156	96	16.5 - 28.0	10.0 - 21.0
30	32	5 Wire	inch	6.14	4.06	0.650 - 1.10	0.395 - 0.825
			mm	156	103	16.5 - 28.0	10.0 - 21.0
60	63	3, 4, & 5 Wire	inch	9.57	4.33	0.650 - 1.50	0.650 - 1.50
			mm	243	110	16.5 - 38.0	16.5 - 38.0
100	125	3, 4, & 5 Wire	inch	12.40	5.12	0.950 - 1.90	0.950 - 1.90
			mm	315	130	24.0 - 48.0	24.0 - 48.0

SPLASHPROOF PLUGS (IP44)

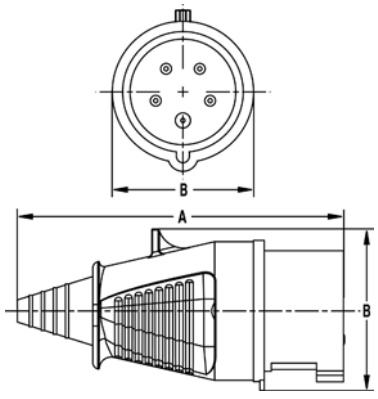
(with cable gland)



Amps N.A.	Amps Intl.	Type		Dimensions A	Dimensions B	Cord Grip Range N. American	Cord Grip Range International
20	16	3 Wire	inch	4.84	2.36	0.275 - 0.530	0.275 - 0.530
			mm	123	60	7.0 - 13.5	7.0 - 13.5
20	16	4 Wire	inch	5.16	2.68	0.395 - 0.825	0.275 - 0.630
			mm	131	68	10.0 - 21.0	7.0 - 16.0
20	16	5 & 7 Wire	inch	5.16	2.95	0.395 - 0.825	0.275 - 0.630
			mm	131	75	10.0 - 21.0	7.0 - 16.0
30	32	3 Wire	inch	6.10	3.11	0.395 - 0.825	0.395 - 0.825
			mm	155	79	10.0 - 21.0	10.0 - 21.0
30	32	4 Wire	inch	6.10	3.11	0.650 - 1.10	0.395 - 0.825
			mm	155	79	16.5 - 28.0	10.0 - 21.0
30	32	5 & 7 Wire	inch	6.10	3.46	0.650 - 1.10	0.395 - 0.825
			mm	155	88	16.5 - 28.0	10.0 - 21.0
60	63	3, 4, & 5 Wire	inch	9.45	3.82	0.650 - 1.50	0.650 - 1.50
			mm	240	97	16.5 - 38.0	16.5 - 38.0

SPLASHPROOF PLUGS (IP44)

(with cable sleeve)

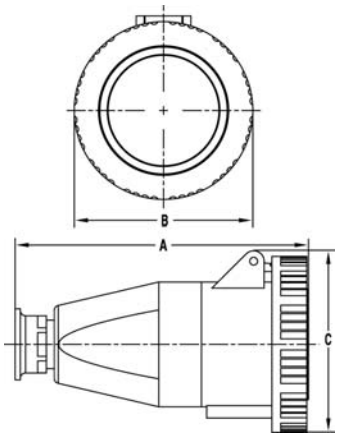


Amps N.A.	Amps Intl.	Type		Dimensions A	Dimensions B	Cord Grip Range N. American	Cord Grip Range International
20	16	3 Wire	inch	5.63	2.36	0.275 - 0.675	0.275 - 0.675
			mm	143	60	7.0 - 17.0	7.0 - 17.0
20	16	4 Wire	inch	5.79	2.68	0.315 - 0.800	0.315 - 0.800
			mm	147	68	8.0 - 20.0	8.0 - 20.0
20	16	5 & 7 Wire	inch	6.02	2.95	0.315 - 0.800	0.315 - 0.800
			mm	153	75	8.0 - 20.0	8.0 - 20.0
30	32	3 Wire	inch	7.13	3.11	0.590 - 0.950	0.435 - 0.950
			mm	181	79	15.0 - 24.0	11.0 - 24.0
30	32	4 Wire	inch	7.13	3.11	0.590 - 0.950	0.435 - 0.95
			mm	181	79	15.0 - 24.0	11.0 - 24.0
30	32	5 & 7 Wire	inch	7.13	3.46	0.590 - 0.950	0.435 - 0.95
			mm	181	88	15.0 - 24.0	11.0 - 24.0
60	63	3, 4, & 5 Wire	inch	9.92	3.82	0.635 - 1.30	0.600 - 1.30
			mm	252	97	16.0 - 33.0	15.0 - 33.0

IEC 309 Pin & Sleeve Devices

Approximate Dimensions

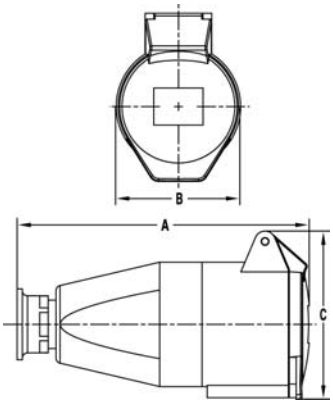
WATERTIGHT CONNECTORS (IP67)



Amps			Dimensions				Cord Grip Range	
N.A.	Intl.	Type		A	B	C	N. American	International
20	16	3 Wire	inch	5.35	2.83	3.07	0.275 - 0.530	0.275 - 0.530
			mm	136	72	78	7.0 - 13.5	7.0 - 13.5
20	16	4 Wire	inch	5.63	3.19	3.35	0.395 - 0.825	0.275 - 0.630
			mm	143	81	85	10.0 - 21.0	7.0 - 16.0
20	16	5 Wire	inch	5.63	3.46	3.58	0.395 - 0.825	0.275 - 0.630
			mm	143	88	91	10.0 - 21.0	7.0 - 16.0
30	32	3 Wire	inch	6.97	3.78	3.78	0.395 - 0.825	0.395 - 0.825
			mm	177	96	96	10.0 - 21.0	10.0 - 21.0
30	32	4 Wire	inch	6.97	3.78	3.78	0.650 - 1.10	0.395 - 0.825
			mm	177	96	96	16.5 - 28.0	10.0 - 21.0
30	32	5 Wire	inch	6.97	4.06	4.13	0.650 - 1.10	0.395 - 0.825
			mm	177	103	105	16.5 - 28.0	10.0 - 21.0
60	63	3, 4, & 5 Wire	inch	10.0	4.33	4.61	0.650 - 1.50	0.650 - 1.50
			mm	255	110	117	16.5 - 38.0	16.5 - 38.0
100	125	3, 4, & 5 Wire	inch	13.1	5.12	5.12	0.950 - 1.90	0.950 - 1.90
			mm	332	130	130	24.0 - 48.0	24.0 - 48.0

SPLASHPROOF CONNECTORS (IP44)

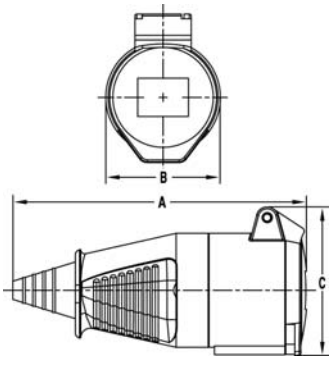
(with cable gland)



Amps			Dimensions				Cord Grip Range	
N.A.	Intl.	Type		A	B	C	N. American	International
20	16	3 Wire	inch	5.32	2.01	2.68	0.275 - 0.530	0.275 - 0.530
			mm	135	51	68	7.0 - 13.5	7.0 - 13.5
20	16	4 Wire	inch	5.95	2.56	3.35	0.395 - 0.825	0.275 - 0.630
			mm	151	65	85	10.0 - 21.0	7.0 - 16.0
20	16	5 & 7 Wire	inch	5.95	2.56	3.35	0.395 - 0.825	0.275 - 0.630
			mm	151	65	85	10.0 - 21.0	7.0 - 16.0
30	32	3 Wire	inch	6.73	2.83	3.58	0.395 - 0.825	0.395 - 0.825
			mm	171	72	91	10.0 - 21.0	10.0 - 21.0
30	32	4 Wire	inch	6.73	2.83	3.58	0.650 - 1.10	0.395 - 0.825
			mm	171	72	91	16.5 - 28.0	10.0 - 21.0
30	32	5 & 7 Wire	inch	6.73	2.83	3.86	0.650 - 1.10	0.395 - 0.825
			mm	171	72	98	16.5 - 28.0	10.0 - 21.0
60	63	3, 4, & 5 Wire	inch	10.0	3.78	4.49	0.650 - 1.50	0.650 - 1.50
			mm	255	96	114	16.5 - 38.0	16.5 - 38.0

SPLASHPROOF CONNECTORS (IP44)

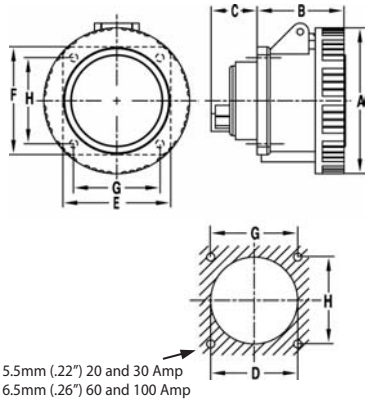
(with cable sleeve)



Amps			Dimensions				Cord Grip Range	
N.A.	Intl.	Type		A	B	C	N. American	International
20	16	3 Wire	inch	6.06	2.01	2.69	0.275 - 0.675	0.275 - 0.675
			mm	154	51	68.4	7.0 - 17.0	7.0 - 17.0
20	16	4 Wire	inch	6.54	2.56	2.97	0.315 - 0.800	0.315 - 0.800
			mm	166	65	75.4	8.0 - 20.0	8.0 - 20.0
20	16	5 & 7 Wire	inch	6.54	2.56	3.29	0.315 - 0.800	0.315 - 0.800
			mm	166	65	83.5	8.0 - 20.0	8.0 - 20.0
30	32	3 Wire	inch	7.72	2.83	3.54	0.590 - 0.950	0.435 - 0.950
			mm	196	72	90	15.0 - 24.0	11.0 - 24.0
30	32	4 Wire	inch	7.72	2.83	3.54	0.590 - 0.950	0.435 - 0.95
			mm	196	72	90	15.0 - 24.0	11.0 - 24.0
30	32	5 & 7 Wire	inch	7.72	2.83	3.78	0.590 - 0.950	0.435 - 0.95
			mm	196	72	96	15.0 - 24.0	11.0 - 24.0
60	63	3, 4, & 5 Wire	inch	10.5	3.78	4.41	0.635 - 1.30	0.600 - 1.30
			mm	266	96	112	16.0 - 33.0	15.0 - 33.0

WATERTIGHT RECEPTACLE (IP67)

(Straight)

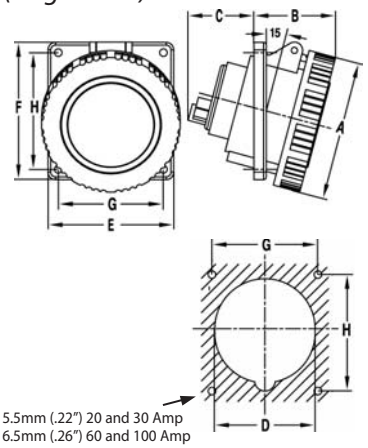


5.5mm (.22") 20 and 30 Amp
6.5mm (.26") 60 and 100 Amp

Amps				Dimensions							
N.A.	Intl.	Type		A	B	C	D	E	F	G	H
20	16	3 Wire	inch	2.82	2.05	1.10	1.81	2.44	2.44	1.85	1.85
			mm	71.5	52	28	46	62	62	47	47
20	16	4 Wire	inch	31.9	2.05	1.10	2.36	2.95	2.95	2.36	2.36
			mm	81	52	28	60	75	75	60	60
20	16	5 Wire	inch	3.46	2.05	1.10	2.36	2.95	2.95	2.36	2.36
			mm	88	52	28	60	75	75	60	60
30	32	3 & 4 Wire	inch	3.78	2.56	1.06	2.36	2.95	2.95	2.36	2.36
			mm	96	65	27	60	75	75	60	60
30	32	5 Wire	inch	4.06	2.56	1.06	2.36	2.95	2.95	2.36	2.36
			mm	103	65	27	60	75	75	60	60
60	63	3, 4, & 5 Wire	inch	4.29	3.27	2.05	3.54	3.94	4.21	3.03	3.35
			mm	109	83	52	90	100	107	77	85
100	125	3, 4, & 5 Wire	inch	5.12	3.78	2.52	3.54	4.49	4.49	3.54	3.54
			mm	130	96	64	90	114	114	90	90

WATERTIGHT RECEPTACLE (IP67)

(Angled 15°)

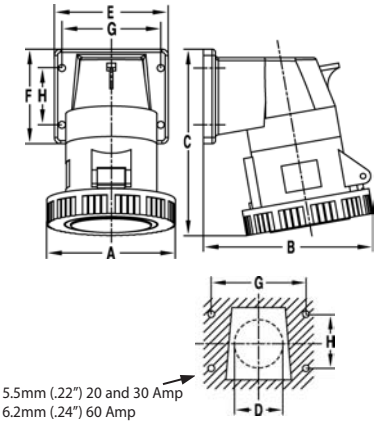


5.5mm (.22") 20 and 30 Amp
6.5mm (.26") 60 and 100 Amp

Amps				Dimensions							
N.A.	Intl.	Type		A	B	C	D	E	F	G	H
20	16	3 Wire	inch	2.82	1.93	1.61	2.01	2.44	2.68	1.85	1.85
			mm	71.5	49	41	51	62	68	47	47
20	16	4 Wire	inch	3.19	2.05	1.50	2.87	3.62	3.94	3.03	3.35
			mm	81	52	38	73	92	100	77	85
20	16	5 Wire	inch	3.46	2.05	1.50	2.87	3.62	3.94	3.03	3.35
			mm	88	52	38	73	92	100	77	85
30	32	3 & 4 Wire	inch	3.78	2.20	1.85	2.87	3.62	3.94	3.03	3.35
			mm	96	56	47	73	92	100	77	85
30	32	5 Wire	inch	4.06	2.36	1.85	2.87	3.62	3.94	3.03	3.35
			mm	103	60	47	73	92	100	77	85
60	63	3, 4, & 5 Wire	inch	4.29	3.23	2.52	3.19	3.94	4.21	3.03	3.35
			mm	109	82	64	81	100	107	77	85
100	125	3, 4, & 5 Wire	inch	5.12	3.70	2.95	3.54	4.49	4.49	3.54	3.54
			mm	130	94	75	90	114	114	90	90

WATERTIGHT RECEPTACLE (IP67)

(Angled 80°)



5.5mm (.22") 20 and 30 Amp
6.2mm (.24") 60 Amp

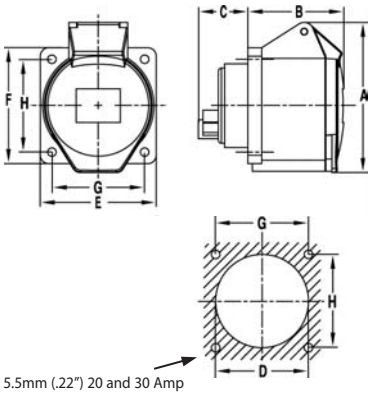
Amps				Dimensions							
N.A.	Intl.	Type		A	B	C	D max	E	F	G	H
20	16	3 Wire	inch	2.83	3.46	4.29	1.18	2.56	2.05	2.17	1.18
			mm	72	88	109	30	65	52	55	30
20	16	4 Wire	inch	3.19	4.25	4.84	1.50	3.15	2.60	2.68	1.57
			mm	81	108	123	38	80	66	68	40
20	16	5 Wire	inch	3.46	4.25	4.84	1.50	3.15	2.60	2.68	1.57
			mm	88	108	123	38	80	66	68	40
30	32	3 & 4 Wire	inch	3.78	4.76	5.71	1.73	3.54	2.95	3.07	1.77
			mm	96	121	145	44	90	75	78	45
30	32	5 Wire	inch	4.06	4.84	5.71	1.73	3.54	2.95	3.07	1.77
			mm	103	123	145	44	90	75	78	45
60	63	3, 4, & 5 Wire	inch	4.33	5.63	7.99	2.20	4.49	4.49	3.54	3.54
			mm	110	143	203	56	114	114	90	90

IEC 309 Pin & Sleeve Devices

Approximate Dimensions

SPLASHPROOF RECEPTACLES (IP44)

(Straight)

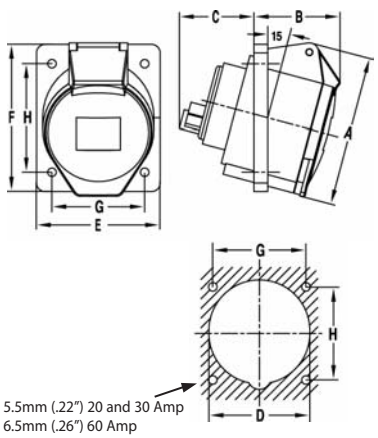


5.5mm (.22") 20 and 30 Amp
6.5mm (.26") 60 Amp

Amps				Dimensions							
N.A.	Intl.	Type		A	B	C	D	E	F	G	H
20	16	3 Wire	inch	2.68	2.05	1.10	1.81	2.44	2.44	1.85	1.85
			mm	68	52	28	46	62	62	47	47
20	16	4 & 5 Wire	inch	3.35	2.09	1.10	2.36	2.95	2.95	2.36	2.36
			mm	85	53	28	60	75	75	60	60
20	16	7 Wire	inch	3.35	2.09	1.10	2.36	3.15	3.15	2.36	2.36
			mm	85	53	28	60	80	80	60	60
30	32	3 & 4 Wire	inch	3.58	2.56	1.06	2.36	2.95	2.95	2.36	2.36
			mm	91	65	27	60	75	75	60	60
30	32	5 Wire	inch	3.86	2.56	1.06	2.36	2.95	2.95	2.36	2.36
			mm	98	65	27	60	75	75	60	60
30	32	7 Wire	inch	3.86	2.56	1.06	2.36	3.15	3.15	2.36	2.36
			mm	98	65	27	60	80	80	60	60
60	63	3, 4, & 5 Wire	inch	4.49	3.35	2.05	3.54	3.94	4.21	3.03	3.35
			mm	114	85	52	90	100	107	77	85

SPLASHPROOF RECEPTACLE (IP44)

(Angled 15°)

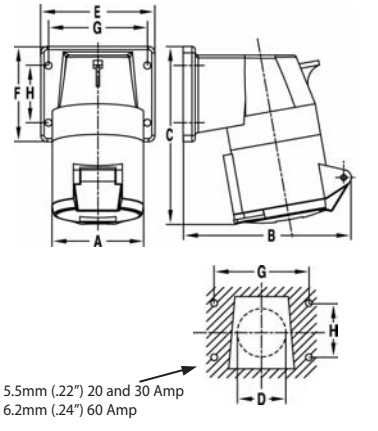


5.5mm (.22") 20 and 30 Amp
6.5mm (.26") 60 Amp

Amps				Dimensions							
N.A.	Intl.	Type		A	B	C	D	E	F	G	H
20	16	3 Wire	inch	2.68	1.77	1.61	2.01	2.44	2.68	1.85	1.85
			mm	68	45	41	51	62	68	47	47
20	16	4 Wire	inch	3.35	2.01	1.50	2.36	2.95	2.95	2.36	2.36
			mm	85	51	38	60	75	75	60	60
20	16	5 Wire	inch	3.35	2.01	1.50	2.56	2.95	3.35	2.36	2.36
			mm	85	51	38	65	75	85	60	60
30	32	3 Wire	inch	3.58	2.05	1.85	2.64	2.95	3.54	2.36	2.36
			mm	91	52	47	67	75	90	60	60
30	32	4 Wire	inch	3.85	2.05	1.85	2.64	2.95	3.54	2.36	2.36
			mm	91	52	47	67	75	90	60	60
30	32	5 Wire	inch	3.86	2.20	1.85	2.70	3.15	3.74	2.36	2.36
			mm	98	56	47	68.5	80	95	60	60
60	63	3, 4, & 5 Wire	inch		3.11	2.52	3.19	3.94	4.21	3.03	3.35
			mm		79	64	81	100	107	77	85

SPLASHPROOF RECEPTACLE (IP44)

(Angled 80°)

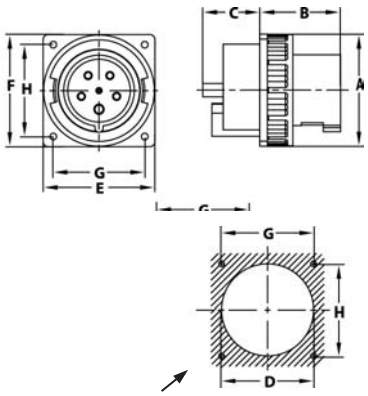


5.5mm (.22") 20 and 30 Amp
6.2mm (.24") 60 Amp

Amps				Dimensions							
N.A.	Intl.	Type		A	B	C	D max	E	F	G	H
20	16	3 Wire	inch	2.01	3.43	4.57	1.18	2.56	2.05	2.17	1.18
			mm	51	87	116	30	65	52	55	30
20	16	4 Wire	inch	2.56	4.33	4.80	1.50	3.15	2.60	2.68	1.57
			mm	65	110	122	38	80	66	68	40
20	16	5 & 7 Wire	inch	2.56	4.33	4.80	1.50	3.15	2.60	2.68	1.57
			mm	65	110	122	38	80	66	68	40
30	32	3 Wire	inch	2.83	4.72	5.55	1.73	3.54	2.95	3.07	1.77
			mm	72	120	141	44	90	75	78	45
30	32	4 Wire	inch	2.83	4.72	5.55	1.73	3.54	2.95	3.07	1.77
			mm	72	120	141	44	90	75	78	45
30	32	5 & 7 Wire	inch	2.83	4.88	5.59	1.73	3.54	2.95	3.07	1.77
			mm	72	124	142	44	90	75	78	45
60	63	3, 4, & 5 Wire	inch	3.78	5.51	7.64	2.20	4.49	4.49	3.54	3.54
			mm	96	140	194	56	114	114	90	90

WATERTIGHT INLETS (IP67)

(Straight)

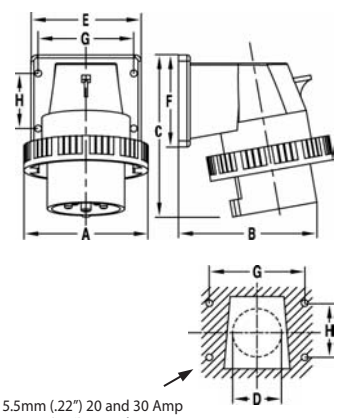


6.5mm (.26") 60 and 100 Amp

Amps N.A.	Amps Intl.	Type		Dimensions A	B	C	D	E	F	G	H
100	125	3 Wire	inch	5.12	3.70	2.20	3.54	5.12	5.12	4.09	4.09
			mm	130	94	56	90	130	130	104	104
100	125	4 Wire	inch	5.12	3.70	2.20	3.54	5.12	5.12	4.09	4.09
			mm	130	94	56	90	130	130	104	104
100	125	5 Wire	inch	5.12	3.70	2.20	3.54	5.12	5.12	4.09	4.09
			mm	130	94	56	90	130	130	104	104

WATERTIGHT INLETS (IP67)

(Angled 80°)

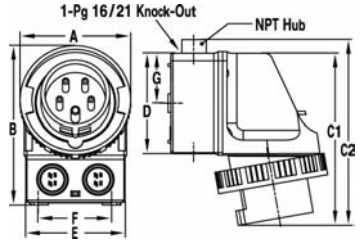


5.5mm (.22") 20 and 30 Amp
6.2mm (.24") 60 and 100 Amp

Amps N.A.	Amps Intl.	Type		Dimensions A	B	C	D (max)	E	F	G	H
20	16	3 Wire	inch	2.83	3.19	3.86	1.18	2.56	2.05	2.17	1.18
			mm	72	81	98	30	65	52	55	30
20	16	4 Wire	inch	3.19	3.90	4.33	1.50	3.15	2.60	2.68	1.57
			mm	81	99	110	38	80	66	68	40
20	16	5 Wire	inch	3.50	4.06	4.45	1.50	3.15	2.60	2.68	1.57
			mm	89	103	113	38	80	66	68	40
30	32	3 Wire	inch	3.78	4.45	5.12	1.73	3.54	2.95	3.07	1.77
			mm	96	113	130	44	90	75	78	45
30	32	4 Wire	inch	3.78	4.45	5.12	1.73	3.54	2.95	3.07	1.77
			mm	96	113	130	44	90	75	78	45
30	32	5 Wire	inch	4.02	4.61	5.12	1.73	3.54	2.95	3.07	1.77
			mm	102	117	130	44	90	75	78	45
60	63	3, 4, & 5 Wire	inch	4.33	5.00	7.20	2.20	4.49	4.49	3.54	3.54
			mm	110	127	183	56	114	114	90	90

WATERTIGHT INLETS (IP67)

(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
20	16	3 Wire	inch	2.83	5.51	6.06	6.73	3.78	3.74	2.62	1.87	3/4"
			mm	72	140	154	171	96	95	66.5	47.5	
20	16	4 Wire	inch	3.19	5.51	6.06	6.73	3.78	3.74	2.62	1.87	3/4"
			mm	81	140	154	171	96	95	66.5	47.5	
20	16	5 Wire	inch	3.46	5.51	6.06	6.73	3.78	3.74	2.62	1.87	3/4"
			mm	88	140	154	171	96	95	66.5	47.5	
30	32	3 Wire	inch	3.78	5.79	6.46	7.13	3.78	3.74	2.62	1.87	3/4"
			mm	96	147	164	181	96	95	66.5	47.5	
30	32	4 Wire	inch	3.78	5.79	6.46	7.13	3.78	3.74	2.62	1.87	3/4"
			mm	96	147	164	181	96	95	66.5	47.5	
30	32	5 Wire	inch	4.06	5.91	6.46	7.13	3.78	3.74	2.62	1.87	3/4"
			mm	103	150	164	181	96	95	66.5	47.5	

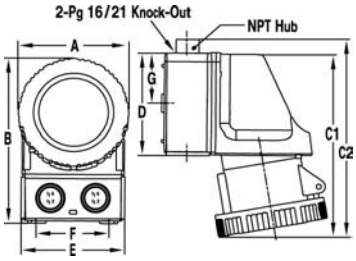
* North American devices supplied with NPT Hub.

IEC 309 Pin & Sleeve Devices

Approximate Dimensions

WATERTIGHT RECEPTACLES (IP67)

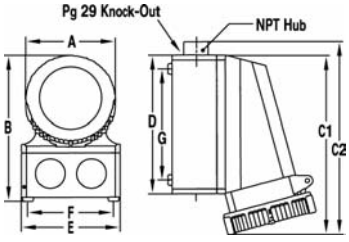
(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
20	16	3 Wire	inch	2.83	5.51	6.46	7.13	3.78	3.74	2.62	1.87	3/4″
			mm	72	140	164	181	96	95	66.5	47.5	
		4 Wire	inch	3.19	5.67	6.46	7.13	3.78	3.74	2.62	1.87	3/4″
			mm	81	144	164	181	96	95	66.5	47.5	
		5 Wire	inch	3.46	5.79	6.46	7.13	3.78	3.74	2.62	1.87	3/4″
			mm	88	147	164	181	96	95	66.5	47.5	
30	32	3 Wire	inch	3.78	6.06	6.93	7.60	3.78	3.74	2.62	1.87	3/4″
			mm	96	154	176	193	96	95	66.5	47.5	
		4 Wire	inch	3.78	6.06	6.93	7.60	3.78	3.74	2.62	1.87	3/4″
			mm	96	154	176	193	96	95	66.5	47.5	
		5 Wire	inch	4.06	6.14	6.93	7.60	3.78	3.74	2.62	1.87	3/4″
			mm	103	156	176	193	96	95	66.5	47.5	

WATERTIGHT RECEPTACLES (IP67)

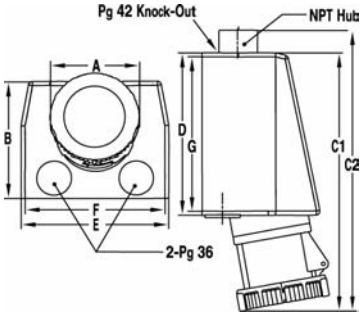
(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
60	63	4 Wire	inch	4.33	7.01	8.82	9.76	6.77	4.76	4.09	5.35	1 1/4″
			mm	110	178	224	248	172	121	104	136	
		5 Wire	inch	4.33	7.01	8.82	9.76	6.77	4.76	4.09	5.35	1 1/4″
			mm	110	178	224	248	172	121	104	136	

WATERTIGHT RECEPTACLES (IP67)

(Surface Mount, Angled 80°)

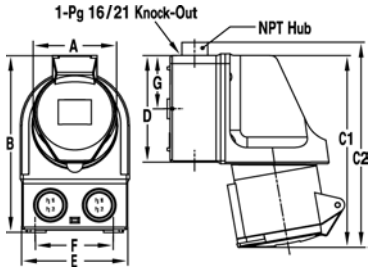


Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
100	125	3 Wire	inch	5.12	7.48	16.0	16.9	10.4	8.66	7.87	9.45	2″
			mm	130	190	406	430	263	220	200	240	
		4 Wire	inch	5.12	7.48	16.0	16.9	10.4	8.66	7.87	9.45	2″
			mm	130	190	406	430	263	220	200	240	
		5 Wire	inch	5.12	7.48	16.0	16.9	10.4	8.66	7.87	9.45	2″
			mm	130	190	406	430	263	220	200	240	

* North American devices supplied with NPT Hub.

SPLASHPROOF RECEPTACLES (IP44)

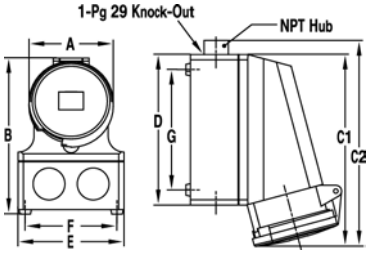
(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
20	16	3 Wire	inch	2.01	5.51	6.30	6.97	3.78	3.74	2.62	1.87	3/4″
			mm	51	140	160	177	96	95	66.5	47.5	
20	16	4 Wire	inch	2.56	5.63	6.46	7.13	3.78	3.74	2.62	1.87	3/4″
			mm	65	143	164	181	96	95	66.5	47.5	
20	16	5 & 7 Wire	inch	2.56	5.75	6.46	7.13	3.78	3.74	2.62	1.87	3/4″
			mm	65	146	164	181	96	95	66.5	47.5	
30	32	3 Wire	inch	2.83	6.06	6.81	7.48	3.78	3.74	2.62	1.87	3/4″
			mm	72	154	173	190	96	95	66.5	47.5	
30	32	4 Wire	inch	2.83	6.06	6.81	7.48	3.78	3.74	2.62	1.87	3/4″
			mm	72	154	173	190	96	95	66.5	47.5	
30	32	5 & 7 Wire	inch	2.83	6.18	6.81	7.48	3.78	3.74	2.62	1.87	3/4″
			mm	72	157	173	190	96	95	66.5	47.5	

SPLASHPROOF RECEPTACLES (IP44)

(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
60	63	4 Wire	inch	3.78	7.01	8.66	9.61	6.77	4.76	4.09	5.35	1 1/4″
			mm	96	178	220	244	172	121	104	136	
60	63	5 Wire	inch	3.78	7.01	8.66	9.61	6.77	4.76	4.09	5.35	1 1/4″
			mm	96	178	220	244	172	121	104	136	

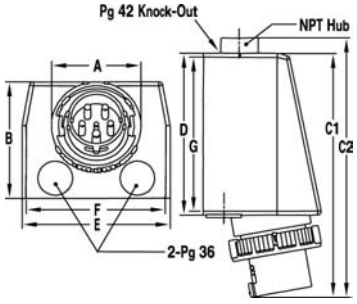
* North American devices supplied with NPT Hub.

IEC 309 Pin & Sleeve Devices

Approximate Dimensions

WATERTIGHT INLET (IP67)

(Surface Mount, Angled 80°)



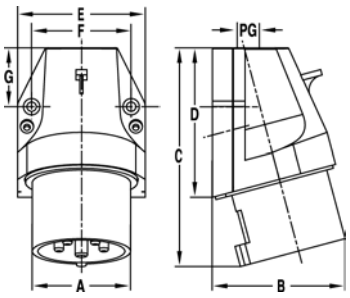
Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
60	63	3 Wire	inch	4.33	4.65	9.13	10.1	5.98	4.65	4.17	4.72	1 1/4"
			mm	110	118	232	256	152	118	106	120	
60	63	4 Wire	inch	4.33	4.65	9.13	10.1	5.98	4.65	4.17	4.72	1 1/4"
			mm	110	118	232	256	152	118	106	120	
60	63	5 Wire	inch	4.33	4.65	9.13	10.1	5.98	4.65	4.17	4.72	1 1/4"
			mm	110	118	232	256	152	118	106	120	
100	125	3 Wire	inch	5.12	6.89	15.4	16.3	10.4	8.66	7.87	9.45	2"
			mm	130	175	390	414	263	220	200	240	
100	125	4 Wire	inch	5.12	6.89	15.4	16.3	10.4	8.66	7.87	9.45	2"
			mm	130	175	390	414	263	220	200	240	
100	125	5 Wire	inch	5.12	6.89	15.4	16.3	10.4	8.66	7.87	9.45	2"
			mm	130	175	390	414	263	220	200	240	

* North American devices supplied with NPT Hub.

Note: Two (2) PG36 knock-outs are on the bottom of the 100/125 amp device only.

SPLASHPROOF INLET (IP44)

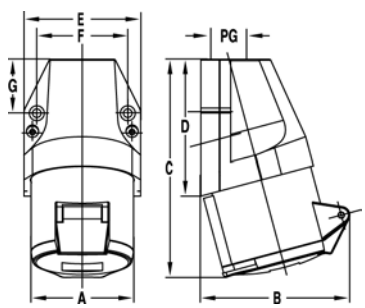
(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C	D	E	F	G	PG
	16	3 Wire	inch	1.71	2.36	4.33	2.91	2.36	1.79	1.10	
			mm	43.5	60	110	74	60	45.5	28	13.5
	16	4 Wire	inch	1.97	2.87	4.61	3.15	2.91	2.36	1.22	
			mm	50	73	117	80	74	60	31	16
	16	5 & 7 Wire	inch	2.20	2.87	4.61	3.15	2.91	2.36	1.22	
			mm	56	73	117	80	74	60	31	16
	32	3 Wire	inch	2.24	3.15	5.55	3.82	3.23	2.36	1.77	
			mm	57	80	141	97	82	60	45	21
	32	4 Wire	inch	2.24	3.15	5.55	3.82	3.23	2.36	1.77	
			mm	57	80	141	97	82	60	45	21
	32	5 & 7 Wire	inch	2.52	3.39	5.55	3.82	3.23	2.36	1.77	
			mm	64	86	141	97	82	60	45	21

SPLASHPROOF RECEPTACLE (IP44)

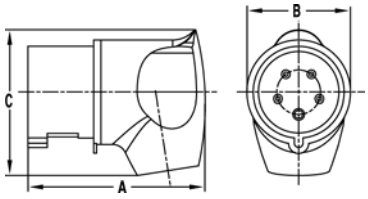
(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C	D	E	F	G	PG
	16	3 Wire	inch	2.68	2.95	4.72	2.91	2.36	1.79	1.10	
			mm	68	75	120	74	60	45.5	28	13.5
	16	4 Wire	inch	3.35	3.39	5.04	3.15	2.91	2.36	1.22	
			mm	85	86	128	80	74	60	31	16
	16	5 & 7 Wire	inch	3.35	3.54	5.08	3.15	2.91	2.36	1.22	
			mm	85	90	129	80	74	60	31	16
	32	3 Wire	inch	3.58	4.06	6.06	3.82	3.23	2.36	1.77	
			mm	91	103	154	97	82	60	45	21
	32	4 Wire	inch	3.58	4.06	6.06	3.82	3.23	2.36	1.77	
			mm	91	103	154	97	82	60	45	21
	32	5 & 7 Wire	inch	3.86	4.13	6.10	3.82	3.23	2.36	1.77	
			mm	98	105	155	97	82	60	45	21

SPLASHPROOF PLUG (IP44)

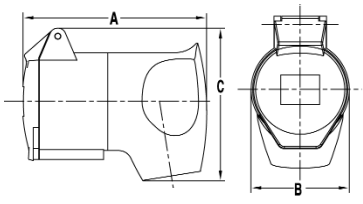
(Angled)



Amps			Dimensions				
N.A.	Intl.	Type		A	B	C	Cord Grip Range
20	16	3 Wire	inch	3.31	1.98	2.66	0.315 - 0.590
			mm	84	50.3	67.5	8.0 - 15.0
20	16	4 Wire	inch	3.98	2.53	3.32	0.395 - 0.650
			mm	101	64.3	84.2	10.0 - 16.5
20	16	5 Wire	inch	3.98	2.53	3.39	0.395 - 0.650
			mm	101	64.3	86	10.0 - 6.5
30	32	3 Wire	inch	4.53	2.83	3.76	0.435 - 0.865
			mm	115	72	95.5	11.0 - 22.0
30	32	4 Wire	inch	4.53	2.83	3.76	0.435 - 0.865
			mm	115	72	95.5	110. - 22.0
30	32	5 Wire	inch	4.53	2.83	3.96	0.435 - 0.865
			mm	115	72	100.5	11.0 - 22.0

SPLASHPROOF CONNECTOR (IP44)

(Angled)



Amps			Dimensions				
N.A.	Intl.	Type		A	B	C	Cord Grip Range
20	16	3 Wire	inch	3.74	1.98	3.15	0.315-0.510
			mm	95	50.3	80	8.0-13.0

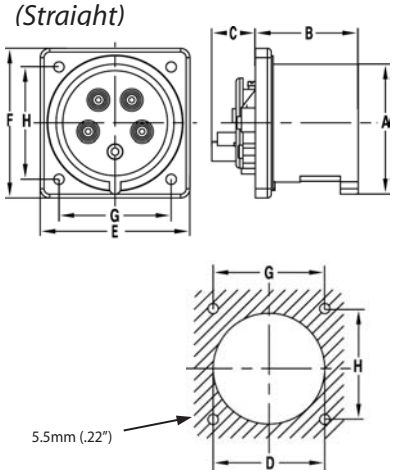
Visibly the Best
ERICSON®
safety electrical specialties

IEC 309 Pin & Sleeve Devices

Approximate Dimensions

SPLASHPROOF INLETS (IP44)

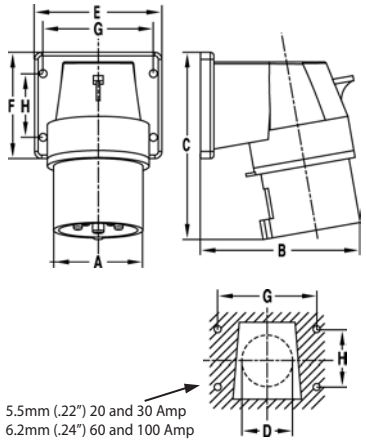
(Straight)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C	D	E	F	G	H
20	16	3 Wire	inch	1.85	1.85	0.87	1.97	2.44	2.44	1.85	1.85
			mm	47	47	22	50	62	62	47	47
20	16	4 Wire	inch	2.09	1.85	0.87	2.64	3.15	3.15	2.36	2.36
			mm	53	47	22	67	80	80	60	60
20	16	5 & 7 Wire	inch	2.40	1.85	0.87	2.64	3.15	3.15	2.36	2.36
			mm	61	47	22	67	80	80	60	60
30	32	3 Wire	inch	2.48	2.20	0.87	2.80	3.15	3.15	2.36	2.36
			mm	63	56	22	71	80	80	60	60
30	32	4 Wire	inch	2.48	2.20	0.87	2.80	3.15	3.15	2.36	2.36
			mm	63	56	22	71	80	80	60	60
30	32	5 & 7 Wire	inch	2.72	2.20	0.87	2.80	3.15	3.15	2.36	2.36
			mm	69	56	22	71	80	80	60	60
60	63	5 Wire	inch	2.99	3.27	1.14	3.39	4.17	4.33	3.54	3.54
			mm	76	83	29	86	106	110	90	90

SPLASHPROOF INLETS (IP44)

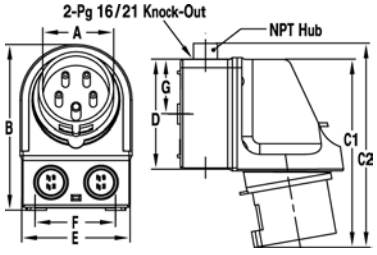
(Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C	D (max)	E	F	G	H
20	16	3 Wire	inch	1.71	2.83	3.82	1.18	2.56	2.05	2.17	1.18
			mm	43.5	72	97	30	65	52	55	30
20	16	4 Wire	inch	1.97	3.54	4.33	1.50	3.15	2.60	2.68	1.57
			mm	50	90	110	38	80	66	68	40
20	16	5 & 7 Wire	inch	2.20	3.62	4.33	1.50	3.15	2.60	2.68	1.57
			mm	56	92	110	38	80	66	68	40
30	32	3 Wire	inch	2.24	4.06	5.08	1.73	3.54	2.95	3.07	1.77
			mm	57	103	129	44	90	75	78	45
30	32	4 Wire	inch	2.24	4.06	5.08	1.73	3.54	2.95	3.07	1.77
			mm	57	103	129	44	90	75	78	45
30	32	5 & 7 Wire	inch	2.52	4.06	5.08	1.73	3.54	2.95	3.07	1.77
			mm	64	103	129	44	90	75	78	45
60	63	3, 4, & 5 Wire	inch	2.72	4.57	7.28	2.20	4.49	4.49	3.54	3.54
			mm	69	116	185	56	114	114	90	90

SPLASHPROOF INLETS (IP44)

(Surface Mount, Angled 80°)



Amps N.A.	Amps Intl.	Type		Dimensions A	B	C¹	C²	D	E	F	G	Hub Size*
20	16	4 Wire	inch	1.97	5.51	5.95	6.61	3.78	3.74	2.62	1.87	3/4"
			mm	50	140	151	168	96	95	66.5	47.5	
20	16	5 & 7 Wire	inch	2.20	5.51	5.95	6.61	3.78	3.74	2.62	1.87	3/4"
			mm	56	140	151	168	96	95	66.5	47.5	
30	32	3 Wire	inch	2.24	5.51	6.30	6.97	3.78	3.74	2.62	1.87	3/4"
			mm	57	140	160	177	96	95	66.5	47.5	
30	32	4 Wire	inch	2.24	5.51	6.30	6.97	3.78	3.74	2.62	1.87	3/4"
			mm	57	140	160	177	96	95	66.5	47.5	
30	32	5 & 7 Wire	inch	2.52	5.51	6.30	6.97	3.78	3.74	2.62	1.87	3/4"
			mm	64	140	160	177	96	95	66.5	47.5	

* North American devices supplied with NPT Hub.

Notes

2900 & 3000 Series Commercial Duty Reels
4000 Series Industrial Duty Reels
5000 - 7000 Series Industrial Duty Reels
8000 Series Hazardous Location Reels
Specialty Reels
Custom Built Reels

Ericson Manufacturing Company offers a new and improved section on electric cord and cable reels. In the following pages you will find:

- A newly revised technical reference section that provides information on cable reel basics along with information on selecting the appropriate reel for your application
- Easy to use charts and drawings simplify the selection/specification process making it quick and user friendly
- 3000 Series Reels - New line of reels ideal for commercial and light industrial applications
- 4000 Series - Newly redesigned industrial duty cord reels
- 5000 - 7000 Series - Heavy duty industrial duty
- 8000 Series - Hazardous duty reals
- New Static Discharge Reel perfect for applications that require reliable static discharge systems
- 2900 Series light duty Reels
- New offering of Hose Reels

3000 Series Reels NEW!

- Available with SJT cable in lengths up to 50'
- Available with Single-Tap or Tri-Tap outlets and handlamps
- Built-in circuit breakers available
- Automatic On-Off switch on select 3000 Series models - automatically turns light on when extended and off when retracted

4000 Series Reels NEW!

- UL and cUL Listed - Your assurance of Safety and Reliability
- NEMA Type 4 Rated - Suitable for indoor and outdoor use
- Yellow Powder Coating - Withstands rugged industrial environments and maintains "like-new" look
- 5/16" Thick Steel Stand
- 30Amp, 600Volt Slip Ring
- Accommodates #16-#12 SJOW, #16-#12 SO, 3 and 4 conductor cable
- Sealed spring cartridge with Lifetime lubrication
- 12 position roller guide to allow maximum flexibility in installation
- Steel ratchet with four locking positions
- Wide range of accessories available
- Modular service friendly parts

5000 - 7000 Series Reels NEW!

- Many of the same features as our 4000 Series plus…
- Available with up to 150' of #12/3 600 volt cable
- UL, cUL listed models with up to 70' of cable
- CSA certified models with up to 150' of cable
- 35Amp, 600Volt slip ring

8000 Series Reels NEW!

- Enclosures are designed to comply with requirements for Class 1, Div 1 - Groups C & D and Class II, Groups F & G
- Built to NEC standards
- Indoor or outdoor use
- Rugged fabricated steel and cast aluminum construction

Specialty Reels NEW!

- Hand Rewind Reels
- Static Discharge Reels
- Hazardous Duty Reels
- Hose Reels

Custom Built Reels

As always you can turn to Ericson Manufacturing Company to engineer a solution to your reel application if you do not find a standard catalog item to fit your need. Contact the factory or your local sales representative to find out more.

Electric Cord & Cable Reels

Reel Construction

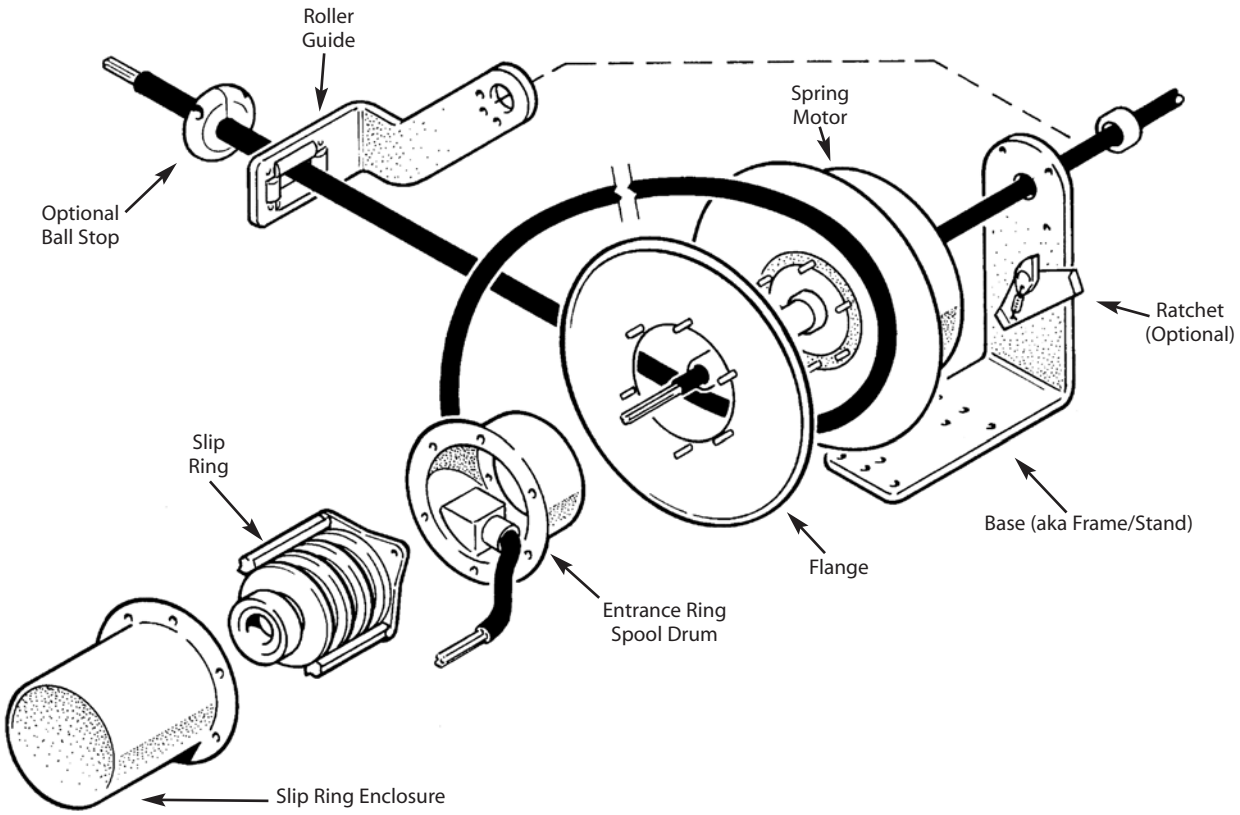
Five Basic Parts:

Base/Stand: Supports and mounts the reel
Spring Motor: Motor which rotates the spool
Spool: Composed of a Drum and two Flanges
Slip Ring: Transfers power from a stationary source to rotating source
Roller Guide: Guides the cable during payout and rewind

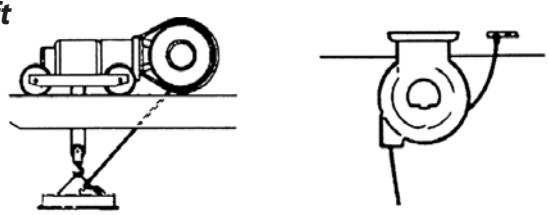
Definition of Terms:

Active Length: The difference between the minimum and maximum payout of cable (see "payout" below)
Safety Wrap: Cable that stays on the reel at maximum payout (Usually 2 complete wraps)
Sag Factor: The effect of gravity on actual travel length during stretch applications (6% - 10%)
Lift Height: The distance between where the cable lays to the center line of spool
Payout: Pulling cable out of the reel
Retract or Rewind: Rewinding cable back into the reel

Components of a Cable Reel



Lift



The reel needs to "lift" the cable vertically. The reel is usually stationary. Cable is pulled out of the reel by machine or by hand (as with an overhead lightsource or a pendant station.)

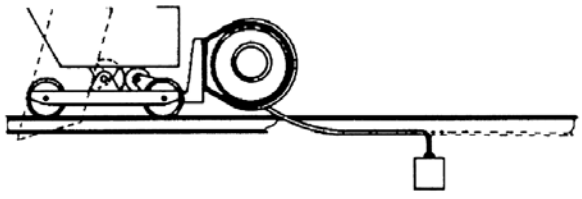
Drag

The reel needs to "drag" the cable through supports or along the ground horizontally. The reel is usually stationary. Cable can be pulled out by hand or by machine. Note: This application is the hardest on cable life.

Stretch

The cable is "stretched" horizontally and is unsupported. The reel may be stationary mounted or mounted onto moving equipment. Cable is pulled out by machine. An extra 6% -10% in cable beyond active travel is required for cable sag.

Retrieve



The reel needs to pickup ("retrieve") the cable. The reel is mounted on moving equipment. Cable is pulled out by machine.

Follow these three steps to make sure you get the best reel for your application needs. Your local representative or the sales team at our factory are glad to help if you need additional assistance.

Step 1: Mechanical Requirements:

- How will the reel be used? Stretch, Lift, Drag, or Retrieve? (See left for guidance)
- What type of environment will the reel be located in? (Indoors, outdoors, corrosive environment)
- What is the Duty Cycle? (How often will be reel payout and retract?)
- What is the maximum speed of equipment? (Maximum recommended speed is 150 feet per minute)

Step 2: Electrical Requirements:

- How much amperage is the cable expected to handle?
- At what voltage?
- What will the reel be required to handle: power, control, or communication signals?
- How many total conductors are required? (Please include one conductor for dedicated ground)
- What gauge (AWG) cable is required? The amperage and total number of conductors required will determine the gauge

Step 3: Cable Length Requirements:

- ADD: Active Length: The difference between the minimum operating payout
- PLUS: Inactive Length: Cable that always stays our of the reel, even at full retration
- PLUS: Safety Wrap:* Cable that stays on the reel at maximum payout - See note below for details
- PLUS: Sag Factor - (Stretch Only): Add 10% to Active and Inactive Length total
- Lift Height - (Drag/Retrieve): The distance between where the cable lays up to the spool center line. Max 4'
- Hook up Length: Cable required for termination at both ends - 2-3' Spool End

* NOTE:
- Series 4000 = 2'
- Series 5000 = 2'
- Series 6000 = 5'
- Series 7000 = 5'
- Series 8000 = 3'

Quick Index & Application Guide

		Typical Applications				
Reel Series	**Catalog Page**	**Commercial Facilties** Dry environments where no rain, spray or other moisture is present such as workshops & auto garages.	**Light Industrial** Dry environments where no rain, spray or other moisture is present such as workshops & auto garages.	**General Industrial** Dry environments where subject to frequent use to supply light or power to portable or moving equipment.	**Heavy-Duty Industrial** Dry or wet areas where rain, spray or other moisture is present. Reel used to supply light or power to portable or moving equipment.	**Hazardous Locations** Classified per NEC article 500 & where rain, spray or other moisture is present.
3000 Commercial Duty	222	●	●			
3900 Light Industrial Duty	224	●	●			
4000 Industrial Duty	226		●	●		
5000 Industrial Duty	228		●	●	●	
6000 Heavy Duty Industrial	229			●	●	
7000 Heavy Duty Industrial	229			●	●	
8000 Hazardous Location	230		●	●		●
1400 Hand Wind	232	●	●			
2900 Light Duty	232	●				
SDR Grounding Reels	233	●	●	●		

Notes

Electric Cord & Cable Reels

3000 Series - Electric Cord Reels

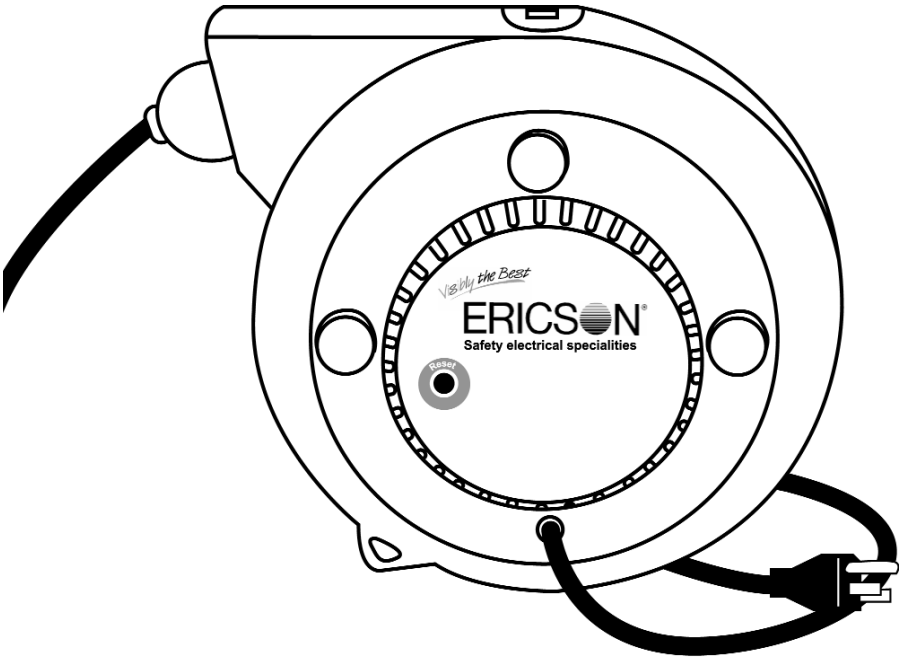
NEW!

- Commercial duty midnight black cord reel
- High impact, corrosion resistant non-metallic housing
- Ideal for use in commercial/industrial workshops, automotive garage & machine shops
- Reel mounts to wall or ceiling
- Reel swivels 180° to cover wide range work area
- Compact size allows mounting in tight spaces- Only 6" wide x 11" diameter
- Ratchet lock holds cord at desired position
- Available with NEMA 5-15 single-outlet or Tri-Tap™ outlets, incandescent or fluorescent handlamp
- Installation kit comes complete with instruction sheet, mounting bracket and all the hardware needed for a complete installation
- Circuit breaker available on select models to prevent overload
- Automatic ON-OFF switch available on select models - Turns power on when extended and off when retracted

3000 Series Electric Cord Reels Selection Guide

	Angle Light	**Fluorescent Handlamps 13 watt Tube Light**	**Fluorescent Handlamps 13 watt Tube Light**	
Nonmetallic Housing with:				
With 50-ft. of cable	3163-50-AL	3163-50-TL (1)	3163-50-TLS(1)	
SPECIFICATIONS:				
Cord Size	#16/3	#18/2	#18/2	
Cord Type	SJTOW	SJTOW	SJTOW	
Circuit Breaker	10 Amps	No	No	
Cord Outlets	N/A	N/A	N/A	
Primary: Cord Length	2 ft.	2 ft.	2 ft.	
Power Switch in Handlamp Handle	Yes	_	_	
Side Outlet in Handlamp Handle	(1) NEMA 5-15	_	_	
Bulb Wattage	13 watt	13 watt	13 watt	
Bulb Included	Yes	Yes	Yes	
Ballast Location	Handle	Handle	Handle	
Auto On-Off Switch	_	_	Yes	

Notes:
1. #18/2 SJTO cord



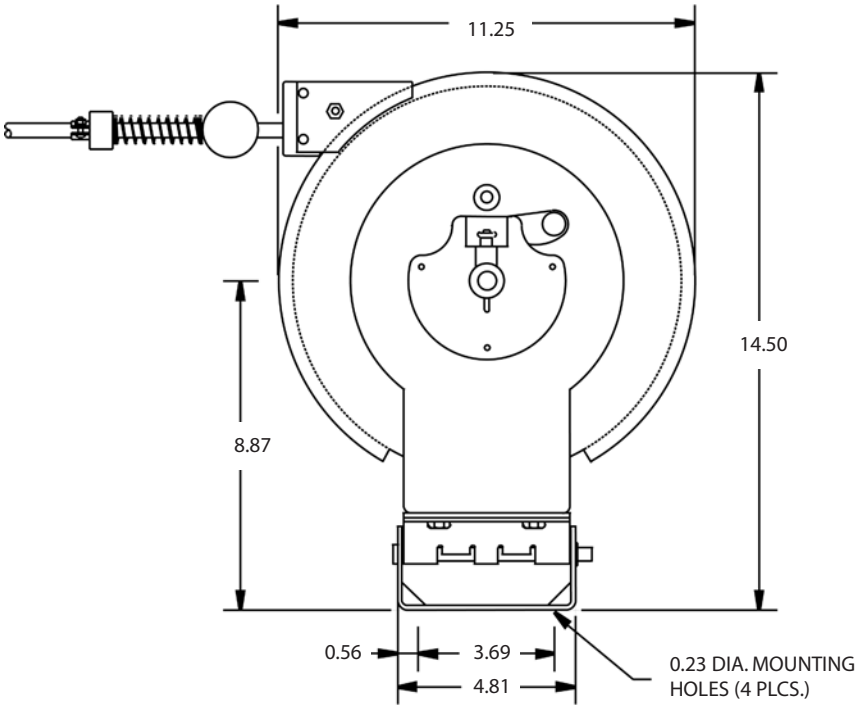
	Tri-Trap Outlet	**(2) NEMA 5-15 Duplex Receptacles**	**6000 Outlet Box 15Amp Straight Blade Connector**
	3163-50-TT	3163-50-B	3163-50-ST
	#16/3	#16/3	#16/3
	SJTW	SJTOW	SJTOW
	10 Amps	10 Amps	Yes 10 Amps
	(3) NEMA 5-15	See Above	(1) Molded NEMA 5-15
	2 ft.	2 ft.	2 ft.
	_	_	_
	_	_	_
	_	_	_
	_	_	_
	_	_	_
	_	_	_

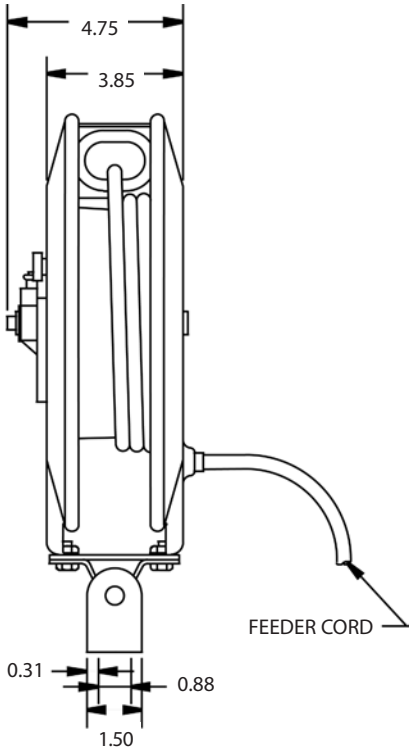
Electric Cord & Cable Reels

3900 Series - Electric Cord Reels

- Tough-Rugged-Dependable Ericson Reels are engineered to industrial standards
- Husky steel case will provide years of trouble free service
- Ease of installation, lead in with plug cap, plugs into nearest receptacle
- External tension adjustment permits spring tension to be rapidly increased or decreased to meet your job requirements
- External lock disengagement converts to constant tension, (lock to no-lock) by rotating external knob
- Large cable guide casting has large internal radius, prevents snubbing and abrasion of cable
- Motor springs are self contained with declutching release collar and lubricated for the life of the reel
- Cable shock spring and bumper absorbs impact of retraction, and prolongs life of spring, handlamp and reel
- Oversize mainshaft, bearings and mainspring. High ampere slip rings with oversize copper graphite brushes
- Available with a wide variety of Ericson Hand Lamps and other devices
- Lifetime bronze bearing
- Open flange design eliminates rewinding problems as experienced in enclosed models
- Finished with yellow epoxy enamel paint to assure the utmost in corrosion resistance
- Includes base mount & swing mount assembly kit

3900 Series





3900 Series Electric Cord Reels Selection Guide

	Reel Only	**944-RS Handlamp**	**6000 Outlet Box (2) NEMA 5-15 Duplex Receptacles**
Steel Housing with:			
With 30-ft. #16/3 AWG	3916-30	3916-30-HSS	3916-30-B
With 30-ft. #14/3 AWG	3914-30	3914-30-HSS	3914-30-B
SPECIFICATIONS:			
Electrical Ratings:			
#16/3 AWG	125v/10A	125v/10A	125v/10A
#14/3 AWG	125v/11A	125v/11A	125v/11A
Cord Type	SJOW	SJOW	SJOW
Primary: Cord Length	6′	6′	6′
Power Switch in Handlamp Handle	_	Yes	_
Side Outlet in Handlamp Handle	_	Yes	_
Guard Material	_	Zinc Plated Steel	_
Handle Material	_	Vinyl Nitrile Rubber	_
Bulb Wattage	_	100 Watt	_
Bulb Included	_	No	_

Notes:

1. Contact factory for custom assemblies

Electric Cord & Cable Reels

NEW!

4000 Series - Electric Cord Reels

- UL Listed & CSA
- Ideal for Indoor and Outdoor Use - NEMA 4 Rated (wet or dry - less electrical options & molded plug which are NEMA 2)
- Safety-Yellow Powder-Coated Finish
- Compact Size (12.75" H x 7.75"W - 18 lbs. less cable)
- Heavy Formed Steel Stand (5/16" - thick)
- Available in 3 and 4 Conductors (incl. dedicated ground)
- All-Steel Pawl and Ratchet with 4 Locking Positions
- Automatic Locking Ratchet With lockout Lever Option
- Adjustable / Removable Steel Cable Guide (3/16" - thick)
- Low-Friction, 4-roller cable guide

4000 Series Electric Cord Reels Selection Guide

	Reel w/ Cable Only		**#6 Handle Handlamp**	**744-RS Handlamp**	
	SJOW-A Cable	**SOW-A Cable**			
Reels with 3-Conductor Cable					
with 25-ft. of #16/3 AWG	4163-25	4163-25SO			
with 35-ft. of #16/3 AWG	4163-35	4163-35SO	4163-35-H6	4163-35-HS	
with 50-ft. of #16/3 AWG	4163-50	4163-50SO	4163-50-H6	4163-50-HS	
with 30-ft. of #14/3 AWG	4143-30	4143-30SO			
with 40-ft. of #14/3 AWG	4143-40	4143-40SO			
with 50-ft. of #14/3 AWG	4143-50				
with 25-ft. of #12/3 AWG	4123-25				
with 50-ft. of #12/3 AWG	4123-50				
Reels with 4-Conductor Cable					
with 35-ft. of #16/4 AWG	4164-35	4164-35SO			
with 50-ft. of #16/4 AWG	4164-50	4164-50SO			
with 35-ft. of #14/4 AWG	4144-35				
with 25-ft. of #12/4 AWG	4124-25	4124-25SO			
with 35-ft. of #12/4 AWG	4124-35				
SPECIFICATIONS:					
Electrical Ratings					
Reels with #16 AWG	300v/10A	600v/10A	125v/10A	125v/10A	
Reels with #14 AWG	300v/15A	600v/15A	125v/15A	125v/15A	
Reels with #12 AWG	300v/20A	600v/20A	125v/20A	125v/20A	
Cord Type	SJOW-A	SOW-A	SJOW-A	SJOW-A	
Power Switch in Handlamp Handle	_	_	Yes	No	
Side Outlet in Handlamp Handle	_	_	Yes	No	
Guard Material	_	_	Zinc Plated Steel	Zinc Plated Steel	
Handle Material	_	_	30% Glass Filled Polyester	Vinyl Nitrile Rubber	
Bulb Wattage	_	_	100 Watt	100 Watt	
Bulb Included	_	_	No	No	

For Reel Dimensions, refer to page 236.

- Adjustable Ball Stop Included
- 6' Feeder Cord (Note: Molded plug included on all NEMA 2 models)
- Slip Ring: 30 Amps, 600 Volts
- Available with or without Type SJOW-A/SJOOW-A
- Note: Add an extra 3' of cable for hookup/safety wrap, plus 10% extra cable for stretch applications due to sag factor
- Available with and without handlamps or receptacle box pre-installed

	944-RS Handlamp	**6000 Outlet Box (2) NEMA 5-15 Duplex Receptacles**	**6029 Extra-Deep Outlet Box (1) NEMA 5-15 Duplex Recpt. & (1) NEMA 5-15 GFI duplex Recpt.**	**15Amp Straight Blade Connector**
	4163-35-HSS			
	4163-50-HSS	4163-50-B		
	4143-40-B	4143-40-BG	4143-40-1610	
	4143-50-B	4143-50-BG	4143-50-1610	
	4123-50-B	4123-50-BG	4123-50-1610	
	125v/10A	125v/10A	125v/10A	125v/10A
	125v/15A	125v/15A	125v/15A	125v/15A
	125v/20A	125v/20A	125v/20A	125v/20A
	SJOW-A	SJOW-A	SJOW-A	SJOW-A
	Yes	_	_	_
	Yes	_	_	_
	Zinc Plated Steel	_	_	_
	Vinyl Nitrile Rubber	_	_	_
	100 Watt	_	_	_
	No	_	_	_

Electric Cord & Cable Reels

5000 Series - Electric Cord Reels

NEW!

Reel shown with optional pivot base.

- UL Listed to US and Canadian Safety Standards for reels with cable
- Ideal for Indoor and Outdoor use (wet or dry)
- Weatherproof NEMA 4X Slip Ring Enclosure
- Heavy All-Steel Construction
- Safety-Yellow Powder-Coated Finish
- Numbered Terminal Blocks for Simplified Hookup
- Formed Steel Stand with Multiple Mounting Holes
- Guide Arm (4-roller, adjustable to 12 positions for efficient cable storage)
- Ratchet - positive lock including constant tension feature
- 35 Amp/600 Volt Slip Ring
- Available in Welding & Grounding Reel Version
- Available in a hose reel version
- Supplied with Type SOW-A or SOOW-A Cable installed
- Primary not supplied with reel

5000 Series Electric Cord Reels Selection Guide

SOW Cable Gauge & Conductors						
	20′	**30′**	**40′**	**50′**	**60′**	**70′**
16/3	5163-20	5163-30	5163-40	5163-50	5163-60	5163-70
16/4	5164-20	5164-30	5164-40	5164-50	5164-60	5164-70
16/6	5166-20	5166-30	5166-40	5166-50		
16/8	5168-20	5168-30	5168-40	5168-50		
16/10	51610-20	51610-30	51610-40			
16/12	51612-20	51612-30	51612-40			
14/3	5143-20	5143-30	5143-40	5143-50	5143-60	5143-70
14/4	5144-20	5144-30	5144-40	5144-50	5144-60	5144-70
14/6	5146-20	5146-30	5146-40	5146-50		
14/8	5148-20	5148-30				
14/10	51410-20					
12/3	5123-20	5123-30	5123-40	5123-50	5123-60	
12/4	5124-20	5124-30	5124-40	5124-50	5124-60	
12/6	5126-20	5126-30				
12/8	5128-20					
10/3	5103-20	5103-30	5103-40	5103-50	5103-60	
10/4	5104-20	5104-30	5104-40	5104-50		
10/6	5106-20	5106-30				

For Reel Dimensions, refer to page 236.

Reel shown with optional pivot base.

- Our 6000 Series and 7000 Series reels are your top-quality, low-cost alternative to other spring reels of this capacity. These reels offer heavy-duty performance at some of the most attractive prices in the market.
- Excellent performance in industrial indoor and outdoor applications (wet or dry)
- Built to NEMA 4 Standards/CSA approved
- Heavy all-steel construction
- Safety-yellow powder-coated finish
- Standard two-piece roller-guide design for maintainability, with a 345° mounting range
- Safety-sealed, lifetime lubricated spring motor cannister
- Generously sized slip ring housing with fully articulating brushes for flawless contact in adverse conditions
- Variety of ring amp ratings from 35-150 Amps
- Reels are sized to handle Type SOW-A, Type W or Type G cable
- Add an extra 7 feet of cable for hookup/safety wrap, as well as an extra 10% of total travel length for stretch applications
- Primary not supplied with reels

6000 & 7000 Series Electric Cord Reels Selection Guide

SOW Cable Gauge & Conductors						
	70′	80′	90′	100′	125′	150′
16/3	6163-70	6163-80	6163-90	6163-100	6163-125	6163-150
16/4	6164-70	6164-80	6164-90	6164-100	6164-125	7164-150
14/3	6143-70	6143-80	6143-90	6143-100	6143-125	7143-150
14/4	6144-70	6144-80	6144-90	6144-100	7144-125	7144-150
12/3	6123-70	6123-80	6123-90	6123-100	7123-125	7123-150
12/4	6124-70	6124-80	6124-90	6124-100	7124-125	
10/3	6103-70	6103-80	6103-90	6103-100	7103-125	
10/4	6104-70	6104-80	6104-90	6104-100	7104-125	

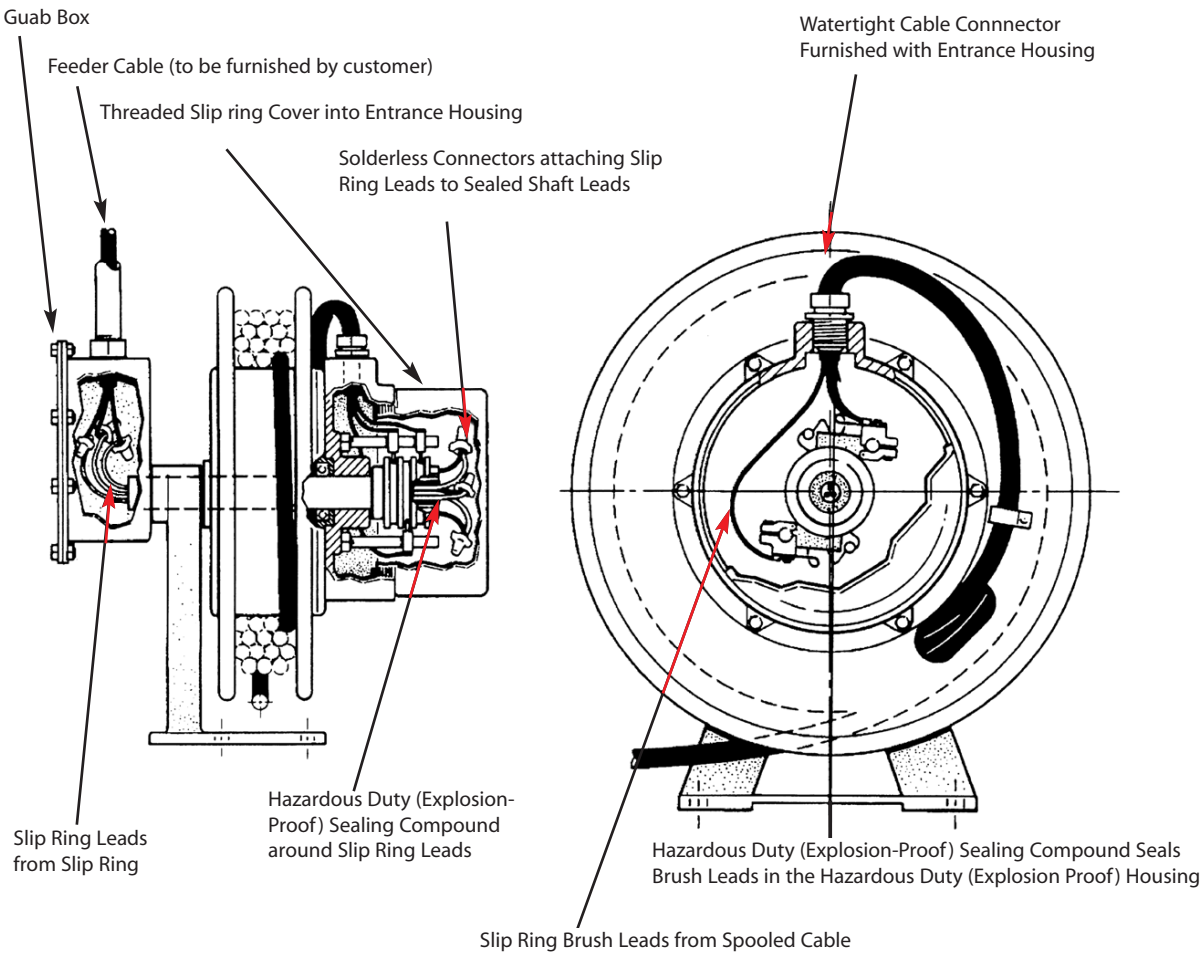
For Reel Dimensions, refer to page 236.

Electric Cord & Cable Reels

8000 Series - Hazardous Location Electric Cord Reels

NEW!

- Enclosures are designed to comply with requirements for Class I, Div 1 - Groups C & D and Class II, Groups F & G but are not certified by any regulatory body
- Built to NEC standards
- Indoor or outdoor use
- Rugged fabricated steel and cast aluminum construction
- 30 Amp / 600 Volt advanced slip ring assembly
- Threaded junction box and slip ring enclosure
- Yellow epoxy coated finish
- SOW-A cable on factory assembled models
- Spring activated ratchet
- 4-roller adjustable cable guide
- Maximum dimensions: 14 1/2" H x 14 1/2" W x 17" D
- Note: 5 additional feet of cable required for safety wrap and hookup



8000 Series Hazardous Duty Reel Selection Guide

SOW Cable Gauge & Conductors	**Length of Cable**	**Reel Only**	**Reel w/ Hazardous Duty Handlamp**	
			2300	**2500**
16/3	20′	8163-20	8163-20-XPI	8163-20-XPF
16/3	40′	8163-40	8163-40-XPI	8163-40-XPF
16/3	50′	8163-50	8163-50-XPI	8163-50-XPF
16/4	20′	8164-20		
16/4	40′	8164-40		
16/4	50′	8164-50		
14/3	20′	8143-20	8143-20-XPI	8143-20-XPF
14/3	40′	8143-40	8143-40-XPI	8143-40-XPF
14/3	50′	8143-50	8143-50-XPI	8143-50-XPF
14/4	20′	8144-20		
14/4	40′	8144-40		
14/4	50′	8144-50		

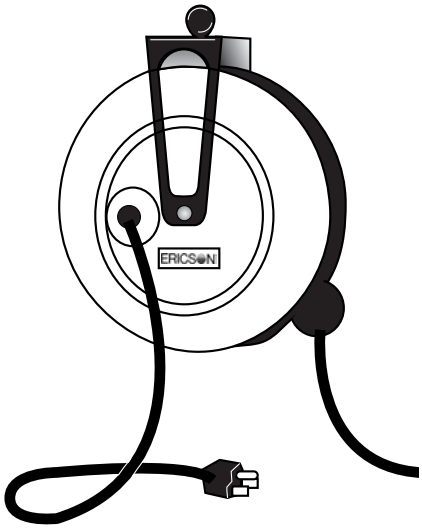
Electric Cord & Cable Reels

2900 Series - Light Duty Electric Cord Reels

- Light duty bright yellow cord reel with steel housing
- Ideal for use in machine shops, automotive garages and commercial and light industrial workshops
- Reel mounts to wall or ceiling
- 2 ft. primary cord with molded-on NEMA 5-15 plug provides wide reach to plug in to nearest receptacle
- Reel comes with incandescent or fluorescent handlamp
- Ratchet lock holds cord at desired position

2900 Series Selection Guide

Cord GA., #Cond. & Type	**Length**		
#16/3 SJT	30′	2900	
#18/2 SJT	40′		2910
Specifications:			
Volts		120	120
Amps		10	7
Handlamp:			
Wattage		100 watt	13
Switch		Yes	Yes
Side Outlet		Yes	



1400 Series - Portable Handwind Reels

These reels are equipped with two NEMA #5-15R receptacle outlets, each rated at 15 amps, 125 volts to permit the use of power tools, lights, etc.
Plug into the nearest receptacle, and take reel and outlets to the work area. Large knob permits winding after job completion.
Heavy steel frame and flanges assure long life. No collector rings or spring motor to wear out.

- 14 AWG steel construction
- Cable Capacities: #16/3 SJOW-A: 200′ #14/3 SJOW-A: 125′ #12/3 SJOW-A: 100′
- UL Listed Receptacle
- Equipped with four NEMA #5-15 15 Amp/125 Volt duplex receptacles
- Large knob permits winding after job completion
- Heavy steel frame and flanges assure long life
- No collector rings or spring motor to wear out
- Indoor use only
- Comes with carrying handle included with frame

Selection Guide

Description	Catalog Number
Reel only, less cord	#1400
With 100′ #12/3 SJO Cord & Plug	#1405
With 125′ #14/3 SJO Cord & Plug	#1415
With 200′ #16/3 SJO Cord & Plug	#1425

Areas used for fuel handling, mines and other places where airborne flammables may exist, require reliable static discharge systems...and Ericson has them. Ericson grounding reels are perfect for discharging dangerous static electricity build-up in hazardous environments.

- Built to NEC Standards
- For indoor use only
- Rugged all steel construction
- Compact Design
- Mounts in any position
- Red epoxy coated finish
- Feet are unfinished for maximum electrical contact
- Resistance not exceeding 0.6 OHMS
- Includes aircraft type cable: 3/32" diameter standard steel
- Includes 100 Amp grounding clamp
- Includes automatic locking ratchet with lockout feature for constant tension

Selection Guide

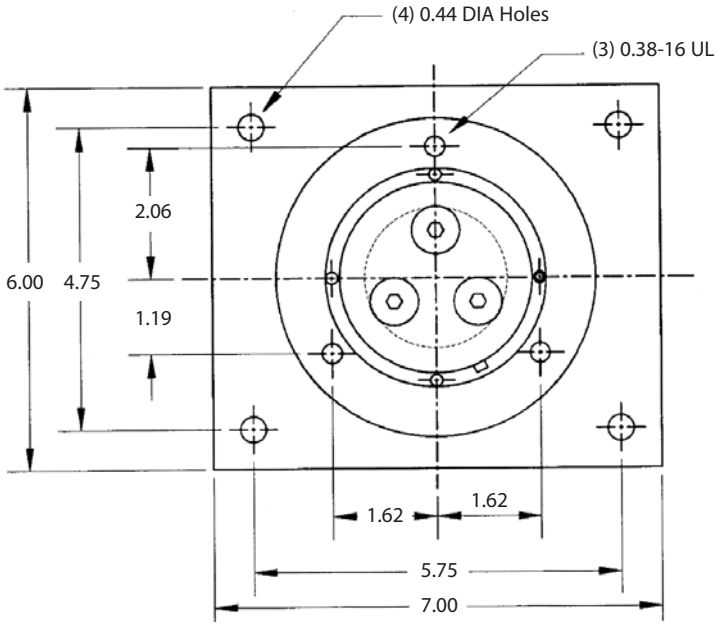
Cable Length	Resistance (ohms)	Description	Catalog Number
50 ft.	0.3	Single Cable	SDR-50

NEW!

345º Pivot Base

- Use our pivot base to customize your hose reel mounting for your specific application
- All steel base
- Lifetime bearing (never needs lubrication)
- Swing can be restricted to 90º, 180º, and 270º
- Anodized clear finish

PB-45



Selection Guide

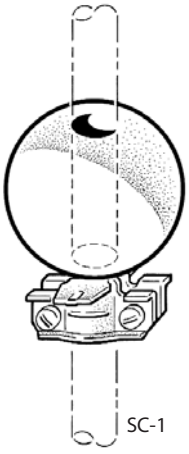
Catalog Number	Description
PB-45	Pivot Base (Weight: 7.3 lbs.)

Ball Stops

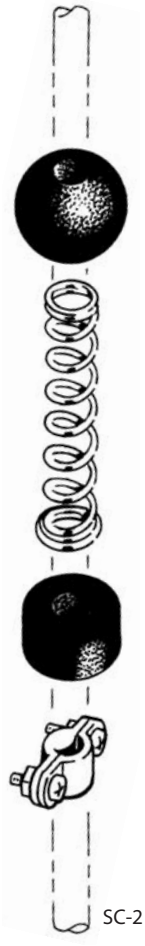
- Also referred to as "cable stops", "bumper stops", or "hose stops"
- Generally used for manually operated lift and drag applications to govern retraction length. Stops are required when accessories such as handlamps and receptacle boxes are installed on cable reels
- Suitable for all Ericson Cable reels

Selection Guide

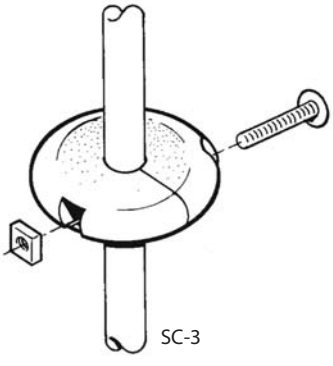
Catalog Number	Description
SC-1	For cable O.D. ranges 0.188" to 0.438"
SC-2	For cable O.D. ranges 0.188" to 0.438" with shock absorbing spring bumper
SC-3	For cable ranges 0.438" to 0.624"



SC-1



SC-2



SC-3

Notes

Visibly the Best
ERICSON®
safety electrical specialties

Hose Reels

5000 Series - Hose Reels

NEW!

- 100% unassisted spring retraction
- For indoor and outdoor use
- 14 gauge all-steel construction
- Containerized spring for safety
- Solid bronze swivel with buna nitrile seal rated at 1000 P.S.I. (for air/water applications)
- Standard fitting rated at 1000 P.S.I.
- Heavy-duty 3/8" formed stand with mounting base
- Finished with durable yellow polyurethane powder coating
- Ratchet assembly provided on all reels (may be disengaged for constant tension)
- Guide arm: 4-roller guide, adjustable to 12 positions for efficient hose payout
- Swivel cover standard on all reels (3.5")
- Reels come re-installed with hose (models available without hose)
- 300 P.S.I. flexible hose
- Hose temperature range: -20ºF to 180ºF (-29ºC to 82ºC)
- Hose is chemically suited for air and water applications
- Options available: hose stops, hose grips, pivot base, inlet hose assemblies, custom roller guides

Why do you need a hose reel?

- Make shop, garage, or other work areas safer: A hose left on the ground can be tripped over by employees or customers, potentially causing serious injury. The Series 5000 Hose Reels keeps hose neatly stored and ready to use.
- Eliminate hose handling problems: Save time and increase efficiency. Grab the hose and go. It's just as easy to reel in. Remember; the Series 5000 hose reel is 100% spring retractable.
- Extend hose life: Save time and money. Reduce costly repairs and downtime when hoses are damaged while left on the ground.

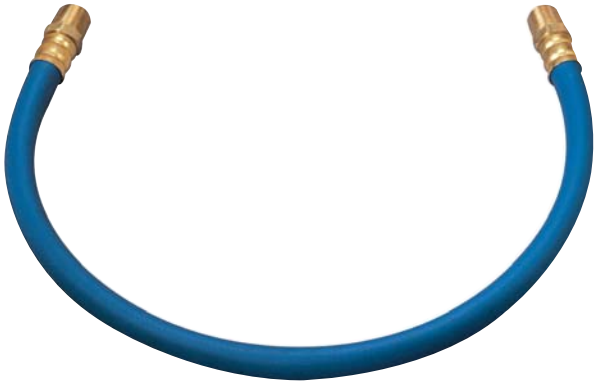
How to order a hose reel

Determine the following

- What will you put through the hose (air, water, ect.)?
- What is the maximum pressure (in P.S.I.) needed for operation?
- How will you be using the hose? (Will it be stretched, lifted/dragged or retrieved?)
- How far out will the hose need to retract?
- Is a ball stop required for the application?
- Is an inlet hose assembly needed to connect hose reel and source of supply? (Highly recommended).

5000 Series Hose Reel Selection Guide

Hose I.D.	Feet of Hose					
	20′	30′	35′	40′	50′	60′
1/4″	5H14-20	5H14-30	5H14-35	5H14-40	5H14-50	5H14-60
3/8″	5H38-20	5H38-30	5H38-35	5H38-40	5H38-50	
1/2″	5H12-20	5H12-30	5H12-35	5H12-40		



Inlet Hose Assemblies

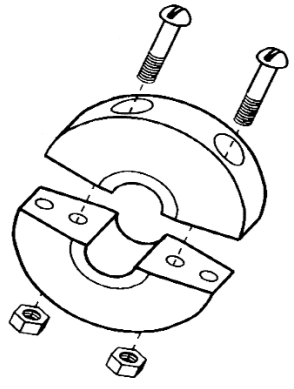
- Standard inlet hose assemblies come with 2 feet of hose and handle 300 P.S.I. of working pressure
- Inlet size for the 5000 Series Hose Reel is 1/2″ including fittings
- For ease of installation, use a flexible hose connection with swivel between the hose reel inlet and the source of supply to prevent possible misalignment and binding

Selection Guide

Catalog Number	Description
5H12-HA	Inlet Hose Assembly (Wt.: 1 lb.)

Hose Stops

- Used to control hose retraction



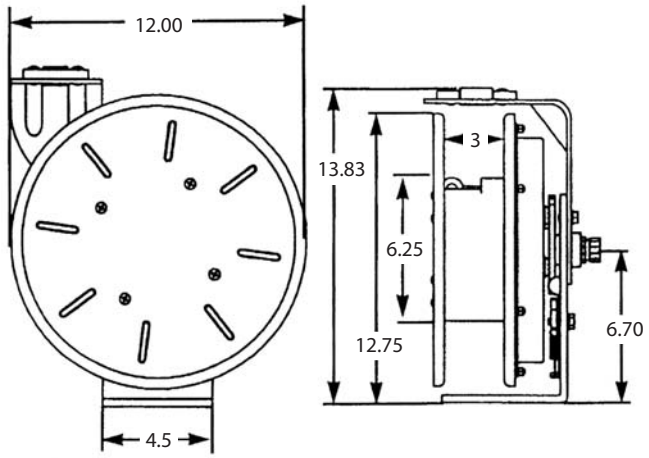
Selection Guide

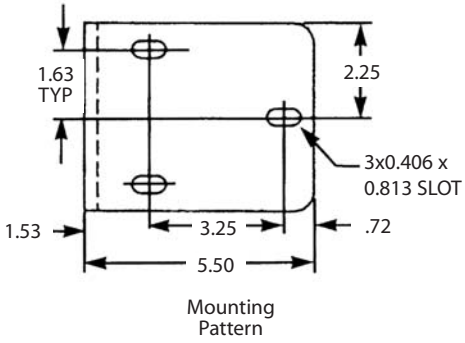
Catalog Number	Description
HS14	For Hose with 1/4″ I.D.
HS38	For Hose with 3/8″ I.D.
HS12	For Hose with 1/2″ I.D.

Electric Cord & Cable Reels

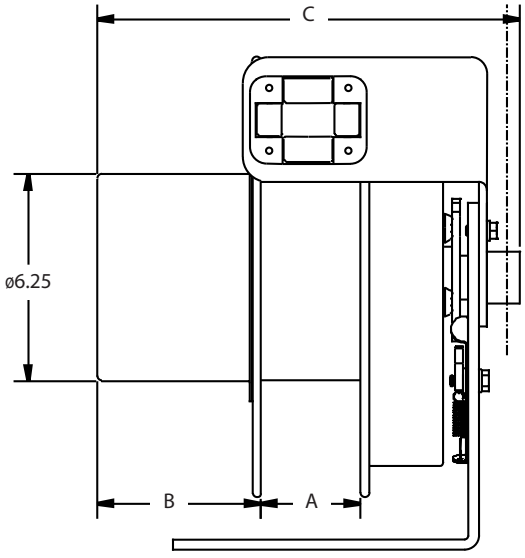
Dimensions

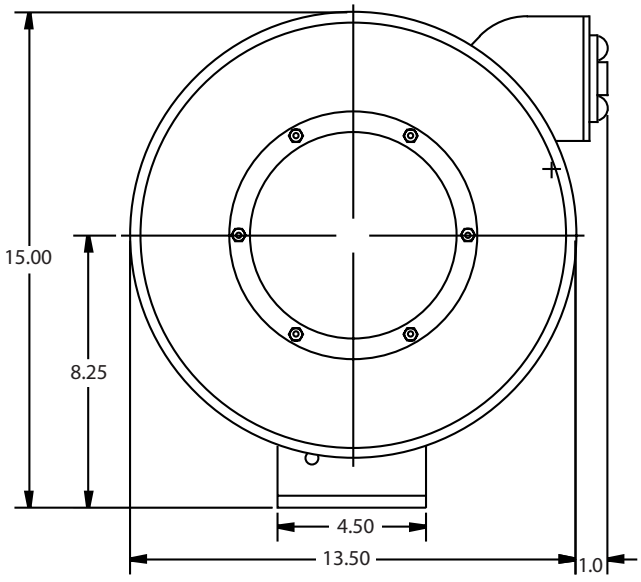
4000 Series

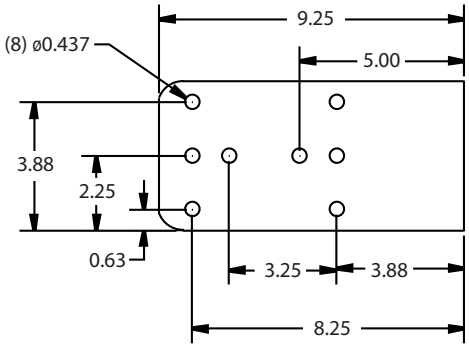




5000 Series



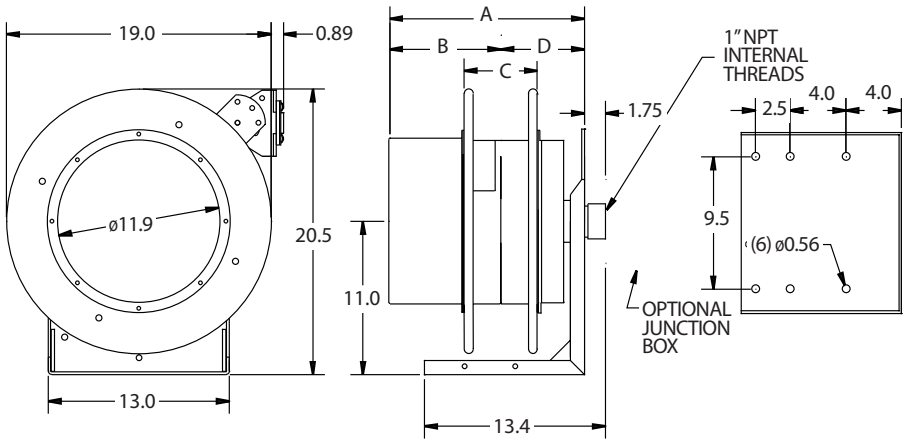




A = 3″TO 6″
B = 3.5″TO 8.5″
C = 13″TO 18″

6000 Series

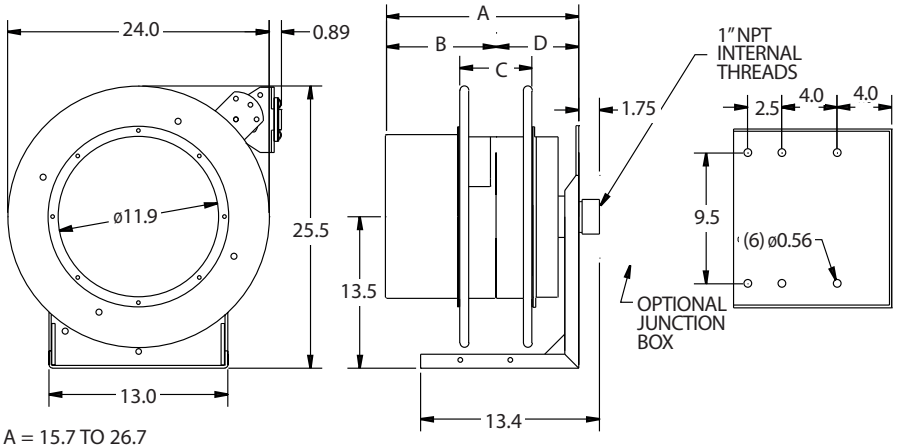
3 AND 4 CONDUCTOR REELS HAVE
THE SMALLEST DIMENSIONS



A = 15.7 TO 26.7
B = 8 TO 17.8
C = 5.5 OR 7.9
D = 6 OR 7.3
JUNCTION BOX DEPTH = 2.25 TO 5.25

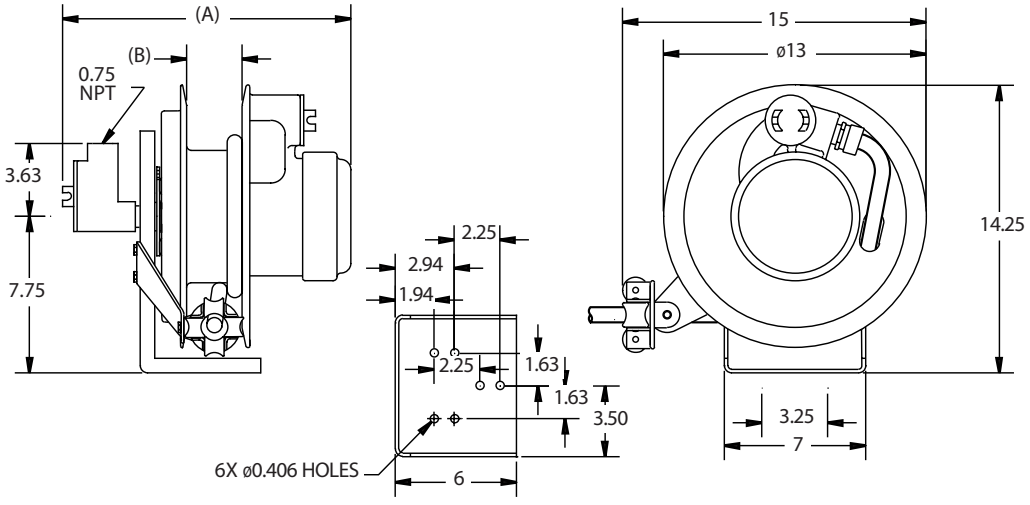
7000 Series

3 AND 4 CONDUCTOR REELS HAVE
THE SMALLEST DIMENSIONS



A = 15.7 TO 26.7
B = 8 TO 17.8
C = 5.5 OR 7.9
D = 6 OR 7.3
JUNCTION BOX DEPTH = 2.25 TO 5.25

8000 Series



DIM. A = 14.27 TO 16.95
DIM. B = 2.73 TO 4.92

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5500 Series compact pistol grip station
5500/5600 Series single, dual & variable speed stations
5700 Series rubber enclosure pendant stations

Visibly the Best
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Ericson Manufacturing Company provides single, dual and variable speed push button pendant stations. Product offering extends from our compact pistol grip 2-button station to our 8-button variable speed model. In the following pages you will find:

- 5500 Series compact pistol grip station
- 5500/5600 Series single, dual & variable speed stations
- 5700 Series rubber enclosure stations

5500 Series compact pistol grip station

- UL Listed and CSA Certified
- Available with a variety of cord types and lengths
- Full range of replacement parts are available for your field service repair work.

5500/5600 Series single, dual & variable speed stations

- UL Listed and CSA Certified
- NEMA Type 4X environmental rating

5700 Series rubber enclosure pendant stations

- UL Listed and CSA Certified
- NEMA Type 4X environmental rating
- Available in a variety of standard and custom assemblies

Custom Built Devices

As always, you can turn to Ericson Manufacturing Company to engineer a solution to your application if you do not find a standard catalog item to fit your need; from custom legend plates to custom button configurations. Contact the factory or your local sales representative to find out more.

Pendant Stations

5500 Series Pistol Grip

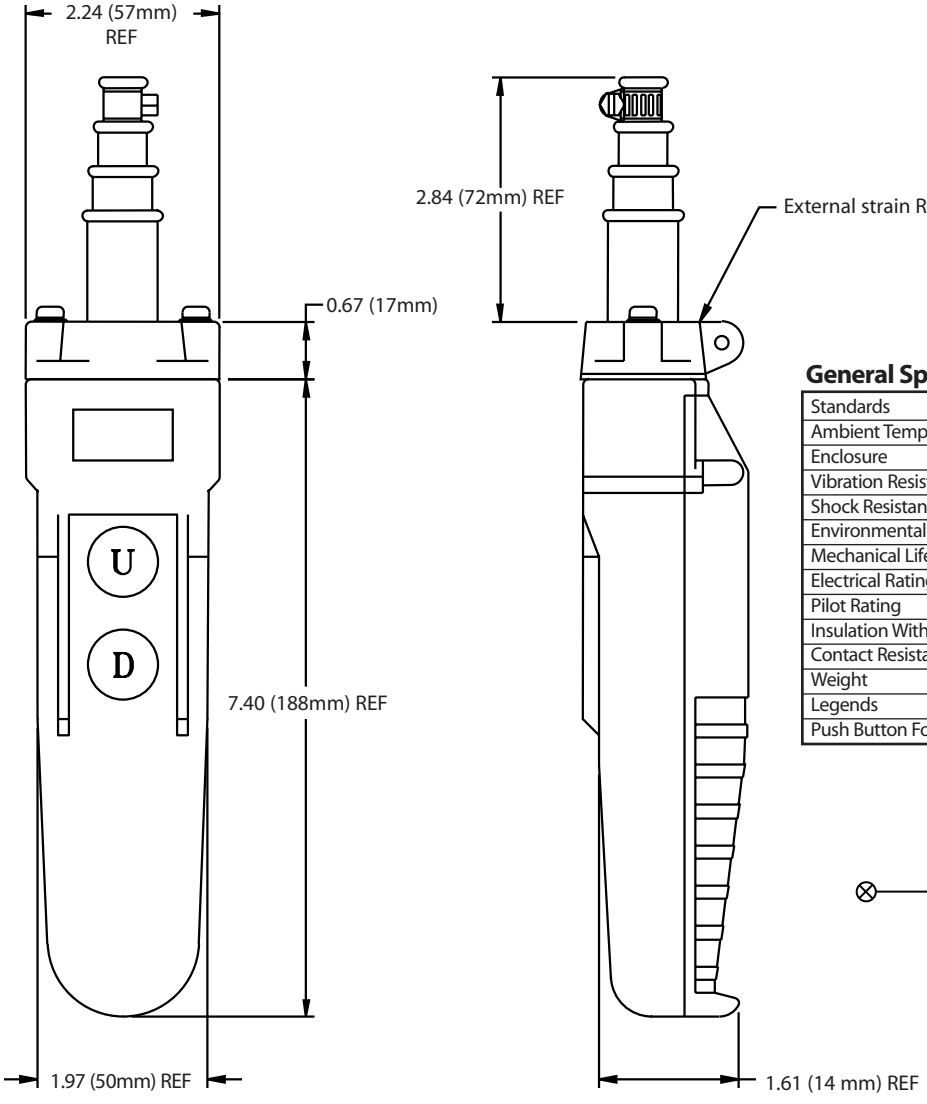
5500 Series Compact Pistol Grip Pendant Station

Ericson's pistol grip pendant stations are ideal for controlling industrial cranes and hoists and for remote jog operation of industrial machines.

- Single speed 5A, 125V contact block
- Compact, lightweight, ergonomic design
- Weighs only 10 ounces
- Less than 2" wide
- Made of high impact ABS resin
- High visibility safety yellow color
- NEMA TYPE 4 waterproof rating
- Internal and external strain relief
- Variable diameter cable bushing with clamp accommodates a wide range of cable sizes
- Easy-to-push pressure switches
- 50 g shock resistance
- UL Listed and CSA certified

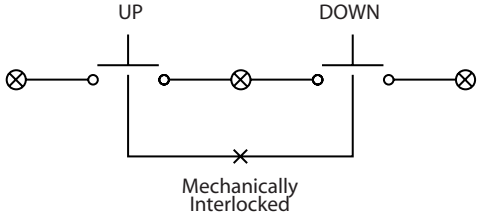
5500 Series Compact Pistol Grip Selection Guide

Cat. No.	Description	Switches	Contact Ratings			NEMA
			Speed	Amps	Volts	TYPE Rating
5502-PG	2-button, single speed pistol grip	2	1	5	125	4



General Specifications

Standards	UL508
Ambient Temperature	-15° C - +50°C
Enclosure	ABS Safety Yellow
Vibration Resistance	10g From 10-55 Hz
Shock Resistance	50g
Environmental Protection	NEMA 4, IP65 Indoor use only
Mechanical Life	AC15 2A & 110V-500,000 Operations
Electrical Rating	General Purpose, 120V, 5A
Pilot Rating	UL Pilot Duty B150
Insulation Withstand	2500VAC/1 Min.
Contact Resistance	Less Than 100M DHM
Weight	10 oz.
Legends	Standard Up/Down. Others Available
Push Button Force	2 Lbs.



SCHEMATIC

UL Listed CSA Certified

5500/5600 Series Single, Dual & Variable Speed Pendant Stations

- Available in 2 to 8 button configurations
- Single- and two-speed models
- Neoprene boots surround buttons to seal out dirt and moisture
- Two-piece enclosure simplifies field wiring
- Soft pressure and positive indent switches provide optimum tactile feedback so you can feel when switch has been engaged
- Contacts rated at 5A/120VAC
- NEMA TYPEs 1, 3, 4, 4X and 12 along with IP67 suitability enclosure ratings
- Double insulated 2500V withstand voltage
- 100 g shock resistance
- UL Listed and CSA Certified

Cable Packing Gland
Furnished with bushing available in 16 sizes, insures water tight seal.

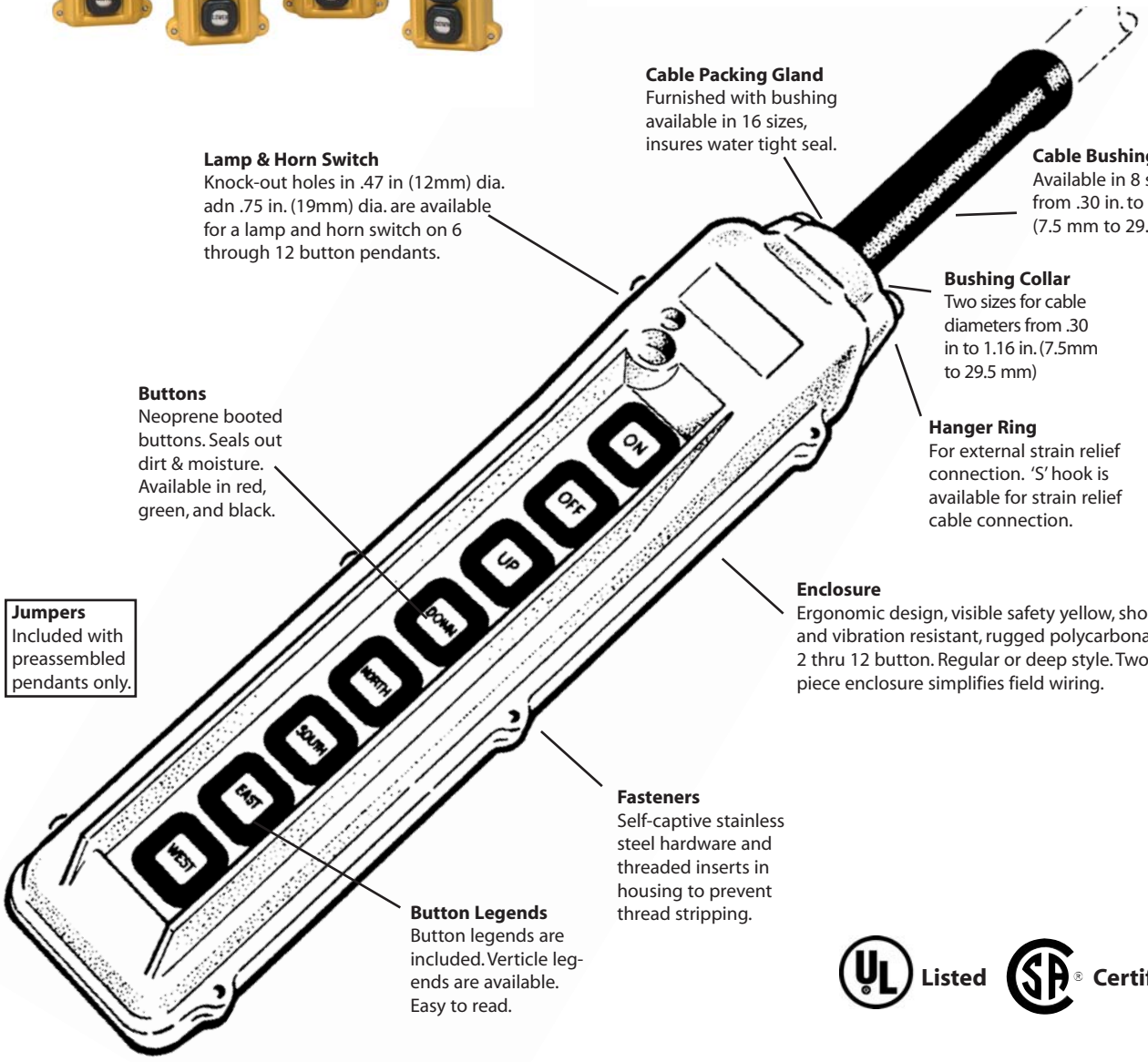
Lamp & Horn Switch
Knock-out holes in .47 in (12mm) dia. adn .75 in. (19mm) dia. are available for a lamp and horn switch on 6 through 12 button pendants.

Cable Bushings
Available in 8 sizes from .30 in. to 1.16 in. (7.5 mm to 29.5 mm)

Bushing Collar
Two sizes for cable diameters from .30 in to 1.16 in. (7.5mm to 29.5 mm)

Buttons
Neoprene booted buttons. Seals out dirt & moisture. Available in red, green, and black.

Hanger Ring
For external strain relief connection. 'S' hook is available for strain relief cable connection.



Jumpers
Included with preassembled pendants only.

Enclosure
Ergonomic design, visible safety yellow, shock and vibration resistant, rugged polycarbonate. 2 thru 12 button. Regular or deep style. Two piece enclosure simplifies field wiring.

Fasteners
Self-captive stainless steel hardware and threaded inserts in housing to prevent thread stripping.

Button Legends
Button legends are included. Verticle legends are available. Easy to read.

UL Listed CSA Certified

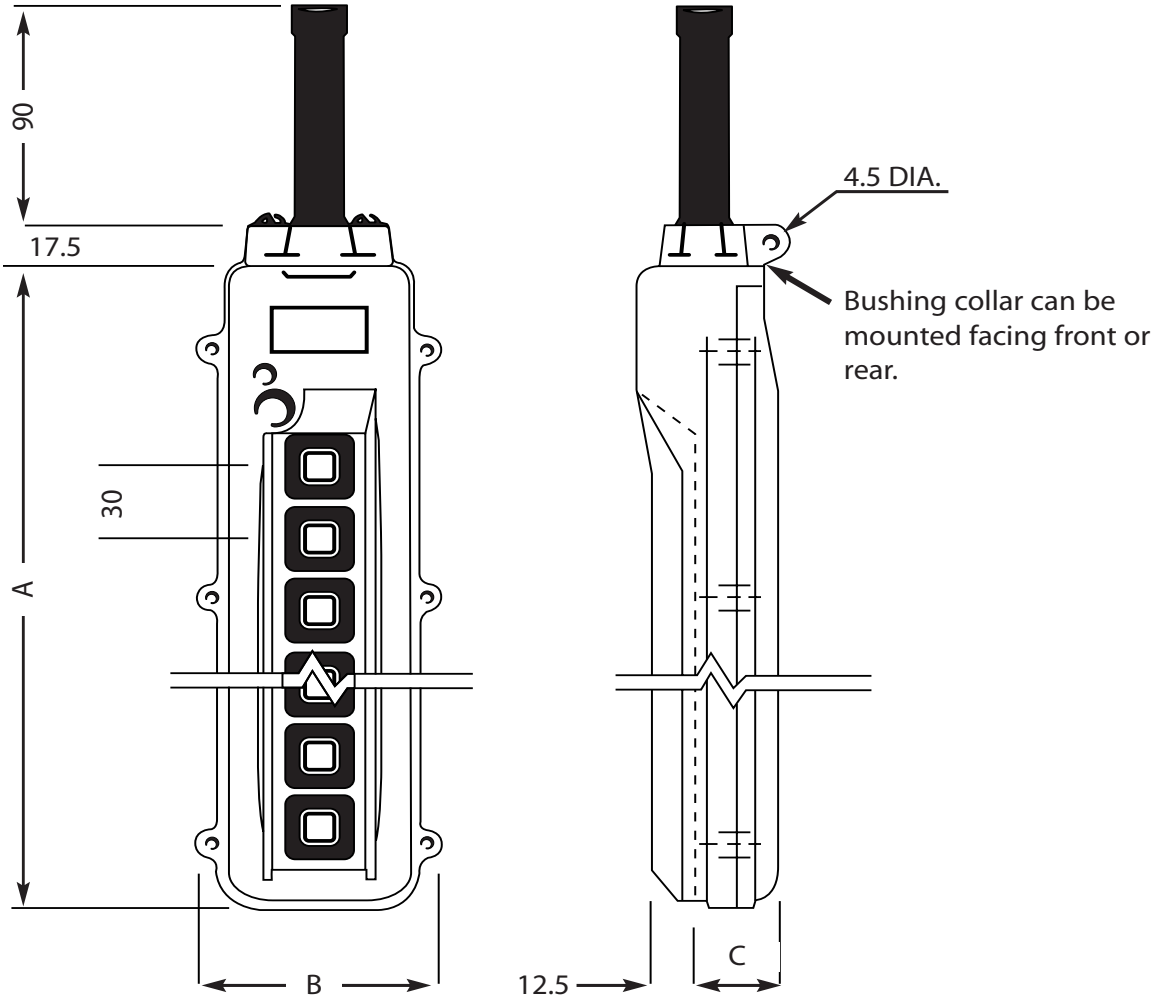
Pendant Stations

5500/5600 Series

5500/5600 Series Single, Dual & Variable Speed Selection Guide

Cat. No.	Description	Switches	Contact Ratings			NEMA	Cable Dia.
			Speed	Amps	Volts	TYPE Rating	Range
5502	2-button, single speed	2	1	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5504	4-button, single speed	4	1	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5506	6-button, single speed	6	1	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5508	8-button, single speed	8	1	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5502-2	2-button, 2-speed	2	2	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5504-2	4-button, 2-speed	4	2	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5506-2	6-button, 2-speed	6	2	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5508-2	8-button, 2-speed	8	2	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5608-3	8-button, 3-speed	8	3	5	125	1, 3, 4, 4X, 12	.31-.83 in. (8-21mm)
5608-5	8-button, 5-speed	8	5	1	125	1, 3, 4, 12	.688 - 1.25 in. (17.4 - 31.7mm)

Dimensions

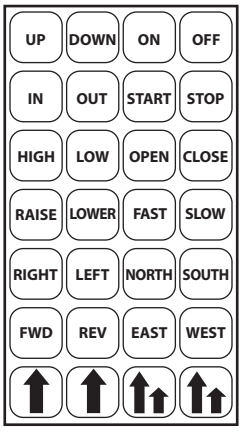


Number of Positions	A Dim.	B Dim.	C Dim.
2	4.49 in. (114 mm)	3.07 in. (78 mm)	1.46 in. (37 mm)
4	7.09 in. (180mm)	3.07 in. (78 mm)	1.46 in. (37 mm)
6	10.31 in. (262 mm)	3.07 in. (82 mm)	1.48 in. (37.5 mm)
8	12.68 in. (322 mm)	3.23 in. (82 mm)	1.48 in. (37.5 mm)
10	15.24 in. (387 mm)	3.43 in. (87 mm)	1.48 in. (37.5 mm)
12	17.60 in. (447 mm)	3.43 in. (87 mm)	1.48 in. (37.5 mm)

Replacement Parts

Description	Cat. No.
Switch, single speed	5500
Switch, 2-speed	5500-2
Switch, 5-speed	5600-5
Switch, 2-button, start/stop	5601
Switch, N.O. for horn, 6A/125VAC, 3A/250VAC, 19mm dia hole for 5500/5600	5600-HS
Pilot light, neon, red, 120VAC/250VAC, 19mm dia hole for 5500/5600	5600-PL

Button Legend Sheets



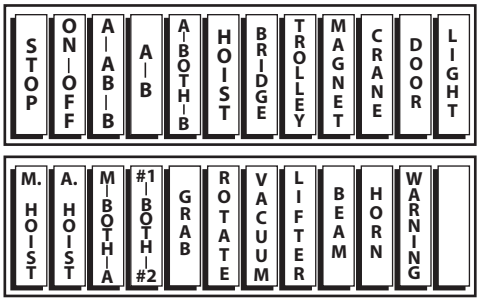
Button Legends

(For push button marking) (1) Sheet included with each assembled pendant.

Description	Part Number
BUTTON LEGEND SHEET	5500-LS
VERTICAL LEGEND SHEET	5500-LSV

Vertical Legends

(For Case Marking)
Consult Ericson for vertical legends not shown.



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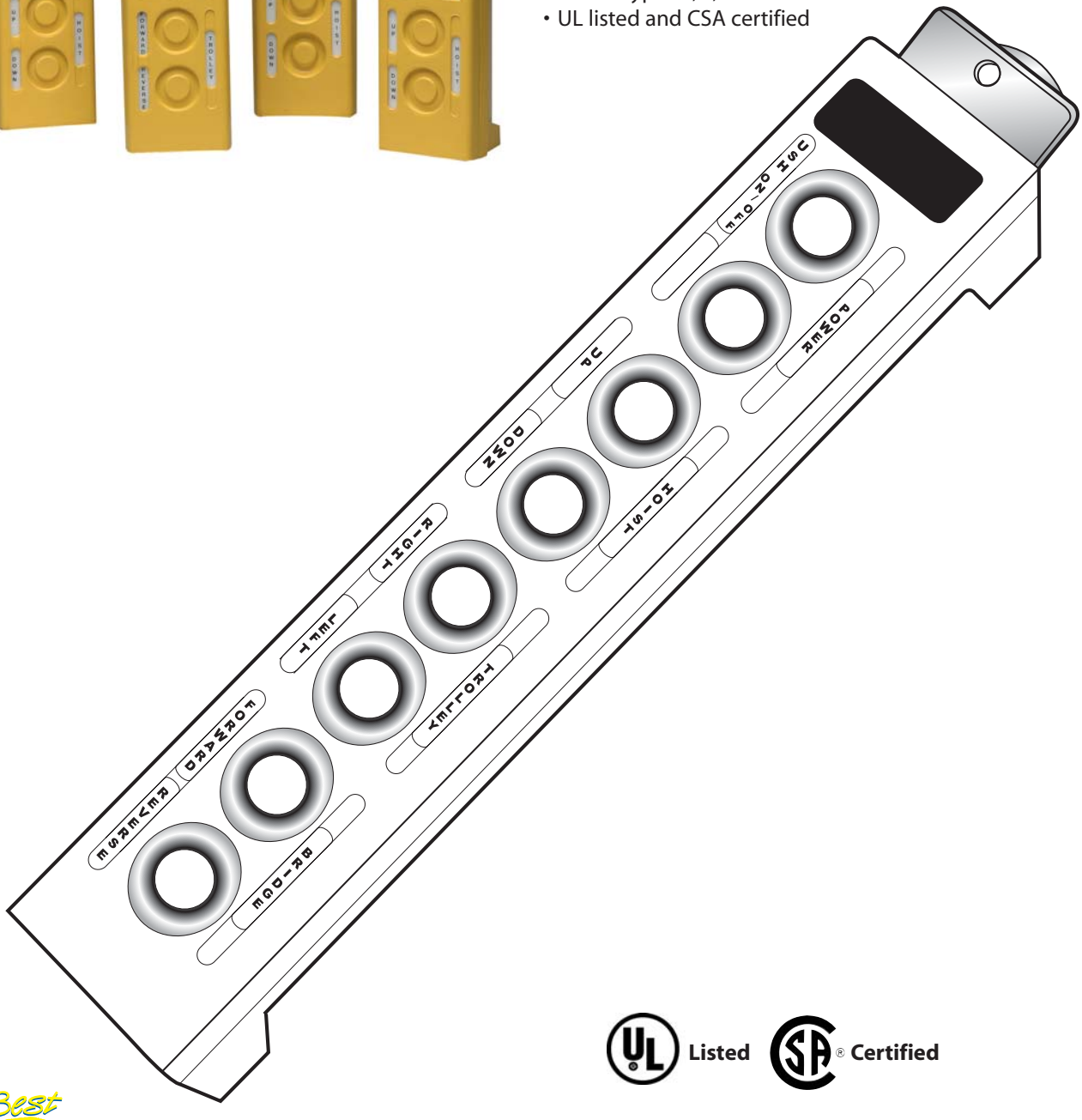
Pendant Stations

5700 Series

5700 Series Rubber Enclosure Pendant Stations

- Available in 2 to 8 button configurations
- Single- and two-speed models
- Built-in strain relief bracket
- Rubber enclosure covers buttons to prevent outside contaminants from entering enclosure
- Standard legend plates (see following page) and cord grip included with each pendant station
- Two-piece enclosure simplifies field wiring
- Soft pressure and positive indent switches provide optimum tactile feedback wo you can feel when switch has been engaged
- Contacts rated at 10A/125VAC
- NEMA Types 1, 3, 4 & 12
- UL listed and CSA certified



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5700 Series Rubber Enclosures Selection Guide

Cat. No.	Description	Switches	Speed	Amps	Volts	NEMA TYPE Rating	Cable Dia. Range
5702	2-button, single speed, rbr encl	2	1	10	125	1, 3, 4, 12	.437 - .740 in.
5702-2A	2-button, 2-speed, rbr encl [1]	2	2	10	125	1, 3, 4, 12	.437 - .740 in.
5704	4-button, single speed, rbr encl	4	1	10	125	1, 3, 4, 12	.437 - .740 in.
5704-2A	4-button, 2-speed, rbr encl [1]	4	2	10	125	1, 3, 4, 12	.437 - .740 in.
5706	6-button, single speed, rbr encl	6	1	10	125	1, 3, 4, 12	.437 - .740 in.
5706-2A	6-button, 2-speed, rbr encl [1]	6	2	10	125	1, 3, 4, 12	.437 - .740 in.
5708	8-button, single speed, rbr encl	8	1	10	125	1, 3, 4, 12	.640 - .875 in.
5708-2A	8-button, 2-speed, rbr encl [1]	6	2	10	125	1, 3, 4, 12	.640 - .875 in.

Notes:

1. Standard two-speed switches have cumulative-type make-make contacts. If non-cumulative-type break-before-make contacts are required, delete the" "A" in the catalog number when ordering and specify accordingly.

Standard Legend Plates:

2 Button
Hoist
Up
Down
Start
Stop
Red & Green Disc

4 Button
Hoist
Power
Trolley
Up
Down
Right
Left
Forward
Reverse
Start
Stop
Red & Green Disc

6 & 8 Button
Hoist
Trolley
Bridge
Power
Up
Down
Start
Stop
Right
Left
North
South
East
West
Forward
Reverse
4 Tie Straps
Red & Green Disc

Visibly the Best
ERICSON®
safety electrical specialties

Wire Mesh Grips

- SRG Series Bus Drop Support Grips
- SRGD Series Strain Relief Grips

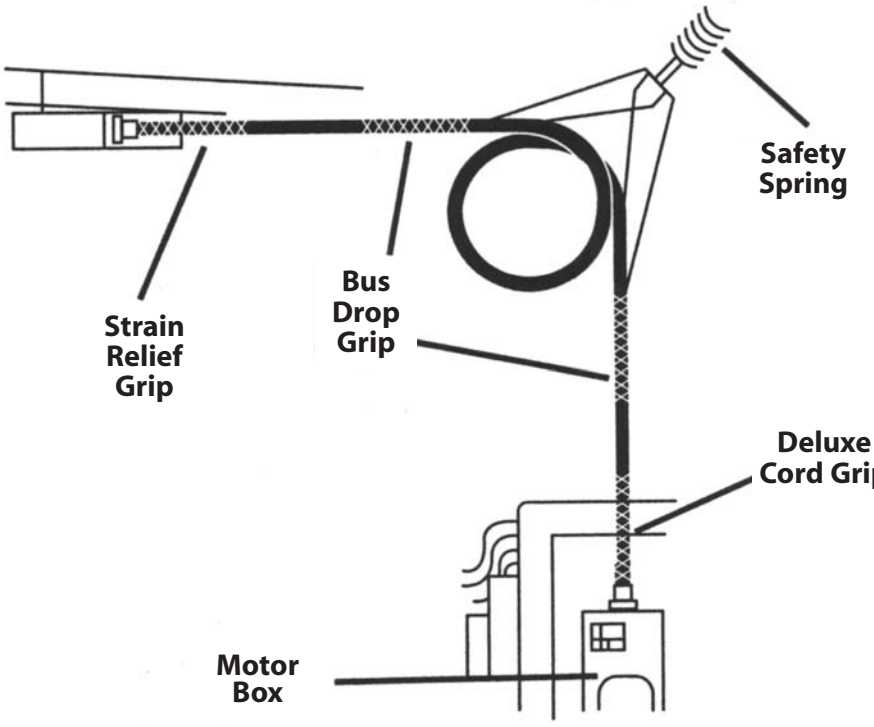
Cable Glands

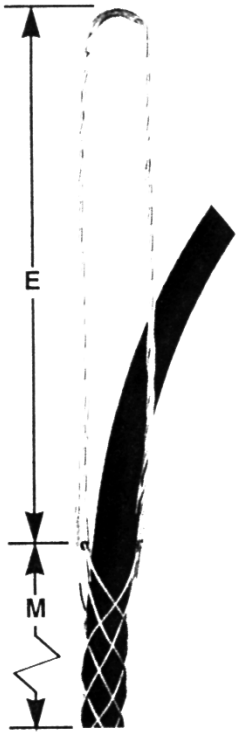
- LTG Series Straight & 90°
- LTG Series Flex

Wire Mesh Cable Grips

Ericson's grips are available in support and strain relief models. These wire mesh grips control arc of bend and prevent cable pullout while providing added strain relief. Ericson's cable grips prevent strain from being concentrated at a single point and distribute it over the length of the mesh. Constructed with stranded wire, precision woven and assembled to assure the highest level of performance reliability

- ***SG Series Bus Drop Support Grips:***
  - Single variable weave mesh
  - Galvanized steel mesh for additional holding power in industrial environments
  - Strand equalizers position wires so that the load is distributed evenly over length of the mesh
  - Light duty, indoor use only for permanent support
  - Easy to install
  - Single eye bale attachment
  - Use for light-duty support of the dead weight of flexible cable connections of electrical machinery to bus ducts, relieving strain, pull, vibration and flexing. Often used in conjunction with strain relief grips.
  - Typical applications include:
    - All factory equipment
    - Cable drops for electrical connections





SG Series Bus Drop Support Grips Selection Guide

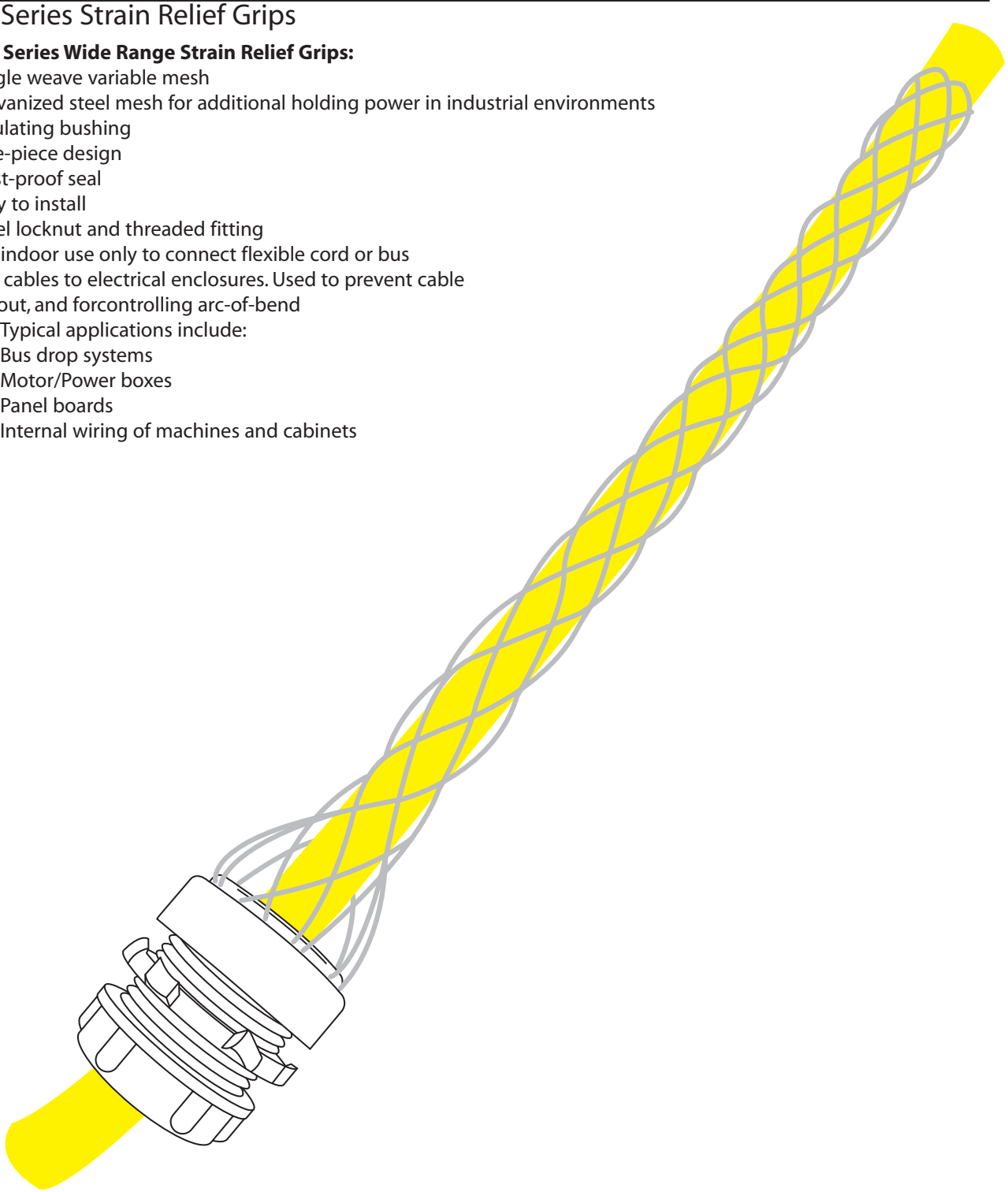
Cat. No.	Description	Cable Dia. Range in./(cm)	Approx. Breaking Strength lbs./(N)	U-Eye Bale Length(E) in./(cm)	Mesh Length(M) in./(cm)
SG32	Bus Drop Support, .32"-.43" Dia. Cable, Single U-Eye Bale	.32-.44/(.81-1.09)	450 (2,002)	4 (10.16)	4 (10.16)
SG43	Bus Drop Support, .43"-.56" Dia. Cable, Single U-Eye Bale	.43-.56/(1.09-1.42)	550 (2,446)	6 (15.24)	4-3/4 (12.06)
SG56	Bus Drop Support, .56"-.73" Dia. Cable, Single U-Eye Bale	.56-.73/(1.42-1.85)	1000 (4,448)	7 (17.78)	6 (15.24)
SG73	Bus Drop Support, .73"-.85" Dia. Cable, Single U-Eye Bale	.73-.85/(1.85-2.16)	1400 (6,227)	7 (17.78)	6-3/4 (17.14)

Wire Mesh Cable Grips

SRG Series Strain Relief Grips

◦ **SRG Series Wide Range Strain Relief Grips:**

- Single weave variable mesh
- Galvanized steel mesh for additional holding power in industrial environments
- Insulating bushing
- One-piece design
- Dust-proof seal
- Easy to install
- Steel locknut and threaded fitting
- For indoor use only to connect flexible cord or bus drop cables to electrical enclosures. Used to prevent cable pull-out, and forcontrolling arc-of-bend
  - Typical applications include:
  - Bus drop systems
  - Motor/Power boxes
  - Panel boards
  - Internal wiring of machines and cabinets

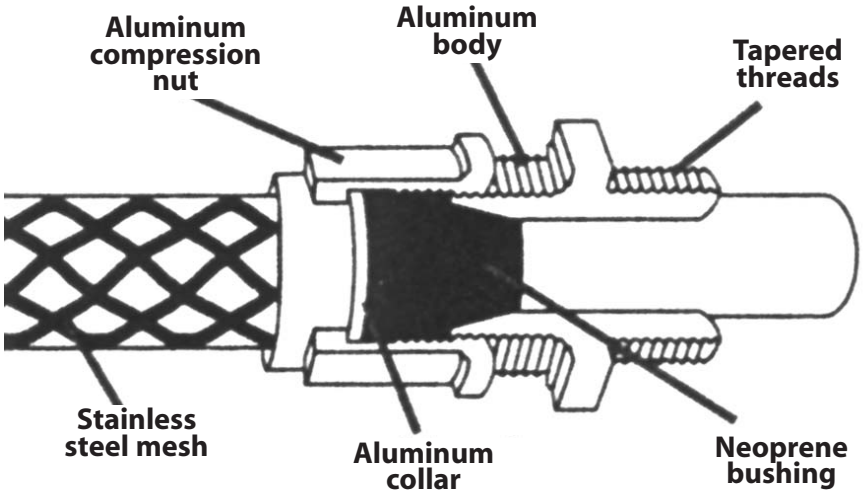


SRG Series Strain Relief Grips-Single Weave Mesh Selection Guide

Cat. No.	Description	Cable Dia. Range in./(cm)	Thread Size	Mesh Length in./(cm)
SRG3212	Str Rlf, Sngl Weav Msh, .32"-.4" Dia. Cable, 1/2" NPS, 3-3/4" Long Mesh	.32-.43/(.81-1.09)	1/2" NPS	3-3/4 (9.52)
SRG4312	Str Rlf, Sngl Weav Msh, .43"-.54" Dia. Cable, 1/2" NPS, 4-3/4" Long Mesh	.43-.54/(1.09-1.37)	1/2" NPS	4-3/4 (12.06)
SRG5434	Str Rlf, Sngl Weav Msh, .54"-.73" Dia. Cable, 3/4" NPS, 6-1/2" Long Mesh	.54-.73/(1.37-1.85)	3/4" NPS	6-1/2 (16.51)
SRG731	Str Rlf, Sngl Weav Msh, .73"-.97" Dia. Cable, 1" NPS, 7" Long Mesh	.73-.97/(1.85-2.46)	1" NPS	7 (17.78)

◦ **SRGD Series Wide Range Strain Relief Grips:**

- Double to single weave variable mesh
- Stainless steel mesh provides corrosion resistance and adds strength to the entire assembly
- Neoprene oil and watertight seal
- Liquid-tight seal
- Ideal for use with insulated cables
- Aluminum fitting
- Flexible mesh makes installation easy
- Use for indoor and outdoor applications where cable is exposed to moisture, splashing or wash downs. Provides strain relief and prevents pullout from tension, vibration, motion and strain applications.
- Typical applications include:
  - Food processing equipment
  - Chemical machinery
  - Switch boxes
  - Pumps
  - Compressors
  - Motors & machine tools
  - Drop stations



SRGD Series Strain Relief Grips-Single to Double Weave Mesh

Cat. No.		Cable Dia. Range in./(cm)
SRGD3712	Strain Relief, Double to Single Weave, .375"-.500" dia. cable, 1/2" NPT male	.375-.500/(.95-1.27)
SRGD5012	Strain Relief, Double to Single Weave, .500"-.625" dia. cable, 1/2" NPT male	.500-625/((1.27-1.59)
SRGD3734	Strain Relief, Double to Single Weave, .375"-.500" dia. cable, 3/4" NPT male	.375-.500/(.95-1.27)
SRGD5034	Strain Relief, Double to Single Weave, .500"-.625" dia. cable, 3/4" NPT male	.500-625/((1.27-1.59)
SRGD6234	Strain Relief, Double to Single Weave, .625"-.750" dia. cable, 3/4" NPT male	.625-.750/(1.59-1.90)
SRGD501	Strain Relief, Double to Single Weave, .500"-.625" dia. cable, 1" NPT male	.500-625/((1.27-1.59)

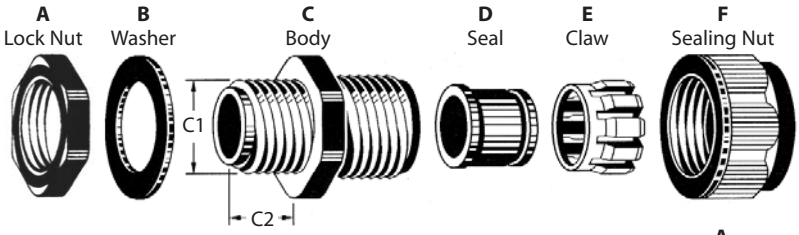
Cable Glands

Straight & 90° Cable Glands

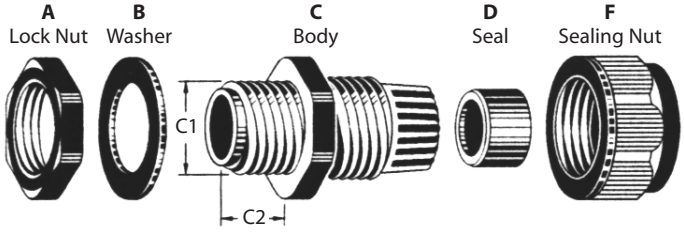
Cable Glands

Ericson's nylon liquid tight cable glands are resistant to salt water, weak acids, alcohol oil, grease. These cable glands provide an IP68 watertight rating and provide unlimited protection against contact with live parts and any penetration of dust while providing protection against continuous submersion in water. Easy to install, simply push cable through the gland without disassembling it and tighten the nut. Available in straight through fitting and straight through flex fittings. These are ideal for applications such as control cabinets, electrical enclosures, machinery and equipment.

- **LTG straight and 90° fittings**
  - Available with NPT and PG thread entry
  - Can be installed in threaded hole or clearance hole
  - Made from Nylon and rubber to ensure performance and durability
  - IP68 environmental rating
  - Accommodate wide range of cable diameters, .24"-.98" (6mm-25mm)
  - Working temperature -20° C to 100° C - can withstand 120° C for short periods
  - Seals around flexible cable and outlet hole
  - Supplied with locknut & washer



Cable glands with NPT hubs



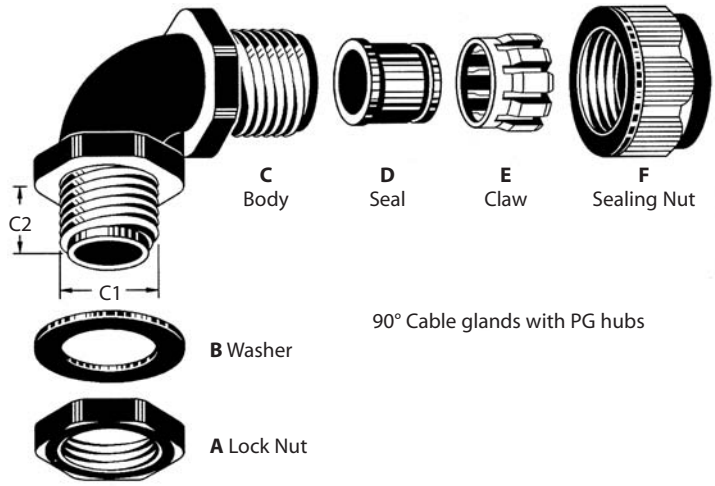
Cable glands with PG hubs

Liquid Tight Straight Through Cable Gland Fittings (NPT Hubs)

Cat. No.	Thread Entry	Cable dia. Range				Thread O.D. (C1)		Thread Length (C2)	
		Min. (in)	Max. (in)	Min. (in)	Max. (mm)	in.	mm	in.	mm
LTG38	3/8" NPT	0.24	0.39	6	10	0.67	17.1	0.51	13
LTG12	1/2" NPT	0.35	0.55	9	14	0.84	21.3	0.51	13
LTG34	3/4" NPT	0.51	0.71	13	18	1.05	26.6	0.59	15

Liquid Tight Straight Through Cable Gland Fittings (PG Hubs)

Cat. No.	Thread Entry	Cable dia. Range				Thread O.D. (C1)		Thread Length (C2)		Mounting Hole dia.		Max. Overall Length	
		Min. (in)	Max. (in)	Min. (mm)	Max. (mm)	in.	mm	in.	mm	in.	mm	in.	mm
LTG11	PG11	0.24	0.41	6	10.5	0.73	18.6	0.35	9	0.75	19	1.54	39
LTG135	PG13.5	0.30	0.49	7.5	12.5	0.80	20.4	0.38	9.6	0.83	21	1.77	45
LTG16	PG16	0.33	0.55	8.5	14	0.89	22.5	0.39	10	0.91	23	1.89	48
LTG21	PG21	0.49	0.71	12.5	18	1.11	28.3	0.47	12	1.14	29	1.97	50
LTG29	PG29	0.71	0.98	18	25	1.46	37	0.59	15	1.50	38	2.28	58

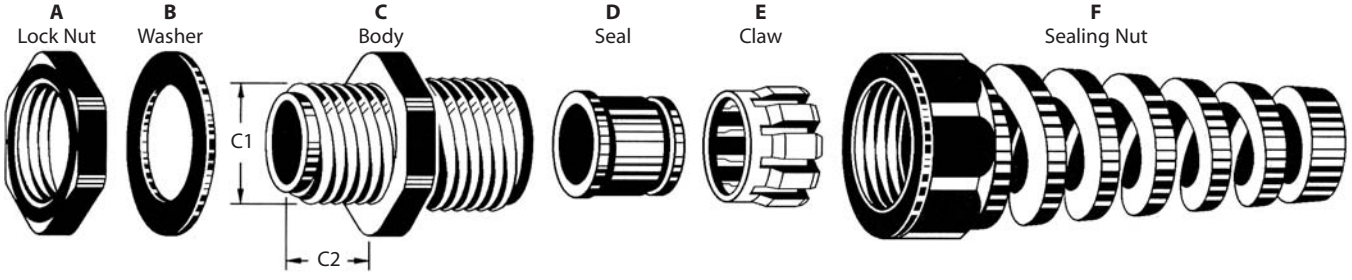


90° Cable glands with PG hubs

Liquid Tight 90° Cable Gland Fittings (PG Hubs)

Cat. No.	Thread Entry	Cable Dia. Range				Thread O.D. (C1)		Thread Length (C2)		Mounting Hole dia.	
		Min. (in)	Max. (in)	Min. (mm)	Max. (mm)	in.	mm	in.	mm	in.	mm
LTG16-90	PG16	0.24	0.41	6	10.5	0.89	22.5	0.43	11	0.91	23
LTG16A-90	PG16	0.31	0.51	8	13	0.89	22.5	0.43	11	0.91	23

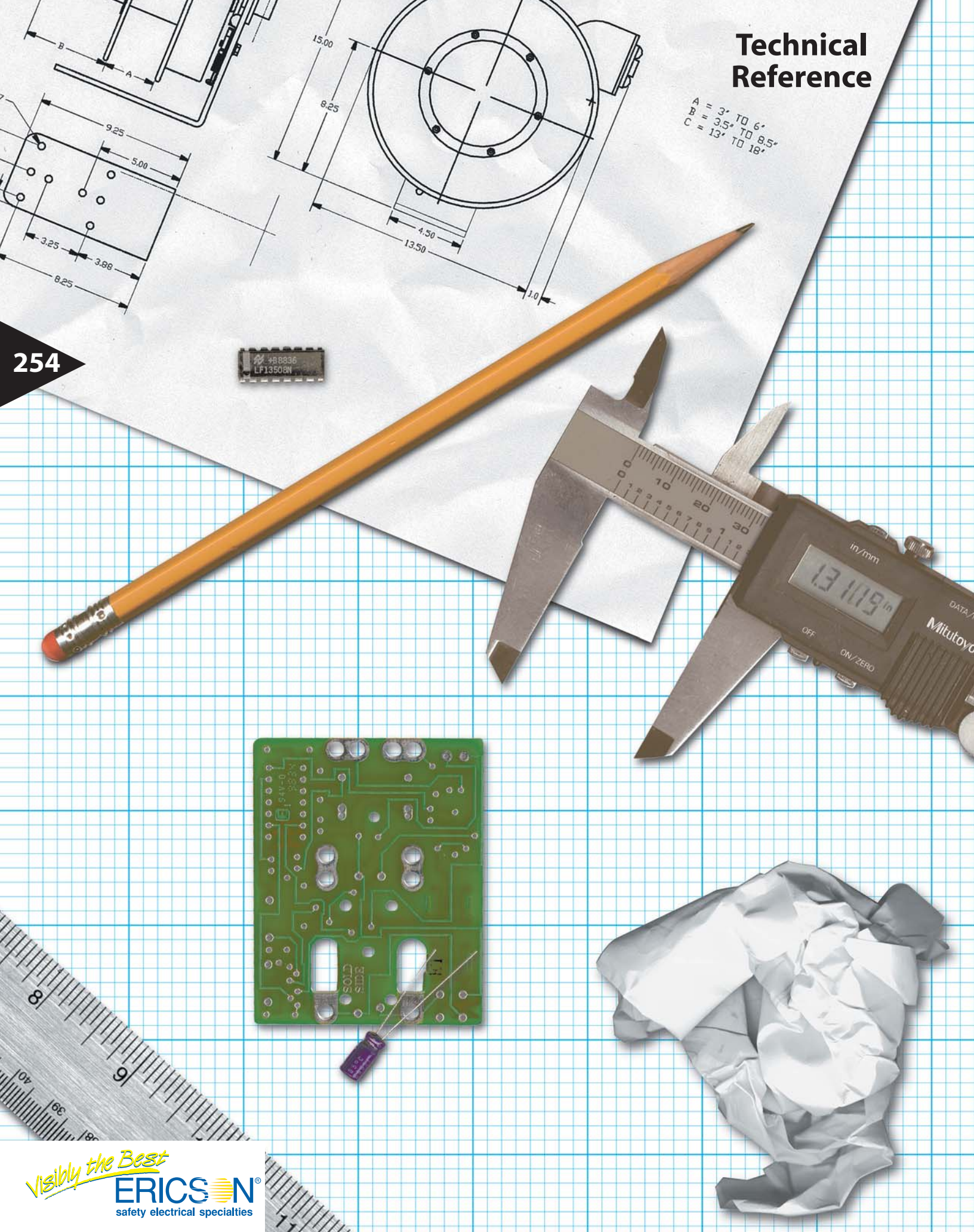
- **LTG Flex straight through fittings with flexible strain relief**
  - PG thread can be installed in threaded hole or clearance hole
  - Made from Nylon and rubber to ensure performance and durability
  - IP68 environmental rating
  - Accommodate wide range of cable diameters, .24"-.61" (6mm-15.6mm)
  - Working temperature -20 C to 100 C - can withstand 120 C for short periods
  - Flexible tail extends down cable to provide added degree of protection against abrasion and limit arc of bend
  - Supplied with locknut & washer



Liquid Tight Flex Cable Gland Fittings (PG Hubs)

Cat. No.	Thread Entry	Cable Dia. Range				Thread O.D. (C1)		Thread Length (C2)		Mounting Hole dia.		Max. Overall Length	
		Min. (in)	Max. (in)	Min. (mm)	Max. (mm)	in.	mm	in.	mm	in.	mm	in.	mm
LTG11-FLEX	PG11	0.24	0.39	6	10	0.73	18.6	0.35	9	0.75	19	3.58	91
LTG135-FLEX	PG13.5	0.28	0.45	7	11.5	0.80	20.4	0.38	9.6	0.83	21	3.94	100
LTG16-FLEX	PG16	0.31	0.51	8	13	0.89	22.5	0.39	10	0.91	23	4.25	108
LTG21-FLEX	PG21	0.39	0.61	10	15.6	1.11	28.3	0.47	12	1.14	29	4.61	117

Technical Reference



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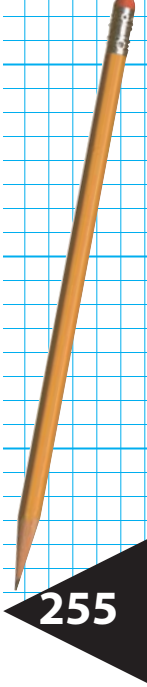
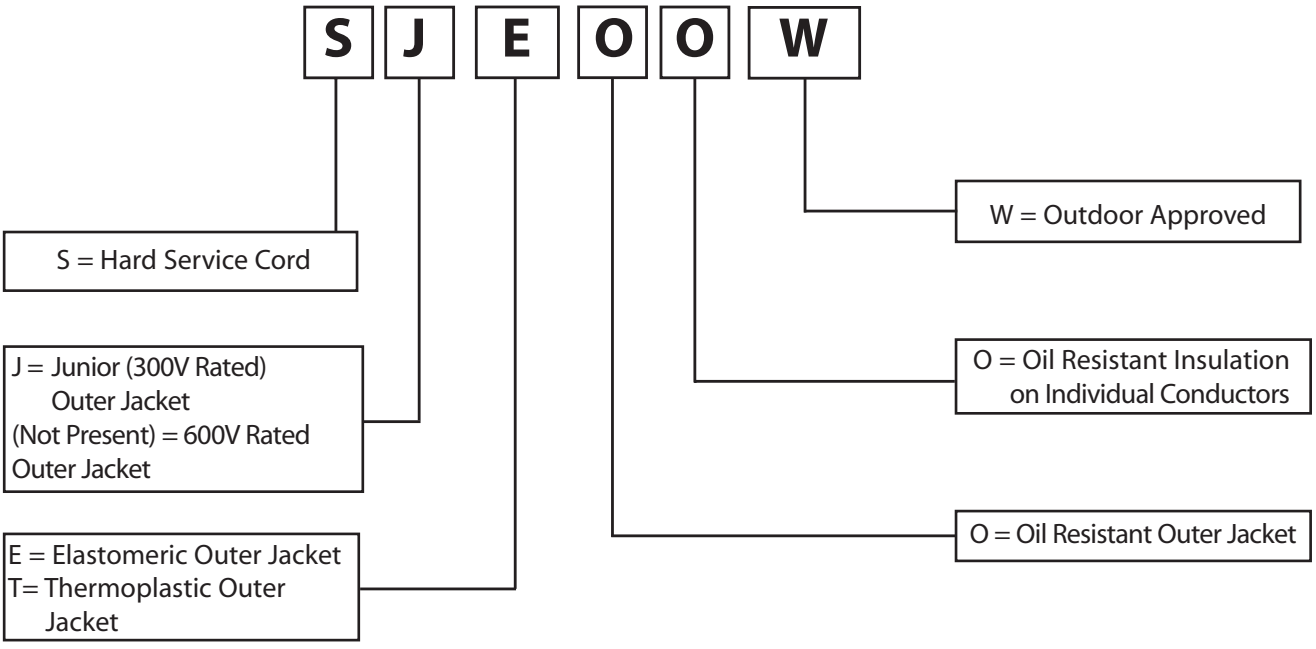


The following pages contain important technical reference material that provides additional detail on the products and terms used in this catalog. In the following pages you will find:

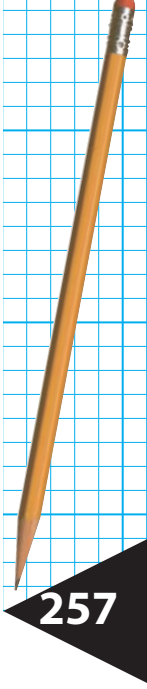
- Recognized cable diameters for different types of electrical cable according to Underwriters Laboratory
- Elements of the NEMA Type and IP rating systems
- Lamp comparison chart
- Metric conversion charts and formulas
- Information on Hazardous Locations as defined by the NFPA/UL
- Glossary of terms

Portable Electrical Cord Nomenclature



Diameter Ranges of Portable Electrical Cord In Accordance with UL 62

Type	AWG Size	2 Conductors	3 Conductors	4 Conductors
SJ,SJE, SJOO, SJO, SJEO, SJT, SJTO, SJTOO	18	0.280-0.315	0.300-0.335	0.325-0.365
	16	0.305-0.340	0.325-0.360	0.350-0.395
	14	0.335-0.375	0.360-0.395	0.390-0.435
	12	0.405-0.455	0.425-0.475	0.465-0.520
	10	0.540-0.605	0.565-0.635	0.625-0.700
S, SE, SOO, SO, SEO, ST, STOO, STO	18	0.340-0.385	0.360-0.400	0.385-0.430
	16	0.365-0.410	0.385-0.430	0.410-0.460
	14	0.495-0.550	0.520-0.575	0.560-0.620
	12	0.565-0.625	0.590-0.655	0.640-0.710
	10	0.615-0.685	0.650-0.720	0.700-0.775
	8	0.780-0.880	0.830-0.930	0.925-1.050
	6	0.920-1.050	0.970-1.100	1.050-1.200
	4	1.060-1.210	1.130-1.280	1.250-1.450
	2	1.210-1.400	1.300-1.500	1.450-1.650



Lamp Comparison Chart

This Chart shows typical light output (lumens) & expected life (hour) of commonly used incandescent & fluorescent bulbs.

Wattage	Type	Volts	Lumens	Average Life (hours)
60 watt	Incandescent	120V	865	1000
75 watt	Incandescent	120V	1190	750
100 watt	Incandescent	120V	1710	750
13 watt	Fluorescent	120V	900	10,000
15 watt	Fluorescent	120V	900	7,500
26 watt	Fluorescent	120V	1700	10,000
30 watt	Fluorescent	120V	1980	7,500
40 watt	Fluorescent	120V	2200	20,000
70 watt	High Pressure Sodium	120v	5450	24,000
70 watt	Metal Halide	120v	3000	12,000

Environmental ratings for enclosures based on "NEMA" Type designations

"NEMA" Types

Enclosure Type Designation	Intended Use and Description
1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
2	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt and water.
3	Outdoor use primarily to provide a degree of protection against rain, sleet, wind blown dust and damage from external ice formation.
3R	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
3S	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and to provide for operation of external mechanisms when ice laden.
4	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.
4X	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
5	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
6	Indoor or outdoor use primarily to provide a degree of protection again hose-directed water, and the entry of water during occasional temporary submersion at a limited depth and damage from external ice formation.
6P	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth and damage from external ice formation.
7	Indoor use in locations classified as Class I, Division 1, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (Commonly referred to as explosion-proof).
8	Indoor or outdoor use in locations classified as Class I, Division 2, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as oil immersed).
9	Indoor use in locations classified as Class II, Division 1, Groups E, F and G hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as dust-ignition proof).
10	Intended to meet the applicable requirements of the Mine Safety and Health Administration (MSHA).
12 and 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
13	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolant.

a.) ANSI/UL50, Enclosures for Electrical Equipment for Types 1, 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 12, 12K and 13.

b.) ANSI/UL698, Industrial Control Equipment for Use in Hazardous (Classified) Locations and other related standards for Types 7, 8 and 9.

c.) ANSI/NEMA250, Enclosures for Electrical Equipment (1000 Volts Maximum) for Types 1, 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 7, 8, 9,12, 12K and 13.

Comparison of "NEMA" Type and "IP" Code designations
Conversion of "NEMA" Type to "IP" Code designations*

Type Number	IP Designation
1	IP10
2	IP11
3	IP54
3R	IP14
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

*Table cannot be used to convert "IP" Codes to "NEMA" Types. See NEMA 250 for additional details.

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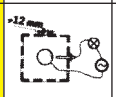
TABLE 1 - CHARACTERISTICS DEFINED BY THE CEI 70-1 - IEC 529 - IEC 144 - UTE C 20-010 - DIN 40050 STANDARDS

			Second Digit - Protection against the penetration of liquids								
			IP_0	IP_1	IP_2	IP_3	IP_4	IP_5	IP_6	IP_7	IP_8
			Non protected	Protection against vertical falling of water drops	Protection against falling of water drops at an angle up to 15° from the vertical	Protection against spraying water (rain) at an angle up to 60° from the vertical	Protection against splashing water from any direction (360°)	Protection against water jets from any direction (360°)	Protection against heavy seas (waves)	Protection against effects of immersion in water under defined conditions of pressure and time	Protection against continuous submersion in water
First Digit - Protection against persons - touching and ingress of solid foreign objects											
IP 0_		Without protection	IP 00								
IP 1_		Protection against touching with the hand and solid objects greater than 50mm dia.	IP 10	IP 11	IP 12						
IP 2_		Protection against touching with the finger and solid objects greater than 12mm dia.	IP 20	IP 21	IP 22	IP 23					
IP 3_		Protection against touching with tools, wires, etc. more than 2.5mm thick and solid objects greater than 2.5mm dia.	IP 30	IP 31	IP 32	IP 33	IP 34				
IP 4_		Protection against touching with tools, wires, etc. more than 1mm thick and solid objects greater than 1mm dia.	IP 40	IP 41	IP 42	IP 43	IP 44				
IP 5_		Unlimited protection against contact with live parts and damaging deposits of dust	IP 50				IP 54	IP 55			
IP 6_		Unlimited protection against contact with live parts and any penetration of dust	IP 60					IP 65	IP 66	IP 67	IP 68

In some countries a third digit (for mechanical security) is added.

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Class I Hazardous Locations

Flammable Gases, Vapor or Liquids

Class I Area Classifications

Division 1:
Where ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions.

Division 2:
Where ignitable concentrations of flammable gases, vapors or liquids are not likely under normal operating conditions.

Zone 0:
Where ignitable concentrations of flammable gases, vapors or liquids are present continuously or for long periods of time under normal operating conditions.

Zone 1:
Where ignitable concentrations of flammable gases, vapors or liquids are likely to exist under normal operating conditions.

Zone 2:
Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions.

Class I Groups

Division 1 and 2
A (acetylene)
B (hydrogen)
C (ethylene)
D (propane)

Zone 0, 1 and 2
IIC (acetylene & hydrogen)
IIB (ethylene)
IIA (propane)

Class I Temperature Codes

Division 1 and 2
T1 (≤ 450°C)
T2 (≤ 300°C)
T2A, T2B, T2C, T2D
(≤ 280°C, ≤ 260°C, ≤ 230°C, ≤ 215°C)
T3 (≤ 200°C)
T3A, T3B, T3C
(≤ 180°C, ≤ 165°C, ≤ 160°C)
T4 (≤ 135°C)
T4A (≤ 120°C)
T5 (≤ 100°C)
T6 (≤ 85°C)

Zone 0,1 and 2
T1 (≤ 450°C)
T2 (≤ 300°C)

T3 (≤ 200°C)

T4 (≤ 135°C)

T5 (≤ 100°C)
T6 (≤ 85°C)

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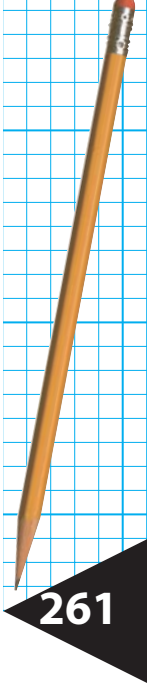

Class II Hazardous Locations

Combustible Dusts

Class II Area Classifications

Division 1:
Where ignitable concentrations of combustible dusts can exist all of the time or some of the time under normal operating conditions.

Division 2:
Where ignitable concentrations of combustible dusts are not likely to exist under normal operating conditions.

Class I Groups

Division 1 and 2
E (metals--- Div. 1 only)
F (coal)
G (grain)

Class I Temperature Codes

Division 1 and 2
T1 (≤ 450°C)
T2 (≤ 300°C)
T2A, T2B, T2C, T2D
(≤ 280°C, ≤ 260°C, ≤ 230°C, ≤ 215°C)
T3 (≤ 200°C)
T3A, T3B, T3C
(≤ 180°C, ≤ 165°C, ≤ 160°C)
T4 (≤ 135°C)
T4A (≤ 120°C)
T5 (≤ 100°C)
T6 (≤ 85°C)

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Class III Hazardous Locations

Ignitable Fibers & Flyings
Class III Area Classifications

Division 1:
Where easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

Division 2:
Where easily ignitable fibers are stored or handled.

Class III Temperature Codes

Division 1 and 2
None

Note: Article 503 of the NEC limits the maximum temperature for Class III equipment to 165°C for equipment not subject to overloading and to 120°C for equipment that maybe overloaded.

Class III Groups

Division 1 and 2
None

Hazardous Locations Markings

Class I, II & III Division 1 & 2 (U.S. & Canada) - This marking would include:
Class(es), Division(s), Gas/Dust Group(s), Temperature Code
Example: Class I, Division I, Group C & D, T4A

Class I, Zone 0, 1 & 2 (U.S. & Canada) - This marking would include:
Method A: For Zone Listings based on UL 2279 or the CSA-E79 Series
Class, Zone(s), Ex, Protection Method(s), Gas Group, Temperature Code
Example: Class I, Zone 1, Ex de IIB, T4

Method B: For Zone Listings based on UL or CSA Division Certification Documents
Class, Zone(s), Gas Group, Temperature Code
Example: Class I, Zone 1, Group IIB, T4

Note: For U.S. Zone Listings based on UL 2279, Article 505 of the 1999 NEC requires that the "Ex" element of the marking string shall read "AEx."

Note: For Canadian Zone listings based on the CSA-E79 Series, the "Class" and "Zone" elements of the marking string are optional.

Zone 0, 1 & 2 (IEC only) - This marking would include;
EEx, Protection Method(s), Gas Group, Temperature Code
Example: Ex de IIB T4

Zone 0, 1 & 2 (Europe only) - This marking would include:
EEx, Protection Method(s), Gas Group, Temperature Code
Example: EEx de IIB T4

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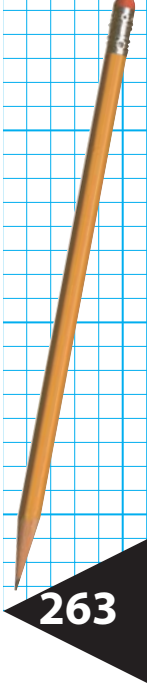

Temperature Conversion Chart

1. Locate known temperature in °C/°F column
2. Read converted temperature in °C or °F column

Example: To convert 75 F to Celsius…
Locate 75 in °C/°F column
Read converted temperature in C Column, 23.9 C

°C	°C/°F	°F	°C	°C/°F	°F	°C	°C/°F	°F
-40.0	-40	-40	40.6	105	221	123.9	255	491
-37.2	-35	-31	43.3	110	230	126.7	260	500
-34.4	-30	-22	46.1	115	239	129.4	265	509
-31.7	-25	-13	48.9	120	248	132.2	270	518
-28.9	-20	-4	51.7	125	257	135.0	275	527
-26.1	-15	5	54.4	130	266	137.8	280	536
-23.3	-10	14	57.2	135	275	140.6	285	545
-20.6	-5	23	60.0	140	284	143.3	290	554
-17.8	0	32	62.8	145	293	146.1	295	563
-15.0	5	41	65.6	150	302	148.9	300	572
-12.2	10	50	68.3	155	311	151.7	305	581
-9.4	15	59	71.1	160	320	154.4	310	590
-6.7	20	68	76.7	170	338	157.2	315	599
-3.9	25	77	79.4	175	347	160.0	320	608
-1.1	30	86	82.2	180	356	162.8	325	617
1.7	35	95	85.0	185	365	165.6	330	626
4.4	40	104	87.8	190	374	168.3	335	635
7.2	45	113	90.6	195	383	171.1	340	644
10.0	50	122	93.3	200	392	173.9	345	653
12.8	55	131	96.1	205	401	176.7	350	662
15.6	60	140	98.9	210	410	179.4	355	671
18.3	65	149	101.7	215	419	182.2	360	680
21.1	70	158	104.4	220	428	185.0	365	689
23.9	75	167	107.2	225	437	187.8	370	698
26.7	80	176	110.0	230	446	190.6	375	707
29.4	85	185	112.8	235	455	193.3	380	716
32.2	90	194	115.6	240	464	196.1	385	725
35.0	95	203	118.3	245	473	198.9	390	734
37.8	100	212	121.1	250	482	201.7	395	743

Temperature Conversion Formulas

°F = (9/5 x °C) + 32
°C = 5/9 (°F - 32)

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Metric Conversion Chart

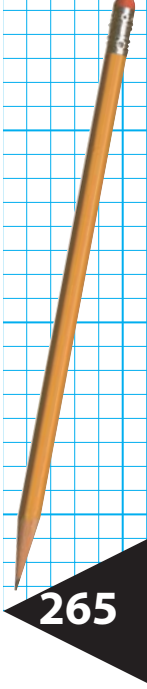
(Fraction Inch to Decimal Inch and Millimeters)

Fraction (In.)	Three Place Decimal (In.)	Three Place Decimal (mm)
1/64	0.016	0.397
1/32	.031	.794
3/64	.047	1.191
1/16	.062	1.588
5/64	.078	1.934
3/32	.094	2.381
7/64	.100	2.778
1/8	.125	3.175
9/64	.141	3.572
5/32	.156	3.969
11/64	.172	4.366
3/16	.188	4.763
13/64	.203	5.159
7/32	.219	5.556
15/64	.234	5.953
1/4	.250	6.350
17/64	.266	6.747
9/32	.281	7.144
19/64	.297	7.541
5/16	.312	7.938
21/64	.328	8.334
11/32	.344	8.731
23/64	.359	9.128
3/8	.375	9.525
25/64	.391	9.922
13/32	.406	10.319
27/64	.422	10.716
7/16	.438	11.113
29/64	.453	11.509
15/32	.469	11.906
31/64	.484	12.303
1/2	.500	12.700

Fraction (In.)	Three Place Decimal (In.)	Three Place Decimal (mm)
33/64	.516	13.097
17/32	.531	13.494
35/64	.547	13.891
9/16	.562	14.288
37/64	.578	14.684
19/32	.594	15.081
39/64	.609	15.478
5/8	.625	15.875
41/64	.641	16.272
21/32	.656	16.669
43/64	.672	17.066
11/16	.688	17.463
45/64	.703	17.859
23/32	.719	18.256
47/64	.734	18.653
3/4	.750	19.050
49/64	.766	19.447
25/32	.781	19.844
51/64	.797	20.241
13/16	.812	20.638
53/64	.828	21.034
27/32	.844	21.431
55/64	.859	21.828
7/8	.875	22.225
57/64	.891	22.622
29/32	.906	23.019
59/64	.922	23.416
15/16	.938	23.813
61/64	..953	24.209
31/32	.969	24.606
63/64	.984	25.003
1	1.000	25.400

Metric Conversion Formulas

To Obtain	Multiply
Millimeters	Inches x 25.4
Inches	Millimeters x 0.0394
Meter	Feet x .3048
Feet	Meters x 3.281
Square Centimeters	Square Inches x 6.45
Square Inches	Square Centimeters x 0.155
Kilograms	Pounds x 0.4536
Pounds	Killograms x 2.205



OHMS Law

Ohms = $\frac{\text{Volts}}{\text{Amperes}}$ ***Amperes*** = $\frac{\text{Volts}}{\text{Ohms}}$ ***Volts*** = Amperes x Ohms

Power

Watts = Amperes x Volts

Amperes = $\frac{\text{Watts}}{\text{Volts}}$

HP = $\frac{\text{Volts x Amps x Efficiency}}{746}$

Power Factor = $\frac{\text{Watts}}{\text{Amperes x Volts}}$

3-phase Kilowatts = $\frac{\text{Volts x Amperes x Power Factor x 1.732}}{746}$

3-phase Amperes = $\frac{\text{746 x HP (Horsepower)}}{\text{1.732 x Volts x Efficiency x Power Factor}}$

3-phase Volt-Amperes = Volts x Amperes x 1.732

Single-phase Kilowatts = $\frac{\text{Volts x Amperes x Power Factor}}{1000}$

Single-phase Amperes = $\frac{\text{746 x HP (Horsepower)}}{\text{Volts x Efficiency x Power Factor}}$

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Technical Reference

Glossary of Terms

AC (Alternating Current) - An electrical current that reverses direction in a circuit at regular intervals, such as normal household current.

Adapter - Device that adapts one form or size of connection to another.

ALCI - Appliance Leakage Current Interrupter. An ALCI is a device intended to be used in conjunction with an electrical appliance whose function is to interrupt both conductors of the electric circuit to a load when a fault current to ground exceeds 4-6 mA and is less than that required to operate the overcurrent protection device of the circuit. The ALCI is intended to be used only in a circuit that has a solidly grounded neutral conductor, and is required. ALCIs are considered "personal protection" devices and contain the following features: a) Can function either line polarity, and b) Other features may or may not be provided.

Ambient Temperature - The temperature of a medium (gas or liquid) surrounding an object.

Ampacity - The current in amperes that a conductor can carry continuously under the conditions of use without exceeding its temperature rating.

Ampere - The unit of current. One ampere is the current flowing through one ohm of resistance at one volt potential.

Attachment Plug - Male contact device for the readily detachable connection of a flexible cord or cable to receptacles, connectors, flanged equipment power outlets, etc.

Auto Reset - GFCI that powers-up automatically upon plug-in and after power loss. User must press the reset button in the event of a ground fault to restore power.

AWG - American Wire Gauge. A relative system for the designation of wire diameter.

Braid - A fibrous or metallic group of filaments interwoven in cylindrical form to form a covering over one or more wires. Typically used to add mechanical strength & abrasion resistance to flexible cord.

Circuit (Electric) - The complete path of an electrical current. When the continuity is broken, it is called an open circuit; when continuity is maintained, it is called a closed circuit.

Collector Ring - A collector ring is an assembly of slip rings for transferring electrical energy from a stationary to a rotating member.

Conductor - An uninsulated wire suitable for carrying electrical current.

Confined Space [1] **-** OSHA defines a confined space as an area that: (1) is large enough and so configured that an employee can bodily enter and perform assigned work; and (2) has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry); and (3) is not designed for continuous employee occupancy [1].

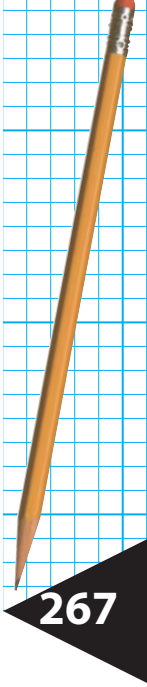
Contacts - The parts of the connector that actually carry the electrical current, and are touched together or separated to control the flow.

Continuity Check - A test to determine whether electrical current flows continuously throughout the length of a single wire or individual wires in a cable.

Cord - A flexible insulated cable.

Cord Connector - Female contact device used in making a detachable connection to an attachment plug or a flanged equipment power inlet.

1. Source OSHA web site www.osha.gov



Cord Grip - Means by which the flexible cord entering a device is gripped in order to relieve stress on the terminals from tension applied to the cord.

CSA - Canadian Standards Association. This is a nonprofit, independent organization that operates a listing service for electronic materials and equipment the Canadian counterpart of the Underwriters Laboratories.

Current Carrying Capacity - The maximum current an insulated conductor can safely carry without exceeding its insulation and jacket temperature limitations.

DC (Direct Current) - An electric current that flows only in one direction through a circuit, such as battery power.

Damp location - Partially protected locations under canopies, marquees, roofed open porches, and like locations, and interior locations subject to moderate degrees of moisture, such as some basements.

Dead Front - Without live parts exposed to a person on the operating side of the equipment.

Dielectric Strength - The voltage that an insulation can withstand before breakdown occurs. Usually expressed as a voltage gradient (such as volts per mil).

Dry Location - A location not normally subject to dampness or wetness. A location classified as dry may be temporarily subject to dampness or wetness, as in the case of a building under construction.

Dustproof - So constructed or protected that dust will not interfere with its successful operation.

EMI - Abbreviation for electromagnetic interference.

Elastomer - Macromolecular material that at room temperature returns rapidly to approximately it's initial dimensions and shape after substantial deformation by a weak stress and release of that stress.

ELCI - Equipment Leakage Current Interrupter. The ELCI is a device intended to provide leakage current protection in appliances and utilization equipment whose function is to interrupt all ungrounded conductors of the supply circuit to electrical equipment in the event a current, in excess of the trip current, occurs between live parts and the grounded enclosure of other grounded parts. An ELCI is not intended to be used in place of a GFCI, ALCI, or IDCI and may have any trip current value greater that **6 mA.** The use of an ELCI is not intended to replace or supersede the overcurrent protection requirements concerning trip current and time. ELCIs are considered "equipment protection" devices, not personal protection devices.

Flame Resistance - The ability of a material not to propagate flame once the heat source is removed.

Gauge - A term used to denote the physical size of a wire.

GFCI - Ground Fault Circuit Interrupter, also known as a GFI. A device intended for the protection of personnel as well as equipment. It de-energizes a circuit within an established period of time (25 ms) when a current to ground exceeds some predetermined value (4-6 mA, for a Class A GFCI) that is less than that required to operate the overcurrent protective device of the supply circuit.

GFCI - (Class A) - Denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 mA or more.

Ground - An electrical term meaning to connect to the earth or other large conducting body to serve as an earth, thus making a complete electrical circuit.

Ground Fault - An unintentional electrical path between a part operating normally at some potential to ground, and ground.

Grounded Neutral - GFCI will automatically trip if the neutral conductor is grounded on the load side of the device (after sensor). If the load side neutral is shorted to ground and also a ground fault occurred simultaneously, some of the fault current would flow through the neutral wire to the sensor and some would flow through the inadvertent ground path. If such a ground connection occurred, it would be possible for a person to contact a hot wire and ground, having the ground fault current flow through the inadvertent neutral ground and the neutral to the service entrance. Under this condition, there may not be enough imbalance in current through the sensor to cause the GFCI to trip.

Guab Box (Conduit Outlet Box) - An Aluminum Explosion-proof & dust-ignition proof suitable for Class 1-Div 1, Groups C & D and Class II - Groups F & G as defined in Article 500 of the National Electrical Code. (integral threaded hubs, O-Rings, and threaded cover).

Hospital Grade - A device constructed to meet performance requirements of high abuse areas found in hospital locations, tested to "Hospital Grade" requirements of Underwriters' Laboratories Standard UL 498.

HPN - Parallel Heater Cord. Typically Neoprene-insulated two conductor.

Incandescent - Lampholders of the threaded screw shell types for use with standard sizes of incandescent bulbs.

Manual Reset - GFCI that requires the user to press the reset button upon plug-in, after power loss to prevent accidental equipment start-up and in the event of a ground fault to restore power.

Motor - Circuit Switch - A switch, rated in horsepower, capable of interrupting the maximum operating overload current of a motor of the same horsepower rating as the switch at the rated voltage.

NEMA - National Electrical Manufacturers Association.

NEMA 4X - An enclosure rating indicating that the product is intended for indoor or outdoor used primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.

NFPA - National Fire Protection Association.

Nuisance Trip - Tripping caused by conditions other than those for which the device is intended to respond.

Open Neutral Protection - GFCI will automatically trip when the neutral connection is lost. When the neutral connection is open, this creates an unsafe condition where the available current has lost its normal flow path, thus increasing the potential for the current to flow elsewhere.

OSHA - Occupational Safety and Health Act. Specifically the Williams-Steiger Law passed in 1970 covering all factors relating to safety in places of employment.

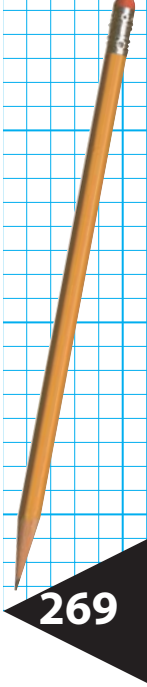
Overcurrent - Any current in excess of the rated current of equipment or the ampacity of a conductor. It may result from overload (see definition), short circuit, or ground fault. A current in excess of rating may be accommodated by certain equipment and conductors for a given set of conditions. Hence the rules for overcurrent protection are specific for particular situations.

Overload - Operation of equipment in excess of normal, full load rating, or of a conductor in excess of rated ampacity which, when it persists for a sufficient length of time, would cause damage or dangerous overheating. A fault, such as a short circuit or ground fault, is not an overload (See "Overcurrent").

Primary - The line (Power source) side of a device.

PVC - Polyvinyl Chloride. Compound used in thermoplastic (SJTW-A STW-A) cords.

Rated Voltage - The maximum voltage at which an electrical component can operate for extended periods without undue degradation or safety hazard.



RFI - Abbreviation for radio frequency interference.

Reverse Polarity - Condition where the Hot and Neutral connections are switched.

Secondary - The load (equipment) side of a device.

SEOW-A - Extra Hard Service cord. 600v, oil resistant thermoplastic elastomer outer jacket. Weather resistant for outdoor use.

SJEOW-A - Hard Service cord. 300v, oil resistant thermoplastic elastomerouter jacket. Weather resistant for outdoor use.

SJTW-A - Hard Service cord. 300v thermoplastic outer jacket. Weather resistant for outdoor use.

SPT-1 - Thermoplastic constructed, parallel jacketed. 300 volt 2 or 3 conductor, 18 gauge.

SPT-2 - Same as SPT-1 but heavier construction. 18-16 gauge.

SPT-3 - Same as SPT-2 but heavier construction. 18-10 gauge.

STW-A - Extra Hard Service cord. 600v thermoplastic outer jacket. Weather resistant for outdoor use.

SVT - Vacuum cleaner service cord. All plastic construction, 2 or 3 conductors.

Thermoplastic - A material that softens when heated and becomes firm on cooling.

Thermoset - A material that hardens or sets when heat is applied and that, once set, cannot be resoftened by heating. The application of heat is called "curing".

TPE - Abbreviation for thermoplastic elastomer. A compound used in Portable/flexible cords (SEOW-A, SJEOW-A).

Trip - Denotes automatic interruption by the GFCI of the electrical circuit to load.

Trip Time - The elapsed interval between the time when the ground fault current is first applied and the time when the circuit is interrupted.

UL - Abbreviation for Underwriters Laboratories, a non-profit independent organization that operates a listing service for electrical and electrical and electronic materials and equipment.

UL Listed - Indicates an item has been tested and approved to the safety standards established by Underwriters' Laboratories.

UL Recognized - Refers to products that have been tested and approved to the safety standards established by Underwriters' Laboratories & are typically used as components of a final assembly.

VRMS - Voltage (root mean square).

Voltage - The term most often used in place of electromotive force, potential, potential difference, or voltage drop to designate the electrical pressure that exists between two points and is capable of producing a current when a closed circuit is connected between two points.

W-A - UL designation for outdoor-approved flexible cord.

Weatherproof - So constructed or protected that exposure to the weather will not interfere with successful operation. Rainproof, raintight, or watertight equipment can fulfill the requirements for weatherproof where varying weather conditions other than wetness, such as snow, ice dust, or temperature extremes, are not a factor.

Wet location - Installations underground or in concrete slabs or masonry in direct contact with the earth, and locations subject to saturation with water or other liquids, such as locations exposed to weather and unprotected.

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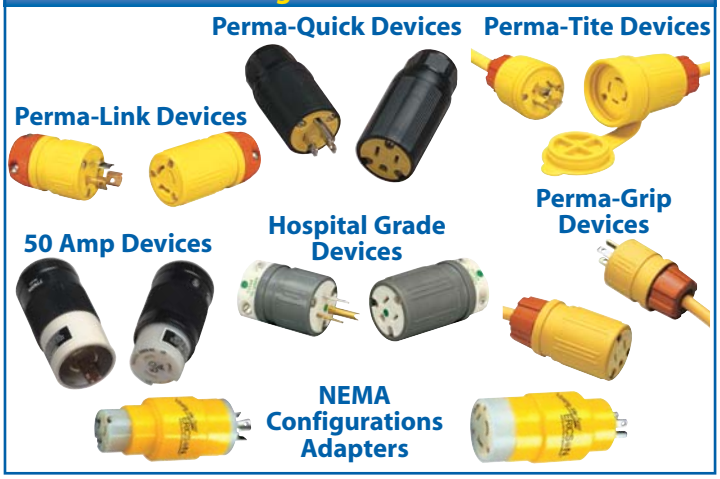

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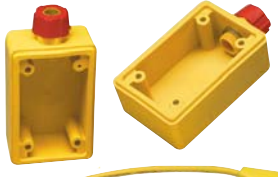
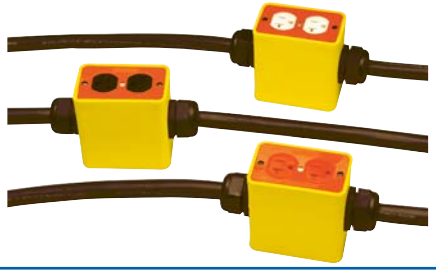
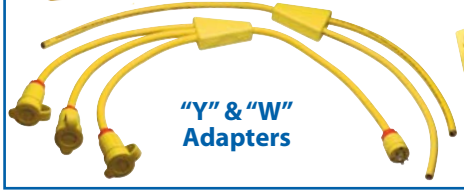


Tri-Tap Multiple Outlet Boxes

3-Phase Alternate Wired Stringers



"Y" & "W" Adapters



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UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
55166	**BB1001W**	196	Back Box Ang20 100A Rcpt 1-1/2" Hub	**105.93**	ea	2	C		1	1	N
55168	**BB1002W**	196	Back Box Ang20 100A Rcpt 2" Hub	**105.93**	ea	2	C		1	1	N
55170	**BB201W**	196	Back Box Ang20 30A/20A-4W/5W Rcpt 3/4" Hub	**37.36**	ea	2	C		1	1	N
55172	**BB301W**	196	Back Box Ang20 30A/20A-4W/5W Rcpt 1" Hub	**37.36**	ea	2	C		1	1	N
55174	**BB601W**	196	Back Box Ang20 60A Rcpt 1-1/4" Hub	**51.98**	ea	2	C		1	1	N
55177	**BB602W**	196	Back Box Ang20 60A Rcpt 1-1/2" Hub	**51.98**	ea	2	C		1	1	N
55980	**CS6360-C**	93	2P3W CS Conn. 50 Amp-125V NON-NEMA	**52.50**	ea	2	C	0.6	10	1	
55981	**CS6361-P**	93	2P3W CS Plug, 50 Amp-125V NON-NEMA	**41.00**	ea	2	C	0.6	10	1	S
55995	**CS6364-C**	93	3P4W Conn. 50 Amp-125V/250V NON-NEMA	**55.57**	ea	2	C	0.6	10	1	S
55996	**CS6365-P**	93	3P4W Plug 50 Amp-125V/250V NON-NEMA	**42.86**	ea	2	C	0.6	10	1	S
82246	**CS6369**	93	Recept, 3P4W, 50A-125/250V, NON-NEMA	**59.93**	ea	2	C		1	1	S
82243	**CS6370**	93	Recept, 2P3W, 50A-125V, NON-NEMA	**54.29**	ea	2	C		1	1	
56020	**CS6375**	93	3P4W Male Base CS Receptacle 50A-125/250V	**42.71**	ea	2	C	1	10	1	S
56021	**CS6377**	93	2P3W Male Base CS Receptacle 50A-125V	**41.29**	ea	2	C	1	10	1	
55987	**CS8164-C**	93	3P4W Conn. 50 Amp-480V 3-Phase NON-NEMA	**55.57**	ea	2	C	0.6	10	1	S
55988	**CS8165-P**	93	3P4W Plug, 50 Amp-480V 3-Phase NON-NEMA	**42.86**	ea	2	C	0.6	10	1	S
82248	**CS8169**	93	Recept, 3P4W, 50A-480V, 3-phs NON-NEMA	**59.93**	ea	2	C		1	1	
56022	**CS8175**	93	3P4W Male Base CS Receptacle 50A-480V 3 phs	**42.71**	ea	2	C	1	10	1	S
55985	**CS8264-C**	93	2P3W CS Conn. 50 Amp-250V NON-NEMA	**52.50**	ea	2	C	0.6	10	1	S
55986	**CS8265-P**	93	2P3W CS Plug, 50 Amp-250V NON-NEMA	**41.00**	ea	2	C	0.6	10	1	S
82244	**CS8269**	93	Recept, 2P3W, 50A-250V, NON-NEMA	**59.93**	ea	2	C		1	1	S
56023	**CS8275**	93	2P3W Male Base CS Receptacle 50A-250V	**41.29**	ea	2	C	1	10	1	
55982	**CS8364-C**	93	3P4W Conn. 50 Amp-250V 3-Phase, NON-NEMA	**55.57**	ea	2	C	0.6	10	1	S
55983	**CS8365-P**	93	3P4W Plug, 50 Amp-250V 3-Phase NON-NEMA	**42.86**	ea	2	C	0.6	10	1	S
82247	**CS8369**	93	Recept, 3P4W, 50A-250V, 3-phs NON-NEMA	**59.93**	ea	2	C		1	1	
56024	**CS8375**	93	3P4W Male Base CS Receptacle 50A-250V, 3 phs	**42.71**	ea	2	C	1	10	1	S
56005	**CS8464-C**	93	2P3W CS Conn. 50-Amp-480V NON-NEMA	**52.50**	ea	2	C	0.6	10	1	S
56006	**CS8465-P**	93	2P3W CS Plug, 50 Amp-480V NON-NEMA	**41.00**	ea	2	C	0.6	10	1	S
82245	**CS8469**	93	Recept, 2P3W, 50A-480V, NON-NEMA	**61.07**	ea	2	C		1	1	
56025	**CS8475**	93	2P3W Male Base CS Receptacle, 50A-480V	**41.29**	ea	2	C	1	10	1	
49455	**FL12VDC-25**	49	12VDC, 30watt floodlight, 25' cord w/ cig litr plug	**68.29**	ea	2	B		1	1	N, S
49456	**FL12VDC-50**	49	12VDC, 30watt floodlight, 50' cord w/ cig litr plug	**75.00**	ea	2	B		1	1	N, S
54471	**HS12**	235	Hose stop for 1/2" dia hose	**32.86**	ea	2	C	0.5	1	1	N
54476	**HS14**	235	Hose stop for 1/4" dia hose	**32.86**	ea	2	C	0.5	1	1	N
54465	**HS38**	235	Hose stop for 3/8" dia hose	**32.86**	ea	2	C	0.5	1	1	N
84652	**LTG11**	250	Cbl Glnd, BLK, LT, Str, PG11, .236"- .413" cable	**1.80**	ea	8	C		10	1	N
84636	**LTG11-FLEX**	251	Cbl Glnd, BLK, LT, FLEX, PG11, .236"- .394" cable	**3.55**	ea	8	C		10	1	N
84644	**LTG12**	250	Cbl Glnd, BLK, LT, Str, 1/2" NPT, .354"- .551" cable	**2.25**	ea	8	C		10	1	N
84653	**LTG135**	250	Cbl Glnd, BLK, LT, Str, PG13.5, .295"- .492" cable	**1.95**	ea	8	C		10	1	N
84637	**LTG135-FLEX**	251	Cbl Glnd, BLK, LT, FLEX, PG13.5, .276"- .453" cable	**3.91**	ea	8	C		10	1	N
84654	**LTG16**	250	Cbl Glnd, BLK, LT, Str, PG16, .335"- .551" cable	**2.15**	ea	8	C		10	1	N
84626	**LTG16-90**	251	Cbl Glnd, BLK, LT, 90d, PG16, .236"- .413" cable	**3.73**	ea	8	C		10	1	N
84627	**LTG16A-90**	251	Cbl Glnd, BLK, LT, 90d, PG16, .315"- .512" cable	**3.73**	ea	8	C		10	1	N
84638	**LTG16-FLEX**	251	Cbl Glnd, BLK, LT, FLEX, PG16, .315"- .512" cable	**4.27**	ea	8	C		10	1	N
84655	**LTG21**	250	Cbl Glnd, BLK, LT, Str, PG21, .492"- .709" cable	**3.38**	ea	8	C		10	1	N
84639	**LTG21-FLEX**	251	Cbl Glnd, BLK, LT, FLEX, PG21, .394"- .614" cable	**5.73**	ea	8	C		10	1	N
84656	**LTG29**	250	Cbl Glnd, BLK, LT, Str, PG29, .709"- .984" cable	**5.53**	ea	8	C		10	1	N
84645	**LTG34**	250	Cbl Glnd, BLK, LT, Str, 3/4" NPT, .512"- .709" cable	**3.62**	ea	8	C		10	1	N
84643	**LTG38**	250	Cbl Glnd, BLK, LT, Str, 3/8" NPT, .236"- .393" cable	**1.80**	ea	8	C		10	1	N
56211	**M**	108, 122	M-ADDER, Intel-A-Lite/GCM Ground Continuity monitor	**36.86**	ea	2	C		10	1	
54458	**PB-45**	232	Pivot base, 345 d, use w/4000 & 5000 series	**82.50**	ea	2	C	7.5	1	1	N
55187	**PC100**	196	Male closure cap for 3W 100A devices	**31.98**	ea	2	C		2	1	N
55190	**PC320**	196	Male closure cap for 3W 20A devices	**23.52**	ea	2	C		5	1	N
55192	**PC3430**	196	Male closure cap for 3W 30A devices	**25.16**	ea	2	C		5	1	N
55179	**PC420**	196	Male closure cap for 4W 20A devices	**23.52**	ea	2	C		5	1	N
55181	**PC520**	196	Male closure cap for 5W 20A devices	**25.27**	ea	2	C		5	1	N
55183	**PC530**	196	Male closure cap for 5W 30A devices	**26.92**	ea	2	C		5	1	N
55194	**PC60**	196	Male closure cap for 5W 60A devices	**30.22**	ea	2	C		2	1	N
54378	**SC-1**	232	Cbl stop for .188" dia to .438" dia.	**32.86**	ea	2	C	0.5	1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54373	**SC-2**	232	SC-1 w/ spring bumper	**35.71**	ea	2	C	1	1	1	N
54383	**SC-3**	232	Cbl stop, flat donut, for .625" dia to .749" dia	**32.86**	ea	2	C	0.5	1	1	N
54349	**SDR-50**	231	Grounding reel, 50' 3/32" dia stl. cbl	**195.43**	ea	2	C	12	1	1	N, S
84683	**SG32**	247	BD Suport grip, .32"-.43" Dia. cbl, Single U-Eye Bale	**6.93**	ea	2	C		5	1	N
84684	**SG43**	247	BD Support grip, .43"-.56" Dia. cbl, Single U-Eye Bale	**7.84**	ea	2	C		5	1	N
84685	**SG56**	247	BD Support grip, .56"-.73" Dia. cbl, Single U-Eye Bale	**10.36**	ea	2	C		5	1	N
84686	**SG73**	247	BD Support grip, .73"-.85" Dia. cbl, Single U-Eye Bale	**10.64**	ea	2	C		5	1	N
49452	**SL12VDC-25**	49	12VDC, 30watt spotlight, 25' cord w/ cig litr plug	**68.29**	ea	2	B		1	1	N, S
49453	**SL12VDC-50**	49	12VDC, 30watt spotlight, 50' cord w/ cig litr plug	**75.00**	ea	2	B		1	1	N, S
49175	**SR50**	141	Power Outlet, weatherproof box, lift cvr, 2' leads	**83.06**	ea	2	B	3	1	1	N
84613	**SRG3212**	248	Str Rlf Grip, SWM, .32"-.43" Dia. cbl, 1/2" NPS, 3-3/4" Long Mesh	**9.64**	ea	2	C		5	1	N
84614	**SRG4312**	248	Str Rlf Grip, SWM, .43"-.54" Dia. cbl, 1/2" NPS, 4-3/4" Long Mesh	**10.79**	ea	2	C		5	1	N
84615	**SRG5434**	248	Str Rlf Grip, SWM, .54"-.73" Dia. cbl, 3/4" NPS, 6-1/2" Long Mesh	**11.79**	ea	2	C		5	1	N
84616	**SRG731**	248	Str Rlf Grip, SWM, .73"-.97" Dia. cbl, 1" NPS, 7" Long Mesh	**13.07**	ea	2	C		5	1	N
84665	**SRGD3712**	249	Str Rlf Grip, Dbl-Sngl Wev, .375"-.500" dia. cbl, 1/2" NPT	**25.64**	ea	2	C		5	1	N
84667	**SRGD3734**	249	Str Rlf Grip, Dbl-Sngl Wev, .375"-.500" dia. cbl, 3/4" NPT	**28.50**	ea	2	C		5	1	N
84670	**SRGD501**	249	Str Rlf Grip, Dbl-Sngl Wev, .500"-.625" dia. cbl, 1" NPT	**38.21**	ea	2	C		5	1	N
84666	**SRGD5012**	249	Str Rlf Grip, Dbl-Sngl Wev, .500"-.625" dia. cbl, 1/2" NPT	**25.64**	ea	2	C		5	1	N
84668	**SRGD5034**	249	Str Rlf Grip, Dbl-Sngl Wev, .500"-.625" dia. cbl, 3/4" NPT	**28.50**	ea	2	C		5	1	N
84669	**SRGD6234**	249	Str Rlf Grip, Dbl-Sngl Wev, .625"-.750" dia. cbl, 3/4" NPT	**32.21**	ea	2	C		5	1	N
59145	**04201**	62	Plastic lattice guard, 1-1/2" neck	**3.57**	ea	2	B	0.2	6	1	N, S
59936	**10/3**	126	250' coil of 10/3 SOW-A	**677.07**		2	C				
59938	**10/4**	126	250' coil of 10/4 SOW-A	**802.11**		2	C				
50501	**1000**	43	70W HPS no recept or GFCI, 6' cord	**285.69**	ea	2	B	8	3	1	S
50502	**1000-25**	43	70W HPS no recept or GFCI, 25' cord	**314.44**	ea	2	B	10	1	1	
50515	**1000-25-MH**	43	70W Metal Halide, 25' #14/3 cord	**388.47**	ea	2	B	13	1	1	
50503	**1000-50**	43	70W HPS no recept or GFCI, 50' cord	**352.31**	ea	2	B	13	1	1	
50516	**1000-50-MH**	43	70W Metal Halide, 50' #14/3 cord	**435.26**	ea	2	B	16	1	1	
50507	**1000-G**	43	70W HPS w/ GFCI, no recept, 6' cord	**416.11**	ea	2	B	9	3	1	
50508	**1000-G25**	43	70W HPS w/ GFCI, no recept, 25' cord	**444.87**	ea	2	B	11	1	1	
50509	**1000-G50**	43	70W HPS w/ GFCI, no recept, 50' cord	**482.74**	ea	2	B	14	1	1	
50514	**1000-MH**	43	70W Metal Halide, 6' #14/3 cord	**360.00**	ea	2	B	11	3	1	S
50504	**1000-R**	43	70W HPS w/ 5-15 recept, 6' cord	**369.84**	ea	2	B	9	3	1	
50505	**1000-R25**	43	70W HPS w/ 5-15 recept, 25' cord	**398.60**	ea	2	B	11	1	1	S
50506	**1000-R50**	43	70W HPS w/ 5-15 recept, 50' cord	**436.47**	ea	2	B	14	1	1	
50510	**1000-RG**	43	70W HPS w/ 5-15 recpt & GFCI, 6' cord	**495.71**	ea	2	B	10	3	1	
50511	**1000-RG25**	43	70W HPS w/ 5-15 recpt & GFCI, 25' cord	**524.47**	ea	2	B	12	1	1	
50512	**1000-RG50**	43	70W HPS w/ 5-15 recpt & GFCI, 50' cord	**562.34**	ea	2	B	15	1	1	S
53902	**100FB**	58	2-D Cell, Focus Beam	**9.62**	ea	5	C	0.26	10	1	
50513	**1010**	43	Replacement Bulb, 70 Watt HPS, ANSI #S62	**52.49**	ea	2	C		1	1	
50517	**1010-MH**	43	Replacement Bulb, 70 Watt Metal Halide	**65.61**	ea	2	C		1	1	
51004	**104**	30	100 watt, closed-end, no reflector	**9.71**	ea	2	B	0.63	30	6	
50994	**104-I**	30	Same as No. 104, with insulation	**19.06**	ea	2	B	0.67	30	6	
51005	**104-R**	30	100 watt, closed-end, w/reflector	**12.00**	ea	2	B	0.7	30	6	S
51006	**104-RI**	30	Same as No. 104-R, w/insulation	**23.40**	ea	2	B	0.83	30	6	
50560	**1060**	138	Port GFCI, (4) 5-15 outlets 6' cord w/ plug	**167.29**	ea	2	B	4	3	1	S
50561	**1061**	138	Port GFCI, (4) L5-15 outlets 6' cord w/ plug	**195.00**	ea	2	B	4	3	1	
50562	**1062**	138	Port GFCI, (4) 5-20 outlets 6' cord w/ plug	**176.43**	ea	2	B	4	3	1	S
49168	**1066**	141	Port 50 Amp, 125/250V Pwr Dbn center	**664.29**	ea	2	B	29	1	1	S
51007	**107**	30	100-150 watt, open-end, no reflector	**11.71**	ea	2	B	0.6	30	6	
50563	**1070**	138	Port GFCI, (3) 5-15 outlets 6' cord w/ plug	**570.00**	ea	2	B	8	1	1	S
50564	**1071**	138	Port GFCI, (3) L5-15 outlets 6' cord w/ plug	**570.00**	ea	2	B	8	1	1	
50565	**1072**	138	Port GFCI, (3) 5-20 outlets 6' cord w/ plug	**570.00**	ea	2	B	8	1	1	
50566	**1073**	138	Port GFCI, (3) L5-20 outlets 6' cord w/ plug	**570.00**	ea	2	B	8	1	1	
50567	**1074**	138	Port GFCI, (1) 5-20, (2) L5-20 outlets 6' cord w/ plug	**570.00**	ea	2	B	8	1	1	
50569	**1075**	140	GFCI Module in dust proof hsg, 120VAC	**41.07**	ea	2	C		5	1	S
51011	**107-I**	30	Same as No. 107, with insulation	**20.56**	ea	2	B	0.63	30	6	
51008	**107-R**	30	100-150 watt, open-end, w/reflector	**14.64**	ea	2	B	0.73	30	6	
51012	**107-RI**	30	Same as No. 107-R, w/insulation	**25.96**	ea	2	B	0.9	30	6	
50628	**1080-14-25S**	135	In-line GFCI 25' #14/3 15A-120V	**69.86**	ea	2	B	2.67	3	1	S

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
50623	**1080-14-25S-MR**	135	In-line GFCI 25' 14/3 w/mld plug & conn, 15A-120V	**69.86**	ea	2	B	2.67	3	1	
50626	**1080-14-2S**	135	In-line GFCI 1' #14/3 15A-120V,60Hz	**42.43**	ea	2	B	0.67	3	1	S
50621	**1080-14-2S-MR**	135	In-line GFCI 1' 14/3 w/mld plug & conn, 15A-120V	**42.43**	ea	2	B	0.67	3	1	
50627	**1080-14-6S**	135	In-line GFCI 6' #14/3 15A-120V	**47.71**	ea	2	B	1	3	1	S
50622	**1080-14-6S-MR**	135	In-line GFCI 6' 14/3 w/mld plug & conn, 15A-120V	**47.71**	ea	2	B	1	3	1	
50631	**1081-12-25PL**	135	In-line GFCI 25' #12/3 w/1512P & 1612C, 15A-120V 15A	**114.21**	ea	2	B	4	3	1	
50620	**1081-12-25PL-MR**	135	In-line GFCI 25' #12/3 w/1512P & 1612C, 15A-120V 15A, man	**114.21**	ea	2	B	4	3	1	
50629	**1081-12-2PL**	135	In-line GFCI 1' #12/3 w/1512P&1612C, 15A-120V	**76.86**	ea	2	B	0.67	3	1	S
50618	**1081-12-2PL-MR**	135	In-line GFCI 1' #12/3 w/1512P&1612C, 15A-120V, man	**76.86**	ea	2	B	0.67	3	1	
50630	**1081-12-6PL**	135	In-line GFCI 6' #12/3 w/1512P & 1612C,15A-120V	**83.50**	ea	2	B	1.67	3	1	
50619	**1081-12-6PL-MR**	135	In-line GFCI 6' #12/3 w/1512P & 1612C,15A-120V, man	**83.50**	ea	2	B	1.67	3	1	
50634	**1081-14-25PL**	135	In-line GFCI 25' #14/3 w/1510P & 1610C, 15A-120V	**99.64**	ea	2	B	2.67	3	1	
50650	**1081-14-25PL-MR**	135	In-line GFCI 25' #14/3 w/1510P & 1610C, 15A-120V, man	**99.64**	ea	2	B	2.67	3	1	
50632	**1081-14-2PL**	135	In-line GFCI 1' #14/3 w/1510P & 1610C, 15A-120V	**71.29**	ea	2	B	0.67	3	1	
50648	**1081-14-2PL-MR**	135	In-line GFCI 1' #14/3 w/1510P & 1610C, 15A-120V, man	**71.29**	ea	2	B	0.67	3	1	
50633	**1081-14-6PL**	135	In-line GFCI 6' #14/3 w/1510P & 1610C, 15A-120V	**76.57**	ea	2	B	1	3	1	
50649	**1081-14-6PL-MR**	135	In-line GFCI 6' #14/3 w/1510P & 1610C, 15A-120V, man	**76.57**	ea	2	B	1	3	1	
50637	**1083-12-25PT**	135	In-line GFCI 25' #12/3 w/1512PW & 1612CW, 20A-120V	**117.00**	ea	2	B	4	3	1	
50656	**1083-12-25PT-MR**	135	In-line GFCI 25' #12/3 w/1512PW & 1612CW, 20A-120V, man	**117.00**	ea	2	B	4	3	1	
50635	**1083-12-2PT**	135	In-line GFCI 1' #12/3 w/1512PW & 1612CW, 20A-120V	**79.64**	ea	2	B	0.67	3	1	S
50654	**1083-12-2PT-MR**	135	In-line GFCI 1' #12/3 w/1512PW & 1612CW, 20A-120V, man	**79.64**	ea	2	B	0.67	3	1	
50636	**1083-12-6PT**	135	In-line GFCI 6' #12/3 w/1512PW & 1612CW, 20A-120V	**86.29**	ea	2	B	1.67	3	1	
50655	**1083-12-6PT-MR**	135	In-line GFCI 6' #12/3 w/1512PW & 1612CW, 20A-120V, man	**86.29**	ea	2	B	1.67	3	1	
50640	**1083-14-25PT**	135	In-line GFCI 25' #14/3 w/1510PW & 1610CW, 15A-120V	**102.43**	ea	2	B	2.67	3	1	
50653	**1083-14-25PT-MR**	135	In-line GFCI 25' #14/3 w/1510PW & 1610CW, 15A-120V, man	**102.43**	ea	2	B	2.67	3	1	
50638	**1083-14-2PT**	135	In-line GFCI 1' #14/3 w/1510PW&1610CW, 15A-120V	**74.07**	ea	2	B	0.67	3	1	S
50651	**1083-14-2PT-MR**	135	In-line GFCI 1' #14/3 w/1510PW&1610CW, 15A-120V, man	**74.07**	ea	2	B	0.67	3	1	
50639	**1083-14-6PT**	135	In-line GFCI 6' #14/3 w/1510PW & 1610CW, 15A-120V	**79.36**	ea	2	B	1	3	1	
50652	**1083-14-6PT-MR**	135	In-line GFCI 6' #14/3 w/1510PW & 1610CW, 15A-120V, man	**79.36**	ea	2	B	1	3	1	
50645	**1084-12-25B**	111	In-line GFCI 25' #12/3 w/1512P & #6000 Box, 20A-120V	**142.14**	ea	2	B		3	1	
51082	**1084-12-25BW**	111	In-line GFCI 25' 12/3 w/1512PW,6100 Box, 20A-120V	**163.93**	ea	2	B		3	1	
50641	**1084-12-2B**	135	In-line GFCI 1' #12/3 w/1512P & #6000 Box, 20A-120V	**116.93**	ea	2	B	3	3	1	S
50657	**1084-12-2B-MR**	135	In-line GFCI 1' 12/3 w/1512P & 6000 Box, 20A-120V, man	**116.93**	ea	2	B	3	3	1	
50642	**1084-12-2BW**	135	In-line GFCI 1' 12/3 w/1512PW,6100 Box, 20A-120V	**143.00**	ea	2	B	3	3	1	S
50658	**1084-12-2BW-MR**	135	In-line GFCI 1' 12/3 w/1512P & 6100 Box, 20A-120V, man	**143.00**	ea	2	B	3	3	1	
50646	**1084-12-50B**	111	In-line GFCI 50' #12/3 w/1512P & #6000 Box, 20A-120V	**167.71**	ea	2	B		3	1	
51083	**1084-12-50BW**	111	In-line GFCI 50' 12/3 w/1512PW,6100 Box, 20A-120V	**190.21**	ea	2	B		3	1	
59100	**1085-12-25TT**	135	In-line GFCI 25' 12/3 w/Tri-Tap, 15A-120V	**73.93**	ea	2	B	1	3	1	S
59142	**1085-12-25TT-MR**	135	In-line GFCI 25' 12/3 w/Tri-Tap, 15A-120V, man	**73.93**	ea	2	B	1	3	1	
50617	**1085-12-2TT**	135	In-line GFCI 1' 12/3 w/Tri-Tap, 15A-120V	**45.43**	ea	2	B	1	3	1	S
59140	**1085-12-2TT-MR**	135	In-line GFCI 1' 12/3 w/Tri-Tap, 15A-120V, man	**45.43**	ea	2	B	1	3	1	
59101	**1085-12-50TT**	135	In-line GFCI 50' 12/3 w/Tri-Tap, 15A-120V	**103.43**	ea	2	B	1	3	1	S
59143	**1085-12-50TT-MR**	135	In-line GFCI 50' 12/3 w/Tri-Tap, 15A-120V, man	**103.43**	ea	2	B	1	3	1	
59099	**1085-12-6TT**	135	In-line GFCI 6' 12/3 w/Tri-Tap, 15A-120V	**51.57**	ea	2	B	1	3	1	
59141	**1085-12-6TT-MR**	135	In-line GFCI 6' 12/3 w/Tri-Tap, 15A-120V, man	**51.57**	ea	2	B	1	3	1	
50520	**1090**	132	GFCI plug, man rst field wire	**37.13**	ea	2	B	0.33	10	1	S
50521	**1091-14-2S**	132	GFCI plug, man rst, 2' 14/3, mld conn	**48.69**	ea	2	B	0.73	5	1	
50522	**1092**	132	GFCI plug, auto rst field wire	**37.13**	ea	2	B	0.33	10	1	S
50523	**1093-14-2S**	132	GFCI plug, auto rst, 2' 14/3, mld conn	**48.69**	ea	2	B	0.73	5	1	
59103	**1094-12-25B**	132	GFCI plug, man rst, 25' 12/3, 6000 box (2) 5-15 recepts	**131.34**	ea	2	B	4.5	3	1	
59106	**1094-12-25BW**	132	GFCI plug, man rst, 25' 12/3, 6100 box (2) 5-15 recepts	**153.21**	ea	2	B	4.75	3	1	
59102	**1094-12-2B**	132	GFCI plug, man rst, 2' 12/3, 6000 box (2) 5-15 recepts	**109.25**	ea	2	B	3	5	1	
59105	**1094-12-2BW**	132	GFCI plug, man rst, 2' 12/3, 6100 box (2) 5-15 recepts	**131.12**	ea	2	B	3.25	5	1	
59104	**1094-12-50B**	132	GFCI plug, man rst, 50' 12/3, 6000 box (2) 5-15 recepts	**155.35**	ea	2	B	7.75	3	1	
59107	**1094-12-50BW**	132	GFCI plug, man rst, 50' 12/3, 6100 box (2) 5-15 recepts	**177.22**	ea	2	B	8	3	1	
59108	**1099**	142	GFCI Tester	**17.71**	ea	2	C	0.12	10	1	S
54053	**1100-P**	41	End Cap w/Cord Grip Bushing-for 1100/1200 series	**21.48**	ea	7	C	1	1	1	
54054	**1100-S**	41	End Cap less Cord Grip Bushing-for 1100/1200 series	**17.44**	ea	7	C	1	1	1	
53903	**110HZ**	58	2-D Cell, Hazardous Duty	**11.00**	ea	5	C	0.33	10	1	
54030	**1115-25**	40	Ovrhd lite, base unit - 15W, 25' primary	**345.39**	ea	2	B	11	1	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard		Symbol N/S
									Ctn.	Pkg.	
Suggested Resale Price Sheet No. 37											
54033	**1115-25F**	40	Ovrhd lite, feed-thru unit - 15W, 25' pri, 6" sec.	**413.51**	ea	2	B	11	1	1	
54034	**1115-2F**	40	Ovrhd lite, feed-thru unit - 15W, 2.5' pri, 6" sec.	**386.83**	ea	2	B	9	1	1	
54050	**1115-TS**	41	15W tubeshield for 1115 series	**35.19**	ea	7	C	2	1	1	
54031	**1130-25**	40	Ovrhd lite, base unit - 30W, 25' primary	**436.86**	ea	2	B	19	1	1	
54035	**1130-25F**	40	Ovrhd lite, feed-thru unit - 30W, 25' pri, 6" sec.	**504.90**	ea	2	B	19	1	1	
54036	**1130-4F**	40	Ovrhd lite, feed-thru unit - 30W, 4' pri, 6" sec.	**480.54**	ea	2	B	18	1	1	
54051	**1130-TS**	41	30W tubeshield for 1130 series	**60.19**	ea	7	C	3	1	1	
54032	**1140-25**	40	Ovrhd lite, base unit - 40W, 25' primary	**478.62**	ea	2	B	23	1	1	
54037	**1140-25F**	40	Ovrhd lite, feed-thru unit - 40W, 25' pri, 6" sec.	**545.71**	ea	2	B	23	1	1	S
54038	**1140-4F**	40	Ovrhd lite, feed-thru unit - 40W, 4' pri, 6" sec.	**521.61**	ea	2	B	22	1	1	
54052	**1140-TS**	41	40W tubeshield for 1140 series	**73.86**	ea	7	C	4	1	1	
53904	**115HZ**	58	2-AA Hazardous Duty, Div. 1, Submrsbl	**11.15**	ea	5	C	0.12	10	1	
51015	**118**	30	200-300 watt, closed-end, no reflector	**14.93**	ea	2	B	0.83	30	6	
51016	**118-I**	30	Same as No. 118, with insulation	**26.24**	ea	2	B	0.87	30	6	
51018	**118-R**	30	200-300 watt, closed-end, w/reflector	**18.64**	ea	2	B	0.93	30	6	
51017	**118-RI**	30	Same as No. 118-R, w/insulation	**31.59**	ea	2	B	1.07	30	6	
51019	**119**	30	200-300 watt, open-end, no reflector	**14.64**	ea	2	B	0.97	30	6	
51023	**119-I**	30	Same as No. 119, with insulation	**25.93**	ea	2	B	1.07	30	6	
51020	**119-R**	30	200-300 watt, open-end, w/reflector	**17.50**	ea	2	B	1.07	30	6	
51024	**119-RI**	30	Same as No. 119-R, w/insulation	**30.49**	ea	2	B	1.2	30	6	
59932	**12/3**	126	250' coil of 12/3 SOW-A	**521.05**		2	C				S
59934	**12/4**	126	250' coil of 12/4 SOW-A	**710.53**		2	C				
53906	**120LTNHZ**	59	6 Volt, Hazardous Duty Lantern	**21.92**	ea	5	C	0.88	5	1	
53907	**120LTNRBR**	59	6 Volt, Floating Lantern, Rubber	**33.46**	ea	5	C	2.38	5	1	
54039	**1218-25**	40	Ovrhd lite, base unit-18W, 25' primary	**504.02**	ea	2	B	10	1	1	
54042	**1218-25F**	40	Ovrhd lite, feed-thru unit-18W, 25' pri, 6" sec	**582.68**	ea	2	B	10	1	1	
54043	**1218-2F**	40	Ovrhd lite, feed-thru unit-18W, 2.5' pri, 6" sec	**513.57**	ea	2	B	8	1	1	
54048	**1218-FT**	41	18W fluor tube, F18BX/SPX35RS for 1218 series	**29.82**	ea	7	C		1	1	
54049	**1218-TS**	41	18W tubeshield for 1218 series	**27.19**	ea	7	C	1	1	1	
49233	**122100**	63	100' #12/2 SJT, NEMA 1-15 plug, latc gd	**112.86**	ea	2	B	13.75	6	1	S
49235	**122100-NP**	63	100' #12/2 SJT, latc gd, blunt	**108.57**		2					
49162	**122100STW**	63	100' #12/2 STW, NEMA 1-15 plug, latc gd	**141.43**	ea	2	B				
49229	**12250**	63	50' #12/2 SJT, NEMA 1-15 plug, latc gd	**74.29**	ea	2	B	7	6	1	
49215	**12250STW**	63	50' #12/2 STW, NEMA 1-15 plug, latc gd	**102.86**	ea	2	B				
54040	**1227-25**	40	Ovrhd lite, base unit-27W, 25' primary	**514.91**	ea	2	B	10	1	1	
54044	**1227-25F**	40	Ovrhd lite, feed-thru unit-27W, 25' pri, 6" sec	**593.57**	ea	2	B	10	1	1	
54045	**1227-4F**	40	Ovrhd lite, feed-thru unit-27W, 4' pri, 6" sec	**565.45**	ea	2	B	9	1	1	
54055	**1227-FT**	41	27W fluor tube, F27BX/SPX35RS for 1227 series	**32.02**	ea	7	C		1	1	
54056	**1227-TS**	41	27W tubeshield for 1227 series	**30.18**	ea	7	C	1	1	1	
82134	**123100STWY-1L**	65	100' #12/3 STW, NEMA 5-15, latc gd	**185.71**	ea	2	B		1	1	S
82140	**123100STWY-1W**	65	100' #12/3 STW, NEMA 5-15, wire gd	**271.43**	ea	2	B		1	1	
82136	**123100STWY-2L**	65	100' #12/3 STW, NEMA L5-15, latc gd	**192.86**	ea	2	B		1	1	
82142	**123100STWY-2W**	65	100' #12/3 STW, NEMA L5-15, wire gd	**278.57**	ea	2	B		1	1	
82138	**123100STWY-3L**	65	100' #12/3 STW, NEMA L5-20, latc gd	**207.14**	ea	2	B		1	1	
82144	**123100STWY-3W**	65	100' #12/3 STW, NEMA L5-20, wire gd	**292.86**	ea	2	B		1	1	
56209	**123100Y-1**	67	100' #12/3 SEOW, NEMA #5-15 plug & conn	**412.07**	ea	2	B	23.33	6	1	S
56211	**123100Y-2**	67	100' #12/3 SEOW, NEMA #L5-15 plug & conn	**413.14**	ea	2	B	23.33	6	1	
56215	**123100Y-3**	67	100' #12/3 SEOW, NEMA #L5-20 plug & conn	**426.30**	ea	2	B	23.33	6	1	
82133	**12350STWY-1L**	65	50' #12/3 STW, NEMA 5-15, latc gd	**115.71**	ea	2	B		1	1	
82139	**12350STWY-1W**	65	50' #12/3 STW, NEMA 5-15, wire gd	**160.00**	ea	2	B		1	1	
82135	**12350STWY-2L**	65	50' #12/3 STW, NEMA L5-15, latc gd	**122.86**	ea	2	B		1	1	
82141	**12350STWY-2W**	65	50' #12/3 STW, NEMA L5-15, wire gd	**167.14**	ea	2	B		1	1	
82137	**12350STWY-3L**	65	50' #12/3 STW, NEMA L5-20, latc gd	**137.14**	ea	2	B		1	1	
82143	**12350STWY-3W**	65	50' #12/3 STW, NEMA L5-20, wire gd	**181.43**	ea	2	B		1	1	
56208	**12350Y-1**	67	50' #12/3 SEOW, NEMA #5-15 plug & conn	**217.19**	ea	2	B	11.67	6	1	S
56210	**12350Y-2**	67	50' #12/3 SEOW, NEMA #L5-15 plug & conn	**218.26**	ea	2	B	11.67	6	1	
56214	**12350Y-3**	67	50' #12/3 SEOW, NEMA #L5-20 plug & conn	**231.41**	ea	2	B	11.67	6	1	
54041	**1239-25**	40	Ovrhd lite, base unit-39W, 25' primary	**526.43**	ea	2	B	11	1	1	
54046	**1239-25F**	40	Ovrhd lite, feed-thru unit-39W, 25' pri, 6" sec	**605.00**	ea	2	B	11	1	1	
54047	**1239-4F**	40	Ovrhd lite, feed-thru unit-39W, 4' pri, 6" sec	**576.96**	ea	2	B	10	1	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54057	**1239-FT**	41	39W fluor tube, F39BX/SPX35RS for 1239 series	**33.16**	ea	7	C		1	1	
54058	**1239-TS**	41	39W tubeshield for 1239 series	**33.32**	ea	7	C	2	1	1	
59109	**123B**	125	12/3 SJTW-A Yellow, 50' 15A, 1875W	**24.06**	ea	2	C	7	5	1	
59110	**123D**	125	12/3 SJTW-A Yellow, 100' 15A, 1875W	**45.11**	ea	2	C	13	5	1	
59928	**14/3**	126	250' coil of 14/3 SOW-A	**418.42**		2	C				S
59930	**14/4**	126	250' coil of 14/4 SOW-A	**560.53**		2	C				
55580	**1400**	230	Cbl reel, handwind, (4) 5-15 recepts, no cord	**190.73**	ea	2	C	8	1	1	N
55581	**1405**	230	Cbl reel, handwind, 100' #12/3 SJO, (4) 5-15	**436.50**	ea	2	C	8	1	1	N
55583	**1415**	230	Cbl reel, handwind, 125' #14/3 SJO, (4) 5-15	**390.00**	ea	2	C	8	1	1	N
49228	**142100**	62	100', #14/2 SJT, NEMA 1-15 plug, latc gd	**78.57**	ea	2	B	9.25	1	1	S
49242	**142100-NP**	62	100', #14/2 SJT, latc gd, blunt	**74.29**		2			1	1	S
49157	**142100STW**	62	100', #14/2 STW, NEMA 1-15 plug, latc gd	**107.14**	ea	2	B		1	1	
55585	**1425**	230	Cbl reel, handwind, 200' #16/3 SJO, (4) 5-15	**551.26**	ea	2	C	8	1	1	N
49237	**14250**	62	50', #14/2 SJT, NEMA 1-15 plug, latc gd	**62.86**	ea	2	B	4.75	6	1	
49164	**14250STW**	62	50', #14/2 STW, NEMA 1-15 plug, latc gd	**91.43**	ea	2	B		1	1	
82147	**143100STWY-1L**	65	100' #14/3 STW, NEMA 5-15, latc gd	**164.29**	ea	2	B		1	1	
82153	**143100STWY-1W**	65	100' #14/3 STW, NEMA 5-15, wire gd	**250.00**	ea	2	B		1	1	
82149	**143100STWY-2L**	65	100' #14/3 STW, NEMA L5-15, latc gd	**171.43**	ea	2	B		1	1	
82155	**143100STWY-2W**	65	100' #14/3 STW, NEMA L5-15, wire gd	**257.14**	ea	2	B		1	1	
82151	**143100STWY-3L**	65	100' #14/3 STW, NEMA L5-20, latc gd	**185.71**	ea	2	B		1	1	
82157	**143100STWY-3W**	65	100' #14/3 STW, NEMA L5-20, wire gd	**271.43**	ea	2	B		1	1	
56217	**143100Y-1**	67	100' #14/3 SEOW, NEMA #5-15 plug & conn	**352.44**	ea	2	B	18	6	1	S
56219	**143100Y-2**	67	100' #14/3 SEOW, NEMA #L5-15 plug & conn	**353.17**	ea	2	B	18	6	1	
82146	**14350STWY-1L**	65	50' #14/3 STW, NEMA 5-15, latc gd	**107.14**	ea	2	B		1	1	
82152	**14350STWY-1W**	65	50' #14/3 STW, NEMA 5-15, wire gd	**150.00**	ea	2	B		1	1	
82148	**14350STWY-2L**	65	50' #14/3 STW, NEMA L5-15, latc gd	**114.29**	ea	2	B		1	1	
82154	**14350STWY-2W**	65	50' #14/3 STW, NEMA L5-15, wire gd	**157.14**	ea	2	B		1	1	
82150	**14350STWY-3L**	65	50' #14/3 STW, NEMA L5-20, latc gd	**128.57**	ea	2	B		1	1	
82156	**14350STWY-3W**	65	50' #14/3 STW, NEMA L5-20, wire gd	**171.43**	ea	2	B		1	1	
56216	**14350Y-1**	67	50' #14/3 SEOW, NEMA #5-15 plug & conn	**195.01**	ea	2	B	9	6	1	S
56218	**14350Y-2**	67	50' #14/3 SEOW, NEMA #L5-15 plug & conn	**196.09**	ea	2	B	9	6	1	
51060	**150**	30	150W PAR 38 or 300 watt Type R, open, no refl	**11.93**	ea	2	B	0.6	30	6	
51064	**150-I**	30	Same as No. 150, with insulation	**21.06**	ea	2	B	0.63	30	6	
58700	**1510-P**	86	Plug Cap, NEMA 5-15P, 15A-125V	**7.13**	ea	2	A	0.21	100	10	S
57002	**1510P143A**	86	Cord Set, 25' #14/3 SOW-A, #1610-C	**55.41**	ea	2	A	5.5	6	1	
57006	**1510P143B**	86	Cord Set, 50' #14/3 SOW-A, #1610-C	**84.08**	ea	2	A	10.5	6	1	
57010	**1510P143D**	86	Cord Set, 100' #14/3 SOW-A, #1610-C	**141.33**	ea	2	A	19.5	6	1	
58863	**1510P163A**	86	Cord Set, 25' #16/3 SOW-A, #1610-C	**44.80**	ea	2	A	3.5	6	1	
58873	**1510P163B**	86	Cord Set, 50' #16/3 SOW-A, #1610-C	**62.31**	ea	2	A	6.5	6	1	S
57093	**1510P163D**	86	Cord Set, 100' #16/3 SOW-A, #1610-C	**98.43**	ea	2	A	12.5	6	1	
49000	**1510-PG**	83	Plug Cap, NEMA 5-15P, 15A-125V	**7.13**	ea	2	A	0.21	100	10	S
82159	**1510PG143A**	83	Cord Set, 25' #14/3 SOW-A, #1610-CG	**62.51**	ea	2	A	5.67	6	1	
82160	**1510PG143B**	83	Cord Set, 50' #14/3 SOW-A, #1610-CG	**91.12**	ea	2	A	10.67	6	1	
82161	**1510PG143D**	83	Cord Set, 100' #14/3 SOW-A, #1610-CG	**147.96**	ea	2	A	19.67	6	1	
82162	**1510PG163A**	83	Cord Set, 25' #16/3 SOW-A, #1610-CG	**51.94**	ea	2	A	3.67	6	1	
82163	**1510PG163B**	83	Cord Set, 50' #16/3 SOW-A, #1610-CG	**69.69**	ea	2	A	6.67	6	1	
82164	**1510PG163D**	83	Cord Set, 100' #16/3 SOW-A, #1610-CG	**105.10**	ea	2	A	12.67	6	1	
50219	**1510-PM**	89	Plug Cap (GCM), NEMA 5-15P, 15A-125V	**30.84**	ea	2	A	0.24	50	10	S
49026	**1510-PMG**	89	Plug Cap (GCM), NEMA 5-15P, 15A-125V	**30.84**	ea	2	A	0.25	50	10	
82250	**1510-PQ**	90	Plug Cap, NEMA 5-15P, 15A-125V	**5.64**	ea	2	A	0.21	100	10	N,S
50108	**1510-PW**	78	Plug Cap, NEMA 5-15P, 15A-125V	**12.30**	ea	2	A	0.24	50	10	S
50109	**1510PW143A**	79	Cord Set, 25' #14/3 SOW-A, #1610-CW	**62.51**	ea	2	A	5.67	6	1	
50110	**1510PW143B**	79	Cord Set, 50' #14/3 SOW-A, #1610-CW	**91.12**	ea	2	A	10.67	6	1	
50111	**1510PW143D**	79	Cord Set, 100' #14/3 SOW-A, #1610-CW	**147.96**	ea	2	A	19.67	6	1	
50112	**1510PW163A**	79	Cord Set, 25' #16/3 SOW-A, #1610-CW	**51.94**	ea	2	A	3.67	6	1	
50113	**1510PW163B**	79	Cord Set, 50' #16/3 SOW-A, #1610-CW	**69.69**	ea	2	A	6.67	6	1	
50114	**1510PW163D**	79	Cord Set, 100' #16/3 SOW-A, #1610-CW	**105.10**	ea	2	A	12.67	6	1	
58701	**1512-P**	86	Plug Cap, NEMA 5-20P, 20A-125V	**8.91**	ea	2	A	0.21	100	10	S
57200	**1512P123A**	86	Cord Set, 25' #12/3 SOW-A, #1612-C	**63.16**	ea	2	A	7.5	6	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
57201	**1512P123B**	86	Cord Set, 50' #12/3 SOW-A, #1612-C	**98.22**	ea	2	A	13.5	6	1	
57202	**1512P123D**	86	Cord Set, 100' #12/3 SOW-A, #1612-C	**168.37**	ea	2	A	26.5	6	1	
57203	**1512P143A**	86	Cord Set, 25' #14/3 SOW-A, #1612-C	**56.33**	ea	2	A	5.5	6	1	
57204	**1512P143B**	86	Cord Set, 50' #14/3 SOW-A, #1612-C	**84.39**	ea	2	A	10.5	6	1	
57205	**1512P143D**	86	Cord Set, 100' #14/3 SOW-A, #1612-C	**140.61**	ea	2	A	19.5	6	1	
49001	**1512-PG**	83	Plug Cap, NEMA 5-20P, 20A-125V	**9.36**	ea	2	A	0.21	100	10	S
82165	**1512PG123A**	83	Cord Set, 25' #12/3 SOW-A, #1612-CG	**63.16**	ea	2	A	7.67	6	1	
82166	**1512PG123B**	83	Cord Set, 50' #12/3 SOW-A, #1612-CG	**98.22**	ea	2	A	13.67	6	1	
82167	**1512PG123D**	83	Cord Set, 100' #12/3 SOW-A, #1612-CG	**168.37**	ea	2	A	26.67	6	1	
82168	**1512PG143A**	83	Cord Set, 25' #14/3 SOW-A, #1612-CG	**56.33**	ea	2	A	5.67	6	1	
82169	**1512PG143B**	83	Cord Set, 50' #14/3 SOW-A, #1612-CG	**84.39**	ea	2	A	10.67	6	1	
82170	**1512PG143D**	83	Cord Set, 100' #14/3 SOW-A, #1612-CG	**140.61**	ea	2	A	19.67	6	1	
50220	**1512-PM**	89	Plug Cap (GCM), NEMA 5-20P, 20A-125V	**30.89**	ea	2	A	0.24	50	10	
49027	**1512-PMG**	89	Plug Cap (GCM), NEMA 5-20P, 20A-125V	**30.89**	ea	2	A	0.25	50	10	
82251	**1512-PQ**	90	Plug Cap, NEMA 5-20P, 20A-125V	**7.13**	ea	2	A	0.21	100	10	N,S
50115	**1512-PW**	78	Plug Cap, NEMA 5-20P, 20A-125V	**14.19**	ea	2	A	0.24	50	10	S
50116	**1512PW123A**	79	Cord Set, 25' #12/3 SOW-A, #1612-CW	**71.22**	ea	2	A	7.67	6	1	
50117	**1512PW123B**	79	Cord Set, 50' #12/3 SOW-A, #1612-CW	**106.28**	ea	2	A	13.67	6	1	
50119	**1512PW123D**	79	Cord Set, 100' #12/3 SOW-A, #1612-CW	**176.43**	ea	2	A	26.67	6	1	
50120	**1512PW143A**	79	Cord Set, 25' #14/3 SOW-A, #1612-CW	**64.34**	ea	2	A	5.67	6	1	
50121	**1512PW143B**	79	Cord Set, 50' #14/3 SOW-A, #1612-CW	**92.45**	ea	2	A	10.67	6	1	
50122	**1512PW143D**	79	Cord Set, 100' #14/3 SOW-A, #1612-CW	**148.67**	ea	2	A	19.67	6	1	
58702	**1514-P**	86	Plug Cap, NEMA 6-15P, 15A-250V	**7.80**	ea	2	A	0.21	100	10	S
57206	**1514P143A**	86	Cord Set, 25' #14/3 SOW-A, #1614-C	**56.02**	ea	2	A	5.5	6	1	
57207	**1514P143B**	86	Cord Set, 50' #14/3 SOW-A, #1614-C	**85.20**	ea	2	A	10.5	6	1	
57208	**1514P143D**	86	Cord Set, 100' #14/3 SOW-A, #1614-C	**141.63**	ea	2	A	19.5	6	1	
57209	**1514P163A**	86	Cord Set, 25' #16/3 SOW-A, #1614-C	**44.18**	ea	2	A	3.5	6	1	
57210	**1514P163B**	86	Cord Set, 50' #16/3 SOW-A, #1614-C	**61.33**	ea	2	A	6.5	6	1	
57211	**1514P163D**	86	Cord Set, 100' #16/3 SOW-A, #1614-C	**97.76**	ea	2	A	12.5	6	1	
49002	**1514-PG**	83	Plug Cap, NEMA 6-15P, 15A-250V	**8.14**	ea	2	A	0.21	100	10	S
82172	**1514PG143A**	83	Cord Set, 25' #14/3 SOW-A, #1614-CG	**56.02**	ea	2	A	5.67	6	1	
82173	**1514PG143B**	83	Cord Set, 50' #14/3 SOW-A, #1614-CG	**85.20**	ea	2	A	10.67	6	1	
82174	**1514PG143D**	83	Cord Set, 100' #14/3 SOW-A, #1614-CG	**141.63**	ea	2	A	19.67	6	1	
82175	**1514PG163A**	83	Cord Set, 25' #16/3 SOW-A, #1614-CG	**44.18**	ea	2	A	3.67	6	1	
82176	**1514PG163B**	83	Cord Set, 50' #16/3 SOW-A, #1614-CG	**61.33**	ea	2	A	6.67	6	1	
82177	**1514PG163D**	83	Cord Set, 100' #16/3 SOW-A, #1614-CG	**97.76**	ea	2	A	12.67	6	1	
82252	**1514-PQ**	90	Plug Cap, NEMA 6-15P, 15A-250V	**6.24**	ea	2	A	0.21	100	10	N
50123	**1514-PW**	78	Plug Cap, NEMA 6-15P, 15A-125V	**13.03**	ea	2	A	0.24	50	10	S
50124	**1514PW143A**	79	Cord Set, 25' #14/3 SOW-A, #1614-CW	**65.41**	ea	2	A	5.67	6	1	
50125	**1514PW143B**	79	Cord Set, 50' #14/3 SOW-A, #1614-CW	**94.59**	ea	2	A	10.67	6	1	
50126	**1514PW143D**	79	Cord Set, 100' #14/3 SOW-A, #1614-CW	**152.04**	ea	2	A	19.67	6	1	
50127	**1514PW163A**	79	Cord Set, 25' #16/3 SOW-A, #1614-CW	**54.59**	ea	2	A	3.67	6	1	
50128	**1514PW163B**	79	Cord Set, 50' #16/3 SOW-A, #1614-CW	**72.45**	ea	2	A	6.67	6	1	
50129	**1514PW163D**	79	Cord Set, 100' #16/3 SOW-A, #1614-CW	**109.18**	ea	2	A	12.67	6	1	
58703	**1516-P**	86	Plug Cap, NEMA 6-20P, 20A-250V	**9.94**	ea	2	A	0.21	100	10	S
57212	**1516P123A**	86	Cord Set, 25' #12/3 SOW-A, #1616-C	**65.60**	ea	2	A	7.5	6	1	
57213	**1516P123B**	86	Cord Set, 50' #12/3 SOW-A, #1616-C	**101.53**	ea	2	A	13.5	6	1	
57214	**1516P123D**	86	Cord Set, 100' #12/3 SOW-A, #1616-C	**173.47**	ea	2	A	26.5	6	1	
57215	**1516P143A**	86	Cord Set, 25' #14/3 SOW-A, #1616-C	**58.57**	ea	2	A	5.5	6	1	
57216	**1516P143B**	86	Cord Set, 50' #14/3 SOW-A, #1616-C	**87.45**	ea	2	A	10.5	6	1	
57217	**1516P143D**	86	Cord Set, 100' #14/3 SOW-A, #1616-C	**145.31**	ea	2	A	19.5	6	1	
49003	**1516-PG**	83	Plug Cap, NEMA 6-20P, 20A-250V	**10.42**	ea	2	A	0.21	100	10	S
82178	**1516PG123A**	83	Cord Set, 25' #12/3 SOW-A, #1616-CG	**65.60**	ea	2	A	7.67	6	1	
82179	**1516PG123B**	83	Cord Set, 50' #12/3 SOW-A, #1616-CG	**101.53**	ea	2	A	13.67	6	1	
82180	**1516PG123D**	83	Cord Set, 100' #12/3 SOW-A, #1616-CG	**173.47**	ea	2	A	26.67	6	1	
82181	**1516PG143A**	83	Cord Set, 25' #14/3 SOW-A, #1616-CG	**58.57**	ea	2	A	5.67	6	1	
82182	**1516PG143B**	83	Cord Set, 50' #14/3 SOW-A, #1616-CG	**87.45**	ea	2	A	10.67	6	1	
82183	**1516PG143D**	83	Cord Set, 100' #14/3 SOW-A, #1616-CG	**145.31**	ea	2	A	19.67	6	1	
82253	**1516-PQ**	90	Plug Cap, NEMA 6-20P, 20A-250V	**7.80**	ea	2	A	0.2	50	10	N
50130	**1516-PW**	78	Plug Cap, NEMA 6-20P, 20A-250V	**15.48**	ea	2	A	0.24	50	10	S

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
50131	**1516PW123A**	79	Cord Set, 25' #12/3 SOW-A, #1616-CW	**73.88**	ea	2	A	7.67	6	1	
50132	**1516PW123B**	79	Cord Set, 50' #12/3 SOW-A, #1616-CW	**110.00**	ea	2	A	13.67	6	1	
50134	**1516PW123D**	79	Cord Set, 100' #12/3 SOW-A, #1616-CW	**182.14**	ea	2	A	26.67	6	1	
50135	**1516PW143A**	79	Cord Set, 25' #14/3 SOW-A, #1616-CW	**66.73**	ea	2	A	5.67	6	1	
50136	**1516PW143B**	79	Cord Set, 50' #14/3 SOW-A, #1616-CW	**95.71**	ea	2	A	10.67	6	1	
50137	**1516PW143D**	79	Cord Set, 100' #14/3 SOW-A, #1616-CW	**153.57**	ea	2	A	19.67	6	1	
58710	**1520-P**	86	Plug Cap, NEMA L5-15P, 15A-125V	**7.81**	ea	2	A	0.21	100	10	S
57218	**1520P143A**	86	Cord Set, 25' #14/3 SOW-A, #1620-C	**56.02**	ea	2	A	5.5	6	1	
57219	**1520P143B**	86	Cord Set, 50' #14/3 SOW-A, #1620-C	**84.65**	ea	2	A	10.5	6	1	
57220	**1520P143D**	86	Cord Set, 100' #14/3 SOW-A, #1620-C	**142.00**	ea	2	A	19.5	6	1	
57221	**1520P163A**	86	Cord Set, 25' #16/3 SOW-A, #1620-C	**45.41**	ea	2	A	3.5	6	1	
57222	**1520P163B**	86	Cord Set, 50' #16/3 SOW-A, #1620-C	**63.22**	ea	2	A	6.5	6	1	
57223	**1520P163D**	86	Cord Set, 100' #16/3 SOW-A, #1620-C	**98.98**	ea	2	A	12.5	6	1	
49004	**1520-PG**	83	Plug Cap, NEMA L5-15P, 15A-125V	**8.16**	ea	2	A	0.21	100	10	S
82184	**1520PG143A**	83	Cord Set, 25' #14/3 SOW-A, #1620-CG	**56.02**	ea	2	A	5.67	6	1	
82185	**1520PG143B**	83	Cord Set, 50' #14/3 SOW-A, #1620-CG	**84.65**	ea	2	A	10.67	6	1	
82186	**1520PG143D**	83	Cord Set, 100' #14/3 SOW-A, #1620-CG	**142.00**	ea	2	A	19.67	6	1	
82187	**1520PG163A**	83	Cord Set, 25' #16/3 SOW-A, #1620-CG	**45.41**	ea	2	A	3.67	6	1	
82188	**1520PG163B**	83	Cord Set, 50' #16/3 SOW-A, #1620-CG	**63.22**	ea	2	A	6.67	6	1	
82189	**1520PG163D**	83	Cord Set, 100' #16/3 SOW-A, #1620-CG	**98.98**	ea	2	A	12.67	6	1	
82254	**1520-PQ**	90	Plug Cap, NEMA L5-15P, 15A-125V	**6.13**	ea	2	A	0.2	50	10	N,S
50140	**1520-PW**	78	Plug Cap, NEMA L5-15P, 15A-125V	**12.59**	ea	2	A	0.24	50	10	S
50141	**1520PW143A**	79	Cord Set, 25' #14/3 SOW-A, #1620-CW	**63.27**	ea	2	A	5.67	6	1	
50142	**1520PW143B**	79	Cord Set, 50' #14/3 SOW-A, #1620-CW	**91.94**	ea	2	A	10.67	6	1	
50143	**1520PW143D**	79	Cord Set, 100' #14/3 SOW-A, #1620-CW	**149.29**	ea	2	A	19.67	6	1	
50144	**1520PW163A**	79	Cord Set, 25' #16/3 SOW-A, #1620-CW	**52.71**	ea	2	A	3.67	6	1	
50145	**1520PW163B**	79	Cord Set, 50' #16/3 SOW-A, #1620-CW	**70.57**	ea	2	A	6.67	6	1	
50146	**1520PW163D**	79	Cord Set, 100' #16/3 SOW-A, #1620-CW	**106.33**	ea	2	A	12.67	6	1	
58711	**1522-P**	86	Plug Cap, NEMA L6-15P, 15A-250V	**7.99**	ea	2	A	0.21	100	10	S
57224	**1522P143A**	86	Cord Set, 25' #14/3 SOW-A, #1622-C	**55.71**	ea	2	A	5.5	6	1	
57225	**1522P143B**	86	Cord Set, 50' #14/3 SOW-A, #1622-C	**83.98**	ea	2	A	10.5	6	1	
57226	**1522P143D**	86	Cord Set, 100' #14/3 SOW-A, #1622-C	**140.47**	ea	2	A	19.5	6	1	
57227	**1522P163A**	86	Cord Set, 25' #16/3 SOW-A, #1622-C	**45.26**	ea	2	A	3.5	6	1	
57228	**1522P163B**	86	Cord Set, 50' #16/3 SOW-A, #1622-C	**62.86**	ea	2	A	6.5	6	1	
57229	**1522P163D**	86	Cord Set, 100' #16/3 SOW-A, #1622-C	**98.12**	ea	2	A	12.5	6	1	
49005	**1522-PG**	83	Plug Cap, NEMA L6-15P, 15A-250V	**8.38**	ea	2	A	0.21	100	10	
82190	**1522PG143A**	83	Cord Set, 25' #14/3 SOW-A, #1622-CG	**55.71**	ea	2	A	5.67	6	1	
82191	**1522PG143B**	83	Cord Set, 50' #14/3 SOW-A, #1622-CG	**83.98**	ea	2	A	10.67	6	1	
82192	**1522PG143D**	83	Cord Set, 100' #14/3 SOW-A, #1622-CG	**140.47**	ea	2	A	19.67	6	1	
82193	**1522PG163A**	83	Cord Set, 25' #16/3 SOW-A, #1622-CG	**45.26**	ea	2	A	3.67	6	1	
82194	**1522PG163B**	83	Cord Set, 50' #16/3 SOW-A, #1622-CG	**62.86**	ea	2	A	6.67	6	1	
82195	**1522PG163D**	83	Cord Set, 100' #16/3 SOW-A, #1622-CG	**98.12**	ea	2	A	12.67	6	1	
82255	**1522-PQ**	90	Plug Cap, NEMA L6-15P, 15A-250V	**6.26**	ea	2	A	0.2	50	10	N
50147	**1522-PW**	78	Plug Cap, NEMA L6-15P, 15A-250V	**13.22**	ea	2	A	0.24	50	10	S
50148	**1522PW143A**	79	Cord Set, 25' #14/3 SOW-A, #1622-CW	**63.83**	ea	2	A	5.67	6	1	
50149	**1522PW143B**	79	Cord Set, 50' #14/3 SOW-A, #1622-CW	**92.10**	ea	2	A	10.67	6	1	
50150	**1522PW143D**	79	Cord Set, 100' #14/3 SOW-A, #1622-CW	**148.57**	ea	2	A	19.67	6	1	
50151	**1522PW163A**	79	Cord Set, 25' #16/3 SOW-A, #1622-CW	**53.37**	ea	2	A	3.67	6	1	
50152	**1522PW163B**	79	Cord Set, 50' #16/3 SOW-A, #1622-CW	**70.98**	ea	2	A	6.67	6	1	
50153	**1522PW163D**	79	Cord Set, 100' #16/3 SOW-A, #1622-CW	**106.18**	ea	2	A	12.67	6	1	
58712	**1524-P**	86	Plug Cap, NEMA L7-15P, 15A-277V	**8.98**	ea	2	A	0.21	100	10	S
57230	**1524P143A**	86	Cord Set, 25' #14/3 SOW-A, #1624-C	**57.65**	ea	2	A	5.5	6	1	
57231	**1524P143B**	86	Cord Set, 50' #14/3 SOW-A, #1624-C	**86.63**	ea	2	A	10.5	6	1	
57232	**1524P143D**	86	Cord Set, 100' #14/3 SOW-A, #1624-C	**144.49**	ea	2	A	19.5	6	1	
57233	**1524P163A**	86	Cord Set, 25' #16/3 SOW-A, #1624-C	**46.94**	ea	2	A	3.5	6	1	
57234	**1524P163B**	86	Cord Set, 50' #16/3 SOW-A, #1624-C	**65.00**	ea	2	A	6.5	6	1	
57235	**1524P163D**	86	Cord Set, 100' #16/3 SOW-A, #1624-C	**101.02**	ea	2	A	12.5	6	1	
49006	**1524-PG**	83	Plug Cap, NEMA L7-15P, 15A-277V	**9.40**	ea	2	A	0.21	100	10	
82196	**1524PG143A**	83	Cord Set, 25' #14/3 SOW-A, #1624-CG	**57.65**	ea	2	A	5.67	6	1	
82197	**1524PG143B**	83	Cord Set, 50' #14/3 SOW-A, #1624-CG	**86.63**	ea	2	A	10.67	6	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
82198	**1524PG143D**	83	Cord Set, 100' #14/3 SOW-A, #1624-CG	**144.49**	ea	2	A	19.67	6	1	
82199	**1524PG163A**	83	Cord Set, 25' #16/3 SOW-A, #1624-CG	**46.94**	ea	2	A	3.67	6	1	
82200	**1524PG163B**	83	Cord Set, 50' #16/3 SOW-A, #1624-CG	**65.00**	ea	2	A	6.67	6	1	
82201	**1524PG163D**	83	Cord Set, 100' #16/3 SOW-A, #1624-CG	**101.02**	ea	2	A	12.67	6	1	
82256	**1524-PQ**	90	Plug Cap, NEMA L7-15P, 15A-277V	**7.04**	ea	2	A	0.2	50	10	N
50154	**1524-PW**	78	Plug Cap, NEMA L7-15P, 15A-277V	**14.27**	ea	2	A	0.24	50	10	S
50155	**1524PW143A**	79	Cord Set, 25' #14/3 SOW-A, #1624-CW	**65.82**	ea	2	A	5.67	6	1	
50156	**1524PW143B**	79	Cord Set, 50' #14/3 SOW-A, #1624-CW	**95.06**	ea	2	A	10.67	6	1	
50157	**1524PW143D**	79	Cord Set, 100' #14/3 SOW-A, #1624-CW	**152.86**	ea	2	A	19.67	6	1	
50158	**1524PW163A**	79	Cord Set, 25' #16/3 SOW-A, #1624-CW	**55.36**	ea	2	A	3.67	6	1	
50159	**1524PW163B**	79	Cord Set, 50' #16/3 SOW-A, #1624-CW	**73.27**	ea	2	A	6.67	6	1	
50160	**1524PW163D**	79	Cord Set, 100' #16/3 SOW-A, #1624-CW	**109.45**	ea	2	A	12.67	6	1	
58720	**1530-PH**	87	Hosp. Grade Plug, NEMA 5-15P, 15A-125V	**9.62**	ea	2	A	0.19	100	10	S
58726	**1530-PHC**	87	Hosp. Grade Plug, NEMA 5-15P, 15A-125V	**9.14**	ea	2	A	0.18	100	10	
58725	**1532-PH**	87	Hosp. Grade Plug, NEMA 5-20P, 20A-125V	**11.31**	ea	2	A	0.19	100	10	
58727	**1532-PHC**	87	Hosp. Grade Plug, NEMA 5-20P, 20A-125V	**10.82**	ea	2	A	0.18	100	10	S
49030	**15PW**	94	Male closure cap, 15A SB/Lock, 20A SB	**5.00**	ea	2	B	0.13	50	10	
59924	**16/3**	126	250' coil of 16/3 SOW-A	**260.53**		2	C				S
59926	**16/4**	126	250' coil of 16/4 SOW-A	**413.68**		2	C				
58750	**1610-C**	86	Connector, NEMA 5-15R, 15A-125V	**11.86**	ea	2	A	0.24	100	10	S
49007	**1610-CG**	83	Connector, NEMA 5-15R, 15A-125V	**11.86**	ea	2	A	0.24	100	10	S
50225	**1610-CM**	89	Connector (GCM), NEMA 5-15R, 15A-125V	**30.39**	ea	2	A	0.26	50	10	S
50226	**1610CM143A**	87	Cord Set, 25' #14/3 SOW-A, #1510-P	**68.27**	ea	2	A	5.5	6	1	
50227	**1610CM143B**	87	Cord Set, 50' #14/3 SOW-A, #1510-P	**96.94**	ea	2	A	10.5	6	1	
50228	**1610CM143D**	87	Cord Set, 100' #14/3 SOW-A, #1510-P	**154.24**	ea	2	A	19.5	6	1	
50229	**1610CM163A**	87	Cord Set, 25' #16/3 SOW-A, #1510-P	**57.65**	ea	2	A	3.5	6	1	
50230	**1610CM163B**	87	Cord Set, 50' #16/3 SOW-A, #1510-P	**75.51**	ea	2	A	6.5	6	1	
50231	**1610CM163D**	87	Cord Set, 100' #16/3 SOW-A, #1510-P	**111.22**	ea	2	A	12.5	6	1	
49028	**1610-CMG**	89	Connector (GCM), NEMA 5-15R, 15A-125V	**31.01**	ea	2	A	0.26	50	10	
82202	**1610CMG143A**	83	Cord Set, 25' #14/3 SOW-A, #1510-PG	**68.27**	ea	2	A	5.5	6	1	
82203	**1610CMG143B**	83	Cord Set, 50' #14/3 SOW-A, #1510-PG	**96.94**	ea	2	A	10.5	6	1	
82204	**1610CMG143D**	83	Cord Set, 100' #14/3 SOW-A, #1510-PG	**154.24**	ea	2	A	19.5	6	1	
82205	**1610CMG163A**	83	Cord Set, 25' #16/3 SOW-A, #1510-PG	**57.65**	ea	2	A	3.5	6	1	
82206	**1610CMG163B**	83	Cord Set, 50' #16/3 SOW-A, #1510-PG	**75.51**	ea	2	A	6.5	6	1	
82207	**1610CMG163D**	83	Cord Set, 100' #16/3 SOW-A, #1510-PG	**111.22**	ea	2	A	12.5	6	1	
82258	**1610-CQ**	90	Connector, NEMA 5-15R, 15A-125V	**9.36**	ea	2	A	0.2	50	10	N,S
50161	**1610-CW**	78	Connector, NEMA 5-15R, 15A-125V	**17.46**	ea	2	A	0.34	50	10	S
82114	**1610-PWDX**	119	NEMA 5-15, 15A/125V duplex weather-resist. recept cover.	**49.93**	ea	2	B		1	1	
58751	**1612-C**	86	Connector, NEMA 5-20R, 20A-125V	**13.51**	ea	2	A	0.24	100	10	S
49008	**1612-CG**	83	Connector, NEMA 5-20R, 20A-125V	**14.14**	ea	2	A	0.24	100	10	S
50232	**1612-CM**	89	Connector (GCM), NEMA 5-20R, 20A-125V	**30.89**	ea	2	A	0.26	50	10	S
50233	**1612CM123A**	87	Cord Set, 25' #12/3 SOW-A, #1512-P	**77.24**	ea	2	A	7.5	6	1	
50234	**1612CM123B**	87	Cord Set, 50' #12/3 SOW-A, #1512-P	**113.02**	ea	2	A	13.5	6	1	
50235	**1612CM123D**	87	Cord Set, 100' #12/3 SOW-A, #1512-P	**184.55**	ea	2	A	26.5	6	1	
50236	**1612CM143A**	87	Cord Set, 25' #14/3 SOW-A, #1512-P	**70.20**	ea	2	A	5.5	6	1	
50237	**1612CM143B**	87	Cord Set, 50' #14/3 SOW-A, #1512-P	**98.88**	ea	2	A	10.5	6	1	
50238	**1612CM143D**	87	Cord Set, 100' #14/3 SOW-A, #1512-P	**156.12**	ea	2	A	19.5	6	1	
49029	**1612-CMG**	89	Connector (GCM), NEMA 5-20R, 20A-125V	**31.52**	ea	2	A	0.26	50	10	
82208	**1612CMG123A**	83	Cord Set, 25' #12/3 SOW-A, #1512-PG	**77.24**	ea	2	A	7.5	6	1	
82209	**1612CMG123B**	83	Cord Set, 50' #12/3 SOW-A, #1512-PG	**113.02**	ea	2	A	13.5	6	1	
82210	**1612CMG123D**	83	Cord Set, 100' #12/3 SOW-A, #1512-PG	**184.55**	ea	2	A	26.5	6	1	
82211	**1612CMG143A**	83	Cord Set, 25' #14/3 SOW-A, #1512-PG	**70.20**	ea	2	A	5.5	6	1	
82212	**1612CMG143B**	83	Cord Set, 50' #14/3 SOW-A, #1512-PG	**98.88**	ea	2	A	10.5	6	1	
82213	**1612CMG143D**	83	Cord Set, 100' #14/3 SOW-A, #1512-PG	**156.12**	ea	2	A	19.5	6	1	
82259	**1612-CQ**	90	Connector, NEMA 5-20R, 20A-125V	**10.79**	ea	2	A	0.24	50	10	N,S
50162	**1612-CW**	78	Connector, NEMA 5-20R, 20A-125V	**19.91**	ea	2	A	0.34	50	10	S
82115	**1612-PWDX**	119	NEMA 5-20, 15A/125V duplex weather-resist. recept cover.	**49.93**	ea	2	B		1	1	
58752	**1614-C**	86	Connector, NEMA 6-15R, 15A-250V	**13.03**	ea	2	A	0.24	100	10	S
49009	**1614-CG**	83	Connector, NEMA 6-15R, 15A-250V	**13.64**	ea	2	A	0.24	100	10	

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Suggested Resale Price Sheet No. 37
Effective Date: June 15, 2000
Supersedes Distributor Net Price Sheet
No. 36 Dated May 15,1997

Symbol legend:
N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
82260	**1614-CQ**	90	Connector, NEMA 6-15R, 15A-250V	**10.36**	ea	2	A	0.24	50	10	N
50163	**1614-CW**	78	Connector, NEMA 6-15R, 15A-250V	**19.53**	ea	2	A	0.34	50	10	
82116	**1614-PWDX**	119	NEMA 6-15, 15A/125V duplex weather-resist. recept cover.	**49.93**	ea	2	B		1	1	
58753	**1616-C**	86	Connector, NEMA 6-20R, 20A-250V	**14.86**	ea	2	A	0.24	100	10	
49010	**1616-CG**	83	Connector, NEMA 6-20R, 20A-250V	**15.57**	ea	2	A	0.24	100	10	
82261	**1616-CQ**	90	Connector, NEMA 6-20R, 20A-250V	**11.79**	ea	2	A	0.24	50	10	N
50164	**1616-CW**	78	Connector, NEMA 6-20R, 20A-250V	**21.53**	ea	2	A	0.34	50	10	
82117	**1616-PWDX**	119	NEMA 6-20, 15A/125V duplex weather-resist. recept cover.	**49.93**	ea	2	B		1	1	
58760	**1620-C**	86	Connector, NEMA L5-15R, 15A-125V	**12.86**	ea	2	A	0.24	100	10	S
49011	**1620-CG**	83	Connector, NEMA L5-15R, 15A-125V	**13.50**	ea	2	A	0.24	100	10	
82262	**1620-CQ**	90	Connector, NEMA L5-15R, 15A-125V	**10.29**	ea	2	A	0.2	50	10	N
50165	**1620-CW**	78	Connector, NEMA L5-15R, 15A-125V	**18.34**	ea	2	A	0.34	50	10	S
82118	**1620-PWDX**	119	NEMA L5-15, 15A/125V duplex weather-resist. recept cover.	**49.93**	ea	2	B		1	1	
58761	**1622-C**	86	Connector, NEMA L6-15R, 15A-250V	**13.10**	ea	2	A	0.24	100	10	S
49012	**1622-CG**	83	Connector, NEMA L6-15R, 15A-250V	**13.71**	ea	2	A	0.24	100	10	
82263	**1622-CQ**	90	Connector, NEMA L6-15R, 15A-250V	**10.36**	ea	2	A	0.2	50	10	N
50166	**1622-CW**	78	Connector, NEMA L6-15R, 15A-250V	**19.33**	ea	2	A	0.34	50	10	S
82119	**1622-PWDX**	119	NEMA L6-15, 15A/250V duplex weather-resist. recept cover.	**49.93**	ea	2	B		1	1	
58762	**1624-C**	86	Connector, NEMA L7-15R, 15A-277V	**14.61**	ea	2	A	0.24	100	10	S
49013	**1624-CG**	83	Connector, NEMA L7-15R, 15A-277V	**15.36**	ea	2	A	0.24	100	10	
82264	**1624-CQ**	90	Connector, NEMA L7-15R, 15A-277V	**11.64**	ea	2	A	0.2	50	10	N
50167	**1624-CW**	78	Connector, NEMA L7-15R, 15A-277V	**21.37**	ea	2	A	0.34	50	10	S
82120	**1624-PWDX**	119	NEMA L7-15, 15A/277V duplex weather-resist. recept cover.	**49.93**	ea	2	B		1	1	
58770	**1630-CH**	87	Hosp. Grade Conn., NEMA 5-15R	**16.43**	ea	2	A	0.22	100	10	S
58773	**1630-CHC**	87	Hosp. Grade Conn., NEMA 5-15R	**15.96**	ea	2	A	0.2	100	10	S
58772	**1632-CH**	87	Hosp. Grade Conn., NEMA 5-20R	**17.69**	ea	2	A	0.22	100	10	
58774	**1632-CHC**	87	Hosp. Grade Conn., NEMA 5-20R	**17.21**	ea	2	A	0.2	100	10	
59113	**1705**	94	Adapter, L5-15P to 5-15R	**20.91**	ea	2	C	0.35	5	1	
59114	**1712**	94	Adapter, 5-15P to L5-15R	**20.91**	ea	2	C	0.35	5	1	
57100	**17304-B**	127	Over-the-floor duct, (1) 5-15 recept, 4' beige	**64.74**	ea	2	B	2	6	1	
57150	**17304-Y**	127	Over-the-floor duct, (1) 5-15 recept, 4' yellow	**64.74**	ea	2	B	2	6	1	
57102	**17306-B**	127	Over-the-floor duct, (1) 5-15 recept, 6' beige	**77.63**	ea	2	B	2.67	6	1	
57152	**17306-Y**	127	Over-the-floor duct, (1) 5-15 recept, 6' yellow	**77.63**	ea	2	B	2.67	6	1	S
57103	**17308-B**	127	Over-the-floor duct, (1) 5-15 recept, 8' beige	**90.51**	ea	2	B	3	6	1	
57153	**17308-Y**	127	Over-the-floor duct, (1) 5-15 recept, 8' yellow	**90.51**	ea	2	B	3	6	1	
57104	**17310-B**	127	Over-the-floor duct, (1) 5-15 recept, 10' beige	**103.33**	ea	2	B	3.5	6	1	
57154	**17310-Y**	127	Over-the-floor duct, (1) 5-15 recept, 10' yellow	**103.33**	ea	2	B	3.5	6	1	
57105	**17312-B**	127	Over-the-floor duct, (1) 5-15 recept, 12' beige	**116.21**	ea	2	B	4	6	1	
57155	**17312-Y**	127	Over-the-floor duct, (1) 5-15 recept, 12' yellow	**116.21**	ea	2	B	4	6	1	
59115	**1740**	94	Adapter, L5-20P to 5-20R	**34.61**	ea	2	C	0.39	5	1	
57106	**17425-B**	127	Cable shield, 25' (3/4" I.D.), black	**94.91**	ea	2	B	11.5	2	1	
57156	**17425-Y**	127	Cable shield, 25' (3/4" I.D.), yellow	**98.21**	ea	2	B	11.5	2	1	S
59116	**1744**	94	Adapter, 5-15P to L5-20R	**34.61**	ea	2	C	0.39	5	1	
57115	**17525-B**	127	Cable shield, 25' (1" I.D.), black	**113.46**	ea	2	B	15	2	1	
57116	**17525-Y**	127	Cable shield, 25' (1" I.D.), yellow	**116.76**	ea	2	B	15	2	1	
57118	**17575**	127	Dbl. sided tape to install cable shield, 2" W. X 75' L.	**27.50**	ea	2	B	2	1	1	
53908	**190HDLMP**	59	4-AA Headlamp, Haz. Duty, Div. 1	**26.92**	ea	5	C	0.34	5	1	
56010	**1915-6**	49	6V handlamp with #4515 spot bulb, 4' pri, 50' sec	**412.86**	ea	2	B	10.33	3	1	
56011	**1915-6S**	49	Same as 1915-6, w/ switch	**421.43**	ea	2	B	10.67	3	1	S
56012	**1916-6**	49	6V handlamp with #4511 flood bulb, 4' pri, 50' sec	**412.86**	ea	2	B	10.33	3	1	
56013	**1916-6S**	49	Same as 1916-6, w/ switch	**421.43**	ea	2	B	10.67	3	1	
56014	**1917-12**	49	12V handlamp with #4416 spot bulb, 4' pri, 50' sec	**412.86**	ea	2	B	10.33	3	1	S
56015	**1917-12S**	49	Same as 1917-12, w/ switch	**421.43**	ea	2	B	10.67	3	1	S
56016	**1918-12**	49	12 volt handlamp with #4406 flood bulb, 4' pri, 50' sec	**412.86**	ea	2	B	10.33	3	1	
56017	**1918-12S**	49	Same as 1918-12, w/ switch	**421.43**	ea	2	B	10.67	3	1	
56031	**1920-12A**	47	12V, 10' pri, 25' sec 744 handlamp	**531.43**	ea	2	B	16	1	1	
50304	**1920-12B**	47	12V, 10' pri, 50' sec 744 handlamp	**560.00**	ea	2	B	20	1	1	
56033	**1922-12A**	47	12V, 10' pri, 25' sec 744-R handlamp	**535.71**	ea	2	B	17	1	1	
50306	**1922-12B**	47	12V, 10' pri, 50' sec 744-R handlamp	**564.29**	ea	2	B	21	1	1	S
56035	**1924-12A**	47	12V, 10' pri, 25' sec, 70NG handlamp	**607.14**	ea	2	B	20	1	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
50308	**1924-12B**	47	12V, 10' pri, 50' sec, 70NG handlamp	**635.71**	ea	2	B	23	1	1	S
56037	**1926-12A**	47	12V, 10' pri, 25' sec 2300 XP handlamp	**768.57**	ea	2	B	21	1	1	
50310	**1926-12B**	47	12V, 10' pri, 50' sec 2300 XP handlamp	**800.00**	ea	2	B	24	1	1	S
56043	**1931-12**	47	12V transformer only	**272.08**	ea	7	C	5	1	1	
56044	**1932**	47	Transformer housing only	**162.92**	ea	7	C	5	1	1	
56045	**1933**	47	Carrying handle with bands only	**58.17**	ea	7	C	1	1	1	
56047	**1935-12**	47	12V, 100 watt, A-21 bulb	**9.58**	ea	7	C	1	1	1	
56049	**1937-12**	47	No. 4416, 12 v. spot bulb for 1928-12	**16.50**	ea	7	C	1	1	1	
55905	**1940-12**	50	12V, 2 receptacles, 200 V.A.	**545.71**	ea	2	B	14	1	1	S
55903	**1940-6**	50	6V, 2 receptacles, 200 V.A.	**545.71**	ea	2	B	14	1	1	
55909	**1941-12**	50	12V 4 receptacles, 400 V.A.	**850.00**	ea	2	B	27	1	1	S
55907	**1941-6**	50	6V, 4 receptacles, 400 V.A.	**850.00**	ea	2	B	27	1	1	
55911	**1942-6**	50	6V transformer only, for 1940-6	**248.17**	ea	7	C	9	1	1	
55914	**1943-12**	50	12V transformer only, for 1940-12	**248.17**	ea	7	C	9	1	1	
55917	**1944-6**	50	6V transformer only, for 1941-6	**352.50**	ea	7	C	14	1	1	
55920	**1945-12**	50	12V transformer only, for 1941-12	**352.50**	ea	7	C	14	1	1	S
55929	**1948-12**	51	No. 70-NG, 50' #14/3, 12V bulb	**186.40**	ea	2	B	13	1	1	S
55933	**1950-12**	51	No. 1917-12 spotlight, less trans, 50' #16/2, 12V bulb	**217.06**	ea	2	B	8	1	1	
80260	**2R3P**	179	MIC, 3 pole DC sngl key male recept	**5.08**	ea	2	C		10	1	N
80261	**2R4P**	179	MIC, 4 pole DC sngl key male recept	**6.05**	ea	2	C		10	1	N
80262	**2R5P**	179	MIC, 5 pole DC sngl key male recept	**7.08**	ea	2	C		10	1	N
51101	**201**	68	150W A-23/rs/std or 200W, open, 1-1/2" neck	**8.50**	ea	2	B	0.37	60	10	S
51105	**201-P**	68	Same as No. 201, with vinyl coating	**12.10**	ea	2	B	0.38	60	10	S
51103	**211**	68	150W A-23/rs/std or 200W, open, 1-3/4" neck	**8.50**	ea	2	B	0.37	60	10	S
51107	**211-P**	68	Same as No. 211, with vinyl coating	**11.77**	ea	2	B	0.38	60	10	S
51108	**212**	68	RAIN-GUARD, 100 watt, 1 1/2" collar	**8.89**	ea	2	B	0.47	60	10	S
51110	**213**	68	No. 212 with End Cap	**12.66**	ea	2	B	0.58	60	10	
84690	**213-25**	36	Tube Lite, 13W, 25ft. #18/2, ballast on cord	**57.07**	ea	2	C		1	1	N
84691	**213-50**	36	Tube Lite, 13W, 50ft. #18/2, ballast on cord	**71.36**	ea	2	C		1	1	N
51109	**214**	68	Same as No. 212, with 1 3/4" collar	**9.20**	ea	2	B	0.47	60	10	S
51111	**215**	68	No. 214 with End Cap	**12.37**	ea	2	B	0.58	60	10	
84692	**215-25**	36	Tube Lite, 15W, 25ft. #18/2, ballast on cord	**57.07**	ea	2	C		1	1	N
84693	**215-50**	36	Tube Lite, 15W, 50ft. #18/2, ballast on cord	**71.36**	ea	2	C		1	1	N
51112	**216**	68	End Cap, only	**3.53**	ea	2	B	0.17	60	10	S
51114	**219**	68	150W PS25 & 200W PS30 RS, open, 1.5" neck	**10.53**	ea	2	B	0.42	60	10	S
51115	**219-P**	68	Same as No. 219, but with vinyl coating	**15.29**	ea	2	B	0.5	60	10	
51116	**220**	68	150W PS25 & 200W PS30 RS, open, 1.75" neck	**17.57**	ea	2	B	0.42	60	10	S
55964	**2200**	55	XP handlamp, 12 volt, hi-intensity	**389.92**	ea	2	C	6	1	1	
51117	**220-P**	68	Same as No. 220, but with vinyl coating	**19.00**	ea	2	B	0.5	60	10	S
51118	**222**	68	150W A-23/RS or 200W, clsd, 1.75" neck	**11.96**	ea	2	B	0.53	60	10	S
55965	**2225**	55	No. 2200 handlamp w/25' cord	**441.28**	ea	2	C	8	1	1	
51119	**222-P**	68	Same as No. 222, but with vinyl coating	**17.29**	ea	2	B	0.6	60	10	S
51120	**223**	68	PAR-38 and R-40, open-end, 1 1/2" collar	**11.86**	ea	2	B	0.5	60	10	S
51121	**223-P**	68	Same as No. 223, but with vinyl coating	**15.53**	ea	2	B	0.58	60	10	S
51122	**224**	68	PAR-38 and R-40, open-end, 1 3/4" collar	**12.50**	ea	2	B	0.5	60	10	S
51123	**224-P**	68	Same as No. 224, but with vinyl coating	**16.74**	ea	2	B	0.58	60	10	
55966	**2250**	55	No. 2200 handlamp w/50' cord	**467.59**	ea	2	C	10	1	1	
56130	**2300**	53	XP handlamp, 100W A-21/RS bulb	**254.29**	ea	2	B	5	1	1	S
56131	**2301**	53	Guard/Globe Assembly with hook for 2300	**162.86**	ea	2	C	3	1	1	
56134	**2302**	53	Handle Assembly with Socket for 2300	**143.07**	ea	2	C	2	1	1	
55970	**2310-P**	86	Plug Cap, NEMA L5-20P, 20A-125V	**11.79**	ea	2	A	0.36	50	10	S
57236	**2310P123A**	86	Cord Set, 25' #12/3 SOW-A, #2410-C	**69.90**	ea	2	A	8	6	1	
57237	**2310P123B**	86	Cord Set, 50' #12/3 SOW-A, #2410-C	**106.08**	ea	2	A	14	6	1	
57238	**2310P123D**	86	Cord Set, 100' #12/3 SOW-A, #2410-C	**178.27**	ea	2	A	27	6	1	
57239	**2310P143A**	86	Cord Set, 25' #14/3 SOW-A, #2410-C	**62.86**	ea	2	A	6	6	1	
57240	**2310P143B**	86	Cord Set, 50' #14/3 SOW-A, #2410-C	**91.73**	ea	2	A	11	6	1	
57241	**2310P143D**	86	Cord Set, 100' #14/3 SOW-A, #2410-C	**149.59**	ea	2	A	20	6	1	
49014	**2310-PG**	83	Plug Cap, NEMA L5-20P, 20A-125V	**12.10**	ea	2	A	0.36	50	10	S
82214	**2310PG123A**	83	Cord Set, 25' #12/3 SOW-A, #2410-CG	**69.90**	ea	2	A	8.33	6	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
82215	**2310PG123B**	83	Cord Set, 50' #12/3 SOW-A, #2410-CG	**106.08**	ea	2	A	14.33	6	1	
82216	**2310PG123D**	83	Cord Set, 100' #12/3 SOW-A, #2410-CG	**178.27**	ea	2	A	27.33	6	1	
82217	**2310PG143A**	83	Cord Set, 25' #14/3 SOW-A, #2410-CG	**62.86**	ea	2	A	6.33	6	1	
82218	**2310PG143B**	83	Cord Set, 50' #14/3 SOW-A, #2410-CG	**91.73**	ea	2	A	11.33	6	1	
82219	**2310PG143D**	83	Cord Set, 100' #14/3 SOW-A, #2410-CG	**149.59**	ea	2	A	20.33	6	1	
50240	**2310-PM**	89	Plug Cap (GCM), NEMA L5-20P, 20A-125V	**41.37**		2		0.38	50	10	S
55971	**2310-PW**	78	Plug Cap, NEMA L5-20P, 20A-125V	**18.03**	ea	2	A	0.46	50	10	S
57242	**2310PW123A**	79	Cord Set, 25' #12/3 SOW-A, #2410-CW	**81.53**	ea	2	A	8.33	6	1	
57243	**2310PW123B**	79	Cord Set, 50' #12/3 SOW-A, #2410-CW	**117.65**	ea	2	A	14.33	6	1	
57244	**2310PW123D**	79	Cord Set, 100' #12/3 SOW-A, #2410-CW	**189.90**	ea	2	A	27.33	6	1	
57245	**2310PW143A**	79	Cord Set, 25' #14/3 SOW-A, #2410-CW	**74.49**	ea	2	A	6.33	6	1	
57246	**2310PW143B**	79	Cord Set, 50' #14/3 SOW-A, #2410-CW	**102.86**	ea	2	A	11.33	6	1	
57247	**2310PW143D**	79	Cord Set, 100' #14/3 SOW-A, #2410-CW	**161.12**	ea	2	A	20.33	6	1	
55972	**2312-P**	86	Plug Cap, NEMA L6-20P, 20A-250V	**11.56**	ea	2	A	0.36	50	10	S
57248	**2312P123A**	86	Cord Set, 25' #12/3 SOW-A, #2412-C	**68.63**	ea	2	A	8	6	1	
57249	**2312P123B**	86	Cord Set, 50' #12/3 SOW-A, #2412-C	**104.04**	ea	2	A	14	6	1	
57250	**2312P123D**	86	Cord Set, 100' #12/3 SOW-A, #2412-C	**174.90**	ea	2	A	27	6	1	
57251	**2312P143A**	86	Cord Set, 25' #14/3 SOW-A, #2412-C	**61.69**	ea	2	A	6	6	1	
57252	**2312P143B**	86	Cord Set, 50' #14/3 SOW-A, #2412-C	**90.06**	ea	2	A	11	6	1	
57253	**2312P143D**	86	Cord Set, 100' #14/3 SOW-A, #2412-C	**145.71**	ea	2	A	20	6	1	
49015	**2312-PG**	83	Plug Cap, NEMA L6-20P, 20A-250V	**12.10**	ea	2	A	0.36	50	10	
82220	**2312PG123A**	83	Cord Set, 25' #12/3 SOW-A, #2412-CG	**80.00**	ea	2	A	8.33	6	1	
82221	**2312PG123B**	83	Cord Set, 50' #12/3 SOW-A, #2412-CG	**115.41**	ea	2	A	14.33	6	1	
82222	**2312PG123D**	83	Cord Set, 100' #12/3 SOW-A, #2412-CG	**186.28**	ea	2	A	27.33	6	1	
82223	**2312PG143A**	83	Cord Set, 25' #14/3 SOW-A, #2412-CG	**73.06**	ea	2	A	6.33	6	1	
82224	**2312PG143B**	83	Cord Set, 50' #14/3 SOW-A, #2412-CG	**101.43**	ea	2	A	11.33	6	1	
82225	**2312PG143D**	83	Cord Set, 100' #14/3 SOW-A, #2412-CG	**158.16**	ea	2	A	20.33	6	1	
55973	**2312-PW**	78	Plug Cap, NEMA L6-20P, 20A-250V	**18.03**	ea	2	A	0.46	50	10	S
57254	**2312PW123A**	79	Cord Set, 25' #12/3 SOW-A, #2412-CW	**80.00**	ea	2	A	8.33	6	1	
57255	**2312PW123B**	79	Cord Set, 50' #12/3 SOW-A, #2412-CW	**115.41**	ea	2	A	14.33	6	1	
57256	**2312PW123D**	79	Cord Set, 100' #12/3 SOW-A, #2412-CW	**186.28**	ea	2	A	27.33	6	1	
57257	**2312PW143A**	79	Cord Set, 25' #14/3 SOW-A, #2412-CW	**73.06**	ea	2	A	6.33	6	1	
57258	**2312PW143B**	79	Cord Set, 50' #14/3 SOW-A, #2412-CW	**101.43**	ea	2	A	11.33	6	1	
57259	**2312PW143D**	79	Cord Set, 100' #14/3 SOW-A, #2412-CW	**158.16**	ea	2	A	20.33	6	1	
55974	**2314-P**	86	Plug Cap, NEMA L7-20P, 20A-277V	**11.56**	ea	2	A	0.36	50	10	S
57260	**2314P123A**	86	Cord Set, 25' #12/3 SOW-A, #2414-C	**68.63**	ea	2	A	8	6	1	
57261	**2314P123B**	86	Cord Set, 50' #12/3 SOW-A, #2414-C	**104.04**	ea	2	A	14	6	1	
57262	**2314P123D**	86	Cord Set, 100' #12/3 SOW-A, #2414-C	**174.85**	ea	2	A	27	6	1	
57263	**2314P143A**	86	Cord Set, 25' #14/3 SOW-A, #2414-C	**61.69**	ea	2	A	6	6	1	
57264	**2314P143B**	86	Cord Set, 50' #14/3 SOW-A, #2414-C	**90.06**	ea	2	A	11	6	1	
57265	**2314P143D**	86	Cord Set, 100' #14/3 SOW-A, #2414-C	**146.79**	ea	2	A	20	6	1	
55975	**2314-PW**	78	Plug Cap, NEMA L7-20P, 20A-277V	**18.03**	ea	2	A	0.46	50	10	S
57266	**2314PW123A**	79	Cord Set, 25' #12/3 SOW-A, #2414-CW	**77.71**	ea	2	A	8.33	6	1	
57267	**2314PW123B**	79	Cord Set, 50' #12/3 SOW-A, #2414-CW	**115.41**	ea	2	A	14.33	6	1	
57268	**2314PW123D**	79	Cord Set, 100' #12/3 SOW-A, #2414-CW	**186.22**	ea	2	A	27.33	6	1	
57269	**2314PW143A**	79	Cord Set, 25' #14/3 SOW-A, #2414-CW	**73.06**	ea	2	A	6.33	6	1	
57270	**2314PW143B**	79	Cord Set, 50' #14/3 SOW-A, #2414-CW	**101.43**	ea	2	A	11.33	6	1	
57271	**2314PW143D**	79	Cord Set, 100' #14/3 SOW-A, #2414-CW	**158.16**	ea	2	A	20.33	6	1	
55976	**2316-P**	86	Plug Cap, NON-NEMA, 20A-125/250V	**12.64**	ea	2	A	0.36	50	10	S
49016	**2316-PG**	83	Plug Cap, NON-NEMA, 20A-125/250V	**12.76**	ea	2	A	0.36	50	10	
55977	**2316-PW**	78	Plug Cap, NON-NEMA, 20A-125/250V	**19.14**	ea	2	A	0.46	50	10	S
55978	**2317-P**	86	Plug Cap, NON-NEMA, 20A-250V/10A-600V	**13.08**	ea	2	A	0.36	50	10	S
55979	**2317-PW**	78	Plug Cap, NON-NEMA, 20A-250V/10A-600V	**20.45**	ea	2	A	0.46	50	10	S
58600	**2320-P**	86	Plug Cap, NEMA L14-20P, 20A-125/250V	**17.80**	ea	2	A	0.4	50	10	S
57272	**2320P124A**	86	Cord Set, 25' #12/4 SOW-A, #2420-C	**91.43**	ea	2	A	8.5	6	1	
57273	**2320P124B**	86	Cord Set, 50' #12/4 SOW-A, #2420-C	**139.29**	ea	2	A	16	6	1	
57274	**2320P124D**	86	Cord Set, 100' #12/4 SOW-A, #2420-C	**235.31**	ea	2	A	30.83	6	1	
57275	**2320P144A**	86	Cord Set, 25' #14/4 SOW-A, #2420-C	**81.22**	ea	2	A	6.67	6	1	
57276	**2320P144B**	86	Cord Set, 50' #14/4 SOW-A, #2420-C	**118.88**	ea	2	A	12.17	6	1	

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Suggested Resale Price Sheet No. 37
Effective Date: June 15, 2000
Supersedes Distributor Net Price Sheet
No. 36 Dated May 15,1997

Symbol legend:
N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
57277	**2320P144D**	86	Cord Set, 100' #14/4 SOW-A, #2420-C	**194.65**	ea	2	A	23.17	6	1	
58601	**2320-PW**	78	Plug Cap, NEMA L14-20P, 20A-125/250V	**24.87**	ea	2	A	0.5	50	10	S
57278	**2320PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2420-CW	**102.65**	ea	2	A	8.83	6	1	
57279	**2320PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2420-CW	**150.61**	ea	2	A	16.33	6	1	
57280	**2320PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2420-CW	**246.53**	ea	2	A	31.17	6	1	
57281	**2320PW144A**	79	Cord Set, 25' #14/4 SOW-A, #2420-CW	**92.78**	ea	2	A	7	6	1	
57282	**2320PW144B**	79	Cord Set, 50' #14/4 SOW-A, #2420-CW	**130.00**	ea	2	A	12.5	6	1	
57283	**2320PW144D**	79	Cord Set, 100' #14/4 SOW-A, #2420-CW	**204.29**	ea	2	A	23.5	6	1	
58604	**2322-P**	86	Plug Cap, NEMA L15-20P, 20A-250V, 3ĩ	**17.80**	ea	2	A	0.4	50	10	S
57284	**2322P124A**	86	Cord Set, 25' #12/4 SOW-A, #2422-C	**91.43**	ea	2	A	8.5	6	1	
57285	**2322P124B**	86	Cord Set, 50' #12/4 SOW-A, #2422-C	**139.87**	ea	2	A	16	6	1	
57286	**2322P124D**	86	Cord Set, 100' #12/4 SOW-A, #2422-C	**235.31**	ea	2	A	30.83	6	1	
57287	**2322P144A**	86	Cord Set, 25' #14/4 SOW-A, #2422-C	**81.22**	ea	2	A	6.67	6	1	
57288	**2322P144B**	86	Cord Set, 50' #14/4 SOW-A, #2422-C	**118.88**	ea	2	A	12.17	6	1	
57289	**2322P144D**	86	Cord Set, 100' #14/4 SOW-A, #2422-C	**194.65**	ea	2	A	23.17	6	1	
58605	**2322-PW**	78	Plug Cap, NEMA L15-20P, 20A-250V, 3ĩ	**24.87**	ea	2	A	0.5	50	10	S
57290	**2322PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2422-CW	**102.65**	ea	2	A	8.83	6	1	
57291	**2322PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2422-CW	**150.61**	ea	2	A	16.33	6	1	
57292	**2322PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2422-CW	**246.53**	ea	2	A	31.17	6	1	
57293	**2322PW144A**	79	Cord Set, 25' #14/4 SOW-A, #2422-CW	**92.35**	ea	2	A	7	6	1	
57294	**2322PW144B**	79	Cord Set, 50' #14/4 SOW-A, #2422-CW	**130.00**	ea	2	A	12.5	6	1	
57295	**2322PW144D**	79	Cord Set, 100' #14/4 SOW-A, #2422-CW	**204.29**	ea	2	A	23.5	6	1	
58608	**2324-P**	86	Plug Cap, NEMA L16-20P, 20A-480V 3ĩ	**18.16**	ea	2	A	0.4	50	10	S
57296	**2324P124A**	86	Cord Set, 25' #12/4 SOW-A, #2424-C	**91.43**	ea	2	A	8.5	6	1	
57297	**2324P124B**	86	Cord Set, 50' #12/4 SOW-A, #2424-C	**139.29**	ea	2	A	16	6	1	
57298	**2324P124D**	86	Cord Set, 100' #12/4 SOW-A, #2424-C	**235.31**	ea	2	A	30.83	6	1	
57299	**2324P144A**	86	Cord Set, 25' #14/4 SOW-A, #2424-C	**81.22**	ea	2	A	6.67	6	1	
57300	**2324P144B**	86	Cord Set, 50' #14/4 SOW-A, #2424-C	**118.88**	ea	2	A	12.17	6	1	
57301	**2324P144D**	86	Cord Set, 100' #14/4 SOW-A, #2424-C	**194.65**	ea	2	A	23.17	6	1	
58609	**2324-PW**	78	Plug Cap, NEMA L16-20P, 20A-480V 3ĩ	**24.87**	ea	2	A	0.5	50	10	S
57302	**2324PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2424-CW	**102.65**	ea	2	A	8.83	6	1	
57303	**2324PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2424-CW	**150.61**	ea	2	A	16.33	6	1	
57304	**2324PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2424-CW	**246.53**	ea	2	A	31.17	6	1	
57305	**2324PW144A**	79	Cord Set, 25' #14/4 SOW-A, #2424-CW	**92.35**	ea	2	A	7	6	1	
57306	**2324PW144B**	79	Cord Set, 50' #14/4 SOW-A, #2424-CW	**130.00**	ea	2	A	12.5	6	1	
57307	**2324PW144D**	79	Cord Set, 100' #14/4 SOW-A, #2424-CW	**204.29**	ea	2	A	23.5	6	1	
56132	**2325**	53	2300 w/ 25' 16/3 Cord and NEMA 5-15 plug	**308.27**	ea	2	B	8	1	1	
56133	**2350**	53	2300 w/ 50' 16/3 Cord and NEMA 5-15 plug	**335.71**	ea	2	B	10	1	1	S
80242	**23P02**	179	MIC, 3 pole DC sngl key male str 2m	**10.15**	ea	2	C		1	1	N
80243	**23P04**	179	MIC, 3 pole DC sngl key male str 4m	**12.62**	ea	2	C		1	1	N
80244	**23P05**	179	MIC, 3 pole DC sngl key male str 5m	**13.72**	ea	2	C		1	1	N
80272	**23P3P02**	181	MIC, 3 pole DC sngl key str male/str male 2m	**14.86**	ea	2	C		1	1	N
80273	**23P3P04**	181	MIC, 3 pole DC sngl key str male/str male 4m	**17.36**	ea	2	C		1	1	N
80274	**23P3P05**	181	MIC, 3 pole DC sngl key str male/str male 5m	**18.72**	ea	2	C		1	1	N
80275	**23P3S02**	180	MIC, 3 pole DC sngl key str male/str fem 2m	**16.95**	ea	2	C		1	1	N
80308	**23P3S02-09**	180	MIC, 3 pole DC sngl key str male/90d fem 2m	**16.98**	ea	2	C		1	1	N
80276	**23P3S04**	180	MIC, 3 pole DC sngl key str male/str fem 4m	**19.38**	ea	2	C		1	1	N
80309	**23P3S04-09**	180	MIC, 3 pole DC sngl key str male/90d fem 4m	**18.68**	ea	2	C		1	1	N
80277	**23P3S05**	180	MIC, 3 pole DC sngl key str male/str fem 5m	**20.80**	ea	2	C		1	1	N
80310	**23P3S05-09**	180	MIC, 3 pole DC sngl key str male/90d fem 5m	**20.83**	ea	2	C		1	1	N
80245	**23S02**	179	MIC, 3 pole DC sngl key fem str 2m	**12.23**	ea	2	C		1	1	N
80263	**23S02-90**	179	MIC, 3 pole DC sngl key 90d fem 2m	**12.08**	ea	2	C		1	1	N
80246	**23S04**	179	MIC, 3 pole DC sngl key fem str 4m	**14.70**	ea	2	C		1	1	N
80264	**23S04-90**	179	MIC, 3 pole DC sngl key 90d fem 4m	**13.75**	ea	2	C		1	1	N
80247	**23S05**	179	MIC, 3 pole DC sngl key fem str 5m	**15.80**	ea	2	C		1	1	N
80265	**23S05-90**	179	MIC, 3 pole DC sngl key 90d fem 5m	**15.93**	ea	2	C		1	1	N
80278	**23S3S02**	181	MIC, 3 pole DC sngl key str fem/str fem 2m	**18.98**	ea	2	C		1	1	N
80311	**23S3S02-09**	181	MIC, 3 pole DC sngl key str fem/90d fem 2m	**18.99**	ea	2	C		1	1	N
80299	**23S3S02-99**	181	MIC, 3 pole DC sngl key 90d fem/90d fem 2m	**19.10**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37											
80279	**23S3S04**	181	MIC, 3 pole DC sngl key str fem/str fem 4m	**21.45**	ea	2	C		1	1	N
80312	**23S3S04-09**	181	MIC, 3 pole DC sngl key str fem/90d fem 4m	**19.43**	ea	2	C		1	1	N
80300	**23S3S04-99**	181	MIC, 3 pole DC sngl key 90d fem/90d fem 4m	**21.53**	ea	2	C		1	1	N
80280	**23S3S05**	181	MIC, 3 pole DC sngl key str fem/str fem 5m	**22.83**	ea	2	C		1	1	N
80313	**23S3S05-09**	181	MIC, 3 pole DC sngl key str fem/90d fem 5m	**22.85**	ea	2	C		1	1	N
80301	**23S3S05-99**	181	MIC, 3 pole DC sngl key 90d fem/90d fem 5m	**22.96**	ea	2	C		1	1	N
56135	**2400**	53	13W, 120V, 50/60Hz, w/ bulb, no cord	**307.86**	ea	2	B	5	1	1	S
56138	**2401**	53	Guard/Globe assy w/ hook for 2400 or 2500	**222.25**	ea	7	C	3	1	1	
54025	**2402**	53	Lamp, 13W	**19.83**	ea	7	C	1	1	1	
56139	**2403**	53	Handle Assembly w/ Socket, 13 watt	**195.50**	ea	7	C	2	1	1	
56350	**2410-C**	86	Connector, NEMA L5-20R, 20A-125V	**17.86**	ea	2	A	0.5	50	10	S
49017	**2410-CG**	83	Connector, NEMA L5-20R, 20A-125V	**18.69**	ea	2	A	0.5	50	10	S
50241	**2410-CM**	89	Connector (GCM), NEMA L5-20R, 20A-125V	**40.54**	ea	2	A	0.52	50	10	S
50242	**2410CM123A**	87	Cord Set, 25' #12/3 SOW-A, #2310-P	**84.96**	ea	2	A	8	6	1	
50243	**2410CM123B**	87	Cord Set, 50' #12/3 SOW-A, #2310-P	**120.31**	ea	2	A	14	6	1	
50244	**2410CM123D**	87	Cord Set, 100' #12/3 SOW-A, #2310-P	**191.22**	ea	2	A	27	6	1	
50245	**2410CM143A**	87	Cord Set, 25' #14/3 SOW-A, #2310-P	**77.96**	ea	2	A	6	6	1	
50246	**2410CM143B**	87	Cord Set, 50' #14/3 SOW-A, #2310-P	**106.38**	ea	2	A	11	6	1	
50247	**2410CM143D**	87	Cord Set, 100' #14/3 SOW-A, #2310-P	**163.16**	ea	2	A	20	6	1	
56352	**2410-CW**	78	Connector, NEMA L5-20R, 20A-125V	**27.13**	ea	2	A	0.76	50	10	S
56355	**2412-C**	86	Connector, NEMA L6-20R, 20A-250V	**17.84**	ea	2	A	0.5	50	10	S
49018	**2412-CG**	83	Connector, NEMA L6-20R, 20A-250V	**18.69**	ea	2	A	0.5	50	10	
56357	**2412-CW**	78	Connector, NEMA L6-20R, 20A-250V	**27.13**	ea	2	A	0.76	50	10	S
56360	**2414-C**	86	Connector, NEMA L7-20R, 20A-277V	**17.84**	ea	2	A	0.5	50	10	
56362	**2414-CW**	78	Connector, NEMA L7-20R, 20A-277V	**27.20**	ea	2	A	0.76	50	10	
56365	**2416-C**	86	Connector, NON-NEMA, 20A-125/250V	**18.56**	ea	2	A	0.5	50	10	S
49019	**2416-CG**	83	Connector, NON-NEMA, 20A-125/250V	**19.36**	ea	2	A	0.5	50	10	
56367	**2416-CW**	78	Connector, NON-NEMA, 20A-125/250V	**28.33**	ea	2	A	0.76	50	10	S
56392	**2417-C**	86	Connector, NON-NEMA, 20A-250V/10A-600V	**19.73**	ea	2	A	0.5	50	10	S
56393	**2417-CW**	78	Connector, NON-NEMA, 20A-250V/10A-600V	**30.26**	ea	2	A	0.76	50	10	
58612	**2420-C**	86	Connector, NEMA L14-20R, 20A-125/250V	**24.13**	ea	2	A	0.54	50	10	S
58613	**2420-CW**	78	Connector, NEMA L14-20R, 20A-125/250V	**32.81**	ea	2	A	0.8	50	10	S
58614	**2422-C**	86	Connector, NEMA L15-20R, 20A-250V, 3ĺ	**24.13**	ea	2	A	0.54	50	10	
58615	**2422-CW**	78	Connector, NEMA L15-20R, 20A-250V, 3 phs	**32.81**	ea	2	A	0.8	50	10	S
58618	**2424-C**	86	Connector, NEMA L16-20R, 20A-480V, 3 phs	**24.13**	ea	2	A	0.54	50	10	S
58619	**2424-CW**	78	Connector, NEMA L16-20R, 20A-480V, 3 phs	**32.81**	ea	2	A	0.8	50	10	S
56136	**2425**	53	2400 w/ 25' 16/3 cord & NEMA 5-15 plug	**360.82**	ea	2	B	8	1	1	
56137	**2450**	53	2400 w/ 50' 16/3 cord & NEMA 5-15 plug	**387.33**	ea	2	B	10	1	1	
80248	**24P02**	179	MIC, 4 pole DC sngl key male str 2m	**12.32**	ea	2	C		1	1	N
80249	**24P04**	179	MIC, 4 pole DC sngl key male str 4m	**15.55**	ea	2	C		1	1	N
80250	**24P05**	179	MIC, 4 pole DC sngl key male str 5m	**17.32**	ea	2	C		1	1	N
80281	**24P4P02**	181	MIC, 4 pole DC sngl key str male/str male 2m	**18.12**	ea	2	C		1	1	N
80282	**24P4P04**	181	MIC, 4 pole DC sngl key str male/str male 4m	**21.36**	ea	2	C		1	1	N
80283	**24P4P05**	181	MIC, 4 pole DC sngl key str male/str male 5m	**22.26**	ea	2	C		1	1	N
80284	**24P4S02**	180	MIC, 4 pole DC sngl key str male/str fem 2m	**19.96**	ea	2	C		1	1	N
80314	**24P4S02-09**	180	MIC, 4 pole DC sngl key str male/90d fem 2m	**19.96**	ea	2	C		1	1	N
80285	**24P4S04**	180	MIC, 4 pole DC sngl key str male/str fem 4m	**23.20**	ea	2	C		1	1	N
80315	**24P4S04-09**	180	MIC, 4 pole DC sngl key str male/90d fem 4m	**23.22**	ea	2	C		1	1	N
80286	**24P4S05**	180	MIC, 4 pole DC sngl key str male/str fem 5m	**24.10**	ea	2	C		1	1	N
80316	**24P4S05-09**	180	MIC, 4 pole DC sngl key str male/90d fem 5m	**24.10**	ea	2	C		1	1	N
80251	**24S02**	179	MIC, 4 pole DC sngl key fem str 2m	**14.13**	ea	2	C		1	1	N
80266	**24S02-90**	179	MIC, 4 pole DC sngl key 90d fem 2m	**14.20**	ea	2	C		1	1	N
80252	**24S04**	179	MIC, 4 pole DC sngl key fem str 4m	**17.39**	ea	2	C		1	1	N
80267	**24S04-90**	179	MIC, 4 pole DC sngl key 90d fem 4m	**17.46**	ea	2	C		1	1	N
80253	**24S05**	179	MIC, 4 pole DC sngl key fem str 5m	**19.13**	ea	2	C		1	1	N
80268	**24S05-90**	179	MIC, 4 pole DC sngl key 90d fem 5m	**18.35**	ea	2	C		1	1	N
80287	**24S4S02**	181	MIC, 4 pole DC sngl key str fem/str fem 2m	**21.70**	ea	2	C		1	1	N
80317	**24S4S02-09**	181	MIC, 4 pole DC sngl key str fem/90d fem 2m	**21.70**	ea	2	C		1	1	N
80302	**24S4S02-99**	181	MIC, 4 pole DC sngl key 90d fem/90d fem 2m	**21.85**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80288	**24S4S04**	181	MIC, 4 pole DC sngl key str fem/str fem 4m	**24.95**	ea	2	C		1	1	N
80318	**24S4S04-09**	181	MIC, 4 pole DC sngl key str fem/90d fem 4m	**24.96**	ea	2	C		1	1	N
80303	**24S4S04-99**	181	MIC, 4 pole DC sngl key 90d fem/90d fem 4m	**25.10**	ea	2	C		1	1	N
80289	**24S4S05**	181	MIC, 4 pole DC sngl key str fem/str fem 5m	**25.85**	ea	2	C		1	1	N
80319	**24S4S05-09**	181	MIC, 4 pole DC sngl key str fem/90d fem 5m	**25.85**	ea	2	C		1	1	N
80304	**24S4S05-99**	181	MIC, 4 pole DC sngl key 90d fem/90d fem 5m	**25.99**	ea	2	C		1	1	N
59077	**2500**	53	26W, 120V, 50/60Hz, w/ bulb, no cord	**408.57**	ea	2	B	5	1	1	S
59080	**2502**	53	Fluor lamp, 26Watt	**23.82**	ea	7	C	1	1	1	
59081	**2503**	53	Handle Assembly with Socket, 26 watt	**265.00**	ea	7	C	2	1	1	
56370	**2510-P**	86	Plug Cap, NEMA L5-30P, 30A-125V	**17.24**	ea	2	A	0.36	50	10	S
57320	**2510P103A**	86	Cord Set, 25' #10/3 SOW-A, #2610-C	**96.46**	ea	2	A	8.83	6	1	
57321	**2510P103B**	86	Cord Set, 50' #10/3 SOW-A, #2610-C	**141.92**	ea	2	A	16.67	6	1	
57322	**2510P103D**	86	Cord Set, 100' #10/3 SOW-A, #2610-C	**232.73**	ea	2	A	32.67	6	1	
57323	**2510P123A**	86	Cord Set, 25' #12/3 SOW-A, #2610-C	**82.93**	ea	2	A	8	6	1	
57324	**2510P123B**	86	Cord Set, 50' #12/3 SOW-A, #2610-C	**117.98**	ea	2	A	14	6	1	
57325	**2510P123D**	86	Cord Set, 100' #12/3 SOW-A, #2610-C	**188.08**	ea	2	A	27	6	1	
49020	**2510-PG**	83	Plug Cap, NEMA L5-30P, 30A-125V	**18.21**	ea	2	A	0.36	50	10	
82226	**2510PG103A**	83	Cord Set, 25' #10/3 SOW-A, #2610-CG	**96.46**	ea	2	A	9.17	6	1	
82227	**2510PG103B**	83	Cord Set, 50' #10/3 SOW-A, #2610-CG	**141.92**	ea	2	A	17	6	1	
82228	**2510PG103D**	83	Cord Set, 100' #10/3 SOW-A, #2610-CG	**232.73**	ea	2	A	32.5	6	1	
82229	**2510PG123A**	83	Cord Set, 25' #12/3 SOW-A, #2610-CG	**82.93**	ea	2	A	8.33	6	1	
82230	**2510PG123B**	83	Cord Set, 50' #12/3 SOW-A, #2610-CG	**117.98**	ea	2	A	14.33	6	1	
82231	**2510PG123D**	83	Cord Set, 100' #12/3 SOW-A, #2610-CG	**188.08**	ea	2	A	27.33	6	1	
56371	**2510-PW**	78	Plug Cap, NEMA L5-30P, 30A-125V	**24.03**	ea	2	A	0.46	50	10	S
57326	**2510PW103A**	79	Cord Set, 25' #10/3 SOW-A, #2610-CW	**108.67**	ea	2	A	9.17	6	1	
57327	**2510PW103B**	79	Cord Set, 50' #10/3 SOW-A, #2610-CW	**154.59**	ea	2	A	17	6	1	
57328	**2510PW103D**	79	Cord Set, 100' #10/3 SOW-A, #2610-CW	**246.38**	ea	2	A	32.5	6	1	
57329	**2510PW123A**	79	Cord Set, 25' #12/3 SOW-A, #2610-CW	**95.06**	ea	2	A	8.33	6	1	
57330	**2510PW123B**	79	Cord Set, 50' #12/3 SOW-A, #2610-CW	**130.41**	ea	2	A	14.33	6	1	
57331	**2510PW123D**	79	Cord Set, 100' #12/3 SOW-A, #2610-CW	**201.28**	ea	2	A	27.33	6	1	
56372	**2512-P**	86	Plug Cap, NEMA L6-30P, 30A-250V	**17.42**	ea	2	A	0.36	50	10	S
57332	**2512P103A**	86	Cord Set, 25' #10/3 SOW-A, #2612-C	**97.45**	ea	2	A	8.83	6	1	
57333	**2512P103B**	86	Cord Set, 50' #10/3 SOW-A, #2612-C	**143.37**	ea	2	A	16.67	6	1	
57334	**2512P103D**	86	Cord Set, 100' #10/3 SOW-A, #2612C	**235.10**	ea	2	A	32.17	6	1	
57335	**2512P123A**	86	Cord Set, 25' #12/3 SOW-A, #2612-C	**83.78**	ea	2	A	8	6	1	
57336	**2512P123B**	86	Cord Set, 50' #12/3 SOW-A, #2612-C	**119.18**	ea	2	A	14	6	1	
57337	**2512P123D**	86	Cord Set, 100' #12/3 SOW-A, #2612-C	**190.00**	ea	2	A	27	6	1	
49021	**2512-PG**	83	Plug Cap, NEMA L6-30P, 30A-250V	**18.29**	ea	2	A	0.36	50	10	
82232	**2512PG103A**	83	Cord Set, 25' #10/3 SOW-A, #2612-CG	**97.45**	ea	2	A	9.17	6	1	
82233	**2512PG103B**	83	Cord Set, 50' #10/3 SOW-A, #2612-CG	**143.37**	ea	2	A	17	6	1	
82234	**2512PG103D**	83	Cord Set, 100' #10/3 SOW-A, #2612-CG	**235.10**	ea	2	A	32.5	6	1	
82235	**2512PG123A**	83	Cord Set, 25' #12/3 SOW-A, #2612-CG	**83.78**	ea	2	A	8.33	6	1	
82236	**2512PG123B**	83	Cord Set, 50' #12/3 SOW-A, #2612-CG	**119.18**	ea	2	A	14.33	6	1	
82237	**2512PG123D**	83	Cord Set, 100' #12/3 SOW-A, #2612-CG	**190.00**	ea	2	A	27.33	6	1	
56373	**2512-PW**	78	Plug Cap, NEMA L6-30P, 30A-250V	**24.52**	ea	2	A	0.46	50	10	S
57338	**2512PW103A**	79	Cord Set, 25' #10/3 SOW-A, #2612-CW	**108.67**	ea	2	A	9.17	6	1	
57339	**2512PW103B**	79	Cord Set, 50' #10/3 SOW-A, #2612-CW	**154.59**	ea	2	A	17	6	1	
57340	**2512PW103D**	79	Cord Set, 100' #10/3 SOW-A, #2612-CW	**246.38**	ea	2	A	32.5	6	1	
57341	**2512PW123A**	79	Cord Set, 25' #12/3 SOW-A, #2612-CW	**95.06**	ea	2	A	8.33	6	1	
57342	**2512PW123B**	79	Cord Set, 50' #12/3 SOW-A, #2612-CW	**130.41**	ea	2	A	14.33	6	1	
57343	**2512PW123D**	79	Cord Set, 100' #12/3 SOW-A, #2612-CW	**201.28**	ea	2	A	27.33	6	1	
56374	**2514-P**	86	Plug Cap, NEMA L7-30P, 30A-277V	**17.42**	ea	2	A	0.36	50	10	S
57344	**2514P103A**	86	Cord Set, 25' #10/3 SOW-A, #2614-C	**97.45**	ea	2	A	8.83	6	1	
57345	**2514P103B**	86	Cord Set, 50' #10/3 SOW-A, #2614-C	**143.37**	ea	2	A	16.67	6	1	
57346	**2514P103D**	86	Cord Set, 100' #10/3 SOW-A, #2614-C	**235.10**	ea	2	A	32.17	6	1	
57347	**2514P123A**	86	Cord Set, 25' #12/3 SOW-A, #2614-C	**83.78**	ea	2	A	8	6	1	
57348	**2514P123B**	86	Cord Set, 50' #12/3 SOW-A, #2614-C	**119.18**	ea	2	A	14	6	1	
57349	**2514P123D**	86	Cord Set, 100' #12/3 SOW-A, #2614-C	**190.00**	ea	2	A	27	6	1	
56375	**2514-PW**	78	Plug Cap, NEMA L7-30P, 30A-277V	**24.52**	ea	2	A	0.46	50	10	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:
N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
57350	**2514PW103A**	79	Cord Set, 25' #10/3 SOW-A, #2614-CW	**108.67**	ea	2	A	9.17	6	1	
57351	**2514PW103B**	79	Cord Set, 50' #10/3 SOW-A, #2614-CW	**154.59**	ea	2	A	17	6	1	
57352	**2514PW103D**	79	Cord Set, 100' #10/3 SOW-A, #2614-CW	**246.38**	ea	2	A	32.5	6	1	
57353	**2514PW123A**	79	Cord Set, 25' #12/3 SOW-A, #2614-CW	**95.06**	ea	2	A	8.33	6	1	
57354	**2514PW123B**	79	Cord Set, 50' #12/3 SOW-A, #2614-CW	**130.41**	ea	2	A	14.33	6	1	
57355	**2514PW123D**	79	Cord Set, 100' #12/3 SOW-A, #2614-CW	**201.28**	ea	2	A	27.33	6	1	
56394	**2516-P**	86	Plug Cap, NON-NEMA, 30A-125/250V	**18.10**	ea	2	A	0.54	50	10	S
49022	**2516-PG**	83	Plug Cap, NON-NEMA, 30A-125/250V	**19.02**	ea	2	A	0.54	50	10	
56395	**2516-PW**	78	Plug Cap, NON-NEMA, 30A-125/250V	**25.19**	ea	2	A	0.8	50	10	S
58622	**2520-P**	86	Plug Cap, NEMA L14-30P, 30A-125/250V	**23.73**	ea	2	A	0.4	50	10	S
57356	**2520P104A**	86	Cord Set, 25' #10/4 SOW-A, #2620-C	**118.78**	ea	2	A	10.67	6	1	
57357	**2520P104B**	86	Cord Set, 50' #10/4 SOW-A, #2620-C	**173.06**	ea	2	A	20.33	6	1	
57358	**2520P104D**	86	Cord Set, 100' #10/4 SOW-A, #2620-C	**280.61**	ea	2	A	39.5	6	1	
57359	**2520P124A**	86	Cord Set, 25' #12/4 SOW-A, #2620-C	**112.55**	ea	2	A	8.5	6	1	
57360	**2520P124B**	86	Cord Set, 50' #12/4 SOW-A, #2620-C	**160.47**	ea	2	A	16	6	1	
57361	**2520P124D**	86	Cord Set, 100' #12/4 SOW-A, #2620-C	**256.43**	ea	2	A	30.83	6	1	
58623	**2520-PW**	78	Plug Cap, NEMA L14-30P, 30A-125/250V	**31.15**	ea	2	A	0.6	50	10	S
57362	**2520PW104A**	79	Cord Set, 25' #10/4 SOW-A, #2620-CW	**127.30**	ea	2	A	11.17	6	1	
57363	**2520PW104B**	79	Cord Set, 50' #10/4 SOW-A, #2620-CW	**181.43**	ea	2	A	20.83	6	1	
57364	**2520PW104D**	79	Cord Set, 100' #10/4 SOW-A, #2620-CW	**290.00**	ea	2	A	40	6	1	
57365	**2520PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2620-CW	**121.02**	ea	2	A	9	6	1	
57366	**2520PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2620-CW	**168.98**	ea	2	A	16.5	6	1	
57367	**2520PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2620-CW	**264.90**	ea	2	A	31.33	6	1	
58626	**2522-P**	86	Plug Cap, NEMA L15-30P, 30A-250V, 3ł	**23.73**	ea	2	A	0.4	50	10	S
57368	**2522P104A**	86	Cord Set, 25' #10/4 SOW-A, #2622-C	**118.78**	ea	2	A	10.67	6	1	
57369	**2522P104B**	86	Cord Set, 50' #10/4 SOW-A, #2622-C	**173.06**	ea	2	A	20.33	6	1	
57370	**2522P104D**	86	Cord Set, 100' #10/4 SOW-A, #2622-C	**280.61**	ea	2	A	39.5	6	1	
57371	**2522P124A**	86	Cord Set, 25' #12/4 SOW-A, #2622-C	**112.55**	ea	2	A	8.5	6	1	
57372	**2522P124B**	86	Cord Set, 50' #12/4 SOW-A, #2622-C	**160.47**	ea	2	A	16	6	1	
57373	**2522P124D**	86	Cord Set, 100' #12/4 SOW-A, #2622-C	**256.43**	ea	2	A	30.83	6	1	
58627	**2522-PW**	78	Plug Cap, NEMA L15-30P, 30A-250V, 3 phs	**30.99**	ea	2	A	0.6	50	10	S
57374	**2522PW104A**	79	Cord Set, 25' #10/4 SOW-A, #2622-CW	**126.02**	ea	2	A	11.17	6	1	
57375	**2522PW104B**	79	Cord Set, 50' #10/4 SOW-A, #2622-CW	**179.60**	ea	2	A	20.83	6	1	
57376	**2522PW104D**	79	Cord Set, 100' #10/4 SOW-A, #2622-CW	**287.07**	ea	2	A	40	6	1	
57377	**2522PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2622-CW	**119.80**	ea	2	A	9	6	1	
57378	**2522PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2622-CW	**167.27**	ea	2	A	16.5	6	1	
57379	**2522PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2622-CW	**262.22**	ea	2	A	31.33	6	1	
58630	**2524-P**	86	Plug Cap, NEMA L16-30P, 30A-480V, 3 phs	**23.49**	ea	2	A	0.4	50	10	S
57380	**2524P104A**	86	Cord Set, 25' #10/4 SOW-A, #2624-C	**117.58**	ea	2	A	10.67	6	1	
57381	**2524P104B**	86	Cord Set, 50' #10/4 SOW-A, #2624-C	**171.31**	ea	2	A	20.33	6	1	
57382	**2524P104D**	86	Cord Set, 100' #10/4 SOW-A, #2624-C	**277.78**	ea	2	A	39.5	6	1	
57383	**2524P124A**	86	Cord Set, 25' #12/4 SOW-A, #2624-C	**111.41**	ea	2	A	8.5	6	1	
57384	**2524P124B**	86	Cord Set, 50' #12/4 SOW-A, #2624-C	**158.85**	ea	2	A	16	6	1	
57385	**2524P124D**	86	Cord Set, 100' #12/4 SOW-A, #2624-C	**253.84**	ea	2	A	30.83	6	1	
58631	**2524-PW**	78	Plug Cap, NEMA L16-30P, 30A-480V, 3 phs	**30.99**	ea	2	A	0.6	50	10	S
57386	**2524PW104A**	79	Cord Set, 25' #10/4 SOW-A, #2624-CW	**126.02**	ea	2	A	11.17	6	1	
57387	**2524PW104B**	79	Cord Set, 50' #10/4 SOW-A, #2624-CW	**179.60**	ea	2	A	20.83	6	1	
57388	**2524PW104D**	79	Cord Set, 100' #10/4 SOW-A, #2624-CW	**287.07**	ea	2	A	40	6	1	
57389	**2524PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2624-CW	**119.80**	ea	2	A	9	6	1	
57390	**2524PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2624-CW	**167.27**	ea	2	A	16.5	6	1	
57391	**2524PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2624-CW	**262.22**	ea	2	A	31.33	6	1	
59078	**2525**	53	2500 w/ 25' 16/3 cord & NEMA 5-15 plug	**463.16**	ea	2	B	8	1	1	
58634	**2526-P**	86	Plug Cap, NEMA L17-30P, 30A-600V, 3 phs	**23.49**	ea	2	A	0.4	50	10	S
57392	**2526P104A**	86	Cord Set, 25' #10/4 SOW-A, #2626-C	**117.58**	ea	2	A	10.67	6	1	
57393	**2526P104B**	86	Cord Set, 50' #10/4 SOW-A, #2626-C	**171.31**	ea	2	A	20.33	6	1	
57394	**2526P104D**	86	Cord Set, 100' #10/4 SOW-A, #2626-C	**277.78**	ea	2	A	39.5	6	1	
57395	**2526P124A**	86	Cord Set, 25' #12/4 SOW-A, #2626-C	**111.41**	ea	2	A	8.5	6	1	
57396	**2526P124B**	86	Cord Set, 50' #12/4 SOW-A, #2626-C	**158.85**	ea	2	A	16	6	1	
57397	**2526P124D**	86	Cord Set, 100' #12/4 SOW-A, #2626-C	**253.84**	ea	2	A	30.83	6	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
58635	**2526-PW**	78	Plug Cap, NEMA L17-30P, 30A-600V, 3 phs	**30.84**	ea	2	A	0.6	50	10	S
57398	**2526PW104A**	79	Cord Set, 25' #10/4 SOW-A, #2626-CW	**126.02**	ea	2	A	11.17	6	1	
57399	**2526PW104B**	79	Cord Set, 50' #10/4 SOW-A, #2626-CW	**179.60**	ea	2	A	20.83	6	1	
57400	**2526PW104D**	79	Cord Set, 100' #10/4 SOW-A, #2626-CW	**287.07**	ea	2	A	40	6	1	
57401	**2526PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2626-CW	**119.62**	ea	2	A	9	6	1	
57402	**2526PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2626-CW	**167.27**	ea	2	A	16.5	6	1	
57403	**2526PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2626-CW	**262.22**	ea	2	A	31.33	6	1	
58662	**2528-P**	86	Plug Cap, NON-NEMA, 30A-120/20V, 3 phs	**21.93**	ea	2	A	0.4	50	10	
58663	**2528-PW**	78	Plug Cap, NON-NEMA, 30A-120/20V, 3 phs	**29.00**	ea	2	A	0.6	50	10	S
58660	**2530-P**	86	Plug Cap, NEMA L18-30P, 30A-120/208V, 3 phs	**23.42**	ea	2	A	0.4	50	10	S
57404	**2530P104A**	86	Cord Set, 25' #10/4 SOW-A, #2630-C	**115.30**	ea	2	A	10.67	6	1	
57405	**2530P104B**	86	Cord Set, 50' #10/4 SOW-A, #2630-C	**169.19**	ea	2	A	20.33	6	1	
57406	**2530P104D**	86	Cord Set, 100' #10/4 SOW-A, #2630-C	**276.57**	ea	2	A	39.5	6	1	
57407	**2530P124A**	86	Cord Set, 25' #12/4 SOW-A, #2630-C	**109.29**	ea	2	A	8.5	6	1	
57408	**2530P124B**	86	Cord Set, 50' #12/4 SOW-A, #2630-C	**156.72**	ea	2	A	16	6	1	
57409	**2530P124D**	86	Cord Set, 100' #12/4 SOW-A, #2630-C	**251.72**	ea	2	A	30.83	6	1	
58661	**2530-PW**	78	Plug Cap, NEMA L18-30P, 30A-120/208V, 3 phs	**31.27**	ea	2	A	0.6	50	10	S
57410	**2530PW104A**	79	Cord Set, 25' #10/4 SOW-A, #2630-CW	**124.00**	ea	2	A	11.17	6	1	
57411	**2530PW104B**	79	Cord Set, 50' #10/4 SOW-A, #2630-CW	**177.68**	ea	2	A	20.83	6	1	
57412	**2530PW104D**	79	Cord Set, 100' #10/4 SOW-A, #2630-CW	**284.95**	ea	2	A	40	6	1	
57413	**2530PW124A**	79	Cord Set, 25' #12/4 SOW-A, #2630-CW	**117.68**	ea	2	A	9	6	1	
57414	**2530PW124B**	79	Cord Set, 50' #12/4 SOW-A, #2630-CW	**165.15**	ea	2	A	16.5	6	1	
57415	**2530PW124D**	79	Cord Set, 100' #12/4 SOW-A, #2630-CW	**260.20**	ea	2	A	31.33	6	1	
59079	**2550**	53	2500 w/ 50' 16/3 cord & NEMA 5-15 plug	**490.23**	ea	2	B	10	1	1	
80254	**25P02**	179	MIC, 5 pole DC sngl key male str 2m	**14.13**	ea	2	C		1	1	N
80255	**25P04**	179	MIC, 5 pole DC sngl key male str 4m	**17.99**	ea	2	C		1	1	N
80256	**25P05**	179	MIC, 5 pole DC sngl key male str 5m	**20.56**	ea	2	C		1	1	N
80290	**25P5P02**	181	MIC, 5 pole DC sngl key str male/str male 2m	**21.13**	ea	2	C		1	1	N
80291	**25P5P04**	181	MIC, 5 pole DC sngl key str male/str male 4m	**25.00**	ea	2	C		1	1	N
80292	**25P5P05**	181	MIC, 5 pole DC sngl key str male/str male 5m	**26.13**	ea	2	C		1	1	N
80293	**25P5S02**	180	MIC, 5 pole DC sngl key str male/str fem 2m	**23.83**	ea	2	C		1	1	N
80320	**25P5S02-09**	180	MIC, 5 pole DC sngl key str male/90d fem 2m	**23.88**	ea	2	C		1	1	N
80294	**25P5S04**	180	MIC, 5 pole DC sngl key str male/str fem 4m	**27.69**	ea	2	C		1	1	N
80321	**25P5S04-09**	180	MIC, 5 pole DC sngl key str male/90d fem 4m	**27.75**	ea	2	C		1	1	N
80295	**25P5S05**	180	MIC, 5 pole DC sngl key str male/str fem 5m	**28.83**	ea	2	C		1	1	N
80322	**25P5S05-09**	180	MIC, 5 pole DC sngl key str male/90d fem 5m	**28.88**	ea	2	C		1	1	N
80257	**25S02**	179	MIC, 5 pole DC sngl key fem str 2m	**16.80**	ea	2	C		1	1	N
80269	**25S02-90**	179	MIC, 5 pole DC sngl key 90d fem 2m	**16.90**	ea	2	C		1	1	N
80258	**25S04**	179	MIC, 5 pole DC sngl key fem str 4m	**20.66**	ea	2	C		1	1	N
80270	**25S04-90**	179	MIC, 5 pole DC sngl key 90d fem 4m	**20.76**	ea	2	C		1	1	N
80259	**25S05**	179	MIC, 5 pole DC sngl key fem str 5m	**23.23**	ea	2	C		1	1	N
80271	**25S05-90**	179	MIC, 5 pole DC sngl key 90d fem 5m	**21.90**	ea	2	C		1	1	N
80296	**25S5S02**	181	MIC, 5 pole DC sngl key str fem/str fem 2m	**26.46**	ea	2	C		1	1	N
80323	**25S5S02-09**	181	MIC, 5 pole DC sngl key str fem/90d fem 2m	**26.48**	ea	2	C		1	1	N
80305	**25S5S02-99**	181	MIC, 5 pole DC sngl key 90d fem/90d fem 2m	**26.65**	ea	2	C		1	1	N
80297	**25S5S04**	181	MIC, 5 pole DC sngl key str fem/str fem 4m	**30.32**	ea	2	C		1	1	N
80324	**25S5S04-09**	181	MIC, 5 pole DC sngl key str fem/90d fem 4m	**30.35**	ea	2	C		1	1	N
80306	**25S5S04-99**	181	MIC, 5 pole DC sngl key 90d fem/90d fem 4m	**30.56**	ea	2	C		1	1	N
80298	**25S5S05**	181	MIC, 5 pole DC sngl key str fem/str fem 5m	**31.46**	ea	2	C		1	1	N
80325	**25S5S05-09**	181	MIC, 5 pole DC sngl key str fem/90d fem 5m	**31.48**	ea	2	C		1	1	N
80307	**25S5S05-99**	181	MIC, 5 pole DC sngl key 90d fem/90d fem 5m	**31.65**	ea	2	C		1	1	N
56376	**2610-C**	86	Connector, NEMA L5-30R, 30A-125V	**33.68**	ea	2	A	0.5	50	10	S
49023	**2610-CG**	83	Connector, NEMA L5-30R, 30A-125V	**36.79**	ea	2	A	0.76	50	10	
56377	**2610-CW**	78	Connector, NEMA L5-30R, 30A-125V	**42.71**	ea	2	A	0.76	50	10	S
56378	**2612-C**	86	Connector, NEMA L6-30R, 30A-250V	**33.68**	ea	2	A	0.5	50	10	S
49024	**2612-CG**	83	Connector, NEMA L6-30R, 30A-250V	**36.79**	ea	2	A	0.76	50	10	
56379	**2612-CW**	78	Connector, NEMA L6-30R, 30A-250V	**42.71**	ea	2	A	0.76	50	10	S
56380	**2614-C**	86	Connector, NEMA L7-30R, 30A-277V	**33.68**	ea	2	A	0.5	50	10	
56381	**2614-CW**	78	Connector, NEMA L7-30R, 30A-277V	**42.71**	ea	2	A	0.76	50	10	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

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Suggested Resale Price Sheet No. 37											
56396	**2616-C**	86	Connector, NON-NEMA, 30A-125/250V	**34.50**	ea	2	A	0.5	50	10	S
49025	**2616-CG**	83	Connector, NON-NEMA, 30A-125/250V	**37.07**	ea	2	A	0.76	50	10	
56397	**2616-CW**	78	Connector, NON-NEMA, 30A-125/250V	**37.19**	ea	2	A	0.76	50	10	S
58638	**2620-C**	86	Connector, NEMA, L14-30R, 30A-125/250V	**49.45**	ea	2	A	0.6	50	10	S
58639	**2620-CW**	78	Connector, NEMA, L14-30R, 30A-125/250V	**54.17**	ea	2	A	0.9	50	10	S
58642	**2622-C**	86	Connector, NEMA L15-30R,30A-250V,3 phs	**49.45**	ea	2	A	0.6	50	10	
58643	**2622-CW**	78	Connector, NEMA L15-30R,30A-250V,3 phs	**53.63**	ea	2	A	0.9	50	10	S
58646	**2624-C**	86	Connector, NEMA L16-30R,30A-480V,3 phs	**48.96**	ea	2	A	0.6	50	10	S
58647	**2624-CW**	78	Connector, NEMA L16-30R,30A-480V,3 phs	**53.63**	ea	2	A	0.9	50	10	S
58650	**2626-C**	86	Connector, NEMA L17-30R,30A-600V,3 phs	**48.96**	ea	2	A	0.6	50	10	S
58651	**2626-CW**	78	Connector, NEMA L17-30R,30A-600V,3 phs	**53.63**	ea	2	A	0.9	50	10	S
58666	**2628-C**	86	Connector, NON-NEMA, 30A-125/208V, 3 phs	**46.29**	ea	2	A	0.6	50	10	S
58667	**2628-CW**	78	Connector, NON-NEMA, 30A-125/208V, 3 phs	**51.57**	ea	2	A	0.9	50	10	S
58664	**2630-C**	86	Connector, NEMA L18-30R, 30A-120/208V, 3 phs wye	**49.97**	ea	2	A	0.6	50	10	S
58665	**2630-CW**	78	Connector, NEMA L18-30R,	**55.00**	ea	2	A	0.9	50	10	S
56389	**2634**	125	Y-Adapter, 18" pri, 18" sec, blunt ends	**45.71**	ea	2	B		1	1	
59117	**2634-A**	125	Y-Adapter w/ 1510-P (5-15P) and 1610-C (5-15R)	**84.29**	ea	2	B		1	1	S
59118	**2634-B**	125	Y-Adapter w/ 1510-PW (5-15P) and 1610-CW	**98.57**	ea	2	B		1	1	
49171	**2634YSO**	141	Y-Adapter, 50A,125/250V 50' 6/3-8/1 SO	**167.45**	ea	2	B	7	1	1	
49174	**2634YST**	141	Y-Adapter, 50A,125/250V 50' 6/3-8/1 ST	**137.36**	ea	2	B	8	1	1	
56390	**2636**	125	W-Adapter, 18" pri, 18" sec, blunt ends	**55.71**	ea	2	B		1	1	
59119	**2636-A**	125	W-Adapter w/ 1510-P (5-15P) and 1610-C (5-15R)	**107.14**	ea	2	B		1	1	
59120	**2636-B**	125	W-Adapter with 1510-PW (5-15P) and 1610-CW (5-15R)	**121.43**	ea	2	B		1	1	S
58775	**2700-FS**	120	15A/20A FS Assy. with boot for singl recept less recept	**24.65**	ea	2	C	0.7	10	1	
58776	**2715FS10**	120	15A FS Assy. with boot & 15A-125V oulet	**36.64**	ea	2	C	0.8	10	1	S
58777	**2715FS12**	120	20A FS Assy. with boot & 20A-125V outlet	**37.32**	ea	2	C	0.8	10	1	S
58778	**2715FS14**	120	15A FS Assy. with boot & 15A-250V outlet	**36.63**	ea	2	C	0.8	10	1	
58779	**2715FS16**	120	20A FS Assy. with boot & 20A-250V outlet	**37.32**	ea	2	C	0.8	10	1	
58780	**2715FS20**	120	15A FS Assy. with boot & lkg 15A-125V outlet	**37.01**	ea	2	C	0.8	10	1	S
58781	**2715FS22**	120	15A FS Assy. with boot & lkg 15A-250V outlet	**37.01**	ea	2	C	0.8	10	1	S
58782	**2715FS24**	120	15A FS Assy. with boot & lkg 15A-277V outlet	**37.01**	ea	2	C	0.8	10	1	S
58783	**2800-FS**	120	20A/30A FS Assy.with boot for singl recept less recept	**29.35**	ea	2	C	0.7	10	1	
58784	**2820FS10**	120	20A FS Assy. with boot & lkg 20A-125V outlet	**42.14**	ea	2	C	0.9	10	1	S
58785	**2820FS12**	120	20A FS Assy. with boot & lkg 20A-250V outlet	**42.16**	ea	2	C	0.9	10	1	
58786	**2820FS14**	120	20A FS Assy. with boot & lkg 20A-277V outlet	**42.16**	ea	2	C	0.9	10	1	
58787	**2820FS16**	120	20A FS Assy. with boot & lkg 20A-125/250V outlet	**42.55**	ea	2	C	0.9	10	1	
58788	**2820FS17**	120	20A FS Assy. with boot & lkg 20A/250V-10A/600V outlet	**42.55**	ea	2	C	0.9	10	1	
58789	**2830FS10**	120	30A FS Assy. with boot & lkg 30A-125V outlet	**46.27**	ea	2	C	0.9	10	1	
58790	**2830FS12**	120	30A FS Assy. with boot & lkg 30A-250V outlet	**46.27**	ea	2	C	0.9	10	1	
58791	**2830FS14**	120	30A FS Assy. with boot & lkg 30A-277V outlet	**46.27**	ea	2	C	0.9	10	1	
58792	**2830FS16**	120	30A FS Assy. with boot & lkg 30A-125/250V outlet	**47.48**	ea	2	C	0.9	10	1	S
56050	**2900**	230	Cbl reel, 30' #16/3 SJT, hand lmp, sw, side out	**96.43**	ea	2	C	9.5	1	1	S
58793	**2900-FS**	120	20A/30A FS Assy.with boot for singl recept less recept	**29.88**	ea	2	C	0.7	10	1	
56059	**2910**	230	Cbl reel, 40' #18/2 SJT, 15w fluor.	**123.93**	ea	2	C	11	1	1	S
58794	**2920FS20**	120	20A FS Assy. with boot & lkg 20A-125/250V 3 phs outlet	**44.52**	ea	2	C	1	10	1	
58795	**2920FS22**	120	20A FS Assy. with boot & lkg 20A-250V 3 phs outlet	**44.52**	ea	2	C	1	10	1	
58796	**2920FS24**	120	20A FS Assy. with boot & lkg 20A-480V 3phs outlet	**44.52**	ea	2	C	1	10	1	
56051	**2925**	33	25' 16/3 SJT, switch, side outlet, refl grd	**42.79**	ea	2	B	2.5	24	6	S
58798	**2930FS20**	120	30A FS Assy. with boot & lkg 30A-125V/250V 3 phs outlet	**53.09**	ea	2	C	1	10	1	
58799	**2930FS22**	120	30A FS Assy. with boot & lkg 30A-250V 3 phs outlet	**53.09**	ea	2	C	1	10	1	
58800	**2930FS24**	120	30A FS Assy. with boot & lkg 30A-480V 3 phs outlet	**53.09**	ea	2	C	1	10	1	
58801	**2930FS26**	120	30A FS Assy. with boot & lkg 30A-600V 3 phs outlet	**53.09**	ea	2	C	1	10	1	
58797	**2930FS28**	120	30A FS Assy. with boot & lkg 30A-120/208V 3 phs wye outlet	**54.01**	ea	2	C	1	10	1	
58802	**2930FS30**	120	30A FS Assy. with boot & lkg 30A-125/208V 3 phs wye outlet	**53.09**	ea	2	C	1	10	1	
56052	**2950**	33	Same as No. 2925, w/50' of cord	**69.21**	ea	2	B	4.38	24	6	S
80362	**3R3P**	174	MIC, 3 pole DC sngl key male recept	**10.43**	ea	2	C		10	1	N
80363	**3R3S**	174	MIC, 3 pole DC sngl key fem recept	**9.99**	ea	2	C		10	1	N
80364	**3R4P**	174	MIC, 4 pole DC sngl key male recept	**11.00**	ea	2	C		10	1	N
80365	**3R4S**	174	MIC, 4 pole DC sngl key fem recept	**11.32**	ea	2	C		10	1	N

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Suggested Resale Price Sheet No. 37											
80366	**3R5P**	174	MIC, 5 pole DC sngl key male recept	**12.15**	ea	2	C		10	1	N
80367	**3R5S**	174	MIC, 5 pole DC sngl key fem recept	**12.53**	ea	2	C		10	1	N
80584	**3Y3P3S3S01**	177	MIC, 3 pole DC sngl key y male/fem:fem1m	**48.29**	ea	2	C		1	1	N
80585	**3Y3P3S3S01B**	177	MIC, 3 pole DC sngl key y male/fem:fem brd 1m	**50.72**	ea	2	C		1	1	N
80586	**3Y3S3S3S01**	177	MIC, 3 pole DC sngl key y fem/fem:fem1m	**48.29**	ea	2	C		1	1	N
80587	**3Y3S3S3S01B**	177	MIC, 3 pole DC sngl key y fem/fem:fem brd 1m	**50.72**	ea	2	C		1	1	N
80588	**3Y4P4S4S01**	177	MIC, 4 pole DC sngl key y male/fem:fem1m	**48.73**	ea	2	C		1	1	N
80589	**3Y4P4S4S01B**	177	MIC, 4 pole DC sngl key y male/fem:fem brd 1m	**51.29**	ea	2	C		1	1	N
80590	**3Y4S4S4S01**	177	MIC, 4 pole DC sngl key y fem/fem:fem1m	**48.72**	ea	2	C		1	1	N
80591	**3Y4S4S4S01B**	177	MIC, 4 pole DC sngl key y fem/fem:fem brd 1m	**51.29**	ea	2	C		1	1	N
80592	**3Y5P5S5S01**	177	MIC, 5 pole DC sngl key y male/fem:fem1m	**55.79**	ea	2	C		1	1	N
80593	**3Y5P5S5S01B**	177	MIC, 5 pole DC sngl key y male/fem:fem brd 1m	**59.63**	ea	2	C		1	1	N
80594	**3Y5S5S5S01**	177	MIC, 5 pole DC sngl key y fem/fem:fem1m	**55.80**	ea	2	C		1	1	N
80595	**3Y5S5S5S01B**	177	MIC, 5 pole DC sngl key y fem/fem:fem brd 1m	**59.63**	ea	2	C		1	1	N
80578	**3YC3P3S3S**	177	MIC, 3 pole DC sngl key y-conn m/f:f	**48.25**	ea	2	C		1	1	N
80579	**3YC3S3S3S**	177	MIC, 3 pole DC sngl key y-conn f/f:f	**48.25**	ea	2	C		1	1	N
80580	**3YC4P4S4S**	177	MIC, 4 pole DC sngl key y-conn m/f:f	**48.29**	ea	2	C		1	1	N
80581	**3YC4S4S4S**	177	MIC, 4 pole DC sngl key y-conn f/f:f	**48.29**	ea	2	C		1	1	N
80582	**3YC5P5S5S**	177	MIC, 5 pole DC sngl key y-conn m/f:f	**48.73**	ea	2	C		1	1	N
80583	**3YC5S5S5S**	177	MIC, 5 pole DC sngl key y-conn f/f:f	**48.72**	ea	2	C		1	1	N
54090	**3100B3W**	191	IEC309 Inlt, Str 2P3W, 100A/250VDC, WT	**262.14**	ea	2	C	1.875	2	1	N
54089	**3100B4W**	191	IEC309 Inlt, Str 2P3W, 100A/125V, WT	**262.14**	ea	2	C	1.875	2	1	N
54096	**3100B5W**	191	IEC309 Inlt, Str 2P3W, 100A/277V, WT	**262.14**	ea	2	C	1.875	2	1	N
54118	**3100B6W**	191	IEC309 Inlt, Str 2P3W, 100A/250V, WT	**262.14**	ea	2	C	1.875	2	1	N
54094	**3100B7W**	191	IEC309 Inlt, Str 2P3W, 100A/480V, WT	**262.14**	ea	2	C	1.875	2	1	N
54091	**3100C3W**	191	IEC309 Conn 2P3W, 100A/250VDC, WT	**262.14**	ea	2	C	3.187	2	1	N
54092	**3100C4W**	191	IEC309 Conn 2P3W, 100A/125V, WT	**262.14**	ea	2	C	3.187	2	1	N
54097	**3100C5W**	191	IEC309 Conn 2P3W, 100A/277V, WT	**262.14**	ea	2	C	3.187	2	1	N
54093	**3100C6W**	191	IEC309 Conn 2P3W, 100A/250V, WT	**262.14**	ea	2	C	3.187	2	1	N
54095	**3100C7W**	191	IEC309 Conn 2P3W, 100A/480V, WT	**262.14**	ea	2	C	3.187	2	1	N
54101	**3100P3W**	191	IEC309 Plug 2P3W, 100A/250VDC, WT	**221.29**	ea	2	C	2.687	2	1	N
54107	**3100P4W**	191	IEC309 Plug 2P3W, 100A/125V, WT	**221.29**	ea	2	C	2.687	2	1	N
54104	**3100P5W**	191	IEC309 Plug 2P3W, 100A/277V, WT	**221.29**	ea	2	C	2.687	2	1	N
54098	**3100P6W**	191	IEC309 Plug 2P3W, 100A/250V, WT	**221.29**	ea	2	C	2.687	2	1	N
54099	**3100P7W**	191	IEC309 Plug 2P3W, 100A/480V, WT	**221.29**	ea	2	C	2.687	2	1	N
54100	**3100R3W**	191	IEC309 Rcpt, Str 2P3W, 100A/250VDC, WT	**183.57**	ea	2	C	2.063	2	1	N
54111	**3100R4W**	191	IEC309 Rcpt, Str 2P3W, 100A/125V, WT	**183.57**	ea	2	C	2.063	2	1	N
54102	**3100R5W**	191	IEC309 Rcpt, Str 2P3W, 100A/277V, WT	**183.57**	ea	2	C	2.063	2	1	N
54117	**3100R6W**	191	IEC309 Rcpt, Str 2P3W, 100A/250V, WT	**183.57**	ea	2	C	2.063	2	1	N
54103	**3100R7W**	191	IEC309 Rcpt, Str 2P3W, 100A/480V, WT	**183.57**	ea	2	C	2.063	2	1	N
54105	**3100RA3W**	191	IEC309 Rcpt, Ang 2P3W, 100A/250VDC, WT	**183.57**	ea	2	C	2.063	2	1	N
54116	**3100RA4W**	191	IEC309 Rcpt, Ang 2P3W, 100A/125V, WT	**183.57**	ea	2	C	2.063	2	1	N
54114	**3100RA5W**	191	IEC309 Rcpt, Ang 2P3W, 100A/277V, WT	**183.57**	ea	2	C	2.063	2	1	N
54108	**3100RA6W**	191	IEC309 Rcpt, Ang 2P3W, 100A/250V, WT	**183.57**	ea	2	C	2.063	2	1	N
54109	**3100RA7W**	191	IEC309 Rcpt, Ang 2P3W, 100A/480V, WT	**183.57**	ea	2	C	2.063	2	1	N
49117	**3125B4W**	198	IEC309 Inlt 2P3W, 125A/100-130V, WT	**277.14**	ea	2	C	1.875	2	1	N
49118	**3125B6W**	198	IEC309 Inlt 2P3W, 125A/220-240V, WT	**277.14**	ea	2	C	1.875	2	1	N
49119	**3125B9W**	198	IEC309 Inlt 2P3W, 125A/380-415V, WT	**277.14**	ea	2	C	1.875	2	1	N
49120	**3125C4W**	198	IEC309 Conn 2P3W, 125A/100-130V, WT	**277.14**	ea	2	C	3.187	2	1	N
49121	**3125C6W**	198	IEC309 Conn 2P3W, 125A/220-240V, WT	**277.14**	ea	2	C	3.187	2	1	N
49122	**3125C9W**	198	IEC309 Conn 2P3W, 125A/380-415V, WT	**277.14**	ea	2	C	3.187	2	1	N
49123	**3125P4W**	198	IEC309 Plug 2P3W, 125A/100-130V, WT	**245.71**	ea	2	C	2.687	2	1	N
49124	**3125P6W**	198	IEC309 Plug 2P3W, 125A/220-240V, WT	**245.71**	ea	2	C	2.687	2	1	N
49126	**3125P9W**	198	IEC309 Plug 2P3W, 125A/380-415V, WT	**245.71**	ea	2	C	2.687	2	1	N
49142	**3125R4W**	198	IEC309 Rcpt, Str 2P3W, 125A/100-130V, WT	**198.57**	ea	2	C	2.063	2	1	N
49143	**3125R6W**	198	IEC309 Rcpt, Str 2P3W, 125A/220-240V, WT	**198.57**	ea	2	C	2.063	2	1	N
49144	**3125R9W**	198	IEC309 Rcpt, Str 2P3W, 125A/380-415V, WT	**198.57**	ea	2	C	2.063	2	1	N
49145	**3125RA4W**	198	IEC309 Rcpt, Ang 2P3W, 125A/100-130V, WT	**198.57**	ea	2	C	2.063	2	1	N
49146	**3125RA6W**	198	IEC309 Rcpt, Ang 2P3W, 125A/220-240V, WT	**198.57**	ea	2	C	2.063	2	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
49147	**3125RA9W**	198	IEC309 Rcpt, Ang 2P3W, 125A/380-415V, WT	**198.57**	ea	2	C	2.063	2	1	N
84578	**313-MB**	36	Convrsn Lite, 13W, medium base screwshell	**49.64**	ea	2	C		1	1	N
84579	**313-P**	37	Convrsn Lite, 13W, NEMA 5-15 inlet	**49.64**	ea	2	C		1	1	N
81782	**3143-40-ST**	221	Cbl reel, 40' #14/3 SJT, 1610-CG	**228.57**	ea	2	C	12	1	1	N
81783	**3143-40-TT**	221	Cbl reel, 40' #14/3 SJT, tri-tap	**220.10**	ea	2	C	12	1	1	N
81784	**3163-50-AL**	220	Cbl reel, 50' #16/3 SJT, angle lite	**209.81**	ea	2	C	12	1	1	N
81786	**3163-50-B**	221	Cbl reel, 50' #16/3 SJT, 6000 box w/ 5-15	**200.16**	ea	2	C	13	1	1	N
81781	**3163-50-H6**	220	Cbl reel, 50' #16/3 SJT, #6 hand lamp	**253.97**	ea	2	C	13	1	1	N
81787	**3163-50-ST**	221	Cbl reel, 50' #16/3 SJT, 1610-CG	**196.83**	ea	2	C	12	1	1	N
81788	**3163-50-TL**	220	Cbl reel, 50' #18/2 SJT, tube lite	**187.75**	ea	2	C	12	1	1	N
81785	**3163-50-TLS**	221	Cbl reel, 50' #18/2 SJT, tube lite, switch	**201.30**	ea	2	C	12	1	1	N
81789	**3163-50-TT**	221	Cbl reel, 50' #16/3 SJT, tri-tap	**187.62**	ea	2	C	12	1	1	N
49148	**316B4S**	199	IEC309 Inlt, Str 2P3W, 16A/100-130V, SP	**50.00**	ea	2	C	0.25	10	1	N
49149	**316B6S**	199	IEC309 Inlt, Str 2P3W, 16A/220-240V, SP	**50.00**	ea	2	C	0.25	10	1	N
49150	**316B9S**	199	IEC309 Inlt, Str 2P3W, 16A/380-415V, SP	**50.00**	ea	2	C	0.25	10	1	N
49151	**316BA4W**	198	IEC309 Inlt, Ang 2P3W, 16A/100-130V, WT	**60.00**	ea	2	C	0.312	10	1	N
49062	**316BA6W**	198	IEC309 Inlt, Ang 2P3W, 16A/220-240V, WT	**60.00**	ea	2	C	0.312	10	1	N
49063	**316BA9W**	198	IEC309 Inlt, Ang 2P3W, 16A/380-415V, WT	**60.00**	ea	2	C	0.312	10	1	N
49064	**316C4E**	200	IEC309 Conn 2P3W, 16A/110-130V, SP, CS	**58.57**	ea	2	C	0.6	10	1	N
49065	**316C4S**	199	IEC309 Conn 2P3W, 16A/110-130V, SP, CG	**65.71**	ea	2	C	0.7	10	1	N
49066	**316C4W**	198	IEC309 Conn 2P3W, 16A/110-130V, WT	**84.29**	ea	2	C	0.75	10	1	N
49067	**316C6E**	200	IEC309 Conn 2P3W, 16A/220-240V, SP, CS	**58.57**	ea	2	C	0.6	10	1	N
49068	**316C6S**	199	IEC309 Conn 2P3W, 16A/220-240V, SP, CG	**65.71**	ea	2	C	0.7	10	1	N
49069	**316C6W**	198	IEC309 Conn 2P3W, 16A/220-240V, WT	**84.29**	ea	2	C	0.75	10	1	N
49070	**316C9E**	200	IEC309 Conn 2P3W, 16A/380-415V, SP, CS	**58.57**	ea	2	C	0.6	10	1	N
49071	**316C9S**	199	IEC309 Conn 2P3W, 16A/380-415V, SP, CG	**65.71**	ea	2	C	0.7	10	1	N
49078	**316C9W**	198	IEC309 Conn 2P3W, 16A/380-415V, WT	**84.29**	ea	2	C	0.437	10	1	N
49079	**316P4E**	200	IEC309 Plug 2P3W, 16A/110-130V, SP, CS	**55.71**	ea	2	C	0.36	10	1	N
49080	**316P4S**	199	IEC309 Plug 2P3W, 16A/110-130V, SP, CG	**62.86**	ea	2	C	0.36	10	1	N
49081	**316P4W**	198	IEC309 Plug 2P3W, 16A/110-130V, WT	**80.00**	ea	2	C	0.375	10	1	N
49082	**316P6E**	200	IEC309 Plug 2P3W, 16A/220-240V, SP, CS	**55.71**	ea	2	C	0.36	10	1	N
49083	**316P6S**	199	IEC309 Plug 2P3W, 16A/220-240V, SP, CG	**62.86**	ea	2	C	0.36	10	1	N
49084	**316P6W**	198	IEC309 Plug 2P3W, 16A/220-240V, WT	**80.00**	ea	2	C	0.375	10	1	N
49085	**316P9E**	200	IEC309 Plug 2P3W, 16A/380-415V, SP, CS	**55.71**	ea	2	C	0.36	10	1	N
49086	**316P9S**	199	IEC309 Plug 2P3W, 16A/380-415V, SP, CG	**62.86**	ea	2	C	0.36	10	1	N
49087	**316P9W**	198	IEC309 Plug 2P3W, 16A/380-415V, WT	**80.00**	ea	2	C	0.375	10	1	N
49088	**316R4S**	199	IEC309 Rcpt Str 2P3W, 16A/110-130V, SP	**52.86**	ea	2	C	0.3	10	1	N
49073	**316R4W**	198	IEC309 Rcpt Str 2P3W, 16A/110-130V, WT	**60.00**	ea	2	C	0.312	10	1	N
49074	**316R6S**	199	IEC309 Rcpt Str 2P3W, 16A/220-240V, SP	**52.86**	ea	2	C	0.3	10	1	N
49075	**316R6W**	198	IEC309 Rcpt Str 2P3W, 16A/220-240V, WT	**60.00**	ea	2	C	0.312	10	1	N
49076	**316R9S**	199	IEC309 Rcpt Str 2P3W, 16A/380-415V, SP	**52.86**	ea	2	C	0.3	10	1	N
49077	**316R9W**	198	IEC309 Rcpt Str 2P3W, 16A/380-415V, WT	**60.00**	ea	2	C	0.312	10	1	N
49128	**316RA4S**	199	IEC309 Rcpt Ang 2P3W, 16A/110-130V, SP	**52.86**	ea	2	C	0.3	10	1	N
49134	**316RA4W**	198	IEC309 Rcpt Ang 2P3W, 16A/110-130V, WT	**60.00**	ea	2	C	0.312	10	1	N
49136	**316RA6S**	199	IEC309 Rcpt Ang 2P3W, 16A/220-240V, SP	**52.86**	ea	2	C	0.3	10	1	N
49132	**316RA6W**	198	IEC309 Rcpt Ang 2P3W, 16A/220-240V, WT	**60.00**	ea	2	C	0.312	10	1	N
49130	**316RA9S**	199	IEC309 Rcpt Ang 2P3W, 16A/380-415V, SP	**52.86**	ea	2	C	0.3	10	1	N
49138	**316RA9W**	198	IEC309 Rcpt Ang 2P3W, 16A/380-415V, WT	**60.00**	ea	2	C	0.312	10	1	N
54110	**320B3S**	192	IEC309 Inlt, Str 2P3W, 20A/250VDC, SP	**37.86**	ea	2	C	0.3	10	1	N
54115	**320B4S**	192	IEC309 Inlt, Str 2P3W, 20A/125V, SP	**37.86**	ea	2	C	0.3	10	1	N
54106	**320B5S**	192	IEC309 Inlt, Str 2P3W, 20A/277V, SP	**37.86**	ea	2	C	0.3	10	1	N
54113	**320B6S**	192	IEC309 Inlt, Str 2P3W, 20A/250V, SP	**37.86**	ea	2	C	0.3	10	1	N
54112	**320B7S**	192	IEC309 Inlt, Str 2P3W, 20A/480V, SP	**37.86**	ea	2	C	0.3	10	1	N
54202	**320BA3W**	190	IEC309 Inlt Ang80 2P3W, 20A/250VDC, WT	**56.43**	ea	2	C	0.312	10	1	N
54203	**320BA4W**	190	IEC309 Inlt Ang80 2P3W, 20A/125V, WT	**56.43**	ea	2	C	0.312	10	1	N
54204	**320BA5W**	190	IEC309 Inlt Ang80 2P3W, 20A/277V, WT	**56.43**	ea	2	C	0.312	10	1	N
54205	**320BA6W**	190	IEC309 Inlt Ang80 2P3W, 20A/250V, WT	**56.43**	ea	2	C	0.312	10	1	N
54206	**320BA7W**	190	IEC309 Inlt Ang80 2P3W, 20A/480V, WT	**56.43**	ea	2	C	0.312	10	1	N
54201	**320C3E**	193	IEC309 Conn 2P3W, 20A/250VDC, SP, CS	**54.29**	ea	2	C	0.41	10	1	N
54187	**320C3S**	192	IEC309 Conn 2P3W, 20A/250VDC, SP, CG	**60.00**	ea	2	C	0.43	10	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54190	320C3W	190	IEC309 Conn 2P3W, 20A/250VDC, WT	77.86	ea	2	C	0.437	10	1	N
54188	320C4E	193	IEC309 Conn 2P3W, 20A/125V, SP, CS	54.29	ea	2	C	0.41	10	1	N
54193	320C4S	192	IEC309 Conn 2P3W, 20A/125V, SP, CG	60.00	ea	2	C	0.43	10	1	N
54189	320C4W	190	IEC309 Conn 2P3W, 20A/125V, WT	77.86	ea	2	C	0.437	10	1	N
54195	320C5E	193	IEC309 Conn 2P3W, 20A/277V, SP, CS	54.29	ea	2	C		10	1	N
54198	320C5S	192	IEC309 Conn 2P3W, 20A/277V, SP, CG	60.00	ea	2	C		10	1	N
54191	320C5W	190	IEC309 Conn 2P3W, 20A/277V, WT	77.86	ea	2	C		10	1	N
54199	320C6E	193	IEC309 Conn 2P3W, 20A/250V, SP, CS	54.29	ea	2	C		10	1	N
54192	320C6S	192	IEC309 Conn 2P3W, 20A/250V, SP, CG	60.00	ea	2	C	0.437	10	1	N
54197	320C6W	190	IEC309 Conn 2P3W, 20A/250V, WT	77.86	ea	2	C		10	1	N
54194	320C7E	193	IEC309 Conn 2P3W, 20A/480V, SP, CS	54.29	ea	2	C		10	1	N
54200	320C7S	192	IEC309 Conn 2P3W, 20A/480V, SP, CG	60.00	ea	2	C	0.437	10	1	N
54196	320C7W	190	IEC309 Conn 2P3W, 20A/480V, WT	77.86	ea	2	C		10	1	N
54719	320MI4S	194	IEC309 MI 2P3W 20A/120V, SP	248.57	ea	2	C		1	1	N
54713	320MI4W	194	IEC309 MI 2P3W 20A/120V, WT	282.86	ea	2	C		1	1	N
54714	320MI5S	194	IEC309 MI 2P3W 20A/277V, SP	248.57	ea	2	C		1	1	N
54715	320MI5W	194	IEC309 MI 2P3W 20A/277V, WT	282.86	ea	2	C		1	1	N
54718	320MI6S	194	IEC309 MI 2P3W 20A/240V, SP	248.57	ea	2	C		1	1	N
54717	320MI6W	194	IEC309 MI 2P3W 20A/240V, WT	282.86	ea	2	C		1	1	N
54716	320MI7S	194	IEC309 MI 2P3W 20A/480V, SP	248.57	ea	2	C		1	1	N
54712	320MI7W	194	IEC309 MI 2P3W 20A/480V, WT	282.86	ea	2	C		1	1	N
54207	320P3E	193	IEC309 Plug 2P3W, 20A/250VDC, SP, CS	32.86	ea	2	C		10	1	N
54208	320P3S	192	IEC309 Plug 2P3W, 20A/250VDC, SP, CG	54.29	ea	2	C		10	1	N
54209	320P3W	190	IEC309 Plug 2P3W, 20A/250VDC, WT	64.29	ea	2	C		10	1	N
54210	320P4E	193	IEC309 Plug 2P3W, 20A/125V, SP, CS	32.86	ea	2	C		10	1	N
54211	320P4S	192	IEC309 Plug 2P3W, 20A/125V, SP, CG	54.29	ea	2	C	0.375	10	1	N
54212	320P4W	190	IEC309 Plug 2P3W, 20A/125V, WT	64.29	ea	2	C		10	1	N
54213	320P5E	193	IEC309 Plug 2P3W, 20A/277V, SP, CS	32.86	ea	2	C		10	1	N
54214	320P5S	192	IEC309 Plug 2P3W, 20A/277V, SP, CG	54.29	ea	2	C	0.375	10	1	N
54215	320P5W	190	IEC309 Plug 2P3W, 20A/277V, WT	64.29	ea	2	C		10	1	N
54216	320P6E	193	IEC309 Plug 2P3W, 20A/250V, SP, CS	32.86	ea	2	C		10	1	N
54217	320P6S	192	IEC309 Plug 2P3W, 20A/250V, SP, CG	54.29	ea	2	C	0.25	10	1	N
54218	320P6W	190	IEC309 Plug 2P3W, 20A/250V, WT	64.29	ea	2	C		10	1	N
54219	320P7E	193	IEC309 Plug 2P3W, 20A/480V, SP, CS	32.86	ea	2	C		10	1	N
54220	320P7S	192	IEC309 Plug 2P3W, 20A/480V, SP, CG	54.29	ea	2	C	0.375	10	1	N
54221	320P7W	190	IEC309 Plug 2P3W, 20A/480V, WT	64.29	ea	2	C		10	1	N
54253	320R3S	192	IEC309 Rcpt, Str 2P3W, 20A/250VDC, SP	42.14	ea	2	C		10	1	N
54246	320R3W	190	IEC309 Rcpt, Str 2P3W, 20A/250VDC, WT	50.14	ea	2	C		10	1	N
54254	320R4S	192	IEC309 Rcpt, Str 2P3W, 20A/125V, SP	42.14	ea	2	C	0.312	10	1	N
54247	320R4W	190	IEC309 Rcpt, Str 2P3W, 20A/125V, WT	50.14	ea	2	C		10	1	N
54256	320R5S	192	IEC309 Rcpt, Str 2P3W, 20A/277V, SP	42.14	ea	2	C	0.312	10	1	N
54250	320R5W	190	IEC309 Rcpt, Str 2P3W, 20A/277V, WT	50.14	ea	2	C		10	1	N
54245	320R6S	192	IEC309 Rcpt, Str 2P3W, 20A/250V, SP	42.14	ea	2	C	0.312	10	1	N
54251	320R6W	190	IEC309 Rcpt, Str 2P3W, 20A/250V, WT	50.14	ea	2	C		10	1	N
54248	320R7S	192	IEC309 Rcpt, Str 2P3W, 20A/480V, SP	42.14	ea	2	C	0.312	10	1	N
54257	320R7W	190	IEC309 Rcpt, Str 2P3W, 20A/480V, WT	50.14	ea	2	C		10	1	N
54234	320RA3S	192	IEC309 Rcpt, Ang 2P3W, 20A/250VDC, SP	42.14	ea	2	C		10	1	N
54235	320RA3W	190	IEC309 Rcpt, Ang 2P3W, 20A/250VDC, WT	50.14	ea	2	C		10	1	N
54236	320RA4S	192	IEC309 Rcpt, Ang 2P3W, 20A/125V, SP	42.14	ea	2	C		10	1	N
54237	320RA4W	190	IEC309 Rcpt, Ang 2P3W, 20A/125V, WT	50.14	ea	2	C		10	1	N
54238	320RA5S	192	IEC309 Rcpt, Ang 2P3W, 20A/277V, SP	42.14	ea	2	C		10	1	N
54239	320RA5W	190	IEC309 Rcpt, Ang 2P3W, 20A/277V, WT	50.14	ea	2	C		10	1	N
54240	320RA6S	192	IEC309 Rcpt, Ang 2P3W, 20A/250V, SP	42.14	ea	2	C		10	1	N
54241	320RA6W	190	IEC309 Rcpt, Ang 2P3W, 20A/250V, WT	50.14	ea	2	C		10	1	N
54242	320RA7S	192	IEC309 Rcpt, Ang 2P3W, 20A/480V, SP	42.14	ea	2	C		10	1	N
54243	320RA7W	190	IEC309 Rcpt, Ang 2P3W, 20A/480V, WT	50.14	ea	2	C		10	1	N
54677	330B3S	192	IEC309 Inlt, Str 2P3W, 30A/250VDC, SP	80.14	ea	2	C		10	1	N
54681	330B4S	192	IEC309 Inlt, Str 2P3W, 30A/125V, SP	80.14	ea	2	C	0.312	10	1	N
54675	330B5S	192	IEC309 Inlt, Str 2P3W, 30A/277V, SP	80.14	ea	2	C	0.312	10	1	N
54679	330B6S	192	IEC309 Inlt, Str 2P3W, 30A/250V, SP	80.14	ea	2	C	0.312	10	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54673	330B7S	192	IEC309 Inlt, Str 2P3W, 30A/480V, SP	80.14	ea	2	C	0.312	10	1	N
54678	330BA3W	190	IEC309 Inlt Ang80 2P3W, 30A/250VDC, WT	107.86	ea	2	C		10	1	N
54676	330BA4W	190	IEC309 Inlt Ang80 2P3W, 30A/125V, WT	107.86	ea	2	C	0.312	10	1	N
54674	330BA5W	190	IEC309 Inlt Ang80 2P3W, 30A/277V, WT	107.86	ea	2	C	0.312	10	1	N
54680	330BA6W	190	IEC309 Inlt Ang80 2P3W, 30A/250V, WT	107.86	ea	2	C	0.312	10	1	N
54672	330BA7W	190	IEC309 Inlt Ang80 2P3W, 30A/480V, WT	107.86	ea	2	C	0.312	10	1	N
54272	330C3E	193	IEC309 Conn 2P3W, 30A/250VDC, SP, CS	74.86	ea	2	C		10	1	N
54281	330C3S	192	IEC309 Conn 2P3W, 30A/250VDC, SP, CG	91.00	ea	2	C		10	1	N
54274	330C3W	190	IEC309 Conn 2P3W, 30A/250VDC, WT	103.00	ea	2	C		10	1	N
54275	330C4E	193	IEC309 Conn 2P3W, 30A/125V, SP, CS	74.86	ea	2	C		10	1	N
54276	330C4S	192	IEC309 Conn 2P3W, 30A/125V, SP, CG	91.00	ea	2	C	0.75	10	1	N
54271	330C4W	190	IEC309 Conn 2P3W, 30A/125V, WT	103.00	ea	2	C		10	1	N
54278	330C5E	193	IEC309 Conn 2P3W, 30A/277V, SP, CS	74.86	ea	2	C		10	1	N
54273	330C5S	192	IEC309 Conn 2P3W, 30A/277V, SP, CG	91.00	ea	2	C	0.75	10	1	N
54280	330C5W	190	IEC309 Conn 2P3W, 30A/277V, WT	103.00	ea	2	C		10	1	N
54267	330C6E	193	IEC309 Conn 2P3W, 30A/250V, SP, CS	74.86	ea	2	C		10	1	N
54277	330C6S	192	IEC309 Conn 2P3W, 30A/250V, SP, CG	91.00	ea	2	C	0.75	10	1	N
54269	330C6W	190	IEC309 Conn 2P3W, 30A/250V, WT	103.00	ea	2	C		10	1	N
54268	330C7E	193	IEC309 Conn 2P3W, 30A/480V, SP, CS	74.86	ea	2	C		10	1	N
54270	330C7S	192	IEC309 Conn 2P3W, 30A/480V, SP, CG	91.00	ea	2	C	0.75	10	1	N
54279	330C7W	190	IEC309 Conn 2P3W, 30A/480V, WT	103.00	ea	2	C		10	1	N
54303	330MI4S	194	IEC309 MI 2P3W 30A/120V, SP	307.14	ea	2	C		1	1	N
54298	330MI4W	194	IEC309 MI 2P3W 30A/120V, WT	391.43	ea	2	C		1	1	N
54299	330MI5S	194	IEC309 MI 2P3W 30A/277V, SP	307.14	ea	2	C		1	1	N
54304	330MI5W	194	IEC309 MI 2P3W 30A/277V, WT	391.43	ea	2	C		1	1	N
54301	330MI6S	194	IEC309 MI 2P3W 30A/240V, SP	307.14	ea	2	C		1	1	N
54302	330MI6W	194	IEC309 MI 2P3W 30A/240V, WT	391.43	ea	2	C		1	1	N
54297	330MI7S	194	IEC309 MI 2P3W 30A/480V, SP	307.14	ea	2	C		1	1	N
54300	330MI7W	194	IEC309 MI 2P3W 30A/480V, WT	391.43	ea	2	C		1	1	N
54282	330P3E	193	IEC309 Plug 2P3W, 30A/250VDC, SP, CS	71.07	ea	2	C		10	1	N
54283	330P3S	192	IEC309 Plug 2P3W, 30A/250VDC, SP, CG	86.50	ea	2	C		10	1	N
54284	330P3W	190	IEC309 Plug 2P3W, 30A/250VDC, WT	99.07	ea	2	C		10	1	N
54285	330P4E	193	IEC309 Plug 2P3W, 30A/125V, SP, CS	71.07	ea	2	C		10	1	N
54286	330P4S	192	IEC309 Plug 2P3W, 30A/125V, SP, CG	86.50	ea	2	C	0.5	10	1	N
54287	330P4W	190	IEC309 Plug 2P3W, 30A/125V, WT	99.07	ea	2	C		10	1	N
54288	330P5E	193	IEC309 Plug 2P3W, 30A/277V, SP, CS	71.07	ea	2	C		10	1	N
54289	330P5S	192	IEC309 Plug 2P3W, 30A/277V, SP, CG	86.50	ea	2	C	0.5	10	1	N
54290	330P5W	190	IEC309 Plug 2P3W, 30A/277V, WT	99.07	ea	2	C		10	1	N
54291	330P6E	193	IEC309 Plug 2P3W, 30A/250V, SP, CS	71.07	ea	2	C		10	1	N
54292	330P6S	192	IEC309 Plug 2P3W, 30A/250V, SP, CG	86.50	ea	2	C	0.5	10	1	N
54293	330P6W	190	IEC309 Plug 2P3W, 30A/250V, WT	99.07	ea	2	C		10	1	N
54294	330P7E	193	IEC309 Plug 2P3W, 30A/480V, SP, CS	71.07	ea	2	C		10	1	N
54295	330P7S	192	IEC309 Plug 2P3W, 30A/480V, SP, CG	86.50	ea	2	C	0.5	10	1	N
54296	330P7W	190	IEC309 Plug 2P3W, 30A/480V, WT	99.07	ea	2	C		10	1	N
54385	330R3S	192	IEC309 Rcpt, Str 2P3W, 30A/250VDC, SP	71.00	ea	2	C		10	1	N
54399	330R3W	190	IEC309 Rcpt, Str 2P3W, 30A/250VDC, WT	81.93	ea	2	C		10	1	N
54393	330R4S	192	IEC309 Rcpt, Str 2P3W, 30A/125V, SP	71.00	ea	2	C	0.5	10	1	N
54396	330R4W	190	IEC309 Rcpt, Str 2P3W, 30A/125V, WT	81.93	ea	2	C		10	1	N
54392	330R5S	192	IEC309 Rcpt, Str 2P3W, 30A/277V, SP	71.00	ea	2	C	0.5	10	1	N
54397	330R5W	190	IEC309 Rcpt, Str 2P3W, 30A/277V, WT	81.93	ea	2	C		10	1	N
54391	330R6S	192	IEC309 Rcpt, Str 2P3W, 30A/250V, SP	71.00	ea	2	C	0.5	10	1	N
54395	330R6W	190	IEC309 Rcpt, Str 2P3W, 30A/250V, WT	81.93	ea	2	C		10	1	N
54398	330R7S	192	IEC309 Rcpt, Str 2P3W, 30A/480V, SP	71.00	ea	2	C	0.5	10	1	N
54394	330R7W	190	IEC309 Rcpt, Str 2P3W, 30A/480V, WT	81.93	ea	2	C		10	1	N
54309	330RA3S	192	IEC309 Rcpt, Ang 2P3W, 30A/250VDC, SP	71.00	ea	2	C		10	1	N
54310	330RA3W	190	IEC309 Rcpt, Ang 2P3W, 30A/250VDC, WT	81.93	ea	2	C		10	1	N
54311	330RA4S	192	IEC309 Rcpt, Ang 2P3W, 30A/125V, SP	71.00	ea	2	C		10	1	N
54312	330RA4W	190	IEC309 Rcpt, Ang 2P3W, 30A/125V, WT	81.93	ea	2	C		10	1	N
54313	330RA5S	192	IEC309 Rcpt, Ang 2P3W, 30A/277V, SP	71.00	ea	2	C		10	1	N
54314	330RA5W	190	IEC309 Rcpt, Ang 2P3W, 30A/277V, WT	81.93	ea	2	C		10	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54315	**330RA6S**	192	IEC309 Rcpt, Ang 2P3W, 30A/250V, SP	**71.00**	ea	2	C		10	1	N
54316	**330RA6W**	190	IEC309 Rcpt, Ang 2P3W, 30A/250V, WT	**81.93**	ea	2	C		10	1	N
54317	**330RA7S**	192	IEC309 Rcpt, Ang 2P3W, 30A/480V, SP	**71.00**	ea	2	C		10	1	N
54318	**330RA7W**	190	IEC309 Rcpt, Ang 2P3W, 30A/480V, WT	**81.93**	ea	2	C		10	1	N
49249	**332B4S**	199	IEC309 Inlt, Str 2P3W, 32A/100-130V, SP	**84.29**	ea	2	C		10	1	N
49250	**332B6S**	199	IEC309 Inlt, Str 2P3W, 32A/220-240V, SP	**84.29**	ea	2	C		10	1	N
49251	**332B9S**	199	IEC309 Inlt, Str 2P3W, 32A/380-415V, SP	**84.29**	ea	2	C		10	1	N
49252	**332BA4W**	198	IEC309 Inlt, Ang 2P3W, 32A/100-130V, WT	**112.86**	ea	2	C	0.312	10	1	N
49253	**332BA6W**	198	IEC309 Inlt, Ang 2P3W, 32A/220-240V, WT	**112.86**	ea	2	C	0.312	10	1	N
49254	**332BA9W**	198	IEC309 Inlt, Ang 2P3W, 32A/380-415V, WT	**112.86**	ea	2	C	0.312	10	1	N
49255	**332C4E**	200	IEC309 Conn 2P3W, 32A/110-130V, SP, CS	**77.29**	ea	2	C		10	1	N
49256	**332C4S**	199	IEC309 Conn 2P3W, 32A/110-130V, SP, CG	**98.93**	ea	2	C	0.75	10	1	N
49257	**332C4W**	198	IEC309 Conn 2P3W, 32A/110-130V, WT	**112.86**	ea	2	C	0.75	10	1	N
49258	**332C6E**	200	IEC309 Conn 2P3W, 32A/220-240V, SP, CS	**77.29**	ea	2	C		10	1	N
49259	**332C6S**	199	IEC309 Conn 2P3W, 32A/220-240V, SP, CG	**98.93**	ea	2	C	0.75	10	1	N
49260	**332C6W**	198	IEC309 Conn 2P3W, 32A/220-240V, WT	**112.86**	ea	2	C	0.75	10	1	N
49261	**332C9E**	200	IEC309 Conn 2P3W, 32A/380-415V, SP, CS	**77.29**	ea	2	C		10	1	N
49262	**332C9S**	199	IEC309 Conn 2P3W, 32A/380-415V, SP, CG	**98.93**	ea	2	C	0.75	10	1	N
49263	**332C9W**	198	IEC309 Conn 2P3W, 32A/380-415V, WT	**112.86**	ea	2	C	0.75	10	1	N
49264	**332P4E**	200	IEC309 Plug 2P3W, 32A/110-130V, SP, CS	**74.29**	ea	2	C		10	1	N
49265	**332P4S**	199	IEC309 Plug 2P3W, 32A/110-130V, SP, CG	**95.36**	ea	2	C	0.5	10	1	N
49266	**332P4W**	198	IEC309 Plug 2P3W, 32A/110-130V, WT	**108.57**	ea	2	C	0.5	10	1	N
49267	**332P6E**	200	IEC309 Plug 2P3W, 32A/220-240V, SP, CS	**74.29**	ea	2	C		10	1	N
49268	**332P6S**	199	IEC309 Plug 2P3W, 32A/220-240V, SP, CG	**95.36**	ea	2	C	0.5	10	1	N
49269	**332P6W**	198	IEC309 Plug 2P3W, 32A/220-240V, WT	**108.57**	ea	2	C	0.5	10	1	N
49270	**332P9E**	200	IEC309 Plug 2P3W, 32A/380-415V, SP, CS	**74.29**	ea	2	C		10	1	N
49271	**332P9S**	199	IEC309 Plug 2P3W, 32A/380-415V, SP, CG	**95.36**	ea	2	C	0.5	10	1	N
49272	**332P9W**	198	IEC309 Plug 2P3W, 32A/380-415V, WT	**108.57**	ea	2	C	0.5	10	1	N
49273	**332R4S**	199	IEC309 Rcpt Str 2P3W, 32A/110-130V, SP	**74.29**	ea	2	C	0.5	10	1	N
49274	**332R4W**	198	IEC309 Rcpt Str 2P3W, 32A/110-130V, WT	**91.43**	ea	2	C	0.5	10	1	N
49275	**332R6S**	199	IEC309 Rcpt Str 2P3W, 32A/220-240V, SP	**74.29**	ea	2	C	0.5	10	1	N
49276	**332R6W**	198	IEC309 Rcpt Str 2P3W, 32A/220-240V, WT	**91.43**	ea	2	C	0.5	10	1	N
49277	**332R9S**	199	IEC309 Rcpt Str 2P3W, 32A/380-415V, SP	**74.29**	ea	2	C		10	1	N
49278	**332R9W**	198	IEC309 Rcpt Str 2P3W, 32A/380-415V, WT	**91.43**	ea	2	C	0.5	10	1	N
49279	**332RA4S**	199	IEC309 Rcpt Ang 2P3W, 32A/110-130V, SP	**74.29**	ea	2	C		10	1	N
49280	**332RA4W**	198	IEC309 Rcpt Ang 2P3W, 32A/110-130V, WT	**91.43**	ea	2	C		10	1	N
49281	**332RA6S**	199	IEC309 Rcpt Ang 2P3W, 32A/220-240V, SP	**74.29**	ea	2	C		10	1	N
49282	**332RA6W**	198	IEC309 Rcpt Ang 2P3W, 32A/220-240V, WT	**91.43**	ea	2	C		10	1	N
49283	**332RA9S**	199	IEC309 Rcpt Ang 2P3W, 32A/380-415V, SP	**74.29**	ea	2	C		10	1	N
49284	**332RA9W**	198	IEC309 Rcpt Ang 2P3W, 32A/380-415V, WT	**91.43**	ea	2	C		10	1	N
80326	**33P02**	173	MIC, 3 pole DC sngl key male str 2m	**14.89**	ea	2	C		1	1	N
80368	**33P02-90**	173	MIC, 3 pole DC sngl key 90d male 2m	**13.66**	ea	2	C		1	1	N
80329	**33P02B**	173	MIC, 3 pole DC sngl key male str brd 2m	**19.63**	ea	2	C		1	1	N
80371	**33P02B-90**	173	MIC, 3 pole DC sngl key 90d male brd 2m	**18.29**	ea	2	C		1	1	N
81253	**33P02D**	178	MIC, 3 pole DC sngl key male str shld 2m	**40.23**	ea	2	C		1	1	N
80327	**33P04**	173	MIC, 3 pole DC sngl key male str 4m	**17.36**	ea	2	C		1	1	N
80369	**33P04-90**	173	MIC, 3 pole DC sngl key 90d male 4m	**16.15**	ea	2	C		1	1	N
80330	**33P04B**	173	MIC, 3 pole DC sngl key male str brd 4m	**25.60**	ea	2	C		1	1	N
80372	**33P04B-90**	173	MIC, 3 pole DC sngl key 90d male brd 4m	**24.28**	ea	2	C		1	1	N
81254	**33P04D**	178	MIC, 3 pole DC sngl key male str shld 4m	**46.32**	ea	2	C		1	1	N
80328	**33P05**	173	MIC, 3 pole DC sngl key male str 5m	**19.58**	ea	2	C		1	1	N
80370	**33P05-90**	173	MIC, 3 pole DC sngl key 90d male 5m	**19.58**	ea	2	C		1	1	N
80331	**33P05B**	173	MIC, 3 pole DC sngl key male str brd 5m	**28.50**	ea	2	C		1	1	N
80373	**33P05B-90**	173	MIC, 3 pole DC sngl key 90d male brd 5m	**28.50**	ea	2	C		1	1	N
81255	**33P05D**	178	MIC, 3 pole DC sngl key male shld 5m	**52.15**	ea	2	C		1	1	N
80542	**33P3P02**	174	MIC, 3 pole DC sngl key str male/str male 2m	**24.42**	ea	2	C		1	1	N
80422	**33P3P02-09**	176	MIC, 3 pole DC sngl key str male/90d male 2m	**23.16**	ea	2	C		1	1	N
80488	**33P3P02-99**	176	MIC, 3 pole DC sngl key 90d male/90d male 2m	**21.93**	ea	2	C		1	1	N
80545	**33P3P02B**	174	MIC, 3 pole DC sngl key str male/str male brd 2m	**30.12**	ea	2	C		1	1	N
80425	**33P3P02B-09**	176	MIC, 3 pole DC sngl key str male/90d male brd 2m	**28.75**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80491	**33P3P02B-99**	176	MIC, 3 pole DC sngl key 90d male/90d male brd 2m	**27.39**	ea	2	C		1	1	N
81271	**33P3P02D**	178	MIC, 3 pole DC sngl key male str/male str shld 2m	**75.79**	ea	2	C		1	1	N
80543	**33P3P04**	174	MIC, 3 pole DC sngl key str male/str male 4m	**26.89**	ea	2	C		1	1	N
80423	**33P3P04-09**	176	MIC, 3 pole DC sngl key str male/90d male 4m	**25.63**	ea	2	C		1	1	N
80489	**33P3P04-99**	176	MIC, 3 pole DC sngl key 90d male/90d male 4m	**24.40**	ea	2	C		1	1	N
80546	**33P3P04B**	174	MIC, 3 pole DC sngl key str male/str male brd 4m	**36.09**	ea	2	C		1	1	N
80426	**33P3P04B-09**	176	MIC, 3 pole DC sngl key str male/90d male brd 4m	**34.70**	ea	2	C		1	1	N
80492	**33P3P04B-99**	176	MIC, 3 pole DC sngl key 90d male/90d male brd 4m	**33.35**	ea	2	C		1	1	N
81272	**33P3P04D**	178	MIC, 3 pole DC sngl key male str/male str shld 4m	**81.88**	ea	2	C		1	1	N
80544	**33P3P05**	174	MIC, 3 pole DC sngl key str male/str male 5m	**30.00**	ea	2	C		1	1	N
80424	**33P3P05-09**	176	MIC, 3 pole DC sngl key str male/90d male 5m	**30.00**	ea	2	C		1	1	N
80490	**33P3P05-99**	176	MIC, 3 pole DC sngl key 90d male/90d male 5m	**30.00**	ea	2	C		1	1	N
80547	**33P3P05B**	174	MIC, 3 pole DC sngl key str male/str male brd 5m	**39.29**	ea	2	C		1	1	N
80427	**33P3P05B-09**	176	MIC, 3 pole DC sngl key str male/90d male brd 5m	**39.29**	ea	2	C		1	1	N
80493	**33P3P05B-99**	176	MIC, 3 pole DC sngl key 90d male/90d male brd 5m	**39.29**	ea	2	C		1	1	N
81273	**33P3P05D**	178	MIC, 3 pole DC sngl key str male/str male shld 5m	**87.22**	ea	2	C		1	1	N
80404	**33P3S02**	174	MIC, 3 pole DC sngl key str male/str fem 2m	**24.52**	ea	2	C		1	1	N
80494	**33P3S02-99**	175	MIC, 3 pole DC sngl key 90d male/90d fem 2m	**22.06**	ea	2	C		1	1	N
80407	**33P3S02B**	174	MIC, 3 pole DC sngl key str male/str fem brd 2m	**30.23**	ea	2	C		1	1	N
80497	**33P3S02B-99**	175	MIC, 3 pole DC sngl key 90d male/90d fem brd 2m	**27.53**	ea	2	C		1	1	N
81274	**33P3S02D**	178	MIC, 3 pole DC sngl key male str/fem str shld 2m	**75.79**	ea	2	C		1	1	N
80405	**33P3S04**	174	MIC, 3 pole DC sngl key str male/str fem 4m	**26.99**	ea	2	C		1	1	N
80495	**33P3S04-99**	175	MIC, 3 pole DC sngl key 90d male/90d fem 4m	**23.39**	ea	2	C		1	1	N
80408	**33P3S04B**	174	MIC, 3 pole DC sngl key str male/str fem brd 4m	**36.20**	ea	2	C		1	1	N
80498	**33P3S04B-99**	175	MIC, 3 pole DC sngl key 90d male/90d fem brd 4m	**32.23**	ea	2	C		1	1	N
81275	**33P3S04D**	178	MIC, 3 pole DC sngl key male str/fem str shld 4m	**81.88**	ea	2	C		1	1	N
80406	**33P3S05**	174	MIC, 3 pole DC sngl key str male/str fem 5m	**30.00**	ea	2	C		1	1	N
80496	**33P3S05-99**	175	MIC, 3 pole DC sngl key 90d male/90d fem 5m	**30.00**	ea	2	C		1	1	N
80409	**33P3S05B**	174	MIC, 3 pole DC sngl key str male/str fem brd 5m	**39.29**	ea	2	C		1	1	N
80499	**33P3S05B-99**	175	MIC, 3 pole DC sngl key 90d male/90d fem brd 5m	**39.29**	ea	2	C		1	1	N
81276	**33P3S05D**	178	MIC, 3 pole DC sngl key male/fem shld 5m	**87.22**	ea	2	C		1	1	N
80332	**33S02**	173	MIC, 3 pole DC sngl key fem str 2m	**15.00**	ea	2	C		1	1	N
80374	**33S02-90**	173	MIC, 3 pole DC sngl key 90d fem 2m	**13.10**	ea	2	C		1	1	N
80335	**33S02B**	173	MIC, 3 pole DC sngl key fem str brd 2m	**19.76**	ea	2	C		1	1	N
80377	**33S02B-90**	173	MIC, 3 pole DC sngl key 90d fem brd 2m	**17.68**	ea	2	C		1	1	N
81256	**33S02D**	178	MIC, 3 pole DC sngl key fem str shld 2m	**40.23**	ea	2	C		1	1	N
80333	**33S04**	173	MIC, 3 pole DC sngl key fem str 4m	**17.49**	ea	2	C		1	1	N
80375	**33S04-90**	173	MIC, 3 pole DC sngl key 90d fem 4m	**15.58**	ea	2	C		1	1	N
80336	**33S04B**	173	MIC, 3 pole DC sngl key fem str brd 4m	**25.75**	ea	2	C		1	1	N
80378	**33S04B-90**	173	MIC, 3 pole DC sngl key 90d fem brd 4m	**23.65**	ea	2	C		1	1	N
81257	**33S04D**	178	MIC, 3 pole DC sngl key fem str shld 4m	**46.32**	ea	2	C		1	1	N
80334	**33S05**	173	MIC, 3 pole DC sngl key fem str 5m	**19.58**	ea	2	C		1	1	N
80376	**33S05-90**	173	MIC, 3 pole DC sngl key 90d fem 5m	**19.58**	ea	2	C		1	1	N
80337	**33S05B**	173	MIC, 3 pole DC sngl key fem str brd 5m	**28.50**	ea	2	C		1	1	N
80379	**33S05B-90**	173	MIC, 3 pole DC sngl key 90d fem brd 5m	**28.50**	ea	2	C		1	1	N
81258	**33S05D**	178	MIC, 3 pole DC sngl key fem shld 5m	**52.15**	ea	2	C		1	1	N
80428	**33S3P02-09**	175	MIC, 3 pole DC sngl key str fem/90d male 2m	**23.03**	ea	2	C		1	1	N
80431	**33S3P02B-09**	175	MIC, 3 pole DC sngl key str fem/90d male brd 2m	**28.59**	ea	2	C		1	1	N
80429	**33S3P04-09**	175	MIC, 3 pole DC sngl key str fem/90d male 4m	**25.38**	ea	2	C		1	1	N
80432	**33S3P04B-09**	175	MIC, 3 pole DC sngl key str fem/90d male brd 4m	**34.42**	ea	2	C		1	1	N
80430	**33S3P05-09**	175	MIC, 3 pole DC sngl key str fem/90d male 5m	**30.00**	ea	2	C		1	1	N
80433	**33S3P05B-09**	175	MIC, 3 pole DC sngl key str fem/90d male brd 5m	**39.29**	ea	2	C		1	1	N
80548	**33S3S02**	174	MIC, 3 pole DC sngl key str fem/str fem 2m	**24.43**	ea	2	C		1	1	N
80434	**33S3S02-09**	176	MIC, 3 pole DC sngl key str fem/90d fem 2m	**22.38**	ea	2	C		1	1	N
80500	**33S3S02-99**	176	MIC, 3 pole DC sngl key 90d fem/90d fem 2m	**20.09**	ea	2	C		1	1	N
80551	**33S3S02B**	174	MIC, 3 pole DC sngl key str fem/str fem brd 2m	**30.13**	ea	2	C		1	1	N
80437	**33S3S02B-09**	176	MIC, 3 pole DC sngl key str fem/90d fem brd 2m	**27.88**	ea	2	C		1	1	N
80503	**33S3S02B-99**	176	MIC, 3 pole DC sngl key 90d fem/90d fem brd 2m	**25.35**	ea	2	C		1	1	N
81277	**33S3S02D**	178	MIC, 3 pole DC sngl key fem str/fem str shld 2m	**75.79**	ea	2	C		1	1	N
80549	**33S3S04**	174	MIC, 3 pole DC sngl key str fem/str fem 4m	**26.70**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80435	**33S3S04-09**	176	MIC,3 pole DC sngl key str fem/90d fem 4m	**24.79**	ea	2	C		1	1	N
80501	**33S3S04-99**	176	MIC,3 pole DC sngl key 90d fem/90d fem 4m	**22.55**	ea	2	C		1	1	N
80552	**33S3S04B**	174	MIC,3 pole DC sngl key str fem/str fem brd 4m	**35.89**	ea	2	C		1	1	N
80438	**33S3S04B-09**	176	MIC,3 pole DC sngl key str fem/90d fem brd 4m	**33.79**	ea	2	C		1	1	N
80504	**33S3S04B-99**	176	MIC,3 pole DC sngl key 90d fem/90d fem brd 4m	**31.32**	ea	2	C		1	1	N
81278	**33S3S04D**	178	MIC,3 pole DC sngl key fem str/fem str shld 4m	**81.88**	ea	2	C		1	1	N
80550	**33S3S05**	174	MIC,3 pole DC sngl key str fem/str fem 5m	**30.00**	ea	2	C		1	1	N
80436	**33S3S05-09**	176	MIC,3 pole DC sngl key str fem/90d fem 5m	**30.00**	ea	2	C		1	1	N
80502	**33S3S05-99**	176	MIC,3 pole DC sngl key 90d fem/90d fem 5m	**30.00**	ea	2	C		1	1	N
80553	**33S3S05B**	174	MIC,3 pole DC sngl key str fem/str fem brd 5m	**39.29**	ea	2	C		1	1	N
80439	**33S3S05B-09**	176	MIC,3 pole DC sngl key str fem/90d fem brd 5m	**39.29**	ea	2	C		1	1	N
80505	**33S3S05B-99**	176	MIC,3 pole DC sngl key 90d fem/90d fem brd 5m	**39.29**	ea	2	C		1	1	N
81279	**33S3S05D**	178	MIC,3 pole DC sngl key fem/fem shld 5m	**87.22**	ea	2	C		1	1	N
81259	**34P01D**	178	MIC,4 pole DC sngl key male str shld 1m	**41.99**	ea	2	C		1	1	N
80338	**34P02**	173	MIC,4 pole DC sngl key male str 2m	**17.28**	ea	2	C		1	1	N
80380	**34P02-90**	173	MIC,4 pole DC sngl key 90d male 2m	**15.23**	ea	2	C		1	1	N
80341	**34P02B**	173	MIC,4 pole DC sngl key male str brd 2m	**20.53**	ea	2	C		1	1	N
80383	**34P02B-90**	173	MIC,4 pole DC sngl key 90d male brd 2m	**20.00**	ea	2	C		1	1	N
81260	**34P02D**	178	MIC,4 pole DC sngl key male str shld 2m	**48.82**	ea	2	C		1	1	N
80339	**34P04**	173	MIC,4 pole DC sngl key male str 4m	**20.50**	ea	2	C		1	1	N
80381	**34P04-90**	173	MIC,4 pole DC sngl key 90d male 4m	**18.18**	ea	2	C		1	1	N
80342	**34P04B**	173	MIC,4 pole DC sngl key male str brd 4m	**27.02**	ea	2	C		1	1	N
80384	**34P04B-90**	173	MIC,4 pole DC sngl key 90d male brd 4m	**26.50**	ea	2	C		1	1	N
81261	**34P04D**	178	MIC,4 pole DC sngl key male str shld 4m	**55.29**	ea	2	C		1	1	N
80340	**34P05**	173	MIC,4 pole DC sngl key male str 5m	**22.50**	ea	2	C		1	1	N
80382	**34P05-90**	173	MIC,4 pole DC sngl key 90d male 5m	**22.50**	ea	2	C		1	1	N
80343	**34P05B**	173	MIC,4 pole DC sngl key male str brd 5m	**29.65**	ea	2	C		1	1	N
80385	**34P05B-90**	173	MIC,4 pole DC sngl key 90d male brd 5m	**29.65**	ea	2	C		1	1	N
80554	**34P4P02**	174	MIC,4 pole DC sngl key str male/str male 2m	**28.10**	ea	2	C		1	1	N
80440	**34P4P02-09**	176	MIC,4 pole DC sngl key str male/90d male 2m	**27.52**	ea	2	C		1	1	N
80506	**34P4P02-99**	176	MIC,4 pole DC sngl key 90d male/90d male 2m	**27.03**	ea	2	C		1	1	N
80557	**34P4P02B**	174	MIC,4 pole DC sngl key str male/str male brd 2m	**31.36**	ea	2	C		1	1	N
80443	**34P4P02B-09**	176	MIC,4 pole DC sngl key str male/90d male brd 2m	**30.78**	ea	2	C		1	1	N
80509	**34P4P02B-99**	176	MIC,4 pole DC sngl key 90d male/90d male brd 2m	**30.29**	ea	2	C		1	1	N
81280	**34P4P02D**	178	MIC,4 pole DC sngl key male str/male str shld 2m	**78.58**	ea	2	C		1	1	N
80555	**34P4P04**	174	MIC,4 pole DC sngl key str male/str male 4m	**31.35**	ea	2	C		1	1	N
80441	**34P4P04-09**	176	MIC,4 pole DC sngl key str male/90d male 4m	**30.76**	ea	2	C		1	1	N
80507	**34P4P04-99**	176	MIC,4 pole DC sngl key 90d male/90d male 4m	**30.76**	ea	2	C		1	1	N
80558	**34P4P04B**	174	MIC,4 pole DC sngl key str male/str male brd 4m	**37.86**	ea	2	C		1	1	N
80444	**34P4P04B-09**	176	MIC,4 pole DC sngl key str male/90d male brd 4m	**37.28**	ea	2	C		1	1	N
80510	**34P4P04B-99**	176	MIC,4 pole DC sngl key 90d male/90d male brd 4m	**37.28**	ea	2	C		1	1	N
81281	**34P4P04D**	178	MIC,4 pole DC sngl key male str/male str shld 4m	**85.40**	ea	2	C		1	1	N
80556	**34P4P05**	174	MIC,4 pole DC sngl key str male/str male 5m	**33.58**	ea	2	C		1	1	N
80442	**34P4P05-09**	176	MIC,4 pole DC sngl key str male/90d male 5m	**33.58**	ea	2	C		1	1	N
80508	**34P4P05-99**	176	MIC,4 pole DC sngl key 90d male/90d male 5m	**33.58**	ea	2	C		1	1	N
80559	**34P4P05B**	174	MIC,4 pole DC sngl key str male/str male brd 5m	**40.36**	ea	2	C		1	1	N
80445	**34P4P05B-09**	176	MIC,4 pole DC sngl key str male/90d male brd 5m	**40.36**	ea	2	C		1	1	N
80511	**34P4P05B-99**	176	MIC,4 pole DC sngl key 90d male/90d male brd 5m	**40.36**	ea	2	C		1	1	N
81282	**34P4P05D**	178	MIC,4 pole DC sngl key male/male shld 5m	**91.29**	ea	2	C		1	1	N
80410	**34P4S02**	174	MIC,4 pole DC sngl key str male/str fem 2m	**27.36**	ea	2	C		1	1	N
80446	**34P4S02-09**	175	MIC,4 pole DC sngl key str male/90d fem 2m	**25.25**	ea	2	C		1	1	N
80512	**34P4S02-99**	175	MIC,4 pole DC sngl key 90d male/90d fem 2m	**24.70**	ea	2	C		1	1	N
80413	**34P4S02B**	174	MIC,4 pole DC sngl key str male/str fem brd 2m	**30.62**	ea	2	C		1	1	N
80449	**34P4S02B-09**	175	MIC,4 pole DC sngl key str male/90d fem brd 2m	**28.50**	ea	2	C		1	1	N
80515	**34P4S02B-99**	175	MIC,4 pole DC sngl key 90d male/90d fem brd 2m	**27.96**	ea	2	C		1	1	N
81283	**34P4S02D**	178	MIC,4 pole DC sngl key male str/fem str shld 2m	**78.58**	ea	2	C		1	1	N
80411	**34P4S04**	174	MIC,4 pole DC sngl key str male/str fem 4m	**30.60**	ea	2	C		1	1	N
80447	**34P4S04-09**	175	MIC,4 pole DC sngl key str male/90d fem 4m	**28.49**	ea	2	C		1	1	N
80513	**34P4S04-99**	175	MIC,4 pole DC sngl key 90d male/90d fem 4m	**31.73**	ea	2	C		1	1	N
80414	**34P4S04B**	174	MIC,4 pole DC sngl key str male/str fem brd 4m	**37.12**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80450	**34P4S04B-09**	175	MIC, 4 pole DC sngl key str male/90d fem brd 4m	**35.00**	ea	2	C		1	1	N
80516	**34P4S04B-99**	175	MIC, 4 pole DC sngl key 90d male/90d fem brd 4m	**38.25**	ea	2	C		1	1	N
81284	**34P4S04D**	178	MIC, 4 pole DC sngl key male str/fem str shld 4m	**85.40**	ea	2	C		1	1	N
80412	**34P4S05**	174	MIC, 4 pole DC sngl key str male/str fem 5m	**33.93**	ea	2	C		1	1	N
80448	**34P4S05-09**	175	MIC, 4 pole DC sngl key str male/90d fem 5m	**33.58**	ea	2	C		1	1	N
80514	**34P4S05-99**	175	MIC, 4 pole DC sngl key 90d male/90d fem 5m	**33.58**	ea	2	C		1	1	N
80415	**34P4S05B**	174	MIC, 4 pole DC sngl key str male/str fem brd 5m	**41.08**	ea	2	C		1	1	N
80451	**34P4S05B-09**	175	MIC, 4 pole DC sngl key str male/90d fem brd 5m	**40.36**	ea	2	C		1	1	N
80517	**34P4S05B-99**	175	MIC, 4 pole DC sngl key 90d male/90d fem brd 5m	**40.36**	ea	2	C		1	1	N
81285	**34P4S05D**	178	MIC, 4 pole DC sngl key male/fem shld 5m	**91.29**	ea	2	C		1	1	N
80344	**34S02**	173	MIC, 4 pole DC sngl key fem str 2m	**16.55**	ea	2	C		1	1	N
80386	**34S02-90**	173	MIC, 4 pole DC sngl key 90d fem 2m	**13.13**	ea	2	C		1	1	N
80347	**34S02B**	173	MIC, 4 pole DC sngl key fem str brd 2m	**19.80**	ea	2	C		1	1	N
80389	**34S02B-90**	173	MIC, 4 pole DC sngl key 90d fem brd 2m	**17.70**	ea	2	C		1	1	N
81262	**34S02D**	178	MIC, 4 pole DC sngl key fem str shld 2m	**41.99**	ea	2	C		1	1	N
80345	**34S04**	173	MIC, 4 pole DC sngl key fem str 4m	**19.79**	ea	2	C		1	1	N
80387	**34S04-90**	173	MIC, 4 pole DC sngl key 90d fem 4m	**16.09**	ea	2	C		1	1	N
80348	**34S04B**	173	MIC, 4 pole DC sngl key fem str brd 4m	**26.30**	ea	2	C		1	1	N
80390	**34S04B-90**	173	MIC, 4 pole DC sngl key 90d fem brd 4m	**24.20**	ea	2	C		1	1	N
81263	**34S04D**	178	MIC, 4 pole DC sngl key fem str shld 4m	**48.82**	ea	2	C		1	1	N
80346	**34S05**	173	MIC, 4 pole DC sngl key fem str 5m	**22.50**	ea	2	C		1	1	N
80388	**34S05-90**	173	MIC, 4 pole DC sngl key 90d fem 5m	**22.50**	ea	2	C		1	1	N
80349	**34S05B**	173	MIC, 4 pole DC sngl key fem str brd 5m	**29.65**	ea	2	C		1	1	N
80391	**34S05B-90**	173	MIC, 4 pole DC sngl key 90d fem brd 5m	**29.65**	ea	2	C		1	1	N
81264	**34S05D**	178	MIC, 4 pole DC sngl key fem shld 5m	**55.29**	ea	2	C		1	1	N
80452	**34S4P02-09**	175	MIC, 4 pole DC sngl key str fem/90d male 2m	**26.79**	ea	2	C		1	1	N
80455	**34S4P02B-09**	175	MIC, 4 pole DC sngl key str fem/90d male brd 2m	**30.05**	ea	2	C		1	1	N
80453	**34S4P04-09**	175	MIC, 4 pole DC sngl key str fem/90d male 4m	**30.03**	ea	2	C		1	1	N
80456	**34S4P04B-09**	175	MIC, 4 pole DC sngl key str fem/90d male brd 4m	**36.55**	ea	2	C		1	1	N
80454	**34S4P05-09**	175	MIC, 4 pole DC sngl key str fem/90d male 5m	**33.58**	ea	2	C		1	1	N
80457	**34S4P05B-09**	175	MIC, 4 pole DC sngl key str fem/90d male brd 5m	**40.36**	ea	2	C		1	1	N
80560	**34S4S02**	174	MIC, 4 pole DC sngl key str fem/str fem 2m	**26.36**	ea	2	C		1	1	N
80458	**34S4S02-09**	176	MIC, 4 pole DC sngl key str fem/90d fem 2m	**24.22**	ea	2	C		1	1	N
80518	**34S4S02-99**	176	MIC, 4 pole DC sngl key 90d fem/90d fem 2m	**22.43**	ea	2	C		1	1	N
80563	**34S4S02B**	174	MIC, 4 pole DC sngl key str fem/str fem brd 2m	**29.62**	ea	2	C		1	1	N
80461	**34S4S02B-09**	176	MIC, 4 pole DC sngl key str fem/90d fem brd 2m	**27.48**	ea	2	C		1	1	N
80521	**34S4S02B-99**	176	MIC, 4 pole DC sngl key 90d fem/90d fem brd 2m	**25.69**	ea	2	C		1	1	N
81286	**34S4S02D**	178	MIC, 4 pole DC sngl key fem str/fem str shld 2m	**78.58**	ea	2	C		1	1	N
80561	**34S4S04**	174	MI C, 4 pole DC sngl key str fem/str fem 4m	**29.35**	ea	2	C		1	1	N
80459	**34S4S04-09**	176	MIC, 4 pole DC sngl key str fem/90d fem 4m	**27.23**	ea	2	C		1	1	N
80519	**34S4S04-99**	176	MIC, 4 pole DC sngl key 90d fem/90d fem 4m	**25.68**	ea	2	C		1	1	N
80564	**34S4S04B**	174	MI C, 4 pole DC sngl key str fem/str fem brd 4m	**35.86**	ea	2	C		1	1	N
80462	**34S4S04B-09**	176	MIC, 4 pole DC sngl key str fem/90d fem brd 4m	**33.75**	ea	2	C		1	1	N
80522	**34S4S04B-99**	176	MIC, 4 pole DC sngl key 90d fem/90d fem brd 4m	**32.19**	ea	2	C		1	1	N
81287	**34S4S04D**	178	MIC, 4 pole DC sngl key fem str/fem str shld 4m	**85.40**	ea	2	C		1	1	N
80562	**34S4S05**	174	MIC, 4 pole DC sngl key str fem/str fem 5m	**33.58**	ea	2	C		1	1	N
80460	**34S4S05-09**	176	MIC, 4 pole DC sngl key str fem/90d fem 5m	**33.58**	ea	2	C		1	1	N
80520	**34S4S05-99**	176	MIC, 4 pole DC sngl key 90d fem/90d fem 5m	**33.58**	ea	2	C		1	1	N
80565	**34S4S05B**	174	MI C, 4 pole DC sngl key str fem/str fem brd 5m	**40.36**	ea	2	C		1	1	N
80463	**34S4S05B-09**	176	MIC, 4 pole DC sngl key str fem/90d fem brd 5m	**40.36**	ea	2	C		1	1	N
80523	**34S4S05B-99**	176	MIC, 4 pole DC sngl key 90d fem/90d fem brd 5m	**40.36**	ea	2	C		1	1	N
81288	**34S4S05D**	178	MIC, 4 pole DC sngl key fem/fem shld 5m	**91.29**	ea	2	C		1	1	N
80350	**35P02**	173	MIC, 5 pole DC sngl key male str 2m	**19.13**	ea	2	C		1	1	N
80392	**35P02-90**	173	MIC, 5 pole DC sngl key 90d male 2m	**16.20**	ea	2	C		1	1	N
80353	**35P02B**	173	MIC, 5 pole DC sngl key male str brd 2m	**22.39**	ea	2	C		1	1	N
80395	**35P02B-90**	173	MIC, 5 pole DC sngl key 90d male brd 2m	**21.08**	ea	2	C		1	1	N
81265	**35P02D**	178	MIC, 5 pole DC sngl key male str shld 2m	**43.40**	ea	2	C		1	1	N
80351	**35P04**	173	MIC, 5 pole DC sngl key male str 4m	**23.00**	ea	2	C		1	1	N
80393	**35P04-90**	173	MIC, 5 pole DC sngl key 90d male 4m	**19.72**	ea	2	C		1	1	N
80354	**35P04B**	173	MIC, 5 pole DC sngl key male str brd 4m	**29.52**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80396	**35P04B-90**	173	MIC, 5 pole DC sngl key 90d male brd 4m	**28.20**	ea	2	C		1	1	N
81266	**35P04D**	178	MIC, 5 pole DC sngl key male str shld 4m	**51.88**	ea	2	C		1	1	N
80352	**35P05**	173	MIC, 5 pole DC sngl key male str 5m	**25.36**	ea	2	C		1	1	N
80394	**35P05-90**	173	MIC, 5 pole DC sngl key 90d male 5m	**25.36**	ea	2	C		1	1	N
80355	**35P05B**	173	MIC, 5 pole DC sngl key male str brd 5m	**32.43**	ea	2	C		1	1	N
80397	**35P05B-90**	173	MIC, 5 pole DC sngl key 90d male brd 5m	**32.43**	ea	2	C		1	1	N
81267	**35P05D**	178	MIC, 5 pole DC sngl key male shld 5m	**57.50**	ea	2	C		1	1	N
80566	**35P5P02**	174	MIC, 5 pole DC sngl key str male/str male 2m	**31.23**	ea	2	C		1	1	N
80464	**35P5P02-09**	176	MIC, 5 pole DC sngl key str male/90d male 2m	**29.89**	ea	2	C		1	1	N
80524	**35P5P02-99**	176	MIC, 5 pole DC sngl key 90d male/90d male 2m	**40.49**	ea	2	C		1	1	N
80569	**35P5P02B**	174	MIC, 5 pole DC sngl key str male/str male brd 2m	**34.49**	ea	2	C		1	1	N
80467	**35P5P02B-09**	176	MIC, 5 pole DC sngl key str male/90d male brd 2m	**33.15**	ea	2	C		1	1	N
80527	**35P5P02B-99**	176	MIC, 5 pole DC sngl key 90d male/90d male brd 2m	**43.75**	ea	2	C		1	1	N
81289	**35P5P02D**	178	MIC, 5 pole DC sngl key male str/male str shld 2m	**81.68**	ea	2	C		1	1	N
80567	**35P5P04**	174	MIC, 5 pole DC sngl key str male/str male 4m	**35.09**	ea	2	C		1	1	N
80465	**35P5P04-09**	176	MIC, 5 pole DC sngl key str male/90d male 4m	**33.76**	ea	2	C		1	1	N
80525	**35P5P04-99**	176	MIC, 5 pole DC sngl key 90d male/90d male 4m	**32.46**	ea	2	C		1	1	N
80570	**35P5P04B**	174	MIC, 5 pole DC sngl key str male/str male brd 4m	**41.60**	ea	2	C		1	1	N
80468	**35P5P04B-09**	176	MIC, 5 pole DC sngl key str male/90d male brd 4m	**40.28**	ea	2	C		1	1	N
80528	**35P5P04B-99**	176	MIC, 5 pole DC sngl key 90d male/90d male brd 4m	**38.98**	ea	2	C		1	1	N
81290	**35P5P04D**	178	MIC, 5 pole DC sngl key male str/male str shld 4m	**89.50**	ea	2	C		1	1	N
80568	**35P5P05**	174	MIC, 5 pole DC sngl key str male/str male 5m	**35.93**	ea	2	C		1	1	N
80466	**35P5P05-09**	176	MIC, 5 pole DC sngl key str male/90d male 5m	**35.93**	ea	2	C		1	1	N
80526	**35P5P05-99**	176	MIC, 5 pole DC sngl key 90d male/90d male 5m	**35.93**	ea	2	C		1	1	N
80571	**35P5P05B**	174	MIC, 5 pole DC sngl key str male/str male brd 5m	**41.79**	ea	2	C		1	1	N
80469	**35P5P05B-09**	176	MIC, 5 pole DC sngl key str male/90d male brd 5m	**41.79**	ea	2	C		1	1	N
80529	**35P5P05B-99**	176	MIC, 5 pole DC sngl key 90d male/90d male brd 5m	**41.79**	ea	2	C		1	1	N
81291	**35P5P05D**	178	MIC, 5 pole DC sngl key male/male shld 5m	**94.72**	ea	2	C		1	1	N
80416	**35P5S02**	174	MIC, 5 pole DC sngl key str male/str fem 2m	**31.58**	ea	2	C		1	1	N
80470	**35P5S02-09**	175	MIC, 5 pole DC sngl key str male/90d fem 2m	**29.16**	ea	2	C		1	1	N
80530	**35P5S02-99**	175	MIC, 5 pole DC sngl key 90d male/90d fem 2m	**28.19**	ea	2	C		1	1	N
80419	**35P5S02B**	174	MIC, 5 pole DC sngl key str male/str fem brd 2m	**34.83**	ea	2	C		1	1	N
80473	**35P5S02B-09**	175	MIC, 5 pole DC sngl key str male/90d fem brd 2m	**32.42**	ea	2	C		1	1	N
80533	**35P5S02B-99**	175	MIC, 5 pole DC sngl key 90d male/90d fem brd 2m	**31.45**	ea	2	C		1	1	N
81292	**35P5S02D**	178	MIC, 5 pole DC sngl key male str/fem str shld 2m	**81.68**	ea	2	C		1	1	N
80417	**35P5S04**	174	MIC, 5 pole DC sngl key str male/str fem 4m	**35.15**	ea	2	C		1	1	N
80471	**35P5S04-09**	175	MIC, 5 pole DC sngl key str male/90d fem 4m	**32.70**	ea	2	C		1	1	N
80531	**35P5S04-99**	175	MIC, 5 pole DC sngl key 90d male/90d fem 4m	**32.05**	ea	2	C		1	1	N
80420	**35P5S04B**	174	MIC, 5 pole DC sngl key str male/str fem brd 4m	**41.66**	ea	2	C		1	1	N
80474	**35P5S04B-09**	175	MIC, 5 pole DC sngl key str male/90d fem brd 4m	**39.22**	ea	2	C		1	1	N
80534	**35P5S04B-99**	175	MIC, 5 pole DC sngl key 90d male/90d fem brd 4m	**38.56**	ea	2	C		1	1	N
81293	**35P5S04D**	178	MIC, 5 pole DC sngl key male str/fem str shld 4m	**89.50**	ea	2	C		1	1	N
80418	**35P5S05**	174	MIC, 5 pole DC sngl key str male/str fem 5m	**37.50**	ea	2	C		1	1	N
80472	**35P5S05-09**	175	MIC, 5 pole DC sngl key str male/90d fem 5m	**35.93**	ea	2	C		1	1	N
80532	**35P5S05-99**	175	MIC, 5 pole DC sngl key 90d male/90d fem 5m	**35.93**	ea	2	C		1	1	N
80421	**35P5S05B**	174	MIC, 5 pole DC sngl key str male/str fem brd 5m	**43.93**	ea	2	C		1	1	N
80475	**35P5S05B-09**	175	MIC, 5 pole DC sngl key str male/90d fem brd 5m	**41.79**	ea	2	C		1	1	N
80535	**35P5S05B-99**	175	MIC, 5 pole DC sngl key 90d male/90d fem brd 5m	**41.79**	ea	2	C		1	1	N
81294	**35P5S05D**	178	MIC, 5 pole DC sngl key male/fem shld 5m	**94.72**	ea	2	C		1	1	N
80356	**35S02**	173	MIC, 5 pole DC sngl key fem str 2m	**19.50**	ea	2	C		1	1	N
80398	**35S02-90**	173	MIC, 5 pole DC sngl key 90d fem 2m	**15.85**	ea	2	C		1	1	N
80359	**35S02B**	173	MIC, 5 pole DC sngl key fem str brd 2m	**22.76**	ea	2	C		1	1	N
80401	**35S02B-90**	173	MIC, 5 pole DC sngl key 90d fem brd 2m	**20.69**	ea	2	C		1	1	N
81268	**35S02D**	178	MIC, 5 pole DC sngl key fem str shld 2m	**43.40**	ea	2	C		1	1	N
80357	**35S04**	173	MIC, 5 pole DC sngl key fem str 4m	**23.36**	ea	2	C		1	1	N
80399	**35S04-90**	173	MIC, 5 pole DC sngl key 90d fem 4m	**19.36**	ea	2	C		1	1	N
80360	**35S04B**	173	MIC, 5 pole DC sngl key fem str brd 4m	**29.88**	ea	2	C		1	1	N
80402	**35S04B-90**	173	MIC, 5 pole DC sngl key 90d fem brd 4m	**27.80**	ea	2	C		1	1	N
81269	**35S04D**	178	MIC, 5 pole DC sngl key fem str shld 4m	**51.88**	ea	2	C		1	1	N
80358	**35S05**	173	MIC, 5 pole DC sngl key fem str 5m	**25.36**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80400	**35S05-90**	173	MIC, 5 pole DC sngl key 90d fem 5m	**25.36**	ea	2	C		1	1	N
80361	**35S05B**	173	MIC, 5 pole DC sngl key fem str brd 5m	**32.43**	ea	2	C		1	1	N
80403	**35S05B-90**	173	MIC, 5 pole DC sngl key 90d fem brd 5m	**32.43**	ea	2	C		1	1	N
81270	**35S05D**	178	MIC, 5 pole DC sngl key fem shld 5m	**57.50**	ea	2	C		1	1	N
80476	**35S5P02-09**	175	MIC, 5 pole DC sngl key str fem/90d male 2m	**30.23**	ea	2	C		1	1	N
80479	**35S5P02B-09**	175	MIC, 5 pole DC sngl key str fem/90d male brd 2m	**33.49**	ea	2	C		1	1	N
80477	**35S5P04-09**	175	MIC, 5 pole DC sngl key str fem/90d male 4m	**34.10**	ea	2	C		1	1	N
80480	**35S5P04B-09**	175	MIC, 5 pole DC sngl key str fem/90d male brd 4m	**40.62**	ea	2	C		1	1	N
80478	**35S5P05-09**	175	MIC, 5 pole DC sngl key str fem/90d male 5m	**35.93**	ea	2	C		1	1	N
80481	**35S5P05B-09**	175	MIC, 5 pole DC sngl key str fem/90d male brd 5m	**41.79**	ea	2	C		1	1	N
80572	**35S5S02**	174	MIC, 5 pole DC sngl key str fem/str fem 2m	**31.60**	ea	2	C		1	1	N
80482	**35S5S02-09**	176	MIC, 5 pole DC sngl key str fem/90d fem 2m	**29.85**	ea	2	C		1	1	N
80536	**35S5S02-99**	176	MIC, 5 pole DC sngl key 90d fem/90d fem 2m	**39.68**	ea	2	C		1	1	N
80575	**35S5S02B**	174	MIC, 5 pole DC sngl key str fem/str fem brd 2m	**34.86**	ea	2	C		1	1	N
80485	**35S5S02B-09**	176	MIC, 5 pole DC sngl key str fem/90d fem brd 2m	**33.10**	ea	2	C		1	1	N
80539	**35S5S02B-99**	176	MIC, 5 pole DC sngl key 90d fem/90d fem brd 2m	**42.93**	ea	2	C		1	1	N
81295	**35S5S02D**	178	MIC, 5 pole DC sngl key fem str/fem str shld 2m	**81.68**	ea	2	C		1	1	N
80573	**35S5S04**	174	MIC, 5 pole DC sngl key str fem/str fem 4m	**35.43**	ea	2	C		1	1	N
80483	**35S5S04-09**	176	MIC, 5 pole DC sngl key str fem/90d fem 4m	**33.72**	ea	2	C		1	1	N
80537	**35S5S04-99**	176	MIC, 5 pole DC sngl key 90d fem/90d fem 4m	**43.50**	ea	2	C		1	1	N
80576	**35S5S04B**	174	MIC, 5 pole DC sngl key str fem/str fem brd 4m	**41.95**	ea	2	C		1	1	N
80486	**35S5S04B-09**	176	MIC, 5 pole DC sngl key str fem/90d fem brd 4m	**40.23**	ea	2	C		1	1	N
80540	**35S5S04B-99**	176	MIC, 5 pole DC sngl key 90d fem/90d fem brd 4m	**50.02**	ea	2	C		1	1	N
81296	**35S5S04D**	178	MIC, 5 pole DC sngl key fem str/fem str shld 4m	**89.50**	ea	2	C		1	1	N
80574	**35S5S05**	174	MIC, 5 pole DC sngl key str fem/str fem 5m	**35.93**	ea	2	C		1	1	N
80484	**35S5S05-09**	176	MIC, 5 pole DC sngl key str fem/90d fem 5m	**35.93**	ea	2	C		1	1	N
80538	**35S5S05-99**	176	MIC, 5 pole DC sngl key 90d fem/90d fem 5m	**35.93**	ea	2	C		1	1	N
80577	**35S5S05B**	174	MIC, 5 pole DC sngl key str fem/str fem brd 5m	**41.79**	ea	2	C		1	1	N
80487	**35S5S05B-09**	176	MIC, 5 pole DC sngl key str fem/90d fem brd 5m	**41.79**	ea	2	C		1	1	N
80541	**35S5S05B-99**	176	MIC, 5 pole DC sngl key 90d fem/90d fem brd 5m	**41.79**	ea	2	C		1	1	N
81297	**35S5S05D**	178	MIC, 5 pole DC sngl key fem/fem shld 5m	**94.72**	ea	2	C		1	1	N
55124	**360BA3S**	192	IEC309 Inlt Ang80 2P3W, 60A/250VDC, SP	**132.86**	ea	2	C		5	1	N
55116	**360BA3W**	191	IEC309 Inlt Ang80 2P3W, 60A/250VDC, WT	**156.43**	ea	2	C		5	1	N
55121	**360BA4S**	192	IEC309 Inlt Ang80 2P3W, 60A/125V, SP	**132.86**	ea	2	C	0.312	5	1	N
55115	**360BA4W**	191	IEC309 Inlt Ang80 2P3W, 60A/125V, WT	**156.43**	ea	2	C	0.312	5	1	N
55118	**360BA5S**	192	IEC309 Inlt Ang80 2P3W, 60A/277V, SP	**132.86**	ea	2	C	0.312	5	1	N
55120	**360BA5W**	191	IEC309 Inlt Ang80 2P3W, 60A/277V, WT	**156.43**	ea	2	C	0.312	5	1	N
55123	**360BA6S**	192	IEC309 Inlt Ang80 2P3W, 60A/250V, SP	**132.86**	ea	2	C	0.312	5	1	N
55122	**360BA6W**	191	IEC309 Inlt Ang80 2P3W, 60A/250V, WT	**156.43**	ea	2	C	0.312	5	1	N
55117	**360BA7S**	192	IEC309 Inlt Ang80 2P3W, 60A/480V, SP	**132.86**	ea	2	C	0.312	5	1	N
55119	**360BA7W**	191	IEC309 Inlt Ang80 2P3W, 60A/480V, WT	**156.43**	ea	2	C	0.312	5	1	N
54406	**360C3E**	193	IEC309 Conn 2P3W, 60A/250VDC, SP, CS	**141.79**	ea	2	C		5	1	N
54410	**360C3S**	192	IEC309 Conn 2P3W, 60A/250VDC, SP, CG	**165.21**	ea	2	C		5	1	N
54412	**360C3W**	191	IEC309 Conn 2P3W, 60A/250VDC, WT	**173.00**	ea	2	C		5	1	N
54409	**360C4E**	193	IEC309 Conn 2P3W, 60A/125V, SP, CS	**141.79**	ea	2	C		5	1	N
54413	**360C4S**	192	IEC309 Conn 2P3W, 60A/125V, SP, CG	**165.21**	ea	2	C	1.1	5	1	N
54401	**360C4W**	191	IEC309 Conn 2P3W, 60A/125V, WT	**173.00**	ea	2	C		5	1	N
54403	**360C5E**	193	IEC309 Conn 2P3W, 60A/277V, SP, CS	**141.79**	ea	2	C		5	1	N
54400	**360C5S**	192	IEC309 Conn 2P3W, 60A/277V, SP, CG	**165.21**	ea	2	C	1.1	5	1	N
54402	**360C5W**	191	IEC309 Conn 2P3W, 60A/277V, WT	**173.00**	ea	2	C		5	1	N
54408	**360C6E**	193	IEC309 Conn 2P3W, 60A/250V, SP, CS	**141.79**	ea	2	C		5	1	N
54405	**360C6S**	192	IEC309 Conn 2P3W, 60A/250V, SP, CG	**165.21**	ea	2	C	1.1	5	1	N
54407	**360C6W**	191	IEC309 Conn 2P3W, 60A/250V, WT	**173.00**	ea	2	C		5	1	N
54411	**360C7E**	193	IEC309 Conn 2P3W, 60A/480V, SP, CS	**141.79**	ea	2	C		5	1	N
54404	**360C7S**	192	IEC309 Conn 2P3W, 60A/480V, SP, CG	**165.21**	ea	2	C	1.1	5	1	N
54414	**360C7W**	191	IEC309 Conn 2P3W, 60A/480V, WT	**173.00**	ea	2	C		5	1	N
54988	**360MI4S**	194	IEC309 MI 2P3W 60A/120V, SP	**642.86**	ea	2	C		1	1	N
54986	**360MI5S**	194	IEC309 MI 2P3W 60A/277V, SP	**642.86**	ea	2	C		1	1	N
54979	**360MI6S**	194	IEC309 MI 2P3W 60A/240V, SP	**642.86**	ea	2	C		1	1	N
54978	**360MI7S**	194	IEC309 MI 2P3W 60A/480V, SP	**642.86**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard		Symbol N/S
									Ctn.	Pkg.	
Suggested Resale Price Sheet No. 37											
54437	**360P3E**	193	IEC309 Plug 2P3W, 60A/250VDC, SP, CS	**107.36**	ea	2	C		5	1	N
54426	**360P3S**	192	IEC309 Plug 2P3W, 60A/250VDC, SP, CG	**128.07**	ea	2	C		5	1	N
54436	**360P3W**	191	IEC309 Plug 2P3W, 60A/250VDC, WT	**144.64**	ea	2	C		5	1	N
54427	**360P4E**	193	IEC309 Plug 2P3W, 60A/125V, SP, CS	**107.36**	ea	2	C		5	1	N
54428	**360P4S**	192	IEC309 Plug 2P3W, 60A/125V, SP, CG	**128.07**	ea	2	C	1.312	5	1	N
54429	**360P4W**	191	IEC309 Plug 2P3W, 60A/125V, WT	**144.64**	ea	2	C		5	1	N
54432	**360P5E**	193	IEC309 Plug 2P3W, 60A/277V, SP, CS	**107.36**	ea	2	C		5	1	N
54431	**360P5S**	192	IEC309 Plug 2P3W, 60A/277V, SP, CG	**128.07**	ea	2	C	1.1	5	1	N
54439	**360P5W**	191	IEC309 Plug 2P3W, 60A/277V, WT	**144.64**	ea	2	C		5	1	N
54434	**360P6E**	193	IEC309 Plug 2P3W, 60A/250V, SP, CS	**107.36**	ea	2	C		5	1	N
54438	**360P6S**	192	IEC309 Plug 2P3W, 60A/250V, SP, CG	**128.07**	ea	2	C		5	1	N
54433	**360P6W**	191	IEC309 Plug 2P3W, 60A/250V, WT	**144.64**	ea	2	C		5	1	N
54430	**360P7E**	193	IEC309 Plug 2P3W, 60A/480V, SP, CS	**107.36**	ea	2	C		5	1	N
54435	**360P7S**	192	IEC309 Plug 2P3W, 60A/480V, SP, CG	**128.07**	ea	2	C	1.25	5	1	N
54425	**360P7W**	191	IEC309 Plug 2P3W, 60A/480V, WT	**144.64**	ea	2	C		5	1	N
55093	**360R3S**	192	IEC309 Rcpt, Str 2P3W, 60A/250VDC, SP	**117.79**	ea	2	C		5	1	N
55086	**360R3W**	191	IEC309 Rcpt, Str 2P3W, 60A/250VDC, WT	**136.50**	ea	2	C		5	1	N
55090	**360R4S**	192	IEC309 Rcpt, Str 2P3W, 60A/125V, SP	**117.79**	ea	2	C	1.25	5	1	N
55088	**360R4W**	191	IEC309 Rcpt, Str 2P3W, 60A/125V, WT	**136.50**	ea	2	C		5	1	N
55087	**360R5S**	192	IEC309 Rcpt, Str 2P3W, 60A/277V, SP	**117.79**	ea	2	C	1.1	5	1	N
55085	**360R5W**	191	IEC309 Rcpt, Str 2P3W, 60A/277V, WT	**136.50**	ea	2	C		5	1	N
55094	**360R6S**	192	IEC309 Rcpt, Str 2P3W, 60A/250V, SP	**117.79**	ea	2	C	1.312	5	1	N
55091	**360R6W**	191	IEC309 Rcpt, Str 2P3W, 60A/250V, WT	**136.50**	ea	2	C		5	1	N
55089	**360R7S**	192	IEC309 Rcpt, Str 2P3W, 60A/480V, SP	**117.79**	ea	2	C	1.125	5	1	N
55092	**360R7W**	191	IEC309 Rcpt, Str 2P3W, 60A/480V, WT	**136.50**	ea	2	C		5	1	N
54415	**360RA3S**	192	IEC309 Rcpt, Ang 2P3W, 60A/250VDC, SP	**117.79**	ea	2	C		5	1	N
54416	**360RA3W**	191	IEC309 Rcpt, Ang 2P3W, 60A/250VDC, WT	**136.50**	ea	2	C		5	1	N
54417	**360RA4S**	192	IEC309 Rcpt, Ang 2P3W, 60A/125V, SP	**117.79**	ea	2	C		5	1	N
54418	**360RA4W**	191	IEC309 Rcpt, Ang 2P3W, 60A/125V, WT	**136.50**	ea	2	C		5	1	N
54419	**360RA5S**	192	IEC309 Rcpt, Ang 2P3W, 60A/277V, SP	**117.79**	ea	2	C		5	1	N
54420	**360RA5W**	191	IEC309 Rcpt, Ang 2P3W, 60A/277V, WT	**136.50**	ea	2	C		5	1	N
54421	**360RA6S**	192	IEC309 Rcpt, Ang 2P3W, 60A/250V, SP	**117.79**	ea	2	C		5	1	N
54422	**360RA6W**	191	IEC309 Rcpt, Ang 2P3W, 60A/250V, WT	**136.50**	ea	2	C		5	1	N
54423	**360RA7S**	192	IEC309 Rcpt, Ang 2P3W, 60A/480V, SP	**117.79**	ea	2	C		5	1	N
54424	**360RA7W**	191	IEC309 Rcpt, Ang 2P3W, 60A/480V, WT	**136.50**	ea	2	C		5	1	N
49286	**363BA4S**	199	IEC309 Inlt, Ang 2P3W, 63A/100-130V, SP	**132.86**	ea	2	C		5	1	N
49287	**363BA4W**	198	IEC309 Inlt, Ang 2P3W, 63A/100-130V, WT	**156.43**	ea	2	C	0.312	5	1	N
49288	**363BA6S**	199	IEC309 Inlt, Ang 2P3W, 63A/220-240V, SP	**132.86**	ea	2	C		5	1	N
49289	**363BA6W**	198	IEC309 Inlt, Ang 2P3W, 63A/220-240V, WT	**156.43**	ea	2	C	0.312	5	1	N
49290	**363BA9S**	199	IEC309 Inlt, Ang 2P3W, 63A/380-415V, SP	**132.86**	ea	2	C		5	1	N
49291	**363BA9W**	198	IEC309 Inlt, Ang 2P3W, 63A/380-415V, WT	**165.57**	ea	2	C	0.312	5	1	N
49292	**363C4E**	200	IEC309 Conn 2P3W, 63A/110-130V, SP, CS	**141.79**	ea	2	C		5	1	N
49293	**363C4S**	199	IEC309 Conn 2P3W, 63A/110-130V, SP, CG	**170.00**	ea	2	C		5	1	N
49294	**363C4W**	198	IEC309 Conn 2P3W, 63A/110-130V, WT	**184.29**	ea	2	C	1.1	5	1	N
49295	**363C6E**	200	IEC309 Conn 2P3W, 63A/220-240V, SP, CS	**141.79**	ea	2	C		5	1	N
49296	**363C6S**	199	IEC309 Conn 2P3W, 63A/220-240V, SP, CG	**170.00**	ea	2	C		5	1	N
49297	**363C6W**	198	IEC309 Conn 2P3W, 63A/220-240V, WT	**184.29**	ea	2	C	1.1	5	1	N
49298	**363C9E**	200	IEC309 Conn 2P3W, 63A/380-415V, SP, CS	**141.79**	ea	2	C		5	1	N
49299	**363C9S**	199	IEC309 Conn 2P3W, 63A/380-415V, SP, CG	**170.00**	ea	2	C		5	1	N
49300	**363C9W**	198	IEC309 Conn 2P3W, 63A/380-415V, WT	**184.29**	ea	2	C	1.1	5	1	N
49301	**363P4E**	200	IEC309 Plug 2P3W, 63A/110-130V, SP, CS	**113.57**	ea	2	C		5	1	N
49302	**363P4S**	199	IEC309 Plug 2P3W, 63A/110-130V, SP, CG	**134.29**	ea	2	C		5	1	N
49303	**363P4W**	198	IEC309 Plug 2P3W, 63A/110-130V, WT	**162.86**	ea	2	C	1.312	5	1	N
49304	**363P6E**	200	IEC309 Plug 2P3W, 63A/220-240V, SP, CS	**113.57**	ea	2	C		5	1	N
49305	**363P6S**	199	IEC309 Plug 2P3W, 63A/220-240V, SP, CG	**134.29**	ea	2	C		5	1	N
49306	**363P6W**	198	IEC309 Plug 2P3W, 63A/220-240V, WT	**162.86**	ea	2	C	1.312	5	1	N
49307	**363P9E**	200	IEC309 Plug 2P3W, 63A/380-415V, SP, CS	**113.57**	ea	2	C		5	1	N
49308	**363P9S**	199	IEC309 Plug 2P3W, 63A/380-415V, SP, CG	**134.29**	ea	2	C		5	1	N
49309	**363P9W**	198	IEC309 Plug 2P3W, 63A/380-415V, WT	**162.86**	ea	2	C	1.312	5	1	N
49310	**363R4S**	199	IEC309 Rcpt Str 2P3W, 63A/110-130V, SP	**120.21**	ea	2	C		5	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
49311	**363R4W**	198	IEC309 Rcpt Str 2P3W, 63A/110-130V, WT	**135.71**	ea	2	C	1.312	5	1	N
49312	**363R6S**	199	IEC309 Rcpt Str 2P3W, 63A/220-240V, SP	**120.21**	ea	2	C		5	1	N
49313	**363R6W**	198	IEC309 Rcpt Str 2P3W, 63A/220-240V, WT	**135.71**	ea	2	C	1.312	5	1	N
49314	**363R9S**	199	IEC309 Rcpt Str 2P3W, 63A/380-415V, SP	**120.21**	ea	2	C		5	1	N
49315	**363R9W**	198	IEC309 Rcpt Str 2P3W, 63A/380-415V, WT	**135.71**	ea	2	C	1.312	5	1	N
49316	**363RA4S**	199	IEC309 Rcpt Ang 2P3W, 63A/110-130V, SP	**120.21**	ea	2	C		5	1	N
49317	**363RA4W**	198	IEC309 Rcpt Ang 2P3W, 63A/110-130V, WT	**135.71**	ea	2	C		5	1	N
49318	**363RA6S**	199	IEC309 Rcpt Ang 2P3W, 63A/220-240V, SP	**120.21**	ea	2	C		5	1	N
49319	**363RA6W**	198	IEC309 Rcpt Ang 2P3W, 63A/220-240V, WT	**135.71**	ea	2	C		5	1	N
49320	**363RA9S**	199	IEC309 Rcpt Ang 2P3W, 63A/380-415V, SP	**120.21**	ea	2	C		5	1	N
49321	**363RA9W**	198	IEC309 Rcpt Ang 2P3W, 63A/380-415V, WT	**135.71**	ea	2	C		5	1	N
55993	**3762-C**	93	2P3W Conn. NON-NEMA 50A-250V DC/600V	**53.43**	ea	2	C	0.6	10	1	S
55994	**3763-P**	93	2P3W Plug, NON-NEMA 50A-250V DC/600V	**43.57**	ea	2	C	0.6	10	1	S
55989	**3764-C**	93	3P4W Conn. NON-NEMA 50A-250V DC/600V	**57.86**	ea	2	C	0.6	10	1	S
55990	**3765-P**	93	3P4W Plug, NON-NEMA 50A-250V DC/600V	**46.57**	ea	2	C	0.6	10	1	S
82240	**3769**	93	Recpt, Non-NEMA, 3P4W, 50A/250VDC/600VAC	**67.14**	ea	2	C		1	1	
82238	**3771**	93	Recpt, Non-NEMA, 2P3W 50A/250VDC/600VAC	**62.79**	ea	2	C		1	1	
82241	**3775**	93	Inlet, Non-NEMA, 3P4W, 50A/250VDC/600VAC	**65.36**	ea	2	C		1	1	
82239	**3777**	93	Inlet, Non-NEMA, 2P3W 50A/250VDC/600VAC	**65.71**	ea	2	C		1	1	
81802	**3914-30**	223	Cbl reel, 30' #14/3 SJO	**297.14**	ea	2	C	19	1	1	S
81799	**3914-30-B**	223	Cbl reel, 30' #14/3 SJO, 6000 box w/ 5-15	**340.00**	ea	2	C	21	1	1	
81806	**3914-30-HSS**	223	Cbl reel, 30' #14/3 SJO, 944-RS	**340.00**	ea	2	C	22	1	1	
81794	**3916-30**	223	Cbl reel, 30' #16/3 SJO	**282.86**	ea	2	C	18	1	1	S
81803	**3916-30-B**	223	Cbl reel, 30' #16/3 SJO, 6000 box w/ 5-15	**325.71**	ea	2	C	20	1	1	
81796	**3916-30-HSS**	223	Cbl reel, 30' #16/3 SJO, 944-RS	**325.71**	ea	2	C	21	1	1	
54618	**4100B12W**	191	IEC309 Inlt 3P4W, 100A/125-250V, WT	**256.93**	ea	2	C	2.25	2	1	N
54620	**4100B5W**	191	IEC309 Inlt 3P4W, 100A/3Ph600V, WT	**256.93**	ea	2	C	2.25	2	1	N
54619	**4100B7W**	191	IEC309 Inlt 3P4W, 100A/3Ph480V, WT	**256.93**	ea	2	C	2.25	2	1	N
54621	**4100B9W**	191	IEC309 Inlt 3P4W, 100A/3Ph250V, WT	**256.93**	ea	2	C	2.25	2	1	N
54509	**4100C12W**	191	IEC309 Conn 3P4W, 100A/125-250V, WT	**270.21**	ea	2	C	2.125	2	1	N
54503	**4100C5W**	191	IEC309 Conn 3P4W, 100A/3Ph600V, WT	**270.21**	ea	2	C		2	1	N
54508	**4100C7W**	191	IEC309 Conn 3P4W, 100A/3Ph480V, WT	**270.21**	ea	2	C	3.25	2	1	N
54505	**4100C9W**	191	IEC309 Conn 3P4W, 100A/3Ph250V, WT	**270.21**	ea	2	C	3.25	2	1	N
54506	**4100P12W**	191	IEC309 Plug 3P4W, 100A/125-250V, WT	**221.07**	ea	2	C	2.937	2	1	N
54504	**4100P5W**	191	IEC309 Plug 3P4W, 100A/3Ph600V, WT	**221.07**	ea	2	C		2	1	N
54507	**4100P7W**	191	IEC309 Plug 3P4W, 100A/3Ph480V, WT	**221.07**	ea	2	C	2.937	2	1	N
54502	**4100P9W**	191	IEC309 Plug 3P4W, 100A/3Ph250V, WT	**221.07**	ea	2	C	2.937	2	1	N
55077	**4100R12W**	191	IEC309 Rcpt, Str 3P4W, 100A/125-250V, WT	**205.07**	ea	2	C	2.375	2	1	N
55081	**4100R5W**	191	IEC309 Rcpt, Str 3P4W, 100A/3Ph600V, WT	**205.07**	ea	2	C		2	1	N
55079	**4100R7W**	191	IEC309 Rcpt, Str 3P4W, 100A/3Ph480V, WT	**205.07**	ea	2	C	2.5	2	1	N
55084	**4100R9W**	191	IEC309 Rcpt, Str 3P4W, 100A/3Ph250V, WT	**205.07**	ea	2	C	2.5	2	1	N
55080	**4100RA12W**	191	IEC309 Rcpt, Ang 3P4W, 100A/125-250V, WT	**205.07**	ea	2	C		2	1	N
55078	**4100RA5W**	191	IEC309 Rcpt, Ang 3P4W, 100A/3Ph600V, WT	**205.07**	ea	2	C		2	1	N
55083	**4100RA7W**	191	IEC309 Rcpt, Ang 3P4W, 100A/3Ph480V, WT	**205.07**	ea	2	C		2	1	N
55082	**4100RA9W**	191	IEC309 Rcpt, Ang 3P4W, 100A/3Ph250V, WT	**205.07**	ea	2	C		2	1	N
81849	**4123-25**	224	Cbl reel, 25' #12/3 SJO	**461.43**	ea	2	C	32	1	1	N
81870	**4123-50**	224	Cbl reel, 50' #12/3 SJO	**504.29**	ea	2	C	38	1	1	N
81866	**4123-50-1610**	225	Cbl reel, 50' #12/3 SJO, 1610-CG	**517.14**	ea	2	C	38.5	1	1	N
81851	**4123-50-B**	225	Cbl reel, 50' #12/3 SJO, 6000 box 5-15	**575.71**	ea	2	C	39.5	1	1	N
81874	**4123-50-BG**	225	Cbl reel, 50' #12/3 SJO, 6000 box 5-15 & GFCI	**582.86**	ea	2	C	39.5	1	1	N
81872	**4124-25**	224	Cbl reel, 25' #12/4 SJO	**477.14**	ea	2	C	34	1	1	N
81854	**4124-25SO**	224	Cbl reel, 25' #12/4 SO	**495.71**	ea	2	C	35	1	1	N
81860	**4124-35**	224	Cbl reel, 35' #12/4 SJO	**531.43**	ea	2	C	36	1	1	N
49323	**4125B6W**	198	IEC309 Inlt, Str 3P4W, 125A/380-415V, WT	**278.00**	ea	2	C	2.25	2	1	N
49324	**4125C6W**	198	IEC309 Conn 3P4W, 125A/380-415V, WT	**282.00**	ea	2	C	2.25	2	1	N
49325	**4125P6W**	198	IEC309 Plug 3P4W, 125A/380-415V, WT	**232.86**	ea	2	C	2.25	2	1	N
49326	**4125R6W**	198	IEC309 Rcpt, Str 3P4W, 125A/380-415V, WT	**205.71**	ea	2	C	2.25	2	1	N
49327	**4125RA6W**	198	IEC309 Rcpt, Ang 3P4W, 125A/380-415V, WT	**205.71**	ea	2	C		2	1	N
54557	**413-25**	37	Angle Lite, 13W, 25ft. #16/3, ballast in handle, side-outlet	**84.64**	ea	2	C		1	1	N
54558	**413-50**	37	Angle Lite, 13W, 50ft. #16/3, ballast in handle, side-outlet	**98.93**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54559	**413DC-15**	37	Angle Lite, 13W, 12VDC, 50ft. #16/3, ballast in handle	**120.79**	ea	2	C		1	1	N
81857	**4143-30**	224	Cbl reel, 30' #14/3 SJO	**434.29**	ea	2	C	32	1	1	N
81855	**4143-30SO**	224	Cbl reel, 30' #14/3 SO	**460.00**	ea	2	C	33	1	1	N
81859	**4143-40**	224	Cbl reel, 40' #14/3 SJO	**442.86**	ea	2	C	34	1	1	N
81862	**4143-40-1610**	225	Cbl reel, 40' #14/3 SJO, 1610-CG	**455.71**	ea	2	C	34.5	1	1	N
81861	**4143-40-B**	225	Cbl reel, 40' #14/3 SJO, 6000 box 5-15	**514.29**	ea	2	C	35.5	1	1	N
81868	**4143-40-BG**	225	Cbl reel, 40' #14/3 SJO, 6000 box 5-15 & GFCI	**521.43**	ea	2	C	35.5	1	1	N
81875	**4143-40SO**	224	Cbl reel, 40' #14/3 SO	**468.57**	ea	2	C	35	1	1	N
81871	**4143-50**	224	Cbl reel, 50' #14/3 SJO	**451.43**	ea	2	C	36	1	1	N
81876	**4143-50-1610**	225	Cbl reel, 50' #14/3 SJO, 1610-CG	**464.29**	ea	2	C	36.5	1	1	N
81879	**4143-50-B**	225	Cbl reel, 50' #14/3 SJO, 6000 box 5-15	**522.86**	ea	2	C	37.5	1	1	N
81865	**4143-50-BG**	225	Cbl reel, 50' #14/3 SJO, 6000 box 5-15 & GFCI	**530.00**	ea	2	C	37.5	1	1	N
81850	**4144-35**	224	Cbl reel, 35' #14/4 SJO	**467.14**	ea	2	C	34	1	1	N
81856	**4163-25**	224	Cbl reel, 25' #16/3 SJO	**310.00**	ea	2	C	30	1	1	N
81853	**4163-25SO**	224	Cbl reel, 25' #16/3 SO	**410.00**	ea	2	C	26	1	1	N
81869	**4163-35**	224	Cbl reel, 35' #16/3 SJO	**338.57**	ea	2	C	26	1	1	N
81878	**4163-35-H6**	224	Cbl reel, 35' #16/3 SJO, #6 hand lamp	**381.43**	ea	2	C	28	1	1	N
81881	**4163-35-HS**	224	Cbl reel, 35' #16/3 SJO, 744-RS	**388.57**	ea	2	C	28.5	1	1	N
81852	**4163-35-HSS**	225	Cbl reel, 35' #16/3 SJO, 944-RS	**395.71**	ea	2	C	29	1	1	N
81867	**4163-35SO**	224	Cbl reel, 35' #16/3 SO	**431.43**	ea	2	C	27	1	1	N
81882	**4163-50**	224	Cbl reel, 50' #16/3 SJO	**381.43**	ea	2	C	27	1	1	N
81848	**4163-50-H6**	224	Cbl reel, 50' #16/3 SJO, #6 hand lamp	**424.29**	ea	2	C	28	1	1	N
81877	**4163-50-HS**	224	Cbl reel, 50' #16/3 SJO, 744-RS	**431.43**	ea	2	C	28.5	1	1	N
81880	**4163-50-HSS**	225	Cbl reel, 50' #16/3 SJO, 944-RS	**438.57**	ea	2	C	29	1	1	N
81864	**4163-50SO**	224	Cbl reel, 50' #16/3 SO	**442.86**	ea	2	C	29	1	1	N
81883	**4164-35**	224	Cbl reel, 35' #16/4 SJO	**467.14**	ea	2	C	29	1	1	N
81873	**4164-35SO**	224	Cbl reel, 35' #16/4 SO	**455.71**	ea	2	C	28	1	1	N
81858	**4164-50**	224	Cbl reel, 50' #16/4 SJO	**492.86**	ea	2	C	28	1	1	N
81863	**4164-50SO**	224	Cbl reel, 50' #16/4 SO	**478.57**	ea	2	C	30	1	1	N
49328	**416B6S**	199	IEC309 Inlt, Str 3P4W, 16A/380-415V, SP	**52.79**	ea	2	C		10	1	N
49329	**416BA6W**	198	IEC309 Inlt, Ang 3P4W, 125A/380-415V, WT	**64.50**	ea	2	C		10	1	N
49330	**416C6E**	200	IEC309 Conn 3P4W, 16A/380-415V, SP, CS	**50.93**	ea	2	C		10	1	N
49331	**416C6S**	199	IEC309 Conn 3P4W, 16A/380-415V, SP, CG	**68.79**	ea	2	C		10	1	N
49332	**416C6W**	198	IEC309 Conn 3P4W, 16A/380-415V, WT	**90.29**	ea	2	C	0.5	10	1	N
49333	**416P6E**	200	IEC309 Plug 3P4W, 16A/380-415V, SP, CS	**42.50**	ea	2	C		10	1	N
49334	**416P6S**	199	IEC309 Plug 3P4W, 16A/380-415V, SP, CG	**59.50**	ea	2	C		10	1	N
49335	**416P6W**	198	IEC309 Plug 3P4W, 16A/380-415V, WT	**70.21**	ea	2	C	0.437	10	1	N
49336	**416R6S**	199	IEC309 Rcpt, Str 3P4W, 16A/380-415V, SP, CG	**62.14**	ea	2	C		10	1	N
49337	**416R6W**	198	IEC309 Rcpt, Str 3P4W, 16A/380-415V, WT	**74.14**	ea	2	C	0.375	10	1	N
49338	**416RA6S**	199	IEC309 Rcpt, Ang 3P4W, 16A/380-415V, SP, CG	**62.14**	ea	2	C		10	1	N
49339	**416RA6W**	198	IEC309 Rcpt, Ang 3P4W, 16A/380-415V, WT	**74.14**	ea	2	C		10	1	N
54513	**420B12S**	192	IEC309 Inlt, Str 3P4W, 20A/125-250V, SP	**52.79**	ea	2	C	0.312	10	1	N
54510	**420B5S**	192	IEC309 Inlt, Str 3P4W, 20A/3Ph600V, SP	**52.79**	ea	2	C	0.312	10	1	N
54512	**420B7S**	192	IEC309 Inlt, Str 3P4W, 20A/3Ph480V, SP	**52.79**	ea	2	C	0.312	10	1	N
54511	**420B9S**	192	IEC309 Inlt, Str 3P4W, 20A/3Ph250V, SP	**52.79**	ea	2	C	0.312	10	1	N
54565	**420BA12W**	190	IEC309 Inlt, Ang80 3P4W, 20A/125-250V, WT	**64.50**	ea	2	C	0.312	10	1	N
54564	**420BA5W**	190	IEC309 Inlt, Ang80 3P4W, 20A/3Ph600V, WT	**64.50**	ea	2	C	0.312	10	1	N
54566	**420BA7W**	190	IEC309 Inlt, Ang80 3P4W, 20A/3Ph480V, WT	**64.50**	ea	2	C	0.312	10	1	N
54563	**420BA9W**	190	IEC309 Inlt, Ang80 3P4W, 20A/3Ph250V, WT	**64.50**	ea	2	C	0.312	10	1	N
54514	**420C12E**	193	IEC309 Conn 3P4W, 20A/125-250V, SP, CS	**50.93**	ea	2	C		10	1	N
54515	**420C12S**	192	IEC309 Conn 3P4W, 20A/125-250V, SP, CG	**68.79**	ea	2	C	0.312	10	1	N
54516	**420C12W**	190	IEC309 Conn 3P4W, 20A/125-250V, WT	**85.36**	ea	2	C	0.312	10	1	N
54517	**420C5E**	193	IEC309 Conn 3P4W, 20A/3Ph600V, SP, CS	**50.93**	ea	2	C		10	1	N
54518	**420C5S**	192	IEC309 Conn 3P4W, 20A/3Ph600V, SP, CG	**68.79**	ea	2	C	0.312	10	1	N
54519	**420C5W**	190	IEC309 Conn 3P4W, 20A/3Ph600V, WT	**85.36**	ea	2	C	0.312	10	1	N
54520	**420C7E**	193	IEC309 Conn 3P4W, 20A/3Ph480V, SP, CS	**50.93**	ea	2	C		10	1	N
54521	**420C7S**	192	IEC309 Conn 3P4W, 20A/3Ph480V, SP, CG	**68.79**	ea	2	C	0.312	10	1	N
54522	**420C7W**	190	IEC309 Conn 3P4W, 20A/3Ph480V, WT	**85.36**	ea	2	C	0.312	10	1	N
54523	**420C9E**	193	IEC309 Conn 3P4W, 20A/3Ph250V, SP, CS	**50.93**	ea	2	C		10	1	N
54524	**420C9S**	192	IEC309 Conn 3P4W, 20A/3Ph250V, SP, CG	**68.79**	ea	2	C	0.312	10	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54525	**420C9W**	190	IEC309 Conn 3P4W, 20A/3Ph250V, WT	**85.36**	ea	2	C	0.312	10	1	N
55076	**420MI12S**	194	IEC309 MI 3P4W 20A/120-240V, SP	**368.79**	ea	2	C		1	1	N
55072	**420MI12W**	194	IEC309 MI 3P4W 20A/120-240V, WT	**449.50**	ea	2	C		1	1	N
55073	**420MI5S**	194	IEC309 MI 3P4W 20A/3Ph600V, SP	**368.79**	ea	2	C		1	1	N
55074	**420MI5W**	194	IEC309 MI 3P4W 20A/3Ph600V, WT	**449.50**	ea	2	C		1	1	N
55069	**420MI7S**	194	IEC309 MI 3P4W 20A/3Ph480V, SP	**368.79**	ea	2	C		1	1	N
55075	**420MI7W**	194	IEC309 MI 3P4W 20A/3Ph480V, WT	**449.50**	ea	2	C		1	1	N
55070	**420MI9S**	194	IEC309 MI 3P4W 20A/3Ph240V, SP	**368.79**	ea	2	C		1	1	N
55071	**420MI9W**	194	IEC309 MI 3P4W 20A/3Ph240V, WT	**449.50**	ea	2	C		1	1	N
54610	**420P12E**	193	IEC309 Plug 3P4W, 20A/125-250V, SP, CS	**42.50**	ea	2	C		10	1	N
54616	**420P12S**	192	IEC309 Plug 3P4W, 20A/125-250V, SP, CG	**59.50**	ea	2	C	0.375	10	1	N
54603	**420P12W**	190	IEC309 Plug 3P4W, 20A/125-250V, WT	**70.21**	ea	2	C	0.375	10	1	N
54601	**420P5E**	193	IEC309 Plug 3P4W, 20A/3Ph600V, SP, CS	**42.50**	ea	2	C		10	1	N
54608	**420P5S**	192	IEC309 Plug 3P4W, 20A/3Ph600V, SP, CG	**59.50**	ea	2	C	0.375	10	1	N
54606	**420P5W**	190	IEC309 Plug 3P4W, 20A/3Ph600V, WT	**70.21**	ea	2	C	0.375	10	1	N
54607	**420P7E**	193	IEC309 Plug 3P4W, 20A/3Ph480V, SP, CS	**42.50**	ea	2	C		10	1	N
54604	**420P7S**	192	IEC309 Plug 3P4W, 20A/3Ph480V, SP, CG	**59.50**	ea	2	C	0.375	10	1	N
54605	**420P7W**	190	IEC309 Plug 3P4W, 20A/3Ph480V, WT	**70.21**	ea	2	C	0.375	10	1	N
54602	**420P9E**	193	IEC309 Plug 3P4W, 20A/3Ph250V, SP, CS	**42.50**	ea	2	C		10	1	N
54611	**420P9S**	192	IEC309 Plug 3P4W, 20A/3Ph250V, SP, CG	**59.50**	ea	2	C	0.375	10	1	N
54609	**420P9W**	190	IEC309 Plug 3P4W, 20A/3Ph250V, WT	**70.21**	ea	2	C		10	1	N
54593	**420R12S**	192	IEC309 Rcpt, Str 3P4W, 20A/125-250V, SP	**62.14**	ea	2	C	0.312	10	1	N
54599	**420R12W**	190	IEC309 Rcpt, Str 3P4W, 20A/125-250V, WT	**74.14**	ea	2	C	0.312	10	1	N
54594	**420R5S**	192	IEC309 Rcpt, Str 3P4W, 20A/3Ph600V, SP	**62.14**	ea	2	C	0.312	10	1	N
54597	**420R5W**	190	IEC309 Rcpt, Str 3P4W, 20A/3Ph600V, WT	**74.14**	ea	2	C	0.312	10	1	N
54596	**420R7S**	192	IEC309 Rcpt, Str 3P4W, 20A/3Ph480V, SP	**62.14**	ea	2	C	0.375	10	1	N
54600	**420R7W**	190	IEC309 Rcpt, Str 3P4W, 20A/3Ph480V, WT	**74.14**	ea	2	C	0.375	10	1	N
54598	**420R9S**	192	IEC309 Rcpt, Str 3P4W, 20A/3Ph250V, SP	**62.14**	ea	2	C	0.375	10	1	N
54595	**420R9W**	190	IEC309 Rcpt, Str 3P4W, 20A/3Ph250V, WT	**74.14**	ea	2	C	0.375	10	1	N
54573	**420RA12S**	192	IEC309 Rcpt, Ang 3P4W, 20A/125-250V, SP	**62.14**	ea	2	C		10	1	N
54567	**420RA12W**	190	IEC309 Rcpt, Ang 3P4W, 20A/125-250V, WT	**74.14**	ea	2	C		10	1	N
54568	**420RA5S**	192	IEC309 Rcpt, Ang 3P4W, 20A/3Ph600V, SP	**62.14**	ea	2	C		10	1	N
54574	**420RA5W**	190	IEC309 Rcpt, Ang 3P4W, 20A/3Ph600V, WT	**74.14**	ea	2	C		10	1	N
54570	**420RA7S**	192	IEC309 Rcpt, Ang 3P4W, 20A/3Ph480V, SP	**62.14**	ea	2	C		10	1	N
54572	**420RA7W**	190	IEC309 Rcpt, Ang 3P4W, 20A/3Ph480V, WT	**74.14**	ea	2	C		10	1	N
54571	**420RA9S**	192	IEC309 Rcpt, Ang 3P4W, 20A/3Ph250V, SP	**62.14**	ea	2	C		10	1	N
54569	**420RA9W**	190	IEC309 Rcpt, Ang 3P4W, 20A/3Ph250V, WT	**74.14**	ea	2	C		10	1	N
55067	**430B12S**	192	IEC309 Inlt, Str 3P4W, 30A/125-250V, SP	**99.14**	ea	2	C	0.312	10	1	N
55068	**430B5S**	192	IEC309 Inlt, Str 3P4W, 30A/3Ph600V, SP	**99.14**	ea	2	C		10	1	N
55065	**430B7S**	192	IEC309 Inlt, Str 3P4W, 30A/3Ph480V, SP	**99.14**	ea	2	C	0.437	10	1	N
55066	**430B9S**	192	IEC309 Inlt, Str 3P4W, 30A/3Ph250V, SP	**99.14**	ea	2	C	0.312	10	1	N
54590	**430BA12W**	190	IEC309 Inlt, Ang80 3P4W, 30A/125-250V, WT	**124.50**	ea	2	C	0.312	10	1	N
54589	**430BA5W**	190	IEC309 Inlt, Ang80 3P4W, 30A/3Ph600V, WT	**124.50**	ea	2	C	0.312	10	1	N
54592	**430BA7W**	190	IEC309 Inlt, Ang80 3P4W, 30A/3Ph480V, WT	**124.50**	ea	2	C	0.437	10	1	N
54591	**430BA9W**	190	IEC309 Inlt, Ang80 3P4W, 30A/3Ph250V, WT	**124.50**	ea	2	C	0.312	10	1	N
54585	**430C12E**	193	IEC309 Conn 3P4W, 30A/125-250V, SP, CS	**84.86**	ea	2	C		10	1	N
54576	**430C12S**	192	IEC309 Conn 3P4W, 30A/125-250V, SP, CG	**96.86**	ea	2	C	0.312	10	1	N
54582	**430C12W**	190	IEC309 Conn 3P4W, 30A/125-250V, WT	**113.71**	ea	2	C	0.312	10	1	N
54577	**430C5E**	193	IEC309 Conn 3P4W, 30A/3Ph600V, SP, CS	**84.86**	ea	2	C		10	1	N
54578	**430C5S**	192	IEC309 Conn 3P4W, 30A/3Ph600V, SP, CG	**96.86**	ea	2	C	0.312	10	1	N
54587	**430C5W**	190	IEC309 Conn 3P4W, 30A/3Ph600V, WT	**113.71**	ea	2	C	0.312	10	1	N
54580	**430C7E**	193	IEC309 Conn 3P4W, 30A/3Ph480V, SP, CS	**84.86**	ea	2	C		10	1	N
54584	**430C7S**	192	IEC309 Conn 3P4W, 30A/3Ph480V, SP, CG	**96.86**	ea	2	C	0.625	10	1	N
54581	**430C7W**	190	IEC309 Conn 3P4W, 30A/3Ph480V, WT	**113.71**	ea	2	C	0.625	10	1	N
54586	**430C9E**	193	IEC309 Conn 3P4W, 30A/3Ph250V, SP, CS	**84.86**	ea	2	C		10	1	N
54583	**430C9S**	192	IEC309 Conn 3P4W, 30A/3Ph250V, SP, CG	**96.86**	ea	2	C	0.312	10	1	N
54579	**430C9W**	190	IEC309 Conn 3P4W, 30A/3Ph250V, WT	**113.71**	ea	2	C	0.312	10	1	N
54670	**430MI12S**	194	IEC309 MI 3P4W 30A/120-240V, SP	**443.93**	ea	2	C		1	1	N
54664	**430MI12W**	194	IEC309 MI 3P4W 30A/120-240V, WT	**499.43**	ea	2	C		1	1	N
54665	**430MI5S**	194	IEC309 MI 3P4W 30A/3Ph600V, SP	**443.93**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54669	**430MI5W**	194	IEC309 MI 3P4W 30A/3Ph600V,WT	**499.43**	ea	2	C		1	1	N
54666	**430MI7S**	194	IEC309 MI 3P4W 30A/3Ph480V, SP	**443.93**	ea	2	C		1	1	N
54671	**430MI7W**	194	IEC309 MI 3P4W 30A/3Ph480V,WT	**499.43**	ea	2	C		1	1	N
54667	**430MI9S**	194	IEC309 MI 3P4W 30A/3Ph240V, SP	**443.93**	ea	2	C		1	1	N
54668	**430MI9W**	194	IEC309 MI 3P4W 30A/3Ph240V,WT	**499.43**	ea	2	C		1	1	N
55062	**430P12E**	193	IEC309 Plug 3P4W, 30A/125-250V, SP, CS	**71.00**	ea	2	C		10	1	N
55054	**430P12S**	192	IEC309 Plug 3P4W, 30A/125-250V, SP, CG	**94.93**	ea	2	C	0.375	10	1	N
55058	**430P12W**	190	IEC309 Plug 3P4W, 30A/125-250V,WT	**108.43**	ea	2	C	0.375	10	1	N
55055	**430P5E**	193	IEC309 Plug 3P4W, 30A/3Ph600V, SP, CS	**71.00**	ea	2	C		10	1	N
55056	**430P5S**	192	IEC309 Plug 3P4W, 30A/3Ph600V, SP, CG	**94.93**	ea	2	C	0.375	10	1	N
55063	**430P5W**	190	IEC309 Plug 3P4W, 30A/3Ph600V,WT	**108.43**	ea	2	C	0.375	10	1	N
55057	**430P7E**	193	IEC309 Plug 3P4W, 30A/3Ph480V, SP, CS	**71.00**	ea	2	C		10	1	N
55064	**430P7S**	192	IEC309 Plug 3P4W, 30A/3Ph480V, SP, CG	**94.93**	ea	2	C	0.5	10	1	N
55059	**430P7W**	190	IEC309 Plug 3P4W, 30A/3Ph480V,WT	**108.43**	ea	2	C	0.5	10	1	N
55060	**430P9E**	193	IEC309 Plug 3P4W, 30A/3Ph250V, SP, CS	**71.00**	ea	2	C		10	1	N
55061	**430P9S**	192	IEC309 Plug 3P4W, 30A/3Ph250V, SP, CG	**94.93**	ea	2	C	0.375	10	1	N
55053	**430P9W**	190	IEC309 Plug 3P4W, 30A/3Ph250V,WT	**108.43**	ea	2	C	0.375	10	1	N
54629	**430R12S**	192	IEC309 Rcpt, Str 3P4W, 30A/125-250V, SP	**72.71**	ea	2	C	0.312	10	1	N
54626	**430R12W**	190	IEC309 Rcpt, Str 3P4W, 30A/125-250V,WT	**88.14**	ea	2	C	0.312	10	1	N
54628	**430R5S**	192	IEC309 Rcpt, Str 3P4W, 30A/3Ph600V, SP	**72.71**	ea	2	C	0.312	10	1	N
54623	**430R5W**	190	IEC309 Rcpt, Str 3P4W, 30A/3Ph600V,WT	**88.14**	ea	2	C	0.312	10	1	N
54627	**430R7S**	192	IEC309 Rcpt, Str 3P4W, 30A/3Ph480V, SP	**72.71**	ea	2	C	1.375	10	1	N
54625	**430R7W**	190	IEC309 Rcpt, Str 3P4W, 30A/3Ph480V,WT	**88.14**	ea	2	C	1.375	10	1	N
54624	**430R9S**	192	IEC309 Rcpt, Str 3P4W, 30A/3Ph250V, SP	**72.71**	ea	2	C	0.375	10	1	N
54622	**430R9W**	190	IEC309 Rcpt, Str 3P4W, 30A/3Ph250V,WT	**88.14**	ea	2	C	0.375	10	1	N
54663	**430RA12S**	192	IEC309 Rcpt, Ang 3P4W, 30A/125-250V, SP	**72.71**	ea	2	C		10	1	N
54659	**430RA12W**	190	IEC309 Rcpt, Ang 3P4W, 30A/125-250V,WT	**88.14**	ea	2	C		10	1	N
54658	**430RA5S**	192	IEC309 Rcpt, Ang 3P4W, 30A/3Ph600V, SP	**72.71**	ea	2	C		10	1	N
54662	**430RA5W**	190	IEC309 Rcpt, Ang 3P4W, 30A/3Ph600V,WT	**88.14**	ea	2	C		10	1	N
54660	**430RA7S**	192	IEC309 Rcpt, Ang 3P4W, 30A/3Ph480V, SP	**72.71**	ea	2	C		10	1	N
54656	**430RA7W**	190	IEC309 Rcpt, Ang 3P4W, 30A/3Ph480V,WT	**88.14**	ea	2	C		10	1	N
54657	**430RA9S**	192	IEC309 Rcpt, Ang 3P4W, 30A/3Ph250V, SP	**72.71**	ea	2	C		10	1	N
54661	**430RA9W**	190	IEC309 Rcpt, Ang 3P4W, 30A/3Ph250V,WT	**88.14**	ea	2	C		10	1	N
49341	**432B6S**	199	IEC309 Inlt, Str 3P4W, 32A/380-415V, SP	**99.14**	ea	2	C		10	1	N
49342	**432BA3W**	198	IEC309 3P4W, 32A/380V 50Hz,/440V 60Hz, SP	**124.50**	ea	2	C		10	1	N
49343	**432BA6W**	198	IEC309 Inlt, Ang 3P4W, 32A/380-415V,WT	**124.50**	ea	2	C	0.312	10	1	N
49344	**432C3W**	198	IEC309 3P4W, 32A/380V 50Hz,/440V 60Hz,WT	**113.71**	ea	2	C		10	1	N
49345	**432C6E**	200	IEC309 Conn, 3P4W, 32A/380-415V, SP, CS	**84.86**	ea	2	C		10	1	N
49346	**432C6S**	199	IEC309 Conn, 3P4W, 32A/380-415V, SP, CG	**96.86**	ea	2	C		10	1	N
49347	**432C6W**	198	IEC309 Conn, 3P4W, 32A/380-415V,WT	**113.71**	ea	2	C	0.312	10	1	N
49348	**432MI3W**		IEC309 MI, 3P4W, 32A/380V 50Hz,/440V 60Hz,WT	**499.43**	ea	2	C		1	1	N
49349	**432P3W**	198	IEC309 3P4W, 32A/380V 50Hz,/440V 60Hz,WT	**105.29**	ea	2	C		10	1	N
49350	**432P6E**	200	IEC309 Plug, 3P4W, 32A/380-415V, SP, CS	**71.00**	ea	2	C		10	1	N
49351	**432P6S**	199	IEC309 Plug, 3P4W, 32A/380-415V, SP, CG	**94.93**	ea	2	C		10	1	N
49352	**432P6W**	198	IEC309 Plug, 3P4W, 32A/380-415V,WT	**114.00**	ea	2	C	0.375	10	1	N
49353	**432R3W**	198	IEC309 3P4W, 32A/380V 50Hz/440V 60Hz,WT	**88.14**	ea	2	C		10	1	N
49354	**432R6S**	199	IEC309 Rcpt, Str 3P4W, 32A/380-415V, SP	**72.71**	ea	2	C		10	1	N
49355	**432R6W**	198	IEC309 Rcpt, Str 3P4W, 32A/380-415V,WT	**91.29**	ea	2	C	0.312	10	1	N
49356	**432RA6S**	199	IEC309 Rcpt, Ang 3P4W, 32A/380-415V, SP	**72.71**	ea	2	C		10	1	N
49357	**432RA6W**	198	IEC309 Rcpt, Ang 3P4W, 32A/380-415V,WT	**88.14**	ea	2	C		10	1	N
50470	**44-W**	28	Rubber, watertight, 6" pigtails	**4.43**	ea	2	B	0.15	100	10	S
54647	**460BA12S**	192	IEC309 Inlt, Ang80 3P4W, 60A/125-250V, SP	**142.43**	ea	2	C	0.312	5	1	N
54650	**460BA12W**	191	IEC309 Inlt, Ang80 3P4W, 60A/125-250V,WT	**174.14**	ea	2	C	0.312	5	1	N
54651	**460BA5S**	192	IEC309 Inlt, Ang80 3P4W, 60A/3Ph600V, SP	**142.43**	ea	2	C		5	1	N
54654	**460BA5W**	191	IEC309 Inlt, Ang80 3P4W, 60A/3Ph600V,WT	**174.14**	ea	2	C		5	1	N
54653	**460BA7S**	192	IEC309 Inlt, Ang80 3P4W, 60A/3Ph480V, SP	**142.43**	ea	2	C	0.312	5	1	N
54648	**460BA7W**	191	IEC309 Inlt, Ang80 3P4W, 60A/3Ph480V,WT	**174.14**	ea	2	C	0.312	5	1	N
54649	**460BA9S**	192	IEC309 Inlt, Ang80 3P4W, 60A/3Ph250V, SP	**142.43**	ea	2	C	0.312	5	1	N
54645	**460BA9W**	191	IEC309 Inlt, Ang80 3P4W, 60A/3Ph250V,WT	**174.14**	ea	2	C	0.312	5	1	N
54631	**460C12E**	193	IEC309 Conn 3P4W, 60A/125-250V, SP, CS	**132.00**	ea	2	C		5	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54634	**460C12S**	192	IEC309 Conn 3P4W, 60A/125-250V, SP, CG	**163.86**	ea	2	C	0.312	5	1	N
54638	**460C12W**	191	IEC309 Conn 3P4W, 60A/125-250V, WT	**192.71**	ea	2	C	0.312	5	1	N
54636	**460C5E**	193	IEC309 Conn 3P4W, 60A/3Ph600V, SP, CS	**132.00**	ea	2	C		5	1	N
54637	**460C5S**	192	IEC309 Conn 3P4W, 60A/3Ph600V, SP, CG	**163.86**	ea	2	C		5	1	N
54633	**460C5W**	191	IEC309 Conn 3P4W, 60A/3Ph600V, WT	**192.71**	ea	2	C		5	1	N
54639	**460C7E**	193	IEC309 Conn 3P4W, 60A/3Ph480V, SP, CS	**132.00**	ea	2	C	1.75	5	1	N
54640	**460C7S**	192	IEC309 Conn 3P4W, 60A/3Ph480V, SP, CG	**163.86**	ea	2	C	1.75	5	1	N
54632	**460C7W**	191	IEC309 Conn 3P4W, 60A/3Ph480V, WT	**192.71**	ea	2	C		5	1	N
54642	**460C9E**	193	IEC309 Conn 3P4W, 60A/3Ph250V, SP, CS	**132.00**	ea	2	C	0.312	5	1	N
54643	**460C9S**	192	IEC309 Conn 3P4W, 60A/3Ph250V, SP, CG	**163.86**	ea	2	C	0.312	5	1	N
54641	**460C9W**	191	IEC309 Conn 3P4W, 60A/3Ph250V, WT	**192.71**	ea	2	C		5	1	N
55048	**460MI12S**	194	IEC309 MI 3P4W 60A/120-240V, SP	**585.57**	ea	2	C		1	1	N
55037	**460MI12W**	194	IEC309 MI 3P4W 60A/120-240V, WT	**671.64**	ea	2	C		1	1	N
55050	**460MI5S**	194	IEC309 MI 3P4W 60A/3Ph600V, SP	**585.57**	ea	2	C		1	1	N
55039	**460MI5W**	194	IEC309 MI 3P4W 60A/3Ph600V, WT	**671.64**	ea	2	C		1	1	N
55040	**460MI7S**	194	IEC309 MI 3P4W 60A/3Ph480V, SP	**585.57**	ea	2	C		1	1	N
55046	**460MI7W**	194	IEC309 MI 3P4W 60A/3Ph480V, WT	**671.64**	ea	2	C		1	1	N
55045	**460MI9S**	194	IEC309 MI 3P4W 60A/3Ph240V, SP	**585.57**	ea	2	C		1	1	N
55043	**460MI9W**	194	IEC309 MI 3P4W 60A/3Ph240V, WT	**671.64**	ea	2	C		1	1	N
54700	**460P12E**	193	IEC309 Plug 3P4W, 60A/125-250V, SP, CS	**112.64**	ea	2	C		5	1	N
54701	**460P12S**	192	IEC309 Plug 3P4W, 60A/125-250V, SP, CG	**140.29**	ea	2	C	0.375	5	1	N
54702	**460P12W**	191	IEC309 Plug 3P4W, 60A/125-250V, WT	**163.93**	ea	2	C	0.375	5	1	N
54703	**460P5E**	193	IEC309 Plug 3P4W, 60A/3Ph600V, SP, CS	**112.64**	ea	2	C		5	1	N
54704	**460P5S**	192	IEC309 Plug 3P4W, 60A/3Ph600V, SP, CG	**140.29**	ea	2	C	1.812	5	1	N
54705	**460P5W**	191	IEC309 Plug 3P4W, 60A/3Ph600V, WT	**163.93**	ea	2	C		5	1	N
54706	**460P7E**	193	IEC309 Plug 3P4W, 60A/3Ph480V, SP, CS	**112.64**	ea	2	C		5	1	N
54707	**460P7S**	192	IEC309 Plug 3P4W, 60A/3Ph480V, SP, CG	**140.29**	ea	2	C	0.375	5	1	N
54708	**460P7W**	191	IEC309 Plug 3P4W, 60A/3Ph480V, WT	**163.93**	ea	2	C	0.375	5	1	N
54709	**460P9E**	193	IEC309 Plug 3P4W, 60A/3Ph250V, SP, CS	**112.64**	ea	2	C		5	1	N
54710	**460P9S**	192	IEC309 Plug 3P4W, 60A/3Ph250V, SP, CG	**140.29**	ea	2	C	1.562	5	1	N
54711	**460P9W**	191	IEC309 Plug 3P4W, 60A/3Ph250V, WT	**163.93**	ea	2	C	1.562	5	1	N
54696	**460R12S**	192	IEC309 Rcpt, Str 3P4W, 60A/125-250V, SP	**120.57**	ea	2	C	0.312	5	1	N
54697	**460R12W**	191	IEC309 Rcpt, Str 3P4W, 60A/125-250V, WT	**150.57**	ea	2	C	0.312	5	1	N
54691	**460R5S**	192	IEC309 Rcpt, Str 3P4W, 60A/3Ph600V, SP	**120.57**	ea	2	C	1.25	5	1	N
54694	**460R5W**	191	IEC309 Rcpt, Str 3P4W, 60A/3Ph600V, WT	**150.57**	ea	2	C		5	1	N
54693	**460R7S**	192	IEC309 Rcpt, Str 3P4W, 60A/3Ph480V, SP	**120.57**	ea	2	C	1.375	5	1	N
54688	**460R7W**	191	IEC309 Rcpt, Str 3P4W, 60A/3Ph480V, WT	**150.57**	ea	2	C	1.375	5	1	N
54689	**460R9S**	192	IEC309 Rcpt, Str 3P4W, 60A/3Ph250V, SP	**120.57**	ea	2	C		5	1	N
54686	**460R9W**	191	IEC309 Rcpt, Str 3P4W, 60A/3Ph250V, WT	**150.57**	ea	2	C		5	1	N
55018	**460RA12S**	192	IEC309 Rcpt, Ang 3P4W, 60A/125-250V, SP	**120.57**	ea	2	C		5	1	N
55020	**460RA12W**	191	IEC309 Rcpt, Ang 3P4W, 60A/125-250V, WT	**150.57**	ea	2	C		5	1	N
55022	**460RA5S**	192	IEC309 Rcpt, Ang 3P4W, 60A/3Ph600V, SP	**120.57**	ea	2	C		5	1	N
55029	**460RA5W**	191	IEC309 Rcpt, Ang 3P4W, 60A/3Ph600V, WT	**150.57**	ea	2	C		5	1	N
55025	**460RA7S**	192	IEC309 Rcpt, Ang 3P4W, 60A/3Ph480V, SP	**120.57**	ea	2	C		5	1	N
55028	**460RA7W**	191	IEC309 Rcpt, Ang 3P4W, 60A/3Ph480V, WT	**150.57**	ea	2	C		5	1	N
55026	**460RA9S**	192	IEC309 Rcpt, Ang 3P4W, 60A/3Ph250V, SP	**120.57**	ea	2	C		5	1	N
55032	**460RA9W**	191	IEC309 Rcpt, Ang 3P4W, 60A/3Ph250V, WT	**150.57**	ea	2	C		5	1	N
49359	**463BA6S**	199	IEC309 Inlt, Ang 3P4W, 63A/380-415V, SP	**142.43**	ea	2	C		5	1	N
49360	**463BA6W**	198	IEC309 Inlt, Ang 3P4W, 63A/380-415V, WT	**174.14**	ea	2	C	0.312	5	1	N
49361	**463C6E**	200	IEC309 Conn, 3P4W, 63A/380-415V, SP, CS	**132.00**	ea	2	C		5	1	N
49362	**463C6S**	199	IEC309 Conn, 3P4W, 63A/380-415V, SP, CG	**185.29**	ea	2	C		5	1	N
49363	**463C6W**	198	IEC309 Conn, Ang 3P4W, 63A/380-415V, WT	**203.57**	ea	2	C	0.312	5	1	N
49364	**463P6E**	200	IEC309 Plug, 3P4W, 63A/380-415V, SP, CS	**112.64**	ea	2	C		5	1	N
49365	**463P6S**	199	IEC309 Plug, 3P4W, 63A/380-415V, SP, CG	**140.29**	ea	2	C		5	1	N
49366	**463P6W**	198	IEC309 Plug, Ang 3P4W, 63A/380-415V, WT	**163.93**	ea	2	C	0.375	5	1	N
49367	**463R6S**	199	IEC309 Rcpt, Str 3P4W, 63A/380-415V, SP	**120.57**	ea	2	C		5	1	N
49368	**463R6W**	198	IEC309 Rcpt, Str 3P4W, 63A/380-415V, WT	**150.57**	ea	2	C	0.312	5	1	N
49369	**463RA6S**	199	IEC309 Rcpt, Ang 3P4W, 63A/380-415V, SP	**120.57**	ea	2	C		5	1	N
49370	**463RA6W**	198	IEC309 Rcpt, Ang 3P4W, 63A/380-415V, WT	**150.57**	ea	2	C		5	1	N
82094	**5H12-20**	235	Hose reel, 20' 1/2"	**403.97**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
82083	**5H12-30**	235	Hose reel, 30' 1/2"	**430.49**	ea	2	C		1	1	N
82087	**5H12-35**	235	Hose reel, 35' 1/2"	**471.06**	ea	2	C		1	1	N
82086	**5H12-40**	235	Hose reel, 40' 1/2"	**511.60**	ea	2	C		1	1	N
54469	**5H12-HA**	235	Inlet hose assy, for 5000 series hose reels	**36.14**	ea	2	C	1	1	1	N
82089	**5H14-20**	235	Hose reel, 20' 1/4"	**374.34**	ea	2	C		1	1	N
82085	**5H14-30**	235	Hose reel, 30' 1/4"	**400.86**	ea	2	C		1	1	N
82082	**5H14-35**	235	Hose reel, 35' 1/4"	**414.29**	ea	2	C		1	1	N
82092	**5H14-40**	235	Hose reel, 40' 1/4"	**429.00**	ea	2	C		1	1	N
82093	**5H14-50**	235	Hose reel, 50' 1/4"	**455.43**	ea	2	C		1	1	N
82090	**5H14-60**	235	Hose reel, 60' 1/4"	**483.51**	ea	2	C		1	1	N
82088	**5H38-20**	235	Hose reel, 20' 3/8"	**399.29**	ea	2	C		1	1	N
82081	**5H38-30**	235	Hose reel, 30' 3/8"	**425.80**	ea	2	C		1	1	N
82084	**5H38-35**	235	Hose reel, 35' 3/8"	**445.71**	ea	2	C		1	1	N
82095	**5H38-40**	235	Hose reel, 40' 3/8"	**467.91**	ea	2	C		1	1	N
82091	**5H38-50**	235	Hose reel, 50' 3/8"	**494.43**	ea	2	C		1	1	N
54724	**5100B5W**	191	IEC309 Inlt, Str 4P5W, 100A/3PhY347/600V, WT	**284.14**	ea	2	C		2	1	N
54722	**5100B7W**	191	IEC309 Inlt, Str 4P5W, 100A/3PhY277/480V, WT	**284.14**	ea	2	C	2.4	2	1	N
54725	**5100B9W**	191	IEC309 Inlt, Str 4P5W, 100A/3PhY120/208V, WT	**284.14**	ea	2	C	2.6	2	1	N
54733	**5100C5W**	191	IEC309 Conn 4P5W, 100A/3PhY347/600V, WT	**290.21**	ea	2	C		2	1	N
54729	**5100C7W**	191	IEC309 Conn 4P5W, 100A/3PhY277/480V, WT	**290.21**	ea	2	C	3.25	2	1	N
54735	**5100C9W**	191	IEC309 Conn 4P5W, 100A/3PhY120/208V, WT	**290.21**	ea	2	C	3.25	2	1	N
54731	**5100P5W**	191	IEC309 Plug 4P5W, 100A/3PhY347/600V, WT	**242.00**	ea	2	C		2	1	N
54737	**5100P7W**	191	IEC309 Plug 4P5W, 100A/3PhY277/480V, WT	**242.00**	ea	2	C	3.25	2	1	N
54727	**5100P9W**	191	IEC309 Plug 4P5W, 100A/3PhY120/208V, WT	**242.00**	ea	2	C	3.25	2	1	N
55006	**5100R5W**	191	IEC309 Rcpt, Str 4P5W, 100A/3PhY347/600V, WT	**213.93**	ea	2	C		2	1	N
55004	**5100R7W**	191	IEC309 Rcpt, Str 4P5W, 100A/3PhY277/480V, WT	**213.93**	ea	2	C	2.375	2	1	N
55008	**5100R9W**	191	IEC309 Rcpt, Str 4P5W, 100A/3PhY120/208V, WT	**213.93**	ea	2	C	2.375	2	1	N
54741	**5100RA5W**	191	IEC309 Rcpt, Ang 4P5W, 100A/3PhY347/600V, WT	**213.93**	ea	2	C		2	1	N
54743	**5100RA7W**	191	IEC309 Rcpt, Ang 4P5W, 100A/3PhY277/480V, WT	**213.93**	ea	2	C		2	1	N
54739	**5100RA9W**	191	IEC309 Rcpt, Ang 4P5W, 100A/3PhY120/208V, WT	**213.93**	ea	2	C		2	1	N
81939	**5103-20**	226	Cbl reel, 20' #10/3 SO	**522.86**	ea	2	C	58.6	1	1	N
81938	**5103-30**	226	Cbl reel, 30' #10/3 SO	**685.71**	ea	2	C	61.4	1	1	N
81955	**5103-40**	226	Cbl reel, 40' #10/3 SO	**750.00**	ea	2	C	64.2	1	1	N
81933	**5103-50**	226	Cbl reel, 50' #10/3 SO	**1128.57**	ea	2	C	67	1	1	N
81926	**5103-60**	226	Cbl reel, 60' #10/3 SO	**1411.43**	ea	2	C	83.8	1	1	N
81929	**5104-20**	226	Cbl reel, 20' #10/4 SO	**685.71**	ea	2	C	60	1	1	N
81927	**5104-30**	226	Cbl reel, 30' #10/4 SO	**734.29**	ea	2	C	63.5	1	1	N
81932	**5104-40**	226	Cbl reel, 40' #10/4 SO	**761.43**	ea	2	C	67	1	1	N
81937	**5104-50**	226	Cbl reel, 50' #10/4 SO	**1311.43**	ea	2	C	70.5	1	1	N
81945	**5106-20**	226	Cbl reel, 20' #10/6 SO	**940.00**	ea	2	C	67	1	1	N
81956	**5106-30**	226	Cbl reel, 30' #10/6 SO	**1318.57**	ea	2	C	73	1	1	N
55997	**510RR**	93	Sealing Collar for boots	**14.93**	ea	2	C	0.2	10	1	S
81936	**5123-20**	226	Cbl reel, 20' #12/3 SO	**582.86**	ea	2	C	57.6	1	1	N
81953	**5123-30**	226	Cbl reel, 30' #12/3 SO	**618.57**	ea	2	C	59.9	1	1	N
81943	**5123-40**	226	Cbl reel, 40' #12/3 SO	**675.71**	ea	2	C	62.2	1	1	N
81940	**5123-50**	226	Cbl reel, 50' #12/3 SO	**745.71**	ea	2	C	64.5	1	1	N
81928	**5123-60**	226	Cbl reel, 60' #12/3 SO	**1095.71**	ea	2	C	80.8	1	1	N
81935	**5124-20**	226	Cbl reel, 20' #12/4 SO	**648.57**	ea	2	C	57.4	1	1	N
81925	**5124-30**	226	Cbl reel, 30' #12/4 SO	**671.43**	ea	2	C	61.1	1	1	N
81931	**5124-40**	226	Cbl reel, 40' #12/4 SO	**717.14**	ea	2	C	63.8	1	1	N
81944	**5124-50**	226	Cbl reel, 50' #12/4 SO	**752.86**	ea	2	C	66.5	1	1	N
81951	**5124-60**	226	Cbl reel, 60' #12/4 SO	**1212.86**	ea	2	C	83.2	1	1	N
49397	**5125B6W**	198	IEC309 4P5W, 125A/220-380V, 240-415V, WT	**284.14**	ea	2	C	1.875	2	1	N
49398	**5125C6W**	198	IEC309 Conn, 4P5W, 125A/220-380V, 240-415V, WT	**290.21**	ea	2	C	1.875	2	1	N
49399	**5125P6W**	198	IEC309 Plug, 4P5W, 125A/220-380V, 240-415V, WT	**249.86**	ea	2	C	2.687	2	1	N
49400	**5125R6W**	198	IEC309 Rcpt, 4P5W, 125A/220-380V, 240-415V, WT	**213.93**	ea	2	C	2.063	2	1	N
49401	**5125RA6W**	198	IEC309 4P5W, 125A/220-380V, 240-415V WT	**213.93**	ea	2	C		2	1	N
81948	**5126-20**	226	Cbl reel, 20' #12/6 SO	**800.00**	ea	2	C	62.4	1	1	N
81952	**5126-30**	226	Cbl reel, 30' #12/6 SO	**864.29**	ea	2	C	66.1	1	1	N
81942	**5128-20**	226	Cbl reel, 20' #12/8 SO	**911.43**	ea	2	C	64.4	1	1	N

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Suggested Resale Price Sheet No. 37
Effective Date: June 15, 2000
Supersedes Distributor Net Price Sheet
No. 36 Dated May 15,1997

Symbol legend:
N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
83524	**513-25**	37	Pivot Lite, 13W, 6ft. #16/3, ballast in handle, side outlet	**91.64**	ea	2	C		1	1	N
83525	**513-50**	37	Pivot Lite, 13W, 50ft. #16/3, ballast in handle, side outlet	**105.93**	ea	2	C		1	1	N
83526	**513DC-15**	37	Pivot Lite, 13W, 12VDC, 15ft. SPT2 cord w/ cig lighter plug	**142.07**	ea	2	C		1	1	N
81920	**51410-20**	226	Cbl reel, 20' #14/10 SO	**1004.29**	ea	2	C	66.6	1	1	N
81907	**5143-20**	226	Cbl reel, 20' #14/3 SO	**564.29**	ea	2	C	56.4	1	1	N
81904	**5143-30**	226	Cbl reel, 30' #14/3 SO	**604.29**	ea	2	C	58.1	1	1	N
81903	**5143-40**	226	Cbl reel, 40' #14/3 SO	**631.43**	ea	2	C	59.8	1	1	N
81924	**5143-50**	226	Cbl reel, 50' #14/3 SO	**675.71**	ea	2	C	61.5	1	1	N
81947	**5143-60**	226	Cbl reel, 60' #14/3 SO	**1010.00**	ea	2	C	76.2	1	1	N
81930	**5143-70**	226	Cbl reel, 70' #14/3 SO	**1038.57**	ea	2	C	77.9	1	1	N
81922	**5144-20**	226	Cbl reel, 20' #14/4 SO	**628.57**	ea	2	C	57.2	1	1	N
81923	**5144-30**	226	Cbl reel, 30' #14/4 SO	**662.86**	ea	2	C	59.3	1	1	N
81946	**5144-40**	226	Cbl reel, 40' #14/4 SO	**697.14**	ea	2	C	61.4	1	1	N
81949	**5144-50**	226	Cbl reel, 50' #14/4 SO	**748.57**	ea	2	C	76.5	1	1	N
81941	**5144-60**	226	Cbl reel, 60' #14/4 SO	**1010.00**	ea	2	C	78.6	1	1	N
81954	**5144-70**	226	Cbl reel, 70' #14/4 SO	**1041.43**	ea	2	C	80.7	1	1	N
81888	**5146-20**	226	Cbl reel, 20' #14/6 SO	**815.71**	ea	2	C	61	1	1	N
81913	**5146-30**	226	Cbl reel, 30' #14/6 SO	**858.57**	ea	2	C	64	1	1	N
81950	**5146-40**	226	Cbl reel, 40' #14/6 SO	**1174.29**	ea	2	C	67	1	1	N
81934	**5146-50**	226	Cbl reel, 50' #14/6 SO	**1387.14**	ea	2	C	81	1	1	N
81917	**5148-20**	226	Cbl reel, 20' #14/8 SO	**878.57**	ea	2	C	62.4	1	1	N
81898	**5148-30**	226	Cbl reel, 30' #14/8 SO	**1055.71**	ea	2	C	66.1	1	1	N
81914	**51610-20**	226	Cbl reel, 20' #16/10 SO	**897.14**	ea	2	C	63.6	1	1	N
81899	**51610-30**	226	Cbl reel, 30' #16/10 SO	**945.71**	ea	2	C	66.4	1	1	N
81916	**51610-40**	226	Cbl reel, 40' #16/10 SO	**1241.43**	ea	2	C	69.2	1	1	N
81912	**51612-20**	226	Cbl reel, 20' #16/12 SO	**962.86**	ea	2	C	64.2	1	1	N
81902	**51612-30**	226	Cbl reel, 30' #16/12 SO	**1221.43**	ea	2	C	67.3	1	1	N
81919	**51612-40**	226	Cbl reel, 40' #16/12 SO	**1308.57**	ea	2	C	70.4	1	1	N
81889	**5163-20**	226	Cbl reel, 20' #16/3 SO	**551.43**	ea	2	C	55	1	1	N
81894	**5163-30**	226	Cbl reel, 30' #16/3 SO	**568.57**	ea	2	C	56	1	1	N
81901	**5163-40**	226	Cbl reel, 40' #16/3 SO	**577.14**	ea	2	C	57	1	1	N
81905	**5163-50**	226	Cbl reel, 50' #16/3 SO	**585.71**	ea	2	C	58	1	1	N
81909	**5163-60**	226	Cbl reel, 60' #16/3 SO	**630.00**	ea	2	C	72	1	1	N
81921	**5163-70**	226	Cbl reel, 70' #16/3 SO	**888.57**	ea	2	C	73	1	1	N
81910	**5164-20**	226	Cbl reel, 20' #16/4 SO	**597.14**	ea	2	C	55.8	1	1	N
81900	**5164-30**	226	Cbl reel, 30' #16/4 SO	**630.00**	ea	2	C	57.2	1	1	N
81908	**5164-40**	226	Cbl reel, 40' #16/4 SO	**630.00**	ea	2	C	58.6	1	1	N
81890	**5164-50**	226	Cbl reel, 50' #16/4 SO	**675.71**	ea	2	C	73	1	1	N
81918	**5164-60**	226	Cbl reel, 60' #16/4 SO	**691.43**	ea	2	C	74.4	1	1	N
81892	**5164-70**	226	Cbl reel, 70' #16/4 SO	**1000.00**	ea	2	C	75.8	1	1	N
81906	**5166-20**	226	Cbl reel, 20' #16/6 SO	**777.14**	ea	2	C	56.6	1	1	N
81897	**5166-30**	226	Cbl reel, 30' #16/6 SO	**795.71**	ea	2	C	58.4	1	1	N
81915	**5166-40**	226	Cbl reel, 40' #16/6 SO	**815.71**	ea	2	C	60.2	1	1	N
81896	**5166-50**	226	Cbl reel, 50' #16/6 SO	**882.86**	ea	2	C	62	1	1	N
81891	**5168-20**	226	Cbl reel, 20' #16/8 SO	**831.43**	ea	2	C	60.4	1	1	N
81895	**5168-30**	226	Cbl reel, 30' #16/8 SO	**852.86**	ea	2	C	62.6	1	1	N
81911	**5168-40**	226	Cbl reel, 40' #16/8 SO	**917.14**	ea	2	C	64.8	1	1	N
81893	**5168-50**	226	Cbl reel, 50' #16/8 SO	**974.29**	ea	2	C	67	1	1	N
49402	**516B6S**	199	IEC309 4P5W, 16A/220-380V, 240-415V, SP	**62.71**	ea	2	C	2.375	10	1	N
49403	**516BA6W**	198	IEC309 4P5W, 16A/220-380V, 240-415V, SP	**76.71**	ea	2	C	2.375	10	1	N
49404	**516C6E**	200	IEC309 4P5W, 16A/220-380V, 240-415V, SP, CS	**65.14**	ea	2	C		10	1	N
49405	**516C6S**	199	IEC309 4P5W, 16A/220-380V, 240-415V, SP, CG	**81.64**	ea	2	C		10	1	N
49406	**516C6W**	198	IEC309 4P5W, 16A/220-380V, 240-415V, WT	**98.43**	ea	2	C	0.312	10	1	N
49407	**516P6E**	200	IEC309 4P5W, 16A/220-380V, 240-415V, SP, CS	**49.86**	ea	2	C		10	1	N
49408	**516P6S**	199	IEC309 4P5W, 16A/220-380V, 240-415V, SP, CG	**62.79**	ea	2	C	0.5	10	1	N
49409	**516P6W**	198	IEC309 4P5W, 16A/220-380V, 240-415V, WT	**77.07**	ea	2	C	2.375	10	1	N
49410	**516R6S**	199	IEC309 4P5W, 16A/220-380V, 240-415V, SP	**61.79**	ea	2	C	0.6	10	1	N
49411	**516R6W**	198	IEC309 4P5W, 16A/220-380V, 240-415V, WT	**77.07**	ea	2	C	0.6	10	1	N
49412	**516RA6S**	199	IEC309 4P5W, 16A/220-380V, 240-415V, SP	**61.79**	ea	2	C		10	1	N
49413	**516RA6W**	198	IEC309 4P5W, 16A/220-380V, 240-415V, WT	**77.07**	ea	2	C		10	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
55013	**520B5S**	192	IEC309 Inlt, Str 4P5W, 20A/3PhY347/600V, SP	**62.71**	ea	2	C		10	1	N
55015	**520B7S**	192	IEC309 Inlt, Str 4P5W, 20A/3PhY277/480V, SP	**62.71**	ea	2	C	2.375	10	1	N
55014	**520B9S**	192	IEC309 Inlt, Str 4P5W, 20A/3PhY120/208V, SP	**62.71**	ea	2	C		10	1	N
54761	**520BA5W**	190	IEC309 Inlt, Ang80 4P5W, 20A/3PhY347/600V, WT	**76.71**	ea	2	C	2.375	10	1	N
54762	**520BA7W**	190	IEC309 Inlt, Ang80 4P5W, 20A/3PhY277/480V, WT	**76.71**	ea	2	C	2.375	10	1	N
54763	**520BA9W**	190	IEC309 Inlt, Ang80 4P5W, 20A/3PhY120/208V, WT	**76.71**	ea	2	C	2.375	10	1	N
54745	**520C5E**	193	IEC309 Conn 4P5W, 20A/3PhY347/600V, SP, CS	**65.14**	ea	2	C		10	1	N
54746	**520C5S**	192	IEC309 Conn 4P5W, 20A/3PhY347/600V, SP, CG	**81.64**	ea	2	C	2.375	10	1	N
54748	**520C5W**	190	IEC309 Conn 4P5W, 20A/3PhY347/600V, WT	**92.64**	ea	2	C	2.375	10	1	N
54750	**520C7E**	193	IEC309 Conn 4P5W, 20A/3PhY277/480V, SP, CS	**65.14**	ea	2	C		10	1	N
54752	**520C7S**	192	IEC309 Conn 4P5W, 20A/3PhY277/480V, SP, CG	**81.64**	ea	2	C	2.375	10	1	N
54754	**520C7W**	190	IEC309 Conn 4P5W, 20A/3PhY277/480V, WT	**92.64**	ea	2	C	2.375	10	1	N
54756	**520C9E**	193	IEC309 Conn 4P5W, 20A/3PhY120/208V, SP, CS	**65.14**	ea	2	C		10	1	N
54758	**520C9S**	192	IEC309 Conn 4P5W, 20A/3PhY120/208V, SP, CG	**81.64**	ea	2	C	2.375	10	1	N
54760	**520C9W**	190	IEC309 Conn 4P5W, 20A/3PhY120/208V, WT	**92.64**	ea	2	C	2.375	10	1	N
54765	**520MI5S**	194	IEC309 MI 4P5W, 20A/3PhY347/600V, SP	**456.29**	ea	2	C		1	1	N
54767	**520MI5W**	194	IEC309 MI 4P5W, 20A/3PhY347/600V, WT	**485.43**	ea	2	C		1	1	N
54769	**520MI7S**	194	IEC309 MI 4P5W, 20A/3PhY277/480V, SP	**456.29**	ea	2	C		1	1	N
54771	**520MI7W**	194	IEC309 MI 4P5W, 20A/3PhY277/480V, WT	**485.43**	ea	2	C		1	1	N
54773	**520MI9S**	194	IEC309 MI 4P5W, 20A/3PhY120/208V, SP	**456.29**	ea	2	C		1	1	N
54774	**520MI9W**	194	IEC309 MI 4P5W, 20A/3PhY120/208V, WT	**485.43**	ea	2	C		1	1	N
54785	**520P5E**	193	IEC309 Plug 4P5W, 20A/3PhY347/600V, SP, CS	**49.86**	ea	2	C		10	1	N
54786	**520P5S**	192	IEC309 Plug 4P5W, 20A/3PhY347/600V, SP, CG	**62.79**	ea	2	C	2.375	10	1	N
54788	**520P5W**	190	IEC309 Plug 4P5W, 20A/3PhY347/600V, WT	**77.07**	ea	2	C	2.375	10	1	N
54790	**520P7E**	193	IEC309 Plug 4P5W, 20A/3PhY277/480V, SP, CS	**49.86**	ea	2	C		10	1	N
54792	**520P7S**	192	IEC309 Plug 4P5W, 20A/3PhY277/480V, SP, CG	**62.79**	ea	2	C	2.375	10	1	N
54794	**520P7W**	190	IEC309 Plug 4P5W, 20A/3PhY277/480V, WT	**77.07**	ea	2	C	2.375	10	1	N
54796	**520P9E**	193	IEC309 Plug 4P5W, 20A/3PhY120/208V, SP, CS	**49.86**	ea	2	C		10	1	N
54797	**520P9S**	192	IEC309 Plug 4P5W, 20A/3PhY120/208V, SP, CG	**62.79**	ea	2	C	2.375	10	1	N
54799	**520P9W**	190	IEC309 Plug 4P5W, 20A/3PhY120/208V, WT	**77.07**	ea	2	C	2.375	10	1	N
54776	**520R5S**	192	IEC309 Rcpt, Str 4P5W, 20A/3PhY347/600V, SP	**61.79**	ea	2	C	2.375	10	1	N
54778	**520R5W**	190	IEC309 Rcpt, Str 4P5W, 20A/3PhY347/600V, WT	**78.50**	ea	2	C	2.375	10	1	N
54780	**520R7S**	192	IEC309 Rcpt, Str 4P5W, 20A/3PhY277/480V, SP	**61.79**	ea	2	C	2.375	10	1	N
54783	**520R7W**	190	IEC309 Rcpt, Str 4P5W, 20A/3PhY277/480V, WT	**78.50**	ea	2	C	2.375	10	1	N
54781	**520R9S**	192	IEC309 Rcpt, Str 4P5W, 20A/3PhY120/208V, SP	**61.79**	ea	2	C	2.375	10	1	N
54782	**520R9W**	190	IEC309 Rcpt, Str 4P5W, 20A/3PhY120/208V, WT	**78.50**	ea	2	C	2.375	10	1	N
54800	**520RA5S**	192	IEC309 Rcpt, Ang 4P5W, 20A/3PhY347/600V, SP	**61.79**	ea	2	C		10	1	N
54801	**520RA5W**	190	IEC309 Rcpt, Ang 4P5W, 20A/3PhY347/600V, WT	**78.50**	ea	2	C		10	1	N
54802	**520RA7S**	192	IEC309 Rcpt, Ang 4P5W, 20A/3PhY277/480V, SP	**61.79**	ea	2	C		10	1	N
54804	**520RA7W**	190	IEC309 Rcpt, Ang 4P5W, 20A/3PhY277/480V, WT	**78.50**	ea	2	C		10	1	N
54806	**520RA9S**	192	IEC309 Rcpt, Ang 4P5W, 20A/3PhY120/208V, SP	**61.79**	ea	2	C		10	1	N
54808	**520RA9W**	190	IEC309 Rcpt, Ang 4P5W, 20A/3PhY120/208V, WT	**78.50**	ea	2	C		10	1	N
54809	**530B2S**	192	IEC309 Inlt, Str 4P5W, 30A/50-600 400Hz, SP	**99.14**	ea	2	C		10	1	N
54811	**530B5S**	192	IEC309 Inlt, Str 4P5W, 30A/3PhY347/600V, SP	**99.14**	ea	2	C	2.375	10	1	N
54814	**530B7S**	192	IEC309 Inlt, Str 4P5W, 30A/3PhY277/480V, SP	**99.14**	ea	2	C	2.375	10	1	N
54816	**530B9S**	192	IEC309 Inlt, Str 4P5W, 30A/3PhY120/208V, SP	**99.14**	ea	2	C	0.312	10	1	N
54947	**530BA2W**	190	IEC309 Inlt, Ang80 4P5W, 30A/50-600 400Hz, WT	**141.00**	ea	2	C		10	1	N
54948	**530BA5W**	190	IEC309 Inlt, Ang80 4P5W, 30A/3PhY347/600V, WT	**141.00**	ea	2	C	2.375	10	1	N
54950	**530BA7W**	190	IEC309 Inlt, Ang80 4P5W, 30A/3PhY277/480V, WT	**141.00**	ea	2	C	2.375	10	1	N
54951	**530BA9W**	190	IEC309 Inlt, Ang80 4P5W, 30A/3PhY120/208V, WT	**141.00**	ea	2	C	0.312	10	1	N
54817	**530C2E**	192	IEC309 Conn 4P5W, 30A/50-600 400Hz, SP, CS	**85.14**	ea	2	C		10	1	N
54819	**530C2S**	190	IEC309 Conn 4P5W, 30A/50-600 400Hz, SP, CG	**104.50**	ea	2	C		10	1	N
54821	**530C2W**	193	IEC309 Conn 4P5W, 30A/50-600 400Hz, WT	**124.21**	ea	2	C		10	1	N
54822	**530C5E**	192	IEC309 Conn 4P5W, 30A/3PhY347/600V, SP, CS	**85.14**	ea	2	C		10	1	N
54823	**530C5S**	190	IEC309 Conn 4P5W, 30A/3PhY347/600V, SP, CG	**104.50**	ea	2	C	2.375	10	1	N
54825	**530C5W**	193	IEC309 Conn 4P5W, 30A/3PhY347/600V, WT	**124.21**	ea	2	C	2.375	10	1	N
54826	**530C7E**	192	IEC309 Conn 4P5W, 30A/3PhY277/480V, SP, CS	**85.14**	ea	2	C		10	1	N
54828	**530C7S**	190	IEC309 Conn 4P5W, 30A/3PhY277/480V, SP, CG	**104.50**	ea	2	C	2.375	10	1	N
54829	**530C7W**	193	IEC309 Conn 4P5W, 30A/3PhY277/480V, WT	**124.21**	ea	2	C		10	1	N
54832	**530C9E**		IEC309 Conn 4P5W, 30A/3PhY120/208V, SP, CS	**85.14**	ea	2	C		10	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54833	**530C9S**	192	IEC309 Conn 4P5W, 30A/3PhY120/208V, SP, CG	**104.50**	ea	2	C	2.375	10	1	N
54835	**530C9W**	190	IEC309 Conn 4P5W, 30A/3PhY120/208V, WT	**124.21**	ea	2	C	2.375	10	1	N
54996	**530MI5S**	194	IEC309 MI 4P5W, 30A/3PhY347/600V, SP	**503.79**	ea	2	C		1	1	N
54998	**530MI5W**	194	IEC309 MI 4P5W, 30A/3PhY347/600V, WT	**545.57**	ea	2	C		1	1	N
55000	**530MI7S**	194	IEC309 MI 4P5W, 30A/3PhY277/480V, SP	**503.79**	ea	2	C		1	1	N
55003	**530MI7W**	194	IEC309 MI 4P5W, 30A/3PhY277/480V, WT	**545.57**	ea	2	C		1	1	N
55009	**530MI9S**	194	IEC309 MI 4P5W, 30A/3PhY120/208V, SP	**503.79**	ea	2	C		1	1	N
55011	**530MI9W**	194	IEC309 MI 4P5W, 30A/3PhY120/208V, WT	**545.57**	ea	2	C		1	1	N
54837	**530P2E**		IEC309 Plug 4P5W, 30A/50-600 400Hz, SP, CS	**82.00**	ea	2	C		10	1	N
54838	**530P2S**	192	IEC309 Plug 4P5W, 30A/50-600 400Hz, SP, CG	**103.00**	ea	2	C		10	1	N
54839	**530P2W**	190	IEC309 Plug 4P5W, 30A/50-600 400Hz, WT	**125.64**	ea	2	C		10	1	N
54840	**530P5E**	193	IEC309 Plug 4P5W, 30A/3PhY347/600V, SP, CS	**82.00**	ea	2	C		10	1	N
54841	**530P5S**	192	IEC309 Plug 4P5W, 30A/3PhY347/600V, SP, CG	**103.00**	ea	2	C	0.625	10	1	N
54842	**530P5W**	190	IEC309 Plug 4P5W, 30A/3PhY347/600V, WT	**125.64**	ea	2	C	2.375	10	1	N
54843	**530P7E**	193	IEC309 Plug 4P5W, 30A/3PhY277/480V, SP, CS	**82.00**	ea	2	C		10	1	N
54844	**530P7S**	192	IEC309 Plug 4P5W, 30A/3PhY277/480V, SP, CG	**103.00**	ea	2	C	2.375	10	1	N
54845	**530P7W**	190	IEC309 Plug 4P5W, 30A/3PhY277/480V, WT	**125.64**	ea	2	C	2.375	10	1	N
54846	**530P9E**	193	IEC309 Plug 4P5W, 30A/3PhY120/208V, SP, CS	**82.00**	ea	2	C		10	1	N
54847	**530P9S**	192	IEC309 Plug 4P5W, 30A/3PhY120/208V, SP, CG	**103.00**	ea	2	C	2.375	10	1	N
54848	**530P9W**	190	IEC309 Plug 4P5W, 30A/3PhY120/208V, WT	**125.64**	ea	2	C	2.375	10	1	N
54853	**530R2S**	192	IEC309 Rcpt, Str 4P5W, 30A/50-600 400Hz, SP	**90.57**	ea	2	C		10	1	N
54855	**530R2W**	190	IEC309 Rcpt, Str 4P5W, 30A/50-600 400Hz, WT	**108.71**	ea	2	C		10	1	N
54856	**530R5S**	192	IEC309 Rcpt, Str 4P5W, 30A/3PhY347/600V, SP	**90.57**	ea	2	C	0.75	10	1	N
54857	**530R5W**	190	IEC309 Rcpt, Str 4P5W, 30A/3PhY347/600V, WT	**108.71**	ea	2	C	2.375	10	1	N
54859	**530R7S**	192	IEC309 Rcpt, Str 4P5W, 30A/3PhY277/480V, SP	**90.57**	ea	2	C	2.375	10	1	N
54861	**530R7W**	190	IEC309 Rcpt, Str 4P5W, 30A/3PhY277/480V, WT	**108.71**	ea	2	C	2.375	10	1	N
54864	**530R9S**	192	IEC309 Rcpt, Str 4P5W, 30A/3PhY120/208V, SP	**90.57**	ea	2	C	0.687	10	1	N
54865	**530R9W**	190	IEC309 Rcpt, Str 4P5W, 30A/3PhY120/208V, WT	**108.71**	ea	2	C	2.375	10	1	N
54867	**530RA2S**	192	IEC309 Rcpt, Ang 4P5W, 30A/50-600 400Hz, SP	**90.57**	ea	2	C		10	1	N
54868	**530RA2W**	190	IEC309 Rcpt, Ang 4P5W, 30A/50-600 400Hz, WT	**108.71**	ea	2	C		10	1	N
54869	**530RA5S**	192	IEC309 Rcpt, Ang 4P5W, 30A/3PhY347/600V, SP	**90.57**	ea	2	C		10	1	N
54874	**530RA5W**	190	IEC309 Rcpt, Ang 4P5W, 30A/3PhY347/600V, WT	**108.71**	ea	2	C		10	1	N
54876	**530RA7S**	192	IEC309 Rcpt, Ang 4P5W, 30A/3PhY277/480V, SP	**90.57**	ea	2	C		10	1	N
54879	**530RA7W**	190	IEC309 Rcpt, Ang 4P5W, 30A/3PhY277/480V, WT	**108.71**	ea	2	C		10	1	N
54881	**530RA9S**	192	IEC309 Rcpt, Ang 4P5W, 30A/3PhY120/208V, SP	**90.57**	ea	2	C		10	1	N
54884	**530RA9W**	190	IEC309 Rcpt, Ang 4P5W, 30A/3PhY120/208V, WT	**108.71**	ea	2	C		10	1	N
49372	**532B6S**	199	IEC309 4P5W, 32A/220/380V,240/415V, SP	**99.14**	ea	2	C		10	1	N
49373	**532BA6W**	198	IEC309 4P5W, 32A/220/380V,240/415V, WT	**132.00**	ea	2	C	0.312	10	1	N
49374	**532C6E**	200	IEC309 4P5W, 32A/220/380V,240/415V, SP, CS	**85.14**	ea	2	C		10	1	N
49375	**532C6S**	199	IEC309 4P5W, 32A/220/380V,240/415V, SP, CG	**104.50**	ea	2	C	0.312	10	1	N
49376	**532C6W**	198	IEC309 4P5W, 32A/220/380V,240/415V, WT	**141.00**	ea	2	C	0.312	10	1	N
49377	**532P6E**	200	IEC309 4P5W, 32A/220/380V,240/415V, SP, CS	**82.00**	ea	2	C		10	1	N
49378	**532P6S**	199	IEC309 4P5W, 32A/220/380V,240/415V, SP, CG	**103.00**	ea	2	C	0.312	10	1	N
49379	**532P6W**	198	IEC309 4P5W, 32A/220/380V,240/415V, WT	**125.64**	ea	2	C	0.312	10	1	N
49380	**532R6S**	199	IEC309 4P5W, 32A/220/380V,240/415V, SP	**90.57**	ea	2	C	0.6	10	1	N
49381	**532R6W**	198	IEC309 4P5W, 32A/220/380V,240/415V, WT	**108.71**	ea	2	C	0.6	10	1	N
49382	**532RA6S**	199	IEC309 4P5W, 32A/220/380V,240/415V, SP	**90.57**	ea	2	C		10	1	N
49383	**532RA6W**	198	IEC309 4P5W, 32A/220/380V,240/415V, WT	**108.71**	ea	2	C		10	1	N
56165	**5500**	243	Replacement Switch, single speed	**35.00**	ea	7	C	1	1	1	
56166	**5500-2**	243	Replacement Switch, two speed	**57.50**	ea	7	C	1	1	1	
81737	**5500-LS**	243	Pend stn button legend sht	**16.67**	ea	7	C				
81738	**5500-LSV**	243	Pend stn button legend sht, vertical lgnds	**8.33**	ea	7	C				
56167	**5502**	242	Two Button Station, single speed	**137.57**	ea	2	C	2	1	1	S
56168	**5502-2**	242	Two Button Station, two speed	**178.84**	ea	2	C	2	1	1	
59082	**5502-PG**	240	Two Button Station, single speed, pistol grip	**45.00**	ea	2	C	0.6	1	1	S
56169	**5504**	242	Four Button Station, single speed	**264.00**	ea	2	C	2	1	1	S
56170	**5504-2**	242	Four Button Station, two speed	**348.86**	ea	2	C	2	1	1	
56171	**5506**	242	Six Button Station, single speed	**392.39**	ea	2	C	3	1	1	S
56172	**5506-2**	242	Six Button Station, two speed	**519.67**	ea	2	C	3	1	1	
56173	**5508**	242	Eight Button Station, single speed	**442.37**	ea	2	C	3	1	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
56174	**5508-2**	242	Eight Button Station, two speed	**607.46**	ea	2	C	3	1	1	
56175	**5600-5**	243	Replacement Switch, two-button,	**149.60**	ea	7	C	1	1	1	
82097	**5600-HS**	243	Switch, N.O. for horn, 5500/5600 series	**41.67**	ea	7	C				
82098	**5600-PL**	243	Pilot light, neon, red, 120/250V, 5500/5600 series	**41.67**	ea	7	C				
56176	**5601**	243	Replacement Switch, two-button, start/stop	**149.60**	ea	7	C	1	1	1	
82099	**5608-3**	242	Eight Button Station, 3 speed,	**774.29**	ea	2	C				
56177	**5608-5**	242	Eight Button Station, five speed, 3-motion w/ strt/stop	**909.00**	ea	2	C	4	1	1	
54902	**560BA2S**	192	IEC309 4P5W, 60A/50-600 400Hz, SP	**158.86**	ea	2	C		5	1	N
54905	**560BA2W**		IEC309 4P5W, 60A/50-600 400Hz, WT	**187.71**	ea	2	C		5	1	N
54907	**560BA5S**	192	IEC309 4P5W, 60A/3PhY347/600V, SP	**158.86**	ea	2	C		5	1	N
54909	**560BA5W**	191	IEC309 4P5W, 60A/3PhY347/600V, WT	**187.71**	ea	2	C		5	1	N
54912	**560BA7S**	192	IEC309 4P5W, 60A/3PhY277/480V, SP	**158.86**	ea	2	C	0.437	5	1	N
54914	**560BA7W**	191	IEC309 4P5W, 60A/3PhY277/480V, WT	**187.71**	ea	2	C	0.437	5	1	N
54916	**560BA9S**	192	IEC309 4P5W, 60A/3PhY120/208V, SP	**158.86**	ea	2	C	0.437	5	1	N
54917	**560BA9W**	191	IEC309 4P5W, 60A/3PhY120/208V, WT	**187.71**	ea	2	C	0.437	5	1	N
54889	**560C2E**		IEC309 Conn 4P5W, 60A/50-600 400Hz, SP, CS	**139.14**	ea	2	C		5	1	N
54890	**560C2S**	192	IEC309 Conn 4P5W, 60A/50-600 400Hz, SP, CG	**199.86**	ea	2	C		5	1	N
54891	**560C2W**		IEC309 Conn 4P5W, 60A/50-600 400Hz, WT	**197.07**	ea	2	C		5	1	N
54892	**560C5E**	193	IEC309 Conn 4P5W, 60A/3PhY347/600V, SP, CS	**139.14**	ea	2	C		5	1	N
54893	**560C5S**	192	IEC309 Conn 4P5W, 60A/3PhY347/600V, SP, CG	**199.86**	ea	2	C		5	1	N
54894	**560C5W**	191	IEC309 Conn 4P5W, 60A/3PhY347/600V, WT	**197.07**	ea	2	C		5	1	N
54895	**560C7E**	193	IEC309 Conn 4P5W, 60A/3PhY277/480V, SP, CS	**139.14**	ea	2	C		5	1	N
54896	**560C7S**	192	IEC309 Conn 4P5W, 60A/3PhY277/480V, SP, CG	**199.86**	ea	2	C	2.375	5	1	N
54897	**560C7W**	191	IEC309 Conn 4P5W, 60A/3PhY277/480V, WT	**197.07**	ea	2	C	2.375	5	1	N
54898	**560C9E**	193	IEC309 Conn 4P5W, 60A/3PhY120/208V, SP, CS	**139.14**	ea	2	C		5	1	N
54899	**560C9S**	192	IEC309 Conn 4P5W, 60A/3PhY120/208V, SP, CG	**168.43**	ea	2	C	2.375	5	1	N
54900	**560C9W**	191	IEC309 Conn 4P5W, 60A/3PhY120/208V, WT	**197.07**	ea	2	C	2.375	5	1	N
54919	**560MI5S**	194	IEC309 MI 4P5W, 60A/3PhY347/600V, SP	**641.71**	ea	2	C		1	1	N
54921	**560MI5W**	194	IEC309 MI 4P5W, 60A/3PhY347/600V, WT	**742.43**	ea	2	C		1	1	N
54925	**560MI7S**	194	IEC309 MI 4P5W, 60A/3PhY277/480V, SP	**641.71**	ea	2	C		1	1	N
54926	**560MI7W**	194	IEC309 MI 4P5W, 60A/3PhY277/480V, WT	**742.43**	ea	2	C		1	1	N
54927	**560MI9S**	194	IEC309 MI 4P5W, 60A/3PhY120/208V, SP	**641.71**	ea	2	C		1	1	N
54930	**560MI9W**	194	IEC309 MI 4P5W, 60A/3PhY120/208V, WT	**742.43**	ea	2	C		1	1	N
55125	**560P2E**		IEC309 Plug 4P5W, 60A/50-600 400Hz, SP, CS	**124.43**	ea	2	C		5	1	N
55126	**560P2S**	192	IEC309 Plug 4P5W, 60A/50-600 400Hz, SP, CG	**146.79**	ea	2	C		5	1	N
55128	**560P2W**		IEC309 Plug 4P5W, 60A/50-600 400Hz, WT	**173.36**	ea	2	C		5	1	N
55130	**560P5E**	193	IEC309 Plug 4P5W, 60A/3PhY347/600V, SP, CS	**124.43**	ea	2	C		5	1	N
55132	**560P5S**	192	IEC309 Plug 4P5W, 60A/3PhY347/600V, SP, CG	**146.79**	ea	2	C		5	1	N
55133	**560P5W**	191	IEC309 Plug 4P5W, 60A/3PhY347/600V, WT	**173.36**	ea	2	C		5	1	N
55135	**560P7E**	193	IEC309 Plug 4P5W, 60A/3PhY277/480V, SP, CS	**124.43**	ea	2	C		5	1	N
55136	**560P7S**	192	IEC309 Plug 4P5W, 60A/3PhY277/480V, SP, CG	**146.79**	ea	2	C	2.375	5	1	N
55138	**560P7W**	191	IEC309 Plug 4P5W, 60A/3PhY277/480V, WT	**173.36**	ea	2	C	2.375	5	1	N
55140	**560P9E**	193	IEC309 Plug 4P5W, 60A/3PhY120/208V, SP, CS	**124.43**	ea	2	C		5	1	N
55142	**560P9S**	192	IEC309 Plug 4P5W, 60A/3PhY120/208V, SP, CG	**146.79**	ea	2	C	2.375	5	1	N
55144	**560P9W**	191	IEC309 Plug 4P5W, 60A/3PhY120/208V, WT	**173.36**	ea	2	C	2.375	5	1	N
55145	**560R2S**	192	IEC309 Rcpt, Str 4P5W, 60A/50-600 400Hz, SP	**154.86**	ea	2	C		5	1	N
55147	**560R2W**		IEC309 Rcpt, Str 4P5W, 60A/50-600 400Hz, WT	**179.86**	ea	2	C		5	1	N
55149	**560R5S**	192	IEC309 Rcpt, Str 4P5W, 60A/3PhY347/600V, SP	**154.86**	ea	2	C		5	1	N
55151	**560R5W**	191	IEC309 Rcpt, Str 4P5W, 60A/3PhY347/600V, WT	**179.86**	ea	2	C		5	1	N
55152	**560R7S**	192	IEC309 Rcpt, Str 4P5W, 60A/3PhY277/480V, SP	**154.86**	ea	2	C	2.375	5	1	N
55153	**560R7W**	191	IEC309 Rcpt, Str 4P5W, 60A/3PhY277/480V, WT	**179.86**	ea	2	C	2.375	5	1	N
55157	**560R9S**	192	IEC309 Rcpt, Str 4P5W, 60A/3PhY120/208V, SP	**154.86**	ea	2	C	0.687	5	1	N
55159	**560R9W**	191	IEC309 Rcpt, Str 4P5W, 60A/3PhY120/208V, WT	**179.86**	ea	2	C	0.687	5	1	N
54931	**560RA2S**	192	IEC309 Rcpt, Ang 4P5W, 60A/50-600 400Hz, SP	**154.86**	ea	2	C		5	1	N
54933	**560RA2W**		IEC309 Rcpt, Ang 4P5W, 60A/50-600 400Hz, WT	**179.86**	ea	2	C		5	1	N
54936	**560RA5S**	192	IEC309 Rcpt, Ang 4P5W, 60A/3PhY347/600V, SP	**154.86**	ea	2	C		5	1	N
54938	**560RA5W**	191	IEC309 Rcpt, Ang 4P5W, 60A/3PhY347/600V, WT	**179.86**	ea	2	C		5	1	N
54939	**560RA7S**	192	IEC309 Rcpt, Ang 4P5W, 60A/3PhY277/480V, SP	**154.86**	ea	2	C		5	1	N
54941	**560RA7W**	191	IEC309 Rcpt, Ang 4P5W, 60A/3PhY277/480V, WT	**179.86**	ea	2	C		5	1	N
54944	**560RA9S**	192	IEC309 Rcpt, Ang 4P5W, 60A/3PhY120/208V, SP	**154.86**	ea	2	C		5	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
54946	**560RA9W**	191	IEC309 Rcpt, Ang 4P5W, 60A/3PhY120/208V, WT	**179.86**	ea	2	C		5	1	N
49385	**563BA6S**	199	IEC309 4P5W, 63A/220/380V,240/415V, SP	**158.86**	ea	2	C	0.312	5	1	N
49386	**563BA6W**	198	IEC309 4P5W, 63A/220/380V,240/415V, WT	**187.71**	ea	2	C	0.312	5	1	N
49387	**563C6E**	200	IEC309 4P5W, 63A/220/380V,240/415V, SP, CS	**139.14**	ea	2	C		5	1	N
49388	**563C6S**	199	IEC309 4P5W, 63A/220/380V,240/415V, SP, CG	**195.71**	ea	2	C	0.312	5	1	N
49389	**563C6W**	198	IEC309 4P5W, 63A/220/380V,240/415V, WT	**208.79**	ea	2	C	0.312	5	1	N
49390	**563P6E**	200	IEC309 4P5W, 63A/220/380V,240/415V, SP, CS	**124.43**	ea	2	C		5	1	N
49391	**563P6S**	199	IEC309 4P5W, 63A/220/380V,240/415V, SP, CG	**146.79**	ea	2	C	0.312	5	1	N
49392	**563P6W**	198	IEC309 4P5W, 63A/220/380V,240/415V, WT	**184.79**	ea	2	C	0.312	5	1	N
49393	**563R6S**	199	IEC309 4P5W, 63A/220/380V,240/415V, SP	**154.86**	ea	2	C	0.312	5	1	N
49394	**563R6W**	198	IEC309 4P5W, 63A/220/380V,240/415V, WT	**185.57**	ea	2	C	0.312	5	1	N
49395	**563RA6S**	199	IEC309 4P5W, 63A/220/380V,240/415V, SP	**154.86**	ea	2	C		5	1	N
49396	**563RA6W**	198	IEC309 4P5W, 63A/220/380V,240/415V, WT	**185.57**	ea	2	C		5	1	N
82101	**5702**	245	Pnd Stn., 2-btn, single spd, rbr encl	**162.86**	ea	2	C		1	1	
82102	**5702-2A**	245	Pnd Stn., 2-btn, 2-spd, rbr encl	**205.71**	ea	2	C		1	1	
82103	**5704**	245	Pnd Stn., 4-btn, single spd, rbr encl	**248.57**	ea	2	C		1	1	
82104	**5704-2A**	245	Pnd Stn., 4-btn, 2-spd, rbr encl	**334.29**	ea	2	C		1	1	
82105	**5706**	245	Pnd Stn., 6-btn, single spd, rbr encl	**342.86**	ea	2	C		1	1	
82106	**5706-2A**	245	Pnd Stn., 6-btn, 2-spd, rbr encl	**471.43**	ea	2	C		1	1	
82107	**5708**	245	Pnd Stn., 8-btn, single spd, rbr encl	**437.14**	ea	2	C		1	1	
82108	**5708-2A**	245	Pnd Stn., 8-btn, 2-spd, rbr encl	**565.71**	ea	2	C		1	1	
56200	**6000**	108	Port outlet box for 2 duplex recepts	**26.53**	ea	2	B	0.7	10	1	S
59001	**60001**	110	6000 box w/ (2) 5-15 recepts, 1' 14/3 cord & plug	**80.13**	ea	2	B	3.33	6	1	
56201	**6000-F**	108	Same as 6000 w/feed-thru	**35.91**	ea	2	B	0.8	10	1	S
56202	**6002**	108	Port outlet box for 2 duplex recepts, 4-5/32 DP	**28.96**	ea	2	B	1	10	1	S
59005	**60025**	110	6000 box w/ (2) 5-15 recepts, 25' 14/3 cord & plug	**112.79**	ea	2	B	7.33	6	1	
56203	**6002-F**	108	Same as 6002 w/feed-thru	**38.34**	ea	2	B	1.1	10	1	
56205	**6005**	108	For 2 single receptacles, (1.390 dia. Hole)	**27.13**	ea	2	B	0.7	10	1	
59010	**60050**	110	6000 box w/ (2) 5-15 recepts, 50' 14/3 cord & plug	**146.81**	ea	2	B	10	6	1	
56206	**6005-F**	108	Same as 6005 w/feed-thru	**36.51**	ea	2	B	0.9	10	1	
56207	**6006**	108	For 2 single receptacles, (1.390 dia. Hole) 4-5/32 DP	**29.57**	ea	2	B	1	10	1	
49047	**6006-143A2**	110	6106 w/2 L5-15, 25' #14/3 cord w/L5-15 plug	**131.97**	ea	2	B	6.75	5	1	
49048	**6006-143B2**	110	6106 w/2 L5-15, 50' #14/3 cord w/L5-15 plug	**168.58**	ea	2	B	12	5	1	
49046	**6006-143C2**	110	6106 w/2 L5-15, 6' #14/3 cord w/L5-15 plug	**96.84**	ea	2	B	2.75	5	1	
49041	**6006-2**	110	6106 w/2 L5-15 receptacles	**69.41**	ea	2	B	1.75	5	1	
56208	**6006-F**	108	Same as 6006 w/feed-thru	**38.94**	ea	2	B	0.9	10	1	
56210	**6010**	108	For 2 single receptacles, (1.572 dia. Hole)	**27.13**	ea	2	B	0.7	10	1	
56212	**6010-F**	108	Same as 6010 w/feed-thru	**36.51**	ea	2	B	0.9	10	1	
56213	**6011**	108	For 2 single receptacles, (1.572 dia. Hole) 4-5/32 DP	**29.57**	ea	2	B	1	10	1	
49050	**6011-123A3**	110	6111 w/2 L5-20, 25' #12/3 cord w/L5-20 plug	**131.97**	ea	2	B	7.5	5	1	
49053	**6011-123A4**	110	6111 w/2 L6-20, 25' #12/3 cord w/L6-20 plug	**131.97**	ea	2	B	7.5	5	1	
49056	**6011-123A5**	110	6111 w/2 L7-20, 25' #12/3 cord w/L7-20 plug	**141.82**	ea	2	B	7.5	5	1	
49059	**6011-123A9**	110	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking, 25' #12/3 cord	**150.49**	ea	2	B	7.75	5	1	
49051	**6011-123B3**	110	6111 w/2 L5-20, 50' #12/3 cord w/L5-20 plug	**168.58**	ea	2	B	12.75	5	1	
49054	**6011-123B4**	110	6111 w/2 L6-20, 50' #12/3 cord w/L6-20 plug	**168.58**	ea	2	B	12.75	5	1	
49057	**6011-123B5**	110	6111 w/2 L7-20, 50' #12/3 cord w/L7-20 plug	**178.42**	ea	2	B	12.75	5	1	
49060	**6011-123B9**	110	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking, 50' #12/3 cord	**187.06**	ea	2	B	13	5	1	
49049	**6011-123C3**	110	6111 w/2 L5-20, 6' #12/3 cord w/L5-20 plug	**96.84**	ea	2	B	3.5	5	1	
49052	**6011-123C4**	110	6111 w/2 L6-20, 6' #12/3 cord w/L6-20 plug	**96.84**	ea	2	B	3.5	5	1	
49055	**6011-123C5**	110	6111 w/2 L7-20, 6' #12/3 cord w/L7-20 plug	**106.55**	ea	2	B	3.5	5	1	
49058	**6011-123C9**	110	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking, 6' #12/3 cord	**115.36**	ea	2	B	3.75	5	1	
49042	**6011-3**	110	6111 w/2 L5-20 receptacles	**69.41**	ea	2	B	2	5	1	
49043	**6011-4**	110	6111 w/2 L6-20 receptacles	**69.41**	ea	2	B	2	5	1	
49044	**6011-5**	110	6111 w/2 L7-20 recptacles	**79.79**	ea	2	B	2	5	1	
49045	**6011-9**	110	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking receptacles	**87.65**	ea	2	B	2.25	5	1	
56214	**6011-F**	108	Same as 6011 w/feed-thru	**38.94**	ea	2	B	1.1	10	1	
59021	**60201**	110	6000 box w/ (2) L5-15 recepts, 1' 14/3 cord & plug	**100.91**	ea	2	B	3.33	6	1	
59025	**60225**	110	6000 box w/ (2) L5-15 recepts, 25' 14/3 cord & plug	**133.59**	ea	2	B	7.33	6	1	
59030	**60250**	110	6000 box w/ (2) L5-15 recepts, 50' 14/3 cord & plug	**167.60**	ea	2	B	10	6	1	
56229	**6029**	109	6000 Box only extra depth 4-5/32"	**27.76**	ea	2	C	0.8	10	1	S

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
56228	**6029-F**	109	Same as 6029 w/feed-thru	**38.17**	ea	2	C	0.9	10	1	
56230	**6030**	109	6000 Box only	**25.13**	ea	2	C	0.8	10	1	S
56227	**6030-F**	109	Same as 6030 w/feed-thru	**35.56**	ea	2	C	0.9	10	1	
56231	**6031**	109	Cvrplate only for duplex recepts, non weather-resist	**2.21**	ea	2	C	0.1	10	1	S
56232	**6032**	109	Cvrplate only for single recept (1.390 dia hole) non wtr-res.	**2.57**	ea	2	C	0.1	10	1	S
56233	**6033**	109	Cvrplate only for single recept (1.572 dia. Hole), non wtr-res.	**2.57**	ea	2	C	0.1	10	1	S
56234	**6034**	109	Blank coverplate only	**2.57**	ea	2	C	0.1	10	1	S
56235	**6035**	109	GFCI Coverplate weather-resistant	**4.14**	ea	2	C	0.1	10	1	S
82111	**6050-105F8**	116	3-phase alt. wired streamer, 30' #12/5 SO	**442.86**	ea	2	B		1	1	
82112	**6050-105G8**	116	3-phase alt. wired streamer, 60' #12/5 SO	**614.29**	ea	2	B		1	1	
82109	**6050-125F8**	116	3-phase alt. wired streamer, 30' #12/5 SO	**342.86**	ea	2	B		1	1	
82110	**6050-125G8**	116	3-phase alt. wired streamer, 60' #12/5 SO	**511.43**	ea	2	B		1	1	
56240	**6100**	112	Port outlet box, WP for 2 duplex recepts	**60.67**	ea	2	B	1	10	1	S
59041	**61001**	114	6100 box w/ (2) 5-15 recepts, 1' 14/3 cord & plug	**113.94**	ea	2	B	4	6	1	
56241	**6100-F**	112	Same as 6100 w/feed-thru	**70.10**	ea	2	B	1.2	10	1	
56242	**6102**	112	Port outlet box, WP for 2 duplex recepts 4-5/32 DP	**63.11**	ea	2	B	1.4	10	1	S
59045	**61025**	114	6100 box w/ (2) 5-15 recepts, 25' 14/3 cord & plug	**146.61**	ea	2	B	7.67	6	1	
56243	**6102-F**	112	Same as 6102 w/feed-thru	**72.54**	ea	2	B	1.4	10	1	
81980	**6103-100**	227	Cbl reel, 100' #10/3 SO	**2331.43**	ea	2	C	163	1	1	N
82001	**6103-70**	227	Cbl reel, 70' #10/3 SO	**1852.86**	ea	2	C	131.6	1	1	N
81972	**6103-80**	227	Cbl reel, 80' #10/3 SO	**2191.43**	ea	2	C	134.4	1	1	N
82010	**6103-90**	227	Cbl reel, 90' #10/3 SO	**2217.14**	ea	2	C	137.2	1	1	N
81973	**6104-100**	227	Cbl reel, 100' #10/4 SO	**2590.00**	ea	2	C	170	1	1	N
82014	**6104-70**	227	Cbl reel, 70' #10/4 SO	**2064.29**	ea	2	C	136.5	1	1	N
81978	**6104-80**	227	Cbl reel, 80' #10/4 SO	**2434.29**	ea	2	C	140	1	1	N
81994	**6104-90**	227	Cbl reel, 90' #10/4 SO	**2462.86**	ea	2	C	143.5	1	1	N
49031	**6105**	112	Box w/2 single recept. flip seal cvr plates (1.390 dia)	**51.07**	ea	2	B	0.665	10	1	
59050	**61050**	114	6100 box w/ (2) 5-15 recepts, 50' 14/3 cord & plug	**180.63**	ea	2	B	10.33	6	1	
49032	**6105-F**	112	Same as 6105 w/ feed through	**59.29**	ea	2	B	0.69	10	1	
49033	**6106**	112	Box, extra deep w/2 single recept. flip seal cvr plates (1.390 dia)	**52.86**	ea	2	B	0.779	10	1	
49047	**6106-143A2**	114	6106 w/2 L5-15, 25' #14/3 cord w/L5-15 plug	**155.26**	ea	2	B	6.75	5	1	
49048	**6106-143B2**	114	6106 w/2 L5-15, 50' #14/3 cord w/L5-15 plug	**198.33**	ea	2	B	12	5	1	
49046	**6106-143C2**	114	6106 w/2 L5-15, 6' #14/3 cord w/L5-15 plug	**113.93**	ea	2	B	2.75	5	1	
49041	**6106-2**	114	6106 w/2 L5-15 receptacles	**81.66**	ea	2	B	1.75	5	1	
49034	**6106-F**	112	Same as 6106 w/ feed through	**62.50**	ea	2	B	0.804	10	1	
49035	**6110**	112	Box w/2 single recept. flip seal cvr plate (1.572 dia)	**51.57**	ea	2	B	0.676	10	1	
49036	**6110-F**	112	Same as 6110-F w/ feed through	**57.86**	ea	2	B	0.701	10	1	
49037	**6111**	112	Box, extra deep, w/ 2 single recept. flip seal cvr plates (1.572 dia)	**53.00**	ea	2	B	0.79	10	1	
49050	**6111-123A3**	114	6111 w/2 L5-20, 25' #12/3 cord w/L5-20 plug	**155.26**	ea	2	B	7.5	5	1	
49053	**6111-123A4**	114	6111 w/2 L6-20, 25' #12/3 cord w/L6-20 plug	**155.26**	ea	2	B	7.5	5	1	
49056	**6111-123A5**	114	6111 w/2 L7-20, 25' #12/3 cord w/L7-20 plug	**166.85**	ea	2	B	7.5	5	1	
49059	**6111-123A9**	114	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking, 25' #12/3 cord	**177.04**	ea	2	B	7.75	5	1	
49051	**6111-123B3**	114	6111 w/2 L5-20, 50' #12/3 cord w/L5-20 plug	**198.33**	ea	2	B	12.75	5	1	
49054	**6111-123B4**	114	6111 w/2 L6-20, 50' #12/3 cord w/L6-20 plug	**198.33**	ea	2	B	12.75	5	1	
49057	**6111-123B5**	114	6111 w/2 L7-20, 50' #12/3 cord w/L7-20 plug	**209.91**	ea	2	B	12.75	5	1	
49060	**6111-123B9**	114	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking, 50' #12/3 cord	**220.07**	ea	2	B	13	5	1	
49049	**6111-123C3**	114	6111 w/2 L5-20, 6' #12/3 cord w/L5-20 plug	**113.93**	ea	2	B	3.5	5	1	
49052	**6111-123C4**	114	6111 w/2 L6-20, 6' #12/3 cord w/L6-20 plug	**113.93**	ea	2	B	3.5	5	1	
49055	**6111-123C5**	114	6111 w/2 L7-20, 6' #12/3 cord w/L7-20 plug	**125.36**	ea	2	B	3.5	5	1	
49058	**6111-123C9**	114	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking, 6' #12/3 cord	**135.71**	ea	2	B	3.75	5	1	
49042	**6111-3**	114	6111 w/2 L5-20 receptacles	**81.66**	ea	2	B	2	5	1	
49043	**6111-4**	114	6111 w/2 L6-20 receptacles	**81.66**	ea	2	B	2	5	1	
49044	**6111-5**	114	6111 w/2 L7-20 recptacles	**93.87**	ea	2	B	2	5	1	
49045	**6111-9**	114	6111 w/2 Non-NEMA 2P, 3W 20A 250V locking receptacles	**103.12**	ea	2	B	2.25	5	1	
49038	**6111-F**	112	Same as 6111 w/ feed through	**62.50**	ea	2	B	0.815	10	1	
59061	**61201**	114	6100 box w/ (2) L5-15 recepts, 1' 14/3 cord & plug	**132.17**	ea	2	B	4	6	1	
59065	**61225**	114	6100 box w/ (2) L5-15 recepts, 25' 14/3 cord & plug	**164.26**	ea	2	B	7.67	6	1	
81990	**6123-100**	227	Cbl reel, 100' #12/3 SO	**2030.00**	ea	2	C	158	1	1	N
81981	**6123-70**	227	Cbl reel, 70' #12/3 SO	**1528.57**	ea	2	C	128.1	1	1	N
81976	**6123-80**	227	Cbl reel, 80' #12/3 SO	**1987.14**	ea	2	C	130.4	1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81984	**6123-90**	227	Cbl reel, 90' #12/3 SO	**1994.29**	ea	2	C	132.7	1	1	N
81982	**6124-100**	227	Cbl reel, 100' #12/4 SO	**2111.43**	ea	2	C	162	1	1	N
81977	**6124-70**	227	Cbl reel, 70' #12/4 SO	**2000.00**	ea	2	C	130.9	1	1	N
81975	**6124-80**	227	Cbl reel, 80' #12/4 SO	**2024.29**	ea	2	C	133.6	1	1	N
82007	**6124-90**	227	Cbl reel, 90' #12/4 SO	**2080.00**	ea	2	C	136.3	1	1	N
59070	**61250**	114	6100 box w/ (2) L5-15 recepts, 50' 14/3 cord & plug	**197.36**	ea	2	B	10.33	6	1	
56249	**6129**	113	6100 Box only extra depth 4-5/32"	**28.69**	ea	2	C	0.9	10	1	
56248	**6129-F**	113	Same as 6129 w/feed-thru	**38.07**	ea	2	C	1	10	1	
56250	**6130**	113	6100 Box only	**26.33**	ea	2	C	0.7	10	1	S
56247	**6130-F**	113	Same as 6130 w/feed-thru	**35.71**	ea	2	C	0.8	10	1	
56251	**6131**	113	Coverplate only for duplex receptacle	**18.43**	ea	2	C	0.4	10	1	S
49039	**6132**	113	Weather resist. cvr plate for single receptacle (1.390 dia)	**16.58**	ea	7	C	0.089	10	1	S
49040	**6133**	113	Weather resist. cvr plate for single receptacle (1.572 dia)	**16.58**	ea	7	C	0.089	10	1	S
82130	**6135**	113	Weather resist. cvr plate for GFCI recept.	**16.58**	ea	7	C	0.1	10	1	S
81991	**6143-100**	227	Cbl reel, 100' #14/3 SO	**1895.71**	ea	2	C	129	1	1	N
82011	**6143-125**	227	Cbl reel, 125' #14/3 SO	**1937.14**	ea	2	C	133.25	1	1	N
82013	**6143-70**	227	Cbl reel, 70' #14/3 SO	**1420.00**	ea	2	C	123.9	1	1	N
82000	**6143-80**	227	Cbl reel, 80' #14/3 SO	**1867.14**	ea	2	C	125.6	1	1	N
81995	**6143-90**	227	Cbl reel, 90' #14/3 SO	**1880.00**	ea	2	C	127.3	1	1	N
82004	**6144-100**	227	Cbl reel, 100' #14/4 SO	**2252.86**	ea	2	C	133	1	1	N
82003	**6144-70**	227	Cbl reel, 70' #14/4 SO	**1444.29**	ea	2	C	126.7	1	1	N
81988	**6144-80**	227	Cbl reel, 80' #14/4 SO	**1958.57**	ea	2	C	128.8	1	1	N
81985	**6144-90**	227	Cbl reel, 90' #14/4 SO	**2105.71**	ea	2	C	130.9	1	1	N
81987	**6163-100**	227	Cbl reel, 100' #16/3 SO	**1835.71**	ea	2	C	122	1	1	N
81997	**6163-125**	227	Cbl reel, 125' #16/3 SO	**1844.29**	ea	2	C	124.5	1	1	N
82016	**6163-150**	227	Cbl reel, 150' #16/3 SO	**1852.86**	ea	2	C	127	1	1	N
81999	**6163-70**	227	Cbl reel, 70' #16/3 SO	**1371.43**	ea	2	C	95	1	1	N
82015	**6163-80**	227	Cbl reel, 80' #16/3 SO	**1380.00**	ea	2	C	96	1	1	N
81986	**6163-90**	227	Cbl reel, 90' #16/3 SO	**1827.14**	ea	2	C	121	1	1	N
81992	**6164-100**	227	Cbl reel, 100' #16/4 SO	**1968.57**	ea	2	C	126	1	1	N
82005	**6164-125**	227	Cbl reel, 125' #16/4 SO	**1980.00**	ea	2	C	129.5	1	1	N
81998	**6164-70**	227	Cbl reel, 70' #16/4 SO	**1515.71**	ea	2	C	97.8	1	1	N
81993	**6164-80**	227	Cbl reel, 80' #16/4 SO	**1527.14**	ea	2	C	99.2	1	1	N
81989	**6164-90**	227	Cbl reel, 90' #16/4 SO	**1957.14**	ea	2	C	124.6	1	1	N
82124	**6200FD**	118	Port. FD Box, use with PWDX Series duplex Cvr plates	**27.07**	ea	2	B		1	1	
82125	**6200FD-F**	118	Port. FD Box, use with PWDX Series duplex Cvr plates, feed-thru	**30.43**	ea	2	B		1	1	
82122	**6200FS**	118	Port. FS Box, use with PWDX Series duplex Cvr plates	**23.57**	ea	2	B		1	1	
82123	**6200FS-F**	118	Port. FS Box, use with PWDX Series duplex Cvr plates, feed-thru	**27.07**	ea	2	B		1	1	
82128	**6201FD**	118	Port. FD Box, use with FS Series cvr plates	**27.08**	ea	2	B		1	1	
82129	**6201FD-F**	118	Port. FD Box, use with FS Series cvr plates, feed-thru	**30.43**	ea	2	B		1	1	
82126	**6201FS**	118	Port. FS Box, use with FS Series cvr plates	**23.57**	ea	2	B		1	1	
82127	**6201FS-F**	118	Port. FS Box, use with FS Series cvr plates, feed-thru	**27.07**	ea	2	B		1	1	
56000	**6369CR**		Recpt. 4-Wire, 50 Amp-125/250 Volt	**88.50**	ea	2	C	0.7	10	1	S
56001	**6370CR**		Recpt. 3 Wire, 50 Amp-125 Volt	**86.86**	ea	2	C	0.8	10	1	S
56002	**6372CR**		Inlet, 3-Wire, 50 Amp-125 Volt	**136.14**	ea	2	C	2	10	1	S
56003	**6374CR**		Inlet, 4-Wire, 50 Amp-125/250 Volt	**137.71**	ea	2	C	2	10	1	S
49170	**63BSO**	141	Cordset, 50A,125/250V 50' 6/3-8/1 SO	**198.03**	ea	2	B	39	1	1	
49173	**63BST**	141	Cordset, 50A,125/250V 50' 6/3-8/1 ST	**178.22**	ea	2	B	35	1	1	
49169	**63DSO**	141	Cordset, 50A,125/250V 100' 6/3-8/1 SO	**321.78**	ea	2	B	65	1	1	
49172	**63DST**	141	Cordset, 50A,125/250V 100' 6/3-8/1 ST	**279.69**	ea	2	B	70	1	1	
49248	**6425-RS**	33	Handlamp, 25' SJT w/ switch and reflector grd	**39.93**	ea	2	B		1	1	S
50013	**7-A**	28	Handle assy with socket & gnd clp	**23.29**	ea	2	C	0.67	30	6	S
50009	**7-S**	28	Handle, with switch	**24.79**	ea	2	C	0.53	30	6	
50014	**7-SA**	28	Handle assy with socket, sw & gnd clp	**32.50**	ea	2	C	0.7	30	6	
50008	**7**	28	Handlamp handle only, no switch	**16.71**	ea	2	C	0.5	30	6	S
56256	**7000**	122	Box only, (3) 5-15R, 15A, 120V	**53.57**	ea	2	B	1.8	10	1	S
56257	**7000-25-2**	122	No. 7000 box w/25' 12/3 SO and plug	**118.78**	ea	2	B	8.34	6	1	
56259	**7000-25-4**	122	No. 7000 box w/25' 14/3 SO and plug	**110.01**	ea	2	B	6.66	6	1	
59071	**7000-25-4GF**	123	No. 7000 box w/25' 14/3 SO, in-line GFCI and plug	**139.58**	ea	2	B	6.5	6	1	
56258	**7000-50-2**	122	No. 7000 box w/50' 12/3 SO and plug	**158.57**	ea	2	B	14.66	6	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
56260	**7000-50-4**	122	No. 7000 box w/50' 14/3 SO and plug	**141.07**	ea	2	B	11.31	6	1	S
59073	**7000-50-4GF**	123	No. 7000 box w/50' 14/3 SO, in-line GFCI and plug	**169.22**	ea	2	B	11.5	6	1	
56261	**7002**	122	Box only, (3) 5-20R, 20A, 125V	**57.22**	ea	2	B	1.8	10	1	
56262	**7002-25-2**	122	No. 7002 box w/25' No. 12/3 SO and plug	**122.49**	ea	2	B	8.34	6	1	
59075	**7002-25-2GF**	123	No. 7002 box w/25' 14/3 SO, in-line GFCI and plug	**151.70**	ea	2	B	7.5	6	1	
56264	**7002-25-4**	122	No. 7002 box w/25' No. 14/3 SO and plug	**113.71**	ea	2	B	6.66	6	1	
56263	**7002-50-2**	122	No. 7002 box w/50' No. 12/3 SO and plug	**162.29**	ea	2	B	14.66	6	1	
59076	**7002-50-2GF**	123	No. 7002 box w/50' 14/3 SO, in-line GFCI and plug	**190.34**	ea	2	B	14.5	6	1	
56265	**7002-50-4**	122	No. 7002 box w/50' No. 14/3 SO and plug	**144.24**	ea	2	B	11.31	6	1	
56266	**7004**	122	Box only, (3) 6-15R, 15A, 250V	**57.22**	ea	2	B	1.8	10	1	
56267	**7004-25-2**	122	No. 7004 box w/25' No. 12/3 SO and plug	**122.49**	ea	2	B	8.34	6	1	
56269	**7004-25-4**	122	No. 7004 box w/25' No. 14/3 SO and plug	**113.71**	ea	2	B	6.66	6	1	
56268	**7004-50-2**	122	No. 7004 box w/50' No. 12/3 SO and plug	**162.29**	ea	2	B	14.66	6	1	
56270	**7004-50-4**	122	No. 7004 box w/50' No. 14/3 SO and plug	**144.24**	ea	2	B	11.31	6	1	
56271	**7006**	122	Box only, (3) 6-20R, 20A, 250V	**59.85**	ea	2	B	1.8	10	1	
56272	**7006-25-2**	122	No. 7006 box w/25' No. 12/3 SO and plug	**126.38**	ea	2	B	8.34	6	1	
56274	**7006-25-4**	122	No. 7006 box w/25' No. 14/3 SO and plug	**148.56**	ea	2	B	6.66	6	1	
56273	**7006-50-2**	122	No. 7006 box w/50' No. 12/3 SO and plug	**166.95**	ea	2	B	14.66	6	1	
56275	**7006-50-4**	122	No. 7006 box w/50' No. 14/3 SO and plug	**168.86**	ea	2	B	11.31	6	1	
56276	**7008**	122	Box only, (3) L5-15R, 15A, 125V	**59.85**	ea	2	B	1.8	10	1	
56277	**7008-25-2**	122	No. 7008 box w/25' No. 12/3 SO and plug	**126.38**	ea	2	B	8.34	6	1	
56279	**7008-25-4**	122	No. 7008 box w/25' No. 14/3 SO and plug	**148.56**	ea	2	B	6.66	6	1	
56278	**7008-50-2**	122	No. 7008 box w/50' No. 12/3 SO and plug	**166.95**	ea	2	B	14.66	6	1	
56280	**7008-50-4**	122	No. 7008 box w/50' No. 14/3 SO and plug	**168.86**	ea	2	B	11.31	6	1	
56281	**7010**	122	Box only, (3) L6-15R, 15A, 250V	**59.85**	ea	2	B	1.8	10	1	
56282	**7010-25-2**	122	No. 7010 box w/25' No. 12/3 SO and plug	**126.38**	ea	2	B	8.34	6	1	
56284	**7010-25-4**	122	No. 7010 box w/25' No. 14/3 SO and plug	**148.56**	ea	2	B	6.66	6	1	
56283	**7010-50-2**	122	No. 7010 box w/50' No. 12/3 SO and plug	**166.95**	ea	2	B	14.66	6	1	
56285	**7010-50-4**	122	No. 7010 box w/50' No. 14/3 SO and plug	**168.86**	ea	2	B	11.31	6	1	
52031	**702**	45	Guard for No. 70-NG	**36.72**	ea	5	C	1	12	1	S
56286	**7020**	122	Box only, (3) L5-20R, 20A, 125V	**78.50**	ea	2	B	2	10	1	
56287	**7020-25-2**	122	No. 7020 box w/25' No. 12/3 SO and plug	**145.14**	ea	2	B	8.54	6	1	
56289	**7020-25-4**	122	No. 7020 box w/25' No. 14/3 SO and plug	**136.07**	ea	2	B	6.86	6	1	
56288	**7020-50-2**	122	No. 7020 box w/50' No. 12/3 SO and plug	**185.64**	ea	2	B	14.86	6	1	
56290	**7020-50-4**	122	No. 7020 box w/50' No. 14/3 SO and plug	**167.36**	ea	2	B	11.51	6	1	
56291	**7022**	122	Box only, (3) L6-20R, 20A, 250V	**78.50**	ea	2	B	2	10	1	
56292	**7022-25-2**	122	No. 7022 box w/25' No. 12/3 SO and plug	**145.14**	ea	2	B	8.54	6	1	
56294	**7022-25-4**	122	No. 7022 box w/25' No. 14/3 SO and plug	**136.07**	ea	2	B	6.86	6	1	
56293	**7022-50-2**	122	No. 7022 box w/50' No. 12/3 SO and plug	**185.64**	ea	2	B	14.86	6	1	
56295	**7022-50-4**	122	No. 7022 box w/50' No. 14/3 SO and plug	**167.36**	ea	2	B	11.51	6	1	
56296	**7024**	122	Box only (3) L7-20R, 20A, 277V	**78.50**	ea	2	B	2	10	1	
56297	**7024-25-2**	122	No. 7024 box w/25' No. 12/3 SO and plug	**145.14**	ea	2	B	8.54	6	1	
56299	**7024-25-4**	122	No. 7024 box w/25' No. 14/3 SO and plug	**136.07**	ea	2	B	6.86	6	1	
56298	**7024-50-2**	122	No. 7024 box w/50' No. 12/3 SO and plug	**185.64**	ea	2	B	14.86	6	1	
56300	**7024-50-4**	122	No. 7024 box w/50' No. 14/3 SO and plug	**167.36**	ea	2	B	11.51	6	1	
52032	**702-R**	45	Guard for No. 70-NGR	**45.02**	ea	5	C	1.17	12	1	
52034	**703**	45	QUIK-LATCHTM guard for No. 70-NGQL	**42.46**	ea	5	C	1	12	1	S
52035	**704**	45	Insulated guard for No. 70-NI	**52.12**	ea	5	C	1.25	12	1	
52036	**704-R**	45	Insulated reflector guard for No. 70-NIR	**69.89**	ea	5	C	1.67	12	1	
52039	**707**	45	Globe, glass, 100 watt	**20.15**	ea	5	C	1.08	12	1	
52040	**708**	45	Handle	**40.62**	ea	5	C	1.17	12	1	
52041	**709**	45	Socket (see 44-W)								
50483	**70-NG**	45	Handlamp, with ground	**99.79**	ea	2	B	3.75	12	1	S
56304	**70-NG25**	45	70-NG w/25 ft. cord and plug	**151.15**	ea	2	B	5.42	12	1	
59083	**70-NG25-GF**	45	70-NG, 25' #16/3 cable, 15A in-line GFCI	**185.16**	ea	2	B	5.5	12	1	
59084	**70-NG25-GP**	45	70-NG, 25' #16/3 cable, 15A plug GFCI	**175.51**	ea	2	B	5.5	12	1	
56305	**70-NG50**	45	70-NG w/50 ft. cord and plug	**175.86**	ea	2	B	7.5	12	1	
59085	**70-NG50-GF**	45	70-NG, 50' #16/3 cable, 15A in-line GFCI	**208.92**	ea	2	B	7.5	12	1	
59086	**70-NG50-GP**	45	70-NG, 50' #16/3 cable, 15A plug GFCI	**199.27**	ea	2	B	7.5	12	1	
50488	**70-NGQL**	45	Handlamp, w/gnd & QUIK-LATCH	**111.43**	ea	2	B	3.92	12	1	S

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Effective Date: June 15, 2000

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Suggested Resale Price Sheet No. 37											
56306	**70-NGQ25**	45	70-NGQL w/25 ft. cord and plug	**160.09**	ea	2	B	5.42	12	1	
59087	**70-NGQL25-GF**	45	70-NGQL, 25' #16/3 cable 15A in-line GFCI	**193.76**	ea	2	B	5.5	12	1	
59088	**70-NGQL25-GP**	45	70-NGQL, 25' #16/3, 15A plug GFCI	**184.11**	ea	2	B	5.5	12	1	
56307	**70-NGQL50**	45	70-NGQL w/50 ft. cord and plug	**183.83**	ea	2	B	7.5	12	1	S
59089	**70-NGQL50-GF**	45	70-NGQL, 50' #16/3 cable 15A in-line GFCI	**217.52**	ea	2	B	7.5	12	1	
59090	**70-NGQL50-GP**	45	70-NGQL, 50' #16/3, 15A plug GFCI	**207.87**	ea	2	B	7.5	12	1	
50484	**70-NGR**	45	Handlamp, w/ground and reflector	**106.43**	ea	2	B	3.92	12	1	
50485	**70-NI**	45	Handlamp, w/insulated guard	**112.81**	ea	2	B	3.92	12	1	
50486	**70-NIR**	45	Handlamp, w/insulated reflector guard	**128.88**	ea	2	B	4.08	12	1	
52050	**710**	28	Grounding Clip for No. 7 and No. 9	**4.21**	ea	2	C	0.07	30	6	
81979	**7103-125**	227	Cbl reel, 125' #10/3 SO	**2512.86**	ea	2	C	183	1	1	N
81974	**7104-125**	227	Cbl reel, 125' #10/4 SO	**2748.57**	ea	2	C	191.75	1	1	N
81983	**7123-125**	227	Cbl reel, 125' #12/3 SO	**2062.86**	ea	2	C	176.75	1	1	N
82009	**7123-150**	227	Cbl reel, 150' #12/3 SO	**2158.57**	ea	2	C	182.5	1	1	N
82006	**7124-125**	227	Cbl reel, 125' #12/4 SO	**2375.71**	ea	2	C	181.75	1	1	N
82012	**7143-150**	227	Cbl reel, 150' #14/3 SO	**1997.14**	ea	2	C	173.5	1	1	N
82008	**7144-125**	227	Cbl reel, 125' #14/4 SO	**2261.43**	ea	2	C	174.25	1	1	N
82002	**7144-150**	227	Cbl reel, 150' #14/4 SO	**2287.14**	ea	2	C	179.5	1	1	N
81996	**7164-150**	227	Cbl reel, 150' #16/4 SO	**2122.86**	ea	2	C	169	1	1	N
53201	**718**	28	#7 hand, 200/300W clsd end grd, no refl no swtch	**36.08**	ea	2	B	1.8	30	6	
53203	**718-I**	28	Same as 718, w/ insltd grd	**47.05**	ea	2	B	1.83	30	6	
53206	**718-R**	28	#7 hand, 200/300W grd, reflector	**39.47**	ea	2	B	1.83	30	6	
53209	**718-RI**	28	Same as 718-R, w/insltd grd	**52.06**	ea	2	B	1.87	30	6	
53207	**718-RS**	28	Same as 718-R, w/ swtch	**44.26**	ea	2	B	1.87	30	6	
53208	**718-RSI**	28	Same as 718-RS, w/insltd grd	**56.85**	ea	2	B	2	30	6	
53202	**718-S**	28	Same as 718 w/ swtch	**40.87**	ea	2	B	1.83	30	6	
53212	**718-SI**	28	Same as 718-S, w/insltd grd	**51.84**	ea	2	B	1.9	30	6	
53401	**719**	28	#7 hand, 200/300W open-end grd no refl no swtch	**35.86**	ea	2	B	2.07	30	6	
53413	**719-I**	28	Same as 719, w/insltd grd	**46.76**	ea	2	B	2.1	30	6	
53406	**719-R**	28	Same as 719, w/ refl	**39.54**	ea	2	B	2.1	30	6	
53409	**719-RI**	28	Same as 719-R, w/insltd grd	**51.03**	ea	2	B	2.1	30	6	
53407	**719-RS**	28	#7 hand, 200/300W open-end grd, refl & swtch	**44.33**	ea	2	B	2.1	30	6	
53408	**719-RSI**	28	Same as 719-RS, w/insltd grd	**55.82**	ea	2	B	2.2	30	6	
53402	**719-S**	28	Same as 719, w/ swtch	**40.65**	ea	2	B	2.1	30	6	
53412	**719-SI**	28	Same as 719-S, w/insltd grd	**51.55**	ea	2	B	2.17	30	6	
54952	**720B7S**	192	IEC309 Inlt, Str 6P7W, 20A/480V, SP	**141.77**	ea	2	C		10	1	N
54953	**720B9S**	192	IEC309 Inlt, Str 6P7W, 20A/250V, SP	**141.77**	ea	2	C		10	1	N
54955	**720C7E**	193	IEC309 Conn 6P7W, 20A/480V, SP, CS	**120.51**	ea	2	C		10	1	N
54956	**720C7S**	192	IEC309 Conn 6P7W, 20A/480V, SP, CG	**144.86**	ea	2	C		10	1	N
54957	**720C9E**	193	IEC309 Conn 6P7W, 20A/250V, SP, CS	**120.51**	ea	2	C		10	1	N
54958	**720C9S**	192	IEC309 Conn 6P7W, 20A/250V, SP, CG	**144.86**	ea	2	C		10	1	N
54960	**720P7E**	193	IEC309 Plug 6P7W, 20A/480V, SP, CS	**97.71**	ea	2	C		10	1	N
54961	**720P7S**	192	IEC309 Plug 6P7W, 20A/480V, SP, CG	**115.89**	ea	2	C		10	1	N
54962	**720P9E**	193	IEC309 Plug 6P7W, 20A/250V, SP, CS	**97.71**	ea	2	C		10	1	N
54963	**720P9S**	192	IEC309 Plug 6P7W, 20A/250V, SP, CG	**115.89**	ea	2	C		10	1	N
54965	**720R7S**	192	IEC309 Rcpt, Str 6P7W, 20A/480V, SP	**121.20**	ea	2	C		10	1	N
54966	**720R9S**	192	IEC309 Rcpt, Str 6P7W, 20A/250V, SP	**121.20**	ea	2	C		10	1	N
54968	**730B7S**	192	IEC309 Inlt, Str 6P7W, 30A/480V, SP	**101.66**	ea	2	C		10	1	N
54969	**730B9S**	192	IEC309 Inlt, Str 6P7W, 30A/250V, SP	**101.66**	ea	2	C		10	1	N
54971	**730C7E**	193	IEC309 Conn 6P7W, 30A/480V, SP, CS	**146.23**	ea	2	C		10	1	N
54973	**730C7S**	192	IEC309 Conn 6P7W, 30A/480V, SP, CG	**180.00**	ea	2	C		10	1	N
54975	**730C9E**	193	IEC309 Conn 6P7W, 30A/250V, SP, CS	**146.23**	ea	2	C		10	1	N
54977	**730C9S**	192	IEC309 Conn 6P7W, 30A/250V, SP, CG	**180.00**	ea	2	C		10	1	N
54984	**730P7E**	193	IEC309 Plug 6P7W, 30A/480V, SP, CS	**123.26**	ea	2	C		10	1	N
54989	**730P7S**	192	IEC309 Plug 6P7W, 30A/480V, SP, CG	**151.71**	ea	2	C		10	1	N
54991	**730P9E**	193	IEC309 Plug 6P7W, 30A/250V, SP, CS	**123.26**	ea	2	C		10	1	N
54994	**730P9S**	192	IEC309 Plug 6P7W, 30A/250V, SP, CG	**151.71**	ea	2	C		10	1	N
54981	**730R7S**	192	IEC309 Rcpt, Str 6P7W, 30A/480V, SP	**155.31**	ea	2	C		10	1	N
54982	**730R9S**	192	IEC309 Rcpt, Str 6P7W, 30A/250V, SP	**155.31**	ea	2	C		10	1	N
56400	**7425**	28	7 hand, 100W clsd-end grd, no refl, 25' #16/3 w/plug	**82.51**	ea	2	B	4.08	12	1	

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Suggested Resale Price Sheet No. 37											
59121	**7425-GF**	28	# 7 , 100W clsd-end grd, no refl, 25' #16/3 w/ in-line GFCI & plug	**122.33**	ea	2	B	4	12	1	
59122	**7425-GP**	28	# 7, 100W clsd-end grd, no refl, 25' #16/3 w/ plug GFCI	**112.68**	ea	2	B	4	12	1	
56401	**7425-R**	28	# 7, 100W clsd-end grd, w/ refl, 25' #16/3 w/plug	**84.48**	ea	2	B	4.25	12	1	
59123	**7425-RGF**	28	# 7, 100W clsd-end grd, refl, 25' #16/3 w/ in-line GFCI & plug	**124.30**	ea	2	B	4.25	12	1	
59124	**7425-RGP**	28	# 7, 100W clsd-end grd, refl, 25' #16/3 w/plug GFCI	**114.65**	ea	2	B	4.25	12	1	
56404	**7425-RS**	28	# 7 w/ swtch, 100W clsd-end grd, w/ refl, 25' #16/3 w/plug	**89.21**	ea	2	B	4.42	12	1	
56405	**7425-S**	28	# 7 w/ swtch, 100W clsd-end grd, no refl, 25' #16/3 w/plug	**87.24**	ea	2	B	4.17	12	1	
53601	**744**	28	# 7, 100W clsd end grd, no refl no swtch	**31.66**	ea	2	B	1.6	30	6	
53603	**744-I**	28	Same as 744, w/insltd grd	**41.16**	ea	2	B	1.67	30	6	
53606	**744-R**	28	# 7, 100W clsd end grd, reflector	**33.65**	ea	2	B	1.7	30	6	
53609	**744-RI**	28	Same as 744-R, w/insltd grd	**45.43**	ea	2	B	1.83	30	6	
53607	**744-RS**	28	# 7, 100W clsd end grd, refl & swtch	**38.44**	ea	2	B	1.77	30	6	
53608	**744-RSI**	28	Same as 744-RS, w/insltd grd	**50.22**	ea	2	B	1.83	30	6	
53602	**744-S**	28	Same as 744, w/ swtch	**36.45**	ea	2	B	1.67	30	6	
53612	**744-SI**	28	Same as 744-S, w/insltd grd	**45.95**	ea	2	B	1.77	30	6	
56402	**7450**	28	# 7 , 100W clsd-end grd, no refl, 50' #16/3 w/plug	**106.27**	ea	2	B	6.33	12	1	
59125	**7450-GF**	28	# 7, 100W clsd-end grd, no refl, 50' #16/3 w/ in-line GFCI & plug	**146.09**	ea	2	B	6	12	1	
59126	**7450-GP**	28	# 7, 100W clsd-end grd, no refl, 50' #16/3 w/ plug GFCI	**136.44**	ea	2	B	6	12	1	
56403	**7450-R**	28	# 7, 100W clsd-end grd, w/ refl, 50" #16/3 w/plug	**108.24**	ea	2	B	6.5	12	1	
59127	**7450-RGF**	28	# 7, 100W clsd-end grd, refl, 50' #16/3 w/ in-line GFCI & plug	**148.06**	ea	2	B	6	12	1	
59128	**7450-RGP**	28	# 7, 100W clsd-end grd, refl, 50' #16/3 w/plug GFCI	**138.41**	ea	2	B	6	12	1	
56406	**7450-RS**	28	# 7 w/ swtch, 100W clsd-end grd, w/ refl, 50" #16/3 w/plug	**112.97**	ea	2	B	6.75	12	1	
56407	**7450-S**	28	# 7 w/ swtch, 100W clsd-end grd, no refl, 50" #16/3 w/plug	**111.01**	ea	2	B	6.5	12	1	
53701	**747**	28	# 7, 100/150W open-end grd no refl no swtch	**33.65**	ea	2	B	1.67	30	6	
53703	**747-I**	28	Same as 747, w/insltd grd	**42.64**	ea	2	B	1.77	30	6	
53705	**747-R**	28	Same as 747, w/ refl	**37.19**	ea	2	B	1.5	30	6	
53708	**747-RI**	28	Same as 747-R, w/insltd grd	**47.94**	ea	2	B	1.67	30	6	
53706	**747-RS**	28	Same as 747-R, w/ swtch	**41.97**	ea	2	B	1.67	30	6	
53707	**747-RSI**	28	Same as 747-RS, w/insltd grd	**52.72**	ea	2	B	1.77	30	6	
53702	**747-S**	28	Same as 747, w/ swtch	**38.44**	ea	2	B	1.67	30	6	
53711	**747-SI**	28	Same as 747-S, w/insltd grd	**47.42**	ea	2	B	1.77	30	6	
53801	**750**	28	# 7 150PAR38/300WTYPE R, no refl no swtch	**33.14**	ea	2	B	1.37	30	6	
53803	**750-I**	28	Same as 750, w/insltd grd	**42.19**	ea	2	B	1.5	30	6	
53802	**750-S**	28	Same as 750, w/ swtch	**37.92**	ea	2	B	1.5	30	6	
53805	**750-SI**	28	Same as 750-S, w/insltd grd	**46.98**	ea	2	B	1.67	30	6	
55999	**7717**	93	Boot, Long for plug or conn	**17.21**	ea	2	C	0.4	10	1	S
55991	**7764-C**	93	3P4W Conn. NON-NEMA 50A-250V DC/600V	**57.86**	ea	2	C	0.6	10	1	S
55992	**7765-P**	93	3P4W Plug 50A-250V DC/600V	**46.57**	ea	2	C	0.6	10	1	S
56004	**7788CR**	93	Cover, Flip-Lid for receptacles	**39.14**	ea	2	C	0.6	10	1	S
50992	**79**	28	Switch for No. 7 and No. 9	**6.07**	ea	2	C	0.07	30	6	
82242	**7958**	93	Inlet, Non-NEMA, 3P4W, 50A/250VDC/600VAC	**59.93**	ea	2	C		1	1	
81223	**8MT2P2S03**	161	MIN, 2 pole mold t male/fem 3'	**30.72**	ea	2	C		1	1	N
81224	**8MT2S2S03**	161	MIN, 2 pole mold t fem/fem 3'	**30.72**	ea	2	C		1	1	N
81225	**8MT3P3S03**	161	MIN, 3 pole mold t male/fem 3'	**33.58**	ea	2	C		1	1	N
81226	**8MT3S3S03**	161	MIN, 3 pole mold t fem/fem 3'	**33.58**	ea	2	C		1	1	N
81227	**8MT4P4S03**	161	MIN, 4 pole mold t male/fem 3'	**43.58**	ea	2	C		1	1	N
81228	**8MT4S4S03**	161	MIN, 4 pole mold t fem/fem 3'	**43.58**	ea	2	C		1	1	N
81229	**8MT5P5S03**	161	MIN, 5 pole mold t male/fem 3'	**49.65**	ea	2	C		1	1	N
81230	**8MT5S5S03**	161	MIN, 5 pole mold t fem/fem 3'	**49.65**	ea	2	C		1	1	N
81231	**8MT6P6S03**	161	MIN, 6 pole mold t male/fem 3'	**54.86**	ea	2	C		1	1	N
81232	**8MT6S6S03**	161	MIN, 6 pole mold t fem/fem 3'	**54.86**	ea	2	C		1	1	N
81233	**8PT2P2S2S**	162	MIN, 2 pole parl t male/fem:fem	**33.58**	ea	2	C		1	1	N
81234	**8PT2S2S2S**	162	MIN, 2 pole parl t fem/fem:fem	**33.58**	ea	2	C		1	1	N
81235	**8PT3P3S3S**	162	MIN, 3 pole parl t male/fem:fem	**38.58**	ea	2	C		1	1	N
81236	**8PT3S3S3S**	162	MIN, 3 pole parl t fem/fem:fem	**38.58**	ea	2	C		1	1	N
81237	**8PT4P4S4S**	162	MIN, 4 pole parl t male/fem:fem	**49.58**	ea	2	C		1	1	N
81238	**8PT4S4S4S**	162	MIN, 4 pole parl t fem/fem:fem	**49.58**	ea	2	C		1	1	N
81239	**8PT5P5S5S**	162	MIN, 5 pole parl t male/fem:fem	**56.58**	ea	2	C		1	1	N
81240	**8PT5S5S5S**	162	MIN, 5 pole parl t fem/fem:fem	**56.58**	ea	2	C		1	1	N
81241	**8PT6P6S6S**	162	MIN, 6 pole parl t male/fem:fem	**63.58**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81242	**8PT6S6S6S**	162	MIN, 6 pole parl t fem/fem:fem	**63.58**	ea	2	C		1	1	N
81520	**8R10P**	156	MIN, 10 pole male recept	**21.69**	ea	2	C		1	1	N
81521	**8R10S**	156	MIN, 10 pole fem recept	**28.20**	ea	2	C		1	1	N
81522	**8R12P**	156	MIN, 12 pole male recept	**24.75**	ea	2	C		1	1	N
81523	**8R12S**	156	MIN, 12 pole fem recept	**32.49**	ea	2	C		1	1	N
80050	**8R2P**	152	MIN, 2 pole male recept	**8.22**	ea	2	C		10	1	N
81348	**8R2PD**	163	MIN, 2 pole male recept shld	**10.90**	ea	2	C		1	1	N
80051	**8R2S**	152	MIN, 2 pole fem recept	**11.46**	ea	2	C		10	1	N
80052	**8R3P**	152	MIN, 3 pole male recept	**9.50**	ea	2	C		10	1	N, S
81349	**8R3PD**	163	MIN, 3 pole male recept shld	**12.38**	ea	2	C		1	1	N
80053	**8R3S**	152	MIN, 3 pole fem recept	**12.86**	ea	2	C		10	1	N
80054	**8R4P**	152	MIN, 4 pole male recept	**10.79**	ea	2	C		10	1	N, S
81350	**8R4PD**	163	MIN, 4 pole male recept shld	**13.72**	ea	2	C		1	1	N
80055	**8R4S**	152	MIN, 4 pole fem recept	**14.70**	ea	2	C		10	1	N
80056	**8R5P**	152	MIN, 5 pole male recept	**11.65**	ea	2	C		10	1	N, S
81351	**8R5PD**	163	MIN, 5 pole male recept shld	**15.05**	ea	2	C		1	1	N
80057	**8R5S**	152	MIN, 5 pole fem recept	**14.70**	ea	2	C		10	1	N
80058	**8R6P**	152	MIN, 6 pole male recept	**13.26**	ea	2	C		10	1	N
81352	**8R6PD**	163	MIN, 6 pole male recept shld	**16.70**	ea	2	C		1	1	N
80059	**8R6S**	152	MIN, 6 pole fem recept	**15.80**	ea	2	C		10	1	N
81518	**8R9P**	156	MIN, 9 pole male recept	**20.15**	ea	2	C		1	1	N
81519	**8R9S**	156	MIN, 9 pole fem recept	**26.00**	ea	2	C		1	1	N
81243	**8Y2P2S2S01**	160	MIN, 2 pole y male/fem:fem 1'	**52.43**	ea	2	C		1	1	N
81244	**8Y2S2S2S01**	160	MIN, 2 pole y fem/fem:fem 1'	**52.43**	ea	2	C		1	1	N
81245	**8Y3P3S3S01**	160	MIN, 3 pole y male/fem:fem 1'	**59.15**	ea	2	C		1	1	N
81246	**8Y3S3S3S01**	160	MIN, 3 pole y fem/fem:fem 1'	**59.15**	ea	2	C		1	1	N
81247	**8Y4P4S4S01**	160	MIN, 4 pole y male/fem:fem 1'	**71.29**	ea	2	C		1	1	N
81248	**8Y4S4S4S01**	160	MIN, 4 pole y fem/fem:fem 1'	**71.29**	ea	2	C		1	1	N
81249	**8Y5P5S5S01**	160	MIN, 5 pole y male/fem:fem 1'	**80.22**	ea	2	C		1	1	N
81250	**8Y5S5S5S01**	160	MIN, 5 pole y fem/fem:fem 1'	**80.22**	ea	2	C		1	1	N
81251	**8Y6P6S6S01**	160	MIN, 6 pole y male/fem:fem 1'	**89.58**	ea	2	C		1	1	N
81252	**8Y6S6S6S01**	160	MIN, 6 pole y fem/fem:fem 1'	**89.58**	ea	2	C		1	1	N
53991	**801-25**	34	Maxi-Lite, 15 watt, 25 ft. cord	**53.43**	ea	2	B	3.4	10	1	S
53995	**802-14**	34	Mini-Lite, 8 watt, 14 ft. coiled cord	**91.36**	ea	2	B	3	10	1	S
81439	**810P03**	156	MIN, 10 pole male plug str. 3'	**34.58**	ea	2	C		1	1	N
81469	**810P03-90**	156	MIN, 10 pole male plug 90d 3'	**35.26**	ea	2	C		1	1	N
81440	**810P06**	156	MIN, 10 pole male plug str. 6'	**44.32**	ea	2	C		1	1	N
81470	**810P06-90**	156	MIN, 10 pole male plug 90d 6'	**44.55**	ea	2	C		1	1	N
81535	**810P10P03**	157	MIN, 10 pole male/male str. 3'	**56.09**	ea	2	C		1	1	N
81630	**810P10P03-09**	159	MIN, 10 pole str male/90d male 3'	**53.43**	ea	2	C		1	1	N
81565	**810P10P03-99**	157	MIN, 10 pole 90d male/90d male 3'	**57.69**	ea	2	C		1	1	N
81655	**810P10P03X**	159	MIN, 10 pole str male ext thd/str male ext thd 3'	**50.26**	ea	2	C		1	1	N
81536	**810P10P06**	157	MIN, 10 pole male/male str. 6'	**94.49**	ea	2	C		1	1	N
81631	**810P10P06-09**	159	MIN, 10 pole str male/90d male 6'	**62.78**	ea	2	C		1	1	N
81566	**810P10P06-99**	157	MIN, 10 pole 90d male/90d male 6'	**66.55**	ea	2	C		1	1	N
81656	**810P10P06X**	159	MIN, 10 pole str male ext thd/str male ext thd 6'	**60.06**	ea	2	C		1	1	N
81534	**810P10P12**	157	MIN, 10 pole male/male str. 12'	**84.95**	ea	2	C		1	1	N
81629	**810P10P12-09**	159	MIN, 10 pole str male/90d male 12'	**82.09**	ea	2	C		1	1	N
81564	**810P10P12-99**	157	MIN, 10 pole 90d male/90d male 12'	**85.86**	ea	2	C		1	1	N
81654	**810P10P12X**	159	MIN, 10 pole str male ext thd/str male ext thd 12'	**79.38**	ea	2	C		1	1	N
81537	**810P10P15**	157	MIN, 10 pole male/male str. 15'	**110.38**	ea	2	C		1	1	N
81632	**810P10P15-09**	159	MIN, 10 pole str male/90d male 15'	**91.63**	ea	2	C		1	1	N
81567	**810P10P15-99**	157	MIN, 10 pole 90d male/90d male 15'	**95.40**	ea	2	C		1	1	N
81657	**810P10P15X**	159	MIN, 10 pole str male ext thd/str male ext thd 15'	**88.92**	ea	2	C		1	1	N
81538	**810P10P20**	157	MIN, 10 pole male/male str. 20'	**110.38**	ea	2	C		1	1	N
81633	**810P10P20-09**	159	MIN, 10 pole str male/90d male 20'	**107.52**	ea	2	C		1	1	N
81568	**810P10P20-99**	157	MIN, 10 pole 90d male/90d male 20'	**111.29**	ea	2	C		1	1	N
81658	**810P10P20X**	159	MIN, 10 pole str male ext thd/str male ext thd 20'	**104.80**	ea	2	C		1	1	N
81494	**810P10S03**	156	MIN, 10 pole male/fem str. 3'	**61.32**	ea	2	C		1	1	N
81600	**810P10S03-09**	158	MIN, 10 pole str male/90d fem 3'	**61.49**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81509	**810P10S03-99**	157	MIN, 10 pole 90d male/90d fem 3'	**61.32**	ea	2	C		1	1	N
81595	**810P10S03X**	158	MIN, 10 pole str male ext thd/str fem ext thd str. 3'	**55.26**	ea	2	C		1	1	N
81495	**810P10S06**	156	MIN, 10 pole male/fem str. 6'	**71.32**	ea	2	C		1	1	N
81601	**810P10S06-09**	158	MIN, 10 pole str male/90d fem 6'	**71.03**	ea	2	C		1	1	N
81510	**810P10S06-99**	157	MIN, 10 pole 90d male/90d fem 6'	**71.32**	ea	2	C		1	1	N
81596	**810P10S06X**	158	MIN, 10 pole str male ext thd/str fem ext thd str. 6'	**65.26**	ea	2	C		1	1	N
81493	**810P10S12**	156	MIN, 10 pole male/fem str. 12'	**90.63**	ea	2	C		1	1	N
81599	**810P10S12-09**	158	MIN, 10 pole str male/90d fem 12'	**90.38**	ea	2	C		1	1	N
81508	**810P10S12-99**	157	MIN, 10 pole 90d male/90d fem 12'	**90.63**	ea	2	C		1	1	N
81594	**810P10S12X**	158	MIN, 10 pole str male ext thd/str fem ext thd str. 12'	**84.58**	ea	2	C		1	1	N
81496	**810P10S15**	156	MIN, 10 pole male/fem str. 15'	**100.16**	ea	2	C		1	1	N
81602	**810P10S15-09**	158	MIN, 10 pole str male/90d fem 15'	**99.92**	ea	2	C		1	1	N
81511	**810P10S15-99**	157	MIN, 10 pole 90d male/90d fem 15'	**100.16**	ea	2	C		1	1	N
81597	**810P10S15X**	158	MIN, 10 pole str male ext thd/str fem ext thd str. 15'	**94.10**	ea	2	C		1	1	N
81497	**810P10S20**	156	MIN, 10 pole male/fem str. 20'	**116.09**	ea	2	C		1	1	N
81603	**810P10S20-09**	158	MIN, 10 pole str male/90d fem 20'	**115.80**	ea	2	C		1	1	N
81512	**810P10S20-99**	157	MIN, 10 pole 90d male/90d fem 20'	**116.09**	ea	2	C		1	1	N
81598	**810P10S20X**	158	MIN, 10 pole str male ext thd/str fem ext thd str. 20'	**110.03**	ea	2	C		1	1	N
81438	**810P12**	156	MIN, 10 pole male plug str. 12'	**63.63**	ea	2	C		1	1	N
81468	**810P12-90**	156	MIN, 10 pole male plug 90d 12'	**63.86**	ea	2	C		1	1	N
81441	**810P15**	156	MIN, 10 pole male plug str. 15'	**73.19**	ea	2	C		1	1	N
81471	**810P15-90**	156	MIN, 10 pole male plug 90d 15'	**73.38**	ea	2	C		1	1	N
81442	**810P20**	156	MIN, 10 pole male plug str. 20'	**89.06**	ea	2	C		1	1	N
81472	**810P20-90**	156	MIN, 10 pole male plug 90d. 20'	**89.30**	ea	2	C		1	1	N
81704	**810PX10S03**	156	MIN, 10 pole extension set cable ass'y. 3'	**61.32**	ea	2	C		1	1	N
81705	**810PX10S06**	156	MIN, 10 pole extension set cable ass'y. 6'	**71.32**	ea	2	C		1	1	N
81706	**810PX10S12**	156	MIN, 10 pole extension set cable ass'y. 12'	**90.63**	ea	2	C		1	1	N
81707	**810PX10S15**	156	MIN, 10 pole extension set cable ass'y. 15'	**100.15**	ea	2	C		1	1	N
81708	**810PX10S20**	156	MIN, 10 pole extension set cable ass'y. 20'	**116.08**	ea	2	C		1	1	N
81444	**810S03**	156	MIN, 10 pole fem str. 3'	**40.03**	ea	2	C		1	1	N
81474	**810S03-90**	156	MIN, 10 pole fem plug 90d 3'	**40.26**	ea	2	C		1	1	N
81445	**810S06**	156	MIN, 10 pole fem str. 6'	**55.23**	ea	2	C		1	1	N
81475	**810S06-90**	156	MIN, 10 pole fem plug 90d 6'	**50.00**	ea	2	C		1	1	N
81625	**810S10P03-09**	159	MIN, 10 pole str fem/90d male 3'	**61.49**	ea	2	C		1	1	N
81626	**810S10P06-09**	159	MIN, 10 pole str fem/90d male 6'	**71.03**	ea	2	C		1	1	N
81624	**810S10P12-09**	159	MIN, 10 pole str fem/90d male 12'	**90.38**	ea	2	C		1	1	N
81627	**810S10P15-09**	159	MIN, 10 pole str fem/90d male 15'	**99.92**	ea	2	C		1	1	N
81628	**810S10P20-09**	159	MIN, 10 pole str fem/90d male 20'	**115.80**	ea	2	C		1	1	N
81540	**810S10S03**	157	MIN, 10 pole str fem/str fem 3'	**67.98**	ea	2	C		1	1	N
81660	**810S10S03-09**	159	MIN, 10 pole str fem/90d fem 3'	**65.06**	ea	2	C		1	1	N
81570	**810S10S03-99**	157	MIN, 10 pole 90d fem/90d fem 3'	**69.32**	ea	2	C		1	1	N
81541	**810S10S06**	157	MIN, 10 pole str fem/str fem 6'	**77.98**	ea	2	C		1	1	N
81661	**810S10S06-09**	159	MIN, 10 pole str fem/90d fem 6'	**74.60**	ea	2	C		1	1	N
81571	**810S10S06-99**	157	MIN, 10 pole 90d fem/90d fem 6'	**78.40**	ea	2	C		1	1	N
81539	**810S10S12**	157	MIN, 10 pole str fem/str fem 12'	**97.29**	ea	2	C		1	1	N
81659	**810S10S12-09**	159	MIN, 10 pole str fem/90d fem 12'	**93.95**	ea	2	C		1	1	N
81569	**810S10S12-99**	157	MIN, 10 pole 90d fem/90d fem 12'	**97.72**	ea	2	C		1	1	N
81542	**810S10S15**	157	MIN, 10 pole str fem/str fem 15'	**106.83**	ea	2	C		1	1	N
81662	**810S10S15-09**	159	MIN, 10 pole str fem/90d fem 15'	**103.50**	ea	2	C		1	1	N
81572	**810S10S15-99**	157	MIN, 10 pole 90d fem/90d fem 15'	**107.28**	ea	2	C		1	1	N
81543	**810S10S20**	157	MIN, 10 pole str fem/str fem 20'	**122.72**	ea	2	C		1	1	N
81663	**810S10S20-09**	159	MIN, 10 pole str fem/90d fem 20'	**119.38**	ea	2	C		1	1	N
81573	**810S10S20-99**	157	MIN, 10 pole 90d fem/90d fem 20'	**123.16**	ea	2	C		1	1	N
81443	**810S12**	156	MIN, 10 pole fem str. 12'	**69.09**	ea	2	C		1	1	N
81473	**810S12-90**	156	MIN, 10 pole fem plug 90d 12'	**69.32**	ea	2	C		1	1	N
81446	**810S15**	156	MIN, 10 pole fem plug str. 15'	**78.66**	ea	2	C		1	1	N
81476	**810S15-90**	156	MIN, 10 pole fem plug 90d 15'	**78.85**	ea	2	C		1	1	N
81447	**810S20**	156	MIN, 10 pole fem plug str. 20'	**94.53**	ea	2	C		1	1	N
81477	**810S20-90**	156	MIN, 10 pole fem plug 90d. 20'	**94.73**	ea	2	C		1	1	N
81449	**812P03**	156	MIN, 12 pole male plug str. 3'	**39.23**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81479	**812P03-90**	156	MIN, 12 pole male plug 90d 3'	**40.00**	ea	2	C		1	1	N
81450	**812P06**	156	MIN, 12 pole male plug str. 6'	**51.00**	ea	2	C		1	1	N
81480	**812P06-90**	156	MIN, 12 pole male plug 90d 6'	**51.23**	ea	2	C		1	1	N
81448	**812P12**	156	MIN, 12 pole male plug str. 12'	**74.40**	ea	2	C		1	1	N
81478	**812P12-90**	156	MIN, 12 pole male plug 90d 12'	**74.63**	ea	2	C		1	1	N
81545	**812P12P03**	157	MIN, 12 pole male/male str. 3'	**63.06**	ea	2	C		1	1	N
81640	**812P12P03-09**	159	MIN, 12 pole str male/90d male 3'	**60.40**	ea	2	C		1	1	N
81575	**812P12P03-99**	157	MIN, 12 pole 90d male/90d male 3'	**64.78**	ea	2	C		1	1	N
81665	**812P12P03X**	159	MIN, 12 pole str male ext thd/str male ext thd 3'	**57.15**	ea	2	C		1	1	N
81546	**812P12P06**	157	MIN, 12 pole male/male str. 6'	**74.83**	ea	2	C		1	1	N
81641	**812P12P06-09**	159	MIN, 12 pole str male/90d male 6'	**71.98**	ea	2	C		1	1	N
81576	**812P12P06-99**	157	MIN, 12 pole 90d male/90d male 6'	**75.75**	ea	2	C		1	1	N
81666	**812P12P06X**	159	MIN, 12 pole str male ext thd/str male ext thd 6'	**69.26**	ea	2	C		1	1	N
81544	**812P12P12**	157	MIN, 12 pole male/male str. 12'	**98.26**	ea	2	C		1	1	N
81639	**812P12P12-09**	159	MIN, 12 pole str male/90d male 12'	**95.38**	ea	2	C		1	1	N
81574	**812P12P12-99**	157	MIN, 12 pole 90d male/90d male 12'	**99.15**	ea	2	C		1	1	N
81664	**812P12P12X**	159	MIN, 12 pole str male ext thd/str male ext thd 12'	**92.66**	ea	2	C		1	1	N
81547	**812P12P15**	157	MIN, 12 pole male/male str. 15'	**109.85**	ea	2	C		1	1	N
81642	**812P12P15-09**	159	MIN, 12 pole str male/90d male 15'	**106.93**	ea	2	C		1	1	N
81577	**812P12P15-99**	157	MIN, 12 pole 90d male/90d male 15'	**110.76**	ea	2	C		1	1	N
81667	**812P12P15X**	159	MIN, 12 pole str male ext thd/str male ext thd 15'	**104.28**	ea	2	C		1	1	N
81548	**812P12P20**	157	MIN, 12 pole male/male str. 20'	**129.12**	ea	2	C		1	1	N
81643	**812P12P20-09**	159	MIN, 12 pole str male/90d male 20'	**126.26**	ea	2	C		1	1	N
81578	**812P12P20-99**	157	MIN, 12 pole 90d male/90d male 20'	**130.03**	ea	2	C		1	1	N
81668	**812P12P20X**	159	MIN, 12 pole str male ext thd/str male ext thd 20'	**123.55**	ea	2	C		1	1	N
81499	**812P12S03**	156	MIN, 12 pole male/fem str. 3'	**69.75**	ea	2	C		1	1	N
81610	**812P12S03-09**	158	MIN, 12 pole str male/90d fem 3'	**70.03**	ea	2	C		1	1	N
81514	**812P12S03-99**	157	MIN, 12 pole 90d male/90d fem 3'	**69.75**	ea	2	C		1	1	N
81605	**812P12S03X**	158	MIN, 12 pole str male ext thd/str fem ext thd 3'	**63.69**	ea	2	C		1	1	N
81500	**812P12S06**	156	MIN, 12 pole male/fem str. 6'	**81.86**	ea	2	C		1	1	N
81611	**812P12S06-09**	158	MIN, 12 pole str male/90d fem 6'	**81.83**	ea	2	C		1	1	N
81515	**812P12S06-99**	157	MIN, 12 pole 90d male/90d fem 6'	**81.86**	ea	2	C		1	1	N
81606	**812P12S06X**	158	MIN, 12 pole str male ext thd/str fem ext thd 6'	**75.80**	ea	2	C		1	1	N
81498	**812P12S12**	156	MIN, 12 pole male/fem str. 12'	**104.66**	ea	2	C		1	1	N
81609	**812P12S12-09**	158	MIN, 12 pole str male/90d fem 12'	**105.00**	ea	2	C		1	1	N
81513	**812P12S12-99**	157	MIN, 12 pole 90d male/90d fem 12'	**105.26**	ea	2	C		1	1	N
81604	**812P12S12X**	158	MIN, 12 pole str male ext thd/str fem ext thd 12'	**99.20**	ea	2	C		1	1	N
81501	**812P12S15**	156	MIN, 12 pole male/fem str. 15'	**116.23**	ea	2	C		1	1	N
81612	**812P12S15-09**	158	MIN, 12 pole str male/90d fem 15'	**116.58**	ea	2	C		1	1	N
81516	**812P12S15-99**	157	MIN, 12 pole 90d male/90d fem 15'	**116.86**	ea	2	C		1	1	N
81607	**812P12S15X**	158	MIN, 12 pole str male ext thd/str fem ext thd 15'	**110.80**	ea	2	C		1	1	N
81502	**812P12S20**	156	MIN, 12 pole male/fem str. 20'	**135.56**	ea	2	C		1	1	N
81613	**812P12S20-09**	158	MIN, 12 pole str male/90d fem 20'	**135.89**	ea	2	C		1	1	N
81517	**812P12S20-99**	157	MIN, 12 pole 90d male/90d fem 20'	**136.13**	ea	2	C		1	1	N
81608	**812P12S20X**	158	MIN, 12 pole str male ext thd/str fem ext thd 20'	**130.09**	ea	2	C		1	1	N
81451	**812P15**	156	MIN, 12 pole male plug str. 15'	**86.02**	ea	2	C		1	1	N
81481	**812P15-90**	156	MIN, 12 pole male plug 90d 15'	**86.20**	ea	2	C		1	1	N
81452	**812P20**	156	MIN, 12 pole male plug str. 20'	**105.29**	ea	2	C		1	1	N
81482	**812P20-90**	156	MIN, 12 pole male plug 90d. 20'	**105.53**	ea	2	C		1	1	N
81709	**812PX12S03**	156	MIN, 12 pole ext set cable ass'y. 3'	**69.75**	ea	2	C		1	1	N
81710	**812PX12S06**	156	MIN, 12 pole ext set cable ass'y. 6'	**81.86**	ea	2	C		1	1	N
81711	**812PX12S12**	156	MIN, 12 pole ext set cable ass'y. 12'	**104.66**	ea	2	C		1	1	N
81712	**812PX12S15**	156	MIN, 12 pole ext set cable ass'y. 15'	**116.23**	ea	2	C		1	1	N
81713	**812PX12S20**	156	MIN, 12 pole ext set cable ass'y. 20'	**135.55**	ea	2	C		1	1	N
81454	**812S03**	156	MIN, 12 pole fem str. 3'	**45.92**	ea	2	C		1	1	N
81484	**812S03-90**	156	MIN, 12 pole fem plug 90d 3'	**46.15**	ea	2	C		1	1	N
81455	**812S06**	156	MIN, 12 pole fem str. 6'	**57.72**	ea	2	C		1	1	N
81485	**812S06-90**	156	MIN, 12 pole fem plug 90d 6'	**57.92**	ea	2	C		1	1	N
81453	**812S12**	156	MIN, 12 pole fem str. 12'	**81.12**	ea	2	C		1	1	N
81483	**812S12-90**	156	MIN, 12 pole fem plug 90d 12'	**81.35**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81635	**812S12P03-09**	159	MIN, 12 pole str fem/90d male 3'	**70.03**	ea	2	C		1	1	N
81636	**812S12P06-09**	159	MIN, 12 pole str fem/90d male 6'	**81.83**	ea	2	C		1	1	N
81634	**812S12P12-09**	159	MIN, 12 pole str fem/90d male 12'	**105.00**	ea	2	C		1	1	N
81637	**812S12P15-09**	159	MIN, 12 pole str fem/90d male 15'	**116.58**	ea	2	C		1	1	N
81638	**812S12P20-09**	159	MIN, 12 pole str fem/90d male 20'	**135.89**	ea	2	C		1	1	N
81550	**812S12S03**	157	MIN, 12 pole str fem/str fem 3'	**77.63**	ea	2	C		1	1	N
81670	**812S12S03-09**	159	MIN, 12 pole str fem/90d fem 3'	**74.86**	ea	2	C		1	1	N
81580	**812S12S03-99**	157	MIN, 12 pole 90d fem/90d fem 3'	**79.20**	ea	2	C		1	1	N
81551	**812S12S06**	157	MIN, 12 pole str fem/str fem 6'	**89.75**	ea	2	C		1	1	N
81671	**812S12S06-09**	159	MIN, 12 pole str fem/90d fem 6'	**86.40**	ea	2	C		1	1	N
81581	**812S12S06-99**	157	MIN, 12 pole 90d fem/90d fem 6'	**90.18**	ea	2	C		1	1	N
81549	**812S12S12**	157	MIN, 12 pole str fem/str fem 12'	**113.18**	ea	2	C		1	1	N
81669	**812S12S12-09**	159	MIN, 12 pole str fem/90d fem 12'	**109.80**	ea	2	C		1	1	N
81579	**812S12S12-99**	157	MIN, 12 pole 90d fem/90d fem 12'	**113.60**	ea	2	C		1	1	N
81552	**812S12S15**	157	MIN, 12 pole str fem/str fem 15'	**124.76**	ea	2	C		1	1	N
81672	**812S12S15-09**	159	MIN, 12 pole str fem/90d fem 15'	**121.42**	ea	2	C		1	1	N
81582	**812S12S15-99**	157	MIN, 12 pole 90d fem/90d fem 15'	**125.19**	ea	2	C		1	1	N
81553	**812S12S20**	157	MIN, 12 pole str fem/str fem 20'	**144.03**	ea	2	C		1	1	N
81673	**812S12S20-09**	159	MIN, 12 pole str fem/90d fem 20'	**140.69**	ea	2	C		1	1	N
81583	**812S12S20-99**	157	MIN, 12 pole 90d fem/90d fem 20'	**144.46**	ea	2	C		1	1	N
81456	**812S15**	156	MIN, 12 pole fem plug str. 15'	**92.70**	ea	2	C		1	1	N
81486	**812S15-90**	156	MIN, 12 pole fem plug 90d 15'	**92.95**	ea	2	C		1	1	N
81457	**812S20**	156	MIN, 12 pole fem plug str. 20'	**112.02**	ea	2	C		1	1	N
81487	**812S20-90**	156	MIN, 12 pole fem plug 90d. 20'	**112.22**	ea	2	C		1	1	N
82049	**8143-20**	229	Cbl reel, XP, 20' #14/3 SO	**2185.71**	ea	2	C		1	1	N
82033	**8143-20-XPF**	229	Cbl reel, XP, 20' #14/3 SO, 2500	**1340.00**	ea	2	C		1	1	N
82031	**8143-20-XPI**	229	Cbl reel, XP, 20' #14/3 SO, 2300	**1197.14**	ea	2	C		1	1	N
82043	**8143-40**	229	Cbl reel, XP, 40' #14/3 SO	**2282.54**	ea	2	C		1	1	N
82044	**8143-40-XPF**	229	Cbl reel, XP, 40' #14/3 SO, 2500	**1384.29**	ea	2	C		1	1	N
82036	**8143-40-XPI**	229	Cbl reel, XP, 40' #14/3 SO, 2300	**1241.43**	ea	2	C		1	1	N
82041	**8143-50**	229	Cbl reel, XP, 50' #14/3 SO	**2382.54**	ea	2	C		1	1	N
82047	**8143-50-XPF**	229	Cbl reel, XP, 50' #14/3 SO, 2500	**1427.14**	ea	2	C		1	1	N
82028	**8143-50-XPI**	229	Cbl reel, XP, 50' #14/3 SO, 2300	**1284.29**	ea	2	C		1	1	N
82046	**8144-20**	229	Cbl reel, XP, 20' #14/4 SO	**2407.27**	ea	2	C		1	1	N
82048	**8144-40**	229	Cbl reel, XP, 40' #14/4 SO	**2471.27**	ea	2	C	4.8	1	1	N
82042	**8144-50**	229	Cbl reel, XP, 50' #14/4 SO	**2538.25**	ea	2	C	4.25	1	1	N
55312	**815-25**	38	15 watt, 25 ft. cord	**114.29**	ea	2	B	6	10	1	
59092	**815-25-GP**	38	15 watt single tube, 25' cable, 15A plug GFCI	**135.36**	ea	2	B	5.5	10	1	
55313	**815-50**	38	15 watt, 50 ft. cord	**132.14**	ea	2	B		10	1	S
59093	**815-50-GP**	38	15 watt single tube, 50' cable, 15A plug GFCI	**150.54**	ea	2	B		10	1	
82040	**8163-20**	229	Cbl reel, XP, 20' #16/3 SO	**2173.02**	ea	2	C		1	1	N
82030	**8163-20-XPF**	229	Cbl reel, XP, 20' #16/3 SO, 2500	**1334.29**	ea	2	C		1	1	N
82035	**8163-20-XPI**	229	Cbl reel, XP, 20' #16/3 SO, 2300	**1191.43**	ea	2	C		1	1	N
82039	**8163-40**	229	Cbl reel, XP, 40' #16/3 SO	**2258.73**	ea	2	C		1	1	N
82034	**8163-40-XPF**	229	Cbl reel, XP, 40' #16/3 SO, 2500	**1372.86**	ea	2	C		1	1	N
82029	**8163-40-XPI**	229	Cbl reel, XP, 40' #16/3 SO, 2300	**1230.00**	ea	2	C		1	1	N
82050	**8163-50**	229	Cbl reel, XP, 50' #16/3 SO	**2268.25**	ea	2	C		1	1	N
82038	**8163-50-XPF**	229	Cbl reel, XP, 50' #16/3 SO, 2500	**1377.14**	ea	2	C		1	1	N
82032	**8163-50-XPI**	229	Cbl reel, XP, 50' #16/3 SO, 2300	**1234.29**	ea	2	C		1	1	N
82045	**8164-20**	229	Cbl reel, XP, 20' #16/4 SO	**2318.79**	ea	2	C		1	1	N
82051	**8164-40**	229	Cbl reel, XP, 40' #16/4 SO	**2416.73**	ea	2	C		1	1	N
82037	**8164-50**	229	Cbl reel, XP, 50' #16/4 SO	**2430.70**	ea	2	C		1	1	N
80136	**826CP**	165	Closure cap for 2, 3, 4, 5 & 6 pole plugs	**9.29**	ea	2	C		10	1	N
80138	**826CR**	165	Closure cap for 2, 3, 4, 5 & 6 pole recepts	**8.36**	ea	2	C		10	1	N
80140	**826TA**	165	Threaded adapter for 2, 3, 4, 5 & 6 pole	**2.50**	ea	2	C		10	1	N
80001	**82P03**	151	MIN, 2 pole male plug str. 3'	**14.49**	ea	2	C		1	1	N
80061	**82P03-90**	151	MIN, 2 pole male plug 90d. 3'	**14.90**	ea	2	C		1	1	N
81299	**82P03D**	163	MIN, 2 pole male plug str. shld 3'	**34.29**	ea	2	C		1	1	N
80143	**82P03X**	152	MIN, 2 pole male str. ext thrd 3'	**14.49**	ea	2	C		1	1	N
80002	**82P06**	151	MIN, 2 pole male plug str. 6'	**15.69**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37											
80062	**82P06-90**	151	MIN, 2 pole male plug 90d 6'	**16.10**	ea	2	C		1	1	N
81300	**82P06D**	163	MIN, 2 pole male plug str. shld 6'	**37.06**	ea	2	C		1	1	N
80144	**82P06X**	152	MIN, 2 pole male str. ext thrd 6'	**15.69**	ea	2	C		1	1	N
80000	**82P12**	151	MIN, 2 pole male plug str. 12'	**18.89**	ea	2	C		1	1	N
80060	**82P12-90**	151	MIN, 2 pole male plug 90d 12'	**19.30**	ea	2	C		1	1	N
81298	**82P12D**	163	MIN, 2 pole male plug str. shld 12'	**43.59**	ea	2	C		1	1	N
80142	**82P12X**	152	MIN, 2 pole male str. ext thrd 12'	**18.89**	ea	2	C		1	1	N
80003	**82P15**	151	MIN, 2 pole male plug str. 15'	**20.69**	ea	2	C		1	1	N
80063	**82P15-90**	151	MIN, 2 pole male plug 90d 15'	**21.09**	ea	2	C		1	1	N
81301	**82P15D**	163	MIN, 2 pole male plug str. shld 15'	**47.29**	ea	2	C		1	1	N
80145	**82P15X**	152	MIN, 2 pole male str. ext thrd 15'	**20.69**	ea	2	C		1	1	N
80004	**82P20**	151	MIN, 2 pole male plug str. 20'	**23.55**	ea	2	C		1	1	N
80064	**82P20-90**	151	MIN, 2 pole male plug 90d. 20'	**23.95**	ea	2	C		1	1	N
81302	**82P20D**	163	MIN, 2 pole male plug str. shld 20'	**54.15**	ea	2	C		1	1	N
80146	**82P20X**	152	MIN, 2 pole male str. ext thrd 20	**23.55**	ea	2	C		1	1	N
81174	**82P2P03**	153	MIN, 2 pole str male/str male 3'	**23.25**	ea	2	C		1	1	N
81074	**82P2P03-09**	155	MIN, 2 pole str male/90d male 3'	**25.58**	ea	2	C		1	1	N
80999	**82P2P03-99**	153	MIN, 2 pole 90d male/90d male 3'	**25.58**	ea	2	C		1	1	N
81354	**82P2P03D**	164	MIN, 2 pole male str/male str shld 3'	**63.96**	ea	2	C		1	1	N
80218	**82P2P03X**	155	MIN, 2 pole male/male str. 3'	**23.25**	ea	2	C		1	1	N
81175	**82P2P06**	153	MIN, 2 pole str male/str male 6'	**24.45**	ea	2	C		1	1	N
81075	**82P2P06-09**	155	MIN, 2 pole str male/90d male 6'	**26.86**	ea	2	C		1	1	N
81000	**82P2P06-99**	153	MIN, 2 pole 90d male/90d male 6'	**26.86**	ea	2	C		1	1	N
81355	**82P2P06D**	164	MIN, 2 pole male str/male str shld 6'	**66.73**	ea	2	C		1	1	N
80219	**82P2P06X**	155	MIN, 2 pole male/male str. 6'	**24.45**	ea	2	C		1	1	N
81173	**82P2P12**	153	MIN, 2 pole str male/str male 12'	**28.19**	ea	2	C		1	1	N
81073	**82P2P12-09**	155	MIN, 2 pole str male/90d male 12'	**30.18**	ea	2	C		1	1	N
80998	**82P2P12-99**	153	MIN, 2 pole 90d male/90d male 12'	**30.18**	ea	2	C		1	1	N
81353	**82P2P12D**	164	MIN, 2 pole male str/male str shld 12'	**73.25**	ea	2	C		1	1	N
80217	**82P2P12X**	155	MIN, 2 pole male/male str. 12'	**28.19**	ea	2	C		1	1	N
81176	**82P2P15**	153	MIN, 2 pole str male/str male 15'	**29.98**	ea	2	C		1	1	N
81076	**82P2P15-09**	155	MIN, 2 pole str male/90d male 15'	**32.15**	ea	2	C		1	1	N
81001	**82P2P15-99**	153	MIN, 2 pole 90d male/90d male 15'	**32.15**	ea	2	C		1	1	N
81356	**82P2P15D**	164	MIN, 2 pole male str/male str shld 15'	**78.43**	ea	2	C		1	1	N
80220	**82P2P15X**	155	MIN, 2 pole male/male str. 15'	**29.98**	ea	2	C		1	1	N
81177	**82P2P20**	153	MIN, 2 pole str male/str male 20'	**32.83**	ea	2	C		1	1	N
81077	**82P2P20-09**	155	MIN, 2 pole str male/90d male 20'	**35.36**	ea	2	C		1	1	N
81002	**82P2P20-99**	153	MIN, 2 pole 90d male/90d male 20'	**35.36**	ea	2	C		1	1	N
81357	**82P2P20D**	164	MIN, 2 pole male str/male str shld 20'	**84.50**	ea	2	C		1	1	N
80221	**82P2P20X**	155	MIN, 2 pole male/male str. 20	**32.83**	ea	2	C		1	1	N
80112	**82P2S03**	151	MIN, 2 pole str male/str fem 3'	**23.25**	ea	2	C		1	1	N
81079	**82P2S03-09**	154	MIN, 2 pole str male/90d fem 3'	**25.58**	ea	2	C		1	1	N
81004	**82P2S03-99**	153	MIN, 2 pole 90d male/90d fem 3'	**25.58**	ea	2	C		1	1	N
81359	**82P2S03D**	163	MIN, 2 pole male str/fem str shld 3'	**63.96**	ea	2	C		1	1	N
80193	**82P2S03X**	154	MIN, 2 pole male/fem str. 3'	**23.25**	ea	2	C		1	1	N
80113	**82P2S06**	151	MIN, 2 pole str male/str fem 6'	**24.45**	ea	2	C		1	1	N
81080	**82P2S06-09**	154	MIN, 2 pole str male/90d fem 6'	**26.86**	ea	2	C		1	1	N
81005	**82P2S06-99**	153	MIN, 2 pole 90d male/90d fem 6'	**26.86**	ea	2	C		1	1	N
81360	**82P2S06D**	163	MIN, 2 pole male str/fem str shld 6'	**66.73**	ea	2	C		1	1	N
80194	**82P2S06X**	154	MIN, 2 pole male/fem str. 6'	**24.46**	ea	2	C		1	1	N
80111	**82P2S12**	151	MIN, 2 pole str male/str fem 12'	**28.19**	ea	2	C		1	1	N
81078	**82P2S12-09**	154	MIN, 2 pole str male/90d fem 12'	**30.18**	ea	2	C		1	1	N
81003	**82P2S12-99**	153	MIN, 2 pole 90d male/90d fem 12'	**30.18**	ea	2	C		1	1	N
81358	**82P2S12D**	163	MIN, 2 pole male str/fem str shld 12'	**73.25**	ea	2	C		1	1	N
80192	**82P2S12X**	154	MIN, 2 pole male/fem str. 12'	**28.20**	ea	2	C		1	1	N
80114	**82P2S15**	151	MIN, 2 pole str male/str fem 15'	**29.98**	ea	2	C		1	1	N
81081	**82P2S15-09**	154	MIN, 2 pole str male/90d fem 15'	**32.15**	ea	2	C		1	1	N
81006	**82P2S15-99**	153	MIN, 2 pole 90d male/90d fem 15'	**32.15**	ea	2	C		1	1	N
81361	**82P2S15D**	163	MIN, 2 pole male str/fem str shld 15'	**78.43**	ea	2	C		1	1	N
80195	**82P2S15X**	154	MIN, 2 pole male/fem str. 15'	**29.09**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80115	**82P2S20**	151	MIN, 2 pole str male/str fem 20'	**32.83**	ea	2	C		1	1	N
81082	**82P2S20-09**	154	MIN, 2 pole str male/90d fem 20'	**35.36**	ea	2	C		1	1	N
81007	**82P2S20-99**	153	MIN, 2 pole 90d male/90d fem 20'	**35.36**	ea	2	C		1	1	N
81362	**82P2S20D**	163	MIN, 2 pole male str/fem str shld 20'	**84.50**	ea	2	C		1	1	N
80196	**82P2S20X**	154	MIN, 2 pole male/fem str. 20'	**32.85**	ea	2	C		1	1	N
81674	**82PX2S03**	151	MIN, 2 pole ext set cable ass'y. 3'	**23.25**	ea	2	C		1	1	N
81675	**82PX2S06**	151	MIN, 2 pole ext set cable ass'y. 6'	**24.45**	ea	2	C		1	1	N
81676	**82PX2S12**	151	MIN, 2 pole ext set cable ass'y. 12'	**28.19**	ea	2	C		1	1	N
81677	**82PX2S15**	151	MIN, 2 pole ext set cable ass'y. 15'	**29.98**	ea	2	C		1	1	N
81678	**82PX2S20**	151	MIN, 2 pole ext set cable ass'y. 20'	**32.83**	ea	2	C		1	1	N
80006	**82S03**	151	MIN, 2 pole fem str. 3'	**14.49**	ea	2	C		1	1	N
80066	**82S03-90**	151	MIN, 2 pole fem plug 90d 3'	**14.90**	ea	2	C		1	1	N
81304	**82S03D**	163	MIN, 2 pole fem str. shld 3'	**34.29**	ea	2	C		1	1	N
80148	**82S03X**	152	MIN, 2 pole fem str. ext thrd 3'	**14.49**	ea	2	C		1	1	N
80007	**82S06**	151	MIN, 2 pole fem str. 6'	**15.69**	ea	2	C		1	1	N
80067	**82S06-90**	151	MIN, 2 pole fem plug 90d 6'	**16.10**	ea	2	C		1	1	N
81305	**82S06D**	163	MIN, 2 pole fem str. shld 6'	**37.06**	ea	2	C		1	1	N
80149	**82S06X**	152	MIN, 2 pole fem str. ext thrd 6'	**15.69**	ea	2	C		1	1	N
80005	**82S12**	151	MIN, 2 pole fem str. 12'	**18.90**	ea	2	C		1	1	N
80065	**82S12-90**	151	MIN, 2 pole fem plug 90d 12'	**19.30**	ea	2	C		1	1	N
81303	**82S12D**	163	MIN, 2 pole fem str. shld 12'	**43.59**	ea	2	C		1	1	N
80147	**82S12X**	152	MIN, 2 pole fem str. ext thrd 12'	**18.89**	ea	2	C		1	1	N
80008	**82S15**	151	MIN, 2 pole fem plug str. 15'	**20.69**	ea	2	C		1	1	N
80068	**82S15-90**	151	MIN, 2 pole fem plug 90d 15'	**21.09**	ea	2	C		1	1	N
81306	**82S15D**	163	MIN, 2 pole fem str. shld 15'	**47.29**	ea	2	C		1	1	N
80150	**82S15X**	152	MIN, 2 pole fem str. ext thrd 15'	**20.69**	ea	2	C		1	1	N
80009	**82S20**	151	MIN, 2 pole fem plug str. 20'	**23.55**	ea	2	C		1	1	N
80069	**82S20-90**	151	MIN, 2 pole fem plug 90d. 20'	**23.95**	ea	2	C		1	1	N
81307	**82S20D**	163	MIN, 2 pole fem str. shld 20'	**54.15**	ea	2	C		1	1	N
80151	**82S20X**	152	MIN, 2 pole fem str. ext thrd 20'	**23.55**	ea	2	C		1	1	N
81084	**82S2P03-09**	154	MIN, 2 pole str fem/90d male 3'	**25.58**	ea	2	C		1	1	N
81085	**82S2P06-09**	154	MIN, 2 pole str fem/90d male 6'	**26.86**	ea	2	C		1	1	N
81083	**82S2P12-09**	154	MIN, 2 pole str fem/90d male 12'	**30.18**	ea	2	C		1	1	N
81086	**82S2P15-09**	154	MIN, 2 pole str fem/90d male 15'	**32.15**	ea	2	C		1	1	N
81087	**82S2P20-09**	154	MIN, 2 pole str fem/90d male 20'	**35.36**	ea	2	C		1	1	N
81179	**82S2S03**	153	MIN, 2 pole str fem/str fem 3'	**23.25**	ea	2	C		1	1	N
81109	**82S2S03-09**	155	MIN, 2 pole str fem/90d fem 3'	**25.58**	ea	2	C		1	1	N
81009	**82S2S03-99**	153	MIN, 2 pole 90d fem/90d fem 3'	**25.58**	ea	2	C		1	1	N
81364	**82S2S03D**	164	MIN, 2 pole fem str/fem str shld 3'	**63.96**	ea	2	C		1	1	N
81180	**82S2S06**	153	MIN, 2 pole str fem/str fem 6'	**24.45**	ea	2	C		1	1	N
81110	**82S2S06-09**	155	MIN, 2 pole str fem/90d fem 6'	**26.86**	ea	2	C		1	1	N
81010	**82S2S06-99**	153	MIN, 2 pole 90d fem/90d fem 6'	**26.86**	ea	2	C		1	1	N
81365	**82S2S06D**	164	MIN, 2 pole fem str/fem str shld 6'	**66.73**	ea	2	C		1	1	N
81178	**82S2S12**	153	MIN, 2 pole str fem/str fem 12'	**28.19**	ea	2	C		1	1	N
81108	**82S2S12-09**	155	MIN, 2 pole str fem/90d fem 12'	**30.18**	ea	2	C		1	1	N
81008	**82S2S12-99**	153	MIN, 2 pole 90d fem/90d fem 12'	**30.18**	ea	2	C		1	1	N
81363	**82S2S12D**	164	MIN, 2 pole fem str/fem str shld 12'	**73.25**	ea	2	C		1	1	N
81181	**82S2S15**	153	MIN, 2 pole str fem/str fem 15'	**29.98**	ea	2	C		1	1	N
81111	**82S2S15-09**	155	MIN, 2 pole str fem/90d fem 15'	**32.15**	ea	2	C		1	1	N
81011	**82S2S15-99**	153	MIN, 2 pole 90d fem/90d fem 15'	**32.15**	ea	2	C		1	1	N
81366	**82S2S15D**	164	MIN, 2 pole fem str/fem str shld 15'	**78.43**	ea	2	C		1	1	N
81182	**82S2S20**	153	MIN, 2 pole str fem/str fem 20'	**32.83**	ea	2	C		1	1	N
81112	**82S2S20-09**	155	MIN, 2 pole str fem/90d fem 20'	**35.36**	ea	2	C		1	1	N
81012	**82S2S20-99**	153	MIN, 2 pole 90d fem/90d fem 20'	**35.36**	ea	2	C	9	1	1	N
81367	**82S2S20D**	164	MIN, 2 pole fem str/fem str shld 20'	**84.50**	ea	2	C	6.75	1	1	N
55314	**830-25**	38	30W fluor, w/ hooks, singl tube, 25 ft. cord	**180.12**	ea	2	B	9.25	4	1	
59094	**830-25-GP**	38	30 watt single tube, 25' cable, 15A plug GFCI	**196.19**	ea	2	B	8	4	1	
55315	**830-50**	38	30W fluor, w/ hooks, singl tube, 50 ft. cord	**196.43**	ea	2	B		4	1	S
59095	**830-50-GP**	38	30 watt single tube, 50' cable, 15A plug GFCI	**211.55**	ea	2	B		4	1	
80011	**83P03**	151	MIN, 3 pole male plug str. 3'	**15.03**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80071	**83P03-90**	151	MIN, 3 pole male plug 90d 3'	**15.46**	ea	2	C		1	1	N
81309	**83P03D**	163	MIN, 3 pole male plug str. shld 3'	**36.30**	ea	2	C		1	1	N
80153	**83P03X**	152	MIN, 3 pole male str. ext thrd 3'	**15.03**	ea	2	C		1	1	N
80012	**83P06**	151	MIN, 3 pole male plug str. 6'	**16.50**	ea	2	C		1	1	N, S
80072	**83P06-90**	151	MIN, 3 pole male plug 90d 6'	**16.79**	ea	2	C		1	1	N, S
81310	**83P06D**	163	MIN, 3 pole male plug str. shld 6'	**39.60**	ea	2	C		1	1	N
80154	**83P06X**	152	MIN, 3 pole male str. ext thrd 6'	**16.50**	ea	2	C		1	1	N
80010	**83P12**	151	MIN, 3 pole male plug str. 12'	**20.93**	ea	2	C		1	1	N, S
80070	**83P12-90**	151	MIN, 3 pole male plug 90d 12'	**21.22**	ea	2	C		1	1	N, S
81308	**83P12D**	163	MIN, 3 pole male plug str. shld 12'	**47.13**	ea	2	C		1	1	N
80152	**83P12X**	152	MIN, 3 pole male str. ext thrd 12'	**20.93**	ea	2	C		1	1	N
80013	**83P15**	151	MIN, 3 pole male plug str. 15'	**23.22**	ea	2	C		1	1	N
80073	**83P15-90**	151	MIN, 3 pole male plug 90d 15'	**23.50**	ea	2	C		1	1	N
81311	**83P15D**	163	MIN, 3 pole male plug str. shld 15'	**51.29**	ea	2	C		1	1	N
80155	**83P15X**	152	MIN, 3 pole male str. ext thrd 15'	**23.22**	ea	2	C		1	1	N
80014	**83P20**	151	MIN, 3 pole male plug str. 20'	**27.50**	ea	2	C		1	1	N, S
80074	**83P20-90**	151	MIN, 3 pole male plug 90d. 20'	**27.79**	ea	2	C		1	1	N, S
81312	**83P20D**	163	MIN, 3 pole male plug str. shld 20'	**56.93**	ea	2	C		1	1	N
80156	**83P20X**	152	MIN, 3 pole male str. ext thrd 20'	**27.50**	ea	2	C		1	1	N
81184	**83P3P03**	153	MIN, 3 pole str male/str male 3'	**26.56**	ea	2	C		1	1	N
81114	**83P3P03-09**	155	MIN, 3 pole str male/90d male 3'	**30.22**	ea	2	C		1	1	N
81014	**83P3P03-99**	153	MIN, 3 pole 90d male/90d male 3'	**30.22**	ea	2	C		1	1	N
81369	**83P3P03D**	164	MIN, 3 pole male str/male str shld 3'	**67.49**	ea	2	C		1	1	N
80223	**83P3P03X**	155	MIN, 3 pole male/male str. 3'	**26.56**	ea	2	C		1	1	N
81185	**83P3P06**	153	MIN, 3 pole str male/str male 6'	**28.19**	ea	2	C		1	1	N
81115	**83P3P06-09**	155	MIN, 3 pole str male/90d male 6'	**31.86**	ea	2	C		1	1	N
81015	**83P3P06-99**	153	MIN, 3 pole 90d male/90d male 6'	**31.86**	ea	2	C		1	1	N
81370	**83P3P06D**	164	MIN, 3 pole male str/male str shld 6'	**70.79**	ea	2	C		1	1	N
80224	**83P3P06X**	155	MIN, 3 pole male/male str. 6'	**28.19**	ea	2	C		1	1	N
81183	**83P3P12**	153	MIN, 3 pole str male/str male 12'	**33.92**	ea	2	C		1	1	N
81113	**83P3P12-09**	155	MIN, 3 pole str male/90d male 12'	**36.15**	ea	2	C		1	1	N
81013	**83P3P12-99**	153	MIN, 3 pole 90d male/90d male 12'	**36.15**	ea	2	C		1	1	N
81368	**83P3P12D**	164	MIN, 3 pole male str/male str shld 12'	**78.32**	ea	2	C		1	1	N
80222	**83P3P12X**	155	MIN, 3 pole male/male str. 12'	**33.92**	ea	2	C		1	1	N
81186	**83P3P15**	153	MIN, 3 pole str male/str male 15'	**36.20**	ea	2	C		1	1	N
81116	**83P3P15-09**	155	MIN, 3 pole str male/90d male 15'	**38.43**	ea	2	C		1	1	N
81016	**83P3P15-99**	153	MIN, 3 pole 90d male/90d male 15'	**38.43**	ea	2	C		1	1	N
81371	**83P3P15D**	164	MIN, 3 pole male str/male str shld 15'	**82.72**	ea	2	C		1	1	N
80225	**83P3P15X**	155	MIN, 3 pole male/male str. 15'	**36.20**	ea	2	C		1	1	N
81187	**83P3P20**	153	MIN, 3 pole str male/str male 20'	**45.00**	ea	2	C		1	1	N
81117	**83P3P20-09**	155	MIN, 3 pole str male/90d male 20'	**42.43**	ea	2	C		1	1	N
81017	**83P3P20-99**	153	MIN, 3 pole 90d male/90d male 20'	**42.43**	ea	2	C		1	1	N
81372	**83P3P20D**	164	MIN, 3 pole male str/male str shld 20'	**88.15**	ea	2	C		1	1	N
80226	**83P3P20X**	155	MIN, 3 pole male/male str. 20'	**45.00**	ea	2	C		1	1	N
80117	**83P3S03**	151	MIN, 3 pole str male/str fem 3'	**26.56**	ea	2	C		1	1	N
81119	**83P3S03-09**	154	MIN, 3 pole str male/90d fem 3'	**30.22**	ea	2	C		1	1	N
81019	**83P3S03-99**	153	MIN, 3 pole 90d male/90d fem 3'	**30.22**	ea	2	C		1	1	N
81374	**83P3S03D**	163	MIN, 3 pole male str/fem str shld 3'	**67.49**	ea	2	C		1	1	N
80198	**83P3S03X**	154	MIN, 3 pole male/fem str. 3'	**26.56**	ea	2	C		1	1	N
80118	**83P3S06**	151	MIN, 3 pole str male/str fem 6'	**28.19**	ea	2	C		1	1	N
81120	**83P3S06-09**	154	MIN, 3 pole str male/90d fem 6'	**31.86**	ea	2	C		1	1	N
81020	**83P3S06-99**	153	MIN, 3 pole 90d male/90d fem 6'	**31.86**	ea	2	C		1	1	N
81375	**83P3S06D**	163	MIN, 3 pole male str/fem str shld 6'	**70.79**	ea	2	C		1	1	N
80199	**83P3S06X**	154	MIN, 3 pole male/fem str. 6'	**28.19**	ea	2	C		1	1	N
80116	**83P3S12**	151	MIN, 3 pole str male/str fem 12'	**33.92**	ea	2	C		1	1	N, S
81118	**83P3S12-09**	154	MIN, 3 pole str male/90d fem 12'	**36.15**	ea	2	C		1	1	N
81018	**83P3S12-99**	153	MIN, 3 pole 90d male/90d fem 12'	**36.15**	ea	2	C		1	1	N
81373	**83P3S12D**	163	MIN, 3 pole male str/fem str shld 12'	**78.32**	ea	2	C		1	1	N
80197	**83P3S12X**	154	MIN, 3 pole male/fem str. 12'	**33.92**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80119	**83P3S15**	151	MIN, 3 pole str male/str fem 15'	**36.20**	ea	2	C		1	1	N
81121	**83P3S15-09**	154	MIN, 3 pole str male/90d fem 15'	**38.43**	ea	2	C		1	1	N
81021	**83P3S15-99**	153	MIN, 3 pole 90d male/90d fem 15	**38.43**	ea	2	C		1	1	N
81376	**83P3S15D**	163	MIN, 3 pole male str/fem str shld 15'	**82.72**	ea	2	C		1	1	N
80200	**83P3S15X**	154	MIN, 3 pole male/fem str. 15'	**36.20**	ea	2	C		1	1	N
80120	**83P3S20**	151	MIN, 3 pole str male/str fem 20	**45.00**	ea	2	C		1	1	N, S
81122	**83P3S20-09**	154	MIN, 3 pole str male/90d fem 20'	**42.43**	ea	2	C		1	1	N
81022	**83P3S20-99**	153	MIN, 3 pole 90d male/90d fem 20	**42.43**	ea	2	C		1	1	N
81377	**83P3S20D**	163	MIN, 3 pole male str/fem str shld 20'	**88.15**	ea	2	C		1	1	N
80201	**83P3S20X**	154	MIN, 3 pole male/fem str. 20'	**45.00**	ea	2	C		1	1	N
81679	**83PX3S03**	151	MIN, 3 pole ext set cable ass'y. 3'	**26.56**	ea	2	C		1	1	N
81680	**83PX3S06**	151	MIN, 3 pole ext set cable ass'y. 6'	**28.19**	ea	2	C		1	1	N
81681	**83PX3S12**	151	MIN, 3 pole ext set cable ass'y. 12'	**33.92**	ea	2	C		1	1	N
81682	**83PX3S15**	151	MIN, 3 pole ext set cable ass'y. 15'	**36.20**	ea	2	C		1	1	N
81683	**83PX3S20**	151	MIN, 3 pole ext set cable ass'y. 20'	**45.00**	ea	2	C		1	1	N
80016	**83S03**	151	MIN, 3 pole fem str. 3'	**15.03**	ea	2	C		1	1	N
80076	**83S03-90**	151	MIN, 3 pole fem plug 90d 3'	**15.46**	ea	2	C		1	1	N
81314	**83S03D**	163	MIN, 3 pole fem str. shld 3'	**36.30**	ea	2	C		1	1	N
80158	**83S03X**	152	MIN, 3 pole fem str. ext thrd 3'	**15.03**	ea	2	C		1	1	N
80017	**83S06**	151	MIN, 3 pole fem str. 6'	**16.50**	ea	2	C		1	1	N, S
80077	**83S06-90**	151	MIN, 3 pole fem plug 90d 6'	**16.79**	ea	2	C		1	1	N, S
81315	**83S06D**	163	MIN, 3 pole fem str. shld 6'	**39.60**	ea	2	C		1	1	N
80159	**83S06X**	152	MIN, 3 pole fem str. ext thrd 6'	**16.50**	ea	2	C		1	1	N
80015	**83S12**	151	MIN, 3 pole fem str. 12'	**20.93**	ea	2	C		1	1	N, S
80075	**83S12-90**	151	MIN, 3 pole fem plug 90d 12'	**21.22**	ea	2	C		1	1	N, S
81313	**83S12D**	163	MIN, 3 pole fem str. shld 12'	**47.13**	ea	2	C		1	1	N
80157	**83S12X**	152	MIN, 3 pole fem str. ext thrd 12'	**20.93**	ea	2	C		1	1	N
80018	**83S15**	151	MIN, 3 pole fem plug str. 15'	**23.22**	ea	2	C		1	1	N
80078	**83S15-90**	151	MIN, 3 pole fem plug 90d 15'	**23.50**	ea	2	C		1	1	N
81316	**83S15D**	163	MIN, 3 pole fem str. shld 15'	**51.29**	ea	2	C		1	1	N
80160	**83S15X**	152	MIN, 3 pole fem str. ext thrd 15'	**23.22**	ea	2	C		1	1	N
80019	**83S20**	151	MIN, 3 pole fem plug str. 20'	**27.50**	ea	2	C		1	1	N, S
80079	**83S20-90**	151	MIN, 3 pole fem plug 90d. 20'	**27.79**	ea	2	C		1	1	N, S
81317	**83S20D**	163	MIN, 3 pole fem str. shld 20'	**56.93**	ea	2	C		1	1	N
80161	**83S20X**	152	MIN, 3 pole fem str. ext thrd 20'	**27.50**	ea	2	C		1	1	N
81089	**83S3P03-09**	154	MIN, 3 pole str fem/90d male 3'	**30.22**	ea	2	C		1	1	N
81090	**83S3P06-09**	154	MIN, 3 pole str fem/90d male 6'	**31.86**	ea	2	C		1	1	N
81088	**83S3P12-09**	154	MIN, 3 pole str fem/90d male 12'	**36.15**	ea	2	C		1	1	N
81091	**83S3P15-09**	154	MIN, 3 pole str fem/90d male 15'	**38.43**	ea	2	C		1	1	N
81092	**83S3P20-09**	154	MIN, 3 pole str fem/90d male 20'	**42.43**	ea	2	C		1	1	N
81189	**83S3S03**	153	MIN, 3 pole str fem/str fem 3'	**26.56**	ea	2	C		1	1	N
81124	**83S3S03-09**	155	MIN, 3 pole str fem/90d fem 3'	**30.22**	ea	2	C		1	1	N
81024	**83S3S03-99**	153	MIN, 3 pole 90d fem/90d fem 3'	**30.22**	ea	2	C		1	1	N
81379	**83S3S03D**	164	MIN, 3 pole fem str/fem str shld 3'	**67.49**	ea	2	C		1	1	N
81190	**83S3S06**	153	MIN, 3 pole str fem/str fem 6'	**28.19**	ea	2	C		1	1	N
81125	**83S3S06-09**	155	MIN, 3 pole str fem/90d fem 6'	**31.86**	ea	2	C		1	1	N
81025	**83S3S06-99**	153	MIN, 3 pole 90d fem/90d fem 6'	**31.86**	ea	2	C		1	1	N
81380	**83S3S06D**	164	MIN, 3 pole fem str/fem str shld 6'	**70.79**	ea	2	C		1	1	N
81188	**83S3S12**	153	MIN, 3 pole str fem/str fem 12'	**33.92**	ea	2	C		1	1	N
81123	**83S3S12-09**	155	MIN, 3 pole str fem/90d fem 12'	**36.15**	ea	2	C		1	1	N
81023	**83S3S12-99**	153	MIN, 3 pole 90d fem/90d fem 12'	**36.15**	ea	2	C		1	1	N
81378	**83S3S12D**	164	MIN, 3 pole fem str/fem str shld 12'	**78.32**	ea	2	C		1	1	N
81191	**83S3S15**	153	MIN, 3 pole str fem/str fem 15'	**36.20**	ea	2	C		1	1	N
81126	**83S3S15-09**	155	MIN, 3 pole str fem/90d fem 15'	**38.43**	ea	2	C		1	1	N
81026	**83S3S15-99**	153	MIN, 3 pole 90d fem/90d fem 15'	**38.43**	ea	2	C		1	1	N
81381	**83S3S15D**	164	MIN, 3 pole fem str/fem str shld 15'	**82.72**	ea	2	C		1	1	N
81192	**83S3S20**	153	MIN, 3 pole str fem/str fem 20'	**45.00**	ea	2	C		1	1	N
81127	**83S3S20-09**	155	MIN, 3 pole str fem/90d fem 20'	**42.43**	ea	2	C		1	1	N
81027	**83S3S20-99**	153	MIN, 3 pole 90d fem/90d fem 20'	**42.43**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81382	**83S3S20D**	164	MIN, 3 pole fem str/fem str shld 20'	**88.15**	ea	2	C		1	1	N
80021	**84P03**	151	MIN, 4 pole male plug str. 3'	**21.16**	ea	2	C		1	1	N
80081	**84P03-90**	151	MIN, 4 pole male plug 90d 3'	**21.68**	ea	2	C		1	1	N
81319	**84P03D**	163	MIN, 4 pole male plug str. shld 3'	**37.95**	ea	2	C		1	1	N
80163	**84P03X**	152	MIN, 4 pole male str. ext thrd 3'	**21.15**	ea	2	C		1	1	N
80022	**84P06**	151	MIN, 4 pole male plug str. 6'	**20.83**	ea	2	C		1	1	N, S
80082	**84P06-90**	151	MIN, 4 pole male plug 90d 6'	**23.99**	ea	2	C		1	1	N
81320	**84P06D**	163	MIN, 4 pole male plug str. shld 6'	**41.28**	ea	2	C		1	1	N
80164	**84P06X**	152	MIN, 4 pole male str. ext thrd 6'	**20.83**	ea	2	C		1	1	N
80020	**84P12**	151	MIN, 4 pole male plug str. 12'	**28.09**	ea	2	C		1	1	N, S
80080	**84P12-90**	151	MIN, 4 pole male plug 90d 12'	**29.56**	ea	2	C		1	1	N
81318	**84P12D**	163	MIN, 4 pole male plug str. shld 12'	**48.88**	ea	2	C		1	1	N
80162	**84P12X**	152	MIN, 4 pole male str. ext thrd 12'	**28.09**	ea	2	C		1	1	N
80023	**84P15**	151	MIN, 4 pole male plug str. 15'	**31.30**	ea	2	C		1	1	N
80083	**84P15-90**	151	MIN, 4 pole male plug 90d 15'	**32.78**	ea	2	C		1	1	N
81321	**84P15D**	163	MIN, 4 pole male plug str. shld 15'	**53.86**	ea	2	C		1	1	N
80165	**84P15X**	152	MIN, 4 pole male str. ext thrd 15'	**31.30**	ea	2	C		1	1	N
80024	**84P20**	151	MIN, 4 pole male plug str. 20'	**37.72**	ea	2	C		1	1	N, S
80084	**84P20-90**	151	MIN, 4 pole male plug 90d. 20'	**38.85**	ea	2	C		1	1	N
81322	**84P20D**	163	MIN, 4 pole male plug str. shld 20'	**58.86**	ea	2	C		1	1	N
80166	**84P20X**	152	MIN, 4 pole male str. ext thrd 20'	**37.72**	ea	2	C		1	1	N
81194	**84P4P03**	153	MIN, 4 pole str male/str male 3'	**33.42**	ea	2	C		1	1	N
81129	**84P4P03-09**	155	MIN, 4 pole str male/90d male 3'	**36.15**	ea	2	C		1	1	N
81029	**84P4P03-99**	153	MIN, 4 pole 90d male/90d male 3'	**36.15**	ea	2	C		1	1	N
81384	**84P4P03D**	164	MIN, 4 pole male str/male str shld 3'	**62.30**	ea	2	C		1	1	N
80228	**84P4P03X**	155	MIN, 4 pole male/male str. 3'	**33.42**	ea	2	C		1	1	N
81195	**84P4P06**	153	MIN, 4 pole str male/str male 6'	**35.75**	ea	2	C		1	1	N
81130	**84P4P06-09**	155	MIN, 4 pole str male/90d male 6'	**38.72**	ea	2	C		1	1	N
81030	**84P4P06-99**	153	MIN, 4 pole 90d male/90d male 6'	**38.72**	ea	2	C		1	1	N
81385	**84P4P06D**	164	MIN, 4 pole male str/male str shld 6'	**74.05**	ea	2	C		1	1	N
80229	**84P4P06X**	155	MIN, 4 pole male/male str. 6'	**35.75**	ea	2	C		1	1	N
81193	**84P4P12**	153	MIN, 4 pole str male/str male 12'	**37.83**	ea	2	C		1	1	N
81128	**84P4P12-09**	155	MIN, 4 pole str male/90d male 12'	**44.50**	ea	2	C		1	1	N
81028	**84P4P12-99**	153	MIN, 4 pole 90d male/90d male 12'	**44.50**	ea	2	C		1	1	N
81383	**84P4P12D**	164	MIN, 4 pole male str/male str shld 12'	**81.65**	ea	2	C		1	1	N
80227	**84P4P12X**	155	MIN, 4 pole male/male str. 12'	**37.83**	ea	2	C		1	1	N
81196	**84P4P15**	153	MIN, 4 pole str male/str male 15'	**44.52**	ea	2	C		1	1	N
81131	**84P4P15-09**	155	MIN, 4 pole str male/90d male 15'	**47.00**	ea	2	C		1	1	N
81031	**84P4P15-99**	153	MIN, 4 pole 90d male/90d male 15'	**47.00**	ea	2	C		1	1	N
81386	**84P4P15D**	164	MIN, 4 pole male str/male str shld 15'	**86.72**	ea	2	C		1	1	N
80230	**84P4P15X**	155	MIN, 4 pole male/male str. 15'	**44.52**	ea	2	C		1	1	N
81197	**84P4P20**	153	MIN, 4 pole str male/str male 20'	**52.50**	ea	2	C		1	1	N
81132	**84P4P20-09**	155	MIN, 4 pole str male/90d male 20'	**52.00**	ea	2	C		1	1	N
81032	**84P4P20-99**	153	MIN, 4 pole 90d male/90d male 20'	**52.00**	ea	2	C		1	1	N
81387	**84P4P20D**	164	MIN, 4 pole male str/male str shld 20'	**92.15**	ea	2	C		1	1	N
80231	**84P4P20X**	155	MIN, 4 pole male/male str. 20'	**52.50**	ea	2	C		1	1	N
80122	**84P4S03**	151	MIN, 4 pole str male/str fem 3'	**33.42**	ea	2	C		1	1	N
81134	**84P4S03-09**	154	MIN, 4 pole str male/90d fem 3'	**36.15**	ea	2	C		1	1	N
81034	**84P4S03-99**	153	MIN, 4 pole 90d male/90d fem 3'	**36.15**	ea	2	C		1	1	N
81389	**84P4S03D**	163	MIN, 4 pole male str/fem str shld 3'	**62.30**	ea	2	C		1	1	N
80203	**84P4S03X**	154	MIN, 4 pole male/fem str. 3'	**33.42**	ea	2	C		1	1	N
80123	**84P4S06**	151	MIN, 4 pole str male/str fem 6'	**35.75**	ea	2	C		1	1	N
81135	**84P4S06-09**	154	MIN, 4 pole str male/90d fem 6'	**38.72**	ea	2	C		1	1	N
81035	**84P4S06-99**	153	MIN, 4 pole 90d male/90d fem 6'	**38.72**	ea	2	C		1	1	N
81390	**84P4S06D**	163	MIN, 4 pole male str/fem str shld 6'	**74.05**	ea	2	C		1	1	N
80204	**84P4S06X**	154	MIN, 4 pole male/fem str. 6'	**35.75**	ea	2	C		1	1	N
80121	**84P4S12**	151	MIN, 4 pole str male/str fem 12'	**37.83**	ea	2	C		1	1	N, S
81133	**84P4S12-09**	154	MIN, 4 pole str male/90d fem 12'	**44.50**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

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Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81033	**84P4S12-99**	153	MIN, 4 pole 90d male/90d fem 12'	**44.50**	ea	2	C		1	1	N
81388	**84P4S12D**	163	MIN, 4 pole male str/fem str shld 12'	**81.65**	ea	2	C		1	1	N
80202	**84P4S12X**	154	MIN, 4 pole male/fem str. 12'	**37.83**	ea	2	C		1	1	N
80124	**84P4S15**	151	MIN, 4 pole str male/str fem 15'	**44.52**	ea	2	C		1	1	N
81136	**84P4S15-09**	154	MIN, 4 pole str male/90d fem 15'	**47.00**	ea	2	C		1	1	N
81036	**84P4S15-99**	153	MIN, 4 pole 90d male/90d fem 15'	**47.00**	ea	2	C		1	1	N
81391	**84P4S15D**	163	MIN, 4 pole male str/fem str shld 15'	**86.72**	ea	2	C		1	1	N
80205	**84P4S15X**	154	MIN, 4 pole male/fem str. 15'	**44.52**	ea	2	C		1	1	N
80125	**84P4S20**	151	MIN, 4 pole str male/str fem 20'	**52.50**	ea	2	C		1	1	N, S
81137	**84P4S20-09**	154	MIN, 4 pole str male/90d fem 20'	**52.00**	ea	2	C		1	1	N
81037	**84P4S20-99**	153	MIN, 4 pole 90d male/90d fem 20'	**52.00**	ea	2	C		1	1	N
81392	**84P4S20D**	163	MIN, 4 pole male str/fem str shld 20'	**92.15**	ea	2	C		1	1	N
80206	**84P4S20X**	154	MIN, 4 pole male/fem str. 20'	**52.50**	ea	2	C		1	1	N
81684	**84PX4S03**	151	MIN, 4 pole ext set cable ass'y. 3'	**33.42**	ea	2	C		1	1	N
81685	**84PX4S06**	151	MIN, 4 pole ext set cable ass'y. 6'	**35.75**	ea	2	C		1	1	N
81686	**84PX4S12**	151	MIN, 4 pole ext set cable ass'y. 12'	**37.83**	ea	2	C		1	1	N
81687	**84PX4S15**	151	MIN, 4 pole ext set cable ass'y. 15'	**44.52**	ea	2	C		1	1	N
81688	**84PX4S20**	151	MIN, 4 pole ext set cable ass'y. 20'	**52.50**	ea	2	C		1	1	N
80026	**84S03**	151	MIN, 4 pole fem str. 3'	**21.16**	ea	2	C		1	1	N
80086	**84S03-90**	151	MIN, 4 pole fem plug 90d 3'	**21.68**	ea	2	C		1	1	N
81324	**84S03D**	163	MIN, 4 pole fem str. shld 3'	**37.95**	ea	2	C		1	1	N
80168	**84S03X**	152	MIN, 4 pole fem str. ext thrd 3'	**21.15**	ea	2	C		1	1	N
80027	**84S06**	151	MIN, 4 pole fem str. 6'	**20.83**	ea	2	C		1	1	N, S
80087	**84S06-90**	151	MIN, 4 pole fem plug 90d 6'	**23.99**	ea	2	C		1	1	N
81325	**84S06D**	163	MIN, 4 pole fem str. shld 6'	**41.28**	ea	2	C		1	1	N
80169	**84S06X**	152	MIN, 4 pole fem str. ext thrd 6'	**20.83**	ea	2	C		1	1	N
80025	**84S12**	151	MIN, 4 pole fem str. 12'	**28.09**	ea	2	C		1	1	N, S
80085	**84S12-90**	151	MIN, 4 pole fem plug 90d 12'	**29.56**	ea	2	C		1	1	N
81323	**84S12D**	163	MIN, 4 pole fem str. shld 12'	**48.88**	ea	2	C		1	1	N
80167	**84S12X**	152	MIN, 4 pole fem str. ext thrd 12'	**28.09**	ea	2	C		1	1	N
80028	**84S15**	151	MIN, 4 pole fem plug str. 15'	**31.30**	ea	2	C		1	1	N
80088	**84S15-90**	151	MIN, 4 pole fem plug 90d 15'	**32.78**	ea	2	C		1	1	N
81326	**84S15D**	163	MIN, 4 pole fem str. shld 15'	**53.86**	ea	2	C		1	1	N
80170	**84S15X**	152	MIN, 4 pole fem str. ext thrd 15'	**31.30**	ea	2	C		1	1	N
80029	**84S20**	151	MIN, 4 pole fem plug str. 20'	**37.72**	ea	2	C		1	1	N, S
80089	**84S20-90**	151	MIN, 4 pole fem plug 90d. 20'	**38.85**	ea	2	C		1	1	N
81327	**84S20D**	163	MIN, 4 pole fem str. shld 20'	**58.86**	ea	2	C		1	1	N
80171	**84S20X**	152	MIN, 4 pole fem str. ext thrd 20'	**37.72**	ea	2	C		1	1	N
81094	**84S4P03-09**	154	MIN, 4 pole str fem/90d male 3'	**36.15**	ea	2	C		1	1	N
81095	**84S4P06-09**	154	MIN, 4 pole str fem/90d male 6'	**38.72**	ea	2	C		1	1	N
81093	**84S4P12-09**	154	MIN, 4 pole str fem/90d male 12'	**44.50**	ea	2	C		1	1	N
81096	**84S4P15-09**	154	MIN, 4 pole str fem/90d male 15'	**47.00**	ea	2	C		1	1	N
81097	**84S4P20-09**	154	MIN, 4 pole str fem/90d male 20'	**52.00**	ea	2	C		1	1	N
81199	**84S4S03**	153	MIN, 4 pole str fem/str fem 3'	**33.42**	ea	2	C		1	1	N
81139	**84S4S03-09**	155	MIN, 4 pole str fem/90d fem 3'	**36.15**	ea	2	C		1	1	N
81039	**84S4S03-99**	153	MIN, 4 pole 90d fem/90d fem 3'	**36.15**	ea	2	C		1	1	N
81394	**84S4S03D**	164	MIN, 4 pole fem str/fem str shld 3'	**62.30**	ea	2	C		1	1	N
81200	**84S4S06**	153	MIN, 4 pole str fem/str fem 6'	**35.75**	ea	2	C		1	1	N
81140	**84S4S06-09**	155	MIN, 4 pole str fem/90d fem 6'	**38.72**	ea	2	C		1	1	N
81040	**84S4S06-99**	153	MIN, 4 pole 90d fem/90d fem 6'	**38.72**	ea	2	C		1	1	N
81395	**84S4S06D**	164	MIN, 4 pole fem str/fem str shld 6'	**74.05**	ea	2	C		1	1	N
81198	**84S4S12**	153	MIN, 4 pole str fem/str fem 12'	**37.83**	ea	2	C		1	1	N
81138	**84S4S12-09**	155	MIN, 4 pole str fem/90d fem 12'	**44.50**	ea	2	C		1	1	N
81038	**84S4S12-99**	153	MIN, 4 pole 90d fem/90d fem 12'	**44.50**	ea	2	C		1	1	N
81393	**84S4S12D**	164	MIN, 4 pole fem str/fem str shld 12'	**81.65**	ea	2	C		1	1	N
81201	**84S4S15**	153	MIN, 4 pole str fem/str fem 15'	**44.52**	ea	2	C		1	1	N
81141	**84S4S15-09**	155	MIN, 4 pole str fem/90d fem 15'	**47.00**	ea	2	C		1	1	N
81041	**84S4S15-99**	153	MIN, 4 pole 90d fem/90d fem 15'	**47.00**	ea	2	C		1	1	N
81396	**84S4S15D**	164	MIN, 4 pole fem str/fem str shld 15'	**86.72**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81202	**84S4S20**	153	MIN, 4 pole str fem/str fem 20'	**52.50**	ea	2	C		1	1	N
81142	**84S4S20-09**	155	MIN, 4 pole str fem/90d fem 20'	**52.00**	ea	2	C		1	1	N
81042	**84S4S20-99**	153	MIN, 4 pole 90d fem/90d fem 20'	**52.00**	ea	2	C		1	1	N
81397	**84S4S20D**	164	MIN, 4 pole fem str/fem str shld 20'	**92.15**	ea	2	C		1	1	N
80996	**85P**	160	5 pole male terminator	**14.22**	ea	2	C		1	1	N
80031	**85P03**	151	MIN, 5 pole male plug str. 3'	**24.03**	ea	2	C		1	1	N
80091	**85P03-90**	151	MIN, 5 pole male plug 90d 3'	**25.30**	ea	2	C		1	1	N
81329	**85P03D**	163	MIN, 5 pole male plug str. shld 3'	**40.89**	ea	2	C		1	1	N
80173	**85P03X**	152	MIN, 5 pole male str. 3'	**24.03**	ea	2	C		1	1	N
80032	**85P06**	151	MIN, 5 pole male plug str. 6'	**24.88**	ea	2	C		1	1	N, S
80092	**85P06-90**	151	MIN, 5 pole male plug 90d 6'	**28.68**	ea	2	C		1	1	N
81330	**85P06D**	163	MIN, 5 pole male plug str. shld 6'	**45.63**	ea	2	C		1	1	N
80174	**85P06X**	152	MIN, 5 pole male str. ext thrd 6'	**24.88**	ea	2	C		1	1	N
80030	**85P12**	151	MIN, 5 pole male plug str. 12'	**34.55**	ea	2	C		1	1	N, S
80090	**85P12-90**	151	MIN, 5 pole male plug 90d 12'	**36.35**	ea	2	C		1	1	N
81328	**85P12D**	163	MIN, 5 pole male plug str. shld 12'	**56.09**	ea	2	C		1	1	N
80172	**85P12X**	152	MIN, 5 pole male str. 12'	**34.55**	ea	2	C		1	1	N
80033	**85P15**	151	MIN, 5 pole male plug str. 15'	**39.19**	ea	2	C		1	1	N
80093	**85P15-90**	151	MIN, 5 pole male plug 90d 15'	**40.99**	ea	2	C		1	1	N
81331	**85P15D**	163	MIN, 5 pole male plug str. shld 15'	**60.15**	ea	2	C		1	1	N
80175	**85P15X**	152	MIN, 5 pole male str. ext thrd 15'	**39.19**	ea	2	C		1	1	N
80034	**85P20**	151	MIN, 5 pole male plug str. 20'	**47.46**	ea	2	C		1	1	N, S
80094	**85P20-90**	151	MIN, 5 pole male plug 90d. 20'	**48.49**	ea	2	C		1	1	N
81332	**85P20D**	163	MIN, 5 pole male plug str. shld 20'	**65.93**	ea	2	C		1	1	N
80176	**85P20X**	152	MIN, 5 pole male str. ext thrd 20'	**47.46**	ea	2	C		1	1	N
81204	**85P5P03**	153	MIN, 5 pole str male/str male 3'	**38.42**	ea	2	C		1	1	N
81144	**85P5P03-09**	155	MIN, 5 pole str male/90d male 3'	**39.58**	ea	2	C		1	1	N
81044	**85P5P03-99**	153	MIN, 5 pole 90d male/90d male 3'	**39.58**	ea	2	C		1	1	N
81399	**85P5P03D**	164	MIN, 5 pole male str/male str shld 3'	**75.16**	ea	2	C		1	1	N
80233	**85P5P03X**	155	MIN, 5 pole male/male str. 3'	**38.42**	ea	2	C		1	1	N
81205	**85P5P06**	153	MIN, 5 pole str male/str male 6'	**41.78**	ea	2	C		1	1	N
81145	**85P5P06-09**	155	MIN, 5 pole str male/90d male 6'	**42.72**	ea	2	C		1	1	N
81045	**85P5P06-99**	153	MIN, 5 pole 90d male/90d male 6'	**42.72**	ea	2	C		1	1	N
81400	**85P5P06D**	164	MIN, 5 pole male str/male str shld 6'	**79.92**	ea	2	C		1	1	N
80234	**85P5P06X**	155	MIN, 5 pole male/male str. 6'	**41.78**	ea	2	C		1	1	N
81203	**85P5P12**	153	MIN, 5 pole str male/str male 12'	**52.62**	ea	2	C		1	1	N
81143	**85P5P12-09**	155	MIN, 5 pole str male/90d male 12'	**50.72**	ea	2	C		1	1	N
81043	**85P5P12-99**	153	MIN, 5 pole 90d male/90d male 12'	**50.72**	ea	2	C		1	1	N
81398	**85P5P12D**	164	MIN, 5 pole male str/male str shld 12'	**90.38**	ea	2	C		1	1	N
80232	**85P5P12X**	155	MIN, 5 pole male/male str. 12'	**52.62**	ea	2	C		1	1	N
81206	**85P5P15**	153	MIN, 5 pole str male/str male 15'	**57.26**	ea	2	C		1	1	N
81146	**85P5P15-09**	155	MIN, 5 pole str male/90d male 15'	**53.00**	ea	2	C		1	1	N
81046	**85P5P15-99**	153	MIN, 5 pole 90d male/90d male 15'	**53.00**	ea	2	C		1	1	N
81401	**85P5P15D**	164	MIN, 5 pole male str/male str shld 15'	**95.29**	ea	2	C		1	1	N
80235	**85P5P15X**	155	MIN, 5 pole male/male str. 15'	**57.26**	ea	2	C		1	1	N
81207	**85P5P20**	153	MIN, 5 pole str male/str male 20'	**68.93**	ea	2	C		1	1	N
81147	**85P5P20-09**	155	MIN, 5 pole str male/90d male 20'	**58.43**	ea	2	C		1	1	N
81047	**85P5P20-99**	153	MIN, 5 pole 90d male/90d male 20'	**58.43**	ea	2	C		1	1	N
81402	**85P5P20D**	164	MIN, 5 pole male str/male str shld 20'	**101.72**	ea	2	C		1	1	N
80236	**85P5P20X**	155	MIN, 5 pole male/male str. 20'	**68.93**	ea	2	C		1	1	N
80127	**85P5S03**	151	MIN, 5 pole str male/str fem 3'	**38.42**	ea	2	C		1	1	N
81149	**85P5S03-09**	154	MIN, 5 pole str male/90d fem 3'	**39.58**	ea	2	C		1	1	N
81049	**85P5S03-99**	153	MIN, 5 pole 90d male/90d fem 3'	**39.58**	ea	2	C		1	1	N
81404	**85P5S03D**	163	MIN, 5 pole male str/fem str shld 3'	**75.16**	ea	2	C		1	1	N
80208	**85P5S03X**	154	MIN, 5 pole male/fem str. 3'	**38.42**	ea	2	C		1	1	N
80128	**85P5S06**	151	MIN, 5 pole str male/str fem 6'	**41.78**	ea	2	C		1	1	N
81150	**85P5S06-09**	154	MIN, 5 pole str male/90d fem 6'	**42.72**	ea	2	C		1	1	N
81050	**85P5S06-99**	153	MIN, 5 pole 90d male/90d fem 6'	**42.72**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81405	85P5S06D	163	MIN, 5 pole male str/fem str shld 6'	79.92	ea	2	C		1	1	N
80209	85P5S06X	154	MIN, 5 pole male/fem str. 6'	41.78	ea	2	C		1	1	N
80126	85P5S12	151	MIN, 5 pole str male/str fem 12'	52.62	ea	2	C		1	1	N, S
81148	85P5S12-09	154	MIN, 5 pole str male/90d fem 12'	50.72	ea	2	C		1	1	N
81048	85P5S12-99	153	MIN, 5 pole 90d male/90d fem 12'	50.72	ea	2	C		1	1	N
81403	85P5S12D	163	MIN, 5 pole male str/fem str shld 12'	90.38	ea	2	C		1	1	N
80207	85P5S12X	154	MIN, 5 pole male/fem str. 12'	52.62	ea	2	C		1	1	N
80129	85P5S15	151	MIN, 5 pole str male/str fem 15'	57.26	ea	2	C		1	1	N
81151	85P5S15-09	154	MIN, 5 pole str male/90d fem 15'	53.00	ea	2	C		1	1	N
81051	85P5S15-99	153	MIN, 5 pole 90d male/90d fem 15'	53.00	ea	2	C		1	1	N
81406	85P5S15D	163	MIN, 5 pole male str/fem str shld 15'	95.29	ea	2	C		1	1	N
80210	85P5S15X	154	MIN, 5 pole male/fem str. 15'	57.26	ea	2	C		1	1	N
80130	85P5S20	151	MIN, 5 pole str male/str fem 20'	68.93	ea	2	C		1	1	N, S
81152	85P5S20-09	154	MIN, 5 pole str male/90d fem 20'	58.43	ea	2	C		1	1	N
81052	85P5S20-99	153	MIN, 5 pole 90d male/90d fem 20'	58.43	ea	2	C		1	1	N
81407	85P5S20D	163	MIN, 5 pole male str/fem str shld 20'	101.72	ea	2	C		1	1	N
80211	85P5S20X	154	MIN, 5 pole male/fem str. 20'	68.93	ea	2	C		1	1	N
81689	85PX5S03	151	MIN, 5 pole ext set cable ass'y. 3'	38.42	ea	2	C		1	1	N
81690	85PX5S06	151	MIN, 5 pole ext set cable ass'y. 6'	41.78	ea	2	C		1	1	N
81691	85PX5S12	151	MIN, 5 pole ext set cable ass'y. 12'	52.62	ea	2	C		1	1	N
81692	85PX5S15	151	MIN, 5 pole ext set cable ass'y. 15'	57.26	ea	2	C		1	1	N
81693	85PX5S20	151	MIN, 5 pole ext set cable ass'y. 20'	68.93	ea	2	C		1	1	N
80997	85S	160	5 pole fem terminator	18.32	ea	2	C		1	1	N
80036	85S03	151	MIN, 5 pole fem str. 3'	24.03	ea	2	C		1	1	N
80096	85S03-90	151	MIN, 5 pole fem 90d 3'	25.30	ea	2	C		1	1	N
81334	85S03D	163	MIN, 5 pole fem str. shld 3'	40.89	ea	2	C		1	1	N
80178	85S03X	152	MIN, 5 pole fem str. ext thrd 3'	24.03	ea	2	C		1	1	N
80037	85S06	151	MIN, 5 pole fem str. 6'	24.88	ea	2	C		1	1	N, S
80097	85S06-90	151	MIN, 5 pole fem 90d 6'	28.68	ea	2	C		1	1	N
81335	85S06D	163	MIN, 5 pole fem str. shld 6'	45.63	ea	2	C		1	1	N
80179	85S06X	152	MIN, 5 pole fem str. ext thrd 6'	24.88	ea	2	C		1	1	N
80035	85S12	151	MIN, 5 pole fem str. 12'	34.55	ea	2	C		1	1	N, S
80095	85S12-90	151	MIN, 5 pole fem 90d 12'	36.35	ea	2	C		1	1	N
81333	85S12D	163	MIN, 5 pole fem str. shld 12'	56.09	ea	2	C		1	1	N
80177	85S12X	152	MIN, 5 pole fem str. ext thrd 12'	34.55	ea	2	C		1	1	N
80038	85S15	151	MIN, 5 pole fem plug str. 15'	39.19	ea	2	C		1	1	N
80098	85S15-90	151	MIN, 5 pole fem plug 90d 15'	40.99	ea	2	C		1	1	N
81336	85S15D	163	MIN, 5 pole fem str. shld 15'	60.15	ea	2	C		1	1	N
80180	85S15X	152	MIN, 5 pole fem str. ext thrd 15'	39.19	ea	2	C		1	1	N
80039	85S20	151	MIN, 5 pole fem plug str. 20'	47.46	ea	2	C		1	1	N, S
80099	85S20-90	151	MIN, 5 pole fem plug 90d. 20'	48.49	ea	2	C		1	1	N
81337	85S20D	163	MIN, 5 pole fem str. shld 20'	65.93	ea	2	C		1	1	N
80181	85S20X	152	MIN, 5 pole fem str. ext thrd 20'	47.46	ea	2	C		1	1	N
81099	85S5P03-09	154	MIN, 5 pole str fem/90d male 3	39.58	ea	2	C		1	1	N
81100	85S5P06-09	154	MIN, 5 pole str fem/90d male 6'	42.72	ea	2	C		1	1	N
81098	85S5P12-09	154	MIN, 5 pole str fem/90d male 12'	50.72	ea	2	C		1	1	N
81101	85S5P15-09	154	MIN, 5 pole str fem/90d male 15'	53.00	ea	2	C		1	1	N
81102	85S5P20-09	154	MIN, 5 pole str fem/90d male 20'	58.43	ea	2	C		1	1	N
81209	85S5S03	153	MIN, 5 pole str fem/str fem 3'	38.42	ea	2	C		1	1	N
81154	85S5S03-09	155	MIN, 5 pole str fem/90d fem 3'	39.58	ea	2	C		1	1	N
81054	85S5S03-99	153	MIN, 5 pole 90d fem/90d fem 3'	39.58	ea	2	C		1	1	N
81409	85S5S03D	164	MIN, 5 pole fem str/fem str shld 3'	75.16	ea	2	C		1	1	N
81210	85S5S06	153	MIN, 5 pole str fem/str fem 6'	41.78	ea	2	C		1	1	N
81155	85S5S06-09	155	MIN, 5 pole str fem/90d fem 6'	42.72	ea	2	C		1	1	N
81055	85S5S06-99	153	MIN, 5 pole 90d fem/90d fem 6'	42.72	ea	2	C		1	1	N
81410	85S5S06D	164	MIN, 5 pole fem str/fem str shld 6'	79.92	ea	2	C		1	1	N
81208	85S5S12	153	MIN, 5 pole str fem/str fem 12'	52.62	ea	2	C		1	1	N
81153	85S5S12-09	155	MIN, 5 pole str fem/90d fem 12'	50.72	ea	2	C		1	1	N
81053	85S5S12-99	153	MIN, 5 pole 90d fem/90d fem 12'	50.72	ea	2	C		1	1	N

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UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81408	85S5S12D	164	MIN, 5 pole fem str/fem str shld 12'	90.38	ea	2	C		1	1	N
81211	85S5S15	153	MIN, 5 pole str fem/str fem 15'	57.26	ea	2	C		1	1	N
81156	85S5S15-09	155	MIN, 5 pole str fem/90d fem 15'	53.00	ea	2	C		1	1	N
81056	85S5S15-99	153	MIN, 5 pole 90d fem/90d fem 15'	53.00	ea	2	C		1	1	N
81411	85S5S15D	164	MIN, 5 pole fem str/fem str shld 15'	95.29	ea	2	C		1	1	N
81212	85S5S20	153	MIN, 5 pole str fem/str fem 20'	68.93	ea	2	C		1	1	N
81157	85S5S20-09	155	MIN, 5 pole str fem/90d fem 20'	58.43	ea	2	C		1	1	N
81057	85S5S20-99	153	MIN, 5 pole 90d fem/90d fem 20'	58.43	ea	2	C		1	1	N
81412	85S5S20D	164	MIN, 5 pole fem str/fem str shld 20'	101.72	ea	2	C		1	1	N
80041	86P03	151	MIN, 6 pole male plug str. 3'	27.58	ea	2	C		1	1	N
80101	86P03-90	151	MIN, 6 pole male plug 90d 3'	28.19	ea	2	C		1	1	N
81339	86P03D	163	MIN, 6 pole male plug str. shld 3'	43.15	ea	2	C		1	1	N
80183	86P03X	152	MIN, 6 pole male str. ext thrd 3'	27.58	ea	2	C		1	1	N
80042	86P06	151	MIN, 6 pole male plug str. 6'	31.53	ea	2	C		1	1	N
80102	86P06-90	151	MIN, 6 pole male plug 90d 6'	32.15	ea	2	C		1	1	N
81340	86P06D	163	MIN, 6 pole male plug str. shld 6'	48.52	ea	2	C		1	1	N
80184	86P06X	152	MIN, 6 pole male str. ext thrd 6'	31.53	ea	2	C		1	1	N
80040	86P12	151	MIN, 6 pole male plug str. 12'	40.45	ea	2	C		1	1	N
80100	86P12-90	151	MIN, 6 pole male plug 90d 12'	41.08	ea	2	C		1	1	N
81338	86P12D	163	MIN, 6 pole male plug str. shld 12'	60.23	ea	2	C		1	1	N
80182	86P12X	152	MIN, 6 pole male str. ext thrd 12'	40.45	ea	2	C		1	1	N
80043	86P15	151	MIN, 6 pole male plug str. 15'	46.52	ea	2	C		1	1	N
80103	86P15-90	151	MIN, 6 pole male plug 90d 15'	47.15	ea	2	C		1	1	N
81341	86P15D	163	MIN, 6 pole male plug str. shld 15'	65.00	ea	2	C		1	1	N
80185	86P15X	152	MIN, 6 pole male str. ext thrd 15'	46.52	ea	2	C		1	1	N
80044	86P20	151	MIN, 6 pole male plug str. 20'	56.52	ea	2	C		1	1	N
80104	86P20-90	151	MIN, 6 pole male plug 90d. 20'	57.15	ea	2	C		1	1	N
81342	86P20D	163	MIN, 6 pole male plug str. shld 20'	70.15	ea	2	C		1	1	N
80186	86P20X	152	MIN, 6 pole male str. ext thrd 20'	56.52	ea	2	C		1	1	N
81214	86P6P03	153	MIN, 6 pole str male/str male 3'	42.49	ea	2	C		1	1	N
81159	86P6P03-09	155	MIN, 6 pole str male/90d male 3'	43.86	ea	2	C		1	1	N
81059	86P6P03-99	153	MIN, 6 pole 90d male/90d male 3'	43.86	ea	2	C		1	1	N
81414	86P6P03D	164	MIN, 6 pole male str/male str shld 3'	79.09	ea	2	C		1	1	N
80238	86P6P03X	155	MIN, 6 pole male/male str. 3'	42.49	ea	2	C		1	1	N
81215	86P6P06	153	MIN, 6 pole str male/str male 6'	46.50	ea	2	C		1	1	N
81160	86P6P06-09	155	MIN, 6 pole str male/90d male 6'	47.50	ea	2	C		1	1	N
81060	86P6P06-99	153	MIN, 6 pole 90d male/90d male 6'	47.50	ea	2	C		1	1	N
81415	86P6P06D	164	MIN, 6 pole male str/male str shld 6'	84.53	ea	2	C		1	1	N
80239	86P6P06X	155	MIN, 6 pole male/male str. 6'	46.50	ea	2	C		1	1	N
81213	86P6P12	153	MIN, 6 pole str male/str male 12'	55.35	ea	2	C		1	1	N
81158	86P6P12-09	155	MIN, 6 pole str male/90d male 12'	56.43	ea	2	C		1	1	N
81058	86P6P12-99	153	MIN, 6 pole 90d male/90d male 12'	56.43	ea	2	C		1	1	N
81413	86P6P12D	164	MIN, 6 pole male str/male str shld 12'	96.23	ea	2	C		1	1	N
80237	86P6P12X	155	MIN, 6 pole male/male str. 12'	55.35	ea	2	C		1	1	N
81216	86P6P15	153	MIN, 6 pole str male/str male 15'	61.42	ea	2	C		1	1	N
81161	86P6P15-09	155	MIN, 6 pole str male/90d male 15'	58.72	ea	2	C		1	1	N
81061	86P6P15-99	153	MIN, 6 pole 90d male/90d male 15'	58.72	ea	2	C		1	1	N
81416	86P6P15D	164	MIN, 6 pole male str/male str shld 15'	100.79	ea	2	C		1	1	N
80240	86P6P15X	155	MIN, 6 pole male/male str. 15'	61.42	ea	2	C		1	1	N
81217	86P6P20	153	MIN, 6 pole str male/str male 20'	71.42	ea	2	C		1	1	N
81162	86P6P20-09	155	MIN, 6 pole str male/90d male 20'	63.08	ea	2	C		1	1	N
81062	86P6P20-99	153	MIN, 6 pole 90d male/90d male 20'	63.08	ea	2	C		1	1	N
81417	86P6P20D	164	MIN, 6 pole male str/male str shld 20'	107.50	ea	2	C		1	1	N
80241	86P6P20X	155	MIN, 6 pole male/male str. 20'	71.42	ea	2	C		1	1	N
80132	86P6S03	151	MIN, 6 pole str male/str fem 3'	42.49	ea	2	C		1	1	N
81164	86P6S03-09	154	MIN, 6 pole str male/90d fem 3'	43.86	ea	2	C		1	1	N
81064	86P6S03-99	153	MIN, 6 pole 90d male/90d fem 3'	43.86	ea	2	C		1	1	N
81419	86P6S03D	163	MIN, 6 pole male str/fem str shld 3'	79.09	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37
Effective Date: June 15, 2000
Supersedes Distributor Net Price Sheet
No. 36 Dated May 15,1997

Symbol legend:
N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80213	86P6S03X	154	MIN, 6 pole male/fem str. 3'	42.50	ea	2	C		1	1	N
80133	86P6S06	151	MIN, 6 pole str male/str fem 6'	46.50	ea	2	C		1	1	N
81165	86P6S06-09	154	MIN, 6 pole str male/90d fem 6'	47.50	ea	2	C		1	1	N
81065	86P6S06-99	153	MIN, 6 pole 90d male/90d fem 6'	47.50	ea	2	C		1	1	N
81420	86P6S06D	163	MIN, 6 pole male str/fem str shld 6'	84.53	ea	2	C		1	1	N
80214	86P6S06X	154	MIN, 6 pole male/fem str. 6'	46.50	ea	2	C		1	1	N
80131	86P6S12	151	MIN, 6 pole str male/str fem 12'	55.35	ea	2	C		1	1	N
81163	86P6S12-09	154	MIN, 6 pole str male/90d fem 12'	56.43	ea	2	C		1	1	N
81063	86P6S12-99	153	MIN, 6 pole 90d male/90d fem 12'	56.43	ea	2	C		1	1	N
81418	86P6S12D	163	MIN, 6 pole male str/fem str shld 12'	96.23	ea	2	C		1	1	N
80212	86P6S12X	154	MIN, 6 pole male/fem str. 12'	55.36	ea	2	C		1	1	N
80134	86P6S15	151	MIN, 6 pole str male/str fem 15'	61.42	ea	2	C		1	1	N
81166	86P6S15-09	154	MIN, 6 pole str male/90d fem 15'	58.72	ea	2	C		1	1	N
81066	86P6S15-99	153	MIN, 6 pole 90d male/90d fem 15'	58.72	ea	2	C		1	1	N
81421	86P6S15D	163	MIN, 6 pole male str/fem str shld 15'	100.79	ea	2	C		1	1	N
80215	86P6S15X	154	MIN, 6 pole male/fem str. 15'	61.43	ea	2	C		1	1	N
80135	86P6S20	151	MIN, 6 pole str male/str fem 20'	71.42	ea	2	C		1	1	N
81167	86P6S20-09	154	MIN, 6 pole str male/90d fem 20'	63.08	ea	2	C		1	1	N
81067	86P6S20-99	153	MIN, 6 pole 90d male/90d fem 20'	63.08	ea	2	C		1	1	N
81422	86P6S20D	163	MIN, 6 pole male str/fem str shld 20'	107.50	ea	2	C		1	1	N
80216	86P6S20X	154	MIN, 6 pole male/fem str. 20'	71.43	ea	2	C		1	1	N
81694	86PX6S03	151	MIN, 6 pole ext set cable ass'y. 3'	42.49	ea	2	C		1	1	N
81695	86PX6S06	151	MIN, 6 pole ext set cable ass'y. 6'	46.50	ea	2	C		1	1	N
81696	86PX6S12	151	MIN, 6 pole ext set cable ass'y. 12'	55.35	ea	2	C		1	1	N
81697	86PX6S15	151	MIN, 6 pole ext set cable ass'y. 15'	61.42	ea	2	C		1	1	N
81698	86PX6S20	151	MIN, 6 pole ext set cable ass'y. 20'	71.42	ea	2	C		1	1	N
80046	86S03	151	MIN, 6 pole fem str. 3'	27.58	ea	2	C		1	1	N
80106	86S03-90	151	MIN, 6 pole fem 90d 3'	28.19	ea	2	C		1	1	N
81344	86S03D	163	MIN, 6 pole fem str. shld 3'	43.15	ea	2	C		1	1	N
80188	86S03X	152	MIN, 6 pole fem str. ext thrd 3'	27.58	ea	2	C		1	1	N
80047	86S06	151	MIN, 6 pole fem str. 6'	31.53	ea	2	C		1	1	N
80107	86S06-90	151	MIN, 6 pole fem 90d 6'	32.15	ea	2	C		1	1	N
81345	86S06D	163	MIN, 6 pole fem str. shld 6'	48.52	ea	2	C		1	1	N
80189	86S06X	152	MIN, 6 pole fem str. ext thrd 6'	31.53	ea	2	C		1	1	N
80045	86S12	151	MIN, 6 pole fem str. 12'	40.45	ea	2	C		1	1	N
80105	86S12-90	151	MIN, 6 pole fem 90d 12'	41.08	ea	2	C		1	1	N
81343	86S12D	163	MIN, 6 pole fem str. shld 12'	60.23	ea	2	C		1	1	N
80187	86S12X	152	MIN, 6 pole fem str. ext thrd 12'	40.45	ea	2	C		1	1	N
80048	86S15	151	MIN, 6 pole fem plug str. 15	46.52	ea	2	C		1	1	N
80108	86S15-90	151	MIN, 6 pole fem plug 90d 15'	47.15	ea	2	C		1	1	N
81346	86S15D	163	MIN, 6 pole fem str. shld 15'	65.00	ea	2	C		1	1	N
80190	86S15X	152	MIN, 6 pole fem str. ext thrd 15'	46.52	ea	2	C		1	1	N
80049	86S20	151	MIN, 6 pole fem plug str. 20'	56.52	ea	2	C		1	1	N
80109	86S20-90	151	MIN, 6 pole fem plug 90d. 20'	57.15	ea	2	C		1	1	N
81347	86S20D	163	MIN, 6 pole fem str. shld 20'	70.15	ea	2	C		1	1	N
80191	86S20X	152	MIN, 6 pole fem str. ext thrd 20'	56.52	ea	2	C		1	1	N
81104	86S6P03-09	154	MIN, 6 pole str fem/90d male 3	43.86	ea	2	C		1	1	N
81105	86S6P06-09	154	MIN, 6 pole str fem/90d male 6'	47.50	ea	2	C		1	1	N
81103	86S6P12-09	154	MIN, 6 pole str fem/90d male 12'	56.43	ea	2	C		1	1	N
81106	86S6P15-09	154	MIN, 6 pole str fem/90d male 15'	58.72	ea	2	C		1	1	N
81107	86S6P20-09	154	MIN, 6 pole str fem/90d male 20'	63.08	ea	2	C		1	1	N
81219	86S6S03	153	MIN, 6 pole str fem/str fem 3'	42.49	ea	2	C		1	1	N
81169	86S6S03-09	155	MIN, 6 pole str fem/90d fem 3'	43.86	ea	2	C		1	1	N
81069	86S6S03-99	153	MIN, 6 pole 90d fem/90d fem 3'	43.86	ea	2	C		1	1	N
81424	86S6S03D	164	MIN, 6 pole fem str/fem str shld 3'	79.09	ea	2	C		1	1	N
81220	86S6S06	153	MIN, 6 pole str fem/str fem 6'	46.50	ea	2	C		1	1	N
81170	86S6S06-09	155	MIN, 6 pole str fem/90d fem 6'	47.50	ea	2	C		1	1	N
81070	86S6S06-99	153	MIN, 6 pole 90d fem/90d fem 6'	47.50	ea	2	C		1	1	N
81425	86S6S06D	164	MIN, 6 pole fem str/fem str shld 6'	84.53	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37
Effective Date: June 15, 2000
Supersedes Distributor Net Price Sheet
No. 36 Dated May 15,1997

Symbol legend:
N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81218	**86S6S12**	153	MIN, 6 pole str fem/str fem 12'	**55.35**	ea	2	C		1	1	N
81168	**86S6S12-09**	155	MIN, 6 pole str fem/90d fem 12'	**56.43**	ea	2	C		1	1	N
81068	**86S6S12-99**	153	MIN, 6 pole 90d fem/90d fem 12'	**56.43**	ea	2	C		1	1	N
81423	**86S6S12D**	164	MIN, 6 pole fem str/fem str shld 12'	**96.23**	ea	2	C		1	1	N
81221	**86S6S15**	153	MIN, 6 pole str fem/str fem 15'	**61.42**	ea	2	C		1	1	N
81171	**86S6S15-09**	155	MIN, 6 pole str fem/90d fem 15'	**58.72**	ea	2	C		1	1	N
81071	**86S6S15-99**	153	MIN, 6 pole 90d fem/90d fem 15'	**58.72**	ea	2	C		1	1	N
81426	**86S6S15D**	164	MIN, 6 pole fem str/fem str shld 15'	**100.79**	ea	2	C		1	1	N
81222	**86S6S20**	153	MIN, 6 pole str fem/str fem 20'	**71.42**	ea	2	C		1	1	N
81172	**86S6S20-09**	155	MIN, 6 pole str fem/90d fem 20'	**63.08**	ea	2	C		1	1	N
81072	**86S6S20-99**	153	MIN, 6 pole 90d fem/90d fem 20'	**63.08**	ea	2	C		1	1	N
81427	**86S6S20D**	164	MIN, 6 pole fem str/fem str shld 20'	**107.50**	ea	2	C		1	1	N
80137	**8912CP**	165	Closure cap for 9, 10 & 12 pole plugs	**13.86**	ea	2	C		10	1	N
80139	**8912CR**	165	Closure cap for 9, 10 & 12 pole recepts	**12.43**	ea	2	C		10	1	N
80141	**8912TA**	165	Threaded adapter for 9, 10 & 12 pole	**3.08**	ea	2	C		10	1	N
81429	**89P03**	156	MIN, 9 pole male plug str. 3'	**32.55**	ea	2	C		1	1	N
81459	**89P03-90**	156	MIN, 9 pole male plug 90d. 3'	**33.20**	ea	2	C		1	1	N
81430	**89P06**	156	MIN, 9 pole male plug str. 6'	**41.55**	ea	2	C		1	1	N
81460	**89P06-90**	156	MIN, 9 pole male plug 90d 6'	**42.75**	ea	2	C		1	1	N
81428	**89P12**	156	MIN, 9 pole male plug str. 12'	**60.35**	ea	2	C		1	1	N
81458	**89P12-90**	156	MIN, 9 pole male plug 90d 12'	**59.58**	ea	2	C		1	1	N
81431	**89P15**	156	MIN, 9 pole male plug str. 15'	**69.15**	ea	2	C		1	1	N
81461	**89P15-90**	156	MIN, 9 pole male plug 90d 15'	**68.35**	ea	2	C		1	1	N
81432	**89P20**	156	MIN, 9 pole male plug str. 20'	**83.78**	ea	2	C		1	1	N
81462	**89P20-90**	156	MIN, 9 pole male plug 90d. 20'	**83.02**	ea	2	C		1	1	N
81525	**89P9P03**	157	MIN, 9 pole male/male str. 3'	**52.50**	ea	2	C		1	1	N
81620	**89P9P03-09**	159	MIN, 9 pole str male/90d male 3'	**49.83**	ea	2	C		1	1	N
81555	**89P9P03-99**	157	MIN, 9 pole 90d male/90d male 3'	**54.03**	ea	2	C		1	1	N
81645	**89P9P03X**	159	MIN, 9 pole str male ext thd/str male ext thd 3'	**46.69**	ea	2	C		1	1	N
81526	**89P9P06**	157	MIN, 9 pole male/male str. 6'	**61.52**	ea	2	C		1	1	N
81621	**89P9P06-09**	159	MIN, 9 pole str male/90d male 6'	**58.63**	ea	2	C		1	1	N
81556	**89P9P06-99**	157	MIN, 9 pole 90d male/90d male 6'	**62.40**	ea	2	C		1	1	N
81646	**89P9P06X**	159	MIN, 9 pole str male ext thd/str male ext thd 6'	**55.92**	ea	2	C		1	1	N
81524	**89P9P12**	157	MIN, 9 pole male/male str. 12'	**79.33**	ea	2	C		1	1	N
81619	**89P9P12-09**	159	MIN, 9 pole str male/90d male 12'	**76.46**	ea	2	C		1	1	N
81554	**89P9P12-99**	157	MIN, 9 pole 90d male/90d male 12'	**80.23**	ea	2	C		1	1	N
81644	**89P9P12X**	159	MIN, 9 pole str male ext thd/str male ext thd 12'	**73.75**	ea	2	C		1	1	N
81527	**89P9P15**	157	MIN, 9 pole male/male str. 15'	**88.10**	ea	2	C		1	1	N
81622	**89P9P15-09**	159	MIN, 9 pole str male/90d male 15'	**85.25**	ea	2	C		1	1	N
81557	**89P9P15-99**	157	MIN, 9 pole 90d male/90d male 15'	**52.52**	ea	2	C		1	1	N
81647	**89P9P15X**	159	MIN, 9 pole str male ext thd/str male ext thd 15'	**82.53**	ea	2	C		1	1	N
81528	**89P9P20**	157	MIN, 9 pole male/male str. 20'	**102.72**	ea	2	C		1	1	N
81623	**89P9P20-09**	159	MIN, 9 pole str male/90d male 20'	**99.86**	ea	2	C		1	1	N
81558	**89P9P20-99**	157	MIN, 9 pole 90d male/90d male 20'	**61.15**	ea	2	C		1	1	N
81648	**89P9P20X**	159	MIN, 9 pole str male ext thd/str male ext thd 20'	**97.15**	ea	2	C		1	1	N
81489	**89P9S03**	156	MIN, 9 pole male/fem str. 3'	**57.38**	ea	2	C		1	1	N
81590	**89P9S03-09**	158	MIN, 9 pole str male/90d fem 3'	**57.52**	ea	2	C		1	1	N
81504	**89P9S03-99**	157	MIN, 9 pole 90d male/90d fem 3'	**57.38**	ea	2	C		1	1	N
81585	**89P9S03X**	158	MIN, 9 pole str male ext thd/str fem ext thd 3'	**51.32**	ea	2	C		1	1	N
81490	**89P9S06**	156	MIN, 9 pole male/fem str. 6'	**66.60**	ea	2	C		1	1	N
81591	**89P9S06-09**	158	MIN, 9 pole str male/90d fem 6'	**66.32**	ea	2	C		1	1	N
81505	**89P9S06-99**	157	MIN, 9 pole 90d male/90d fem 6'	**66.60**	ea	2	C		1	1	N
81586	**89P9S06X**	158	MIN, 9 pole str male ext thd/str fem ext thd 6'	**60.55**	ea	2	C		1	1	N
81488	**89P9S12**	156	MIN, 9 pole male/fem str. 12'	**90.63**	ea	2	C		1	1	N
81589	**89P9S12-09**	158	MIN, 9 pole str male/90d fem 12'	**84.15**	ea	2	C		1	1	N
81503	**89P9S12-99**	157	MIN, 9 pole 90d male/90d fem 12'	**81.09**	ea	2	C		1	1	N
81584	**89P9S12X**	158	MIN, 9 pole str male ext thd/str fem ext thd 12'	**78.35**	ea	2	C		1	1	N
81491	**89P9S15**	156	MIN, 9 pole male/fem str. 15'	**93.19**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

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UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
81592	**89P9S15-09**	158	MIN, 9 pole str male/90d fem 15'	**92.95**	ea	2	C		1	1	N
81506	**89P9S15-99**	157	MIN, 9 pole 90d male/90d fem 15'	**88.78**	ea	2	C		1	1	N
81587	**89P9S15X**	158	MIN, 9 pole str male ext thd/str fem ext thd 15'	**87.13**	ea	2	C		1	1	N
81492	**89P9S20**	156	MIN, 9 pole male/fem str. 20'	**107.86**	ea	2	C		1	1	N
81593	**89P9S20-09**	158	MIN, 9 pole str male/90d fem 20'	**107.56**	ea	2	C		1	1	N
81507	**89P9S20-99**	157	MIN, 9 pole 90d male/90d fem 20'	**103.45**	ea	2	C		1	1	N
81588	**89P9S20X**	158	MIN, 9 pole str male ext thd/str fem ext thd 20'	**101.80**	ea	2	C		1	1	N
81699	**89PX9S03**	156	MIN, 9 pole ext set cable ass'y. 3'	**57.38**	ea	2	C		1	1	N
81700	**89PX9S06**	156	MIN, 9 pole ext set cable ass'y. 6'	**66.60**	ea	2	C		1	1	N
81701	**89PX9S12**	156	MIN, 9 pole ext set cable ass'y. 12'	**90.63**	ea	2	C		1	1	N
81702	**89PX9S15**	156	MIN, 9 pole ext set cable ass'y. 15'	**93.19**	ea	2	C		1	1	N
81703	**89PX9S20**	156	MIN, 9 pole ext set cable ass'y. 20'	**107.86**	ea	2	C		1	1	N
81434	**89S03**	156	MIN, 9 pole fem str. 3'	**37.38**	ea	2	C		1	1	N
81464	**89S03-90**	156	MIN, 9 pole fem plug 90d 3'	**37.60**	ea	2	C		1	1	N
81435	**89S06**	156	MIN, 9 pole fem str. 6'	**46.38**	ea	2	C		1	1	N
81465	**89S06-90**	156	MIN, 9 pole fem plug 90d 6'	**47.58**	ea	2	C		1	1	N
81433	**89S12**	156	MIN, 9 pole fem str. 12'	**64.20**	ea	2	C		1	1	N
81463	**89S12-90**	156	MIN, 9 pole fem plug 90d 12'	**64.40**	ea	2	C		1	1	N
81436	**89S15**	156	MIN, 9 pole fem plug str. 15'	**72.99**	ea	2	C		1	1	N
81466	**89S15-90**	156	MIN, 9 pole fem plug 90d 15'	**73.19**	ea	2	C		1	1	N
81437	**89S20**	156	MIN, 9 pole fem plug str. 20'	**87.62**	ea	2	C		1	1	N
81467	**89S20-90**	156	MIN, 9 pole fem plug 90d. 20'	**87.80**	ea	2	C		1	1	N
81615	**89S9P03-09**	159	MIN, 9 pole str fem/90d male 3'	**57.52**	ea	2	C		1	1	N
81616	**89S9P06-09**	159	MIN, 9 pole str fem/90d male 6'	**66.32**	ea	2	C		1	1	N
81614	**89S9P12-09**	159	MIN, 9 pole str fem/90d male 12'	**84.15**	ea	2	C		1	1	N
81617	**89S9P15-09**	159	MIN, 9 pole str fem/90d male 15'	**92.95**	ea	2	C		1	1	N
81618	**89S9P20-09**	159	MIN, 9 pole str fem/90d male 20'	**107.56**	ea	2	C		1	1	N
81530	**89S9S03**	157	MIN, 9 pole str fem/str fem 3'	**63.46**	ea	2	C		1	1	N
81650	**89S9S03-09**	159	MIN, 9 pole str fem/90d fem 3'	**74.86**	ea	2	C		1	1	N
81560	**89S9S03-99**	157	MIN, 9 pole 90d fem/90d fem 3'	**64.75**	ea	2	C		1	1	N
81531	**89S9S06**	157	MIN, 9 pole str fem/str fem 6'	**72.72**	ea	2	C		1	1	N
81651	**89S9S06-09**	159	MIN, 9 pole str fem/90d fem 6'	**86.40**	ea	2	C		1	1	N
81561	**89S9S06-99**	157	MIN, 9 pole 90d fem/90d fem 6'	**73.15**	ea	2	C		1	1	N
81529	**89S9S12**	157	MIN, 9 pole str fem/str fem 12'	**90.52**	ea	2	C		1	1	N
81649	**89S9S12-09**	159	MIN, 9 pole str fem/90d fem 12'	**109.80**	ea	2	C		1	1	N
81559	**89S9S12-99**	157	MIN, 9 pole 90d fem/90d fem 12'	**90.95**	ea	2	C		1	1	N
81532	**89S9S15**	157	MIN, 9 pole str fem/str fem 15'	**99.33**	ea	2	C		1	1	N
81652	**89S9S15-09**	159	MIN, 9 pole str fem/90d fem 15'	**121.42**	ea	2	C		1	1	N
81562	**89S9S15-99**	157	MIN, 9 pole 90d fem/90d fem 15'	**99.72**	ea	2	C		1	1	N
81533	**89S9S20**	157	MIN, 9 pole str fem/str fem 20'	**113.96**	ea	2	C		1	1	N
81653	**89S9S20-09**	159	MIN, 9 pole str fem/90d fem 20	**140.69**	ea	2	C	0.73	1	1	N
81563	**89S9S20-99**	157	MIN, 9 pole 90d fem/90d fem 20'	**114.39**	ea	2	C		1	1	N
50015	**9-A**	28	Handle assy w/side outlet, skt, gnd clp	**28.57**	ea	2	C		30	6	S
80656	**9R2P**	169	MIC, 2 pole dual key male recept	**8.50**	ea	2	C		1	1	N
80657	**9R2S**	169	MIC, 2 pole dual key fem recept	**8.93**	ea	2	C		10	1	N
80658	**9R3P**	169	MIC, 3 pole dual key male recept	**9.36**	ea	2	C		10	1	N, S
80659	**9R3S**	169	MIC, 3 pole dual key fem recept	**9.93**	ea	2	C		10	1	N
80660	**9R4P**	169	MIC, 4 pole dual key male recept	**10.65**	ea	2	C		10	1	N, S
80661	**9R4S**	169	MIC, 4 pole dual key fem recept	**11.36**	ea	2	C		10	1	N
80662	**9R5P**	169	MIC, 5 pole dual key male recept	**11.36**	ea	2	C		10	1	N, S
80663	**9R5S**	169	MIC, 5 pole dual key fem recept	**12.50**	ea	2	C		10	1	N
80664	**9R6P**	169	MIC, 6 pole dual key male recept	**13.22**	ea	2	C	0.63	10	1	N
80665	**9R6S**	169	MIC, 6 pole dual key fem recept	**14.93**	ea	2	C		10	1	N
50011	**9-S**	28	Handle, w/side outlet and switch	**28.29**	ea	2	C	0.77	30	6	
50016	**9-SA**	28	Handle assy w/side outlet, skt, sw, gnd clp	**34.71**	ea	2	C		30	6	
80976	**9Y2P2S2S01**	172	MIC, 2 pole dual key y male/fem:fem 1'	**42.28**	ea	2	C		1	1	N
80977	**9Y2P2S2S01B**	172	MIC, 2 pole dual key y male/fem:fem brd 1'	**50.72**	ea	2	C		1	1	N
80978	**9Y2S2S2S01**	172	MIC, 2 pole dual key y fem/fem:fem 1'	**42.46**	ea	2	C		1	1	N
80979	**9Y2S2S2S01B**	172	MIC, 2 pole dual key y fem/fem:fem brd 1'	**50.72**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000
Supersedes Distributor Net Price Sheet
No. 36 Dated May 15,1997

Symbol legend:
N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80980	**9Y3P3S3S01**	172	MIC, 3 pole dual key y male/fem:fem 1'	**45.73**	ea	2	C		1	1	N
80981	**9Y3P3S3S01B**	172	MIC, 3 pole dual key y male/fem:fem brd 1'	**54.86**	ea	2	C		1	1	N
80982	**9Y3S3S3S01**	172	MIC, 3 pole dual key y fem/fem:fem 1'	**45.79**	ea	2	C		1	1	N
80983	**9Y3S3S3S01B**	172	MIC, 3 pole dual key y fem/fem:fem brd 1'	**54.86**	ea	2	C		1	1	N
80984	**9Y4P4S4S01**	172	MIC, 4 pole dual key y male/fem:fem 1'	**50.32**	ea	2	C		1	1	N
80985	**9Y4P4S4S01B**	172	MIC, 4 pole dual key y male/fem:fem brd 1'	**60.43**	ea	2	C		1	1	N
80986	**9Y4S4S4S01**	172	MIC, 4 pole dual key y fem/fem:fem 1'	**50.42**	ea	2	C		1	1	N
80987	**9Y4S4S4S01B**	172	MIC, 4 pole dual key y fem/fem:fem brd 1'	**60.43**	ea	2	C		1	1	N
80988	**9Y5P5S5S01**	172	MIC, 5 pole dual key y male/fem:fem 1'	**71.96**	ea	2	C		1	1	N
80989	**9Y5P5S5S01B**	172	MIC, 5 pole dual key y male/fem:fem brd 1'	**85.43**	ea	2	C		1	1	N
80990	**9Y5S5S5S01**	172	MIC, 5 pole dual key y fem/fem:fem 1'	**72.23**	ea	2	C		1	1	N
80991	**9Y5S5S5S01B**	172	MIC, 5 pole dual key y fem/fem:fem brd 1'	**85.43**	ea	2	C		1	1	N
80992	**9Y6P6S6S01**	172	MIC, 6 pole dual key y male/fem:fem 1'	**79.85**	ea	2	C		1	1	N
80993	**9Y6P6S6S01B**	172	MIC, 6 pole dual key y male/fem:fem brd 1'	**95.93**	ea	2	C		1	1	N
80994	**9Y6S6S6S01**	172	MIC, 6 pole dual key y fem/fem:fem 1'	**80.23**	ea	2	C		1	1	N
80995	**9Y6S6S6S01B**		MIC, 6 pole dual key y fem/fem:fem brd 1'	**95.93**	ea	2	C		1	1	N
80966	**9YC2P2S2S**	172	MIC, 2 pole dual key y-conn m/f:f	**42.28**	ea	2	C		1	1	N
80967	**9YC2S2S2S**	172	MIC, 2 pole dual key y-conn f/f:f	**42.46**	ea	2	C		1	1	N
80968	**9YC3P3S3S**	172	MIC, 3 pole dual key y-conn m/f:f	**45.73**	ea	2	C		1	1	N
80969	**9YC3S3S3S**	172	MIC, 3 pole dual key y-conn f/f:f	**45.79**	ea	2	C		1	1	N
80970	**9YC4P4S4S**	172	MIC, 4 pole dual key y-conn m/f:f	**50.32**	ea	2	C		1	1	N
80971	**9YC4S4S4S**	172	MIC, 4 pole dual key y-conn f/f:f	**50.42**	ea	2	C		1	1	N
80972	**9YC5P5S5S**	172	MIC, 5 pole dual key y-conn m/f:f	**71.96**	ea	2	C		1	1	N
80973	**9YC5S5S5S**	172	MIC, 5 pole dual key y-conn f/f:f	**72.23**	ea	2	C		1	1	N
80974	**9YC6P6S6S**	172	MIC, 6 pole dual key y-conn m/f:f	**79.85**	ea	2	C	0.6	1	1	N
80975	**9YC6S6S6S**	172	MIC, 6 pole dual key y-conn f/f:f	**80.23**	ea	2	C	4.5	1	1	N
50010	**9**	28	Handle, w/side outlet, no switch	**22.14**	ea	2	C	3.5	30	6	
54020	**900-25**	38	13W TWIN-TUBE with 25 ft. cord & plug	**96.17**	ea	2	B	5.7	10	1	S
59096	**900-25-GP**	38	13W twin tube, 25' cable, 15A plug GFCI	**123.22**	ea	2	B	4.75	10	1	
54021	**900-50**	38	13W TWIN-TUBE with 50 ft. cord & plug	**105.86**	ea	2	B		10	1	S
59097	**900-50-GP**	38	13W twin tube, 50' cable, 15A plug GFCI	**132.88**	ea	2	B		10	1	
54023	**901**	38	End Cap with Hook for 13W TWIN-TUBE	**5.77**	ea	2	C	1	1	1	
54024	**902**	38	Tubeshield for 13W TWIN-TUBE	**9.83**	ea	2	C		1	1	
54025	**903**	38	13W Twin Tube Lamp, No. PL-13	**17.86**	ea	2	C	4	1	1	
54026	**904**	38	Lamp retain spdr (2 reqd) for 13W TWIN-TUBE	**1.66**	ea	2	C	5	1	1	
54027	**905**	38	Handle w/ ballast, 25' cord set for 13W TWIN-TUBE	**84.53**	ea	2	C	1.77	1	1	
54028	**906**	38	Handle w/ ballast, 50' cord set for 13W TWIN-TUBE	**95.63**	ea	2	C	1.8	1	1	
55200	**918**	29	#9 hand 200/300W clsd-end grd, no refl no swtch	**43.24**	ea	2	B	1.8	30	6	
55201	**918-I**	29	Same as 918, w/insulated guard	**54.65**	ea	2	B		30	6	
55203	**918-R**	29	Same as 918, w/ refl	**46.76**	ea	2	B	1.83 1.87	30	6	
55202	**918-RI**	29	Same as 918-R, w/insulated guard	**59.85**	ea	2	B	2	30	6	
55204	**918-RS**	29	Same as 918-R, w/ swtch	**50.99**	ea	2	B	1.8	30	6	
55205	**918-RSI**	29	Same as 918-RS, w/insulated guard	**64.83**	ea	2	B	1.83	30	6	
55206	**918-S**	29	Same as 918, w/ swtch	**48.22**	ea	2	B	1.77	30	6	
55207	**918-SI**	29	Same as 918-S, w/insulated guard	**59.62**	ea	2	B	1.8	30	6	
55310	**919**	29	#9 hand 200/300W open-end grd, no refl no swtch	**42.19**	ea	2	B	1.8	30	6	
55320	**919-I**	29	Same as 919, w/ insulated guard	**54.34**	ea	2	B	1.83	30	6	
55325	**919-R**	29	Same as 919, w/ refl	**46.84**	ea	2	B		30	6	
55326	**919-RI**	29	Same as 919-R, w/insulated guard	**58.78**	ea	2	B	1.87 2	30	6	
55328	**919-RS**	29	Same as 919-R, w/ swtch	**50.34**	ea	2	B	1.8	30	6	
55329	**919-RSI**	29	Same as 919-RS, w/insulated guard	**63.75**	ea	2	B	1.83	30	6	
55332	**919-S**	29	Same as 919, w/ swtch	**47.99**	ea	2	B		30	6	
55333	**919-SI**	29	Same as 919-S, w/insulated guard	**59.31**	ea	2	B		30	6	
49182	**926-25**	38	26W, 25' cord w/ 5-15 plug, ballast in handle w/ switch	**127.14**	ea	2	B		5	1	S
49184	**926-50**	38	26W, 50' cord w/ 5-15 plug, ballast in handle w/ switch	**137.14**	ea	2	B		5	1	
49201	**926-BP**	38	26W ballast kit (incls ballast, skt, grnt, wire nuts)	**78.57**	ea	2	C		1	1	
49199	**926-CF**	38	PL style 26W CF bulb	**19.29**	ea	2	C		1	1	
49203	**926-EC**	38	End Cap w/ Hook for 926 fluor	**5.64**	ea	2	C		1	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
49187	**926NS-25**	39	26W, 25' cord w/ 5-15 plug, ballast in handle, no switch	**120.71**	ea	2	B		5	1	
49189	**926NS-50**	39	26W, 50' cord w/ 5-15 plug, ballast in handle, no switch	**130.71**	ea	2	B		5	1	
49195	**926NS-P**	39	26W, 5-15 plug in handle, no switch	**110.71**	ea	2	B		5	1	
49197	**926NS-PL**	39	26W, L5-15 plug in handle, no switch	**110.71**	ea	2	B		5	1	
49191	**926-P**	39	26W, 5-15 plug in handle w/ switch	**117.14**	ea	2	B		5	1	
49193	**926-PL**	39	26W, L5-15 plug in handle w/switch	**117.14**	ea	2	B		5	1	
49205	**926-RS**	38	Lamp retain spdr kit (incls 2 retain spdr) for 926 fluor	**2.79**	ea	2	C		1	1	
49208	**926-SW**	38	Switch for 926 fluor	**6.43**	ea	2	C		1	1	
49210	**926-TS**	38	Tubeshield for 926 fluor	**11.07**	ea	2	C		1	1	
80597	**92P06**	168	MIC, 2 pole dual key male plug str. 6'	**12.19**	ea	2	C		1	1	N
80667	**92P06-90**	168	MIC, 2 pole dual key 90d male 6'	**11.79**	ea	2	C		1	1	N
80600	**92P06B**	168	MIC, 2 pole dual key male plug str. brd 6'	**15.15**	ea	2	C		1	1	N
80670	**92P06B-90**	168	MIC, 2 pole dual key 90d male brd 6'	**14.75**	ea	2	C		1	1	N
80596	**92P12**	168	MIC, 2 pole dual key male plug str. 12'	**14.80**	ea	2	C		1	1	N
80666	**92P12-90**	168	MIC, 2 pole dual key 90d male 12'	**13.62**	ea	2	C		1	1	N
80599	**92P12B**	168	MIC, 2 pole dual key male plug str. brd 12'	**20.73**	ea	2	C		1	1	N
80669	**92P12B-90**	168	MIC, 2 pole dual key 90d male brd 12'	**19.55**	ea	2	C		1	1	N
80598	**92P20**	168	MIC, 2 pole dual key male plug str. 20'	**21.72**	ea	2	C		1	1	N
80668	**92P20-90**	168	MIC, 2 pole dual key 90d male 20'	**21.72**	ea	2	C		1	1	N
80601	**92P20B**	168	MIC, 2 pole dual key male plug str. brd 20'	**28.86**	ea	2	C		1	1	N
80671	**92P20B-90**	168	MIC, 2 pole dual key 90d male brd 20'	**28.86**	ea	2	C		1	1	N
80847	**92P2P06**	169	MIC, 2 pole dual key male/male 6'	**19.59**	ea	2	C		1	1	N
80889	**92P2P06-09**	171	MIC, 2 pole dual key str. male/90d male 6'	**19.59**	ea	2	C		1	1	N
80757	**92P2P06-99**	171	MIC, 2 pole dual key 90d male/90d male 6'	**19.59**	ea	2	C		1	1	N
80850	**92P2P06B**	169	MIC, 2 pole dual key male/male brd 6'	**22.55**	ea	2	C		1	1	N
80891	**92P2P06B-09**	171	MIC, 2 pole dual key str. male/90d male brd 6'	**23.93**	ea	2	C		1	1	N
80760	**92P2P06B-99**	171	MIC, 2 pole dual key 90d male/90d male brd 6'	**23.93**	ea	2	C		1	1	N
80846	**92P2P12**	169	MIC, 2 pole dual key male/male 12'	**21.42**	ea	2	C		1	1	N
80756	**92P2P12-99**	171	MIC, 2 pole dual key 90d male/90d male 12'	**21.42**	ea	2	C		1	1	N
80849	**92P2P12B**	169	MIC, 2 pole dual key male/male brd 12'	**27.35**	ea	2	C		1	1	N
80759	**92P2P12B-99**	171	MIC, 2 pole dual key 90d male/90d male brd 12'	**27.33**	ea	2	C		1	1	N
80848	**92P2P20**	169	MIC, 2 pole dual key male/male 20'	**25.72**	ea	2	C		1	1	N
80890	**92P2P20-09**	171	MIC, 2 pole dual key str. male/90d male 20'	**25.72**	ea	2	C		1	1	N
80758	**92P2P20-99**	171	MIC, 2 pole dual key 90d male/90d male 20'	**25.72**	ea	2	C		1	1	N
80851	**92P2P20B**	169	MIC, 2 pole dual key male/male brd 20'	**32.86**	ea	2	C		1	1	N
80892	**92P2P20B-09**	171	MIC, 2 pole dual key str. male/90d male brd 20'	**32.86**	ea	2	C		1	1	N
80761	**92P2P20B-99**	171	MIC, 2 pole dual key 90d male/90d male brd 20'	**32.86**	ea	2	C		1	1	N
80727	**92P2S06**	169	MIC, 2 pole dual key male/fem 6'	**19.59**	ea	2	C		1	1	N
80893	**92P2S06-09**	170	MIC, 2 pole dual key str. male/90d fem 6'	**19.59**	ea	2	C		1	1	N
80763	**92P2S06-99**	170	MIC, 2 pole dual key 90d male/90d fem 6'	**19.59**	ea	2	C		1	1	N
80730	**92P2S06B**	169	MIC, 2 pole dual key male/fem brd 6'	**23.93**	ea	2	C		1	1	N
80895	**92P2S06B-09**	170	MIC, 2 pole dual key str. male/90d fem brd 6'	**23.93**	ea	2	C		1	1	N
80766	**92P2S06B-99**	170	MIC, 2 pole dual key 90d male/90d fem brd 6'	**23.93**	ea	2	C		1	1	N
80726	**92P2S12**	169	MIC, 2 pole dual key male/fem 12'	**21.42**	ea	2	C		1	1	N
80762	**92P2S12-99**	170	MIC, 2 pole dual key 90d male/90d fem 12'	**21.42**	ea	2	C		1	1	N
80729	**92P2S12B**	169	MIC, 2 pole dual key male/fem brd 12'	**27.35**	ea	2	C		1	1	N
80765	**92P2S12B-99**	170	MIC, 2 pole dual key 90d male/90d fem brd 12'	**27.33**	ea	2	C		1	1	N
80728	**92P2S20**	169	MIC, 2 pole dual key male/fem 20'	**25.72**	ea	2	C		1	1	N
80894	**92P2S20-09**	170	MIC, 2 pole dual key str. male/90d fem 20'	**25.72**	ea	2	C		1	1	N
80764	**92P2S20-99**	170	MIC, 2 pole dual key 90d male/90d fem 20'	**25.72**	ea	2	C		1	1	N
80731	**92P2S20B**	169	MIC, 2 pole dual key male/fem brd 20'	**32.86**	ea	2	C		1	1	N
80896	**92P2S20B-09**	170	MIC, 2 pole dual key str. male/90d fem brd 20'	**32.86**	ea	2	C		1	1	N
80767	**92P2S20B-99**	170	MIC, 2 pole dual key 90d male/90d fem brd 20'	**32.86**	ea	2	C		1	1	N
80603	**92S06**	168	MIC, 2 pole dual key fem str. 6'	**12.19**	ea	2	C		1	1	N
80673	**92S06-90**	168	MIC, 2 pole dual key 90d fem 6'	**11.79**	ea	2	C		1	1	N
80606	**92S06B**	168	MIC, 2 pole dual key fem str. brd 6'	**15.15**	ea	2	C		1	1	N
80676	**92S06B-90**	168	MIC, 2 pole dual key 90d fem brd 6'	**14.75**	ea	2	C		1	1	N
80602	**92S12**	168	MIC, 2 pole dual key fem str. 12'	**14.80**	ea	2	C		1	1	N
80672	**92S12-90**	168	MIC, 2 pole dual key 90d fem 12'	**13.62**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80605	**92S12B**	168	MIC, 2 pole dual key fem str. brd 12'	**20.73**	ea	2	C		1	1	N
80675	**92S12B-90**	168	MIC, 2 pole dual key 90d fem brd 12'	**19.55**	ea	2	C		1	1	N
80604	**92S20**	168	MIC, 2 pole dual key fem str. 20'	**21.72**	ea	2	C		1	1	N
80674	**92S20-90**	168	MIC, 2 pole dual key 90d fem 20'	**21.72**	ea	2	C		1	1	N
80607	**92S20B**	168	MIC, 2 pole dual key fem str. brd 20'	**28.86**	ea	2	C		1	1	N
80677	**92S20B-90**	168	MIC, 2 pole dual key 90d fem brd 20'	**28.86**	ea	2	C		1	1	N
80897	**92S2P06-09**	170	MIC, 2 pole dual key str. fem/90d male 6'	**19.59**	ea	2	C		1	1	N
80899	**92S2P06B-09**	170	MIC, 2 pole dual key str. fem/90d male brd 6'	**23.93**	ea	2	C		1	1	N
80898	**92S2P20-09**	170	MIC, 2 pole dual key str. fem/90d male 20'	**25.72**	ea	2	C		1	1	N
80900	**92S2P20B-09**	170	MIC, 2 pole dual key str. fem/90d male brd 20'	**32.86**	ea	2	C		1	1	N
80853	**92S2S06**	169	MIC, 2 pole dual key fem/fem 6'	**19.59**	ea	2	C		1	1	N
80901	**92S2S06-09**	171	MIC, 2 pole dual key str. fem/90d fem 6'	**19.59**	ea	2	C		1	1	N
80769	**92S2S06-99**	171	MIC, 2 pole dual key 90d fem/90d fem 6'	**19.59**	ea	2	C		1	1	N
80855	**92S2S06B**	169	MIC, 2 pole dual key fem/fem brd 6'	**22.55**	ea	2	C		1	1	N
80903	**92S2S06B-09**	171	MIC, 2 pole dual key str. fem/90d fem brd 6'	**23.93**	ea	2	C		1	1	N
80772	**92S2S06B-99**	171	MIC, 2 pole dual key 90d fem/90d fem brd 6'	**23.93**	ea	2	C		1	1	N
80852	**92S2S12**	169	MIC, 2 pole dual key fem/fem 12'	**21.42**	ea	2	C		1	1	N
80768	**92S2S12-99**	171	MIC, 2 pole dual key 90d fem/90d fem 12'	**21.42**	ea	2	C		1	1	N
80771	**92S2S12B-99**	171	MIC, 2 pole dual key 90d fem/90d fem brd 12'	**27.33**	ea	2	C		1	1	N
80854	**92S2S20**	169	MIC, 2 pole dual key fem/fem 20'	**25.72**	ea	2	C		1	1	N
80902	**92S2S20-09**	171	MIC, 2 pole dual key str. fem/90d fem 20'	**25.72**	ea	2	C		1	1	N
80770	**92S2S20-99**	171	MIC, 2 pole dual key 90d fem/90d fem 20'	**25.72**	ea	2	C		1	1	N
80856	**92S2S20B**	169	MIC, 2 pole dual key fem/fem brd 20'	**32.86**	ea	2	C		1	1	N
80904	**92S2S20B-09**	171	MIC, 2 pole dual key str. fem/90d fem brd 20'	**32.86**	ea	2	C		1	1	N
80773	**92S2S20B-99**	171	MIC, 2 pole dual key 90d fem/90d fem brd 20'	**32.86**	ea	2	C		1	1	N
80609	**93P06**	168	MIC, 3 pole dual key male plug str. 6'	**13.22**	ea	2	C		1	1	N, S
80679	**93P06-90**	168	MIC, 3 pole dual key 90d male 6'	**13.50**	ea	2	C		1	1	N
80612	**93P06B**	168	MIC, 3 pole dual key male plug str. brd 6'	**16.86**	ea	2	C		1	1	N
80682	**93P06B-90**	168	MIC, 3 pole dual key 90d male brd 6'	**17.00**	ea	2	C		1	1	N
80608	**93P12**	168	MIC, 3 pole dual key male plug str. 12'	**16.43**	ea	2	C		1	1	N
80678	**93P12-90**	168	MIC, 3 pole dual key 90d male 12'	**16.58**	ea	2	C		1	1	N
80611	**93P12B**	168	MIC, 3 pole dual key male plug str. brd 12'	**22.35**	ea	2	C		1	1	N
80681	**93P12B-90**	168	MIC, 3 pole dual key 90d male brd 12'	**22.49**	ea	2	C		1	1	N
80610	**93P20**	168	MIC, 3 pole dual key male plug str. 20'	**22.90**	ea	2	C		1	1	N, S
80680	**93P20-90**	168	MIC, 3 pole dual key 90d male 20'	**22.86**	ea	2	C		1	1	N
80613	**93P20B**	168	MIC, 3 pole dual key male plug str. brd 20'	**31.43**	ea	2	C		1	1	N
80683	**93P20B-90**	168	MIC, 3 pole dual key 90d male brd 20'	**31.43**	ea	2	C		1	1	N
80857	**93P3P06**	169	MIC, 3 pole dual key male/male 6'	**22.45**	ea	2	C		1	1	N
80905	**93P3P06-09**	171	MIC, 3 pole dual key str. male/90d male 6'	**22.45**	ea	2	C		1	1	N
80775	**93P3P06-99**	171	MIC, 3 pole dual key 90d male/90d male 6'	**22.45**	ea	2	C		1	1	N
80859	**93P3P06B**	169	MIC, 3 pole dual key male/male brd 6'	**26.95**	ea	2	C		1	1	N
80907	**93P3P06B-09**	171	MIC, 3 pole dual key str. male/90d male brd 6'	**28.06**	ea	2	C		1	1	N
80778	**93P3P06B-99**	171	MIC, 3 pole dual key 90d male/90d male brd 6'	**27.90**	ea	2	C		1	1	N
80774	**93P3P12-99**	171	MIC, 3 pole dual key 90d male/90d male 12'	**25.18**	ea	2	C		1	1	N
80777	**93P3P12B-99**	171	MIC, 3 pole dual key 90d male/90d male brd 12'	**31.10**	ea	2	C		1	1	N
80858	**93P3P20**	169	MIC, 3 pole dual key male/male 20'	**28.29**	ea	2	C		1	1	N
80906	**93P3P20-09**	171	MIC, 3 pole dual key str. male/90d male 20'	**28.29**	ea	2	C		1	1	N
80776	**93P3P20-99**	171	MIC, 3 pole dual key 90d male/90d male 20'	**28.29**	ea	2	C		1	1	N
80860	**93P3P20B**	169	MIC, 3 pole dual key male/male brd 20'	**33.95**	ea	2	C		1	1	N
80908	**93P3P20B-09**	171	MIC, 3 pole dual key str. male/90d male brd 20'	**35.36**	ea	2	C		1	1	N
80779	**93P3P20B-99**	171	MIC, 3 pole dual key 90d male/90d male brd 20'	**35.36**	ea	2	C		1	1	N
80733	**93P3S06**	169	MIC, 3 pole dual key male/fem 6'	**22.46**	ea	2	C		1	1	N
80909	**93P3S06-09**	170	MIC, 3 pole dual key str. male/90d fem 6'	**22.45**	ea	2	C		1	1	N
80781	**93P3S06-99**	170	MIC, 3 pole dual key 90d male/90d fem 6'	**22.45**	ea	2	C		1	1	N
80736	**93P3S06B**	169	MIC, 3 pole dual key male/fem brd 6'	**25.42**	ea	2	C		1	1	N
80911	**93P3S06B-09**	170	MIC, 3 pole dual key str. male/90d fem brd 6'	**27.92**	ea	2	C		1	1	N
80784	**93P3S06B-99**	170	MIC, 3 pole dual key 90d male/90d fem brd 6'	**27.90**	ea	2	C		1	1	N
80732	**93P3S12**	169	MIC, 3 pole dual key male/fem 12'	**25.19**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80780	**93P3S12-99**	170	MIC, 3 pole dual key 90d male/90d fem 12'	**25.18**	ea	2	C		1	1	N
80735	**93P3S12B**	169	MIC, 3 pole dual key male/fem brd 12'	**31.10**	ea	2	C		1	1	N
80783	**93P3S12B-99**	170	MIC, 3 pole dual key 90d male/90d fem brd 12'	**31.10**	ea	2	C		1	1	N
80734	**93P3S20**	169	MIC, 3 pole dual key male/fem 20'	**28.29**	ea	2	C		1	1	N
80910	**93P3S20-09**	170	MIC, 3 pole dual key str. male/90d fem 20'	**28.29**	ea	2	C		1	1	N
80782	**93P3S20-99**	170	MIC, 3 pole dual key 90d male/90d fem 20'	**28.29**	ea	2	C		1	1	N
80737	**93P3S20B**	169	MIC, 3 pole dual key male/fem brd 20'	**35.00**	ea	2	C		1	1	N
80912	**93P3S20B-09**	170	MIC, 3 pole dual key str. male/90d fem brd 20'	**35.36**	ea	2	C		1	1	N
80785	**93P3S20B-99**	170	MIC, 3 pole dual key 90d male/90d fem brd 20'	**35.36**	ea	2	C		1	1	N
80615	**93S06**	168	MIC, 3 pole dual key fem str. 6'	**13.22**	ea	2	C		1	1	N, S
80685	**93S06-90**	168	MIC, 3 pole dual key 90d fem 6'	**13.52**	ea	2	C		1	1	N
80618	**93S06B**	168	MIC, 3 pole dual key fem str. brd 6'	**16.88**	ea	2	C		1	1	N
80688	**93S06B-90**	168	MIC, 3 pole dual key 90d fem brd 6'	**17.00**	ea	2	C		1	1	N
80614	**93S12**	168	MIC, 3 pole dual key fem str. 12'	**16.43**	ea	2	C		1	1	N
80684	**93S12-90**	168	MIC, 3 pole dual key 90d fem 12'	**16.56**	ea	2	C		1	1	N
80617	**93S12B**	168	MIC, 3 pole dual key fem str. brd 12'	**22.36**	ea	2	C		1	1	N
80687	**93S12B-90**	168	MIC, 3 pole dual key 90d fem brd 12'	**22.49**	ea	2	C		1	1	N
80616	**93S20**	168	MIC, 3 pole dual key fem str. 20'	**22.90**	ea	2	C		1	1	N, S
80686	**93S20-90**	168	MIC, 3 pole dual key 90d fem 20'	**22.86**	ea	2	C		1	1	N
80619	**93S20B**	168	MIC, 3 pole dual key fem str. brd 20'	**31.43**	ea	2	C		1	1	N
80689	**93S20B-90**	168	MIC, 3 pole dual key 90d fem brd 20'	**31.43**	ea	2	C		1	1	N
80913	**93S3P06-09**	170	MIC, 3 pole dual key str. fem/90d male 6'	**22.45**	ea	2	C		1	1	N
80915	**93S3P06B-09**	170	MIC, 3 pole dual key str. fem/90d male brd 6'	**27.92**	ea	2	C		1	1	N
80914	**93S3P20-09**	170	MIC, 3 pole dual key str. fem/90d male 20'	**28.29**	ea	2	C		1	1	N
80916	**93S3P20B-09**	170	MIC, 3 pole dual key str. fem/90d male brd 20'	**35.36**	ea	2	C		1	1	N
80861	**93S3S06**	169	MIC, 3 pole dual key fem/fem 6'	**22.45**	ea	2	C		1	1	N
80917	**93S3S06-09**	171	MIC, 3 pole dual key str. fem/90d fem 6'	**22.45**	ea	2	C		1	1	N
80787	**93S3S06-99**	171	MIC, 3 pole dual key 90d fem/90d fem 6'	**22.45**	ea	2	C		1	1	N
80863	**93S3S06B**	169	MIC, 3 pole dual key fem/fem brd 6'	**26.55**	ea	2	C		1	1	N
80919	**93S3S06B-09**	171	MIC, 3 pole dual key str. fem/90d fem brd 6'	**27.92**	ea	2	C		1	1	N
80790	**93S3S06B-99**	171	MIC, 3 pole dual key 90d fem/90d fem brd 6'	**27.90**	ea	2	C		1	1	N
80786	**93S3S12-99**	171	MIC, 3 pole dual key 90d fem/90d fem 12'	**25.18**	ea	2	C		1	1	N
80789	**93S3S12B-99**	171	MIC, 3 pole dual key 90d fem/90d fem brd 12'	**31.10**	ea	2	C		1	1	N
80862	**93S3S20**	169	MIC, 3 pole dual key fem/fem 20'	**28.29**	ea	2	C		1	1	N
80918	**93S3S20-09**	171	MIC, 3 pole dual key str. fem/90d fem 20'	**28.29**	ea	2	C		1	1	N
80788	**93S3S20-99**	171	MIC, 3 pole dual key 90d fem/90d fem 20'	**28.29**	ea	2	C		1	1	N
80864	**93S3S20B**	169	MIC, 3 pole dual key fem/fem brd 20'	**33.95**	ea	2	C		1	1	N
80920	**93S3S20B-09**	171	MIC, 3 pole dual key str. fem/90d fem brd 20'	**35.36**	ea	2	C	4	1	1	N
80791	**93S3S20B-99**	171	MIC, 3 pole dual key 90d fem/90d fem brd 20'	**35.36**	ea	2	C	4	1	1	N
56700	**9425**	29	# 9, 100W clsd-end grd, no refl, 25' #16/3 w/plug	**87.97**	ea	2	B	4	12	1	
59129	**9425-GF**	29	# 9, 100W clsd-end grd, no refl, 25' #16/3 w/ in-line GFCI & plug	**127.80**	ea	2	B	4.17	12	1	
59130	**9425-GP**	29	# 9, 100W clsd-end grd, no refl, 25' #16/3 w/ plug GFCI	**118.15**	ea	2	B	4.25	12	1	
56701	**9425-R**	29	# 9, 100W clsd-end grd, w/ refl, 25' #16/3 w/plug	**89.94**	ea	2	B	4.25	12	1	
59131	**9425-RGF**	29	# 9, 100W clsd-end grd, refl, 25' #16/3 w/ in-line GFCI & plug	**129.77**	ea	2	B		12	1	
59132	**9425-RGP**	29	# 9, 100W clsd-end grd, refl, 25' #16/3 w/plug GFCI	**120.12**	ea	2	B	4.17 4	12	1	
56704	**9425-RS**	29	# 9 w/ swtch, 100W clsd-end grd, w/ refl, 25' #16/3 w/plug	**94.17**	ea	2	B	1.77	12	1	S
56705	**9425-S**	29	# 9 w/ swtch, 100W clsd-end grd, no refl, 25' #16/3 w/plug	**92.71**	ea	2	B	1.83	12	1	
55400	**944**	29	# 9 100W clsd-end grd, no refl no swtch	**38.64**	ea	2	B	1.83	30	6	
55401	**944-I**	29	Same as 944, w/insulated guard	**48.53**	ea	2	B	1.9	30	6	
55403	**944-R**	29	Same as 944, w/ refl	**40.71**	ea	2	B	1.9	30	6	
55402	**944-RI**	29	Same as 944-R, w/insulated guard	**52.96**	ea	2	B	2	30	6	
55404	**944-RS**	29	Same as 944-R, w/ swtch	**45.69**	ea	2	B	1.8	30	6	
55405	**944-RSI**	29	Same as 944-RS, w/insulated guard	**57.93**	ea	2	B		30	6	
55406	**944-S**	29	Same as 944, w/ swtch	**42.80**	ea	2	B	1.9 6.67	30	6	
55407	**944-SI**	29	Same as 944-S, w/insulated guard	**52.48**	ea	2	B	6	30	6	
56702	**9450**	29	# 9, 100W clsd-end grd, no refl, 50' #16/3 w/plug	**111.73**	ea	2	B	6	12	1	
59133	**9450-GF**	29	# 9, 100W clsd-end grd, no refl, 50' #16/3 w/ in-line GFCI & plug	**151.56**	ea	2	B	6.75	12	1	
59134	**9450-GP**	29	# 9, 100W clsd-end grd, no refl, 50' #16/3 w/ plug GFCI	**141.91**	ea	2	B	6	12	1	
56703	**9450-R**	29	# 9, 100W clsd-end grd, w/ refl, 50" #16/3 w/plug	**113.70**	ea	2	B	6	12	1	

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000
Supersedes Distributor Net Price Sheet
No. 36 Dated May 15,1997

Symbol legend:
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UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
59135	**9450-RGF**	29	9 hand, 100W clsd-end grd, refl, 50' #16/3 w/ in-line GFCI & plug	**153.53**	ea	2	B	7	12	1	
59136	**9450-RGP**	29	9 hand, 100W clsd-end grd, refl, 50' #16/3 w/plug GFCI	**143.88**	ea	2	B	6.75	12	1	
56706	**9450-RS**	29	9 hand w/ swtch, 100W clsd-end grd, w/ refl, 50" #16/3 w/plug	**118.44**	ea	2	B		12	1	
56707	**9450-S**	29	9 hand w/ swtch, 100W clsd-end grd, no refl, 50" #16/3 w/plug	**116.47**	ea	2	B	1.53 1.57	12	1	
55500	**947**	29	#9 hand 100/150W open-end grd, no refl no swtch	**40.71**	ea	2	B	1.57	30	6	
55501	**947-I**	29	Same as 947, w/insulated guard	**50.06**	ea	2	B	1.6	30	6	
55502	**947-R**	29	Same as 947, w/ refl	**44.39**	ea	2	B	1.6	30	6	
55507	**947-RI**	29	Same as 947-R, w/insulated guard	**55.57**	ea	2	B	1.67	30	6	
55503	**947-RS**	29	Same as 947-R, w/ swtch	**49.36**	ea	2	B	1.6	30	6	
55504	**947-RSI**	29	Same as 947-RS, w/insulated guard	**59.39**	ea	2	B	1.6	30	6	
55505	**947-S**	29	Same as 947, w/ swtch	**45.69**	ea	2	B		30	6	
55506	**947-SI**	29	Same as 947-S, w/insulated guard	**55.03**	ea	2	B		30	6	
80621	**94P06**	168	MIC, 4 pole dual key male plug str. 6'	**16.38**	ea	2	C		1	1	N, S
80691	**94P06-90**	168	MIC, 4 pole dual key 90d male 6'	**17.43**	ea	2	C		1	1	N
80624	**94P06B**	168	MIC, 4 pole dual key male plug str. brd 6'	**20.53**	ea	2	C		1	1	N
80694	**94P06B-90**	168	MIC, 4 pole dual key 90d male brd 6'	**20.69**	ea	2	C		1	1	N
80620	**94P12**	168	MIC, 4 pole dual key male plug str. 12'	**20.58**	ea	2	C		1	1	N
80690	**94P12-90**	168	MIC, 4 pole dual key 90d male 12'	**20.69**	ea	2	C		1	1	N
80623	**94P12B**	168	MIC, 4 pole dual key male plug str. brd 12'	**27.05**	ea	2	C		1	1	N
80693	**94P12B-90**	168	MIC, 4 pole dual key 90d male brd 12'	**27.20**	ea	2	C		1	1	N
80622	**94P20**	168	MIC, 4 pole dual key male plug str. 20'	**32.15**	ea	2	C		1	1	N, S
80692	**94P20-90**	168	MIC, 4 pole dual key 90d male 20'	**24.29**	ea	2	C		1	1	N
80625	**94P20B**	168	MIC, 4 pole dual key male plug str. brd 20'	**34.29**	ea	2	C		1	1	N
80695	**94P20B-90**	168	MIC, 4 pole dual key 90d male brd 20'	**34.29**	ea	2	C		1	1	N
80865	**94P4P06**	169	MIC, 4 pole dual key male/male 6'	**28.23**	ea	2	C		1	1	N
80921	**94P4P06-09**	171	MIC, 4 pole dual key str. male/90d male 6'	**28.23**	ea	2	C		1	1	N
80793	**94P4P06-99**	171	MIC, 4 pole dual key 90d male/90d male 6'	**28.23**	ea	2	C		1	1	N
80867	**94P4P06B**	169	MIC, 4 pole dual key male/male brd 6'	**38.00**	ea	2	C		1	1	N
80923	**94P4P06B-09**	171	MIC, 4 pole dual key str. male/90d male brd 6'	**35.29**	ea	2	C		1	1	N
80796	**94P4P06B-99**	171	MIC, 4 pole dual key 90d male/90d male brd 6'	**31.49**	ea	2	C		1	1	N
80792	**94P4P12-99**	171	MIC, 4 pole dual key 90d male/90d male 12'	**31.50**	ea	2	C		1	1	N
80795	**94P4P12B-99**	171	MIC, 4 pole dual key 90d male/90d male brd 12'	**38.02**	ea	2	C		1	1	N
80866	**94P4P20**	169	MIC, 4 pole dual key male/male 20'	**34.86**	ea	2	C		1	1	N
80922	**94P4P20-09**	171	MIC, 4 pole dual key str. male/90d male 20'	**34.86**	ea	2	C		1	1	N
80794	**94P4P20-99**	171	MIC, 4 pole dual key 90d male/90d male 20'	**34.86**	ea	2	C		1	1	N
80868	**94P4P20B**	169	MIC, 4 pole dual key male/male brd 20'	**43.15**	ea	2	C		1	1	N
80924	**94P4P20B-09**	171	MIC, 4 pole dual key str. male/90d male brd 20'	**43.58**	ea	2	C		1	1	N
80797	**94P4P20B-99**	171	MIC, 4 pole dual key 90d male/90d male brd 20'	**43.58**	ea	2	C		1	1	N
80739	**94P4S06**	169	MIC, 4 pole dual key male/fem 6'	**28.23**	ea	2	C		1	1	N
80925	**94P4S06-09**	170	MIC, 4 pole dual key str. male/90d fem 6'	**28.23**	ea	2	C		1	1	N
80799	**94P4S06-99**	170	MIC, 4 pole dual key 90d male/90d fem 6'	**28.23**	ea	2	C		1	1	N
80742	**94P4S06B**	169	MIC, 4 pole dual key male/fem brd 6'	**31.49**	ea	2	C		1	1	N
80927	**94P4S06B-09**	170	MIC, 4 pole dual key str. male/90d fem brd 6'	**35.29**	ea	2	C		1	1	N
80802	**94P4S06B-99**	170	MIC, 4 pole dual key 90d male/90d fem brd 6'	**31.49**	ea	2	C		1	1	N
80738	**94P4S12**	169	MIC, 4 pole dual key male/fem 12'	**31.49**	ea	2	C		1	1	N
80798	**94P4S12-99**	170	MIC, 4 pole dual key 90d male/90d fem 12'	**31.50**	ea	2	C		1	1	N
80741	**94P4S12B**	169	MIC, 4 pole dual key male/fem brd 12'	**38.00**	ea	2	C		1	1	N
80801	**94P4S12B-99**	170	MIC, 4 pole dual key 90d male/90d fem brd 12'	**38.02**	ea	2	C		1	1	N
80740	**94P4S20**	169	MIC, 4 pole dual key male/fem 20'	**34.86**	ea	2	C		1	1	N
80926	**94P4S20-09**	170	MIC, 4 pole dual key str. male/90d fem 20'	**34.86**	ea	2	C		1	1	N
80800	**94P4S20-99**	170	MIC, 4 pole dual key 90d male/90d fem 20'	**34.86**	ea	2	C		1	1	N
80743	**94P4S20B**	169	MIC, 4 pole dual key male/fem brd 20'	**43.15**	ea	2	C		1	1	N
80928	**94P4S20B-09**	170	MIC, 4 pole dual key str. male/90d fem brd 20'	**43.58**	ea	2	C		1	1	N
80803	**94P4S20B-99**	170	MIC, 4 pole dual key 90d male/90d fem brd 20'	**43.58**	ea	2	C		1	1	N
80627	**94S06**	168	MIC, 4 pole dual key fem str. 6'	**16.38**	ea	2	C		1	1	N, S
80697	**94S06-90**	168	MIC, 4 pole dual key 90d fem 6'	**17.42**	ea	2	C		1	1	N
80630	**94S06B**	168	MIC, 4 pole dual key fem str. brd 6'	**20.53**	ea	2	C		1	1	N
80700	**94S06B-90**	168	MIC, 4 pole dual key 90d fem brd 6'	**20.68**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80626	**94S12**	168	MIC, 4 pole dual key fem str. 12'	**20.58**	ea	2	C		1	1	N
80696	**94S12-90**	168	MIC, 4 pole dual key 90d fem 12'	**20.68**	ea	2	C		1	1	N
80629	**94S12B**	168	MIC, 4 pole dual key fem str. brd 12'	**27.05**	ea	2	C		1	1	N
80699	**94S12B-90**	168	MIC, 4 pole dual key 90d fem brd 12'	**27.19**	ea	2	C		1	1	N
80628	**94S20**	168	MIC, 4 pole dual key fem str. 20'	**32.15**	ea	2	C		1	1	N, S
80698	**94S20-90**	168	MIC, 4 pole dual key 90d fem 20'	**24.29**	ea	2	C		1	1	N
80631	**94S20B**	168	MIC, 4 pole dual key fem str. brd 20'	**34.29**	ea	2	C		1	1	N
80701	**94S20B-90**	168	MIC, 4 pole dual key 90d fem brd 20'	**34.29**	ea	2	C		1	1	N
80929	**94S4P06-09**	170	MIC, 4 pole dual key str. fem/90d male 6'	**28.23**	ea	2	C		1	1	N
80931	**94S4P06B-09**	170	MIC, 4 pole dual key str. fem/90d male brd 6'	**35.29**	ea	2	C		1	1	N
80930	**94S4P20-09**	170	MIC, 4 pole dual key str. fem/90d male 20'	**34.86**	ea	2	C		1	1	N
80932	**94S4P20B-09**	170	MIC, 4 pole dual key str. fem/90d male brd 20'	**43.58**	ea	2	C		1	1	N
80869	**94S4S06**	169	MIC, 4 pole dual key fem/fem 6'	**28.23**	ea	2	C		1	1	N
80933	**94S4S06-09**	171	MIC, 4 pole dual key str. fem/90d fem 6'	**28.23**	ea	2	C		1	1	N
80805	**94S4S06-99**	171	MIC, 4 pole dual key 90d fem/90d fem 6'	**28.23**	ea	2	C		1	1	N
80871	**94S4S06B**	169	MIC, 4 pole dual key fem/fem brd 6'	**38.00**	ea	2	C		1	1	N
80935	**94S4S06B-09**	171	MIC, 4 pole dual key str. fem/90d fem brd 6'	**35.29**	ea	2	C		1	1	N
80808	**94S4S06B-99**	171	MIC, 4 pole dual key 90d fem/90d fem brd 6'	**31.49**	ea	2	C		1	1	N
80804	**94S4S12-99**	171	MIC, 4 pole dual key 90d fem/90d fem 12'	**31.50**	ea	2	C		1	1	N
80807	**94S4S12B-99**	171	MIC, 4 pole dual key 90d fem/90d fem brd 12'	**38.02**	ea	2	C		1	1	N
80870	**94S4S20**	169	MIC, 4 pole dual key fem/fem 20'	**34.86**	ea	2	C		1	1	N
80934	**94S4S20-09**	171	MIC, 4 pole dual key str. fem/90d fem 20'	**34.86**	ea	2	C		1	1	N
80806	**94S4S20-99**	171	MIC, 4 pole dual key 90d fem/90d fem 20'	**34.86**	ea	2	C		1	1	N
80872	**94S4S20B**	169	MIC, 4 pole dual key fem/fem brd 20'	**43.15**	ea	2	C		1	1	N
80936	**94S4S20B-09**	171	MIC, 4 pole dual key str. fem/90d fem brd 20'	**43.58**	ea	2	C		1	1	N
80809	**94S4S20B-99**	171	MIC, 4 pole dual key 90d fem/90d fem brd 20'	**43.58**	ea	2	C		1	1	N
80633	**95P06**	168	MIC, 5 pole dual key male plug str. 6'	**24.75**	ea	2	C		1	1	N, S
80703	**95P06-90**	168	MIC, 5 pole dual key 90d male 6'	**26.16**	ea	2	C		1	1	N
80636	**95P06B**	168	MIC, 5 pole dual key male plug str. brd 6'	**29.85**	ea	2	C		1	1	N
80706	**95P06B-90**	168	MIC, 5 pole dual key 90d male brd 6'	**29.42**	ea	2	C		1	1	N
80632	**95P12**	168	MIC, 5 pole dual key male plug str. 12'	**30.55**	ea	2	C		1	1	N
80702	**95P12-90**	168	MIC, 5 pole dual key 90d male 12'	**30.12**	ea	2	C		1	1	N
80635	**95P12B**	168	MIC, 5 pole dual key male plug str. brd 12'	**37.06**	ea	2	C		1	1	N
80705	**95P12B-90**	168	MIC, 5 pole dual key 90d male brd 12'	**36.63**	ea	2	C		1	1	N
80634	**95P20**	168	MIC, 5 pole dual key male plug str. 20'	**40.59**	ea	2	C		1	1	N, S
80704	**95P20-90**	168	MIC, 5 pole dual key 90d male 20'	**36.58**	ea	2	C		1	1	N
80637	**95P20B**	168	MIC, 5 pole dual key male plug str. brd 20'	**37.15**	ea	2	C		1	1	N
80707	**95P20B-90**	168	MIC, 5 pole dual key 90d male brd 20'	**37.15**	ea	2	C		1	1	N
80873	**95P5P06**	169	MIC, 5 pole dual key male/male 6'	**43.10**	ea	2	C		1	1	N
80937	**95P5P06-09**	171	MIC, 5 pole dual key str. male/90d male 6'	**43.10**	ea	2	C		1	1	N
80811	**95P5P06-99**	171	MIC, 5 pole dual key 90d male/90d male 6'	**43.10**	ea	2	C		1	1	N
80875	**95P5P06B**	169	MIC, 5 pole dual key male/male brd 6'	**53.58**	ea	2	C		1	1	N
80939	**95P5P06B-09**	171	MIC, 5 pole dual key str. male/90d male brd 6'	**48.58**	ea	2	C		1	1	N
80814	**95P5P06B-99**	171	MIC, 5 pole dual key 90d male/90d male brd 6'	**48.58**	ea	2	C		1	1	N
80810	**95P5P12-99**	171	MIC, 5 pole dual key 90d male/90d male 12'	**47.06**	ea	2	C		1	1	N
80813	**95P5P12B-99**	171	MIC, 5 pole dual key 90d male/90d male brd 12'	**53.58**	ea	2	C		1	1	N
80874	**95P5P20**	169	MIC, 5 pole dual key male/male 20'	**52.00**	ea	2	C		1	1	N
80938	**95P5P20-09**	171	MIC, 5 pole dual key str. male/90d male 20'	**52.00**	ea	2	C		1	1	N
80812	**95P5P20-99**	171	MIC, 5 pole dual key 90d male/90d male 20'	**52.00**	ea	2	C		1	1	N
80876	**95P5P20B**	169	MIC, 5 pole dual key male/male brd 20'	**65.00**	ea	2	C		1	1	N
80940	**95P5P20B-09**	171	MIC, 5 pole dual key str. male/90d male brd 20'	**62.15**	ea	2	C		1	1	N
80815	**95P5P20B-99**	171	MIC, 5 pole dual key 90d male/90d male brd 20'	**62.15**	ea	2	C		1	1	N
80745	**95P5S06**	169	MIC, 5 pole dual key male/fem 6'	**43.10**	ea	2	C		1	1	N
80941	**95P5S06-09**	170	MIC, 5 pole dual key str. male/90d fem 6'	**43.10**	ea	2	C		1	1	N
80817	**95P5S06-99**	170	MIC, 5 pole dual key 90d male/90d fem 6'	**43.10**	ea	2	C		1	1	N
80748	**95P5S06B**	169	MIC, 5 pole dual key male/fem brd 6'	**46.36**	ea	2	C		1	1	N
80943	**95P5S06B-09**	170	MIC, 5 pole dual key str. male/90d fem brd 6'	**48.58**	ea	2	C		1	1	N
80820	**95P5S06B-99**	170	MIC, 5 pole dual key 90d male/90d fem brd 6'	**48.58**	ea	2	C		1	1	N
80744	**95P5S12**	169	MIC, 5 pole dual key male/fem 12'	**47.06**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item

S - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80816	**95P5S12-99**	170	MIC, 5 pole dual key 90d male/90d fem 12'	**47.06**	ea	2	C		1	1	N
80747	**95P5S12B**	169	MIC, 5 pole dual key male/fem brd 12'	**53.58**	ea	2	C		1	1	N
80819	**95P5S12B-99**	170	MIC, 5 pole dual key 90d male/90d fem brd 12'	**53.58**	ea	2	C		1	1	N
80746	**95P5S20**	169	MIC, 5 pole dual key male/fem 20'	**52.00**	ea	2	C		1	1	N
80942	**95P5S20-09**	170	MIC, 5 pole dual key str. male/90d fem 20'	**52.00**	ea	2	C		1	1	N
80818	**95P5S20-99**	170	MIC, 5 pole dual key 90d male/90d fem 20'	**52.00**	ea	2	C		1	1	N
80749	**95P5S20B**	169	MIC, 5 pole dual key male/fem brd 20'	**59.15**	ea	2	C		1	1	N
80944	**95P5S20B-09**	170	MIC, 5 pole dual key str. male/90d fem brd 20'	**62.15**	ea	2	C		1	1	N
80821	**95P5S20B-99**	170	MIC, 5 pole dual key 90d male/90d fem brd 20'	**62.15**	ea	2	C		1	1	N
80639	**95S06**	168	MIC, 5 pole dual key fem str. 6'	**24.75**	ea	2	C		1	1	N, S
80709	**95S06-90**	168	MIC, 5 pole dual key 90d fem 6'	**26.16**	ea	2	C		1	1	N
80642	**95S06B**	168	MIC, 5 pole dual key fem str. brd 6'	**29.85**	ea	2	C		1	1	N
80712	**95S06B-90**	168	MIC, 5 pole dual key 90d fem brd 6'	**29.42**	ea	2	C		1	1	N
80638	**95S12**	168	MIC, 5 pole dual key fem str. 12'	**30.55**	ea	2	C		1	1	N
80708	**95S12-90**	168	MIC, 5 pole dual key 90d fem 12'	**30.13**	ea	2	C		1	1	N
80641	**95S12B**	168	MIC, 5 pole dual key fem str. brd 12'	**37.06**	ea	2	C		1	1	N
80711	**95S12B-90**	168	MIC, 5 pole dual key 90d fem brd 12'	**36.65**	ea	2	C		1	1	N
80640	**95S20**	168	MIC, 5 pole dual key fem str. 20'	**40.59**	ea	2	C		1	1	N, S
80710	**95S20-90**	168	MIC, 5 pole dual key 90d fem 20'	**36.58**	ea	2	C		1	1	N
80643	**95S20B**	168	MIC, 5 pole dual key fem str. brd 20'	**37.15**	ea	2	C		1	1	N
80713	**95S20B-90**	168	MIC, 5 pole dual key 90d fem brd 20'	**37.15**	ea	2	C		1	1	N
80945	**95S5P06-09**	170	MIC, 5 pole dual key str. fem/90d male 6'	**43.10**	ea	2	C		1	1	N
80947	**95S5P06B-09**	170	MIC, 5 pole dual key str. fem/90d male brd 6'	**48.58**	ea	2	C		1	1	N
80946	**95S5P20-09**	170	MIC, 5 pole dual key str. fem/90d male 20'	**52.00**	ea	2	C		1	1	N
80948	**95S5P20B-09**	170	MIC, 5 pole dual key str. fem/90d male brd 20'	**62.15**	ea	2	C		1	1	N
80877	**95S5S06**	169	MIC, 5 pole dual key fem/fem 6'	**43.10**	ea	2	C		1	1	N
80949	**95S5S06-09**	171	MIC, 5 pole dual key str. fem/90d fem 6'	**43.10**	ea	2	C		1	1	N
80823	**95S5S06-99**	171	MIC, 5 pole dual key 90d fem/90d fem 6'	**43.10**	ea	2	C		1	1	N
80879	**95S5S06B**	169	MIC, 5 pole dual key fem/fem brd 6'	**53.58**	ea	2	C		1	1	N
80951	**95S5S06B-09**	171	MIC, 5 pole dual key str. fem/90d fem brd 6'	**48.58**	ea	2	C		1	1	N
80826	**95S5S06B-99**	171	MIC, 5 pole dual key 90d fem/90d fem brd 6'	**48.58**	ea	2	C		1	1	N
80822	**95S5S12-99**	171	MIC, 5 pole dual key 90d fem/90d fem 12'	**47.06**	ea	2	C		1	1	N
80825	**95S5S12B-99**	171	MIC, 5 pole dual key 90d fem/90d fem brd 12'	**53.58**	ea	2	C		1	1	N
80878	**95S5S20**	169	MIC, 5 pole dual key fem/fem 20'	**52.00**	ea	2	C		1	1	N
80950	**95S5S20-09**	171	MIC, 5 pole dual key str. fem/90d fem 20'	**52.00**	ea	2	C		1	1	N
80824	**95S5S20-99**	171	MIC, 5 pole dual key 90d fem/90d fem 20'	**52.00**	ea	2	C		1	1	N
80880	**95S5S20B**	169	MIC, 5 pole dual key fem/fem brd 20'	**65.00**	ea	2	C		1	1	N
80952	**95S5S20B-09**	171	MIC, 5 pole dual key str. fem/90d fem brd 20'	**62.15**	ea	2	C		1	1	N
80827	**95S5S20B-99**	171	MIC, 5 pole dual key 90d fem/90d fem brd 20'	**62.15**	ea	2	C		1	1	N
80645	**96P06**	168	MIC, 6 pole dual key male plug str. 6'	**29.93**	ea	2	C		1	1	N
80715	**96P06-90**	168	MIC, 6 pole dual key 90d male 6'	**29.50**	ea	2	C		1	1	N
80648	**96P06B**	168	MIC, 6 pole dual key male plug str. brd 6'	**34.62**	ea	2	C		1	1	N
80718	**96P06B-90**	168	MIC, 6 pole dual key 90d male brd 6'	**32.76**	ea	2	C		1	1	N
80644	**96P12**	168	MIC, 6 pole dual key male plug str. 12'	**34.55**	ea	2	C		1	1	N
80714	**96P12-90**	168	MIC, 6 pole dual key 90d male 12'	**34.12**	ea	2	C		1	1	N
80647	**96P12B**	168	MIC, 6 pole dual key male plug str. brd 12'	**41.06**	ea	2	C		1	1	N
80717	**96P12B-90**	168	MIC, 6 pole dual key 90d male brd 12'	**40.63**	ea	2	C		1	1	N
80646	**96P20**	168	MIC, 6 pole dual key male plug str. 20'	**37.15**	ea	2	C		1	1	N
80716	**96P20-90**	168	MIC, 6 pole dual key 90d male 20'	**39.43**	ea	2	C		1	1	N
80649	**96P20B**	168	MIC, 6 pole dual key male plug str. brd 20'	**42.86**	ea	2	C		1	1	N
80719	**96P20B-90**	168	MIC, 6 pole dual key 90d male brd 20'	**42.86**	ea	2	C		1	1	N
80881	**96P6P06**	169	MIC, 6 pole dual key male/male 6'	**48.56**	ea	2	C		1	1	N
80953	**96P6P06-09**	171	MIC, 6 pole dual key str. male/90d male 6'	**48.56**	ea	2	C		1	1	N
80829	**96P6P06-99**	171	MIC, 6 pole dual key 90d male/90d male 6'	**48.56**	ea	2	C		1	1	N
80883	**96P6P06B**	169	MIC, 6 pole dual key male/male brd 6'	**52.15**	ea	2	C		1	1	N
80955	**96P6P06B-09**	171	MIC, 6 pole dual key str. male/90d male brd 6'	**55.00**	ea	2	C		1	1	N
80832	**96P6P06B-99**	171	MIC, 6 pole dual key 90d male/90d male brd 6'	**55.00**	ea	2	C		1	1	N
80828	**96P6P12-99**	171	MIC, 6 pole dual key 90d male/90d male 12'	**53.19**	ea	2	C		1	1	N

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Suggested Resale Price Sheet No. 37

Effective Date: June 15, 2000

Supersedes Distributor Net Price Sheet No. 36 Dated May 15,1997

Symbol legend:

N - New Item **S** - Normally stock item

UPC Item No.	Catalog Number	Catalog M-2000 Page	Description	Suggested Resale Price	Price UM	Price Code	Item Code	Weight Each lbs.	Standard Ctn.	Standard Pkg.	Symbol N/S
Suggested Resale Price Sheet No. 37											
80831	**96P6P12B-99**	171	MIC, 6 pole dual key 90d male/90d male brd 12'	**59.70**	ea	2	C		1	1	N
80882	**96P6P20**	169	MIC, 6 pole dual key male/male 20'	**59.72**	ea	2	C		1	1	N
80954	**96P6P20-09**	171	MIC, 6 pole dual key str. male/90d male 20'	**59.72**	ea	2	C		1	1	N
80830	**96P6P20-99**	171	MIC, 6 pole dual key 90d male/90d male 20'	**59.72**	ea	2	C		1	1	N
80884	**96P6P20B**	169	MIC, 6 pole dual key male/male brd 20'	**70.58**	ea	2	C		1	1	N
80956	**96P6P20B-09**	171	MIC, 6 pole dual key str. male/90d male brd 20'	**72.15**	ea	2	C		1	1	N
80833	**96P6P20B-99**	171	MIC, 6 pole dual key 90d male/90d male brd 20'	**72.15**	ea	2	C		1	1	N
80751	**96P6S06**	169	MIC, 6 pole dual key male/fem 6'	**48.58**	ea	2	C		1	1	N
80957	**96P6S06-09**	170	MIC, 6 pole dual key str. male/90d fem 6'	**48.56**	ea	2	C		1	1	N
80835	**96P6S06-99**	170	MIC, 6 pole dual key 90d male/90d fem 6'	**48.56**	ea	2	C		1	1	N
80754	**96P6S06B**	169	MIC, 6 pole dual key male/fem brd 6'	**52.15**	ea	2	C		1	1	N
80959	**96P6S06B-09**	170	MIC, 6 pole dual key str. male/90d fem brd 6'	**55.00**	ea	2	C		1	1	N
80838	**96P6S06B-99**	170	MIC, 6 pole dual key 90d male/90d fem brd 6'	**55.00**	ea	2	C		1	1	N
80750	**96P6S12**	169	MIC, 6 pole dual key male/fem 12'	**53.20**	ea	2	C		1	1	N
80834	**96P6S12-99**	170	MIC, 6 pole dual key 90d male/90d fem 12'	**53.19**	ea	2	C		1	1	N
80753	**96P6S12B**	169	MIC, 6 pole dual key male/fem brd 12'	**59.72**	ea	2	C		1	1	N
80837	**96P6S12B-99**	170	MIC, 6 pole dual key 90d male/90d fem brd 12'	**59.70**	ea	2	C		1	1	N
80752	**96P6S20**	169	MIC, 6 pole dual key male/fem 20'	**59.72**	ea	2	C		1	1	N
80958	**96P6S20-09**	170	MIC, 6 pole dual key str. male/90d fem 20'	**59.72**	ea	2	C		1	1	N
80836	**96P6S20-99**	170	MIC, 6 pole dual key 90d male/90d fem 20'	**59.72**	ea	2	C		1	1	N
80755	**96P6S20B**	169	MIC, 6 pole dual key male/fem brd 20'	**70.58**	ea	2	C		1	1	N
80960	**96P6S20B-09**	170	MIC, 6 pole dual key str. male/90d fem brd 20'	**72.15**	ea	2	C		1	1	N
80839	**96P6S20B-99**	170	MIC, 6 pole dual key 90d male/90d fem brd 20'	**72.15**	ea	2	C		1	1	N
80651	**96S06**	168	MIC, 6 pole dual key fem str. 6'	**29.93**	ea	2	C		1	1	N
80721	**96S06-90**	168	MIC,6 pole dual key 90d fem 6'	**29.50**	ea	2	C		1	1	N
80654	**96S06B**	168	MIC, 6 pole dual key fem str. brd 6'	**34.62**	ea	2	C		1	1	N
80724	**96S06B-90**	168	MIC,6 pole dual key 90d fem brd 6'	**32.76**	ea	2	C		1	1	N
80650	**96S12**	168	MIC, 6 pole dual key fem str. 12'	**34.55**	ea	2	C		1	1	N
80720	**96S12-90**	168	MIC, 6 pole dual key 90d fem 12'	**34.13**	ea	2	C		1	1	N
80653	**96S12B**	168	MIC, 6 pole dual key fem str. brd 12'	**41.06**	ea	2	C		1	1	N
80723	**96S12B-90**	168	MIC, 6 pole dual key 90d fem brd 12'	**40.65**	ea	2	C		1	1	N
80652	**96S20**	168	MIC, 6 pole dual key fem str. 20'	**37.15**	ea	2	C		1	1	N
80722	**96S20-90**	168	MIC, 6 pole dual key 90d fem 20'	**39.43**	ea	2	C		1	1	N
80655	**96S20B**	168	MIC, 6 pole dual key fem str. brd 20'	**42.86**	ea	2	C		1	1	N
80725	**96S20B-90**	168	MIC, 6 pole dual key 90d fem brd 20'	**42.86**	ea	2	C		1	1	N
80961	**96S6P06-09**	170	MIC, 6 pole dual key str. fem/90d male 6'	**48.56**	ea	2	C		1	1	N
80963	**96S6P06B-09**	170	MIC, 6 pole dual key str. fem/90d male brd 6'	**72.15**	ea	2	C		1	1	N
80962	**96S6P20-09**	170	MIC, 6 pole dual key str. fem/90d male 20'	**59.72**	ea	2	C		1	1	N
80885	**96S6S06**	169	MIC, 6 pole dual key fem/fem 6'	**48.56**	ea	2	C		1	1	N
80964	**96S6S06-09**	171	MIC, 6 pole dual key str. fem/90d fem 6'	**48.56**	ea	2	C		1	1	N
80841	**96S6S06-99**	171	MIC, 6 pole dual key 90d fem/90d fem 6'	**48.56**	ea	2	C		1	1	N
80887	**96S6S06B**	169	MIC, 6 pole dual key fem/fem brd 6'	**52.15**	ea	2	C		1	1	N
80965	**96S6S06B-09**	171	MIC, 6 pole dual key str. fem/90d fem brd 6'	**55.00**	ea	2	C		1	1	N
80844	**96S6S06B-99**	171	MIC, 6 pole dual key 90d fem/90d fem brd 6'	**55.00**	ea	2	C		1	1	N
80840	**96S6S12-99**	171	MIC, 6 pole dual key 90d fem/90d fem 12'	**53.19**	ea	2	C		1	1	N
80843	**96S6S12B-99**	171	MIC, 6 pole dual key 90d fem/90d fem brd 12'	**59.70**	ea	2	C		1	1	N
80886	**96S6S20**	169	MIC, 6 pole dual key fem/fem 20'	**59.72**	ea	2	C		1	1	N
80842	**96S6S20-99**	171	MIC, 6 pole dual key 90d fem/90d fem 20'	**59.72**	ea	2	C		1	1	N
80888	**96S6S20B**	169	MIC, 6 pole dual key fem/fem brd 20'	**70.58**	ea	2	C		1	1	N
80845	**96S6S20B-99**	171	MIC, 6 pole dual key 90d fem/90d fem brd 20'	**72.15**	ea	2	C		1	1	N

When you think electrical safety...

Think Ericson

Since 1918, Ericson has been a leader in the development and manufacture of safe electrical equipment for demanding environments. Our products include a wide range of heavy-duty plugs and connectors; portable ground fault circuit interrupters; portable power distribution products; and temporary lighting for use in industrial, construction and emergency applications. Together, these components provide complete solutions for safer workplaces. Whether you're working in general industrial maintenance, construction, confined spaces, hazardous locations, or wet and corrosive environments, Ericson can provide the products you need in order to comply with OSHA and NEC regulations.

For Over 8 Decades...

Ericson Manufacturing Company has been an industry leader that provides products for the safe use and management of temporary power. From our first rubber hand lamp in 1918 (and our patent on the dead-front-back-wired electric plug and connector in 1936) to our recent patents on portable ground fault circuit interrupters, Ericson has built our reputation on the highest quality, state-of-the-art electrical safety products in the industry.

Meeting the demands of the industry...

Ericson does not try to force standard products into special applications. Instead, we engineer and manufacture custom solutions for each client. We can meet the demands of virtually all temporary power applications, from general maintenance and confined space entry to hazardous location lighting, temporary power distribution and more.

Ericson's Continuous Quality Improvements directly benefit our customers. Our products undergo rigorous testing to ensure that they meet stringent quality standards. But our goal is to go one step further: to constantly improve so that we may not just meet, but consistently exceed your quality expectations.

Dedication to New Product Development...

Proving our intense commitment to product development and investment in R&D, Ericson Manufacturing recently introduced several new and improved product lines, including: the newly redesigned Construct-O-Lite® molded string lights that comply with NEC requirements for temporary lighting; Sol-Flare® metal halide lighting which provides improved color rendering over HPS lighting; our ever-expanding line of Ground-Guardian™ portable ground fault circuit interrupters that protect against fatal electric shocks; and our Perma-Grip™ plugs and connectors that have the industry exclusive cord grip that speeds field assembly. We developed each of these products based on feedback from contractors and maintenance professionals.

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(800) 444-2305 • **FAX:** 713-678-8517

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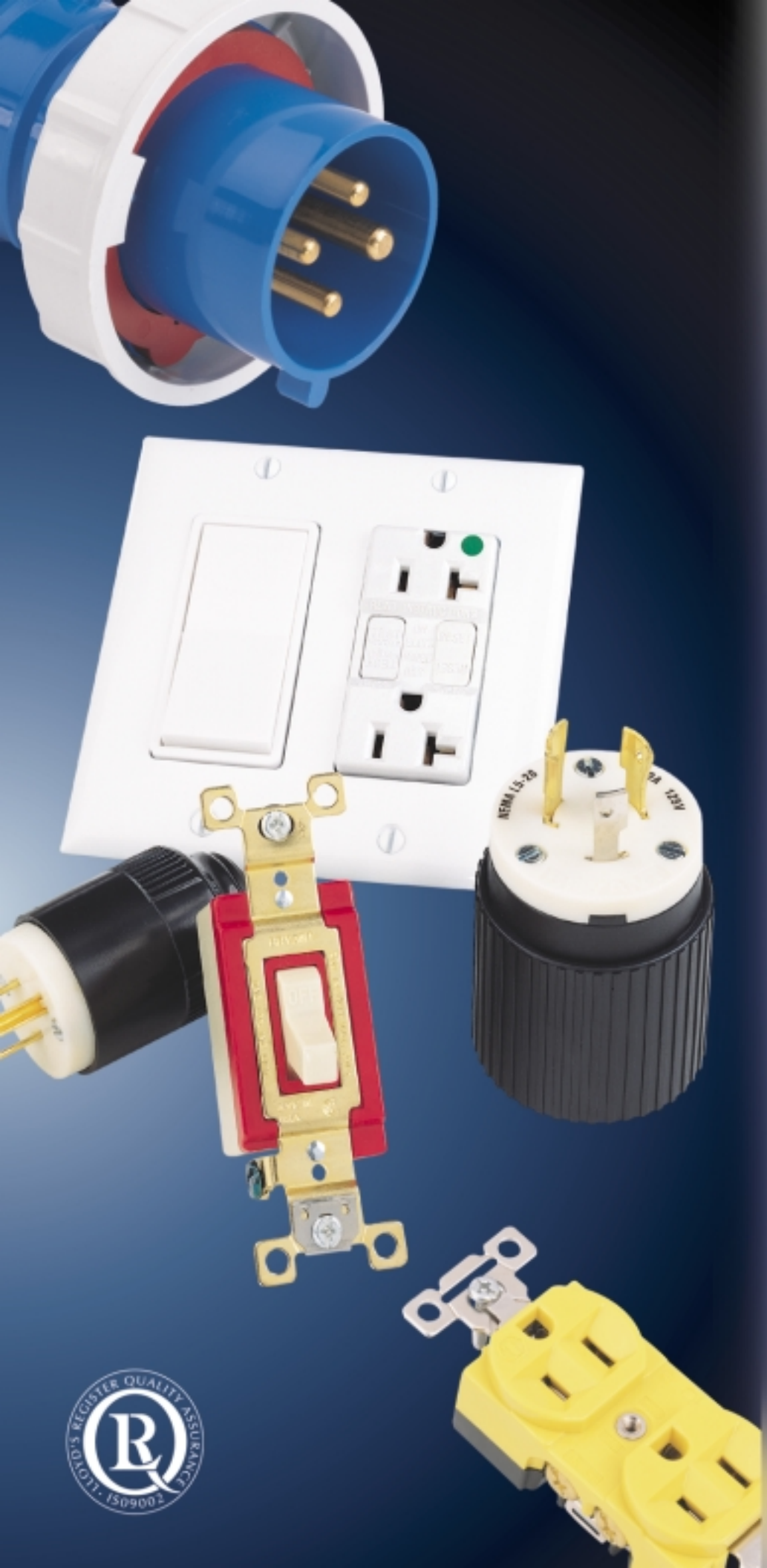

BRYANT®

To Operate:

Click the Navigational Pane button in the status bar or go to View / Bookmarks and Page in the upper menu. You will now see all the pages of the document. By clicking once on the page icons, you will be able to navigate the document quickly and easily.

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For A Preview of the 21st Century, Look At Bryant Today.

For many, 21st century technology is still beyond the horizon. At Bryant, it's just a page away. True to our century-old legacy of innovation, this edition of the Bryant Wiring Device Catalog features over 1,000 new catalog numbers to meet your needs for quality wiring devices today — and tomorrow.

These expanded offerings reflect the broader resources Bryant offers to you as a member of the Hubbell Electrical Products Platform. With the improved synergy from this multi-brand platform, Bryant brings new products to market faster and responds to your needs with 21st century efficiency.

World Class Quality and Worldwide Compatibility

The achievement of ISO 9002 registration propels Bryant into a new era of manufacturing excellence and enhanced global competitiveness. Registration is third party verification that Bryant wiring devices are produced in accordance with strict, internationally-accepted quality standards.

Along with ISO 9002 comes a demand for products with greater international compatibility. Bryant delivers with Pin & Sleeve devices designed to meet universal IEC 309-1 and IEC 309-2 and 1997 UL 1682 and 1686 requirements for safe, reliable performance in the world's most demanding environments. You'll find a wide selection of Watertight and Splashproof devices in our new I Section.

A Continuous Source of Evolutionary Ideas

At Bryant, we believe change is good, but evolution is better. Forerunners of our next generation of devices, today's improved locking plug and connector series offers a full spectrum of advanced features. From a new Triple-Gripper® cord grip to our EPDM dust seal, every element has been enhanced to simplify assembly, improve performance, and extend longevity. Look for the new Black/White design in Section G.

Our product family continues to evolve to include new lines such as our Cable Grip Wire Management Systems. You'll find hundreds of Strain Relief, Pulling, and Support Grips for every application you may require in our new N section.

New Lines of Communication

New gateways to communication are continuing to open at Bryant. You can now contact us for product information or ordering through a variety of methods. These include our nationwide (800) 323-2792 phone line, (800) 543-0543 FAX line, e-mail: bryant@connix.com, and our web page at http://www.bryant-electric.com. Why wait to see what the future will bring, when Bryant can show you today?

The following products are new to this edition of our full line catalog and are noted throughout this catalog with the symbol at right:

ALL PRODUCTS NEW

- **Push Button Switches**
- **Floor Boxes**
- **Portable Plug-In Ground Fault Receptacles**
- **Expanded line of Motion Switches**
- **Timers**
- **Redesigned line of Locking Plugs & Connectors**
- **Elastomeric Devices**
- **100/200 Amp Fused Disconnects**
- **NEMA 4x Box and Switch**
- **IEC Pin & Sleeve Devices**
- **Mechanical Interlocks**
- **Cable Grips**

BRYANT TRADEMARKS

Since 1888, Bryant Electric, Inc. has been a pioneer in the wiring device industry. And just as the Bryant name is recognized as a mark of quality, so are the trademarks we hold:

- **Bryant® Wiring Devices**
- **Tech-Spec® Devices**
- **GFR® Receptacles**
- **Studio-Tech® Devices**
- **C-Thru® Angle Plugs**
- **Safety Shutter® Receptacles**
- **Triple-Gripper® Plugs and Connectors**
- **Motion Switch® Occupancy Sensors**
- **Quadplex® Receptacles**
- **Circuit Watch™ Surge Suppression Devices**
- **Fashion Series™ 9000 Receptacles and Switches**
- **Plugbox™ Lockout Devices**

Look for these Bryant trademarks when you want a wiring device that offers the highest quality and value available on the market today.

If you have a unique application requiring a special wiring device, please contact the Bryant Product Department at 1-800-323-2792, FAX 1-800-543-0538.

How to use this catalog

This catalog contains up-to-date information on Bryant's full line of quality-designed wiring devices for industrial, commercial, institutional and OEM applications. We have designed it so that you can quickly and easily locate data on the devices you're seeking.

TABLE OF CONTENTS

Each section describes a specific product group, such as Switches (Section A), Straight Blade Devices (Section B), Hospital Grade Devices (Section C), etc.Table of Contents listings are color-coded and cross referenced to correspond with alphabetical section tabs. For easy location reference, colored tabs also include the page number.

PRODUCT INDEX

To further speed your selection, we have included an alphabetical Product Index immediately following the Table of Contents. This Index lists page numbers for specific devices. If, for example, you're seeking a Momentary Contact Switch, you can quickly find the page number under "Switches" in the Product Index.

HOW TO FIND PAGE NUMBERS

1) By Catalog Number of Device

If you have the Bryant catalog number for a device, you'll find the Section and page number in the Alphanumerical Index in Section P. Example: if you want the page number for 5266N, find the number in the alphanumerical listing, then check the right-hand column opposite the catalog number for the page number.

2) By Amperage/Voltage Rating or NEMA/ANSI Line Number

If you have the amperage/voltage or NEMA/ANSI number for a device, you can quickly find the page number by referring to the NEMA Configuration Charts on pages Q-1 and Q-2. See illustration below.

			15 AMPERE		20 AMPERE	
			RECEPTACLE	PLUG	RECEPTACLE	PLUG
2-POLE 3-WIRE GROUNDING	5	125V	B-7, 16, 28① 5-15R② C73.11③	B-16, 17, 28 5-15P C73.11	B-11,13,21-23 16,28 5-20R C73.12	B-16, 24, 28 5-20P C73.12
	6	250V	B-16, 18, 28 6-15R C73.20	B-16, 19, 28 6-15P C73.20	B-16, 25, 28 6-20R C73.51	B-16, 26, 28 6-20P C73.51
	7	277V AC	B-20 7-15R C73.28	B-20 7-15P C73.28	7-20R	7-20P

① Indicates page number where devices are located.
② NEMA Number
③ ANSI Number

GENERAL INFORMATION

No material will be accepted for return unless permission is granted in writing by Bryant. All orders received on special items are accepted as firm orders and are not subject to cancellation by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

All Bryant devices are UL Listed and CSA Certified unless otherwise indicated.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. This Company reserves the right to make changes from time to time, without notice, which may change the dimensions shown. We, therefore, recommend they be checked with us before using for product developments or prints.

The designs and dimensions of the products listed in this catalog, correct at the date of publication, are subject to change without notice.

This catalog is published solely for information purposes and should not be considered all-inclusive.

Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

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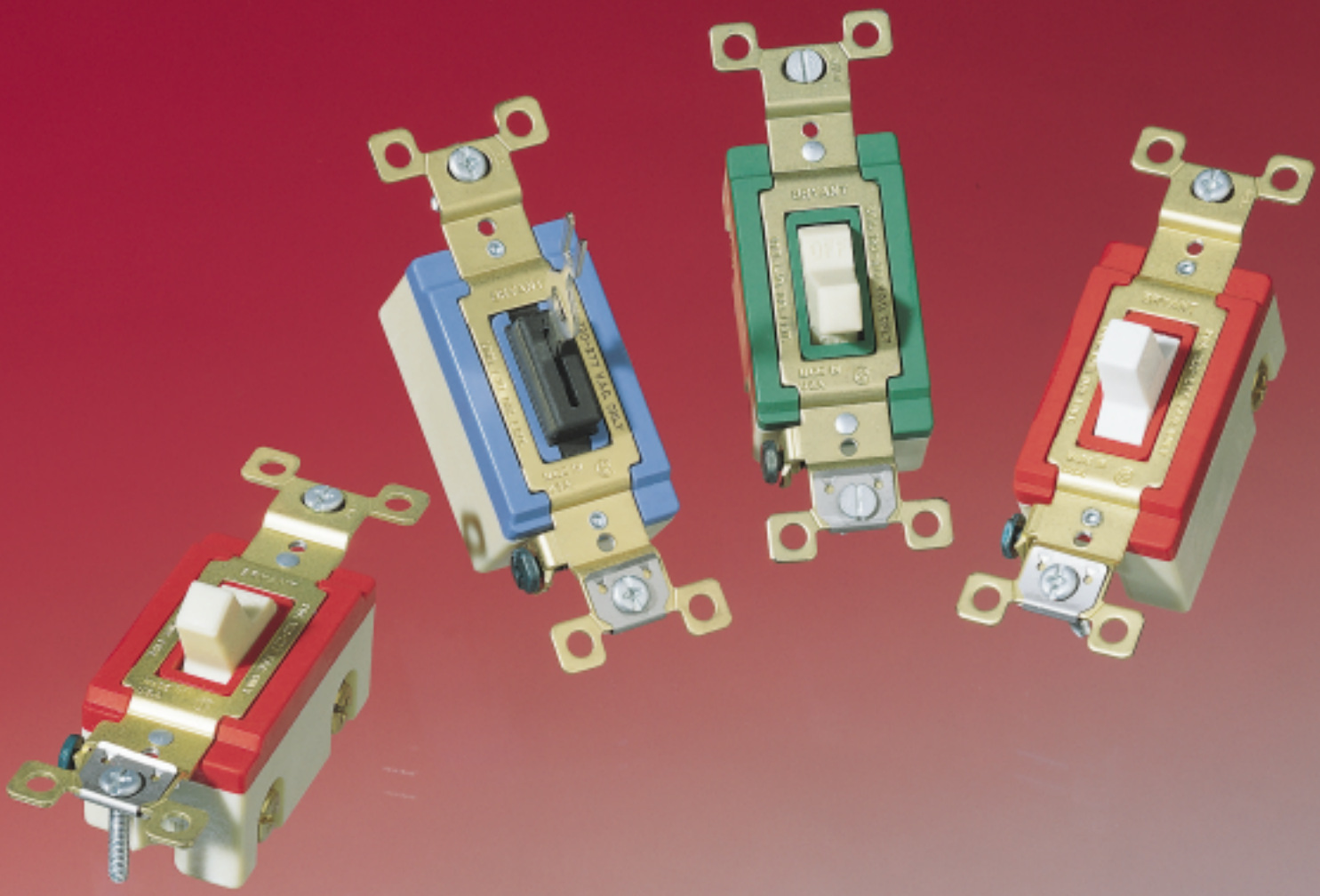
METRIC CONVERSION CHART

For your convenience, a Metric Conversion Chart can be found on page O-14.

PLEASE NOTE

All devices shown in this catalog are rated for use with copper or copper-clad wire only. NEMA Configurations shown are for female devices.



Section A

SWITCHES

Section A Index

SWITCHES

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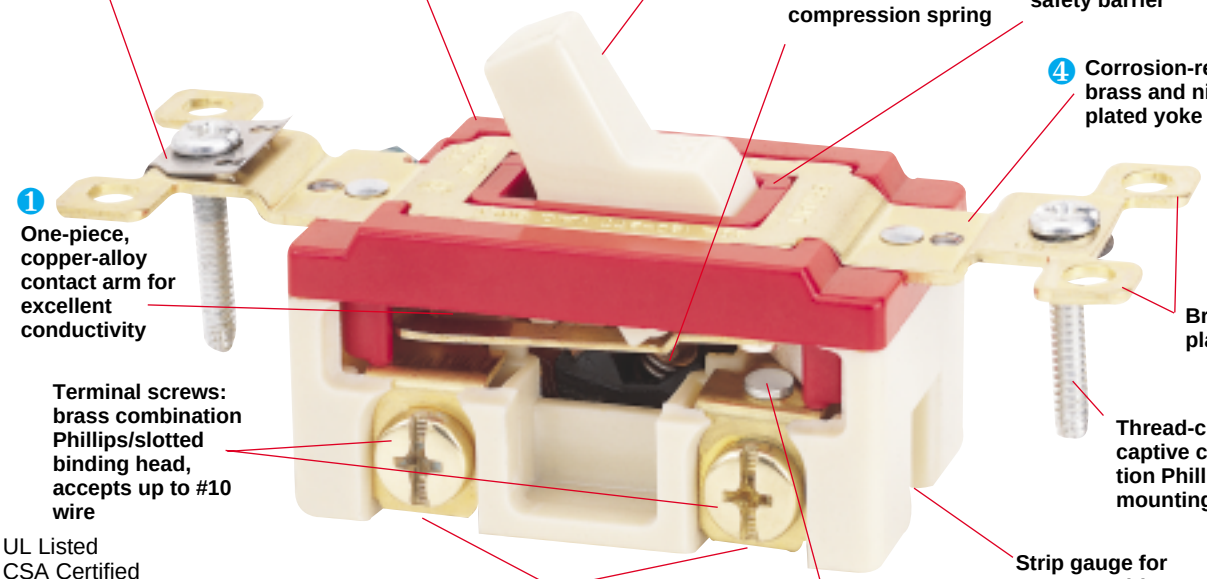
BRYANT

Product Features
TECH-SPEC® AC Quiet Switches
Industrial Grade



4 Dual grounding options; grounding terminal or stainless steel self-grounding clip

Color-coded face indicates ampere rating

2 Virtually unbreakable nylon toggle

3 Exclusive heavy-duty neoprene rocker with coil compression spring

Urea insulating safety barrier

4 Corrosion-resistant brass and nickel-plated yoke

1 One-piece, copper-alloy contact arm for excellent conductivity

Break-off plaster ears

Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire

Thread-cleaning captive combination Phillips/slotted mounting screws

Strip gauge for accurate wiring

Back wiring: each clamp-type terminal accepts two wires, avoiding the need to pigtail

Large silver cadmium oxide contacts

4901-I

UL Listed
CSA Certified
Complies with
NEMA Standards WD-1 and UL 20
Verified under Federal Specification
W-S 896-E (1P-2P-3W)
Horsepower rated

1

Rivetless one-piece contact arm and terminal provides superior conductivity; minimizes heat build up and prevents contact misalignment. Large silver cadmium oxide contacts, harder than fine silver, reduce contact wear for long life and excellent electrical conductivity.

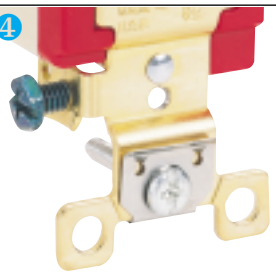
2

Nylon toggle is exceptionally rugged and resists chemical attack. Large size enhances the ease of operation. The toggle cam controls a fast "make" and slow "break" operation of the one-piece contact arm and neoprene rocker/spring assembly.

3

Exclusive neoprene rocker assures precise alignment of the high carbon steel coil compression spring and the permanently lubricated assembly will not weaken, even after thousands of operations.

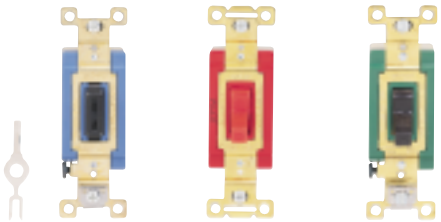
4



Heavy-duty yoke is extra wide to assure maximum strength and structural integrity of the switch body. Nickel and brass plating provides excellent corrosion resistance. Two grounding options; an integral grounding terminal and stainless steel self-grounding clip.

SUPER-SAFE DESIGN

The above design features characterize Bryant's full line of TECH-SPEC, quiet-action AC switches. All meet rigid Bryant standards for safety, quality, and durability; all are performance proven in industrial and commercial applications.



Color coded face indicates ampere rating

15 Amp Blue Face	20 Amp Red Face	30 Amp Green Face
4801-L	4901-PLR277	3003

AVAILABLE TYPES

- 15 amp, 20 amp, 30 amp 120-277 and 347V AC rating
- Single pole, double pole, 3-way and 4-way
- Momentary and maintained
- Pilot light and lighted handle
- Lock switches
- Ivory, white, gray, red, brown and black handles available

Product specifications appearing in the following section are subject to change without notice.

BRYANT

TECH·SPEC®

AC Switches - Single Pole and 3-Way
Industrial Grade 15 Amp, Back and Side Wired

4801-I

6006 4801-L

6801

Features - Specifications

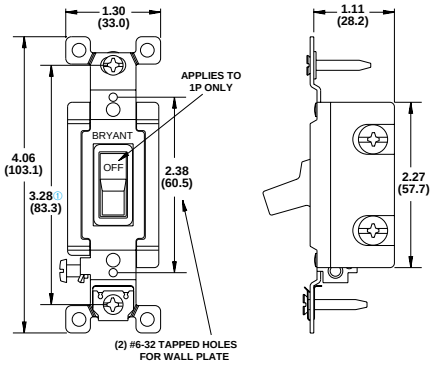
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- Virtually indestructible nylon toggle
- Extra wide yoke assures structural integrity, brass and nickel plating to resist corrosion
- Color coded face indicates ampere rating
- Silver cadmium oxide contacts
- Rivetless one-piece copper alloy contact arm for excellent conductivity
- Exclusive neoprene rocker and coil compression spring
- Back wiring: clamp-type terminals accept up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire
- Grounding connections – green, combination Phillips/slotted hex head screw and automatic ground clip
- Approved for CU wire only
- Urea insulating safety barrier
- Strip gauge for accurate back wiring
- Thread cleaning captive combination Phillips/slotted mounting screws
- Break-off plaster ears
- UL Listed File #E1464 – Guide #WMUZ
- Verified under Fed Spec. #W-S 896-E
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER		DESCRIPTION
15 AMP 120-277V AC	15 AMP 347V AC①②③	
4801	—	Single-pole, brown handle
4801-BLK	—	Single-pole, black handle
4801-C	6801	Single-pole, brown handle w/Robertson head screws
4801-GLI④	—	Single-pole, ivory glow handle
4801-GRY	—	Single-pole, gray handle
4801-I	—	Single-pole, ivory handle
4801-IC	6801-I	Single-pole, ivory handle w/Robertson head screws
4801-L	—	Single-pole, lock type
4801-LC	6801-L	Single-pole, lock type w/Robertson head screws
4801-PLR120⑤	—	Single-pole, red pilot handle, 120V
4801-PLR277⑤⑥	—	Single-pole, red pilot handle, 277V
4801-RED	—	Single-pole, red handle
4801-W	—	Single-pole, white handle
—	6801-W	Single-pole, white handle w/Robertson head screws
4803	—	3-way, brown handle
4803-BLK	—	3-way, black handle
4803-C	6803	3-way, brown handle w/Robertson head screws
4803-GLI④	—	3-way, ivory glow handle
4803-GRY	—	3-way, gray handle
4803-I	—	3-way, ivory handle
4803-IC	6803-I	3-way, ivory handle w/Robertson head screws
4803-L	—	3-way, lock type
4803-RED	—	3-way, red handle
4803-W	—	3-way, white handle
—	6803-W	3-way, white handle w/Robertson head screws
6006	—	Key supplied with lock switches

HORSEPOWER RATED

RATING	120V	240V	MAX
15 AMP	½ HP	2 HP	12 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



1P, 3W SWITCHES

① 3.53 (89.7) mounting dimension on 347 volt switches.
② Green hex head grounding screw only.
③ CSA certified only.
④ Glow on when switch is "off".
⑤ Pilot on when switch is "on".
⑥ To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Switches – Double Pole and 4-Way
Industrial Grade 15 Amp, Back and Side Wired

4802

6006 4802-L

4802-PLR277

Features - Specifications

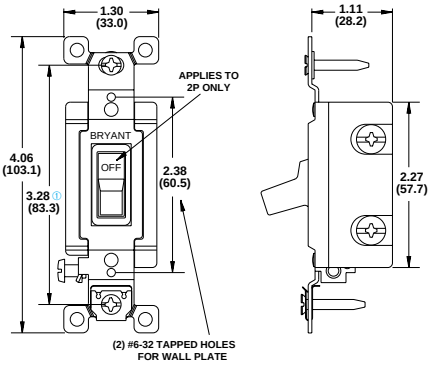
- Virtually indestructible nylon toggle
- Extra wide yoke assures structural integrity, brass and nickel plating to resist corrosion
- Color coded face indicates ampere rating
- Silver cadmium oxide contacts
- Rivetless one-piece copper alloy contact arm for excellent conductivity
- Exclusive neoprene rocker and coil compression spring
- Back wiring: clamp-type terminals accept up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire
- Approved for CU wire only
- Grounding connections – green,combination Phillips/slotted hex head screw and automatic ground clip
- Urea insulating safety barrier
- Strip gauge for accurate back wiring
- Thread cleaning captive combination Phillips/slotted mounting screws
- Break-off plaster ears
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- UL Listed File #E1464 – Guide #WMUZ
- Verified under Fed Spec. #W-S 896-E (2P)
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER		DESCRIPTION
15 AMP 120-277V AC	15 AMP 347V AC①②③	
4802	—	Double-pole, brown handle
4802-BLK	—	Double-pole, black handle
4802-C	6802	Double-pole, brown handle w/Robertson head screws
4802-GRY	—	Double-pole, gray handle
4802-I	—	Double-pole, ivory handle
4802-IC	6802-I	Double-pole, ivory handle w/Robertson head screws
4802-L	—	Double-pole, lock type
4802-PLR277④⑤	—	Double-pole, red pilot handle, 277V
4802-RED	—	Double-pole, red handle
4802-W	—	Double-pole, white handle
4804	—	4-way, brown handle
—	6804	4-way, brown handle w/Robertson head screws
4804-BLK	—	4-way, black handle
4804-GRY	—	4-way, gray handle
4804-I	—	4-way, ivory handle
—	6804-I	4-way, ivory handle w/Robertson head screws
4804-L	—	4-way, lock type
4804-RED	—	4-way, red handle
4804-W	—	4-way, white handle

HORSEPOWER RATED

RATING	120V	240V	MAX
15 AMP	½ HP	2 HP	12 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



2P, 4W SWITCHES

① 3.53 (89.7) mounting dimension on 347 volt switches.
② Green hex head grounding screw only.
③ CSA certified only.
④ Pilot on when switch is "on".
⑤ To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Switches - Single Pole and 3-Way
Industrial Grade 20 Amp, Back and Side Wired

4901-I

4903-GLI

6901

Features - Specifications

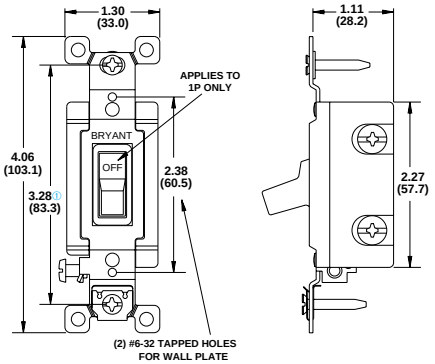
- Virtually indestructible nylon toggle
- Extra wide yoke assures structural integrity, brass and nickel plating to resist corrosion
- Color coded face indicates ampere rating
- Silver cadmium oxide contacts
- Rivetless one-piece copper alloy contact arm for excellent conductivity
- Exclusive neoprene rocker and coil compression spring
- Back wiring: clamp-type terminals accept up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire
- Grounding connections - green, combination Phillips/slotted hex head screw and automatic ground clip
- Approved for CU wire only
- Urea insulating safety barrier
- Strip gauge for accurate back wiring
- Thread cleaning captive combination Phillips/slotted mounting screws
- Break-off plaster ears
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- UL Listed File #E1464 – Guide #WMUZ
- Verified under Fed Spec. #W-S 896-E
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER		DESCRIPTION
20 AMP 120-277V AC	20 AMP 347V AC①②③	
4901	—	Single-pole, brown handle
4901-BLK	—	Single-pole, black handle
4901-C	6901	Single-pole, brown handle w/Robertson head screws
4901-GLC④	—	Single-pole, clear glow handle
4901-GLI④	—	Single-pole, ivory glow handle
4901-GRY	—	Single-pole, gray handle
4901-I	—	Single-pole, ivory handle
4901-IC	6901-I	Single-pole, ivory handle w/Robertson head screws
4901-L	—	Single-pole, lock type
4901-PLC120⑤	—	Single-pole, clear pilot handle, 120V
4901-PLC277⑤	—	Single-pole, clear pilot handle, 277V
4901-PLG120⑤	—	Single-pole, green pilot handle, 120V
4901-PLR120⑤	—	Single-pole, red pilot handle, 120V
4901-PLR277⑤	—	Single-pole, red pilot handle, 277V
4901-RED	—	Single-pole, red handle
4901-W	—	Single-pole, white handle
—	6901-W	Single-pole, white handle w/Robertson head screws
4903	—	3-way, brown handle
4903-BLK	—	3-way, black handle
—	6903	3-way, brown handle w/Robertson head screws
4903-GLC④	—	3-way, clear glow handle
4903-GLI④	—	3-way, ivory glow handle
4903-GRY	—	3-way, gray handle
4903-I	—	3-way, ivory handle
—	6903-I	3-way, ivory handle w/Robertson head screws
4903-L	—	3-way, lock type
4903-PLC120⑤	—	3-way, clear pilot handle, 120V
4903-PLG120⑤	—	3-way, green pilot handle, 120V
4903-PLR120⑤	—	3-way, red pilot handle, 120V
4903-PLR277⑤	—	3-way, red pilot handle, 277V
4903-RED	—	3-way, red handle
4903-W	—	3-way, white handle
—	6903-W	3-way, white handle w/Robertson head screws
6006	—	Key supplied with lock switches

HORSEPOWER RATED

RATING	20 AMP
120V	1 HP
240V	2 HP
MAX	16 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



1P, 3W SWITCHES

① 3.53 (89.7) mounting dimension on 347 volt switches.
② Green hex head grounding screw only.
③ CSA certified only.
④ Glow on when switch is "off".
⑤ Pilot on when switch is "on".

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Switches – Double Pole and 4-Way
Industrial Grade 20 Amp, Back and Side Wired

4902-PLR277

4904

6006 4904-L

Features - Specifications

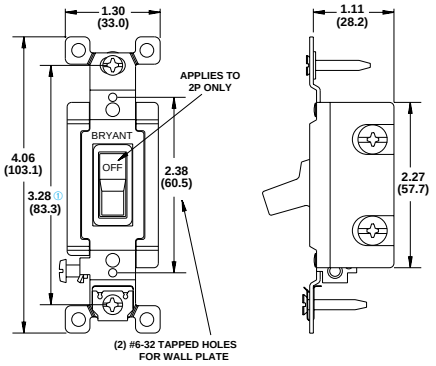
- Virtually indestructible nylon toggle
- Extra wide yoke assures structural integrity, brass and nickel plating to resist corrosion
- Color coded face indicates ampere rating
- Silver cadmium oxide contacts
- Rivetless one-piece copper alloy contact arm for excellent conductivity
- Exclusive neoprene rocker and coil compression spring
- Back wiring: clamp-type terminals accepts up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head, accept up to #10 wire
- Grounding connections – green, combination Phillips/slotted hex head screw and automatic ground clip
- Approved for CU wire only
- Urea insulating safety barrier
- Strip gauge for accurate back wiring
- Thread cleaning captive combination Phillips/slotted mounting screws
- Break-off plaster ears
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- UL Listed File #E1464 – Guide #WMUZ
- Verified under Fed Spec. #W-S 896-E (2P)
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER		DESCRIPTION
20 AMP 120-277V AC	20 AMP 347V AC①②	
4902	—	Double-pole, brown handle
4902-BLK	—	Double-pole, black handle
—	6902	Double-pole, brown handle w/Robertson head screws
4902-GRY	—	Double-pole, gray handle
4902-I	—	Double-pole, ivory handle
—	6902-I	Double-pole, ivory handle w/Robertson head screws
4902-L	—	Double-pole, lock type
4902-PLR120③	—	Double-pole, red pilot handle, 120V
4902-PLR277③	—	Double-pole, red pilot handle, 277V
4902-RED	—	Double-pole, red handle
4902-W	—	Double-pole, white handle
—	6902-W	Double-pole, white handle w/Robertson head screws
4904	—	4-way, brown handle
4904-BLK	—	4-way, black handle
4904-GRY	—	4-way, gray handle
—	6904	4-way, brown handle w/Robertson head screws
4904-I	—	4-way, ivory handle
—	6904-I	4-way, ivory handle w/Robertson head screws
4904-L	—	4-way, lock type
4904-RED	—	4-way, red handle
4904-W	—	4-way, white handle
—	6904-W	4-way, white handle w/Robertson head screws
6006	—	Key supplied with lock switches

HORSEPOWER RATED

RATING	120V	240V	MAX
20 AMP	1 HP	2 HP	16 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



2P, 4W SWITCHES

① 3.53 (89.7) mounting dimension on 347 volt switches.
② Green hex head grounding screw only.
③ Pilot on when switch is "on".

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Switches

Industrial Grade 30 Amp, Back and Side Wired

3001-BLK

3002-I

3003-RED

3001-PLR120

Features - Specifications

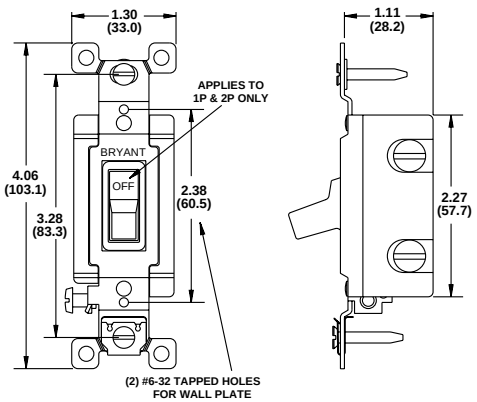
- Rugged nylon toggle
- Extra wide yoke assures structural integrity, brass and nickel plating to resist corrosion
- Color coded face indicates ampere rating
- Side wiring: large brass binding head screw terminals accepts up to #10 wire
- Back wiring: clamp-type terminals accept up to #10 wire
- Approved for CU wire only
- Silver cadmium oxide contacts
- Rivetless one-piece copper alloy contact arm for excellent conductivity
- Exclusive neoprene rocker and coil compression spring
- Urea insulating safety barrier
- Grounding connections – green hex head grounding screw and automatic ground clip
- Strip gauge for accurate back wiring
- Thread cleaning captive mounting screws
- Break-off plaster ears
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- UL Listed File #E1464 – Guide #WMUZ
- Verified under Fed Spec. #W-S 896-E
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER 30 AMP 120-277V AC	DESCRIPTION
3001	Single-pole, brown handle
3001-BLK②	Single-pole, black handle
3001-GLI①②	Single-pole, ivory glow handle
3001-GRY	Single-pole, gray handle
3001-I	Single-pole, ivory handle
3001-PLR120③	Single-pole, red pilot handle, 120V
3001-PLR277②③	Single-pole, red pilot handle, 277V
3001-RED②	Single-pole, red handle
3002-BRN	Double-pole, brown handle
3002-BLK②	Double-pole, black handle
3002-GRY	Double-pole, gray handle
3002-I	Double-pole, ivory handle
3002-PLR120③	Double-pole, red pilot handle, 120V
3002-PLR277③	Double-pole, red pilot handle, 277V
3002-RED②	Double-pole, red handle
3003-BRN	3-way, brown handle
3003-BLK②	3-way, black handle
3003-GLI①②	3-way, ivory glow handle
3003-GRY	3-way, gray handle
3003-I	3-way, ivory handle
3003-RED②	3-way, red handle

HORSEPOWER RATED

RATING	120V	240V	MAX
30 AMP	2 HP	2 HP	20 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① Glow on when switch is "off".
② To be discontinued when supplies are exhausted.
③ Pilot on when switch is "on".

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Switches

Maintained Contact, Industrial Grade, Back and Side Wired

6006 4822-L

4922

3025-BRN

Features - Specifications

- Rugged nylon toggle
- Positive switching action and "center off"
- Silver-alloy contacts
- Extra wide yoke assures structural integrity, brass and nickel plating to resist corrosion
- Break-off plaster ears
- Color coded face indicates ampere rating
- Back wiring: clamp-type terminals accept up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire①
- Grounding connections – green, combination Phillips/slotted hex head screw① and automatic ground clip
- Approved for CU wire only
- Thread cleaning captive combination Phillips/slotted mounting screws①
- Urea insulating safety barrier
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- UL Listed File #E1464 – Guide #WMUZ
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

THREE-POSITION TWO CIRCUIT MAINTAINED CONTACT "CENTER OFF"

CATALOG NUMBER			DESCRIPTION
15 AMP 120-277V AC	20 AMP 120-277V AC	30 AMP 120-277V AC	
BLUE FACE	RED FACE	GREEN FACE	
4822	4922	—	Single-pole, double throw, center off, brown
4822-I	4922-I	—	Single-pole, double throw, center off, ivory
—	4922-GRY	—	Single-pole, double throw, center off, gray
—	4922-W	—	Single-pole, double throw, center off, white
4822-L	—	—	Single-pole, double throw, center off, lock
4825	4925	3025-BRN	Double-pole, double throw, center off, brown
4825-I	4925-I	3025-I	Double-pole, double throw, center off, ivory
4825-L②	4925-L	—	Double-pole, double throw, center off, lock
—	4925-W	—	Double-pole, double throw, center off, white

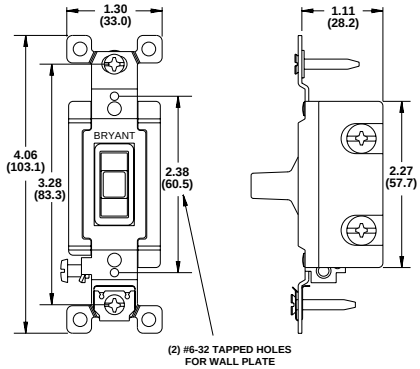
ACCESSORIES

CATALOG NUMBER	DESCRIPTION
6006	Key supplied with lock switches

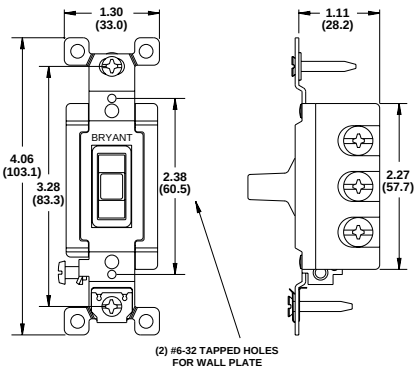
HORSEPOWER RATED

RATING	120V	240V	MAX
15 AMP	½ HP	2 HP	12 AMP
20 AMP	1 HP	2 HP	16 AMP
30 AMP	2 HP	2 HP	20 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



SINGLE-POLE, DOUBLE THROW SWITCHES



DOUBLE-POLE, DOUBLE THROW SWITCHES

① Except 3025 series.
② To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Switches

Momentary Contact, Industrial Grade, Back and Side Wired

4821-I

6006 4821-L

4921-I

Features - Specifications

- Rugged nylon toggle
- Silver-alloy contacts
- Extra wide yoke assures structural integrity, brass and nickel plating to resist corrosion
- Break-off plaster ears
- Color coded face indicates ampere rating
- Back wiring: clamp-type terminals accept up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire
- Approved for CU wire only
- Grounding connections – green, combination Phillips/slotted hex head screw and automatic ground clip
- Thread cleaning captive combination Phillips/slotted mounting screws
- Urea insulating safety barrier
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- UL Listed File #E1464 – Guide #WMUZ
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

THREE-POSITION, TWO-CIRCUIT MOMENTARY CONTACT "CENTER OFF"

CATALOG NUMBER		DESCRIPTION
15 AMP 120-277V AC	20 AMP 120-277V AC	
4821	4921	Single-pole, double throw, center off, brown
4821-I	4921-I	Single-pole, double throw, center off, ivory
4821-GRY	4921-GRY	Single-pole, double throw, center off, gray
—	4921-W	Single-pole, double throw, center off, white
4821-L	4921-L	Single-pole, double throw, center off, lock

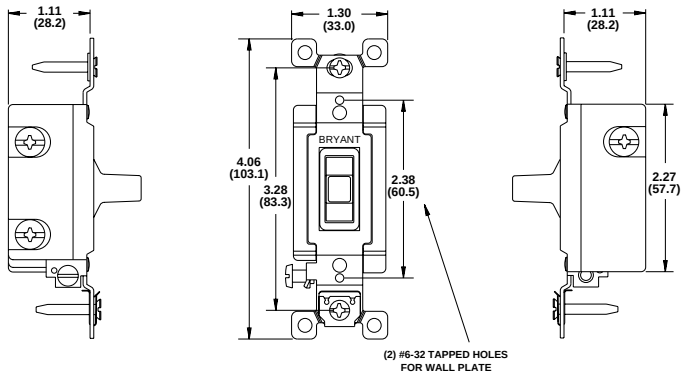
ACCESSORIES

CATALOG NUMBER	DESCRIPTION
6006	Key supplied with lock switches

HORSEPOWER RATED

RATING	120V	240V	MAX
15 AMP	½ HP	2 HP	12 AMP
20 AMP	1 HP	2 HP	16 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



SINGLE-POLE, DOUBLE THROW SWITCHES

Specifications are subject to change without notice.

BRYANT

AC Switches
Industrial Grade, Push Button & Toggle, Side Wired

1101-I

1122

1795-WP

4981

Features - Specifications

TOGGLE SWITCH

- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- Color coded face indicates ampere rating
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire
- Approved for CU only
- Exclusive neoprene rocker and coil compression spring
- Rugged nylon toggle
- Urea insulating safety barrier
- Thread cleaning captive combination Phillips/slotted mounting screws
- UL Listed File #E1464 – Guide #WMUZ
- Verified under Fed Spec. #W-S 896-E (1P-2P-3W)
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

PUSH BUTTON

- Rugged nylon push button
- Zinc plated steel yoke resists corrosion
- Base and face are molded from tough Rynite®
- Side wiring: large brass binding head terminal screws accept up #10 wire
- Approved for CU only
- UL listed control#28C2 (except where noted)
- CSA certified AP99881-5 (except where noted)
- NOM

TOGGLE SWITCHES

CATALOG NUMBER		DESCRIPTION
15A 120-277V AC	20A 120-277V AC	
BLUE FACE	RED FACE	
1101	1121	Single-pole, brown handle
—	1121-GRY	Single-pole, gray handle
1101-I	1121-I	Single-pole, ivory handle
—	1121-W	Single-pole, white handle
1102-BRN	1122	Double-pole, brown handle
—	1122-GRY	Double-pole, gray handle
1102-I	1122-I	Double-pole, ivory handle
—	1122-W	Double-pole, white handle
1103-BRN	1123	3-way, brown handle
—	1123-GRY	3-way, gray handle
1103-I	1123-I	3-way, ivory handle
—	1123-W	3-way, white handle
1104-BRN	1124-BRN	4-way, brown handle
—	1124-GRY	4-way, gray handle
1104-I	1124-I	4-way, ivory handle
—	1124-W	4-way, white handle

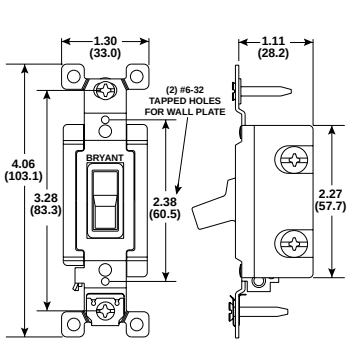
PUSH BUTTON SWITCHES

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
20A 120-277V AC		20A 120-277V AC	
4981	Single-pole, brown	4997-PLR	Single-pole, pilot light, red
4982	Two-pole, brown	4998-PLR①	Three-way, pilot light, red
4983①	Three-way, brown	4987-GLI	Single-pole, glow, ivory
4984①	Four-way, brown	4988-GLI①	Three-way, glow, ivory

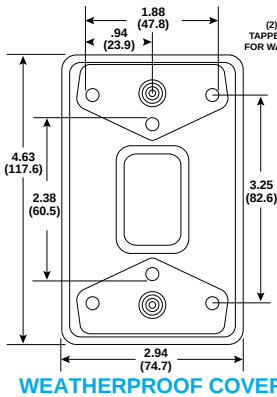
WEATHERPROOF COVER②

CATALOG NUMBER	DESCRIPTION
1795-WP③	Clear silicone rubber cover. Fits both FS/FD and standard boxes

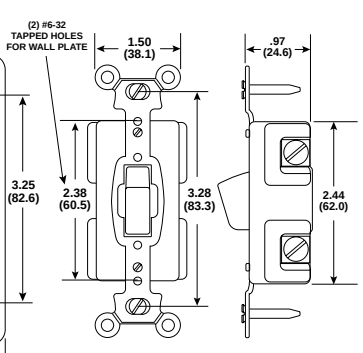
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



1P, 2P, 3W, 4W SWITCHES



WEATHERPROOF COVER



PUSH BUTTON SWITCH

① Not listed by UL or CSA certified.
② For use with all general purpose AC toggle and push button switches.
③ Not CSA certified.

Specifications are subject to change without notice.

BRYANT

AC Switches

Commercial Grade, Back and Side Wired
15 Amp 120-277V AC; 20 Amp 120-277V AC

CSB115-B

CSB315-B

CSB320-BWC Side

Features - Specifications

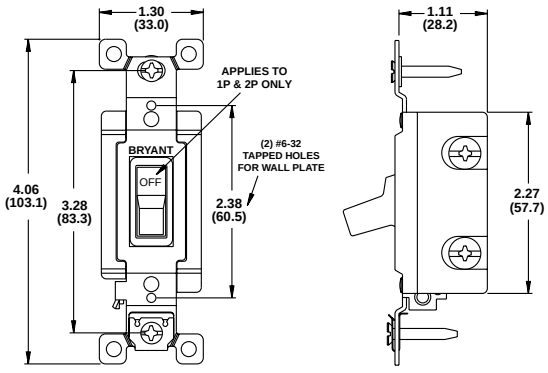
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- Back wiring: clamp-type terminals accept up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire
- Approved for CU wire only
- Silver cadmium oxide contacts
- Rivetless one-piece copper alloy contact arm for excellent conductivity
- Grounding connections – green, combination Phillips/slotted hex head screw and automatic ground clip
- Thread cleaning captive combination Phillips/slotted mounting screws
- Nylon toggle
- Break-off plaster ears
- UL Listed File #E1464 – Guide #WMUZ
- Verified under Fed Spec. #W-S 896-E (1P-2P-3W)
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER		DESCRIPTION
15A 120-277V AC	20A 120-277V AC	
CSB115-B	CSB120-B	Single-pole, brown handle
CSB115-BC	CSB120-BC	Single-pole, brown handle w/Robertson head screws
CSB115-BGRY	CSB120-BGRY	Single-pole, gray handle
CSB115-BGYC	CSB120-BGYC	Single-pole, gray handle w/Robertson head screws
CSB115-BI	CSB120-BI	Single-pole, ivory handle
CSB115-BIC	CSB120-BIC	Single-pole, ivory handle w/Robertson head screws
CSB115-BW	CSB120-BW	Single-pole, white handle
CSB115-BWC	CSB120-BWC	Single-pole, white handle w/Robertson head screws
—	CSB220-B	Double-pole, brown handle
—	CSB220-BC	Double pole, brown handle w/Robertson head screws
—	CSB220-BGRY	Double-pole, gray handle
—	CSB220-BGYC	Double pole, gray handle w/Robertson head screws
—	CSB220-BI	Double-pole, ivory handle
—	CSB220-BIC	Double-pole, ivory handle w/Robertson head screws
—	CSB220-BW	Double-pole, white handle
—	CSB220-BWC	Double pole, white handle w/Robertson head screws
CSB315-B	CSB320-B	3-way, brown handle
—	CSB320-BC	3-way, brown handle w/Robertson head screws
CSB315-BGRY	CSB320-BGRY	3-way, gray handle
—	CSB320-BGYC	3-way, gray handle w/Robertson head screws
CSB315-BI	CSB320-BI	3-way, ivory handle
—	CSB320-BIC	3-way, ivory handle w/Robertson head screws
CSB315-BW	CSB320-BW	3-way, white handle
—	CSB320-BWC	3-way, white handle w/Robertson head screws
—	CSB420-B	4-way, brown handle
—	CSB420-BC	4-way, brown handle w/Robertson head screws
—	CSB420-BGRY	4-way, gray handle
—	CSB420-BGYC	4-way, gray handle w/Robertson head screws
—	CSB420-BI	4-way, ivory handle
—	CSB420-BIC	4-way, ivory handle w/Robertson head screws
—	CSB420-BW	4-way, white handle
—	CSB420-BWC	4-way, white handle w/Robertson head screws

HORSEPOWER RATED

RATING	120V	240V	MAX
15 AMP	½ HP	2 HP	12 AMP
20 AMP	1 HP	2 HP	16 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



1P, 2P, 3W, 4W SWITCHES

Specifications are subject to change without notice.

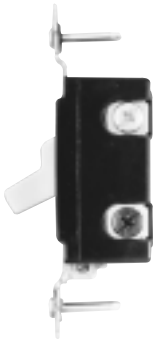
BRYANT

AC Switches
Commercial Grade
15 Amp 120-277V AC; 20 Amp 120-277V AC, Side Wired

CS115-B

CS315-BI

CS315-BIC



CS315-BIC Side

Features - Specifications

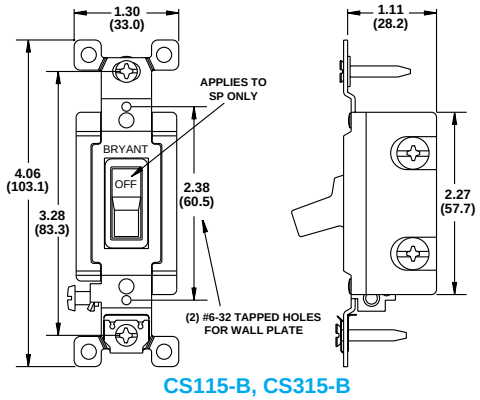
- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- Terminal screws: brass combination phillips/slotted binding head, accepts up to #10 wire
- Approved for CU wire only
- Integral green, combination phillips/slotted hex head grounding screw provided
- Thread cleaning captive combination phillips/slotted mounting screws
- Nylon toggle helps resist breakage
- Silver cadmium oxide contacts
- One-piece copper-alloy contact arm for excellent conductivity
- Neoprene rocker and coil compression spring for smooth, quiet action
- UL Listed File #E1464 – Guide #WMUZ
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER		DESCRIPTION
15 AMP 120-277V AC	20 AMP 120-277V AC	
CS115-B	CS120-B	Single-pole, brown handle
CS115-BLK	CS120-BLK	Single-pole, black handle
CS115-BGRY	CS120-BGRY	Single-pole, gray handle
CS115-BGRYC	CS120-BGRYC	Single-pole, gray handle w/Robertson head screws
CS115-BC	CS120-BC	Single-pole, brown handle w/Robertson head screws
CS115-BI	CS120-BI	Single-pole, ivory handle
CS115-BIC	CS120-BIC	Single-pole, ivory handle w/Robertson head screws
CS115-BW	CS120-BW	Single-pole, white handle
CS115-BWC	CS120-BWC	Single-pole, white handle w/Robertson head screws
CS315-B	CS320-B	3-way, brown handle
CS315-BLK	CS320-BLK	3-way, black handle
CS315-BGRY	CS320-BGRY	3-way, gray handle
CS315-BGRYC	—	3-way, gray handle w/Robertson head screws
CS315-BC	—	3-way, brown handle w/Robertson head screws
CS315-BI	CS320-BI	3-way, ivory handle
CS315-BIC	—	3-way, ivory handle w/Robertson head screws
CS315-BW	CS320-BW	3-way, white handle
CS315-BWC	—	3-way, white handle w/Robertson head screws

HORSEPOWER RATED

RATING	120V	240V	MAX
15 AMP	½ HP	2 HP	12 AMP
20 AMP	1 HP	2 HP	16 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



CS115-B, CS315-B

Specifications are subject to change without notice.

BRYANT

Combination Switch Devices

6400

6405

6406

6407

Features - Specifications

- AC – general use snap switches are designed for controlling as permitted by the N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- Side wiring: large brass binding head screw terminals accepts up to #10 wire
- Approved for CU wire only
- Terminal screws backed out and staked for fast, easy wiring
- Plaster cleaning captive mounting screws
- Break-off tab for two-circuit wiring
- Large green hex head grounding screw
- Break-off plaster ears
- Heavy-duty, rust-resistant yoke
- UL Listed File #E1464 – Guide #WMUZ (6400, 6401, 6402, 6405, 6408 Series)
- UL Listed File #E67206 – Guide #RUSZ (6404, 6406, 6407 Series)
- NOM

15A 120/277V AC SWITCH - SWITCH

CATALOG NUMBER	DESCRIPTION
6400 6400-I 6400-W	Two single-pole switches, brown Two single-pole switches, ivory Two single-pole switches, white
6401-BRN 6401-I	Single-pole and three-way switch, brown Single-pole and three-way switch, ivory
6402 6402-I	Two three-way switches, brown Two three-way switches, ivory

15A 120V AC SWITCH - PILOT LIGHT

CATALOG NUMBER	DESCRIPTION
6405-BRN① 6405-I	Single-pole switch, pilot light, brown Single-pole switch, pilot light, ivory
6408-I	Three-way switch, pilot light, ivory

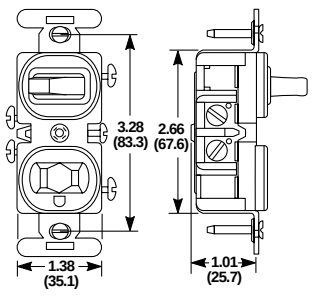
15A 120V AC SWITCH - RECEPTACLE

CATALOG NUMBER	DESCRIPTION
6404-BRN 6404-I 6404-W	Single-pole switch, 2-pole, 3-wire grounding receptacle, brown Single-pole switch, 2-pole, 3-wire grounding receptacle, ivory Single-pole switch, 2-pole, 3-wire grounding receptacle, white
6406 6406-I	Three-way switch, 2-pole, 3-wire grounding receptacle, brown Three-way switch, 2-pole, 3-wire grounding receptacle, ivory

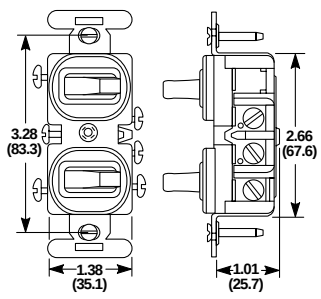
20A 120V AC SWITCH - RECEPTACLE

CATALOG NUMBER	DESCRIPTION
6407 6407-I	Single-pole switch, 2-pole, 3-wire grounding receptacle, brown Single-pole switch, 2-pole, 3-wire grounding receptacle, ivory

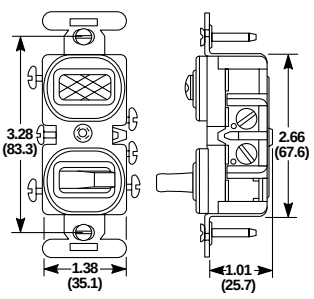
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



SWITCH - RECEPTACLE



SWITCH - SWITCH



SWITCH - PILOT LIGHT

① To be discontinued when supplies are exhausted.
Combination Devices accommodate standard duplex wall plates. Refer to Section M for more information.

Specifications are subject to change without notice.

BRYANT

Pilot Lights, Accessories and Miscellaneous Switches

48071-R

427

BSLD

746

3850

2968

4600-A

4600-B

Features - Specifications

NEON PILOT LIGHT
(48071 series)

- Fits standard switch plate opening
- Back wired, clamp-type terminal, side wired binding screw terminal
- Opal or red plastic jewels
- For 120 or 277V applications
- UL Listed File #E15016 – Guide #OOIX
- NOM

PILOT LIGHT
(427, 427-LL)

- Fits standard wall box
- For use with various plastic jewels mounted to wall plates
- UL Listed File #E1675 – Guide #OMFV
- NOM

COMPACT DESIGN
DOOR SWITCH

- Furnished with wire leads
- Galvanized box and cover
- UL Listed File #E1464 – Guide #WLFV
- NOM

SAFETY DOOR SWITCH

- For high-voltage enclosures
- Silver-plated contacts and screws
- Disconnects circuit when door opens
- NOM

TOGGLE SWITCH LOCKOUT
ACCOMMODATES:

- Single, double and three pole type toggle switches
- Two padlocks 5/16" (7.9 mm) shackle dia.
- NOM

NEON PILOT LIGHTS

CATALOG NUMBER	WATTS	DESCRIPTION
48071-O	1/25	Opal, plastic jewel, back and side wired
48071-R	1/25	Red, plastic jewel, back and side wired

INCANDESCENT PILOT LIGHT LAMPHOLDERS

CATALOG NUMBER	DESCRIPTION
427	Phenolic lampholder, with 6W 125V candelabra base lamp
427-LL	Phenolic lampholder, less lamp

TOGGLE SWITCH LOCKOUT

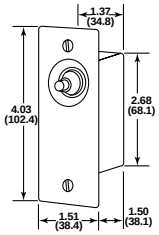
CATALOG NUMBER	DESCRIPTION
BSLD	Red, thermoplastic

PLASTIC JEWELS

CATALOG NUMBER	DESCRIPTION
746①	Rectangular, for standard switch plate opening, red
746GREEN①	Rectangular, for standard switch plate opening, green
3850①	Bullseye, for standard single receptacle plate opening, red

COMPACT DESIGN DOOR SWITCHES

CATALOG NUMBER 6 AMP 125V; 3 AMP 250V	DESCRIPTION
2968	"On" when door is open
2969	"Off" when door is open
1205-BRY①	Switch only, for Cat. No. 2968, complete with No. 18 wire leads and adjustable plunger
1206-BRY①	Switch only, for Cat. No. 2969, complete with No. 18 wire leads and adjustable plunger



2968/2969

SAFETY DOOR SWITCHES

CATALOG NUMBER 10 AMP 125V; 5 AMP 250V	DESCRIPTION
4600-A①	Plug portion
4600-B①	Receptacle portion

① Not listed by Underwriters' Laboratories, Inc. or CSA.

Specifications are subject to change without notice.

BRYANT

Specialty Type Switches, Canopy, Pull Chain, Push-Button, Rocker

6PCB11

6FS31

6RS11

6RS11R

6CRB11

6CPB11

6PS11WL

6PSM11

6PSM11NC

6PL

Features - Specifications

PULL CHAIN
- Plastic body and nipple
- Nipple ⅜" - 24" x 5/16" (7.9) long
- Aluminum knurled nut, brass or nickel finish
- UL recognized, CSA certified
- NOM

VARIABLE SPEED PULL CHAIN SWITCH
- Plastic body and nipple
- Brass knurled nut
- Nipple ⅜" - 24" x ⅜" (9.7) long
- UL recognized
- NOM

CANOPY
- Plastic body
- Steel locknut - brass finish
- Nipple ⅜" - 24" x ⅜" (9.7) long (6CRB11)
- Aluminum nipple, brass finish ⅜" - 27" x 9/32" (7.1) long (6CPB11)
- Brass finish knob and knurled nut
- UL recognized, CSA certified
- NOM

SNAP-IN ROCKER SWITCH
- Nylon body and rocker
- Polycarbonate rocker (6RS11R)
- Contacts – silver-plated copper-alloy
- .250 (6.4) quick connect tabs
- UL recognized, CSA certified
- NOM

PUSH-BUTTON SWITCH
- Plastic case
- Nickel-plated brass nipple, knurled nut, hex nut
- Silver-plated brass quick connect terminals (6PSM11NC)
- Nipple 15/32" - 32" x ½" (12.7) long
- UL recognized
- CSA certified (6PSM11-6PSM11NC)
- NOM

SNAP-IN DUAL LENS PILOT LIGHT
- White nylon body
- Polycarbonate lens
- UL recognized, CSA certified
- NOM

PULL CHAIN SWITCHES WITH WIRE LEADS (For Lamps and Ceiling Fixtures)
6 AMP 125V AC 3 AMP 250V AC 1 AMP 125VL

CATALOG NUMBER	SEQUENCE	DESCRIPTION	REMARKS
6PCB11	On-Off	SPST	Brass finish
6PCN11	On-Off	SPST	Nickel finish

VARIABLE SPEED PULL CHAIN SWITCHES (For Ceiling Fans)
6 AMP 125V AC 3 AMP 250V AC 1 AMP 125VL

6FS21	Off-On-On	2 Speed	Quickwire terminals
6FS31	Off-On-On-On	3 Speed	Quickwire terminals

SNAP-IN ROCKER SWITCHES (For Range Hoods, Appliances) 16 AMP NON IND 125/250V AC 1 HP 250V AC 1/2 HP 125V AC

6RS11	On-Off	SPST	
6RS11R	On-Off	SPST	Red lighted face

ROTARY CANOPY SWITCH (For Lamps and Appliances)
6 AMP 125V AC 3 AMP 250V AC 1 AMP 125VT

6CRB11	On-Off	SPST	6" (152.4) wire leads

MAINTAINED CONTACT PUSH-BUTTON CANOPY SWITCH (For Lamps and Appliances) 1 AMP 250V AC 3 AMP 125VT

6CPB11	On-Off	SPST	6" (152.4) wire leads

MAINTAINED CONTACT PUSH-BUTTON SWITCH (For Lamps and Appliances)
4 AMP 250V 8 AMP 125V 10 AMP 125V AC 1/3 HP 125V AC

6PS11WL	On-Off	SPST	6" (152.4) wire leads

MOMENTARY CONTACT PUSH-BUTTON SWITCH (For Bells and Buzzers)
3 AMP 240V AC 6 AMP 120V AC

6PSM11	Normally Off	SPST	Brass screw terminals

MOMENTARY CONTACT PUSH-BUTTON SWITCH (For Test & Emergency Equip.)
1 AMP 277V AC 2 AMP 120V AC

6PSM11NC	Normally On	SPST	Quick connect terminals

SNAP-IN PILOT LIGHT WITH WIRE LEADS (For Panel Indicator Lights)

CATALOG NUMBER	BULB	LENS
6PL	125V Neon	(1) Amber (1) Red

All wire leads are #18 AWG 105° AWM 6" (152.4) long stripped ½" (12.7).

Specifications are subject to change without notice.

BRYANT

Specialty Type Switches
Toggle

6TS11

6TS11-P

6TS22-3

6TSWL6

6TS118

6TS11-3

6TB

Features - Specifications

- Impact-resistant thermoplastic body
- Silver cadmium oxide contacts
- Knurled nut, hex nut and strap all nickel-plated
- Keyed brass bushing
- 6-32 screw-type terminals
- Nickel-plated brass toggle
- Leads are 6" (152.4) long #18, 105 degree C stripped ½" (12.7) (6TSWL6)
- Suitable for 12V DC use at rated amperage
- UL recognized and CSA certified
- NOM

Applications

- Industrial
- Electronic instruments
- Automotive/marine equipment
- Power tools
- Home appliances
- Emergency lighting
- Vending machines

EXTRA HEAVY-DUTY BAT HANDLE TOGGLE SWITCHES
1½ HP 125-250V AC 10 AMP 250V AC 20 AMP 125V AC

CAT. NO.	SEQUENCE	DESCRIPTION
6TS21	On-Off	DPST
6TS22	On-On	DPDT
6TS22-3	On-Off-On	DPDT

HEAVY-DUTY BAT HANDLE TOGGLE SWITCHES
¾ HP 125-250V AC 10 AMP 250V AC 20 AMP 125V AC

6TS11	On-Off	SPST
6TS12	On-On	SPDT
6TS123	On-Off-On	SPDT

HEAVY-DUTY NYLON HANDLE TOGGLE SWITCHES
10 AMP 250V AC 20 AMP 125V AC

6TS11-P	On-Off	SPST
6TS22-3P	On-Off-On	DPDT

MEDIUM DUTY BAT HANDLE TOGGLE SWITCH
10 AMP 250V AC 15 AMP 125V AC

6TS118	On-Off	SPST

MEDIUM DUTY BAT HANDLE TOGGLE SWITCH WITH WIRE LEADS
4 AMP 250V 8 AMP 125V 10 AMP 125V AC ⅓HP 125V AC

6TSWL6	On-Off	SPST

MEDIUM DUTY BALL TOGGLE SWITCH
3 AMP 240V AC 6 AMP 120V AC

6TS11-3	On-Off	SPST

TOGGLE BOOT
SCREW ON BLACK SILICONE RUBBER BOOT

6TB	Fits all toggle switches	—

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Manual Motor Starting Switches

Without Overload Protection, 30A 600V AC

30003

30103

30302

664X30

Features - Specifications

- Silver-alloy contacts
- Binding screw terminals, non-tracking urea base
- Compact design
- Horsepower rated
- Nylon toggle
- Fully enclosed
- Quick make, slow break contact design
- Available in single or three phase
- Available NEMA 1, NEMA 3R, NEMA 4X enclosures
- UL Listed File #E70402 – Guide #NLRV
- CSA Certified File #LR46186 – Guide #184-N-13.13A
- Complies with UL 508
- NOM

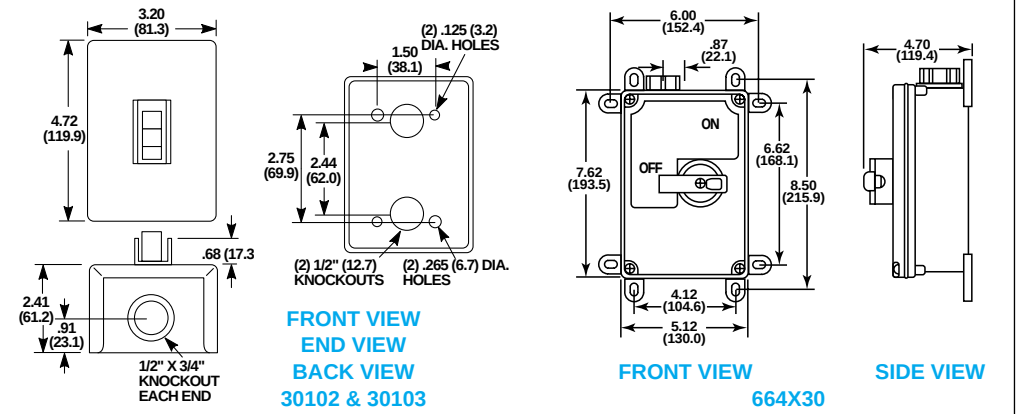
DOUBLE-POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
30002①	General purpose 30 AMP 600V AC	2 HP 120V AC 5 HP 240V AC 10 HP 480V AC 15 HP 600V AC	Double-pole, single throw, AC manual motor starting switch without overload protection
30102			30002 in NEMA Type 1 enclosure
30302			30002 in NEMA Type 3R enclosure

THREE-POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
30003①	General purpose 30 AMP 600V AC	3 HP 120V AC 7½ HP 240V AC 15 HP 480V AC 20 HP 600V AC	Three-pole, single throw, AC manual motor starting switch without overload protection
30103			30003 in NEMA Type 1 enclosure
30303			30003 in NEMA Type 3R enclosure
30100			NEMA Type 1 enclosure without switch
30300			NEMA Type 3R enclosure without switch
664X30	Industrial Control 30A 600V AC	1HP 120V AC 5 HP 240V AC 10 HP 480V AC 10 HP 600V AC	NEMA 4X enclosure with 30A CAM switch with lockout tag out

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① See page A-17 for dimensional information.

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Manual Motor Starting Switches
Without Overload Protection, 40 Amp 600V AC

4002

40002

40003

Features - Specifications

- Silver-alloy contacts
- Binding screw terminals
- Non-tracking urea base
- Compact design
- Horsepower rated
- Nylon toggle
- Fully enclosed
- Quick make, slow break contact design
- Available in single or three phase
- UL Listed File #E70402 – Guide #NLRV
- Available with NEMA Type 3R raintight enclosure
- CSA Certified File #LR46186 – Guide #184-N-13.13A
- Complies with UL 508
- NOM

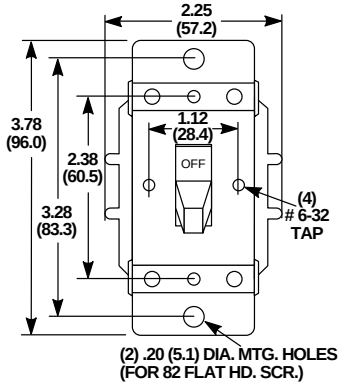
DOUBLE-POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
4002	General purpose 40 AMP 600V AC	2 HP 120V AC 5 HP 240V AC	Double-pole, single throw, AC manual motor starting switch without overload protection
40002		2 HP 120V AC 5 HP 240V AC 10 HP 480V AC 15 HP 600V AC	

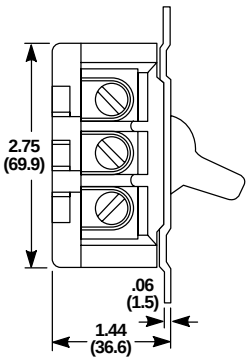
THREE-POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
40003	General purpose 40 AMP 600V AC	3 HP 120V AC 7½ HP 240V AC 15 HP 480V AC 20 HP 600V AC	Three-pole, single throw, AC manual motor starting switch without overload protection

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

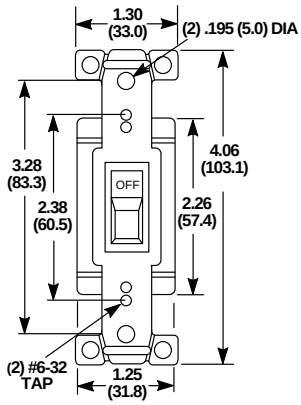


FRONT VIEW



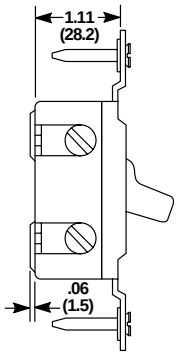
SIDE VIEW

30002 & 30003, 40002 & 40003



FRONT VIEW

4002



SIDE VIEW

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Manual Motor Starting Switches
Without Overload Protection, 60 AMP 600V AC

60002

60002-FW

60303

Features - Specifications

- Silver-alloy contacts
- Lug-type terminals
- Non-tracking urea base
- Compact design
- Horsepower rated
- Quick make, slow break contact design
- Fully enclosed
- Front or back wiring designs for ease of installation
- Available in single or three phase
- Nylon toggle handle
- UL Listed File #E70402 – Guide #NLRV
- Available with NEMA Type 3R raintight enclosure
- CSA Certified File #LR46186 – Guide #184-N-13.13A
- Complies with UL 508
- NOM

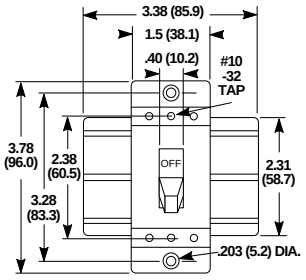
DOUBLE POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
60002	General purpose 60 AMP 600V AC	10 HP 240V AC 15 HP 480V AC 20 HP 600V AC	Double pole, single throw, AC manual motor starting switch without overload protection
60002-FW			Same as 60002 except front wired
60302			60002 FW in NEMA Type 3R enclosure

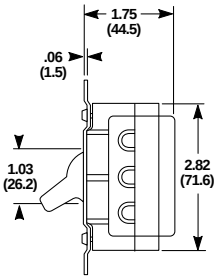
THREE POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
60003	General purpose 60 AMP 600V AC	10 HP 240V AC 25 HP 480V AC 30 HP 600V AC	Three pole, single throw, AC manual motor starting switch without overload protection
60003-FW			Same as 60003 except front wired
60303			60003 FW in NEMA Type 3R enclosure
60300			NEMA Type 3 enclosure without switch

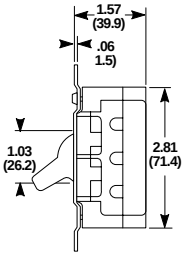
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



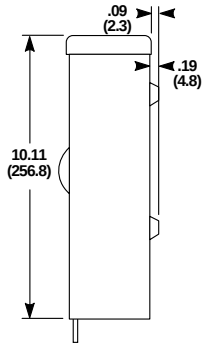
FRONT VIEW
60002 & 60003
60002-FW & 60003-FW



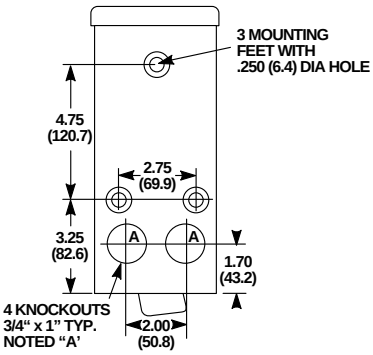
SIDE VIEW
60002 & 60003



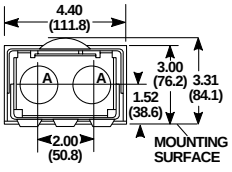
SIDE VIEW
60002-FW & 60003-FW



SIDE VIEW



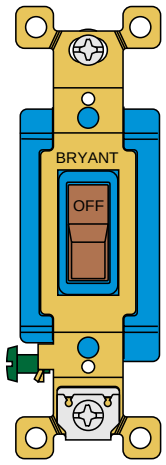
BACK VIEW
60302 & 60303



END VIEW

Specifications are subject to change without notice.

A.C. SWITCHES



DESCRIPTION

Typical Specification — Catalog No. 4801

Manufacturer's Identification — Bryant 4801

Description — Industrial Grade A.C. Switch, back and side wired

Type — Single Pole, Single Throw, Grounded

Rating — 15A, 125/277V AC

CERTIFICATION

- UL Listed, File E1464, Guide #WMUZ
- Verified under Fed. Spec. #W-S 896-E
- Complies with U.L. 20 and NEMA Standard WD-1

COMPONENTS	MATERIALS
Base	Thermoset, ivory
Face	Thermoset, color coded by amperage
Toggle	Nylon①
Terminals	High performance copper-alloy
Terminal Screws	Brass #8 combination
Mounting Yoke	Brass and nickel plated steel
Contacts	Silver cadmium oxide
Movable Contact Arm	High performance copper-alloy
Rocker	Neoprene
Ground Terminal	Brass and nickel plated steel
Ground Screw	Brass (green)
Auto Ground Clip	Stainless steel

PERFORMANCE

Electrical

Dielectric Voltage	Withstands 1500V minimum.
Max. Working Voltage	277V AC.
Overload	Minimum 4.8 times rated current for 100 cycles.
Temperature Rise	30° C maximum at rated current.
Max. Continuous Current	15A, 20A, 30A.
Endurance	50,000 cycles min., tungsten filament lamp load (Fed. Spec.) #WS896E, SP, DP, 3-way and 4-way.

Mechanical

Terminal Accommodations	#14 AWG min. - #10 AWG max.

Environmental

Flammability	UL 94 V2.
Operating Temperatures	Maximum continuous 115°C, minimum -40°C (w/o impact).

Additional

4803
(see catalog page A-2).

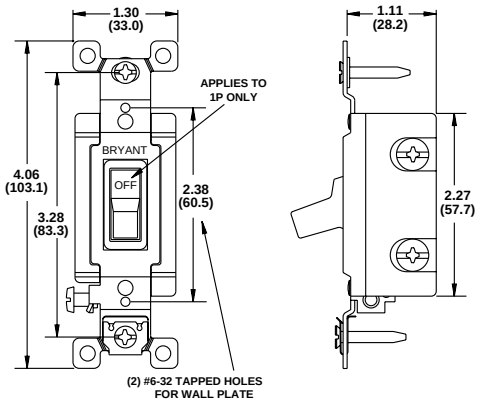
4802 & 4804
(see catalog page A-3).

4901 & 4903
(see catalog page A-4).

4902 & 4904
(see catalog page A-5).

3001, 3002, & 3003
(see catalog page A-6).

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



4801

① Glow and pilot lighted clear toggles are polycarbonate.

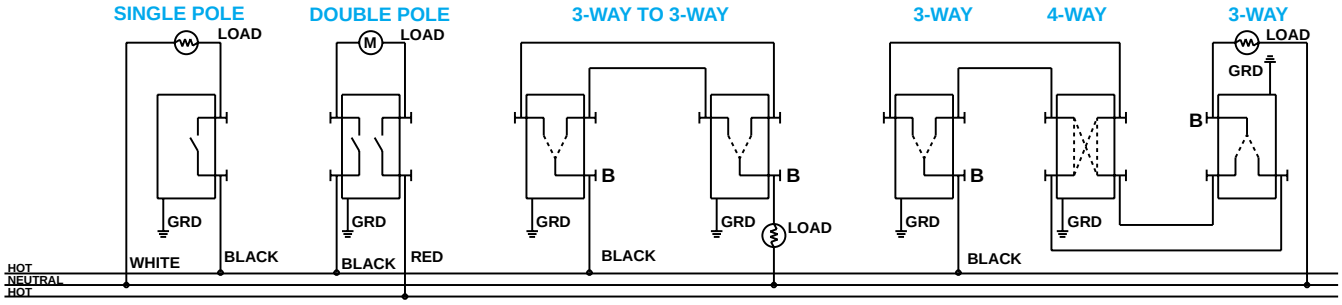
See catalog page A-2 for catalog numbers, features, product descriptions and product photographs.

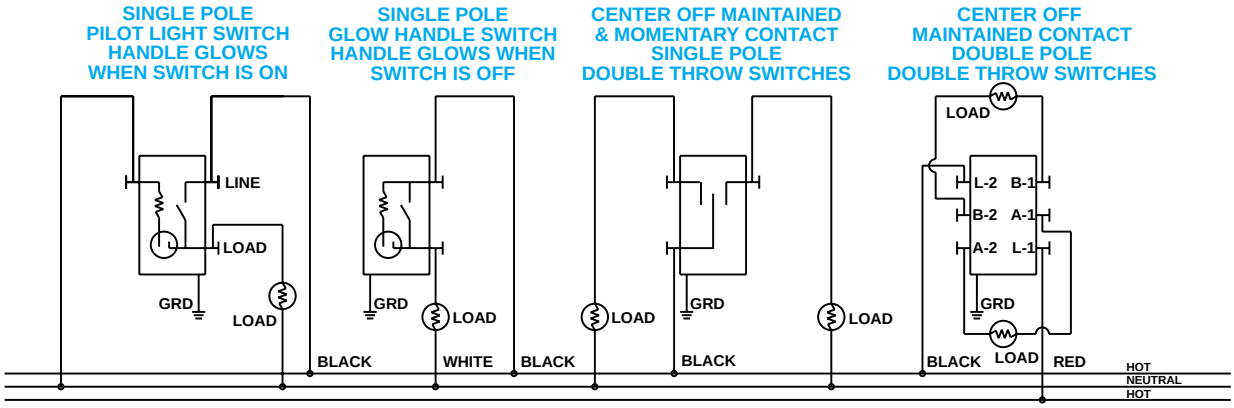
Specifications are subject to change without notice.

BRYANT

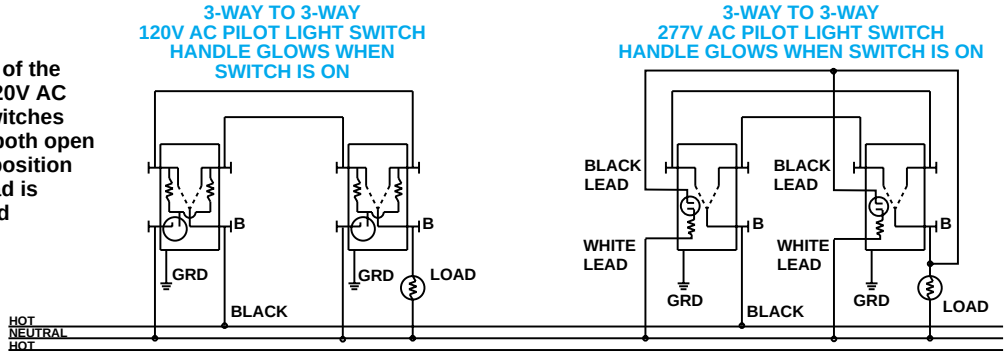
Switches
Wiring Diagrams

AC SWITCHES





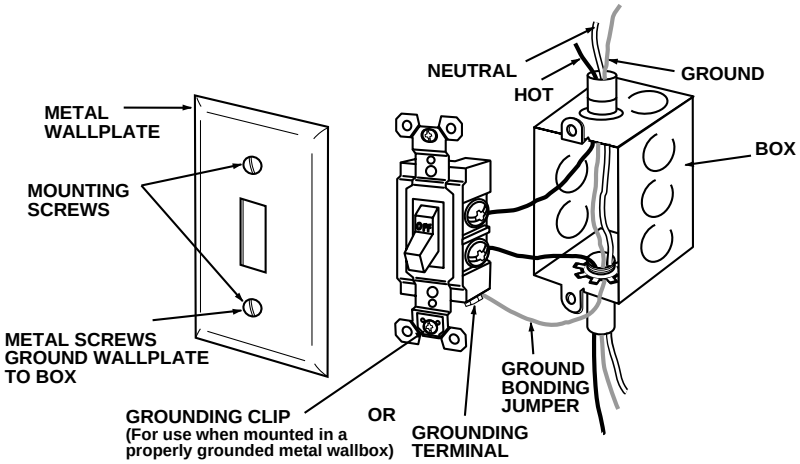
The handles of the two 3-way 120V AC pilot light switches will glow in both open and closed position when the load is disconnected

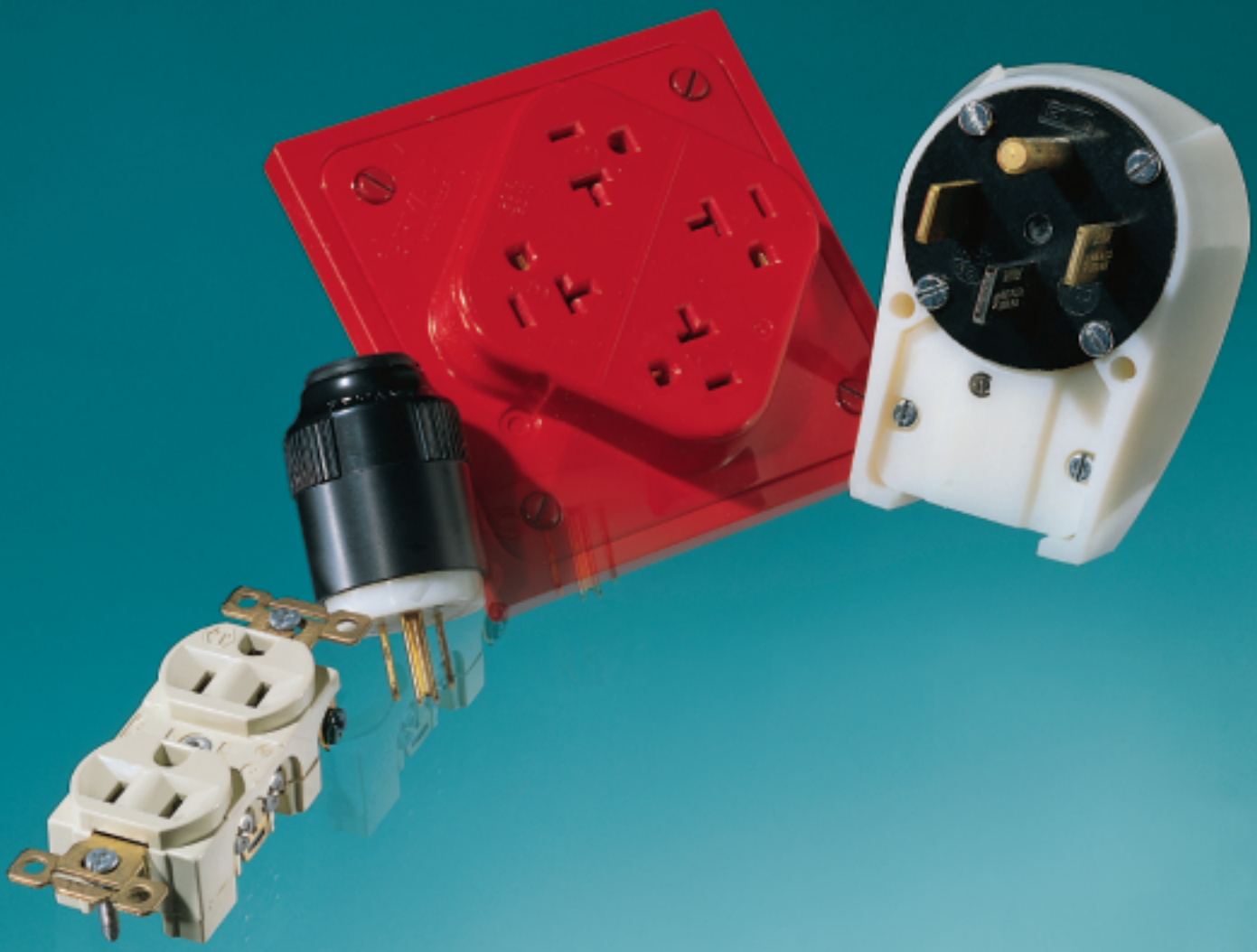


277V AC pilot light switches require a third "runner" wire between the two switches
These pilot light switches operate on either 120 or 277V AC

1993 NEC 380-12 REVISION

METAL WALL PLATES FOR SWITCHES SHALL BE GROUNDED (CORRELATES WITH 250-42(E)





Section B

STRAIGHT BLADE DEVICES

Section B Index

STRAIGHT BLADE DEVICES

Product Features.....**B1, B2, B3, B4**
NEMA Configuration Chart **B5**
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15A 125V **B6**
20A 250V **B6**
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15A 347V.....**B13**, **B20**
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30A 250V **B29**
50A 125V **B30**
50A 250V **B30**
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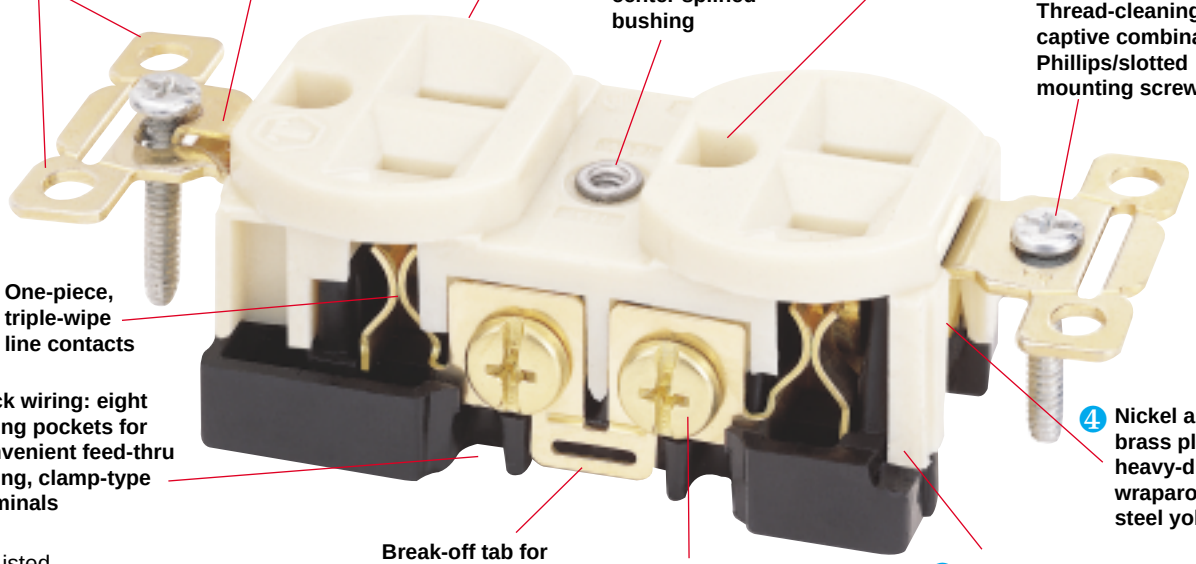
30A 125/250V **B32**
50A 125/250V **B32**
3 POLE 4 WIRE
30A 125/250V **B33**
50A 125/250V **B33**
60A 125/250V **B33**
30A 250V 3ØΔ **B34**
50A 250V 3ØΔ **B34**
60A 250V 3ØΔ **B34**
4 POLE 4 WIRE
20A 120/208V 3ØY **B35**
50A 120/208V 3ØY **B35**
60A 120/208V 3ØY **B35**
NEMA 5-15 and 5-20 Receptacle Polarity Tester **B17**
Duplex Receptacle Technical Specifications.....**B36**
Straight Blade Plug and Connector Technical Specifications **B37**

BRYANT

Product Features
TECH-SPEC® Single and Duplex Receptacles
Industrial Grade



1 Heavy-duty, copper-alloy self-grounding strap

Washer-type, break-off plaster ears

1 Large green, combination Phillips/slotted hex head grounding screw

1 One-piece grounding system with integral double-wipe brass grounding contacts

Interlocking center splined bushing

Thread-cleaning captive combination Phillips/slotted mounting screws

2 One-piece, triple-wipe line contacts

Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals

4 Nickel and brass plated heavy-duty, wraparound steel yoke

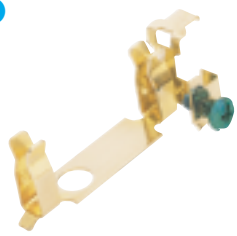
Break-off tab for two-circuit wiring

Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire

3 Thick-walled, high-impact nylon face and base. Wraparound, full-face design.

UL Listed
CSA Certified
Complies with
NEMA Standards WD-1, WD-6 and UL 498
Verified under Federal Specification WC596

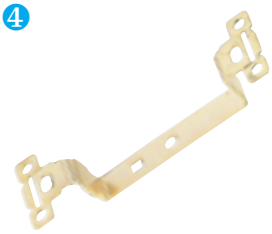
5262-I



TECH-SPEC receptacles offer a true one-piece ground system. The rivetless construction of this unique system provides a more reliable continuity to ground than riveted designs. The brass, one-piece system includes grounding contacts, self-grounding strap and grounding screws.

High performance brass line contacts deliver excellent conductivity for low resistance, low heat rise. Triple-wipe design assures contact at three points on the plug blades. Superior spring properties and the rivetless, one-piece construction provide reliable, long-life blade retention.

Wraparound, full-face design will not come off under stress. Overlapping, thick walled nylon face and base construction is virtually unbreakable. Interior walls isolate and support contacts while overlapping design provides excellent arc and tracking resistance.



Heavy-duty, nickel and brass plated .050 (1.3) steel yoke is wrapped around the receptacle and locked into place to provide excellent mechanical strength. Double plating, brass over nickel, results in superior corrosion resistance.

SUPER-SAFE DESIGN

The above built-in features of the 5262 self-grounding receptacle reflect the super-safe design . . . the super-solid construction of Bryant's full line of TECH-SPEC duplex receptacles. This wide-ranging selection assures you of the exact device you need for industrial or commercial applications.

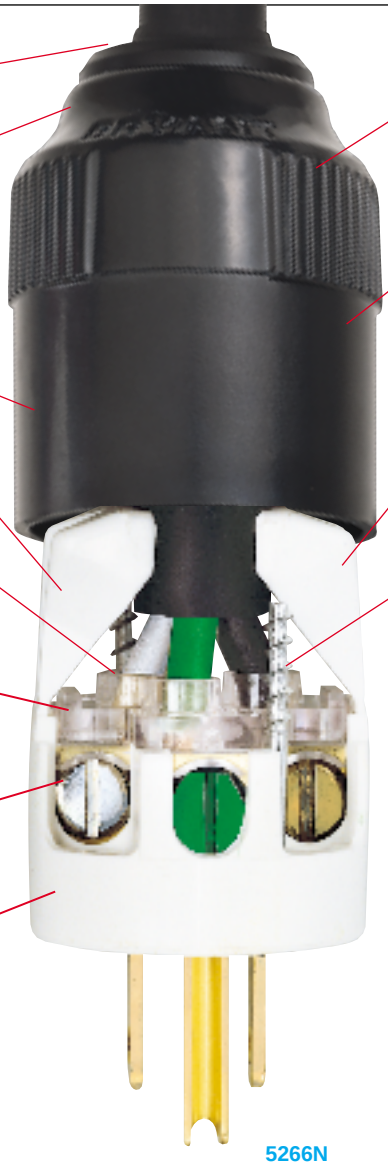
AVAILABLE TYPES

- 2-pole, 3-wire; 15 and 20 amp; 125, 250 and 277 volt

AVAILABLE COLORS

- Single and duplex receptacles
- Isolated ground (also see section F)
- Hospital grade (also see section C)
- Corrosion-resistant (also see section H)
- Lighted face duplex receptacles

Product specifications appearing in the following section are subject to change without notice.



Preattached dust seal surrounds cord grip opening

Exterior ribbing provides firm finger grip

Tapered cover eliminates cord snagging

Rugged, impact/chemical-resistant polymer cover

Two-piece assembly reduces assembly time

Automatic wraparound cord grip accepts .245 - .655 (6.2-16.6) diameter cord; no need for inserts or adapters.

Tapered individual wire pockets provide ease of entry for stranded wire

Two quick-fasten captive assembly screws secure the device and automatically tighten cord grip jaws

Transparent terminal cover allows visual inspection for proper wire termination

Single side wiring with #8 terminal screws and clamp-type terminals

Impact-resistant nylon body

UL Listed
CSA Certified
Complies with
NEMA Standards WD-1, WD-6 and UL 498
Verified under Federal Specification WC596
NOM
CE

5266N

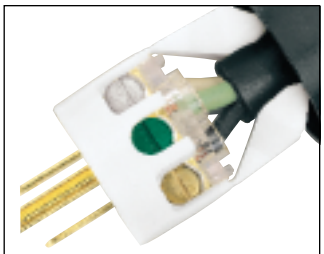
DEPENDABLE CORD RETENTION

TECH-SPEC straight blade plugs and connectors exceed UL's toughest hospital grade and Federal Specification strain relief requirements.

The hospital grade test requires a static pull of 30 lbf applied for 1 minute in a direction perpendicular to the plane of cord entry and a rotary pull in a 3-inch diameter while 10 lbf is applied for 2 hours.

After static pull and rotary pull test are performed, no displacement of conductors, conductor insulation or outer jacket of the 18 AWG SJT cord shall exceed 1/32 inch.

With a typical 12/3 SJOW .440 (11.2) diameter cord, Bryant's 5266-N exceeded these requirements by more than 100%.



Bryant's single side terminal design reduces wiring time and permits stripped conductors to be simultaneously inserted into individual wire pockets without rotating device. Two piece assembly with two quick drive assembly screws wires almost 20% faster than its closest competitor

Nylon/polymer construction provides exceptional durability and resistance to hydrocarbons and solvents typically found in industrial environments.
Preattached dust seal surrounds cord grip opening, helping to prevent conductive dust and moisture from entering the wire chamber, minimizing the hazards of internal shorts

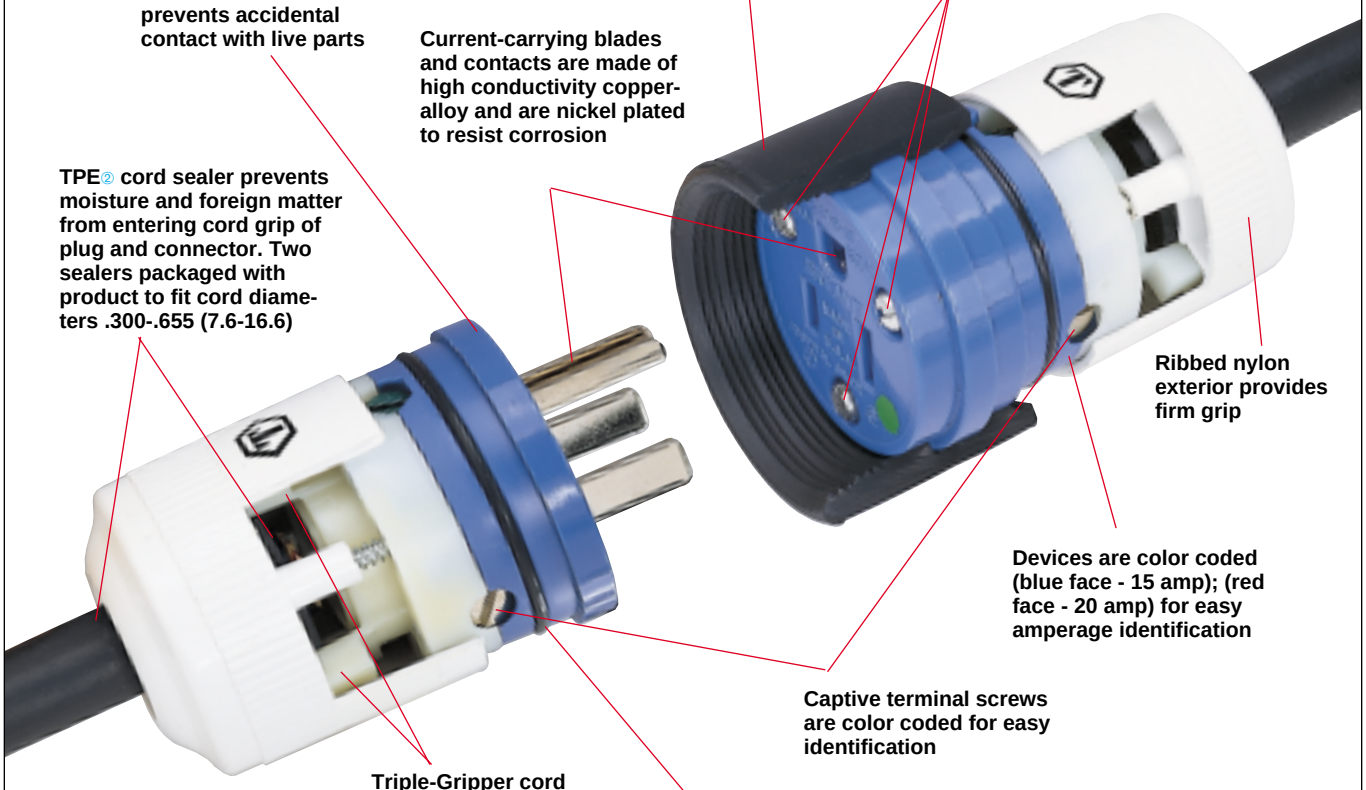
One-piece, rivetless connector power contact design reduces chances for resistance and heat buildup. High performance triple-wipe copper-alloy contacts have excellent spring properties and provide superior contact pressure and conductivity. Terminal screws are deep-slotted and color-coded for easy installations

Bryant offers a complete line of Tech-Spec straight blade plugs and connectors for special applications including corrosion resistant, high visibility sentinel yellow, isolated ground orange color coded, masking black, hospital grade white and transparent. Weather protective boots with optional sealing cap provide additional protection in wet and damp locations. See page H-12 for details

( ) Indicates mm dimensions

BRYANT

Product Features
TECH-SPEC®
Water/Dust-Tight Plugs and Connectors



EPDM① sealing sleeve on connector seals out moisture, lint, dust and foreign particles when plug and connector are mated

Quick-fasten assembly screws automatically tighten cord grip jaws and are plated to resist corrosion

Dead front construction prevents accidental contact with live parts

Current-carrying blades and contacts are made of high conductivity copper-alloy and are nickel plated to resist corrosion

TPE② cord sealer prevents moisture and foreign matter from entering cord grip of plug and connector. Two sealers packaged with product to fit cord diameters .300-.655 (7.6-16.6)

Ribbed nylon exterior provides firm grip

Devices are color coded (blue face - 15 amp); (red face - 20 amp) for easy amperage identification

Captive terminal screws are color coded for easy identification

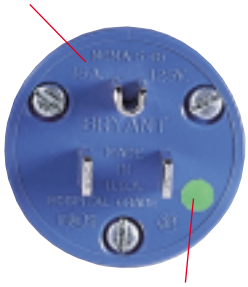
Triple-Gripper cord grip provides secure cord retention

Neoprene “O” ring between face and cover of plug and connector prevents moisture, lint, conductive dust, etc., from entering the interior (wiring chamber) of the device

UL Listed
CSA Certified (where applicable)
Complies with NEMA Standards WD-1, WD-6 and UL 498
Verified under Federal Specification WC596 (where applicable)

8266-TSP & 8269-TSC

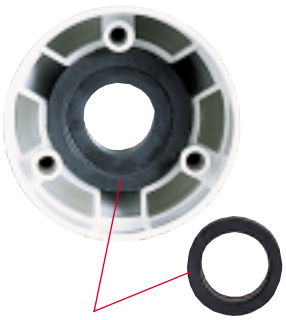
NEMA line number and rating on device makes product identification easy



Green Dot signifies UL hospital grade listing, assures maximum toughness in high-abuse applications

Individual wire pockets help prevent flashovers

Lug-type terminals with spring maintain constant pressure on wire which provides low resistance and trouble-free connections



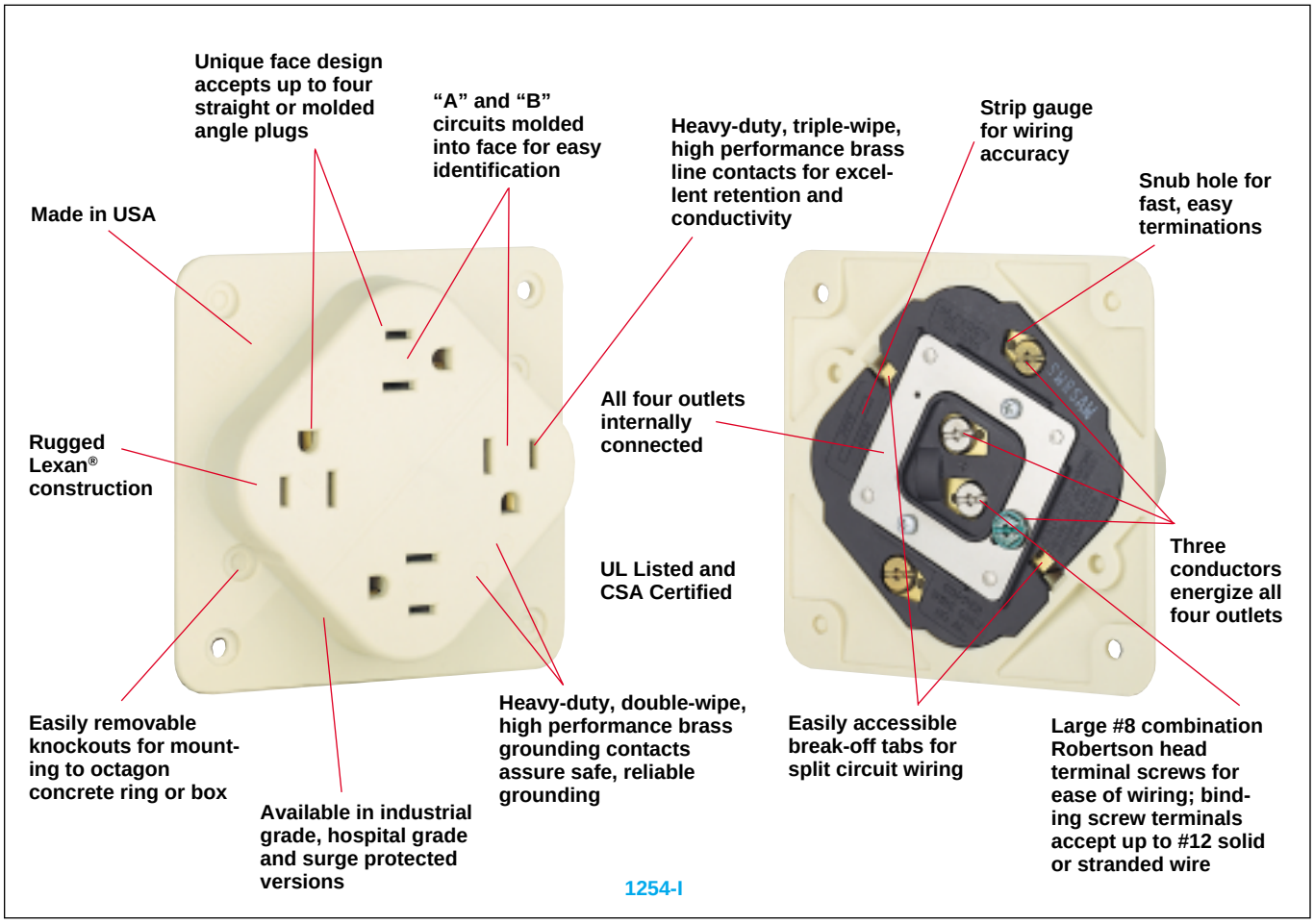
TPE② cord sealer prevents moisture and foreign matter from entering cord grip of plug and connector. Two sealers packaged with product to fit cord diameters .300-.655 (7.6-16.6)

Devices fully assembled provide water/dust-tight connection

① EPDM - Ethylene Propylene Diene Monomer
② TPE - Thermoplastic Elastomer

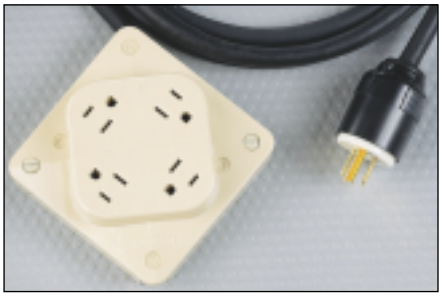
Product specifications appearing in the following section are subject to change without notice.

Product Features
QUADPLEX® Receptacles, Adapter Plates, Portable Boxes and Cord Sets



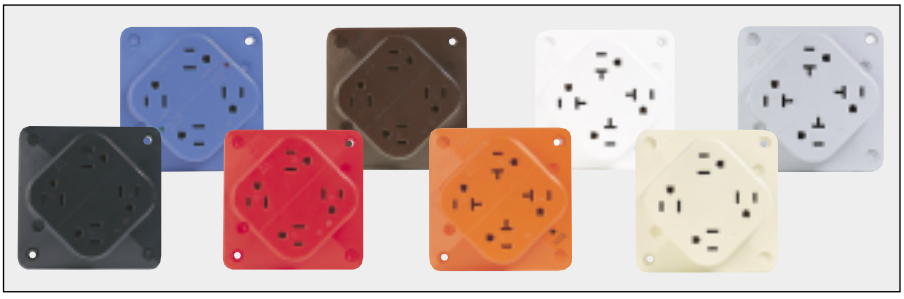
For new or retrofit applications, QUADPLEX receptacles mount to one and two-gang device boxes with adapter plate.

QUADPLEX mounts directly to 4" square box, eliminating the need for cover. Complies with NEC Article 410-56(i) Mounting screws are color-matched to the face of receptacle.



QUADPLEX receptacles can be mounted to non-metallic portable box for temporary power applications.

Pre-assembled QUADPLEX Cord Sets offer portable ground fault protection with the convenience of a four-outlet receptacle. Surge Suppression and standard units also available.



***Wide Selection** - QUADPLEX receptacles, adapter plates and portable boxes are available in eight colors: black, blue (surge suppression), red, brown, orange (isolated ground), white, ivory and gray. Receptacle ratings include 15 amp and 20 amp 125V. (15 amp 347V for Canadian applications). Types: Industrial Grade, Hospital Grade, Wire Leads, Isolated Ground, Surge Suppression.*

Product specifications appearing in the following section are subject to change without notice.

BRYANT

NEMA Configuration Chart
Straight Blade Devices

		15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG
2-POLE 2-WIRE	1 125V	B-6① 1-15R② C73.10③	B-6 1-15P C73.10								
	2 250V		2-15P	B-6 2-20R C73.21	B-6 2-20P C73.21	2-30R	2-30P				
	3 277V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	4 600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
2-POLE 3-WIRE GROUNDING	5 125V	B-7, 16, 28 5-15R C73.11	B-16, 17, 28 5-15P C73.11	B-11,13,21-23 16,28 5-20R C73.12	B-16, 24, 28 5-20P C73.12	B-29 5-30R C73.45	B-29 5-30P C73.45	B-30 5-50R C73.46	B-30 5-50P C73.46		
	6 250V	B-16, 18, 28 6-15R C73.20	B-16, 19, 28 6-15P C73.20	B-16, 25, 28 6-20R C73.51	B-16, 26, 28 6-20P C73.51	B-29 6-30R C73.52	B-29 6-30P C73.52	B-30 6-50R C73.53	B-30 6-50P C73.53		
	7 277V AC	B-20 7-15R C73.28	B-20 7-15P C73.28	7-20R	7-20P	7-30R	7-30P	7-50R	7-50P		
	24 347V AC	B-13 24-15R	B-20 24-15P	24-20R	24-20P	24-30R	24-30P	24-50R	24-50P		
	8 480V AC				(RESERVED FOR FUTURE CONFIGURATIONS)						
	9 600V AC				(RESERVED FOR FUTURE CONFIGURATIONS)						
3-POLE 3-WIRE	10 125/250V			B-31 10-20R C73.23	B-31 10-20P C73.23	B-32 10-30R C73.24	B-32 10-30P C73.24	B-32 10-50R C73.25	B-32 10-50P C73.25		
	11 3Ø 250V	11-15R	11-15P	11-20R	11-20P	11-30R	11-30P	11-50R	11-50P		
	12 3Ø 480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	13 3Ø 600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
3-POLE 4-WIRE GROUNDING	14 125/250V	14-15R	14-15P	14-20R	14-20P	B-33 14-30R C73.16	B-33 14-30P C73.16	B-33 14-50R C73.17	B-33 14-50P C73.17	B-33 14-60R C73.18	B-33 14-60P C73.18
	15 3Ø 250V	15-15R	15-15P	15-20R	15-20P	B-34 15-30R C73.60	B-34 15-30P C73.60	B-34 15-50R C73.61	B-34 15-50P C73.61	B-34 15-60R C73.62	B-34 15-60P C73.62
	16 3Ø 480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	17 3Ø 600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
4-POLE 4-WIRE	18 3ØY 120/208V	18-15R	18-15P	B-35 18-20R C73.26	B-35 18-20P C73.26	18-30R C73.47	18-30P C73.47	B-35 18-50R C73.48	B-35 18-50P C73.48	B-35 18-60R C73.27	B-35 18-60P C73.27
	19 3ØY 277/480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	20 3ØY 347/600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
4-POLE 5-WIRE GRDG	21 3ØY 120/208V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	22 3ØY 277/480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	23 3ØY 347/600V				(RESERVED FOR FUTURE CONFIGURATIONS)						

① Indicates page number where devices are located.
② NEMA Number
③ ANSI Number

BRYANT

NEMA 1-15

NEMA 2-20

2 Pole 2 Wire
15 Amp 125V; 20 Amp 250V
Straight Blade Devices

9754-NS

9755-N

9700-S

556

7847

Features - Specifications

NYLON PLUG AND CONNECTOR

- Impact/chemical-resistant nylon construction with exclusive nonmetallic "Quad Gripper Cord Grip"
- Dead front construction
- Individual wire pockets with clamp-type terminals
- Conform to NEMA and ANSI Standards
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

RECEPTACLE

- Brown phenolic body
- Rust-resistant wraparound yoke
- Thread cleaning captive mounting screws
- Side wiring: large binding head screw terminals
- Approved for CU only
- UL Listed File #E2258 – Guide #RTRT
- Complies with NEMA Standards WD-1, WD-6 and UL 498

ATTACHMENT PLUG

- Heavy-duty thermoplastic construction
- Adjustable cord grip
- Large terminal and assembly screws for fast wiring
- Individual wire pockets with clamp-type terminals
- UL Listed File #E1381 – Guide #AXUT
- Complies with NEMA Standards WD-1, WD-6 and UL 498

ATTACHMENT PLUG AND CONNECTOR 15 AMP 125V NEMA 1-15

CATALOG NUMBER	CORD DIA.	DESCRIPTION
9754-NS	.281-.625 (7.1-15.9)	Plug, black/white nylon, polarized
9755-N	.281-.625 (7.1-15.9)	Connector, black/white nylon, polarized

ADAPTER SLEEVE

CATALOG NUMBER	CORD DIA.	DESCRIPTION
9700-S①	Converts SPT cord to round	Sleeve, strain relief, white

WEATHER PROTECTIVE BOOT

CATALOG NUMBER	DESCRIPTION
7400-BCR①	Yellow neoprene boot for use on both 9754-NS and 9755-N

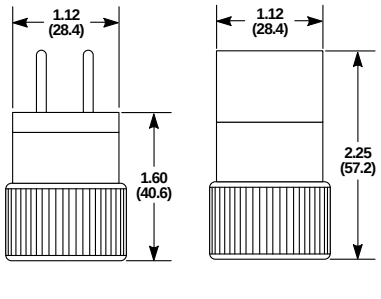
SINGLE RECEPTACLE 20 AMP 250V NEMA 2-20

CATALOG NUMBER	DESCRIPTION
556	Brown phenolic, side wired

ATTACHMENT PLUG 20 AMP 250V NEMA 2-20

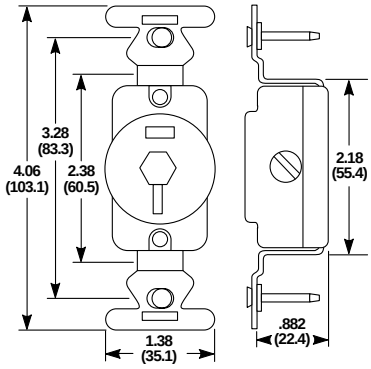
CATALOG NUMBER	CORD DIA.	DESCRIPTION
7847	.320-.910 (8.1-23.1)	Yellow thermoplastic, with adjustable cord grip

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

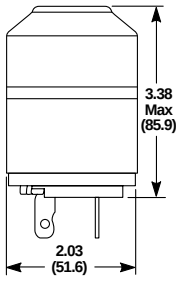


9754-NS

9755-N



556



7847

① Not listed by Underwriters' Laboratories, Inc.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

TECH·SPEC®

2 Pole 3 Wire Grounding 15 Amp 125V
Back and Side Wired Industrial Grade Receptacles

5262-I

5261-I

5284

5258

Features - Specifications

- One-piece grounding system including integral self-grounding strap (5262 series)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion (except 5284)
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accept up to #10 wire (5261, 5284 & 5258 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates (5262)
- Easily accessible break-off tab for two-circuit wiring (5262)
- Verified under Fed. Spec. #WC596 (where applicable)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- Strip gauge for accurate wiring
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
5262	5261	Brown, nylon construction, self-grounding
5262-C	—	Same as above except with Robertson head screws
5262-BLK	5261-BLK	Black, nylon construction, self-grounding
5262-GRY	5261-GRY	Gray, nylon construction, self-grounding
5262-I	5261-I	Ivory, nylon construction, self-grounding
5262-IC	—	Same as above except with Robertson head screws
5262-RED	5261-RED	Red, nylon construction, self-grounding
5262-W	5261-W	White, nylon construction, self-grounding
5262-WC	—	Same as above except with Robertson head screws
5282	5281	5262/5261 on 4" round metal box cover

SHORT YOKE RECEPTACLES

—	5284	Brown, nylon construction, self-grounding 1.94 mounting dim.
—	5258	Brown, urea face, side wired, 1.75 mounting dim.

LIGHTED FACE RECEPTACLES

5262-GRYL③	—	Gray, nylon face, self-grounding
5262-IL③	—	Ivory, nylon face, self-grounding
5262-REDL③	—	Red, nylon face, self-grounding
5262-WL③	—	White, nylon face, self-grounding

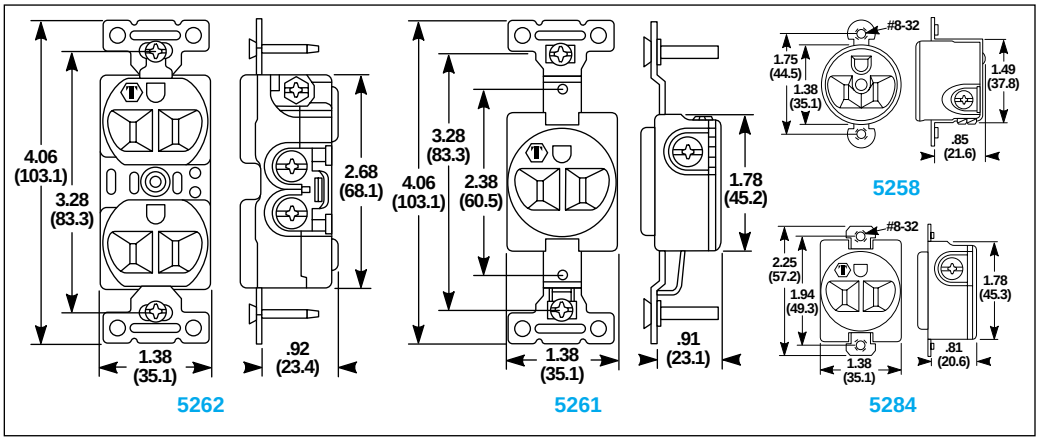
CORROSION RESISTANT RECEPTACLES①

5262-BCR	—	Brown, nylon construction, self-grounding
5262-CR	5261-CR	Yellow, nylon construction, self-grounding

ISOLATED GROUND RECEPTACLES②

5262-IG	5261-IG	Orange, nylon construction
5262-IGC	5261-IGC	Same as above except with Robertson head screws
5262-IGGRY	5261-IGGRY	Gray, nylon construction
5262-IGI	5261-IGI	Ivory, nylon construction
5262-IGW	5261-IGW	White, nylon construction

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① See page H-3 for corrosion resistant Features - Specifications.
② See page F-9 for isolated ground Features - Specifications.
③ To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

2 Pole 3 Wire Grounding 15 Amp 125V
Back and Side Wired Hospital Grade Receptacles

8200

8210-I

8200-ITR②

8200-IG

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 and 544
- One-piece grounding system with integral self-grounding strap (8200)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (single receptacles 8210 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates (8200)
- Easily accessible break-off tab for two-circuit wiring (8200)
- Verified under Fed. Spec. #WC596 (where applicable)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1 (8200, 8210)
- NOM

TAMPER RESISTANT RECEPTACLES

- Nylon face resists abuse and chemicals
- Tamper resistant shutters specifically engineered with two spring loaded slides to provide maximum tamper resistance
- Thermoplastic base provides high strength and electrical integrity
- Heavy-duty brass yoke provides high strength and corrosion resistance

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
8200	8210	Brown, nylon construction, self-grounding
8200-C	—	Same as above except with Robertson head screws
8200-GRY	8210-GRY	Gray, nylon construction, self-grounding
8200-I	8210-I	Ivory, nylon construction, self-grounding
8200-IC	—	Same as above except with Robertson head screws
8200-RED	8210-RED	Red, nylon construction, self-grounding
8200-REDC	—	Same as above except with Robertson head screws
8200-W	8210-W	White, nylon construction, self-grounding

TAMPER RESISTANT RECEPTACLES

8200-TR②	—	Brown, nylon face, self-grounding
8200-GTR②	—	Gray, nylon face, self-grounding
8200-ITR②	—	Ivory, nylon face, self-grounding
8200-RTR②	—	Red, nylon face, self-grounding
8200-WTR②	—	White, nylon face, self-grounding

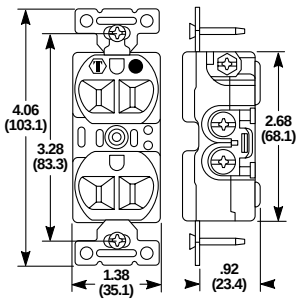
LIGHTED FACE RECEPTACLES

8200-GRYL	—	Gray, nylon face, self-grounding
8200-IL	—	Ivory, nylon face, self-grounding
8200-REDL	—	Red, nylon face, self-grounding
8200-WL	—	White, nylon face, self-grounding

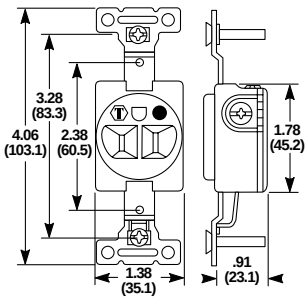
ISOLATED GROUND RECEPTACLES①

8200-IG	8210-IG	Orange, nylon construction
8200-IGC	—	Same as above except with Robertson head screws
8200-IGTR②	—	Orange, nylon face tamper resistant

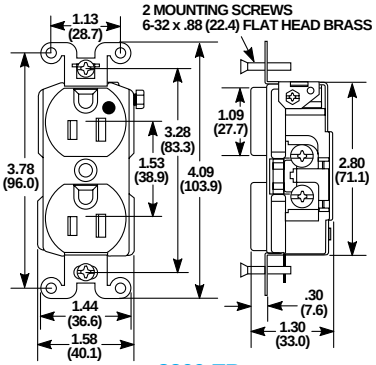
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



8200



8210



8200-TR②

①See page F-9 for isolated ground Features - Specifications.
②To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

2 Pole 3 Wire Grounding
15 Amp 125V
Back and Side Wired Heavy-Duty Receptacles

5252

5278-G

5278

5279

5252-IC

Features - Specifications

RECEPTACLE

- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates
- Easily accessible break-off tab for two-circuit wiring
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Verified under Fed. Spec. #WC596 (5252 series)
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM

SAFETY RECEPTACLE

- Current will flow only when both blades of a suitable plug are in position

BACK AND SIDE WIRED

CATALOG NUMBER	DESCRIPTION
5252	Brown nylon construction, self-grounding
5252-C	Same as above except with Robertson head screws
5252-BLK	Black nylon construction, self-grounding
5252-GRY	Gray nylon construction, self-grounding
5252-I	Ivory nylon construction, self-grounding
5252-IC	Same as above except with Robertson head screws
5252-RED	Red nylon construction, self-grounding
5252-W	White nylon construction, self-grounding

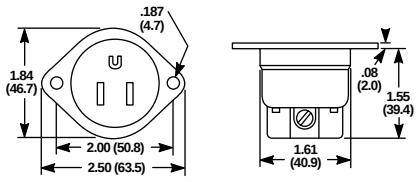
SAFETY RECEPTACLES

CATALOG NUMBER	DESCRIPTION
SG-62	Brown, side wired, self-grounding
SG-62-I	Ivory, side wired, self-grounding

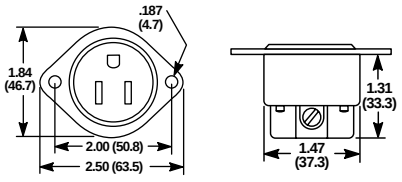
EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
5278	Male equipment base, white nylon cup
5278-G	Male equipment base, black thermoplastic cup, self-grounding strap
5279	Female equipment receptacle, white nylon cup

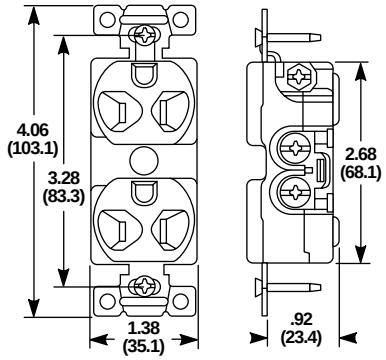
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



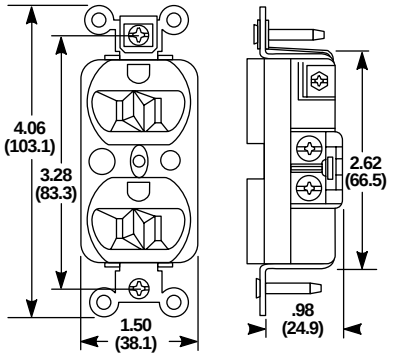
5278, 5278-G



5279



5252



SG-62

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

2 Pole 3 Wire Grounding
15 Amp 125V
Side Wired Heavy-Duty Receptacles

5242

5251

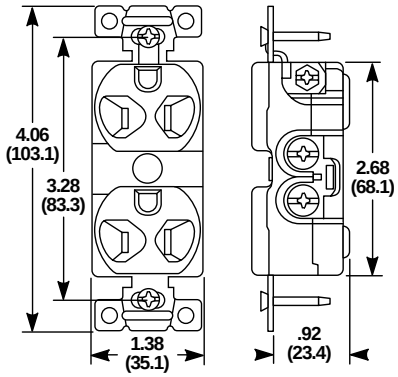
5242-44

Features - Specifications

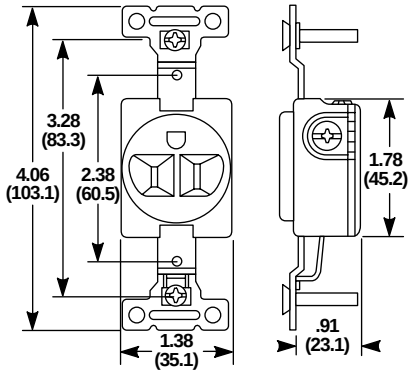
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw backed out and staked for easy wiring
- Grounding screw terminal plate forms retention cup for secure termination
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates (5242)
- Easily accessible break-off tab for two-circuit wiring (5242)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- Thread cleaning captive mounting screws
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Verified under Fed. Spec. #WC596
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
5242	5251	Brown, nylon construction, self-grounding
5242-C	—	Same as above except with Robertson head screws
5242-BLK	—	Black, nylon construction, self-grounding
5242-GRY	—	Gray, nylon construction, self-grounding
5242-I	5251-I	Ivory, nylon construction, self-grounding
5242-IC	—	Same as above except with Robertson head screws
5242-RED	—	Red, nylon construction, self-grounding
5242-REDC	—	Same as above except with Robertson head screws
5242-W	—	White, nylon construction, self-grounding
5242-44	—	Black, nylon construction with four .250 inch (6.4) quick connect terminals, less mounting yoke, mounting screws and ground clip

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



5242



5251

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

2 Pole 3 Wire Grounding
15 Amp 125V; 20 Amp 125V
Commercial Grade Receptacles

CR15-BI

CR15-BI side

CR20-BI

CR20-BI side

Features - Specifications

- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head backed out and staked for easy wiring
- Self-grounding strap for fast installations
- Easily accessible break-off tab for two-circuit wiring
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

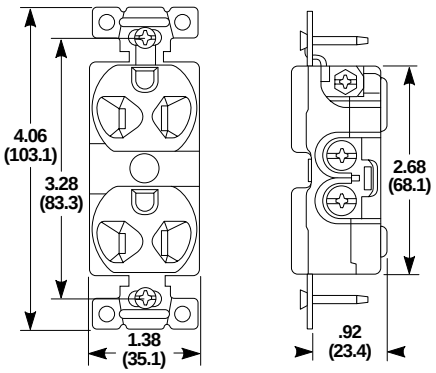
15 AMP 125V DUPLEX RECEPTACLES NEMA 5-15

CATALOG NUMBER		DESCRIPTION
SIDE WIRED	BACK & SIDE WIRED	
CR15-B	CBR15-B	Brown nylon face, self-grounding
CR15-BCAN	CBR15-BCAN	Same as above except with Robertson head screws
CR15-BGRY	CBR15-BGRY	Gray nylon face, self-grounding
CR15-BGYCAN	CBR15-BGRYC	Same as above except with Robertson head screws
CR15-BI	CBR15-BI	Ivory nylon face, self-grounding
CR15-BICAN	CBR15-BICAN	Same as above except with Robertson head screws
CR15-BLK	CBR15-BLK	Black nylon face, self-grounding
CR15-BW	CBR15-BW	White nylon face, self-grounding
CR15-BWCAN	CBR15-BWCAN	Same as above except with Robertson head screws

20 AMP 125V DUPLEX RECEPTACLES NEMA 5-20

CATALOG NUMBER		DESCRIPTION
SIDE WIRED	BACK & SIDE WIRED	
CR20-B	CBR20-B	Brown nylon face, self-grounding
CR20-BGRY	CBR20-BGRY	Gray nylon face, self-grounding
CR20-BI	CBR20-BI	Ivory nylon face, self-grounding
CR20-BLK	CBR20-BLK	Black nylon face, self-grounding
CR20-BW	CBR20-BW	White nylon face, self-grounding

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



CR15-B

Specifications are subject to change without notice.

NEMA 5-15

2 Pole 3 Wire Grounding
15 Amp 125V
Floor Box Assemblies, Display Receptacles, Clock Hangers

5236BOX

3799-G

2828-GS

Features - Specifications

RECEPTACLE
- Industrial grade, molded of high-impact chemical resistant nylon
- Zinc plated steel yoke for corrosion resistance
- Side wiring: large brass binding head screw terminals accepts up to #10 wire
- Back wiring: clamp-type terminals accepts up to #10 wire
- Approved for CU wire only

PLATE
- Floor box assembly plate is .040 (1.0) brushed brass
- Display receptacle and clock hanger plate is .040 (1.0) smooth brushed brass (302 S/S also available)
- Clock hanger hook is integral part of wall plate, eliminates possibility of losing hook

BOX
- Galvanized Steel 0.0625 (1.6) thick, single gang 3.5" (88.9) deep with EARS

Compliances

FLOOR BOX ASSEMBLY
- UL Listed File #E53420

DISPLAY RECEPTACLE/ CLOCK HANGER
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LP 16215 – Guide #365E1

FLOOR BOX ASSEMBLIES

CATALOG NUMBER	DESCRIPTION
5236BOX	Industrial grade single receptacle, .040 (1.0) brushed brass plate, gasketing and floor rated single gang steel box
5236IGBOX	Industrial grade isolated ground receptacle, .040 (1.0) brushed brass plate, gasketing and floor rated single gang steel box

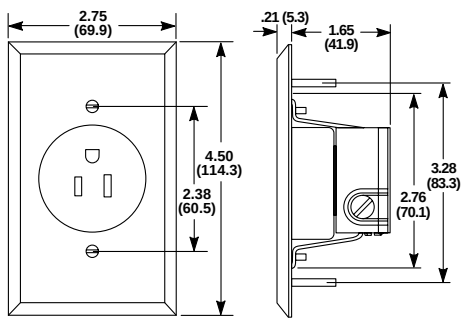
DISPLAY RECEPTACLES

CATALOG NUMBER	DESCRIPTION
3799-G	Industrial grade single receptacle, .040 (1.0) brass plate, smooth brushed brass finish
3799-GS	Industrial grade single receptacle, type 302 stainless, .031 (.8) plate, smooth brushed stainless finish

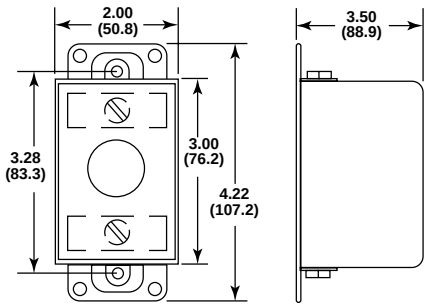
CLOCK HANGERS

CATALOG NUMBER	DESCRIPTION
2828-G	Industrial grade single receptacle, .040 (1.0) brass plate, smooth brushed brass finish
2828-GS	Industrial grade single receptacle, type 302 stainless, .031 (.8) plate, smooth brushed stainless finish

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



RECEPTACLE AND PLATE
(5236BOX, 3799-G, 2828-G)



BOX

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

CSA 24-15R

QUADPLEX® Receptacles
2 Pole 3 Wire Grounding
15 Amp 125V; 20 Amp 125V; 15 Amp 347V

1254-I with ADAPI

21254-HW

1254-SIA

Features - Specifications

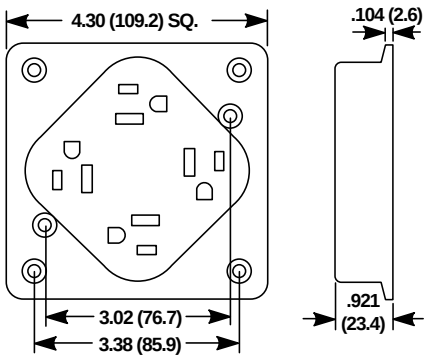
QUADPLEX RECEPTACLES

- Rugged Lexan® construction
- Mounts directly to 4" square or octagon boxes, no cover plate required. Meets 410-56(i) of the NEC
- Quadplex can be retrofitted to 1 and 2-gang device boxes, 4" square boxes with mud rings, or 4 11/16" square boxes with easy-to-install adapter plates
- Saves wiring and installation time
- Accepts 4 straight or molded angle plugs
- Large #8 brass binding head terminal screws, accepts up to #12 solid or stranded wire
- Approved for CU wire only
- Snub hole for fast, easy terminations
- Break-off tabs for split circuit wiring (except surge units)
- Heavy-duty, triple-wipe, high performance brass line contacts
- Heavy-duty, double-wipe grounding contacts
- Three conductors, hot, neutral and ground, energize all four outlets
- UL Listed File #E2258 – Guide #RTRT (1254, 21254 Series)
- CSA Certified File #LR16215 – Guide #365E1
- NOM
- CE

QUADPLEX® RECEPTACLES

NEMA 5-15 2P 3W 15 AMP 125V 0.5 HP	NEMA 5-20 2P 3W 20 AMP 125V 1.0 HP	NEMA/ CSA 24-15R 2P 3W 15 AMP 347V	DESCRIPTION
1254-B	21254-B	—	Brown Lexan
1254-I	21254-I	—	Ivory Lexan
1254-W	21254-W	3474W	White Lexan
1254-GY	21254-GY	—	Gray Lexan
1254-R	21254-R	—	Red Lexan
1254-BLK	21254-BLK	—	Black Lexan
1254-IGO	21254-IGO	—	Isolated ground, orange Lexan
1254-IGOB	—	—	Isolated ground, orange Lexan, bulk pkg.
1254-SA①	21254-SA①	—	Surge suppression, isolated ground, blue Lexan
1254-SIA①	21254-SIA①	—	Surge suppression, isolated ground, ivory Lexan
—	21254-IGOL	—	Isolated ground, wire leads, orange Lexan
—	21254-SL①	—	Surge supp., wire leads, isol. gd., blue Lexan
—	21254-SIL①	—	Surge supp., wire leads, isol. gd., ivory Lexan
1254-HB	21254-HB	—	Hospital grade, brown Lexan
1254-HI	21254-HI	—	Hospital grade, ivory Lexan
1254-HW	21254-HW	—	Hospital grade, white Lexan
1254-HGY	21254-HGY	—	Hospital grade, gray Lexan
1254-HR	21254-HR	—	Hospital grade, red Lexan
1254-HIGO②	21254-HIGO	—	Hospital grade, isolated ground, orange Lexan
—	21254-HBL	—	Hospital grade, wire leads, brown Lexan
—	21254-HIL	—	Hospital grade, wire leads, ivory Lexan
1254-HIP	21254-HIP	—	Hospital grade, ivory Lexan w/pilot light
1254-HWP②	21254-HWP	—	Hospital grade, white Lexan w/pilot light
1254-HRP②	21254-HRP	—	Hospital grade, red Lexan w/pilot light
1254-HSA	21254-HSA	—	Hospital grade, surge supp., isol. gd., blue Lexan
1254-HSIA	21254-HSIA	—	Hospital grade, surge supp., isol. gd., ivory Lexan

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



RECEPTACLE

①See page F-7 for additional information on surge receptacles.
②To be discontinued when supplies are exhausted.
Lexan® is a registered trademark of General Electric Co.
Specifications are subject to change without notice.

QUADPLEX®

Adapter Plates, Portable Boxes, Merchandising Pak

ADAP-I

4SQBX-I

B1254-I

Features - Specifications

ADAPTER PLATES
- Rugged Lexan® construction
- Adapts Quadplex receptacle to 1 and 2 gang device boxes and 4 11/16" square boxes
- UL Listed File #E33208 – Guide #QCDX
- CSA Certified File #18266 – Guide #300U16
- NOM
- CE

PORTABLE BOXES
- Rugged Lexan construction
- Internal cord grip
- Feed-thru design available with two cord grips

MERCHANDISING DISPLAY PAK
- One package includes both receptacle and adapter plate
- Complete wiring and installation instructions included
- See-through packaging for easy product identification
- Attractive package captures the impulse purchase
- Package includes pegboard or rack mounting hole
- UL and CSA Listed
- UPC bar coded

Typical Specification

The contractor shall supply and install commercial or hospital grade receptacles with 4 outlets internally connected and provision for split circuit wiring. Receptacle shall be designed for direct mounting to 4" square box, octagon box and concrete ring or 1 and 2 gang device boxes and 4 11/16" square boxes with ADAP Series adapters, and constructed of high-impact polycarbonate. Bryant Quadplex receptacle catalog series 1254, 21254, 3474 or approved equal.

ADAPTER PLATES

CATALOG NUMBER		DESCRIPTION
FOR 1 & 2 GANG DEVICE BOXES	FOR 4 11/16" BOXES	
ADAP-B	ADAP-BS	Brown Lexan
ADAP-I	ADAP-IS	Ivory Lexan
ADAP-W	—	White Lexan
ADAP-GRY	—	Gray Lexan
ADAP-O	—	Orange Lexan
ADAP-R	—	Red Lexan
ADAP-BLU	ADAP-BLUS	Blue Lexan
ADAP-BLK	—	Black Lexan

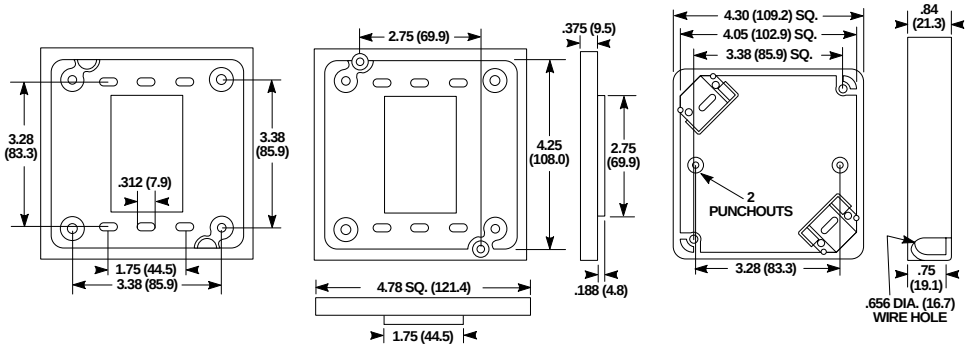
PORTABLE BOXES①

CATALOG NUMBER		DESCRIPTION
4" SQ. WITH CORD GRIP	4" SQ. FEEDTHRU WITH 2 CORD GRIPS	
4SQBX-B	—	Brown Lexan
4SQBX-I	4SQBX-FI	Ivory Lexan
4SQBX-W	—	White Lexan
4SQBX-GRY	—	Gray Lexan
4SQBX-O	—	Orange Lexan
4SQBX-R	4SQBX-FR	Red Lexan
4SQBX-BLU	—	Blue Lexan
4SQBX-BLK	4SQBX-FBLK	Black Lexan

MERCHANDISING DISPLAY PAK

CATALOG NUMBER	DESCRIPTION
B1254-I	Quadplex receptacle and adapter plate, ivory Lexan
B1254-W	Quadplex receptacle and adapter plate, white Lexan
B1254-GY	Quadplex receptacle and adapter plate, gray Lexan
B1254-SIA	Surge suppression Quadplex receptacle and adapter plate, ivory Lexan

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



ADAPTER PLATE | 4 11/16" ADAPTER PLATE | PORTABLE BOX

①Portable box not UL Listed.

Lexan® is a registered trademark of General Electric Co.

For further details on Quadplex receptacles, request brochure BPM-8099.

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

QUADPLEX®

15 Amp 125V
Portable Cord Sets, Power Strip

T1254-GF6

T1254-SI6

T1254-Y6

NMPS-315

Features - Specifications

PORTABLE CORD SETS

- Rugged Lexan® construction
- Green LED pilot light indicates available power
- Nonmetallic, nonconductive box eliminates marred surfaces
- Special cord lengths also available (consult factory)
- Four outlet receptacle accommodates up to four straight or angle plugs
- Compact design for easy portability
- UL Listed File #E125479
- Cat. #T1254-GF6 and T1254-GF25: UL Listed File #E57705
- Meets OSHA requirements
- NOM

TEMPORARY PORTABLE POWER TAP

- Safe non metallic construction provides nonconductive housing
- Prepunched mounting holes allow easy installation
- Office white color blends with any interior design
- Slim, low profile requires a minimum of space
- Mounts on 12" (30.5) or 16" (40.6) centers
- 90° angle plug for close fit
- UL Listed, CSA Certified

CORD SETS

CATALOG NUMBER	DESCRIPTION
T1254-Y6	6 ft. (182.9) 12/3 SJO, pilot light, yellow Lexan
T1254-I6	6 ft. (182.9) 12/3 SJO, pilot light, ivory Lexan
T1254-BK6	6 ft. (182.9) 12/3 SJO, pilot light, black Lexan
T1254-SIA6	6 ft. (182.9) 12/3 SJO, surge suppression, ivory Lexan
T1254-GF6	6 ft. (182.9) 12/3 SJO, GFCI protection, yellow Lexan
T1254-GF25	25 ft. (762.0) 12/3 SJO, GFCI protection, pilot light, yellow Lexan

ELECTRICAL SPECIFICATIONS

CATALOG NUMBERS T1254-GF6, T1254-GF25 — GROUND FAULT PROTECTION

Rated supply voltage	120V AC, 60 Hz
Rated current	15 amps
Operating voltage range	102 to 132V AC
Ground fault trip current	5 ± 1 milliampere
Ground neutral resistance	4 OHMS minimum
Trip response time for ground fault and grounded neutral trip	Less than 25mS
Contacts	Two pole, normally open
Voltage surge withstand	6KV impulse, 1/2 microsecond rise time 100 kHz ringing frequency with 40% decay per cycle
Endurance	Exceeds 10,000 operations typical
Overload current	78 amp, 0.45 p.f., 2 sec. max.
Insulation voltage	4000 VRMS - 1 min.
Operating temperature range	-35˚ C to +66˚ C
Power on indication	Mechanical trip indicator
Connections input	3 pin grounding plug, NEMA 5-15P

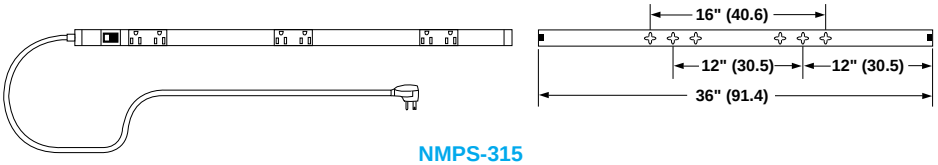
CATALOG NUMBER T1254-SIA6 — SURGE SUPPRESSION PROTECTION

- Transient suppression capacity peak energy 80 joules for a 10 X 1000 µS① pulse
- Common and normal mode protection
  Common mode transients: hot to ground and neutral to ground
  Normal mode transients: hot to neutral
- Maximum clamping voltage
  Test current 100 amperes peak (8X20µS); 360 volts
- Varistor peak clamping voltage
  212 volts minimum, 243 volts Maximum @ 1 milliampere DC
- Varistor size: 20mm
- Varistor continuous RMS voltage rating: 150 volts
- Capacitance @ 1 kHz; 2000 pf ± 30%
- Response time:
  Approximately 5ns (nanoseconds)
- Suppressed voltage
  530V (3000 amp) nominal
  436V (750 amp)
  412V (500 amp)
  400V (125 amp)
  212V (1 MA)
- Input voltage 125V AC, 60 Hz
- Current 20 ampere max branch circuit
- Receptacle rating 15 and 20 ampere 125V

TEMPORARY PORTABLE NONMETALLIC RACEWAY - 15 AMP 125V

CATALOG NUMBER	DESCRIPTION
NMPS-315	3 outlet, 15 amp, 3' (91.4) nonmetallic power strip
NMPS-515	5 outlet, 15 amp, 5' (152.4) nonmetallic power strip
	Cord length standard is 6 foot (182.9)

PRODUCT DIMENSIONS – ( ) Indicates cm dimensions



NMPS-315

① (µS Microseconds)

Specifications are subject to change without notice.

2 Pole 3 Wire Grounding Water/Dust-Tight
Plugs and Connectors

8266-TSP

8269-TSC

8366-TSP

8369-TSC

Features - Specifications

- Individual wire pockets with lug-type terminals include a built-in spring that maintains constant pressure on the wire providing low resistance and trouble-free connections
- Captive corrosion-resistant assembly screws
- Ribbed nylon exterior provides firm grip
- UL "hospital grade" Listed
- Copper-alloy blades and contacts are nickel-plated to resist corrosion
- Neoprene "O" ring eliminates moisture, lint, conductive dust, etc., from entering the interior (wiring chamber) of the device
- Unique cord grip incorporates Triple Gripper design to insure reliable cord retention and a choice of two TPE① cord sealers that fit cord diameters .300 to .655 (7.6-16.6) and keep foreign material (moisture, lint, dust, etc.) out of the interior of the device
- EPDM② sealing sleeve provides water/dust-tight connection when devices are mated
- Face of the device is color coded (15 amp blue, 20 amp red) for easy amperage identification
- Plugs are verified under Fed. Spec. #WC596
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2 except 8369-TSC and 8469-TSC
- NOM

15 AMP 125V PLUG AND CONNECTOR NEMA 5-15

CATALOG NUMBER	CORD DIA.	DESCRIPTION
8266-TSP	.300-.655 (7.6-16.6)	White nylon, water/dust-tight plug
8269-TSC	.300-.655 (7.6-16.6)	White nylon, water/dust-tight connector
1447-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, dust-tight plug
1547-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, dust-tight connector
14W47-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, watertight plug
15W47-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, watertight connector

15 AMP 250V PLUG AND CONNECTOR NEMA 6-15

CATALOG NUMBER	CORD DIA.	DESCRIPTION
8666-TSP	.300-.655 (7.6-16.6)	White nylon, water/dust-tight plug
8669-TSC	.300-.655 (7.6-16.6)	White nylon, water/dust-tight connector

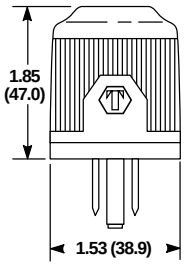
20 AMP 125V PLUG AND CONNECTOR NEMA 5-20

CATALOG NUMBER	CORD DIA.	DESCRIPTION
8366-TSP	.300-.655 (7.6-16.6)	White nylon, water/dust-tight plug
8369-TSC	.300-.655 (7.6-16.6)	White nylon, water/dust-tight connector
1433-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, dust-tight plug
1533-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, dust-tight connector
14W33-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, watertight plug
15W33-BRY③	.300-.655 (7.6-16.6)	Yellow elastomeric, watertight connector

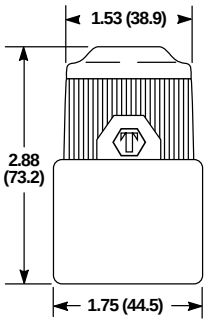
20 AMP 250V PLUG AND CONNECTOR NEMA 6-20

CATALOG NUMBER	CORD DIA.	DESCRIPTION
8466-TSP	.300-.655 (7.6-16.6)	White nylon, water/dust-tight plug
8469-TSC	.300-.655 (7.6-16.6)	White nylon, water/dust-tight connector

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



8266-TSP



8269-TSC

① TPE – Thermoplastic Elastomer.
② EPDM – Ethylene Propylene Diene Monomer.
③ See page H-11 for elastomeric Features - Specifications.
See page M-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

TECH·SPEC®
2 Pole 3 Wire Grounding 15 Amp 125V
Plugs and Connectors

5266-N

5269-N

5965-B

5969-B

5295

5266-PT

Features - Specifications

PLUGS AND CONNECTORS

- Impact/chemical-resistant nylon/polymer construction with automatic cord grip
- Pre-attached TPE dust seal helps prevent contaminants from entering wiring chamber
- Two quick-fasten captive assembly screws automatically tighten cord grip
- Single side terminal screws reduce wiring time and are color coded for proper terminations
- Transparent terminal cover allows instant visual inspection for proper terminations
- Tapered individual wire pockets help prevent flashover and speed wiring termination
- Strip gauge for accurate wiring
- Clamp-type terminals
- Verified under Fed. Spec. #WC596 (where applicable)
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

ATTACHMENT PLUGS AND CONNECTORS

CATALOG NUMBER		CORD DIA.	DESCRIPTION
PLUG	CONNECTOR		
5266-N	5269-N	.245-.655 (6.2-16.6)	Black & white nylon/polymer
8266-N①	8269-N①	.245-.655 (6.2-16.6)	White nylon/polymer, hospital grade
8266-T①	8269-T①	.245-.655 (6.2-16.6)	Transparent nylon/polycarbonate, hospital grade
8266-TSP②	8269-TSC②	.300-.655 (7.6-16.6)	Black & white nylon, water/dust-tight
5266-NSY	5269-NSY	.245-.655 (6.2-16.6)	Sentinel yellow nylon/polymer
5266-NCR③	5269-NCR③	.245-.655 (6.2-16.6)	Sentinel yellow nylon/polymer, corrosion-resistant
5266-NOR	—	.245-.655 (6.2-16.6)	Orange nylon/polymer
5266-NB	5269-NB	.245-.655 (6.2-16.6)	Black nylon/polymer
5295④	—	.300-.625 (7.6-15.9)	Angle 12 position, black & white nylon
8295-T①④	—	.300-.625 (7.6-15.9)	Angle 12 position, transparent nylon/polycarbonate, hospital grade
5965-BY④	5969-BY④	.245-.655 (6.2-16.6)	Yellow thermoplastic
5965-B④	5969-B④	.245-.655 (6.2-16.6)	Black thermoplastic
5965-BGRY④	5969-BGRY④	.245-.655 (6.2-16.6)	Gray thermoplastic
1447-BRY②	1547-BRY②	.300-.655 (7.6-16.6)	Yellow elastomeric, dust tight
14W47-BRY②	15W47-BRY②	.300-.655 (7.6-16.6)	Yellow elastomeric, water tight

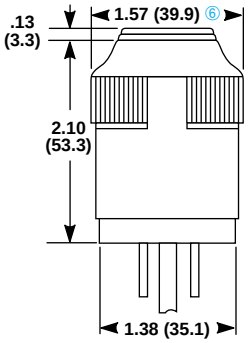
WEATHER PROTECTIVE BOOTS⑤

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	Thermoplastic elastomer
5200-BPB	5200-BP	Boot for use with 5266-N and 5965-B series plugs
5200-BCB	5200-BC	Boot for use with 5269-N and 5969-B series connectors
5200-BSRB	5200-BSR	Sealing ring for use with 5200 series connector boot

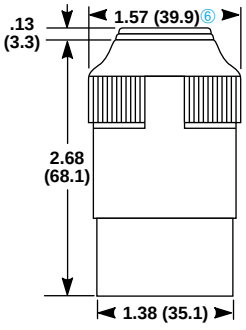
RECEPTACLE POLARITY TESTER

CATALOG NUMBER	DESCRIPTION
5266-PT	Circuit tester w/neon indicator lamps to check NEMA 5-15 and 5-20 receptacles

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



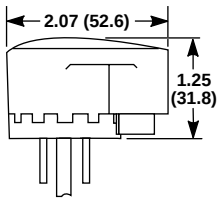
5266-N, 5965-B



5269-N, 5969-B

WEATHER PROTECTIVE BOOTS

5200-BPB, 5200-BCB w/5200-BSRB



5295

① See page C-7 for hospital grade Features - Specifications.
② See page B-16 for water/dust-tight Features - Specifications.
③ See page H-3 for corrosion-resistant Features - Specifications.
④ Not all TECH-SPEC features apply to these devices. Consult factory.
⑤ See page H-12 for more information on weather protective boots.
⑥ Dimension is 1.53 (38.9) for catalog numbers 5965-B & 5969-B.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

NEMA 6-15

2 Pole 3 Wire Grounding 15 Amp 250V
Back and Side Wired Industrial Grade Receptacles

5662-I

5661-I

5684

5678

5679

Features - Specifications

RECEPTACLE

- One-piece grounding system including integral self-grounding strap (5662)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (5661 & 5684 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates
- Verified under Fed. Spec. #WC596 (where applicable)
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM

INDUSTRIAL GRADE BACK AND SIDE WIRED

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
5662	5661	Brown, nylon construction, self-grounding
—	5661-C	Same as above except with Robertson head screws
5662-BLK	5661-BLK	Black, nylon construction, self-grounding
5662-GRY	5661-GRY	Gray, nylon construction, self-grounding
5662-I	5661-I	Ivory, nylon construction, self-grounding
—	5661-IC	Same as above except with Robertson head screws
5662-RED	5661-RED	Red, nylon construction, self-grounding
—	5661-W	White, nylon construction, self-grounding
—	5684	Brown, nylon construction, self-grounding, 1.94 (49.3) mounting dim.

CORROSION RESISTANT①

5662-CR	—	Yellow, nylon construction, self-grounding

ISOLATED GROUND②

5662-IG	—	Orange, nylon construction

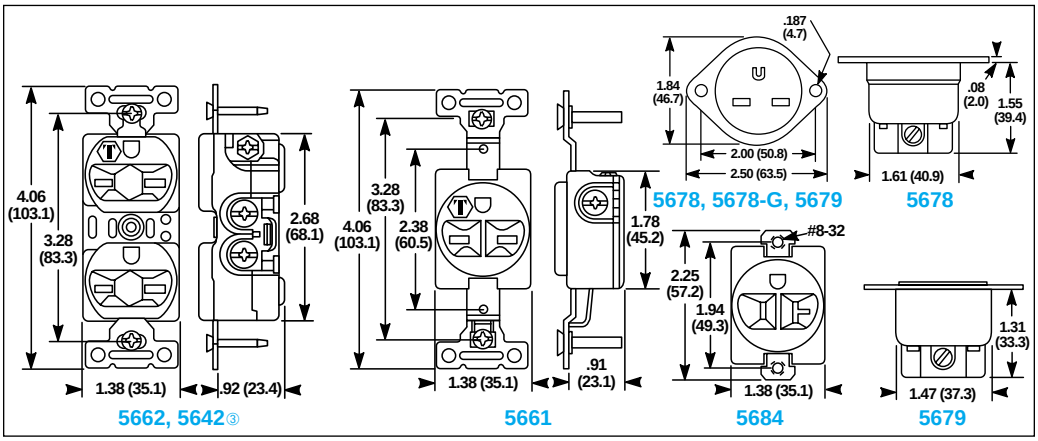
HEAVY DUTY, SIDE WIRED③

5642	—	Brown, nylon construction, self-grounding
5642-I	—	Ivory, nylon construction, self-grounding

EQUIPMENT DEVICES③

CATALOG NUMBER	DESCRIPTION
5678	Male equipment base, white nylon cup
5678-G	Male equipment base, white nylon cup, self-grounding strap
5679	Female equipment receptacle, white nylon cup

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① See page H-3 for corrosion resistant Features - Specifications.
② See page F-9 for isolated ground Features - Specifications.
③ See page B-9 for Features - Specifications.

Specifications are subject to change without notice.

2 Pole 3 Wire Grounding 15 Amp 250V
Plugs and Connectors

5666-N

5669-N

5666-B

5669-B

5695

Features - Specifications

PLUG AND CONNECTOR

- Impact/chemical-resistant nylon/polymer construction with automatic cord grip
- Pre-attached TPE dust seal helps prevent contaminants from entering wiring chamber
- Two quick-fasten captive assembly screws automatically tighten cord grip
- Single side terminal screws reduce wiring time and are color coded for proper terminations
- Transparent terminal cover allows instant visual inspection for proper terminations
- Tapered individual wire pockets help prevent flashover and speed wiring termination
- Strip gauge for accurate wiring
- Verified under Fed. Spec. #WC596 (where applicable)
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

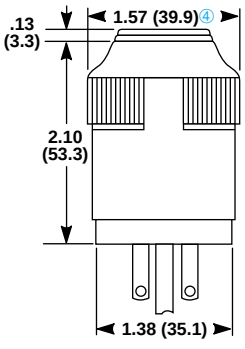
ATTACHMENT PLUGS AND CONNECTORS

CATALOG NUMBER		CORD DIA.	DESCRIPTION
PLUG	CONNECTOR		
5666-N	5669-N	.245-.655 (6.2-.16.6)	Black/white, nylon/polymer
8666-TSP①	8669-TSC①	.300-.655 (7.6-.16.6)	White, nylon, water/dust-tight
5666-NSY	5669-NSY	.245-.655 (6.2-.16.6)	Sentinel yellow, nylon/polymer
5695②	—	.300-.625 (7.6-.15.9)	Angle, 12 position, black/white, nylon
8695-T②	—	.300-.625 (7.6-.15.9)	Angle, 12 position, transparent nylon/polycarbonate, hospital grade
5666-B②	5669-B②	.245-.655 (6.2-.16.6)	Black, thermoplastic

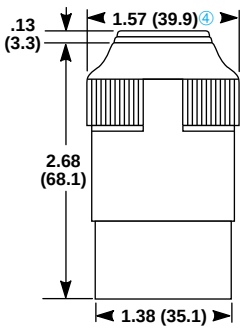
WEATHER PROTECTIVE BOOTS

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	Thermoplastic elastomer
5200-BPB③	5200-BP③	Boot for use with 5666-N and 5666-B series plugs
5200-BCB③	5200-BC③	Boot for use with 5669-N and 5669-B series connectors
5200-BSRB③	5200-BSR③	Sealing ring for use with 5200 series connector boot

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



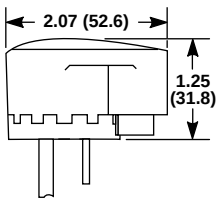
5666-N, 5666-B



5669-N, 5669-B

WEATHER PROTECTIVE BOOTS

5200-BPB, 5200-BCB w/5200-BSRB



5695

① See page B-16 for water/dust-tight Features – Specifications.
② Not all TECH-SPEC features apply to these devices, consult factory.
③ See page H-12 for more information on weather protective boots.
④ Dimension is 1.53 (38.9) for catalog numbers 5666-B & 5669-B.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

NEMA 7-15

NEMA/CSA 24-15

2 Pole 3 Wire Grounding
15 Amp 277V; 15 Amp 347V
Industrial Grade Plugs and Receptacles

5762

5782

5756

5856

Features - Specifications

RECEPTACLE

- Molded of arc-resistant urea
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- One-piece double-wipe brass line contacts
- Side wiring: large brass binding head screw terminals accepts up to #10 wire
- Back wiring: clamp-type terminals accepts up to #10 wire
- Heavy-duty copper-alloy self-grounding strap
- Approved for CU wire only
- Double-wipe brass grounding contacts
- Strip gauge for accurate wiring
- Large green hex head grounding screw provides secure wire termination
- Thread cleaning captive mounting screws
- Break-off tab for two-circuit wiring
- Rust-resistant yoke
- Snub hole for quick, easy side wiring
- Exclusive open-face grounding slot reduces breakage resulting from abrupt removal of plug
- UL Listed File #E2258 – Guide #RTRT
- NOM

ATTACHMENT PLUG

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- Comply with NEMA Standards WD-1, WD-6 and UL498
- NOM

RECEPTACLES NEMA 7-15 15 AMP 277V GROUNDING

CATALOG NUMBER	DESCRIPTION
5762	Duplex, brown, back and side wired, self-grounding
5782	“5762” on 4" (101.6) round metal box cover

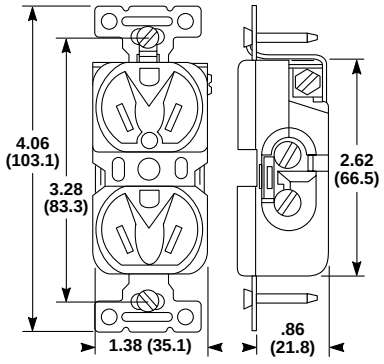
ATTACHMENT PLUG NEMA 7-15 15 AMP 277V GROUNDING

CATALOG NUMBER	CORD DIA.	DESCRIPTION
5756	.296-.625 (7.5-15.9)	Black phenolic, clamp-type terminals, dead front

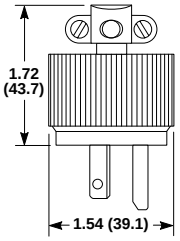
ATTACHMENT PLUG NEMA/CSA 24-15 15 AMP 347V GROUNDING

CATALOG NUMBER	CORD DIA.	DESCRIPTION
5856	.296-.625 (7.5-15.9)	Black phenolic, clamp-type terminals, dead front

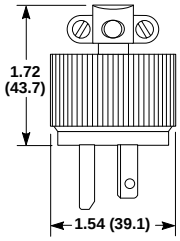
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



5762



5756



5856

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

NEMA 5-20

CSA 5-20

TECH·SPEC®

2 Pole 3 Wire Grounding 20 Amp 125V
Back and Side Wired Industrial Grade Receptacles

5362-I

5362-CANI

5361

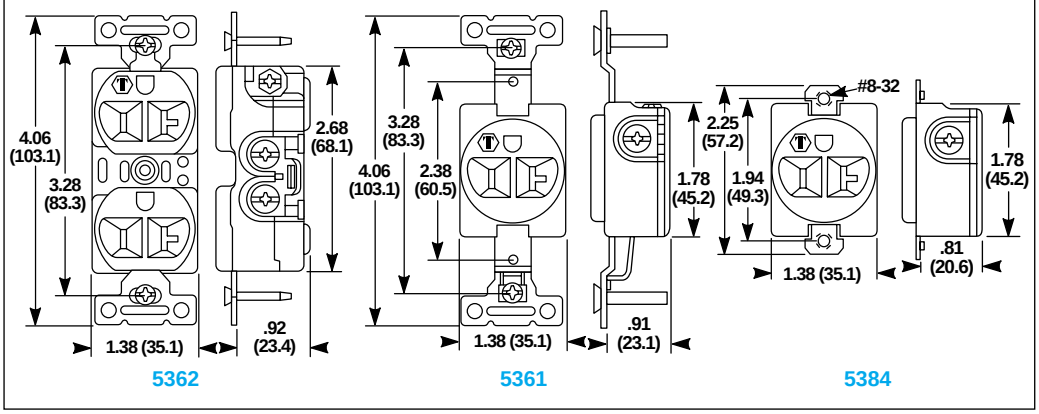
5384

Features - Specifications

- One-piece grounding system including integral self-grounding strap (5362 series)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion (except 5384)
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (5361 5384 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire (5362)
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates (5362 series)
- Verified under Fed. Spec. #WC596 (where applicable)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- CSA 5-20R configurations CSA Certified File #LR16215 – Guide #365E1
- NOM

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
5362	5361	Brown, nylon construction, self-grounding
5362-CAN①	5361-CAN①	Same as above except CSA 5-20R configuration
5362-BLK	5361-BLK	Black, nylon construction, self-grounding
5362-GRY	5361-GRY	Gray, nylon construction, self-grounding
5362-CANGRY①	5361-CANGRY①	Same as above except CSA 5-20R configuration
5362-I	5361-I	Ivory, nylon construction, self-grounding
5362-CANI①	5361-CANI①	Same as above except CSA 5-20R configuration
5362-RED	5361-RED	Red, nylon construction, self-grounding
5362-CANRED①	—	Same as above except CSA 5-20R configuration
5362-W	5361-W	White, nylon construction, self-grounding
5362-CANW①	5361-CANW①	Same as above except CSA 5-20R configuration
5382	—	5362 on 4" (101.6) round metal box cover
—	5384	Brown, nylon construction, self-grounding, 1.94 (49.3) mounting dim.
LIGHTED FACE		
5362-GRYL④	—	Gray, nylon face, self-grounding
5362-IL④	—	Ivory, nylon face, self-grounding
5362-REDL④	—	Red, nylon face, self-grounding
5362-WL④	—	White, nylon face, self-grounding
CORROSION RESISTANT②		
5362-CR	5361-CR	Yellow, nylon construction, self-grounding
ISOLATED GROUND③		
5362-IG	5361-IG	Orange, nylon construction
5362-CANIG①	—	Same as above except CSA 5-20R configuration
5362-IGGRY	5361-IGGRY	Gray, nylon construction
5362-IGI	5361-IGI	Ivory, nylon construction
5362-IGW	5361-IGW	White, nylon construction

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



①Configured CSA 5-20R receptacles are supplied with Robertson head screws.
②See page H-3 for corrosion resistant Features - Specifications.
③See page F-9 for isolated ground Features - Specifications.
④To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

NEMA 5-20 | NEMA 6-20 | CSA 5-20R

TECH-SPEC® 2 Pole 3 Wire Grounding 20 Amp 125V; 20 Amp 250V

Back and Side Wired Hospital Grade Receptacles

8300-RED

8410-BRN

8300-CANI

8310-I

8300-GTR③

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 an 544
- One-piece grounding system with integral self-grounding strap (8300 series)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (8310 & 8410 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates (8300 series)
- Easily accessible break-off tab for two-circuit wiring (8300 series)
- Verified under Fed. Spec. #WC596 (where applicable)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- NOM

TAMPER RESISTANT RECEPTACLES

- Nylon face resists abuse and chemicals
- Tamper resistant shutters specifically engineered with two spring loaded slides to provide maximum tamper resistance
- Thermoplastic base provides high strength and electrical integrity
- Heavy-duty brass yoke provides high strength and corrosion resistance

CATALOG NUMBER			DESCRIPTION
DUPLEX 20 AMP 125V NEMA 5-20	SINGLE 20 AMP 125V NEMA 5-20	SINGLE 20 AMP 250V NEMA 6-20	
8300	8310	8410-BRN	Brown nylon construction, self-grounding
8300-CAN①	—	—	Same as above except CSA 5-20R configuration
8300-GRY	8310-GRY	8410-GRY	Gray nylon construction, self-grounding
8300-CANGRY①	—	—	Same as above except CSA 5-20R configuration
8300-I	8310-I	8410-I	Ivory nylon construction, self-grounding
8300-CANI①	—	—	Same as above except CSA 5-20R configuration
8300-RED	8310-RED	8410-RED	Red nylon construction, self-grounding
8300-CANRED①	—	—	Same as above except CSA 5-20R configuration
8300-W	8310-W	8410-W	White nylon construction, self-grounding
8300-CANW①	—	—	Same as above except CSA 5-20R configuration

LIGHTED FACE RECEPTACLES

8300-GRYL	—	—	Gray nylon face, self-grounding
8300-IL	—	—	Ivory nylon face, self-grounding
8300-REDL	—	—	Red nylon face, self-grounding
8300-WL	—	—	White nylon face, self-grounding

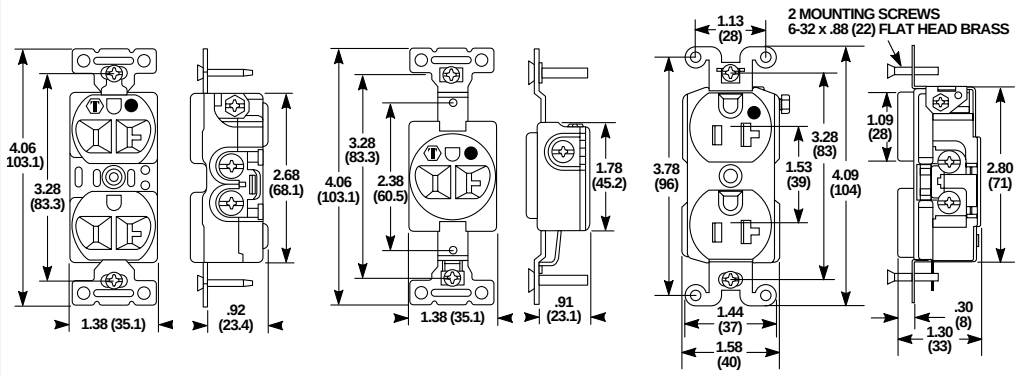
ISOLATED GROUND RECEPTACLES②

8300-IG	8310-IG	8410-IG	Orange nylon construction

TAMPER RESISTANT RECEPTACLES

8300-TR③	—	—	Brown, nylon face, self-grounding
8300-GTR③	—	—	Gray, nylon face, self-grounding
8300-ITR③	—	—	Ivory, nylon face, self-grounding
8300-RTR③	—	—	Red, nylon face, self-grounding
8300-WTR③	—	—	White, nylon face, self-grounding

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



①Configured CSA 5-20R receptacles are supplied with Robertson head screws.
②See page F-9 for isolated ground Features - Specifications.
③To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

NEMA 5-20

2 Pole 3 Wire Grounding
20 Amp 125V
Heavy-Duty Receptacles

5352-I

5351-I

5342

5378

5379

Features - Specifications

RECEPTACLE

- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Base molded of high-impact thermoplastic
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (duplex)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates
- Easily accessible break-off tab for two-circuit wiring
- Verified under Fed. Spec. #WC596
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM

RECEPTACLES BACK AND SIDE WIRED

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
5352	—	Brown, nylon construction, self-grounding
5352-BLK	—	Black, nylon construction, self-grounding
5352-GRY	—	Gray, nylon construction, self-grounding
5352-I	—	Ivory, nylon construction, self-grounding
5352-RED	—	Red, nylon construction, self-grounding
5352-W	—	White, nylon construction, self-grounding

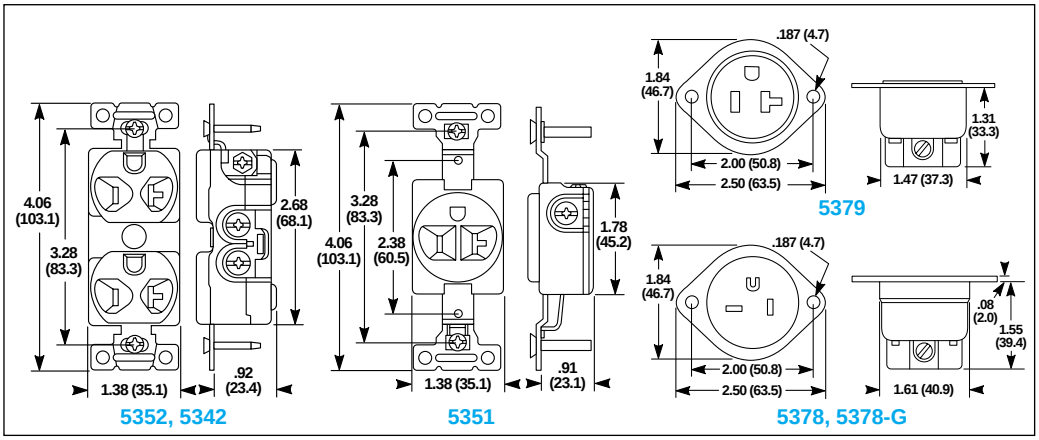
RECEPTACLES SIDE WIRED

5342	5351	Brown, nylon construction, self-grounding
5342-BLK	5351-BLK	Black, nylon construction, self-grounding
5342-GRY	—	Gray, nylon construction, self-grounding
5342-I	5351-I	Ivory, nylon construction, self-grounding
5342-RED	—	Red, nylon construction, self-grounding
5342-W	—	White, nylon construction, self-grounding

EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
5378	Male equipment base, white nylon cup, clamp-type back wiring
5378-G	Male equipment base, black thermoplastic with self-grounding strap, clamp-type back wiring
5379	Female equipment receptacle, white nylon cup, clamp-type back wiring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.

2 Pole 3 Wire Grounding 20 Amp 125V
Plugs and Connectors

5366-N

5369-N

5364-B

5369-B

5395

5393

Features - Specifications

PLUGS AND CONNECTORS

- Impact/chemical-resistant nylon/polymer construction with automatic cord grip
- Pre-attached TPE dust seal helps prevent contaminates from entering wiring chamber
- Two quick-fasten captive assembly screws automatically tighten cord grip
- Single side terminal screws reduce wiring time and are color coded for proper terminations
- Transparent terminal cover allows instant visual inspection for proper terminations
- Tapered individual wire pockets help prevent flashover and speed wiring termination
- Strip gauge for accurate wiring
- Verified under Fed. Spec. #WC596 (where applicable)

ALL PLUGS AND CONNECTORS

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM
- CE

ATTACHMENT PLUGS AND CONNECTORS

CATALOG NUMBER		CORD DIA.	DESCRIPTION
PLUG	CONNECTOR		
5366-N	5369-N	.245-.655 (6.2-16.6)	Black/white nylon/polymer
—	5369-NCAN	.245-.655 (6.2-16.6)	Same as above except CSA 5-20R configuration
8366-N①	8369-N①	.245-.655 (6.2-16.6)	White nylon/polymer, hospital grade
—	8369-NCAN①	.245-.655 (6.2-16.6)	Same as above except CSA 5-20R configuration
8366-T①	8369-T①	.245-.655 (6.2-16.6)	Transparent nylon/polycarbonate, hospital grade
8366-TSP②	8369-TSC②	.300-.655 (7.6-16.6)	Red/white nylon, water/dust-tight
5366-NSY	5369-NSY	.245-.655 (6.2-16.6)	Sentinel yellow nylon/polymer
5366-NCR③	5369-NCR③	.245-.655 (6.2-16.6)	Sentinel yellow nylon/polymer, corrosion resistant
5395④	—	.300-.625 (7.6-15.9)	12 position, black/white nylon, angle plug
8395-T④	—	.300-.625 (7.6-15.9)	12 position, transparent nylon/ polycarbonate, angle plug, hospital grade
5364-B④	5369-B④	.245-.655 (6.2-16.6)	Black thermoplastic
5364-BY④	5369-BY④	.245-.655 (6.2-16.6)	Yellow thermoplastic
1433-BRY	1533-BRY	.300-.655 (7.6-16.6)	Yellow elastomeric, dust tight
14W33-BRY	15W33-BRY	.300-.655 (7.6-16.6)	Yellow elastomeric, water tight

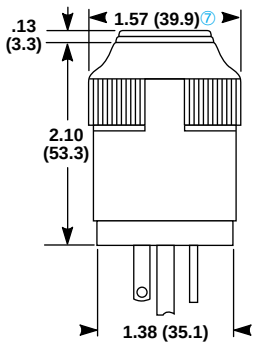
WEATHER PROTECTIVE PIGTAIL OUTLET

CATALOG NUMBER	DESCRIPTION
5393⑤	Yellow neoprene with three 6" (152.4) No. 14 wire leads

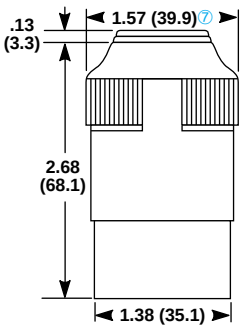
WEATHER PROTECTIVE BOOTS⑥

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	Thermoplastic elastomer
5200-BPB	5200-BP	Boot for use with 5366-N and 5364-B series plugs
5200-BCB	5200-BC	Boot for use with 5369-N and 5369-B series connectors
5200-BSRB	5200-BSR	Sealing ring for use with 5200 series connector boot

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



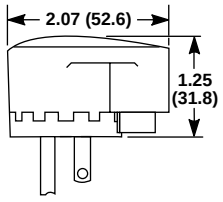
5366-N, 5364-B



5369-N, 5369-B

WEATHER PROTECTIVE BOOTS

5200-BPB, 5200-BCB w/5200-BSRB



5395

① See page C-3 for hospital grade Features - Specifications.
② See page B-16 for water/dust-tight Features - Specifications.
③ See page H-3 for corrosion resistant Features - Specifications.
④ Not all TECH-SPEC features apply to these devices. Consult factory.
⑤ Not listed by Underwriters' Laboratories, Inc.
⑥ See page H-12 for more information on weather protective boots.
⑦ Dimension is 1.53 (38.9) for catalog numbers 5364-B & 5369-B.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA 6-20

CSA 6-20R

TECH·SPEC®

2 Pole 3 Wire Grounding 20 Amp 250V
Back and Side Wired Industrial Grade Receptacles

5462

5461-I

5484

5478

5479

Features - Specifications

RECEPTACLES

- One-piece grounding system including integral self-grounding strap (5462 series)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (5461, 5484 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates
- Easily accessible break-off tab for two-circuit wiring
- Verified under Fed. Spec. #WC596 (where applicable)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
5462	5461	Brown nylon construction, self-grounding
5462-CAN①	5461-CAN①	Same as above except CSA 6-20R configuration
5462-BLK	5461-BLK	Black nylon construction, self-grounding
5462-GRY	5461-GRY	Gray nylon construction, self-grounding
5462-I	5461-I	Ivory nylon construction, self-grounding
5462-CANI①	5461-CANI①	Same as above except CSA 6-20R configuration
5462-RED	5461-RED	Red nylon construction, self-grounding
5462-W	5461-W	White nylon construction, self-grounding
—	5484	Brown nylon construction, 1.94 (49.3) mounting strap

CORROSION-RESISTANT②

5462-CR	5461-CR	Yellow nylon construction, self-grounding

ISOLATED GROUND③

5462-IG	—	Orange nylon construction

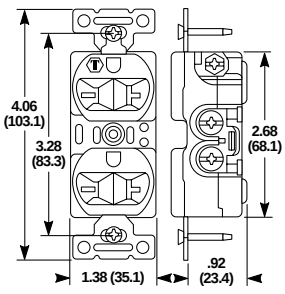
HEAVY DUTY, SIDE WIRED④

5442	—	Brown nylon construction, self-grounding
5442-I	—	Ivory nylon construction, self-grounding

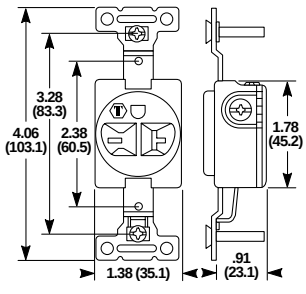
EQUIPMENT DEVICES④

CATALOG NUMBER	DESCRIPTION
5478	Male equipment base, white nylon cup, clamp-type back wiring
5479	Female equipment base, white nylon cup, clamp-type back wiring

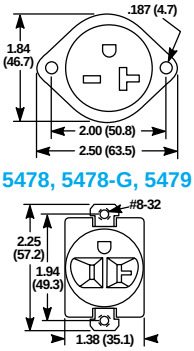
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



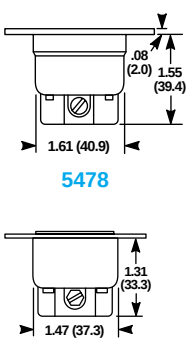
5462, 5442



5461



5478, 5478-G, 5479 — 5484



5478 — 5479

① Configured CSA 6-20R receptacles are supplied with Robertson head screws.
② See page H-3 for Corrosion Resistant Features - Specifications.
③ See page F-9 for Isolated Ground Features - Specifications.
④ See page B-9 for Features - Specifications.

Specifications are subject to change without notice.

2 Pole 3 Wire Grounding 20 Amp 250V
Plugs and Connectors

5466-N

5469-N

5464-B

5469-B

5475-N

Features - Specifications

PLUGS AND CONNECTORS

- Impact/chemical-resistant nylon/polymer construction with automatic cord grip
- Pre-attached TPE dust seal helps prevent contaminants from entering wiring chamber
- Two quick-fasten captive assembly screws automatically tighten cord grip
- Single side terminal screws reduce wiring time and are color coded for proper terminations
- Transparent terminal cover allows instant visual inspection for proper terminations
- Tapered individual wire pockets help prevent flashover and speed wiring termination
- Strip gauge for accurate wiring
- Clamp-type terminals
- Verified under Fed. Spec. #WC596 (where applicable)

ALL PLUGS AND CONNECTORS

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM
- CE

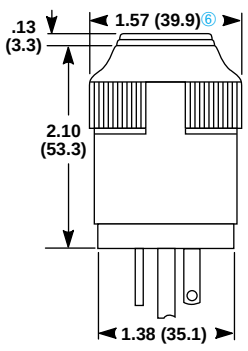
ATTACHMENT PLUGS AND CONNECTORS

CATALOG NUMBER		CORD DIA.	DESCRIPTION
PLUG	CONNECTOR		
5466-N	5469-N	.245-.655 (6.2-16.6)	Black & white nylon/polymer
—	5469-NCAN①	.245-.655 (6.2-16.6)	Same as above except CSA 6-20R configuration
8466-N②	8469-N②	.245-.655 (6.2-16.6)	White nylon/polymer, hospital grade
8466-TSP③	8469-TSC②	.300-.655 (7.6-16.6)	White nylon, water/dust-tight
5466-NSY	5469-NSY	.245-.655 (6.2-16.6)	Sentinel yellow nylon/polymer
5475-N④	—	.300-.625 (7.6-15.9)	12 position, black &white nylon, angle plug
8495-T②④	—	.300-.625 (7.6-15.9)	12 position, transparent nylon/ polycarbonate, angle plug
5464-B④	5469-B④	.245-.655 (6.2-16.6)	Black thermoplastic

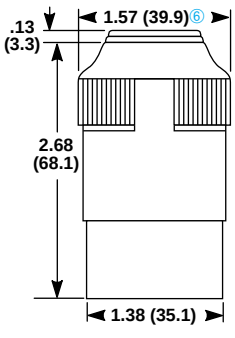
WEATHER PROTECTIVE BOOTS⑤

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	Thermoplastic elastomer
5200-BPB	5200-BP	Boot for use with 5466-N and 5464-B series plugs
5200-BCB	5200-BC	Boot for use with 5469-N and 5469-B series connectors
5200-BSRB	5200-BSR	Sealing ring for use with 5200 series connector boot

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



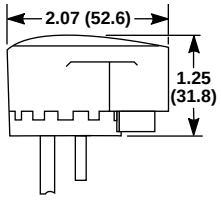
5466-N, 5464-B



5469-N, 5469-B

WEATHER PROTECTIVE BOOTS

5200-BPB, 5200-BCB w/5200-BSRB



5475-N, 8495-T

① Not listed by Underwriter's Laboratories, Inc.
② See page C-7 and/or C-8 for hospital grade Features - Specifications.
③ See page B-16 for water/dust-tight Features - Specifications.
④ Not all TECH-SPEC features apply to these devices. Consult factory.
⑤ See page H-12 for more information on weather protective boots.
⑥ Dimension is 1.53 (38.9) for catalog numbers 5464-B & 5469-B.

See page O-3 for horsepower rating.

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 6-15

NEMA 5-20

NEMA 6-20

NEMA L5-15

Combination Receptacles
Back and Side Wired Industrial Grade

Features - Specifications

- Full-face wraparound design is molded of high-impact, chemical-resistant nylon (except 4792)
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- One-piece triple-wipe brass line contacts
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire (except 4792)
- Back wiring: clamp-type terminals accepts up to #10 wire
- Approved for CU wire only
- Double-wipe brass grounding contacts
- Large green, combination Phillips/ slotted hex head grounding screw (except 4792)
- Thread cleaning captive combination phillips/slotted mounting screws (except 4792)
- UL Listed File #E2258 – Guide #RTRT
- NOM

5292-I

2 POLE 3 WIRE 15 AMP 125V; 15 AMP 250V GROUNDING DUPLEX RECEPTACLES NEMA 5-15 AND NEMA 6-15

CATALOG NUMBER	DESCRIPTION
5292	Brown nylon construction, back and side wired, self-grounding
5292-I	Ivory nylon construction, back and side wired, self-grounding

5492

2 POLE 3 WIRE 20 AMP 125V; 20 AMP 250V GROUNDING DUPLEX RECEPTACLES NEMA 5-20 AND NEMA 6-20

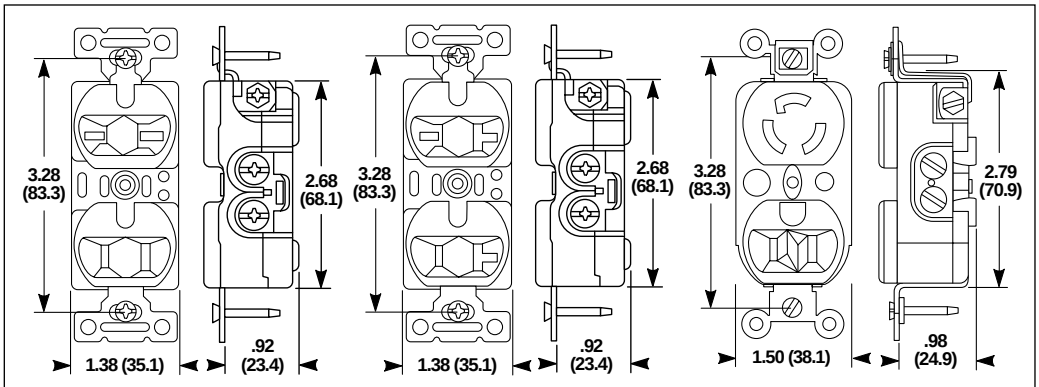
CATALOG NUMBER	DESCRIPTION
5492	Brown nylon construction, back and side wired, self-grounding
5492-GRY	Gray nylon construction, back and side wired, self-grounding
5492-I	Ivory nylon construction, back and side wired, self-grounding

2 POLE 3 WIRE 15 AMP 125V GROUNDING STRAIGHT BLADE AND LOCKING RECEPTACLE NEMA 5-15 AND NEMA L5-15

CATALOG NUMBER	DESCRIPTION
4792	Brown phenolic, back and side wired, one feed, one return common to both outlets

4792

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Combination devices accommodate standard duplex wall plates.
Specifications are subject to change without notice.

NEMA 5-15 NEMA 6-15 NEMA 5-20 NEMA 6-20

COBRA™ 2 Pole 3 Wire Grounding

15 Amp 125V; 15 Amp 250V; 20 Amp 125V; 20 Amp 250V, Straight Blade Plugs and Connectors

NEW! 5965-Y

NEW! 5969-Y

NEW! 5966-VBK

NEW! 5969-VBK

Features - Specifications

- Impact/chemical-resistant nylon construction
- Hinged one piece body opens wide for quick and easy wiring
- Molded finger grips promote safe, sure handling
- Enclosed terminals provide secure, internally-clamped connections
- Adjustable clamps fit round cord .23-.72" (5.8-18.3) or flat SPT 14 to 12 AWG
- Tri-drive terminal and assembly screws. Slotted, Phillips and Robertson head
- Available in high-visibility yellow and hospital grade gray
- NEMA configuration and ratings molded on device
- UL Listed File # E1381 Guide # AXUT
- CSA Certified

5966-VBK & 5969-VBK

- Insulation piercing blades eliminates stripping insulation on individual conductors
- Accommodates cord from .230 to .360 (5.3-9.1)
- UL Listed File #E1381 Guide #AXUT
- CSA Certified
- Ratings molded on device

15AMP 125V NEMA 5-15

CATALOG NUMBER	DESCRIPTION
5965-Y	High visibility yellow nylon plug
5969-Y	High visibility yellow nylon connector
8115-GY	Gray hospital grade nylon plug
5966-VBK	Black nylon plug, insulation displacement
5969-VBK	Black nylon connector, insulation displacement

20 AMP 125V NEMA 5-20

CATALOG NUMBER	DESCRIPTION
5364-Y	High visibility yellow nylon plug
5369-Y	High visibility yellow nylon connector

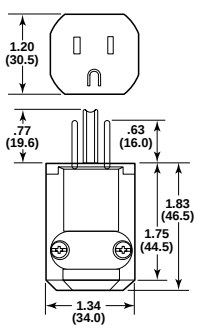
15 AMP 250V NEMA 6-15

CATALOG NUMBER	DESCRIPTION
5666-Y	High visibility yellow nylon plug
5669-Y	High visibility yellow nylon connector

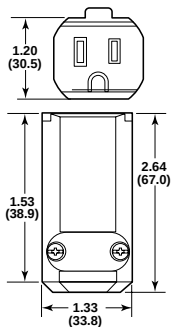
20 AMP 250V NEMA 6-20

CATALOG NUMBER	DESCRIPTION
5464-Y	High visibility yellow nylon plug
5469-Y	High visibility yellow nylon connector

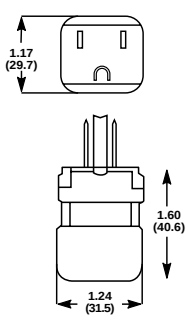
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



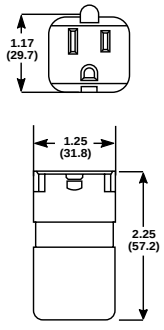
5965-Y



5969-Y



5966-VBK



5969-VBK

Specifications are subject to change without notice.

BRYANT

NEMA 5-30

NEMA 6-30

2 Pole 3 Wire Grounding
30 Amp 125V; 30 Amp 250V
Straight Blade Devices

9530-ANP

9530-FR

9630-NP

9630-NC

Features - Specifications

ANGLE PLUG
- Rugged nylon angle plug with four-position adjustment
- Nonmetallic nylon cord grip
- Dead front construction
- High-impact, arc-resistant melamine face
- Pressure terminals for quick, easy wiring

ALL PLUGS AND CONNECTORS
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2 (except connectors)
- NOM

FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Pressure terminals tin-plated to resist corrosion
- Heavy-duty double-wipe contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- NOM

30 AMP 125V NEMA 5-30

CATALOG NUMBER	CORD DIA.	DESCRIPTION
9530-FR①	—	Flush receptacle, black urea
9530-IG	—	Flush receptacle, isolated ground, orange urea
9530-ANP	.625-1.380 (15.9-35.1)	Angle plug, white nylon
9530-NP	.425-1.320 (10.8-33.5)	Plug, gray thermoplastic
9530-NC	.425-1.320 (10.8-33.5)	Connector, gray thermoplastic

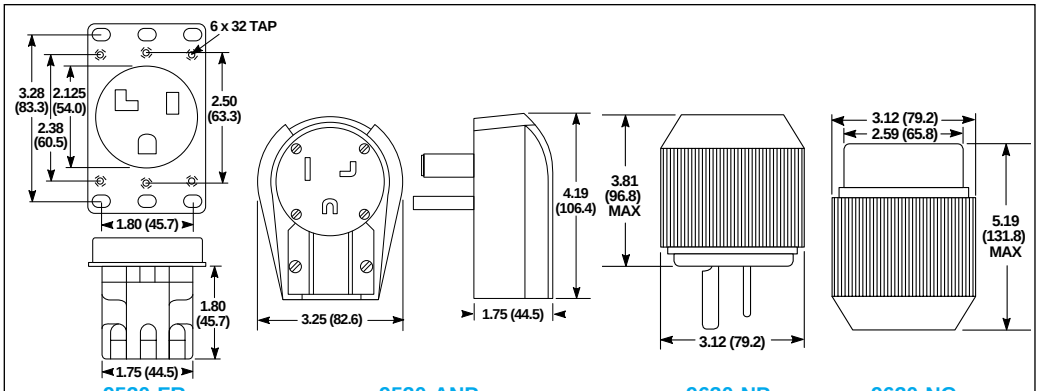
30 AMP 250V NEMA 6-30

9630-FR①	—	Flush receptacle, black urea
9630-IG	—	Flush receptacle, isolated ground, orange urea
9630-ANP	.625-1.380 (15.9-35.1)	Angle plug, white nylon
9630-NP	.425-1.320 (10.8-33.5)	Plug, gray thermoplastic
9630-NC	.425-1.320 (10.8-33.5)	Connector, gray thermoplastic

PLATES FOR FLUSH RECEPTACLES②

CATALOG NUMBER	DESCRIPTION
S616	Plate, stainless steel, type 302/304, single gang
S654	Plate, stainless steel, type 302/304, two-gang
7427-B	Outdoor cast aluminum plate with lift cover

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9530-FR 9530-ANP 9630-NP 9630-NC

①Receptacles can be mounted in single or two-gang boxes.
②For more information on plates see sections L & M.

Specifications are subject to change without notice.

BRYANT

NEMA 5-50

NEMA 6-50

2 Pole 3 Wire Grounding
50 Amp 125V; 50 Amp 250V
Straight Blade Devices

9550-ANP

9550-FR

9650-NP

9650-NC

Features - Specifications

ANGLE PLUG

- Rugged nylon angle plug with four-position adjustment
- Nonmetallic nylon cord grip
- Dead front construction
- High-impact, arc-resistant melamine face
- Pressure terminals for quick, easy wiring

ALL PLUGS AND CONNECTORS

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2 (except connectors)
- NOM

FLUSH RECEPTACLE

- Face molded of arc-resistant urea
- Pressure terminals tin-plated to resist corrosion
- Heavy-duty double-wipe contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- NOM

50 AMP 125V NEMA 5-50

CATALOG NUMBER	CORD DIA.	DESCRIPTION
9550-FR①	—	Flush receptacle, black urea
9550-IG	—	Flush receptacle, isolated ground, orange urea
9550-ANP	.625-1.380 (15.9-35.1)	Angle plug, white nylon

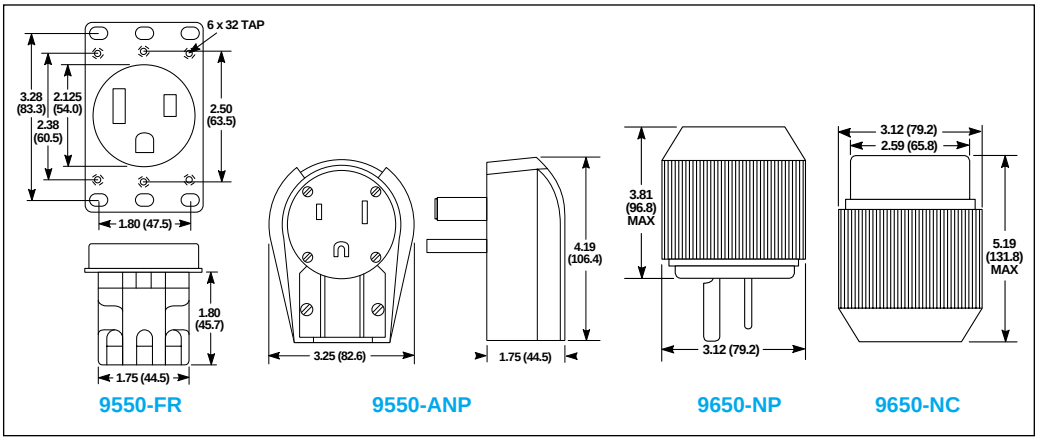
50 AMP 250V NEMA 6-50

9650-FR①	—	Flush receptacle, black urea
9650-IG	—	Flush receptacle, isolated ground, orange urea
9650-ANP	.625-1.380 (15.9-35.1)	Angle plug, white nylon
9650-NP	.425-1.320 (10.8-33.5)	Plug, gray thermoplastic
9650-NC	.425-1.320 (10.8-33.5)	Connector, gray thermoplastic

PLATES FOR FLUSH RECEPTACLES②

CATALOG NUMBER	DESCRIPTION
S616	Plate, stainless steel, type 302/304, single gang
S654	Plate, stainless steel, type 302/304, two-gang
7427-B	Outdoor cast aluminum plate with lift cover

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9550-FR 9550-ANP 9650-NP 9650-NC

①Receptacles can be mounted in single or two-gang boxes.
②For more information on plates see sections L & M.

Specifications are subject to change without notice.

BRYANT

NEMA 10-20

3 Pole 3 Wire
20 Amp 125/250V
Straight Blade Devices

9326

9151-N

9321

Features - Specifications

SINGLE RECEPTACLE

- Molded of arc-resistant thermoset material
- One-piece double-wipe brass line contacts
- Back wiring: clamp-type terminals
- Approved for CU only
- Double-wipe brass grounding contacts
- Thread-cleaning captive mounting screws
- Strip gauge for accurate wiring
- Rust-resistant yoke provides maximum surface contact
- UL Listed File #E2258 – Guide #RTRT (9326)
- NOM

ATTACHMENT PLUG AND CONNECTOR

- Conform to NEMA and ANSI Standards
- Clamp-type terminals
- UL Listed File #E1381 – Guide #AXUT
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM

Devices listed on this page have no provision for a grounding conductor. They are intended for use in applications where a separate grounding means is provided.

SINGLE RECEPTACLE

CATALOG NUMBER	DESCRIPTION
9326	Single receptacle, back and side wired

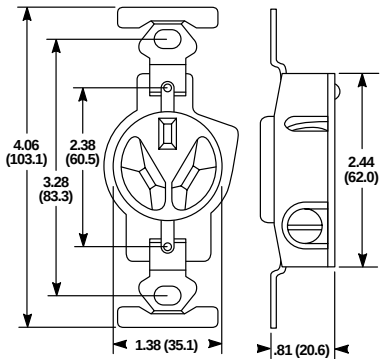
PLATES FOR SINGLE RECEPTACLE①

CATALOG NUMBER	DESCRIPTION
S611	1-gang type 302/304 stainless steel
S655	2-gang type 302/304 stainless steel
7418B	Outdoor cast aluminum plate with lift cover

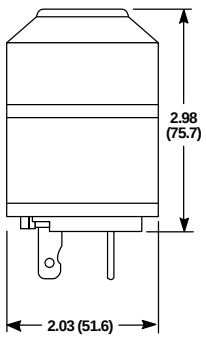
ATTACHMENT PLUGS AND CONNECTORS

CATALOG NUMBER	CORD. DIA.	DESCRIPTION
9151-N	.320-.910 (8.1-23.1)	Plug, yellow thermoplastic, with cord grip
9321	.320-.910 (8.1-23.1)	Connector, yellow thermoplastic, with cord grip

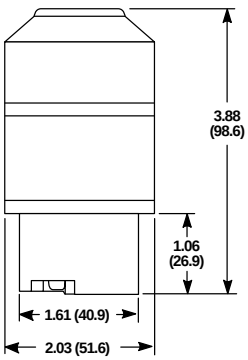
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9326



9151-N



9321

①See Sections L & M for information on plates.

Specifications are subject to change without notice.

3 Pole 3 Wire
30 Amp 125/250V; 50 Amp 125/250V
Straight Blade Devices

9303

3926-BRY

9337-NP

9337-NC

Features - Specifications

FLUSH RECEPTACLE

- Face molded of arc-resistant urea
- Pressure terminals tin-plated to resist corrosion
- Heavy-duty double-wipe contacts
- Recommended for heavy-duty applications such as commercial and institutional electric dryers and ranges
- UL Listed File #E2258 – Guide #RTRT (9303)
- NOM

PLUG AND CONNECTOR

- UL Listed File #E1381 – Guide #AXUT (9337-NP, 9337-NC)
- NOM

Devices listed on this page have no provision for a grounding conductor. They are intended for use in applications where a separate grounding means is provided.

FLUSH RECEPTACLES

CATALOG NUMBER		DESCRIPTION
NEMA 10-30 30 AMP 125/250V	NEMA 10-50 50 AMP 125/250V	
9303①	9306	Single flush receptacle, black urea

PLATES FOR FLUSH RECEPTACLES②

CATALOG NUMBER	DESCRIPTION
S616	1-gang type 302/304 stainless steel
S654	2-gang type 302/304 stainless steel
7427B	Outdoor cast aluminum plate with lift cover

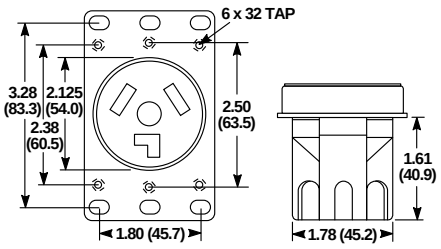
SURFACE RECEPTACLE 50 AMP 125/250V NEMA 10-50

CATALOG NUMBER	DESCRIPTION
3926-BRY	Surface receptacle, black phenolic, aluminum enclosure

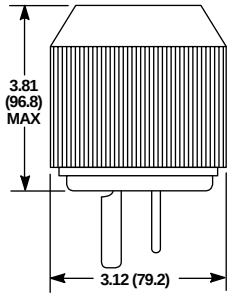
ATTACHMENT PLUGS AND CONNECTORS

CATALOG NUMBER		CORD DIA.	DESCRIPTION
NEMA 10-30 30 AMP 125/250V	NEMA 10-50 50 AMP 125/250V		
9337-NP	7513-NP	.425-1.320 (10.8-33.5)	Plug, gray thermoplastic
9337-NC	7516-NC	.425-1.320 (10.8-33.5)	Connector, gray thermoplastic

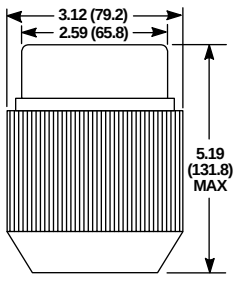
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9303, 9306



7513-NP, 9337-NP



7516-NC, 9337-NC

①9303 can be installed in single or two-gang boxes.
②For more information on plates, see Sections L & M.

Specifications are subject to change without notice.

BRYANT

NEMA 14-30

NEMA 14-50

NEMA 14-60

3 Pole 4 Wire Grounding
30 Amp 125/250V; 50 Amp 125/250V; 60 Amp 125/250V; Straight Blade Devices

9430-FR

9432-ANP

9450-FR

9452-ANP

9450-NP

Features - Specifications

ANGLE PLUG
- Rugged nylon angle plug with four-position adjustment
- Nonmetallic nylon cord grip
- Dead front construction
- High-impact, arc-resistant melamine face
- Pressure terminals for secure wiring

ALL PLUGS
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM

FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Pressure terminals tin-plated to resist corrosion
- Heavy-duty double-wipe contacts
- UL Listed File #E2258 – Guide #RTRT (9430-FR, 9450-FR, 9460-FR)
- CSA Certified File #LR16215 – Guide #365E1 (9430-FR, 9450-FR, 9460-FR)
- NOM

30 AMP 125/250V RECEPTACLES AND ATTACHMENT PLUGS NEMA 14-30

CAT. NO.	CORD DIA.	PLATES (2 GANG)①		DESCRIPTION
		STAINLESS STEEL TYPE 302/304	.040 (1.0) BRASS	
9430-FR②	—	S654K	S2854K	Flush receptacle, black urea
9432-ANP	.625-1.380 (15.9-35.1)	—	—	Angle plug, nylon, with cord grip

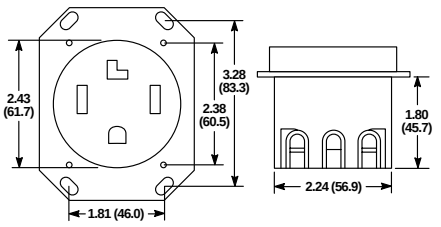
50 AMP 125/250V RECEPTACLE AND ATTACHMENT PLUGS NEMA 14-50

9450-FR②	—	S654K	S2854K	Flush receptacle, black urea
9452-ANP	.625-1.320 (15.9-33.5)	—	—	Angle plug, nylon
9450-NP	.425-1.320 (10.8-33.5)	—	—	Plug, gray thermoplastic

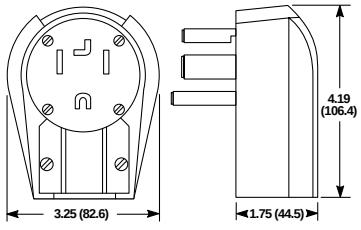
60 AMP 125/250V RECEPTACLE AND ATTACHMENT PLUGS NEMA 14-60

9460-FR②	—	S654K	S2854K	Flush receptacle, black urea
9462-ANP	.625-1.320 (15.9-33.5)	—	—	Angle plug, nylon
9460-NP	.425-1.320 (10.8-33.5)	—	—	Plug, gray thermoplastic

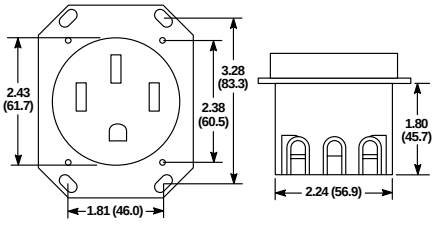
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



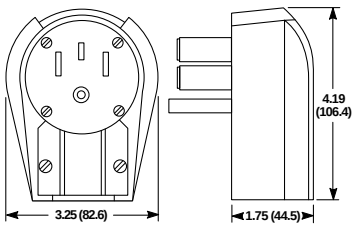
9430-FR



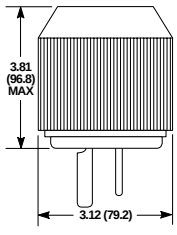
9432-ANP



9450-FR, 9460-FR

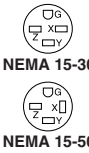


9452-ANP, 9462-ANP



9450-NP, 9460-NP

①For more information on plates, see Section M.
②Receptacles fit standard boxes 4 11/16" square and not less than 2⅛" (54.0) deep.
Specifications are subject to change without notice.



3 Pole 4 Wire Grounding
30 Amp 250V 3ØΔ; 50 Amp 250V 3ØΔ; 60 Amp 250V 3ØΔ; Straight Blade Devices

8430-FR

8460-FR

8460-NP

8432-ANP

8462-ANP

Features - Specifications

ANGLE PLUG
- Rugged nylon angle plug with four-position adjustment
- Nonmetallic nylon cord grip
- Dead front construction
- High-impact, arc-resistant melamine face
- Pressure terminals for secure wiring

ALL PLUGS
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM

FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Pressure terminals tin-plated to resist corrosion
- Rust-resistant yoke
- Heavy-duty double-wipe contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- NOM

30 AMP 250V 3ØΔ RECEPTACLES AND ATTACHMENT PLUGS NEMA 15-30

CAT. NO.	CORD DIA.	PLATES (2 GANG)①		DESCRIPTION
		STAINLESS STEEL TYPE 302/304	.040 (1.0) BRASS	
8430-FR②	—	S654K	S2854K	Flush receptacle, black urea
8432-ANP	.625-1.320 (15.9-33.5)	—	—	Angle plug, nylon
8430-NP	.425-1.320 (10.8-33.5)	—	—	Plug, gray thermoplastic

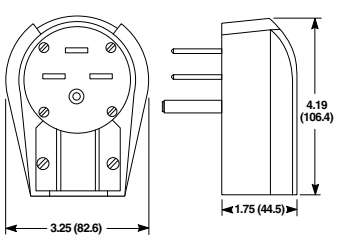
50 AMP 250V 3ØΔ RECEPTACLES AND ATTACHMENT PLUGS NEMA 15-50

8450-FR②	—	S654K	S2854K	Flush receptacle, black urea
8452-ANP	.625-1.320 (15.9-33.5)	—	—	Angle plug, nylon
8450-NP	.425-1.320 (10.8-33.5)	—	—	Plug, gray thermoplastic

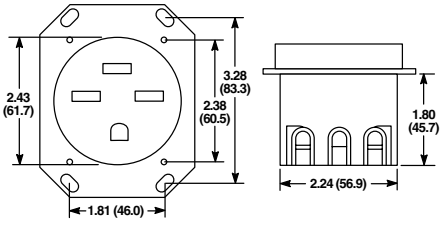
60 AMP 250V 3ØΔ RECEPTACLES AND ATTACHMENT PLUGS NEMA 15-60

8460-FR②	—	S654K	S2854K	Flush receptacle, black urea
8462-ANP	.625-1.320 (15.9-33.5)	—	—	Angle plug, nylon
8460-NP	.425-1.320 (10.8-33.5)	—	—	Plug, gray thermoplastic

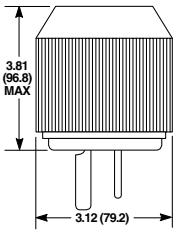
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



8432-ANP, 8452-ANP, 8462-ANP



8430-FR, 8450-FR, 8460-FR



8430-NP, 8450-NP, 8460-NP

①For more information on plates see Section M.
②Receptacle fits standard boxes 4 11/16" (119.1) square and not less than 2 1/8" (54.0) deep.
Specifications are subject to change without notice.

BRYANT

NEMA 18-20

NEMA 18-50

NEMA 18-60

4 Pole 4 Wire
20 Amp 120/208V 3ØY; 50 Amp 120/208V 3ØY; 60 Amp 120/208V 3ØY; Straight Blade Devices

7250

7251-N

8350-FR

8352-ANP

8360-FR

Features - Specifications

ANGLE PLUG
- Rugged nylon angle plug with four-position adjustment
- Nonmetallic nylon cord grip
- Dead front construction
- High-impact, arc-resistant melamine face
- Lug-type pressure terminals for secure wiring

ALL PLUGS
- UL Listed File #E1381 – Guide #AXUT
- NOM

FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Pressure terminals tin-plated to resist corrosion
- Heavy-duty double-wipe contacts
- UL Listed File #E2258 – Guide #RTRT
- NOM

Devices listed on this page have no provision for a grounding conductor. They are intended for use in applications where a separate grounding means is provided.

20 AMP 120/208V 3ØY RECEPTACLE AND ATTACHMENT PLUG NEMA 18-20

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7250	—	Flush receptacle, black phenolic
7251-N	.375-1.000 (9.5-25.4)	Plug, gray Lexan® with cord grip, dead front

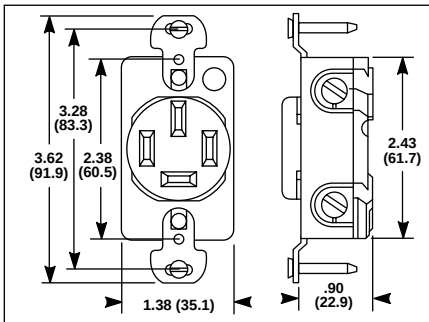
50 AMP 120/208V 3ØY RECEPTACLE AND ATTACHMENT PLUG NEMA 18-50

CAT. NO.	CORD DIA.	PLATES (2 GANG)①		DESCRIPTION
		STAINLESS STEEL TYPE 302/304	.040 (1.0) BRASS	
8350-FR②	—	S654K	S2854K	Flush receptacle, black urea
8352-ANP	.625-1.320 (15.9-33.5)	—	—	Angle plug, nylon,

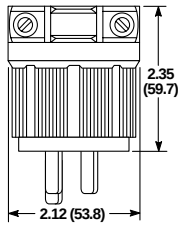
60 AMP 120/208V 3ØY RECEPTACLE AND ATTACHMENT PLUG NEMA 18-60

8360-FR②	—	S654K	S2854K	Flush receptacle, black urea
8362-ANP	.625-1.320	—	—	Angle plug, nylon

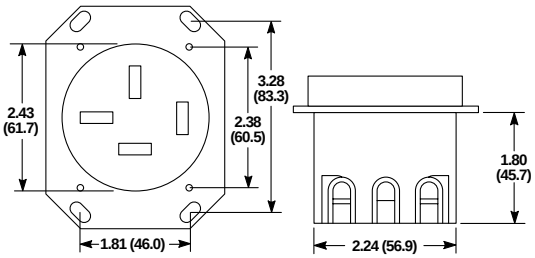
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



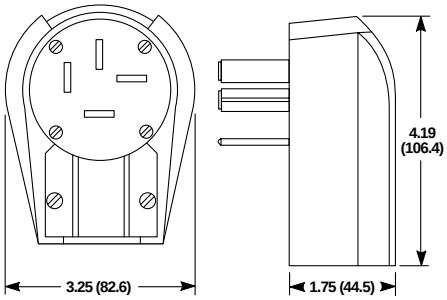
7250



7251-N



8350-FR, 8360-FR

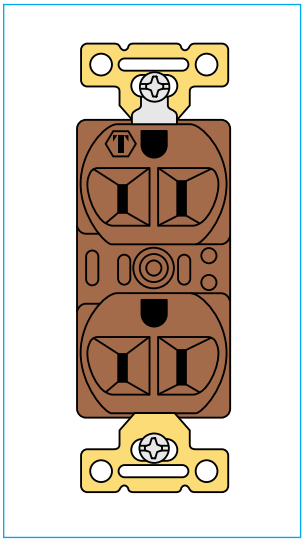


8352-ANP, 8362-ANP

① For more information on plates see Section M.
② Receptacle fits standard boxes 4 11/16" (119.1) square and not less than 2⅛" (54.0) deep.

Specifications are subject to change without notice.

STRAIGHT BLADE DUPLEX RECEPTACLE



DESCRIPTION

Typical Specification — Catalog No. 5262

Manufacturer's Identification — Bryant 5262

Description — Industrial Straight Blade Duplex Receptacle

Type — 2 Pole, 3 Wire, Grounding

Rating — 15A, 125V

CERTIFICATION

- UL Listed, File E2258, Guide RTRT
- Verified under Fed Spec WC596
- Complies with NEMA WD-1 Heavy Duty and WD-6 requirements
- Listed to UL Standard 498
- Certified to CSA, C22.2, No. 42 where applicable

COMPONENTS	MATERIALS
Cover	Nylon
Base	Nylon
Line Contacts	.031" (688) Brass
Clamp Nut	Steel
Mounting Yoke	Steel, Nickel and Brass Plates .050" (1.3)
Terminal Screws	Combination Brass #10-32
Grounding Screw	Combination Brass (Green) #8-32
Auto. Grounding Assembly	688 Brass
Mounting Screws	Combination Steel-Zinc Plated

PERFORMANCE

Electrical

Dielectric Voltage . . . . . Withstands 2,000V minimum
Max. Working Voltage 250V
Current Interrupting . . . . . Certified for current interrupting at full rated current
Temperature Rise . . . . . Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current with direct current

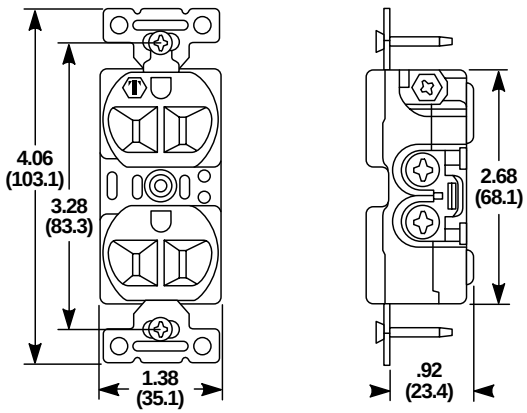
Mechanical

Terminal Identification . . . . . Terminals identified in accordance with UL 498 (Brass, White, Green)
Terminal Accommodation . . . . . #14 — #10 AWG copper conductor only
Product Identification . . . . . Ratings are a permanent part of the device

Environmental

Flammability . . . . . Top: UL 94 V2
Base: UL 94 V2
Operating Temperatures . . . . . Maximum continuous 60°C, minimum -40°C (w/o impact)

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



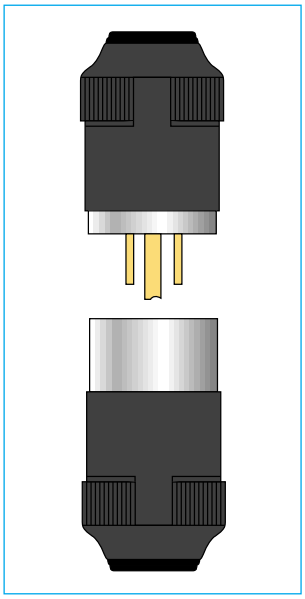
5262

See catalog page B-7 for catalog numbers, features, product descriptions and product photographs.

Specifications are subject to change without notice.

Industrial Grade
Straight Blade Plugs and Connectors
Technical Specifications

STRAIGHT BLADE PLUG AND CONNECTOR



TYPICAL SPECIFICATION

Manufacturer's Identification — Bryant 5266N, 5269N — Heavy-duty Straight Blade Plug/Connector
Type — 2 Pole 3 Wire, Grounding
Rating — 15A, 125V
Configuration — NEMA 5-15

CERTIFICATION

- Listed to UL Standard 498 (Attachment Plug and Receptacles)
- Certified to CSA Standard C22.2 No. 42M1984 (General Use Receptacles)
- UL Listed File #E1381 Guide AXUT
- CSA Certified File #LR16215, Guide 20T2
- Federal Specifications WC596 (where applicable)
- Complies with NEMA Standards WD-1, WD-6
- NOM
- CE

COMPONENTS	MATERIALS
Face/Cord Grip	Impact Modified Nylon
Cover (Housing)	High-Impact, V-O Valox®
Terminal Cover	Clear Polycarbonate
Dust Seal	Thermoplastic Elastomer
Plug Blades	Brass
Connector Contacts	High Performance Copper Alloy
Terminal Clamp Nut	Zinc-Plated Steel
Terminal Screws	8-32 Brass, Silver Finish on Neutral Screw, Green Finish on Grounding Screw
Assembly Screws	Zinc-Plated Steel

PERFORMANCE

Electrical

Dielectric Voltage . . . . . Withstands 1500V per UL498.
Max. Working Voltage . . . . . 250V AC or DC.
Current Interrupting . . . . . Certified for current interrupting at full rated current.
Temperature Rise . . . . . Less than 30°C temperature rise at full rated current after 50 cycles overload at 150% rated current for either AC or DC applications per UL498

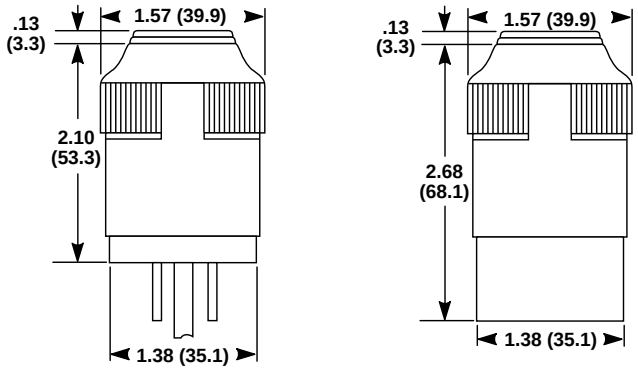
Mechanical

Terminal Identification . . . . . Brass, hot; green, grounding; silver, neutral
Terminal Accommodations. . . . . #18 — #10 AWG flexible cord.
Product Identification . . . . . Ratings and NEMA identification are permanently marked on device.
Cord Accommodation. . . . . Round portable service cords in accordance with device ratings as defined in UL Standard 62, CSA C22.2 No. 49
Cord Grip Range . . . . . .245" - .655" (6.2-16.6).

Environmental

Flammability . . . . . HB or better per UL 94.
Operating Temperatures . . . . . Maximum continuous 60°C, minimum -40°C.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.
Valox® is a registered trademark of General Electric Co.

Section C

HOSPITAL GRADE DEVICES, 15 AND 20 AMPS

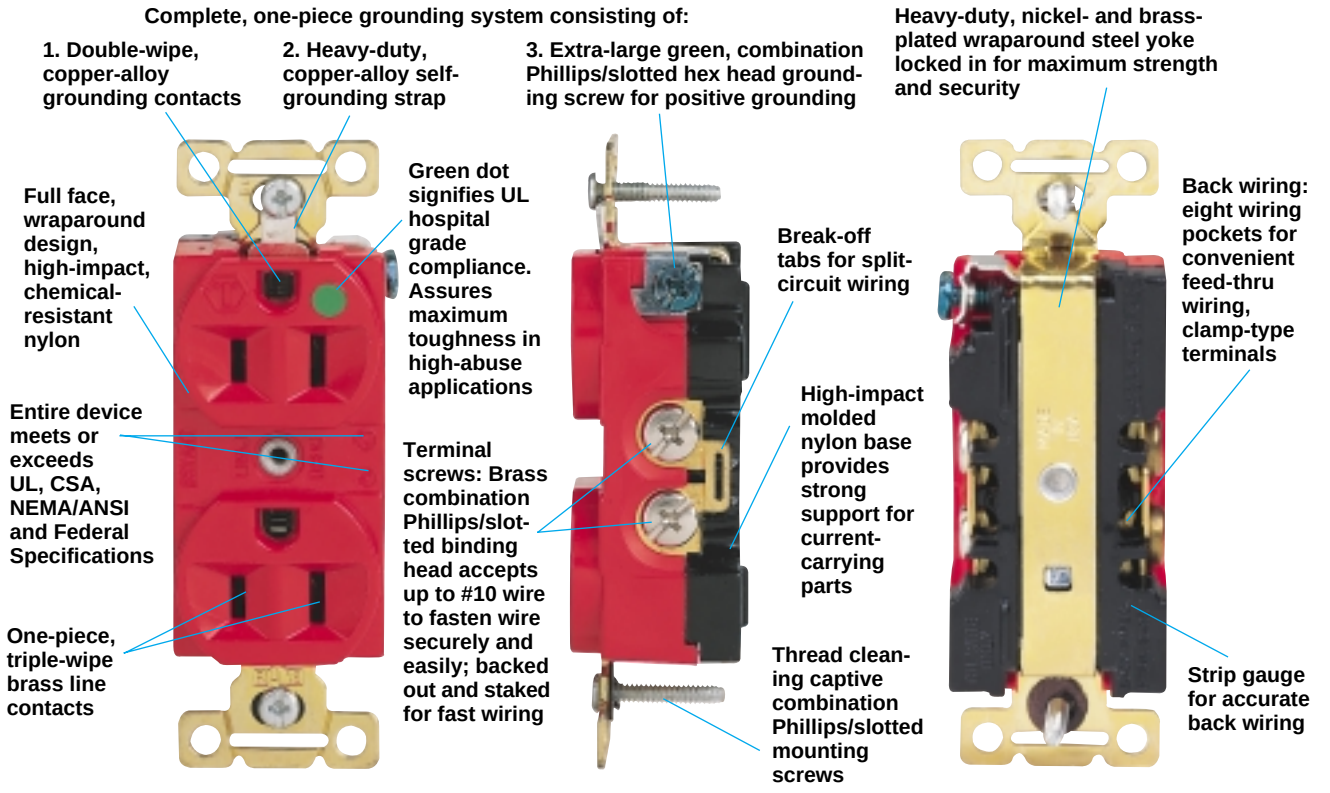
Section C Index

HOSPITAL GRADE DEVICES, 15 AND 20 AMPS

Product Features C1, C2
Duplex and Single Receptacles C3, C4
Fashion Series™ 9000 Receptacles C5, C6
Fashion Trim Receptacles C5, C6
Quadplex® Receptacles C9
Tamper Resistant Receptacles C3, C4
Lighted Face Receptacles C3-C6
Isolated Ground Receptacles C3-C6
GFR® Ground Fault Receptacles C11
Surge Suppression Receptacles C12
Hospital Use Wall Plates C13
Plugs and Connectors C7
C-Thru® Angle Plugs C8
Hospital Only Devices C10
Duplex Receptacle Specifications C14, C15

BRYANT

Product Features
TECH·SPEC® Single and Duplex Receptacles
Hospital Grade



8200-RED

C 1

SUPER-SAFE DESIGN

Bryant hospital grade receptacles are specifically designed to provide maximum safety and withstand severe abuse in hospitals and heavy-duty industrial applications. The green dot ● signifying UL hospital grade listing is more than just a symbol of compliance. It is your assurance that each device has passed the most stringent requirements for grounding reliability . . . security of assembly . . . strength . . . and durability.

AVAILABLE HOSPITAL GRADE TYPES

- 15 amp 125V; 20 amp 125V
- Single and duplex receptacles
- Brown, ivory, gray, red, and white
- Fashion Series™ 9000 receptacles
- Safety Shutter™ receptacles
- Ground fault receptacles
- Isolated ground receptacles
- Surge suppression receptacles
- Lighted face receptacles
- Compact, .73" (18.5) deep Fashion Trim receptacles

UL TEST REQUIREMENTS

Bryant hospital grade receptacles meet or exceed the following hospital grade UL tests:

- Abrupt removal of plug
- Ground pin retention
- Terminal strength
- Assembly security
- Face impact
- Ground contact temperature
- Ground contact resistance
- Fault current test
- Mold stress relief

SPECIFICATIONS

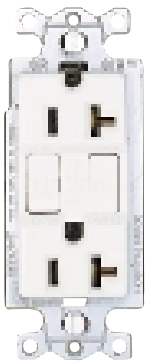
Bryant hospital grade receptacles conform to the following specifications:

- UL hospital grade standards #498 and #544
- Federal Specification W-C 596 where applicable
- NEMA Standards WD-1, WD-6
- NEMA 5-15R and 5-20R
- CSA Certified where applicable

Single Receptacle
8210-I

Tamper Resistant
8300-GTR

Lighted Face
8200-IL

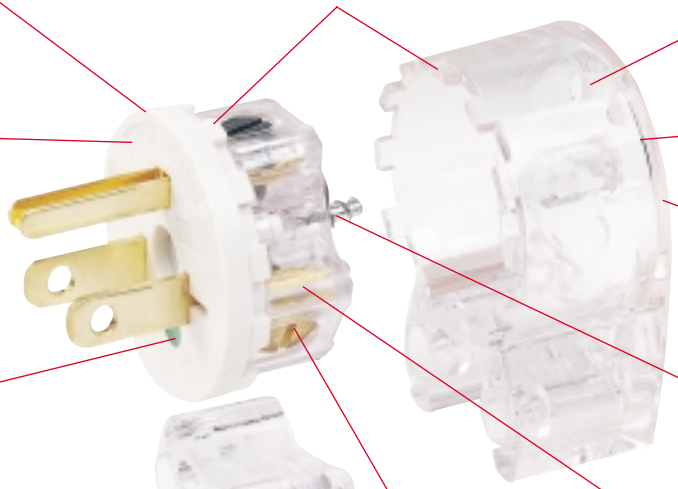


Ground Fault Interrupter
GFR53-FTW

Fashion Series™ 9000
9300-I

Surge Suppression, Isolated Ground
SP53-TIGIA

Product Features
Plugs and Connectors
Hospital Grade



Nylon dead front construction prevents accidental contact with live parts

Interlocking teeth prevent cover from rotating on plug body when cord is pulled. Assures integrity of assembly for each of 12 angle positions.

Transparent C-Thru® wiring chamber and cover for visual inspection of wire terminations without disassembly

Device meets or exceeds UL, CSA, NEMA/ANSI and Federal Specification requirements

Rugged polycarbonate construction

No exposed metal parts on hand-held side

UL hospital grade listing assures maximum toughness in high-abuse applications

Strip gauge for accurate wiring

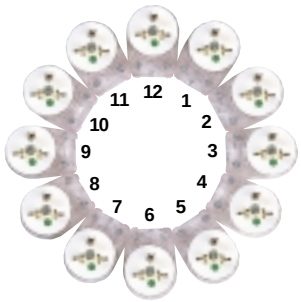
Assembly and cord grip screws install from front to avoid accidental energizing of hand-held portion of plug

Individual wire pockets allow maximum conductor separation to prevent flashover between conductors

Clamp-type terminals provide secure terminations; terminal screws are color-coded for easy identification

Nonmetallic cord grip firmly grips power cord; assures maximum strain relief. Accepts 3-conductor cords .300-.625 (7.6-15.9) diameter

8295-T



The Bryant C-Thru® angle plug can be assembled in any one of 12 different angle positions from 1 o'clock to 12 o'clock (see illustration above).
Unique design provides optimum application flexibility. Angle plugs are also available in standard white nylon in both straight blade and locking configurations

8266-N 8269-N

8266-T 8269-T

In addition to the C-Thru angle plug, Bryant offers a complete line of straight body design hospital grade plugs and connectors in white and transparent nylon/polymer, 15 amp and 20 amp, 125 and 250V.
Hospital grade devices meet or exceed UL's toughest hospital grade test requirements and comply with UL Standards #498 and #544

All Bryant angle devices are ideally suited for any location where space restrictions or obstructions require the power cord to lay close to the wall or flat against the floor.
Bryant hospital grade C-Thru angle plugs are designed for straight blade applications in hospitals, industrial plants, commercial facilities, schools – wherever attachment plugs must withstand severe abuse

No matter which angle position you choose, you're assured of the safety of straight-in wiring. Power cord exits parallel to receptacle face, eliminating the space needed for cord to bend. Allows machinery to be placed close to the wall; minimizes the possibility of cord breakage and internal shorts.
Exclusive Bryant safety design features no metal parts on hand-held portion of plug

BRYANT

NEMA 5-15

TECH·SPEC®

2 Pole 3 Wire Grounding 15 Amp 125V

Back and Side Wired Hospital Grade Receptacles

8200

8210-I

8200-ITR②

8200-IG

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 and 544
- One-piece grounding system with integral self-grounding strap (8200)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (single receptacles 8210 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates (8200)
- Easily accessible break-off tab for two-circuit wiring (8200)
- Verified under Fed. Spec. #WC596 (where applicable)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1 (8200, 8210)
- NOM

TAMPER RESISTANT RECEPTACLES

- Nylon face resists abuse and chemicals
- Tamper resistant shutters specifically engineered with two spring loaded slides to provide maximum tamper resistance
- Thermoplastic base provides high strength and electrical integrity
- Heavy-duty brass yoke provides high strength and corrosion resistance

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
8200	8210	Brown, nylon construction, self-grounding
8200-C	—	Same as above except with Robertson head screws
8200-GRY	8210-GRY	Gray, nylon construction, self-grounding
8200-I	8210-I	Ivory, nylon construction, self-grounding
8200-IC	—	Same as above except with Robertson head screws
8200-RED	8210-RED	Red, nylon construction, self-grounding
8200-REDC	—	Same as above except with Robertson head screws
8200-W	8210-W	White, nylon construction, self-grounding

TAMPER RESISTANT RECEPTACLES

8200-TR②	—	Brown, nylon face, self-grounding
8200-GTR②	—	Gray, nylon face, self-grounding
8200-ITR②	—	Ivory, nylon face, self-grounding
8200-RTR②	—	Red, nylon face, self-grounding
8200-WTR②	—	White, nylon face, self-grounding

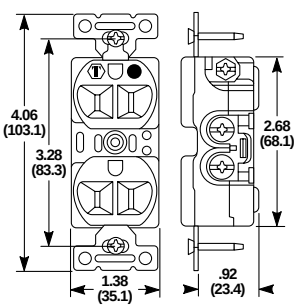
LIGHTED FACE RECEPTACLES

8200-GRYL	—	Gray, nylon face, self-grounding
8200-IL	—	Ivory, nylon face, self-grounding
8200-REDL	—	Red, nylon face, self-grounding
8200-WL	—	White, nylon face, self-grounding

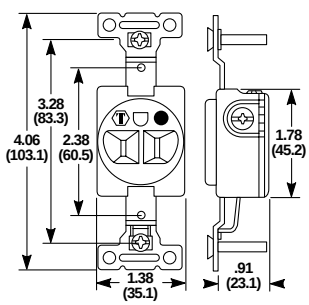
ISOLATED GROUND RECEPTACLES①

8200-IG	8210-IG	Orange, nylon construction
8200-IGC	—	Same as above except with Robertson head screws
8200-IGTR②	—	Orange, nylon face tamper resistant

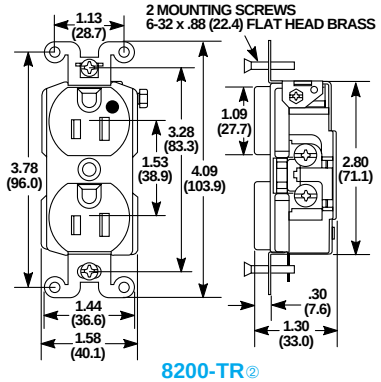
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



8200



8210



8200-TR②

①See page F-9 for isolated ground Features - Specifications.
②To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

NEMA 5-20 | NEMA 6-20 | CSA 5-20R

TECH·SPEC® 2 Pole 3 Wire Grounding 20 Amp 125V; 20 Amp 250V

Back and Side Wired Hospital Grade Receptacles

8300-RED

8410-BRN

8300-CANI

8310-I

8300-GTR③

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 an 544
- One-piece grounding system with integral self-grounding strap (8300 series)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (8310 & 8410 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates (8300 series)
- Easily accessible break-off tab for two-circuit wiring (8300 series)
- Verified under Fed. Spec. #WC596 (where applicable)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- NOM

TAMPER RESISTANT RECEPTACLES

- Nylon face resists abuse and chemicals
- Tamper resistant shutters specifically engineered with two spring loaded slides to provide maximum tamper resistance
- Thermoplastic base provides high strength and electrical integrity
- Heavy-duty brass yoke provides high strength and corrosion resistance

CATALOG NUMBER			DESCRIPTION
DUPLEX 20 AMP 125V NEMA 5-20	SINGLE 20 AMP 125V NEMA 5-20	SINGLE 20 AMP 250V NEMA 6-20	
8300	8310	8410-BRN	Brown nylon construction, self-grounding
8300-CAN①	—	—	Same as above except CSA 5-20R configuration
8300-GRY	8310-GRY	8410-GRY	Gray nylon construction, self-grounding
8300-CANGRY①	—	—	Same as above except CSA 5-20R configuration
8300-I	8310-I	8410-I	Ivory nylon construction, self-grounding
8300-CANI①	—	—	Same as above except CSA 5-20R configuration
8300-RED	8310-RED	8410-RED	Red nylon construction, self-grounding
8300-CANRED①	—	—	Same as above except CSA 5-20R configuration
8300-W	8310-W	8410-W	White nylon construction, self-grounding
8300-CANW①	—	—	Same as above except CSA 5-20R configuration

LIGHTED FACE RECEPTACLES

8300-GRYL	—	—	Gray nylon face, self-grounding
8300-IL	—	—	Ivory nylon face, self-grounding
8300-REDL	—	—	Red nylon face, self-grounding
8300-WL	—	—	White nylon face, self-grounding

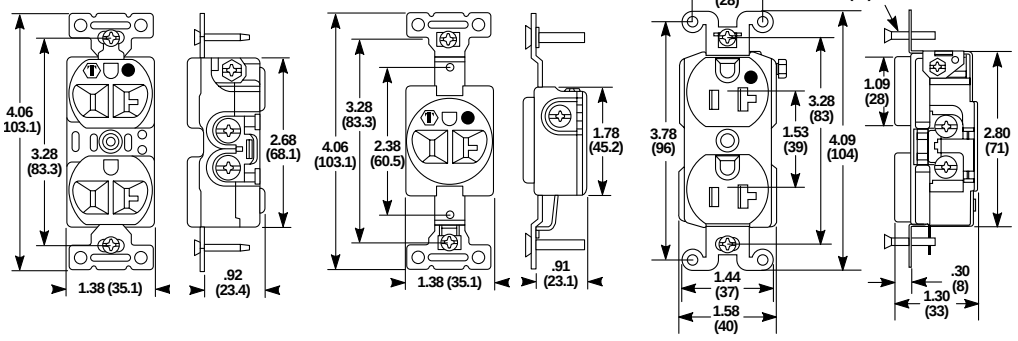
ISOLATED GROUND RECEPTACLES②

8300-IG	8310-IG	8410-IG	Orange nylon construction

TAMPER RESISTANT RECEPTACLES

8300-TR③	—	—	Brown, nylon face, self-grounding
8300-GTR③	—	—	Gray, nylon face, self-grounding
8300-ITR③	—	—	Ivory, nylon face, self-grounding
8300-RTR③	—	—	Red, nylon face, self-grounding
8300-WTR③	—	—	White, nylon face, self-grounding

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① Configured CSA 5-20R receptacles are supplied with Robertson head screws.
② See page F-9 for isolated ground Features - Specifications.
③ To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

C 4

BRYANT

NEMA 5-15

FASHION SERIES 9000™

2 Pole 3 Wire Grounding
15 Amp 125V Hospital Grade Receptacles

9200-I

9200-IG

9200-GRY

T82-I

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 and 544
- One-piece grounding system with integral self-grounding strap (9200)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon (9200)
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion (9200)
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (9200)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire (9200)
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screws(9200)
- Long-life neon lamp illuminates face of lighted receptacles for quick identification
- Easily accessible break-off tab for two-circuit wiring (9200)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts

FASHION TRIM

- Shallow depth .73 (18.5) allows plenty of room for wiring (T82)
- Pre-stripped 6" (152.4) pigtail wire leads for fast installation (T82)
- Rust-resistant yoke (T82)
- Molded of high-impact polycarbonate (T82)

ALL RECEPTACLES

- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

15 AMP 125V BACK AND SIDE WIRED RECEPTACLES

CATALOG NUMBER	DESCRIPTION
9200	Brown, nylon construction, self-grounding
9200-GRY	Gray, nylon construction, self-grounding
9200-I	Ivory, nylon construction, self-grounding
9200-RED	Red, nylon construction, self-grounding
9200-W	White, nylon construction, self-grounding

LIGHTED FACE RECEPTACLES

9200-GRYL	Gray, nylon face, self-grounding
9200-IL	Ivory, nylon face, self-grounding
9200-REDL	Red, nylon face, self-grounding
9200-WL	White, nylon face, self-grounding

ISOLATED GROUND RECEPTACLES①

9200-IG	Orange, nylon construction
9200-IGGRY	Gray, nylon construction
9200-IGI	Ivory, nylon construction
9200-IGRED	Red, nylon construction
9200-IGW	White, nylon construction

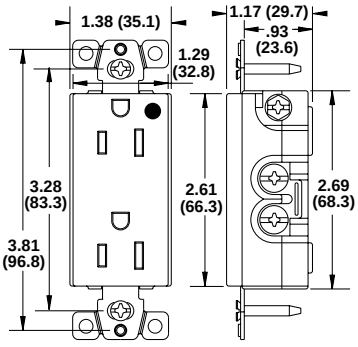
FASHION TRIM RECEPTACLES, COMPACT DESIGN – .73 (18.5) DEEP

T82	Brown, polycarbonate w/6" (152.4) pigtails
T82-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T82-I	Ivory, polycarbonate w/6" (152.4) pigtails
T82-RED	Red, polycarbonate w/6" (152.4) pigtails
T82-W	White, polycarbonate w/6" (152.4) pigtails

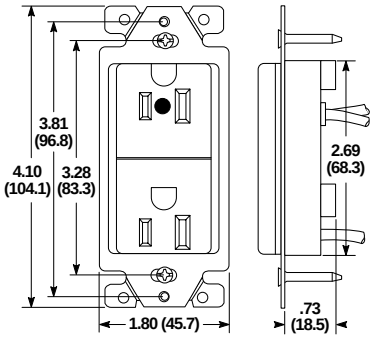
FASHION TRIM LIGHTED FACE RECEPTACLES, COMPACT DESIGN – .73② DEEP

T82GL-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T82GL-I	Ivory, polycarbonate w/6" (152.4) pigtails
T82GL-RED	Red, polycarbonate w/6" (152.4) pigtails
T82GL-W	White, polycarbonate w/6" (152.4) pigtails

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9200



T82

①See page F-9 for isolated ground Features - Specifications.
②.73 (18.5)

Specifications are subject to change without notice.

BRYANT

NEMA 5-20

FASHION SERIES™ 9000

2 Pole 3 Wire Grounding
20 Amp 125V Hospital Grade Receptacles

9300-I

9300-IL

9300-IL Side

T83-I

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 and 544
- One-piece grounding system with integral self-grounding strap (9300)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon (9300)
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion (9300)
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (9300)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire (9300)
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screws (9300)
- Long-life neon lamp illuminates face of lighted receptacles for quick identification
- Easily accessible break-off tab for two-circuit wiring (9300)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- Shallow depth .73 (18.5) allows plenty of room for wiring (T83)
- Pre-stripped 6" (152.4) pigtail wire leads for fast installation (T83)
- Rust-resistant yoke (T83)
- Molded of high-impact polycarbonate (T83)
- UL Listed File #E2258 – Guide #RTRT
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

20 AMP 125V BACK AND SIDE WIRED RECEPTACLES

CATALOG NUMBER	DESCRIPTION
9300	Brown, nylon construction, self-grounding
9300-GRY	Gray, nylon construction, self-grounding
9300-I	Ivory, nylon construction, self-grounding
9300-RED	Red, nylon construction, self-grounding
9300-W	White, nylon construction, self-grounding

LIGHTED FACE RECEPTACLES

9300-GRYL	Gray, nylon face, self-grounding
9300-IL	Ivory, nylon face, self-grounding
9300-REDL	Red, nylon face, self-grounding
9300-WL	White, nylon face, self-grounding

ISOLATED GROUND RECEPTACLES①

9300-IG	Orange, nylon construction
9300-IGGRY	Gray, nylon construction
9300-IGI	Ivory, nylon construction
9300-IGRED	Red, nylon construction
9300-IGW	White, nylon construction

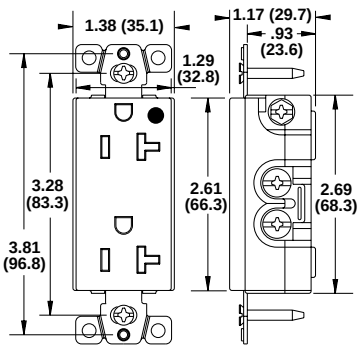
FASHION TRIM RECEPTACLES, COMPACT DESIGN – .73 (18.5) DEEP

T83	Brown, polycarbonate w/6" (152.4) pigtails
T83-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T83-I	Ivory, polycarbonate w/6" (152.4) pigtails
T83-RED	Red, polycarbonate w/6" (152.4) pigtails
T83-W	White, polycarbonate w/6" (152.4) pigtails

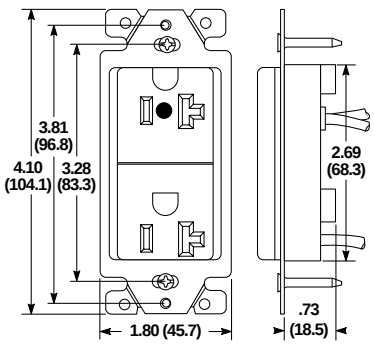
FASHION TRIM LIGHTED FACE RECEPTACLES, COMPACT DESIGN – .73② DEEP

T83GL-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T83GL-I	Ivory, polycarbonate w/6" (152.4) pigtails
T83GL-RED	Red, polycarbonate w/6" (152.4) pigtails
T83GL-W	White, polycarbonate w/6" (152.4) pigtails

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9300



T83

C 6

①See page F-9 for isolated ground Features - Specifications.
②.73 (18.5)

Specifications are subject to change without notice.

BRYANT

NEMA 5-15 | NEMA 5-20 | CSA 5-20R | NEMA 6-20

TECH·SPEC®

2 Pole 3 Wire Grounding
Hospital Grade Plugs and Connectors

8266-N

8269-N

8266-T

8269-T

Features - Specifications

HOSPITAL GRADE PLUG AND CONNECTOR

- Bryant "hospital grade" plugs and connectors meet or exceed all UL tests for "hospital grade" and conform to UL Standards #498 and #544
- Impact-resistant nylon/polymer construction with automatic cord grip
- Available with transparent polycarbonate cover. Allows visual inspection of wire terminations without disassembly
- Pre-attached TPE① dust seal helps prevent contaminants from entering wiring chamber
- Two quick-fasten captive assembly screws automatically tighten cord grip
- Single side terminal screws reduce wiring time and are color coded for proper terminations
- Transparent terminal cover allows instant visual inspection for proper terminations
- Tapered individual wire pockets help prevent flashover and speed wiring termination
- Strip gauge for accurate wiring
- Clamp-type terminals
- Conform to Fed. Spec. #WC596

ALL PLUGS AND CONNECTORS

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM
- CE

"HOSPITAL GRADE" 15 AMP 125V NEMA 5-15

CATALOG NUMBER		CORD DIA.	DESCRIPTION
PLUG	CONNECTOR		
8266-N	8269-N	.245-.655 (6.2-16.6)	White, nylon/polymer
8266-T	8269-T	.245-.655 (6.2-16.6)	Transparent, nylon/polycarbonate

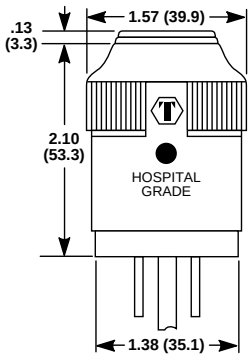
"HOSPITAL GRADE" 20 AMP 125V NEMA 5-20

8366-N	8369-N	.245-.655 (6.2-16.6)	White, nylon/polymer
—	8369-NCAN	.245-.655 (6.2-16.6)	White, nylon/polymer, CSA 5-20R configuration
8366-T	8369-T	.245-.655 (6.2-16.6)	Transparent, nylon/polycarbonate

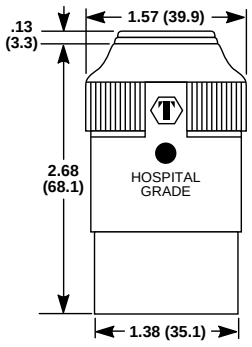
"HOSPITAL GRADE" 20 AMP 250V NEMA 6-20

8466-N	8469-N	.245-.655 (6.2-16.6)	White, nylon/polymer

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



8266-N



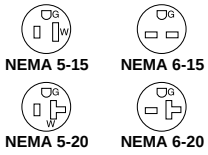
8269-N

① TPE – Thermoplastic Elastomer.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT



2 Pole 3 Wire Grounding
Hospital Grade C-Thru® Angle Plug

8295-T

Features - Specifications

- Rugged nylon/polycarbonate construction
- Transparent cover and wiring chamber allow fast visual inspection for proper wiring
- Twelve-position adjustment allows cord to exit at choice of angles
- Nonmetallic nylon cord grip
- Conforms to NEMA and ANSI Standards
- Individual wire pockets with clamp-type terminals
- Dead front construction
- Captive terminal screws are color coded for easy identification
- Strip gauge for accurate wiring
- Space-saving angle design allows cord to exit parallel to wall or floor
- No exposed metal parts on hand-held side
- Interlocking teeth prevent cover from rotating on plug body when cord is pulled
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- Conforms to Fed. Spec. #WC596
- NOM
- CE

8295-T Side

15 AMP 125V NEMA 5-15

CATALOG NUMBER	CORD DIA.	DESCRIPTION
8295-T	.300-.625 (7.6-15.9)	Transparent angle attachment plug

20 AMP 125V NEMA 5-20

CATALOG NUMBER	CORD DIA.	DESCRIPTION
8395-T	.300-.625 (7.6-15.9)	Transparent angle attachment plug

15 AMP 250V NEMA 6-15

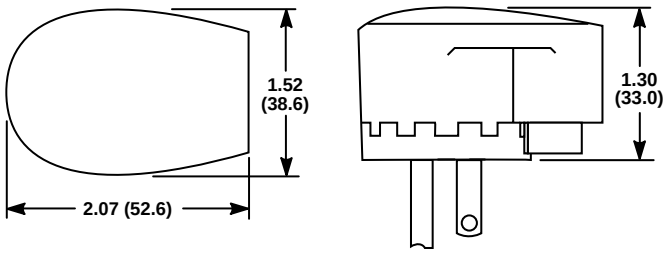
CATALOG NUMBER	CORD DIA.	DESCRIPTION
8695-T	.300-.625 (7.6-15.9)	Transparent angle attachment plug

20 AMP 250V NEMA 6-20

CATALOG NUMBER	CORD DIA.	DESCRIPTION
8495-T	.300-.625 (7.6-15.9)	Transparent angle attachment plug

8395-T

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



8295-T

C 8

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

QUADPLEX®

2 Pole 3 Wire Grounding 15 Amp 125V; 20 Amp 125V
Hospital Grade Receptacles

1254-HI w/ ADAPI

21254-HIL

21254-HRP

Features - Specifications

- Receptacles meet or exceed all UL tests for "Hospital Grade" and conform to UL Standards #498 and #544
- Mounts directly to 4" square or octagon boxes, no cover plate required. Meets 410-56(i) of the NEC
- Quadplex can be retrofitted to 1 and 2-gang device boxes, 4" square boxes with mud rings or 4 11/16"
- square boxes with easy-to-install adapter plates
- Rugged Lexan® construction
- Saves wiring and installation time
- Break-off tabs for split circuit wiring (except surge units)
- Snub hole for fast, easy terminations
- Accepts up to #12 solid or stranded wire
- Heavy-duty, triple-wipe high performance brass line contacts
- Three conductors, hot, neutral and ground, energize all four outlets
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- NOM
- CE

QUADPLEX® RECEPTACLES

CATALOG NUMBER		DESCRIPTION
NEMA 5-15 15 AMP 125V 0.5 HP	NEMA 5-20 20 AMP 125V 1.0 HP	
1254-HB	21254-HB	Brown Lexan
1254-HI	21254-HI	Ivory Lexan
1254-HW	21254-HW	White Lexan
1254-HGY	21254-HGY	Gray Lexan
1254-HR	21254-HR	Red Lexan
1254-HIGO④	21254-HIGO	Isolated ground, orange Lexan
1254-HSA①	21254-HSA①	Surge suppression, isolated ground, blue Lexan
1254-HSIA①	21254-HSIA①	Surge suppression, isolated ground, ivory Lexan
—	21254-HBL	Wire leads, brown Lexan
—	21254-HIL	Wire leads, ivory Lexan
1254-HIP	21254-HIP	Pilot light, ivory Lexan
1254-HWP④	21254-HWP	Pilot light, white Lexan
1254-HRP④	21254-HRP	Pilot light, red Lexan

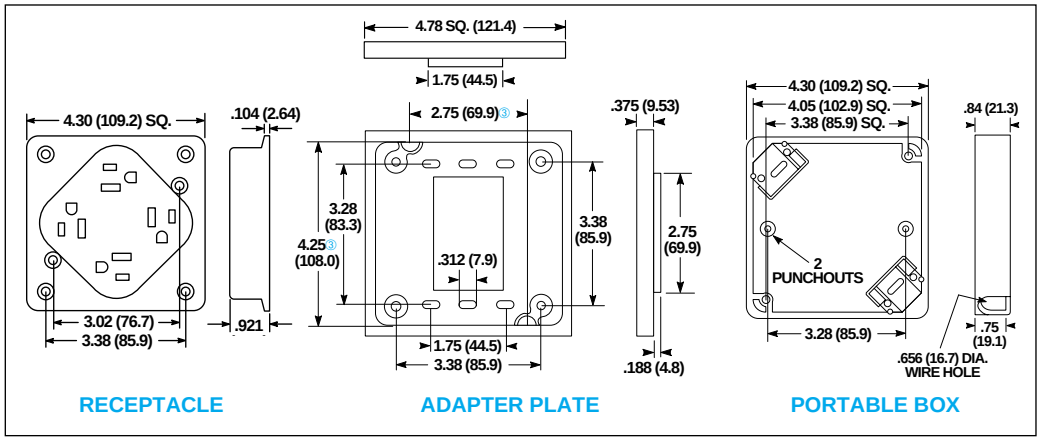
ADAPTER PLATES

CATALOG NUMBER		DESCRIPTION
FOR ONE & TWO-GANG DEVICE BOXES	FOR 4 11/16" BOXES	
ADAP-B	ADAP-BS	Brown Lexan
ADAP-I	ADAP-IS	Ivory Lexan
ADAP-W	—	White Lexan
ADAP-GRY	—	Gray Lexan
ADAP-O	—	Orange Lexan
ADAP-R	—	Red Lexan
ADAP-BLU	—	Blue Lexan
ADAP-BLK	—	Black Lexan

PORTABLE BOXES②

CATALOG NUMBER		DESCRIPTION
4" SQ. W/CORD GRIP	4" SQ. FEED-THRU W/ 2 CORD GRIPS	
4SQBX-B	—	Brown Lexan
4SQBX-I	4SQBX-FI	Ivory Lexan
4SQBX-W	—	White Lexan
4SQBX-GRY	—	Gray Lexan
4SQBX-O	—	Orange Lexan
4SQBX-R	4SQBX-FR	Red Lexan
4SQBX-BLU	—	Blue Lexan
4SQBX-BLK	4SQBX-FBLK	Black Lexan

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

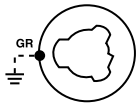


RECEPTACLE ADAPTER PLATE PORTABLE BOX

① See page F-6 for additional information on surge receptacles.
② Portable boxes not UL Listed.
③ Mounting dimensions for 4 11/16" Adapter Plate.
④ To be discontinued when supplies are exhausted.

Lexan® is a registered trademark of General Electric Co.
For further details on Quadplex receptacles, request brochure BPM-8121.
Specifications are subject to change without notice.

BRYANT



2 Pole 3 Wire Grounding 20 Amp 125V

"Hospital Use" Only – AC Only

23000-HG

23014-HG

23001-HG

S611

23007

Features - Specifications

- "Hospital Only" devices are designed for use in non-hazardous hospital locations
- Plug and connector feature insulated nonmetallic nylon housings
- Spring-loaded shutter on receptacle and connector ejects plug if not properly mated, eliminating teasing of contacts
- Devices are suitable as a disconnecting means under full-rated load
- Receptacle has clamp-type back wired terminals and fits standard single receptacle plate
- Internal cord grip dust seal on plugs and connectors helps prevent foreign particles from entering wiring chamber
- Heavy-duty plug and connector cord clamps firmly secure cord jacket and conductors preventing strain on terminations
- Receptacle UL Listed File #E2258 – Guide #RTRT
- Plug and Connector UL Listed File #E1381 – Guide #AXUT
- CSA Certified
- Plates UL Listed, Standard 514

FLUSH RECEPTACLE

CATALOG NUMBER	DESCRIPTION
23000-HG	Single receptacle, black phenolic, back wired

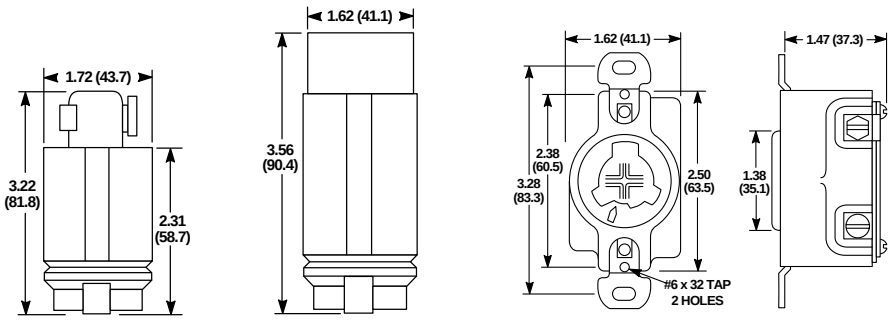
PLUG AND CONNECTOR

CATALOG NUMBER	CORD DIA.	DESCRIPTION
23014-HG	.300-.650 (7.6-16.5)	Plug, black/white nylon, clamp-type terminals
23001-HG	.300-.650 (7.6-16.5)	Connector, black/white nylon, clamp-type terminals

RECEPTACLE PLATES

CATALOG NUMBER	DESCRIPTION
S611	302/304 stainless steel, single gang, smooth edge
S2811	.040 (1.0) brass, single gang, smooth edge
N0111	Black nylon, smooth edge
23007	Cast aluminum, with lift cover, indoor use

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



PLUG CONNECTOR RECEPTACLE

See Sections L & M for information on plates.

Specifications are subject to change without notice.

C 10

BRYANT

NEMA 5-15

NEMA 5-20

2 Pole 3 Wire Grounding
15 Amp 125V; 20 Amp 125V
Hospital Grade Ground Fault Receptacles

GFR83FT-W Front

GFR83FT-W Side

Features - Specifications

- Bryant "hospital grade" ground fault receptacles meet or exceed all UL tests for "hospital grade" and conform to UL Standards 943, 498, 544 and the 1996 National Electrical Code
- All units are feed-thru and can be wired to protect additional downstream receptacles on the same circuit
- One-piece triple-wipe brass line contacts
- Compact, shallow design permits flush mounting in standard 2½" (63.5) deep outlet box
- Exclusive switch design assures optimum reliability
- Face and base molded of rugged, impact-resistant thermoplastic
- Both 15 amp and 20 amp GFR® receptacles have ampacity interrupting rating of 20 amp at 125V AC
- Heavy steel zinc-plated yoke
- Wall plate included with each receptacle
- Meets disconnect speed of 25 milliseconds at operating voltages 102-132 volt range for fault currents of 264ma based on UL formula $T=(\frac{20}{ma})^{1.43}$
- Sensitive to fault currents as low as 5ma ± 1ma. From no-load to full-rated load
- Electronic amplifier protected by unique varistor and spark ring from voltage transients of 6000 volt ring wave configuration
- All welded internal load current construction
- Withstand rating of 2000 amperes
- UL Listed File #E57705 – Guide #KCXS
- CSA Certified Class 1451 – File #LR65058
- Verified under Fed. Spec. #WC596 (GFR82 series)
- NOM

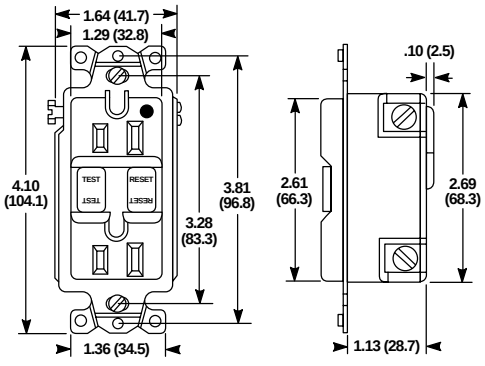
15 AMP 125V FEED-THRU RECEPTACLES - NEMA 5-15

CATALOG NUMBER	DESCRIPTION
GFR82FT	Brown, thermoplastic
GFR82FT-I	Ivory, thermoplastic
GFR82FT-W	White, thermoplastic
GFR82FT-GRY	Gray, thermoplastic
GFR82FT-R	Red, thermoplastic

20 AMP 125V FEED-THRU RECEPTACLES - NEMA 5-20

CATALOG NUMBER	DESCRIPTION
GFR83FT	Brown, thermoplastic
GFR83FT-I	Ivory, thermoplastic
GFR83FT-W	White, thermoplastic
GFR83FT-GRY	Gray, thermoplastic
GFR83FT-R	Red, thermoplastic

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



GFR82FT

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

2 Pole 3 Wire Grounding
15 Amp 125V; 20 Amp 125V
Hospital Grade Surge Suppression Receptacles

SP83-TIGIA

SP83-TIGIA Side

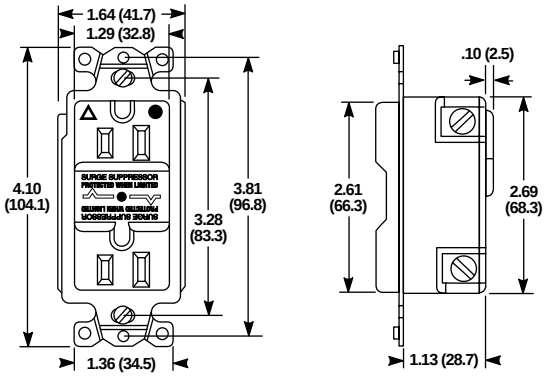
Features - Specifications

- Bryant hospital grade surge receptacles have isolated ground and are all 150 joule rated
- Conform to hospital grade requirements in accordance with UL 498
- Peak clamping level 600 volts all modes
- Maximum surge current 13,000 amps all modes
- Unique triple disc M.O.V. (2)
- Varistor continuous R.M.S. voltage rating: 140 volts
- L.E.D. indicator light
- High-impact nylon molded face cover
- Wall plate included with each receptacle
- Binding head terminal screw will accept up to a #12 solid or stranded wire
- Response time: 2ns (nanoseconds)
- M.O.V.'s rated 140 volts to extend performance under high line voltage (132V)
- Self-grounding clip design
- Snub hole wiring aid
- Meets or exceeds IEEE 587 Standards for Category A & B. Exceeds portable surge rating requirements, UL 1449, UL 498, CSA 22.2, No. 42M
- Meets UL and CSA varistor thermal protection requirements
- NOM

SPECIFICATION		SURGE RECEPTACLE SERIES	
		SP82-TIGA	SP83-TIGA
TYPE		H	H
ELECTRICAL RATING AC		125V/15 AMP	125V/20 AMP
PEAK CLAMPING VOLTAGE LEVEL	L-N	600	600
6000V @ 1.2/50 µs	L-G	600	600
3000 AMP @ 8/20 µs	N-G	600	600
JOULE RATING	L-N	150	150
SINGLE IMPULSE TRANSIENT ENERGY	L-G	150	150
10/1000 µs	N-G	150	150
MAX. SURGE	L-N	13,000	13,000
CURRENT	L-G	13,000	13,000
8/20 µs IMPULSE	N-G	13,000	13,000

CATALOG NUMBER		COLOR DESCRIPTION
15 AMP 125V AC NEMA 5-15	20 AMP 125V AC NEMA 5-20	
SP82-TIGA	SP83-TIGA	Brown
SP82-TIGBLA	SP83-TIGBLA	Blue
SP82-TIGIA	SP83-TIGIA	Ivory

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



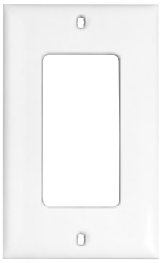
SP82-TIGIA

C 12

Specifications are subject to change without notice.

Hospital Use
Nylon and Stainless Steel Wall Plates

N1271



N1301D

N3911IG

S601GFP

N2201MEM

Features - Specifications

- High-impact nylon for maximum strength and chemical resistance
- Type 302/304 stainless steel is nonmagnetic and provides excellent corrosion resistance
- Withstands severe abuse in hospital, industrial and commercial applications
- Smooth easy-to-clean surface
- Standard or Fashion Series™ configurations available
- Engraved “Emergency” plates available in Fashion Series™ switch and standard duplex configurations
- Conforms to NEMA and ANSI Standards
- Meets UL Standard #514
- UL Listed File #E33208 – Guide #QCDX
- CSA Certified File #LR18266 – Guide #300416
- NOM

STANDARD CONFIGURATIONS①

CONFIG.	DESCRIPTION	BROWN NYLON	IVORY NYLON	WHITE NYLON	GRAY NYLON	RED NYLON	302/304 STAINLESS STEEL
	Switch,1-gang	N1271	N2171	N1371	N1471	N2271	S671
	Duplex receptacle, 1-gang	N1201	N2101	N1301	N1401	N2201	S601
	Single receptacle, 1-gang	N1211	N2111	N1311	N1411	N2211	S611

FASHION SERIES 9000①

	1-gang	N1201D	N2101D	N1301D	N1401D	N2201D	S601D

PRE-MARKED WALL PLATES: “EMERGENCY”, “GFCI PROTECTED”

	Fashion Series, “Emergency”, 1-gang	—	—	—	—	N2201DMEM②	S601DEMG
	Duplex receptacle, “Emergency”, 1-gang	—	—	—	—	N2201MEM②	—
	Switch, “Emergency”, 1-gang	—	—	—	—	N2271MEM②	S671EMG
	Duplex receptacle, “GFCI-Protected”, 1-gang③	—	N2101MGFP②	N1301MGFP②	—	N2201MGFP②	S601GFP

PRE-MARKED WALL PLATES: “ISOLATED GROUND”, ORANGE NYLON

	Duplex, “Isolated Ground”, 1-gang	N3901-IG	—	—	—	—	—
	Single, “Isolated Ground”, 1-gang	N3911-IG	—	—	—	—	—
	Fashion Series, unmarked, 1-gang	N3901D	—	—	—	—	—

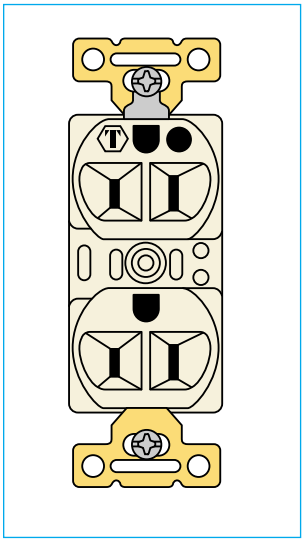
① **See Section M for additional multigang nylon and stainless steel wall plates.**
② Mid-size nylon wall plates 4.88" (124.0) h. x 3.13" (79.5) w.
③ Not UL or CSA Listed, “Caution – install this wall plate only with receptacle known to be Ground Fault Circuit Interrupter Protected.”

Specifications are subject to change without notice.

BRYANT

Hospital Grade Straight Blade Duplex Receptacles Technical Specifications

STRAIGHT BLADE DUPLEX RECEPTACLE



DESCRIPTION

Typical Specification — Catalog No. 8200

Manufacturer's Identification — Bryant 8200

Description — Hospital Grade Straight Blade Duplex Receptacle, back and side wired

Type — 2 Pole, 3 Wire, Grounding

Rating — 15A, 125V

CERTIFICATION

- UL Listed, File E2258, Guide RTRT
- Verified under Fed Spec WC596
- Listed to UL Standards 498 and 544
- CSA certified file #LR16215

COMPONENTS	MATERIALS
Cover	Nylon
Base	Nylon
Line Contacts	.031" (.8) 688 Brass
Clamp Nut	Brass
Mounting Yoke	.050" (1.3) Steel (nickel & brass plated)
Terminal Screws	Combination Brass #10-32
Grounding Screw	Combination Brass (Green) #8-32
Grounding Contacts	688 Brass
Auto. Grounding Assembly	688 Brass, Tin Plated
Mounting Screws	Combination, Steel-Zinc Plated

C 14

PERFORMANCE

Electrical

Dielectric Voltage . . . . . Withstands 2,000V minimum.
Max. Working Voltage . . . . . 250V.
Current Interrupting . . . . . Certified for current interrupting at full rated current.
Temperature Rise . . . . . Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current with direct current.

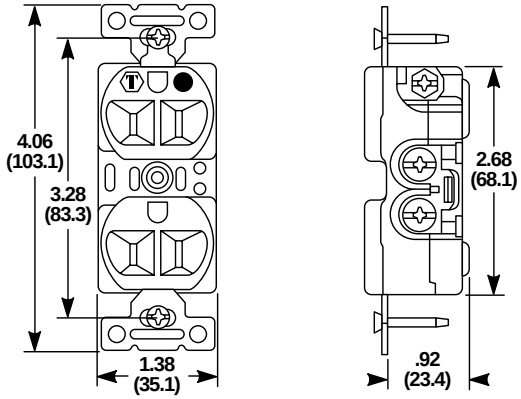
Mechanical

Terminal Identification . . . . . Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation . . . . . #14 — #10 AWG (solid or stranded) copper conductor only.
Product Identification . . . . . Ratings are a permanent part of the device.

Environmental

Flammability . . . . . Top: UL 94 V2.
Base: UL 94 V2.
Operating Temperatures . . . . . Maximum continuous 60°C, minimum -40°C (w/o impact).

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



8200

Additional

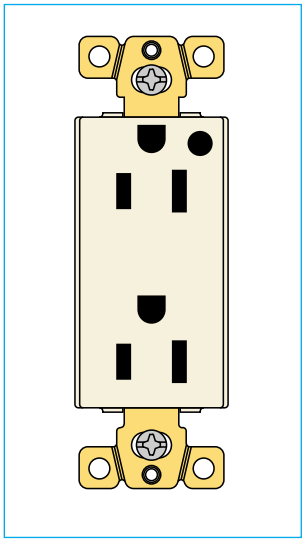
8300 - except CSA
(see catalog page C-4).

See catalog page C-3 for catalog numbers, features, product descriptions and product photographs.
Specifications are subject to change without notice.

BRYANT

Hospital Grade FASHION SERIES 9000™ Straight Blade Duplex Receptacles Technical Specifications

STRAIGHT BLADE DUPLEX RECEPTACLE



DESCRIPTION

Typical Specification — Catalog No. 9200

Manufacturer's Identification — Bryant 9200

Description — Hospital Grade Fashion Series Straight Blade Duplex Receptacle, back and side wired

Type — 2 Pole, 3 Wire, Grounding

Rating — 15A, 125V

CERTIFICATION

- UL Listed, File E2258, Guide RTRT
- Listed to UL Standards 498 and 544
- CSA certified file #LR16215

COMPONENTS	MATERIALS
Cover	Nylon (square face)
Base	Nylon
Line Contacts	.031" (.8) 688 Brass
Clamp Nut	Brass
Mounting Yoke	.050" (1.3) Steel (nickel & brass plated)
Terminal Screws	Combination Brass #10-32
Grounding Screw	Combination Brass (Green) #8-32
Grounding Contacts	688 Brass
Auto. Grounding Assembly	688 Brass, Tin Plated
Mounting Screws	Combination, Steel-Zinc Plated

C 15

PERFORMANCE

Electrical

Dielectric Voltage . . . . . Withstands 2,000V minimum.
Max. Working Voltage . . . . . 250V.
Current Interrupting . . . . . Certified for current interrupting at full rated current.
Temperature Rise . . . . . Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current with direct current.

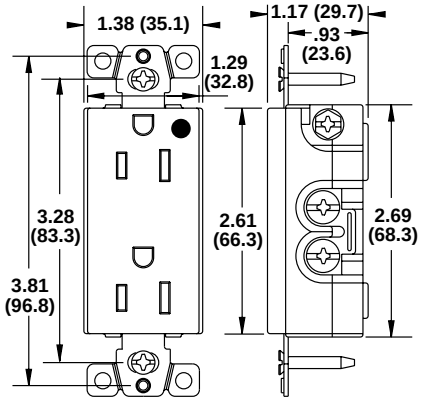
Mechanical

Terminal Identification . . . . . Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation . . . . . #14 — #10 AWG copper conductor only.
Product Identification . . . . . Ratings are a permanent part of the device.

Environmental

Flammability . . . . . Top: UL 94 V2.
Base: UL 94 V2.
Operating Temperatures . . . . . Maximum continuous 60°C, minimum -40°C (w/o impact).

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9200

Additional

9300 - except CSA
(see catalog page C-6).

See catalog page C-5 for catalog numbers, features, product descriptions and product photographs.
Specifications are subject to change without notice.

Section D

FASHION SERIES™ 9000 PRODUCTS

Section D Index

FASHION SERIES™ 9000 PRODUCTS

Switches

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AC Rocker Switches **D2, D3**

Receptacles

Receptacle Product Features **D4**
Hospital Grade Duplex Receptacles **D5, D6**
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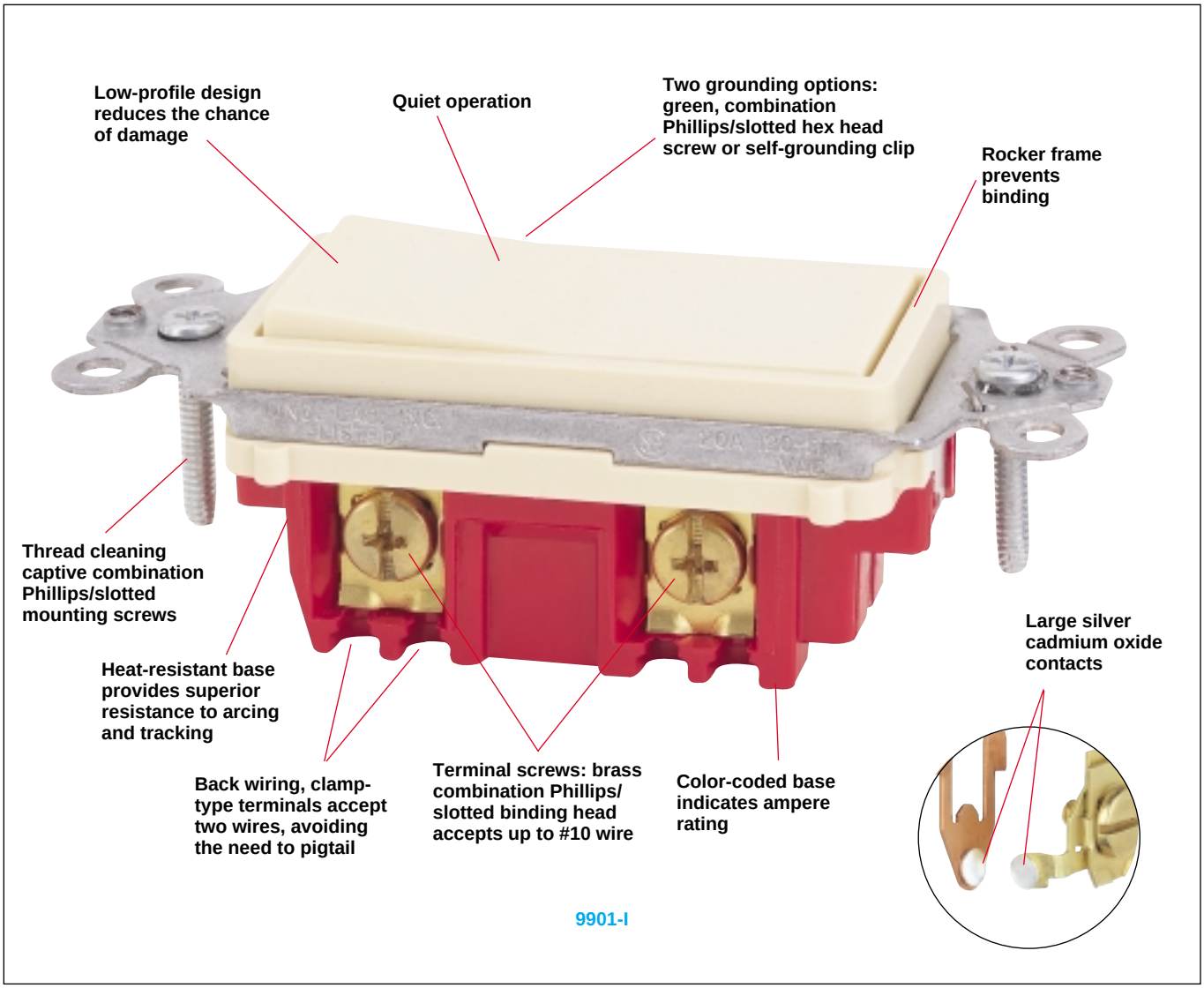
BRYANT

Product Features
FASHION SERIES 9000™ AC Rocker Switches



9901-I

D
1

THE NEW FACE OF QUALITY

The 9901 AC Rocker Switch shown above is typical of Bryant's full line of Fashion Series 9000 designer switches. They combine the quality, features, and durability . . . The New Face Of Quality you've come to expect from Bryant . . . in a new, high-fashion look. All switches meet Bryant's rigid performance standards for hospital, industrial and commercial applications.

AVAILABLE TYPES

- 15 and 20 amp, 120-277V AC ratings
- Horsepower rated
- Rocker handles in ivory, white, gray, black and brown
- Single-pole, double-pole, 3-way and 4-way
- Two grounding options: grounding screw terminal or self-grounding clip
- Pilot light and lighted handle switches for specialized applications

Color coded base indicates ampere rating

15 Amp Blue Base
9801 SERIES

20 Amp Red Base
9901 SERIES

AVAILABLE COLORS

PILOT LIGHT SWITCHES

Long-lasting neon lamp in handle lights when switch is in ON position, indicating that the circuit is energized. Applications include control of circuits which are not easily accessible or are out of sight such as motors, fans, remote lights.

LIGHTED HANDLE SWITCHES

Long-lasting neon lamp in handle glows when switch is in OFF position to help locate the switch in darkness. Also serves as a night light in rooms and hallways.

BRYANT

FASHION SERIES™ 9000

15 Amp 120-277V AC

Back and Side Wired Industrial Grade AC Rocker Switches

9801-I

9801

9803-GRY

9803-GRY Side

Features - Specifications

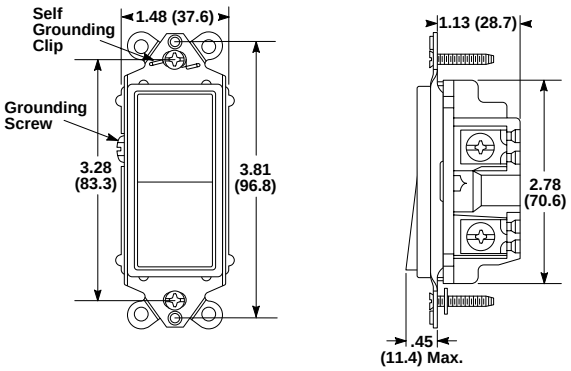
- AC – general use snap switches are designed for controlling as permitted by N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- Color coded base indicates ampere rating
- Low-profile design reduces the chance of damage
- Rocker frame prevents binding against wall plate
- Back wiring: clamp-type terminals accepts up to #10 wire
- Clamp-type terminals accept two wires for multiple device applications, avoiding the need to pigtail
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Silver cadmium oxide contacts
- Heavy-duty, reliable copper-alloy contact arm for excellent conductivity
- Grounding connections – large green, combination Phillips/slotted hex head grounding screw and automatic grounding clip
- Strip gauge for accurate back wiring
- Thread cleaning captive mounting screws
- Break-off plaster ears
- UL Listed File #E1464 – Guide #WMUZ
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER 15 AMP 120-277V AC	DESCRIPTION
9801	Single-pole, brown rocker
9801-GRY	Single-pole, gray rocker
9801-I	Single-pole, ivory rocker
9801-W	Single-pole, white rocker
9803	3-way, brown rocker
9803-GRY	3-way, gray rocker
9803-I	3-way, ivory rocker
9803-W	3-way, white rocker

HORSEPOWER RATED

RATING	120V	240V	MAX
15 AMP	½ HP	2 HP	12 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



FRONT, SINGLE-POLE, 3-WAY SIDE, SINGLE-POLE, 3-WAY

D 2

Specifications are subject to change without notice.

BRYANT

FASHION SERIES™ 9000

20 Amp 120-277V AC

Back and Side Wired Industrial Grade AC Rocker Switches

9901-I

9901-I Side

9902

9903-GLI

Features - Specifications

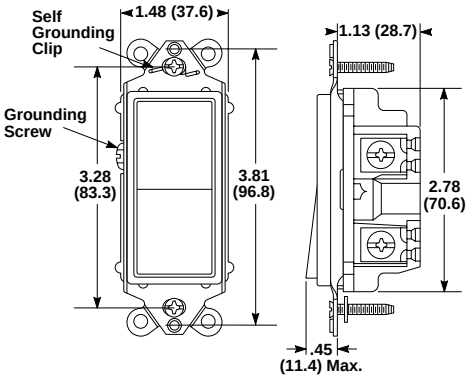
- AC – general use snap switches are designed for controlling as permitted by N.E.C., resistive, inductive, tungsten-filament, fluorescent and motor loads for AC branch lighting and appliance circuits
- Color coded base indicates ampere rating
- Low-profile design reduces the chance of damage
- Rocker frame prevents binding against wall plate
- Back wiring: clamp-type terminals accepts up to #10 wire
- Clamp-type terminals accept two wires for multiple device applications, avoiding the need to pigtail
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Quiet operation
- Silver cadmium oxide contacts
- Heavy-duty, reliable copper-alloy contact arm for excellent conductivity
- Grounding connections – green combination Phillips/slotted hex head grounding screw and automatic grounding clip
- Strip gauge for accurate back wiring
- Thread cleaning captive combination phillips/slotted mounting screws
- Break-off plaster ears
- UL Listed File #E1464 – Guide #WMUZ
- CSA Certified File #LR375 – Guide #380-W-19.7
- Complies with UL 20 and NEMA Standard WD-1
- NOM

CATALOG NUMBER 20 AMP 120-277V AC	DESCRIPTION
9901	Single-pole, brown rocker
9901-BLK	Single-pole, black rocker
9901-GLI①	Single-pole, ivory glow rocker, 120V
9901-GLW①	Single-pole, white glow rocker, 120V
9901-GRY	Single-pole, gray rocker
9901-I	Single-pole, ivory rocker
9901-PLI120②	Single-pole, ivory pilot rocker, 120V
9901-PLW120②	Single-pole, white pilot rocker, 120V
9901-W	Single-pole, white
9902	Double-pole, brown rocker
9902-BLK	Double-pole, black rocker
9902-GRY	Double-pole, gray rocker
9902-I	Double-pole, ivory rocker
9902-W	Double-pole, white rocker
9903	3-way, brown rocker
9903-BLK	3-way, black rocker
9903-GLI①	3-way, ivory glow rocker, 120V
9903-GLW①	3-way, white glow rocker, 120V
9903-GRY	3-way, gray rocker
9903-I	3-way, ivory rocker
9903-W	3-way, white rocker
9904	4-way, brown rocker
9904-BLK	4-way, black rocker
9904-GRY	4-way, gray rocker
9904-I	4-way, ivory rocker
9904-W	4-way, white rocker

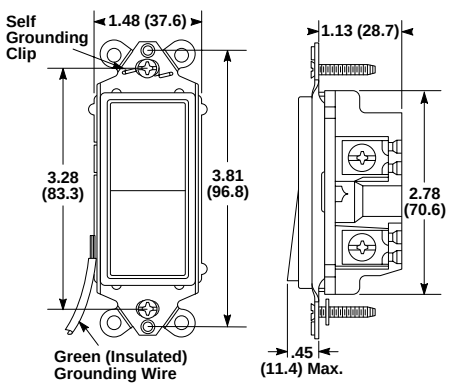
HORSEPOWER RATED

RATING	120V	240V	MAX
20 AMP	1 HP	2 HP	16 AMP

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



1-POLE, 3-WAY (9901)

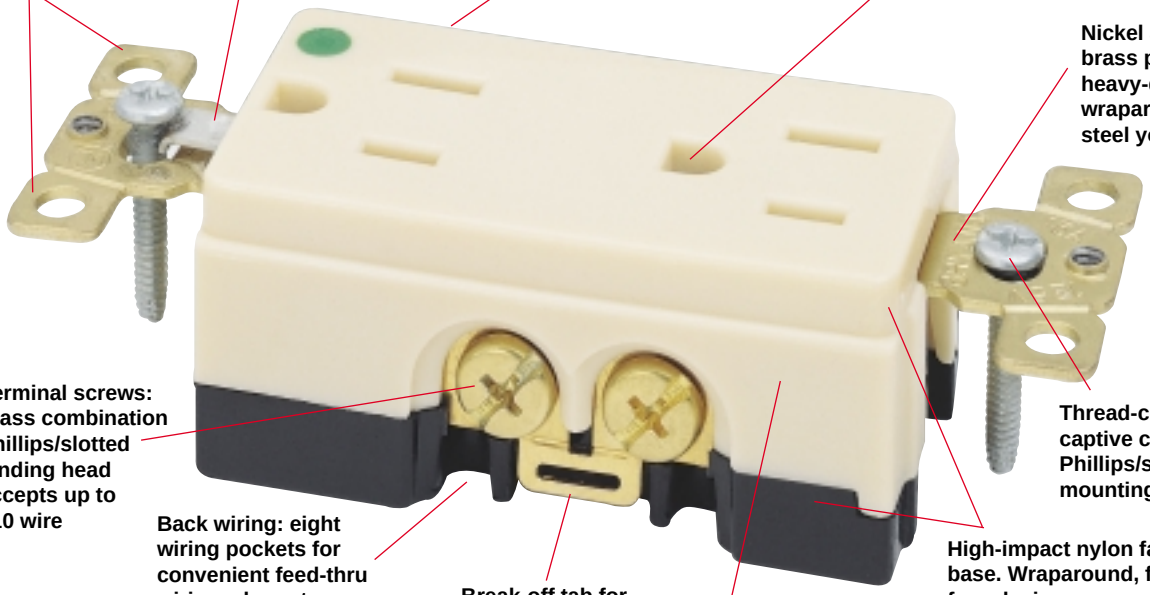


2-POLE, 4-WAY (9902)

D 3

① Glow on when switch is "off".
② Pilot on when switch is "on".

Specifications are subject to change without notice.



UL Listed
CSA Certified
Complies with
NEMA Standards WD-1, WD-6 and UL 498

9200-I

THE NEW FACE OF QUALITY

The above built-in features of the 9200 self-grounding receptacle reflect the super-safe design, solid construction, and attention to details . . . The New Face Of Quality . . . of Bryant's full line of Fashion Series 9000 designer receptacles. This line assures you of the exact device you need for hospital, industrial or commercial applications.

AVAILABLE TYPES

- 2-pole, 3-wire, 15 and 20 amp, 125 and 250V
- Single and duplex receptacles
- Hospital, industrial and commercial grades
- Isolated ground, compact Fashion Trim, and lighted face receptacles for special applications
- Ivory, white, gray, black, red, brown and isolated ground orange

AVAILABLE COLORS

HOSPITAL GRADE RECEPTACLE

9200-RED

Bryant Fashion Series 9000 hospital grade receptacles are designed to provide maximum safety and will withstand abuse in hospital and industrial applications. Each device passes the most stringent requirements for grounding reliability . . . security of assembly . . . strength and durability.

ISOLATED GROUND RECEPTACLE

9200-IG

Prevents stray currents from affecting ultra-sensitive electronic equipment such as data collecting systems and medical monitoring equipment. A separate grounding wire provides a pure isolated path to ground. Refer to Section E for more information.

LIGHTED FACE RECEPTACLE

9200-IL

Bryant Fashion Series 9000 lighted face receptacles utilize a unique clear base design for an outlined view of the receptacle face. Used in hard-to-find locations in hospitals, schools, plants and office buildings. Available in 2-pole, 3-wire, 15 and 20 amp, 125V, in ivory, white, red or gray.

FASHION TRIM RECEPTACLE

T82-I

The shallow depth .73" (18.5) of this hospital grade receptacle will fit new or retrofit applications where space is limited. 6" (152.4) pre-stripped, pigtail wire leads allow fast installations. Available in 2-pole, 3-wire, 15 and 20 amp 125V, in ivory, white, red, gray, and brown. Lighted face versions are also available for difficult-to-locate applications.

Product specifications appearing in the following section are subject to change without notice.

BRYANT

NEMA 5-15

FASHION SERIES™ 9000

2 Pole 3 Wire Grounding
15 Amp 125V Hospital Grade Receptacles

9200-I

9200-IG

9200-GRY

T82-I

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 and 544
- One-piece grounding system with integral self-grounding strap (9200)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon (9200)
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion (9200)
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (9200)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire (9200)
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screws(9200)
- Long-life neon lamp illuminates face of lighted receptacles for quick identification
- Easily accessible break-off tab for two-circuit wiring (9200)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- Shallow depth .73 (18.5) allows plenty of room for wiring (T82)
- Pre-stripped 6" (152.4) pigtail wire leads for fast installation (T82)
- Rust-resistant yoke (T82)
- Molded of high-impact polycarbonate (T82)
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

15 AMP 125V BACK AND SIDE WIRED RECEPTACLES

CATALOG NUMBER	DESCRIPTION
9200	Brown, nylon construction, self-grounding
9200-GRY	Gray, nylon construction, self-grounding
9200-I	Ivory, nylon construction, self-grounding
9200-RED	Red, nylon construction, self-grounding
9200-W	White, nylon construction, self-grounding

LIGHTED FACE RECEPTACLES

9200-GRYL	Gray, nylon face, self-grounding
9200-IL	Ivory, nylon face, self-grounding
9200-REDL	Red, nylon face, self-grounding
9200-WL	White, nylon face, self-grounding

ISOLATED GROUND RECEPTACLES①

9200-IG	Orange, nylon construction
9200-IGGRY	Gray, nylon construction
9200-IGI	Ivory, nylon construction
9200-IGRED	Red, nylon construction
9200-IGW	White, nylon construction

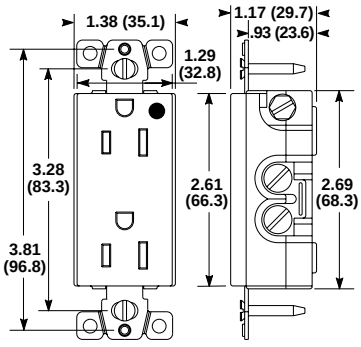
FASHION TRIM RECEPTACLES, COMPACT DESIGN – .73 (18.5) DEEP

T82	Brown, polycarbonate w/6" (152.4) pigtails
T82-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T82-I	Ivory, polycarbonate w/6" (152.4) pigtails
T82-RED	Red, polycarbonate w/6" (152.4) pigtails
T82-W	White, polycarbonate w/6" (152.4) pigtails

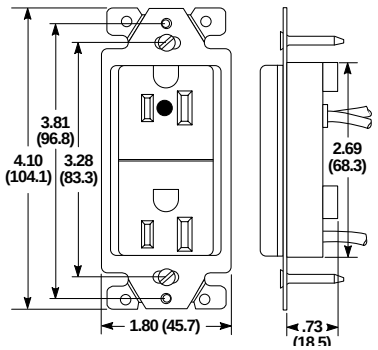
FASHION TRIM LIGHTED FACE RECEPTACLES, COMPACT DESIGN – .73② DEEP

T82GL-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T82GL-I	Ivory, polycarbonate w/6" (152.4) pigtails
T82GL-RED	Red, polycarbonate w/6" (152.4) pigtails
T82GL-W	White, polycarbonate w/6" (152.4) pigtails

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9200



T82

D 5

①See page F-9 for isolated ground Features - Specifications.
②.73 (18.5)

Specifications are subject to change without notice.

BRYANT

NEMA 5-20

FASHION SERIES 9000™

2 Pole 3 Wire
20 Amp 125V Hospital Grade Receptacles

9300-I

9300-IL

9300-IL Side

T83-I

Features - Specifications

- Devices on this page meet or exceed all UL tests for "hospital grade" and conform to UL Standards 498 and 544
- One-piece grounding system with integral self-grounding strap (9300)
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon (9300)
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion (9300)
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (9300)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire (9300)
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screws (9300)
- Long-life neon lamp illuminates face of lighted receptacles for quick identification
- Easily accessible break-off tab for two-circuit wiring (9300)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- Shallow depth .73 (18.5) allows plenty of room for wiring (T83)
- Pre-stripped 6" (152.4) pigtail wire leads for fast installation (T83)
- Rust-resistant yoke (T83)
- Molded of high-impact polycarbonate (T83)
- UL Listed File #E2258 – Guide #RTRT
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

20 AMP 125V BACK AND SIDE WIRED RECEPTACLES

CATALOG NUMBER	DESCRIPTION
9300	Brown, nylon construction, self-grounding
9300-GRY	Gray, nylon construction, self-grounding
9300-I	Ivory, nylon construction, self-grounding
9300-RED	Red, nylon construction, self-grounding
9300-W	White, nylon construction, self-grounding

LIGHTED FACE RECEPTACLES

9300-GRYL	Gray, nylon face, self-grounding
9300-IL	Ivory, nylon face, self-grounding
9300-REDL	Red, nylon face, self-grounding
9300-WL	White, nylon face, self-grounding

ISOLATED GROUND RECEPTACLES①

9300-IG	Orange, nylon construction
9300-IGGRY	Gray, nylon construction
9300-IGI	Ivory, nylon construction
9300-IGRED	Red, nylon construction
9300-IGW	White, nylon construction

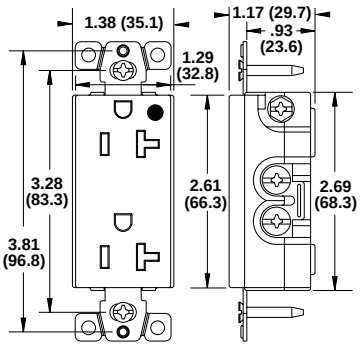
FASHION TRIM RECEPTACLES, COMPACT DESIGN – .73 (18.5) DEEP

T83	Brown, polycarbonate w/6" (152.4) pigtails
T83-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T83-I	Ivory, polycarbonate w/6" (152.4) pigtails
T83-RED	Red, polycarbonate w/6" (152.4) pigtails
T83-W	White, polycarbonate w/6" (152.4) pigtails

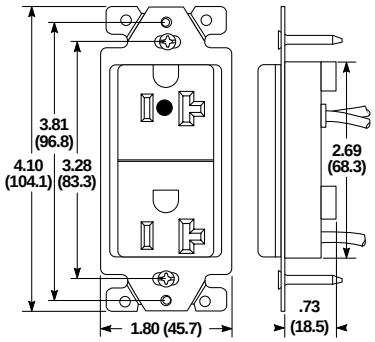
FASHION TRIM LIGHTED FACE RECEPTACLES, COMPACT DESIGN – .73② DEEP

T83GL-GRY	Gray, polycarbonate w/6" (152.4) pigtails
T83GL-I	Ivory, polycarbonate w/6" (152.4) pigtails
T83GL-RED	Red, polycarbonate w/6" (152.4) pigtails
T83GL-W	White, polycarbonate w/6" (152.4) pigtails

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9300



T83

D
6

①See page F-9 for isolated ground Features - Specifications.
②.73 (18.5)

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 6-15

FASHION SERIES 9000™, 2 Pole 3 Wire 15 Amp 125V; 15 Amp 250V Grounding

Back and Side Wired Industrial Grade Receptacles

9252-BLK

9252-BLK Side

9252-I

9252-I Side

Features - Specifications

RECEPTACLE

- Molded of high-impact, chemical-resistant nylon
- Full-face, wraparound design
- Heavy-duty wraparound steel yoke, double-plated (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Easily accessible break-off tab for two-circuit wiring (9252)
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

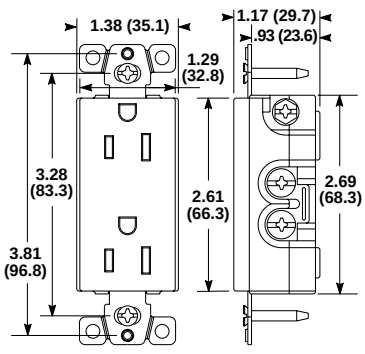
15 AMP 125V RECEPTACLES BACK AND SIDE WIRED

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
9252	9261	Brown, nylon construction, self-grounding
9252-BLK	—	Black, nylon construction, self-grounding
9252-GRY	9261-GRY	Gray, nylon construction, self-grounding
9252-I	9261-I	Ivory, nylon construction, self-grounding
9252-W	9261-W	White, nylon construction, self-grounding

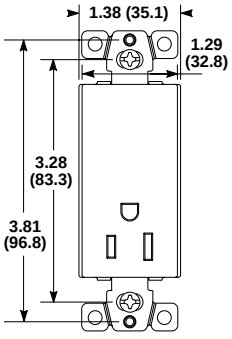
15 AMP 250V RECEPTACLES BACK AND SIDE WIRED

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
—	9661	Brown, nylon construction, self-grounding
—	9661-GRY	Gray, nylon construction, self-grounding
—	9661-I	Ivory, nylon construction, self-grounding
—	9661-W	White, nylon construction, self-grounding

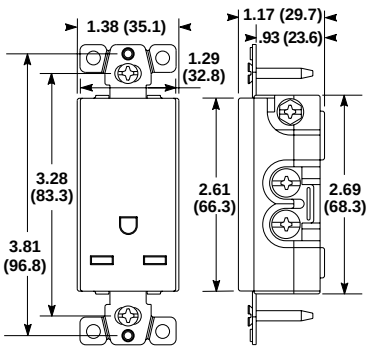
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9252



9261



9661

D 7

Specifications are subject to change without notice.

BRYANT

NEMA 5-20

NEMA 6-20

FASHION SERIES 9000™, 2 Pole 3 Wire 20 Amp 125V; 20 Amp 250V Grounding

Back and Side Wired Industrial Grade Receptacles

9352-BLK

9352-BLK Side

9352-I

9352-I Side

Features - Specifications

- Molded of high-impact, chemical-resistant nylon
- Full-face, wraparound design
- Heavy-duty wraparound steel yoke, double-plated (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Easily accessible break-off tab for two-circuit wiring
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

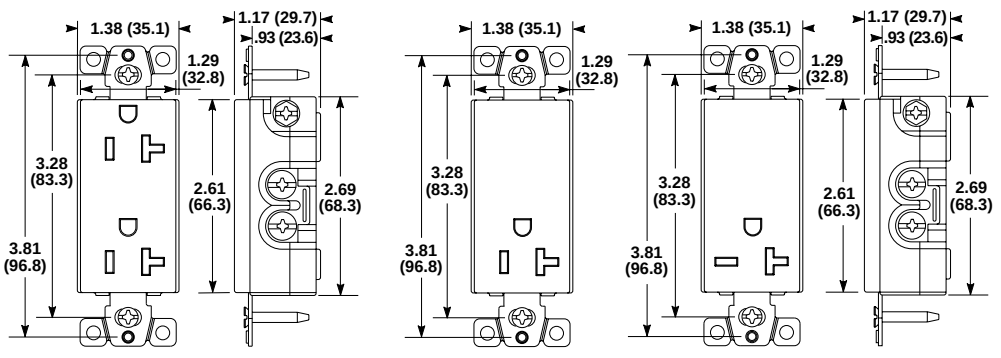
20 AMP 125V RECEPTACLES BACK AND SIDE WIRED

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
9352-BRN	9361	Brown, nylon construction, self-grounding
9352-BLK	—	Black, nylon construction, self-grounding
9352-GRY	9361-GRY	Gray, nylon construction, self-grounding
9352-I	9361-I	Ivory, nylon construction, self-grounding
9352-W	9361-W	White, nylon construction, self-grounding

20 AMP 250V RECEPTACLES BACK AND SIDE WIRED

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
—	9461①	Brown, nylon construction, self-grounding
—	9461-GRY①	Gray, nylon construction, self-grounding
—	9461-I①	Ivory, nylon construction, self-grounding
—	9461-W①	White, nylon construction, self-grounding

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9352 9361 9461

①To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

D 8

BRYANT

NEMA 5-15

NEMA 5-20

FASHION SERIES 9000™, 2 Pole 3 Wire 15 Amp 125V; 20 Amp 125V Grounding Side Wired Commercial Grade Receptacles

92CR15-B

92CR15-B Side

93CR20-BI

93CR20-BI Side

Features - Specifications

- Molded of high-impact nylon
- Full-face, wraparound design
- Heavy-duty wraparound zinc-plated steel yoke
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted hex head grounding screw
- Self-grounding strap for fast installations
- Easily accessible break-off tab for two-circuit wiring
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with NEMA Standards WD-1, WD-6 and UL 498
- NOM

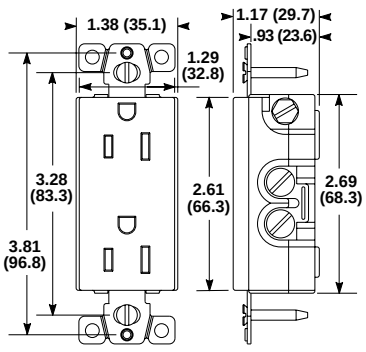
15 AMP 125V DUPLEX RECEPTACLES SIDE WIRED

CATALOG NUMBER	DESCRIPTION
92CR15-B	Brown, nylon face, self-grounding
92CR15-BC	Brown, nylon face, self-grounding w/Robertson head screws
92CR15-BGRY	Gray, nylon face, self-grounding
92CR15-BGYC	Gray, nylon face, self-grounding w/Robertson head screws
92CR15-BI	Ivory, nylon face, self-grounding
92CR15-BIC	Ivory, nylon face, self-grounding w/Robertson head screws
92CR15-BW	White, nylon face, self-grounding
92CR15-BWC	White, nylon face, self-grounding w/Robertson head screws

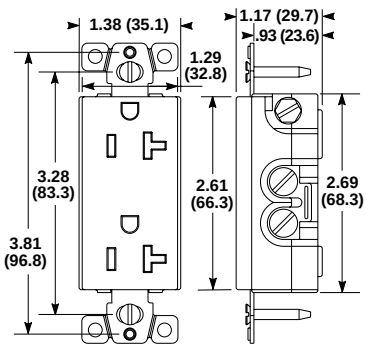
20 AMP 125V DUPLEX RECEPTACLES SIDE WIRED

CATALOG NUMBER	DESCRIPTION
93CR20-B	Brown, nylon face, self-grounding
93CR20-BGRY	Gray, nylon face, self-grounding
93CR20-BI	Ivory, nylon face, self-grounding
93CR20-BW	White, nylon face, self-grounding

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



92CR15-BI



93CR20-BI

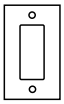
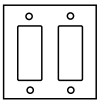
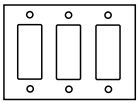
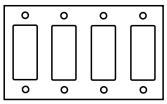
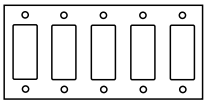
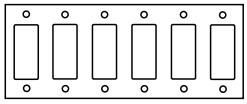
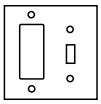
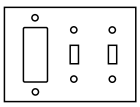
D 9

Specifications are subject to change without notice.

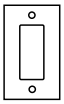
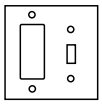
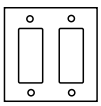
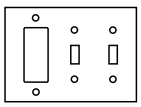
Nylon and Metal Wall Plates

Features - Specifications

- High-impact nylon for maximum strength and chemical resistance
- Type 302/304 stainless steel is nonmagnetic and provides excellent corrosion resistance
- Smooth, easy-to-clean surface
- .040 (1.0) solid brass for rich appearance, coated to inhibit oxidation
- Chrome or brass plated steel provides a classic look economically
- Engraved “Emergency” plates available
- Conforms to NEMA Standards WD-1
- UL Listed File #E33208 – Guide #QCDX
- CSA Certified File #LR18266 – Guide #300416
- NOM

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL .040 BRUSHED BRASS	
	COLOR	STANDARD	MID-SIZE				
 Fashion/Or Ground Fault Receptacle	Ivory White Gray Red Brown Black	N2101D N1301D N1401D N2201D N1201D N0101D	N2101DM N1301DM N1401DM N2201DM N1201DM	Chrome Brass	S401D S901D	302/304 S/S Brass	S601D S2801D
 Two Fashion Receptacles	Ivory White Gray Red Brown Black	N2102D N1302D N1402D N2202D N1202D N0102D	N2102DM N1202DM	Chrome Brass	S402D S902D	302/304 S/S Brass	S602D S2802D
 Three Fashion Receptacles	Ivory White Gray Brown Black	N2103D N1303D N1403D N1203D N0103D	 	Chrome Brass	① S903D	302/304 S/S Brass	S603D S2803D
 Four Fashion Receptacles	Ivory White Gray Brown	N2104D N1304D N1404D N1204D	 	Chrome Brass	① ①	302/304 S/S Brass	S604D S2804D
 Five Fashion Receptacles	Ivory White Gray Brown	N2105D N1305D N1405D N1205D	 	Chrome Brass	① ①	302/304 S/S Brass	S605D S2805D
 Six Fashion Receptacles	Ivory White Gray Brown	N2106D N1306D N1406D N1206D	 	Chrome Brass	① ①	302/304 S/S Brass	S606D S2806D
 One Fashion Receptacle One Switch	Ivory White Brown	 	N2132DM N1332DM N1232DM	Chrome Brass	① S932D	302/304 S/S Brass	S632D S2832D
 One Fashion Receptacle Two Switches	Ivory White Brown	 	N2133DM N1333DM N1233DM	Chrome Brass	① ①	302/304 S/S Brass	S633D ①

OVERSIZE STAINLESS STEEL 302/304 WALL PLATES

 Fashion/Or Ground Fault Receptacle	S601DJ	 One Fashion Receptacle One Switch	S632DJ
 Two Fashion Receptacles	S602DJ	 One Fashion Receptacle Two Switches	S633DJ

①Available as a custom wall plate. Consult pages M-18 to M-22.

Consult custom wall plate pages for additional openings or combinations.

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

GFR® Ground Fault Receptacles
2 Pole 3 Wire Grounding
15 Amp 125V; 20 Amp 125V

GFR52FT-I

GFR53FT-W

GF53INT-GRY

Features - Specifications

RECEPTACLE

- Bryant Ground Fault Receptacles conform to UL Standards 943, Class A and National Electrical Code requirements
- Feed-thru units can be wired to protect additional down-stream receptacles on the same circuit
- Compact shallow design permits flush mounting in standard 2½" (63.5) deep outlet box
- Wall Plate included with each receptacle
- One-piece triple-wipe brass line contacts
- Heavy zinc-plated steel rust-resistant yoke
- Face and base molded of rugged impact-resistant thermoplastic material
- Both 15 amp and 20 amp GFR® receptacles have ampacity interrupting rating of 20 amp at 125V AC
- Meets disconnect speed of 25 milliseconds at operating voltages 102-132 volt range for fault currents of 264ma based on UL formula $T=(\frac{20}{ma})^{1.43}$
- Sensitive to fault currents as low as 5ma ± 1ma. From no-load to full-rated load
- Electronic amplifier protected by unique varistor and spark ring from voltage transients of 6000 volt ring wave configuration
- All welded internal load current construction
- Withstand rating of 2000 amperes
- UL Listed File #E57705 – Guide #KCXS
- CSA Certified Class 1451 – File #LR65058
- Verified Under Fed. Spec. #WC596 (GFR82FT, GFR82FT-I)
- Operating temperatures from -35°C to +66°C
- NOM

GROUND FAULT

CATALOG NUMBER		COLOR
15 AMP 125V NEMA 5-15 FEED-THRU	20 AMP 125V NEMA 5-20 FEED-THRU	
GFR52FT	GFR53FT	Brown
GFR52FT-BLK	GFR53FT-BLK	Black
GFR52FT-GRY	GFR53FT-GRY	Gray
GFR52FT-I	GFR53FT-I	Ivory
GFR52FT-R	GFR53FT-R	Red
GFR52FT-W	GFR53FT-W	White

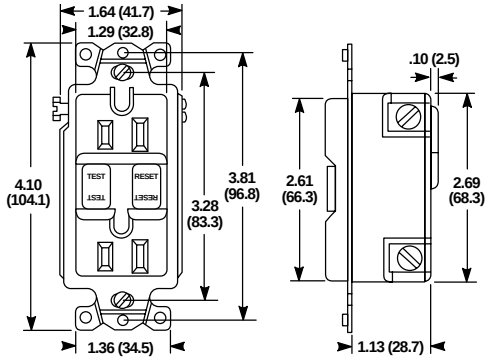
HOSPITAL GRADE

CATALOG NUMBER		COLOR
15 AMP 125V NEMA 5-15 FEED-THRU	20 AMP 125V NEMA 5-20 FEED-THRU	
GFR82FT	GFR83FT	Brown
GFR82FT-GRY	GFR83FT-GRY	Gray
GFR82FT-I	GFR83FT-I	Ivory
GFR82FT-R	GFR83FT-R	Red
GFR82FT-W	GFR83FT-W	White

"BLANK FACE"

CATALOG NUMBER 20 AMP 125V FEED-THRU	COLOR	DESCRIPTION
GF53INT	Brown	"Blank Face" Ground Fault Interrupter
GF53INT-GRY	Gray	"Blank Face" Ground Fault Interrupter
GF53INT-I	Ivory	"Blank Face" Ground Fault Interrupter
GF53INT-R	Red	"Blank Face" Ground Fault Interrupter
GF53INT-W	White	"Blank Face" Ground Fault Interrupter

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



GFR52FT

D 11

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

CIRCUIT WATCH™

Surge Suppression Receptacles

2 Pole 3 Wire Grounding, 15 Amp 125V; 20 Amp 125V

ALL PRODUCTS NEW

SP53-TIGIA

SP83-TIGBLA

SP52-LIA Side

Features - Specifications

150 JOULE I.G. VERSION

- Peak clamping level 600 volts all modes
- Maximum surge current 13,000 amps all modes
- Unique triple disc M.O.V. (2)
- Bright green L.E.D. indicator light
- High-impact nylon molded face cover
- Binding head terminal screw will accept up to #12 solid or stranded wire
- Self-grounding clip yoke design
- Snub hole wiring aid
- Meets or exceeds IEEE 587 Standards (A & B); exceeds portable surge rating requirements, UL 1449, UL 498, CSA 22.2, No. 42M (15 amp only) and UL 1283

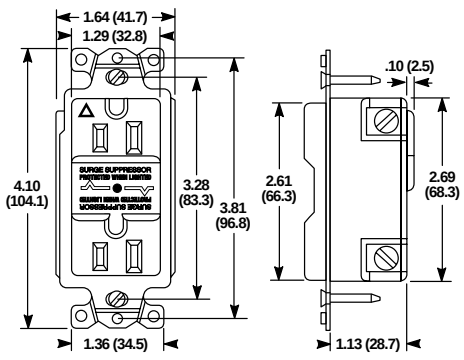
80 JOULE LEADED VERSION

- Bryant 80 joule duplex surge receptacle comes with 7" (177.8) prestripped leads, and twist-on connectors
- Shallowest depth available in a surge receptacle, .750" (19.1)
- Bright green L.E.D. indicator light
- Common and normal mode protection
- Varistor size 20mm
- Response time: approximately 5ns
- Shallow design allows ample room for wiring
- Ideal for retrofit applications
- UL 1449 ANSI/IEEE C62.41-(IEEE587)
- CSA TIL #1-11B/Stranded C22.2, No. 42M
- NOM

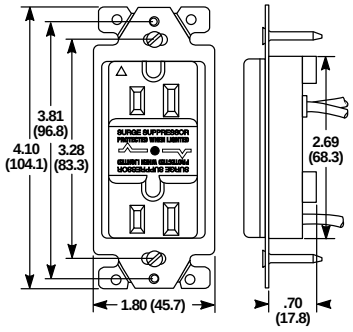
DUPLEX SURGE SUPPRESSION RECEPTACLES (INCLUDES WALL PLATES)

CAT. NO.	AMP RATING	COLOR	JOULES	DESCRIPTION
SP52-TIGA	15	Brown	150	Industrial grade, isolated ground, nylon
SP52-TIGBLA	15	Blue	150	Industrial grade, isolated ground, nylon
SP52-TIGGRA	15	Gray	150	Industrial grade, isolated ground, nylon
SP52-TIGIA	15	Ivory	150	Industrial grade, isolated ground, nylon
SP52-TIGWA	15	White	150	Industrial grade, isolated ground, nylon
SP53-TIGA	20	Brown	150	Industrial grade, isolated ground, nylon
SP53-TIGBLA	20	Blue	150	Industrial grade, isolated ground, nylon
SP53-TIGGRA	20	Gray	150	Industrial grade, isolated ground, nylon
SP53-TIGIA	20	Ivory	150	Industrial grade, isolated ground, nylon
SP53-TIGWA	20	White	150	Industrial grade, isolated ground, nylon
SP82-TIGA	15	Brown	150	Hospital grade, isolated ground, nylon
SP82-TIGBLA	15	Blue	150	Hospital grade, isolated ground, nylon
SP82-TIGIA	15	Ivory	150	Hospital grade, isolated ground, nylon
SP83-TIGA	20	Brown	150	Hospital grade, isolated ground, nylon
SP83-TIGBLA	20	Blue	150	Hospital grade, isolated ground, nylon
SP83-TIGIA	20	Ivory	150	Hospital grade, isolated ground, nylon
SP52-LBLA	15	Blue	80	Wire leads, Lexan®
SP52-LIA	15	Ivory	80	Wire leads, Lexan
SP53-LBLA	20	Blue	80	Wire leads, Lexan
SP53-LIA	20	Ivory	80	Wire leads, Lexan

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



SP52-TIGIA



SP52-LA SERIES

D 12

Specifications are subject to change without notice.

Voice/Data Communication Outlets

9CWNTN-I

9CTN2-GRY

9CCE-I

9CTNBD-I

9CDPX-I

Features - Specifications

- Choice of a wide variety of voice and data outlets to satisfy most any application or delivery system requirement
- Low profile, contemporary design is molded of high-impact, chemical-resistant nylon
- Designed to match Fashion Series™ 9000 quality and styling
- Configurations provide a wide variety of mounting methods in walls, pedestals, raceways, under-floor systems or panels
- Standard 3.281 (83.3)box mounted
- Matching wall plates available in high-impact nylon, stainless steel or brass

DUPLEX STYLE OUTLET

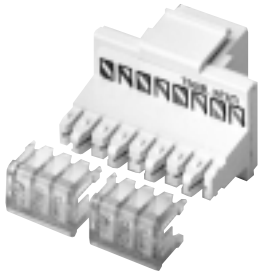
- High-impact 94V-O rated thermoplastic
- UL and CSA Listed

DESCRIPTION	IVORY	WHITE	GRAY	BLACK
One Modular Jack Opening	9CTN-I	9CTN-W	9CTN-GRY	9CTN-BLK
Two Modular Jack Openings	9CTN2-I	9CTN2-W	9CTN2-GRY	9CTN2-BLK
One Modular Jack and One IBM Opening	9CWNTN-I	9CWNTN-W	9CWNTN-GRY	9CWNTN-BLK
One Modular Jack and One 3/8" (9.5) Opening	9CTNBD-I	9CTNBD-W	9CTNBD-GRY	9CTNBD-BLK
One 3/8" (9.5) Opening	9CBD-I	9CBD-W	9CBD-GRY	—
Two 3/8" (9.5) Openings	9CBD2-I	9CBD2-W	9CBD2-GRY	—
One 1/2" (12.7) Opening	9CBN-I	9CBN-W	9CBN-GRY	—
One 3/4" (19.1) Opening w/Bushing	9CKB-I	9CKB-W	9CKB-GRY	—
One Thin Wire Ethernet Opening	9CCT-I	9CCT-W	9CCT-GRY	—
One 25 Pin (RS232) Opening	9CCE-I	9CCE-W	9CCE-GRY	9CCE-BLK
Blank Device	9CO-I	9CO-W	9CO-GRY	9CO-BLK
Duplex Style Two Modular Jack Openings	9CDPX-I	9CDPX-W	—	9CDPX-BLK

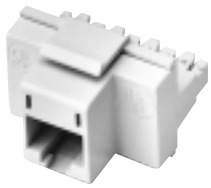
Please refer to the modular jacks on page D-14 and data connectors on page D-15 to utilize voice/data communication outlets.

Specifications are subject to change without notice.

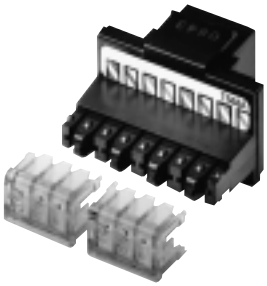
Voice/Data Modular Jacks



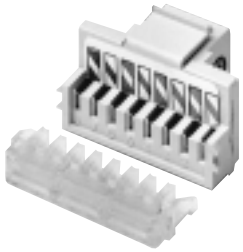
9CJ85A-W



9CJ85A-I



9CJ85IK-BLK



9CJ83A-I

9CJ6-BLK

Features - Specifications

CATEGORY 5 MODULAR JACKS

- Bryant's 9CJ85 Series modular jacks exceed the requirements listed in EIA/TIA TSB40 for Category 5 connecting hardware, on all pair combinations
- Patented 100Mbps printed circuit board delivers consistent performance and optimum data bit speed
- Patented hairpin design contacts increase plug contact surface while reducing wear
- 110 IDC wire terminations are integral to plastic housing for fast installation and durability

CATEGORY 3 MODULAR JACKS

- Printed circuit board wiring delivers consistent, superior performance
- Patented torsion spring gas-tight IDC contacts

ALL MODULAR JACKS

- All contacts are 50 micro-inch (1.27 micrometers) gold-plated over beryllium copper for excellent reliability
- Fast, easy-to-wire insulation displacement contacts (IDC) method provides positive, reliable terminations
- High-impact thermoplastic, design provides excellent durability
- Color-coded wiring labels are fixed directly in line with IDC contacts for fast, simple identification
- Standardized cutout dimension fits a wide variety of plates, outlet frames (see page D-13), patch panels, and other voice/data wiring delivery systems
- Choice of ivory, white or black to meet aesthetic requirements
- T568A, T568B, USOC configurations can be utilized in many applications
- UL 1863 Listed. Self-extinguishing plastic rated 94V-O
- CSA Certified
- Meets FCC Part 68.5 requirements

CATEGORY 5 – EIA/TIA 568 STANDARDS
MODULAR JACKS: 8 POSITION – 110 STYLE IDC TERMINALS

CATALOG NUMBER	COLOR/DESCRIPTION	WIRE SIZE (AWG)
9CJ85A-I	Ivory modular jack, T568B (AT&T) wired	22-26
9CJ85A-W	White modular jack, T568B (AT&T) wired	22-26
9CJ85A-BLK	Black modular jack, T568B (AT&T) wired	22-26
9CJ85AK-BLK	Black modular jack, keyed, T568B (AT&T) wired	22-26
9CJ85I-I	Ivory modular jack, T568A (ISDN) wired	22-26
9CJ85I-W	White modular jack, T568A (ISDN) wired	22-26
9CJ85I-BLK	Black modular jack, T568A (ISDN) wired	22-26
9CJ85IK-BLK	Black modular jack, keyed, T568A (ISDN) wired	22-26

CATEGORY 3 – EIA/TIA 568 STANDARDS, MODULAR JACKS: 8 POSITION

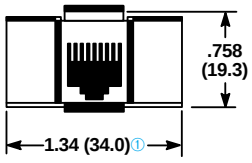
CATALOG NUMBER	COLOR/DESCRIPTION	WIRE SIZE (AWG)
9CJ83A-I	Ivory modular jack, T568B (AT&T) wired	24-26
9CJ83A-W	White modular jack, T568B (AT&T) wired	24-26
9CJ83A-BLK	Black modular jack, T568B (AT&T) wired	24-26
9CJ83I-I	Ivory modular jack, T568A (ISDN) wired	24-26
9CJ83I-W	White modular jack, T568A (ISDN) wired	24-26
9CJ83I-BLK	Black modular jack, T568A (ISDN) wired	24-26

MODULAR JACKS: 6 POSITION

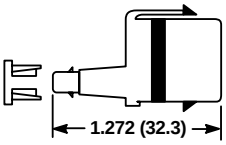
CATALOG NUMBER	COLOR/DESCRIPTION	WIRE SIZE (AWG)
9CJ6-I	Ivory modular jack, USOC (RJ25) wired	24-26
9CJ6-W	White modular jack, USOC (RJ25) wired	24-26
9CJ6-BLK	Black modular jack, USOC (RJ25) wired	24-26

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

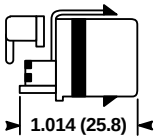
FRONT VIEW



9CJ85 "110" SERIES SIDE VIEW



9CJ83, 9CJ6 SERIES SIDE VIEW



WIRING FORMATS

Recommended Hole Size

.58 (14.7) x .76 (19.3)

T568B, (AT&T) 8 position/8 wire

T568A (ISDN) 8 position/8 wire

USOC (RJ25) 6 position/6 wire

① 9CJ6 Series width is 1.02 (25.9).

Refer to page O-13 for additional modular jack information.

Specifications are subject to change without notice.

A

B

C

D

E

9TFSJ4-I

9TFSJ4F-I

9TF-W

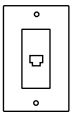
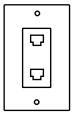
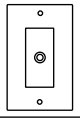
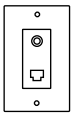
CONNECTORS – IBM① STYLE, BNC, FIBER OPTIC, "F", RS232, 25 PIN

CATALOG NO.	FIG.	DESCRIPTION
9CX4PIBM	A	IBM style cable system connector (4-position)
9CXF81FF	B	"F" coaxial connector, female/female, 3/8" (9.5) bulkhead mount
9CXBNCFF	C	BNC coaxial connector, female/female, 1/2" (12.7) bulkhead mount
9CXFOSTF	D	Fiber Optic female "ST" adapter, 3/8" (9.5) bulkhead mount
9CX25F	E	25 Pin, "RS232", female crimp-type connector
9CX25M	—	25 Pin, "RS232", male crimp-type connector
9CX25HW	—	RS232 mounting hardware, 2 each lock screws, nuts, washers

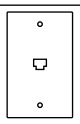
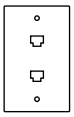
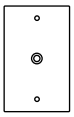
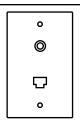
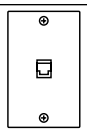
Features - Specifications

- Available in Fashion Series™ style or standard design
- Constructed of high-impact, UL 94 V-O rated thermoplastic
- 4-conductor, RJ11/RJ14 devices are UL/CSA Listed and meet FCC part 68 requirements
- Screw terminals
- "F" coaxial connector is threaded on each end
- Fits standard electrical boxes, 3.281" (83.3) mounting

FASHION SERIES STYLE TELEPHONE AND CATV DEVICES

	CATALOG NUMBER	COLOR	DESCRIPTION
	9TFSJ4-I	Ivory	1-type 625 jack device, gangable, separate wall plate included
	9TFSJ4-W	White	1-type 625 jack device, gangable, separate wall plate included
	9TFSJ44-I	Ivory	2-type 625 jacks in a 1-gang wall plate
	9TFSJ44-W	White	2-type 625 jacks in a 1-gang wall plate
	9TFSF-I	Ivory	1-"F" type coaxial device, gangable, separate wall plate included
	9TFSF-W	White	1-"F" type coaxial device, gangable, separate wall plate included
	9TFSJ4F-I	Ivory	Combination - 1-jack, 1-"F" connector in a 1-gang wall plate
	9TFSJ4F-W	White	Combination - 1-jack, 1-"F" connector in a 1-gang wall plate

STANDARD TELEPHONE AND CATV DEVICES

	CATALOG NUMBER	COLOR	DESCRIPTION
	9TJ4-I	Ivory	1-type 625B4 jack in a 1-gang wall plate
	9TJ4-W	White	1-type 625B4 jack in a 1-gang wall plate
	9TJ44-I	Ivory	2-type 625B3 jacks in a 1-gang wall plate
	9TJ44-W	White	2-type 625B3 jacks in a 1-gang wall plate
	9TF-I	Ivory	1-"F" type coaxial connector in a 1-gang wall plate
	9TF-W	White	1-"F" type coaxial connector in a 1-gang wall plate
	9TJ4F-I	Ivory	Combination - 1-jack, 1-"F" connector in a 1-gang wall plate
	9TJ4F-W	White	Combination - 1-jack, 1-"F" connector in a 1-gang wall plate
	9TJ4S-I	Ivory	1-type 630A wall phone jack with snap-on plate
	9TJ4SB-I	Ivory	1-type 625A2 surface mount jack

① IBM is a trademark of International Business Machines Corporation.

Specifications are subject to change without notice.

Occupancy Sensors Passive Infrared

MSFL-1200I

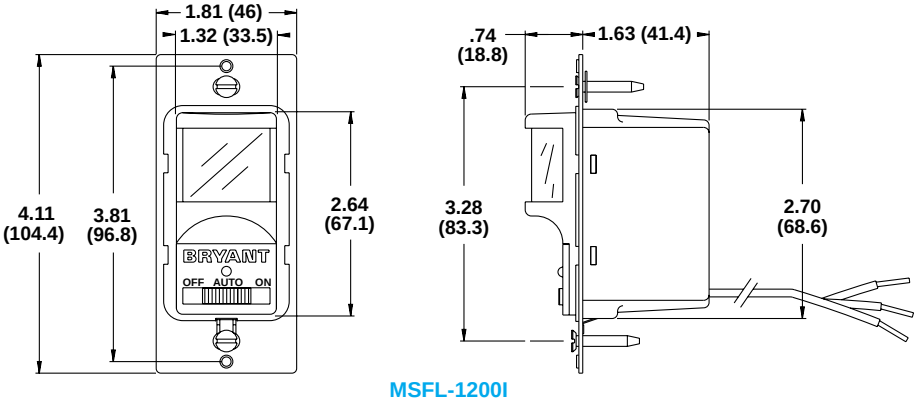
Features - Specifications

FASHION SERIES WALL SWITCH OCCUPANCY SENSOR

- Dual voltage for either 120/277 incandescent or fluorescent lighting
- Canadian version 347V AC also available
- No minimum load required
- True 180° field of view
- 1200 square ft. (111.0 m²) coverage
- Replaces existing wall switch
- 45 seconds to 20 minutes adjustable time delay
- Switching capability true 1500 watts: incandescent, fluorescent standard or electronic ballast, including compact fluorescent
- Self-grounding yoke
- Daylight control photocell is adjustable from 1 foot candle to 1000 foot candles
- 3-position override switch; OFF-AUTO-ON
- Tamper-proof cover
- Lock-out feature for "ON" position
- Can be gangable
- Heavy-duty relay design used for switching
- Can be used in three-way switching
- 3-wire connection line, load, ground for safety
- Matching wall plate included

CATALOG NUMBER	COLOR	DESCRIPTION
MSFL-1200I	Ivory	Fashion Series Wall Switch Sensor. Dual voltage. 120/277V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. UL Listed and CSA Certified.
MSFL-1200W	White	Fashion Series Wall Switch Sensor. Dual voltage. 120/277V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. UL Listed and CSA Certified.
MSFL-1200IC	Ivory	Fashion Series Wall Switch Sensor. 347V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage.180° field of view. 1500 watt max., 0 watt min. CSA Certified only.
MSFL-1200WC	White	Fashion Series Wall Switch Sensor. 347V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage.180° field of view. 1500 watt max., 0 watt min. CSA Certified only.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



MSFL-1200I

Specifications are subject to change without notice.

Incandescent Preset Slide Dimmer Controls, Incandescent Dimmers

9DSL600-PSI

9DT600-W

9DFC3003A

Features - Specifications

- Reliable low-intensity operation
- Full range dimming control
- ON/OFF rocker switch
- Silver-alloy switch contacts
- Includes ground fault interrupter (GFI) style decorator wall plate

TYPE – TOUCH

- Reliable low-intensity operation
- Full range dimming control
- Tap ON/OFF, touch and hold for desired light level
- Includes ground fault interrupter (GFI) style decorator wall plate

TYPE – FAN/LIGHT CONTROL

- Dual control allows for independent control of ceiling fan and light kit
- Infinitely variable control
- 3 wires required for installation
- Complete with knobs and wall plate
- Maximum load fan – 3 amps
- Maximum load incandescent – 300 watts
- Switches – rotary ON/OFF
- Silver-alloy contacts

ALL DIMMERS

- Advanced radio frequency interference protection circuitry
- Fits all standard wall boxes
- Individually tested for full operation at factory
- UL Listed, CSA Certified
- Made in USA
- NOM

PRESET SLIDE DIMMER CONTROL, 120V AC 60 Hz (INCANDESCENT LOADS ONLY)

CATALOG NUMBER	RATING	DESCRIPTION
9DS600-PSI	600W	Single-pole, slide preset, ivory
9DS600-PSW	600W	Single-pole, slide preset, white
9DSL600-PSI	600W	Single-pole, slide preset, lighted, ivory
9DSL600-PSW	600W	Single-pole, slide preset, lighted, white
9DS3600-PSI	600W	3-way, slide preset, ivory
9DS3600-PSW	600W	3-way, slide preset, white

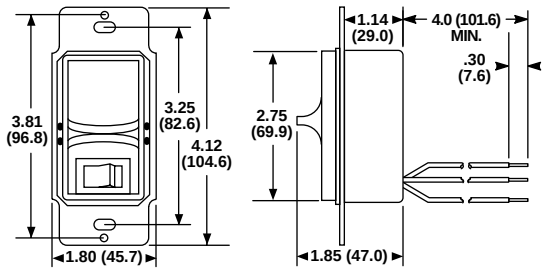
TOUCH DIMMER CONTROL, 600 WATTS MAX., 120V AC 60 Hz (INCANDESCENT LOAD ONLY)

9DT600-I	600W	Single-pole, ivory
9DT600-W	600W	Single-pole, white
9DTL600-I	600W	Single-pole lighted, ivory

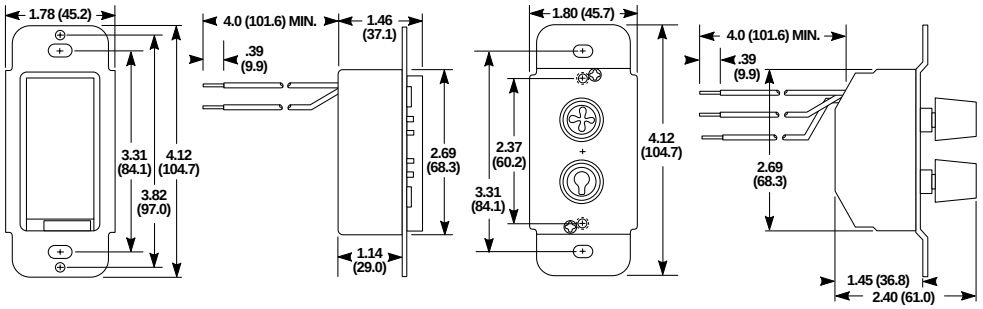
FAN/LIGHT CONTROL, 3 AMP FAN, 300 WATT LIGHT, 120V AC 60 Hz

CATALOG NUMBER	DESCRIPTION
9DFC3003A①	Rotary combination fan/light control, ivory

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9DSL600-PSI, 9DS3600-PSI



9DT600-W

9DFC3003A

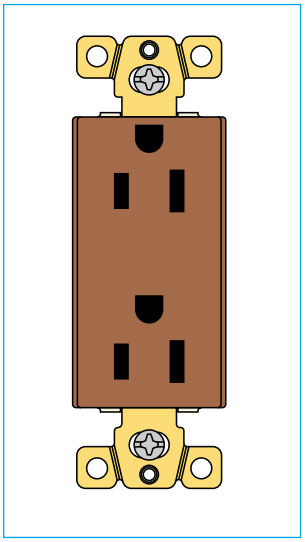
① Use only with permanent split capacitor or shaded pole motors.

Specifications are subject to change without notice.

BRYANT

Industrial Grade FASHION SERIES™ 9000 Straight Blade Duplex Receptacles Technical Specifications

STRAIGHT BLADE DUPLEX RECEPTACLE



DESCRIPTION

Typical Specification — Catalog No. 9252

Manufacturer's Identification — Bryant 9252

Description — Industrial Grade Fashion Series Straight Blade Duplex Receptacle, back and side wired

Type — 2 Pole, 3 Wire, Grounding

Rating — 15A, 125V

CERTIFICATION

- UL Listed, File E2258, Guide RTRT
- Complies with NEMA WD-1 Heavy Duty and WD-6 requirements
- Listed to UL Standards 498
- Certified to CSA, C22.2, No. 42 where applicable

COMPONENTS	MATERIALS
Cover	Nylon (square face)
Base	Nylon
Line Contacts	.031" (.8) 688 Brass
Clamp Nut	Steel
Mounting Yoke	.050" (1.3) Steel (nickel & brass plated)
Terminal Screws	Combination Brass #8-32
Grounding Screw	Combination Brass (Green) #8-32
Grounding Contacts	688 Brass
Grounding Assembly	Heavy Copper Rivets
Mounting Screws	Combination, Steel-Zinc Plated

PERFORMANCE

Electrical

Dielectric Voltage . . . . . Withstands 2,000V minimum.
Max. Working Voltage . . . . . 250V.
Current Interrupting . . . . . Certified for current interrupting at full rated current.
Temperature Rise . . . . . Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current with direct current.

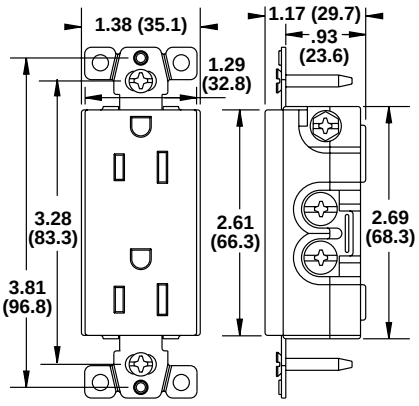
Mechanical

Terminal Identification . . . . . Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation . . . . . #14 — #10 AWG copper conductor only.
Product Identification . . . . . Ratings are a permanent part of the device.

Environmental

Flammability . . . . . Top: UL 94 V2.
Base: UL 94 V2.
Operating Temperatures . . . . . Maximum continuous 60°C, minimum -40°C (w/o impact).

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9252

Additional

9352
(see catalog page D-8).

See catalog page D-7 for catalog numbers, features, product descriptions and product photographs.

Specifications are subject to change without notice.

Section E

LIGHTING CONTROLS

Section E Index

LIGHTING CONTROLS

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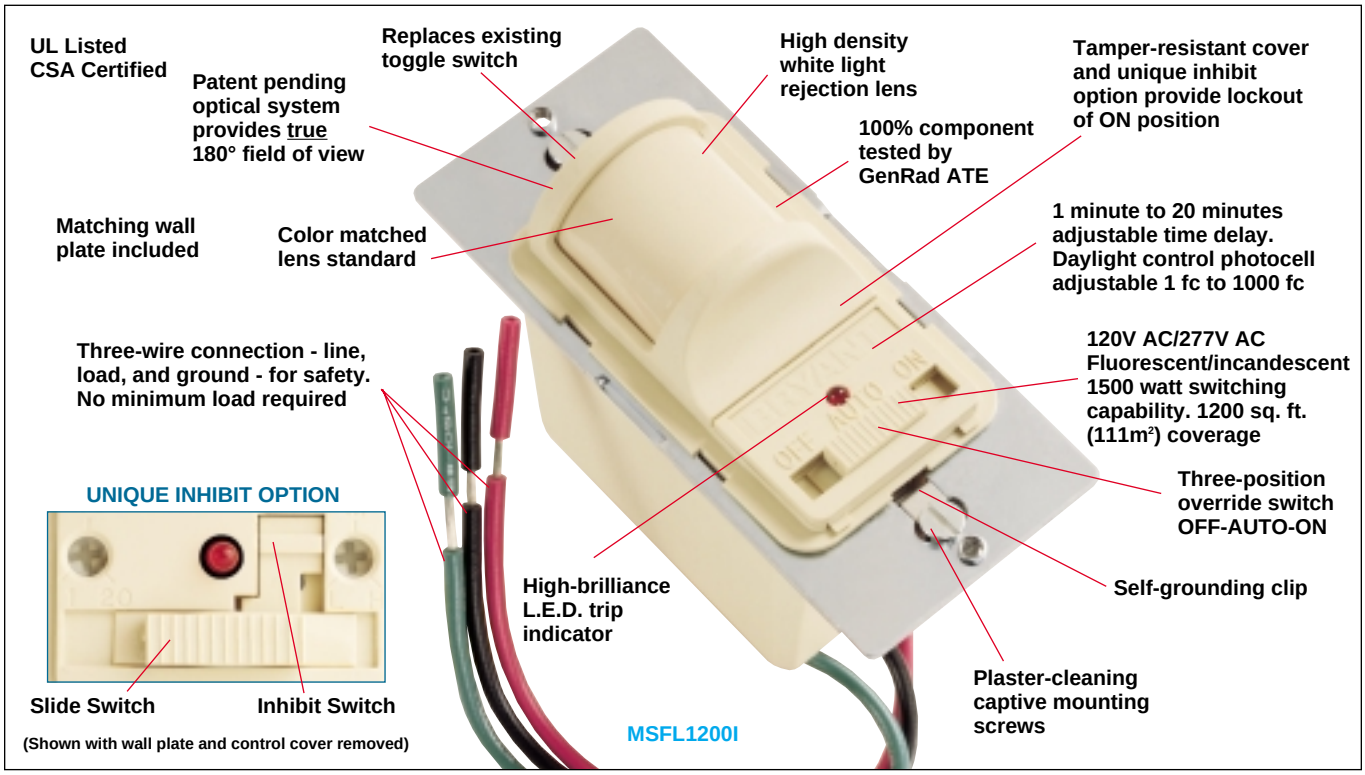
BRYANT

Product Features
MOTION SWITCH®
Passive Infrared Occupancy Sensors



PROVEN QUALITY - ADVANCED INFRARED TECHNOLOGY

MOTION SWITCH is a passive infrared (PIR) sensor activated by body heat and human movement within its field of view. Because of its safety and cost-efficiency, PIR is today's technology of choice for lighting control. Another reason to consider MOTION SWITCH is the built-in dependability of a Bryant product.

AVAILABLE TYPES

Bryant offers a full selection of MOTION SWITCHES including wall switch sensors and wall switch hallway sensors, plus hallway, wide view and ceiling sensors with and without daylight control.

Low Voltage Ceiling

Low Voltage Hallway & Wide View

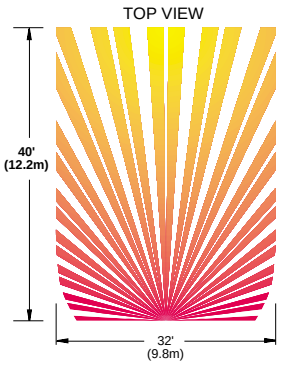
Line Voltage Wall Switch

APPLICATIONS

When it's a question of energy conservation, the answer is MOTION SWITCH! The savings are automatic, because MOTION SWITCH turns lights OFF in unoccupied areas; turns lights ON when people enter. It's an easy way to save 40% or more per year in lighting costs.

THE WALL SWITCH SENSOR

It takes less than 10 minutes to replace a 2-wire toggle switch with a MOTION SWITCH Wall Switch. Ideal for new or retrofit use, the wall switch sensor is designed for enclosed offices, rest rooms, conference rooms, storage closets, and other areas up to 1200 sq. ft.(111m²). Unlike some sensors, MOTION SWITCH is compatible with electronic ballasts. The Bryant Wall Switch Sensor has a field of view of 180°.



THE CEILING SENSOR

Ideal applications are open offices with partitioned cubicles. Typically, one sensor will cover 4 to 6 work stations. Field of view is 200 sq. ft. (18.5 m²) to 1200 sq. ft. (111 m²). Unit comes standard with a photocell for daylight control. With associated control module it can switch up to a 15 amp load.

THE WIDE VIEW SENSOR

Wide View Sensors have a field of view of 40 feet (12.2m) by 140 degrees mounted at 3½ (1m) to 10 feet (3m). The sensor is wall or corner mounted to a single-gang box. Ideally, the sensor should be mounted in the corner adjacent to the door or entry into the room.

Wide-view and hallway sensors come standard with a photocell for daylight control to optimize energy savings by keeping lights off based on the ambient light level. Area of coverage is 1600 sq. ft. (148m²) and is ideal for large conference rooms and classrooms.

THE HALLWAY SENSORS

Hallway Sensors are designed for long narrow areas such as corridors and aisleways. At a 6 to 7 foot (1.8 to 2.1m) mounting height, the Hallway Sensors will detect horizontal movement up to 75 ft. (22.9m). Multiple sensors may be used to cover longer or L-shaped areas.

Low Voltage Hallway Sensor works identically to the Wide View Sensor except for its coverage pattern. This sensor also has a built-in "tilting" ability for aiming it downward in areas of less than 75 ft. (22.9m), or mounting heights in excess of 6 to 7 feet (1.8 to 2.1m). The Hallway sensor will cover an area of 75 linear feet (22.9m) at an 8' (2.4m) mounting height. The Hallway's sensing pattern can detect motion in a hallway or aisleway that is 75' (22.9m) long by 7.5 degrees with great sensitivity.

Product specifications appearing in the following section are subject to change without notice.

BRYANT

MOTION SWITCH®
Occupancy Sensors Passive Infrared

NEW!

MSWM1000DC

NEW!

MSWM1000DC

MSWM1000AC
ADJUSTMENT SECTION

The Motion Switch® Occupancy Sensors include wall switch, wide-view, hallway and ceiling-mounted sensors. Motion Switch® Occupancy Sensors are typically used in private offices, conference rooms, classrooms, hallways, stairwells, stock rooms, rest rooms and warehouse space. The typical savings will pay for the installation within two years.

Features - Specifications

MSFL1200
FASHION SERIES WALL SWITCH OCCUPANCY SENSOR

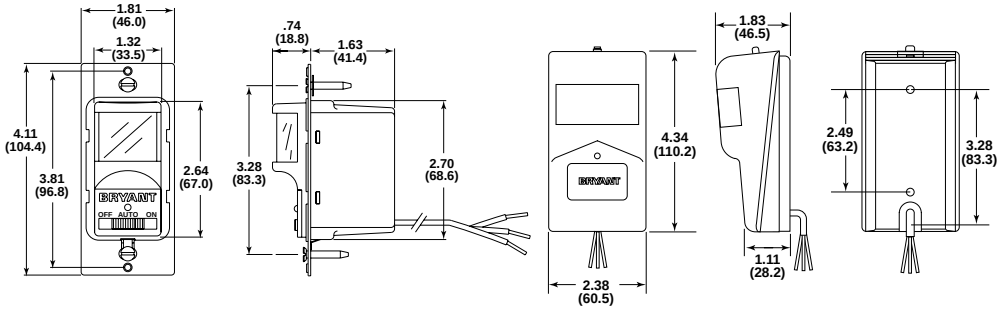
- Dual voltage for either 120/277 incandescent or fluorescent lighting
- Canadian version 347V AC also available
- No minimum load required
- True 180° field of view
- 1200 square ft. (111.0 m²) coverage
- Replaces existing wall switch
- 45 seconds to 20 minutes adjustable time delay
- Switching capability true 1500 watts: incandescent, fluorescent standard or electronic ballast, including compact fluorescent
- Self-grounding yoke
- Daylight control photocell is adjustable from 1 foot candle to 1000 foot candles
- 3-position override switch; OFF-AUTO-ON
- Tamper-proof cover
- Lock-out feature for “ON” position
- Can be gangable
- Heavy-duty relay design used for switching
- Can be used in three-way switching
- 3-wire connection line, load, ground for safety
- Matching wall plate included

MSWM1000DC
WIDE-VIEW WALL-MOUNT OCCUPANCY SENSOR

- Can be mounted directly to GEM box
- 3-position adjustable field of view
- 1600 square feet (148.6 m²)of coverage
- Up to 15 sensors can be put on one control module
- Conforms to California Title 24
- Small design complements any interior
- Available in 12V DC for use with low voltage control pack (CM120/277)
- Available in 24V AC for use in low voltage switching systems (MSWM1000AC)
- Integral photocell for daylight control
- Green L.E.D. ambient level indicator

CATALOG NUMBER	COLOR	DESCRIPTION
MSFL-1200I	Ivory	Fashion Series Wall Switch Sensor. Dual voltage.120/277V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. UL Listed and CSA Certified.
MSFL-1200W	White	Fashion Series Wall Switch Sensor. Dual voltage.120/277V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. UL Listed and CSA Certified.
MSFL-1200IC	Ivory	Fashion Series Wall Switch Sensor. 347V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. CSA Certified only.
MSFL-1200WC	White	Fashion Series Wall Switch Sensor. 347V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. CSA Certified only.
MSWM-1000DC	White	Wide-View Sensor. Low voltage. 12V DC. 1600 sq. ft. (148.0 m²) coverage. Requires CM120-277 Control Module 15A
MSWM-1000AC	White	Wide-View Sensor. 24V AC. 1600 sq. ft. (148.0 m²) coverage. Requires CR-20 Control Relay and SDT-24 Transformer.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



MSFL1200 MSWM1000

Specifications are subject to change without notice.

BRYANT

MOTION SWITCH®
Occupancy Sensors Passive Infrared

ALL PRODUCTS NEW

MSCM-700DC

MSCM-1000DC

MSH-75

Features - Specifications

MSCM1000-DC CEILING MOUNT SENSOR

- Low profile design 1.1" (27.9) profile x 3.5" (88.9) diameter
- Input voltage 12V DC (control module)
- Mounting height 8'-10' (2.4-3.0m)
- L.E.D. trip indicator
- Can be surface mounted or mounted to 4" (101.6) octagon box (4.75" dia. (120.7) adapter w/3.5" (88.9) spacing)
- Comes with masking kit/mounting screws
- Field of view covers 360°
- 1250 sq. ft. (115.6 m^2) area of coverage
- U.L. Listed

MSCM1000-AC CEILING MOUNT SENSOR

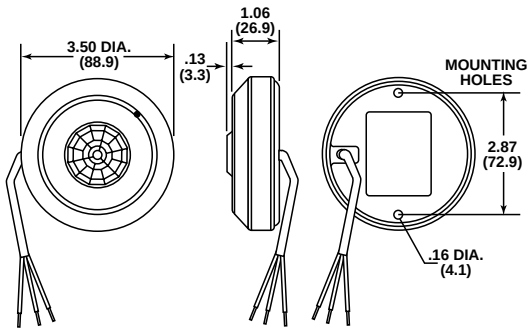
- Low profile design 1.1" (27.9) profile x 3.5" (88.9) diameter
- Input voltage 15-35VAC
- Designed for interface to a DDC control
- Self-contained relay w/form "A" contacts
- Mounting height 8'-10' (2.4-3.0m)
- L.E.D. trip indicator
- Can be surface mounted or mounted to 4" (101.6) octagon box
- Comes with masking kit/ mounting screws
- Field of view covers 360°
- 1250 sq. ft. (115.6 m^2) area of coverage
- U.L. Listed

MSH75 HALLWAY SENSOR

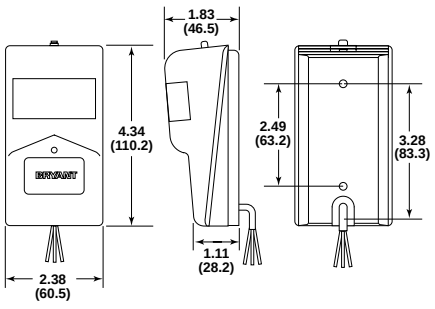
- Low Profile Design 2.38"w (60.4) x 4.34"h (110.2) x 1.11"d (28.2)
- Input voltage 12V dc (control module)
- Mounting height 8'-10' (2.4-3.0m)
- L.E.D. trip indicator
- Can be wall or corner mounted
- 75 linear feet (22.9m) coverage
- 30 sec. to 30 min. adjustable time delay
- White light rejection lens
- 1 foot candle to 1000 foot candles adjustable photocell for daylight control
- Green L.E.D. ambient level indicator

CATALOG NUMBER	COLOR	DESCRIPTION
MSH-75	White	Hallway Sensor. Low voltage. 75 ft. (22.9m) length coverage. Requires CM120-277 Control Module 15A.
MSCM-700DC	White	Ceiling Mount Sensor. 700 sq. ft. (64.7m^2) high-density coverage. Requires CM120-277 Control Module 15A.
MSCM-1000DC	White	Ceiling Mount Sensor. 1000 sq. ft. (92.5m^2) coverage. Requires CM120-277 Control Module 15A.
MSCM-1000AC	White	Ceiling Mount Sensor. Self-contained. Requires 15-24V AC or DC 1000 sq. ft. (92.5m^2) coverage. Interfaces with DDC Control System.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



MSCM-1000-DC



MSH-75

E 3

Specifications are subject to change without notice.

BRYANT

FASHION SERIES 9000™

MOTION SWITCH®①

Occupancy Sensors Passive Infrared

Features - Specifications

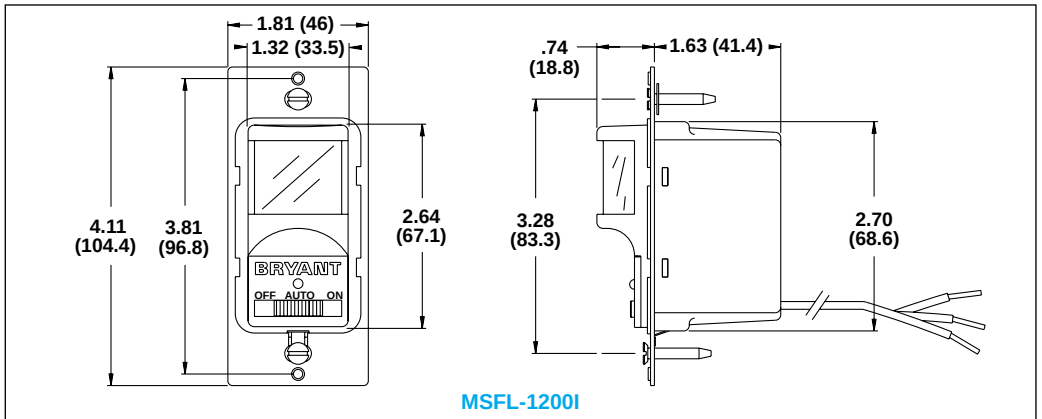
FASHION SERIES WALL SWITCH OCCUPANCY SENSOR

- Dual voltage for either 120/277 incandescent or fluorescent lighting
- Canadian version 347V AC also available
- No minimum load required
- True 180° field of view
- 1200 square ft. (111.0 m²) coverage
- Replaces existing wall switch
- 45 seconds to 20 minutes adjustable time delay
- Switching capability true 1500 watts: incandescent, fluorescent standard or electronic ballast, including compact fluorescent
- Self-grounding yoke
- Daylight control photocell is adjustable from 1 foot candle to 1000 foot candles
- 3-position override switch; OFF-AUTO-ON
- Tamper-proof cover
- Lock-out feature for "ON" position
- Can be gangable
- Heavy-duty relay design used for switching
- Can be used in three-way switching
- 3-wire connection line, load, ground for safety
- Matching wall plate included

MSFL-1200I

CATALOG NUMBER	COLOR	DESCRIPTION
MSFL-1200I	Ivory	Fashion Series Wall Switch Sensor. Dual voltage. 120/277V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. UL Listed and CSA Certified.
MSFL-1200W	White	Fashion Series Wall Switch Sensor. Dual voltage. 120/277V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage. 180° field of view. 1500 watt max., 0 watt min. UL Listed and CSA Certified.
MSFL-1200IC	Ivory	Fashion Series Wall Switch Sensor. 347V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage.180° field of view. 1500 watt max., 0 watt min. CSA Certified only.
MSFL-1200WC	White	Fashion Series Wall Switch Sensor. 347V AC 50/60 Hz. 1200 sq. ft. (111.0 m²) coverage.180° field of view. 1500 watt max., 0 watt min. CSA Certified only.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



MSFL-1200I

E 4

①To be announced. Consult factory.

Specifications are subject to change without notice.

CM120-277

PCCM

CR-20

RM-15

SDT-24

MSCMAP

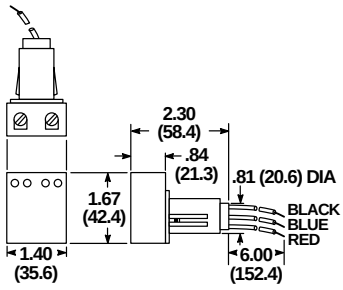
CATALOG NUMBER	DESCRIPTION
CM120-277	Control Module Input: 120 or 277V AC Control Module Output: 12V DC to sensor Control Module Relay: 15 amp, dry contacts Control Module Size: Circuitry is mounted to a standard 4 11/16" (119.1) cover plate. A standard 2 1/4" (57.2) deep, 4 11/16" (119.1) electrical box, 1/2" (12.7) threaded chase nipple, and 2 lock nuts are required for mounting Control Module Capacity: 1 additional 15 amp relay (RM15) Time Delay: 30 seconds – 30 minutes Override "on" switch UL Listed/CSA

CATALOG NUMBER	DESCRIPTION
CM-347	Control Module and Relay. 347V AC 8.6 amp CSA Certified only. Can drive one additional relay.
PCCM	Photo Cell Sensor Ceiling Mount, 15V DC Provides daylight control w/occupancy sensors Works with Control Module
CR-20	Control Relay (GE-RR-7) 20 amp, UL Listed Requires SDT-24 Transformer
RM-15	Aux. relay, 12V DC 15 amp, UL Listed For use with CM120/277 Control Module

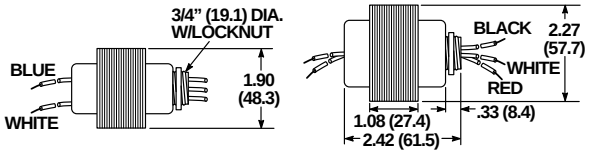
CATALOG NUMBER	DESCRIPTION
SDT-24	Dual Tap Transformer 120/277 to 24V AC, UL Listed For use with CR-20 Control Relay

CATALOG NUMBER	DESCRIPTION
MSCMAP	Ceiling Mount Adapter Plate For mounting MSCM-1000 ceiling mount sensor to 4" (101.6) octagon box

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



CR-20



SDT-24

Specifications are subject to change without notice.

Specific Motion Switch Recommendations

With the understanding that no two buildings are alike, following are some recommendations for Motion Switch products in their most appropriate applications.

Wall Switch Sensor

PRIVATE OFFICES

Most private offices have an existing toggle switch. The Wall Switch Sensor was specifically designed to replace the toggle switch. Installation is fast and simple, typically completed in less than 10 minutes.

BATHROOMS

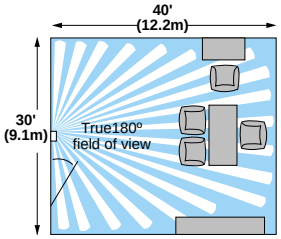
Always an excellent application because the lights in a public bathroom are usually left on 18 to 24 hours per day. Motion Switch Wall Switches feature an adjustable time delay of up to 20 minutes for bathroom applications.

CONFERENCE ROOMS

Another excellent opportunity because meeting rooms are usually vacated with no thought being given to turning out the lights.

The Wall Switch Sensor is the easiest and fastest sensor to install in these applications. However, please make sure you do not use in areas where lighting conditions exceed 1500 watts or room size is larger than 1200 square feet (111.0 m²).

WALL SWITCH

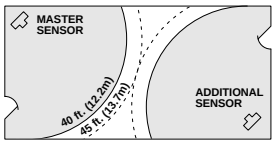


Wide-View Sensor

CLASSROOMS

The Wide-View Sensor was designed specifically for this application. Mounting the sensor near the ceiling, in the corner of the room, provides an effective coverage of 40' (12.192m²) by 40' (12.192m²). Most classrooms are less than this size. Typically, each classroom has one circuit, therefore, only one control module is required. If there are multiple circuits, auxiliary relays can be added. Other rooms in which Wide-View Sensors work well are: storerooms, large conference rooms, stairwells and rooms over 1200 square feet (111.0 m²).

WIDE VIEW



Ceiling Mount Sensors

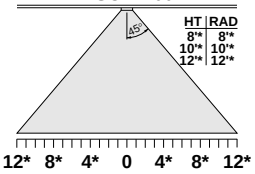
OPEN OFFICE AREAS

Most office buildings today have gone to workspace partitioned cubicles for greater space utilization. Open office areas have traditionally been overlooked, but are becoming very popular applications. Ceiling Mount Sensors are designed primarily for such large, open areas. They are available with coverages of 200 sq. ft. (18.50 m²), 1000 sq. ft. (92.5 m²), and High Density 700 sq. ft. (64.7 m²) for maximum coverage with minimal cost. The 200 square foot (18.50 m²) sensors are used in smaller areas such as private offices, while the high density sensors are used in large private offices where a higher degree of sensitivity is needed. A control module is required with Ceiling Mount Sensors. Other areas where Ceiling Mount Sensors are effective include classrooms, bathrooms large conference rooms and for zoning.

Notes: For additional information on Motion Switch products, request BPM-8102 brochure. See the technical section of this catalog for typical wiring diagrams. For complete engineering and layout assistance, or a payback analysis report, contact your local Bryant Sales Representative or the Bryant factory.

CEILING MOUNT

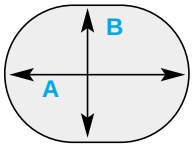
MSCM-200



*8'=2.4m, 10'=3.0m, 12'=3.7m

MSCM-1000 COVERAGE CHART

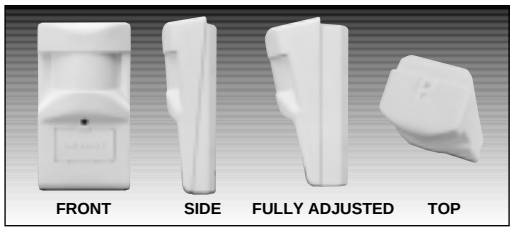
HT	8' (2.4m²)	10' (3.0m²)	12' (3.7m²)
A	28' (8.5m²)	36' (11m²)	38' (11.6m²)
B	24' (7.3m²)	28' (8.5m²)	33' (10m²)
AREA	650sq. ft. (60.1 m²)	1000sq. ft. (92.5 m²)	1250sq. ft. (115.6 m²)

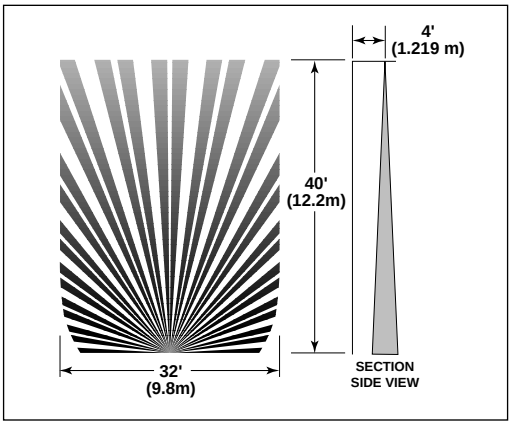


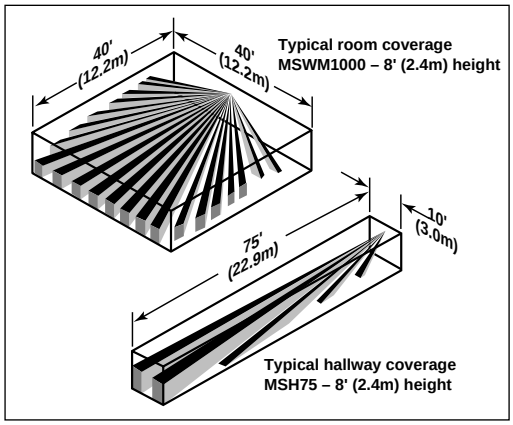
"A" axis correspond with arrows inside housing base.

MSFL-1200 WALL SWITCH SENSOR

MSWM1000-DC WIDE-VIEW SENSOR







Specifications are subject to change without notice.

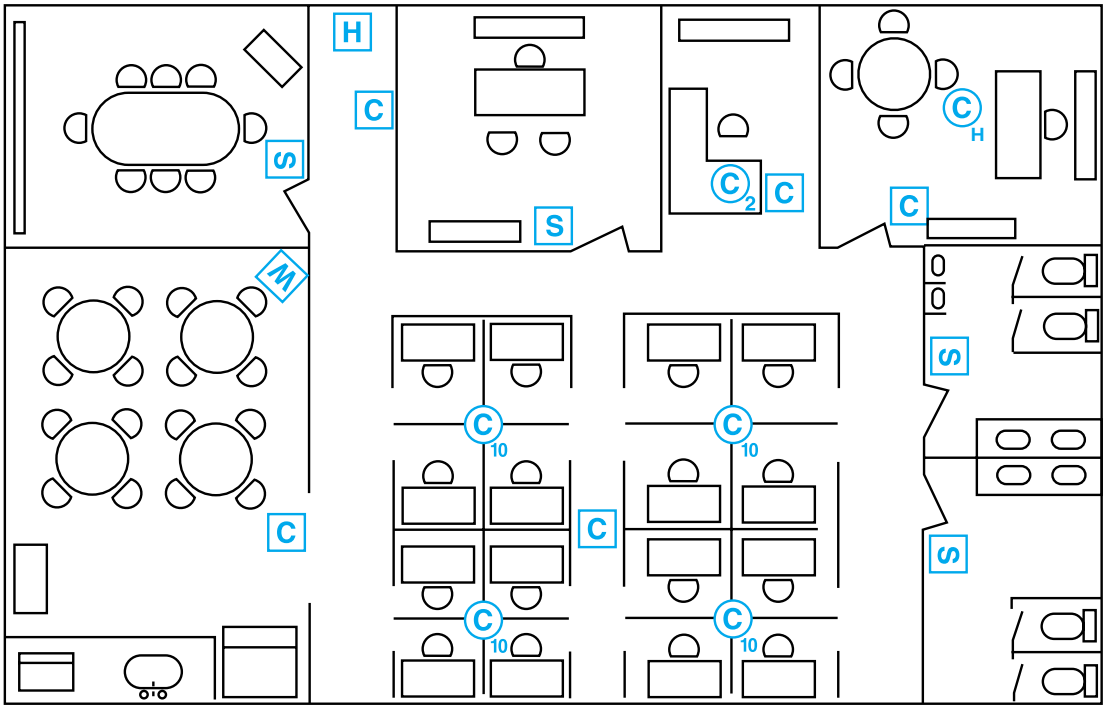
BRYANT

Sensor Layout For Various Applications

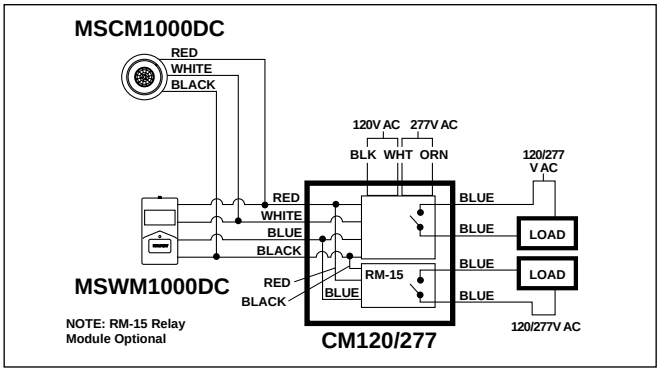
The drawing below shows sensor placement for typical applications in a commercial office building. Each installation will require its own unique layout, but in general these are the products most often used.

The Conference Room, one Private Office, and the Bathrooms show Wall Switch Sensors. The Secretary Station shows a 200 square foot (18.5 m^2) Ceiling Sensor. The Large Private Office shows a 700 square foot (64.7 m^2) High Density Ceiling Sensor. The Lunch Room shows a Wide-View Sensor. The Open Office with partitioned walls shows four 1000 square foot (92.5 m^2) Ceiling Sensors. And, the Corridor shows one Hallway Sensor. The following symbols are typically shown on sensor layouts.

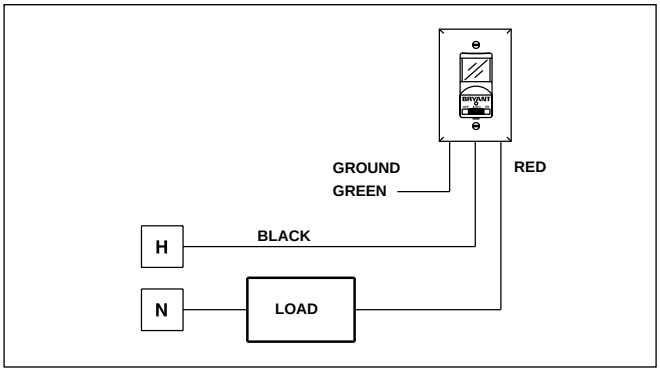
- **S Wall Switch Sensor**
- **C_2 Ceiling Mount Sensor [200 Sq. Ft. (18.5 m^2)]**
- **C_{10} Ceiling Mount Sensor [1000 Sq. Ft. (92.5 m^2)]**
- **C_H Ceiling Mount Sensor [700 Sq. Ft. (64.7 m^2) - High Density]**
- **W Wide-View Sensor (corner mounted near ceiling)**
- **H Hallway Sensor**
- **C Control Module**



CONTROL MODULE SYSTEM WIRING DIAGRAM



WALL SWITCH SENSOR MSFL-1200 WIRING DIAGRAM

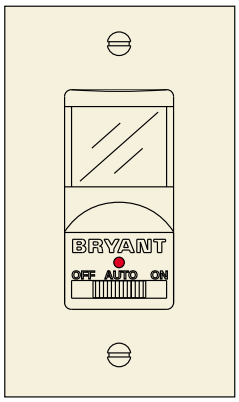


Specifications are subject to change without notice.

BRYANT

FASHION SERIES™ 9000 MOTION SWITCH®

Passive Infrared Wall Switch Occupancy Sensor Technical Specifications



DESCRIPTION

Manufacturer's Identification — Bryant MSFL1200I/W

Description — Passive Infrared wall switch occupancy sensor comprised of a pyroelectric detector and fresnel lens to sense the heat emitted by the human body within its field of view.

Type — 1 pole, 3 wire, grounding

Rating — 1500W, 120/277V AC

LISTINGS

- UL Listed
- CSA Certified
- Calif. Title 24

FEATURES

- Dual voltage for either 120/277 incandescent or fluorescent lighting
- Canadian version 347V AC also available
- No minimum load required
- True 180° field of view
- High-density lens
- 1200 sq. ft. coverage
- Replaces existing wall switch
- 1 minute to 20 minutes adjustable time delay
- Switching capability true 1500 watts: incandescent, fluorescent standard or electronic ballast, including compact fluorescent
- Self-grounding yoke
- Daylight control photocell is adjustable from 1 foot candle to 1000 foot candles
- 3-position override switch OFF-AUTO-ON
- L.E.D. system test (flash w/trip)
- Tamper-proof cover
- Lock-out feature for "ON" position
- Gangable
- Heavy-duty relay design used for switching
- Can be used in three-way switching
- 3-wire connection line, load, ground for safety
- Matching wall plate included

PERFORMANCE

Electrical

Voltage	120-277V AC 50-60 Hz
Max. Load Rating	1500 watts incandescent/fluorescent
Working Voltage	90V AC – 300V AC

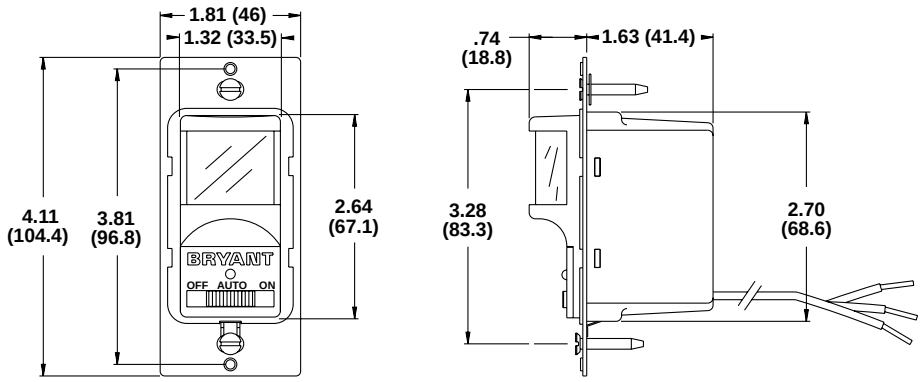
Mechanical

Housing	Flame retardant UL94 V-O ABS
Lens	Multi Element Polyethylene
Wire Identification	Black-Line, Red-Load, Green-ground

Environmental

Operating Temperatures	32°F to 120°F (0°C to 49°C).
Relative Humidity	20% – 90% non-condensing

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



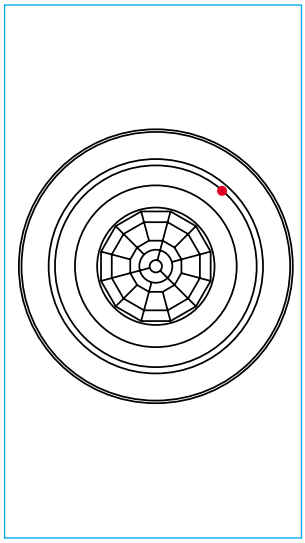
Additional

MSFL-1200IC/WC
347V AC Canadian Version
(see catalog page E-4).

BRYANT

MOTION SWITCH®

Passive Infrared Ceiling Occupancy Sensor Technical Specifications



DESCRIPTION

Manufacturer's Identification — Bryant MSCM1000DC

Description — Passive Infrared ceiling mount sensor comprised of a pyroelectric detector and fresnel lens to sense the heat emitted by the human body within its field of view.

Type — Low voltage (12V DC) 3 wire

Rating — 15 amp through its connected control module

LISTINGS

- UL Listed
- Calif. Title 24

FEATURES

- Low profile design 1.1" (27.9) profile x 3.5" (88.9) diameter
- Input voltage 10-25V DC
- Mounting height 8'-10' (2.4-3.0m)
- L.E.D. trip indicator
- Can be surface mounted or mounted to 4" (101.6) octagon box [4.75" dia. (120.7) adapter w/3.5" (88.9) spacing]
- Comes with masking kit/mounting screws
- Field of view covers 360°
- 1250 sq. ft. (115.6 m²) area of coverage
- U.L. Listed

PERFORMANCE

Electrical

Supply Voltage . . . . . 12V DC from control module CM120-277
Max. Load Rating . . . . . 15 amp rated control module incandescent/fluorescent
Working Voltage . . . . . 10V DC min. to 25V DC max.

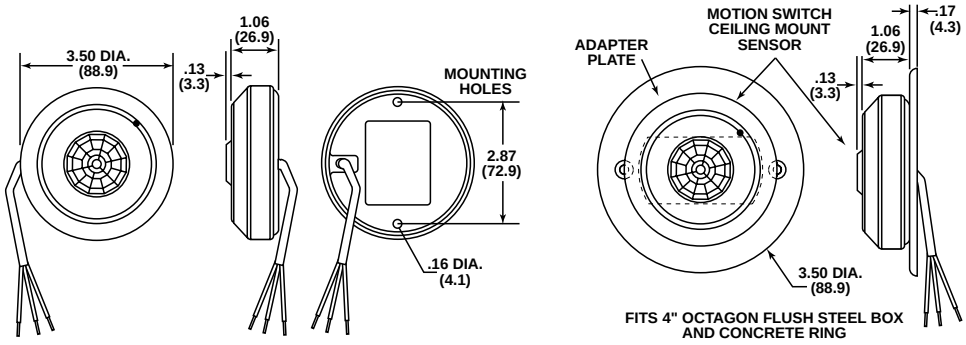
Mechanical

Housing . . . . . UL94 V-O ABS
Lens . . . . . Multi Element Polyethylene
Wire Identification . . . . . Red+, Black–, White signal

Environmental

Operating Temperatures . . . . . 32°F to 120°F (0°C to 49°C).
Relative Humidity . . . . . 20% – 90% non-condensing

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



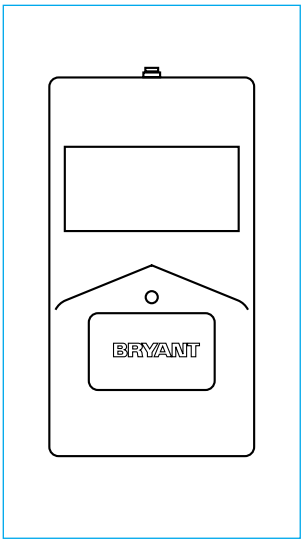
Additional

MSCM700DC
High Density
700 sq. ft. (64.7 m²) coverage
(see catalog page E-3).

MSCM1000AC
Self-contained for interface to DDC control (24V AC)
(see catalog page E-5).

BRYANT

MOTION SWITCH® Passive Infrared Wide-View/Hallway Occupancy Sensor Technical Specifications



DESCRIPTION

Manufacturer's Identification — Bryant MSWM1000DC, MSH75

Description — Passive Infrared wide-view/hallway wall mount sensor comprised of a pyroelectric detector and fresnel lens to sense the heat emitted by the human body within its field of view.

Type — Low voltage (12V DC) 4 wire

Rating — 15 amp through its connected control module

LISTINGS

- Calif. Title 24

FEATURES

- Low Profile Design 2.38"w (60.4) x 4.34"h (110.2) x 1.11"d (28.2)
- Input voltage 12V DC (control module)
- Mounting height 8'-10' (2.4-3.0m)
- Red L.E.D. trip indicator
- Can be wall or corner mounted
- 1600 sq. ft (148.0m²) coverage (wide-view)
- 75 linear feet coverage (hallway)
- 30 sec. to 30 min. adjustable time delay
- White light rejection lens
- 1 fc to 1000 fc adjustable photocell for daylight control
- Green L.E.D. ambient level indicator

PERFORMANCE

Electrical

Supply Voltage	12V DC from control module CM120-277
Max. Load Rating	15 amp rated control module incandescent/fluorescent
Working Voltage	10V DC min. to 25V DC max.

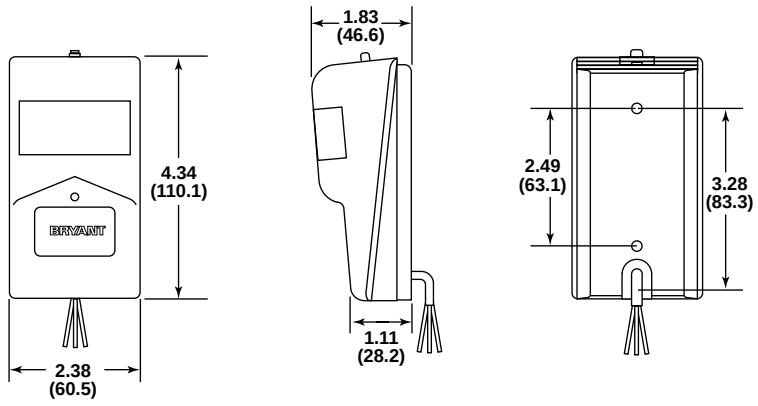
Mechanical

Housing	Thermoplastic
Lens	Multi Element Polyethylene
Wire Identification	Red+, Black–, White signal

Environmental

Operating Temperatures	32°F to 120°F (0°C to 49°C).
Relative Humidity	20% – 90% non condensing

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



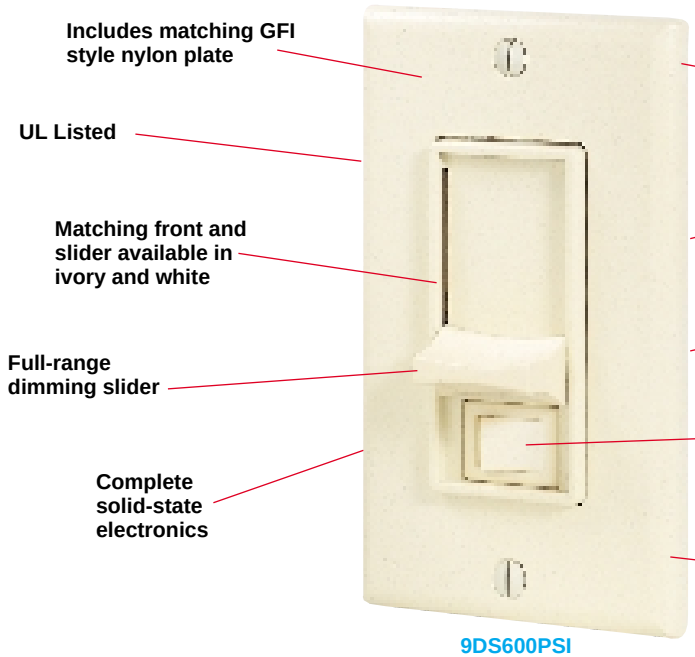
Additional

MSWM1000AC
Wide-view sensor 24V AC interfaces with low voltage switching system.
(see catalog page E-2).

Specifications are subject to change without notice.

BRYANT

Product Features Lighting Controls, Dimmers, and Fan Speed Control



9DS600PSI

Bryant Lighting Controls are available for commercial, industrial and institutional installations where lighting levels require a continuously variable range of control, extended lamp life, and energy efficiency. Dimmers are available in ivory and white and in rotary, touch, toggle, slide and preset slide styles. Bryant dimmers can control up to 2000 watts incandescent and 1200 watts fluorescent.

Fan Speed Controls are available in the rotary style and are rated for permanent split capacitor and/or shaded pole motors only. This type of motor is most commonly used in ceiling fans. Bryant fan speed controls are available from 1.5 amp, 4-speed up to 8 amp rated control with a combination fan and light control rated at 300 watts incandescent and 3 amp fan speed control. All Bryant fan speed controls have standard special motor hum eliminating circuitry.

Bryant dimmers and fan speed controls have a smooth, even, positive ON/OFF position for ease of operation. Bryant dimmers offer a smooth, even dimming range from barely “on” to full brightness. You will appreciate the quality features of true full-range dimming, quiet fan control and a selection of switch styles to meet the majority of specifications.

AVAILABLE TYPES

Rotary Slide Toggle Touch Fan/Light Control

DIMMERS

- Rotary, Fashion Series™ 9000 Touch, Fashion Series Preset Slide, Slide and Toggle, Lighted Switch, Lighted Toggle
- Incandescent, fluorescent, single-pole, 3-way
- 480, 600, 800, 1000, 1200, 1500 and 2000 watts
- Ivory or white

SPECIFICATIONS - ALL DIMMERS

- Advanced R.F.I. protection circuitry
- Reliable, low-intensity operation
- Full-range dimming control
- Fits all standard wall boxes
- UL Listed
- Individually tested for full operation
- Made in U.S.A.

TOUCH DIMMER

- Tap ON/OFF, touch and hold for desired light level
- Includes GFI style decorator nylon plate
- CSA Certified

PRESET SLIDE DIMMER

- ON/OFF rocker switch
- Slider dimming control
- Includes GFI style decorator nylon plate
- CSA Certified

TOGGLE DIMMER

- Standard toggle for dimming control
- CSA Certified

FLUORESCENT ROTARY DIMMERS

- Low-voltage stabilization, solid-state circuitry to ensure reliable, low-end operation
- Silver-alloy switch contacts
- Adjustable trim - potentiometer for fine tuning the low end of the dimming range
- Includes control knob

ROTARY DIMMERS

- Push ON/OFF (except 9DR600ECY)
- Includes control knob
- CSA Certified (except 9DR600ECY)

ROTARY FAN SPEED CONTROLS

- For split capacitor/shaded pole motors only
- 1.5 amp 4-speed, 5 amp, 8 amp and combo unit with 3 amp fan speed and light control, 300 watts
- CSA Certified

SPECIFICATIONS - ROTARY FAN CONTROLS

- Advanced R.F.I. protection
- Full-range speed control
- Advanced circuitry eliminates motor hum
- Fits all standard boxes
- Individually tested for full operation
- UL Listed, CSA Certified
- Made in U.S.A.

BRYANT

Incandescent Slide and Preset Slide Dimmer Controls

9DS600-PSI

9DS100-PSI

9DS1500-I

Features - Specifications

TYPE – 600W DIMMERS

- Advanced radio frequency interference protection circuitry
- Reliable low-intensity operation
- Full range dimming control
- On/off rocker switch
- Silver-alloy switch contacts
- Fits all standard wall boxes
- Individually tested for full operation at factory
- Includes ground fault interrupter (GFI) style decorator wall plate
- UL Listed, CSA Certified
- Made in USA

TYPE – 1000W, 1500W DIMMERS

- Heavy-duty toroid for maximum radio frequency interference protection
- Silver-alloy switch contacts
- Large heatsink for cooler operation
- Complete with cover plate
- Break-away fins for multiple ganging and spacing accommodations
- Fits single wall box
- Individually tested for full operation at factory
- On/off rocker switch (1000W dimmers)
- UL Listed, CSA Certified
- Made in USA

GANGING

The 1000W and 1500W dimmers are designed with a special aluminum heatsink having breakoff points to accommodate multiple ganging in any combination. The location of these breakoff points is located in the dimensional diagram, and by snapping off left, right or both fins, it is possible to gang mount Bryant Dimmers in various combinations while using minimum wall space. Any number of dimmers may be ganged following this procedure.

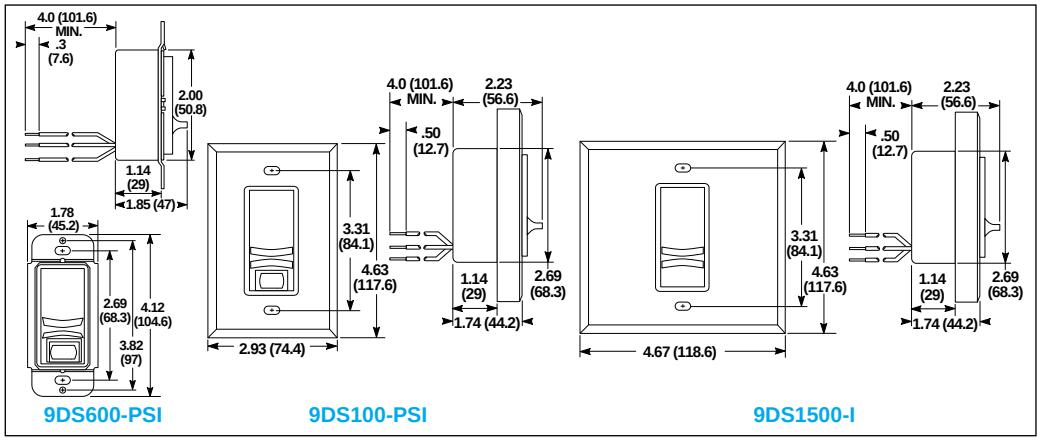
PRESET SLIDE DIMMER CONTROL 120V AC 60 Hz (INCANDESCENT LOADS ONLY)

CATALOG NUMBER	RATING	DESCRIPTION
9DS600-PSI	600W	Single-pole, ivory
9DS600-PSW	600W	Single-pole, white
9DSL600-PSI	600W	Single-pole lighted, ivory
9DSL600-PSW	600W	Single-pole lighted, white
9DS3600-PSI	600W	3-way, ivory
9DS3600-PSW	600W	3-way, white
9DS100-PSI	1000W	Single-pole, ivory
9DS100-PSW	1000W	Single-pole, white
9DS3100-PSI	1000W	3-way, ivory
9DS3100-PSW	1000W	3-way, white

SLIDE DIMMER CONTROL 60 Hz (INCANDESCENT LOADS ONLY)

CATALOG NUMBER	RATING	DESCRIPTION
9DS1500-I	1500W	Single-pole, ivory
9DS1500-W	1500W	Single-pole, white
9DS31500-I	1500W	3-way, ivory
9DS31500-W	1500W	3-way, white

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9DS600-PSI 9DS100-PSI 9DS1500-I

Specifications are subject to change without notice.

BRYANT

Incandescent Rotary Dimmers

9DR600-ECY

9DR100-IDP

9DR1500-WDP

9DR2000

Features - Specifications

COMMERCIAL DIMMER

- Advanced radio frequency interference protection circuitry
- Reliable low-intensity operation
- Silver-alloy switch contacts
- Fits all standard wall boxes and wall plates
- Individually tested for full operation at factory
- UL Listed, CSA Certified
- Made in USA

HEAVY-DUTY DIMMER

- Heavy-duty toroid for maximum radio frequency interference protection
- Low voltage start-up solid state circuitry
- Silver-alloy switch contacts for long-life, on-off cycling
- Large heatsink for cooler operation
- Breakaway fins for multiple ganging and spacing accommodations
- Fits single wall box
- Reliable, low-intensity operation
- Individually tested for full operation at factory
- UL Listed, CSA Certified
- Made in USA

GANGING

Bryant heavy-duty dimmers are designed with a special aluminum heatsink having breakoff points to accommodate multiple ganging in any combination. These breakoff points are shown in the dimensional diagram, and by snapping off left, right or both fins, it is possible to gang mount Bryant dimmers in various combinations while using minimum wall space. Any number of dimmers may be ganged following this procedure.

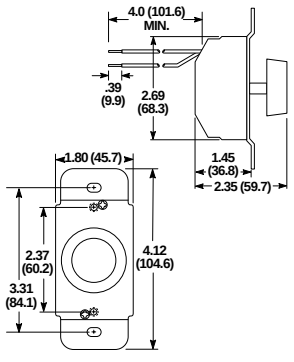
COMMERCIAL GRADE ROTARY DIMMERS 120V AC 60 Hz (INCANDESCENT LOADS ONLY)

CATALOG NUMBER	RATING	DESCRIPTION
9DR600-ECY①	600W	Single-pole, ivory knob, (non RFI)
9DR600-PSH	600W	Single-pole, push on/off, ivory knob
9DR3600	600W	3-way, push on/off, ivory knob

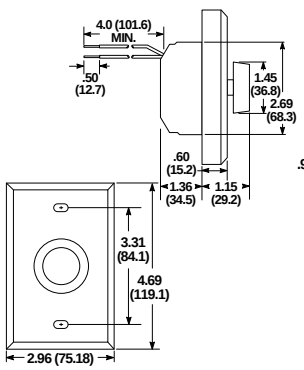
HEAVY-DUTY ROTARY DIMMERS 120V AC 60 Hz (INCANDESCENT LOADS ONLY)

CATALOG NUMBER	RATING	DESCRIPTION
9DR100-IDP	1000W	Single-pole, ivory knob and decorator plate
9DR100-WDP	1000W	Single-pole, white knob and decorator plate
9DR1500-IDP	1500W	Single-pole, ivory knob and decorator plate
9DR1500-WDP	1500W	Single-pole, white knob and decorator plate
9DR2000	2000W	Single-pole, black knob, with silver insert, black cover plate

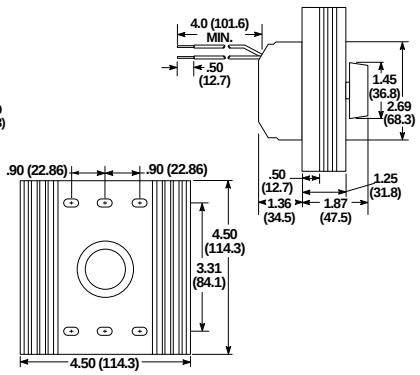
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9DR600-ECY



9DR100-IDP



9DR2000

① Not CSA Certified.

Specifications are subject to change without notice.

BRYANT

Incandescent Touch and Toggle Dimmer Controls

9DTL600-I

9DTG600-I

Features - Specifications

- Advanced radio frequency interference protection circuitry
- Reliable low-intensity operation
- Full range dimming control
- Fits all standard wall boxes
- Includes ground fault interrupter (GFI) style decorator wall plate (touch dimmers only)
- Individually tested for full operation at factory
- UL Listed, CSA Certified
- Made in USA

Touch Dimmer Operation

- Tap plate on/off
- Touch plate and hold for desired level
- Manual on/off slide switch

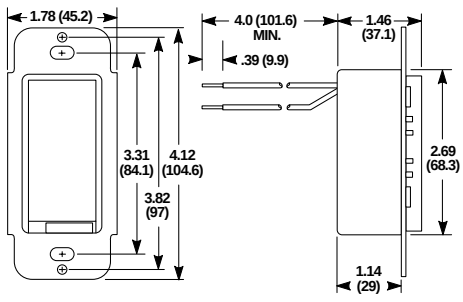
TOUCH DIMMER CONTROLS 120V AC 60 Hz (INCANDESCENT LOAD ONLY)

CATALOG NUMBER	RATING	DESCRIPTION
9DT600-I	600W	Single-pole, ivory frame and wall plate w/brushed gold touch plate
9DT600-W	600W	Single-pole, white frame and wall plate w/brushed silver touch plate
9DTL600-I	600W	Single-pole, lighted, ivory frame and wall plate w/brushed gold touch plate

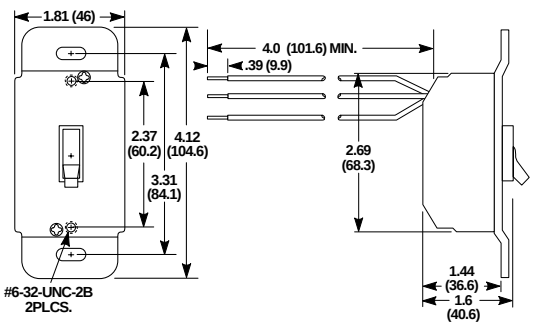
TOGGLE DIMMER CONTROLS 120V AC 60 Hz (INCANDESCENT LOAD ONLY)

CATALOG NUMBER	RATING	DESCRIPTION
9DTG600-I	600W	Single-pole, ivory toggle
9DTGL600	600W	Single-pole, clear lighted toggle
9DTG3600-I	600W	3-way, ivory toggle
9DTGL3600	600W	3-way, clear lighted toggle

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9DT600-I



9DTG600-I

Specifications are subject to change without notice.

BRYANT

Fluorescent Rotary Dimmers

9DR480-FL

9DR800-FL

9DR1200-FL

Features - Specifications

- Advanced radio frequency interference protection circuitry
- Low Voltage Stabilization – solid state voltage compensated circuitry to ensure reliable low-end operation
- Silver-alloy switch contacts
- Adjustable trim-potentiometer for fine tuning adjustment of the low-end of the dimming range
- Individually tested for full operation at factory
- Breakaway fins for multiple ganging and spacing accommodations
- UL Listed (use only with approved ballasts)
- Made in USA

GANGING

Dimmer controls 9DR800-FL and 9DR1200-FL are designed with a special aluminum heatsink having breakoff points to accommodate multiple ganging in any combination. The location of these breakoff points is located in the dimensional diagram, and by snapping off left, right or both fins, it is possible to gang mount Bryant Dimmers in various combinations while using minimum wall space. Any number of dimmers may be ganged following this procedure.

TYPE OF LAMPS AND BALLASTS

Bryant fluorescent dimmers and the approved ballasts specified are designed exclusively for use with rapid-start 40 watt fluorescent lamps. Only approved ballasts should be installed with these dimmers. Since each manufacturer's ballast has slightly different operating characteristics, only one brand and type of ballast should be used in a given lighting system. It is also recommended that only one color of lamp be utilized throughout each system since lamps of different colors may also have slightly varying dimming characteristics. Using the same color lamp throughout a given installation also assures equal light distribution and smooth dimming performance.

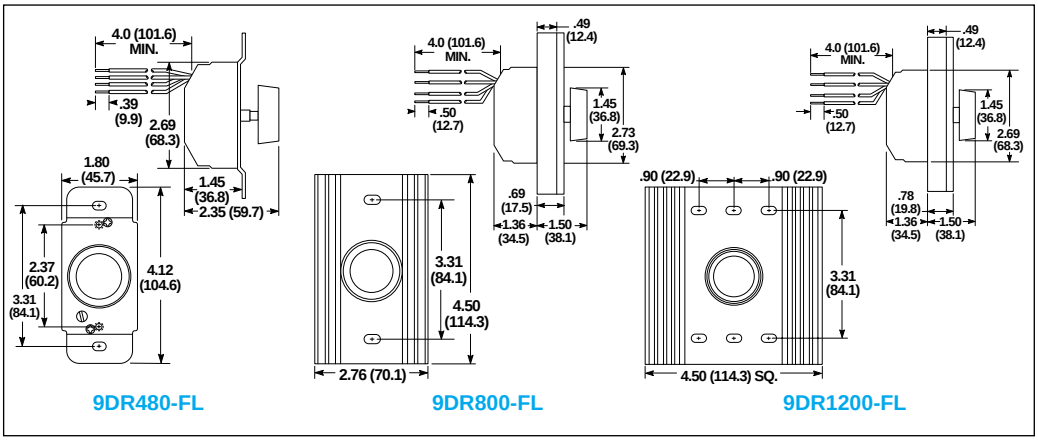
FLUORESCENT ROTARY DIMMERS 120V AC 60 Hz ONLY

CATALOG NUMBER	RATING	40W RAPID-START LAMPS CONTROLLED	DESCRIPTION
9DR480-FL	480W	2-12	Single-pole, ivory knob
9DR800-FL	800W	4-20	Single-pole, black knob, silver insert, black cover plate
9DR1200-FL	1200W	6-30	Single-pole, black knob, silver insert, black cover plate

APPROVED DIMMING BALLASTS

MANUFACTURER	MODEL	LIGHT FIXTURE
Advance	DIM 140H	Single lamp
Advance	DIM 240H	Double lamp
General Electric	6 G 5001	Single lamp
General Electric	6 G 5007	Double lamp
General Electric	8 G 5001	Single lamp
General Electric	8 G 5007	Double lamp
Universal	502A-TC-P	Double lamp
Universal	550L-TC-P	Single lamp

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9DR480-FL 9DR800-FL 9DR1200-FL

Specifications are subject to change without notice.

BRYANT

Fan Speed Controls①

9FCR5A

9FCR8A

9FCR4S

9DFC3003A

Features - Specifications

- Advanced circuitry eliminates motor hum and radio interference
- Infinitely variable control
- All solid state circuitry
- Low voltage protection
- Fits all standard wall boxes
- Individually tested for full operation at factory
- UL Listed, CSA Certified
- Made in USA

TYPE-FAN/LIGHT CONTROL

- Dual control allows for independent control of ceiling fan and light kit
- Advanced radio frequency interference protection circuitry
- Reduces energy costs
- All solid state circuitry
- Individually tested for full operation at factory
- Infinitely variable control
- Fits all standard wall boxes

- 3 wires required for installation
- Complete with knobs and wall plate
- Maximum load fan – 3 amps
- Maximum load incandescent – 300 watts
- Switches – rotary ON/OFF
- Silver-alloy contacts
- Operates on 120V AC 60 Hz
- UL Listed, CSA Certified
- Made in USA

ROTARY ON/OFF FAN SPEED CONTROLS 120V AC 60 Hz

CATALOG NUMBER	RATING	DESCRIPTION
9FCR5A	5 amp	Rotary, adjustable trim, ivory knob
9FCR8A	8 amp	Rotary, black knob, silver insert, black cover plate

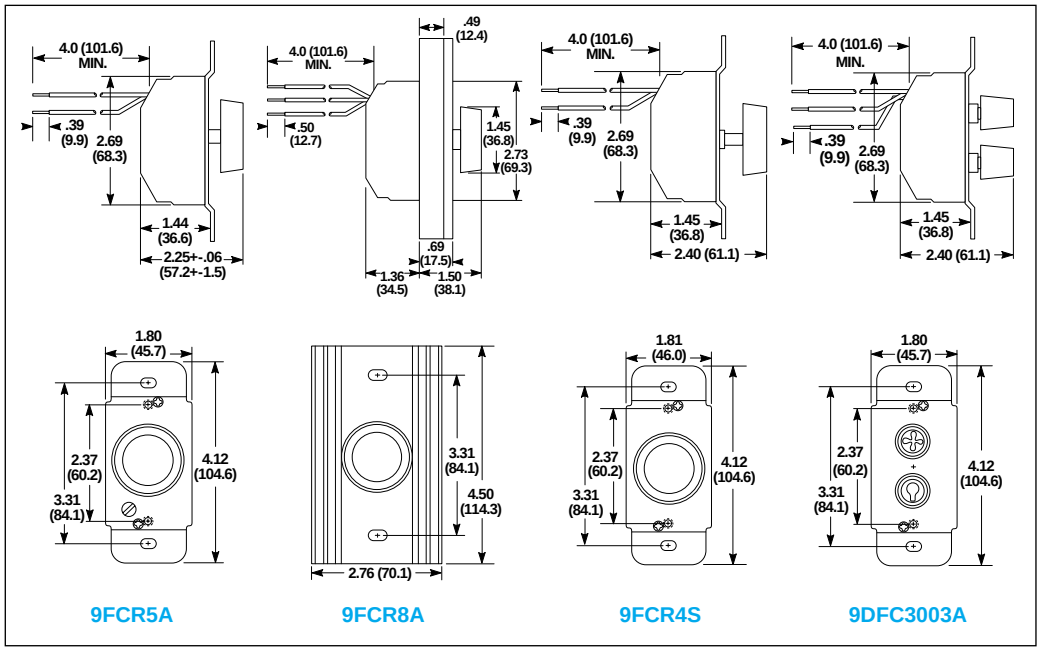
QUIET FOUR-SPEED FAN CONTROL 120V AC 60 Hz

CATALOG NUMBER	RATING	DESCRIPTION
9FCR4S	1.5 amp	Rotary, off, hi, med-hi, med, low, ivory knob

FAN/LIGHT CONTROL, 3 AMP FAN, 300 WATT LIGHT 120V AC 60 Hz

CATALOG NUMBER	RATING	DESCRIPTION
9DFC3003A	3 amp/300 watt	Rotary combination fan/light control, ivory

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9FCR5A 9FCR8A 9FCR4S 9DFC3003A

① For use only with permanent split capacitor or shaded pole motors.

Specifications are subject to change without notice.

BRYANT

FASHION SERIES 9000™

Spring Wound Mechanical Timers

ALL PRODUCTS NEW

Features - Specifications

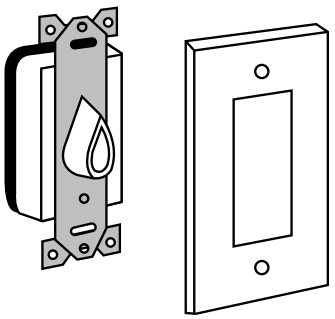
- Ideal for control of ventilating fans, heat lamps, lighting, appliances and thermostats
- 6 selections for “ON” time 15 minutes to 12 hours
- 12 hour timer available with “HOLD” feature for constant on
- Mechanically spring wound requires no electricity to operate
- Ideal for replacement of existing light switch
- Installs as easily as a common light switch
- Unique design is capable to mount with Fashion Series™ 9000 wall plate or standard switch plate
- Timing accuracy ±5% of full scale
- UL Listed, CSA Certified

SWT15MI

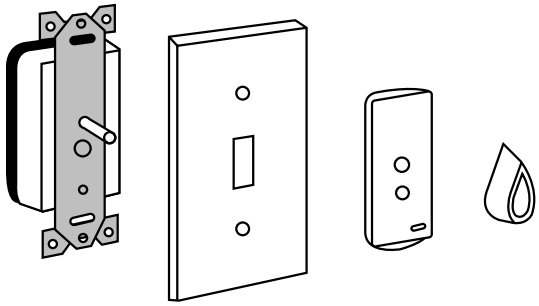
SWT12HHI

SPRING WOUND MECHANICAL TIMERS

CATALOG NUMBER	TIMING RANGE	HOLD FEATURE	COLOR	CONTACT LOAD RATINGS @50/60 Hz					
				TYPE	125V	250V	277V	125V	250V
SWT15MI	15 minutes	No	Ivory	SPST	20A/7A①	10A	10A	1HP	1HP
SWT30MI	30 minutes	No	Ivory	SPST	20A/7A①	10A	10A	1HP	1HP
SWT60MI	60 minutes	No	Ivory	SPST	20A/7A①	10A	10A	1HP	1HP
SWT2HI	2 hours	No	Ivory	SPST	20A/7A①	10A	10A	1HP	1HP
SWT6HI	6 hours	No	Ivory	SPST	20A/7A①	10A	10A	1HP	1HP
SWT12HI	12 hours	No	Ivory	SPST	20A/7A①	10A	10A	1HP	1HP
SWT12HHI	12 hours	Yes	Ivory	SPST	20A/7A①	10A	10A	1HP	1HP

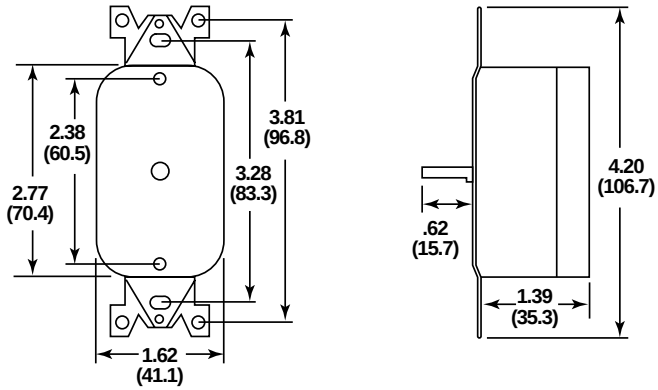


Using Fashion Series™ 9000 wall plate



Using standard switch plate

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



SWT15MI

① Resistive Tungsten

BRYANT

Electronic/Electro-Mechanical Programmable Timers 125V AC 60Hz

ALL PRODUCTS NEW

IWT24H

PIT24H

PIT24HE

Features - Specifications

WALL SWITCH TIMER - IWT24H

- 24 hour time-switch program
- Easy set captive trippers with 20 minute intervals
- 36 ON/OFF events for 24 hour period
- Reliable synchronous timer motor
- 3 position OFF/ON/AUTO manual override switch
- Mounts to standard single gang box
- Replaces existing light switch
- Provides automatic control of outdoor or indoor lighting, fans, office machines etc.
- UL Listed
- cUL Listed

24 HOUR SECURITY PLUG-IN TIMER - PIT24H

- 24 hour Electro/Mechanical plug-in timer
- Settings per day: Up to 4 ON/OFF
- Manual ON/OFF override
- Compact design
- Designed for use with lighting and small appliances
- Reliable synchronous timer motor
- Plugs into a standard 15 amp outlet
- 2 prong polarized plug required
- UL Listed
- CSA Certified

24 HOUR 7 DAY PROGRAM-MABLE PLUG-IN TIMER - PIT24HE

- Weekly timer: 24 hours x 7 days electronic digital timer
- Built in battery allows for: (a) Hand held programming (b) Memory retention
- Manual ON/OFF override
- One minute interval timing
- Settings per day 12 ON/OFF programs
- Time base quartz stabilized movement
- Plugs into a standard 15 amp outlet
- Designed for use with lighting and small appliances with 2 or 3 prong, polarized plug
- UL Listed

WALL SWITCH TIMER

CATALOG NUMBER	TIMING RANGE	CONTACT LOAD RATINGS @120V AC 60 Hz				
		TYPE	RESISTIVE	TUNGSTEN	INDUCTIVE	HP
IWT24H	20 min to 24 hrs	SPST	20A (2500W)	1360W	8A	1

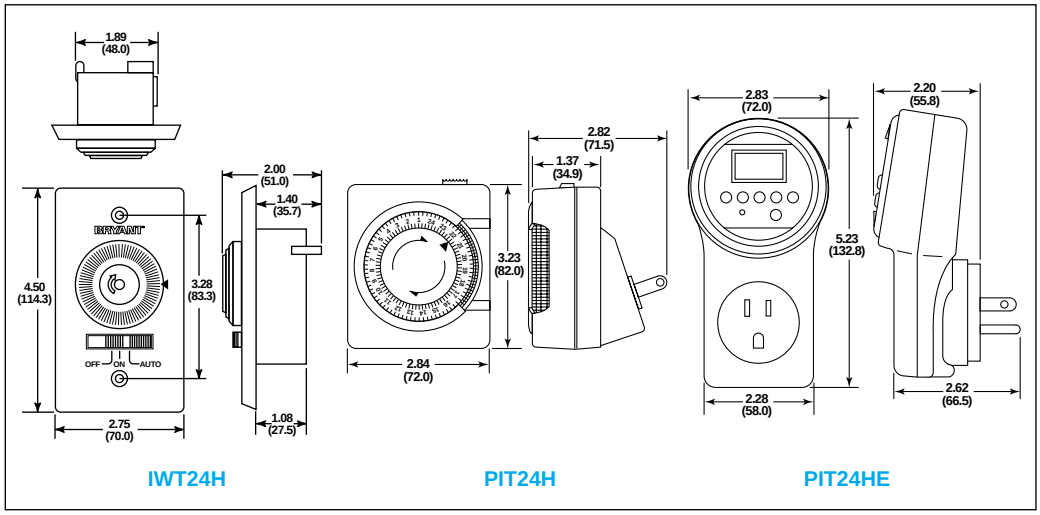
24 HOUR SECURITY PLUG-IN TIMER

CATALOG NUMBER	TIMING RANGE	CONTACT LOAD RATINGS @120V AC 60 Hz		
		RESISTIVE	TUNGSTEN	HP
PIT24H	15 min to 24 hrs	15 amp	1250W	1/3

24 HOUR, 7 DAY, ELECTRONIC PLUG-IN TIMER

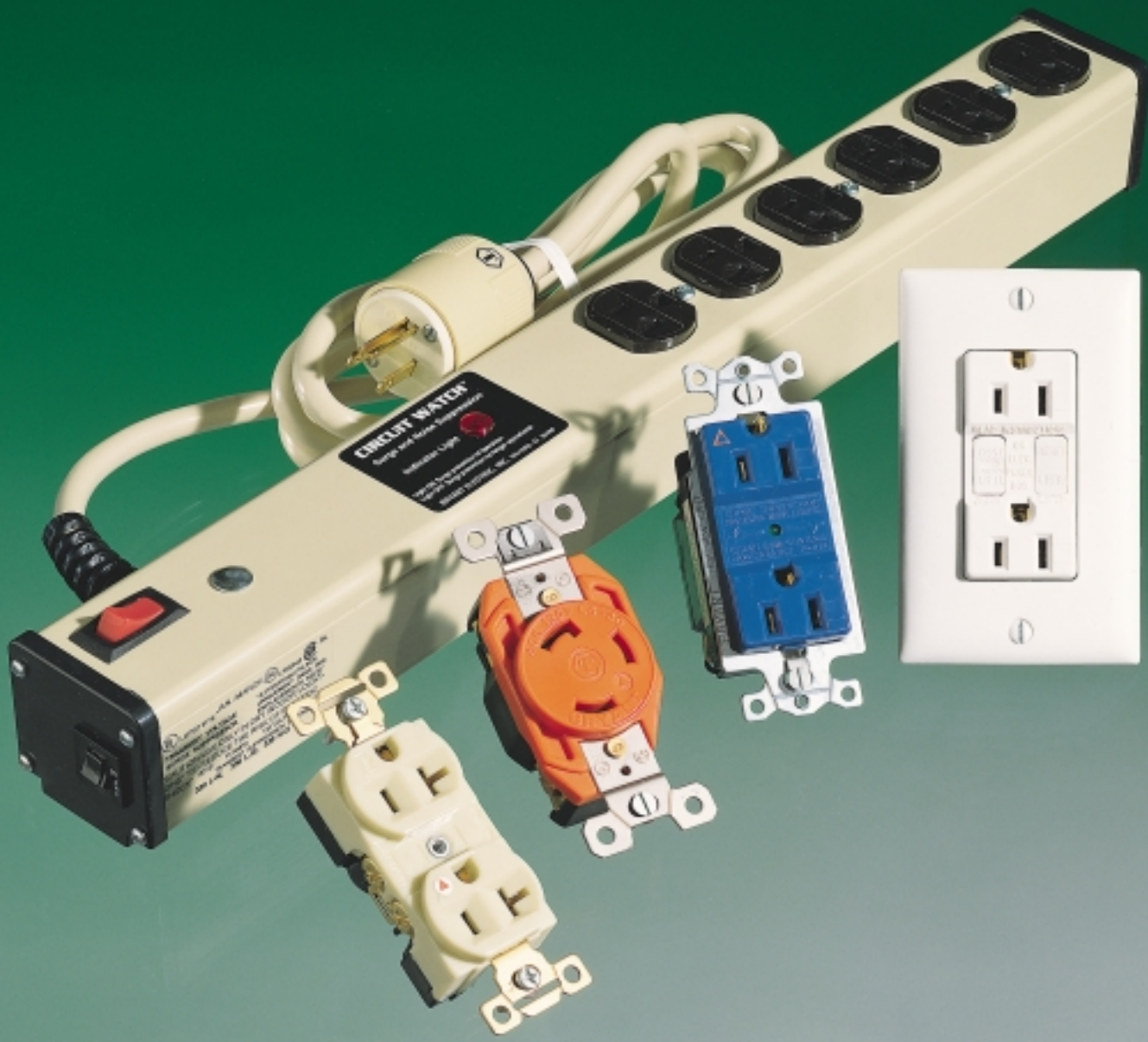
CATALOG NUMBER	TIMING RANGE	CONTACT LOAD RATINGS @120V AC 60 Hz	
		RESISTIVE	TUNGSTEN
PIT24HE	1 min to 24 hr x 7 day	15 amp	1000W

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



IWT24H PIT24H PIT24HE

① Resistive Tungsten



Section F

PEOPLE/EQUIPMENT PROTECTIVE DEVICES

Section F Index

PEOPLE/EQUIPMENT PROTECTIVE DEVICES

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BRYANT

Product Features
CIRCUIT WATCH™ Ground Fault Devices
Receptacles, Plugs and In-Line GFCI

WHY GROUND FAULTS ARE DANGEROUS

Electricity normally flows into a tool or appliance through a hot wire and returns through a neutral wire normally grounded. A ground fault occurs when worn or damp insulation or faulty wiring in electrical equipment allows current to leak to ground through an unintended path. If a human is in that path, he can complete the circuit. Shock, injury or electrocution can result, depending on the age and health of the operator, how well-grounded he is, and the path of the current through his body.

HOW THE GFR® RECEPTACLE MINIMIZES GROUND FAULT HAZARDS

Bryant's GFR ground fault receptacle constantly monitors the current flowing through a circuit. When a ground fault current leakage of 4-6 milliamperes is detected (a level approaching a potentially hazardous condition), the GFR's sensitive electronic circuitry automatically trips a switch, interrupts the circuit and cuts off the power. It acts within 25 milliseconds or less – faster than a heartbeat – preventing possible injury to a normally healthy person.

Ground fault current levels in the range of 4-6 milliamperes will not affect the heart rhythm of a healthy adult. Heart fibrillation generally occurs between 50-100 milliamperes.

The ability of the GFR to sense low-level ground faults assures optimum protection for people in homes . . . industrial plants . . . offices . . . and hospitals . . . wherever electricity is used.

NATIONAL ELECTRICAL CODE REQUIREMENTS FOR GROUND FAULT CIRCUIT INTERRUPTERS

For information regarding the application of ground fault circuit interrupters, consult the following articles of the National Electrical Code:

ARTICLE 210 - BRANCH CIRCUITS
210-8 Ground Fault Protection for Personnel

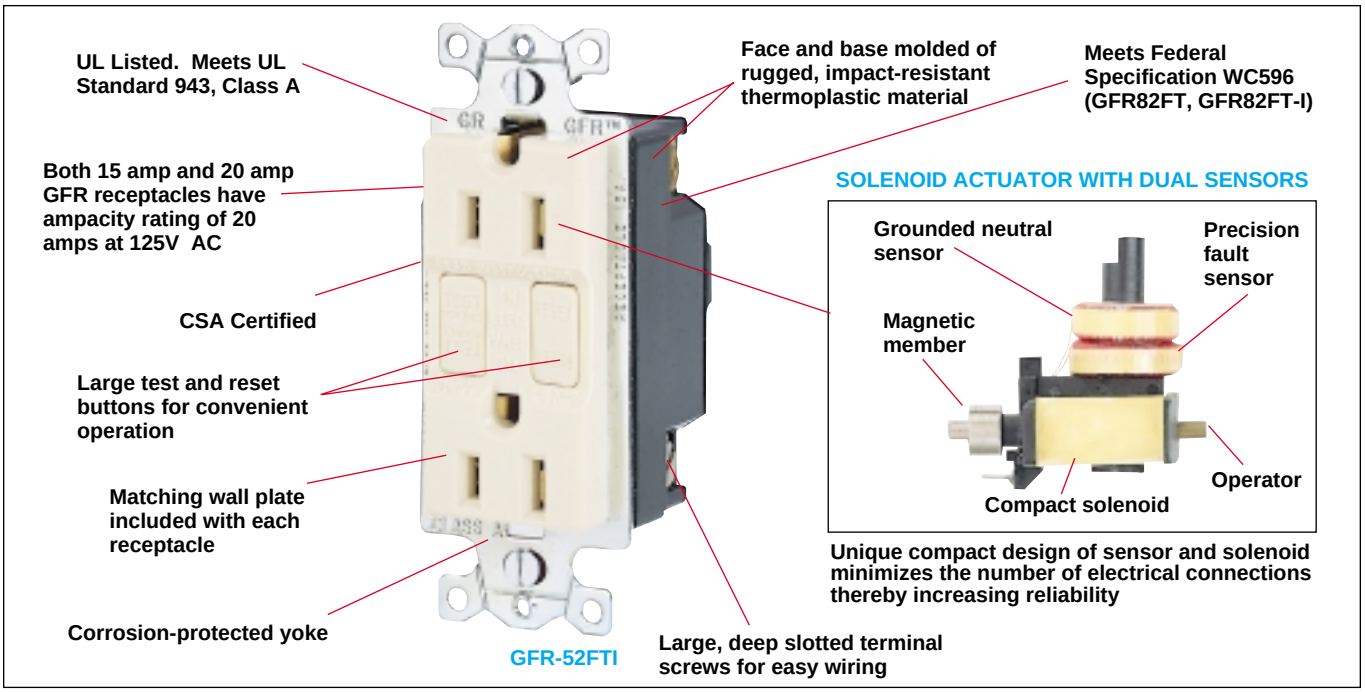
ARTICLE 305 - TEMPORARY WIRING
305-6(a) Ground Fault Protection for Personnel

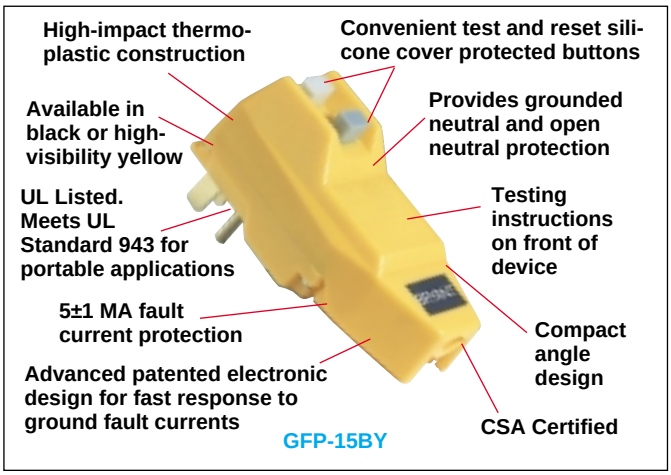
ARTICLE 511 - COMMERCIAL GARAGES, REPAIR AND STORAGE
511-10 Ground Fault Circuit Interrupter Protection for Personnel

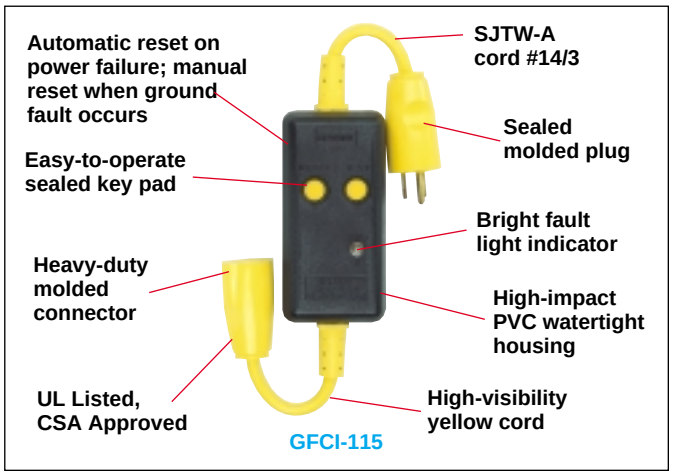
ARTICLE 517 - HEALTH CARE FACILITIES
517-17 Ground Fault Protection

ARTICLE 680 - SWIMMING POOL, FOUNTAINS AND SIMILAR INSTALLATIONS
680-5 Transformers and Ground Fault Circuit Interrupters
680-62(a) Ground Fault Circuit Interrupter

Consult your local electrical authorities for additional information and guidance.







BRYANT

NEMA 5-15

NEMA 5-20

GFR® Ground Fault Receptacles
2 Pole 3 Wire Grounding
15 Amp 125V; 20 Amp 125V

GFR52FT-I

GFR53FT-W

GF53INT-GRY

Features - Specifications

RECEPTACLE

- Bryant Ground Fault Receptacles conform to UL Standards 943, Class A and National Electrical Code requirements
- Feed-thru units can be wired to protect additional down-stream receptacles on the same circuit
- Compact shallow design permits flush mounting in standard 2½" (63.5) deep outlet box
- Wall Plate included with each receptacle
- One-piece triple-wipe brass line contacts
- Heavy zinc-plated steel rust-resistant yoke
- Face and base molded of rugged impact-resistant thermoplastic material
- Both 15 amp and 20 amp GFR® receptacles have ampacity interrupting rating of 20 amp at 125V AC
- Meets disconnect speed of 25 milliseconds at operating voltages 102-132 volt range for fault currents of 264ma based on UL formula $T=(\frac{20}{ma})^{1.43}$
- Sensitive to fault currents as low as 5ma ± 1ma. From no-load to full-rated load
- Electronic amplifier protected by unique varistor and spark ring from voltage transients of 6000 volt ring wave configuration
- All welded internal load current construction
- Withstand rating of 2000 amperes
- UL Listed File #E57705 – Guide #KCXS
- CSA Certified Class 1451 – File #LR65058
- Verified Under Fed. Spec. #WC596 (GFR82FT, GFR82FT-I)
- Operating temperatures from -35°C to +66°C
- NOM

GROUND FAULT

CATALOG NUMBER		COLOR
15 AMP 125V NEMA 5-15 FEED-THRU	20 AMP 125V NEMA 5-20 FEED-THRU	
GFR52FT	GFR53FT	Brown
GFR52FT-BLK	GFR53FT-BLK	Black
GFR52FT-GRY	GFR53FT-GRY	Gray
GFR52FT-I	GFR53FT-I	Ivory
GFR52FT-R	GFR53FT-R	Red
GFR52FT-W	GFR53FT-W	White

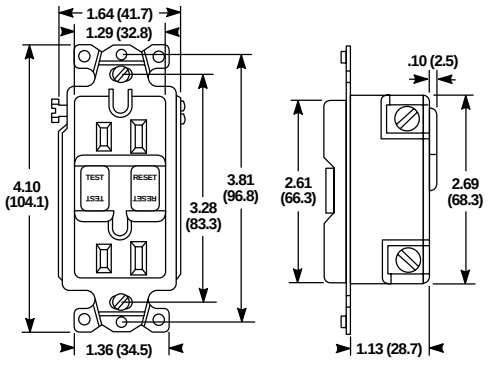
HOSPITAL GRADE

CATALOG NUMBER		COLOR
15 AMP 125V NEMA 5-15 FEED-THRU	20 AMP 125V NEMA 5-20 FEED-THRU	
GFR82FT	GFR83FT	Brown
GFR82FT-GRY	GFR83FT-GRY	Gray
GFR82FT-I	GFR83FT-I	Ivory
GFR82FT-R	GFR83FT-R	Red
GFR82FT-W	GFR83FT-W	White

"BLANK FACE"

CATALOG NUMBER	COLOR	DESCRIPTION
20 AMP 125V FEED-THRU		
GF53INT	Brown	"Blank Face" Ground Fault Interrupter
GF53INT-GRY	Gray	"Blank Face" Ground Fault Interrupter
GF53INT-I	Ivory	"Blank Face" Ground Fault Interrupter
GF53INT-R	Red	"Blank Face" Ground Fault Interrupter
GF53INT-W	White	"Blank Face" Ground Fault Interrupter

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



GFR52FT

Specifications are subject to change without notice.

BRYANT

CIRCUIT WATCH™

Ground Fault Devices 15 Amp 125V AC

T1254-GF6

GFCI-115

NEW! GFP-153R

GFP-15BY

Features - Specifications

QUADPLEX® GROUND FAULT CORD SET

- Rugged Lexan® construction
- Green LED pilot light indicates available power
- 12/3 SJO cord
- Compact design
- Nonmetallic, nonconductive box eliminates marred surfaces that often occur with heavy steel boxes
- UL Listed File #E57705
- Meets OSHA requirements
- NOM

PORTABLE GFCI

- Convenient portable GFCI protection
- Use with power tools, appliances, etc.
- Meets OSHA jobsite requirements
- UL Listed and CSA certified

IN-LINE GFCI CORD SET

- GFCI housing is watertight for outdoor use
- Rugged, high-impact PVC for long life
- Easy-to-operate sealed keypad
- Meets NEC Section 305-6(a) for GFCI power at construction sites
- UL Listed and CSA Certified
- Provides protection for 2- and 3-wire grounded appliances and tools
- Bright fault indicator light

GROUND FAULT PLUG

- High-impact thermoplastic construction
- Color-coded terminals
- Clamp-type terminals
- Advanced patented electronic design
- Compact angle design
- UL Listed File #E57705 – Guide #KCXS
- CSA Certified
- Trip response time for ground fault and grounded neutral less than 25ms
- 3-pin grounding plug, NEMA 5-15P
- Mechanical trip indicator
- Requires manual reset after each trip, including loss of power

QUADPLEX® GROUND FAULT CORD SETS

CATALOG NUMBER	COLOR	DESCRIPTION
T1254-GF6	Yellow	6 Ft., 12/3 SJO cord, pilot light, Lexan
T1254-GF25	Yellow	25 Ft., 12/3 SJO cord, pilot light, Lexan

IN-LINE GFCI CORD SETS, OUTDOOR RATED

GFCI-115	Yellow/Black	1½ Ft., 14/3 SJTW-A cord, trip light, PVC
GFCI-615	Yellow/Black	6 Ft., 14/3 SJTW-A cord, trip light, PVC
GFCI-2515	Yellow/Black	25 Ft., 14/3 SJTW-A cord, trip light, PVC

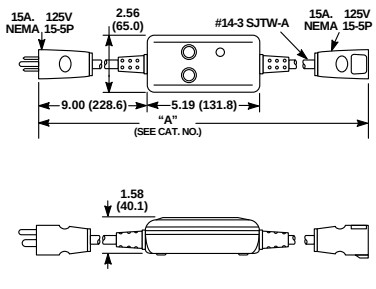
GROUND FAULT PLUGS, USER ATTACHABLE

GFP-15B	Black	Compact, 2 pole 3 wire plug, thermoplastic
GFP-15BY	Yellow	Compact, 2 pole 3 wire plug, thermoplastic

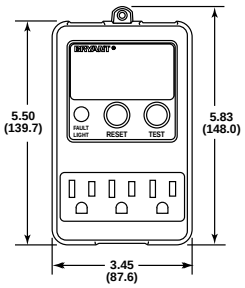
PORTABLE 3 OUTLET PLUG IN GFCI

GFP-153R	Ivory	Portable GFCI class A 3 outlet plug-in module with manual set, 2 pole 3 wire, 15 Amp 120V AC

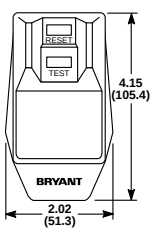
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



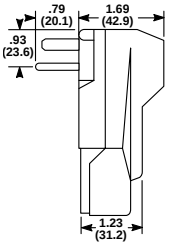
GFCI-115



GFP-153R



FRONT



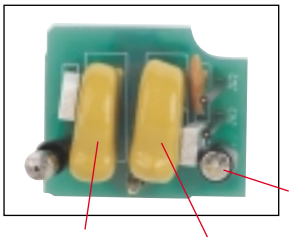
SIDE

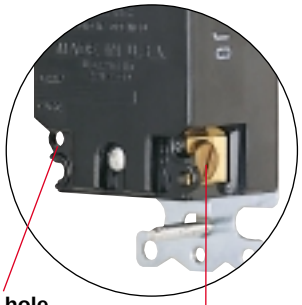
GFP-15B

Specifications are subject to change without notice.

BRYANT

Product Features
CIRCUIT WATCH™ Isolated Ground Surge Suppression Receptacles





SP83-TIGBLA

PLUG INTO PROTECTION

Eliminate costly equipment damage and subsequent downtime from transient voltage fluctuations with Bryant's CIRCUIT WATCH isolated ground duplex surge suppression receptacles. These devices stop virtually all voltage transients from internal and external sources. All CIRCUIT WATCH devices are UL Listed and CSA Certified.

SPECIFICATIONS

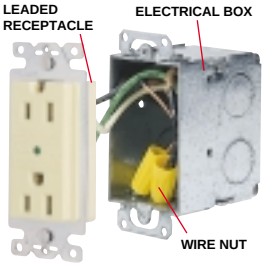
Bryant surge receptacles conform to the following specifications.

- Transient suppression capacity peak energy will be 80 joules to 150 joules for a 10 x 1000 microsecond pulse
- Common and normal mode protection
  Common mode transients: hot to ground, neutral to ground
  Normal mode transients: hot to neutral
- Response time 2 nanoseconds
- Varistor continuous RMS rating: 140 volts
- Fuse-protected internal circuitry
- Receptacle rating 15 and 20 amps 125V
- Construction of base and cover is high-impact thermoplastic
- Available with and without isolated ground feature
- Receptacles meet the following standards: IEEE 587, Category A & B; UL 1449, UL 498, CSA C22.2, No 42M

AVAILABLE TYPES

- 2 pole 3 wire 15 amp and 20 amp
- Terminal and leaded (non-IG)
- Receptacles available in brown, blue, ivory, white, and gray
- Special application surge receptacles come with prestripped 7" (177.8) pigtail leads for shallowest depth available .750" (19.1), 15 amp and 20 amp ivory and blue
- Hospital grade/industrial grade
- 150 joule I.G. terminal receptacles
- 80 joule leaded receptacles

LEADED SURGE RECEPTACLE



Wire leads eliminate problems caused by short conductors. Shallow design allows ample room for wiring. Speeds installation in limited space.

ISOLATED GROUND SURGE RECEPTACLE

Combines isolated ground feature with 150 joule surge suppression protection in one easy-to-wire duplex receptacle. Large #8 brass binding head terminal accepts up to #10 solid or stranded wire.

SP52-TIGA

SP53-TIGBLA

SP52-TIGGRA

SP53-TIGWA

Product specifications appearing in the following section are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

CIRCUIT WATCH™

Surge Suppression Receptacles

2 Pole 3 Wire Grounding, 15 Amp 125V; 20 Amp 125V

ALL PRODUCTS NEW

SP53-TIGIA

SP83-TIGBLA

SP52-LIA Side

Features - Specifications

150 JOULE I.G. VERSION

- Peak clamping level 600 volts all modes
- Maximum surge current 13,000 amps all modes
- Unique triple disc M.O.V. (2)
- Bright green L.E.D. indicator light
- High-impact nylon molded face cover
- Binding head terminal screw will accept up to #12 solid or stranded wire
- Self-grounding clip yoke design
- Snub hole wiring aid
- Meets or exceeds IEEE 587 Standards (A & B); exceeds portable surge rating requirements, UL 1449, UL 498, CSA 22.2, No. 42M (15 amp only) and UL 1283

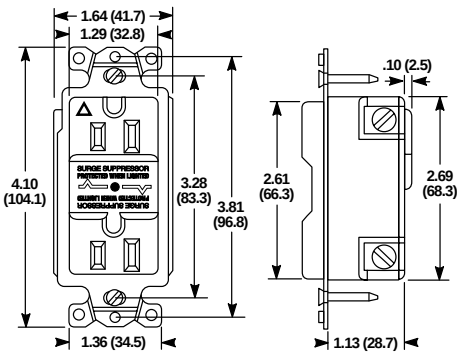
80 JOULE LEADED VERSION

- Bryant 80 joule duplex surge receptacle comes with 7" (177.8) prestripped leads, and twist-on connectors
- Shallowest depth available in a surge receptacle, .750" (19.1)
- Bright green L.E.D. indicator light
- Common and normal mode protection
- Varistor size 20mm
- Response time: approximately 5ns
- Shallow design allows ample room for wiring
- Ideal for retrofit applications
- UL 1449 ANSI/IEEE C62.41 (IEEE587)
- CSA TIL #1-11B/Stranded C22.2, No. 42M
- NOM

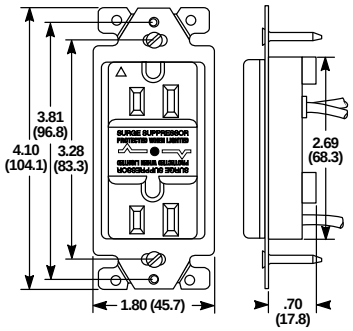
DUPLEX SURGE SUPPRESSION RECEPTACLES (INCLUDES WALL PLATES)

CAT. NO.	AMP RATING	COLOR	JOULES	DESCRIPTION
SP52-TIGA	15	Brown	150	Industrial grade, isolated ground, nylon
SP52-TIGBLA	15	Blue	150	Industrial grade, isolated ground, nylon
SP52-TIGGRA	15	Gray	150	Industrial grade, isolated ground, nylon
SP52-TIGIA	15	Ivory	150	Industrial grade, isolated ground, nylon
SP52-TIGWA	15	White	150	Industrial grade, isolated ground, nylon
SP53-TIGA	20	Brown	150	Industrial grade, isolated ground, nylon
SP53-TIGBLA	20	Blue	150	Industrial grade, isolated ground, nylon
SP53-TIGGRA	20	Gray	150	Industrial grade, isolated ground, nylon
SP53-TIGIA	20	Ivory	150	Industrial grade, isolated ground, nylon
SP53-TIGWA	20	White	150	Industrial grade, isolated ground, nylon
SP82-TIGA	15	Brown	150	Hospital grade, isolated ground, nylon
SP82-TIGBLA	15	Blue	150	Hospital grade, isolated ground, nylon
SP82-TIGIA	15	Ivory	150	Hospital grade, isolated ground, nylon
SP83-TIGA	20	Brown	150	Hospital grade, isolated ground, nylon
SP83-TIGBLA	20	Blue	150	Hospital grade, isolated ground, nylon
SP83-TIGIA	20	Ivory	150	Hospital grade, isolated ground, nylon
SP52-LBLA	15	Blue	80	Wire leads, Lexan®
SP52-LIA	15	Ivory	80	Wire leads, Lexan
SP53-LBLA	20	Blue	80	Wire leads, Lexan
SP53-LIA	20	Ivory	80	Wire leads, Lexan

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



SP52-TIGIA



SP52-LA SERIES

F 5

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

NEMA 5-20

CIRCUIT WATCH™ QUADPLEX® Surge Suppression Receptacles

2 Pole 3 Wire Grounding, 15 Amp 125V; 20 Amp 125V

1254-SIA

21254-SA

Features

QUADPLEX RECEPTACLES

- Rugged Lexan® construction
- Mounts directly to 4" (101.6) square or octagon boxes, no cover plate required. Meets 410-56 (i) of the NEC
- Quadplex can be retrofitted to 1 and 2-gang device boxes, 4" (101.6) square boxes with mud rings, or 4 11/16" (119.1) square boxes with easy-to-install adapter plates
- Saves wiring and installation time
- Accepts 4 straight or molded angle plugs
- Large #8 brass binding head terminal screws, approved for CU only, accepts up to #12 solid or stranded wire

Electrical Specifications

- Transient Suppression Capacity peak energy 80 joules for a 10x 1000µS① pulse
- Common and Normal Mode Protection. Common Mode Transients: hot to ground and neutral to ground. Normal Mode Transients: hot to neutral
- Maximum Clamping Voltage: test current 100 amperes peak (8x20µS); 360 volts
- Varistor Peak Clamping Voltage: 212 volts minimum, 243 volts maximum @ 1 milliampere D.C.
- Varistor Size: 20MM
- Varistor Continuous RMS Voltage Rating: 150 volts
- Capacitance @ 1 KHz; 2000 pf ± 30%
- Response Time: approximately 5ns (nanoseconds)
- Input Voltage: 125V AC, 60 Hz
- Current 20 ampere max. branch circuit
- Receptacle rating 15 and 20 ampere 125V

STANDARDS

- UL 1449 (Revised July 2, 1987)
- ANSI/IEEE C62.41-1980
- CSA TIL #1-11B/Standard C22.2 #8-M1986. Hospital grade requirements in accordance with UL 498
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

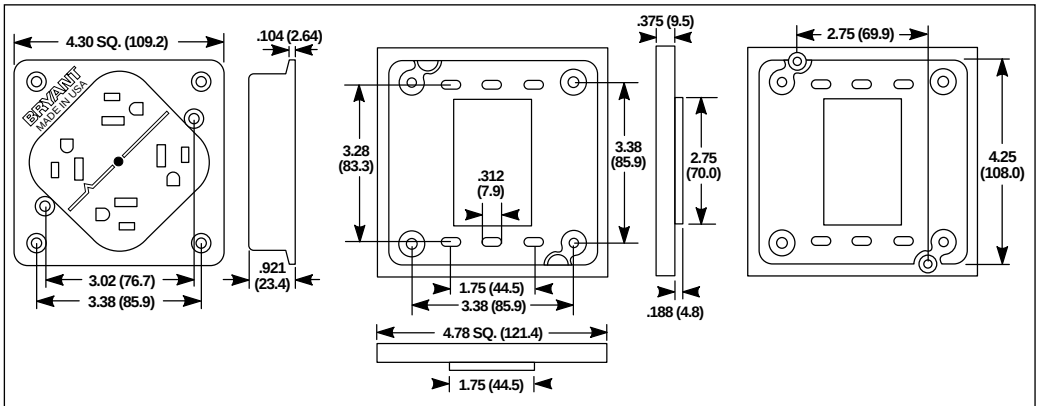
QUADPLEX® SURGE SUPPRESSION RECEPTACLES

CAT. NO.	AMP RATING	COLOR	JOULES	DESCRIPTION
1254-SA	15	Blue	80	Isolated ground, Lexan®
1254-SIA	15	Ivory	80	Isolated ground, Lexan
1254-HSA	15	Blue	80	Hospital grade, isolated ground, Lexan
1254-HSIA	15	Ivory	80	Hospital grade, isolated ground, Lexan
21254-SA	20	Blue	80	Isolated ground, Lexan
21254-SIA	20	Ivory	80	Isolated ground, Lexan
21254-HSA	20	Blue	80	Hospital grade, isolated ground, Lexan
21254-HSIA	20	Ivory	80	Hospital grade, isolated ground, Lexan
21254-SLA	20	Blue	80	Wire leads, isolated ground, Lexan
21254-SILA	20	Ivory	80	Wire leads, isolated ground, Lexan

QUADPLEX ADAPTER PLATES

CATALOG NUMBER		DESCRIPTION
FOR 4" (101.6) SQ., ONE & TWO GANG BOXES	FOR 4 11/16" (119.1) BOXES	
ADAP-BLU ADAP-I	ADAP-BLUS ADAP-IS	Blue, Lexan Ivory, Lexan

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



1254-SA, 21254-SA SERIES | ADAP SERIES | ADAP-S SERIES

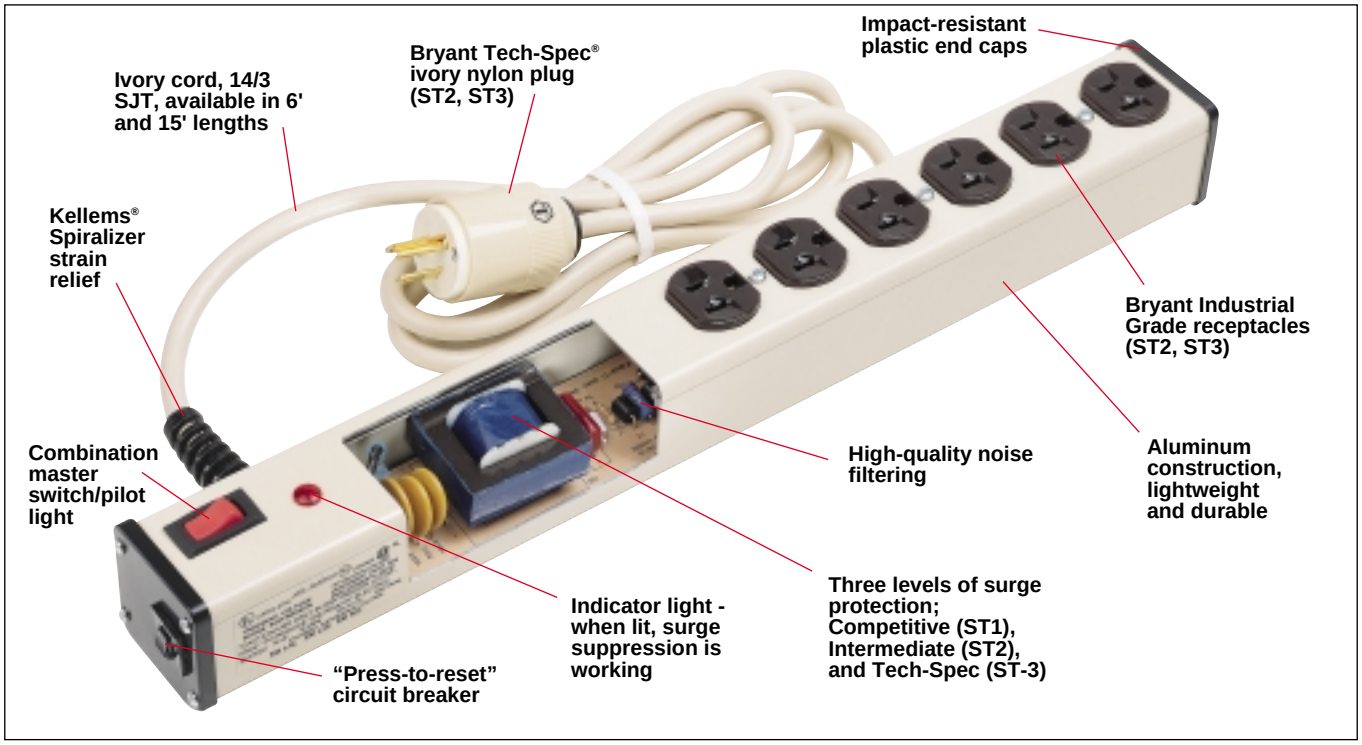
①µS=Microseconds.

Specifications are subject to change without notice.

BRYANT

NEMA 5-15

Product Features and Ordering Data
CIRCUIT WATCH™ Portable Surge Devices



Features - Specifications

CIRCUIT WATCH™ PORTABLE SURGE STRIPS
- 14/3 SJT ivory cord 6' (1828.8) and 15' (4572) available (ST1)
- Tech-Spec® ivory nylon plug (ST2-ST3)
- Plug-in unit has phone line protection

ALL UNITS
- Surge protection "on" indicator light
- 140 joule rated
- Quality EMI/RFI filtering
- Press-to-reset circuit breaker
- UL Listed and CSA Certified ST1, ST2, ST3
- Lightweight and durable aluminum construction
- High impact resistant plastic end caps
- Kellems® strain reliefs

QUADPLEX® SURGE CORD SET
- 12/3 SJO ivory cord 6' (1828.8)
- Tech-Spec® ivory nylon plug
- High-impact polycarbonate construction
- 80 joule rated receptacles
- Quadplex surge cord set is UL Listed File #E125479

ST2-6

ST-PIP

T1254-SI6

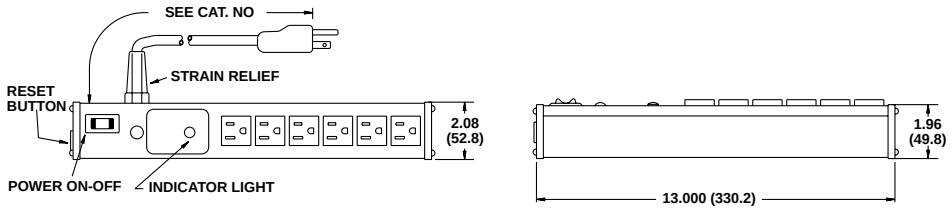
PORTABLE SURGE STRIPS NEMA 5-15 15 AMP 125V

CAT. NO.	AMP RATING	COLOR	JOULE RATING	DESCRIPTION
ST1-6	15	Ivory	140	6 outlets, 6 ft. (1828.8) cord, competitive protection
ST1-15	15	Ivory	140	6 outlets, 15 ft. (4572) cord, competitive protection
ST2-6	10	Ivory	140	6 outlets, 6 ft. (1828.8) cord, intermediate protection
ST3-6	10	Ivory	140	6 outlets, 6 ft. (1828.8) cord, Tech-Spec® protection
ST-PIP	10	Ivory	140	Plastic, 2 outlets, plug-in, with phone line protection, competitive protection level

QUADPLEX SURGE CORD SET NEMA 5-15 15 AMP 125V①

T1254-SI6	15	Ivory	80	4 outlets, 6 ft. (1828.8) cord, competitive protection

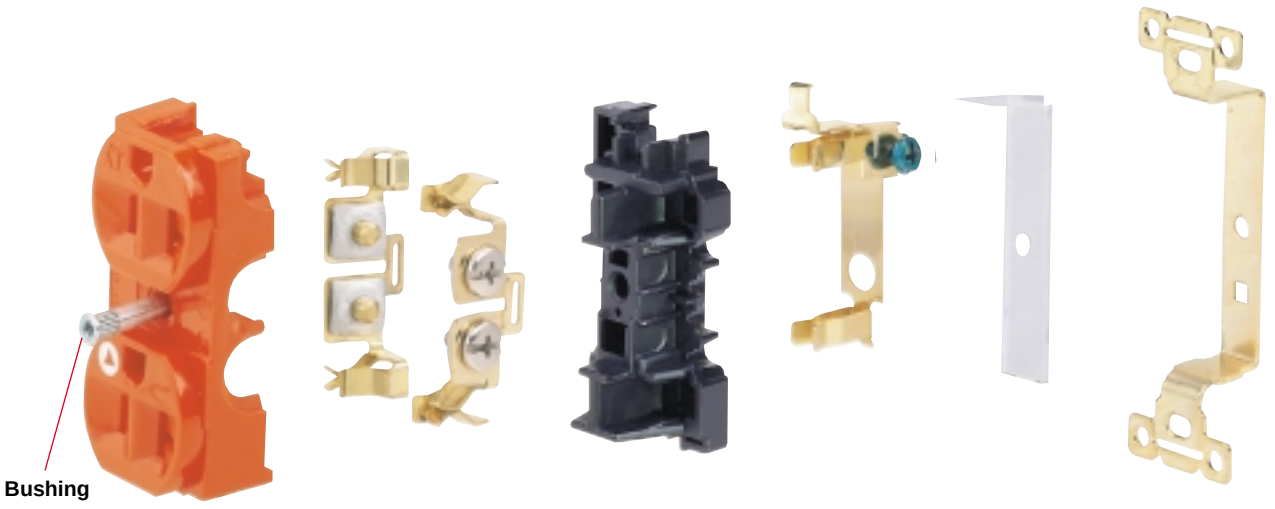
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



ST1-6

①For Quadplex dimensions, see pages B-13 and B-14.

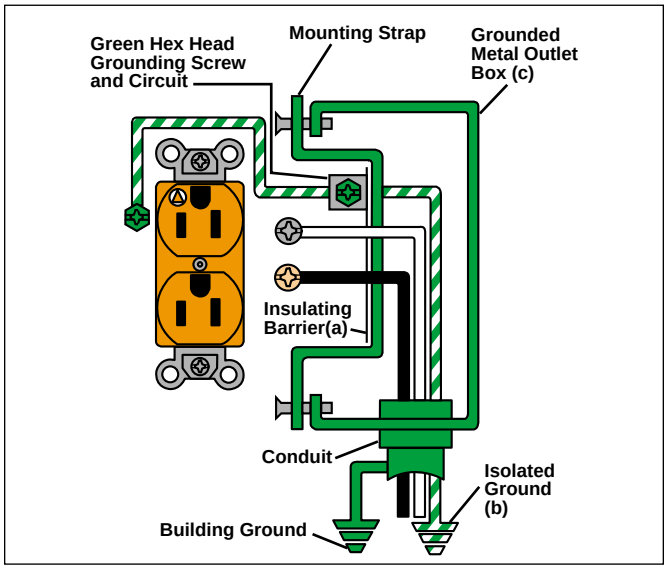
Specifications are subject to change without notice.

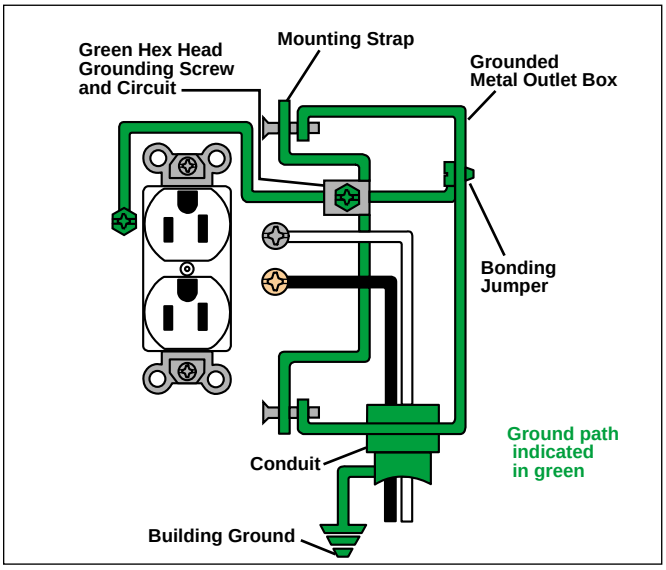


Characteristics of Isolated Ground Wiring Devices

Isolated ground devices help limit electrical noise on the equipment grounding circuit by providing two grounding paths for the installation. The device grounding circuit terminal and grounding contacts are isolated from the grounding path of the metal outlet box, device mounting means, and metal cover or wall plate, thus establishing a separate, dedicated equipment grounding path for connecting noise-sensitive equipment.

PRINCIPLES OF OPERATION





ISOLATED GROUND RECEPTACLE

Isolated ground receptacles are not grounded to building ground at the receptacle location.
Grounding of this device requires that an isolated ground path be established from the receptacle grounding terminal to a suitable equipment grounding point “upstream” from the device.
Insulating barrier (a) prevents grounding circuit (b) from making contact with the outlet box (c) which otherwise would ground the receptacle through the building ground.

CONVENTIONAL RECEPTACLE

Conventional receptacles are grounded to building ground at the receptacle outlet. When mounted in the box, a single grounding path is established through the grounded metal outlet box and the building ground system.

BRYANT

NEMA 5-15 | NEMA 5-20 | NEMA 6-15 | NEMA 6-20 | CSA 5-20R

TECH-SPEC® & QUADPLEX®
Isolated Ground
Straight Blade Receptacles

5262-IG

5261-IG

9200-IG

1254-IGO

Features - Specifications

- Molded of high-impact, chemical-resistant nylon
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accepts up to #10 wire (duplex), (8210, 5261, 8310, 5361 & 8410 – four wiring pockets)
- Terminal screws: brass combination Phillips/slotted binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted binding hex head grounding screw
- One-piece triple-wipe brass line contacts
- Strip gauge for accurate back wiring
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Complies with performance requirements of Federal Specification WC596 (where applicable)
- Complies with NEMA Standards WD-1, WD-6, UL 498 and CSA C22.2 No. 42-M 1984
- NOM

15 AMP 125V ISOLATED GROUND BACK AND SIDE WIRED NEMA 5-15

CATALOG NUMBER		DESCRIPTION
DUPLEX	SINGLE	
8200-IG	8210-IG	Orange nylon, hospital grade
8200-IGC	—	Orange nylon, hospital grade w/Robertson head screws
8200-IGTR	—	Orange nylon face, tamper resistant
5262-IG	5261-IG	Orange nylon
5262-IGC	5261-IGC	Orange nylon, w/Robertson head screws
5262-IGI	5261-IGI	Ivory nylon
5262-IGGRY	5261-IGGRY	Gray nylon
5262-IGW	5261-IGW	White nylon

20 AMP 125V ISOLATED GROUND BACK AND SIDE WIRED NEMA 5-20

8300-IG	8310-IG	Orange nylon, hospital grade
5362-IG	5361-IG	Orange nylon
5362-CANIG	—	Orange nylon, w/Robertson head screws
5362-IGI	5361-IGI	Ivory nylon
5362-IGGRY	5361-IGGRY	Gray nylon
5362-IGW	5361-IGW	White nylon

15 AMP 250V ISOLATED GROUND BACK AND SIDE WIRED NEMA 6-15

5662-IG	—	Orange nylon

20 AMP 250V ISOLATED GROUND BACK AND SIDE WIRED NEMA 6-20

—	8410-IG	Orange nylon, hospital grade
5462-IG	—	Orange nylon

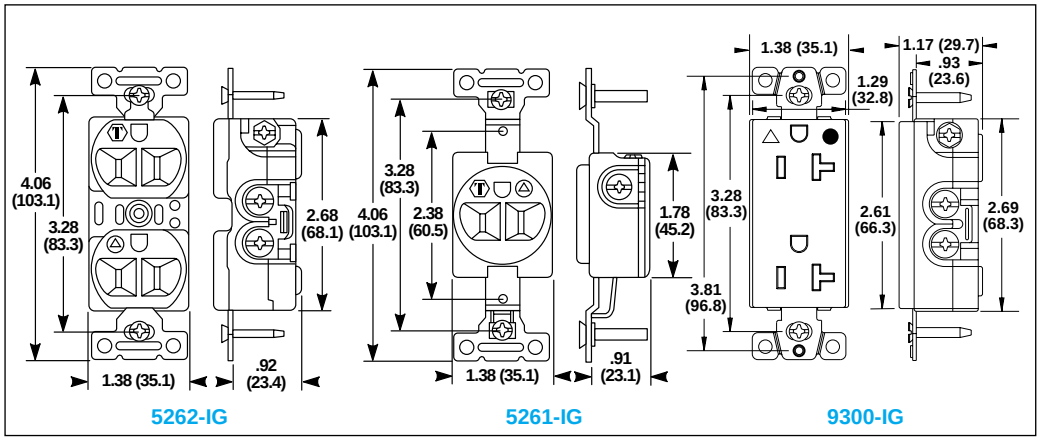
FASHION SERIES™ 9000 ISOLATED GROUND RECEPTACLES

15 AMP 125V	20 AMP 125V	DESCRIPTION
NEMA 5-15	NEMA 5-20	
9200-IG	9300-IG	Orange nylon, hospital grade, back and side wired
9200-IGGRY	9300-IGGRY	Gray nylon, hospital grade, back and side wired
9200-IGI	9300-IGI	Ivory nylon, hospital grade, back and side wired
9200-IGRED	9300-IGRED	Red nylon, hospital grade, back and side wired
9200-IGW	9300-IGW	White nylon, hospital grade, back and side wired

QUADPLEX ISOLATED GROUND RECEPTACLES①

1254-HIGO②	21254-HIGO	Orange Lexan®, hospital grade
1254-IGO	21254-IGO	Orange Lexan
—	21254-IGOL	Orange Lexan, with wire leads

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① See page B-13 for Quadplex dimensions and features.
② To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

BRYANT

Isolated Ground
Straight Blade Receptacles

9530-IG

9630-IG

9550-IG

9650-IG

Features - Specifications

FLUSH RECEPTACLE

- Face molded of arc-resistant urea
- Pressure terminals tin-plated to resist corrosion
- Heavy-duty double-wipe contacts
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- NOM

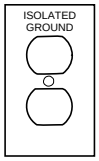
Application

- Prevents stray currents from affecting ultra-sensitive electronic equipment such as data-collecting systems and medical monitoring equipment. A separate grounding wire provides a pure or isolated path to ground

STRAIGHT BLADE DEVICES

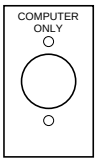
CATALOG NO.	RATING	CONFIG.	NEMA NO.	DESCRIPTION
9530-IG	2-pole, 3-wire 30 Amp 125V		5-30R	Receptacles - Single, flush, back wired, orange urea face
9630-IG	2-pole, 3-wire 30 Amp 250V		6-30R	
9550-IG	2-pole, 3-wire 50 Amp 125V		5-50R	
9650-IG	2-pole, 3-wire 50 Amp 250V		6-50R	

"ISOLATED GROUND" WALL PLATES①



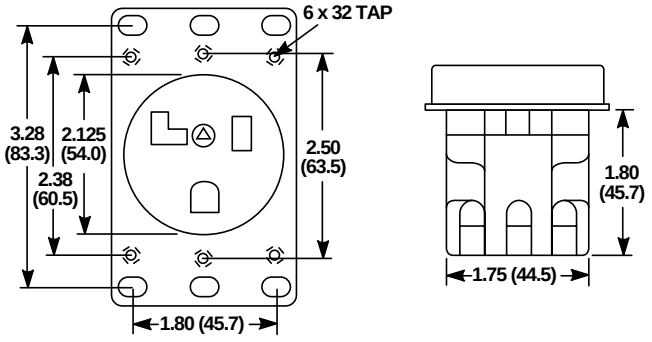
CATALOG NO.	DESCRIPTION
N3901IG	ORANGE NYLON, STANDARD SIZE HOT STAMPED, RECESSED BLACK LETTERING Duplex opening, one gang
N3911IG	Single receptacle opening, one gang
N39111IG	Locking opening, 1.62 (41.1) ID, one gang
N3901D	Fashion type opening, one gang, unmarked

"COMPUTER ONLY" WALL PLATES①



CATALOG NO.	DESCRIPTION
N3901MC	NYLON, MID-SIZE HOT STAMPED, RECESSED BLACK LETTERING Orange, duplex opening, one gang
N3911MC	Orange, single receptacle opening, one gang
N2101MC	Ivory, duplex opening, one gang
N2101DMC	Ivory, fashion type opening, one gang

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



9530-IG,9630-IG,9550-IG&9650-IG

①See Section M for more information on wall plates.

Specifications are subject to change without notice.

Isolated Ground
Locking Receptacles

NEW! 4700-DRIG

4710-IG

70520-IG

72130-IG

Features - Specifications

20/30 AMP SINGLE RECEPTACLE
- Impact/chemical-resistant nylon face
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals, accept #14 through #8 AWG solid or stranded conductors
- Deep slotted #10 bronze terminal screws resist corrosion and are color coded for easy identification
- One-piece rivetless copper-alloy contact design

15 AMP SINGLE RECEPTACLE
- Face and base molded of impact/chemical-resistant nylon
- One-piece rivetless copper-alloy contacts
- .050 (1.3) brass yoke
- Deep slotted #8 brass terminal screws; terminals accept up to #12 solid or stranded conductors

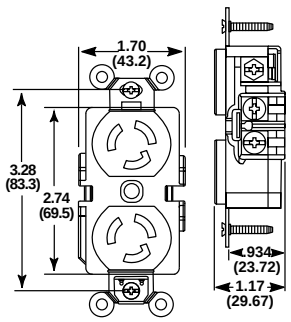
DUPLEX RECEPTACLE
- RTP① construction
- Back wired, individual wiring pockets, clamp-type terminals
- Terminals accept up to #12 solid or stranded conductors

ALL RECEPTACLES
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Comply with NEMA Standards WD-1, WD-6; UL 498
- Comply with performance requirements of Federal Specification WC596
- NOM
- CE

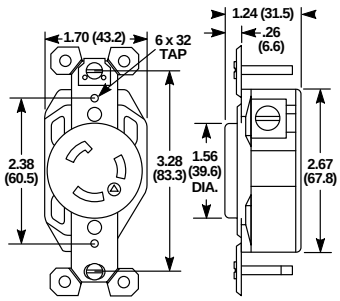
ISOLATED GROUND RECEPTACLES

CATALOG NUMBER	RATING	CONFIG.	NEMA NUMBER	DESCRIPTION
4700-DRIG	2 Pole 3 Wire 15 Amp 125V		L5-15R	Duplex, back wired, orange RTP①
4710-IG②	2 Pole 3 Wire 15 Amp 125V		L5-15R	Single, side wired, orange nylon face
70615-DRIG②	2 Pole 3 Wire 15 Amp 250V		L6-15R	Duplex, back wired, orange RTP①
70615-IG②	2 Pole 3 Wire 15 Amp 250V		L6-15R	Single, side wired, orange nylon face
70520-IG	2 Pole 3 Wire 20 Amp 125V		L5-20R	Single, back or side wired, orange nylon face
70620-IG	2 Pole 3 Wire 20 Amp 250V		L6-20R	Single, back or side wired, orange nylon face
70530-IG	2 Pole 3 Wire 30 Amp 125V		L5-30R	Single, back or side wired, orange nylon face
70630-IG	2 Pole 3 Wire 30 Amp 250V		L6-30R	Single, back or side wired, orange nylon face
71420-IG	3 Pole 4 Wire 20 Amp 125/250V		L14-20R	Single, back or side wired, orange nylon face
71430-IG	3 Pole 4 Wire 30 Amp 125/250V		L14-30R	Single, back or side wired, orange nylon face
72120-IG	4 Pole 5 Wire 20 Amp 120/208V 3ØY		L21-20R	Single, back or side wired, orange nylon face
72130-IG	4 Pole 5 Wire 30 Amp 120/208V 3ØY		L21-30R	Single, back or side wired, orange nylon face

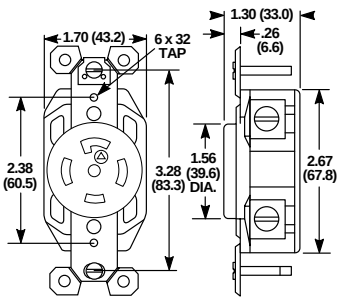
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



4700-DRIG



70520-IG



72130-IG

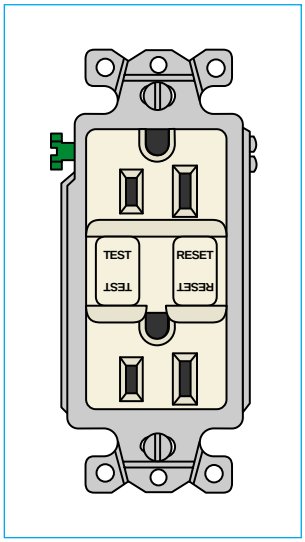
① Reinforced Thermoplastic Polyester
② See page G-8 and G-10 for dimensions on 4710 and 70615 series receptacles.

Specifications are subject to change without notice.

BRYANT

Ground Fault Receptacle Technical Specifications

Ground Fault Receptacle



DESCRIPTION

Typical Specification — Catalog No. GFR52FTI

Manufacturer's Identification — Bryant GFR52FTI

Description — Straight Blade Duplex GFCI Receptacle

Type — 2 Pole, 3 Wire, Grounding

Rating — 20A, 125V AC Feed through 15A 125V AC FACE

CERTIFICATION

- UL Listed, File E57705, Guide #KCXS
- Verified under Fed. Spec. #W-S 896-E
- Complies with U.L. 20 and NEMA Standard WD-1
- CSA Certified Class 1451 – File #LR65058

COMPONENTS	MATERIALS
Cover	Nylon
Base	Nylon
Line Contacts	Brass
Mounting Yoke	Zinc Plated Steel
Terminal Screws	Brass #10-32
Ground Screw	Brass (Green) #8-32
Test/Reset Buttons	Nylon
Mounting Screws	Zinc Plated Steel

PERFORMANCE

Electrical

Dielectric Voltage . . . . . Withstands 2000V minimum
Trip Level 4-6mA
Trip Time . . . . . .025 sec nominal
Frequency 60Hz
Voltage . . . . . 125V AC
Voltage Range . . . . . 102-132V AC
Maximum Humidity 95%

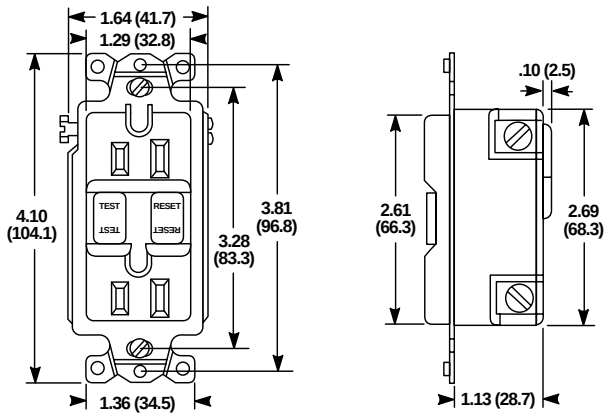
Mechanical

Terminal Identifcations . . . . . Terminals identified in accordance with U.L. 498 (Brass, White, Green)
Terminal Accommodations . . . . . #14 - #10AWG Copper Conductor only
Product Identifications . . . . . Ratings are a permanent part of the device

Environmental

Flammability . . . . . UL 94 V2
Operating Temperatures . . . . . -35°C to 66°C

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



GFR52FT

Additional

GFR53FT
(see catalog page F-2)

GFR82FT
(see catalog page F-2)

GFR83FT
(see catalog page F-2)

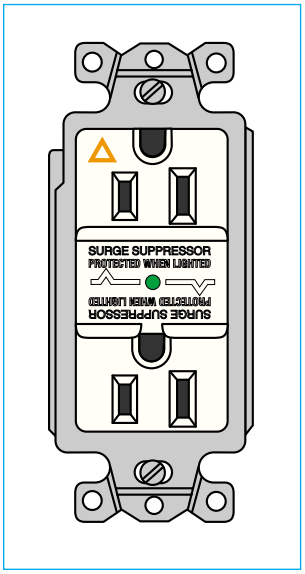
See catalog page F-1, F-2 for catalog numbers, features, product descriptions and product photograph

Specifications are subject to change without notice.

BRYANT

CIRCUIT WATCH™ Industrial Grade Isolated Ground Surge Suppression Receptacles Technical Specifications

STRAIGHT BLADE DUPLEX RECEPTACLE



DESCRIPTION

Manufacturer's Identification — Bryant SP52TIGA Series
Description — Industrial Grade Isolated Ground Surge Suppression Duplex Receptacle
Type — 2 Pole, 3 Wire, Grounding
Rating — 15A, 125V

NEMA 5-15

CERTIFICATION

- UL Listed, File E2258
- UL Standard 1449 Transient Voltage Surge Suppressor and 498 Receptacles
- Certified to CSA, C22.2, No. 42M
- CSA File #LR16215
- ANSI/IEEE C62.41 (IEEE 587) catagories "A" and "B"
- NEMA WD-1, WD-6
- Meets UL and CSA varistor thermal protection requirements

COMPONENTS	MATERIALS
Cover	Nylon
Base	Nylon
Line Contacts	.031" (.8) 688 Brass
Clamp Nut	.031" (.8) Brass
Mounting Yoke	.050" (1.3) Steel (Nickel-Plated)
Terminal Screws	Brass #8-32
Grounding Screw	Brass (Green) #8-32
Ground Contacts	#688 Brass
Auto. Grounding Assembly	Stainless Steel
Flat Head Mounting Screws	Zinc-Plated Steel

PERFORMANCE

Electrical

UL Listed Category 600V
Protection .....Thermal Cut-Off and Fuse.
Voltage .....125V AC ± 10%.
Frequency.....60 Hz.
Protection Modes .....Normal and Common.
Noise Filtration .....RFI and EMI 100KHz, 4MHz -10DB to -20DB.

Response Time .....2 Nanoseconds (ns)
Transient Suppressions .....Normal Mode (L-N), Common Mode (L-G) (N-G)
Peak Energy 10X 1000µs ..150 Joules
Peak Current 8X 20µs 13,000A

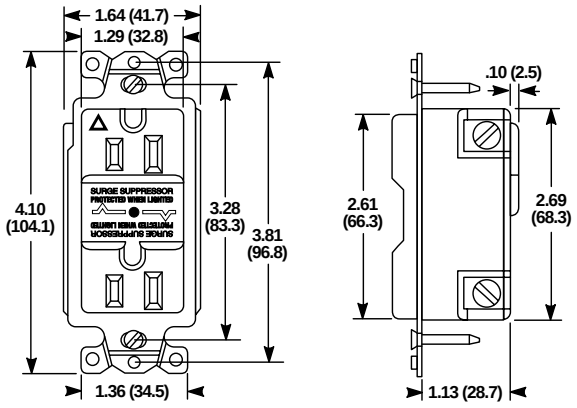
Mechanical

Terminal Identification — Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation . . . . . #14 — #10 AWG copper conductor only.
Product Identification . . . . . Ratings are a permanent part of the device.

Environmental

Flammability . . . . . Cover: UL 94 V2. Base: UL 94 V2.
Operating Temperatures . . . . . Maximum continuous 20°C to 55°C.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



SP52-TIGIA

Additional

SP53TIGA series — NEMA 5-20

SP82TIGA series — NEMA 5-15

SP83TIGA series — NEMA 5-20

See catalog page B-7 for catalog numbers, features, product descriptions and product photographs.

Section G

LOCKING DEVICES

Section G Index

LOCKING DEVICES

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15A 125V **G5**
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10A 250V DC Grounding **G14**
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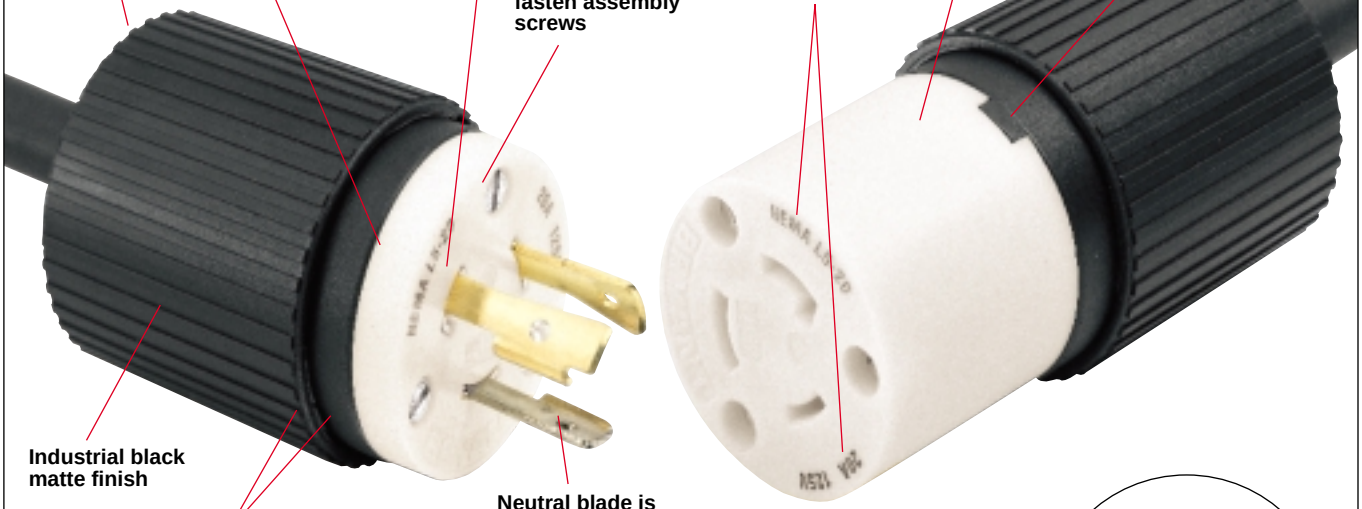
BRYANT

Product Features
TECH·SPEC® Triple-Gripper®
Locking Plugs and Connectors

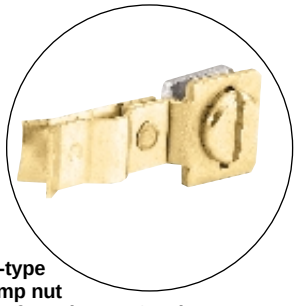
ALL PRODUCTS NEW



70520NP

70520NC

UL Listed
CSA Certified
Complies with NEMA Standards WD-1, WD-6, and UL 498
Verified under Federal Specification WC596 (where applicable)
NOM
CE



HIGH PERFORMANCE CONTACT
Heavy-duty .062 copper alloy contact plate provides excellent conductivity. High-performance copper-alloy contacts have excellent spring properties and provide superior contact pressure. Clamp-type terminals have .078 over-sized clamp nut with undercut for secure retention of conductor. Captive, deep-slotted #10 brass terminal screws are color-coded for easy wiring.

EPDM dust seal surrounds cord, helping to prevent moisture and contaminants from entering wiring chamber. Tapered cover eliminates snagging.

Internal "self-centering" Triple-Gripper® cord grip with new "radius teeth" design provides secure cord retention.

Transparent terminal cover, extended "teardrop" wiring pockets and backed out "captive" terminal screws simplify wiring.

Nylon angle adapter (catalog number 70204ANA) converts 20A and 30A nylon locking plugs and connectors into space-saving angle devices.

Heavy-duty mounting straps are nickel-plated to resist corrosion. Wide width design assures secure assembly.

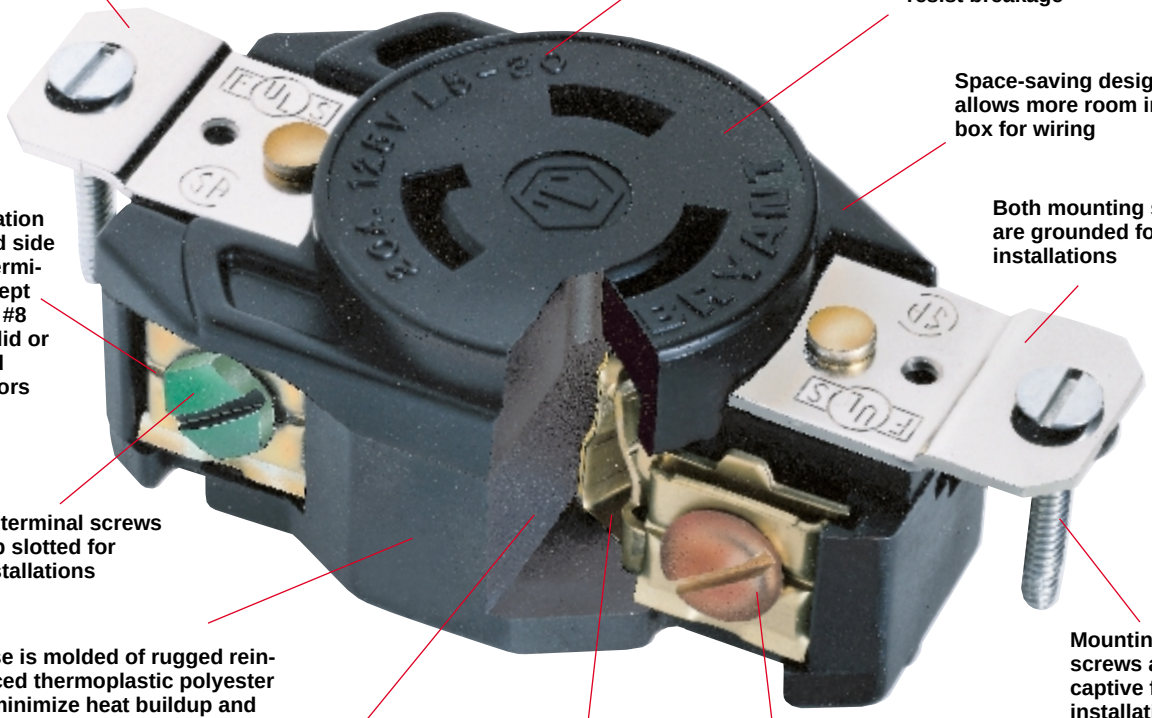
NEMA line number and rating are molded into face for easy identification

Face is molded of high-impact nylon to resist breakage

Space-saving design allows more room in box for wiring

Combination back and side wiring terminals accept #14 thru #8 AWG solid or stranded conductors

Both mounting straps are grounded for safe installations



Captive terminal screws are deep slotted for easy installations

Base is molded of rugged reinforced thermoplastic polyester to minimize heat buildup and resist breakage

Thick wall construction provides terminal isolation and strong support for current-carrying parts

High strength #10 bronze terminal screws resist corrosion and provide secure terminations

Mounting screws are captive for fast installations

One-piece, rivetless copper-alloy contact design reduces heat buildup and provides secure blade retention

UL Listed
CSA Certified
Complies with NEMA Standards WD-1, WD-6, and UL 498
Verified under Federal Specification WC596F (where applicable)
NOM
CE

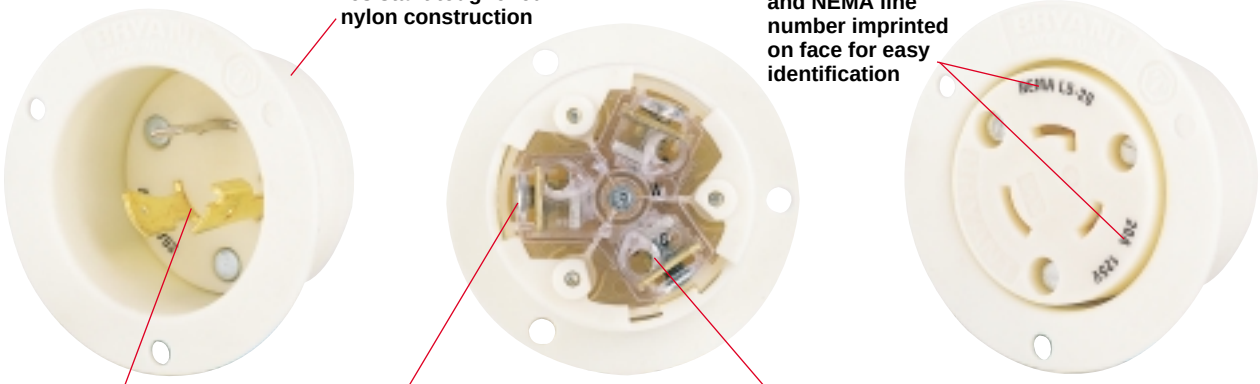
70520FR

Isolated Ground

Corrosion Resistant

Impact/chemical resistant toughened nylon construction

Amperage, voltage and NEMA line number imprinted on face for easy identification



Configuration-specific plug face surrounds blades to help prevent infiltration of contaminants

70520MB

Combination Phillips/slotted head terminal screws for versatile wiring

Transparent terminal cover, extended "tear-drop" wiring pockets and backed out "captive" terminal screws simplify wiring

70520ER

BRYANT

NEMA Configuration Chart
Locking Devices

			15 AMPERE		20 AMPERE		30 AMPERE	
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG
2-POLE 2-WIRE	125V	ML1	G-4① ML-1R	G-4 ML-1P				
	125V	L1	G-5 L1-15R② C73.31③	G-5 L1-15P C73.31				
	250V	L2			G-6 L2-20R C73.31	G-6 L2-20P C73.32		
2-POLE 3-WIRE GROUNDING	125V	ML2	G-7 ML-2R	G-7 ML-2P				
	125V	L5	G-8,G-9 L5-15R C73.42	G-8,G-9 L5-15P C73.42	G-12 L5-20R C73.72	G-12 L5-20P C73.72	G-16 L5-30R C73.73	G-16 L5-30P C73.73
	250V	L6	G-10 L6-15R C73.74	G-10 L6-15P C73.74	G-12 L6-20R C73.75	G-12 L6-20P C73.75	G-16 L6-30R C73.76	G-16 L6-30P C73.76
	277V AC	L7	G-11 L7-15R C73.43	G-11 L7-15P C73.43	G-12 L7-20R C73.77	G-12 L7-20P C73.77	G-16 L7-30R C73.78	G-16 L7-30P C73.78
	480V AC	L8			G-13 L8-20R C73.79	G-13 L8-20P C73.79	G-17 L8-30R C73.80	G-17 L8-30P C73.80
	600V AC	L9			G-13 L9-20R C73.81	G-13 L9-20P C73.81	G-17 L9-30R C73.82	G-17 L9-30P C73.82
	28V DC	FSL1					G-15 FSL1	G-15 FSL1
	400Hz 120V	FSL2					G-15 FSL2	G-15 FSL2
3-POLE 3-WIRE	125/250V	ML3	G-22 ML-3R	G-22 ML-3P				
	125/250V	L10			G-25 L10-20R C73.96	G-25 L10-20P C73.96	G-27 L10-30R C73.97	G-27 L10-30P C73.97
	3Ø 250V	L11	L11-15R C73.98	L11-15P C73.98	G-25 L11-20R C73.99	G-25 L11-20P C73.99	G-27 L11-30R C73.100	G-27 L11-30P C73.100
	3Ø 480V	L12			G-25 L12-20R C73.101	G-25 L12-20P C73.101	G-28 L12-30R C73.102	G-28 L12-30P C73.102
	3Ø 600V	L13					G-28 L13-30R C73.103	G-28 L13-30P C73.103
3-POLE 4-WIRE GROUNDING	125/250V	L14			G-30 L14-20R C73.83	G-30 L14-20P C73.83	G-31 L14-30R C73.84	G-31 L14-30P C73.84
	3Ø 250V	L15			G-30 L15-20R C73.85	G-30 L15-20P C73.85	G-31 L15-30R C73.86	G-31 L15-30P C73.86
	3Ø 480V	L16			G-30 L16-20R C73.87	G-30 L16-20P C73.87	G-32 L16-30R C73.88	G-32 L16-30P C73.88
	3Ø 600V	L17					G-32 L17-30R C73.89	G-32 L17-30P C73.89
	400Hz 3ØΔ 120V	FSL3					G-29 FSL3	G-29 FSL3
4-POLE 4-WIRE	3ØY 120/208V	L18			G-39 L18-20R C73.104	G-39 L18-20P C73.104	G-41 L18-30R C73.105	G-41 L18-30P C73.105
	3ØY 277/480V	L19			G-39 L19-20R C73.106	G-39 L19-20P C73.106	G-41 L19-30R C73.107	G-41 L19-30P C73.107
	3ØY 347/600V	L20			G-39 L20-20R C73.108	G-39 L20-20P C73.108	G-41 L20-30R C73.109	G-41 L20-30P C73.109
4-POLE 5-WIRE GROUNDING	3ØY 120/208V	L21			G-43 L21-20R C73.90	G-43 L21-20P C73.90	G-46 L21-30R C73.91	G-46 L21-30P C73.91
	3ØY 277/480V	L22			G-43 L22-20R C73.92	G-43 L22-20P C73.92	G-46 L22-30R C73.93	G-46 L22-30P C73.93
	3ØY 347/600V	L23			G-43 L23-20R C73.94	G-43 L23-20P C73.94	G-46 L23-30R C73.95	G-46 L23-30P C73.95
	400Hz 3ØY 120/208V	FSL4					G-45 FSL4	G-45 FSL4

① Indicates page number where devices are located.
② NEMA Number
③ ANSI Number

BRYANT

NEMA ML-1

TECH·SPEC®

2 Pole 2 Wire 15 Amp 125V

Midget Locking Devices

7465-N

7464-N

7466-N

7468-N

Features - Specifications

NYLON PLUG AND CONNECTOR

- Impact/chemical-resistant nylon construction
- Nonmetallic "automatic" cord grip
- Individual wire pockets, clamp-type terminals
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 Guide #20T2

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE

- Individual wire pockets, clamp-type terminals
- Impact/chemical-resistant nylon construction
- Color-coded terminal screws for easy identification

MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 Guide #20T2

FEMALE EQUIPMENT RECEPTACLE

- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365-E-1

ALL LOCKING DEVICES

- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

ATTACHMENT PLUG

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7465-N	.220 - .425 (5.6-10.8)	Black/white nylon polarized plug with nonmetallic cord grip
7465-NB	.220 - .425 (5.6-10.8)	Black nylon polarized plug with nonmetallic cord grip

CONNECTOR

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7464-N①	.220 - .425 (5.6-10.8)	Black/white nylon connector with nonmetallic cord grip
7464-NB①	.220 - .425 (5.6-10.8)	Black nylon connector with nonmetallic cord grip

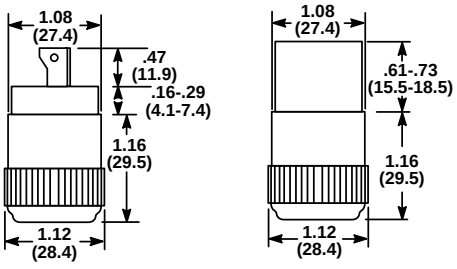
EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
7466-N	White nylon male equipment base, polarized
7468-N①	White nylon female equipment receptacle

WEATHER PROTECTIVE BOOTS

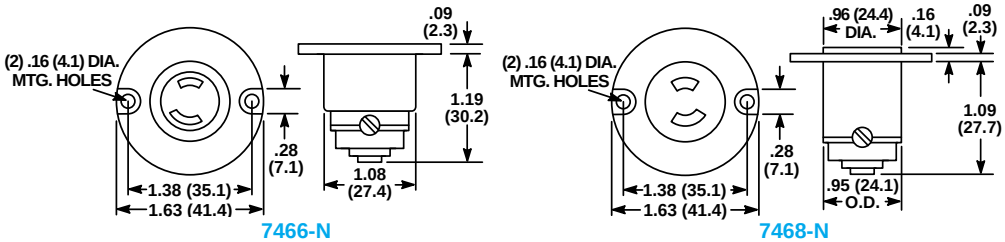
CATALOG NUMBER	DESCRIPTION
7460-BP	Black thermoplastic elastomer boot for use with plug when used with connector or female equipment receptacle. Also for use with connector when used with male base.
7460-BC	Black thermoplastic elastomer boot for use with connector when used with plug.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



WEATHER PROTECTIVE BOOTS

7460-BP 7460-BC



① Will accommodate both polarized and nonpolarized plugs.

Specifications are subject to change without notice.

BRYANT

NEMA L1-15

2 Pole 2 Wire
15 Amp 125V
Locking Devices

7535

7540

7548

7506

7523

7526

Features - Specifications

SINGLE AND DUPLEX RECEPTACLE
- Back and side wired
- Individual wire pockets, clamp-type terminals
- Black phenolic construction
- Rust-resistant yoke
- Conforms to NEMA and ANSI Standards
- UL Listed File #E2258 – Guide #RTRT

PLUG AND CONNECTOR
- Binding screw terminals
- Adjustable cord grips
- Phenolic and rubber construction
- Conforms to NEMA and ANSI Standards
- UL Listed File #E1381 – Guide #AXUT (7548)

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Binding screw terminals
- Metal cup with phenolic body

MALE BASE
- UL Listed File #E1381 – Guide #AXUT

FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT

SINGLE AND DUPLEX RECEPTACLE

CATALOG NUMBER	DESCRIPTION
7535	Single, black phenolic, back and side wired
7540	Duplex, black phenolic, back and side wired

ATTACHMENT PLUG

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7548	.296 - .562 (7.5-14.3)	Black rubber plug with cord grip, dead front

CONNECTOR

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7506①	.296 - .562 (7.5-14.3)	Phenolic connector with cord grip

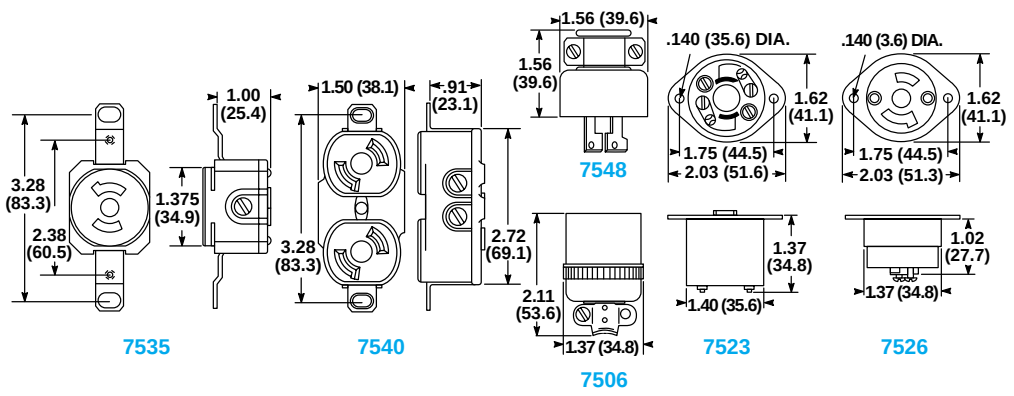
EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
7523	Male equipment base, binding screw terminals
7526	Female equipment receptacle, binding screw terminals

INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611	Type 302/304 stainless steel, single receptacle, 1-gang
S601	Type 302/304 stainless steel, duplex receptacle, 1-gang
7418-B	Die cast aluminum, with cover, single receptacle, F.S. box mounting
4510-B	Die cast aluminum, with cover, duplex receptacle, F.S. box mounting

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① Not UL listed.
② See Sections L & M for complete information on plates.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L2-20

2 Pole 2 Wire 20 Amp 250V Locking Devices

7210-B

7102-N

7101

8808

8809

Features - Specifications

SINGLE RECEPTACLE
- Back and side wired
- Individual wire pockets, clamp-type terminals
- Strip gauge for accurate wiring
- Rust-resistant yoke
- Receptacle accommodates both polarized and non-polarized plugs
- UL Listed File #E2258 – Guide #RTRT

PLUG AND CONNECTOR
- Individual wire pockets, clamp-type terminals
- Adjustable cord grips
- UL Listed File #E1381 – Guide #AXUT

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Clamp-type terminals
- Nylon cup

MALE BASE
- UL Listed File #E1381 – Guide #AXUT

FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498

SINGLE RECEPTACLE

CATALOG NUMBER	DESCRIPTION
7210-B	Black phenolic, back and side wired

ATTACHMENT PLUGS

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7102-N	.250 - .656 (6.4-16.7)	Thermoplastic plug with cord grip, dead front construction
9102-N	.250 - .656 (6.4-16.7)	Thermoplastic plug with cord grip, dead front construction, polarized

CONNECTOR

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7101	.250 - .656 (6.4-16.7)	Thermoplastic connector with cord grip

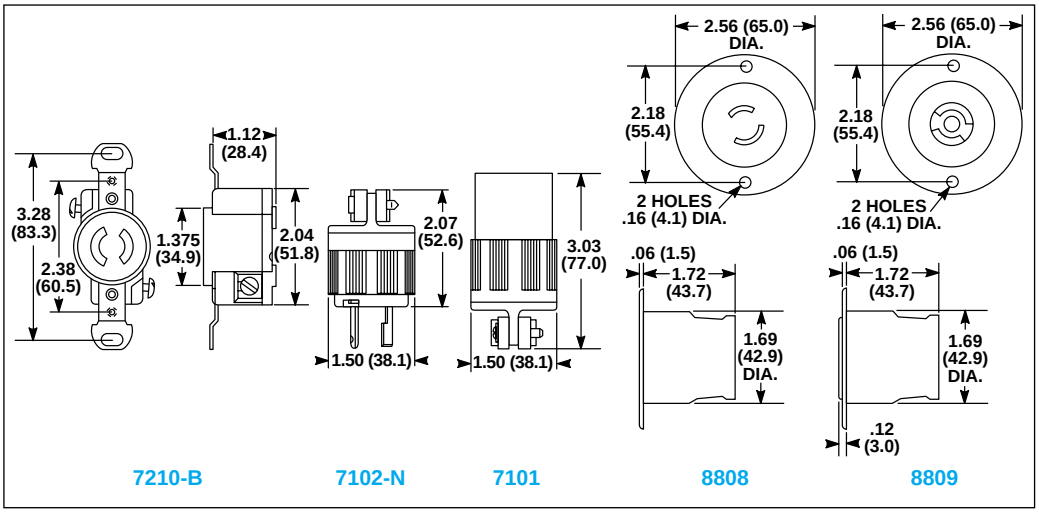
EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
8808	Nylon, male equipment base, polarized
8809	Nylon, female equipment receptacle

INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611	Type 302/304 stainless steel, single receptacle, 1-gang
7418-B	Die cast aluminum, with cover, single receptacle, F. S. box mounting

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



7210-B 7102-N 7101 8808 8809

① See Sections L & M for complete information on plates.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA ML-2

2 Pole 3 Wire Grounding
15 Amp 125V
Midget Locking Devices

7594-NP

7593-NC

7595-MB

7596-ER

Features - Specifications

NYLON PLUG AND CONNECTOR
- Impact/chemical-resistant nylon construction
- Nonmetallic “Quad-Gripper” cord grip
- Captive terminal screws are color coded for easy identification
- Dead front construction
- Individual wire pockets, clamp-type terminals
- Conforms to NEMA and ANSI Standards
- Strip gauge for accurate wiring
- Captive assembly screws
- Ribbed nylon exterior provides firm grip
- Devices keyed for proper assembly
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Impact/chemical-resistant nylon construction
- Strip gauge for accurate wiring
- Color-coded terminals for easy identification
- Captive terminal screws
- Conform to NEMA and ANSI Standards

MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365-E-1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7594-NP	.281 - .625 (7.1-15.9)	Black/white nylon plug, Quad Gripper cord grip
7593-NC	.281 - .625 (7.1-15.9)	Black/white nylon connector, Quad Gripper cord grip
7595-MB	—	Male equipment base, white nylon cup
7596-ER	—	Female equipment receptacle, white nylon cup

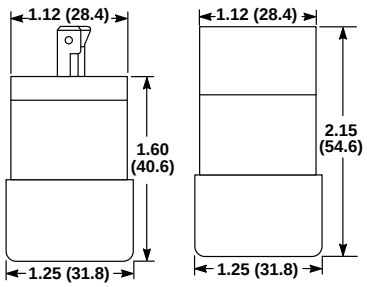
WEATHER PROTECTIVE BOOT

CATALOG NUMBER	DESCRIPTION
7400-BCR	Yellow neoprene boot for use on both 7594-NP and 7593-NC

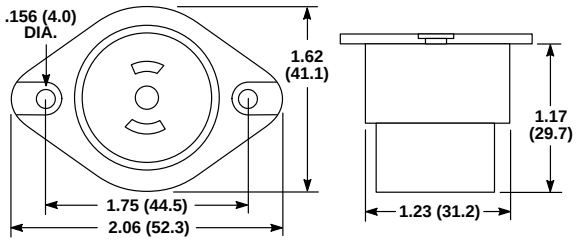
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

WEATHER PROTECTIVE BOOTS

7400-BCR



7594-NP 7593-NC



7595-MB & 7596-ER

Specifications are subject to change without notice.

BRYANT

NEMA L5-15

TECH·SPEC®

2 Pole 3 Wire Grounding; 15 Amp 125V
Locking Devices

4710

4710-44

4712-BRY

NEW!

4700-DR

4716-MB

4715-ER

Features - Specifications

SINGLE RECEPTACLE
- Impact/chemical-resistant nylon construction
- .050 (1.3) brass yoke
- Oversized #8-32 brass binding screw terminals
- Line/ground contacts one-piece brass construction

DUPLEX RECEPTACLE
- RTP* construction
- Back and side wiring, clamp-type terminals

SINGLE AND DUPLEX RECEPTACLES
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365-E-1
- Verified under Federal Specification WC596
- Quick connect spade terminal devices are Recognized Components by Underwriters' Laboratories, Inc. (Guide #RTRT2)

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Impact/chemical-resistant nylon construction

MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365-E-1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

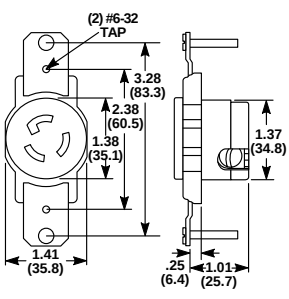
SINGLE AND DUPLEX RECEPTACLES

CATALOG NUMBER	DESCRIPTION
4710	Single, black nylon, back and side wired
4710-CR①	Single, yellow nylon, corrosion resistant, back and side wired
4710-IG②	Single, orange nylon, isolated ground, back and side wired
4710-44	Single, black nylon, with quick connect spade terminals
4712-BRY	Single, black nylon, panel mounting, 1.94 (49.3) mounting hole center, back and side wired
4713-BRY	Single, black nylon, panel mounting, 1.75 (44.5) mounting hole center, back and side wired
4711-BRY	4710 mounted on 4" (101.6) round metal box cover
4700-DR	Duplex, brown RTP*, back and side wired
4700-DRC	Same as above except with Robertson/combo head screws
4700-DRI	Duplex, ivory RTP*, back and side wired
4700-DRCR①	Duplex, yellow RTP*, corrosion resistant, back and side wired
4700-DRIG②	Duplex, orange RTP*, isolated ground, back and side wired
4700-DRIGC	Same as above except with Robertson.combo head screws

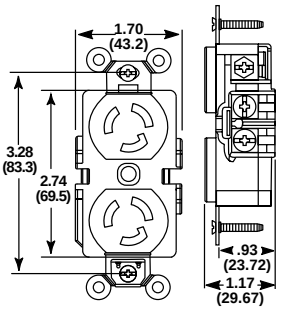
EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
4716-MB	Male equipment base, nylon cup
4715-ER	Female equipment receptacle, nylon cup

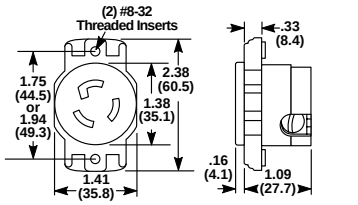
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



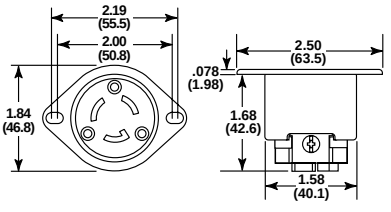
4710



4700-DR



4712-BRY & 4713-BRY



4716-MB & 4715-ER

① See Section H for more information on corrosion-resistant devices.
② See Section F for more information on isolated ground devices.
③ See Sections L & M for complete information on plates.
See page O-3 for horsepower ratings.

Specifications are subject to change without notice.
*** Reinforced Thermoplastic Polyester**

BRYANT

NEMA L5-15

TECH·SPEC®

2 Pole 3 Wire Grounding; 15 Amp 125V
Locking Devices

NEW! 4721-NP

NEW! 4732-NC

4726-BRY

4730

4723-BRY

4722-N

Features - Specifications

NYLON PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- TPE dust seal surrounds
- cord to help prevent moisture and contaminants from entering wiring chamber
- Combination Phillips/slotted terminal and assembly screws

ALL PLUGS AND CONNECTORS
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide 20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

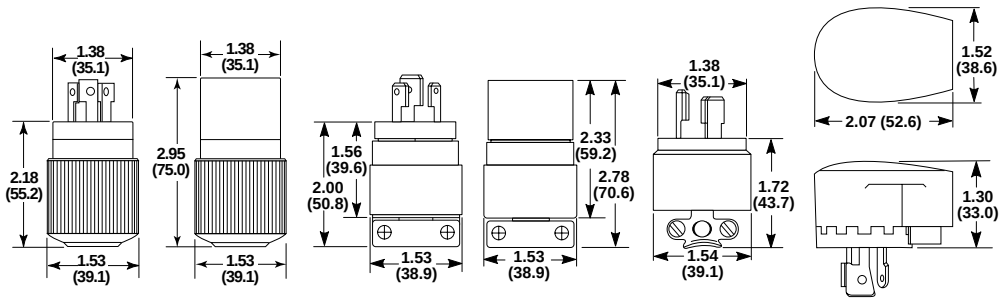
PLUG AND CONNECTOR

CATALOG NUMBER		CORD DIA.	DESCRIPTION
PLUG	CONNECTOR		
4721-NP	4732-NC	.300-.655 (7.6-16.6)	Black/white nylon, clamp-type terminals, Triple-Gripper cord grip
4721-NPC	4732-NCC	.300-.655 (7.6-16.6)	Same as above, except w/Robertson head screws
4721-NPCR①	4732-NCCR①	.300-.655 (7.6-16.6)	Yellow/white nylon, corrosion-resistant, clamp-type terminals, Triple-Gripper cord grip
4721-NSY②	4732-NSY②	.325-.705 (8.3-17.9)	Sentinel yellow nylon, clamp-type terminals, Triple-Gripper cord grip
4721-NPB	4732-NCB	.300-.655 (7.6-16.6)	Black nylon, clamp-type terminals, Triple-Gripper cord grip
4722-N	—	.300-.625 (7.6-15.9)	Black\white nylon, angle plug, 12-position adjustment, clamp-type terminals
4723-BRY	—	.296-.625 (7.5-15.9)	Black phenolic, clamp-type terminals
4726-BRY	4730	.296-.625 (7.5-15.9)	Black nylon, clamp-type terminals

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	Thermoplastic elastomer
5200-BPB	5200-BP	Boot for use with 4721-NP Series plugs
5200-BCB	5200-BC	Boot for use with 4732-NC Series connectors
5200-BSRB	5200-BSR	Sealing ring for use with 5200 Series connector boot

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



4721-NP 4732-NC 4726-BRY 4730 4723-BRY 4722-N

① See Section H for more information on corrosion-resistant devices.
② To be discontinued when existing stocks are exhausted. Substitute 4721-NPCR and 4732-NCCR.
③ See page H-12 for more information on weather protective boots.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

NEMA L6-15

TECH·SPEC®

2 Pole 3 Wire Grounding; 15 Amp 250V

Locking Devices

70615-FR

NEW! 70615-DR

NEW! 70615-NP

NEW! 70615-NC

70615-MB

70615-ER

Features - Specifications

SINGLE RECEPTACLE
- Impact/chemical-resistant nylon construction
- .050 (1.3) brass yoke
- Oversized #8-32 brass binding screw terminals
- Line/ground contacts one-piece brass construction

DUPLEX RECEPTACLE
- RTP* construction
- Back and side wiring, clamp-type terminals

NYLON PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- TPE dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Nylon construction

SINGLE, DUPLEX AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Verified under Fed. Spec. WC596 (70615FR,70615DR)
- Quick connect spade terminal devices are Recognized Components by Underwriters' Laboratories, Inc. (Guide RTRT2)

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

SINGLE AND DUPLEX RECEPTACLES

CATALOG NUMBER	DESCRIPTION
70615-FR	Single, black nylon, back and side wired
70615-IG	Single, orange nylon, isolated ground, back and side wired
70615-44	Single, black nylon, with quick connect spade terminals
70615-75	Single, black nylon, panel mounting, 1.75 (44.5) mounting hole center
70615-94	Single, black nylon, panel mounting, 1.94 (49.3) mounting hole center
70615-DR	Duplex, brown RTP*, back and side wired
70615-DRIG	Duplex, orange RTP*, isolated ground, back and side wired

SINGLE GANG RECEPTACLE PLATES①

CATALOG NUMBER		DESCRIPTION
SINGLE	DUPLEX	
S611	S601	Type 302/304 stainless steel, smooth edge
S2811	S2801	.040 (1.0) solid brass, smooth edge
N0111	—	Black nylon, smooth edge
7418-B	4510-B	Die cast aluminum, with cover, F.S. box mounting

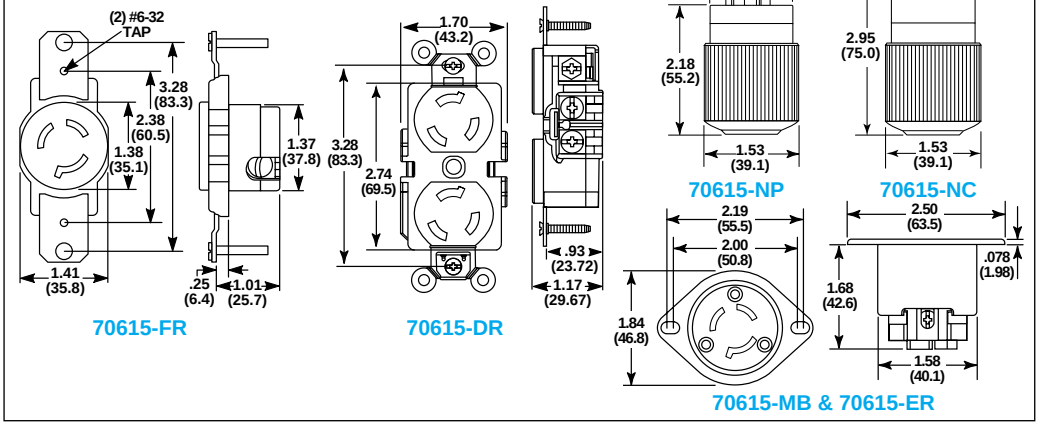
NYLON PLUG AND CONNECTOR②

CATALOG NUMBER	CORD DIA.	DESCRIPTION
70615-NP	.300 - .655 (7.6-16.6)	Plug, black/white nylon
70615-NPC	.300 - .655 (7.6-16.6)	Same as above, except w/Robertson head screws
70615-NC	.300 - .655 (7.6-16.6)	Connector, black/white nylon
70615-NCC	.300 - .655 (7.6-16.6)	Same as above, except w/Robertson head screws

EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
70615-MB	Male base, nylon cup, clamp-type back wiring
70615-ER	Female equipment receptacle, nylon cup, clamp-type back wiring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① See Sections L & M for more information on plates.
② See page H-12 for information on boots.
See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

*** Reinforced Thermoplastic Polyester**

BRYANT

NEMA L7-15

TECH-SPEC®

2 Pole 3 Wire Grounding; 15 Amp 277V AC
Locking Devices

4760

NEW! 4750-DR

NEW! 4770-NP

NEW! 4779-NC

4786-MB

4785-ER

Features - Specifications

SINGLE RECEPTACLE
- Impact/chemical-resistant nylon construction
- .050 (1.3) brass yoke
- Oversized #8-32 brass binding screw terminals
- Line/ground contacts one-piece brass construction

DUPLEX RECEPTACLE
- RTP① construction
- Back and side wiring, clamp-type terminals

NYLON PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- TPE dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Nylon construction

SINGLE, DUPLEX AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1
- Verified under Federal Specification WC596 (4760 and 4750-DR)

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

SINGLE AND DUPLEX RECEPTACLES②

CATALOG NUMBER	DESCRIPTION
4760	Single, black nylon, back and side wired
4761	Cat No. 4760 on 4" (101.6) round metal box cover
4750-DR	Duplex, brown RTP①, back and side wired

ATTACHMENT PLUGS③

CATALOG NUMBER	CORD DIA.	DESCRIPTION
4770-NP	.300-.655 (7.6-16.6)	Black/white nylon, clamp-type terminals, Triple-Gripper cord grip
4773	.296-.625 (7.5-15.9)	Black phenolic, clamp-type terminals, dead front

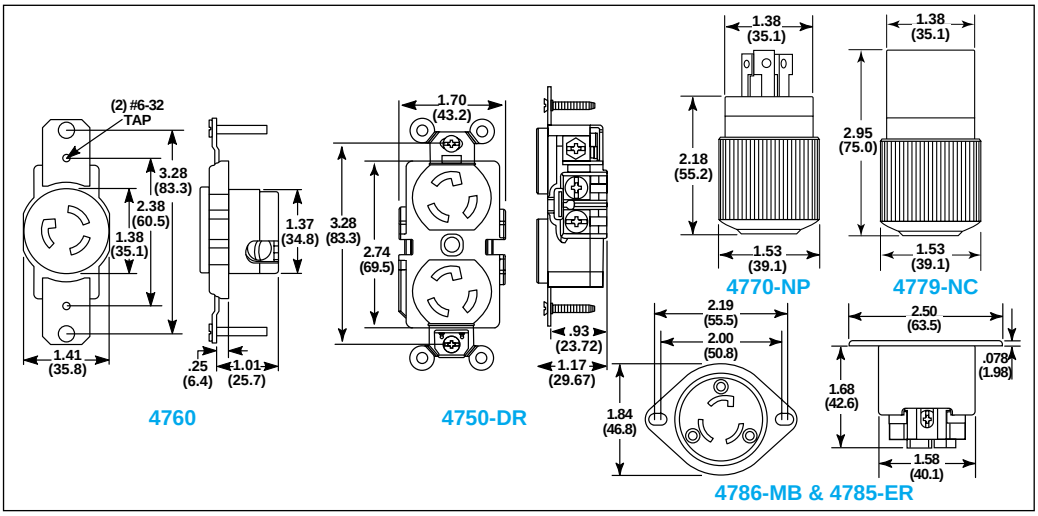
CONNECTOR

CATALOG NUMBER	CORD DIA.	DESCRIPTION
4779-NC	.300-.655 (7.6-16.6)	Black/white nylon, clamp-type terminals, Triple-Gripper cord grip
4784④	.296-.625 (7.5-15.9)	Black phenolic, clamp-type terminals, dead front

EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
4786-MB	Male base, nylon cup, clamp-type back wiring
4785-ER	Female equipment receptacle, nylon cup, clamp-type back wiring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① Reinforced Thermoplastic Polyester
② See Section M for complete information on plates.
③ See page H-12 for information on boots.
④ To be discontinued when existing stocks are exhausted. Substitute 4779-NC.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

NEMA L5-20 NEMA L7-20 NEMA L6-20

TECH·SPEC®

2 Pole 3 Wire Grounding; 20 Amp 125V; 20 Amp 250V; 20 Amp 277V AC, Locking Devices

70520-FR

NEW! 70520-NP

NEW! 70520-NC

70520-MB

70520-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel plated to resist corrosion

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6, UL 498 and Federal Specification WC596 where applicable. See page O-1 for complete listing.
- NOM
- CE

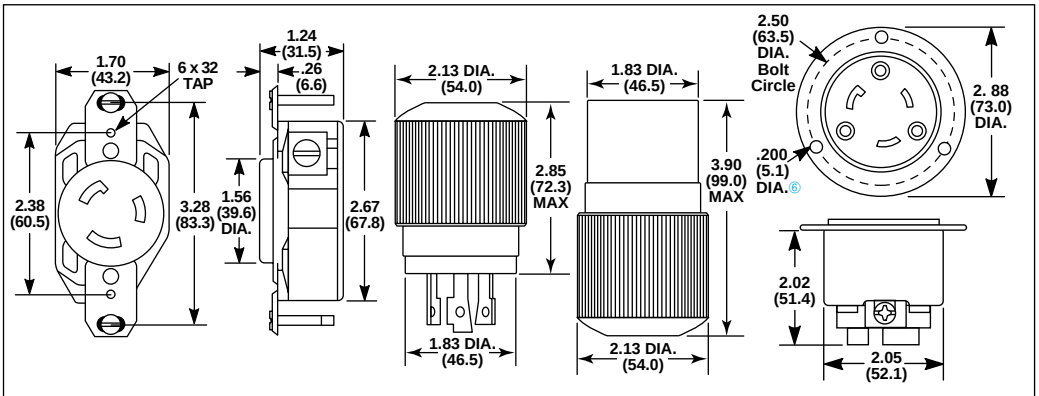
LOCKING DEVICES①

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L5-20 20 AMP 125V	L6-20 20 AMP 250V	L7-20 20 AMP 277VAC		
70520-FR	70620-FR	70720-FR	—	Single flush receptacle, black nylon
70520-FRCR②	—	—	—	Single flush receptacle, yellow nylon, corrosion resistant
70520-IG③	70620-IG③	—	—	Single flush receptacle, orange nylon, isolated ground
70520-NP	70620-NP	70720-NP	.300-.950④	Plug, black/white nylon
70520-NPB	—	—	.300-.950④	Plug, black nylon
70520-NPC	70620-NPC	—	.300-.950④	Same as above w/Robertson screws
70520-NPCR②	70620-NPCR②	—	.300-.950④	Plug, yellow/white nylon, corrosion resistant
70520-NC	70620-NC	70720-NC	.300-.950④	Connector, black/white nylon
70520-NCB	—	—	.300-.950④	Connector, black nylon
70520-NCC	70620-NCC	—	.300-.950④	Same as above w/Robertson screws
70520-NCCR②	70620-NCCR②	—	.300-.950④	Connector, yellow/white nylon, corrosion resistant
70520-MB	70620-MB	70720-MB	—	Male base, white nylon cup
70520-ER	70620-ER	70720-ER	—	Female equipment receptacle, white nylon cup

INDOOR AND OUTDOOR RECEPTACLE PLATES⑤

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, F. S. box mounting

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① See page H-13 for information on boots.
② See Section H for information on corrosion-resistant devices.
③ See Section F for information on isolated ground devices.
④ .300-.950 (7.6-24.1)
⑤ See Section M for complete information on plates.
⑥ Three holes spaced 120° apart on 2.50 (63.5) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L8-20

NEMA L9-20

TECH·SPEC®

2 Pole 3 Wire Grounding
20 Amp 480V AC; 20 Amp 600V AC, Locking Devices

70820-FR

NEW! 70820-NP

NEW! 70820-NC

70820-MB

70820-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals, accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6, UL 498 and Federal Specification WC596 where applicable. See page O-1 for complete listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER		CORD DIA.	DESCRIPTION
L8-20 20 AMP 480V AC	L9-20 20 AMP 600V AC		
70820-FR	70920-FR	—	Single flush receptacle, black nylon
70820-NP	70920-NP	.300-.950①	Plug, black/white nylon
70820-NPC	70920-NPC	.300-.950①	Same as above except w/Robertson head screws
70820-NC	70920-NC	.300-.950①	Connector, black/white nylon
70820-NCC	70920-NCC	.300-.950①	Same as above except w/Robertson head screws
70820-MB	70920-MB	—	Male base, white nylon cup
70820-ER	70920-ER	—	Female equipment receptacle, white nylon cup

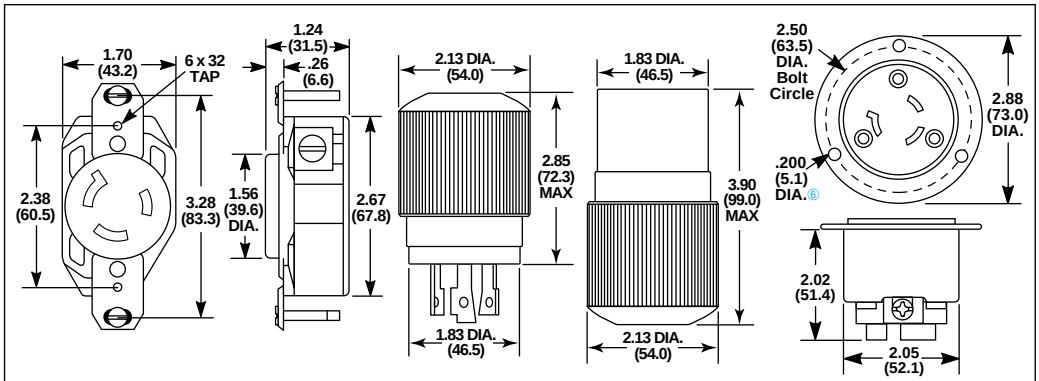
INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, F. S. box mounting

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



70820-FR 70820-NP 70820-NC 70820-MB & 70820-ER

① .300-950 (7.6-24.1)
② See Section M for complete information on plates.
③ See page H-13 for more information on boots.
④ Three holes spaced 120° apart on 2.50 (63.5) diameter bolt circle.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

2 Pole 3 Wire Grounding

20 Amp 125V AC or DC; 10 Amp 250V DC, 480V AC, Power Interrupting Locking Devices

23000-G

23005-G

23002-G

S611

23007

Features - Specifications

- Plug and connector feature insulated, nonmetallic nylon housings
- Spring-loaded shutter on receptacle and connector ejects plug if not properly mated, eliminating teasing of contacts
- Devices are suitable as a disconnecting means under full-rated load
- Receptacle has clamp-type back wired terminals and fits standard single receptacle plates
- Internal cord grip dust seal helps prevent dust and foreign particles from entering the wiring chamber
- Heavy-duty plug and connector cord clamps firmly secure cord jacket and conductors, preventing strain on terminations

PLUG
- UL Listed File #E1381 – Guide #AXUT (23005)
- Note: all G devices listed on this page are not UL Listed and are recommended for replacement use only in existing installations

PLATES
- UL Listed Standard 514

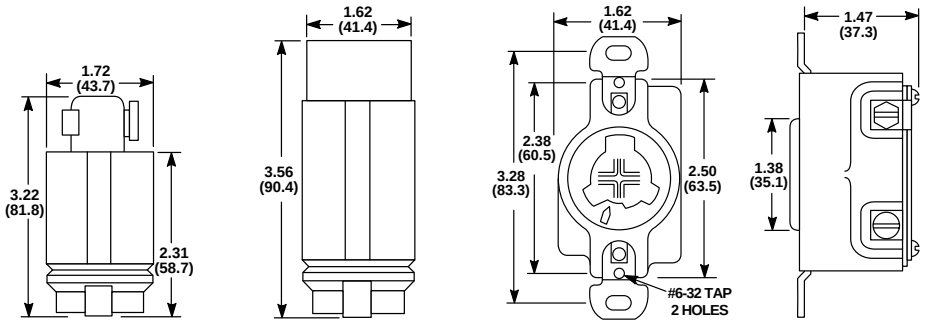
POWER INTERRUPTING LOCKING DEVICES

2P 3W GROUNDING	3P 3W NON-GROUNDING	CORD DIA.	DESCRIPTION
CATALOG NUMBER			
23000-G①	—	—	Single receptacle, black phenolic, back wired
23005-G①	23005	.300-.650 (7.62-16.5)	Plug, black/white nylon, clamp-type terminals
23002-G①	—	.300-.650 (7.62-16.5)	Connector, black/white nylon, clamp-type terminals

RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611	Type 302/304 stainless steel, smooth edge, single gang
S2811	.040 (1.0) brass, smooth edge, single gang
N0111	Black nylon, smooth edge
23007	Cast aluminum, with lift cover, indoor use, box mount
7418-B	Weather-protective cast aluminum, with cover, box mount

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① These devices are not listed by Underwriters' Laboratories, Inc. and are for replacement use only in existing installations.
② See Sections L & M for information on plates.

Specifications are subject to change without notice.

BRYANT

NEMA FSL1

NEMA FSL2

TECH·SPEC®

2 Pole 3 Wire Grounding

30 Amp 28V DC; 30 Amp 400 Hz 120V, Locking Devices

FSL1-FR

NEW! FSL1-NP

NEW! FSL1-NC

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE FLUSH RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6, UL 498 and Federal Specification WC596. See page O-1 for complete listing.
- NOM
- CE

400 Hz LOCKING DEVICES

400 Hertz locking devices have a unique locking configuration that is not interchangeable with existing locking configurations. They have been designed, tested, and approved for use on 400 Hz (400 cycles per second) circuits. This higher frequency (400 Hz) is used in place of the normal 60 Hz in certain military, industrial and aircraft applications. Where power, size and weight are important factors, the application of 400 Hz, in aircraft for example, permits the use of small, powerful electric motors that result in a substantial weight reduction.

NOTE
The National Electrical Code in Article 210-7 (f) requires that "receptacles connected to circuits having different voltages, frequencies or types of current (AC or DC) on the same premises shall be of such design that the attachment plugs used on these circuits are not interchangeable." Thus users of 400 Hz and 60 Hz attachment plugs and receptacles must segregate the frequencies when used on the same premises.

LOCKING DEVICES

CATALOG NUMBER		CORD DIA.	DESCRIPTION
FSL1 30 AMP 28V DC	FSL2 30 AMP 400Hz 120V		
FSL1-FR	FSL2-FR	—	Single flush receptacle, black urea
FSL1-NP	FSL2-NP	.300-.950 (7.6-24.1)	Plug, black/white nylon
FSL1-NC	FSL2-NC	.300-.950 (7.6-24.1)	Connector, black/white nylon

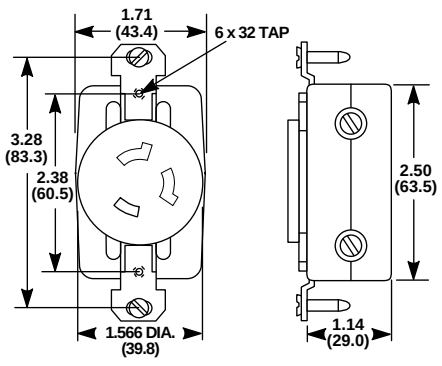
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

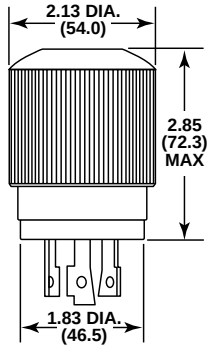
WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

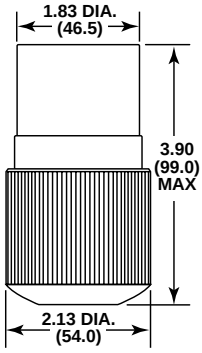
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



FSL1-FR



FSL1-NP



FSL1-NC

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA L5-30 NEMA L6-30 NEMA L7-30

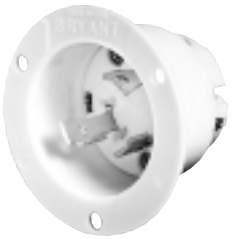
TECH·SPEC®

2 Pole 3 Wire Grounding; 30 Amp 125V; 30 Amp 250V; 30 Amp 277V AC, Locking Devices

70530-FR

NEW! 70530-NP

NEW! 70530-NC



70530-MB

70530-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals, accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6, UL 498 and Federal Specification WC596 where applicable. See page O-1 for complete listing.
- NOM
- CE

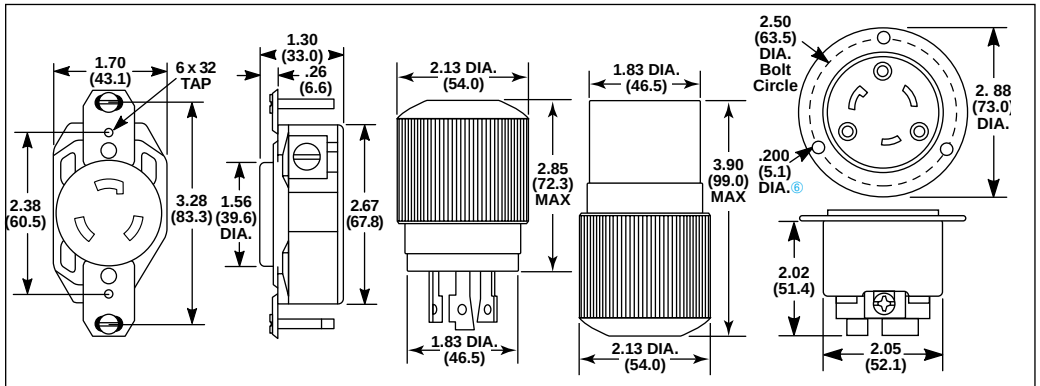
LOCKING DEVICES①

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L5-30 30 AMP 125V	L6-30 30 AMP 250V	L7-30 30 AMP 277VAC		
70530-FR	70630-FR	70730-FR	—	Single flush receptacle, black nylon
70530-FRCR②	—	—	—	Single flush receptacle, yellow nylon, corrosion resistant
70530-IG③	70630-IG③	—	—	Single flush receptacle, orange nylon, isolated ground
70530-NP	70630-NP	70730-NP	.300-.950④	Plug, black/white nylon
70530-NPB	70630-NPB	—	.300-.950④	Plug, black nylon
70530-NPC	70630-NPC	—	.300-.950④	Same as above w/Robertson screws
70530-NPCR②	70630-NPCR②	—	.300-.950④	Plug, yellow/white nylon, corrosion resistant
70530-NC	70630-NC	70730-NC	.300-.950④	Connector, black/white nylon
70530-NCB	70630-NCB	—	.300-.950④	Connector, black nylon
70530-NCC	70630-NCC	—	.300-.950④	Same as above w/Robertson screws
70530-NCCR②	70630-NCCR②	—	.300-.950④	Connector, yellow/white nylon, corrosion resistant
70530-MB	70630-MB	70730-MB	—	Male base, white nylon cup
70530-ER	70630-ER	70730-ER	—	Female equipment receptacle, white nylon cup

INDOOR AND OUTDOOR RECEPTACLE PLATES⑤

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, F.S. box mounting

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



70530-FR 70530-NP 70530-NC 70530-MB & 70530-ER

① See page H-13 for information on boots.
② See Section H for information on corrosion-resistant devices.
③ See Section F for information on isolated ground devices.
④ .300-.950 (7.6-24.1)
⑤ See Sections L & M for complete information on plates.
⑥ Three holes spaced 120° apart on 2.50 (63.5) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L8-30

NEMA L9-30

TECH·SPEC®

2 Pole 3 Wire Grounding; 30 Amp 480V AC; 30 Amp 600V AC, Locking Devices

70830-FR

NEW! 70830-NP

NEW! 70830-NC

70830-MB

70830-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals, accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6, UL 498 and Federal Specification WC596 where applicable. See page O-1 for complete listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER		CORD DIA.	DESCRIPTION
L8-30 30 AMP 480V AC	L9-30 30 AMP 600V AC		
70830-FR	70930-FR	—	Single flush receptacle, black nylon
70830-NP	70930-NP	.300-.950 (7.6-24.1)	Plug, black/white nylon
70830-NC	70930-NC	.300-.950 (7.6-24.1)	Connector, black/white nylon
70830-MB	70930-MB	—	Male base, white nylon cup
70830-ER	70930-ER	—	Female equipment receptacle, white nylon cup

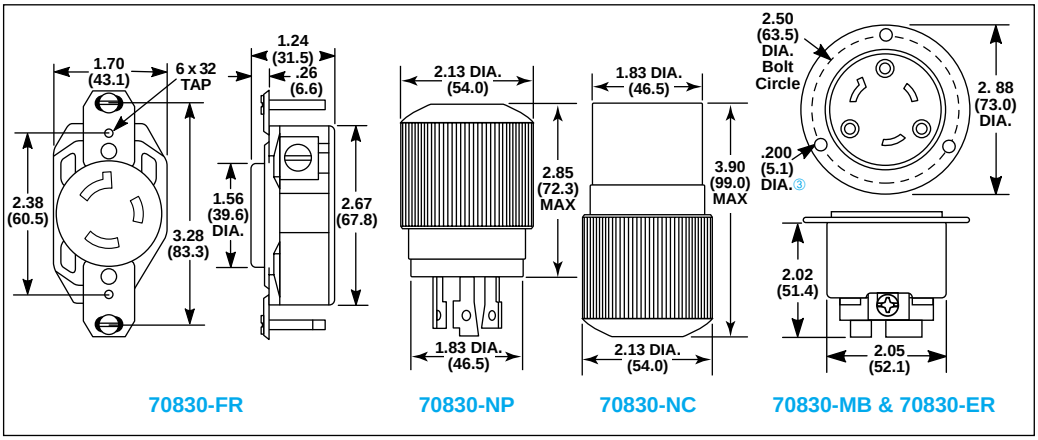
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, F.S. box mounting

WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



70830-FR 70830-NP 70830-NC 70830-MB & 70830-ER

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.
③ Three holes spaced 120° apart on 2.50 (63.5) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

2 Pole 3 Wire Grounding
50 Amp 125V; 50 Amp 250V; 50 Amp 480V AC
Locking Devices

CS8269

7774-CR

CS8265

CS8264

CS8275

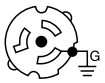
Features - Specifications

PLUG, CONNECTOR
- Impact/chemical-resistant nylon housing
- Stainless steel plug shroud protects blades; helps prevent distortion, minimizing possibility of mismating devices
- Box terminal with Allen-head terminal screws permits a high clamping pressure on conductors without damaging strands Accept #8 through #4 AWG
- Thermoplastic polyester interior provides impact strength and heat resistance
- Housing latch provides secure assembly
- Cord grip seal keeps out moisture and dust

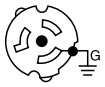
PLUG, CONNECTOR, AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

RECEPTACLE
- Black melamine construction with heavy-duty steel shell
- Clamp-type terminals accept #10 through #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

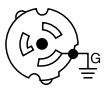
2 POLE 3 WIRE 50 AMP 125V

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS6370	—	Receptacle armored, grounded
	CS6361	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	CS6360	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	CS6377	—	Male base, steel casing

2 POLE 3 WIRE 50 AMP 250V

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8269	—	Receptacle armored, grounded
	CS8265	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	CS8264	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	CS8275	—	Male base, steel casing

2 POLE 3 WIRE 50 AMP 480V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8469	—	Receptacle armored, grounded
	CS8465	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	CS8464	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	CS8475	—	Male base, steel casing

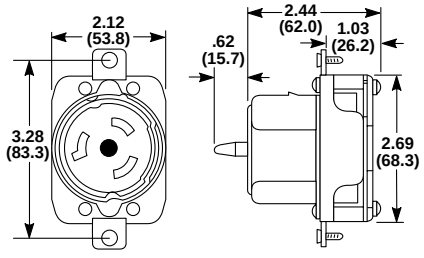
WEATHER PROTECTIVE PLATE①

CATALOG NUMBER	DESCRIPTION
7774-CR	Plate, weather protective, yellow fiberglass, with lift cover

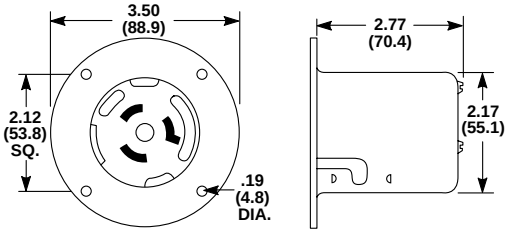
WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER	DESCRIPTION
7716-B	Black elastomer weather protective boot for plugs when used in a cord set, and connectors when used with flanged inlets
7717-B	Black elastomer weather protective boot for connectors when used in a cord set

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



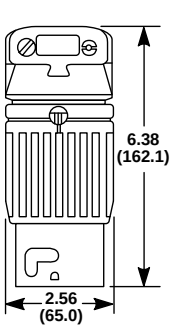
CS8269



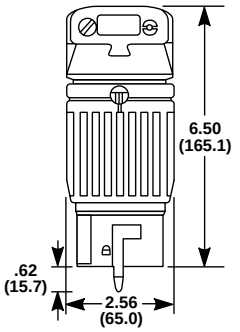
CS8275

WEATHER PROTECTIVE BOOTS

7716-B 7717-B



CS8265



CS8264

①See page L-1 for information on plates.
②See page H-13 for more information on boots.
Specifications are subject to change without notice.

BRYANT

2 Pole 3 Wire Grounding
50 Amp 125V; 50 Amp 250V; 50 Amp 480V AC
Locking Devices

CS8269-N

7774-CR

CS8265-N

CS8264-N

CS8275-N

Features - Specifications

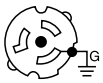
PLUG, CONNECTOR, MALE BASE

- Impact and chemical-resistant nylon construction
- Stainless steel plug shroud has rigid vinyl protective shell
- Neoprene cord gasket on plugs and connectors seals out moisture and dust
- Clamp-type terminals with individual wire pockets accept #10 thru #4 AWG
- Amperage and voltage ratings hot-stamped on face of device for easy identification
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

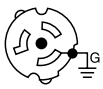
RECEPTACLE

- Impact and chemical-resistant nylon construction
- Heavy-duty brass mounting strap and ground system provide a low resistance ground path and resistance to corrosion
- Clamp-type terminals accept #10 thru #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

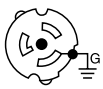
2 POLE 3 WIRE 50 AMP 125V

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS6370-N	—	Nylon receptacle, grounded
	CS6361-N	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	CS6360-N	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	CS6377-N	—	Nylon male base

2 POLE 3 WIRE 50 AMP 250V

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8269-N	—	Nylon receptacle, grounded
	CS8265-N	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	CS8264-N	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	CS8275-N	—	Nylon male base

2 POLE 3 WIRE 50 AMP 480V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8469-N	—	Nylon receptacle, grounded
	CS8465-N	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	CS8464-N	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	CS8475-N	—	Nylon male base

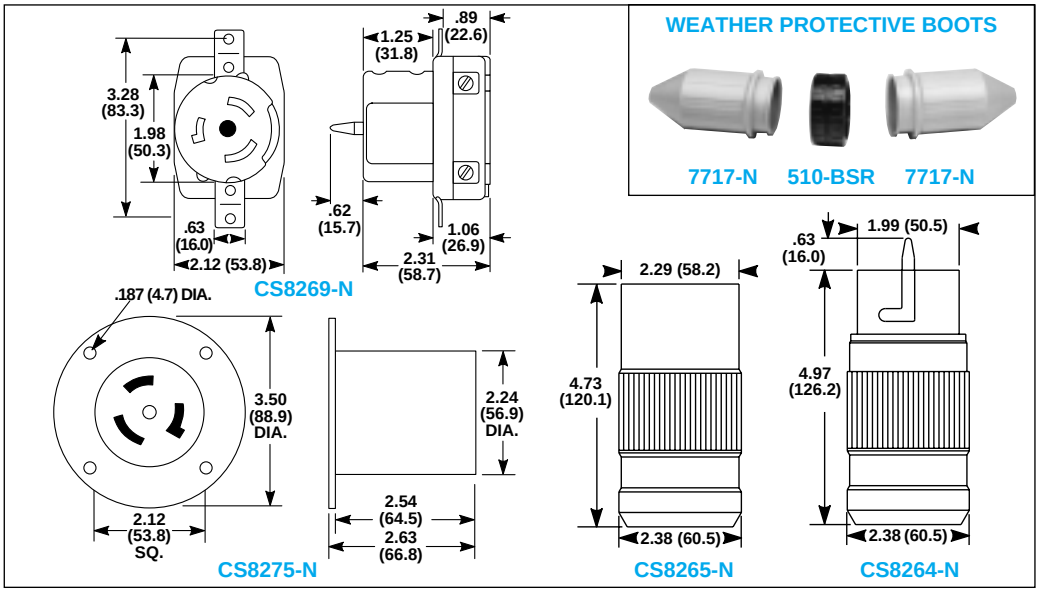
WEATHER PROTECTIVE PLATE①

CATALOG NUMBER	DESCRIPTION
7774-CR	Plate, weather protective, yellow fiberglass, with lift cover

WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER	DESCRIPTION
7717-N	Boot fits both plug and connector, yellow vinyl-based compound
510-BSR	Sealing ring, seals plug and connector boots

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



①See page L-1 for information on plates.
②See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

2 Pole 3 Wire Grounding
50 Amp 250V DC; 50 Amp 600V AC
Locking Devices

3771

7382

3763

3762

3767

Features - Specifications

PLUG, CONNECTOR

- Impact/chemical-resistant nylon housing
- Stainless steel plug shroud protects blades; helps prevent distortion, minimizing possibility of mismating devices
- Box terminal with Allen-head terminal screws permits a high clamping pressure on conductors without damaging strands. Accepts #8 through #4 AWG
- Thermoplastic polyester interior provides impact strength and heat resistance
- Housing latch provides secure assembly
- Cord grip seal keeps out moisture and dust

PLUG, CONNECTOR, AND MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

RECEPTACLE

- Black melamine construction with heavy-duty steel shell
- Clamp-type terminals accept #10 through #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

RECEPTACLE AND PLATES①

CATALOG NUMBER	DESCRIPTION
3771②	Receptacle armored, grounded
7382	Plate, cast aluminum, with lift cover
7383	Plate, cast aluminum, without lift cover
7774-CR	Plate, weather protective, yellow fiberglass, with lift cover
7770	Plate, weather protective, cast aluminum, with lift cover

ATTACHMENT PLUG

CATALOG NUMBER	CORD DIA.	DESCRIPTION
3763②	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip

CONNECTOR

CATALOG NUMBER	CORD DIA.	DESCRIPTION
3762②	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip

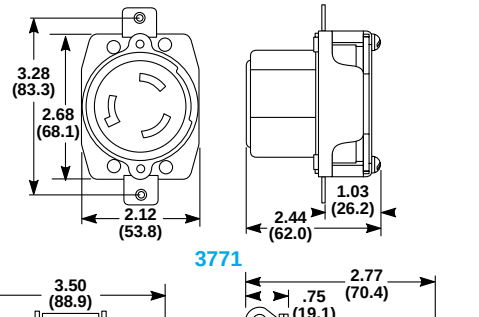
MALE BASE

CATALOG NUMBER	DESCRIPTION
3767②	Male base, steel casing, with lift cover and gasket

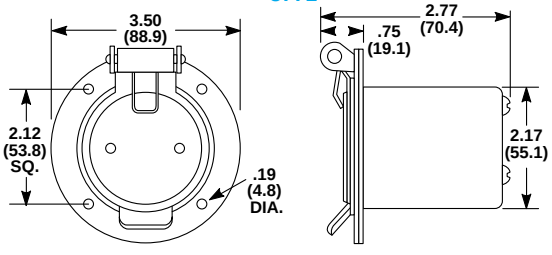
WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER	DESCRIPTION
7716-B	Black elastomer weather protective boot for plugs when used in a cord set, and connectors when used with flanged inlets
7717-B	Black elastomer weather protective boot for connectors when used in a cord set

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



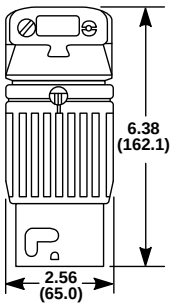
3771



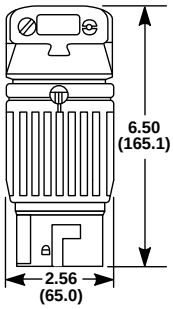
3767

WEATHER PROTECTIVE BOOTS

7716-B 7717-B



3763



3762

① See page L-1 for information on plates.
② These devices are not interchangeable with other 50 amp configurations listed in this catalog.
③ See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

2 Pole 3 Wire Grounding
50 Amp 250V DC; 50 Amp 600V AC
Locking Devices

3771

7382

3763-N

3762-N

3777-N

Features - Specifications

PLUG, CONNECTOR, MALE BASE

- Impact and chemical-resistant nylon construction
- Stainless steel plug shroud has rigid vinyl protective shell
- Neoprene cord gasket on plugs and connectors seals out moisture and dust
- Clamp-type terminals with individual wire pockets accept #10 thru #4 AWG
- Amperage and voltage ratings hot-stamped on face of device for easy identification
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

RECEPTACLE

- Black melamine construction with heavy-duty steel shell
- Clamp-type terminals accept #10 thru #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

RECEPTACLE AND PLATES①

CATALOG NUMBER	DESCRIPTION
3771②	Receptacle, armored, grounded
7382	Plate, cast aluminum with lift cover
7383	Plate, cast aluminum without lift cover
7774-CR	Plate, weather-protective, yellow fiberglass, with lift cover
7770	Plate, weather-protective, cast aluminum, with lift cover

ATTACHMENT PLUG

CATALOG NUMBER	CORD DIA.	DESCRIPTION
3763-N②	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip

CONNECTOR

CATALOG NUMBER	CORD DIA.	DESCRIPTION
3762-N②	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip

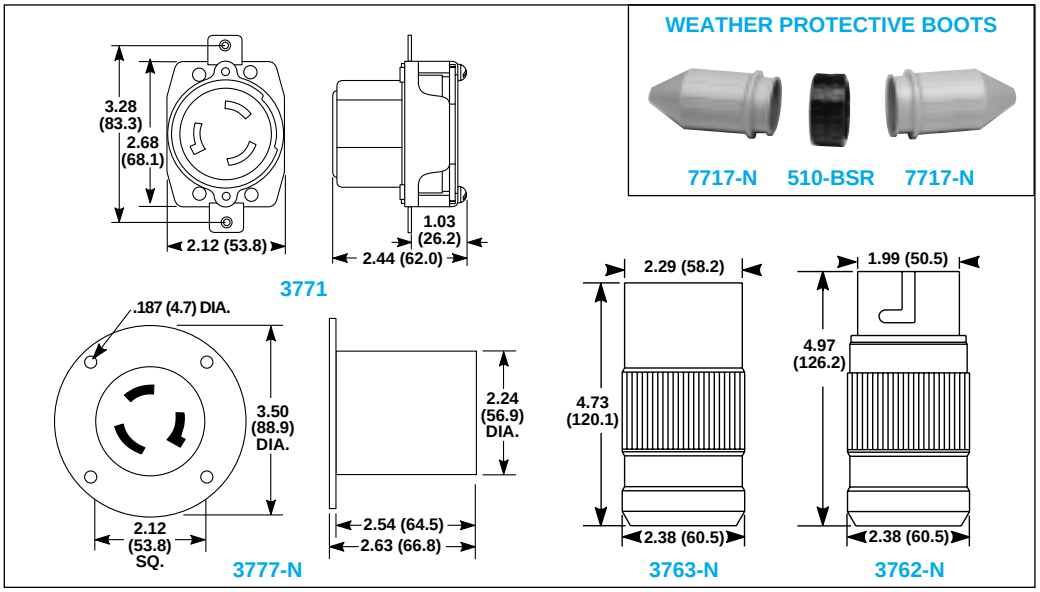
MALE BASE

CATALOG NUMBER	DESCRIPTION
3777-N②	Nylon male base

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER	DESCRIPTION
7717-N	Boot fits both plug and connector, yellow vinyl-based compound
510-BSR	Sealing ring, seals plug and connector boots

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



①See pages L-1 and H-15 for information on plates.
②These devices are not interchangeable with other 50 amp configurations listed in this catalog.
③See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA ML-3

3 Pole 3 Wire
15 Amp 125/250V
Midget Locking Devices

7485-NP

7484-NC

7486-MB

7487-ER

Features - Specifications

PLUG AND CONNECTOR

- Impact/chemical-resistant nylon construction
- Nonmetallic Quad-Gripper cord grip
- Captive terminal screws are color-coded for easy identification
- Dead front construction
- Individual wire pockets, clamp-type terminals
- Strip gauge for accurate wiring
- Captive assembly screws
- Ribbed nylon exterior provides firm grip
- Device is keyed for proper assembly

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE

- Individual wire pockets, clamp-type terminals
- Nylon construction
- Strip gauge for accurate wiring
- Captive terminal screws are color-coded for easy identification

PLUG, CONNECTOR AND MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

FEMALE EQUIPMENT RECEPTACLE

- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES

- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

MIDGET LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
7485-NP	.281-.625 (7.1-15.9)	Plug, black/white nylon
7484-NC	.281-.625 (7.1-15.9)	Connector, black/white nylon
7486-MB	—	Male equipment base, white nylon cup
7487-ER	—	Female equipment receptacle, white nylon cup

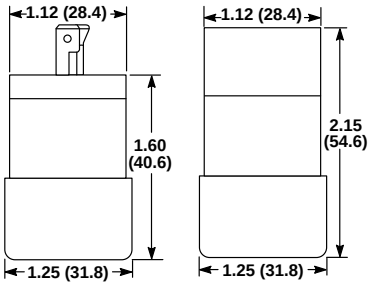
WEATHER PROTECTIVE BOOT①

CATALOG NUMBER	DESCRIPTION
7400-BCR	Yellow neoprene boot for use on both 7485-NP and 7484-NC

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

WEATHER PROTECTIVE BOOTS

7400-BCR



7485-NP 7484-NC 7486-MB & 7487-ER

① See page H-12 for more information on boots.

Specifications are subject to change without notice.

BRYANT

3P/3W NON-GROUNDING

2P/3W GROUNDING

TECH·SPEC®

3 Pole 3 Wire; 10 Amp 250V; 15 Amp 125V

Locking Devices

7582

NEW! 7580-DR

NEW! 7568-NP

NEW! 7565-NC

7556-MB

7557-ER

Features - Specifications

SINGLE RECEPTACLE
- Impact/chemical-resistant nylon construction
- .050 (1.3) brass yoke
- Oversized #8-32 brass binding screw terminals
- Line/ground contacts one-piece brass construction

DUPLEX RECEPTACLE
- RTP① construction
- Back and side wiring, clamp-type terminals

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Nylon construction

NOTE
Wiring devices on this page are no longer listed by Underwriters' Laboratories, Inc., and are intended for replacement use only in existing installations. We recommend that they not be used in new installations. These devices formerly complied with UL Standards, however, due to revisions of these Standards the devices can no longer be listed.
For new installations, refer to the NEMA configuration chart on page G-3 for the products suited for your particular current and voltage requirements.

SINGLE AND DUPLEX RECEPTACLES

CATALOG NUMBER		DESCRIPTION
NON-GROUNDING②	GROUNDING②	
7582	7582-G	Single, black nylon, back and side wired
7580-DR	7580-G	Duplex, black RTP①, back and side wired

SINGLE GANG RECEPTACLE PLATES③

CATALOG NUMBER		DESCRIPTION
SINGLE	DUPLEX	
S611	S601	Type 302/304 stainless steel, smooth edge
S2811	S2801	.040 (1.0) solid brass, smooth edge
N0111	—	Black nylon, smooth edge
7418-B	4510-B	Die cast aluminum, with cover, F.S. box mounting

PLUGS AND CONNECTORS

CATALOG NO., NON-GROUNDING②		CORD DIA.	DESCRIPTION
PLUG	CONNECTOR		
7568-NP	7565-NC	.300-.655 (7.6-16.6)	Black/white nylon
7568-NPCR	7565-NCCR	.300-.655 (7.6-16.6)	Yellow/white nylon, corrosion-resistant
7568-NSY④	7565-NSY④	.325-.705 (8.3-17.9)	Sentinel yellow nylon

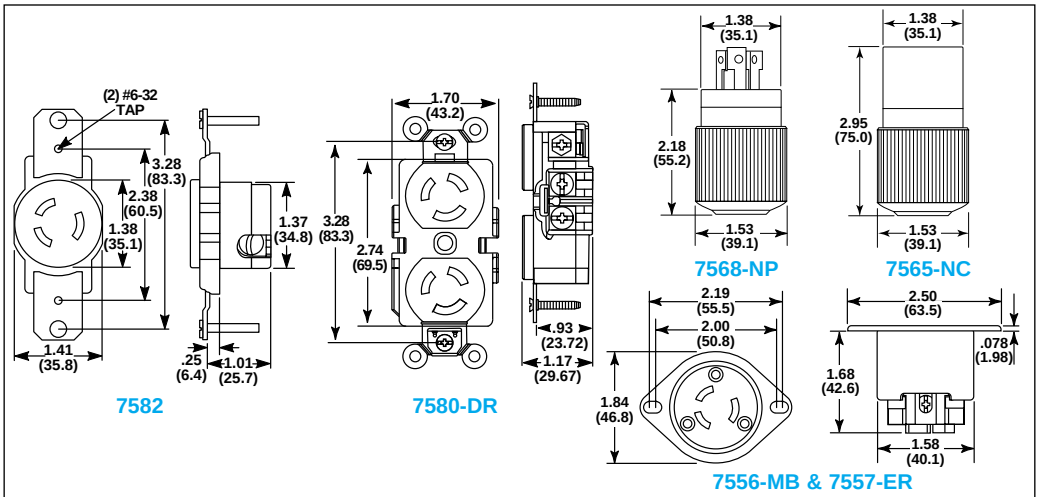
EQUIPMENT DEVICES②

CATALOG NO., NON-GROUNDING②	DESCRIPTION
7556-MB	Male equipment base, white nylon cup
7557-ER	Female equipment receptacle, white nylon cup

WEATHER PROTECTIVE BOOTS⑤

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	Thermoplastic elastomer
5200-BPB	5200-BP	Boot for use with plug
5200-BCB	5200-BC	Boot for use with connector
5200-BSRB	5200-BSR	Sealing ring for use with 5200 series connector boot

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① Reinforced Thermoplastic Polyester
② Not listed by Underwriters' Laboratories, Inc. For replacement use only.
③ See Sections L & M for complete information on plates.
④ To be discontinued when existing stocks are exhausted. Substitute 7568-NPCR and 7565-NCCR.
⑤ See page H-12 for complete information on boots.

Specifications are subject to change without notice.

BRYANT

3P/3W NON-GROUNDING

2P/3W GROUNDING

3 Pole 3 Wire; 20 Amp 125/250V
2 Pole 3 Wire Grounding; 20 Amp 250V
Locking Devices

7310

9965

7314

7327

7328

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Nylon construction

PLUGS AND CONNECTORS
- Impact/chemical-resistant nylon construction
- Individual wire pockets, clamp-type terminals

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

NOTE RATING CHANGE
All devices listed on this page are intended for replacement use only in existing installations. We recommend that they not be used in new installations. Both standard and Suffix "G" devices were formerly dual rated 20 amp 250V AC or DC, 10 amp 600V AC. Suffix "G" devices are intended for equipment grounding applications and formerly complied with UL Standards. However, due to revisions of these Standards, Suffix "G" devices are no longer UL Listed and the rating of non-grounding devices has been changed to 20 amp 125/250V.

For new installations, refer to the NEMA configuration chart on page G-3 for the products suited for your particular current and voltage requirements.

CAUTION: To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device. (See NEC Article 210-7F.)

SINGLE RECEPTACLE

CATALOG NUMBER		DESCRIPTION
NON-GROUNDING	GROUNDING①	
7310	7310-G	Single, black urea

SINGLE GANG RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611	Type 302/304 stainless steel, smooth edge
S2811	.040 (1.0) solid brass, smooth edge
N0111	Black nylon, smooth edge
7418-B	Die cast aluminum, with cover, F.S. box mounting

PLUGS AND CONNECTORS

CATALOG NUMBER		CORD DIA.	DESCRIPTION
NON-GROUNDING			
PLUG	CONNECTOR		
9965	7314	.375-1.000 (9.5-25.4)	Black/white nylon
9965-NB	7314-NB	.375-1.000 (9.5-25.4)	Black nylon
9965-NSY	7314-NSY	.375-1.000 (9.5-25.4)	Sentinel yellow nylon

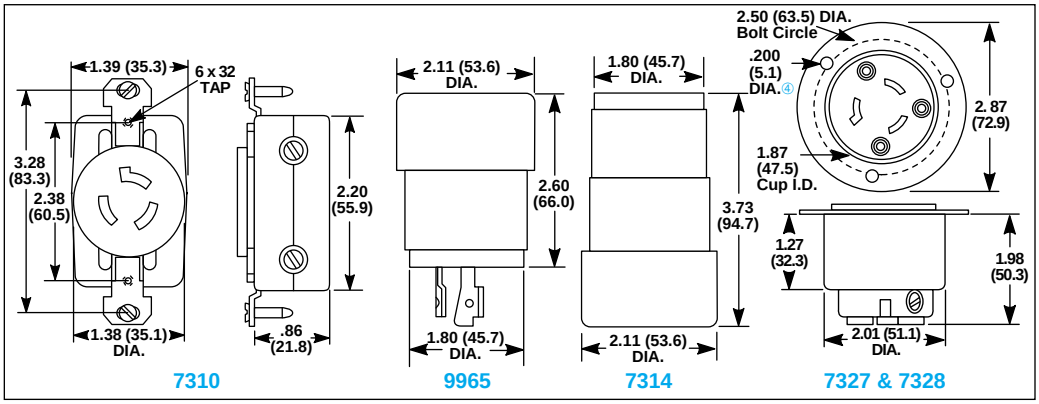
EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
NON-GROUNDING	
7327	Male equipment base, white nylon cup
7328	Female equipment receptacle, white nylon cup

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① Not listed by Underwriters' Laboratories, Inc. For replacement use only.
② See Sections L & M for information on plates.
③ See page H-13 for information on boots.
④ Three holes spaced 120° apart on 2.50 (63.5) dia. bolt circle.

Specifications are subject to change without notice.

BRYANT

NEMA L10-20
NEMA L11-20
NEMA L12-20

TECH·SPEC®

3 Pole 3 Wire; 20 Amp 125/250V; 20 Amp 250V 3Ø; 20 Amp 480V 3Ø, Locking Devices

71020-FR

NEW! 71020-NP

NEW! 71020-NC

71020-MB

71020-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke
- Strip gauge for accurate wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498. See page O-1 for Federal Specification listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L10-20 20 AMP 125/250V	L11-20 20 AMP 250V 3Ø	L12-20 20 AMP 480V 3Ø		
71020-FR	71120-FR	71220-FR	—	Single flush receptacle, black urea
71020-NP	71120-NP	71220-NP	.300-.950①	Plug, black/white nylon
71020-NC	71120-NC	71220-NC	.300-.950①	Connector, black/white nylon
71020-MB	71120-MB	71220-MB	—	Male base, white nylon cup
71020-ER	71120-ER	71220-ER	—	Female equipment receptacle, white nylon cup

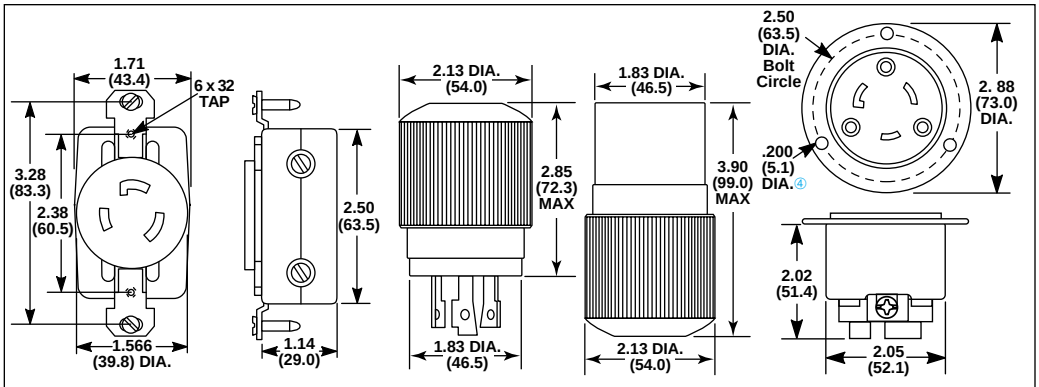
INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71020-FR | 71020-NP | 71020-NC | 71020-MB & 71020-ER

① .300-.950 (7.6-24.1)
② See Sections L & M for complete information on plates.
③ See page H-13 for more information on boots.
④ Three holes spaced 120° apart on 2.50 (63.5) diameter bolt circle.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

3P/3W NON-GROUNDING

2P/3W GROUNDING

TECH·SPEC®

3 Pole 3 Wire; 30 Amp 125/250V
2 Pole 3 Wire Grounding; 30 Amp 250V, Locking Devices

3330

NEW! 3331

NEW! 3333

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke
- Strip gauge for accurate wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal “self-centering” Triple-Gripper cord grip with “radius teeth” design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- NOM
- CE

NOTE RATING CHANGE

Effective July 1, 1981, the ratings of devices listed on this page were changed from 30 amp 250V to 30 amp 125/250V in order to comply with Underwriters’ Laboratories requirements. Note that although the voltage rating has changed, the configuration will remain the same. Suffix “G” devices are intended for equipment grounding applications and formerly complied with UL Standards. However, due to revisions of these Standards, suffix “G” devices are no longer UL Listed. Devices listed on this page are intended for replacement use only. For new installations, refer to the NEMA configuration chart on page G-3 for your particular current and voltage requirements.

CAUTION: To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device. (See NEC Article 210-7F.)

RECEPTACLES

CATALOG NUMBER		DESCRIPTION
NON-GROUNDING	GROUNDING①	
3330	3330-G	Single receptacle, black urea

INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

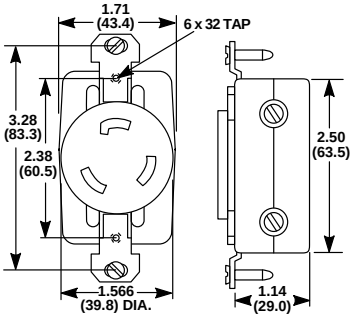
PLUGS AND CONNECTORS

CATALOG NUMBER	CORD DIA.	DESCRIPTION
NON-GROUNDING		
3331	.300-.950 (7.6-24.1)	Plug, black/white nylon
3333	.300-.950 (7.6-24.1)	Connector, black/white nylon

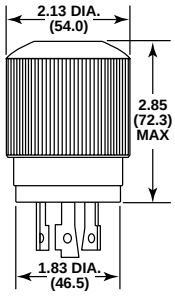
WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

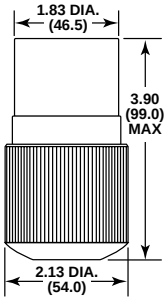
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



3330



3331



3333

① Suffix G devices are not UL Listed or CSA Certified. All devices are recommended for replacement use only.
② See Sections L & M for more information on plates.
③ See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA L10-30

NEMA L11-30

TECH·SPEC®

3 Pole 3 Wire; 30 Amp 125/250V; 30 Amp 250V 3Ø Locking Devices

71030-FR

NEW! 71030-NP

NEW! 71030-NC

71030-MB

71030-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke
- Strip gauge for accurate wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Triple-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER		CORD DIA.	DESCRIPTION
L10-30 30 AMP 125/250V	L11-30 30 AMP 250V 3Ø		
71030-FR	71130-FR	—	Single flush receptacle, black urea
71030-NP	71130-NP	.300-.950 (7.6-24.1)	Plug, black/white nylon
71030-NC	71130-NC	.300-.950 (7.6-24.1)	Connector, black/white nylon
71030-MB	71130-MB	—	Male base, white nylon cup
71030-ER	71130-ER	—	Female equipment receptacle, white nylon cup

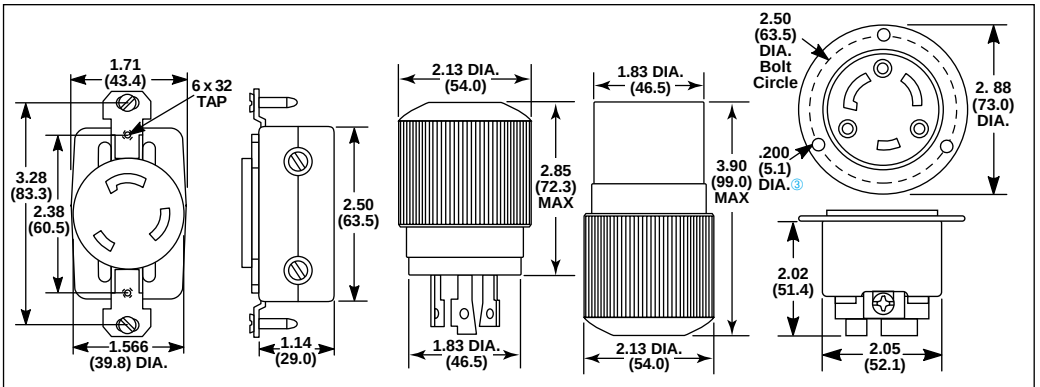
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71030-FR | 71030-NP | 71030-NC | 71030-MB & 71030-ER

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.
③ Three holes spaced 120° apart on 2.50 (63.5) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L12-30

NEMA L13-30

3 Pole 3 Wire
30 Amp 480V 3Ø; 30 Amp 600V 3Ø
Locking Devices

71230-FR

NEW! 71230-NP

NEW! 71230-NC

71230-MB

71230-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke
- Strip gauge for accurate wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal “self centering” Triple-Gripper cord grip with “radius teeth” design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended “tear-drop” wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER		CORD DIA.	DESCRIPTION
L12-30 30 AMP 480V 3Ø	L13-30 30 AMP 600V 3Ø		
71230-FR	71330-FR	—	Single flush receptacle, black urea
71230-NP	71330-NP	.300-.950 (7.6-24.1)	Plug, black/white nylon
71230-NC	71330-NC	.300-.950 (7.6-24.1)	Connector, black/white nylon
71230-MB	71330-MB	—	Male base, white nylon cup
71230-ER	71330-ER	—	Female equipment receptacle, white nylon cup

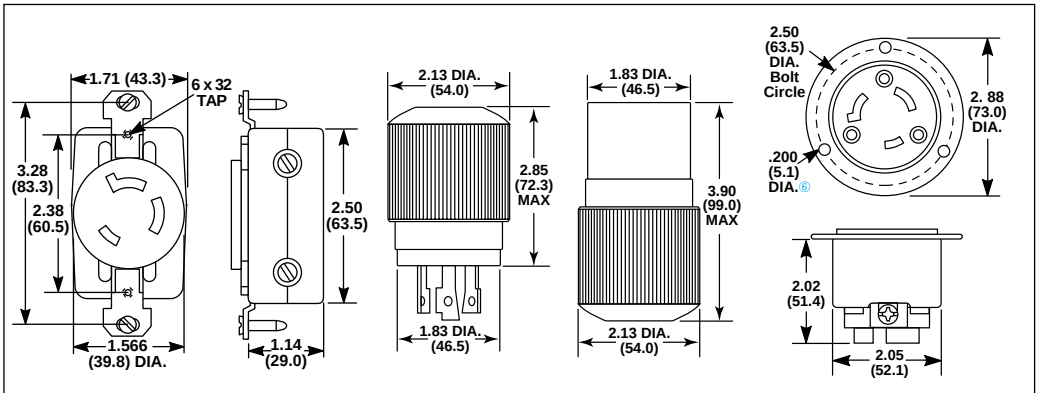
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71230-FR | 71230-NP | 71230-NC | 71230-MB & 71230-ER

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.
③ Three holes spaced 120˚ apart on 2.50 (63.5) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA FSL3

TECH·SPEC®

3 Pole 4 Wire Grounding

30 Amp 400 Hertz; 3Ø∆ 120V, Locking Devices

FSL3-FR

NEW! FSL3-NP

NEW! FSL3-NC

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE FLUSH RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6, UL 498 and Federal Specification WC596. See page O-1 for complete listing.
- NOM
- CE

400 Hz LOCKING DEVICES

400 Hertz locking devices have a unique locking configuration that is not interchangeable with existing locking configurations. They have been designed, tested, and approved for use on 400 Hz (400 cycles per second) circuits. This higher frequency (400 Hz) is used in place of the normal 60 Hz in certain military, industrial and aircraft applications. Where power, size and weight are important factors, the application of 400 Hz, in aircraft for example, permits the use of small, powerful electric motors that result in a substantial weight reduction.

NOTE

The National Electrical Code in Article 210-7 (f) requires that "receptacles connected to circuits having different voltages, frequencies or types of current (AC or DC) on the same premises shall be of such design that the attachment plugs used on these circuits are not interchangeable." Thus users of 400 Hz and 60 Hz attachment plugs and receptacles must segregate the frequencies when used on the same premises.

LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
FSL3-FR	—	Single flush receptacle, black urea
FSL3-NP	.465 - 1.150 (11.9-29.5)	Plug, black/white nylon
FSL3-NC	.465 - 1.150 (11.9-29.5)	Connector, black/white nylon

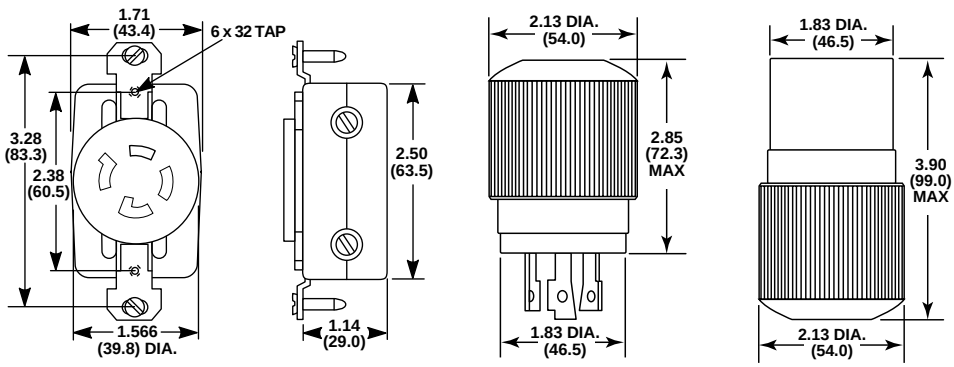
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



FSL3-FR FSL3-NP FSL3-NC

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA L14-20
NEMA L15-20
NEMA L16-20

TECH·SPEC®

3 Pole 4 Wire Grounding; 20 Amp 125/250V; 20 Amp 250V 3Ø; 20 Amp 480V 3Ø; Locking Devices

71520-FR

NEW! 71520-NP

NEW! 71520-NC

71520-MB

71520-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self-centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498. See page O-1 for Federal Specification Listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L14-20 20 AMP 125/250V	L15-20 20 AMP 250V 3Ø	L16-20 20 AMP 480V 3Ø		
71420-FR	71520-FR	71620-FR	—	Single flush receptacle, black nylon
71420-IG	71520-IG①	71620-IG①	—	Single flush receptacle, orange nylon, isolated ground
71420-NP	71520-NP	71620-NP	.465-1.150②	Plug, black/white nylon
71420-NPC	71520-NPC	71620-NPC	.465-1.150②	Same as above except w/Robertson head screws
71420-NC	71520-NC	71620-NC	.465-1.150②	Connector, black/white nylon
71420-NCC	71520-NCC	71620-NCC	.465-1.150②	Same as above except w/Robertson head screws
71420-MB	71520-MB	71620-MB	—	Male base, white nylon cup
71420-ER	71520-ER	71620-ER	—	Female equipment receptacle, white nylon cup

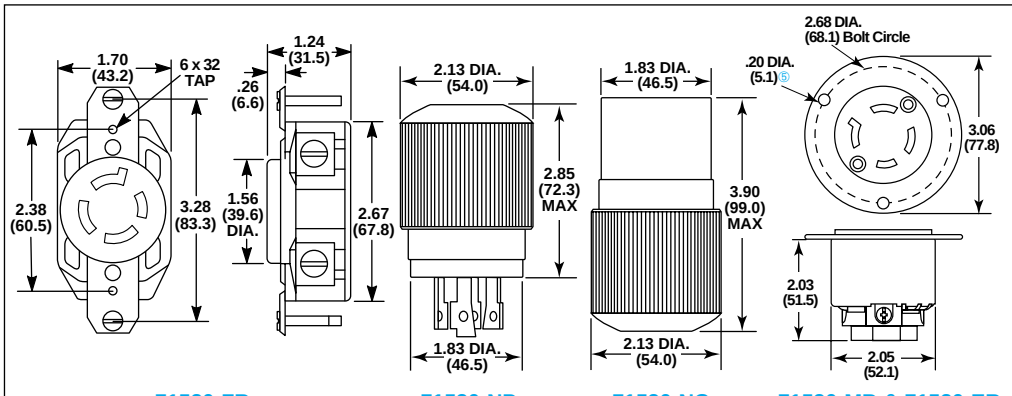
INDOOR AND OUTDOOR RECEPTACLE PLATES③

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS④

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71520-FR 71520-NP 71520-NC 71520-MB & 71520-ER

① To be discontinued when existing stocks are exhausted.
② .465-1.150 (11.8-29.2)
③ See Sections L & M for complete information on plates.
④ See page H-13 for more information on boots.
⑤ Three holes spaced 120˚ apart on 2.68 (68.1) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L14-30

NEMA L15-30

TECH·SPEC®

3 Pole 4 Wire Grounding

30 Amp 125/250V; 30 Amp 250V 3Ø, Locking Devices

71530-FR

NEW! 71530-NP

NEW! 71530-NC

71530-MB

71530-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE

- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

PLUG AND CONNECTOR

- Impact/chemical-resistant toughened nylon construction
- Internal "self-centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE

- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG, CONNECTOR AND MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE

- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES

- Comply with NEMA Standards WD-1, WD-6 and UL 498. See page O-1 for Federal Specification Listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER		CORD DIA.	DESCRIPTION
L14-30 30 AMP 125/250V	L15-30 30 AMP 250V 3Ø		
71430-FR	71530-FR	—	Single flush receptacle, black nylon
71430-IG	71530-IG	—	Single flush receptacle, orange nylon, isolated ground
71430-NP	71530-NP	.465-1.150 (11.9-25.9)	Plug, black/white nylon
71430-NPC	71530-NPC	.465-1.150 (11.9-25.9)	Same as above except w/Robertson head screws
71430-NC	71530-NC	.465-1.150 (11.9-25.9)	Connector, black/white nylon
71430-NCC	71530-NCC	.465-1.150 (11.9-25.9)	Same as above except w/Robertson head screws
71430-MB	71530-MB	—	Male base, white nylon cup
71430-ER	71530-ER	—	Female equipment receptacle, white nylon cup

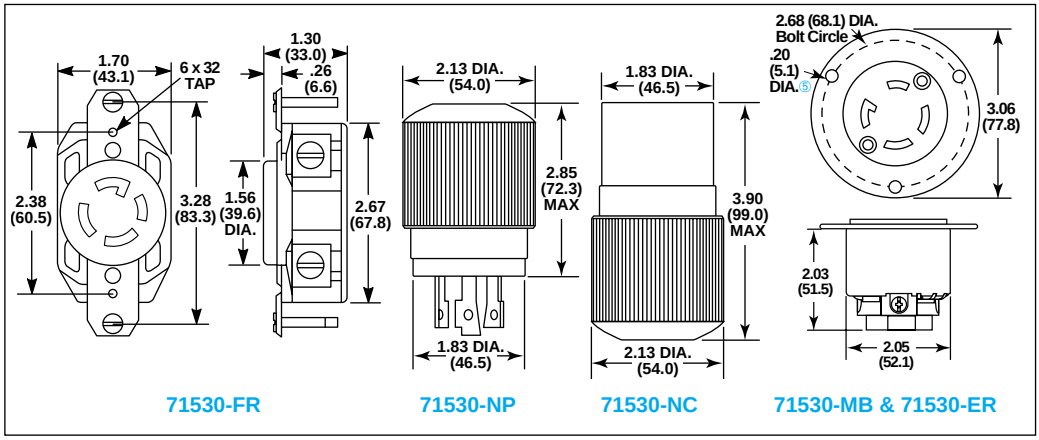
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71530-FR 71530-NP 71530-NC 71530-MB & 71530-ER

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.
③ Three holes spaced 120˚ apart on 2.68 (68.1) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L16-30

NEMA L17-30

TECH·SPEC®

3 Pole 4 Wire Grounding

30 Amp 480V 3Ø; 30 Amp 600V 3Ø, Locking Devices

71630-FR

NEW! 71630-NP

NEW! 71630-NC

71630-MB

71630-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER		CORD DIA.	DESCRIPTION
L16-30 30 AMP 480V 3Ø	L17-30 30 AMP 600V 3Ø		
71630-FR	71730-FR	—	Single flush receptacle, black nylon
71630-IG①	—	—	Single flush receptacle, orange urea, isolated ground
71630-NP	71730-NP	.465-1.150 (11.9-29.5)	Plug, black/white nylon
71630-NPC	71730-NPC	.465-1.150 (11.9-29.5)	Same as above except Robertson/slotted screws
71630-NC	71730-NC	.465-1.150 (11.9-29.5)	Connector, black/white nylon
71630-NCC	71730-NCC	.465-1.150 (11.9-29.5)	Same as above except Robertson/slotted screws
71630-MB	71730-MB	—	Male base, white nylon cup
71630-ER	71730-ER	—	Female equipment receptacle, white nylon cup

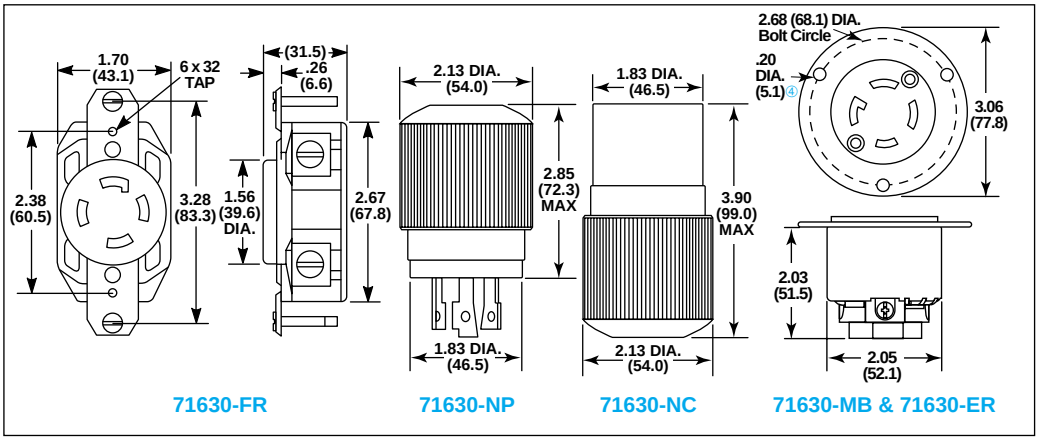
INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71630-FR 71630-NP 71630-NC 71630-MB & 71630-ER

① To be discontinued when existing stocks are exhausted.
② See Sections L & M for complete information on plates.
③ See page H-13 for more information on boots.
④ Three holes spaced 120˚ apart on 2.68 (68.1) diameter bolt circle.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

3 Pole 4 Wire Grounding
30 Amp 600V AC; 20 Amp 250V DC
Power Interrupting Locking Devices

20403

21415

21414

20418

21420 & 21447

Features - Specifications

- Plug and connector feature insulated, impact-resistant nonmetallic nylon housings
- Spring-loaded shutter on receptacle and connector ejects plug if not properly mated, eliminating teasing of contacts
- Devices are suitable as a disconnecting means under full-rated load. Spring-loaded safety shutter snuffs out arcs
- Internal cord grip dust seal helps prevent dust and foreign particles from entering the wiring chamber
- Receptacle has clamp-type, back-wired terminals

RECEPTACLE

- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

PLUG, CONNECTOR AND MALE INLET

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

PLATE

- UL Listed Standard 514

POWER INTERRUPTING LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
20403	—	Flush receptacle, black phenolic
21415	.630 - 1.20 (16.0-30.5)	Plug, black nylon housing with cord grip
21414	.630 - 1.20 (16.0-30.5)	Connector, black nylon housing with cord grip
20418	—	Male flanged inlet, cast aluminum, for F.S., F.D. boxes
21420	—	Female flanged receptacle, cast aluminum, weather protective angle housing tapped for ¾" (19.1) conduit
21447	—	Male flanged inlet, cast aluminum, weather protective angle housing tapped for ¾" (19.1) conduit

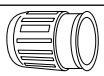
RECEPTACLE PLATES

CATALOG NUMBER		DESCRIPTION
20405		Weather protective plate, cast aluminum for wet locations with cover closed
20406		Cast aluminum, no lift cover

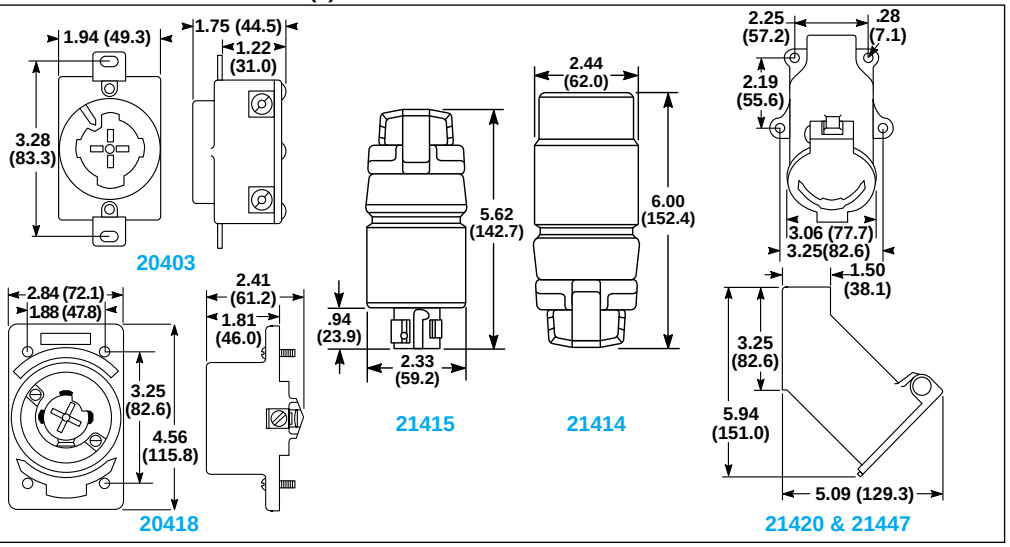
LIQUIDTIGHT METALLIC CONDUIT ADAPTERS

SAB12		For use with plug and connector with ½" (12.7) conduit
SAB34		For use with plug and connector with ¾" (19.1) conduit

"MINI" WEATHER PROTECTIVE BOOTS

20424		Mini boot for use with female connector
20425		Mini boot for use with male plug

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.

BRYANT

3 Pole 4 Wire Grounding
50 Amp 125/250V AC; 50 Amp 250V 3Ø AC; 50 Amp 480V 3Ø AC, Locking Devices

CS6369

7774-CR

CS6365

CS6364

CS6375

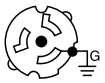
Features - Specifications

PLUG, CONNECTOR
- Impact/chemical-resistant nylon housing
- Stainless steel plug shroud protects blades; helps prevent distortion, minimizing possibility of mismating devices
- Box terminal with Allen-head terminal screws permits a high clamping pressure on conductors without damaging strands Accepts #8 through #4 AWG
- Thermoplastic polyester interior provides impact strength and heat resistance
- Housing latch provides secure assembly
- Cord grip seal keeps out moisture and dust

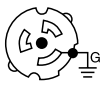
PLUG, CONNECTOR, AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

RECEPTACLE
- Black melamine construction with heavy-duty steel shell
- Clamp-type terminals accept #10 through #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

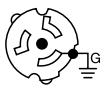
3 POLE 4 WIRE 50 AMP 125/250V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS6369	—	Receptacle armored, grounded
	CS6365	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	CS6364	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	CS6375	—	Male base, steel casing

3 POLE 4 WIRE 50 AMP 250V 3Ø AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8369	—	Receptacle armored, grounded
	CS8365	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	CS8364	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	CS8375	—	Male base, steel casing

3 POLE 4 WIRE 50 AMP 480V 3Ø AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8169	—	Receptacle armored, grounded
	CS8165	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	CS8164	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	CS8175	—	Male base, steel casing

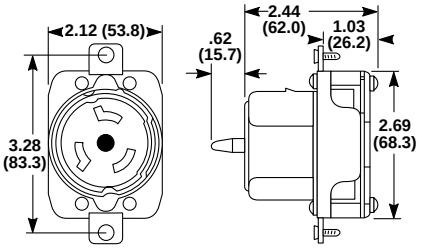
WEATHER PROTECTIVE PLATE①

CATALOG NUMBER	DESCRIPTION
7774-CR	Plate, weather protective, yellow fiberglass, with lift cover

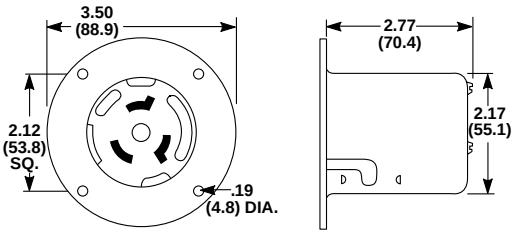
WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER	DESCRIPTION
7716-B	Black elastomer weather protective boot for plugs when used in a cord set, and connectors when used with flanged inlets
7717-B	Black elastomer weather protective boot for connectors when used in a cord set

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



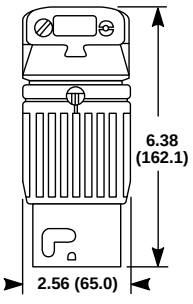
CS6369



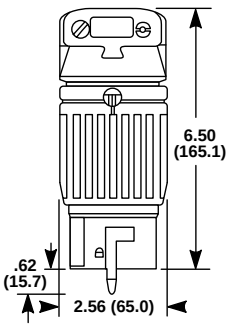
CS6375

WEATHER PROTECTIVE BOOTS

7716-B 7717-B



CS6365



CS6364

①See pages H-15 & L-1 for information on plates.
②See page H-13 for more information on boots.
Specifications are subject to change without notice.

BRYANT

3 Pole 4 Wire Grounding

50 Amp 125/250V AC; 50 Amp 250V 3Ø AC; 50 Amp 480V 3Ø AC Locking Devices

CS6369-N

7774-CR

CS6365-N

CS6364-N

CS6375-N

Features - Specifications

PLUG, CONNECTOR, MALE BASE

- Impact and chemical-resistant nylon construction
- Stainless steel plug shroud has rigid vinyl protective shell
- Neoprene cord gasket on plugs and connectors seals out moisture and dust
- Clamp-type terminals with individual wire pockets accept #10 thru #4 AWG
- Amperage and voltage ratings hot-stamped on face of device for easy identification
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

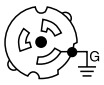
RECEPTACLE

- Impact and chemical-resistant nylon construction
- Heavy-duty brass mounting strap and ground system provide a low resistance ground path and resistance to corrosion
- Clamp-type terminals accept #10 thru #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

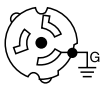
3 POLE 4 WIRE 50 AMP 125/250V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS6369-N	—	Nylon receptacle, grounded
	CS6365-N	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	CS6364-N	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	CS6375-N	—	Nylon male base

3 POLE 4 WIRE 50 AMP 250V 3Ø AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8369-N	—	Nylon receptacle, grounded
	CS8365-N	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	CS8364-N	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	CS8375-N	—	Nylon male base

3 POLE 4 WIRE 50 AMP 480V 3Ø AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	CS8169-N	—	Nylon receptacle, grounded
	CS8165-N	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	CS8164-N	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	CS8175-N	—	Nylon male base

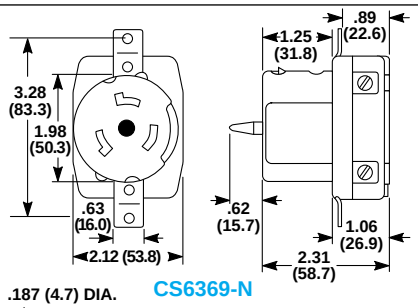
WEATHER PROTECTIVE PLATE①

CATALOG NUMBER	DESCRIPTION
7774-CR	Plate, weather protective, yellow fiberglass, with lift cover

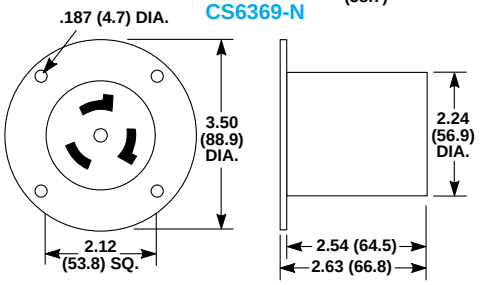
WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER	DESCRIPTION
7717-N	Boot fits both plug and connector, yellow vinyl-based compound
510-BSR	Sealing ring, seals plug and connector boots

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



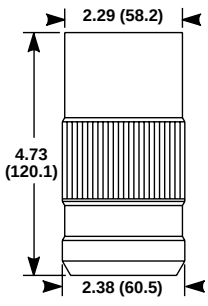
CS6369-N



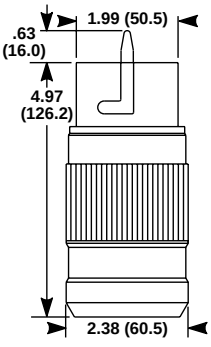
CS6375-N

WEATHER PROTECTIVE BOOTS

7717-N 510-BSR 7717-N



CS6365-N



CS6364-N

①See pages H-15 & L-1 for information on plates.
②See page H-13 for more information on boots.
Specifications are subject to change without notice.

BRYANT

3 Pole 4 Wire Grounding
50 Amp 250V DC; 50 Amp 600V AC
Locking Devices

3769

7383

3765

3764

3768

Features - Specifications

PLUG, CONNECTOR

- Impact/chemical-resistant nylon housing
- Stainless steel plug shroud protects blades; helps prevent distortion, minimizing possibility of mismating devices
- Box terminal with Allen-head terminal screws permits a high clamping pressure on conductors without damaging strands. Accepts #8 through #4 AWG
- Thermoplastic polyester interior provides impact strength and heat resistance
- Housing latch provides secure assembly
- Cord grip seal keeps out moisture and dust

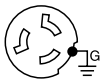
PLUG, CONNECTOR, AND MALE BASE

- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

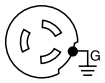
RECEPTACLE

- Black melamine construction with heavy-duty steel shell
- Clamp-type terminals accept #10 through #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

3 POLE 4 WIRE 50 AMP 250V DC; 50A 600V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	3769①	—	Receptacle armored, grounded
	3765①	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	3764①	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	3768①	—	Male base, steel casing, with lift cover and gasket

3 POLE 4 WIRE 50 AMP 250V DC; 50A 600V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	7379②	—	Receptacle armored, grounded
	7765②	.750 - 1.150 (19.1-29.2)	Nylon plug with cord grip
	7764②	.750 - 1.150 (19.1-29.2)	Nylon connector with cord grip
	7968②	—	Male base, steel casing, with lift cover and gasket

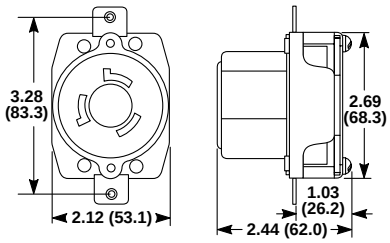
PLATES FOR RECEPTACLES③

CATALOG NUMBER	DESCRIPTION
7382	Plate, cast aluminum, with lift cover
7383	Plate, cast aluminum, without lift cover
7774-CR	Plate, weather-protective, yellow fiberglass, with lift cover
7770	Plate weather-protective, cast aluminum, with lift cover

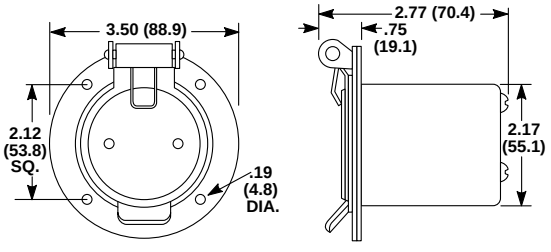
WEATHER PROTECTIVE BOOTS④

CATALOG NUMBER	DESCRIPTION
7716-B	Black elastomer weather protective boot for plugs when used in a cord set, and connectors when used with flanged inlets
7717-B	Black elastomer weather protective boot for connectors when used in a cord set

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



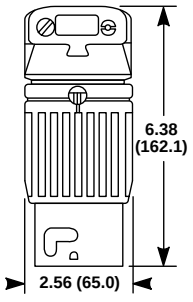
3769



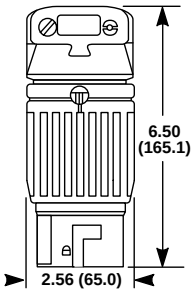
3768

WEATHER PROTECTIVE BOOTS

7716-B 7717-B



3765



3764

① These devices are not interchangeable with other 50 amp configurations listed in this catalog.
② These devices are intended for replacement use only in existing installations. We recommend that they not be used in new installations. See page G-34 for new installations.
③ See pages H-15 & L-1 for information on plates.
④ See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

3 Pole 4 Wire Grounding
50 Amp 250V DC; 50 Amp 600V AC
Locking Devices

3769

7383

3765-N

3764-N

3775-N

Features - Specifications

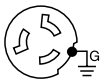
PLUG, CONNECTOR, MALE BASE

- Impact/chemical-resistant nylon construction
- Stainless steel plug shroud has rigid vinyl protective shell
- Neoprene cord gasket on plugs and connectors seals out moisture and dust
- Clamp-type terminals with individual wire pockets accept #10 thru #4 AWG
- Amperage and voltage ratings hot-stamped on face of device for easy identification
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

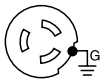
RECEPTACLE

- Black melamine construction with heavy-duty steel shell
- Clamp-type terminals accept #10 through #6 AWG
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

3 POLE 4 WIRE 50 AMP 250V DC; 50A 600V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	3769①	—	Receptacle armored, grounded
	3765-N①	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	3764-N①	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	3775-N①	—	Nylon male base

3 POLE 4 WIRE 50 AMP 250V DC; 50A 600V AC

CONFIG.	CATALOG NUMBER	CORD DIA.	DESCRIPTION
	7379②	—	Receptacle armored, grounded
	7765-N②	.65 - 1.20 (16.5-30.5)	Nylon plug with cord grip
	7764-N②	.65 - 1.20 (16.5-30.5)	Nylon connector with cord grip
	7958-N②	—	Nylon male base

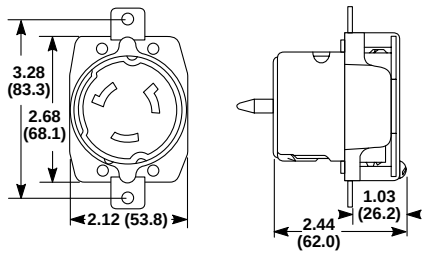
PLATES FOR RECEPTACLES③

CATALOG NUMBER	DESCRIPTION
7382	Plate, cast aluminum, with lift cover
7383	Plate, cast aluminum, without lift cover
7774-CR	Plate, weather-protective, yellow fiberglass, with lift cover
7770	Plate weather-protective, cast aluminum, with lift cover

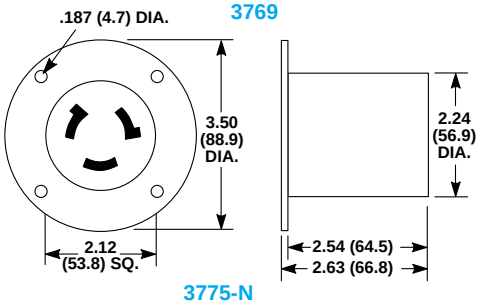
WEATHER PROTECTIVE BOOTS④

CATALOG NUMBER	DESCRIPTION
7717-N	Boot fits both plug and connector, yellow vinyl-based compound
510-BSR	Sealing ring, seals plug and connector boots

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



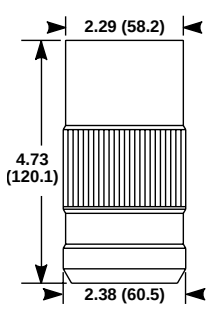
3769



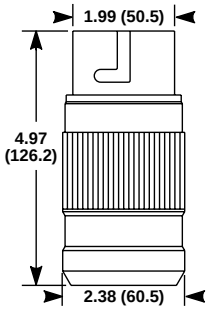
3775-N

WEATHER PROTECTIVE BOOTS

7717-N 510-BSR 7717-N



3765-N



3764-N

① These devices are not interchangeable with other 50 amp configurations listed in this catalog.
② These devices are intended for replacement use only in existing installations. We recommend that they not be used in new installations. See page G-35 for new installations.
③ See pages H-15 & L-1 for information on plates.
④ See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

4P/4W NON-GROUNDING

3P/4W GROUNDING

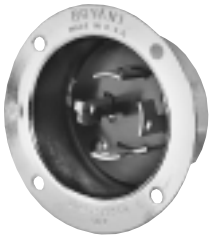
TECH·SPEC®

4 Pole 4 Wire; 20 Amp 120/208V AC 3ØY; 3 Pole 4 Wire Grounding; 20 Amp 250V AC; Locking Devices

7410

9967

7414



7408

7409

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded for easy identification
- Captive mounting screws
- Heavy-duty, rust-resistant yoke
- Strip gauge for accurate wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant nylon construction
- Nonmetallic Quad-Gripper cord grip
- Captive terminal screws are color-coded for easy identification
- Dead front construction
- Individual wire pockets, clamp-type terminals
- Strip gauge for accurate wiring
- Captive assembly screws
- Ribbed nylon exterior provides firm grip
- Device is keyed for proper assembly

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Strip gauge for accurate wiring
- Color-coded terminals for easy identification
- Captive terminal screws

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR 16215 Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR 16215 Guide #365E1

NOTE RATING CHANGE

Effective July 1, 1981, the ratings of devices listed on this page were changed from 20 amp 250V AC/DC; 10 amp 600V AC to 20 amp 120/208V 3ØY in order to comply with Underwriters' Laboratories requirements. Note that although the voltage rating has changed, the configuration will remain the same.

Suffix "G" devices are intended for equipment grounding applications and formerly complied with UL Standards. However, due to revisions of these Standards, suffix "G" devices are no longer UL Listed. Devices listed on this page are intended for replacement use only. For new installations, refer to the NEMA configuration chart on page G-3 for your particular current and voltage requirements.

CAUTION: To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device. (See NEC Article 210-7F.)

RECEPTACLES

CATALOG NUMBER		DESCRIPTION
NON-GROUNDING	GROUNDING①	
7410	7410-G	Single receptacle, black urea
7417	—	Cat No. 7410 on 4" (101.6) round metal box cover
7410-CR②	—	Single receptacle, yellow urea, corrosion resistant

INDOOR AND OUTDOOR RECEPTACLE PLATES③

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

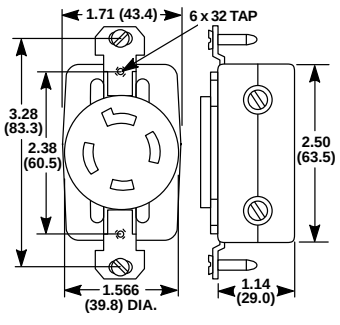
PLUGS AND CONNECTORS④

CATALOG NUMBER	CORD DIA.	DESCRIPTION
NON-GROUNDING		
9967	.625-1.150 (15.9-29.2)	Plug, black/white nylon
9967-NSY	.625-1.150 (15.9-29.2)	Plug, sentinel yellow nylon
7414	.625-1.150 (15.9-29.2)	Connector, black/white nylon
7414-NSY	.625-1.150 (15.9-29.2)	Connector, sentinel yellow nylon

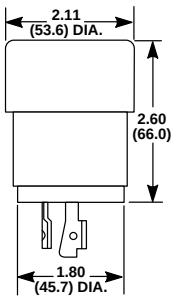
EQUIPMENT DEVICES

CATALOG NUMBER	DESCRIPTION
NON-GROUNDING	
7408	Male base (metal cup)
7409	Female equipment receptacle (metal cup)

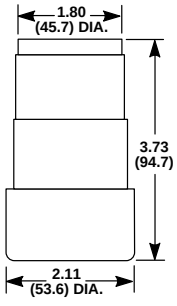
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



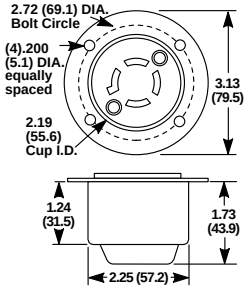
7410



9967



7414



7408 & 7409

① Suffix G devices are not UL Listed or CSA Certified. All devices are recommended for replacement use only.
② To be discontinued when existing stocks are exhausted.
③ See Sections M & L for more information on plates.
④ See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA L18-20 NEMA L19-20 NEMA L20-20

TECH·SPEC®

4 Pole 4 Wire; 20 Amp 120/208V 3ØY; 20 Amp 277/480V 3ØY; 20 Amp 347/600V 3ØY, Locking Devices

71820-FR

NEW! 71820-NP

NEW! 71820-NC

71820-MB

71820-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel plated to resist corrosion

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Individual wire pockets, clamp-type terminals
- Nylon construction
- Strip gauge for accurate wiring
- Captive terminal screws are color-coded for easy identification

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498. See page O-1 for Federal Specification listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L18-20 20 AMP 120/208V 3ØY	L19-20 20 AMP 277/480V 3ØY	L20-20 20 AMP 347/600V 3ØY		
71820-FR	71920-FR	72020-FR	—	Single receptacle, black nylon
71820-NP	71920-NP	72020-NP	.465-1.150①	Plug, black/white nylon
71820-NC	71920-NC	72020-NC	.465-1.150①	Connector, black/white nylon
71820-MB	71920-MB	72020-MB	—	Male base, white nylon cup
71820-ER	71920-ER	72020-ER	—	Female equipment receptacle, white nylon cup

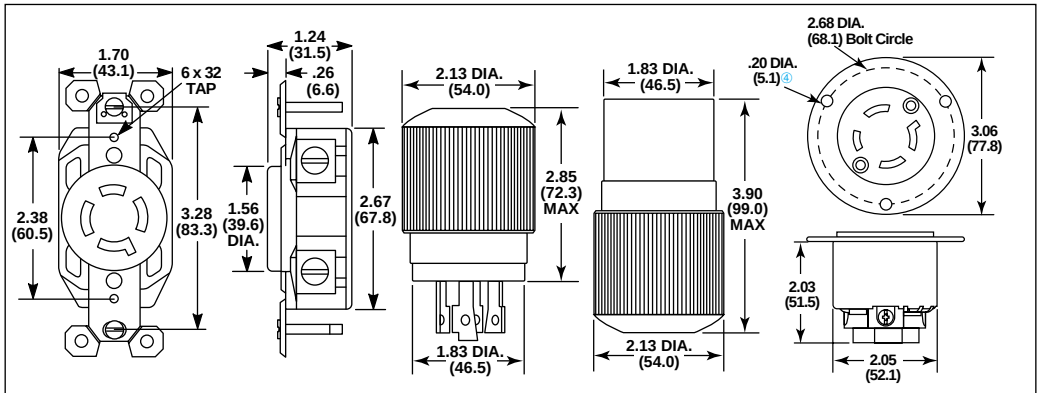
INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71820-FR 71820-NP 71820-NC 71820-MB & 71820-ER

① .465-1.150 (11.8-29.2)
② See Sections L & M for complete information on plates.
③ See page H-13 for more information on boots.
④ Three holes spaced 120° apart on 2.68 (68.1) diameter bolt circle.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

BRYANT

4P/4W NON-GROUNDING

3P/4W GROUNDING

TECH·SPEC®

4 Pole 4 Wire; 30 Amp 120/208V 3ØY
3 Pole 4 Wire Grounding; 30 Amp 250V AC Locking Devices

3430-BRY

NEW! 3431

NEW! 3433

Features - Specifications

SINGLE FLUSH RECEPTACLE

- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded for easy identification
- Captive mounting screws
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG AND CONNECTOR

- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws
- NOM
- CE

NOTE RATING CHANGE
Effective July 1, 1981, the ratings of devices listed on this page were changed from 30 amp 250V; 30 amp 600V AC to 30 amp 120/208V 3ØY in order to comply with Underwriters' Laboratories requirements. Note that although the voltage rating has changed, the configuration will remain the same.

Suffix "G" devices are intended for equipment grounding applications and formerly complied with UL Standards. However, due to revisions of these Standards, suffix "G" devices are no longer UL Listed. Devices listed on this page are intended for replacement use only. For new installations, refer to the NEMA configuration chart on page G-3 for your particular current and voltage requirements.

CAUTION: To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device. (See NEC Article 210-7F.)

RECEPTACLES

CATALOG NUMBER		DESCRIPTION
NON-GROUNDING	GROUNDING①	
3430-BRY	3430-G	Single receptacle, black urea

INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

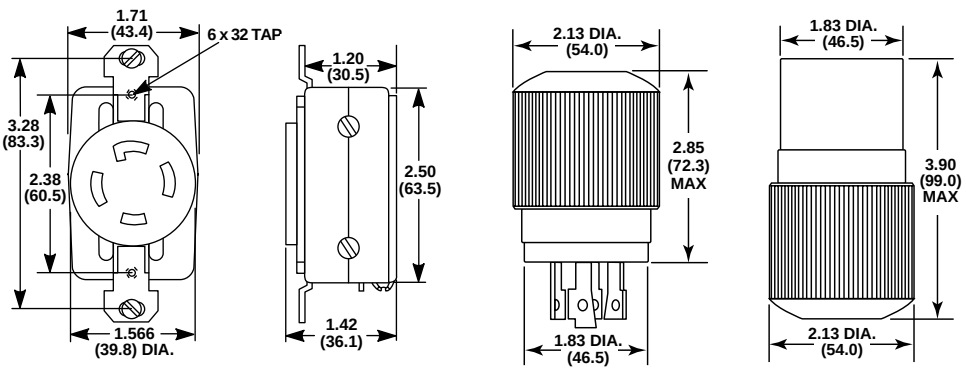
PLUGS AND CONNECTORS

CATALOG NUMBER	CORD DIA.	DESCRIPTION
NON-GROUNDING		
3431	.465 - 1.150 (11.9-29.5)	Plug, black/white nylon
3433	.465 - 1.150 (11.9-29.5)	Connector, black/white nylon

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



3430-BRY 3431 3433

① Suffix G devices are not UL Listed or CSA Certified. All devices are recommended for replacement use only.
② See Sections L & M for more information on plates.
③ See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA L18-30 NEMA L19-30 NEMA L20-30

TECH·SPEC®

4 Pole 4 Wire;30 Amp 120/208V 3ØY; 30 Amp 277/480V 3ØY; 30 Amp 347/600V 3ØY, Locking Devices

71830-FR

NEW! 71830-NP

NEW! 71830-NC

71830-MB

71830-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L18-30 30 AMP 120/208V 3Ø Y	L19-30 30 AMP 277/480V 3Ø Y	L20-30 30 AMP 347/600V 3Ø Y		
71830-FR	71930-FR	72030-FR	—	Single receptacle, black nylon
71830-NP	71930-NP	72030-NP	.465-1.150①	Plug, black/white nylon
71830-NC	71930-NC	72030-NC	.465-1.150①	Connector, black/white nylon
71830-MB	71930-MB	72030-MB	—	Male base, white nylon cup
71830-ER	71930-ER	72030-ER	—	Female equipment receptacle, white nylon cup

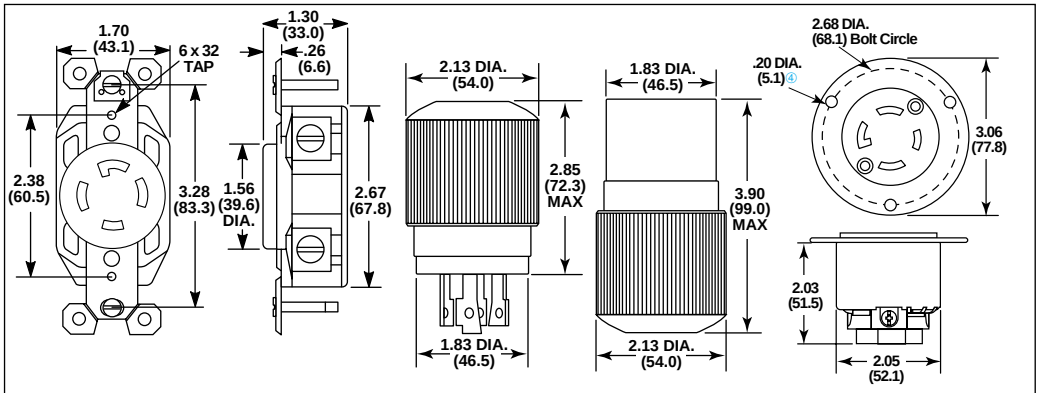
INDOOR AND OUTDOOR RECEPTACLE PLATES②

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS③

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



71830-FR 71830-NP 71830-NC 71830-MB & 71830-ER

① .465-1.150 (11.8-29.2)
② See Sections L & M for complete information on plates.
③ See page H-13 for more information on boots.
④ Three holes spaced 120° apart on 2.68 (68.1) diameter bolt circle.

See page O-3 for horsepower ratings.
Specifications are subject to change without notice.

3520-BRY

3521

3523

Features - Specifications

SINGLE FLUSH RECEPTACLE

- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded for easy identification
- Captive mounting screws
- UL Listed File #E2258 – Guide #RTRT

PLUG AND CONNECTOR

- Impact/chemical-resistant nylon construction
- Nonmetallic Quad-Gripper cord grip
- Captive terminal screws are color-coded for easy identification
- Dead front construction
- Individual wire pockets, clamp-type terminals
- Strip gauge for accurate wiring
- Captive assembly screws
- Ribbed nylon exterior provides firm grip
- Device is keyed for proper assembly
- UL Listed File #E1381 – Guide #AXUT

NOTE
Wiring Devices listed on this page are intended for replacement use only in existing installations. For new installations, refer to the NEMA configuration chart on page G-3 for products suited for your particular current and voltage requirements.

CAUTION: To Avoid Electric Shock-Review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device. (See NEC Article 210-7F.)

RECEPTACLE

CATALOG NUMBER	DESCRIPTION
3520-BRY	Single flush receptacle, black urea

INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

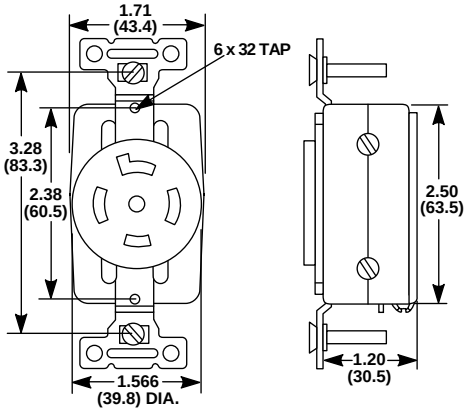
PLUGS AND CONNECTORS

CATALOG NUMBER NON-GROUNDING	CORD DIA.	DESCRIPTION
3521	.625-1.150 (15.9-29.2)	Plug, black/white nylon
3523	.625-1.150 (15.9-29.2)	Connector, black/white nylon

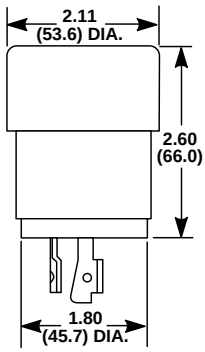
WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



3520-BRY



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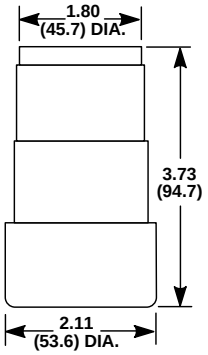


3523

① See Sections L & M for more information on plates.
② See page H-13 for information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA L21-20
NEMA L22-20
NEMA L23-20

TECH·SPEC®

4 Pole 5 Wire Grounding; 20 Amp 120/208V 3ØY; 20 Amp 277/480V 3ØY; 20 Amp 347/600V 3ØY, Locking Devices

72120-FR

NEW! 72120-NP

NEW! 72120-NC

72120-MB

72120-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self-centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498. See page O-1 for Federal Specification Listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L21-20 20 AMP 120/208V 3ØY	L22-20 20 AMP 277/480V 3ØY	L23-20 20 AMP 347/600V 3ØY		
72120-FR	72220-FR	72320-FR	—	Single flush receptacle, black nylon
72120-IG①	—	—	—	Single flush receptacle, orange nylon, isolated ground
72120-NP	72220-NP	72320-NP	.465-1.150②	Plug, black nylon
72120-NPB	—	—	.465-1.150②	Plug, black/white nylon
72120-NPC	—	—	.465-1.150②	Same as above w/Robertson screws
72120-NC	72220-NC	72320-NC	.465-1.150②	Connector, black/white nylon
72120-NCB	—	—	.465-1.150②	Connector, black nylon
72120-NCC	—	—	.465-1.150②	Same as above w/Robertson screws
72120-MB	72220-MB	72320-MB	—	Male base, white nylon cup
72120-ER	72220-ER	72320-ER	—	Female equipment receptacle, white nylon cup

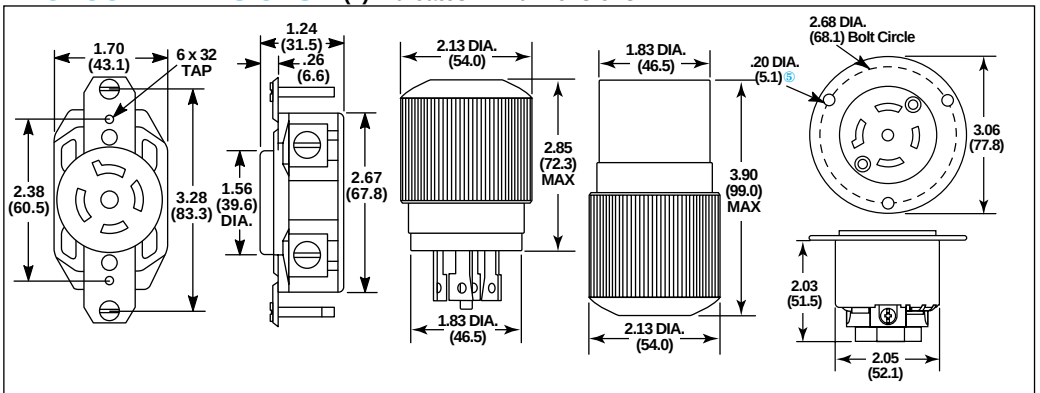
INDOOR AND OUTDOOR RECEPTACLE PLATES③

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS④

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



72120-FR 72120-NP 72120-NC 72120-MB & 72120-ER

① See Section F for more information on isolated ground devices.
② .465-1.150 (11.8-29.2)
③ See Sections L & M for more information on plates.
④ See page H-13 for more information on boots.
⑤ Three holes spaced 120˚ apart on 2.68 (68.1) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

4 Pole 5 Wire Grounding
20 Amp 120/208V 3ØY 400 Hertz, Locking Devices

40045-FR

NEW! 40045-NP

NEW! 40045-NC

40045-MB

40045-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke
- Strip gauge for accurate wiring

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- NOM –
- CE

400 HERTZ LOCKING DEVICES

400 Hertz locking devices have a unique locking configuration that is not interchangeable with existing locking configurations. They have been designed, tested, and approved for use on 400 Hz (400 cycles per second) circuits. This higher frequency (400 Hz) is used in place of the normal 60 Hz in certain military, industrial and aircraft applications. Where power, size and weight are important factors, the application of 400 Hz, in aircraft for example, permits the use of small, powerful electric motors that result in a substantial weight reduction.

NOTE
The National Electrical Code in Article 210-7 (f) requires that "receptacles connected to circuits having different voltages, frequencies or types of current (AC or DC) on the same premises shall be of such design that the attachment plugs used on these circuits are not interchangeable." Thus users of 400 Hz and 60 Hz attachment plugs and receptacles must segregate the frequencies when used on the same premises.

LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
40045-FR	—	Single flush receptacle, black urea
40045-NP	.465 - 1.150 (11.8-29.2)	Plug, black/white nylon
40045-NC	.465 - 1.150 (11.8-29.2)	Connector, black/white nylon
40045-MB	—	Male base, white nylon cup
40045-ER	—	Female equipment receptacle, white nylon cup

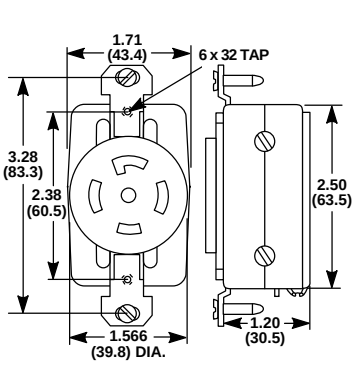
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

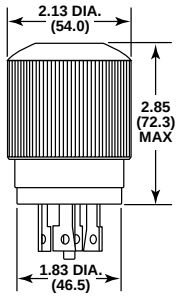
WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

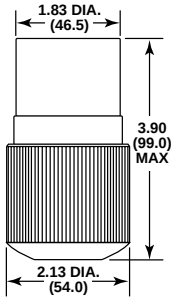
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



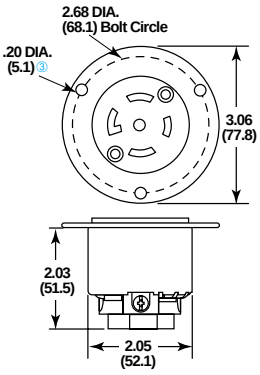
40045-FR



40045-NP



40045-NC



40045-MB & 40045-ER

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.
③ Three holes spaced 120° apart on 2.68 (68.1) dia. bolt circle.

Specifications are subject to change without notice.

BRYANT

NEMA FSL4

TECH·SPEC®
4 Pole 5 Wire Grounding
30 Amp 400 Hertz; 3ØY 120/208V, Locking Devices

FSL4-FR

NEW! FSL4-NP

NEW! FSL4-NC

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of arc-resistant urea
- Back wiring: individual wire pockets, clamp-type terminals
- Captive terminal screws are color-coded
- Captive mounting screws
- Heavy-duty, rust-resistant yoke

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

SINGLE FLUSH RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

PLUG, CONNECTOR
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6, UL 498 and Federal Specification WC596. See page O-1 for complete listing.
- NOM
- CE

400 Hz LOCKING DEVICES

400 Hertz locking devices have a unique locking configuration that is not interchangeable with existing locking configurations. They have been designed, tested, and approved for use on 400 Hz (400 cycles per second) circuits. This higher frequency (400 Hz) is used in place of the normal 60 Hz in certain military, industrial and aircraft applications. Where power, size and weight are important factors, the application of 400 Hz, in aircraft for example, permits the use of small, powerful electric motors that result in a substantial weight reduction.

NOTE

The National Electrical Code in Article 210-7 (f) requires that "receptacles connected to circuits having different voltages, frequencies or types of current (AC or DC) on the same premises shall be of such design that the attachment plugs used on these circuits are not interchangeable." Thus users of 400 Hz and 60 Hz attachment plugs and receptacles must segregate the frequencies when used on the same premises.

LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
FSL4-FR	—	Single flush receptacle, black urea
FSL4-NP	.465 - 1.150 (11.6-29.2)	Plug, black/white nylon
FSL4-NC	.465 - 1.150 (11.6-29.2)	Connector, black/white nylon

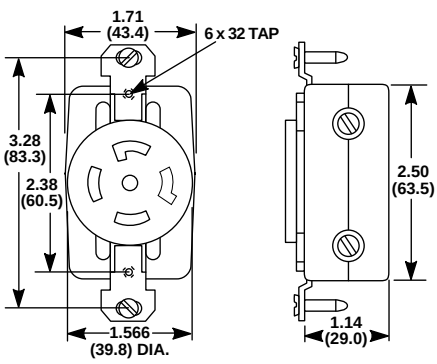
INDOOR AND OUTDOOR RECEPTACLE PLATES①

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

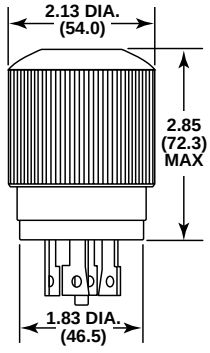
WEATHER PROTECTIVE BOOTS②

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

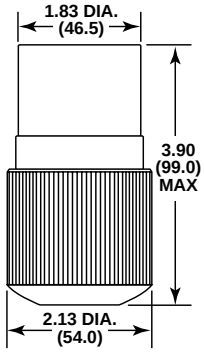
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



FSL4-FR



FSL4-NP



FSL4-NC

① See Sections L & M for complete information on plates.
② See page H-13 for more information on boots.

Specifications are subject to change without notice.

BRYANT

NEMA L21-30
NEMA L22-30
NEMA L23-30

TECH·SPEC®

4 Pole 5 Wire Grounding; 30 Amp 120/208V 3ØY; 30 Amp 277/480V 3ØY; 30 Amp 347/600V 3ØY, Locking Devices

72130-FR

NEW! 72130-NP

NEW! 72130-NC

72130-MB

72130-ER

Features - Specifications

SINGLE FLUSH RECEPTACLE
- Face molded of impact/chemical-resistant nylon
- Base molded of reinforced thermoplastic polyester
- Combination back and side wiring, clamp-type terminals; accept #14 thru #8 AWG solid or stranded conductors
- One-piece rivetless copper-alloy contact design
- Heavy-duty mounting straps are nickel-plated to resist corrosion

PLUG AND CONNECTOR
- Impact/chemical-resistant toughened nylon construction
- Internal "self-centering" Quad-Gripper cord grip with "radius teeth" design
- Double wall construction
- EPDM dust seal surrounds cord to help prevent moisture and contaminants from entering wiring chamber
- Captive terminal screws are backed out to simplify wiring
- Combination Phillips/slotted terminal and assembly screws

MALE BASE AND FEMALE EQUIPMENT RECEPTACLE
- Impact/chemical-resistant toughened nylon construction
- Transparent terminal cover and extended "tear-drop" wiring pockets
- Combination Phillips/slotted terminal screws are backed out to simplify wiring

PLUG, CONNECTOR AND MALE BASE
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

SINGLE AND FEMALE EQUIPMENT RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498. See page O-1 for Federal Specification Listing.
- NOM
- CE

LOCKING DEVICES

CATALOG NUMBER			CORD DIA.	DESCRIPTION
L21-30 30 AMP 120/208V 3ØY	L22-30 30 AMP 277/480V 3ØY	L23-30 30 AMP 347/600V 3ØY		
72130-FR	72230-FR	72330-FR	—	Single flush receptacle, black nylon
72130-IG①	—	—	—	Single flush receptacle, orange nylon, isolated ground
72130-NP	72230-NP	72330-NP	.465-1.150②	Plug, black/white nylon
72130-NPC	—	—	.465-1.150②	Same as above except w/Robertson head screws
72130-NC	72230-NC	72330-NC	.465-1.150②	Connector, black/white nylon
72130-NCC	—	—	.465-1.150②	Same as above except w/Robertson head screws
72130-MB	72230-MB	72330-MB	—	Male base, white nylon cup
72130-ER	72230-ER	72330-ER	—	Female equipment receptacle, white nylon cup

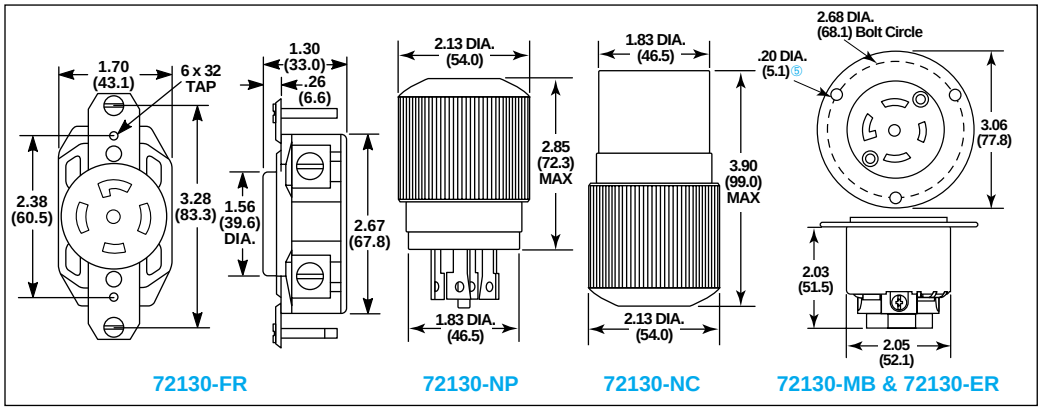
INDOOR AND OUTDOOR RECEPTACLE PLATES③

CATALOG NUMBER	DESCRIPTION
S611-1	Type 302/304 stainless steel, smooth, single gang
S2811-1	.040 (1.0) brass, smooth, single gang
N0111-1	Black nylon, smooth, single gang
7420-B	Die cast aluminum, with cover, single gang, box mount

WEATHER PROTECTIVE BOOTS④

CATALOG NUMBER		DESCRIPTION
BLACK	YELLOW	
72002-BPB	72002-BP	Neoprene boot for use with plug
72002-BCB	72002-BC	Neoprene boot for use with connector
72002-BSRB	72002-BSR	Neoprene connector sealing ring

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



72130-FR 72130-NP 72130-NC 72130-MB & 72130-ER

① See Section F for information on isolated ground devices.
② .465-1.150 (11.6-29.2)
③ See Section L & M for more information on plates.
④ See page H-13 for more information on boots.
⑤ Three holes spaced 120˚ apart on 2.68 (68.1) diameter bolt circle.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

4 Pole 5 Wire Grounding
30 Amp 600V AC; 20 Amp 250V DC
Power Interrupting Locking Devices

25403

25415

25414

25250

Features - Specifications

- Plug and connector feature insulated, impact-resistant nonmetallic nylon housings
- Spring-loaded shutter on receptacle and connector ejects plug if not properly mated, eliminating teasing of contacts
- Devices are suitable as a disconnecting means under full-rated load. Spring-loaded safety shutter snuffs out arcs
- Receptacle has clamp-type, back wired terminals
- Internal cord grip dust seal helps prevent dust and foreign particles from entering the wiring chamber
- Heavy-duty plug and connector cord clamps firmly secure cord jacket and conductors preventing strain on terminations

RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

PLUG, CONNECTOR
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

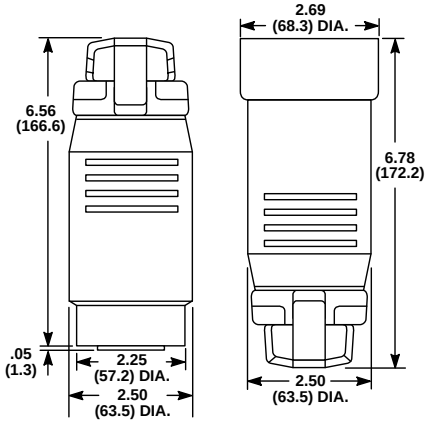
POWER INTERRUPTING LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
25403	—	Receptacle, black phenolic, metal housing for F.S. and F.D. boxes, blue finish
25415	.630 - 1.20 (16.0-30.5)	Plug, black nylon housing with cord grip
25414	.630 - 1.20 (16.0-30.5)	Connector, black nylon housing with cord grip
25250	—	Receptacle, black phenolic, aluminum weather protective housing/cover for F.S. and F.D. boxes, blue finish

LIQUIDTIGHT METALLIC CONDUIT ADAPTERS

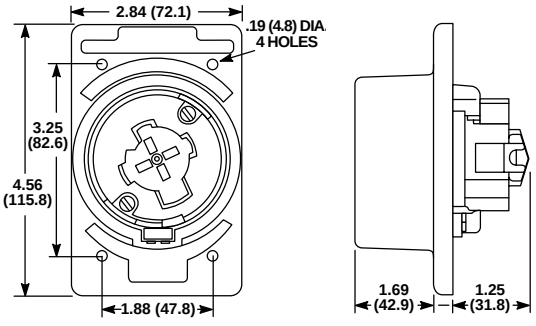
SAB12		For use with plug and connector with ½" conduit
SAB34		For use with plug and connector with ¾" conduit

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

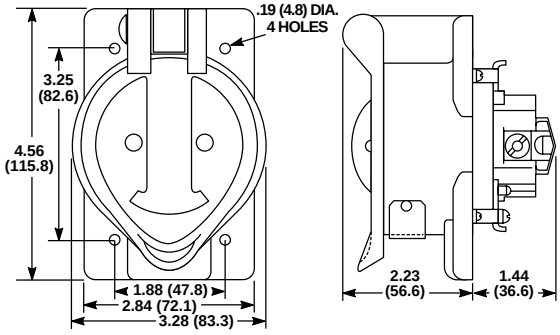


25415

25414



25403



25250

NOTE: Boots are not available for 5 wire 30 amp power interrupting plugs and connectors.

Specifications are subject to change without notice.

3 Pole 4 Wire Grounding 60 Amp 600V AC
Power Interrupting Locking Devices

ALL PRODUCTS NEW

26410

26419

26418

Features - Specifications

- Plug and connector feature insulated, impact-resistant polycarbonate outer cover
- Heavy-duty steel interior cover assembly
- High-visibility yellow cover
- Nylon-coated cord grips
- Cable bushings on plugs and connectors seal out dust
- Spring-loaded shutter on receptacle and connector ejects plug if not properly mated, eliminating teasing of contacts
- Devices are suitable as a disconnecting means under full-rated load. Spring-loaded safety shutter snuffs out arcs
- Cast aluminum receptacle housing with lift cover

RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

PLUG AND CONNECTOR
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

POWER INTERRUPTING LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
26410	—	Receptacle, black phenolic with short aluminum housing and lift cover
26419	.875 - 1.480 (22.2-37.6)	Plug, yellow polycarbonate outer cover and adjustable cord grip
26418	.875 - 1.480 (22.2-37.6)	Connector, yellow polycarbonate outer cover and adjustable cord grip

BOXES AND ADAPTERS

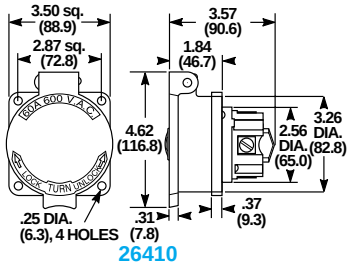
CATALOG NUMBER	DESCRIPTION
26401	Box, cast aluminum
26402	Adapter plate, cast aluminum, to mount 26410 to 26401 box
26404	45˚ angle adapter, cast aluminum, to mount 26410 to 26401 box

26401

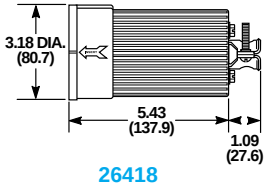
26402

26404

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



26410



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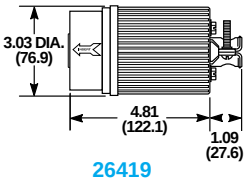

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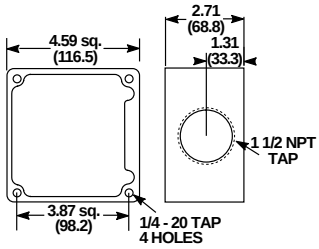
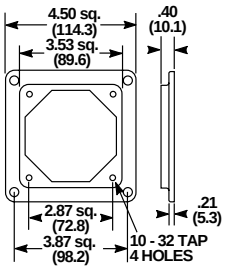
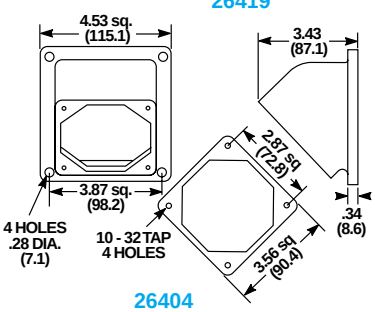


26401



26402



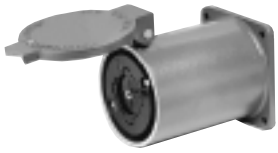
26404

Specifications are subject to change without notice.

BRYANT

4 Pole 5 Wire Grounding 60 Amp 600V AC
Power Interrupting Locking Devices

ALL PRODUCTS NEW



26520

26519

26516

Features - Specifications

- Plug and connector feature insulated, impact-resistant polycarbonate outer cover
- Heavy-duty steel interior cover assembly
- High-visibility blue cover
- Nylon-coated cord grips
- Cable bushings on plugs and connectors seal out dust
- Spring-loaded shutter on receptacle and connector ejects plug if not properly mated, eliminating teasing of contacts
- Devices are suitable as a disconnecting means under full-rated load. Spring-loaded safety shutter snuffs out arcs
- Cast aluminum receptacle housing with lift cover

RECEPTACLE
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

PLUG AND CONNECTOR
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

POWER INTERRUPTING LOCKING DEVICES

CATALOG NUMBER	CORD DIA.	DESCRIPTION
26520	—	Receptacle, black phenolic with long aluminum housing and lift cover
26519	.875 - 1.480 (22.2-37.6)	Plug, blue polycarbonate outer cover and adjustable cord grip
26516	.875 - 1.480 (22.2-37.6)	Connector, blue polycarbonate outer cover and adjustable cord grip

BOXES AND ADAPTERS

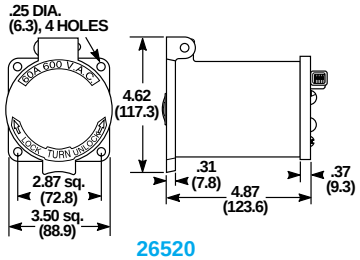
CATALOG NUMBER	DESCRIPTION
26401	Box, cast aluminum
26402	Adapter plate, cast aluminum, to mount 26520 to 26401 box
26404	45˚ angle adapter, cast aluminum, to mount 26520 to 26401 box

26401

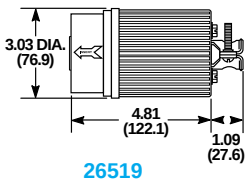
26402

26404

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



26520



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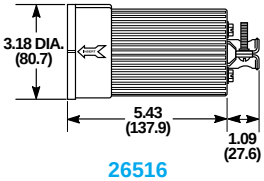

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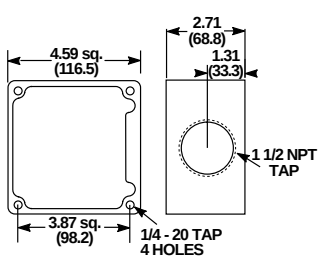
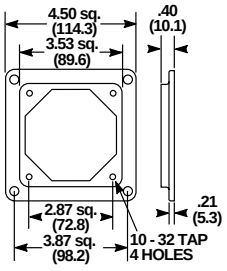


26401



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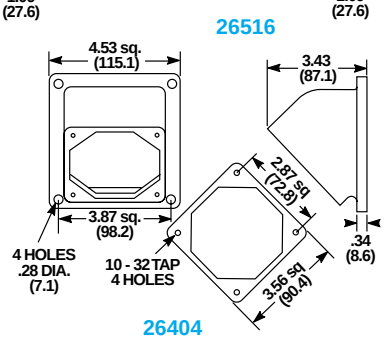


26404

Specifications are subject to change without notice.

BRYANT

Nylon Angle Adapter

70204-ANA

Features - Specifications

ANGLE ADAPTERS

- Nylon angle adapters convert 20 and 30 ampere nylon locking plugs and connectors into space-saving angle devices. The adapter can be used with 82 different 20 amp and 30 amp NEMA/ANSI devices, providing the widest choice available in the industry.
- Adapters permit wire to exit parallel to the receptacle, eliminating space needed for wire to bend. Allows machinery to be placed closer to the wall and prevents wire damage.
- Angle adapter adjusts to permit proper positioning of plug and connector

ANGLE ADAPTERS

CATALOG NUMBER	CORD GRIP RANGE	DESCRIPTION
70204-ANA	.500 - 1.000 (12.7-25.4)	Angle adapter, black nylon

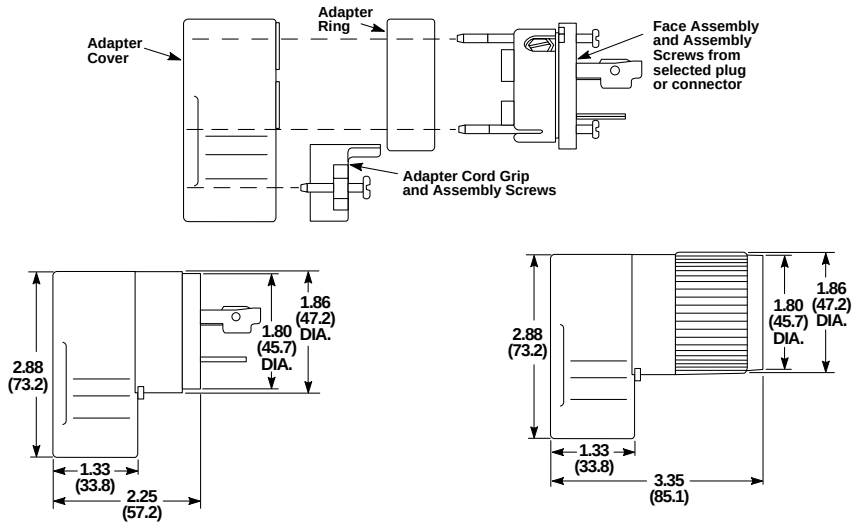
70530-NP
WITH A 70204-ANA

THE FOLLOWING CATALOG NUMBERS MAY BE USED WITH BRYANT ANGLE ADAPTER 70204-ANA

PLUGS				CONNECTORS			
FSL1-NP	70830-NP	71520-NP	72130-NP	FSL1-NC	70830-NC	71520-NC	72130-NC
FSL2-NP	70920-NP	71530-NP	72220-NP	FSL2-NC	70920-NC	71530-NC	72220-NC
FSL3-NP	70930-NP	71620-NP	72230-NP	FSL3-NC	70930-NC	71620-NC	72230-NC
FSL4-NP	71020-NP	71630-NP	72320-NP	FSL4-NC	71020-NC	71630-NC	72320-NC
40045-NP	71030-NP	71730-NP	72330-NP	40045-NC	71030-NC	71730-NC	72330-NC
70520-NP	71120-NP	71820-NP	3331	70520-NC	71120-NC	71820-NC	3333
70530-NP	71130-NP	71830-NP	3431	70530-NC	71130-NC	71830-NC	3433
70620-NP	71220-NP	71920-NP	3531	70620-NC	71220-NC	71920-NC	3523
70630-NP	71230-NP	71930-NP	9965	70630-NC	71230-NC	71930-NC	7314
70720-NP	71330-NP	72020-NP	9967	70720-NC	71330-NC	72020-NC	7414
70730-NP	71420-NP	72030-NP		70730-NC	71420-NC	72030-NC	
70820-NP	71430-NP	72120-NP		70820-NC	71430-NC	72120-NC	

70530-NC
WITH A 70204-ANA

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



70530-NP, 70204-ANA ASSEMBLED

70530-NC, 70204-ANA ASSEMBLED

Specifications are subject to change without notice.

BRYANT

PLUGBOX™
Electrical Plug Lockout Devices

BLDMP

BLD

BLD2

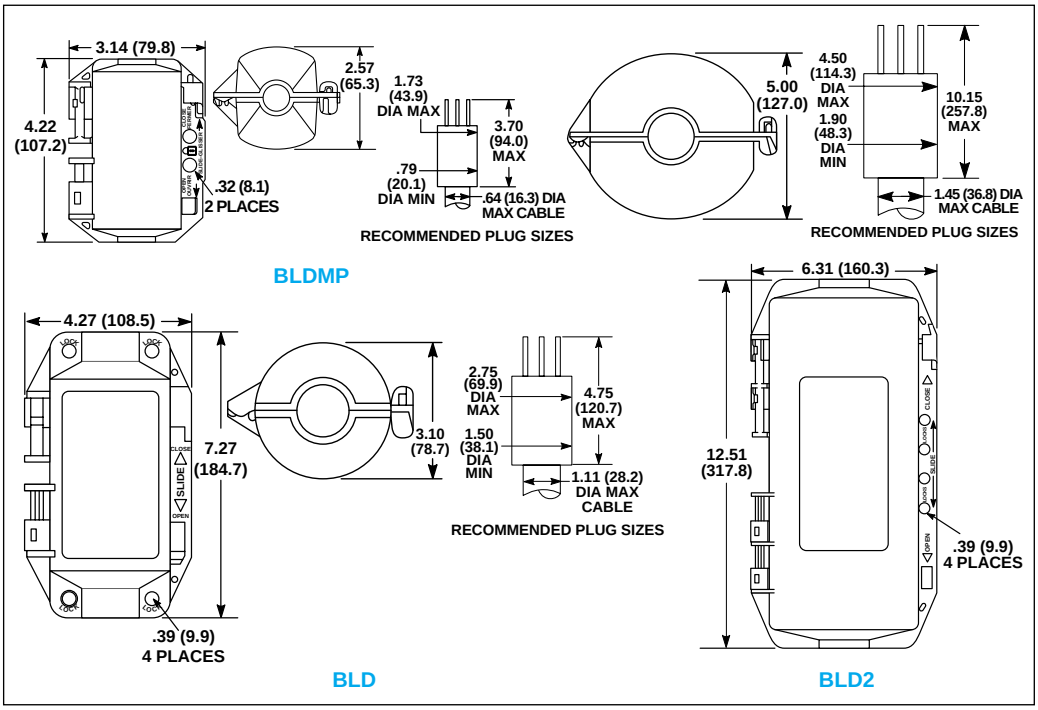
Features - Specifications

- Plugbox devices provide an assured method of complying with OSHA lockout/tagout regulation 29 CFR 1910.147
- Protect against unexpected start-up of equipment while maintenance and repair work are performed
- Plugs on cord-connected electrical equipment are locked safely in sturdy enclosure
- Discourages unauthorized use of tools and equipment
- Stores and protects plug when equipment is not in use or during relocation. Stores on cable when not in use
- UV stabilized polypropylene housing
- High-visibility red for easy identification
- Available in three sizes to accommodate a full range of plug designs and ratings
- Cat. No. BLD and BLD2 accept up to ⅜" (9.7) lock shackle diameter. BLDMP accepts 5/16" (7.9) lock shackle diameter
- Optional openings provided for attachment of identification tag

PLUGBOX DEVICES

CATALOG NUMBER	DESCRIPTION
BLDMP	Red polypropylene lockout device accommodates: • 2 and 3 wire, 15 and 20 amp straight blade molded-on plugs, up to 250V rating (straight body and angle design) • 3 wire 15 amp locking molded-on plugs, up to 277V rating
BLD	Red polypropylene lockout device accommodates: • 2 and 3 wire, 15 and 20 amp straight blade plugs, up to 277V rating • 2 and 3 wire, 15 amp locking plugs up to 277V rating • 3 wire 20 amp 125V power interrupting plugs • 3, 4 and 5 wire, 20 and 30 amp NEMA and non-NEMA locking plugs
BLD2	Red polypropylene lockout device accommodates: • 3 and 4 wire, 30, 50 and 60 amp straight blade plugs (straight body and angle design) • 4 and 5 wire 30 amp power interrupting plugs • 3 and 4 wire 50 amp locking plugs • Up to 60 amp metallic and nonmetallic pin & sleeve plugs

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.

Weather Protective Power Inlets

70520-MBWP
(open)

70520-MBWP
(closed)

70520-MBWP
(side)

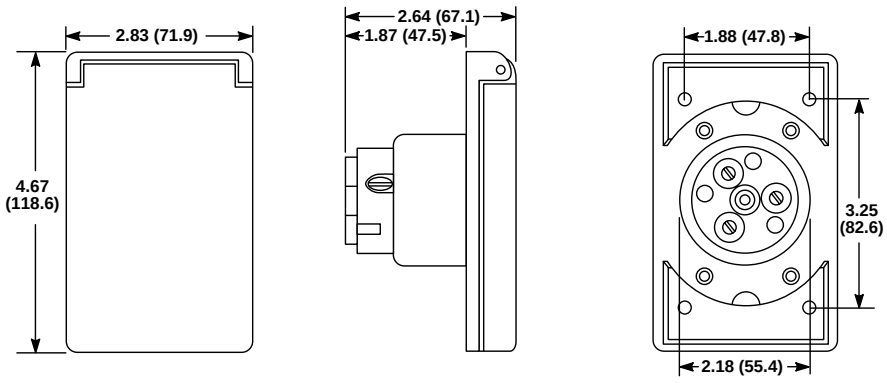
Features - Specifications

- Weather protective die cast aluminum plate supplied with gaskets and mounting screws
- Spring-loaded, self-closing lift cover
- Mounts on F.S., F.D. and Universal type boxes
- Male base securely riveted to plate
- Individual wire pockets, clamp-type terminals
- High-impact nylon construction
- Strip gauge for accurate wiring
- Color-coded terminals for easy identification
- Captive terminal screws
- Conforms to NEMA and ANSI Standards
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

WEATHER PROTECTIVE POWER INLETS

CATALOG NO.	NEMA NO.	CONFIGURATION	RATING
70615-MBWP①	L6-15		2 pole 3 wire 15 amp 250V
70520-MBWP	L5-20		2 pole 3 wire 20 amp 125V
70620-MBWP	L6-20		2 pole 3 wire 20 amp 250V
71420-MBWP	L14-20		3 pole 4 wire 20 amp 125/250V
71520-MBWP	L15-20		3 pole 4 wire 20 amp 250V 3Ø
71620-MBWP	L16-20		3 pole 4 wire 20 amp 480V 3Ø
70530-MBWP	L5-30		2 pole 3 wire 30 amp 125V
70630-MBWP	L6-30		2 pole 3 wire 30 amp 250V
71430-MBWP	L14-30		3 pole 4 wire 30 amp 125/250V
71530-MBWP	L15-30		3 pole 4 wire 30 amp 250V 3Ø
71630-MBWP	L16-30		3 pole 4 wire 30 amp 480V 3Ø

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



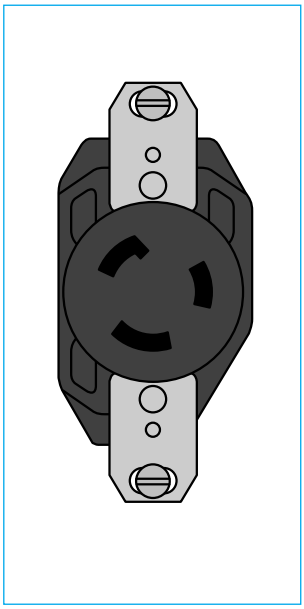
① To be discontinued when existing stocks are exhausted.

Specifications are subject to change without notice.

BRYANT

Industrial Grade Locking Receptacles Technical Specifications

LOCKING RECEPTACLE



TYPICAL SPECIFICATION

Manufacturer's Identification — Bryant 70520FR — Heavy-duty Locking Receptacle
Type — 2 Pole 3 Wire, Grounding
Rating — 20A, 125V
Configuration— NEMA L5-20

CERTIFICATION

- Listed to UL Standard 498 (Attachment Plug and Receptacles)
- Certified to CSA Standard C22.2 No. 42M1984 (General Use Receptacles) and C22.2 No. 182.2M1987 (Industrial Locking Type, Special Use Attachment Plugs, Receptacles and Connectors) where applicable.
- UL Listed File #E2258 Guide RTRT
- CSA Certified File #LR16215, Guide 365-E-1
- Federal Specifications WC596 (where applicable)

COMPONENTS	MATERIALS
Base	Reinforced Thermoplastic Polyester
Face	Nylon
Terminal Contacts	.040 (1.0) Copper Alloy
Terminal Clamp	.040 (1.0) Copper Alloy
Ground Contact (5 Wire)	.040 (1.0) Copper Alloy
Ground Shunt	.015 (.3) Copper Alloy
Mounting Straps	.050 (1.3) Steel (Nickel-Plated)
Back Plate	.040 (1.0) Plated Copper Alloy
Terminal Screws	#10 Bronze
Self Ground Clip	Stainless Steel (IG & 4P4W receptacles)
Mounting Screws	Plated Steel

- Complies with NEMA Standards WD-1, WD-6
- NOM
- CE

PERFORMANCE

Electrical

Dielectric Voltage	Withstands 3000V per UL498.
Max. Working Voltage	600V AC 250V DC.
Current Interrupting	Capable of withstanding a fault level of 1000A circuit, per UL 498.
Temperature Rise	Maximum 30° temperature rise at full rated current after 50 cycles overload at 150% rated current for both AC and DC applications per UL498

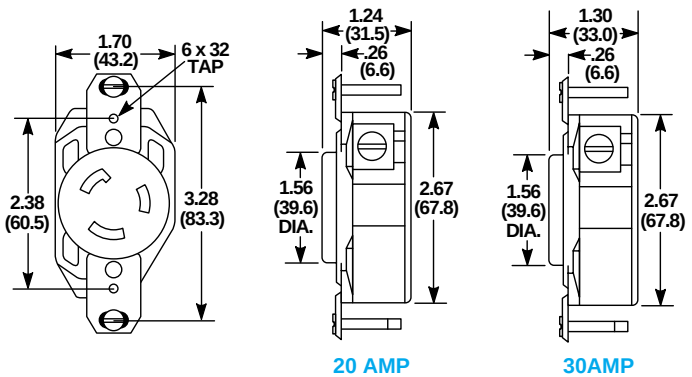
Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z brass, hot) (G, green, grounding) (W, silver, neutral)
Terminal Accommodations	#14 — #8 AWG solid or stranded copper wire.
Product Identification	Ratings and NEMA identification are permanently marked on device.

Environmental

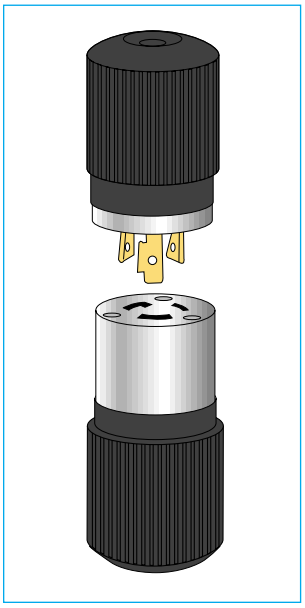
Flammability	UL 94 V2 minimum.
Operating Temperatures	-40°C to 85°C (continuous use w/o impact).

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.

LOCKING PLUG AND CONNECTOR



TYPICAL SPECIFICATION

Manufacturer's Identification — Bryant 70520NP, 70520NC— Heavy-duty Locking Plug/Connector
Type — 2 Pole 3 Wire, Grounding
Rating — 20A, 125V
Configuration — NEMA L5-20

CERTIFICATION

- Listed to UL Standard 498 (Attachment Plug and Receptacles)
- Certified to CSA Standard C22.2 No. 42M1984 (General Use Receptacles) and C22.2 No. 182.2M1987 (Industrial Locking Type, Special Use Attachment Plugs, Receptacles and Connectors) where applicable.
- UL Listed File #E1381 Guide AXUT
- CSA Certified File #LR16215, Guide 20T2
- Federal Specifications WC596 (where applicable)

COMPONENTS	MATERIALS
Face/Terminal Assembly	Impact Modified Nylon
Cover (Housing)	Super-Tough Nylon
Terminal Cover	Clear Polycarbonate
Cord Grip Assembly	Impact Modified Nylon
Plug Blades	Brass-Neutral Blade Nickel-Plated
Connector Contacts	High Performance Copper Alloy
Terminal Clamp Nut	Zinc-Plated Steel
Terminal Screws	10-32 Brass, Silver Finish (neutral screw), Green Finish (grounding screw)
Assembly Screws	Zinc-Plated Steel

- Complies with NEMA Standards WD-1, WD-6, and UL-498
- NOM
- CE

PERFORMANCE

Electrical

Dielectric Voltage	Withstands 3500V per UL498.
Max. Working Voltage	600V AC 250V DC.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Maximum 30° temperature rise at full rated current after 50 cycles overload at 150% rated current for either AC or DC applications per UL498

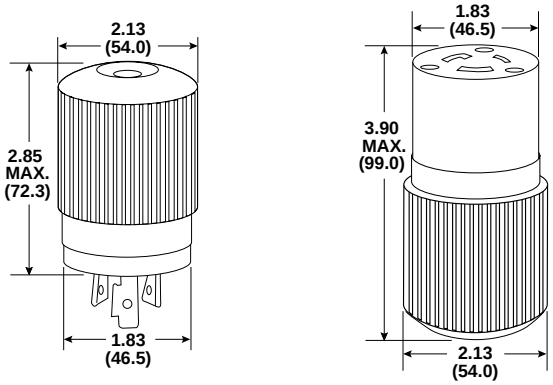
Mechanical

Terminal Identification	(X, Y, Z brass, hot) (G, green, grounding) (W, silver, neutral)
Terminal Accommodations	#18 — #8 AWG flexible cord.
Product Identification	Ratings and NEMA identification are permanently marked on device.
Cord Accommodation	Round portable service cords in accordance with device ratings as defined in UL Standard 62, CSA C22.2 No. 49
Cord Grip Range	3 Wire .300-.950" (7.62-24.13); 4, 5 Wire .465-1.150" (11.81-29.21).

Environmental

Flammability	HB or better per UL 94 or CSA 22.2.
Operating Temperatures	Maximum continuous 60°C, minimum -40°C without impact.

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.

Section H

CORROSION-RESISTANT DEVICES

Section H Index

CORROSION-RESISTANT DEVICES

Product Features **H1, H2, H10**

2 POLE 3 WIRE GROUNDING STRAIGHT BLADE

15A 125V, 15A 250V **H3, H11**

20A 125V, 20A 250V **H3, H11**

2 POLE 3 WIRE GROUNDING LOCKING

15A 125V **H4, H11**

20A 125V **H5, H11**

30A 125V **H6**

50A 125V **H8**

3 POLE 4 WIRE GROUNDING LOCKING

50A 125/250V **H9**

Cruising Adapters **H7**

Water/Dust-Tight Elastomeric Plugs and Connectors **H11**

Weather Protective Boots **H12, H13**

Weather Protective Outdoor Plates **H14**

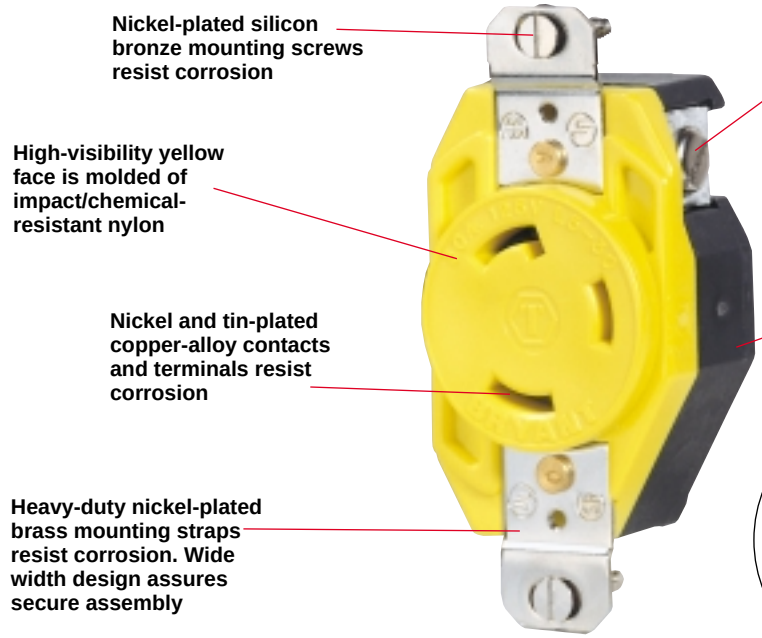
Nonmetallic Boxes and Covers **H15**

Ship-to-Shore Guide **H16, H17**

BRYANT

Product Features
Corrosion-Resistant Devices

Bryant offers a complete line of corrosion-resistant devices for industrial, commercial and marine applications. Available in locking and straight blade configurations, each device is designed to provide extra protection in corrosive conditions such as food processing plants, breweries, dairies, chemical plants, metal fabrication facilities, marine/shipboard and temporary power applications. Bryant corrosion-resistant devices are engineered with materials such as impact/chemical-resistant nylon, to provide strength and resistance to chemicals such as hydrocarbons and solvents typically found in industrial environments. Brass and copper-alloy metal parts are nickel-plated to resist corrosion and oxidation which can occur in salt air/water environments. Weather-protective boots and outdoor plates provide additional protection against infiltration of contaminants. Corrosion-resistant devices are molded of high-visibility yellow nylon for easy identification.



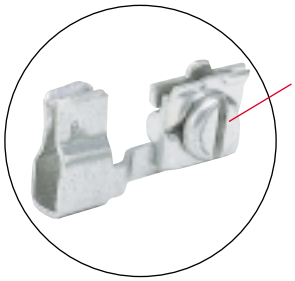
Nickel-plated silicon bronze mounting screws resist corrosion

High strength #10 silicon bronze terminal screws resist corrosion and provide secure terminations

High-visibility yellow face is molded of impact/chemical-resistant nylon

Base is molded of rugged reinforced thermoplastic polyester to minimize heat buildup

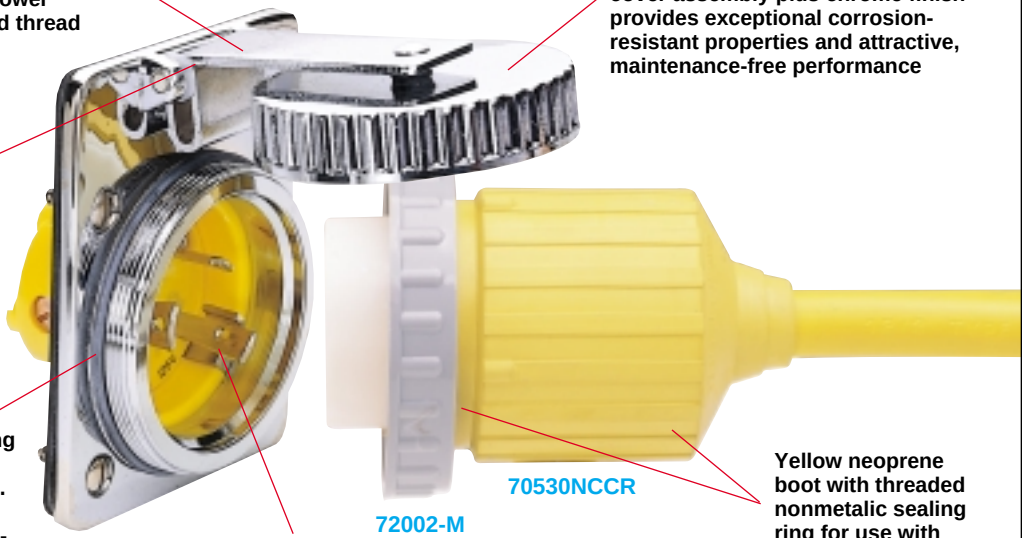
Nickel and tin-plated copper-alloy contacts and terminals resist corrosion



One-piece riveteless copper alloy power contacts reduce heat buildup and provide secure blade retention

Heavy-duty nickel-plated brass mounting straps resist corrosion. Wide width design assures secure assembly

LOCKING RECEPTACLE
70530-FRCR



Hinged cover locks at 90° in open position, leaves hands free for inserting power cord connector and thread sealing ring

.0003 nickel-plated brass plate and cover assembly plus chrome finish provides exceptional corrosion-resistant properties and attractive, maintenance-free performance

Nylon washers on cover hinge minimize friction and abrasion for long-lasting performance

Exclusive neoprene "O" ring, situated between cover and plate, improves ease of opening and closing cover by sealing threads against contamination. Provides water-resistant compression fit. Assures maximum protection for interior components.

70530-MPI

Copper-alloy blades and terminals have .0003 nickel plating. Amperage and voltage rating molded into face for easy identification

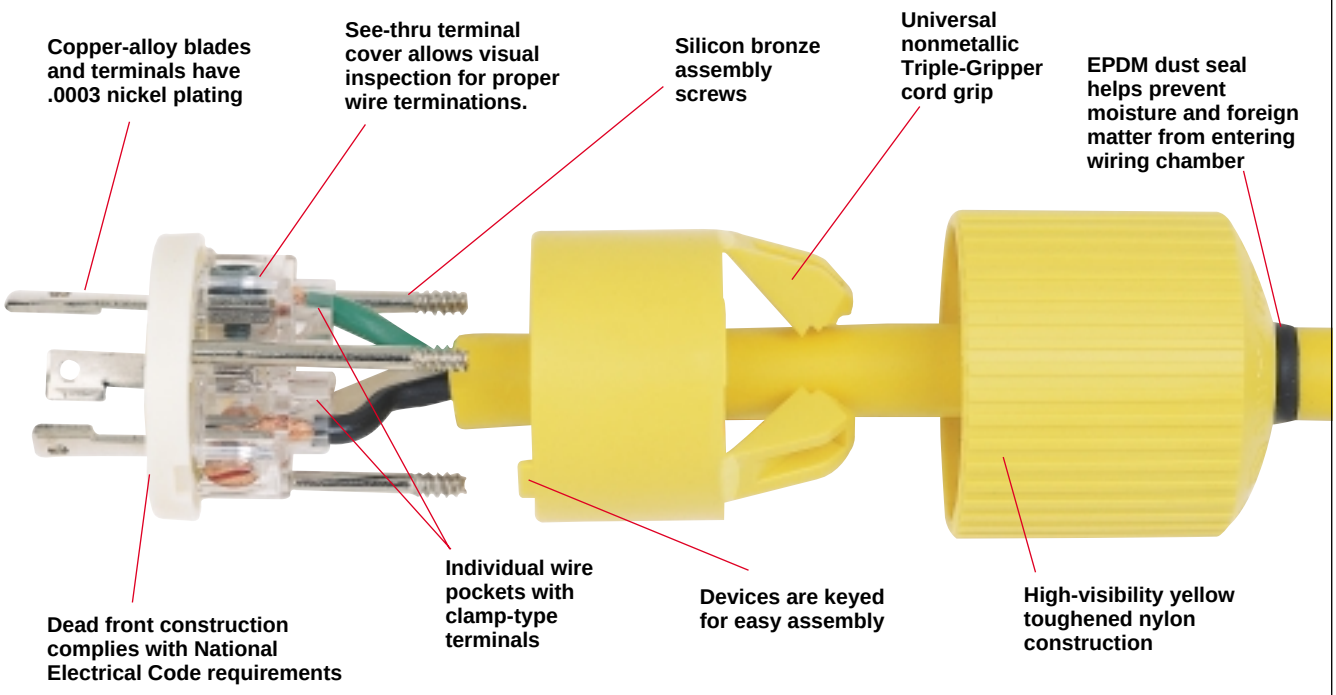
72002-M

70530NCCR

Yellow neoprene boot with threaded nonmetalic sealing ring for use with connector when used with power inlets

SHORE POWER INLETS AND OUTLETS

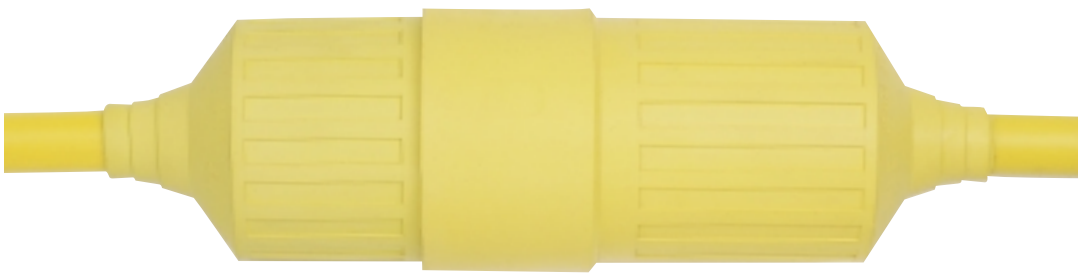
Product Features
Corrosion-Resistant Devices



70530-NPCR

70530-NPCR Plug
72002-BP Boot

70530-NCCR Connector
72002-BC Boot



Above Assembled

WEATHER PROTECTIVE BOOTS

Product specifications appearing in the following section are subject to change without notice.

2 Pole 3 Wire Grounding
Corrosion-Resistant Straight Blade Devices

5262-CR

5361-CR

5266-NCR

5269-NCR

Features - Specifications

RECEPTACLE
- Metal parts have .0003 nickel plating to resist corrosion
- Copper-alloy contacts, terminals and self-grounding strap
- Silicon bronze mounting screws
- Nickel-plated brass yoke
- Back wiring: eight wiring pockets for convenient feed-thru wiring, clamp-type terminals accept up to #10 wire
- Approved for CU wire only
- Terminal screws: brass combination Phillips/slotted binding head, accepts up to #10 wire
- Verified under Fed. Spec. #WC596. See page O-1 for complete listing.
- One-piece grounding system with built-in self-grounding strap
- High-visibility yellow color
- Molded of impact/chemical-resistant nylon
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1 (15 amp)

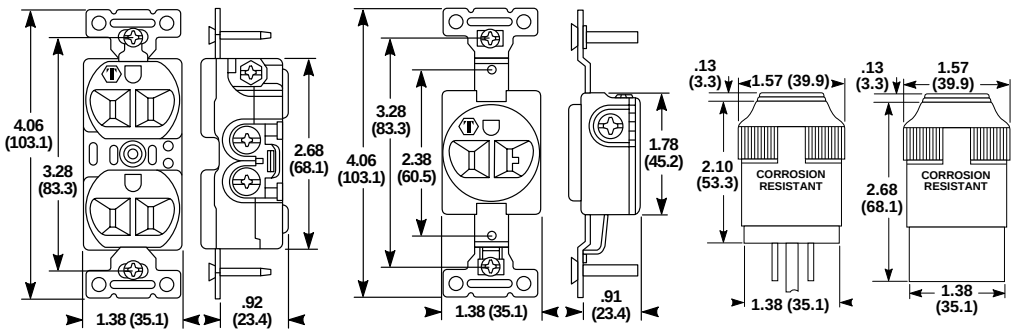
NYLON PLUG AND CONNECTOR
- Metal parts have .0003 nickel plating
- Copper-alloy blades, contacts and terminals
- Silicon bronze assembly screws
- Impact/chemical-resistant nylon/polymer construction with automatic cord grip
- High-visibility yellow color
- Pre-attached TPE dust seal
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2 (Except 5369-NCR)

ALL DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

RECEPTACLES, ATTACHMENT PLUGS AND CONNECTORS①

CATALOG NO.	NEMA CONFIGURATION		DESCRIPTION
	RECEP. & CONN.	PLUGS	
5261-CR 5262-CR 5262-BCR	15 AMP 125V		Single receptacle, yellow nylon, back and side wired Duplex receptacle, yellow nylon, back and side wired Duplex receptacle, brown nylon, back and side wired
5266-NCR 5269-NCR	 5-15R	 5-15P	Attachment plug, yellow nylon/polymer Connector body, yellow nylon/polymer
5661-CR 5662-CR	15 AMP 250V 6-15R		Single receptacle, yellow nylon, back and side wired Duplex receptacle, yellow nylon, back and side wired
5361-CR 5362-CR	20 AMP 125V 5-20R	 5-20P	Single receptacle, yellow nylon, back and side wired Duplex receptacle, yellow nylon, back and side wired
5366-NCR 5369-NCR			Attachment plug, yellow nylon/polymer Connector body, yellow nylon/polymer
5461-CR 5462-CR	20 AMP 250V 6-20R		Single receptacle, yellow nylon, back and side wired Duplex receptacle, yellow nylon, back and side wired

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



5262-CR 5361-CR 5266-NCR 5369-NCR

① See page H-12 for information on weather protective boots.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L5-15

2 Pole 3 Wire Grounding
15 Amp 125V
Corrosion-Resistant Locking Devices

4700-CR

4710-CR

NEW! 4721-NPCR

NEW! 4732-NCCR

Features - Specifications

RECEPTACLE

- Metal parts have .0003 nickel plating to resist corrosion
- Copper-alloy contacts and terminals
- Silicon bronze mounting screws
- Nickel-plated copper-alloy yoke (4700-CR)
- .050 nickel-plated brass yoke (4710-CR)
- Molded of impact/chemical-resistant, high-visibility yellow nylon (4710-CR)
- Molded of arc-resistant, high-visibility yellow melamine (4700-CR)
- Back wiring: individual wire pockets, clamp-type terminals (4700-CR)
- Strip gauge for accurate wiring
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

NYLON PLUG AND CONNECTOR

- Impact/chemical-resistant nylon construction
- High-visibility yellow nylon with nonmetallic Triple-Gripper cord grip
- Three captive assembly screws automatically tighten cord grip
- All metal parts have .0003 nickel plating
- Copper-alloy blades, contacts and terminals
- Silicon bronze assembly screws
- Dead front construction
- Individual wire pockets with clamp-type terminals
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2
- NOM
- CE

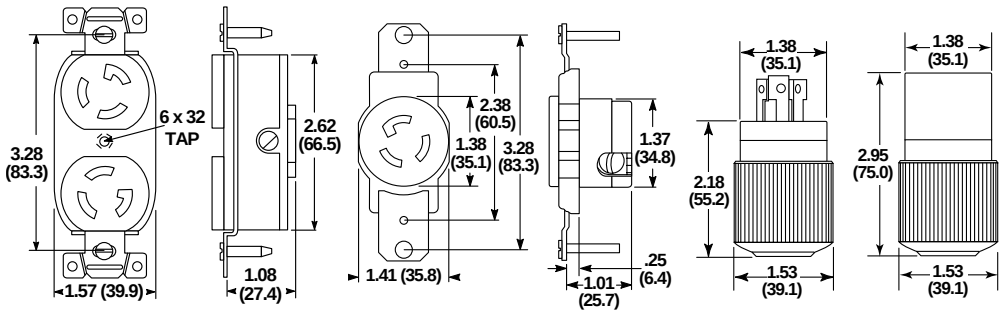
RECEPTACLES, ATTACHMENT PLUGS AND CONNECTORS

CATALOG NUMBER	CORD DIA.	DESCRIPTION
4700-CR	—	Duplex receptacle, yellow urea, back wired, clamp-type terminals
4710-CR	—	Single receptacle, yellow nylon, back and side wired
4721-NPCR	.300-.655 (7.6-16.6)	Attachment plug, yellow nylon, back wired, clamp-type terminals
4732-NCCR	.300-.655 (7.6-16.6)	Connector body, yellow nylon, back wired, clamp-type terminals

WEATHER PROTECTIVE BOOTS①

CATALOG NUMBER	DESCRIPTION
5200-BP	Yellow neoprene boot for use with plug
5200-BC	Yellow neoprene boot for use with connector
5200-BSR	Yellow neoprene sealing ring, seals connector

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



4700-CR 4710-CR 4721-NPCR 4732-NCCR

① See page H-12 for information on weather protective boots.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L5-20

2 Pole 3 Wire
20 Amp 125V Grounding
Corrosion-Resistant Locking Devices

70520-FRCR

70520-MPI

NEW! 70520-NPCR

NEW! 70520-NCCR

Features - Specifications

RECEPTACLE
- Metal parts have .0003 nickel plating to resist corrosion
- Copper-alloy contacts, terminals and shunt
- Silicon bronze mounting screws
- Heavy-duty, copper-alloy nickel-plated yoke
- Combination back and side wiring, clamp-type terminals; accept #14 through #8 AWG solid or stranded conductors
- Face molded of impact/chemical-resistant high-visibility nylon
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

NYLON PLUG AND CONNECTOR
- All metal parts have .0003 nickel plating
- Silicon bronze assembly screws
- Copper-alloy blades, contacts and terminals
- EPDM cord dust seal
- Impact/chemical-resistant toughened nylon construction
- High-visibility yellow nylon
- Internal Triple-Gripper cord grip

POWER INLET
- .0003 nickel-plated forged brass body and cover assembly plus chrome finish
- Exclusive neoprene “O” ring between cover and plate seals threads against contamination
- Exclusive hinged cover locks at 90° in open position

NYLON PLUG, CONNECTOR AND POWER INLET
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

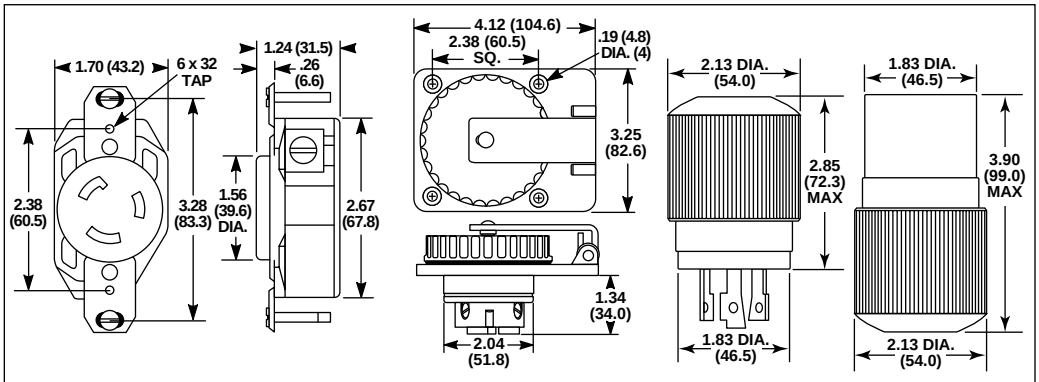
ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

CATALOG NUMBER	CORD DIA.	DESCRIPTION
70520-FRCR	—	Single flush receptacle, yellow nylon face, back or side wiring, clamp-type terminals
70520-MPI	—	Power inlet, chrome-plated brass with neoprene “O” ring, back wired, clamp-type terminals
70520-NPCR	.300-.950 (7.6-24.1)	Attachment plug, yellow nylon, back wired, clamp-type terminals
70520-NCCR	.300-.950 (7.6-24.1)	Connector body, yellow nylon, back wired, clamp-type terminals

WEATHER PROTECTIVE BOOTS①

CATALOG NUMBER	DESCRIPTION
72002-BP	Yellow neoprene boot for use with plug
72002-BC	Yellow neoprene boot for use with connector
72002-BSR	Yellow neoprene sealing ring, seals connector
72002-M	Yellow neoprene boot with threaded nonmetallic sealing ring, for use with 70520-MPI and 70520-NCCR

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



70520-FRCR 70520-MPI 70520-NPCR 70520-NCCR

①See page H-13 for more information on boots.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

BRYANT

NEMA L5-30

2 Pole 3 Wire
30 Amp 125V Grounding
Corrosion-Resistant Locking Devices

70530-FRCR

70530-MPI

70530-MPO

NEW! 70530-NPCR

NEW! 70530-NCCR

530MCS

Features - Specifications

RECEPTACLE
- Metal parts have .0003 nickel plating to resist corrosion
- Copper-alloy contacts, terminals and shunt
- Silicon bronze mounting screws
- Heavy-duty, copper-alloy nickel-plated yoke
- Combination back and side wiring, clamp-type terminals; accept #14 through #8 AWG solid or stranded conductors
- Face molded of impact/chemical-resistant high-visibility yellow nylon
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified File #LR16215 – Guide #365E1

NYLON PLUG AND CONNECTOR
- All metal parts have .0003 nickel plating
- Silicon bronze assembly screws
- Copper-alloy blades, contacts and terminals
- EPDM cord dust seal
- Inpact/chemical-resistant toughened nylon construction
- High-visibility yellow nylon
- Internal Triple Gripper cord grip

POWER INLET
- .0003 nickel-plated forged brass body and cover assembly plus chrome finish
- Exclusive neoprene “O” ring between cover and plate seals threads against contamination
- Hinged cover locks at 90° in open position

NYLON PLUG, CONNECTOR AND POWER INLET
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified File #LR16215 – Guide #20T2

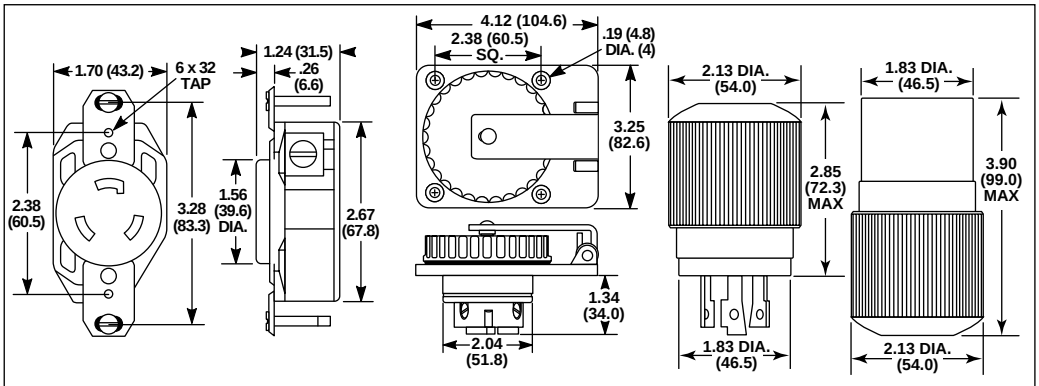
ALL LOCKING DEVICES
- Comply with NEMA Standards WD-1, WD-6 and UL 498
- NOM
- CE

CATALOG NUMBER	CORD DIA.	DESCRIPTION
70530-FRCR	—	Single flush receptacle, yellow nylon face, back or side wiring, clamp-type terminals
70530-MPI	—	Power inlet, chrome-plated brass with neoprene “O” ring, back wired, clamp-type terminals
70530-MPO	—	Power outlet, chrome-plated brass with neoprene “O” ring, back wired, clamp-type terminals
70530-NPCR	.300-.950 (7.6-24.1)	Attachment plug, yellow nylon, clamp-type terminals, Triple-Gripper cord grip
70530-NCCR	.300-.950 (7.6-24.1)	Connector body, yellow nylon, clamp-type terminals, Triple-Gripper cord grip
530MCS25	—	30 amp 125V pre-wired 25 ft. cord set 10 AWG, 3 conductor STO, yellow
530MCS	—	30 amp 125V pre-wired 50 ft. cord set 10 AWG, 3 conductor STO, yellow

WEATHER PROTECTIVE BOOTS①

CATALOG NUMBER	DESCRIPTION
72002-BP	Yellow neoprene boot for use with plug
72002-BC	Yellow neoprene boot for use with connector
72002-BSR	Yellow neoprene sealing ring, seals connector
72002-M	Yellow neoprene boot with threaded nonmetallic sealing ring, for use with 70530-MPI and 70530-NCCR

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



70530-FRCR 70530-MPI 70530-NPCR 70530-NCCR

① See page H-13 for more information on boots.

See page O-3 for horsepower ratings.

Specifications are subject to change without notice.

Corrosion-Resistant Adapters

530Y515

3015

1530

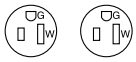
2128-CR

2129-CR

Features - Specifications

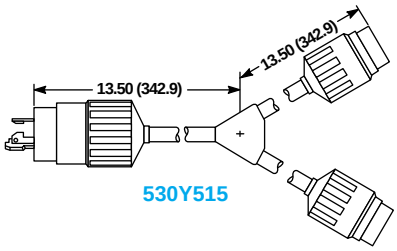
- Emergency adapters for temporary dockside power
- High-visibility yellow for easy identification
- Plugs and connectors feature .0003 (.0076) nickel-plated metal parts for resistance to corrosion in marine and outdoor applications
- Weather-protective neoprene boots
- Silicon bronze assembly screws
- Copper-alloy blades, contacts and terminals
- NEMA line number and rating molded or heat-stamped on face for easy identification
- Dead front construction

PRE-ASSEMBLED ADAPTERS

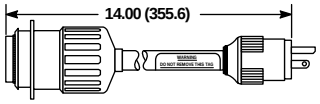
CATALOG NO.	CONFIGURATIONS		DESCRIPTION
	PLUG	CONNECTOR	
530Y515	L5-30P 30 Amp 125V	 5-15R 15 Amp 125V	"Y" adapter, permits the use of two 15 amp 125V cable sets in one 30 amp 125V locking receptacle, 12/3 STOW-A cord, yellow
3015	5-15P 15 Amp 125V	L5-30R 30 Amp 125V	Permits the use of 30 amp 125V locking cable set with 15 amp straight blade receptacle, 12/3 type ST cord, yellow
1530	L5-30P 30 Amp 125V	5-20R 20 Amp 125V	Permits the use of 15 or 20 amp straight blade cable set with 30 amp 125V locking receptacle, 12/3 type ST cord, yellow
2128-CR	5-15P 15 Amp 125V	L5-20R 20 Amp 125V	Permits the use of 20 amp 125V locking cable set with 15 amp 125V straight blade receptacle, 10/3 type ST cord, yellow
2129-CR	L5-20P 20 Amp 125V	5-20R 20 Amp 125V	Permits the use of 15 or 20 amp straight blade cable set with 20 amp 125V locking receptacle, 10/3 type ST cord, yellow

CAUTION:
THE USE OF ADAPTERS RECOMMENDED ONLY WITHIN THE FOLLOWING CONDITIONS:
A. When the supply and equipment are of the same voltage rating.
B. When the total amperage drawn does not exceed the lowest amperage rated device of the adapter.
C. When the grounding continuity and polarity are maintained.

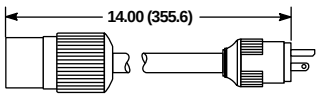
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



530Y515



3015/1530



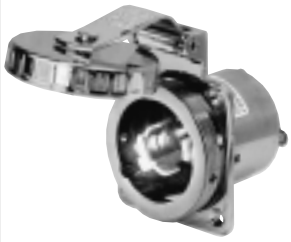
2128-CR/2129-CR

The adapters shown on this page are not UL Listed.
Specifications are subject to change without notice.

BRYANT

2 Pole 3 Wire Grounding
50 Amp 125V
Corrosion-Resistant Locking Devices

6370-CR



6372-CR

6361-CR

6360-CR

Features - Specifications

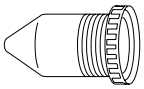
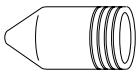
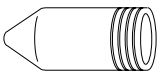
RECEPTACLE
- Casing and mounting strap nickel-plated brass
- Copper-alloy contacts are nickel-plated
- Pressure-type terminals
- Stainless steel terminal screws
- Thermoset body
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

PLUG AND CONNECTOR
- Casing and cord grip nickel-plated brass
- Nickel-plated copper-alloy blades/contacts
- Stainless steel terminal screws
- Thermoset body
- Pressure-type terminals
- Devices are keyed for proper assembly
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

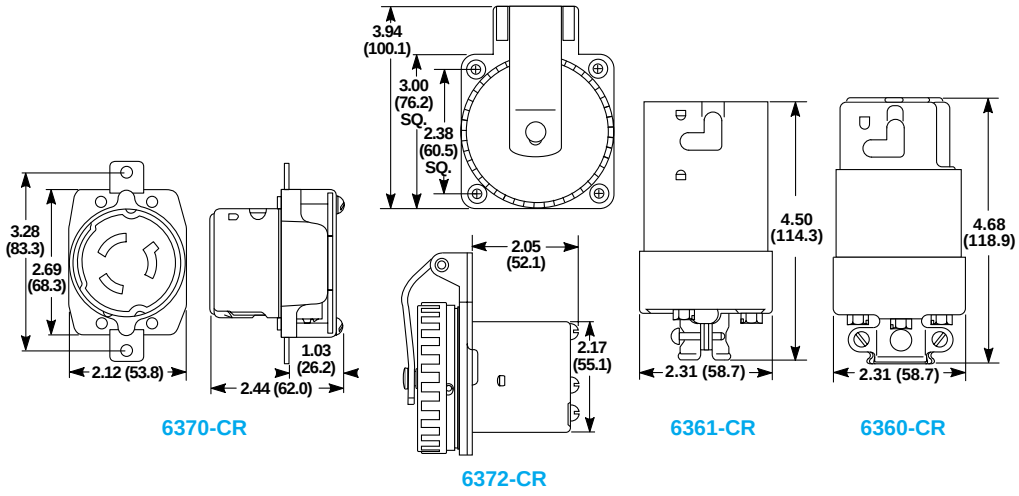
POWER INLET
- Chrome-plated brass plate and cover assembly
- Nickel-plated copper-alloy blades and terminals
- Stainless steel terminal screws
- Mounting screws and neoprene gasket supplied
- Pressure-type terminals
- Thermoset body
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

CATALOG NUMBER①	CORD DIA.	DESCRIPTION
6370-CR	—	Single receptacle, nickel-plated brass
6372-CR	—	Power inlet, chrome-plated brass
6361-CR	.437-1.140 (11.1-29.0)	Plug, nickel-plated brass
6360-CR	.437-1.140 (11.1-29.0)	Connector body, nickel-plated brass

WEATHER PROTECTIVE BOOTS②

	CATALOG NUMBER	DESCRIPTION
	7715-CR	Yellow neoprene boot with threaded ring for 6360-CR when used with 6372-CR power inlet
	7716-CR	Yellow neoprene boot for 6361-CR plug
	7717-CR	Yellow neoprene boot for 6360-CR connector bodies when used on extension cords or adapters

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



①See page H-15 for boxes, covers and adapters.
②See page H-13 for more information on boots.
Specifications are subject to change without notice.

BRYANT

3 Pole 4 Wire Grounding
50 Amp 125/250V
Corrosion-Resistant Locking Devices

6369-CR

6374-CR

6365-CR

6364-CR

Features - Specifications

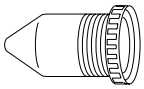
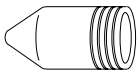
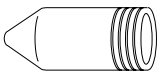
RECEPTACLE
- Casing and mounting strap nickel-plated brass
- Copper-alloy contacts are nickel-plated
- Pressure-type terminals
- Stainless steel terminal screws
- Thermoset body
- Mounts in F.S. and F.D. boxes
- UL Listed File #E2258 – Guide #RTRT
- CSA Certified

PLUG AND CONNECTOR
- Casing and cord grip nickel-plated brass
- Nickel-plated copper-alloy blades/contacts
- Stainless steel terminal screws
- Thermoset body
- Pressure-type terminals
- Devices are keyed for proper assembly
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

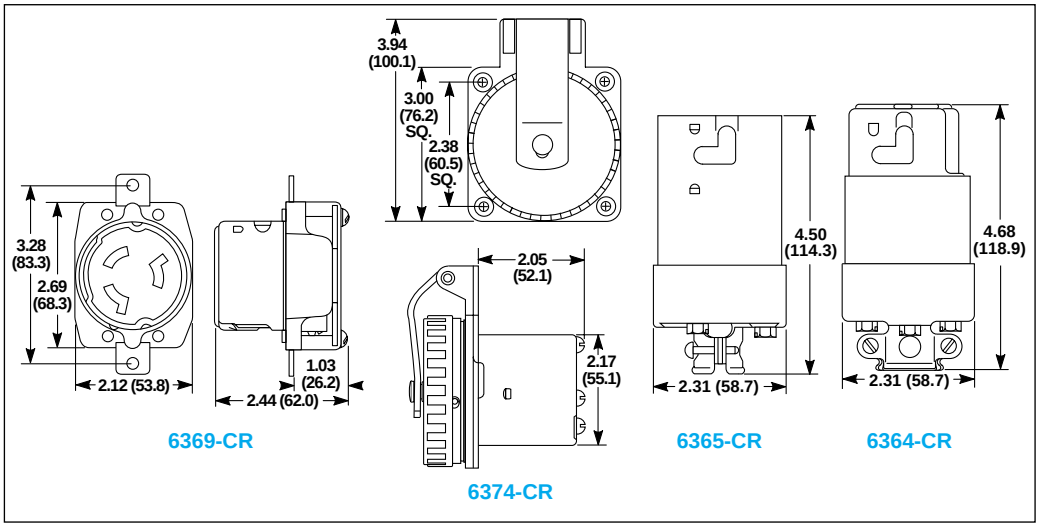
POWER INLET
- Chrome-plated brass plate and cover assembly
- Nickel-plated copper-alloy blades and terminals
- Stainless steel terminal screws
- Mounting screws and neoprene gasket supplied
- Pressure-type terminals
- Thermoset body
- UL Listed File #E1381 – Guide #AXUT
- CSA Certified

CATALOG NUMBER①	CORD DIA.	DESCRIPTION
6369-CR	—	Single receptacle, nickel-plated brass
6374-CR	—	Power inlet, chrome-plated brass
6365-CR	.437-1.140 (11.1-29.0)	Plug, nickel-plated brass
6364-CR	.437-1.140 (11.1-29.0)	Connector body, nickel-plated brass

WEATHER PROTECTIVE BOOTS②

	CATALOG NUMBER	DESCRIPTION
	7715-CR	Yellow neoprene boot with threaded ring for 6364-CR when used with 6374-CR power inlet
	7716-CR	Yellow neoprene boot for 6365-CR plug
	7717-CR	Yellow neoprene boot for 6364-CR connector bodies when used on extension cords or adapters

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

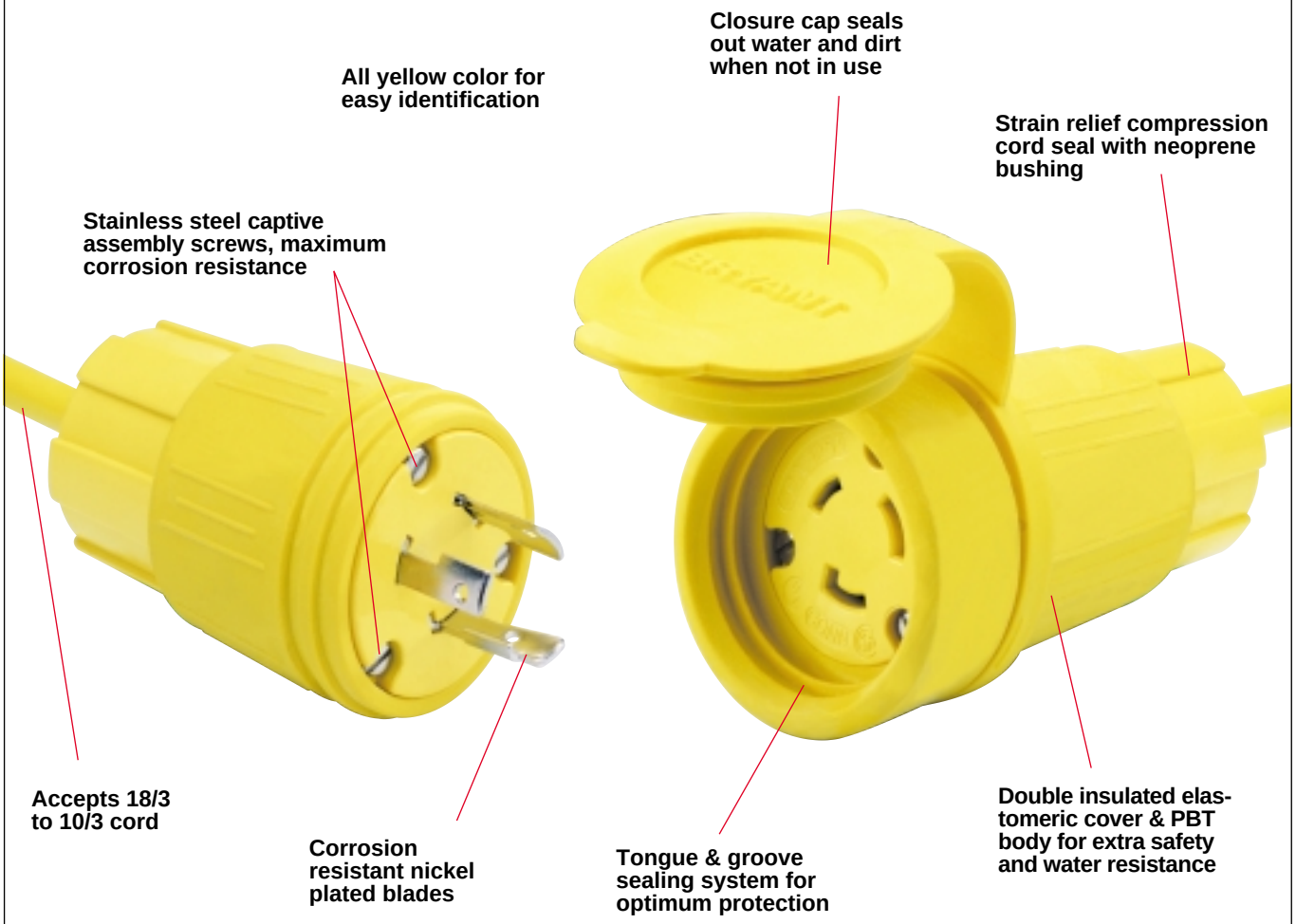


①See page H-15 for boxes, covers and adapters.
②See page H-13 for more information on boots.
Specifications are subject to change without notice.

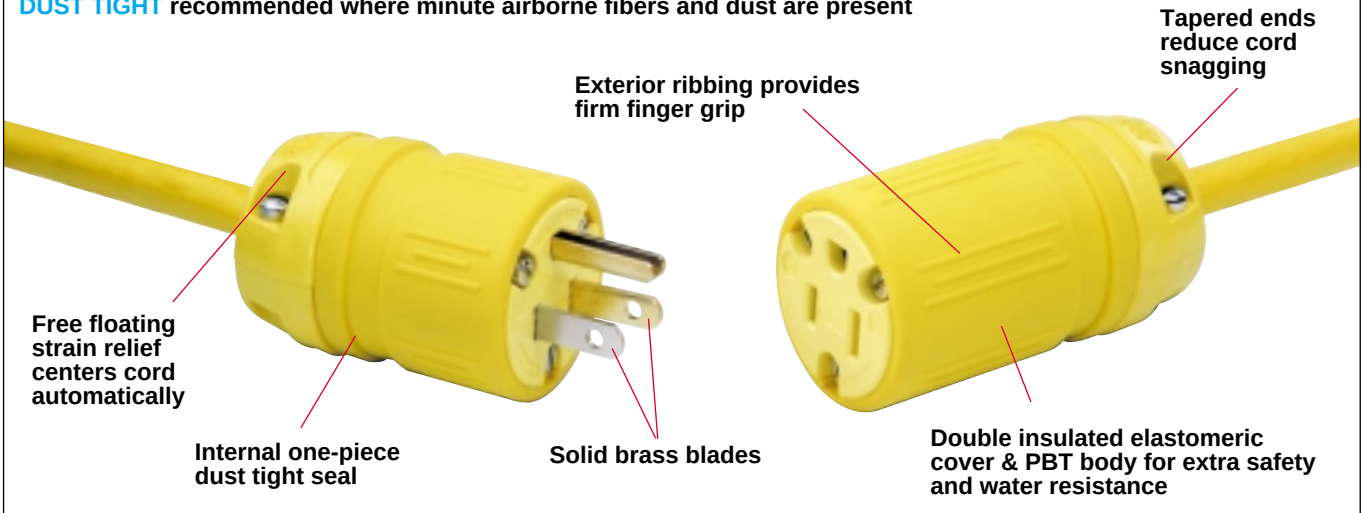
BRYANT

Product Features
Watertight/Dust Tight Elastomeric Plugs and Connectors

WATERTIGHT recommended where moisture exists or casual submersion is possible



DUST TIGHT recommended where minute airborne fibers and dust are present



BRYANT

NEMA 5-15 | NEMA 5-20 | NEMA L5-15 | NEMA L5-20

2 Pole 3 Wire Grounding Water/Dust-Tight

Elastomeric Plugs and Connectors

ALL PRODUCTS NEW

14W47BRY

15W47BRY

2447BRY

2547BRY

Features - Specifications

WATERTIGHT

- High visibility yellow thermo-plastic elastomeric housing
- Rugged PBT interiors provide excellent resistance to moisture and temperatures
- Tongue and groove plug to connector sealing system for optimum protection
- Nickel-plated contacts and blades
- Stainless steel captive assembly screws
- Accepts 18/3 to 10/3 cord

WATER/DUST-TIGHT

- Comply with NEMA standards WD-1, WD-6, and UL498, UL544
- UL File #E1381 Guide AXUT
- CSA Certified File #LR16215 Guide 20T2
- Meets NEC requirements 400-10, 410-56(e), (f), & (A), 410-58 (a), (b), & (d)
- Meets OSHA requirements 1926.405 (J)

DUST-TIGHT

- One-piece molded elastomeric cover with integral dust seal
- Free floating strain relief centers cord automatically
- Tapered ergonomic body style reduces cord snags
- Solid brass blades and contacts
- Stainless steel captive assembly screws
- Back wire transparent wiring wells
- Rugged PBT interiors provide excellent resistance to dust particles

WATERTIGHT

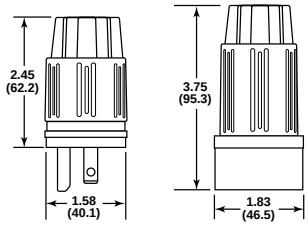
CATALOG NUMBER		AMPS VOLTS	NEMA	DESCRIPTION
PLUG	CONNECTOR			
14W47BRY	15W47BRY	15A 125V	5-15	Straight blade, high visibility yellow
24W47BRY	25W47BRY	15A 125V	L5-15	Locking, high visibility yellow
14W33BRY	15W33BRY	20A 125V	5-20	Straight blade, high visibility yellow
24W33BRY	25W33BRY	20A 125V	L5-20	Locking, high visibility yellow

DUST-TIGHT

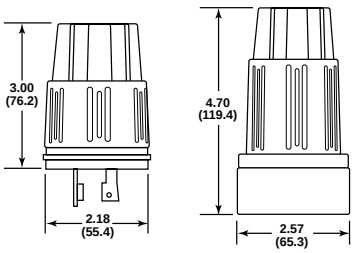
1447BRY	1547BRY	15A 125V	5-15	Straight blade, high visibility yellow
2447BRY	2547BRY	15A 125V	L5-15	Locking, high visibility yellow
1433BRY	1533BRY	20A 125V	5-20	Straight blade, high visibility yellow
2433BRY	2533BRY	20A 125V	L5-20	Locking, high visibility yellow

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

WATERTIGHT

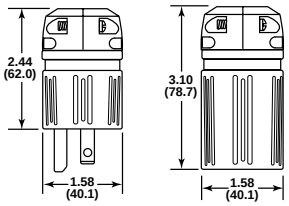


15 and 20 Amp Straight Blade
15 Amp Locking

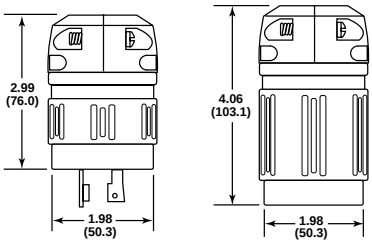


20 Amp Locking

DUST-TIGHT



15 and 20 Amp Straight Blade
15 Amp Locking



20 Amp Locking

Specifications are subject to change without notice.

Weather Protective Boots

5200-BPB, 5200-BSRB, 5200-BCB

5200-BCR

7400-BCR

7460-BP, 7460-BC

Features - Specifications

WEATHER PROTECTIVE BOOTS (5200 BP, BC and BSR Series)

- For use with Bryant Tech-Spec® and 5900 Series straight blade plugs and connectors
- Help prevent moisture, dust and other contaminants from infiltrating plugs and connectors
- Available in high-visibility yellow or standard black
- Thermoplastic elastomer construction
- Excellent ozone and weather resistance
- Resistant to deterioration by oils and heat
- Connector sealing ring provides extra protection when plug and connector are not mated
- Ribbed exterior provides firm grip

WEATHER PROTECTIVE BOOTS

CATALOG NUMBER	DESCRIPTION
5200-BP	Yellow thermoplastic elastomer boot for use with 15 amp nylon locking and straight blade plugs
5200-BC	Yellow thermoplastic elastomer boot for use with 15 amp nylon locking and straight blade connectors
5200-BSR	Yellow thermoplastic elastomer sealing ring for use with 5200-BC connector boot
5200-BPB	Black thermoplastic elastomer boot for use with 15 amp nylon locking and straight blade plugs
5200-BCB	Black thermoplastic elastomer boot for use with 15 amp nylon locking and straight blade connectors
5200-BSRB	Black thermoplastic elastomer sealing ring for use with 5200-BCB connector boot
5200-BCR①	Yellow neoprene boot for use with 15 amp nylon locking plugs and connectors
7400-BCR	Yellow neoprene boot for use with 2-pole 2-wire straight blade nylon plug and connector and nylon midget locking plugs and connectors. NEMA 1-15, ML-2 and ML-3
7460-BP	Black thermoplastic elastomer boot for use with 7465-N plug when used with 7464-N connector or 7468-N female equipment receptacle. Also for use with connector when used with 7466-N male base.
7460-BC	Black thermoplastic elastomer boot for use with 7464-N connector when used with 7465-N plug

ADAPTER SLEEVES

CATALOG NUMBER	DESCRIPTION
5200-S	Rubber adapter sleeve, strain relief, black, for Triple-Gripper nylon plugs and connectors
9700-S	Rubber adapter sleeve, strain relief, white, for use with 2-pole 2-wire straight blade nylon plug and connector and midget locking nylon plugs and connectors. NEMA 1-15, ML-2 and ML-3

① To be discontinued when supplies are exhausted.

Specifications are subject to change without notice.

Weather Protective Boots

NEW! 72002-BP, 72002-BSR, 72002-BC

NEW! 72002-M

7716-B, 7717-B

7717-N, 510-BSR, 7717-N

7716-CR, 7717-CR

7715-CR

Features - Specifications

WEATHER PROTECTIVE BOOTS (72002 Series)

- Help prevent moisture, dust and other contaminants from infiltrating plugs and connectors
- Chemical/UV-resistant neoprene construction
- High-visibility yellow
- Ribbed exterior provides firm grip
- Sealing ring seals connector when not mated
- Cat. #72002-M has non-metallic sealing ring for use with marine shore power inlets
- For use with Bryant Triple-Gripper 20 and 30 amp nylon plugs and connectors

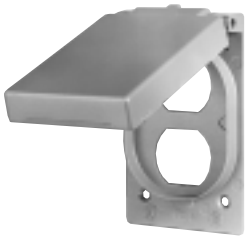
WEATHER PROTECTIVE BOOTS

CATALOG NUMBER	DESCRIPTION
72002-BPB 72002-BP	Black neoprene boot for use with 20 and 30 amp nylon locking plugs Yellow neoprene boot for use with 20 and 30 amp nylon locking plugs
72002-BCB 72002-BC	Black neoprene boot for use with 20 and 30 amp nylon locking connectors Yellow neoprene boot for use with 20 and 30 amp nylon locking connectors
72002-BSRB 72002-BSR	Black neoprene sealing ring seals connector Yellow neoprene sealing ring seals connector
72002-M	Yellow neoprene boot with threaded nonmetallic sealing ring for use with 20 and 30 amp nylon locking connector when used with 70520-MPI and 70530-MPI power inlets
7716-B①	Black elastomer weather protective boot for 50 amp plugs when used in a cord set, and connectors when used with flanged inlets
7717-B①	Black elastomer weather protective boot for 50 amp connectors when used in a cord set
7717-N②	Yellow boot, vinyl-based compound for use with 50 amp N Series locking plugs and connectors
510-BSR②	Black sealing ring seals N Series plug and connector boots
7716-CR③	Yellow neoprene boot for use with corrosion-resistant 50 amp armored locking plugs (when used with receptacle). Also, 50 amp armored locking connector (when used with male base, or plug with 7717-CR long boot)
7717-CR③	Yellow neoprene boot for use with corrosion-resistant 50 amp armored locking plug (when used with connector)
7715-CR③	Yellow neoprene boot with threaded chrome-plated brass sealing ring for use with corrosion-resistant 50 amp connector when used with 6372-CR and 6374-CR power inlets

①See pages G-18, G-20, G-34 and G-36.
②See pages G-19, G-21, G-35 and G-37.
③See pages H-8 and H-9.

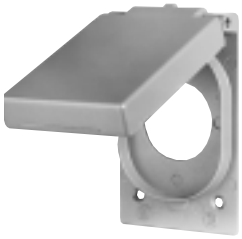
Specifications are subject to change without notice.

Industrial Weatherproof Covers



4510-B

4510-D



7420-B

23007

7770

Features - Specifications

- Rugged die-cast aluminum construction with gray epoxy finish provides excellent corrosion resistance
- Self-closing lift lid cover with heavy-duty stainless steel spring assures maximum weatherproof protection
- All weatherproof covers are furnished complete with mounting screws (nickel-plated brass) and gaskets
- F.S. and F.D. box mounting
- UL Listed, wet, damp and dry locations when closed

INDUSTRIAL, CAST ALUMINUM OUTDOOR PLATES, VERTICAL, F.S. MOUNTING

CATALOG NUMBER	APPLICATION
4510-B	Duplex receptacle opening
4510-D	GFI/Fashion NEMA 1.3" (33.0) x 2.6" (66.0) opening
7418-B	1.40" (35.6) dia. opening, 15 and 20 amp single receptacle
7420-B	1.62" (41.1) dia. opening, 20 and 30 amp locking receptacle
7427-B	2.15" (54.6) dia. opening, 30 and 50 amp, 3-wire power receptacles
7429-B	2.31" (58.7) dia. opening for “MBWP” inlets
7770	50 amp standard locking receptacles
23007	20 amp power interrupting, locking receptacles
20405	30 amp power interrupting, locking receptacles

HORIZONTAL F.S. AND DEVICE MOUNTING

5210-B	Duplex receptacle, device mounted
5211-B	Duplex receptacle, F.S. mounting

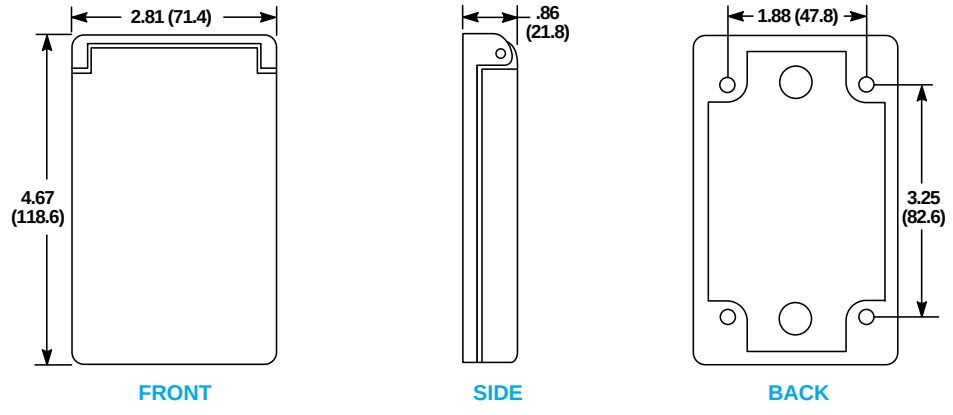
INDUSTRIAL, POLYCARBONATE OUTDOOR PLATE, VERTICAL, F.S. MOUNTING

7774-CR①②	50 amp “CS” or standard locking receptacles

RECOMMENDED WEATHER PROTECTIVE COVERS

7418-B		7420-B			7427-B	7770/7774-CR	7774-CR
556	8310	70520-FR	71230-FR	72120-FR	9530-FR	3771	CS6369
5261	7250	70620-FR	71330-FR	72220-FR	9630-FR	7379	CS6370
5251	5284	70720-FR	71420-FR	72320-FR	9303	3769	CS8169
5661	5258	70820-FR	71520-FR	72130-FR	9306	6369-CR	CS8269
5361	5684	70920-FR	71620-FR	72230-FR	9550-FR	6370-CR	CS8369
5351	5384	70530-FR	71430-FR	72330-FR	9650-FR		CS8469
5461	5484	70630-FR	71530-FR	3330			CS6369-N
4710	5261-IG	70730-FR	71630-FR	3430			CS6370-N
4760	5361-IG	70830-FR	71730-FR	3520			CS8169-N
7582	7535	70930-FR	71820-FR	7410			CS8269-N
7310	70615-FR	71020-FR	71920-FR	40045-FR			CS8369-N
8210		71120-FR	72020-FR	FSL1-FR			CS8469-N
		71220-FR	71830-FR	FSL2-FR			
		71030-FR	71930-FR	FSL3-FR			
		71130-FR	72030-FR	FSL4-FR			

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



①“CS” 50 amp locking receptacles require this cover.
②Outline drawing is shown on page H-15.

Specifications are subject to change without notice.

6080

6083-CR
6084-CR

7774-CR

Features - Specifications

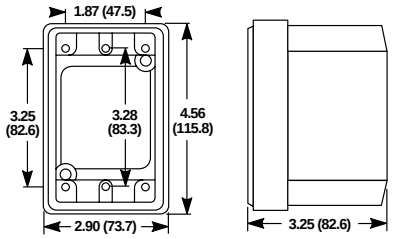
CONDUIT BOXES AND COVERS (6080, 6087)
- Heavy-duty phenolic construction
- 150˚C heat rated
- Sutable for wet or damp locations

MARINE DOCKSIDE BOXES (6083-CR, 6084-CR)
- Rugged fiberglass construction
- Available with 3/4" (19.1) or 1" (25.4) threaded knockouts
- High-visibility yellow
- 22-cubic inch capacity

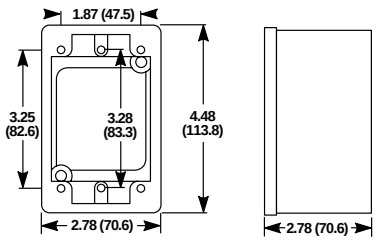
WEATHER PROTECTIVE COVER (7774-CR)
- Rugged polycarbonate construction
- High-visibility yellow
- Stainless steel screws
- Neoprene gasket

CATALOG NUMBER	DESCRIPTION
6080	Black phenolic F.S. box with two 3/4" (19.1) threaded knockouts
6087	Black phenolic blank cover for F.S. and F.D. boxes with gasket and stainless steel mounting screws
6083-CR	Yellow fiberglass F.D. box with two 3/4" (19.1) threaded knockouts
6084-CR	Yellow fiberglass F.D. box with two 1" (25.4) threaded knockouts
6075-CR	Adapter plate, used to mount power inlets to F.S. and F.D. boxes
7774-CR	Yellow fiberglass weather-protective plate with lift lid, for 50 ampere receptacles, fits F.S. and F.D. boxes

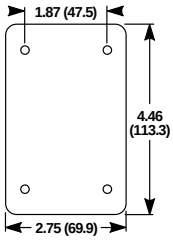
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions

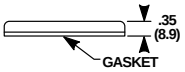


6083-CR/6084-CR

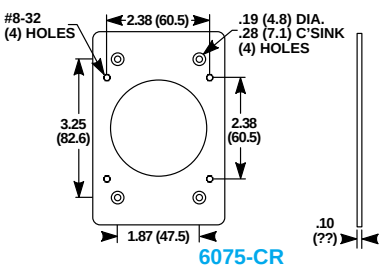


6080

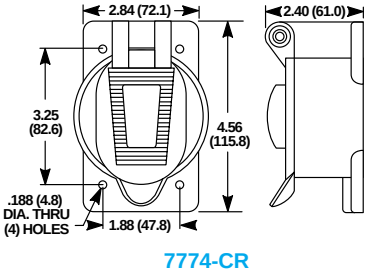




6087



6075-CR



7774-CR

DOCKSIDE

Ship to Shore

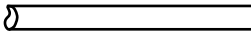
20 Amp 125V NEMA L5-20

7420-B

70520-FRCR

70520-NPCR

72002-BP



30 Amp 125V NEMA L5-30

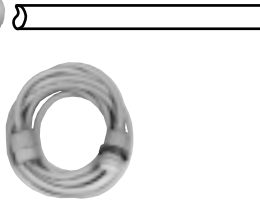
7420-B

70530-FRCR

70530-NPCR

72002-BP

530-MCS, 50 Ft. Cord Set
530-MCS-25, 25 Ft. Cord Set



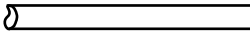
50 Amp 125V

7774-CR

6370-CR

6361-CR

7716-CR



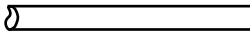
50 Amp 125/250V

7774-CR

6369-CR

6365-CR

7716-CR

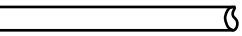


Specifications are subject to change without notice.

WIRING DEVICES

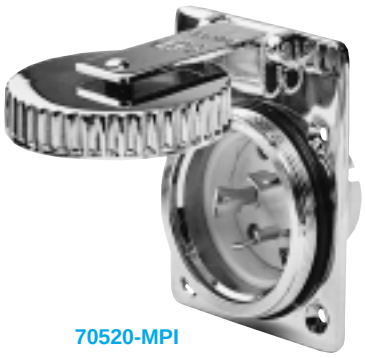
Connections

BOAT

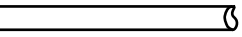


72002-M

70520-NCCR

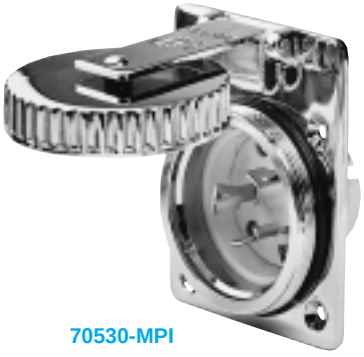


70520-MPI

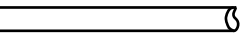


72002-M

70530-NCCR



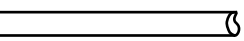
70530-MPI



7715-CR

6360-CR

6372-CR



7715-CR

6364-CR

6374-CR

Section I

PIN & SLEEVE

Section I Index

PIN & SLEEVE

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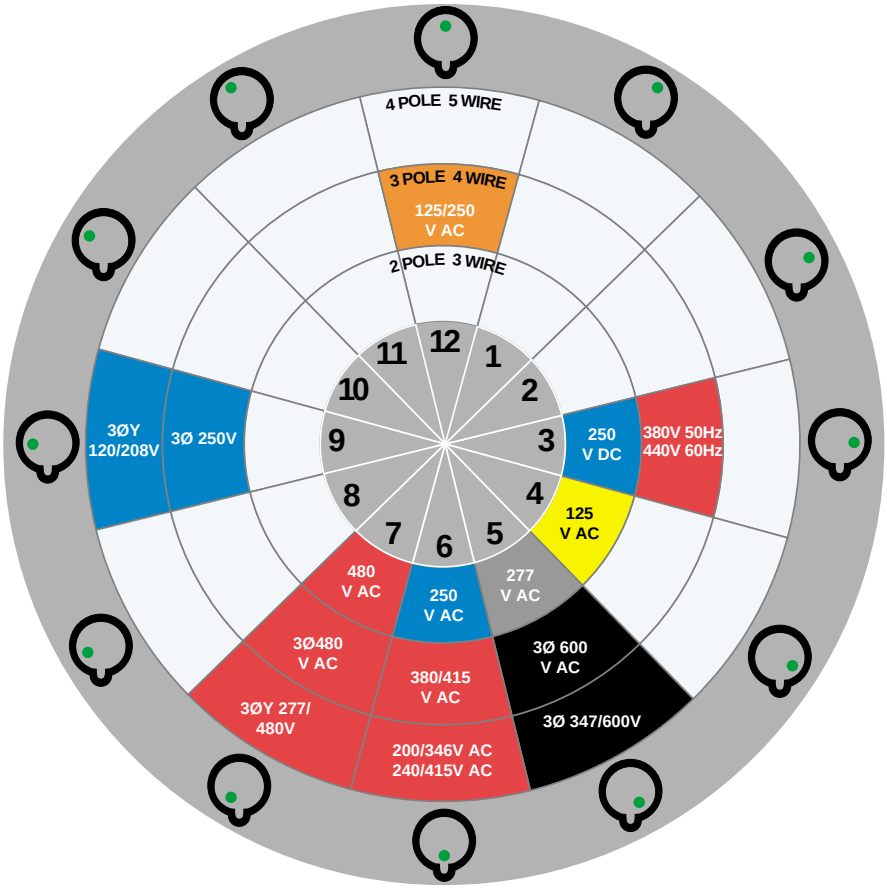
IEC CONFIGURATIONS MAKE SAFE CONNECTIONS AS EASY AS CLOCKWORK

Bryant's Pin & Sleeve line safeguards against mismating devices of different amperage and voltage ratings. Conformance with IEC 309-1 and IEC 309-2 international standards results in a singly-rated, non-interchangeable configuration for each amperage/voltage type.

A housing size has been specified for each amperage rating. The voltage rating can be identified by the clock position of the female grounding contact relative to the housing keyway. With the keyway always positioned at 6 o'clock, the female grounding contact is located at a specific clock position for each voltage rating. For example, the female grounding contact for a 125V device is located at the 4 o'clock position. The location of the corresponding male pin is a mirror image of the female device and is located at the 8 o'clock position. In addition, device housings are color-coded by voltage rating for easy identification (see clock chart at right).

RATED VOLTAGE	COLOR
100V-130V	
200V-250V	
380V-480V	
277V	
125V/250V	
500V and above	



The housing keyway is always located at the 6 o'clock position and is clearly visible to the user.

Catalog Numbering System: Receptacles, Plugs, Connectors, and Inlets

4	30	P	7	W

WIRES	AMPERAGE RATING NORTH AMERICAN	DEVICE TYPE	CLOCK POSITION	ENVIRONMENTAL CLASSIFICATION
3 4 5	20 30 60 100	**P** - Plug **C** - Connector **R** - Receptacle **B** - Inlet	Clock Position of Female Grounding Contact	**W** - Watertight **S** - Splashproof
	INTERNATIONAL			
	16 32 63 125			

Product Features
Watertight Pin & Sleeve Plug

IP67

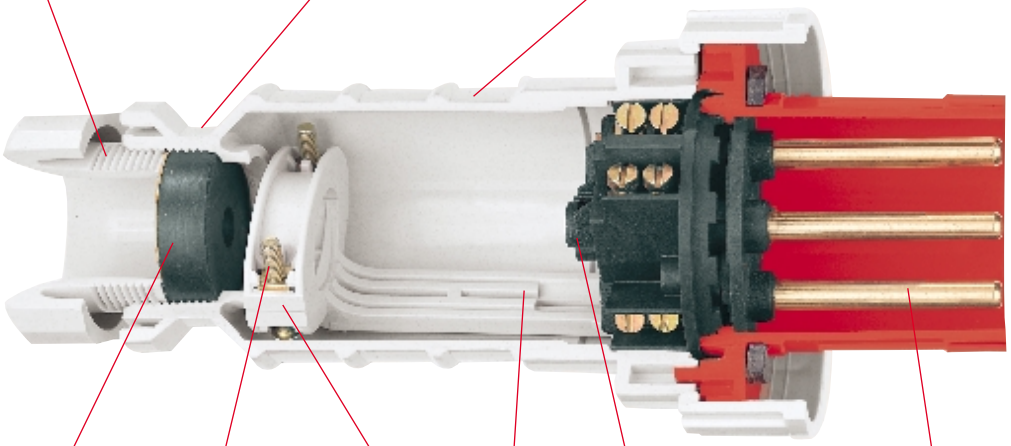
Devices conform to IEC 309-1 and 309-2 International Standards for singly-rated, non-interchangeable configurations for each amperage/ voltage type. Prevents mismating of devices with different voltages.

Catalog numbers and ratings are included on each device

Insulated, impact-resistant, toughened nylon housing protects against cracking, warping, corrosion, and chemical abrasion

No exposed metal screws or clamps on hand-held side promotes safe handling and prevents snagging

Gland nut and body have opposing thread profiles to prevent pull-out and reduce wear (available in most ratings)



Neoprene sealing glands provide watertight seal at cord entry. Accommodates varying cord diameters

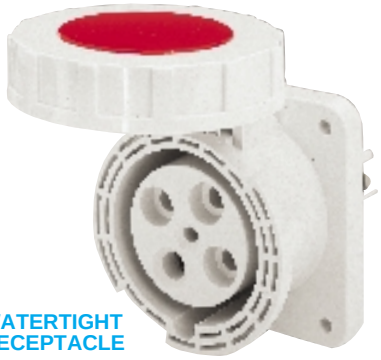
Terminals are clearly marked for easy identification

Cord clamp screws fasten into threaded, plated steel nuts to prevent strip-out

Internal "swing-away" strain relief clamp assembly simplifies cord/terminal wiring. Cord clamp is not exposed to abuse or impact.

Pins are fabricated from solid brass for longevity, contact reliability, and superior conductivity. Shrouded housing helps protect pins from contaminents and abuse.

460P7W



WATERTIGHT RECEPTACLE

External housing key on male devices mates with keyway on female devices to provide proper alignment and simplify the connection of devices. The keyway is always located at the 6 o'clock position and is clearly visible to the user, helping to prevent the mismating of devices with different ratings.

HOUSING KEYWAY →

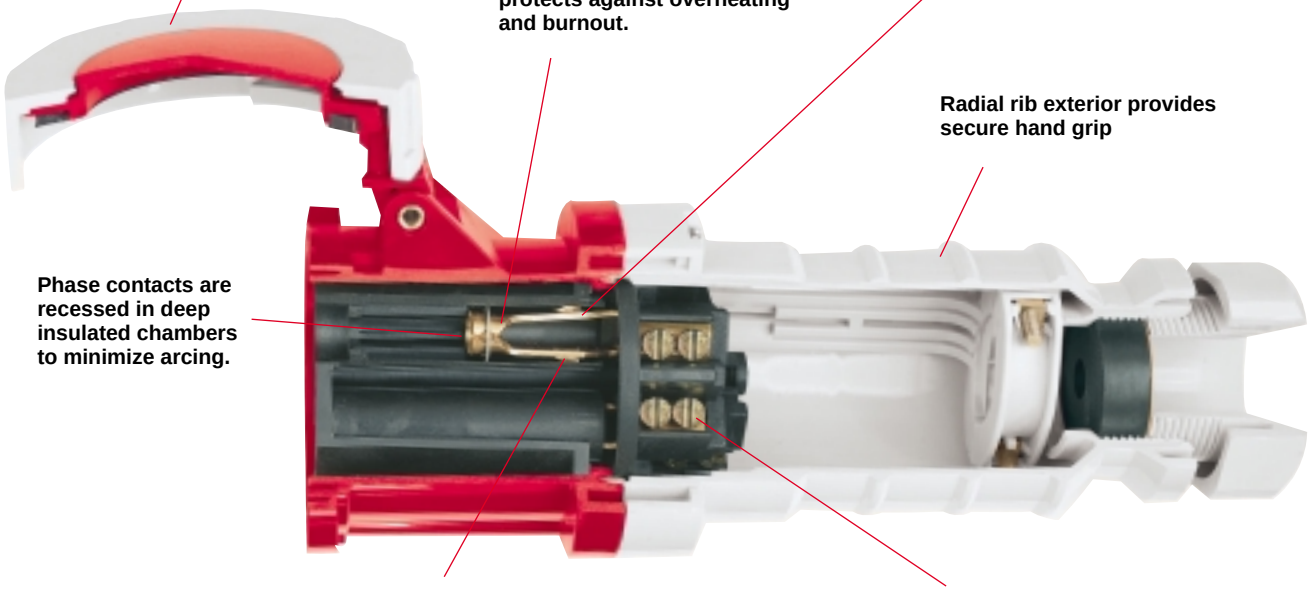
Product Features
Watertight Pin & Sleeve Connector

Spring-loaded gasketed cover keeps connectors and receptacles protected from moisture and contaminants when disconnected

Self-adjusting contacts provide accurate pin insertion. Contact produces self-cleaning effect as pin is inserted and withdrawn from sleeve. Clean connection protects against overheating and burnout.

Contact carrier resists arcing and heat-buildup under high temperatures

Radial rib exterior provides secure hand grip



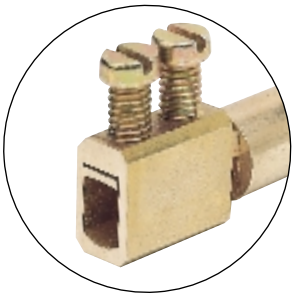
Phase contacts are recessed in deep insulated chambers to minimize arcing.

Ground contact in forward position ensures first make, last break. Neutral contact connects next, then phase contacts.

Terminal screws are backed out for easy assembly

Bryant's exclusive Kontex-Plus 60A and 100A contact design features a well-defined contact area and a stainless steel clip to provide more consistent contact pressure. This unique design allows for the use of higher conductivity material.

Box terminal design with pressure plate (60 and 100A) permits greater clamping pressure without damaging conductors. Two clamping screws provide secure terminations.



460C7W

SWING-AWAY CORD CLAMP

Wiring is simplified with swing-away cord clamp. Strain relief clamp assembly swings out for greater access when terminating individual conductors and securing cord clamp. Retaining strap maintains position of upper strain relief during assembly. Includes additional inserts to accommodate cords of varying diameters.

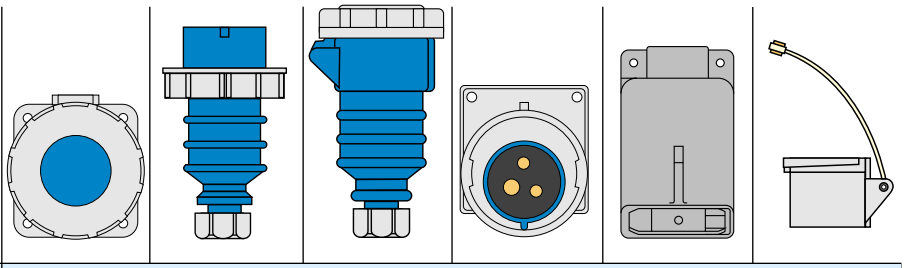
WATERTIGHT INLET

NOM IP67 CE

WATERTIGHT

20 AMP/30 AMP 60 AMP

North American Ratings



AMPS	POLES AND WIRES	CONFIGURATION Recep./ Conn.	CONFIGURATION Plug/ Inlet	VOLTAGE	WATERTIGHT DEVICES RECEPTACLE	PLUG	CONNECTOR	INLET	BACK BOX	CLOSURE CAP③
20	2P 3W			125V AC	320R4W	320P4W	320C4W	320B4W	BB201W① BB301W①	CC320
	2P 3W			250V AC	320R6W	320P6W	320C6W	320B6W	BB201W① BB301W①	CC320
	2P 3W			480V AC	320R7W	320P7W	320C7W	320B7W	BB201W① BB301W①	CC320
	3P 4W			125/250V AC	420R12W	420P12W	420C12W	420B12W	BB201W① BB301W①	CC420
	3P 4W			3Ø250	420R9W	420P9W	420C9W	420B9W	BB201W① BB301W①	CC420
	3P 4W			3Ø480	420R7W	420P7W	420C7W	420B7W	BB201W① BB301W①	CC420
	3P 4W			3Ø600	420R5W	420P5W	420C5W	420B5W	BB201W① BB301W①	CC420
	4P 5W			3ØY120/208	520R9W	520P9W	520C9W	520B9W	BB201W① BB301W①	CC330
	4P 5W			3ØY277/480	520R7W	520P7W	520C7W	520B7W	BB201W① BB301W①	CC330
30	2P 3W			125V AC	330R4W	330P4W	330C4W	330B4W	BB201W① BB301W①	CC330
	2P 3W			250V AC	330R6W	330P6W	330C6W	330B6W	BB201W① BB301W①	CC330
	2P 3W			480V AC	330R7W	330P7W	330C7W	330B7W	BB201W① BB301W①	CC330
	3P 4W			125/250V AC	430R12W	430P12W	430C12W	430B12W	BB201W① BB301W①	CC330
	3P 4W			3Ø250	430R9W	430P9W	430C9W	430B9W	BB201W① BB301W①	CC330
	3P 4W			3Ø480	430R7W	430P7W	430C7W	430B7W	BB201W① BB301W①	CC330
	3P 4W			3Ø600	430R5W	430P5W	430C5W	430B5W	BB201W① BB301W①	CC330
	4P 5W			3ØY120/208	530R9W	530P9W	530C9W	530B9W	BB201W① BB301W①	CC530
	4P 5W			3ØY277/480	530R7W	530P7W	530C7W	530B7W	BB201W① BB301W①	CC530
60	2P 3W			125V AC	360R4W	360P4W	360C4W	360B4W	BB601W② BB602W②	CC560
	2P 3W			250V AC	360R6W	360P6W	360C6W	360B6W	BB601W② BB602W②	CC560
	2P 3W			480V AC	360R7W	360P7W	360C7W	360B7W	BB601W② BB602W②	CC560
	3P 4W			125/250V AC	460R12W	460P12W	460C12W	460B12W	BB601W② BB602W②	CC560
	3P 4W			3Ø250	460R9W	460P9W	460C9W	460B9W	BB601W② BB602W②	CC560
	3P 4W			3Ø480	460R7W	460P7W	460C7W	460B7W	BB601W② BB602W②	CC560
	3P 4W			3Ø600	460R5W	460P5W	460C5W	460B5W	BB601W② BB602W②	CC560
	4P 5W			3ØY120/208	560R9W	560P9W	560C9W	560B9W	BB601W② BB602W②	CC560
	4P 5W			3ØY277/480	560R7W	560P7W	560C7W	560B7W	BB601W② BB602W②	CC560
	4P 5W			3ØY347/600	560R5W	560P5W	560C5W	560B5W	BB601W② BB602W②	CC560

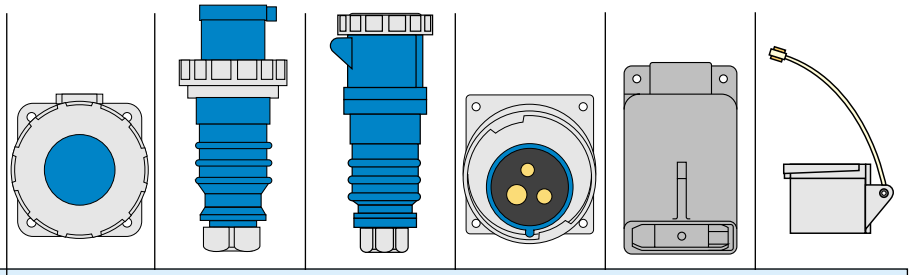
① Requires AP2030 adapter plate - order separately. Also see Direct Mounting Back Box (DM20301) page I-13.
② Requires AP60 adapter plate - order separately. Also see Direct Mounting Back Box (DM602) page I-13.
③ For use with plugs and inlets. Provides watertight protection.

Ordering Data
Watertight Pin & Sleeve Devices

NOM IP67 CE

WATERTIGHT

100 AMP
North American Ratings



AMPS	POLES AND WIRES	CONFIGURATION Recep./ Conn.	CONFIGURATION Plug/ Inlet	VOLTAGE	WATERTIGHT DEVICES RECEPTACLE	PLUG	CONNECTOR	INLET	BACK BOX	CLOSURE CAP④
100	2P 3W			250V AC	3100R6W	3100P6W	3100C6W	3100B6W	BB1001W③ BB1002W③	CC510
	2P 3W			480V AC	3100R7W	3100P7W	3100C7W	3100B7W	BB1001W③ BB1002W③	CC510
	3P 4W			125/250V AC	4100R12W	4100P12W	4100C12W	4100B12W	BB1001W③ BB1002W③	CC510
	3P 4W			3Ø250	4100R9W	4100P9W	4100C9W	4100B9W	BB1001W③ BB1002W③	CC510
	3P 4W			3Ø480	4100R7W	4100P7W	4100C7W	4100B7W	BB1001W③ BB1002W③	CC510
	3P 4W			3Ø600	4100R5W	4100P5W	4100C5W	4100B5W	BB1001W③ BB1002W③	CC510
	4P 5W			3ØY120/208	5100R9W	5100P9W	5100C9W	5100B9W	BB1001W③ BB1002W③	CC510
	4P 5W			3ØY277/480	5100R7W	5100P7W	5100C7W	5100B7W	BB1001W③ BB1002W③	CC510

DVE CE NOM IP67

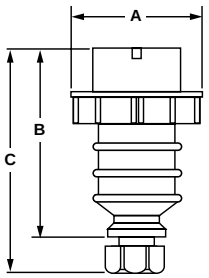
WATERTIGHT

16 AMP/32 AMP/63 AMP/125 AMP
International Ratings

AMPS	POLES AND WIRES	CONFIGURATION Recep./ Conn.	CONFIGURATION Plug/ Inlet	VOLTAGE	WATERTIGHT DEVICES RECEPTACLE	PLUG	CONNECTOR	INLET	BACK BOX	CLOSURE CAP④
16	2P 3W			100-130	316R4W	316P4W	316C4W	316B4W	BB201W① BB301W①	CC320
	2P 3W			200-250	316R6W	316P6W	316C6W	316B6W	BB201W① BB301W①	CC320
	3P 4W			380-415	416R6W	416P6W	416C6W	416B6W	BB201W① BB301W①	CC420
	4P 5W			200/346 240/415	516R6W	516P6W	516C6W	516B6W	BB201W① BB301W①	CC330
32	2P 3W			100-130	332R4W	332P4W	332C4W	332B4W	BB201W① BB301W①	CC330
	2P 3W			200-250	332R6W	332P6W	332C6W	332B6W	BB201W① BB301W①	CC330
	3P 4W			380-415	432R6W	432P6W	432C6W	432B6W	BB201W① BB301W①	CC330
	3P 4W			380V 50Hz 440V 60Hz	432R3W	432P3W	432C3W	432B3W	BB201W① BB301W①	CC330
	4P 5W			200/346 240/415	532R6W	532P6W	532C6W	532B6W	BB201W① BB301W①	CC530
63	2P 3W			200-250	363R6W	363P6W	363C6W	363B6W	BB601W② BB602W②	CC560
	3P 4W			380-415	463R6W	463P6W	463C6W	463B6W	BB601W② BB602W②	CC560
	4P 5W			200/346 240/415	563R6W	563P6W	563C6W	563B6W	BB601W② BB602W②	CC560
125	3P 4W			380-415	4125R6W	4125P6W	4125C6W	4125B6W	BB1001W③ BB1002W③	CC510
	4P 5W			200/346 240/415	5125R6W	5125P6W	5125C6W	5125B6W	BB1001W③ BB1002W③	CC510

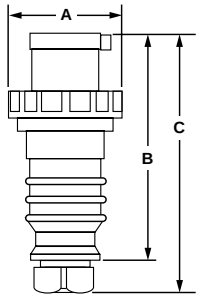
① Requires AP2030 adapter plate - order separately. Also see Direct Mounting Back Box (DM20301) page I-13.
② Requires AP60 adapter plate - order separately. Also see Direct Mounting Back Box (DM602) page I-13.
③ Requires AP100 adapter plate - order separately.
④ For use with plugs and inlets. Provides watertight protection.

20 AMP/30 AMP
WATERTIGHT PLUG



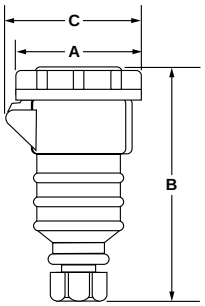
KEY	20 AMP						30 AMP					
	3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
A	2.75	70.5	3.04	78	3.37	86.5	3.67	94	3.67	94	3.96	101.5
B	4.37	112	4.37	112	4.60	118	5.62	144	5.62	144	5.62	144
C	5.42	139	5.42	139	5.66	145	6.67	171	6.67	171	6.67	171
	CABLE GRIP .365" - .625"						CABLE GRIP .565"-.95"					

60 AMP/100 AMP
WATERTIGHT PLUG



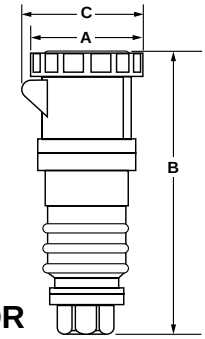
KEY	60 AMP						100 AMP					
	3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
A	4.43	113.5	4.43	113.5	4.43	113.5	4.88	125	4.88	125	4.88	125
B	8.81	226	8.81	226	8.81	226	9.87	253	9.87	253	9.87	253
C	9.91	254	9.91	254	9.91	254	11.15	286	11.15	286	11.15	286
	CABLE GRIP .78"- 1.40"						CABLE GRIP .92"-1.72"					

20 AMP/30 AMP
WATERTIGHT CONNECTOR



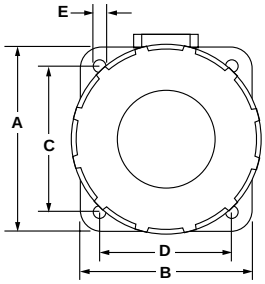
KEY	20 AMP						30 AMP					
	3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
A	2.75	70.5	3.04	78	3.37	86.5	3.67	94	3.67	94	3.96	101.5
B	5.97	153	5.97	153	6.20	159	7.33	188	7.33	188	7.33	188
C	3.00	77	3.24	83	3.63	93	3.86	99	3.86	99	4.17	107
	CABLE GRIP .365" - .625"						CABLE GRIP .565"-.95"					

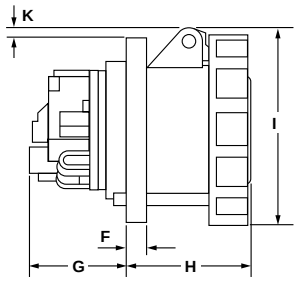
60 AMP/100 AMP
WATERTIGHT CONNECTOR

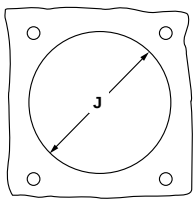


KEY	60 AMP						100 AMP					
	3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
A	4.29	110	4.29	110	4.29	110	4.91	126	4.91	126	4.91	126
B	10.61	272	10.61	272	10.61	272	12.01	308	12.01	308	12.01	308
C	4.43	113.5	4.43	113.5	4.43	113.5	4.99	128	4.99	128	4.99	128
	CABLE GRIP .78"- 1.40"						CABLE GRIP .92"-1.72"					

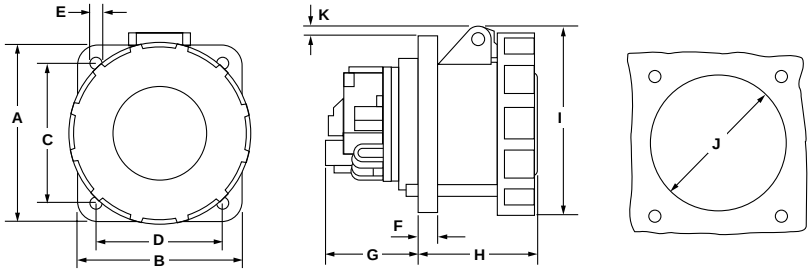
20 AMP/30 AMP
WATERTIGHT RECEPTACLE







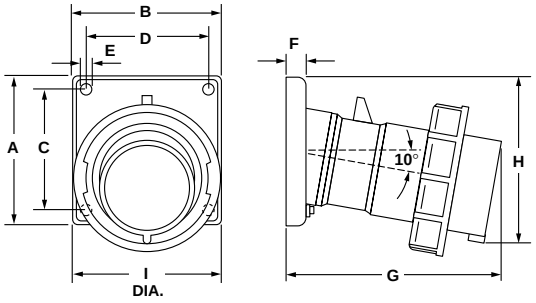
KEY	20 AMP						30 AMP					
	3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
A	2.93	75	2.93	75	2.93	75	2.93	75	2.93	75	2.93	75
B	2.93	75	2.93	75	2.93	75	2.93	75	2.93	75	2.93	75
C	2.34	60	2.34	60	2.34	60	2.34	60	2.34	60	2.34	60
D	2.34	60	2.34	60	2.34	60	2.34	60	2.34	60	2.34	60
E	.22	5.5	.22	5.5	.22	5.5	.22	5.5	.22	5.5	.22	5.5
F	.27	7	.27	7	.27	7	.31	8	.31	8	.31	8
G	.66	17	1.01	26	.66	17	1.40	36	1.40	36	.74	19
H	2.22	57	2.26	58	2.22	57	2.54	65	2.54	65	2.54	65
I	2.96	76	3.24	83	3.63	93	3.9	100	3.9	100	3.9	100
J	1.76	45	1.76	45	2.15	55	2.34	60	2.34	60	2.34	60
K	.14	3.5	.27	7	.45	11.5	.47	12	.47	12	.66	17



60 AMP/100 AMP

WATERTIGHT RECEPTACLE

KEY	60 AMP						100 AMP					
	3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
A	4.17	107	4.17	107	4.17	107	4.68	120	4.68	120	4.68	120
B	3.9	100	3.9	100	3.9	100	4.68	120	4.68	120	4.68	120
C	3.32	85	3.32	85	3.32	85	3.9	100	3.9	100	3.9	100
D	3.00	77	3.00	77	3.00	77	3.9	100	3.9	100	3.9	100
E	.25	6.5	.25	6.5	.25	6.5	.25	6.5	.25	6.5	.25	6.5
F	.47	12	.47	12	.47	12	.82	21	.82	21	.82	21
G	2.20	56.5	2.20	56.5	2.20	56.5	1.95	50	1.95	50	1.95	50
H	2.96	76	2.96	76	2.96	76	4.56	117	4.56	117	4.56	117
I	4.41	113	4.41	113	4.41	113	5.03	129	5.03	129	5.03	129
J	3.43	88	3.43	88	3.43	88	3.62	92	3.62	92	3.62	92
K	.27	7	.27	7	.27	7	.23	6	.23	6	.23	6



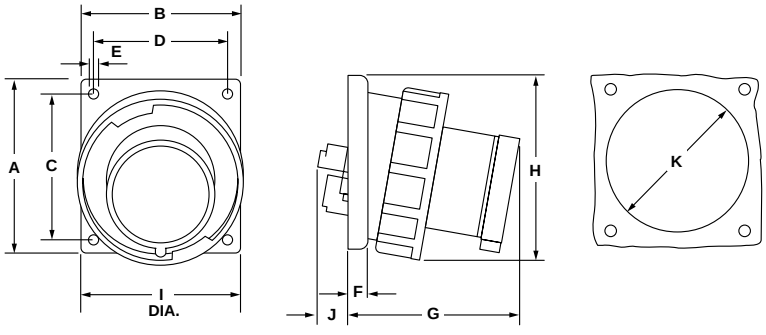
20 AMP/30 AMP/60AMP

WATERTIGHT INLET

KEY	20 AMP						30 AMP						60 AMP					
	3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE		3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
A	3.32	85	3.32	85	3.32	85	3.32	85	3.32	85	3.32	85	4.17	107	4.17	107	4.17	107
B	3.32	85	3.32	85	3.32	85	3.32	85	3.32	85	3.32	85	3.9	100	3.9	100	3.9	100
C	2.73	70	2.73	70	2.73	70	2.73	70	2.73	70	2.73	70	3.32	85	3.32	85	3.32	85
D	2.73	70	2.73	70	2.73	70	2.73	70	2.73	70	2.73	70	3.00	77	3.00	77	3.00	77
E	.25	6.3	.25	6.3	.25	6.3	.25	6.3	.25	6.3	.25	6.3	.25	6.5	.25	6.5	.25	6.5
F	.43	11	.43	11	.43	11	.43	11	.43	11	.43	11	.47	12	.47	12	.47	12
G	4.06	104	4.29	110	4.53	116	4.72	121	4.72	121	4.95	127	6.05	155	6.05	155	6.05	155
H	3.24	83	3.51	90	3.59	92	3.78	97	3.78	97	3.94	101	4.60	118	4.60	118	4.60	118
I	2.75	70.5	3.10	79.5	3.37	86.5	3.71	95	3.71	95	3.96	101.5	4.43	113.5	4.43	113.5	4.43	113.5

100 AMP

WATERTIGHT INLET



KEY	100 AMP					
	3 WIRE		4 WIRE		5 WIRE	
	IN.	MM	IN.	MM	IN.	MM
A	5.07	130	5.07	130	5.07	130
B	4.68	120	4.68	120	4.68	120
C	4.21	108	4.21	108	4.21	108
D	3.9	100	3.9	100	3.9	100
E	.25	6.5	.25	6.5	.25	6.5
F	.51	13	.51	13	.51	13
G	5.07	130	5.07	130	5.07	130
H	5.27	135	5.27	135	5.27	135
I	4.91	126	4.91	126	4.91	126
J	.90	23	.90	23	.90	23
K	4.06	104	4.06	104	4.06	104

Specifications
Watertight Pin & Sleeve Devices

WATERTIGHT

MATERIALS

Receptacle

Housing/Mounting Flange - Toughened Nylon
Cover Arm — Toughened Nylon
Cover Ring — Polycarbonate
Cover Spring — Stainless Steel
Seals/Gaskets — Neoprene, EPDM, TPE
Contact Carrier① — Glass-Reinforced Nylon
Terminal Cover② — Toughened Nylon
Phase/Ground Sleeves — Brass
Sleeve Spring — Nickel-Plated Spring Steel
Hinge Pins — Brass
Mounting Screws — Stainless Steel
Terminal Screws — Plated Steel

Plug

Housing — Toughened Nylon
Cord Clamp Assembly — Toughened Nylon
Gland Nut — Toughened Nylon
Cord Gland — Neoprene
Locking Ring — Polycarbonate
Seals/Gaskets — Neoprene, EPDM, TPE
Contact Carrier① — Glass-Reinforced Nylon
Terminal Cover② — Toughened Nylon
Phase/Ground Pins — Brass
Gland Friction Washer — Plated Carbon Steel (30, 60, 100A), Nylon (20A)
Assembly Screws — Stainless Steel (60/100A), Plated Steel (20/30A)
Terminal Screws — Plated Steel

Connector

Housing — Toughened Nylon
Cord Clamp Assembly — Toughened Nylon
Gland Nut — Toughened Nylon
Cord Gland — Neoprene
Cover Ring — Polycarbonate
Cover Spring — Stainless Steel
Seals/Gaskets — Neoprene, EPDM, TPE
Contact Carrier① — Glass-Reinforced Nylon
Terminal Cover② — Toughened Nylon
Phase/Ground Sleeves — Brass
Sleeve Spring — Nickel-Plated Spring Steel
Hinge Pins — Brass
Gland Friction Washer — Plated Carbon Steel (30, 60, 100A), Nylon (20A)
Assembly Screws — Stainless Steel (60/100A), Plated Steel (20/30A)
Terminal Screws — Plated Steel

Inlet

Housing — Toughened Nylon
Mounting Flange — Toughened Nylon
Locking Ring — Polycarbonate
Seals/Gaskets — Neoprene, EPDM, TPE
Contact Carrier① — Glass-Reinforced Nylon
Terminal Cover② — Toughened Nylon
Phase/Ground Pins — Brass
Assembly Screws — Stainless Steel (60/100A), Plated Steel (20/30A)
Terminal Screws — Plated Steel
Mounting Screws — Stainless Steel

① Except 60A (Nylon)
② Except 100A (Glass-reinforced Nylon)
Specifications are subject to change without notice.

LISTINGS

- UL Listed Standard 1682 (plugs, receptacles, and cable connectors, of the pin & sleeve type).
- Conforms to UL1686 (pin & sleeve configuration).
- CSA Certified C22.2 NO. 182.1 - 1988
- Complies with IEC 309-1 and 309-2 International Standards for singly-rated non-interchangeable configurations
- Meet 1997 UL 1682 and 1686 requirements
- NOM
- CE

PERFORMANCE

Electrical:

- Dielectric Voltage Withstand — 3,000 Volts-Receptacle; 2,200 Volts-Plug & Connector
- Max. Working Voltage — 600 Volts AC
- Spacings — 1/4" minimum creepage and clearance per UL 1682
- Current Interrupting — Certified for current interrupting at full rated current where applicable per UL 1682
- Temperature Rise — Less than 30°C temperature rise at full rated current after 50 cycles of overload tested at 150% of rated current at .75 pf.
- Endurance — Up to 5,000 connect and disconnect cycles at full-rated current and voltage per UL 1682

Mechanical:

- Impact Resistance — After 6 hours at -25°C, 8 drops from 2½' with 7½' length cord
- Mechanical Crush Test — 250 lbs. force for 1 minute after 6 hours at -25°C
- Terminal Identification — Terminals identified in accordance with North American Codes
- Product Identification — Catalog number and rating indicated on device

Environmental:

- Moisture Resistance — Submerged 24 hours at 2" below water surface
- Flammability (Enclosure) — V2 minimum per UL 94
- Operating Temperatures — Maximum continuous 95°C with impact, minimum continuous -40°C without impact
- Moisture Protection — IP67
- Polarization Integrity — Mating devices will not energize ground if polarization feature is removed and 40 lbs. force is applied

The following international electrical regulatory agencies recognize IEC 309 standard Pin & Sleeve devices.

ÖVE Austria	CEBEC Belgium	ESC Czech Republic	D Denmark
FI Finland	VDE Germany	Great Britain	MEE Hungary
Italy	KEMA KEUR Netherlands	N Norway	S Sweden

BRYANT

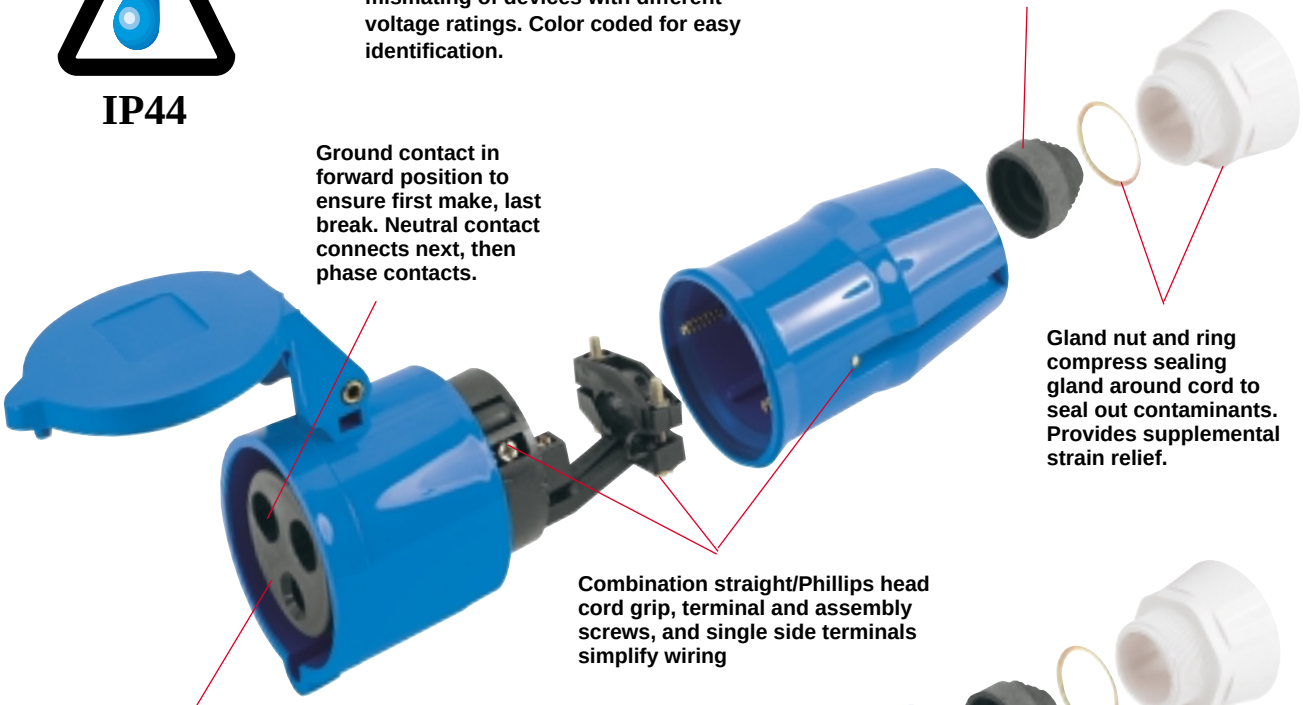
Product Features
Splashproof Pin & Sleeve Devices

IP44

Singly-rated, non-interchangeable configurations in accordance with IEC 309-1 and 309-2 standards. Prevents mismating of devices with different voltage ratings. Color coded for easy identification.

Neoprene sealing glands seal out moisture and contaminants at cord entry and can accommodate a variety of cord diameters

Ground contact in forward position to ensure first make, last break. Neutral contact connects next, then phase contacts.



Gland nut and ring compress sealing gland around cord to seal out contaminants. Provides supplemental strain relief.

Combination straight/Phillips head cord grip, terminal and assembly screws, and single side terminals simplify wiring

Self-adjusting, slotted contact sleeve and nickel-plated spring steel contact pressure spring ease insertion of pins and provide consistent contact pressure

Insulated nylon housing resists impact, corrosion, and chemical attack

Cord clamp screws fasten into threaded, plated steel nuts to prevent strip-out

Pins are recessed in shrouded housing for protection from abuse

Pins and sleeves are fabricated from solid brass for longevity, contact reliability, and superior conductivity

Not every application requires heavy-duty watertight protection. For those situations where devices are exposed to limited splashing of water or other liquids, Bryant offers splashproof devices in six of the most popular international voltage and amperage ratings.These devices are ideally suited for OEM manufacturers who build equipment for export overseas. These situations require devices which can withstand impact from handling and fluctuations in heat and cold without interruption of performance. The Splashproof series lives up to the challenge. Available in 16 and 32A, our splashproof devices meet IEC 309-1 and IEC 309-2 standards, resulting in singly rated, non-interchangeable configurations. They comply with VDE and CE requirements and have a moisture resistance rating of IP44. Like their watertight counterparts, these devices simply cannot be mismated.

Designed for value and performance, these devices integrate the key features that make Bryant Pin & Sleeve devices the standard of the industry. Reliable. Durable. Built to last. Bryant splashproof receptacles, plugs and connectors offer a full measure of splash protection for dependable connections.

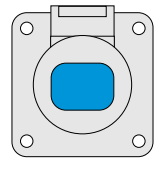
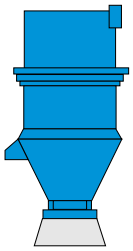
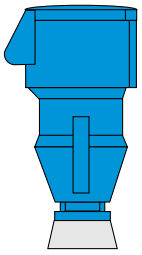
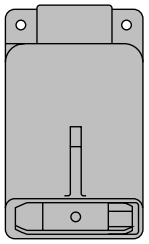
ORDERING DATA

NOM IP44

SPLASHPROOF

16 AMP/32 AMP

International Ratings

AMPS	POLES AND WIRES	CONFIGURATION Recep./ Conn.	CONFIGURATION Plug/ Inlet	VOLTAGE	SPLASHPROOF DEVICES RECEPTACLE	PLUG	CONNECTOR	BACK BOX①
16	2P 3W			100-130	316R4S	316P4S	316C4S	BB201W BB301W
	2P 3W			200-250	316R6S	316P6S	316C6S	BB201W BB301W
	3P 4W			380/415	416R6S	416P6S	416C6S	BB201W BB301W
	4P 5W			200/346 240/415	516R6S	516P6S	516C6S	BB201W BB301W
32	2P 3W			100-130	332R4S	332P4S	332C4S	BB201W BB301W
	2P 3W			200-250	332R6S	332P6S	332C6S	BB201W BB301W

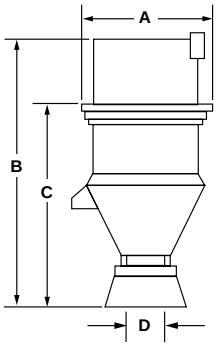
DIMENSIONAL DATA

SPLASHPROOF PLUG

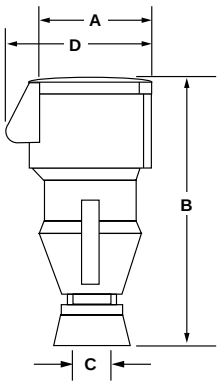
KEY	16A 3 WIRE MM	16A 3 WIRE IN.	16A 4 WIRE MM	16A 4 WIRE IN.	16A 5 WIRE MM	16A 5 WIRE IN.	32A 3 WIRE MM	32A 3 WIRE IN.
A	51	1.99	58	2.26	64	2.50	66	2.57
B	138	5.38	138	5.38	143	5.58	175	6.83
C	102	3.99	102	3.98	107	4.17	130	5.07
D	17	0.66	17	0.66	17	0.66	24.5	0.96

SPLASHPROOF CONNECTOR

KEY	16A 3 WIRE MM	16A 3 WIRE IN.	16A 4 WIRE MM	16A 4 WIRE IN.	16A 5 WIRE MM	16A 5 WIRE IN.	32A 3 WIRE MM	32A 3 WIRE IN.
A	51	1.99	58	2.26	64	2.50	66	2.57
B	150	5.85	151	5.89	155	6.05	188	7.33
C	17	0.66	17	0.66	17	0.66	24.5	0.96
D	71	2.77	79	3.08	85	3.32	93	3.63



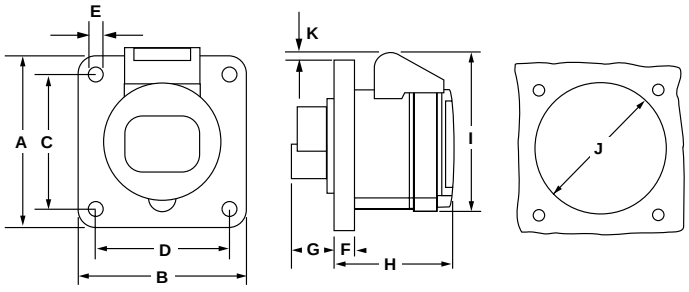
PLUG



CONNECTOR

SPLASHPROOF RECEPTACLE

KEY	16A 3 WIRE MM	16A 3 WIRE IN.	16A 4 WIRE MM	16A 4 WIRE IN.	16A 5 WIRE MM	16A 5 WIRE IN.	32A 3 WIRE MM	32A 3 WIRE IN.
A	75	2.93	75	2.93	75	2.93	75	2.93
B	75	2.93	75	2.93	75	2.93	75	2.93
C	60	2.34	60	2.34	60	2.34	60	2.34
D	60	2.34	60	2.34	60	2.34	60	2.34
E	5.5	0.22	5.5	0.22	5.5	0.21	5.5	0.21
F	7	0.27	7	0.27	7	0.27	8	0.31
G	17	0.66	26	1.01	17	0.66	36	1.40
H	51	1.99	53	2.07	53	2.07	62	2.42
I	70	2.73	80	3.12	85	3.32	90	3.51
J	45	1.76	45	1.76	55	2.15	60	2.34
K	3.5	0.4	7	0.27	11.5	1.45	12	.47



RECEPTACLE

① Requires AP2030 adapter plate - order separately. Also see Direct Mounting Back Box (DM20301) page I-13.

SPLASHPROOF

MATERIALS

Receptacle

Housing/Mounting Flange — Toughened Nylon
Cover/Arm — Toughened Nylon
Cover Spring — Stainless Steel
Seals/Gaskets — Neoprene, EPDM, TPE
Hinge Pins — Brass
Contact Carrier — Glass-Reinforced Nylon
Terminal Cover — Toughened Nylon
Phase/Ground Sleeves — Brass
Sleeve Spring — Nickel-Plated Spring Steel
Mounting Screws — Stainless Steel
Terminal Screws — Plated Steel

Plug

Housing — Toughened Nylon
Cord Clamp Assembly — Toughened Nylon
Gland Nut — Toughened Nylon
Cord Gland — Neoprene
Seals/Gaskets — Neoprene, EPDM, TPE
Contact Carrier — Glass-Reinforced Nylon
Terminal Cover — Toughened Nylon
Phase/Ground Pins — Brass
Gland Friction Washer — Plated Carbon Steel 32A; Nylon 16A
Assembly Screws — Plated Steel
Terminal Screws — Plated Steel

Connector

Housing — Toughened Nylon
Cord Clamp Assembly — Toughened Nylon
Gland Nut — Toughened Nylon
Cord Gland — Neoprene
Cover Spring — Stainless Steel
Seals/Gaskets — Neoprene, EPDM, TPE
Contact Carrier — Glass-Reinforced Nylon
Terminal Cover — Toughened Nylon
Phase/Ground Sleeves — Brass
Sleeve Spring — Nickel-Plated Spring Steel
Hinge Pins — Brass
Gland Friction Washer — Plated Carbon Steel 32A; Nylon 16A
Assembly Screws — Plated Steel
Terminal Screws — Plated Steel

LISTINGS

- Complies with IEC 309-1 and 309-2 international standards for singly-rated non-interchangeable configurations
- CE
- VDE
- NOM

PERFORMANCE

Electrical:

- Dielectric Voltage Withstand — 3,000 Volts-Receptacle; 2,200 Volts — Plug & Connector
- Max. Working Voltage — 500 Volts AC
- Spacings — 1/4" minimum creepage and clearance
- Current Interrupting — Certified for current interrupting at full rated current
- Endurance — Up to 5,000 connect and disconnect cycles at full-rated current and voltage

Mechanical:

- Impact Resistance — After 6 hours at -25°C, 8 drops from 2½' with 7½' length cord
- Mechanical Crush Test — 250 lbs. force for 1 minute after 6 hours at -25°C
- Terminal Identification — Terminals identified in accordance with IEC 309
- Product Identification — Catalog number and rating indicated on device

Environmental:

- Flammability (Enclosure) — V2 minimum per UL 94
- Operating Temperatures — Maximum continuous 95°C with impact, minimum continuous -40°C without impact
- Moisture Protection — IP44
- Polarization Integrity — Mating devices will not energize ground if polarization feature is removed and 40 lbs. force is applied

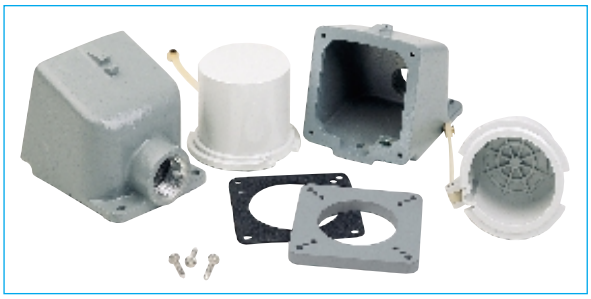
The following international electrical regulatory agencies recognize IEC 309 standard Pin & Sleeve devices.

Austria · Belgium · Czech Republic · Denmark
Finland · Germany · Great Britain · Hungary
Italy · Netherlands · Norway · Sweden

Specifications are subject to change without notice.

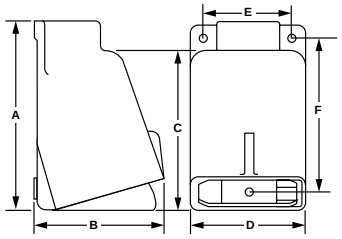
Accessories
Pin & Sleeve Devices

To complete your installation, Bryant offers a full line of back boxes, adapter plates and closure caps. Pin & Sleeve accessories feature the heavy-duty construction and durability you require for reliable performance in harsh environments.

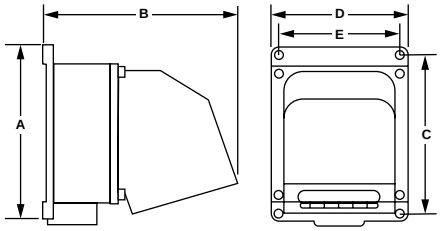


BACK BOXES

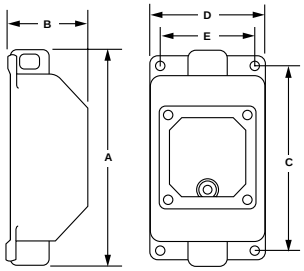
Bryant offers a complete line of angled and feed-thru back boxes for mounting receptacles and inlets. Each back box features heavy-duty cast aluminum construction with a durable enamel finish. Adapter plate required to mount receptacles and inlets to back boxes - order separately. See ordering information below.



ANGLE BOX



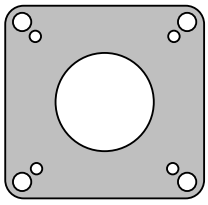
FOUR-WAY BOX



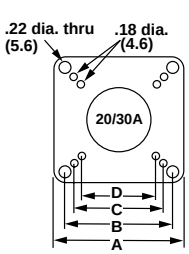
FEED-THRU BOX

CATALOG NUMBER	DESCRIPTION	HUB SIZE		DIMENSIONS												CAPACITY	
				A		B		C		D		E		F			
		IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	CU.IN.	CM³
BB201W①	15° angle - 20/30A devices	.75	19.2	5.12	131.3	4.0	102.6	4.19	107.4	3.75	96.2	3.0	76.9	4.0	102.6	30	492
BB301W①	15° angle - 20/30A devices	1.0	25.6	5.12	131.3	4.0	102.6	4.19	107.4	3.75	96.2	3.0	76.9	4.0	102.6	30	492
BB601W②	15° angle - 60A devices	1.25	32.1	7.25	185.9	5.25	134.6	6.0	153.9	4.50	115.4	3.75	96.2	6.19	158.7	80	1312
BB602W②	15° angle - 60A devices	1.50	38.5	7.25	185.9	5.25	134.6	6.0	153.9	4.50	115.4	3.75	96.2	6.19	158.7	80	1312
BB1001W③	15° angle - 100A devices	1.50	38.5	8.12	208.2	6.75	173.1	6.88	176.4	5.50	141	4.75	121.8	6.31	161.8	130	2132
BB1002W③	15° angle - 100A devices	2.0	51.3	8.12	208.2	6.75	173.1	6.88	176.4	5.50	141	4.75	121.8	6.31	161.8	130	2132
FT202W①	Feed-thru - 20/30A devices	.75	19.2	8.25	211.5	3.06	78.5	7.14	183.1	4.50	115.4	3.75	96.2	–	–	48	787
FT302W①	Feed-thru - 20/30A devices	1.0	25.6	8.25	211.5	3.06	78.5	7.14	183.1	4.50	115.4	3.75	96.2	–	–	48	787
FW60100④	Four-way - 60/100A devices	1.50	38.5	8.75	224.4	9.75	250	7.75	198.7	6.75	173.1	6.0	153.9	–	–	210	3444

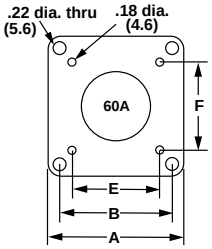
ADAPTER PLATES



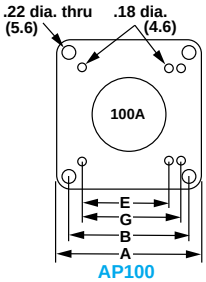
Nylon adapter plates permit receptacles and inlets to be mounted to back boxes. Mounting hardware and gasket included.



AP2030



AP60



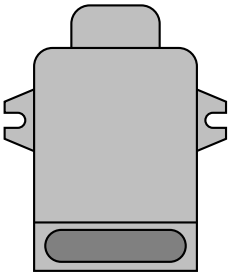
AP100

CAT. NO.	DESCRIPTION
AP2030	Required to mount 20 & 30A receptacles and inlets to BB201W, BB301W, FT202W, FT302W back boxes
AP60	Required to mount 60A receptacles and inlets to BB601W, BB602W and FW60100 back boxes
AP100	Required to mount 100A receptacles and inlets to BB1001W and BB1002W back boxes

KEY	CATALOG NUMBER					
	AP2030		AP60		AP100	
	IN.	MM	IN.	MM	IN.	MM
A	3.76 SQ.	96.4 SQ.	4.51 SQ.	115.6 SQ.	5.52 SQ.	141.5 SQ.
B	3.13 SQ.	80.3 SQ.	3.88 SQ.	99.5 SQ.	4.87 SQ.	124.9 SQ.
C	2.76 SQ.	70.8 SQ.	–	–.	–	–
D	2.36 SQ.	60.5 SQ.	–	–	–	–
E	–	–	3.03	77.7	3.94 SQ.	101 SQ.
F	–	–	3.35	85.9	–	–
G	–	–	–	–	4.25	109

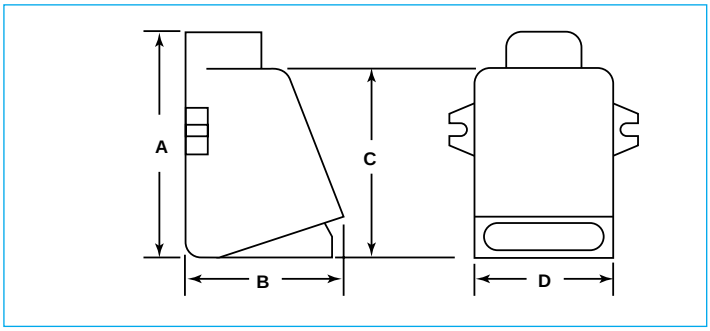
① Requires AP2030 adapter plate - order separately.
② Requires AP60 adapter plate - order separately.
③ Requires AP100 adapter plate - order separately.
④ Requires AP60 adapter plate to mount 60A receptacle or inlet. 100A receptacle mounts directly to box. 100A inlet does not mount to this box.

Ordering Data and Product Specifications are subject to change without notice.

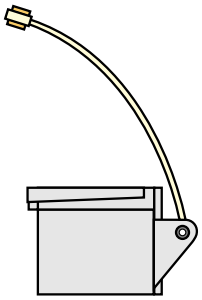


DIRECT MOUNTING BACK BOXES

15°angle cast aluminum back boxes permit 20, 30 and 60A receptacles to be mounted directly to box without adapter plate.



CATALOG NUMBER	DESCRIPTION	HUB SIZE		DIMENSIONS								CAPACITY	
				A		B		C		D			
		IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	CU.IN.	CM^3
DM20301	15° angle - 20/30A devices	.75	19.2	5.07	130	3.38	78	4.13	106	3.62	93	20	328
DM602	15° angle - 60A devices	1.25	32.1	5.81	149	4.28	110	4.56	117	4.58	117	40	656



CLOSURE CAPS

Closure caps provide a watertight seal for male plugs and flanged inlets when not mated. Thick wall, heavy-duty thermoplastic construction protects male pins from cont-aminants and abuse. Ideal for applications in wash down areas or when equipment is being transported.

CATALOG NUMBER	FOR USE WITH
CC 320	16/20A - 3 Wire devices
CC 330	30/32A - 3 Wire, 4 Wire devices 16/20A - 5 Wire devices
CC 420	16/20A - 4 Wire devices
CC 530	30/32A - 5 Wire devices
CC 560	60/63A - 3,4,5 Wire devices
CC 510	100/125A - 3,4,5 Wire devices

GUIDE TO WATERTIGHT APPLICATIONS

INDUSTRY		APPLICATION
	Agriculture	For farming applications including outdoor fans, HVAC pumps, heaters and related equipment
	Chemical Processing	Areas where equipment is exposed to water or corrosive chemicals
	Computer Processing	To maintain critical continuous connection in enclosed floors or other spaces where moisture may be present
	Construction	Outdoor environments where exposed to moisture, severe weather/temperature, and rugged handling
	Entertainment	For outdoor sound and lighting applications subject to weather and temperature changes
	Food Processing	For use in areas exposed to wash downs, chemicals, and rough handling
	Food Service	Indoor use where subject to water, chemical, and cleaning agents
	Light Manufacturing	Industrial areas where exposed to water, cleaners, solvents, and chemicals
	Manufacturing	Industrial locations subject to water, chemicals, contaminants, impact, crushing, and rough use
	Military	Outdoor environments subject to water, severe weather/temperature changes, and rough handling
	Wastewater Treatment	For safe connection in outdoor areas prone to moisture and chemical exposure

BRYANT

Pin & Sleeve Mechanical Interlocks 20, 30, 60 100 amp

ALL PRODUCTS NEW

560SMI5W

Features - Specifications

- NEMA 4x and 12 enclosures provide watertight and dust tight protection
- Impact, corrosion resistant thermoplastic enclosure
- Handle can be padlocked to comply with OSHA lockout/tagout requirements
- Watertight conduit hub and grounding plate included for use with metallic conduit
- Heavy-duty disconnect switches are horsepower rated for motor load applications
- 30 and 60 amp units provide top or bottom feed option. 20 and 100 amp are top feed
- Watertight receptacle cover opens from front of receptacle. Reduces potential for accumulation of dust and moisture inside cover
- Color-coded receptacle cover insert provides voltage rating identification
- UL 508–Industrial Control Equipment Manual Motor Controller
- CSA 22.2 No. 14
- Complies with UL50, UL746C and IEC 309
- IP67 Suitability

APPLICATIONS

Mechanical Interlocks combine the safety of a disconnect switch and IEC pin and sleeve receptacle in one compact nonmetallic enclosure and provide ON/OFF switched control of a plug connected load. Interlocking feature prevents the plug from being disconnected while the receptacle is energized. The switch cannot be turned ON until plug is properly inserted. Plug can not be removed until the switch is turned OFF.

AMPS	POLES AND WIRES	CONFIGURATION Recep./ Conn.	CONFIGURATION Plug/ Inlet	VOLTAGE	INTERLOCK	MATING PLUG①
20	3P 4W			240V AC 3Ø	420SMI9W	420P9W
	3P 4W			480V AC 3Ø	420SMI7W	420P7W
	3P 4W			600V AC 3Ø	420SMI5W	420P5W
30	2P 3W			120V AC	330SMI4W	330P4W
	2P 3W			240V AC	330SMI6W	330P6W
	2P 3W			480V AC	330SMI7W	330P7W
	3P 4W			240V AC 3Ø	430SMI9W	430P9W
	3P 4W			480V AC 3Ø	430SMI7W	430P7W
	3P 4W			600V AC 3Ø	430SMI5W	430P5W
	4P 5W			120/208V AC 3ØY	530SMI9W	530P9W
	4P 5W			277/480V AC 3ØY	530SMI7W	530P7W
32	3P 4W			380V AC 3Ø 50Hz 440V AC 3Ø 60Hz	432SMI3W	432P3W
60	2P 3W			120V AC	360SMI4W	360P4W
	2P 3W			240V AC	360SMI6W	360P6W
	2P 3W			480V AC	360SMI7W	360P7W
	3P 4W			240V AC 3Ø	460SMI9W	460P9W
	3P 4W			480V AC 3Ø	460SMI7W	460P7W
	3P 4W			600V AC 3Ø	460SMI5W	460P5W
	4P 5W			120/208V AC 3ØY	560SMI9W	560P9W
	4P 5W			277/480V AC 3ØY	560SMI7W	560P7W
	4P 5W			347/600V AC 3ØY	560SMI5W	560P5W
100	2P 3W			240V AC	3100SMI6W	3100P6W
	3P 4W			240V AC 3Ø	4100SMI9W	4100P9W
	3P 4W			480V AC 3Ø	4100SMI7W	4100P7W
	3P 4W			600V AC 3Ø	4100SMI5W	4100P5W
	4P 5W			120/208V AC 3ØY	5100SMI9W	5100P9W

① Mating plug sold separately.

BRYANT

Specifications
Pin & Sleeve Mechanical Interlock

MECHANICAL INTERLOCK

MATERIALS

Enclosure Base — Valox®
Enclosure Cover — Valox
Handle — Valox
Enclosure Gasket — Neoprene
Enclosure Screws — Valox
Hinge Pins — Stainless Steel
Hinge Spring — Stainless Steel
Conduit Hub — Zinc
Ground Plate — Galvanized Steel
Cover Gasket — Neoprene

LISTINGS

- UL 508 - Industrial Control Equipment, Manual Motor Controller
- CSA Certified 22.2 No. 14
- Complies with UL 50, UL 746C and IEC 309
- Configuration meets UL 1686
- IP 67 Suitability

PERFORMANCE

Electrical:

- Dielectric Voltage Withstand — 3,000 Volts min.
- Max. Working Voltage — 600 Volts RMS
- Current Interrupting — Certified for current interrupting at full rated current and voltage
- Short Circuit Withstand Rating — Suitable for use on a circuit capable of delivering not more that 10,000 RMS symmetrical amperes at the voltage rating of the receptacle (30, 60, 100A)
- Operations — Mechanical 10,000 Cycles Electrical 6,000 Cycles

Mechanical:

- Impact Resistance — In accordance with UL 746C
- Terminal Identification — In accordance with UL, CSA and international conventions
- Product Identification — Identification and ratings are part of the external label

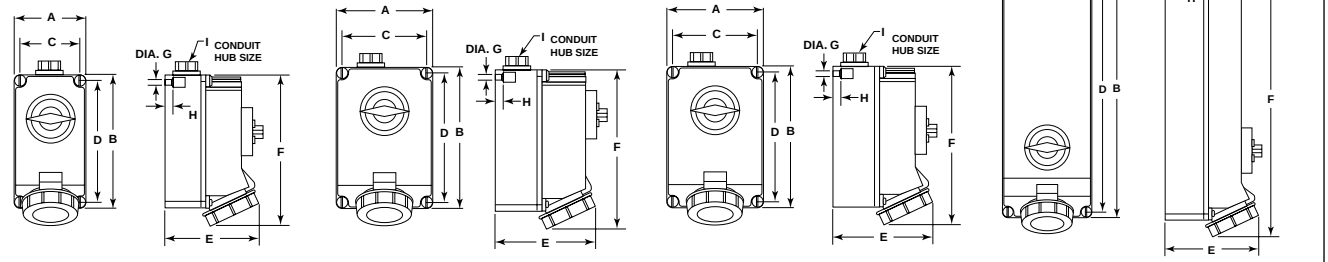
Environmental:

- Moisture Resistance — Outdoor - 4x (Watertight, Washdown) Indoor — 12 (Dusttight, Falling Dirt and Noncorrosive Liquids) IP67
- Flammability — UL94-5V and VO Classification
- Operating Temperature — Max. Continuous +60˚C; Min. Continuous -40˚C
- UV Resistance — All exposed materials are UV stabilized

HORSEPOWER RATINGS

CAT. NO.	AMPS	RATING	HORSEPOWER
420SMI9W	20	240V AC 3Ø	5
420SMI7W	20	480V AC 3Ø	10
420SMI5W	20	600V AC 3Ø	15
330SMI4W	30	120V AC	2
330SMI6W	30	240V AC	3
330SMI7W	30	480V AC	7.5
430SMI9W	30	240V AC 3Ø	7.5
430SMI7W	30	480V AC 3Ø	15
430SMI5W	30	600V AC 3Ø	20
530SMI9W	30	120/208V AC 3ØY	5
530SMI7W	30	277/480V AC 3ØY	15
432SMI3W	32	380V AC 3Ø 50 Hz 440V AC 3Ø 60Hz	15 (440V AC3Ø 60 Hz)
360SMI4W	60	120V AC	3
360SMI6W	60	240V AC	7.5
360SMI7W	60	480V AC	20
460SMI9W	60	240V AC 3Ø	15
460SMI7W	60	480V AC 3Ø	30
460SMI5W	60	600V AC 3Ø	40
560SMI9W	60	120/208V AC 3ØY	15
560SMI7W	60	277/480V AC 3ØY	30
560SMI5W	60	347/600V AC 3ØY	40
3100SMI6W	100	240V AC	15
4100SMI9W	100	240V AC 3Ø	25
4100SMI7W	100	480V AC 3Ø	40
4100SMI5W	100	600V AC 3Ø	50
5100SMI9W	100	120/208V AC 3ØY	20

PRODUCT DIMENSIONS



KEY	20 AMP	
	INCHES	MM
A	4.65	118
B	8.86	225
C	3.98	101
D	8.19	208
E	5.00	127
F	9.65	245
G DIA.	.26	6.5
H	.31	8
I	3/4" NPT	

KEY	30 AND 32 AMP	
	INCHES	MM
A	6.30	160
B	10.24	260
C	5.51	140
D	9.45	240
E	6.78	172
F	11.68	297
G DIA.	.32	8.1
H	.39	10
I	1" NPT	

KEY	60 AMP	
	INCHES	MM
A	6.30	160
B	10.24	260
C	5.51	140
D	9.45	240
E	7.68	195
F	11.97	304
G DIA.	.32	8.1
H	.39	10
I	1-1/4"NPT	

KEY	100 AMP	
	INCHES	MM
A	7.09	180
B	18.11	460
C	6.30	160
D	17.32	440
E	8.19	208
F	20.08	510
G DIA.	.33	8.3
H	.26	6.5
I	1-1/4"NPT	

Valox® is a registered trademark of GE Company
Specifications are subject to change without notice.

Section J

CONTROL PRODUCTS

Section J Index

CONTROL PRODUCTS

Product Features **J1, J2**

Manual Motor Starting Switches

30A 600V AC Open & Enclosed **J3**

40A 600V AC Open **J4**

60A 600V AC Open & Enclosed **J5**

Fused and Non-Fused Disconnects

30A 600V AC Switch **J6**

60A 600V AC Switch **J6**

100A 600V AC Switch **J6**

200A 600V AC Switch **J6**

Shafts **J7**

Auxiliary Contacts **J7**

Covers and Shields **J7**

Handles **J8**

Lug Kits **J8**

Shorting Links **J8**

Definite Purpose Contactors

20A thru 90A 600V AC **J10**

Auxiliary Contacts **J11**

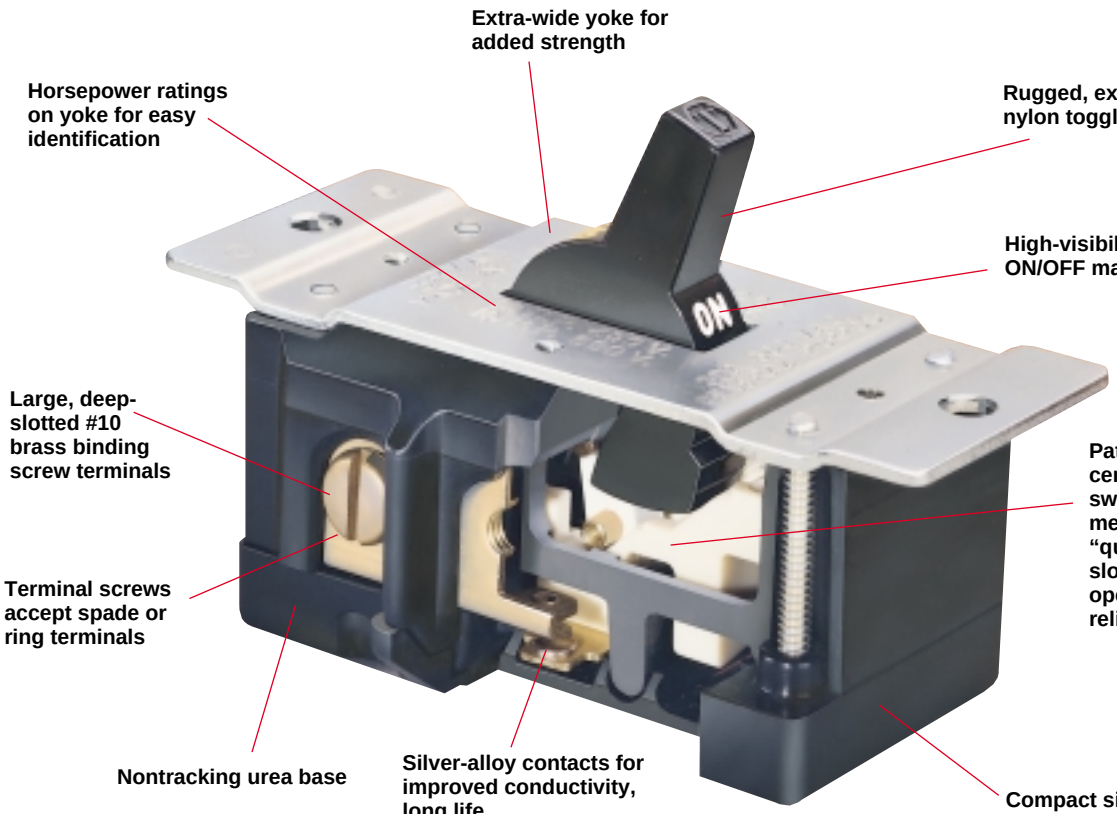
Mechanical Interlock **J11**

Replacement Parts **J11**

Pendant Control Stations **J12**

BRYANT

Product Features
TECH-SPEC® AC Manual Motor Starting Switches 30/40/60 Amp 600V AC



30003

DESIGN AND PERFORMANCE FEATURES

The superior quality of Bryant Tech-Spec AC Manual Motor Starting Switches provides a lifetime of performance advantages:

- Patented over-center toggle switching mechanism features quick-make, slow-break operation for reliable opening and closing of contacts.
- Extra-wide yoke, attached to body with four steel screws, adds strength and structural integrity.
- Silver-alloy contacts and large current path provide superior conductivity, long life and excellent thermal characteristics.
- Individual arc chambers insure isolation between phase-conducting paths.

AVAILABLE TYPES

TECH-SPEC is the industry's most versatile line of manual motor starting switches without overload protection, and includes the highest rated 30 amp switch as well as the only 40 and 60 amp switches of this type in the industry.

TECH-SPEC switches are available for single-phase or three-phase motor applications. The current rating is constant at all voltage levels up to 600 V AC for each unit.

- 30 amp 600V AC rated up to 20 H.P.
- 40 amp 600V AC rated up to 20 H.P.
- 60 amp 600V AC rated up to 30 H.P.

APPLICATIONS

Applications include on/off control of heating and air conditioning equipment; welding equipment; machine tools; pumps, fans and conveyors.

TECH-SPEC 30 amp 600 V AC switch in a NEMA Type 1 enclosure in an automatic plating line application. All TECH-SPEC switches can also be panel mounted.

TECH-SPEC 40 amp 600 V AC switch. Amperage, horsepower rating, and UL/CSA markings are clearly visible. All TECH-SPEC ratings are available in two and three-pole design for single and three-phase motors.

TECH-SPEC 60 amp 600 V AC switch in NEMA Type 3R raintight enclosure in outdoor HVAC (heating, ventilation and air conditioning) disconnect application on rooftop.

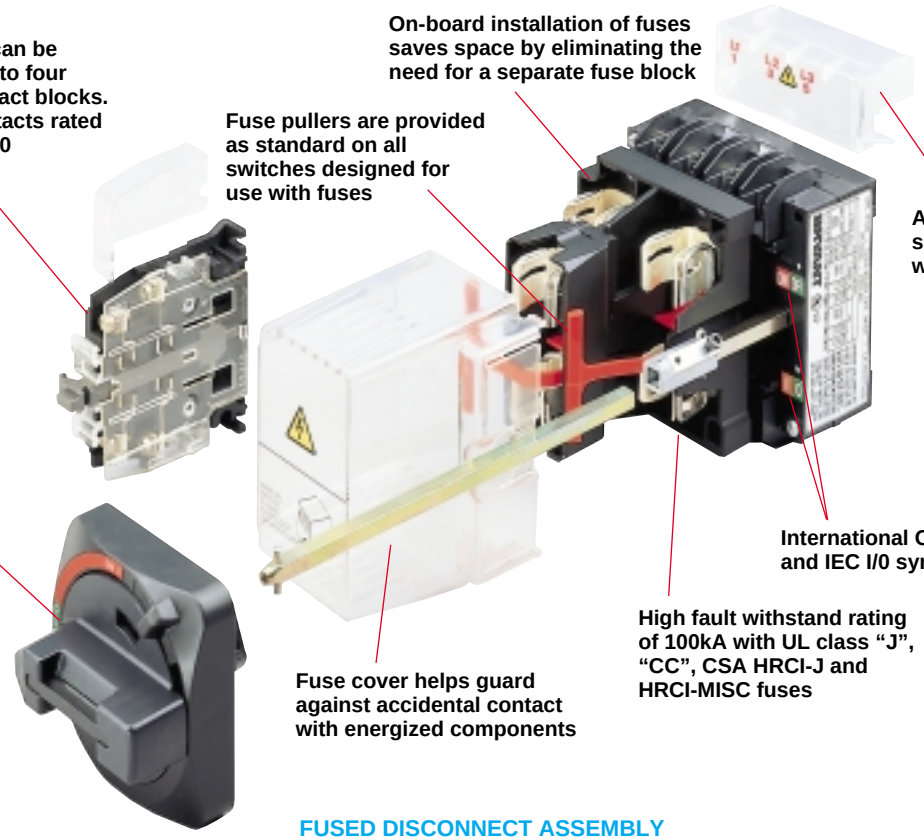
TECH-SPEC switches are available in NEMA 1 (30 amp) and NEMA 3R (30 & 60 amp) enclosures.

J
1

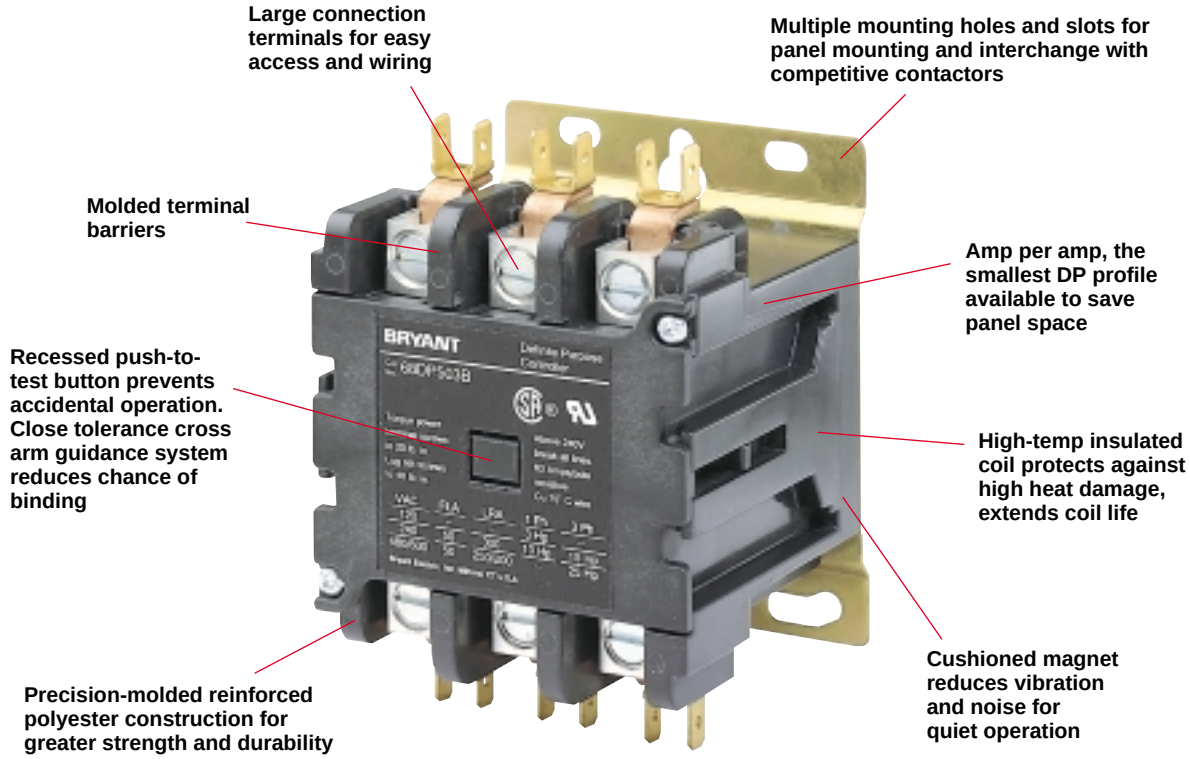
Product specifications appearing in the following section are subject to change without notice.

BRYANT

Product Features
Fused and Non-Fused Disconnect Switches and DP Contactors



FUSED DISCONNECT ASSEMBLY



DP CONTACTORS
68DP503B

J
2

Product specifications appearing in the following section are subject to change without notice.

BRYANT

TECH·SPEC®

AC Manual Motor Starting Switches

Without Overload Protection, 30A 600V AC

30003

30103

30302

664X30

Features - Specifications

- Silver-alloy contacts
- Binding screw terminals, non-tracking urea base
- Compact design
- Horsepower rated
- Nylon toggle
- Fully enclosed
- Quick make, slow break contact design
- Available in single or three phase
- Available NEMA 1, NEMA 3R, NEMA 4X enclosures
- UL Listed File #E70402 – Guide #NLRV
- CSA Certified File #LR46186 – Guide #184-N-13.13A
- Complies with UL 508
- NOM

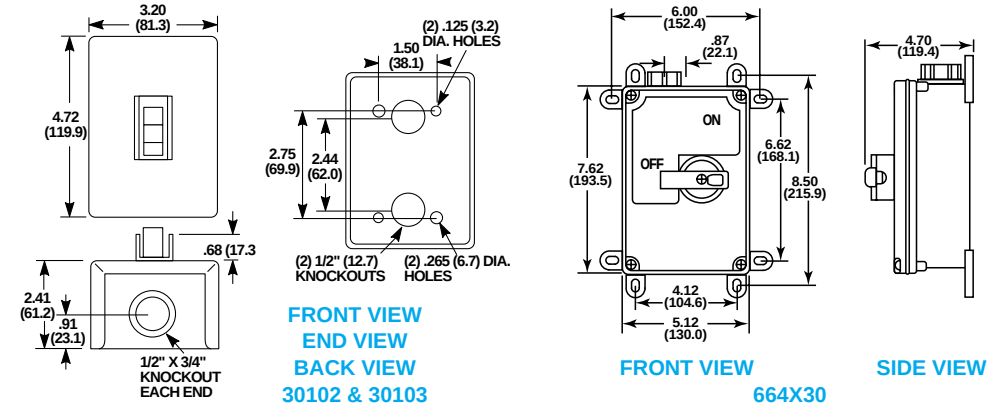
DOUBLE-POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
30002①	General purpose 30 AMP 600V AC	2 HP 120V AC 5 HP 240V AC 10 HP 480V AC 15 HP 600V AC	Double-pole, single throw, AC manual motor starting switch without overload protection
30102			30002 in NEMA Type 1 enclosure
30302			30002 in NEMA Type 3R enclosure

THREE-POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
30003①	General purpose 30 AMP 600V AC	3 HP 120V AC 7½ HP 240V AC 15 HP 480V AC 20 HP 600V AC	Three-pole, single throw, AC manual motor starting switch without overload protection
30103			30003 in NEMA Type 1 enclosure
30303			30003 in NEMA Type 3R enclosure
30100			NEMA Type 1 enclosure without switch
30300			NEMA Type 3R enclosure without switch
664X30	Industrial Control 30A 600V AC	1HP 120V AC 5 HP 240V AC 10 HP 480V AC 10 HP 600V AC	NEMA 4X enclosure with 30A CAM switch with lockout tag out

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① See page J-4 for dimensional information.

Specifications are subject to change without notice.

J 3

BRYANT

TECH·SPEC®

AC Manual Motor Starting Switches
Without Overload Protection, 40 Amp 600V AC

4002

40002

40003

Features - Specifications

- Silver-alloy contacts
- Binding screw terminals
- Non-tracking urea base
- Compact design
- Horsepower rated
- Nylon toggle
- Fully enclosed
- Quick make, slow break contact design
- Available in single or three phase
- UL Listed File #E70402 – Guide #NLRV
- Available with NEMA Type 3R raintight enclosure
- CSA Certified File #LR46186 – Guide #184-N-13.13A
- Complies with UL 508
- NOM

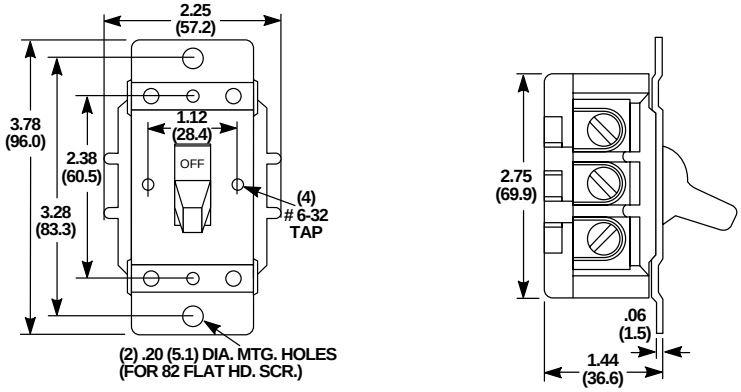
DOUBLE-POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
4002	General purpose 40 AMP 600V AC	2 HP 120V AC 5 HP 240V AC	Double-pole, single throw, AC manual motor starting switch without overload protection
40002		2 HP 120V AC 5 HP 240V AC 10 HP 480V AC 15 HP 600V AC	

THREE-POLE

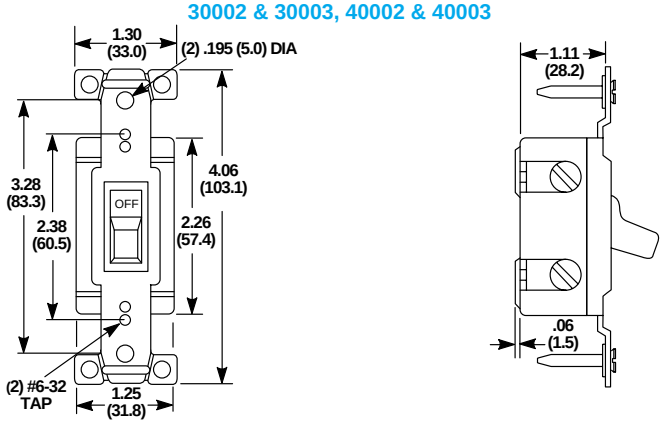
CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
40003	General purpose 40 AMP 600V AC	3 HP 120V AC 7½ HP 240V AC 15 HP 480V AC 20 HP 600V AC	Three-pole, single throw, AC manual motor starting switch without overload protection

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



FRONT VIEW — SIDE VIEW

30002 & 30003, 40002 & 40003



FRONT VIEW — 4002 — SIDE VIEW

Specifications are subject to change without notice.

BRYANT

TECH·SPEC®

AC Manual Motor Starting Switches
Without Overload Protection, 60 AMP 600V AC

60002

60002-FW

60303

Features - Specifications

- Silver-alloy contacts
- Lug-type terminals
- Non-tracking urea base
- Compact design
- Horsepower rated
- Quick make, slow break contact design
- Fully enclosed
- Front or back wiring designs for ease of installation
- Available in single or three phase
- Nylon toggle handle
- UL Listed File #E70402 – Guide #NLRV
- Available with NEMA Type 3R raintight enclosure
- CSA Certified File #LR46186 – Guide #184-N-13.13A
- Complies with UL 508
- NOM

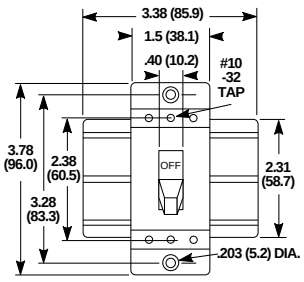
DOUBLE POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
60002	General purpose 60 AMP 600V AC	10 HP 240V AC 15 HP 480V AC 20 HP 600V AC	Double pole, single throw, AC manual motor starting switch without overload protection
60002-FW			Same as 60002 except front wired
60302			60002 FW in NEMA Type 3R enclosure

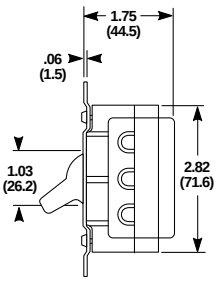
THREE POLE

CAT. NO.	AMP RATING	HP RATING	DESCRIPTION
60003	General purpose 60 AMP 600V AC	10 HP 240V AC 25 HP 480V AC 30 HP 600V AC	Three pole, single throw, AC manual motor starting switch without overload protection
60003-FW			Same as 60003 except front wired
60303			60003 FW in NEMA Type 3R enclosure
60300			NEMA Type 3 enclosure without switch

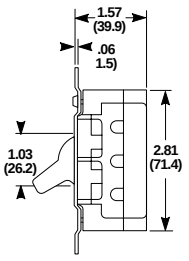
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



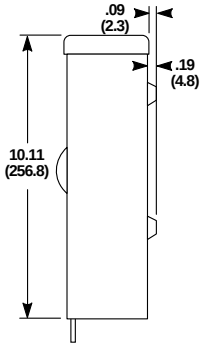
FRONT VIEW
60002 & 60003
60002-FW & 60003-FW



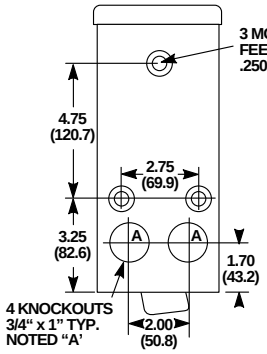
SIDE VIEW
60002 & 60003



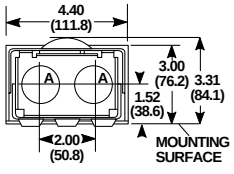
SIDE VIEW
60002-FW & 60003-FW



SIDE VIEW



BACK VIEW
60302 & 60303



END VIEW

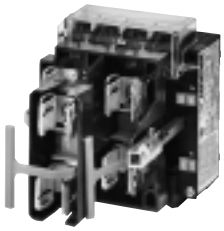
J 5

Specifications are subject to change without notice.

BRYANT

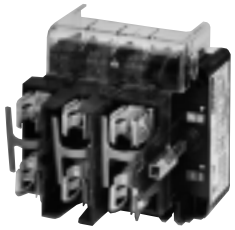
Fused and Non-Fused Disconnect Switches

67FSC30

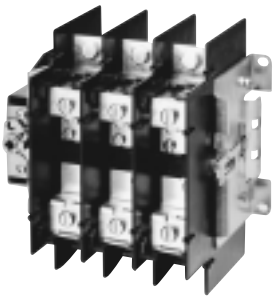


67FSJ30

67FSN30



67FSJ60



NEW! 67FSJ200

Features - Specifications

- 600V AC & 250V DC
- Compact design
- Built-in fuse pullers
- Accepts up to four auxiliary contact blocks
- 100kA withstand with class J & CC fuses
- Offers Type 2 protection when proper fuses are selected
- Meets service entrance requirements
- UL listed, CSA certified
- Two double break contacts per pole provide fuse clip isolation when switch is open
- International markings
- Meets applicable standards of IEC, VDE, & BS when supplied with proper fuse clips
- Handle complies with OSHA lockout and tagout requirements
- Handle can be locked in on/off position
- Handle interlocks with enclosure door to prevent unauthorized entry
- Four easy-to-operate handles
- Line side terminal shield is standard, supplied with device
- Two shaft lengths available: standard, 6 17/32" (165.9); long, 14 11/64" (359.9)
- Auxiliary contact blocks – six available, for annunciation purposes
- Optional load side terminal shield
- Optional fuse cover
- Power terminals: 30 amp – #14 to #8, 60 amp – #14 to #4
- Auxiliary contact terminals: #14 to #12
- Mechanical endurance 10,000 operations

		FUSE TYPE			RATINGS/MAXIMUM HORSEPOWER							
CATALOG NUMBER	CONT AMP	UL CLASS	CSA	MAX FUSE	FUSE OPER CHAR	3 PHASE AC				1 PHASE AC		DC	
						200	230	460	575	115	230	125	250
67FSC30	30	CC	①HRCI-MISC	30	TD	3.0	3.0	5.0	7.5	0.5	1.5	2.0	3.0
					NTD	3.0	3.0	5.0	7.5	0.5	1.5	2.0	3.0
67FSJ30	30	J	HRCI-J	30	TD	7.5	7.5	15.0	20.0	2.0	3.0	3.0	5.0
					NTD	3.0	3.0	5.0	7.5	0.5	1.5	2.0	5.0
67FSN30	30	②NON-FUSED	②NON-FUSED	②NON-FUSED	TD	7.5	7.5	15.0	20.0	2.0	3.0	3.0	5.0
					NTD	3.0	3.0	5.0	7.5	0.5	1.5	2.0	5.0
67FSJ60	60	J	HRCI-J	60	TD	15.0	15.0	30.0	50.0	3.0	10.0	5.0	10.0
					NTD	7.5	7.5	15.0	15.0	1.5	3.0	5.0	5.0
67FSN60	60	②NON-FUSED	②NON-FUSED	②NON-FUSED	TD	15.0	15.0	30.0	50.0	3.0	10.0	5.0	10.0
					NTD	7.5	7.5	15.0	15.0	1.5	3.0	5.0	5.0
67FSJ100	100	J	HRCI-J	100	TD	30.0	30.0	60.0	75.0	15.0	15.0	20.0	20.0
					NTD	15.0	15.0	25.0	30.0	7.5	7.5	20.0	20.0
67FSN100	100	②NON-FUSED	②NON-FUSED	②NON-FUSED	TD	30.0	30.0	60.0	75.0	15.0	15.0	20.0	20.0
					NTD	15.0	15.0	25.0	30.0	7.5	7.5	20.0	20.0
67FSJ200	200	J	HRCI-J	200	TD	60.0	60.0	125.0	150.0	15.0	15.0	40.0	40.0
					NTD	25.0	25.0	50.0	60.0	15.0	15.0	40.0	40.0
67FSN200	200	②NON-FUSED	②NON-FUSED	②NON-FUSED	TD	60.0	60.0	125.0	150.0	15.0	15.0	40.0	40.0
					NTD	25.0	25.0	50.0	60.0	15.0	15.0	40.0	40.0

①CSA HRCI-MISC fuses must also be listed as UL class CC fuses.
②Non-fused disconnect switches must be used with separately installed UL listed class J or T fuses, or CSA certified HRCI-J, HCRI-T.

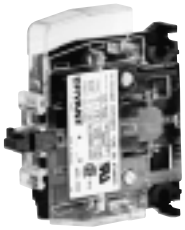
Specifications are subject to change without notice.

Fused Disconnect Switch Accessories

OPERATING SHAFTS

OPERATING SHAFTS

CATALOG NUMBER	SHAFT LENGTH	ENCLOSURE WORKING DEPTH		DESCRIPTION
		MINIMUM	MAXIMUM	
67SS	6 17/32"(161)	6"(152)	10 15/64"(260)	Standard operating shaft for 30A & 60A disconnects
67LS	14 11/64"(360)	6"(152)	17 7/8"(454)	Extended operating shaft for 30A & 60A disconnects
67SS12	7 7/8"(200)	6 13/16"(173)	11 21/38"(296)	Standard operating shaft for 100A & 200A disconnects
67LS12	12 19/32"(319)	6 13/16"(173)	16 15/64"(430)	Extended operating shaft for 100A & 200A disconnects supplied with outrigger mounting supports. See page J-9 for details.



AUXILIARY CONTACT WITH TERMINAL SHIELD

AUXILIARY CONTACTS

CATALOG NUMBER	TYPE		DESCRIPTION	MAXIMUM CURRENT		
	POSITION	CONFIGURATION		AMPERES	MAKE	BREAK
67ABN01 67ABNC1	Inner Inner	1 Normally Open 1 Normally Closed	Single-pole auxiliary contact 30 & 60 Amp only	120V AC	60	6.00
67ABN02 67ABNC2	Outer Outer	1 Normally Open 1 Normally Closed	Single-pole auxiliary contact	240V AC	30	3.00
67ABN011 67ABNC11	Inner Inner	2 Normally Open 2 Normally Closed	Two-pole auxiliary contacts 30 & 60 Amp only	480V AC	15	1.50
67ABN022 67ABNC22	Outer Outer	2 Normally Open 2 Normally Closed	Two-pole auxiliary contact	600V AC	12	1.20

An inner contactor must be attached to the fused disconnect for 30 & 60 amp fused disconnects first. Outer contactors can then be stacked to the inner one. The 100 & 200 amp disconnects use outer contacts only.

TERMINAL SHIELDS

AUXILIARY CONTACT TERMINAL SHIELDS

CATALOG NUMBER	DESCRIPTION
67AS1	Auxiliary contact terminal shields (standard: 2 shields per package)

DISCONNECT SWITCH TERMINAL SHIELDS

CATALOG NUMBER	TYPE	DESCRIPTION
67TS30	30A	Terminal shields for use on either line or load side of disconnect switch
67TS60	60A	
67TS100	100A	
67TS200	200A	

FUSE COVER

FUSE COVERS

CATALOG NUMBER	TYPE	DESCRIPTION
67FC30CN	30A Class CC and Non-Fused	Fuse covers
67FC30J	30A Class J and 30A HRCI-J	
67FC60JN	60A Class J and Non-Fused	
67FC100	100A Class J and Non-Fused	
67FC200	200A Class J and Non-Fused	

Specifications are subject to change without notice.

Fused Disconnect Switch Accessories

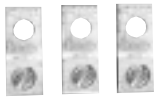
67HS22RY

67HS70

67HS71

SHORTING LINKS

COMPRESSION LUGS



MECHANICAL LUGS

OPERATING HANDLES

CATALOG NUMBER	COLOR	DESCRIPTION	
67HS22B 67HS22RY	BLACK YELLOW/RED	Nema 4, 4X, 30A & 60A rotary handle with defeat to enable panel entry while power on	
67HS71B 67HS71RY	BLACK YELLOW/RED	100 & 200 Amp pistol grip handle	Nema 1, simple on/off
67HS70B 67HS70RY	BLACK YELLOW/RED		Nema 3R, on/off with lock-out tag-out

Note: Appropriate gasketing provided with the respective handles for rated Nema protection

SHORTING LINKS

CATALOG NUMBER	TYPE	DESCRIPTION
67SLA1 67SLA2 67SLA3 67SLA4	30A 60A 100A 200A	Shorting links for non-fused applications

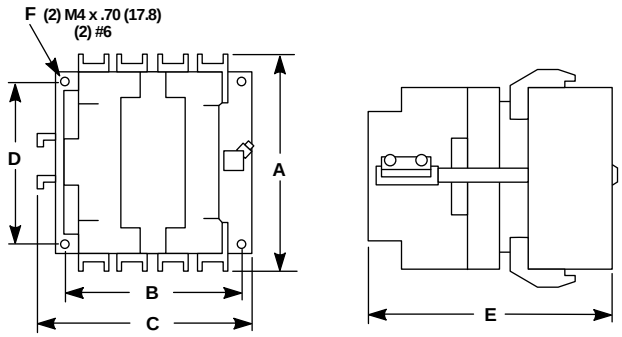
LUG KITS

CATALOG NUMBER	TYPE	DESCRIPTION
67LKM1	100A	3 mechanical connectors
67LKC1		3 compression connectors
67LKM2	200A	3 mechanical connectors
67LKC2		3 compression connectors

Specifications are subject to change without notice.

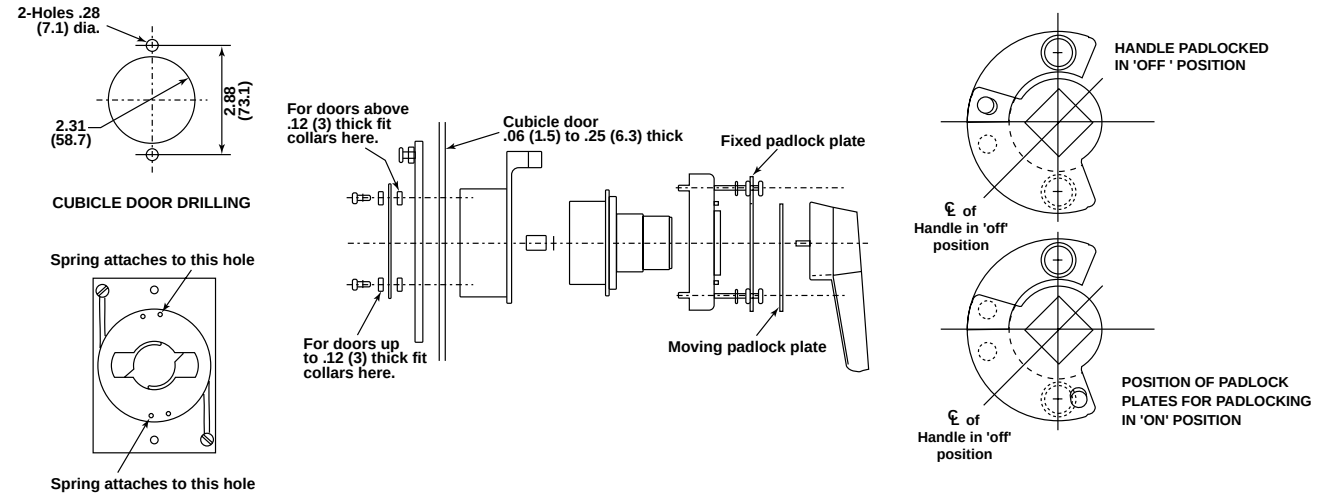
Fused Disconnect Dimensions and Assemblies

FUSED DISCONNECT SWITCHES PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



DISCONNECT SWITCH DIMENSION REFERENCES						
CATALOG NUMBER	APPROXIMATE DIMENSION					
	A	B	C	D	E	F
67FSJ30	4 19/64" (109)	3 23/64" (85)	4 21/64" (110)	3 15/64" (82)	5 15/64" (133)	M4
67FSC30 67FSN30	4 19/64" (109)	3 23/64" (85)	4 21/64" (110)	3 15/64" (82)	4 13/32" (112)	M4
67FSJ60 67FSN60	4 21/32" (118)	4 23/32" (120)	5 19/32" (142)	3 15/16" (100)	4 25/32" (121)	M4
67FSJ100 67FSN100	6 21/32" (169)	6 7/32" (158)	7 11/64" (182)	4 9/64" (105)	4 59/64" (125)	M6
67FSJ200 67FSN200	9 27/32" (250)	8 21/32" (220)	9 17/32" (242)	5 29/32" (150)	7" (178)	M8

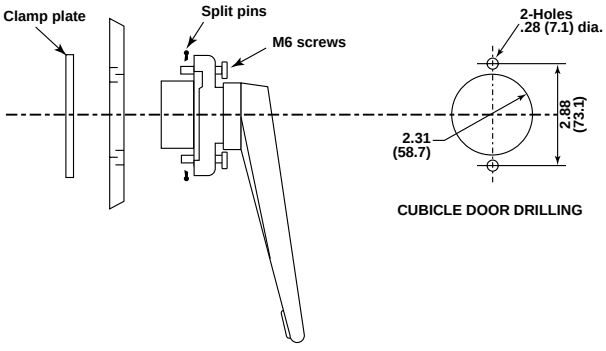
NEMA 3R RATED HANDLE WITH ASSEMBLY



67HS70

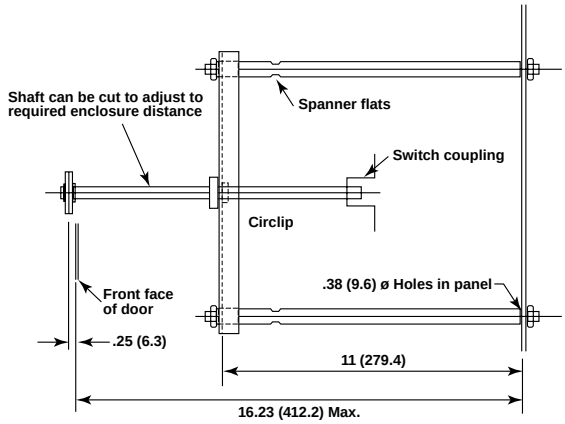
Note: Gasket kit supplied with handle not shown

NEMA 1 HANDLE



67HS71

LONG (EXTENDED) SHAFT WITH SUPPORT BRACKET

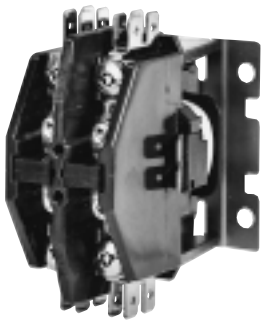


67L12

Specifications are subject to change without notice.

BRYANT

Definite Purpose Contactors
DP Series 6800



68DP202B

68DP503B

68AC1SPDT

68MI2560

Electrical Specifications

- 600V AC max.
- Inductive ratings of 20-90 amp
- Available in 2, 3, & 4 pole for select amp ratings
- Coil voltages: 24, 120, and 240V AC - 60 Hz
- Meets ARI 780 Standards
- UL Component Recognized
- CSA Certified

Features

- Compact size
- Interchangeable mounting
- Snap-on elect. interlock for 25 to 60 amp units
- Snap-on mech. interlock for 25 to 60 amp units
- Enclosed coil with Class H insulation for 25 to 60 amp units
- Cushioned coil to reduce vibration
- Large power connection terminations
- Standard with .250 (6.4) male quick disconnect terminations
- Recessed push-to-test button
- High strength, durable construction

DP CONTACTORS ORDERING DATA

CATALOG NUMBER	INDUCT. AMPS	POLES	DESCRIPTION	RESIST. AMPS	240V AC		277V AC		480V AC		600V AC	
					LRA	HP	LRA	HP	LRA	HP	LRA	HP
68DP202A	20	2	20A 2P W/24V AC coil	30	120	—	120	—	100	—	80	—
68DP202B	20	2	20A 2P W/120V AC coil	30	120	—	120	—	100	—	80	—
68DP202C	20	2	20A 2P W/240V AC coil	30	120	—	120	—	100	—	80	—
68DP302A	30	2	30A 2P W/24V AC coil	40	180	—	180	—	135	—	110	—
68DP302B	30	2	30A 2P W/120V AC coil	40	180	—	180	—	135	—	110	—
68DP302C	30	2	30A 2P W/240V AC coil	40	180	—	180	—	135	—	110	—
68DP402A	40	2	40A 2P W/24V AC coil	55	200	—	200	—	135	—	110	—
68DP402B	40	2	40A 2P W/120V AC coil	55	200	—	200	—	135	—	110	—
68DP402C	40	2	40A 2P W/240V AC coil	55	200	—	200	—	135	—	110	—
68DP253B	25	3	25A 3P W/120V AC coil	30	150	5	—	—	125	7.5	100	7.5
68DP303A	30	3	30A 3P W/24V AC coil	40	180	7.5	—	—	150	10	120	10
68DP303B	30	3	30A 3P W/120V AC coil	40	180	7.5	—	—	150	10	120	10
68DP303C	30	3	30A 3P W/240V AC coil	40	180	7.5	—	—	150	10	120	10
68DP304B	30	4	30A 4P W/120V AC coil	40	180	7.5	—	—	150	10	120	10
68DP403A	40	3	40A 3P W/24V AC coil	50	240	10	—	—	200	15	160	15
68DP403B	40	3	40A 3P W/120V AC coil	50	240	10	—	—	200	15	160	15
68DP403C	40	3	40A 3P W/240V AC coil	50	240	10	—	—	200	15	160	15
68DP404B	40	4	40A 4P W/120V AC coil	50	240	10	—	—	200	15	160	15
68DP503A	50	3	50A 3P W/24V AC coil	63	300	15	—	—	250	25	200	25
68DP503B	50	3	50A 3P W/120V AC coil	63	300	15	—	—	250	25	200	25
68DP503C	50	3	50A 3P W/240V AC coil	63	300	15	—	—	250	25	200	25
68DP603A	60	3	60A 3P W/24V AC coil	75	360	20	—	—	300	30	240	30
68DP603B	60	3	60A 3P W/120V AC coil	75	360	20	—	—	300	30	240	30
68DP603C	60	3	60A 3P W/240V AC coil	75	360	20	—	—	300	30	240	30
68DP753B	75	3	75A 3P W/120V AC coil	93	450	25	—	—	375	40	300	40
68DP753C	75	3	75A 3P W/240V AC coil	93	450	25	—	—	375	40	300	40
68DP903B	90	3	90A 3P W/120V AC coil	120	540	30	—	—	450	50	360	50
68DP903C	90	3	90A 3P W/240V AC coil	120	540	30	—	—	450	50	360	50

COIL OPERATING CHARACTERISTICS (Average Values)

TYPE	VOLT AMPS		WATTS SEALED	% MIN. RATED VOLTS	
	INRUSH	SEALED		PICK-UP	DROP-OUT
20/30/40 2P	27	7.3	2.6	80	50
25/30/40 3P	52	6.2	2.5	80	50
30/40 4P	91	15.6	4.2	80	50
50/60 3P	91	15.6	4.2	80	50
75/90 3P	200	31	13.5	85	50

WIRING TERMINATIONS

TYPE	POWER WIRING	COIL WIRING
20/30/40 2P	1 or 2 Wires #8 to #16 AWG #10 Combination Head Slotted/Torx Binding Head Screw or Double Male Quick Connect (.032 x .250)①	2 - Double Male Quick Connect (.032 x .250)①
25 3P 30 3P & 4P	1 or 2 Wires #8 to #16 AWG #10 Combination Head Slotted/Torx Binding Head Screw or Double Male Quick Connect (.032 x .250)①	2 - #6 Comb. Phillips/Slotted Pan Head Screw or 2 - Single Male Quick Connect (.032 x .250)①
40 3P & 4P	1 Wire #3 to #8 AWG Box Lug or Double Male Quick Connect (.032 x .250)①	
50/60 3P	1 Wire #3 to #8 AWG Box Lug or Double Male Quick Connect (.032 x .250)①	2 - #6 Comb. Phillips/Slotted Pan Head Screw or 2 - Single Male Quick Connect (.032 x .250)①
75 3P	1 Wire #4 Max. AWG Box Lug or Double Male Quick Connect (.032 x .250)①	2 - #6 Slotted Pan Head Screw or 2 - Single Male Quick Connect (.032 x .250)①
90 3P	1 Wire #2 Max. AWG Box Lug or Double Male Quick Connect (.032 x .250)①	

① .032" x .250" = .8 x 6.4 mm

Specifications are subject to change without notice.

BRYANT

Definite Purpose Contactors
DP Series 6800

REPLACEMENT PARTS

CATALOG NUMBER	DESCRIPTION
68CK30①	One pole contact kit for 30 amp 3P or 4P
68CK40①	One pole contact kit for 40 amp 3P or 4P
68CK50①	One pole contact kit for 50 amp 3P
68CK60①	One pole contact kit for 60 amp 3P
68CK75①	One pole contact kit for 75 amp 3P
68CK90①	One pole contact kit for 90 amp 3P
68RC2560HA	Coil 24V AC 25 - 60 amp 3P & 4P
68RC2560HB	Coil 120V AC 25 - 60 amp 3P & 4P
68RC2560HC	Coil 240V AC 25 - 60 amp 3P & 4P
68RC2560HD	Coil 277V AC 25 - 60 amp 3P & 4P
68RC2560HE	Coil 480V AC 25 - 60 amp 3P & 4P
68RC7590B	Coil 120V AC 75 - 90 amp 3P
68RC7590C	Coil 240V AC 75 - 90 amp 3P
68RC7590D	Coil 277V AC 75 - 90 amp 3P
68RC7590E	Coil 480V AC 75 - 90 amp 3P

ACCESSORIES

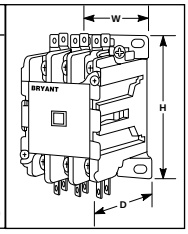
CATALOG NUMBER	DESCRIPTION
68AC1SPDT	25 - 60 amp 3P & 4P 1 SPDT aux. contact
68AC2SPDT	25 - 60 amp 3P & 4P 2 SPDT aux. contact
68MI2560	25 - 60 amp 3P & 4P – mechanical interlock

COIL RATINGS

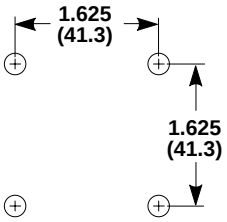
VOLTS 60 Hz	VOLTS 50 Hz
24	24
110-120	110
208-240	190-22
277	240
440-480	380-440

MAXIMUM SPACE REQUIREMENT

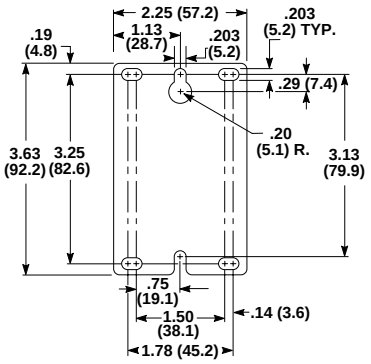
TYPE	H	W	D
20/30/40 2P	3.27 (83.1)	2.00 (50.8)	2.66 (67.6)
25/30/40 3P	3.96 (100.6)	2.25 (57.2)	3.00 (76.2)
30/40 4P	3.96 (100.6)	2.88 (73.2)	3.00 (76.2)
50/60 3P	4.07 (103.4)	2.88 (73.2)	3.10 (78.7)
75/90 3P	5.38 (136.7)	3.62 (91.9)	4.81 (122.2)



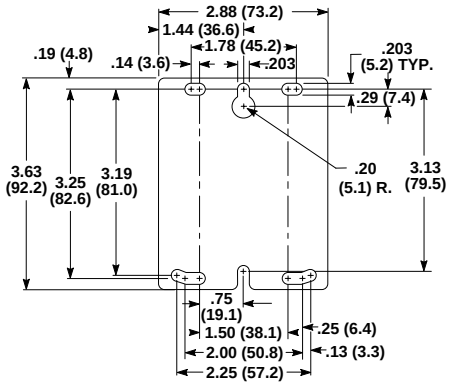
MOUNTING HOLE PATTERNS – ( ) Indicates mm dimensions



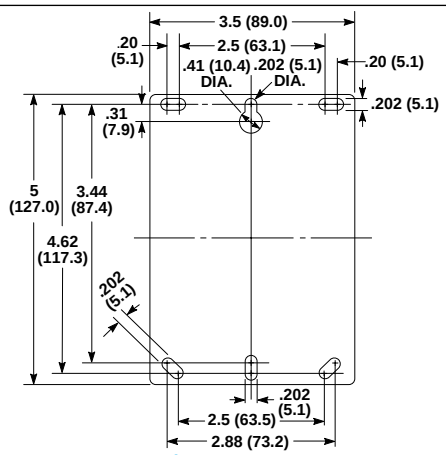
20/30/40 2 POLE



25/30/40 3 POLE



30/40 4 POLE AND 50/60 3 POLE



75/90 3 POLE

①Contact kit catalog numbers shown are for one pole only.

Specifications are subject to change without notice.

BRYANT Pendant Control Stations

PCS-002

Features

- Compact size: designed for the human hand
- Safety-yellow “Super-Tuf” polymer enclosure
- Heavy-duty nickel-plated beryllium copper contacts
- Generous wiring space between contacts
- “Saddle” type wire terminations
- Raised button guards
- Mechanical interlock on single and two-speed stations
- Included: Cord Connector Kit to convert the pendant stations from NEMA 1 general-purpose enclosures to NEMA 4X watertight, dust-tight, and corrosion-resistant enclosures for indoor or outdoor applications
- UL and CSA Listed

Applications

Push-button control of

- Industrial cranes
- Electric hoists
- Remote jog of industrial machines

Ideal for use in:

- Assembly shops
- Transport operations
- Construction industry
- Agriculture and food processing industry

CATALOG NUMBER	DESCRIPTION
PCS-002	Single speed with mechanical interlock between push buttons
PCS-102	Single speed normally open-normally closed without mechanical interlock
PCS-202	Two-speed with mechanical interlock between push buttons

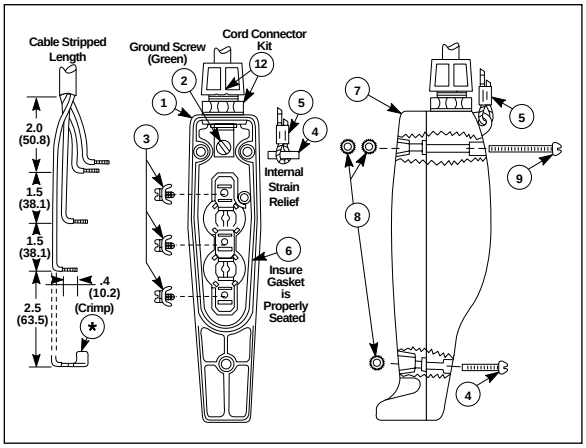
CONTACT RATINGS - COMPACT PENDANT PUSH BUTTON STATIONS NEMA 1 AND NEMA 4X VERSIONS

	SINGLE-SPEED		TWO-SPEED	
AC 35% Power Factor	Voltage 120V 240V	Current 6.0 AMP 3.0 AMP	Voltage 120V 240V	Current 3.0 AMP 1.5 AMP
DC Inductive	125V 250V	1.1 AMP 0.55 AMP	— —	— —

Contacts will carry the above currents on a continuous basis and have the same interrupting ratings.

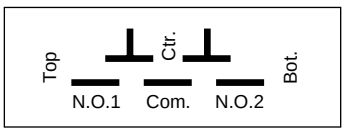
COMPACT ASSEMBLY PARTS LIST

NO.	QTY.	ASSEMBLY PARTS LISTING
1	1	Front housing
2	1	1/2" N.P.T. Locknut Gnd. Brkt.
3	3	Terminal Clamps
4	1	Pin
5	1	Crimp Sleeve
6	1	Gasket
7	1	Rear Housing
8	3	#8-32 Hex Nut
9	2	#8-32 x 1¾" (44.5) Lg. R.H.M.S.
10	1	#8-32 x 1" (25.4) Lg. R.H.M.S.
11	1	Button Labels (Stick-On)
12	1	Cord Connector Kit
*	1	90° Terminal (Two-Speed only)

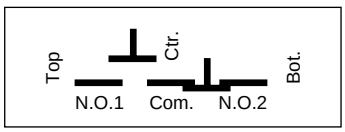


WIRING DIAGRAM

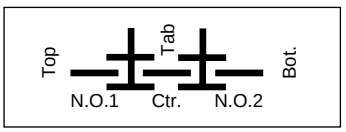
Single-Speed① PCS-002



Momentary (On/0ff) PCS-102



Two-Speed① PCS-202



① Mechanical “floating ball” interlock prevents actuating both push buttons simultaneously.

Specifications are subject to change without notice.

Section K

LAMPHOLDERS

Section K Index

LAMPHOLDERS

Fluorescent Lampholders

Medium Bi-Pin **K1**

Slimline **K2**

Recessed Double Contact **K3**

Snap-In Quickwire **K4**

Fluorescent Starters and Starter Socket **K5**

Incandescent Lampholders

Medium Base Box Mounting **K6**

Mogul and Medium Base **K7**

Plug-In Adapters **K8**

Cartridge Fuse Holders **K8**

BRYANT

Fluorescent Lampholders
Medium Bi-Pin

4051

4070

4301-W

4304-W

4400-W

4300-W

Features - Specifications

- Rating 660W – 600 volts
- Molded, white thermosetting urea
- Heavy-gauge, copper-alloy contacts
- Contacts silver plated to assure reliable, low-resistance junction with lamp pins
- Quickwire pressure terminals (except 4300W)
- Center guidepost for easy lamp insertion
- UL Listed File #E5570 – Guide #OKCT
- CSA Certified File #19195 – Guide #240-A-5.14 Class 6231 (except 4300W)

MEDIUM BI-PIN – LAMP SIZE T8, T12

CATALOG NUMBER	DESCRIPTION
4051①	White, Pal-nut installed, with slide-on lugs for 18-gauge metal
4070②	White, U-bend lampholder with slide-on lugs for 18-gauge metal
4301-W	White, tapped bracket, .315 (8.0) thick, #6-32x¼" screw assembled

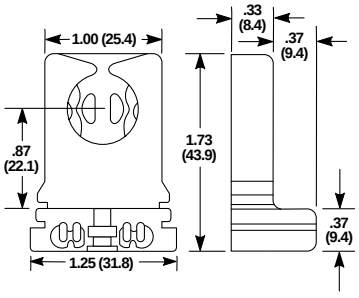
MEDIUM BI-PIN LOW PROFILE – LAMP SIZE T8, T12

CATALOG NUMBER	DESCRIPTION
4304-W	White, tapped bracket, .343 (8.7) thick, screw assembled
4304-W12	White, without bracket, with centered vertical slot in base to engage lance tab, .343 (8.7) thick
4304-W7	White, center hole tapped for #8-32 screw, .343 (8.7) thick

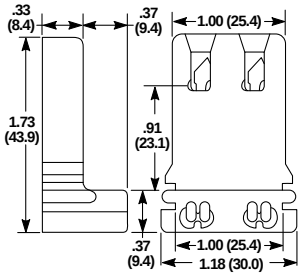
MEDIUM BI-PIN – LAMP SIZE T6, T8, T12 FOR PRE-HEAT OR RAPID START LAMPS

CATALOG NUMBER	DESCRIPTION
4400-W	White, .315 (8.0) thick with "U" base, slide on lugs
4300-W	White tombstone with terminal screws

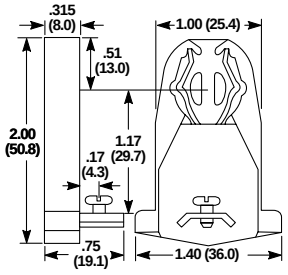
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



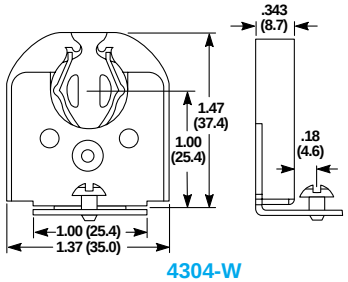
4051



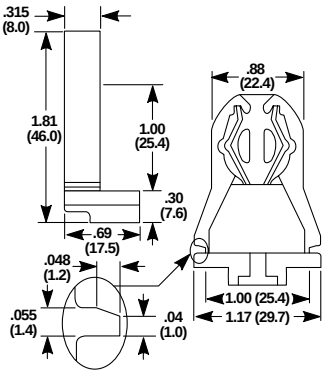
4070



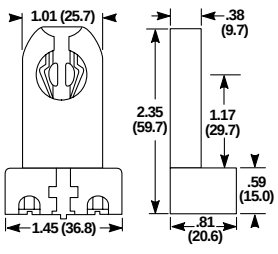
4301-W



4304-W



4400-W



4300-W

K 1

① Screws supplied separately.
② U Bend circuit interrupting not available.

Specifications are subject to change without notice.

Fluorescent Lampholders
Slimline

4385-W7

4386-W7

4376-A

4377-A

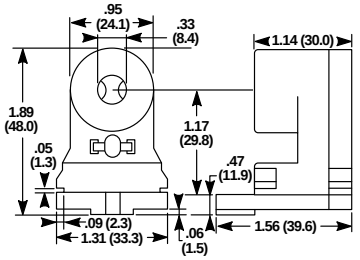
Features - Specifications

- Type: Slimline
- Rating: 660W, 600V primary, 1000V secondary
- Molded in white urea
- Lamp size T6, T8, T12
- Entire contact assembly silver-plated for low contact resistance
- Quickwire terminals accept #18 AWG twisted and tinned, solder-dipped, as well as solid leads stripped ⅜" (9.5)
- UL Listed
- CSA Certified

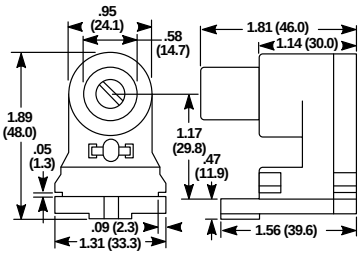
SLIMLINE

CATALOG NUMBER	DESCRIPTION
4385-W7	White stationary end, quickwired with slide-on lugs and solid platform
4386-W7	White plunger end, quickwired with slide-on lugs and solid platform
4376-A	White stationary tombstone with p nut and screw installed
4377-A	White plunger tombstone with p nut and screw installed

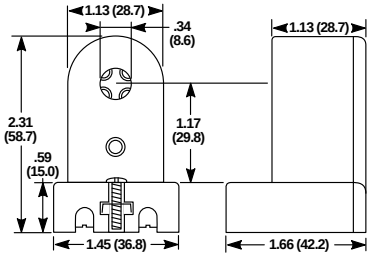
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



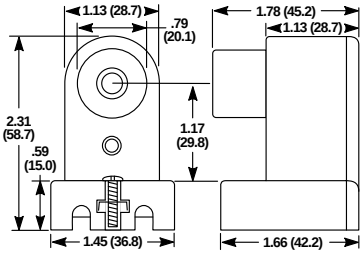
4385-W7



4386-W7



4376-A



4377-A

Specifications are subject to change without notice.

BRYANT

Fluorescent Lampholders
Recessed Double Contact

4876

4877

650-SH

650-PH

650-SHB

650-PHB

Features - Specifications

- Type – Recessed Double Contact
- Rating – 660W, 600V
- Contact assembly silver-plated for low contact resistance
- Lamp size T12, T17
- Proper plunger tension for good contact pressure and lamp retention, yet easy to relamp
- Molded from white urea
- Approved for use with stranded #18 AWG wire, bonded, stranded, or solder-dipped stranded (650 Series)
- UL Listed File #E5570 – Guide #OKCT
- CSA Certified File #19195 – Guide #240-A-5.14 Class 6231 (650 Series only)

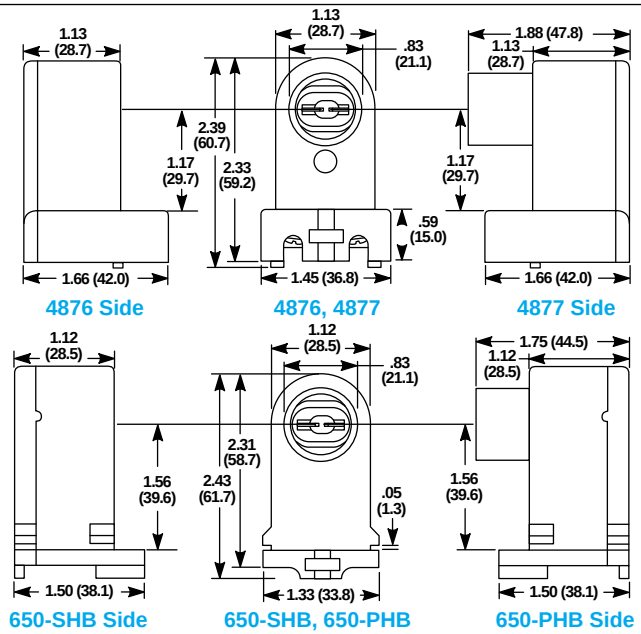
Application

- 4876, 4877 – HO, VHO, or SHO lamps
- 650 Series – RDC, HO, VHO, SHO and PG lamps

RECESSED DOUBLE CONTACT

CATALOG NUMBER	DESCRIPTION
4876	Horizontal stationary end, terminal screws
4877	Horizontal plunger end, terminal screws
650-SH	Horizontal stationary, with “U” slot base
650-PH	Horizontal plunger, with “U” slot base
650-SHB	Horizontal stationary, with slide-on lugs and platform
650-PHB	Horizontal plunger, with slide-on lugs and platform

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



K 3

Specifications are subject to change without notice.

Fluorescent Lampholders
Snap-In Quickwire

600-S

600-P

610-S

610-P

620-S

620-P

4455

Features - Specifications

SLIMLINE, MEDIUM BI-PIN, RECESSED DOUBLE CONTACT

- Rating – 660W, 600V (H.V. slimline 1000V)
- Lamp size – T6, T8, T12, T17
- Color locating key simplifies assembly
- Quick snap-in mounting
- Quick wire spring grip terminals
- UL Listed File #E5570 – Guide #OKCT
- CSA Certified File #19195 – Guide #240-A-5.14 Class #6231

MEDIUM BI-PIN, 660 WATTS 600V

CATALOG NUMBER	DESCRIPTION
600-S	Medium bi-pin, stationary end
600-P	Medium bi-pin, plunger end
4455①	Medium bi-pin weather protective molded (PVC) lampholder with wire leads

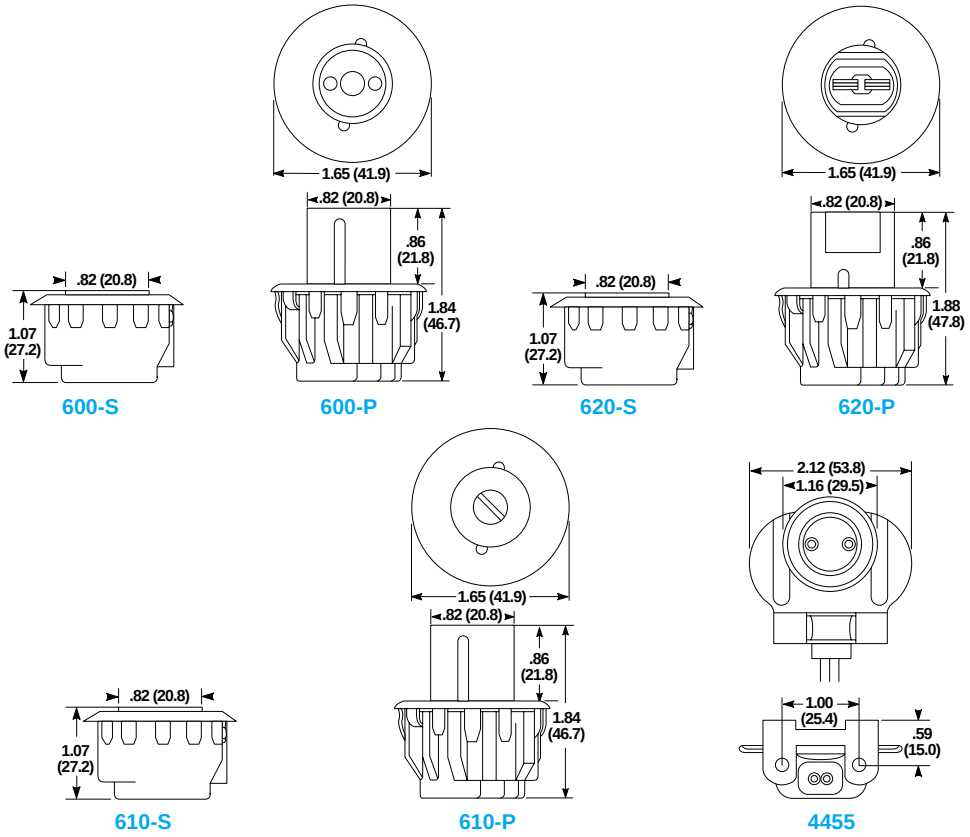
SLIMLINE, 660 WATTS 1000V

CATALOG NUMBER	DESCRIPTION
610-S	Slimline, stationary end
610-P	Slimline, plunger end

RECESSSED DOUBLE CONTACT, 660 WATTS 600V

CATALOG NUMBER	DESCRIPTION
620-S	Recessed double contact, stationary end
620-P	Recessed double contact, plunger end

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



① Not UL Listed or CSA Certified.

Specifications are subject to change without notice.

BRYANT

Fluorescent Starters and Starter Socket

FS4A

FS85A

4309

Features - Specifications

- Manual reset starters cut and lock out defective lamps from circuit. Protects ballast. When lamps are replaced, thermal cut out relay is reset by pressing button
- Automatic reset starters cut and lock out defective lamps from circuit. Protects ballast. When lamps are replaced, thermal cut out relay resets itself when new lamp is installed
- Standard type starters recommended for installations where defective lamps are replaced within one hour and lights are turned on five or more times a day
- All starters are made with heavy-duty, long-life ceramic condensers, desirable for high temperature and high humidity areas
- UL Listed File #E18124 – Guide #FMDX
- CSA Certified File #7145M13 – Guide #100-D-19.1
- Conforms to ANSI Specification C78.180
- Verified under Federal Specification W-S-755C

FLUORESCENT STARTER SOCKET

- Rating – 660W, 250V
- UL Listed File #E18123 – Guide #FL82

MANUAL RESET STARTERS

CATALOG NUMBER	NUMBER OF PINS	LAMP WATTS
FS20A	2	14, 15 and 20 watts
FS40/400A	2	40 watts
FS850A	4	85, 90 and 100 watts

AUTOMATIC RESET STARTERS

CATALOG NUMBER	NUMBER OF PINS	LAMP WATTS
FS4-NA	2	13, 30 and 40 watts
FS85-NA4①	4	85, 90 and 100 watts

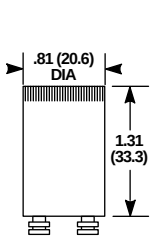
STANDARD TYPE STARTERS

CATALOG NUMBER	NUMBER OF PINS	LAMP WATTS
FS2A	2	14, 15 and 20 watts
FS4A	2	13, 30 and 40 watts
FS5A	2	4, 6 and 8 watts
FS25A	2	25 watts
FS85A	2	85, 90 and 100 watts
FS85-4①②	4	85, 90 and 100 watts

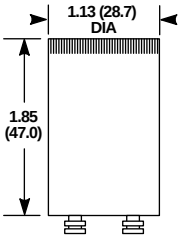
FLUORESCENT STARTER SOCKET – FOR FS2, FS4, FS4-NA, FS5, FS20, FS25, FS40/400

CATALOG NUMBER	DESCRIPTION
4309	Standard size – 2 pin

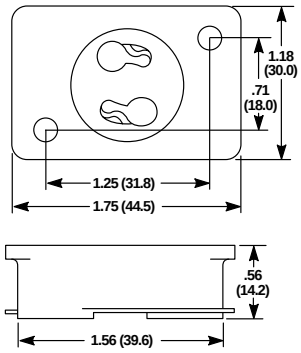
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



FS2A



FS85A



4309

①Not CSA Certified.
②To be discontinued when supplies are exhausted.
Specifications are subject to change without notice.

BRYANT

Incandescent Lampholders
Medium Base

84

174

5228

5288

5291

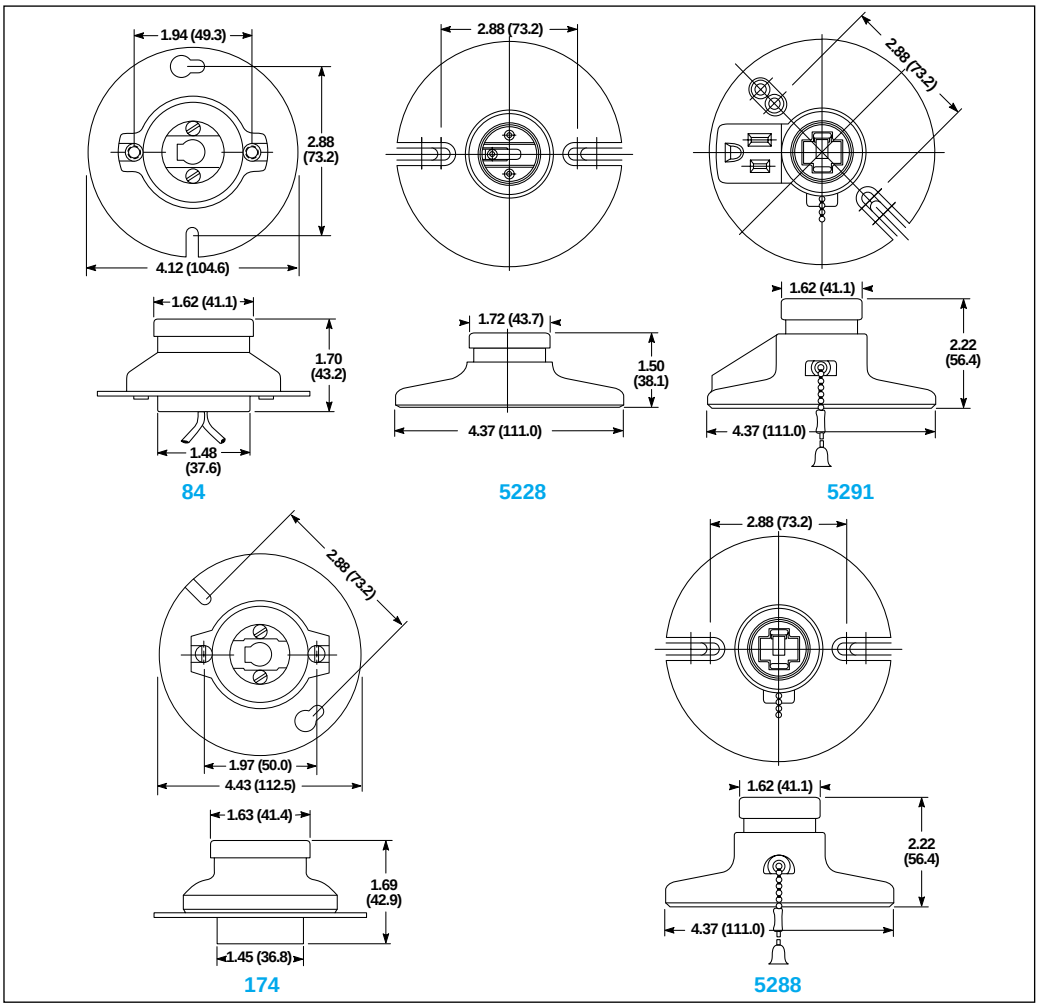
Features - Specifications

- Type – medium base
- Rating – 250 or 660 watts, 125, 250 or 600 volts
- Heavy-duty grade
- Copper-alloy screw shell
- Binding screw terminals
- Porcelain body
- UL Listed File #E1342 – Guide #ONHR

MEDIUM BASE – 3¼" (82.6) AND 4" (101.6) BOX MOUNTING

CATALOG NUMBER	RATING		DESCRIPTION
	WATTS	VOLTS	
84	660	600	Keyless, mounted on 4" (101.6) round metal box cover, with two #14 AWG 6" (152.4) wire leads
174	660	600	Keyless, mounted on 4" (101.6) round metal box cover
5228	660	250	Keyless
5288	250	250	Pull chain, with cord
5291	250	125	Pull chain, with cord and 15 amp 125V grounding receptacle

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.

BRYANT

Incandescent Lampholders
Mogul and Medium Base

1708-BRY

4229

3742

3743R

3842

Features - Specifications

- Type – medium and mogul base
- Rating – 660, 1000, 1200, or 2500 watts 250 volts
- Porcelain body (1708, 3742, 3842, 4229)
- Thermoplastic (3743R)
- Binding screw terminals
- Copper-alloy screw shells (1708, 4229)
- UL Listed File #E15016 – Guide #00IX
- CSA Certified – Guide #240-A-9.90 Class 6231 (3742)

Applications

- 1708, 4229 – sign and fixtures
- Prefocus – where the light source is required at the focal point of the reflector, such as photoelectric systems, stage lighting, aircraft and projection equipment

MEDIUM BASE

CATALOG NUMBER	RATING		DESCRIPTION
	WATTS	VOLTS	
1708-BRY	660	250	White porcelain base for standard 1-gang box, flush mounting

MEDIUM BASE – CLEAT WIRING TYPE

CATALOG NUMBER	RATING		DESCRIPTION
	WATTS	VOLTS	
4229	660	250	White porcelain base, cleat or concealed wiring

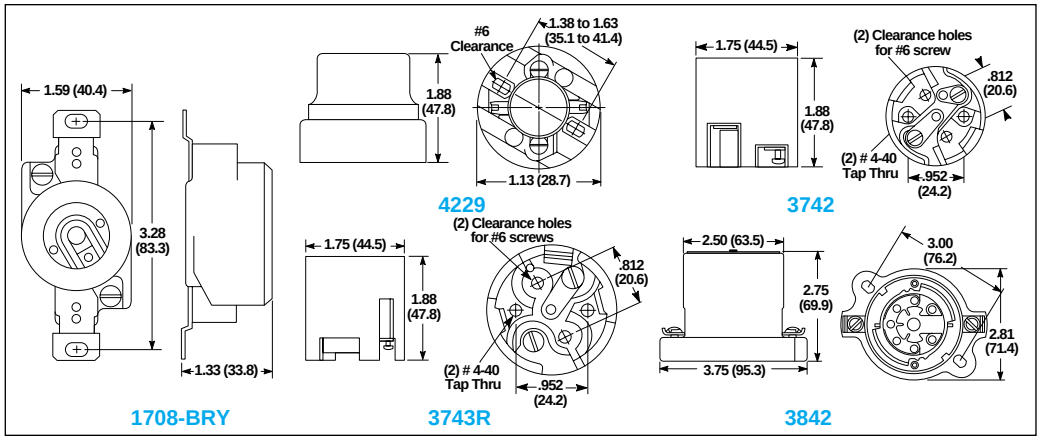
MEDIUM BASE – PREFOCUS TYPE

CATALOG NUMBER	RATING		DESCRIPTION
	WATTS	VOLTS	
3742	1200	250	White porcelain base, surface or clamp mounting
3743R	1000	250	Black thermoplastic base, surface or clamp mounting

MOGUL BASE – PREFOCUS TYPE

CATALOG NUMBER	RATING		DESCRIPTION
	WATTS	VOLTS	
3842	2500	250	Gray porcelain base, surface mounting

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



Specifications are subject to change without notice.

BRYANT

Plug-In Adapters
Cartridge Fuse Holders

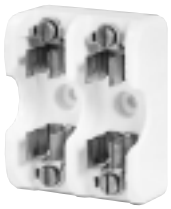
5273-L

5272

17-GI

NEW! 9053AB

NEW! 9054AB



1917

Features - Specifications

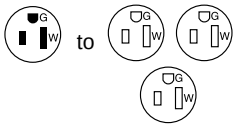
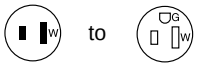
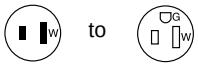
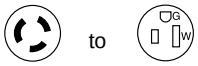
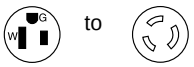
ADAPTER
CATALOG NUMBERS
17-G and 17-GI
- UL Listed File #E3382 – Guide #EMDV

CATALOG NUMBERS
5272 and 5273-L
- UL Listed File #E1381 – Guide #AXUT

CARTRIDGE FUSE HOLDERS
- Barrier type
- White glazed, heavy-duty porcelain
- High heat and moisture resistance

CATALOG NUMBERS
9053AB and 9054AB
- Nylon construction
- Binding screw terminals
- Copper-alloy contacts
- For UL Class RK-5 Fuses
- UL Listed File #E2265 – Guide #IZLT

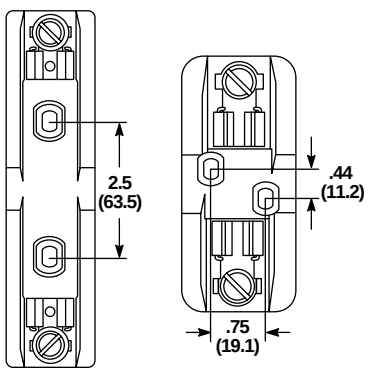
PLUG-IN ADAPTERS

CATALOG NUMBER	RATING	CONFIGURATION	DESCRIPTION
17-G 17-GI	15A 125V		Grounding cube tap, brown Polarized slots Grounding cube tap, ivory Polarized slots
5272	15A 125V		Converts 2 pole 2 wire receptacle to accept 2 pole 3 wire plug, vinyl plastic, with solid grounding ear
5273-L	15A 125V		Converts 2 pole 2 wire receptacle to accept 2 pole 3 wire plug, black phenolic, with solid grounding ear
9053AB①②	15A 125V		Male end - 3 wire 10A, 250V 15A,125V locking blades; Female end - 3 wire 15A, 125V straight slot grounding
9054AB①	15A 125V		Male end - 3 wire 15A 125V straight blade grounding; Female end - 10A 250V, 15A 125V locking slots

CARTRIDGE FUSE HOLDERS

CATALOG NUMBER	RATING		DESCRIPTION	DIMENSIONS		
	AMPS	VOLTS		LENGTH INCHES	WIDTH INCHES	HEIGHT INCHES
3937	1-30	600V	Single pole	6 7/16 (163.5)	1 11/16 (42.9)	1 3/4 (44.5)
3929	1-30	250V	Single pole	3 7/16 (87.3)	1 17/32 (38.9)	1 1/2 (38.1)
1917	1-30	250V	Double pole	3 5/16 (84.2)	2 13/16 (71.5)	1 1/16 (36.5)
1924	1-30	250V	Triple pole	3 5/16 (84.2)	4 1/16 (103.2)	1 1/16 (36.5)

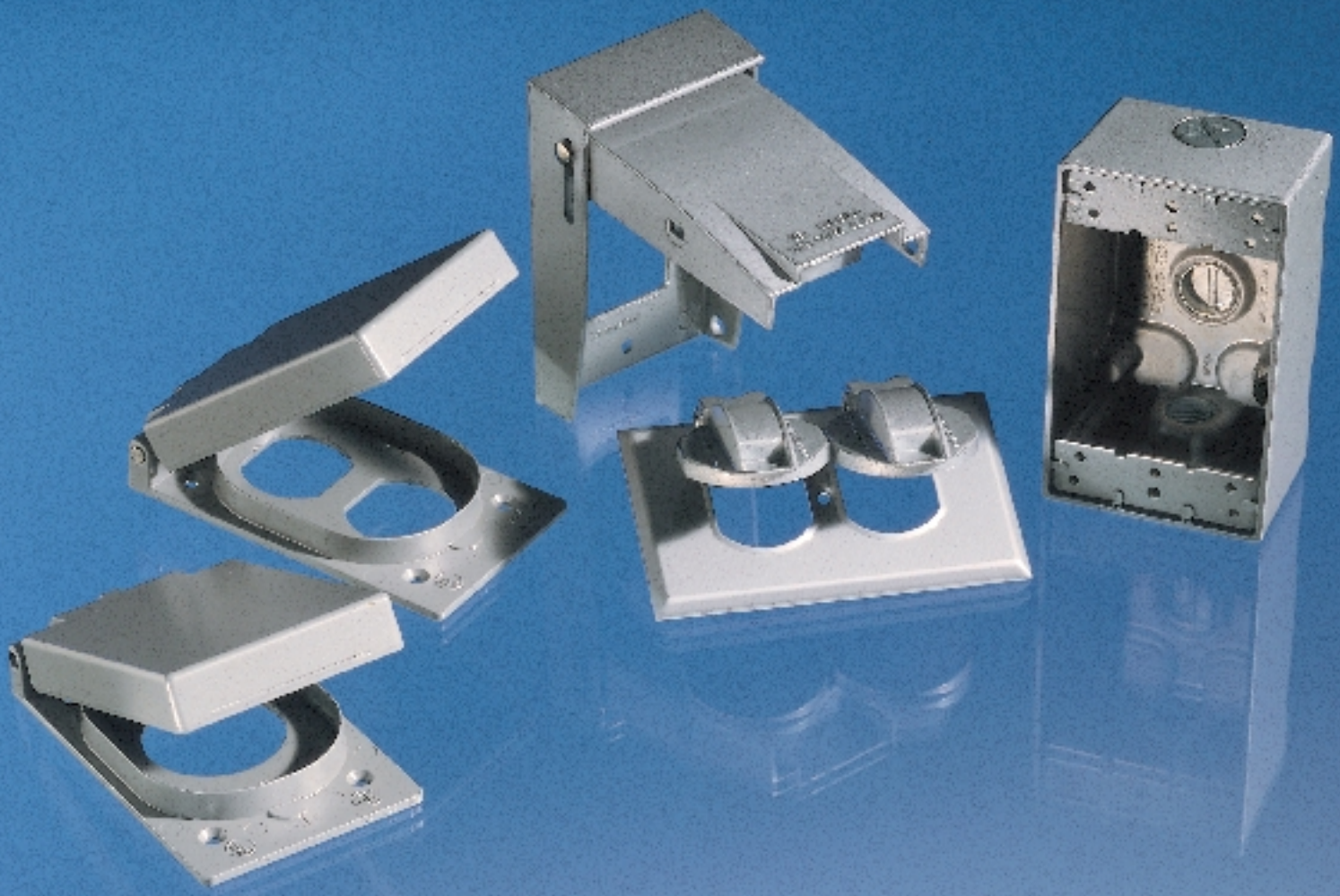
PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



3937 3929 1917 1924

① Not UL listed
② Must always be used with grounded receptacle
Note: Adapters are not intended to be used as a replacement for permanent devices. They are intended for temporary use only.

Specifications are subject to change without notice.



Section L

WEATHERPROOF PRODUCTS

Section L Index

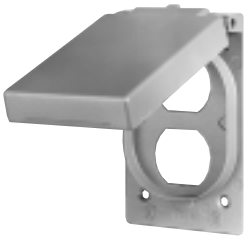
WEATHERPROOF PRODUCTS

Weatherproof Covers

Industrial.....**L1**
“While In Use” **L2**

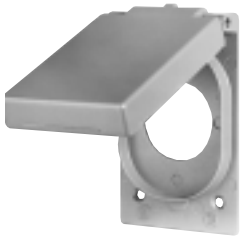
BRYANT

Industrial Weatherproof Covers



4510-B

4510-D



7420-B

23007

7770

Features - Specifications

- Rugged die-cast aluminum construction with gray epoxy finish provides excellent corrosion resistance
- Self-closing lift lid cover with heavy-duty stainless steel spring assures maximum weatherproof protection
- All weatherproof covers are furnished complete with mounting screws (nickel-plated brass) and gaskets
- F.S. and F.D. box mounting
- UL Listed, wet, damp and dry locations when closed

INDUSTRIAL, CAST ALUMINUM OUTDOOR PLATES, VERTICAL, F.S. MOUNTING

CATALOG NUMBER	APPLICATION
4510-B	Duplex receptacle opening
4510-D	GFI/Fashion NEMA 1.3" (33.0) x 2.6" (66.0) opening
7418-B	1.40" (35.6) dia. opening, 15 and 20 amp single receptacle
7420-B	1.62" (41.1) dia. opening, 20 and 30 amp locking receptacle
7427-B	2.15" (54.6) dia. opening, 30 and 50 amp, 3-wire power receptacles
7429-B	2.31" (58.7) dia. opening for “MBWP” inlets
7770	50 amp standard locking receptacles
23007	20 amp power interrupting, locking receptacles
20405	30 amp power interrupting, locking receptacles

HORIZONTAL F.S. AND DEVICE MOUNTING

5210-B	Duplex receptacle, device mounted
5211-B	Duplex receptacle, F.S. mounting

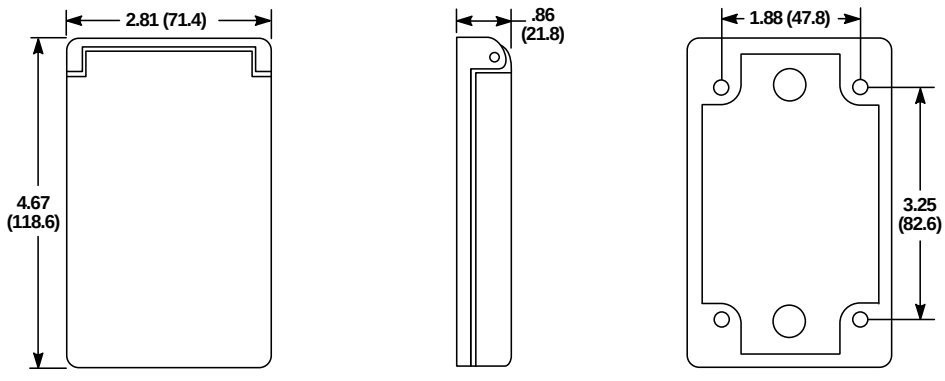
INDUSTRIAL, POLYCARBONATE OUTDOOR PLATE, VERTICAL, F.S. MOUNTING

7774-CR①②	50 amp “CS” or standard locking receptacles

RECOMMENDED WEATHER PROTECTIVE COVERS

7418-B		7420-B			7427-B	7770/7774-CR	7774-CR
556	8310	70520-FR	71230-FR	72120-FR	9530-FR	3771	CS6369
5261	7250	70620-FR	71330-FR	72220-FR	9630-FR	7379	CS6370
5251	5284	70720-FR	71420-FR	72320-FR	9303	3769	CS8169
5661	5258	70820-FR	71520-FR	72130-FR	9306	6369-CR	CS8269
5361	5684	70920-FR	71620-FR	72230-FR	9550-FR	6370-CR	CS8369
5351	5384	70530-FR	71430-FR	72330-FR	9650-FR		CS8469
5461	5484	70630-FR	71530-FR	3330			CS6369-N
4710	5261-IG	70730-FR	71630-FR	3430			CS6370-N
4760	5361-IG	70830-FR	71730-FR	3520			CS8169-N
7582	7535	70930-FR	71820-FR	7410			CS8269-N
7310	70615-FR	71020-FR	71920-FR	40045-FR			CS8369-N
8210		71120-FR	72020-FR	FSL1-FR			CS8469-N
		71220-FR	71830-FR	FSL2-FR			
		71030-FR	71930-FR	FSL3-FR			
		71130-FR	72030-FR	FSL4-FR			

PRODUCT DIMENSIONS – ( ) Indicates mm dimensions



①“CS” 50 amp locking receptacles require this cover.
②Outline drawing is shown on page H-15.

Specifications are subject to change without notice.

BRYANT

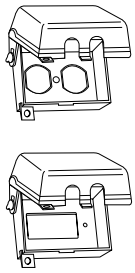
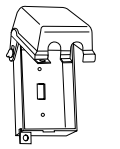
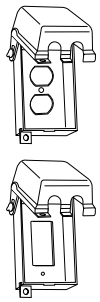
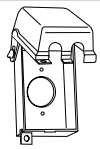
Weatherproof Products
"While In Use" Covers, Single and Two Gang
Standard and Deep Sizes

Features - Specifications

- Durable corrosion-resistant polycarbonate construction
- Large cord opening for heavy gauge cords
- Rated NEMA 3R
- Box or device mounting
- Suitable for wet locations when receptacle is in use and cover is closed [1993 NEC 410-57(b)]
- Latching tab secures cover closed
- Covers offer lockout tagout feature to prevent accidental power up or tampering
- Holes for padlocks are 1/4" (6.4)
- Drill points in four corners for box mounting
- Covers include box gasket, lids have gasketless design
- UL Listed CSA Certified

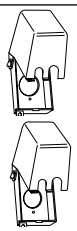
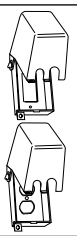
STANDARD DEPTH COVERS

SINGLE GANG

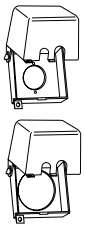
	RB5761-0	Horizontal mounting supplied with standard duplex and GFCI/ Fashion Series inserts
	RB5050-0	Vertical Mounting Toggle Switch
	RB5752-0	Vertical Mounting supplied with standard duplex and GFCI/ Fashion Series inserts
	RB5053-0	Vertical Mounting Single 1.406" dia. (35.7)

DEEP COVERS

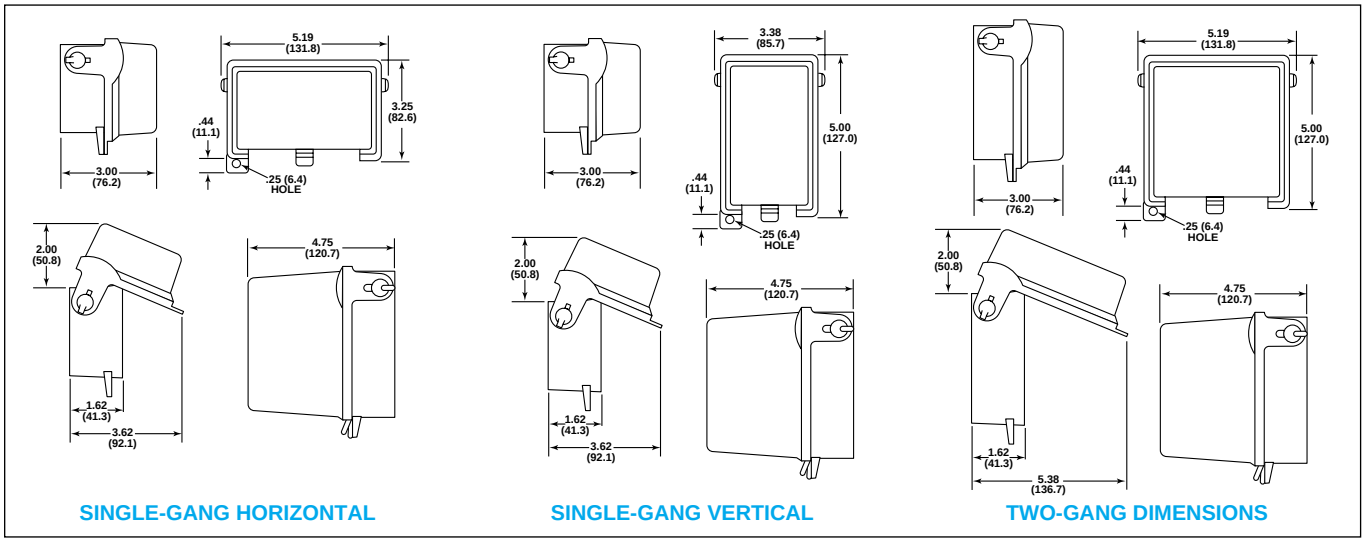
SINGLE GANG

	RB5780-0	Vertical Mounting supplied with single 1.406" dia. (35.7) and single 1.593" dia. (40.5) inserts
	RB5781-0	Vertical Mounting supplied with standard duplex and GFCI/ Fashion Series inserts

TWO GANG

	RB5784-0	Vertical Mounting supplied with single 2.156" dia (54.8) and Single 2.656" dia. (67.4) inserts
	RB5789-0	Vertical Mounting supplied with double duplex and GFCI/ Fashion Series inserts

DIMENSIONAL DATA – ( ) Indicates mm dimensions



SINGLE-GANG HORIZONTAL | SINGLE-GANG VERTICAL | TWO-GANG DIMENSIONS

Specifications are subject to change without notice.

Section M

WALL PLATES

Section M Index

WALL PLATES

NYLON, STAINLESS STEEL, SOLID BRASS, ALUMINUM, PLATED STEEL

Finishes **M1**

Plates

Standard Size **M2-M12**

Mid-Size **M2-M11**

Oversize **M13**

Telephone **M10, M11**

Voice/Data **M11, M12**

Premarked Wall Plates

Emergency **M14**

G.F.C.I. Protected **M14**

Isolated Ground **M14**

Computer Only **M14**

Special Purpose **M14**

Oil/Gas Burner **M16**

Custom Wall Plates

Ordering Information **M18**

Configuration Selector Guide **M19-M22**

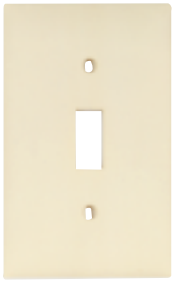
Accessories **M16**

Selection Chart **M17**

Dimensions, Material Specifications **M15**

Plate Technical Specifications **M23**

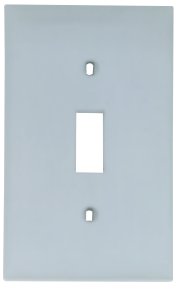
HIGH-IMPACT NYLON WALL PLATES



Ivory
N2171

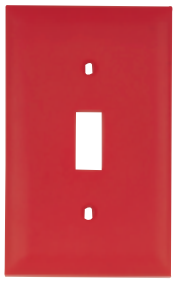
Brown
N1271

White
N1371

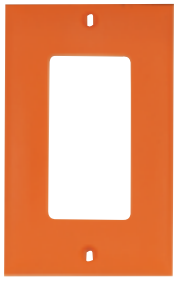


Gray
N1471

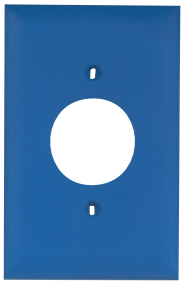
Black
N0171



Red
N2271



Orange
N3901D



Blue
N4911M

METAL WALL PLATES

Type 302/304 Stainless Steel
S671

Brushed Solid Brass
S2871

Satin Solid Brass
S1871

Solid Aluminum
S2571

Chrome-Plated Steel
S471

Brass-Plated Steel
S971

QUALITY SELECTION

Bryant offers one of the largest selections of high-impact nylon and metal wall plates available from any wiring device manufacturer. Bryant wall plates are of the finest quality and meet or exceed all applicable standards. Our outstanding stock selection and custom capabilities provide you with a wide variety of materials, finishes, colors, sizes and configurations.

Bryant. For the best in wall plate quality, selection and service.

HIGH-IMPACT NYLON

For schools, hospitals, industrial or other applications where good looks, strength and durability are required.

- Virtually indestructible to eliminate breakage losses
- Contoured edges and positive bow for flush mounting
- Captive screw feature for fast, easy installation
- Smooth, attractive styling to enhance any room
- Self-extinguishing material resists oil, grease, solvents and cleaning agents
- Easy to clean
- Nonconductive

302/304 PREMIUM STAINLESS STEEL

For use in hospitals, industrial, food processing, chemical and other demanding environments.

- Attractive and durable
- Satin finish to disguise fingerprints
- Nonmagnetic for static-free requirements
- Withstands corrosive environments

SOLID BRASS, ALUMINUM AND METALLIC PLATED STEEL

For an attractive, quality finish in commercial, industrial or institutional applications.

- Solid aluminum is nonmagnetic, ideal for many commercial and industrial applications
- Solid brass lends a distinctive look to any installation. Rich, enduring finish is coated to inhibit oxidation.
- Metallic plated steel in chrome and brass finishes. An economical choice for classic elegance.

CUSTOM METAL WALL PLATES

Bryant offers a wide variety of finishes in 2-gang to 8-gang configurations. See pages M-18 to M-22 for complete information and ordering instructions.

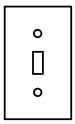
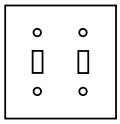
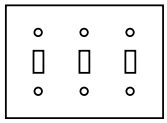
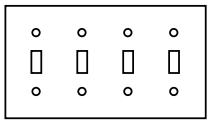
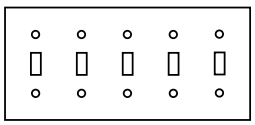
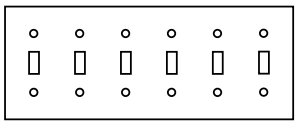
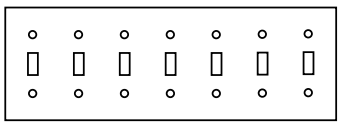
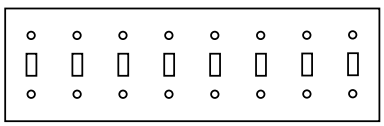
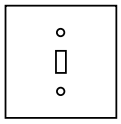
See Page M-15 for complete dimensions and material specifications.

( ) Indicates mm dimensions throughout Section M.

Product specifications appearing in the following section are subject to change without notice.

BRYANT

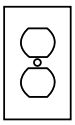
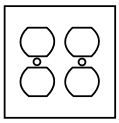
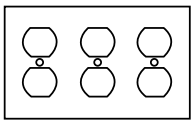
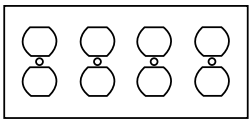
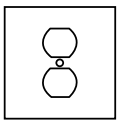
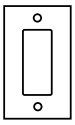
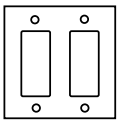
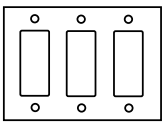
Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM, .040 (1.0) SATIN BRASS	
	COLOR	STANDARD	MID-SIZE				
TOGGLE SWITCH							
 One Switch	Ivory White Gray Red Brown Black	N2171 N1371 N1471 N2271 N1271 N0171	N2171M N1371M — N2271M N1271M —	Chrome Brass — — — —	S471 S971 — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S671 — S2871 S2571 S1871 —
 Two Switches	Ivory White Gray Red Brown Black	N2172 N1372 N1472 N2272 N1272 N0172	N2172M N1372M — N2272M N1272M —	Chrome Brass — — — —	S472 S972 — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S672 — S2872 S2572 S1872 —
 Three Switches	Ivory White Gray Red Brown Black	N2173 N1373 N1473 N2273 N1273 N0173	N2173M N1373M — — N1273M —	Chrome Brass — — — —	S473 S973 — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S673 — S2873 ① S1873 —
 Four Switches	Ivory White Gray Red Brown —	N2174 N1374 N1474 N2274 N1274 —	— — — — — —	Chrome Brass — — — —	① S974 — — — —	302/304 S/S — Brass Aluminum — —	S674 — S2874 ① — —
 Five Switches	Ivory White Gray — Brown —	N2175 N1375 N1475 — N1275 —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S675 — S2875 ① — —
 Six Switches	Ivory White Gray — Brown —	N2176 N1376 N1476 — N1276 —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S676 — S2876 ① — —
 Seven Switches	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S677 — ① ① — —
 Eight Switches	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S678 — ① ① — —
 Two-Gang One Switch	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S652 — ① ① — —

①Available as a custom wall plate. Consult pages M-18 to M-22.

Consult custom wall plate pages for additional openings or combinations.
Specifications are subject to change without notice.

BRYANT Nylon and Metal Wall Plates

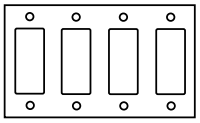
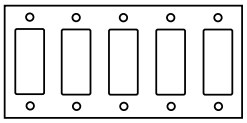
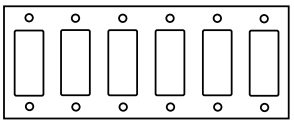
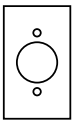
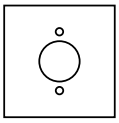
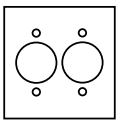
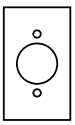
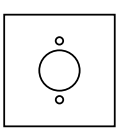
CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM, .040 (1.0) SATIN BRASS	
	COLOR	STANDARD	MID-SIZE				
DUPLEX RECEPTACLE							
 Duplex Receptacle	Ivory White Gray Red Brown Black	N2101 N1301 N1401 N2201 N1201 N0101	N2101M N1301M — N2201M N1201M —	Chrome Brass — — — —	S401 S901 — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S601 — S2801 S2501 S1801 —
 Two Duplex Receptacles	Ivory White Gray Red Brown Black	N2102 N1302 N1402 N2202 N1202 N0102	N2102M N1302M — N2202M N1202M —	Chrome Brass — — — —	S402 S902 — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S602 — S2802 S2502 S1802 —
 Three Duplex Receptacles	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① S903 — — — —	302/304 S/S — Brass Aluminum — —	S603 — ① ① — —
 Four Duplex Receptacles	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S604 — ① ① — —
 Two-Gang One Duplex Receptacle	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S651 — ① ① — —
FASHION SERIES™ 9000							
 Fashion/Or Ground Fault Receptacle	Ivory White Gray Red Brown Black	N2101D N1301D N1401D N2201D N1201D N0101D	N2101DM N1301DM N1401DM N2201DM N1201DM —	Chrome Brass — — — —	S401D S901D — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S601D — S2801D ① S1801D —
 Two Fashion Receptacles	Ivory White Gray Red Brown Black	N2102D N1302D N1402D N2202D N1202D N0102D	N2102DM — — — N1202DM —	Chrome Brass — — — —	S402D S902D — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S602D — S2802D ① S1802D —
 Three Fashion Receptacles	Ivory White Gray — Brown Black	N2103D N1303D N1403D — N1203D N0103D	— — — — — —	Chrome Brass — — — —	① S903D — — — —	302/304 S/S — Brass Aluminum — —	S603D — S2803D ① — —

①Available as a custom wall plate. Consult pages M-18 to M-22.

Consult custom wall plate pages for additional openings or combinations.

Specifications are subject to change without notice.

BRYANT Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
 Four Fashion Receptacles	Ivory White Gray — Brown —	N2104D N1304D N1404D — N1204D —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S604D — S2804D ① — —
 Five Fashion Receptacles	Ivory White Gray — Brown —	N2105D N1305D N1405D — N1205D —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S605D — S2805D ① — —
 Six Fashion Receptacles	Ivory White Gray — Brown —	N2106D N1306D N1406D — N1206D —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S606D — S2806D ① — —
SINGLE 15/20 AMP STRAIGHT BLADE OR 15 AMP LOCKING RECEPTACLE							
 Single Receptacle 1.40 (35.6) ID Hole	Ivory White Gray Red Brown Black	N2111 N1311 N1411 N2211 N1211 N0111	N2111M N1311M — N2211M N1211M —	Chrome Brass — — — —	S411 S911 — — — —	302/304 S/S — Brass Aluminum — —	S611 — S2811 S2511 — —
 2-Gang Single Receptacle 1.40 (35.6) ID Hole	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S655 — ① ① — —
 2-Gang 2 Single Receptacle 1.40 (35.6) ID Hole	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S612 — ① ① — —
20/30 AMP LOCKING RECEPTACLE							
 Single Receptacle 1.60 (40.6) ID Hole	Ivory — — Red Brown Black	N2111-1 — — N2211-1 N1211-1 N0111-1	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S611-1 — S2811-1 S2511-1 — —
 2-Gang Single Receptacle 1.60 (40.6) ID Hole	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S655-1 — ① ① — —

①Available as a custom wall plate. Consult pages M-18 to M-22.

Consult custom wall plate pages for additional openings or combinations.

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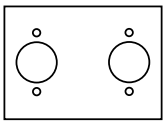
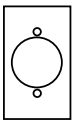
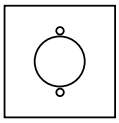
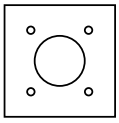
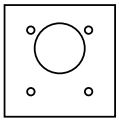
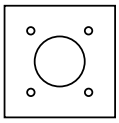
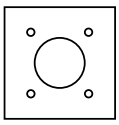
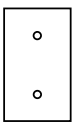
Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
 3-Gang 2 Locking Receptacle 1.60 (40.6) ID Hole, Blank Center	—	—	—	Chrome	①	302/304 S/S	S6111B111
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
POWER OUTLET							
 Power Outlet 2.15 (54.6) ID Hole	Ivory	N2116	—	Chrome	S416	302/304 S/S	S616
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	S2516
	Brown	N1216	—	—	—	—	—
	Black	N0116	—	—	—	—	—
 2-Gang Power Outlet 2.15 (54.6) ID Hole	—	—	—	Chrome	S454	302/304 S/S	S654
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 2-Gang Power Outlet 2.15 (54.6) ID Hole	Ivory	N2154E	—	—	—	302/304 S/S	S654E
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	Red	N2254E	—	—	—	—	—
	Brown	N1254E	—	—	—	—	—
	Black	N0154E	—	—	—	—	—
 2-Gang Power Outlet 2.18 (55.4) ID Hole	—	—	—	—	—	302/304 S/S	S654F
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 2-Gang Power Outlet 2.48 (63.0) ID Hole	—	—	—	—	—	302/304 S/S	S654K
	—	—	—	—	—	—	—
	—	—	—	—	—	Brass	S2854K
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 2-Gang Power Outlet 2.66 (67.6) ID Hole	—	—	—	—	—	302/304 S/S	S654N
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
BLANK PLATE, STRAP MOUNTED							
 Blank With Strap	Ivory	N2121	—	Chrome	①	302/304 S/S	S621
	White	N1321	—	Brass	①	—	—
	Gray	N1421	—	—	—	Brass	S2821
	Red	N2221	—	—	—	Aluminum	①
	Brown	N1221	—	—	—	—	—
	Black	N0121	—	—	—	—	—

①Available as a custom wall plate. Consult pages M-18 to M-22.

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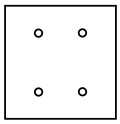
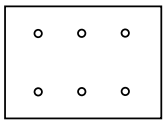
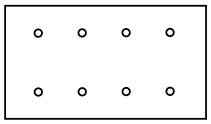
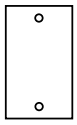
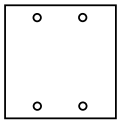
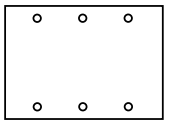
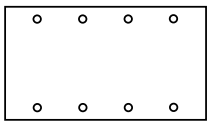
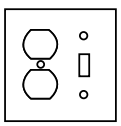
BRYANT Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM, .040 (1.0) SATIN BRASS	
	COLOR	STANDARD	MID-SIZE				
 Two-Gang Blank With Straps	Ivory White Gray Red Brown —	N2122 N1322 N1422 N2222 N1222 —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S622 — ① ① — —
 Three-Gang Blank With Straps	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S623 — ① ① — —
 Four-Gang Blank With Straps	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S624 — ① ① — —
BLANK PLATE, BOX MOUNTED							
 Blank Box Mount	Ivory White — — Brown —	— — — — — —	N2121BM N1321BM — — N1221BM —	Chrome Brass — — — —	S421B S921B — — — —	302/304 S/S — Brass Aluminum — —	S621B — S2821B S2521B — —
 Two-Gang Blank Box Mount	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	S422B ① — — — —	302/304 S/S — Brass Aluminum — —	S622B — S2822BB S2522B — —
 Three-Gang Blank Box Mount	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S623B — ① ① — —
 Four-Gang Blank Box Mount	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S624B — ① ① — —
DUPLEX RECEPTACLE AND SWITCH COMBINATION							
 One Duplex One Switch	Ivory White Gray Red Brown Black	N2132 N1332 N1432 N2232 N1232 N0132	N2132M N1332M — N2232M N1232M —	Chrome Brass — — — —	S432 S932 — — — —	302/304 S/S — Brass Aluminum Satin Brass —	S632 — S2832 ① S1832 —

①Available as a custom wall plate. Consult pages M-18 to M-22.

Consult custom wall plate pages for additional openings or combinations.
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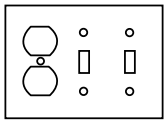
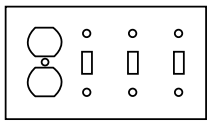
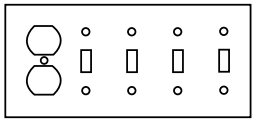
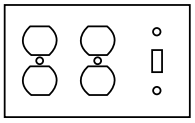
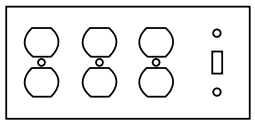
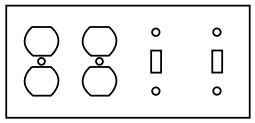
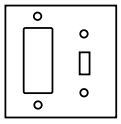
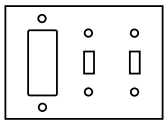
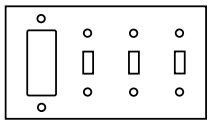
BRYANT Nylon and Metal Wall Plates

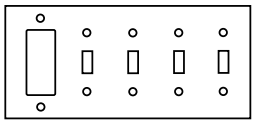
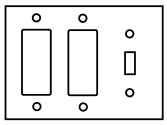
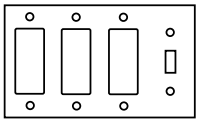
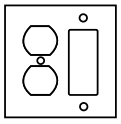
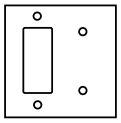
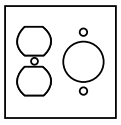
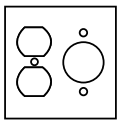
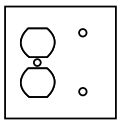
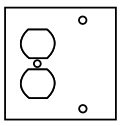
CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
 One Duplex Two Switches	Ivory White Gray — Brown —	N2133 N1333 N1433 — N1233 —	— — — — — —	Chrome Brass — — — —	① S933 — — — —	302/304 S/S — Brass Aluminum — —	S633 — ① ① — —
 One Duplex Three Switches	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S634 — ① ① — —
 One Duplex Four Switches	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	① — ① ① — —
 Two Duplex One Switch	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S633R — ① ① — —
 Three Duplex One Switch	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	① — ① ① — —
 Two Duplex Two Switches	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	① — ① ① — —
FASHION/GFCI AND SWITCH COMBINATIONS							
 One Fashion Receptacle One Switch	Ivory White — — Brown —	— — — — — —	N2132DM N1332DM — — N1232DM —	Chrome Brass — — — —	① S932D — — — —	302/304 S/S — Brass Aluminum — —	S632D — S2832D ① — —
 One Fashion Receptacle Two Switches	Ivory White — — Brown —	— — — — — —	N2133DM N1333DM — — N1233DM —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S633D — ① ① — —
 One Fashion Receptacle Three Switches	— — — — — —	— — — — — —	— — — — — —	Chrome Brass — — — —	① ① — — — —	302/304 S/S — Brass Aluminum — —	S634D — ① ① — —

①Available as a custom wall plate. Consult pages M-18 to M-22.

Consult custom wall plate pages for additional openings or combinations.

Specifications are subject to change without notice.

BRYANT Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
 One Fashion Receptacle Four Switches	—	—	—	Chrome	①	302/304 S/S	①
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Two Fashion Receptacles One Switch	—	—	—	Chrome	①	302/304 S/S	①
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Three Fashion Receptacles One Switch	—	—	—	Chrome	①	302/304 S/S	①
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
STANDARD COMBINATIONS							
 One Duplex One Fashion Receptacle	—	—	—	Chrome	①	302/304 S/S	**S601-01D**
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	**S2801-01D**
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 One Fashion/GFI, One Blank, Strap Mtd.	—	—	—	Chrome	①	302/304 S/S	**S601D-21**
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Duplex & Single Receptacle 1.40 (35.6) ID Hole	Ivory	**N2101-11**	—	Chrome	①	302/304 S/S	**S601-11**
	White	**N1301-11**	—	Brass	①	—	—
	Gray	**N1401-11**	—	—	—	Brass	①
	Red	**N2201-11**	—	—	—	Aluminum	①
	Brown	**N1201-11**	—	—	—	—	—
	—	—	—	—	—	—	—
 Duplex & Single Receptacle 1.62 (41.1) ID Hole	—	—	—	Chrome	①	302/304 S/S	**S601-11-1**
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Duplex and Blank With Strap	—	—	—	Chrome	①	302/304 S/S	**S601-21**
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Duplex and Box Mount Blank	Ivory	—	**N2101-21BM**	Chrome	①	302/304 S/S	**S601-21B**
	White	—	**N1301-21BM**	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	Brown	—	**N1201-21BM**	—	—	—	—
	—	—	—	—	—	—	—

①Available as a custom wall plate. Consult pages M-18 to L-22.

Consult custom wall plate pages for additional openings or combinations.

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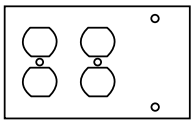
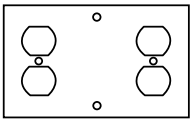
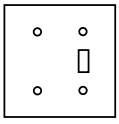
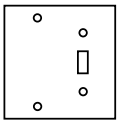
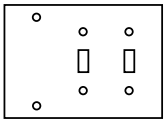
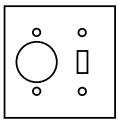
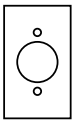
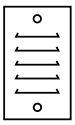
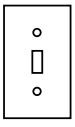
BRYANT Nylon and Metal Wall Plates

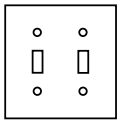
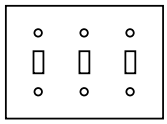
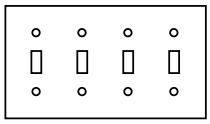
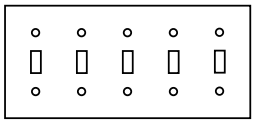
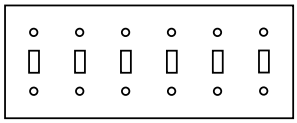
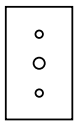
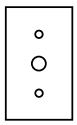
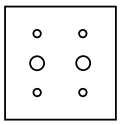
CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
 Two Duplex, One Blank, Box Mtg.	—	—	—	Chrome Brass	① ①	302/304 S/S — Brass Aluminum	S621B0101 — ① ①
 3-Gang, Duplex, Blank-Box Mtg., Duplex	—	—	—	Chrome Brass	① ①	302/304 S/S — Brass Aluminum	S601-21B-01 — ① ①
 Blank With Strap and Switch	—	—	—	Chrome Brass	① ①	302/304 S/S — Brass Aluminum	S621-71 — ① ①
 Box Mount Blank and Switch	Ivory White — — Brown —	— — — — — —	N2121B-71M N1321B-71M — — N1221B-71M —	Chrome Brass	① ①	302/304 S/S — Brass Aluminum	S621B-71 — ① ①
 Box Mount Blank and Two Switches	—	—	—	Chrome Brass	① ①	302/304 S/S — Brass Aluminum	S621B-71-71 — ① ①
 Single 1.40 (35.6) ID Hole and Switch	—	—	—	Chrome Brass	① ①	302/304 S/S — Brass Aluminum	S611-71 — ① ①
 Single Receptacle 1.75 (44.5) ID Hole	— — — — — Black	— — — — — N0111-2	— — — — — —	Chrome Brass	① ①	302/304 S/S — Brass Aluminum	S611-2 — ① ①
 Vertical Mounted Louver	—	—	—	Chrome Brass	① S919	302/304 S/S — Brass Aluminum	S619 — S2819 ①
347 VOLT SWITCH PLATES 2.25 (57.2) SPACING BETWEEN GANGS – STAMPED "347V"							
 One Switch	—	—	—	—	—	302/304 S/S	S671V

①Available as a custom wall plate. Consult pages M-18 to M-22.

Consult custom wall plate pages for additional openings or combinations.

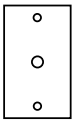
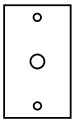
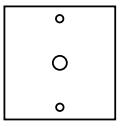
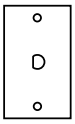
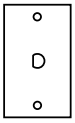
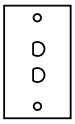
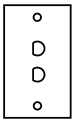
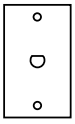
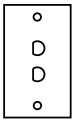
Specifications are subject to change without notice.

BRYANT Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
347 VOLT SWITCH PLATES 2.25 (57.2) SPACING BETWEEN GANGS – STAMPED "347V"							
 Two Switches, 2.25" (57.2) Spacing	—	—	—	—	—	302/304 S/S	S672V
 Three Switches, 2.25" (57.2) Spacing	—	—	—	—	—	302/304 S/S	S673V
 Four Switches, 2.25" (57.2) Spacing	—	—	—	—	—	302/304 S/S	S674V
 Five Switches, 2.25" (57.2) Spacing	—	—	—	—	—	302/304 S/S	S675V
 Six Switches, 2.25" (57.2) Spacing	—	—	—	—	—	302/304 S/S	S676V
TELEPHONE/CABLE OUTLET							
 One-Gang .375" (9.5) Hole Telephone Strap Mtd. Incl. Strap	—	—	—	Chrome Brass	① ①	302/304 S/S Brass Aluminum	R061BA1 R281BA1 ①
 One-Gang .635" (16.1) Hole Telephone Strap Mtd. Incl. Strap	Ivory White Gray Brown Black	N211GA1 N131GA1 N141GA1 N121GA1 N011GA1	—	Chrome Brass	R041GA1② R091GA1②	302/304 S/S Brass Aluminum	R061GA1② R281GA1② R251GA1②
 Two-Gang, Two .635" (16.1) Holes, Incl. Straps	—	—	—	Chrome Brass	① ①	302/304 S/S Brass Aluminum	R062GA2② ① ①

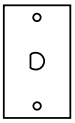
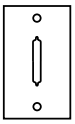
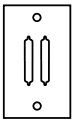
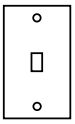
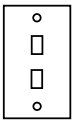
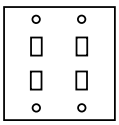
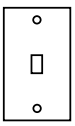
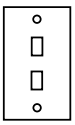
①Available as a custom wall plate. Consult pages M-18 to M-22.
②.500 (12.7) ID nylon bushing provided.
Consult custom wall plate pages for additional openings or combinations.
Specifications are subject to change without notice.

Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
 One-Gang .375" (9.5) Hole-Telephone-Box Mtd.	—	—	—	Chrome	①	302/304 S/S	R061BB1
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 One-Gang .635" (16.1) Hole-Telephone-Box Mtd.	Ivory	—	N211GB1M	Chrome	①	302/304 S/S	R061GB1②
	White	—	N131GB1M	Brass	R091GB1②	—	—
	—	—	—	—	—	Brass	—
	—	—	—	—	—	Aluminum	—
	Brown	—	N121GB1M	—	—	—	—
	—	—	—	—	—	—	—
 Two-Gang .635" (16.1) Hole-Centered-Box Mtd.	—	—	—	Chrome	①	302/304 S/S	R062GB1②
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
COAXIAL AND TWINAXIAL "D" OUTLET, BOX MOUNTING							
 One "D" Hole, .505" (12.8) Dia., .436" (11.1) Flat	—	—	—	Chrome	①	302/304 S/S	R061ED1
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 One "D" Hole, .505" (12.8) Dia., .473" (12.0) Flat	—	—	—	Chrome	①	302/304 S/S	R061EE1
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Two "D" Holes, .505" (12.8) Dia., .436" (11.1) Flat	—	—	—	Chrome	①	302/304 S/S	R061ED2
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Two "D" Holes, .505" (12.8) Dia., .473" (12.0) Flat	—	—	—	Chrome	①	302/304 S/S	R061EE2
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 "D" Hole, .580" (14.7) Dia., .550" (14.0) Flat	—	—	—	Chrome	①	302/304 S/S	R061FD1
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
 Two "D" Holes, .580" (14.7) Dia., .550" (14.0) Flat	—	—	—	Chrome	①	302/304 S/S	R061FD2
	—	—	—	Brass	①	—	—
	—	—	—	—	—	Brass	①
	—	—	—	—	—	Aluminum	①
	—	—	—	—	—	—	—
	—	—	—	—	—	—	—

①Available as a custom wall plate. Consult pages M-18 to M-22.
②.500 (12.7) ID nylon bushing provided.
Consult custom wall plate pages for additional openings or combinations.
Specifications are subject to change without notice.

BRYANT Nylon and Metal Wall Plates

CONFIGURATION	HIGH-IMPACT NYLON			PLATED STEEL		STAINLESS STEEL, .040 (1.0) BRUSHED BRASS, ALUMINUM	
	COLOR	STANDARD	MID-SIZE				
 One “D” Hole, .755" (19.2) Dia., .731" (18.6) Flat	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R061KE1 — ① ①
TYPE RS232 25 PIN OUTLET							
 One 25 Pin Opening	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R061CE1 — ① ①
 Two 25 Pin Openings	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R061CE2 — ① ①
DATA AND VOICE MODULAR JACK OUTLET (RJ11 AND RJ45 TYPE), BOX MOUNTING							
 One .586" (14.9) x .762" (19.4)	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R061TN1 — ① ①
 Two .586" (14.9) x .762" (19.4)	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R061TN2 — ① ①
 Four .586" (14.9) x .762" (19.4)	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R062TN4 — ① ①
 One .586" (14.9) x .815" (20.7)	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R061TY1 — ① ①
 Two .586" (14.9) x .815" (20.7)	—	—	—	Chrome Brass	① ①	302/304 SS — Brass Aluminum	R061TY2 — ① ①

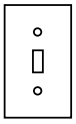
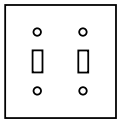
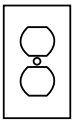
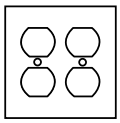
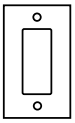
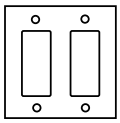
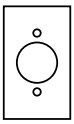
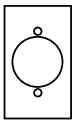
①Available as a custom wall plate. Consult pages M-18 to M-22.

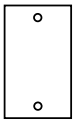
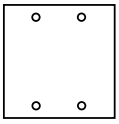
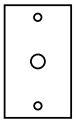
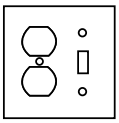
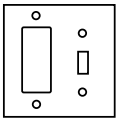
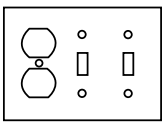
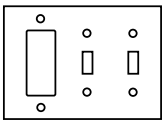
Consult custom wall plate pages for additional openings or combinations.

Specifications are subject to change without notice.

BRYANT

Oversize Metal Wall Plates

CONFIGURATION	STAINLESS STEEL 302/304
 One Switch	S671J
 Two Switches	S672J
 Duplex Receptacle	S601J
 Two Duplex Receptacles	S602J
 Fashion/or Ground Fault Receptacle	S601DJ
 Two Fashion Receptacles	S602DJ
 Single Receptacle 1.40 (35.6) ID Hole	S611J
 Power Outlet 2.15 (54.6) ID Hole	S616J

CONFIGURATION	STAINLESS STEEL 302/304
 Blank Box Mount	S621BJ
 Two Blank Box Mount	S622BJ
 Telephone Box Mount .635" (16.1) Opening	R061GBIJ①
 One Duplex One Switch	S632J
 One Fashion Receptacle One Switch	S632DJ
 One Duplex Two Switches	S633J
 One Fashion Receptacle Two Switches	S633DJ

OVERSIZE DIMENSIONS

1 Gang 5.25 (133.4) x 3.50 (88.9)
2 Gang 5.25 (133.4) x 5.31 (134.9)
3 Gang 5.25 (133.4) x 7.12 (180.8)

For additional information see page M15

① .500 (12.7) I.D. nylon bushing provided.

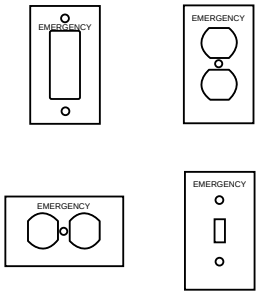
Specifications are subject to change without notice.

BRYANT

Premarked Nylon and Stainless Steel Wall Plates

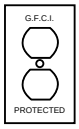
RECESSED LETTERING: Assures maximum legibility and permanence. The markings are beneath the surface and cannot be rubbed off.

"EMERGENCY" WALL PLATES



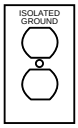
CATALOG NUMBER	DESCRIPTION
	302/304 STAINLESS STEEL, STANDARD SIZE RED FILLED LETTERING
S601EMG	Duplex opening, one gang
S601EMGH	Duplex opening, one gang, horizontal
S602EMG	Two duplex openings, two gang, centered lettering
S671EMG	Switch opening, one gang
S672EMG	Two switch openings, two gang, centered lettering
S601DEMG	Fashion opening, one gang
	RED NYLON, MID-SIZE HOT STAMPED WHITE LETTERING
N2201MEM	Duplex opening, one gang
N2202MEM	Two duplex openings, two gang, centered lettering
N2201DMEM	Fashion opening, one gang
N2271MEM	Switch opening, one gang
N2272MEM	Two switch openings, two gang, centered lettering

"G.F.C.I. PROTECTED" WALL PLATES



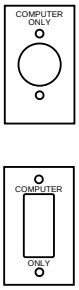
	BLACK FILLED LETTERING
S601GFP	Duplex opening, one gang, 302/304 stainless steel, standard size
N2101MGFP	Duplex opening, one gang, ivory nylon, mid-size
N1301MGFP	Duplex opening, one gang, white nylon, mid-size
N2201MGFP	Duplex opening, one gang, red nylon, mid-size

"ISOLATED GROUND" WALL PLATES



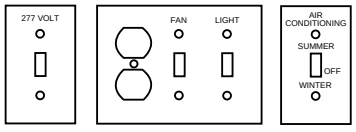
	ORANGE NYLON, STANDARD SIZE HOT STAMPED BLACK LETTERING
N3901IG	Duplex opening, one gang
N3911IG	Single receptacle opening, one gang
N3911-1IG	Locking opening, 1.62 (41.1) ID, one gang
N3901D	Fashion opening, one gang, unmarked

"COMPUTER ONLY" WALL PLATES



	ORANGE NYLON, MID-SIZE HOT STAMPED BLACK LETTERING
N3901MC	Duplex opening, one gang
N3911MC	Single receptacle opening, one gang
	IVORY NYLON, MID-SIZE HOT STAMPED BLACK LETTERING
N2101MC	Duplex opening, one gang
N2101DMC	Fashion opening, one gang
	BLUE NYLON, MID-SIZE HOT STAMPED BLACK LETTERING
N4901DMC	Fashion opening, one gang
N4901DM	Fashion opening, one gang, unmarked
N4911MC	Single opening, one gang
N4911M	Single receptacle, one gang, unmarked

"SPECIAL PURPOSE" WALL PLATES



	IVORY NYLON, MID-SIZE HOT STAMPED BLACK LETTERING
N2171M277	Switch opening, one gang, marked "277 Volt"
N2172MFL	Two switch openings, two gang, marked "Fan" & "Light"
N2133DMFL	One fashion/GFI opening, two switch openings, three gang, marked "Fan" & "Light"
N2133FL①	One duplex opening, two switch openings, three gang, marked "Fan" & "Light"
N2171MAC	Switch opening, one gang, marked "Air Conditioning", "Summer" & "Winter", "Off"

① Standard size.
NOTE: All lettering is 1/4" (6.4) high.
Specifications are subject to change without notice.

BRYANT Nylon and Metal Wall Plate Dimensions and Material Specifications

MATERIAL SPECIFICATIONS – Nylon, Stainless Steel, Steel, Brass and Aluminum

NYLON WALL PLATES

Smooth finish, molded of high-impact material for maximum strength. Nylon is self-extinguishing and provides maximum resistance to oil, grease, cleaners and solvents. Available in a variety of colors, these wall plates fit snug to the wall and have a captive screw feature to ease installment. Recommended for hospitals, schools, industrial or other applications where good looks, strength and durability are required.

- Conforms to applicable NEMA and ANSI Standards
- Meets UL Standard 514C and CSA C22.2 #42
- UL Listed File #E33208 – Guide #QCMZ
- CSA Certified File #LR18416M47

TYPE 302/304 STAINLESS STEEL

Satin finish, excellent resistance to corrosion. 18% chromium, 8% nickel, nonmagnetic, .035" (.9) nominal thickness. Recommended for use in hospital, industrial, food processing, chemical, and other environments where corrosive conditions exist.

- Conforms to applicable NEMA and ANSI Standards
- Meets UL Standard 514A and CSA C22.2 #42
- UL Listed File #E53420 – Guide #QCIT
- CSA Certified File #LR18416M47-59

SOLID BRASS

Brushed finish①, .040" (1.0) thick. Rich appearance for contemporary applications. Copper/zinc alloy has deep lustrous finish that endures. 70% copper, 30% zinc. Coated to inhibit oxidation.

- Conforms to applicable NEMA and ANSI Standards
- Meets UL Standard 514A and CSA C22.2 #42
- UL Listed File #E53420 – Guide #QCIT
- CSA Certified File #LR18416M47-59

ALUMINUM

Smooth satin finish, clear anodized, .050" (1.27) thick. Lightweight and nonmagnetic, appropriate for many commercial and industrial applications.

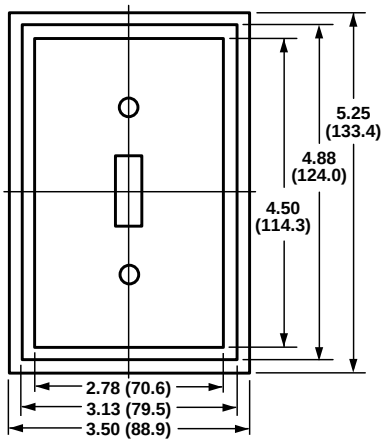
- Conforms to applicable NEMA and ANSI Standards
- Meets UL Standard 514A and CSA C22.2 #42
- UL Listed File #E53420 – Guide #QCIT
- CSA Certified File #LR18416M47-59

METALLIC PLATED STEEL

Chrome and brass finishes, .032" (.8) nominal thickness. These metallic finishes provide a combination of a classic look in an economical way. These wall plates can add a distinctive dimension to any project or retrofit design.

- Conforms to applicable NEMA and ANSI Standards
- Meets UL Standard 514A and CSA C22.2 #42
- UL Listed File #E53420 – Guide #QCIT
- CSA Certified File #LR18416M47-59

PRODUCT DIMENSIONS



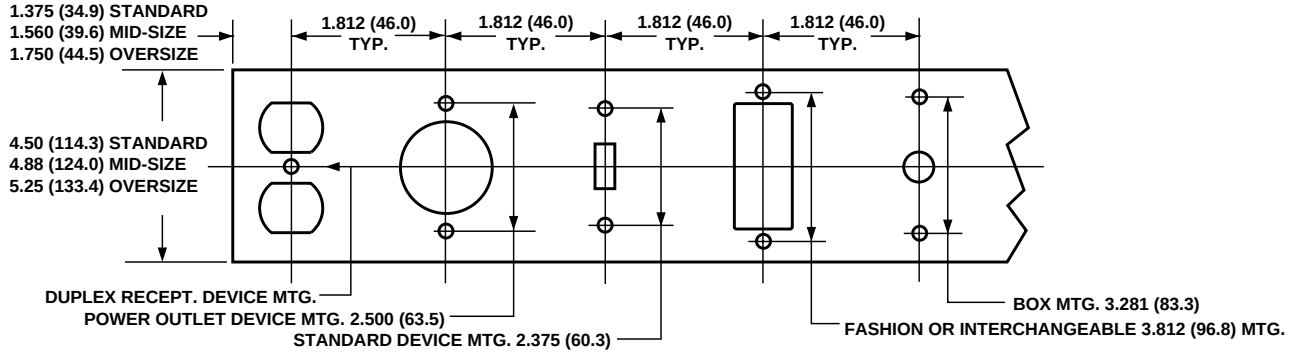
STANDARD SIZE
1 Gang 4.5 (114.3) x 2.78 (70.6)
2 Gang 4.5 (114.3) x 4.60 (116.8)
3 Gang 4.5 (114.3) x 6.41 (162.8)
4 Gang 4.5 (114.3) x 8.22 (208.8)
5 Gang 4.5 (114.3) x 10.03 (254.8)
6 Gang 4.5 (114.3) x 11.81 (300.0)
7 Gang 4.5 (114.3) x 13.63 (346.2)
8 Gang 4.5 (114.3) x 15.44 (392.2)

OVERSIZE
1 Gang 5.25 (133.4) x 3.50 (88.9)
2 Gang 5.25 (133.4) x 5.31 (134.9)
3 Gang 5.25 (133.4) x 7.12 (180.8)

MID-SIZE
1 Gang 4.88 (124.0) x 3.13 (79.5)
2 Gang 4.88 (124.0) x 4.94 (125.5)
3 Gang 4.88 (124.0) x 6.75 (171.5)

WALL PLATE OPENINGS AND MOUNTING DIMENSIONS

#6-32 OVAL HEAD SCREWS TYPICAL



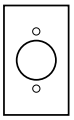
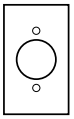
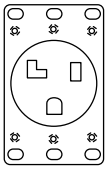
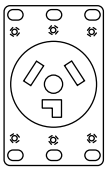
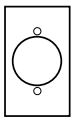
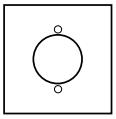
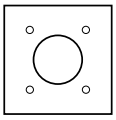
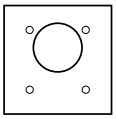
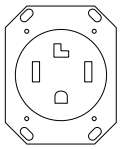
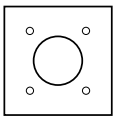
①Satin finish (Example: S1801) meets equivalent specifications.

Specifications are subject to change without notice.

BRYANT

Wall Plate Selection Chart

WALL PLATE SELECTION CHART FOR SINGLE RECEPTACLES

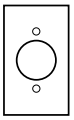
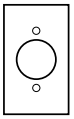
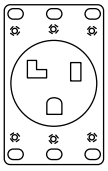
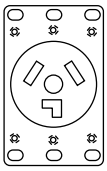
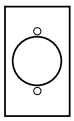
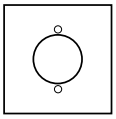
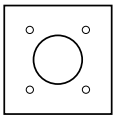
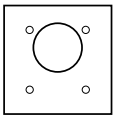
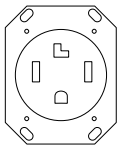
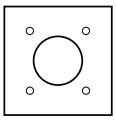
TYPICAL RECEPTACLE	MATCHING WALL PLATE	STAINLESS STEEL 302/304	SOLID BRASS	HIGH-IMPACT NYLON	
				IVORY	BLACK
15 Amp or 20 Amp Straight Blade Devices 15 Amp Locking Devices	 Single receptacle 1.40 (35.6) ID hole	S611	S2811	N2111	N0111
20 Amp or 30 Amp Locking Devices. 3 wire, 4 wire, or 5 wire	 Single receptacle 1.60 (40.6) ID hole	S611-1	S2811-1	N2111-1	N0111-1
  30 Amp or 50 Amp 3 wire power outlets	 Power outlet 2.15 (54.6) ID hole	S616	—	N2116	N0116
	 Two gang - power outlet 2.15 (54.6) ID hole	S654	—	—	—
	 Two gang 2.15 (54.6) ID hole 1.812 W. (46.0) x 2.375 H. (60.3) mounting	S654E	—	N2154E	N0154E
30 Amp or 50 Amp 3 wire power outlets	 Two gang 2.18 (55.4) ID hole 2.375 W. (60.3) x 2.375 H. (60.3) mounting	S654F	—	—	—
 30 Amp, 50 Amp or 60 Amp 3 wire power outlets	 Two gang 2.48 (63.0) ID hole 1.812 W. (46.0) x 2.375 H. (60.3) mounting	S654K	S2854K	—	—

Specifications are subject to change without notice.

BRYANT

Wall Plate Selection Chart

WALL PLATE SELECTION CHART FOR SINGLE RECEPTACLES

TYPICAL RECEPTACLE	MATCHING WALL PLATE	STAINLESS STEEL 302/304	SOLID BRASS	HIGH-IMPACT NYLON	
				IVORY	BLACK
15 Amp or 20 Amp Straight Blade Devices 15 Amp Locking Devices	 Single receptacle 1.40 (35.6) ID hole	S611	S2811	N2111	N0111
20 Amp or 30 Amp Locking Devices. 3 wire, 4 wire, or 5 wire	 Single receptacle 1.60 (40.6) ID hole	S611-1	S2811-1	N2111-1	N0111-1
  30 Amp or 50 Amp 3 wire power outlets	 Power outlet 2.15 (54.6) ID hole	S616	—	N2116	N0116
	 Two gang - power outlet 2.15 (54.6) ID hole	S654	—	—	—
	 Two gang 2.15 (54.6) ID hole 1.812 W. (46.0) x 2.375 H. (60.3) mounting	S654E	—	N2154E	N0154E
30 Amp or 50 Amp 3 wire power outlets	 Two gang 2.18 (55.4) ID hole 2.375 W. (60.3) x 2.375 H. (60.3) mounting	S654F	—	—	—
 30 Amp, 50 Amp or 60 Amp 3 wire power outlets	 Two gang 2.48 (63.0) ID hole 1.812 W. (46.0) x 2.375 H. (60.3) mounting	S654K	S2854K	—	—

Specifications are subject to change without notice.

BRYANT

Custom Metal Wall Plates
Standard Openings, From 1 to 8 Gangs

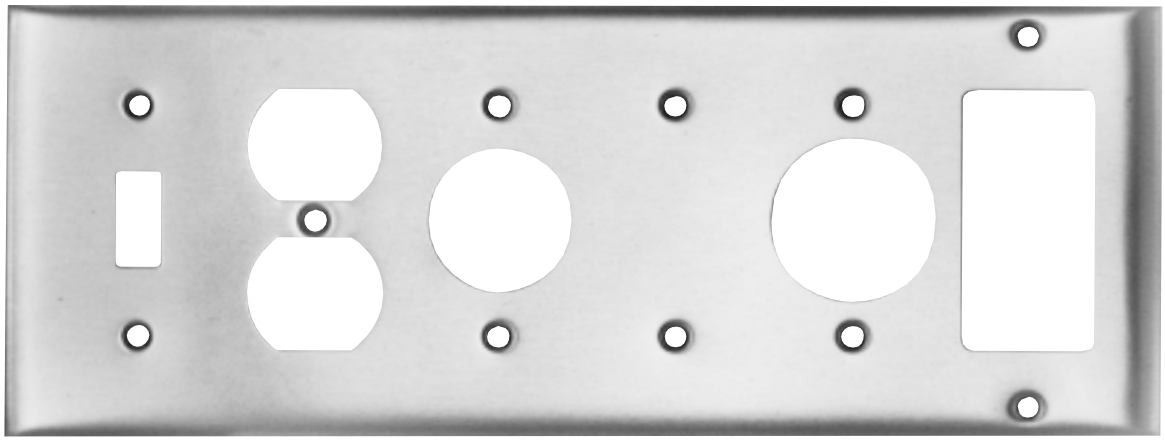
How To Order Custom Wall Plates

STEP ① Indicate finish, see finish code below. Sample: WCSS=S600 Series Stainless Steel Type 302/304.

STEP ② Indicate number of gangs, maximum 8 gangs. Sample: 6=six gangs.

STEP ③ Indicate openings, consult selection guide (pages M-19 to M-22). Sample: 001=one switch; 008=duplex receptacle; 007=single receptacle; 014=blank with strap; 091=locking receptacle; 026=fashion or ground fault receptacle.

SAMPLE CUSTOM METAL WALL PLATE



001 008 007 014 091 026

SAMPLE ORDER

QUANTITY	DESCRIPTION
1	CUSTOM PLATE CATALOG NUMBER ① ② **WCSS 6** OPENING CONFIGURATIONS ③ **001 / 008 / 007 / 014 / 091 / 026**

① FINISH

MATERIAL	CODE
Stainless Steel Type 302/304	WCSS
Aluminum	WCAL
Solid Brushed Brass	WCBR
Brass Finished Steel	WCBP
Chrome Finished Steel	WCCH

② NUMBER OF GANGS

	CODE
One Gang	1
Two Gang	2
Three Gang	3
Four Gang	4
Five Gang	5
Six Gang	6
Seven Gang	7
Eight Gang	8

③ OPENING CONFIGURATION

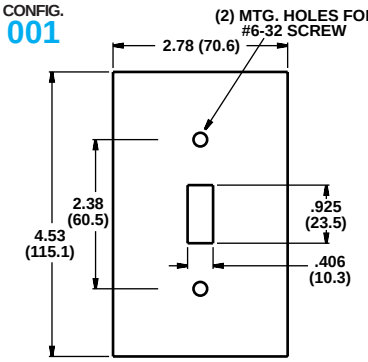
Selection guide is found on pages M-19 to M-22. Use three digit code to indicate openings and position of each opening.

Please order with care as custom plates cannot be returned.
Specifications are subject to change without notice.

BRYANT

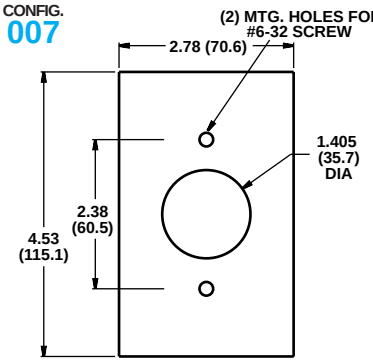
Configuration Selector Guide
Custom Metal Wall Plates

CONFIG. 001



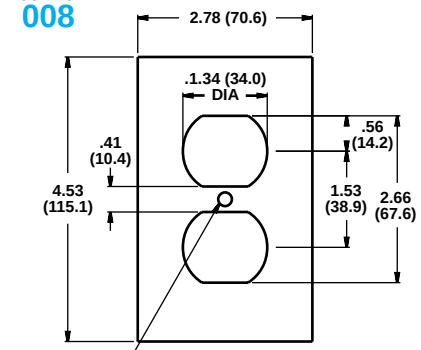
TOGGLE SWITCH PLATE

CONFIG. 007



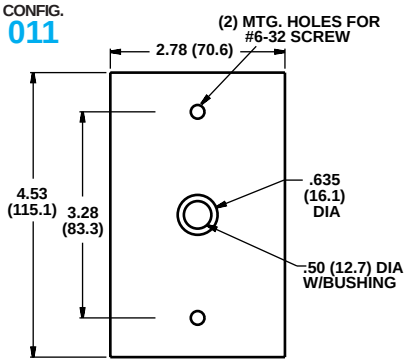
SINGLE RECEPTACLE
15 OR 20 AMP STRAIGHT BLADE, 15 AMP LOCKING

CONFIG. 008



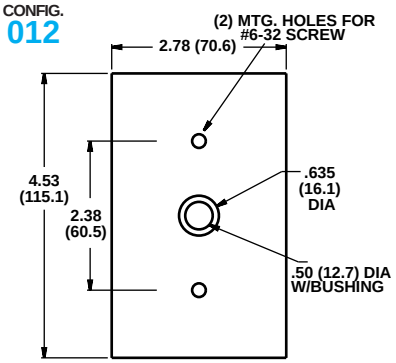
DUPLEX RECEPTACLE

CONFIG. 011



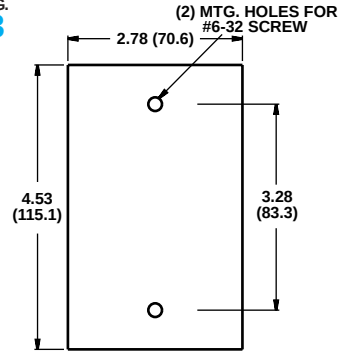
SINGLE .635 (16.1) TELEPHONE
(BOX MOUNT)

CONFIG. 012



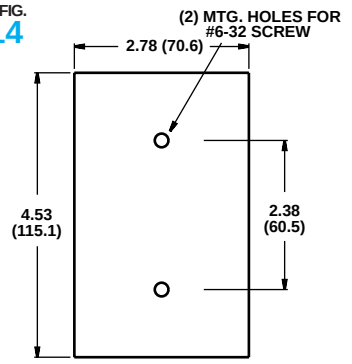
SINGLE .635 (16.1) TELEPHONE
(STRAP MOUNT)

CONFIG. 013



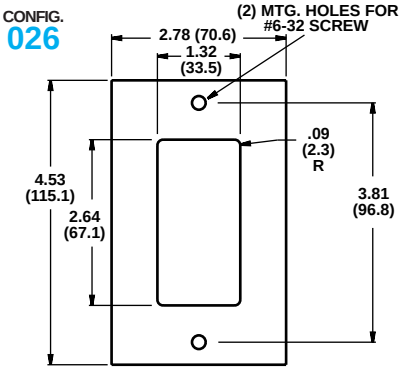
BLANK PLATE
(BOX MOUNT)

CONFIG. 014



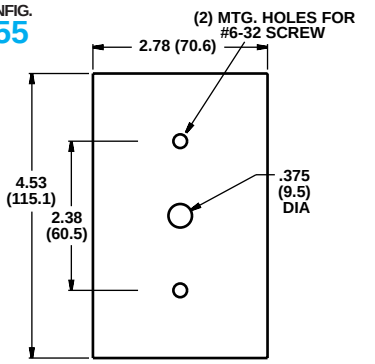
BLANK PLATE
(STRAP MOUNT)

CONFIG. 026



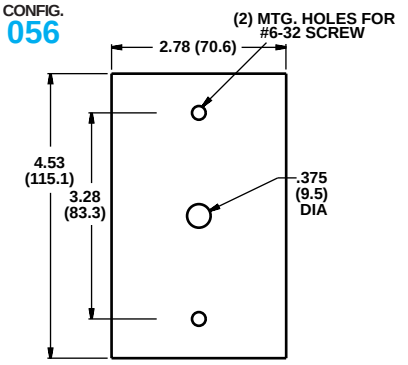
GFI/FASHION SERIES

CONFIG. 055



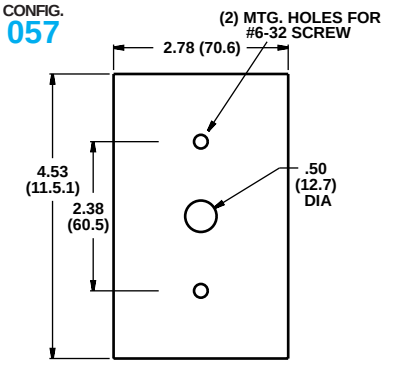
SINGLE .375 (9.5) TELEPHONE
(STRAP MOUNT)

CONFIG. 056



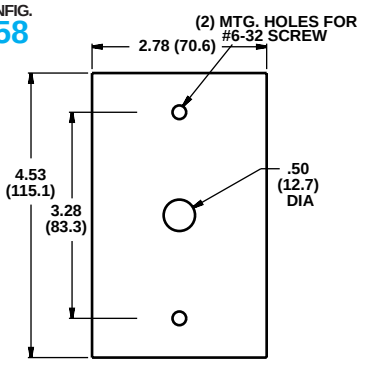
SINGLE .375 (9.5) TELEPHONE
(BOX MOUNT)

CONFIG. 057



SINGLE .50 (12.7) TELEPHONE
(STRAP MOUNT)

CONFIG. 058



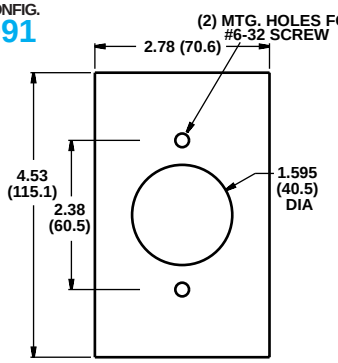
SINGLE .50 (12.7) TELEPHONE
(BOX MOUNT)

Specifications are subject to change without notice.

BRYANT

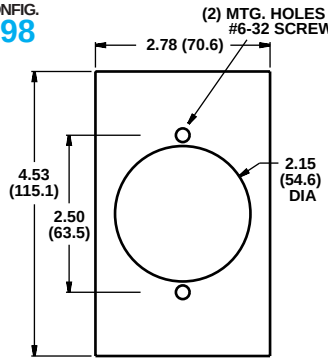
Configuration Selector Guide
Custom Metal Wall Plates

CONFIG. 091



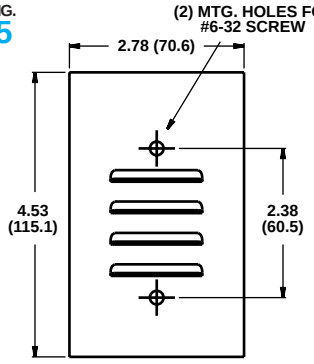
SINGLE RECEPTACLE
20 OR 30 AMP, LOCKING OUTLET

CONFIG. 098



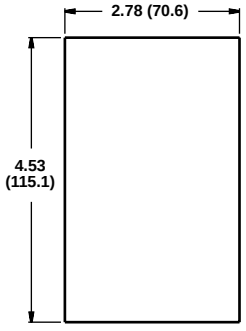
SINGLE RECEPTACLE, 30 OR 50 AMP STRAIGHT BLADE,
3 WIRE POWER OUTLET

CONFIG. 135



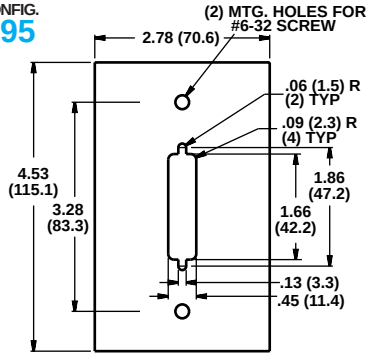
LOUVERED PLATE
STRAP MOUNT

CONFIG. 149



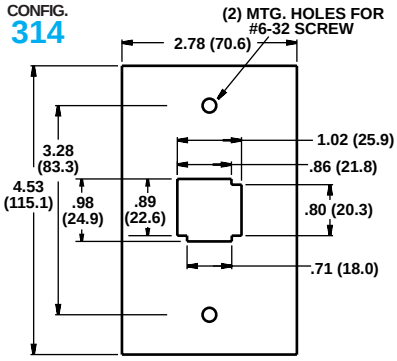
BLANK PLATE

CONFIG. 295



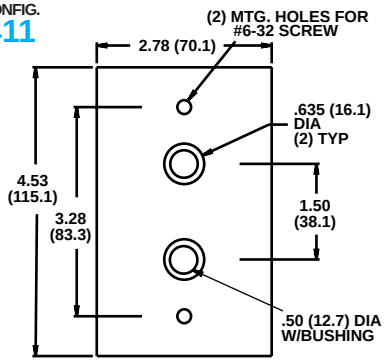
RS232 PORT
SINGLE 25-PIN (BOX MOUNT)

CONFIG. 314



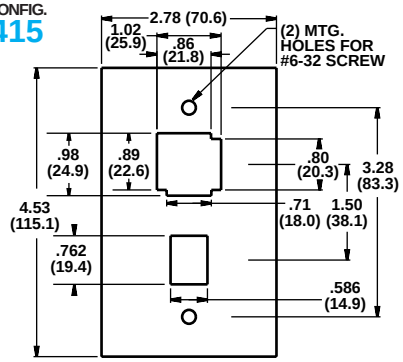
IBM TYPE
(BOX MOUNT)

CONFIG. 411



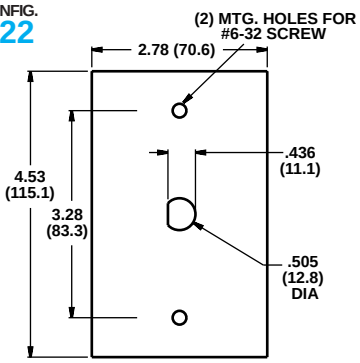
DUAL .635 (16.1) HOLES
(BOX MOUNT)

CONFIG. 415



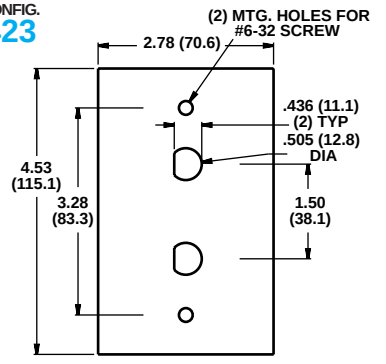
IBM TYPE AND MODULAR JACK
(BOX MOUNT)

CONFIG. 422



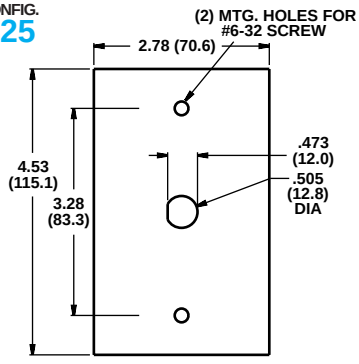
SINGLE .505 (12.8) D-HOLE
(BOX MOUNT)

CONFIG. 423



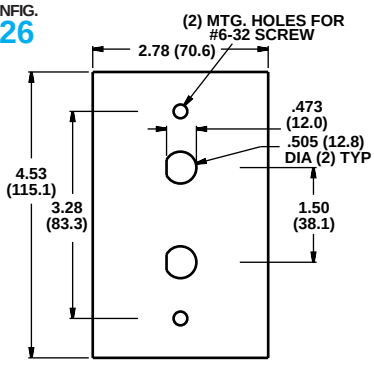
DUAL .505 (12.8) D-HOLES
(BOX MOUNT)

CONFIG. 425



SINGLE .505 (12.8) D-HOLE
(BOX MOUNT)

CONFIG. 426



DUAL .505 (12.8) D-HOLES
(BOX MOUNT)

Specifications are subject to change without notice.

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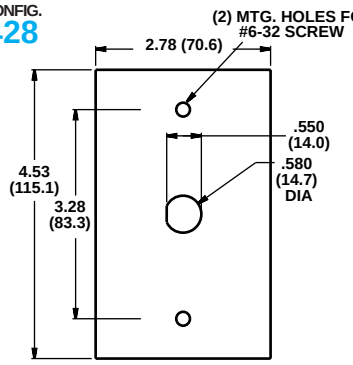
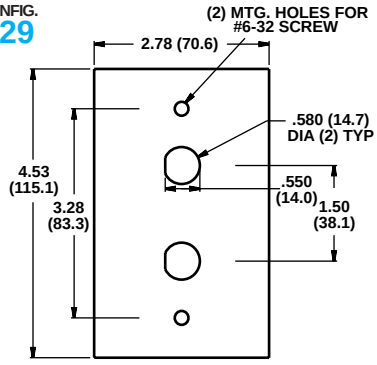
Configuration Selector Guide
Custom Metal Wall Plates

CONFIG. 428



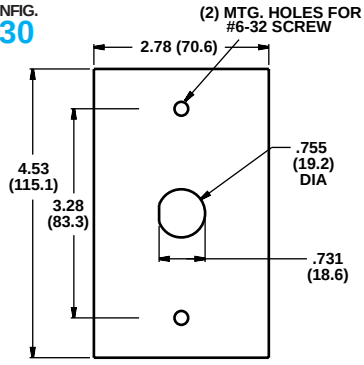
SINGLE .580 (14.7) D-HOLE (BOX MOUNT)

CONFIG. 429



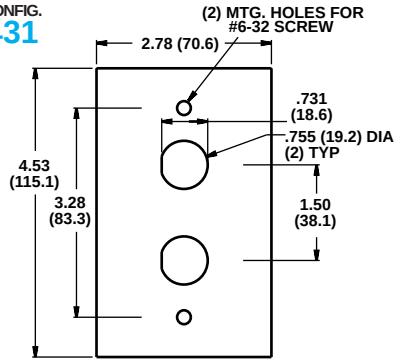
DUAL .580 (14.7) D-HOLES (BOX MOUNT)

CONFIG. 430



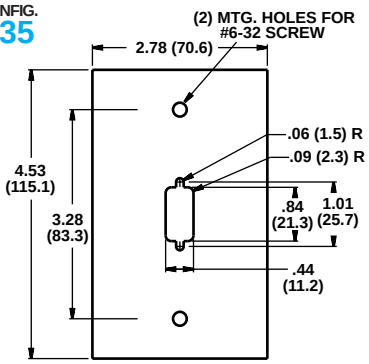
SINGLE .755 (19.2) D-HOLE (BOX MOUNT)

CONFIG. 431



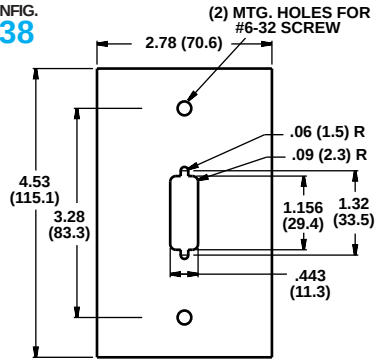
DUAL .755 (19.2) D-HOLES (BOX MOUNT)

CONFIG. 435



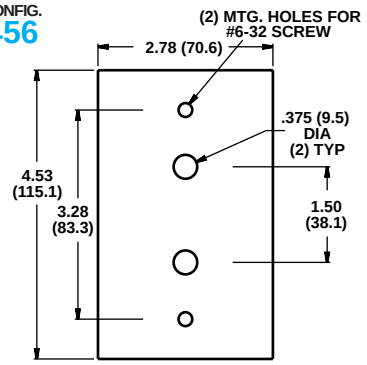
SINGLE 9-PIN RS232 (BOX MOUNT)

CONFIG. 438



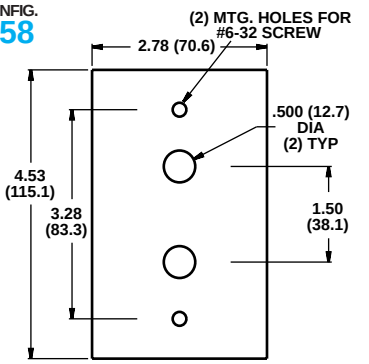
SINGLE 15-PIN RS232 (BOX MOUNT)

CONFIG. 456



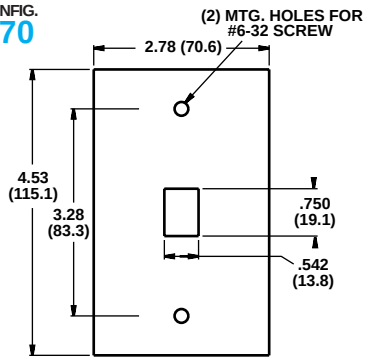
DUAL .375 (9.5) RD. (BOX MOUNT)

CONFIG. 458



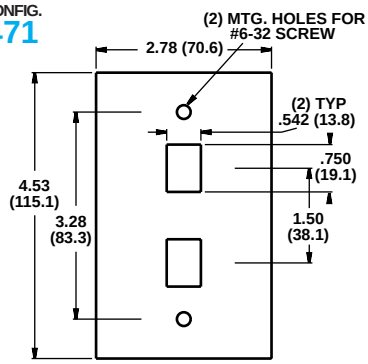
DUAL .500 (12.7) RD. (BOX MOUNT)

CONFIG. 470



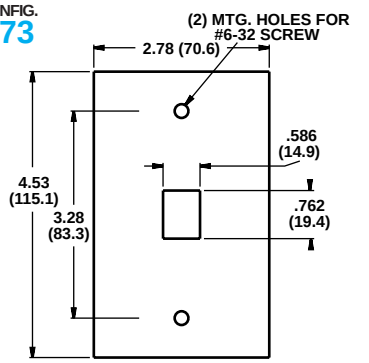
SINGLE MODULAR JACK (BOX MOUNT)

CONFIG. 471



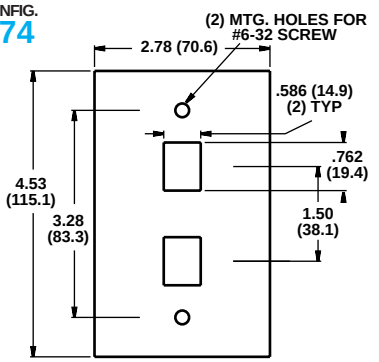
DUAL MODULAR JACK (BOX MOUNT)

CONFIG. 473



SINGLE MODULAR JACK (BOX MOUNT)

CONFIG. 474



DUAL MODULAR JACK (BOX MOUNT)

Specifications are subject to change without notice.

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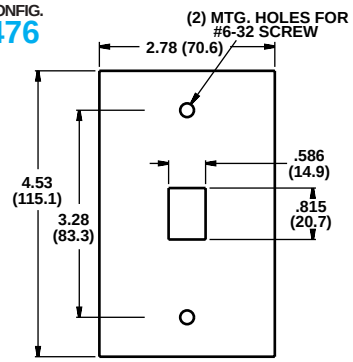
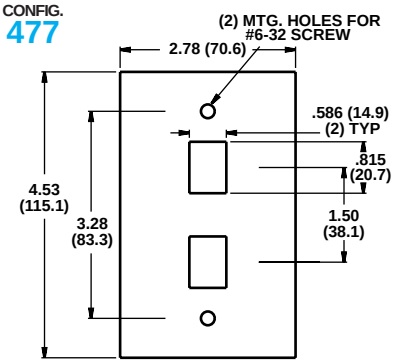
Configuration Selector Guide
Custom Metal Wall Plates

CONFIG. 476



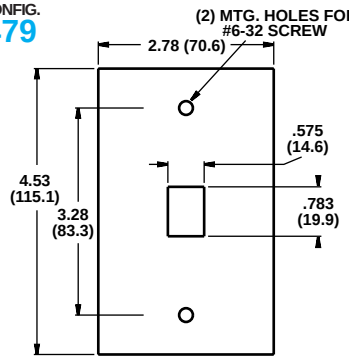
DUAL MODULAR JACK (BOX MOUNT)

CONFIG. 477



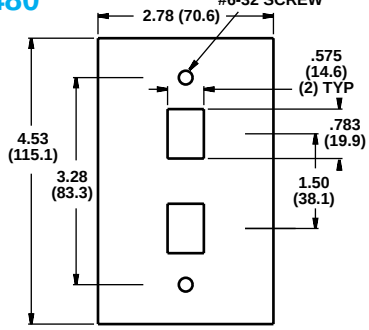
DUAL MODULAR JACK (BOX MOUNT)

CONFIG. 479



SINGLE MODULAR JACK (BOX MOUNT)

CONFIG. 480



DUAL MODULAR JACK (BOX MOUNT)

Section N

WIRE MESH CABLE GRIPS

Section N Index

WIRE MESH CABLE GRIPS

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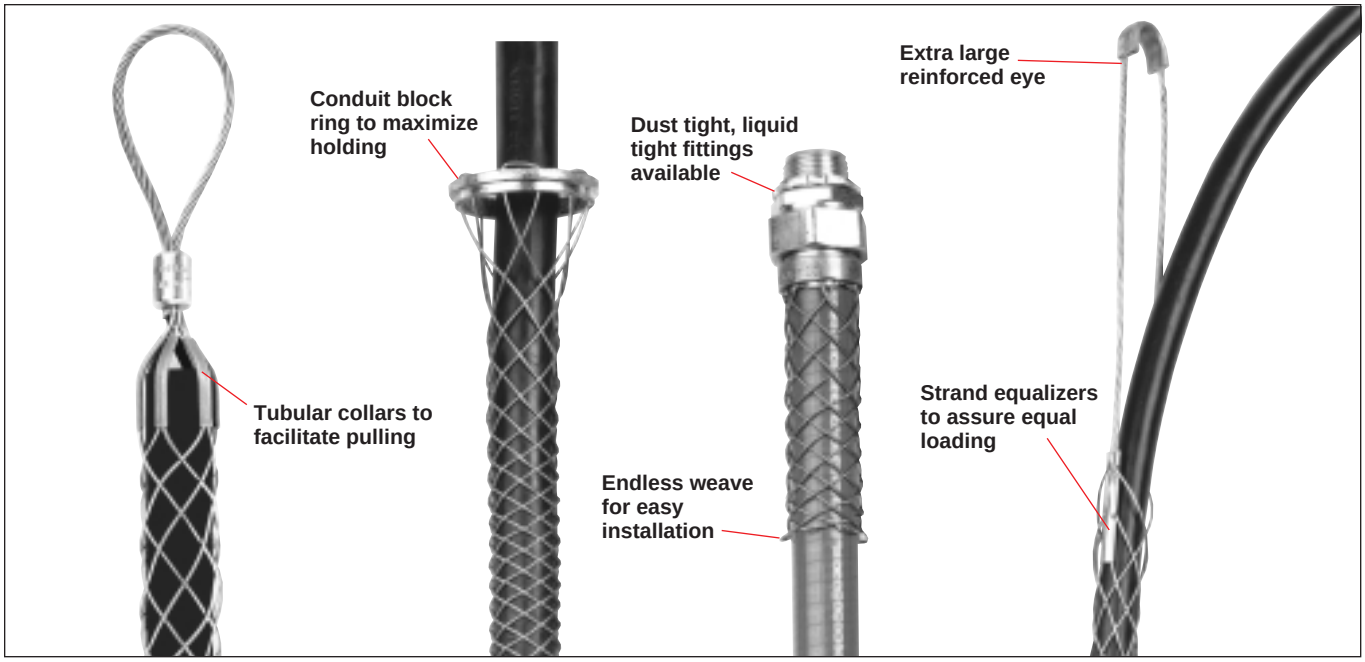
Product Features
ECONOMY CABLE GRIPS



A SYSTEM FOR WIRE MANAGEMENT

One Source. Many Solutions. Bryant Economy Cable Grips give you the advantage of selecting all your wire management strain relief, support, and pulling products from a respected, single source supplier. Whether you need to securely hold or pull cable, wire rope, or tubing during and after the installation process, you'll find support in Economy grips from Bryant.

Quality Bryant Economy Cable Grips are application-specific by design to enable the user to select the most appropriate product for the project at hand. As a part of the renowned Bryant family of products, *Economy Cable Grips are built for safety and designed to last.*

Each grip is engineered and manufactured to meet highly specific performance levels within a variety of demanding applications. These include use in industrial strain relief, support, and cable pulling. To facilitate easy selection, grips have been categorized into three general groupings: Strain Relief Grips, Support Grips, and Pulling Grips. Within these categories grips are further distinguished based upon style, weave, attachment and wire which are presented as "Features - Specifications" at the top of each page. Common applications are also offered to help you select the grip best suited to your needs.

TYPES OF CABLE GRIPS

Strain Relief Grips are used to control arc of bend and prevent cable pullout by securing cable and flexible conduit with electrical assemblies in industrial environments.

Used in conjunction with bus drop support grips and safety springs, they are an integral part of an overall support and strain relief system designed to reduce the potential of cable disconnects and machine downtime.

Support Grips are applied to the vertical or horizontal runs of cable or service lines to support dead weight and reduce the potential of damage due to breakage or stress. These are available in styles to accommodate attachment to cable ends or any point in between. Split grips are used when the cable ends are not available and closed grips are used when they are. Conduit support grips feature a ring attachment for holding cable in rigid schedule 40 conduit.

Pulling Grips are designed to pull cable, rope, and service lines in utility work and new construction. Manufactured in a variety of light-duty, medium, and heavy-duty styles, they can be used in aerial and underground work. They also serve as a temporary splice, when replacing old cable with new, and to pull slack in new construction or maintenance operations.

RELIABLE SUPPORT IN DEMANDING APPLICATIONS

Quality grip construction is the result of quality Bryant manufacturing. That is why every cable grip we produce is carefully manufactured to provide reliable service in the demanding environments in which they are used. Only the finest quality stranded wire is approved for the manufacture of Bryant Economy Cable Grips.

The power, gripping force, and strength of the grip you select is determined by the wire material used in each type of weave. Single weave is used for light-duty applications. Double weave is specified for grips requiring an intermediate degree of strength and pulling action. And triple weave wire is used for grips demanding maximum pulling power, strength, and safety.

Three types of wire are specified to meet the standards we demand for strength, flexibility, durability, and longevity. **Galvanized Plow Steel** has specific metallurgical attributes to withstand strain, abrasion, and abuse. **Tin-Coated Bronze** offers a combination of non-magnetic and corrosion-resistant properties to withstand environmental exposure and tensile strength for permanent stationary support both in and out of doors. **Stainless Steel** has exceptional immunity to rust and corrosion with superior strength and flexibility for heavy-duty mechanical applications required in harsh environments.

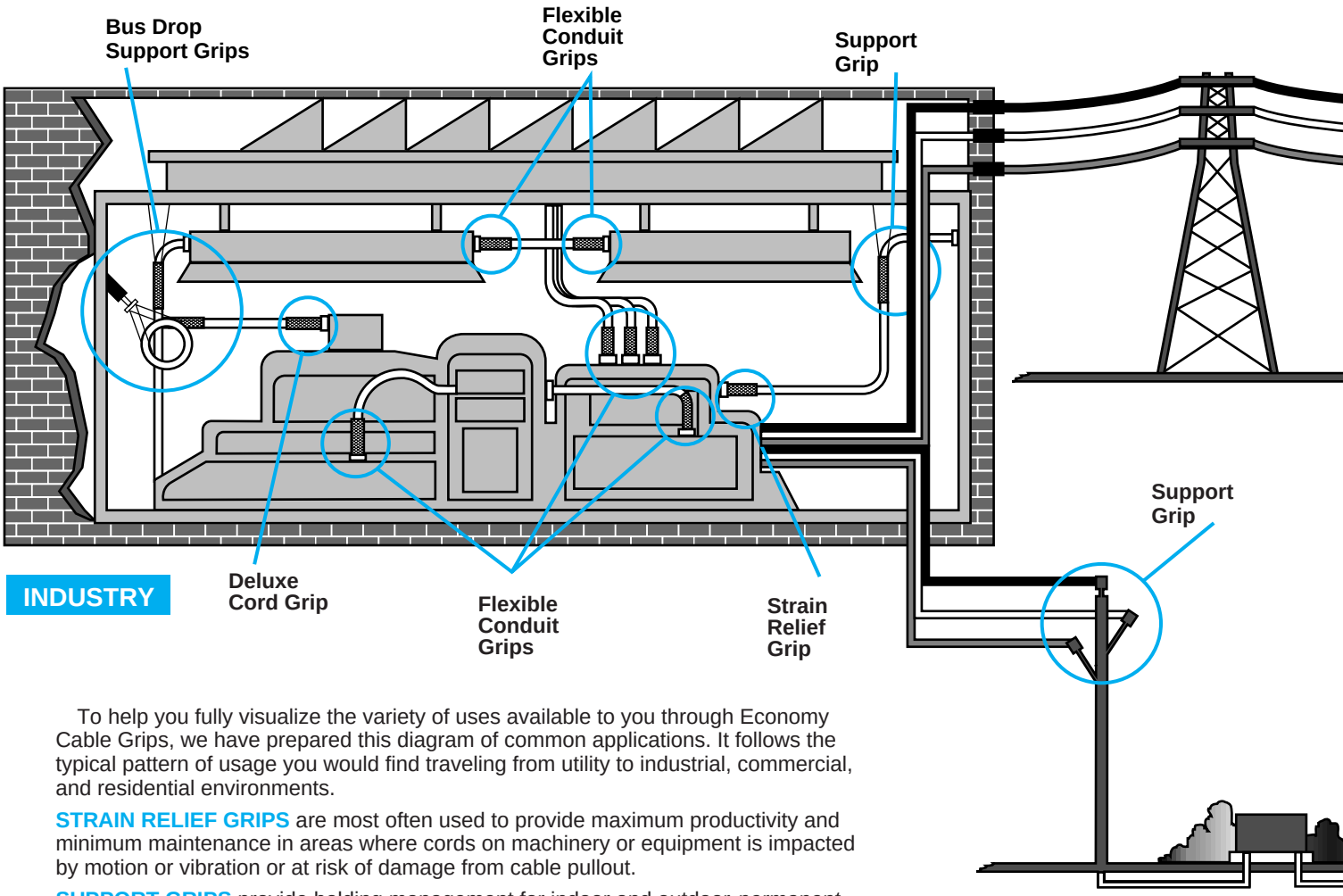
A FRAMEWORK FOR QUALITY

The stranded wire is woven and assembled with critical precision to ensure the highest level of performance reliability. We add to this wire terminating operations to deliver attachments capable of withstanding the most demanding use. This includes precision swedging and crimping for maximum holding capability, strand equalizers for equal weight loading, and collars or shoulders to protect cable ends.

These components form the framework of reliability you demand and expect from Bryant Economy Cable Grips. Superior performance, safety, and security are the end result. With Bryant as your cable grip supplier, you can be confident that your cable operation will be free of stress, strain, vibration, and tension — the factors that contribute to pullout. Economy grips hold tight.

Product specifications appearing in the following section are subject to change without notice.

ECONOMY CABLE GRIPS
Illustrated Guide to Wire Management



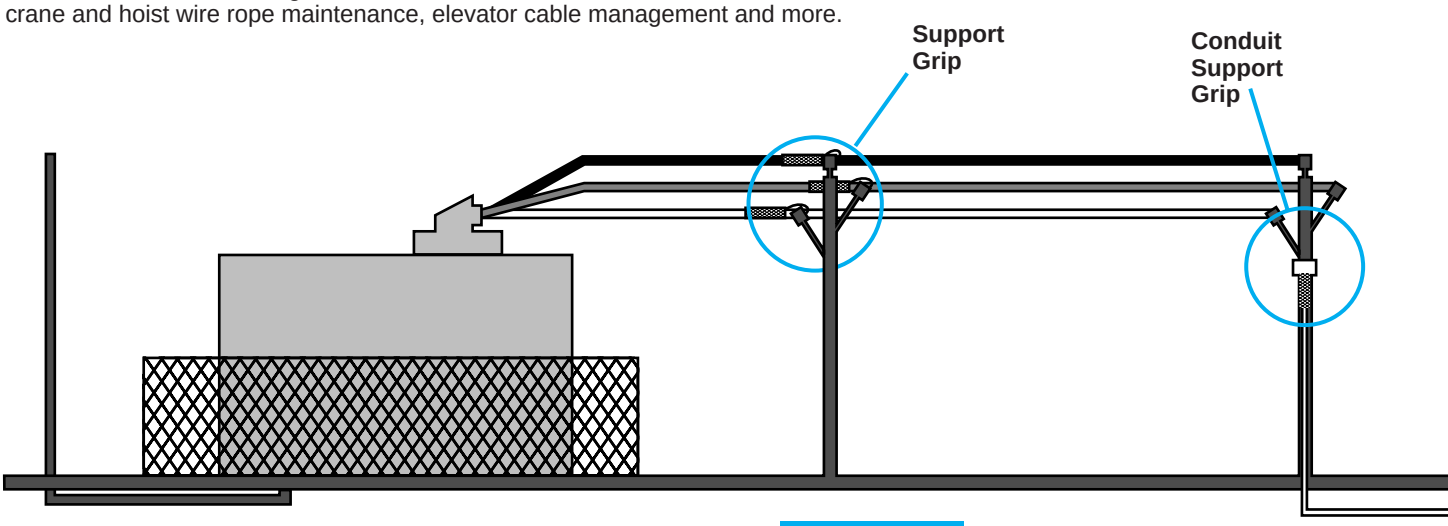
To help you fully visualize the variety of uses available to you through Economy Cable Grips, we have prepared this diagram of common applications. It follows the typical pattern of usage you would find traveling from utility to industrial, commercial, and residential environments.

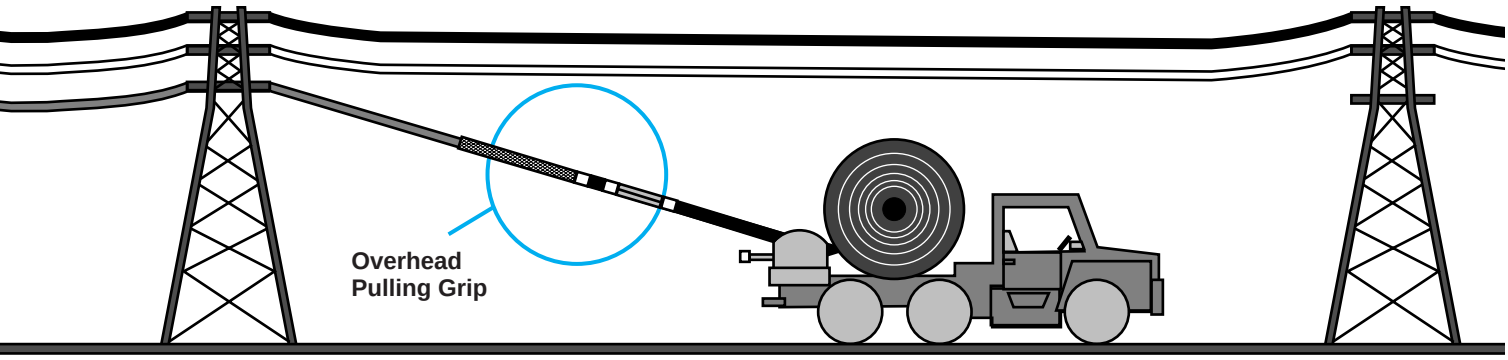
STRAIN RELIEF GRIPS are most often used to provide maximum productivity and minimum maintenance in areas where cords on machinery or equipment is impacted by motion or vibration or at risk of damage from cable pullout.

SUPPORT GRIPS provide holding management for indoor and outdoor *permanent* cable installations.

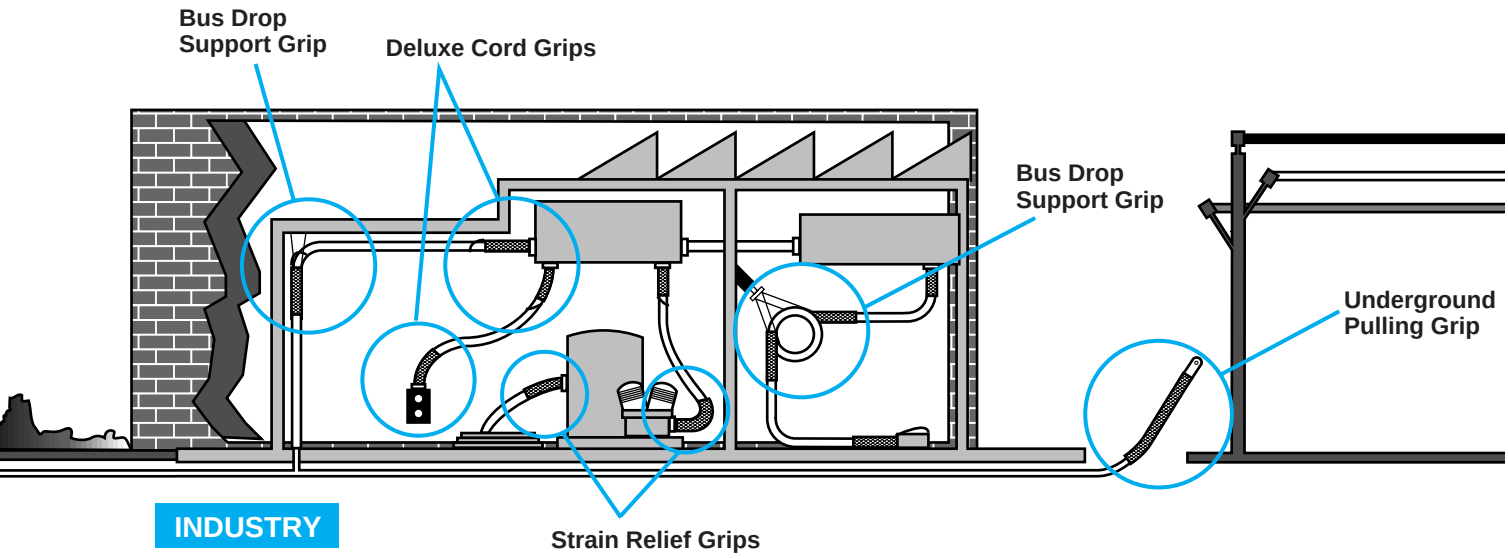
PULLING GRIPS are instrumental in the installations of transmission lines, service lines, and cabling for new construction and maintenance.

Beyond the electrical applications illustrated here, Bryant Economy Cable Grips can be used for wire management on radio and microwave communications towers, crane and hoist wire rope maintenance, elevator cable management and more.

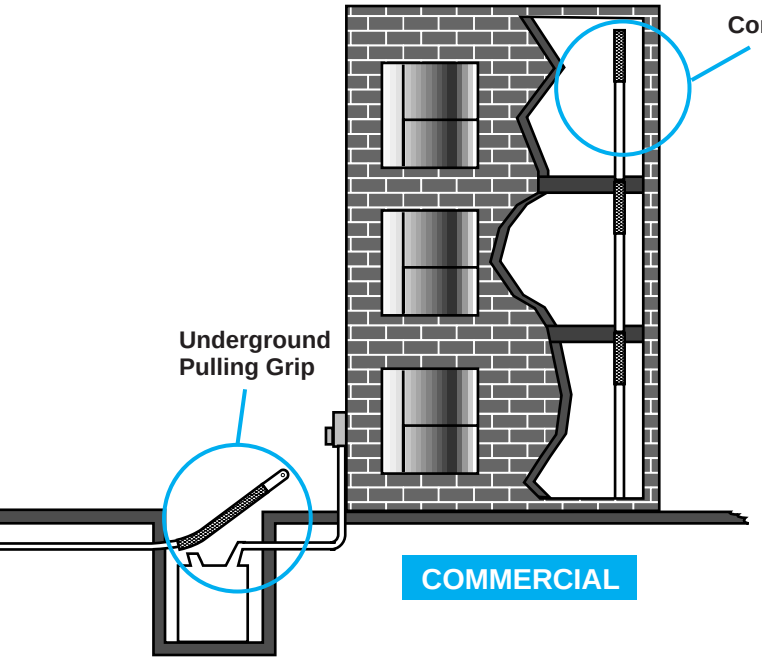




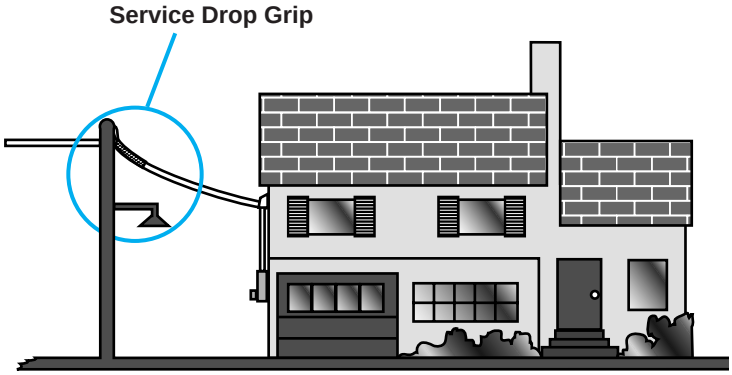
UTILITY



INDUSTRY



COMMERCIAL

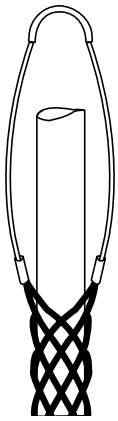


RESIDENTIAL

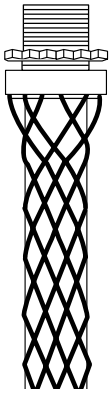
BRYANT

ECONOMY CABLE GRIPS
Quick Reference Selection Guide for Grip Attachments

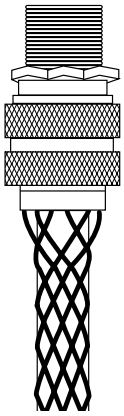
STRAIN RELIEF GRIPS



WIDE RANGE BUS DROP
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support or restrain air hose and water hose. See pg. N-9.



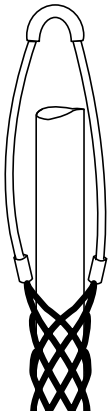
WIDE RANGE STRAIN RELIEF
Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. See pg. N-6.



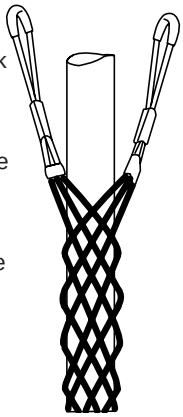
DELUXE CORD
Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. See pg. N-7.

LIQUID-TIGHT, FLEXIBLE METAL CONDUIT
Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Also available in straight, 90°, or 45° configurations. See pg. N-7.

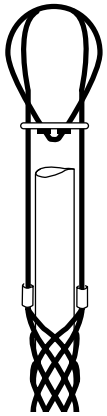
SUPPORT GRIPS



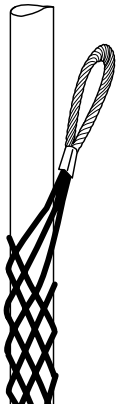
SINGLE U EYE
For single hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty, and service drop grips. See pgs. N-10, N-11, N-12, N-14, N-16, N-18, & N-19.



DOUBLE U EYE
For double hook attachment of permanent indoor/outdoor cable. Available on heavy-duty and standard duty grips. See pgs. N-10, N-11, N-12, N-14, & N-16.

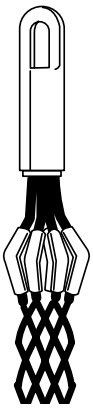


LOOPED BALE
For wrap-around attachment to an existing fastener in permanent indoor/outdoor cable. Available on standard duty, heavy-duty and light-duty service drop grips. See pgs. N-13, N-15, N-17, N-18, & N-19.

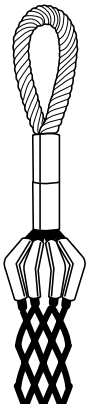


SINGLE OFFSET EYE
For offset hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty and light-duty support grips. See pgs. N-13, N-15, & N-17.

PULLING GRIPS

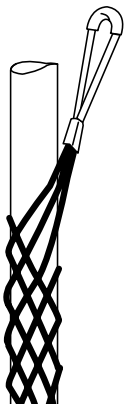


HEAVY-DUTY REVOLVING EYE
For underground wiring and overhead heavy-duty pulling of service lines and new construction cable. See pg. N-23.



HEAVY-DUTY FLEXIBLE EYE
For overhead transmission and distribution line stringing See pg. N-24.

LIGHT-DUTY FLEXIBLE EYE
For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring. See pg. N-26.



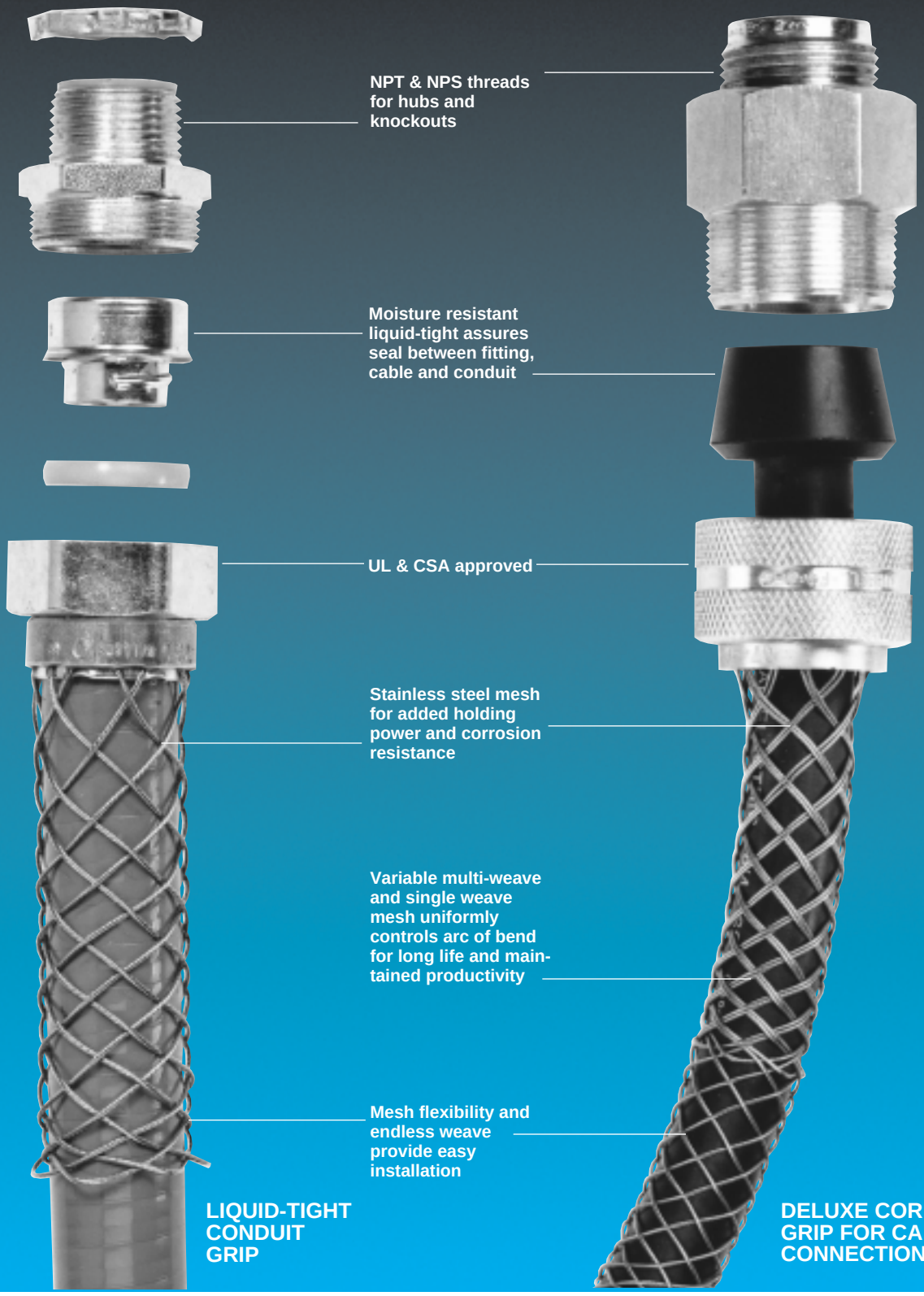
SLACK GRIPS
For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See pgs. N-27 & N-28.

OTHER SPECIALTY GRIPS

SPLICING GRIPS
Used as temporary splice for rope, cable, and wire rope or as reinforcement to protect cables and hoses. Available with flexible tube for pulling grips. See pg. N-30.

CONDUIT SUPPORT GRIPS
Ideal for supporting electrical cable inside rigid conduit via a supporting ring. See pgs. N-20, N-21, & N-22.

LIQUID-TIGHT, DUST-TIGHT
FOR FLEXIBLE, LIQUID-TIGHT CONDUITS AND INSULATED CABLES



BRYANT

ECONOMY CABLE GRIPS
Strain Relief - Wide Range

BDSR43

Features - Specifications

- Single weave variable mesh
- Galvanized steel mesh for additional holding power in abrasive environments
- Insulating bushing
- One-piece design
- Dust-proof seal
- Easily installed
- Steel locknut and threaded fitting
- UL Listed File #E167220
- CSA Certified File #LR701228

WIDE RANGE GRIPS

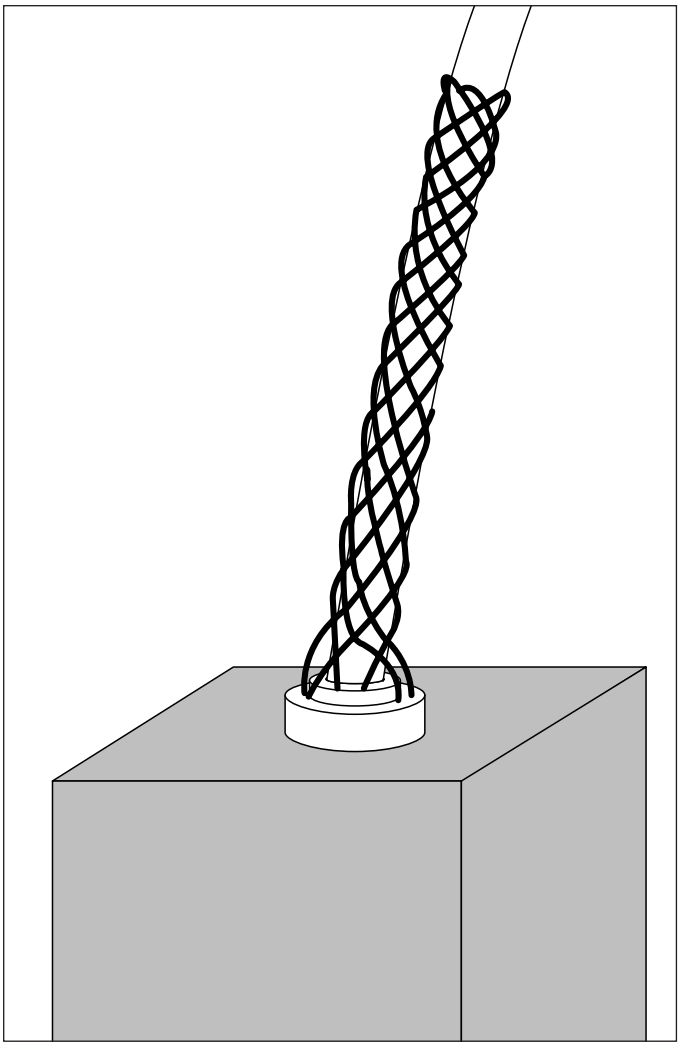
CATALOG NO.	CABLE DIAMETER RANGE INCHES(cm.)	THREAD SIZE	MESH LENGTH NOM. DIA. INCHES (cm.)
BDSR24	.24-.32 (.61-.81)	½ NPS	3¼ (8.25)
BDSR32	.32-.43 (.81-1.09)	½ NPS	3¾ (9.52)
BDSR43	.43-.54 (1.09-1.37)	½ NPS	4¾ (12.06)
BDSR54	.54-.73 (1.37-1.85)	¾ NPS	6½ (16.51)
BDSR73	.73-.97 (1.85-2.46)	1 NPS	7 (17.78)
BDSR97	.97-1.25 (2.46-3.17)	1¼ NPS	9 (22.86)
BDSR125	1.25-1.50 (3.17-3.81)	1½ NPT	11¾ (29.84)
BDSR150	1.50-1.70 (3.81-4.32)	2 NPT	13¼ (33.65)
BDSR170	1.70-2.00 (4.32-5.08)	2½ NPT	13½ (34.29)
BDSR200	2.00-2.45 (5.08-6.22)	2½ NPT	13¾ (34.92)

Application:

For indoor use only to connect flexible cord or bus drop cables to electrical enclosures. Used for preventing cable pullout damage and for controlling arc of bend by absorbing tension from terminals.

Ideal for use in:

- Bus Drop Systems
- Motor Boxes
- Power Boxes
- Panel Boards
- Internal Wiring of Machines and Cabinets
- Light to Moderate Duty Applications



ECONOMY CABLE GRIPS
Strain Relief - Deluxe Cord

DC6234

DC62F34

DC50934

DC62434

Features - Specifications

- Double to single weave variable mesh
- Stainless steel mesh offers corrosion resistance and adds strength
- Neoprene oil and watertight seal
- Liquid-tight seal
- For insulated cables
- Aluminum fitting
- Available male and female straight, 45° and 90° male
- Mesh flexibility for easy installation
- UL Listed File #E167220
- CSA Certified File #LR701228

DELUXE CORD GRIPS

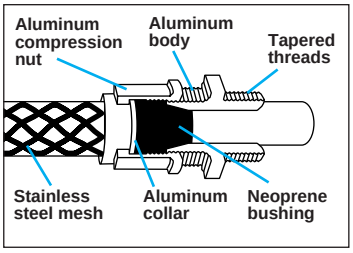
THREAD SIZE N.P.T.	MALE THREAD CAT. NO.	FEMALE THREAD CAT. NO.	90 DEGREE MALE THREAD CAT. NO.	45 DEGREE MALE THREAD CAT. NO.	GRIP DIAMETER RANGE INCHES (cm.)
⅜"	DC2538 DC3138 DC3738	DC25F38 DC31F38 DC37F38	DC25938 DC31938 DC37938	DC25438 DC31438 DC37438	.250-.312 (.63-.79) .312-.375 (.79-.95) .375-.437 (.95-1.11)
½"	DC1812 DC2512 DC3712 DC5012 DC6212	DC18F12 DC25F12 DC37F12 DC50F12	DC18912 DC25912 DC37912 DC50912	DC18412 DC25412 DC37412 DC50412	.187-.250 (.47-.63) .250-.375 (.63-.95) .375-.500 (.95-1.27) .500-.625 (1.27-1.59) .625-.750 (1.59-1.90)
¾"	DC1834 DC2534 DC3734 DC5034 DC6234 DC7534	DC25F34 DC37F34 DC50F34 DC62F34	DC37934 DC50934 DC62934	DC37434 DC50434 DC62434	.187-.250 (.47-.63) .250-.375 (.63-.95) .375-.500 (.95-1.27) .500-.625 (1.27-1.59) .625-.750 (1.59-1.90) .750-.875 (1.90-2.22)
1"	DC501 DC621 DC751 DC871	DC50F1 DC62F1 DC75F1 DC87F1	DC5091 DC6291 DC7591 DC8791	DC5041 DC6241 DC7541 DC8741	.500-.625 (1.27-1.59) .625-.750 (1.59-1.90) .750-.875 (1.90-2.22) .875-1.000 (2.22-2.54)
1¼"	DC87114 DC100114 DC112114 DC125114		DC879114 DC1009114 DC1129114 DC1259114	DC874114 DC1004114 DC1124114 DC1254114	.875-1.000 (2.22-2.54) 1.000-1.125 (2.54-2.86) 1.125-1.250 (2.86-3.17) 1.250-1.375 (3.17-3.49)
1½"	DC87112 DC100112 DC112112 DC125112 DC131112 DC143112 DC156112 DC168112		DC879112 DC1009112 DC1129112 DC1259112	DC1004112 DC1124112 DC1254112	.875-1.000 (2.22-2.54) 1.000-1.125 (2.54-2.86) 1.125-1.250 (2.86-3.17) 1.250-1.375 (3.17-3.49) 1.312-1.437 (3.33-3.65) 1.437-1.562 (3.65-3.97) 1.562-1.687 (3.97-4.28) 1.687-1.812 (4.28-4.60)
2"	DC1312 DC1432 DC1562 DC1682 DC1752 DC181X2 DC1932 DC2062				1.312-1.437 (3.33-3.65) 1.437-1.562 (3.65-3.97) 1.562-1.687 (3.97-4.28) 1.687-1.812 (4.28-4.60) 1.750-1.875 (4.44-4.76) 1.812-1.937 (4.60-4.92) 1.937-2.062 (4.92-5.24) 2.062-2.187 (5.24-5.55)
3"	DC2183 DC2313 DC2433 DC2623 DC2813				2.187-2.312 (5.55-5.87) 2.312-2.437 (5.87-6.19) 2.437-2.625 (6.19-6.67) 2.625-2.812 (6.67-7.14) 2.812-3.000 (7.14-7.62)

Application:

Used for indoor and outdoor environments where cable or cord is exposed to moisture, splash or washdown. Prevents pullout from tension, vibration, motion and strain applications associated with such environmental conditions.

Ideal for use in:

- Food Processing Equipment
- Chemical Machinery
- Switch Boxes
- Pumps
- Compressors
- Motors & Machine Tools
- Drop Stations
- Heavy-Duty Applications



BRYANT

ECONOMY CABLE GRIPS
Strain Relief - Liquid-Tight Flexible Metallic Conduit

FC75
STRAIGHT MALE

FC7590
90° MALE

FC7545
45° MALE

Features - Specifications

- Single weave
- Stainless steel mesh offers corrosion resistance and adds conduit strength
- Available in straight male, 45° or 90° fittings
- Liquid-tight seal between conduit and fitting
- Variable single weave mesh uniformly controls arc of bend, resists rigid fatigue point
- Easily installed
- Seals out contaminents that can lead to shorts
- UL Listed File #E142974
- CSA Certified File #LR701228

FLEXIBLE METALLIC CONDUIT GRIPS - MALE FITTING

CONDUIT SIZE (IN INCHES)	MALE FITTING CATALOG NO.	MESH LENGTH INCHES (cm.)	TRADE SIZE N.P.T. - INCHES
⅜	FC38	3 (7.62)	½
½	FC50	3½ (8.69)	½
¾	FC75	4 (10.16)	¾
1	FC100	5 (12.70)	1
1¼	FC125	6 (15.24)	1¼
1½	FC150	6¾ (17.14)	1½
2	FC200	8 (20.32)	2
2½	FC250	9¾ (24.76)	2½
3	FC300	11 (27.94)	3
4	FC400	14 (35.56)	4

FLEXIBLE METALLIC CONDUIT GRIPS - 90 DEGREE MALE FITTING

CONDUIT SIZE (IN INCHES)	90° FITTING CATALOG NO.	MESH LENGTH INCHES (cm.)	TRADE SIZE N.P.T. - INCHES
⅜	FC3890	3 (7.62)	½
½	FC5090	3½ (8.69)	½
¾	FC7590	4 (10.16)	¾
1	FC10090	5 (12.70)	1
1¼	FC12590	6 (15.24)	1¼
1½	FC15090	6¾ (17.14)	1½
2	FC20090	8 (20.32)	2
2½	FC25090	9¾ (24.76)	2½
3	FC30090	11 (27.94)	3
4	FC40090	14 (35.56)	4

FLEXIBLE METALLIC CONDUIT GRIPS - 45 DEGREE MALE FITTING

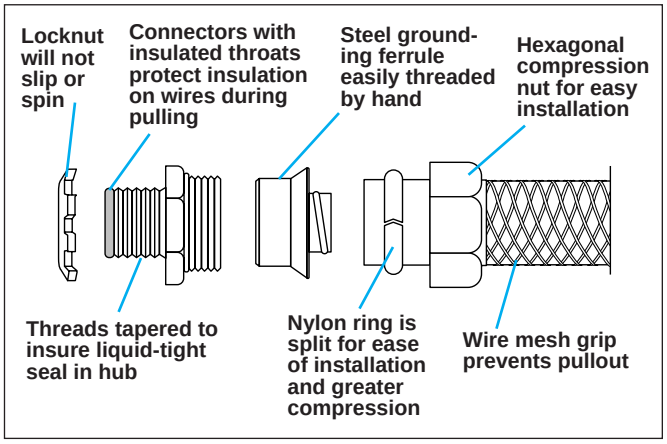
CONDUIT SIZE (IN INCHES)	45° FITTING CATALOG NO.	MESH LENGTH INCHES (cm.)	TRADE SIZE N.P.T. - INCHES
⅜	FC3845	3 (7.62)	½
½	FC5045	3½ (8.69)	½
¾	FC7545	4 (10.16)	¾
1	FC10045	5 (12.70)	1
1¼	FC12545	6 (15.24)	1¼
1½	FC15045	6¾ (17.14)	1½
2	FC20045	8 (20.32)	2

Application:

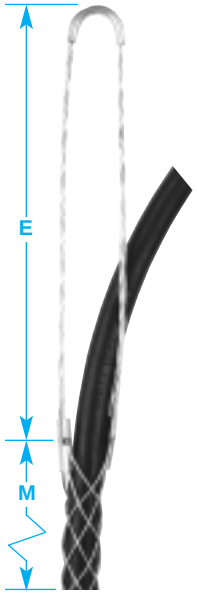
For use in any application that requires liquid-tight conduit. Flexible conduit grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code sections 501-4(b), 502-4(a), 502-4(b), 503-3(a), and 503-3(b).

Ideal for use in:

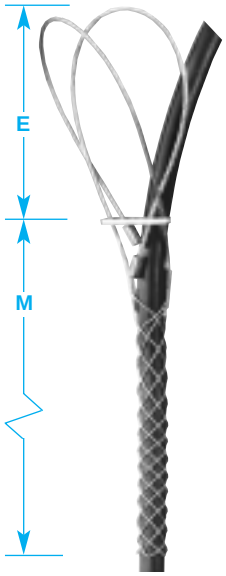
- Weaving & Paper Machines
- Breweries & Bakeries
- Food Processing
- Dairies
- Chemical Plants & Mines
- Machine Tools & Motors



ECONOMY CABLE GRIPS
Strain Relief - Bus Drop Support



BDS 56U
U EYE



BDS 56L
LOOPED BALE

S80
SAFETY SPRING

Features - Specifications

- Single variable weave
- Galvanized steel for additional holding power in abrasive environments
- Strand equalizers position wires for equal loading
- Light-duty
- Indoor only, permanent support
- Easily installed
- Single eye or looped bale attachment
- UL Listed File #E167220
- CSA Certified File #LR701228

BUS DROP GRIPS WITH SINGLE U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M INCHES (cm.)
BDS24U	.24-.32 (.61-.81)	350 (1,557)	3 (7.62)	3½ (8.89)
BDS32U	.32-.43 (.81-1.09)	450 (2,002)	4 (10.16)	4 (10.16)
BDS43U	.43-.56 (1.09-1.42)	550 (2,446)	6 (15.24)	4¾ (12.06)
BDS56U	.56-.73 (1.42-1.85)	1000 (4,448)	7 (17.78)	6 (15.24)
BDS73U	.73-.85 (1.85-2.16)	1400 (6,227)	7 (17.78)	6¾ (17.14)
BDS85U	.85-1.00 (2.16-2.54)	1400 (6,227)	8 (20.32)	8 (20.32)
BDS100U	1.00-1.25 (2.54-3.17)	1500 (6,672)	9 (22.86)	9½ (24.13)

BUS DROP GRIPS WITH LOOPED BALE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M INCHES (cm.)
BDS24L	.24-.32 (.61-.81)	350 (1,557)	9 (22.86)	3½ (8.89)
BDS32L	.32-.43 (.81-1.09)	450 (2,002)	10 (25.40)	4 (10.16)
BDS43L	.43-.56 (1.09-1.42)	550 (2,446)	12 (30.48)	4¾ (12.06)
BDS56L	.56-.73 (1.42-1.85)	1000 (4,448)	13 (33.02)	6 (15.24)
BDS73L	.73-.85 (1.85-2.16)	1400 (6,227)	13 (33.02)	6¾ (17.14)
BDS85L	.85-1.00 (2.16-2.54)	1400 (6,227)	14 (35.56)	8 (20.32)
BDS100L	1.00-1.25 (2.54-3.17)	1500 (6,672)	15 (38.10)	9½ (24.13)

BUS DROP SAFETY SPRINGS

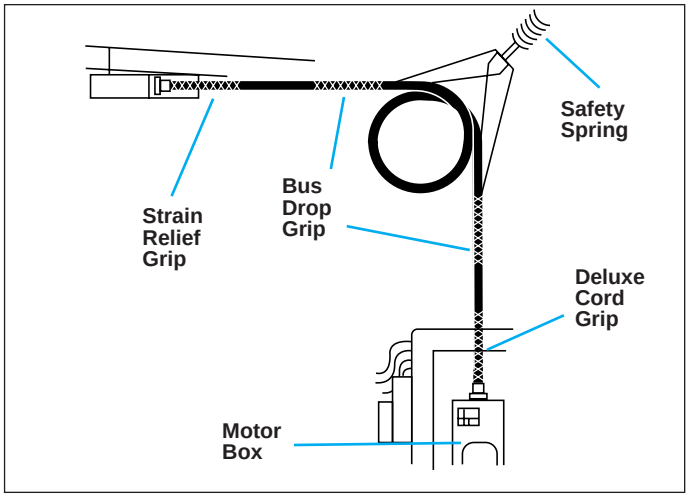
CATALOG NO.	DIAMETER INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	LENGTH INCHES (cm.)	MAXIMUM DEFLECTION INCHES/LBS. (cm./N)
S40	¾" (1.90)	500 (2,224)	8¼ (20.95)	2⅝ AT 40 LBS. (6.67 cm. At 178 N)
S80	1" (2.54)	850 (3,781)	8¼ (20.95)	3⅛ AT 80 LBS. (7.94 CM. AT 356 N)

Application:

Used for light-duty support of the dead weight of flexible cable connections of electrical machinery to bus ducts, relieving strain, pull, vibration, and flexing. When used with safety springs, these grips reduce tension, prevent pull-outs, electrical accidents, and downtime. Often used in conjunction with strain relief grips.

Ideal for use in:

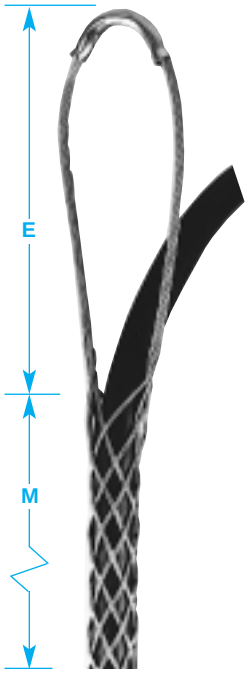
- All Factory Equipment
- Cable Drops for Electrical Connections



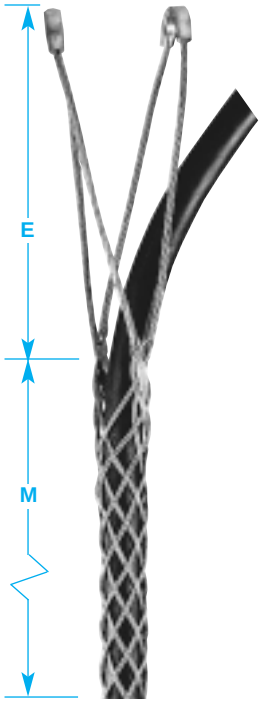
CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

BRYANT

ECONOMY CABLE GRIPS
Support - Heavy-Duty, Closed Mesh
Single U Eye/Double U Eye



SHC125U



SHC125

Features - Specifications

- Double weave variable mesh
- Tin-coated bronze for extra corrosion resistance
- Absorbs strain
- Controls vibration and flexing of cables
- Prevents pullouts and breakage
- Endless weave
- CSA Certified File #LR701228

HEAVY-DUTY GRIPS WITH U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SHC075U	.75-.99 (1.90-2.51)	2820 (12,543)	10 (25.40)	25 (63.50)
SHC100U	1.00-1.24 (2.54-3.15)	4280 (19,037)	10 (25.40)	28 (71.12)
SHC125U	1.25-1.49 (3.17-3.78)	4280 (19,037)	10 (25.40)	30 (76.20)
SHC150U	1.50-1.74 (3.81-4.42)	4280 (19,037)	10 (25.40)	34 (86.36)

HEAVY-DUTY GRIPS WITH DOUBLE U EYE

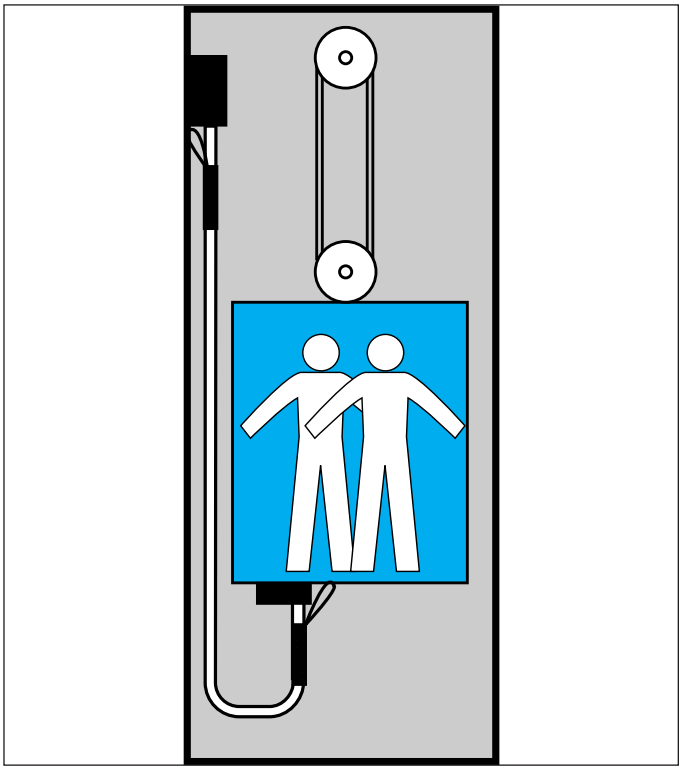
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SHC075	.75-.99 (1.90-2.51)	2820 (12,543)	10 (25.40)	25 (63.50)
SHC100	1.00-1.24 (2.54-3.15)	4280 (19,037)	10 (25.40)	28 (71.12)
SHC125	1.25-1.49 (3.17-3.78)	4280 (19,037)	10 (25.40)	30 (76.20)
SHC150	1.50-1.99 (3.81-5.05)	4280 (19,037)	10 (25.40)	34 (86.36)
SHC200	2.00-2.49 (5.08-6.32)	8050 (35,806)	10 (25.40)	36 (91.44)
SHC250	2.50-2.99 (6.35-7.59)	8050 (35,806)	10 (25.40)	38 (96.52)
SHC300	3.00-3.49 (7.62-8.86)	10060 (44,747)	10 (25.40)	40 (101.62)
SHC350	3.50-3.99 (8.89-10.13)	12070 (53,687)	10 (25.40)	44 (111.76)
SHC400	4.00-4.49 (10.16-11.40)	12070 (53,687)	10 (25.40)	46 (116.84)
SHC450	4.50-4.99 (11.43-12.67)	12070 (53,687)	10 (25.40)	68 (172.72)
SHC500	5.00-5.99 (12.70-15.21)	14080 (62,628)	10 (25.40)	72 (182.88)

Application:

For permanent support of heavy loads and long runs of vertical and horizontal cables indoors and outdoors where ends of cable are available.

Ideal for Use In:

- Communication Towers
- Elevator Shafts
- Ships
- Buildings
- Utility Poles - Tele & Power
- Excavations
- Construction Sites
- Factories



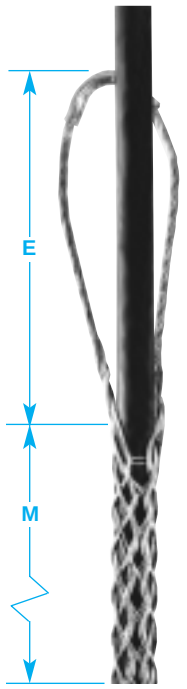
CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Consult Factory.

BRYANT

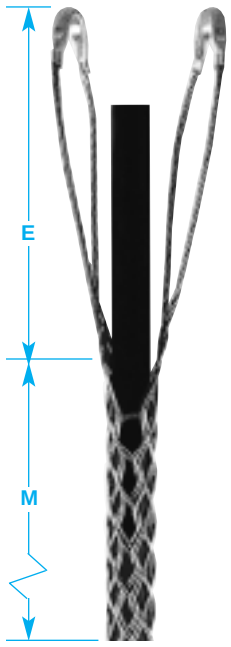
ECONOMY CABLE GRIPS

Support - Heavy-Duty, Split Lace Mesh

Single U Eye/Double U Eye



SHS125U



SHS125

Features - Specifications

- Double weave variable mesh
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Lace closing for easy cable closure
- Prevents pullouts and breakage
- Endless weave
- CSA Certified File #LR701228

HEAVY-DUTY SPLIT LACE GRIPS WITH U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SHS075U	.75-.99 (1.90-2.51)	2820 (12,543)	10 (25.40)	25 (63.50)
SHS100U	1.00-1.24 (2.54-3.15)	4280 (19,037)	10 (25.40)	28 (71.12)
SHS125U	1.25-1.49 (3.17-3.78)	4280 (19,037)	10 (25.40)	30 (76.20)
SHS150U	1.50-1.74 (3.81-4.42)	4280 (19,037)	10 (25.40)	34 (86.36)

HEAVY-DUTY SPLIT LACE GRIPS WITH DOUBLE U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SHS075	.75-.99 (1.90-2.51)	2820 (12,543)	10 (25.40)	25 (63.50)
SHS100	1.00-1.24 (2.54-3.15)	4280 (19,037)	10 (25.40)	28 (71.12)
SHS125	1.25-1.49 (3.17-3.78)	4280 (19,037)	10 (25.40)	30 (76.20)
SHS150	1.50-1.99 (3.81-5.05)	4280 (19,037)	10 (25.40)	34 (86.36)
SHS200	2.00-2.49 (5.08-6.32)	8050 (35,806)	10 (25.40)	36 (91.44)
SHS250	2.50-2.99 (6.35-7.59)	8050 (35,806)	10 (25.40)	38 (96.52)
SHS300	3.00-3.49 (7.62-8.86)	10060 (44,747)	10 (25.40)	40 (101.62)
SHS350	3.50-3.99 (8.89-10.13)	12070 (53,687)	10 (25.40)	44 (111.76)
SHS400	4.00-4.49 (10.16-11.40)	12070 (53,687)	10 (25.40)	46 (116.84)
SHS450	4.50-4.99 (11.43-12.67)	12070 (53,687)	10 (25.40)	68 (172.72)
SHS500	5.00-5.99 (12.70-15.21)	14080 (62,628)	10 (25.40)	72 (182.88)

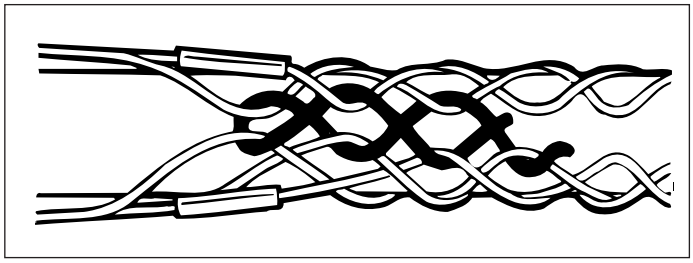
Application:

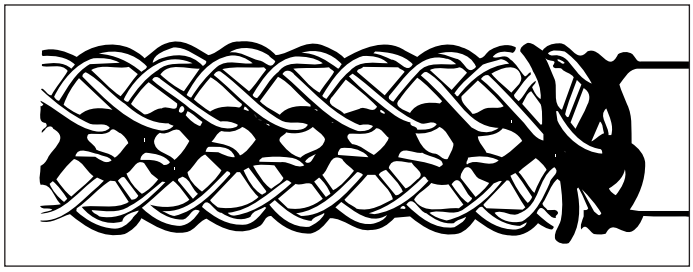
Used for supporting heavy loads and long runs of vertical and horizontal cables indoors and outdoors where ends of cable **are not** available.

Ideal for Use In:

- Communication Towers
- Elevator Shafts
- Shipping
- Buildings
- Excavations
- Factories
- Utility Work

SPLIT LACE MESH





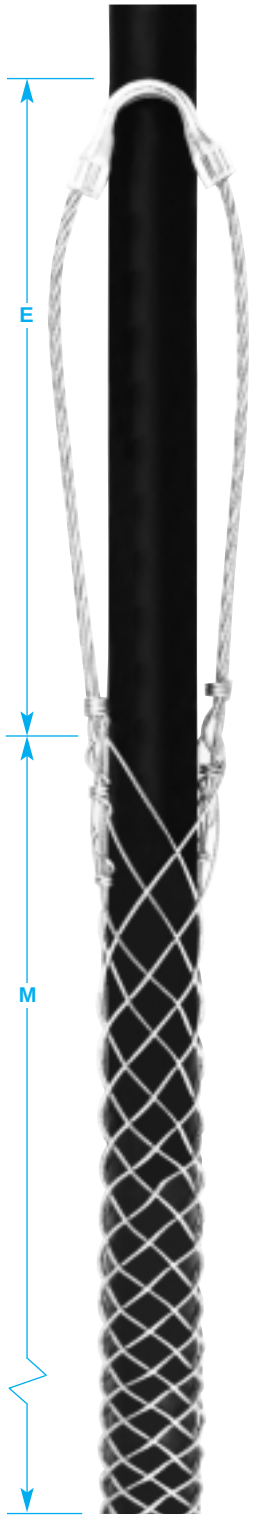
See pg. N-32 for installation instructions.

CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

Note: Stainless steel support grips are available upon request. Consult Factory.

BRYANT

ECONOMY CABLE GRIPS
Support - Standard Duty, Closed Mesh
Single U Eye/Double U Eye



SPC125U

Features - Specifications
- Single weave variable mesh
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Endless weave
- Strand equalizers position wires for equal loading
- CSA Certified File #LR701228

CLOSED GRIPS WITH U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPC050U	.50-.62 (1.27-1.57)	530 (2,357)	7 (17.78)	10 (25.40)
SPC062U	.63-.74 (1.60-1.88)	790 (3,514)	8 (20.32)	10 (25.40)
SPC075U	.75-.99 (1.90-2.51)	1020 (4,537)	8 (20.32)	13 (33.02)
SPC100U	1.00-1.24 (2.54-3.15)	1610 (7,161)	9 (22.86)	14 (35.56)
SPC125U	1.25-1.49 (3.17-3.78)	1610 (7,161)	10 (25.40)	15 (38.10)
SPC150U	1.50-1.74 (3.81-4.42)	1610 (7,161)	12 (30.48)	17 (43.18)
SPC175U	1.75-1.99 (4.44-5.05)	2150 (9,563)	14 (35.56)	19 (48.26)
SPC200U	2.00-2.49 (5.08-6.32)	3260 (14,500)	16 (40.64)	21 (53.34)
SPC250U	2.50-2.99 (6.35-7.59)	3260 (14,500)	18 (45.72)	23 (58.42)
SPC300U	3.00-3.49 (7.62-8.86)	4900 (21,795)	21 (53.34)	25 (63.50)
SPC350U	3.50-3.99 (8.89-10.13)	4900 (21,795)	24 (60.96)	27 (63.58)

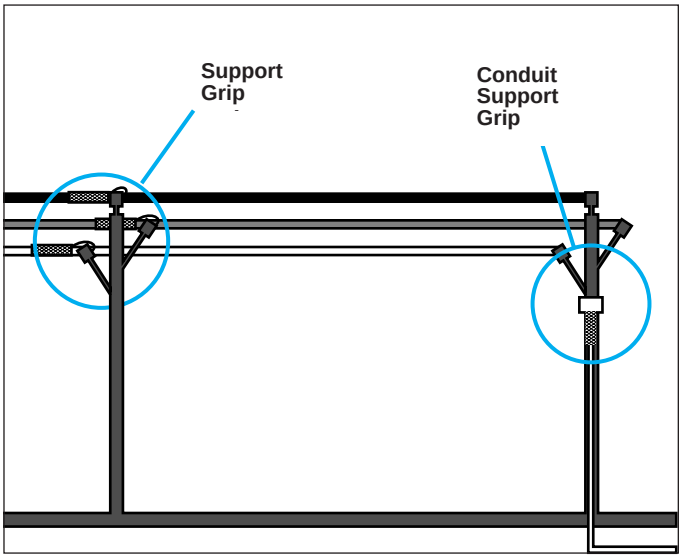
CLOSED GRIPS WITH DOUBLE U EYE①

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPC050DE	.50-.62 (1.27-1.57)	530 (2,357)	4 (10.16)	10 (25.40)
SPC062DE	.63-.74 (1.60-1.88)	790 (3,514)	4 (10.16)	10 (25.40)
SPC075DE	.75-.99 (1.90-2.51)	1020 (4,537)	4 (10.16)	13 (33.02)
SPC100DE	1.00-1.24 (2.54-3.15)	1610 (7,161)	5 (12.70)	14 (35.56)
SPC125DE	1.25-1.49 (3.17-3.78)	1610 (7,161)	5 (12.70)	15 (38.10)
SPC150DE	1.50-1.74 (3.81-4.42)	1610 (7,161)	5 (12.70)	17 (43.18)
SPC175DE	1.75-1.99 (4.44-5.05)	2150 (9,563)	6 (15.24)	19 (48.26)
SPC200DE	2.00-2.49 (5.08-6.32)	3260 (14,500)	6 (15.24)	21 (53.34)
SPC250DE	2.50-2.99 (6.35-7.59)	3260 (14,500)	6 (15.24)	23 (58.42)
SPC300DE	3.00-3.49 (7.62-8.86)	4900 (21,795)	8 (20.32)	25 (63.50)
SPC350DE	3.50-3.99 (8.89-10.13)	4900 (21,795)	8 (20.32)	27 (68.58)

① Double Eye available in medium lengths

Application:
For the permanent support of vertical and horizontal cable indoors and outdoors where ends of cable are available.

Ideal for use in:
- Commercial Towers
- Elevator Shafts
- Ships
- Buildings
- Utility Poles - Tele and Power
- Excavations
- Construction Sites
- Factories



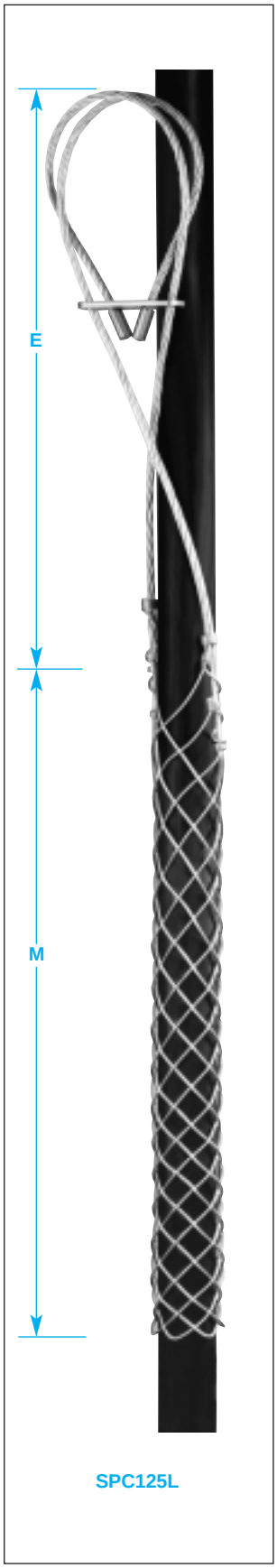
CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Also available in medium lengths. Consult Factory.

BRYANT

ECONOMY CABLE GRIPS

Support - Standard Duty, Closed Mesh

Single Offset Eye/Looped Bale



SPC125L

Features - Specifications

- Single weave
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Endless weave
- Strand equalizers position wires for equal loading
- CSA Certified File #LR701228

CLOSED GRIPS WITH SINGLE OFFSET EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.)	M
SPC050SO	.50-.62 (1.27-1.57)	500 (2,724)	4 (10.16)	10	(25.40)
SPC062SO	.63-.74 (1.60-1.88)	750 (3,336)	4 (10.16)	10	(25.40)
SPC075SO	.75-.99 (1.90-2.51)	950 (4,226)	4 (10.16)	13	(33.02)
SPC100SO	1.00-1.24 (2.54-3.15)	1500 (6,672)	5 (12.70)	14	(35.56)
SPC125SO	1.25-1.49 (3.17-3.78)	1500 (6,672)	5 (12.70)	15	(38.10)
SPC150SO	1.50-1.74 (3.81-4.42)	1500 (6,672)	5 (12.70)	17	(43.10)
SPC175SO	1.75-1.99 (4.44-5.05)	2000 (8,896)	6 (15.24)	19	(48.26)
SPC200SO	2.00-2.49 (5.08-6.32)	3100 (13,789)	6 (15.24)	21	(53.34)
SPC250SO	2.50-2.99 (6.35-7.59)	3100 (13,789)	6 (15.24)	23	(58.42)
SPC300SO	3.00-3.49 (7.62-8.86)	3800 (16,902)	9 (22.86)	25	(63.50)
SPC350SO	3.50-3.99 (8.89-10.13)	3800 (16,902)	9 (22.86)	27	(68.58)

CLOSED GRIPS WITH LOOPED BALE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.)	M
SPC050L	.50-.62 (1.27-1.57)	530 (2,357)	18 (45.72)	10	(25.40)
SPC062L	.63-.74 (1.60-1.88)	790 (3,514)	18 (45.72)	10	(25.40)
SPC075L	.75-.99 (1.90-2.51)	1020 (4,537)	18 (45.72)	13	(33.02)
SPC100L①	1.00-1.24 (2.54-3.15)	1610 (7,161)	18 (45.72)	14	(35.56)
SPC125L①	1.25-1.49 (3.17-3.78)	1610 (7,161)	18 (45.72)	15	(38.10)
SPC150L	1.50-1.74 (3.81-4.42)	1610 (7,161)	18 (45.72)	17	(43.10)
SPC175L	1.75-1.99 (4.44-5.05)	2150 (9,563)	18 (45.72)	19	(48.26)
SPC200L	2.00-2.49 (5.08-6.32)	3260 (14,500)	18 (45.72)	21	(53.34)
SPC250L	2.50-2.99 (6.35-7.59)	3260 (14,500)	18 (45.72)	23	(58.42)
SPC300L	3.00-3.49 (7.62-8.86)	4900 (21,795)	18 (45.72)	25	(63.50)
SPC350L	3.50-3.99 (8.89-10.13)	4900 (21,795)	18 (45.72)	27	(68.58)

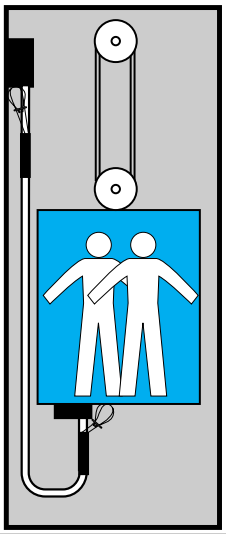
① Available in hooked ends

Application:

For the permanent support of vertical and horizontal cable indoors and outdoors where ends of cable are available.

Ideal for use in:

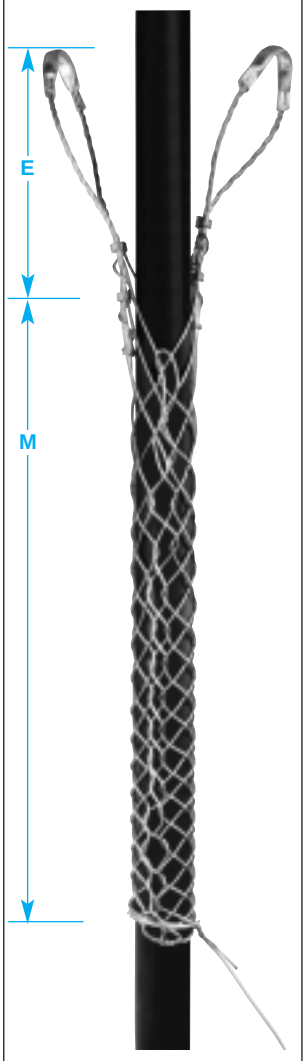
- Communication Towers
- Elevator Shafts
- Ships
- Buildings
- Utility Poles - Tele and Power
- Excavations
- Construction Sites
- Factories



CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Consult Factory.

BRYANT

ECONOMY CABLE GRIPS
Support - Standard Duty, Split Mesh, Lace Closing
Single U Eye/Double U Eye



SPS125DE

Features - Specifications

- Single weave
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Endless weave
- Strand equalizers position wires for equal loading
- CSA Certified File #LR701228

SPLIT LACE CLOSING GRIPS WITH U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPS050U	.50-.62 (1.27-1.57)	530 (2,357)	7 (17.78)	10 (25.40)
SPS062U	.63-.74 (1.60-1.88)	790 (3,514)	8 (20.32)	10 (25.40)
SPS075U	.75-.99 (1.90-2.51)	1020 (4,537)	8 (20.32)	13 (33.02)
SPS100U	1.00-1.24 (2.54-3.15)	1610 (7,161)	9 (22.86)	14 (35.56)
SPS125U	1.25-1.49 (3.17-3.78)	1610 (7,161)	10 (25.40)	15 (38.10)
SPS150U	1.50-1.74 (3.81-4.42)	1610 (7,161)	12 (30.48)	17 (43.18)
SPS175U	1.75-1.99 (4.44-5.05)	2150 (9,563)	14 (35.56)	19 (48.26)
SPS200U	2.00-2.49 (5.08-6.32)	3260 (14,500)	16 (40.64)	21 (53.34)
SPS250U	2.50-2.99 (6.35-7.59)	3260 (14,500)	18 (45.72)	23 (58.42)
SPS300U	3.00-3.49 (7.62-8.86)	4900 (21,795)	21 (53.34)	25 (63.50)
SPS350U	3.50-3.99 (8.89-10.13)	4900 (21,795)	24 (60.96)	27 (68.58)

U Eye grips available in medium lengths upon request.

SPLIT LACE CLOSING GRIPS WITH DOUBLE U EYE

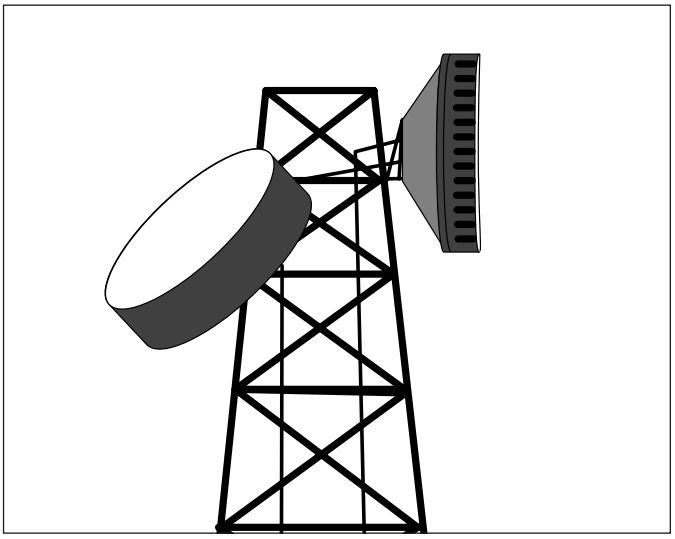
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPS050DE	.50-.62 (1.27-1.57)	530 (2,357)	4 (10.16)	10 (25.40)
SPS062DE	.63-.74 (1.60-1.88)	790 (3,514)	4 (10.16)	10 (25.40)
SPS075DE	.75-.99 (1.90-2.51)	1020 (4,537)	4 (10.16)	13 (33.02)
SPS100DE	1.00-1.24 (2.54-3.15)	1610 (7,161)	5 (12.70)	14 (35.56)
SPS125DE	1.25-1.49 (3.17-3.78)	1610 (7,161)	5 (12.70)	15 (38.10)
SPS150DE	1.50-1.74 (3.81-4.42)	1610 (7,161)	5 (12.70)	17 (43.18)
SPS175DE	1.75-1.99 (4.44-5.05)	2150 (9,563)	6 (15.24)	19 (48.26)
SPS200DE	2.00-2.49 (5.08-6.32)	3260 (14,500)	6 (15.24)	21 (53.34)
SPS250DE	2.50-2.99 (6.35-7.59)	3260 (14,500)	6 (15.24)	23 (58.42)
SPS300DE	3.00-3.49 (7.62-8.86)	4900 (21,795)	8 (20.32)	25 (63.50)
SPS350DE	3.50-3.99 (8.89-10.13)	4900 (21,795)	8 (20.32)	27 (68.58)

Application:

For the permanent support of vertical and horizontal cable indoors and outdoors where ends of cable **are not** available.

Ideal for use in:

- Communication Towers
- Elevator Shafts
- Ships
- Buildings
- Utility Poles - Tele and Power
- Excavations
- Construction Sites
- Factories



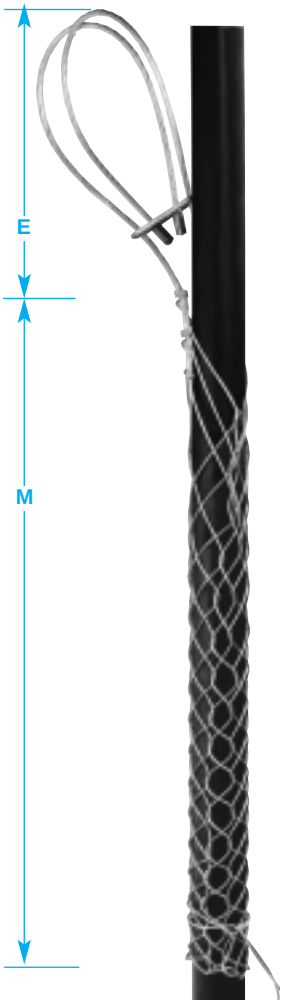
CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Consult Factory.
See pg. N-32 for lace closing instruction.

BRYANT

ECONOMY CABLE GRIPS

Support - Standard Duty, Split Mesh, Lace Closing

Single Offset Eye/Looped Bale



SPS150L

Features - Specifications

- Single weave
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Endless weave
- Strand equalizers position wires for equal loading
- CSA Certified File #LR701228

SPLIT LACE CLOSING GRIPS WITH SINGLE OFFSET EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SPS050SO	.50-.62 (1.27-1.57)	500 (2,724)	4 (10.16)	10 (25.40)
SPS062SO	.63-.74 (1.60-1.88)	750 (3,336)	4 (10.16)	10 (25.40)
SPS075SO	.75-.99 (1.90-2.51)	950 (4,226)	4 (10.16)	13 (33.02)
SPS100SO	1.00-1.24 (2.54-3.15)	1500 (6,672)	5 (12.70)	14 (35.56)
SPS125SO	1.25-1.49 (3.17-3.78)	1500 (6,672)	5 (12.70)	15 (38.10)
SPS150SO	1.50-1.74 (3.81-4.42)	1500 (6,672)	5 (12.70)	17 (43.18)
SPS175SO	1.75-1.99 (4.44-5.05)	2000 (8,896)	6 (15.24)	19 (48.26)
SPS200SO	2.00-2.49 (5.08-6.32)	3100 (13,789)	6 (15.24)	21 (53.34)
SPS250SO	2.50-2.99 (6.35-7.59)	3100 (13,789)	6 (15.24)	23 (58.42)
SPS300SO	3.00-3.49 (7.62-8.86)	3800 (16,902)	9 (22.86)	25 (63.50)
SPS350SO	3.50-3.99 (8.89-10.13)	3800 (16,902)	9 (22.86)	27 (68.58)

SPLIT LACE CLOSING GRIPS WITH LOOPED BALE

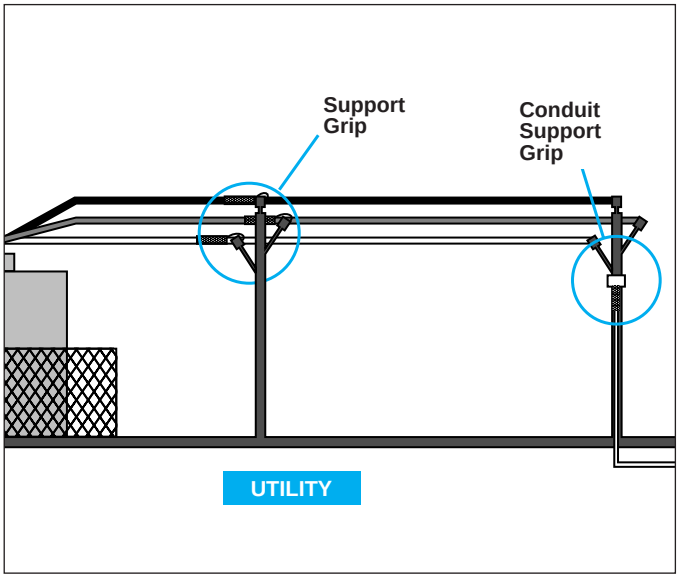
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SPS050L	.50-.62 (1.27-1.57)	530 (2,357)	18 (45.72)	10 (25.40)
SPS062L	.63-.74 (1.60-1.88)	790 (3,514)	18 (45.72)	10 (25.40)
SPS075L	.75-.99 (1.90-2.51)	1020 (4,537)	18 (45.72)	13 (33.02)
SPS100L	1.00-1.24 (2.54-3.15)	1610 (7,161)	18 (45.72)	14 (35.56)
SPS125L	1.25-1.49 (3.17-3.78)	1610 (7,161)	18 (45.72)	15 (38.10)
SPS150L	1.50-1.74 (3.81-4.42)	1610 (7,161)	18 (45.72)	17 (43.18)
SPS175L	1.75-1.99 (4.44-5.05)	2150 (9,563)	18 (45.72)	19 (48.26)
SPS200L	2.00-2.49 (5.08-6.32)	3260 (14,500)	18 (45.72)	21 (53.34)
SPS250L	2.50-2.99 (6.35-7.59)	3260 (14,500)	18 (45.72)	23 (58.42)
SPS300L	3.00-3.49 (7.62-8.86)	4900 (21,795)	18 (45.72)	25 (63.50)
SPS350L	3.50-3.99 (8.89-10.13)	4900 (21,795)	18 (45.72)	27 (68.58)

Application:

Used for supporting vertical and horizontal runs of cable indoors and outdoors when the ends of cables **are not** available.

Ideal for use in:

- Communication Towers
- Elevator Shafts
- Shipping
- Buildings
- Utility Poles - Tele and Power
- Excavations
- Construction Sites
- Factories

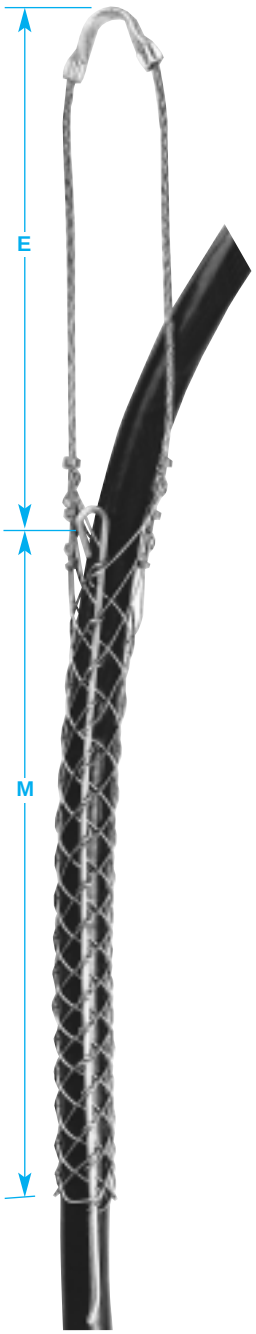


CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

Note: Stainless steel support grips are available upon request. Consult Factory.

BRYANT

ECONOMY CABLE GRIPS
Support - Standard Duty, Split Rod Mesh
Single U Eye/Double U Eye



SPSR125U

Features - Specifications
- Single weave
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Endless weave
- Strand equalizers position wires for equal loading
- Adjusts to any position and eliminates risk of cable slipping due to loosely laced grip
- Rod closing facilitates easy grip closure
- CSA Certified File #LR701228

SPLIT ROD CLOSING GRIPS WITH U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPSR050U	.50-.62 (1.27-1.57)	790 (3,514)	7 (17.78)	8½ (21.59)
SPSR062U	.63-.74 (1.60-1.88)	790 (3,514)	8 (20.32)	8½ (21.59)
SPSR075U	.75-.99 (1.90-2.51)	1020 (4,537)	8 (20.32)	10½ (26.67)
SPSR100U	1.00-1.24 (2.54-3.35)	1610 (7,161)	9 (22.86)	12½ (31.75)
SPSR125U	1.25-1.49 (3.17-3.78)	1610 (7,161)	10 (25.40)	14½ (36.83)
SPSR150U	1.50-1.74 (3.81-4.42)	1610 (7,161)	12 (30.48)	15½ (39.37)
SPSR175U	1.75-1.99 (4.44-5.05)	2150 (9,563)	14 (35.56)	16½ (41.91)
SPSR200U	2.00-2.49 (5.08-6.32)	3260 (14,500)	16 (40.64)	19½ (49.53)
SPSR250U	2.50-2.99 (6.35-7.59)	3260 (14,500)	18 (45.72)	21½ (54.61)
SPSR300U	3.00-3.49 (7.62-8.86)	5750 (25.576)	21 (53.34)	23½ (59.69)
SPSR350U	3.50-3.99 (8.89-10.13)	5750 (25,576)	24 (60.96)	25½ (64.77)

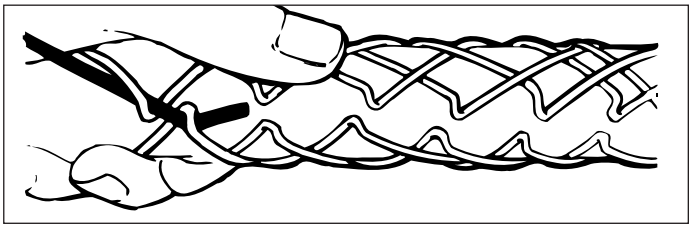
SPLIT ROD CLOSING GRIPS WITH DOUBLE U EYE

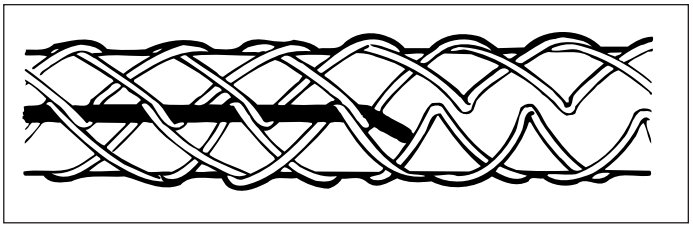
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPSR050DE	.50-.62 (1.27-1.57)	790 (3,514)	4 (10.16)	8½ (21.59)
SPSR062DE	.63-.74 (1.60-1.88)	790 (3,514)	4 (10.16)	8½ (21.59)
SPSR075DE	.75-.99 (1.90-2.51)	1020 (4,537)	4 (10.16)	10½ (26.67)
SPSR100DE	1.00-1.24 (2.54-3.35)	1610 (7,161)	5 (12.70)	12½ (31.75)
SPSR125DE	1.25-1.49 (3.17-3.78)	1610 (7,161)	5 (12.70)	14½ (36.83)
SPSR150DE	1.50-1.74 (3.81-4.42)	1610 (7,161)	5 (12.70)	15½ (39.37)
SPSR175DE	1.75-1.99 (4.44-5.05)	2150 (9,563)	6 (15.24)	16½ (41.91)
SPSR200DE	2.00-2.49 (5.08-6.32)	3260 (14,500)	6 (15.24)	19½ (49.53)
SPSR250DE	2.50-2.99 (6.35-7.59)	3260 (14,500)	6 (15.24)	21½ (54.61)
SPSR300DE	3.00-3.49 (7.62-8.86)	5750 (25.576)	8 (20.32)	23½ (59.69)
SPSR350DE	3.50-3.99 (8.89-10.13)	5750 (25,576)	8 (20.32)	25½ (64.77)

Application:
Used for supporting vertical and horizontal runs of cable indoors and outdoors when the ends of cables **are not** available.

Ideal for use in:
- Communication Towers
- Elevator Shafts
- Shipping
- Buildings
- Utility Poles - Tele and Power
- Excavations
- Construction Sites
- Factories

SPLIT ROD CLOSING



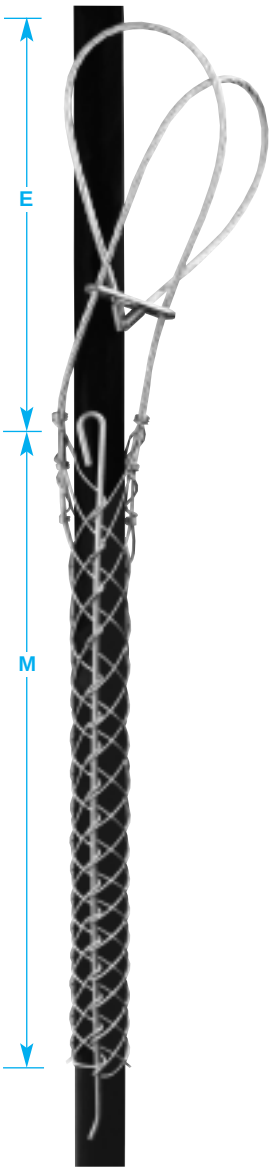


See pg. N-32 for installation instructions.

CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Consult Factory.

BRYANT

ECONOMY CABLE GRIPS
Support - Standard Duty, Split Rod Mesh
Single Offset Eye/Looped Bale



SPSR125L

Features - Specifications

- Single weave
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Adjusts to any position and eliminates risk of cable slipping due to loosely laced grip
- Rod closing facilitates easy grip closure
- Endless weave
- Strand equalizers position wires for equal loading
- CSA Certified File #LR701228

SPLIT ROD CLOSING GRIPS WITH SINGLE OFFSET EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPSR050SO	.50-.62 (1.27-1.57)	500 (2,724)	4 (10.16)	7 (17.78)
SPSR062SO	.63-.74 (1.60-1.88)	750 (3,336)	4 (10.16)	9 (22.86)
SPSR075SO	.75-.99 (1.90-2.51)	950 (4,226)	4 (10.16)	10 (25.40)
SPSR100SO	1.00-1.24 (2.54-3.15)	1500 (6,672)	5 (12.70)	12 (30.48)
SPSR125SO	1.25-1.49 (3.17-3.78)	1500 (6,672)	5 (12.70)	14 (35.56)
SPSR150SO	1.50-1.74 (3.81-4.42)	1500 (6,672)	5 (12.70)	15 (38.10)
SPSR175SO	1.75-1.99 (4.44-5.05)	2000 (8,896)	6 (15.24)	16 (40.64)
SPSR200SO	2.00-2.49 (5.08-6.32)	3100 (13,789)	6 (15.24)	19 (48.26)
SPSR250SO	2.50-2.99 (6.35-7.59)	3100 (13,789)	6 (15.24)	20 (50.80)
SPSR300SO	3.00-3.49 (7.62-8.86)	4300 (19,126)	9 (22.86)	21 (53.34)
SPSR350SO	3.50-3.99 (8.89-10.13)	4300 (19,126)	9 (22.86)	24 (60.96)

SPLIT ROD CLOSING GRIPS WITH LOOPED BALE

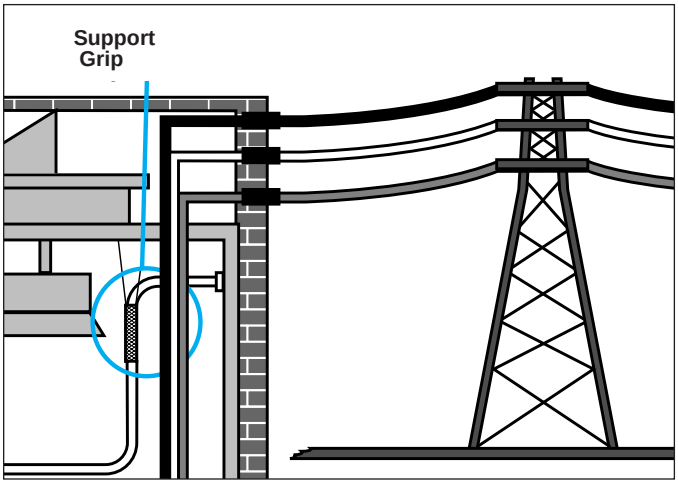
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E	INCHES (cm.) M
SPSR050L	.50-.62 (1.27-1.57)	790 (3,514)	18 (45.72)	8½ (21.59)
SPSR062L	.63-.74 (1.60-1.88)	790 (3,514)	18 (45.72)	8½ (21.59)
SPSR075L	.75-.99 (1.90-2.51)	1020 (4,537)	18 (45.72)	10½ (26.67)
SPSR100L	1.00-1.24 (2.54-3.15)	1610 (7,161)	18 (45.72)	12½ (31.75)
SPSR125L	1.25-1.49 (3.17-3.78)	1610 (7,161)	18 (45.72)	14½ (36.83)
SPSR150L	1.50-1.74 (3.81-4.42)	1610 (7,161)	18 (45.72)	15½ (39.37)
SPSR175L	1.75-1.99 (4.44-5.05)	2150 (9,563)	18 (45.72)	16½ (41.91)
SPSR200L	2.00-2.49 (5.08-6.32)	3260 (14,500)	18 (45.72)	19½ (49.53)
SPSR250L	2.50-2.99 (6.35-7.59)	3260 (14,500)	18 (45.72)	21½ (54.61)
SPSR300L	3.00-3.49 (7.62-8.86)	5750 (25,576)	18 (45.72)	23½ (59.69)
SPSR350L	3.50-3.99 (8.89-10.13)	5750 (25,576)	18 (45.72)	25½ (64.77)

Application:

Used for supporting vertical and horizontal runs of cable indoors and outdoors when the ends of cables **are not** available.

Ideal for use in:

- Communication Towers
- Elevator Shafts
- Shipping
- Buildings
- Utility Poles - Tele and Power
- Excavations
- Construction Sites
- Factories



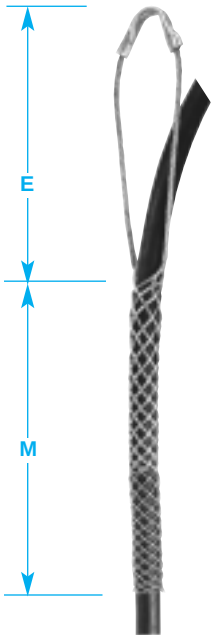
CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Consult Factory.

BRYANT

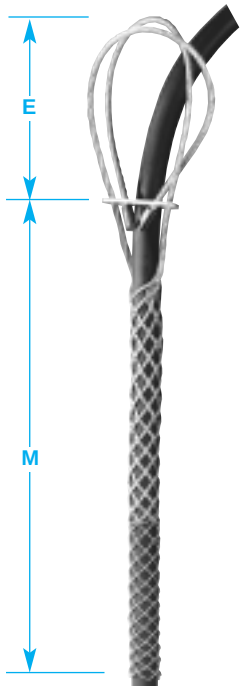
ECONOMY CABLE GRIPS

Support - Service Drop, Heavy-Duty

Single U Eye/Looped Bale



SPJ075UD



SPJ075LD

Features - Specifications

- Double weave variable mesh
- Tin-coated bronze for corrosion resistance
- Uniform gripping power
- Endless weave
- Strand equalizers position wires for equal loading
- CSA Certified File #LR701228

SERVICE DROP HEAVY-DUTY GRIPS WITH U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SPJ023UD	.23-.31 (.58-.79)	500 (2,224)	5 (12.70)	4½ (11.43)
SPJ029UD	.29-.37 (.74-.94)	500 (2,224)	5 (12.70)	5½ (13.97)
SPJ035UD	.35-.44 (.89-1.12)	870 (3,870)	6 (15.24)	6½ (16.51)
SPJ041UD	.41-.50 (1.04-1.27)	870 (3,870)	6 (15.24)	7½ (19.05)
SPJ046UD	.46-.56 (1.17-1.42)	1050 (4,670)	6 (15.24)	8 (20.32)
SPJ052UD	.52-.62 (1.32-1.57)	1050 (4,670)	7 (17.78)	8½ (21.59)
SPJ058UD	.58-.68 (1.47-1.73)	1050 (4,670)	7 (17.78)	9½ (24.13)
SPJ064UD	.64-.75 (1.63-1.90)	1390 (6,183)	7 (17.78)	9½ (24.13)
SPJ075UD	.75-.87 (1.90-2.21)	1390 (6,183)	8 (20.32)	10½ (26.67)
SPJ087UD	.87-1.00 (2.21-2.54)	1790 (7,962)	8 (20.32)	11½ (29.21)
SPJ100UD	1.00-1.18 (2.54-3.00)	1790 (7,962)	9 (22.86)	13½ (34.29)
SPJ106UD	1.06-1.25 (2.69-3.17)	1790 (7,962)	9 (22.86)	14½ (36.83)

SERVICE DROP HEAVY-DUTY GRIPS WITH LOOPED BALE

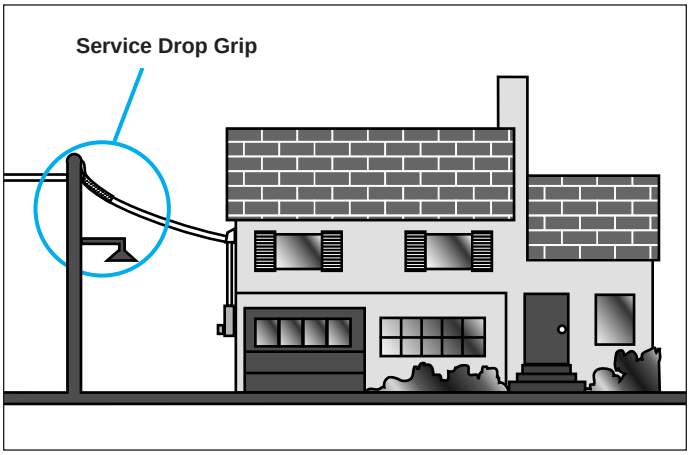
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SPJ023LD	.23-.31 (.58-.79)	500 (2,224)	11 (27.94)	4½ (11.43)
SPJ029LD	.29-.37 (.74-.94)	500 (2,224)	11 (27.94)	5½ (13.97)
SPJ035LD	.35-.44 (.89-1.12)	870 (3,870)	12 (30.48)	6½ (16.51)
SPJ041LD	.41-.50 (1.04-1.27)	870 (3,870)	12 (30.48)	7½ (19.05)
SPJ046LD	.46-.56 (1.17-1.42)	1050 (4,670)	12 (30.48)	8 (20.32)
SPJ052LD	.52-.62 (1.32-1.57)	1050 (4,670)	13 (33.02)	8½ (21.59)
SPJ058LD	.58-.68 (1.47-1.73)	1050 (4,670)	13 (33.02)	9½ (24.13)
SPJ064LD	.64-.75 (1.63-1.90)	1390 (6,183)	13 (33.02)	9½ (24.13)
SPJ075LD	.75-.87 (1.90-2.21)	1390 (6,183)	14 (35.56)	10½ (26.67)
SPJ087LD	.87-1.00 (2.21-2.54)	1790 (7,962)	14 (35.56)	11½ (29.21)
SPJ100LD	1.00-1.18 (2.54-3.00)	1790 (7,962)	15 (36.10)	13½ (34.29)
SPJ106LD	1.06-1.25 (2.69-3.17)	1790 (7,962)	15 (36.10)	14½ (36.83)

Application:

For heavy-duty support of all types of suspended service cables in indoor or outdoor minimum abuse environments.

Ideal For Use In:

- Factories
- Construction Sites
- Towers
- Utility Drops
- Buildings
- Transportation Power Systems
- Elevator Shafts
- Residential



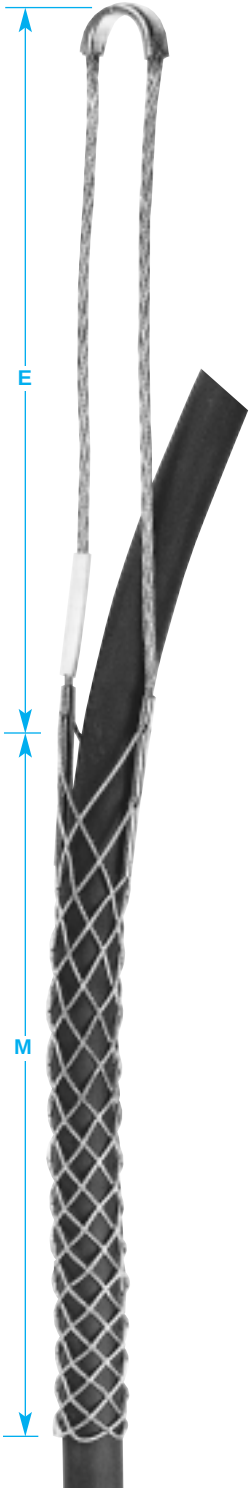
CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

Note: Stainless steel support grips are available upon request. Consult Factory.

ECONOMY CABLE GRIPS

Support - Service Drop, Light-Duty

Single U Eye/Looped Bale



SPJ075U

Features - Specifications

- Single weave variable mesh
- Tin-coated bronze for corrosion resistance
- Uniform gripping power
- Endless weave
- Strand equalizers position wires for equal loading
- CSA Certified File #LR701228

SERVICE DROP GRIPS WITH U EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SPJ023U	.23-.31 (.58-.79)	290 (1,290)	3 (7.62)	3¾ (9.52)
SPJ029U	.29-.37 (.74-.94)	290 (1,290)	4 (10.16)	4¼ (10.79)
SPJ035U	.35-.44 (.89-1.12)	500 (2,224)	4 (10.16)	4¾ (12.06)
SPJ041U	.41-.50 (1.04-1.27)	500 (2,224)	5 (12.70)	5 (12.70)
SPJ046U	.46-.56 (1.17-1.42)	660 (2,936)	6 (15.24)	5¼ (13.33)
SPJ052U	.52-.62 (1.32-1.57)	790 (3,514)	7 (17.78)	6¼ (17.87)
SPJ058U	.58-.68 (1.47-1.73)	790 (3,514)	7 (17.78)	6½ (16.51)
SPJ064U	.64-.75 (1.63-1.90)	790 (3,514)	7 (17.78)	6¾ (17.14)
SPJ075U	.75-.87 (1.90-2.21)	1020 (4,537)	8 (20.32)	8 (20.32)
SPJ087U	.87-1.00 (2.21-2.54)	1020 (4,537)	8 (20.32)	8¾ (22.22)
SPJ100U	1.00-1.18 (2.54-3.00)	1020 (4,537)	9 (22.86)	9½ (24.13)
SPJ106U	1.06-1.25 (2.69-3.17)	1020 (4,537)	9 (22.86)	9½ (24.13)

SERVICE DROP GRIPS WITH LOOPED BALE

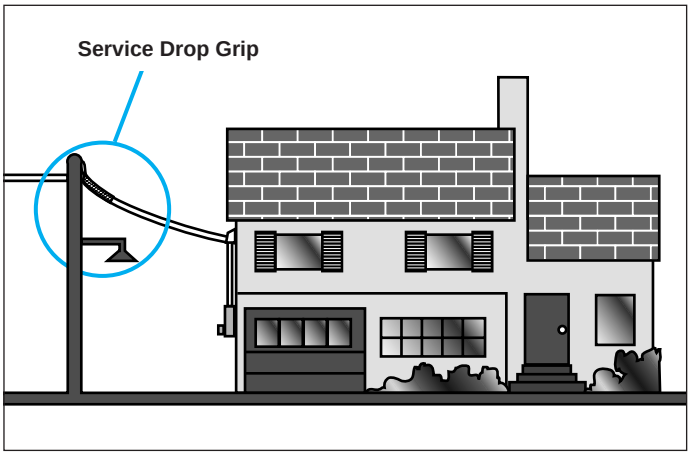
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SPJ023L	.23-.31 (.58-.79)	290 (1,290)	9 (22.86)	3¾ (9.52)
SPJ029L	.29-.37 (.74-.94)	290 (1,290)	10 (25.40)	4¼ (10.79)
SPJ035L	.35-.44 (.89-1.12)	500 (2,224)	10 (25.40)	4¼ (12.06)
SPJ041L	.41-.50 (1.04-1.27)	500 (2,224)	11 (27.94)	5 (12.70)
SPJ046L	.46-.56 (1.17-1.42)	660 (2,936)	12 (30.48)	5¼ (13.33)
SPJ052L	.52-.62 (1.32-1.57)	790 (3,514)	13 (33.02)	6¼ (17.87)
SPJ058L	.58-.68 (1.47-1.73)	790 (3,514)	13 (33.02)	6½ (16.51)
SPJ064L	.64-.75 (1.63-1.90)	790 (3,514)	13 (33.02)	6¾ (17.14)
SPJ075L	.75-.87 (1.90-2.21)	1020 (4,537)	14 (35.56)	8 (20.32)
SPJ087L	.87-1.00 (2.21-2.54)	1020 (4,537)	14 (35.56)	8¾ (22.22)
SPJ100L	1.00-1.18 (2.54-3.00)	1020 (4,537)	15 (38.10)	9½ (24.13)
SPJ106L	1.06-1.25 (2.69-3.17)	1020 (4,537)	15 (38.10)	9½ (24.13)

Application:

For light-duty support of all types of suspended service cables in indoor or outdoor minimum abuse environments.

Ideal For Use In:

- Factories
- Construction Sites
- Towers
- Utility Drops
- Buildings
- Transportation Power Systems
- Elevator Shafts
- Residential



CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

Note: Stainless steel support grips are available upon request. Consult Factory.

Hooked ends available upon request. Consult Factory.

BRYANT

ECONOMY CABLE GRIPS
Support - Conduit Riser
Ring Type Closed Mesh

CC125R3

Features - Specifications
- Single weave
- Tin-coated bronze for added corrosion resistance
- Uniform gripping power
- Provides permanent support when cable end is available to be installed through the grip
- Fast and easy installation
- Will not damage electrical cable
- Helps prevent cable pullout
- Rings designed to fit schedule 40 standard rigid conduit
- CSA Certified File #LR701228

Suitable for schedule 40 conduit only

CONDUIT RISER GRIPS, CLOSED MESH

CABLE SIZES IN. (cm.)	.50-.62 (1.27-1.57)	.63-.74 (1.60-1.88)	.75-.99 (1.90-2.51)	1.00-1.24 (2.54-3.15)	1.25-1.49 (3.17-3.78)	1.50-1.74 (3.81-4.42)
LENGTHS IN. (cm.)	8 (20.32)	9 (22.86)	11 (27.94)	12 (30.48)	12 (30.48)	14 (35.56)
CONDUIT SIZES IN.	CATALOG NUMBERS APPROX. BREAKING STRENGTH LBS (N)					
¾	CC050R34 530 (2,357)					
1	CC050R1 490 (2,179)	CC062R1 790 (3,514)				
1¼	CC050R114 450 (2,002)	CC062R114 740 (3,292)	CC075R114 1,030 (4,581)			
1½	CC050R112① 410 (1,824)	CC062R112 690 (3,069)	CC075R112 970 (4,315)	CC100R112 1,610 (7,161)		
2	CC050R2 370 (1,645)	CC062R2 640 (2,847)	CC075R2 920 (4,092)	CC100R2 1,520 (6,761)	CC125R2 1,610 (7,161)	
2½	CC050R212① 330 (1,468)	CC062R212① 590 (2,624)	CC075R212① 870 (3,870)	CC100R212 1,430 (6,361)	CC125R212 1,510 (6,716)	CC150R212 1,610 (7,161)
3	CC050R3① 290 (1,290)	CC062R3① 530 (2,357)	CC075R3 820 (3,647)	CC100R3 1,340 (5,960)	CC125R3 1,400 (6,227)	CC150R3 1,490 (6,627)
3½		CC062R312 480 (2,135)	CC075R312 770 (3,425)		CC125R312① 1,300 (5,782)	CC150R312① 1,370 (6,084)
4			CC075R4 720 (3,203)	CC100R4 1,160 (5,160)	CC125R4 1,190 (5,293)	CC150R4① 1,250 (5,560)

CABLE SIZES IN. (cm.)	1.75-1.99 (4.44-5.05)	2.00-2.49 (5.08-6.32)	2.50-2.99 (6.35-7.59)	3.00-3.49 (7.62-8.86)	3.50-3.99 (8.89-10.13)
LENGTHS IN. (cm.)	15 (38.10)	17 (43.18)	18 (45.12)	20 (50.80)	21 (53.34)
CONDUIT SIZES IN.	CATALOG NUMBERS APPROX. BREAKING STRENGTH LBS (N)				
2½	CC175R212 2,150 (9,563)				
3	CC175R3 1,990 (8,851)	CC200R3 3,260 (14,500)			
3½	CC175R312① 1,830 (8,140)	CC200R312 2,970 (13,211)	CC250R312 3,260 (14,500)		
4	CC175R4 1670 (7,248)	CC200R4 2,680 (11,921)	CC250R4 2,890 (12,855)	CC300R4 4,080 (18,148)	
4½			CC250R412 2,520 (11,208)	CC300R412 3,470 (15,434)	CC350R412① 4,080 (8,228)
5	CC175R5① 1,340 (5,960)	CC200R5① 2,090 (9,296)	CC250R5 2,150 (9,563)	CC300R5 2,860 (12,721)	CC350R5 3,130 (13,922)
6		CC200R6① 1,795 (7,984)	CC250R6① 1,795 (7,984)	CC300R6 2,245 (9,986)	CC350R6 2,245 (9,986)

Application:
Supports vertical or sloping cable in schedule 40 standard rigid conduit. Prevents sagging lines and strain on terminals by dissipating gravity pull to support rim of the conduit.

Ideal For Use In:
- Building and Pole Risers
- Underground Cable Lines
- Where Ring Termination Is Practical

CABLE GRIP STANDARDS
Bryant Economy Cable Grips meet the following standards:
NEC 300-19 Support of conductors in vertical raceways

①To be discontinued when supplies are exhausted.
CAUTION: Never use grips to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Consult factory.

ECONOMY CABLE GRIPS

Support - Conduit Riser

Ring Type, Split Mesh, Lace Closing

CSD125L3

Features - Specifications

- Double weave for extra strength
- Tin-coated bronze for extra corrosion resistance
- Uniform gripping power
- Lace closing for easy cable closure
- Helps prevent cable pullout
- Fast and easy installation
- Will not damage electrical cable
- Rings designed to fit schedule 40 standard rigid conduit
- CSA Certified File #LR701228

Suitable for schedule 40 conduit only

CONDUIT RISER GRIPS, SPLIT LACE MESH

CABLE SIZES IN.(cm.)	.75-.99 (1.90-2.51)	1.00-1.24 (2.54-3.15)	1.25-1.49 (3.17-3.78)	1.50-1.74 (3.81-4.42)	1.75-1.99 (4.44-5.05)
LENGTHS IN.(cm.)	11 (27.94)	12 (30.48)	13 (33.02)	14 (35.56)	15 (38.10)
CONDUIT SIZES IN.	CATALOG NUMBERS APPROX. BREAKING STRENGTH LBS (N)				
1¼	CSD075L114 1,580 (7,028)				
1½	CSD075L112 1,500 (6,672)	CSD100L112 2,040 (9,074)			
2	CSD075L2 1,430 (6,361)	CSD100L2 1,930 (8,585)	CSD125L2 2,040 (9,074)		
2½	CSD075L212 1,350 (6,005)	CSD100L212 1,810 (8,051)	CSD125L212 1,910 (8,496)	CSD150L212 2,040 (9,074)	CSD175L212 2,730 (12,143)
3	CSD075L3① 1,270 (5,649)	CSD100L3① 1,700 (7,562)	CSD125L3 1,780 (7,917)	CSD150L3 1,890 (8,407)	CSD175L3 2,520 (11,209)
3½					
4	CSD075L4① 1,110 (4,937)	CSD100L4① 1,470 (6,538)	CSD125L4① 1,510 (6,716)	CSD150L4 1,580 (7,028)	CSD175L4 2,110 (9,385)

CABLE SIZES IN.(cm.)	2.00-2.49 (5.08-6.32)	2.50-2.99 (6.35-7.59)	3.00-3.49 (7.62-8.86)	3.50-3.99 (8.89-10.13)
LENGTHS IN.(cm.)	16 (40.64)	18 (45.72)	19 (48.26)	21 (53.34)
CONDUIT SIZES IN.	CATALOG NUMBERS APPROX. BREAKING STRENGTH LBS (N)			
3	CSD200L3 4,300 (19,126)			
3½	CSD200L312 3,910 (17,392)	CSD250312 4,300 (19,126)		
4	CSD200L4 3,530 (15,701)	CSD250L4 3,840 (16,991)	CSD300L4 5,380 (23,930)	
4½				
5		CSD250L5 2,860 (12,721)	CSD300L5 3,760 (16,724)	CSD350L5 4,170 (18,548)
6		CSD250L6 2,365 (10,519)	CSD300L6 2,955 (13,144)	CSD350L6 2,955 (13,144)

Application:

Supports vertical or sloping cable in schedule 40 standard rigid conduit. Prevents sagging lines and strain on terminals by dissipating gravity pull to support rim of the conduit.

Ideal for Use In:

- Building and Pole Risers
- Underground Cable Lines
- Where Ring Termination Is Practical

CABLE GRIP STANDARDS

Bryant Economy Cable Grips meet the following standards:

NEC 300-19 Support of conductors in vertical raceways

①To be discontinued when supplies are exhausted.

CAUTION: Never use grips to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

Note: Stainless steel support grips are available upon request. Consult factory.

See pg. N-32 for lace closing instructions.

BRYANT

ECONOMY CABLE GRIPS
Support - Conduit Riser
Ring Type, Split Mesh, Rod Closing

CSR125R3

Features - Specifications

- Single weave split mesh for use when cable end is not available
- Tin-coated bronze for added corrosion resistance
- Fast and easy installation
- Will not damage electrical cable
- Allows cable to expand or contract
- Helps prevent cable pullout
- Rings designed to fit schedule 40 standard rigid conduit
- CSA Certified File #LR701228

Suitable for schedule 40 conduit only

CONDUIT RISER GRIPS, SPLIT ROD

CABLE SIZES IN. (cm.)	.75-.99 (1.90-2.51)	1.00-1.24 (2.54-3.15)	1.25-1.49 (3.17—3.78)	1.50-1.74 (3.81-4.42)	1.75-1.99 (4.44-5.05)
LENGTHS IN. (cm.)	11 (27.94)	12 (30.48)	13 (33.02)	14 (35.56)	15 (38.10)
CONDUIT SIZES IN.	CATALOG NUMBERS APPROX. BREAKING STRENGTH LBS (N)				
1¼	CSR075R114 1,020 (4,537)				
1½	CSR075R112 970 (4,315))	CSR100R112 1,610 (7,161)			
2	CSR075R2① 920 (4,092)	CSR100R2 1,520 (6,761)	CSR125R2 1,610 (7,161)		
2½	CSR075R212① 870 (3,869)	CSR100R212 1,430 (6,361))	CSR125R212 1,510 (6,716)	CSR150R212 1,610 (7,161)	CSR175R212① 2,150 (9,563)
3	CSR075R3 820 (3,642)	CSR100R3① 1,340 (5,960)	CSR125R3 1,400 (6,227)	CSR150R3 1,490 (6,627)	CSR175R3① 1,990 (8,851)
3½	CSR075R312 770 (3,425)				
4	CSR075R4① 720 (3,203)	CSR100R4① 1,160 (5,160)	CSR125R4① 1,190 (5,293)	CSR150R4① 1,250 (5,560)	CSR175R4① 1,670 (7,428)

CABLE SIZES IN. (cm.)	2.00-2.49 (5.08-6.32)	2.50-2.99 (6.35-7.59)	3.00-3.49 (7.62-8.86)	3.50-3.99 (8.89-10.13)
LENGTHS IN. (cm.)	16 (40.64)	18 (45.72)	19 (48.26)	21 (53.34)
CONDUIT SIZES IN.	CATALOG NUMBERS APPROX. BREAKING STRENGTH LBS (N)			
3	CSR200R3 3,260 (14,500)			
3½	CSR200R312 2,970 (13,211)	CSR250R312 3,260 (14,500)		
4	CSR200R4 2,680 (13,255)	CSR250R4 2,890 (17,855)	CSR300R4① 4,080 (18,148)	
4½				
5		CSR250R5① 2,170 (9,652)	CSR300R5① 2,860 (12,721)	CSR350R5① 3,130 (13,922)
6		CSR250R6① 1,795 (7,984)	CSR300R6① 2,245 (9,985)	CSR350R6① 2,245 (9.985)

Application:

Supports vertical or sloping standard rigid cable in conduit. Prevents sagging lines and strain on terminals by dissipating gravity pull to support rim of the conduit.

Ideal For Use In:

- Building and Pole Risers
- Underground Cable Lines
- Where Ring Termination Is Practical

CABLE GRIP STANDARDS

Bryant Economy Cable Grips meet the following standards:
NEC 300-19 Support of conductors in vertical raceways

①To be discontinued when supplies are exhausted.
CAUTION: Never use grips to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Stainless steel support grips are available upon request. Consult factory.
See pg. N-32 for rod closing instructions.

ECONOMY CABLE GRIPS

Pulling - Heavy-Duty

Revolving Eye

PHS150

Features - Specifications

- Double weave variable mesh for greater strength and gripping power
- High strength galvanized steel
- Easily mates with swivel and link type connectors due to forged eye design
- Functional, dependable for rugged service
- Easily installed, safely adjusted, quickly removed
- Available in a variety of lengths and sizes
- CSA Certified File #LR701228

HEAVY-DUTY GRIPS WITH REVOLVING EYE①

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.) M	ROTATING EYE DIAM. INCHES (cm.)
PHS050	.50-.61 (1.27-1.55)	5,600 (24,909)	5 (12.70) 16 (40.64)	⅞ (2.22)
PHS062	.62-.74 (1.57-1.88)	6,800 (30,246)	5 (12.70) 16 (40.64)	⅞ (2.22)
PHS075	.75-.99 (1.90-2.51)	9,600 (42,700)	6 (15.24) 32 (81.28)	1 (2.54)
PHS100	1.00-1.49 (2.54-3.78)	16,400 (72,947)	7 (17.78) 33 (83.82)	1⅜ (3.49)
PHS150	1.50-1.99 (3.81-5.05)	16,400 (72,947)	7 (17.78) 34 (86.36)	1⅜ (3.49)
PHS200	2.00-2.49 (5.08-6.32)	27,200 (120,986)	9 (22.86) 36 (91.44)	1⅝ (4.13)
PHS250	2.50-2.99 (6.35-7.59)	33,000 (146,784)	10 (25.40) 38 (96.52)	1⅞ (4.76)
PHS300	3.00-3.49 (7.62-8.86)	41,000 (182,368)	10 (25.40) 39 (99.06)	1⅞ (4.76)
PHS350	3.50-3.99 (8.89-10.13)	48,000 (213,504)	10 (25.40) 41 (104.14)	1⅞ (4.76)
PHS400	4.00-4.49 (10.16-11.40)	48,000 (213,504)	10 (25.40) 42 (106.68)	1⅞ (4.76)
PHS450	4.50-4.99 (11.43-12.67)	48,000 (213,504)	10 (25.40) 58 (147.32)	1⅞ (4.76)
PHS500	5.00-5.99 (12.70-15.21)	48,000 (213,504)	10 (25.40) 60 (142.40)	1⅞ (4.76)
PHS600	6.00-6.99 (15.24-17.75)	48,000 (213,504)	10 (25.40) 66 (167.64)	1⅞ (4.76)

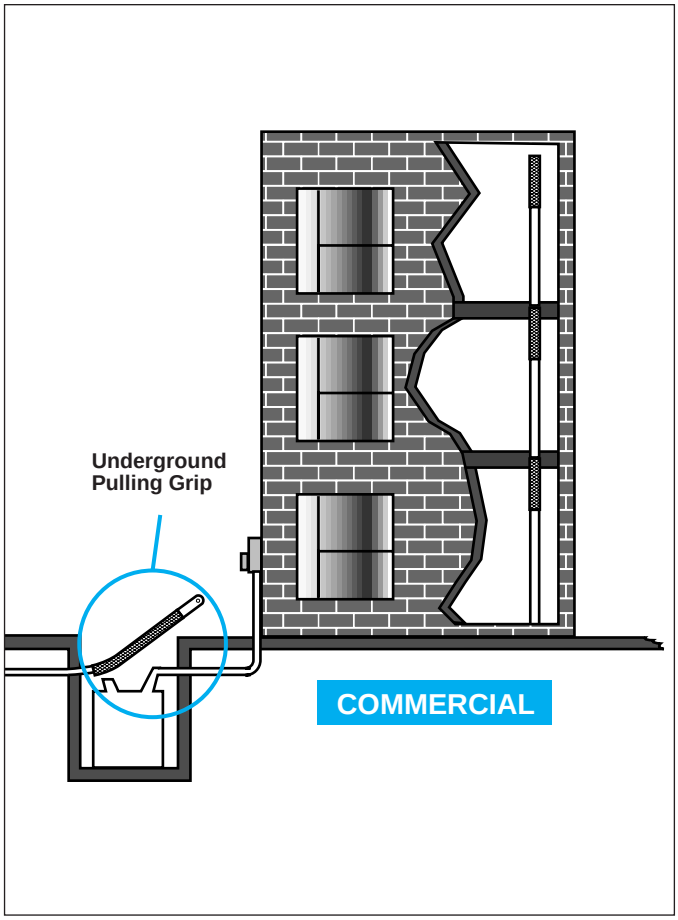
Application:

For use in pulling underground power cables, communication lines, and service lines.

Ideal For Use In:

- Utility Work
- Factory, Maintenance and Construction
- New Construction Sites

NOTE: Revolving eye is not a swivel and will not turn under tension: it can turn to relieve pulling torque when the tension is relaxed.

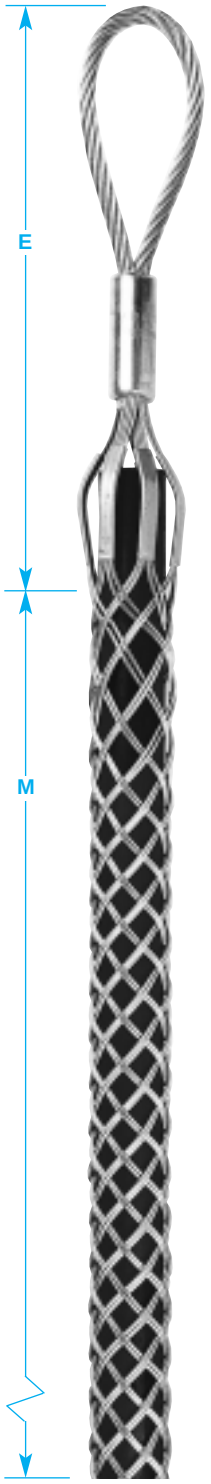


CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

① Eye revolves when pressure is released to reduce twisting and turning. If constant swivel action is required a swivel should be used.

BRYANT

ECONOMY CABLE GRIPS
Pulling - Heavy-Duty
Flexible Eye



PH150

Features - Specifications

- Double weave variable mesh for greater strength and gripping power
- High strength galvanized steel
- Eye attaches easily to swivel
- Longer-wearing, reinforced tubular metal shoulder protects cable ends
- Functional and dependable pulling tool
- Pulls one or several cables
- Reusable
- Follows line of pull without bending
- CSA Certified File #LR701228

HEAVY-DUTY GRIPS WITH FLEXIBLE EYE

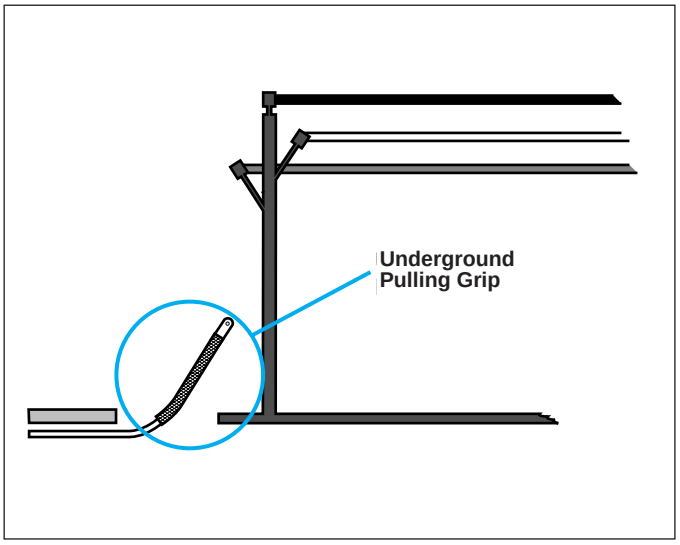
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
PH050	.50-.61 (1.27-1.55)	4,500 (20,016)	8 (20.32)	21 (53.34)
PH062	.62-.74 (1.57-1.88)	5,600 (24,909)	8 (20.32)	24 (60.96)
PH075	.75-.99 (1.90-2.51)	6,800 (30,246)	9 (22.86)	24 (60.96)
PH100	1.00-1.49 (2.54-3.78)	9,600 (42,701)	9 (22.86)	24 (60.96)
PH150	1.50 -1.99 (3.81-5.05)	16,400 (72,947)	11 (27.94)	24 (60.96)
PH200	2.00-2.49 (5.08-6.32)	18,500 (82,288)	12 (30.48)	24 (60.96)
PH250	2.50-2.99 (6.35-7.59)	24,500 (108,976)	12 (30.48)	24 (60.96)
PH300	3.00-3.49 (7.62-8.86)	24,500 (108,976)	14 (35.56)	24 (60.96)
PH350	3.50-3.99 (8.89-10.13)	31,000 (137,888)	14 (35.56)	26 (66.04)

Application:

For use in pulling underground power cables, communication lines, and service lines.

Ideal For Use In:

- Utility Work
- Factory, Maintenance and Construction
- New Construction Sites



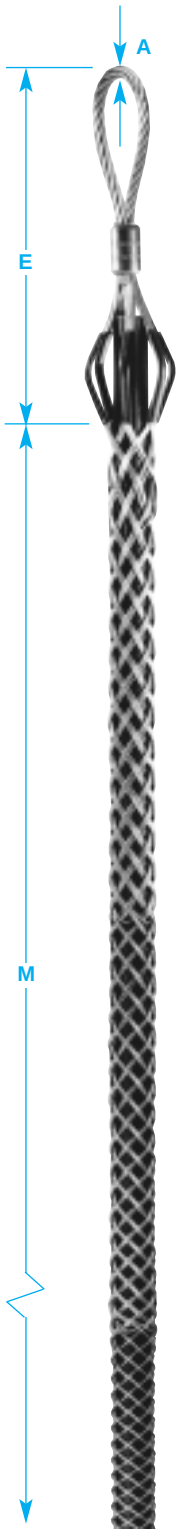
CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

BRYANT

ECONOMY CABLE GRIPS

Pulling - Heavy-Duty

Multiple Strength, Flexible Eye



MST125FE

Features - Specifications

- Triple weave for greater gripping power
- High strength galvanized steel
- Endless weave will not snag — lies flat on cable
- Longer-wearing, reinforced tubular metal shoulder protects cable ends
- Reusable
- Easily mates with swivel and link type connectors
- CSA Certified File #LR701228

MULTIPLE STRENGTH GRIPS WITH FLEXIBLE EYE

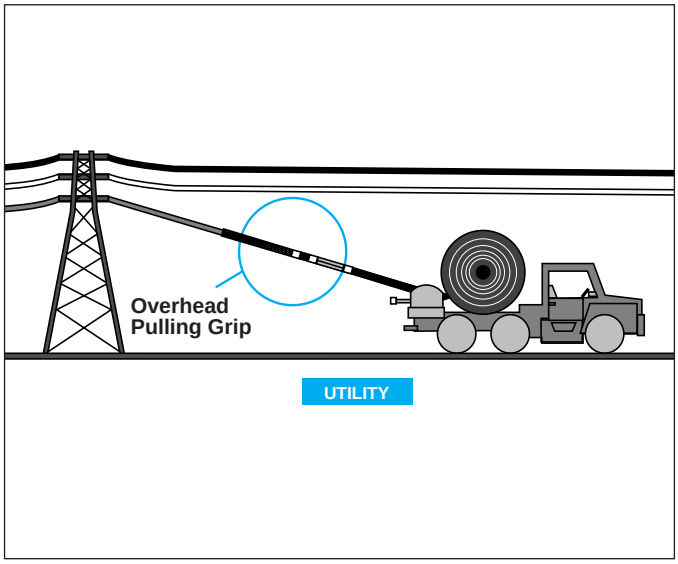
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.) M	EYE (A) DIAMETER
MST025FE	.25-.49 (.63-1.24)	6,800 (20,567)	9 (22.86) 26 (66.04)	¼ (.63)
MST050FE	.50-.74 (1.27-1.88)	10,000 (44,480)	9 (22.86) 32 (81.28)	5/16 (.79)
MST075FE	.75-.99 (1.90-2.51)	14,400 (64,051)	11 (27.94) 41 (104.14)	⅜ (.95)
MST100FE	1.00-1.24 (2.54-3.15)	24,600 (109,420)	12 (30.48) 52 (132.08)	½ (1.27)
MST125FE	1.25-1.49 (3.17-3.78)	30,600 (136,109)	12 (30.48) 56 (142.24)	½ (1.27)
MST150FE	1.50-1.74 (3.81-4.42)	30,600 (136,109)	18 (45.72) 60 (152.40)	½ (1.27)
MST175FE	1.75-1.99 (4.44-5.05)	48,000 (213,504)	18 (45.72) 70 (177.80)	⅝ (1.59)
MST200FE	2.00-2.49 (5.08-6.32)	48,000 (213,504)	18 (45.72) 50 (127.00)	⅝ (1.59)
MST250FE	2.50-2.99 (6.35-7.59)	48,000 (213,504)	18 (45.72) 52 (132.08)	⅝ (1.59)
MST300FE	3.00-3.49 (7.62-8.86)	48,000 (213,504)	18 (45.72) 54 (137.16)	⅝ (1.59)
MST350FE	3.50-3.99 (8.89-10.13)	48,000 (213,504)	18 (45.72) 58 (142.24)	⅝ (1.59)

Application:

For use in pulling ACSR, aluminum or copper bare conductor, ground wires, messenger strands, wire rope, and insulated cables.

Ideal For Use In:

- Overhead Transmission and Distribution Line Stringing
- Utility Work
- Attaching Conductors to Pulling Lines

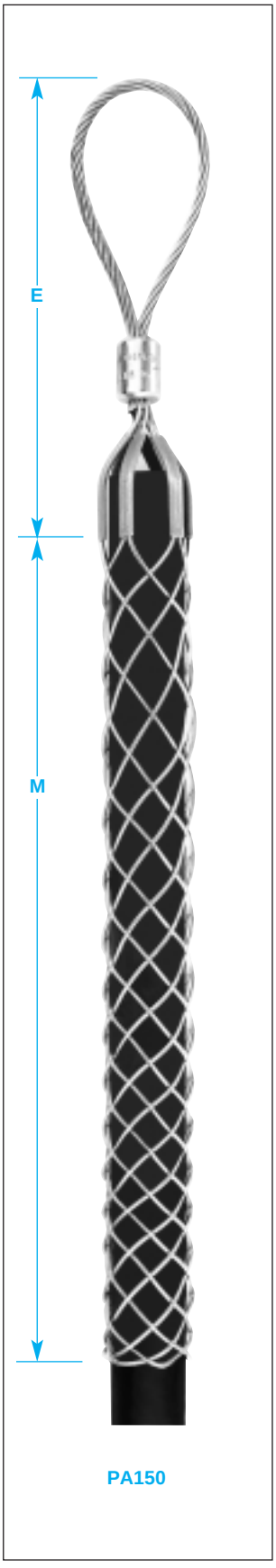


UTILITY

CAUTION: Never use grips to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Do not run grips or swivels over bullwheels while under tension. Use 2 bands firmly attached approximately 1" - 2" from grip's tail. Banding is necessary to guard against accidental release and provide maximum reliability.

BRYANT

ECONOMY CABLE GRIPS
Pulling - Light-Duty
Flexible Eye



PA150

Features - Specifications

- Single weave variable mesh provides uniform positive gripping power
- High strength galvanized steel
- Reusable
- Easily mates with swivel and link type connections
- Longer-wearing tubular metal shoulders protect cable ends
- Easily installed on cable
- CSA Certified File #LR701228

LIGHT-DUTY GRIPS WITH FLEXIBLE EYE

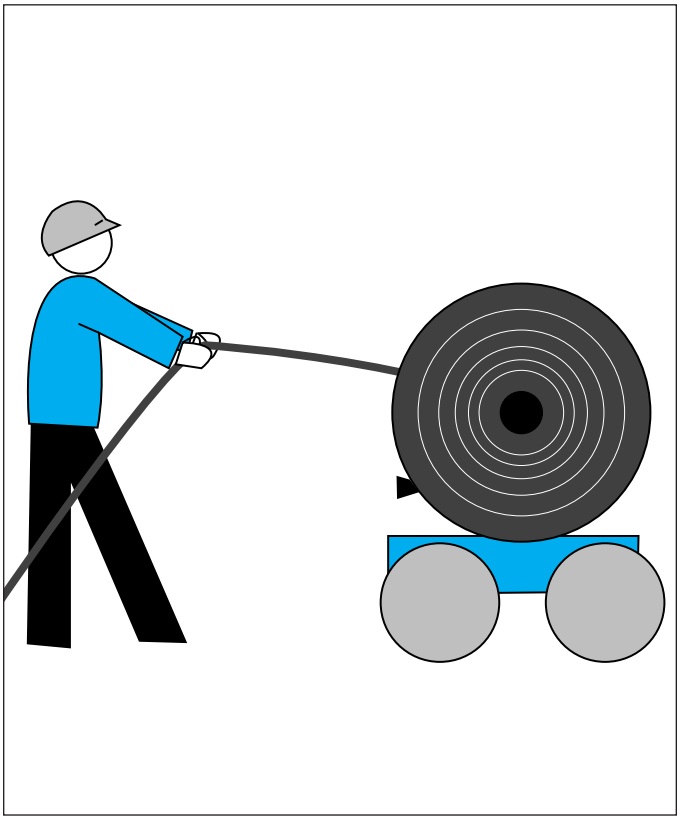
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
PA050	.50-.61 (1.27-1.55)	2,800 (12,454)	5 (12.70)	11 (27.94)
PA062	.62-.74 (1.57-1.88)	2,800 (12,454)	5 (12.70)	11 (27.94)
PA075	.75-.99 (1.90-2.51)	4,000 (17,794)	6 (15.24)	12 (30.48)
PA100	1.00-1.24 (2.54-3.15)	5,300 (23,574)	7 (17.78)	13 (33.02)
PA125	1.25-1.49 (3.17-3.78)	5,300 (23,574)	7 (17.78)	14 (45.56)
PA150	1.50 -1.74 (3.81-4.42)	6,800 (30,246)	8 (20.32)	15 (38.10)
PA175	1.75-1.99 (4.44-5.05)	8,500 (37,808)	9 (22.86)	17 (43.18)
PA200	2.00-2.49 (5.08-6.32)	8,500 (37,808)	9 (22.86)	18 (45.72)
PA250	2.50-2.99 (6.35-7.59)	10,600 (47,149)	9 (22.86)	27 (68.58)
PA300	3.00-3.49 (7.62-8.86)	14,700 (65,386)	10 (25.40)	30 (76.20)

Application:

For use in general underground electrical construction where pulling tensions are low.

Ideal For Use In:

- Utility Work
- Service Lines in Industrial and Commercial Buildings
- Light-Duty Underground Transmission Lines Stringing



CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

BRYANT

ECONOMY CABLE GRIPS

Pulling - Slack, Closed Mesh

Single Offset Eye

SCD100

Features - Specifications

- Double weave
- High strength galvanized steel
- Reusable
- Single offset eye for easy attachment to pull line
- Closed mesh for use when end of cable is available
- Easily mates to swivel and line type connectors
- CSA Certified File #LR701228

SLACK PULLING GRIPS WITH SINGLE OFFSET EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M
SCD075	.75-.99 (1.90-2.51)	2,600 (11,565)	7 (17.78)	12 (30.48)
SCD100	1.00-1.24 (2.54-3.15)	4,000 (17,792)	8 (20.32)	15 (38.10)
SCD125	1.25-1.49 (3.17-3.78)	5,400 (24,109)	8 (20.32)	16 (40.46)
SCD150	1.50-1.74 (3.81-4.42)	6,600 (29,357)	9 (22.86)	17 (43.18)
SCD175	1.75-1.99 (4.44-5.05)	10,000 (44,480)	10 (25.40)	18 (45.72)
SCD200	2.00-2.49 (5.08-6.32)	11,000 (48,928)	10 (25.40)	19 (48.26)
SCD250	2.50-2.99 (6.35-7.59)	11,000 (48,928)	10 (25.40)	20 (50.80)
SCD300	3.00-3.49 (7.62-8.86)	14,500 (64,496)	12 (30.48)	21 (53.34)
SCD350	3.50-3.99 (8.89-10.13)	14,500 (64,496)	12 (30.48)	22 (55.88)

Application:

For use in removing underground cable and for pulling slack after new cable has been laid.

Ideal For Use In:

- Utility Work
- New Construction
- Replacement of Underground Cable
- Factory Maintenance and Construction

KNOCKOUT HOLES (STRAIN RELIEF, DELUXE CORD & CONDUIT GRIPS)

N.P.T. HUB SIZE	KNOCKOUT HOLE RECOMMENDED MIN. TO MAX. INCHES	(mm)
¼"	.54-.57"	(13.7-14.5)
⅜"	.67-.70"	(17.0-17.8)
½"	.86-.91"	(21.8-23.0)
¾"	1.09-1.14"	(27.8-29.0)
1"	1.36-1.41"	(34.5-35.7)
1¼"	1.72-1.77"	(43.7-44.9)
1½"	1.97-2.02"	(50.0-51.2)
2"	2.45-2.50"	(62.3-63.5)
2½"	2.95-3.00"	(75.0-76.2)
3"	3.58-3.63"	(90.9-92.1)

CAUTION: Never use grips to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Split type grips are available in this series upon request. Consult factory.

BRYANT

ECONOMY CABLE GRIPS
Pulling - Slack, Split Rod
Single Offset Eye

SSR125

Features - Specifications

- Single weave split mesh for use when cable end is not available
- High strength galvanized steel
- Reusable
- Single offset eye for easy attachment to pulling line
- Mates with swivel or link type connectors
- Easily rod installed and removed
- CSA Certified File #LR701228

SLACK SPLIT ROD CLOSING GRIPS WITH SINGLE OFFSET EYE

CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M INCHES (cm.)
SSR050	.50-.61 (1.27-1.55)	1,500 (6,672)	7 (17.78)	6 (15.24)
SSR062	.62-.74 (1.57-1.88)	1,800 (8,006)	7 (17.78)	8 (20.32)
SSR075	.75-.99 (1.90-2.51)	2,200 (9,786)	7 (17.78)	10 (25.40)
SSR100	1.00-1.24 (2.54-3.15)	3,400 (15,123)	8 (20.32)	12 (30.48)
SSR125	1.25-1.49 (3.17-3.78)	4,500 (20,016)	8 (20.32)	14 (35.56)
SSR150	1.50-1.74 (3.81-4.42)	5,800 (25,798)	9 (22.86)	15 (38.10)
SSR175	1.75-1.99 (4.44-5.05)	7,600 (33,805)	10 (25.40)	16 (40.64)
SSR200	2.00-2.49 (5.08-6.32)	9,000 (40,032)	10 (25.40)	19 (48.26)
SSR250	2.50-2.99 (6.35-7.59)	11,000 (48,928)	10 (25.40)	20 (50.80)
SSR300	3.00-3.49 (7.62-8.86)	12,000 (53,376)	12 (30.48)	21 (53.34)
SSR350	3.50-3.99 (8.89-10.13)	12,000 (53,376)	12 (30.48)	24 (60.96)

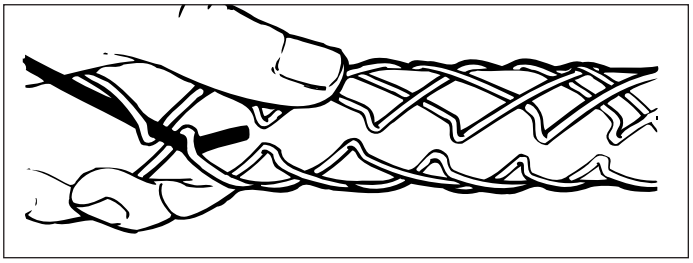
Application:

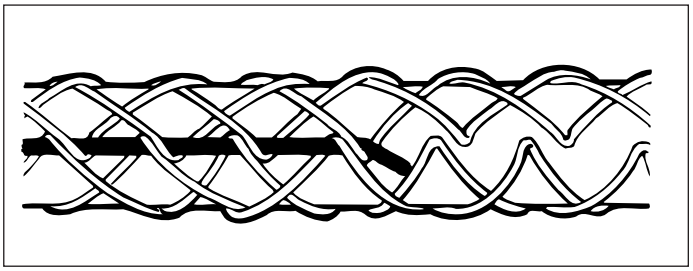
For use in pulling up slack where cable is in service and when ends of cable are not available.

Ideal for Use In:

- Utility Work
- New Construction
- Replacement of Underground Cable
- Factory Maintenance and Construction

SPLIT ROD CLOSING





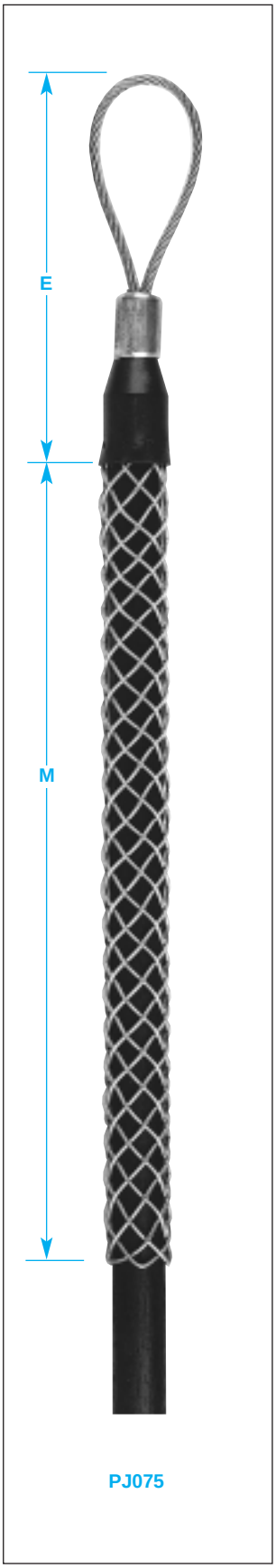
See pg. N-32 for installation instructions.

CAUTION: Never use grips to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

ECONOMY CABLE GRIPS

Pulling - Junior

Flexible Eye



PJ075

Features - Specifications

- Single weave variable mesh provides uniform positive grip power
- High strength galvanized steel
- Flexible eye easily attaches to pulling line snake or fish tape
- Reusable
- Pulls one or several cables
- Installs easily over building wire
- CSA Certified File #LR701228

JUNIOR GRIPS WITH FLEXIBLE EYE

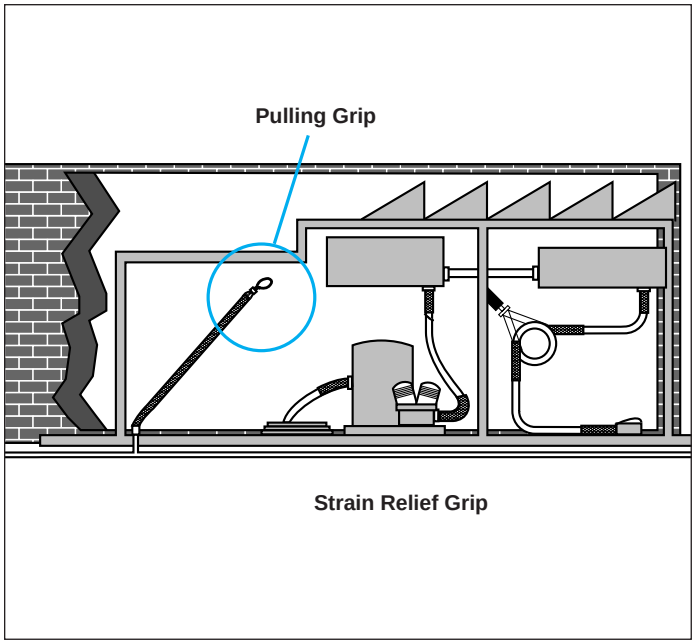
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	E INCHES (cm.)	M INCHES (cm.)
PJ019	.19-.24 (.48-.61)	400 (1,779)	3¼ (8.25)	4¼ (10.79)
PJ025	.25-.36 (.63-.91)	450 (2,002)	3¼ (8.25)	4¼ (10.79)
PJ037	.37-.49 (.94-1.24)	900 (4,003)	3¾ (9.52)	7 (17.78)
PJ050	.50-.61 (1.27-1.55)	1,300 (5,782)	4¼ (10.79)	8½ (21.59)
PJ062	.62-.74 (1.57-1.88)	1,950 (8,674)	5 (12.70)	10 (25.40)
PJ075	.75-.99 (1.90-2.51)	2,800 (12,454)	5¾ (14.60)	10 (25.40)
PJ100	1.00-1.24 (2.54-3.15)	3,900 (17,347)	6½ (16.51)	11½ (29.21)

Application:

For use in general underground electrical construction where pulling tensions are low.

Ideal For Use In:

- Utility Work
- Service Lines in Industrial and Commercial Buildings
- Light-Duty Underground Transmission Lines Stringing



CAUTION: Never use grip to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.

ECONOMY CABLE GRIPS
Pulling - Splicing
Flexible Tubes Wire Woven

FTD10024

Features - Specifications

- Double weave mesh construction
- High strength galvanized steel
- Easy installation and removal
- Reusable
- CSA Certified File #LR701228

FLEXIBLE TUBE GRIPS

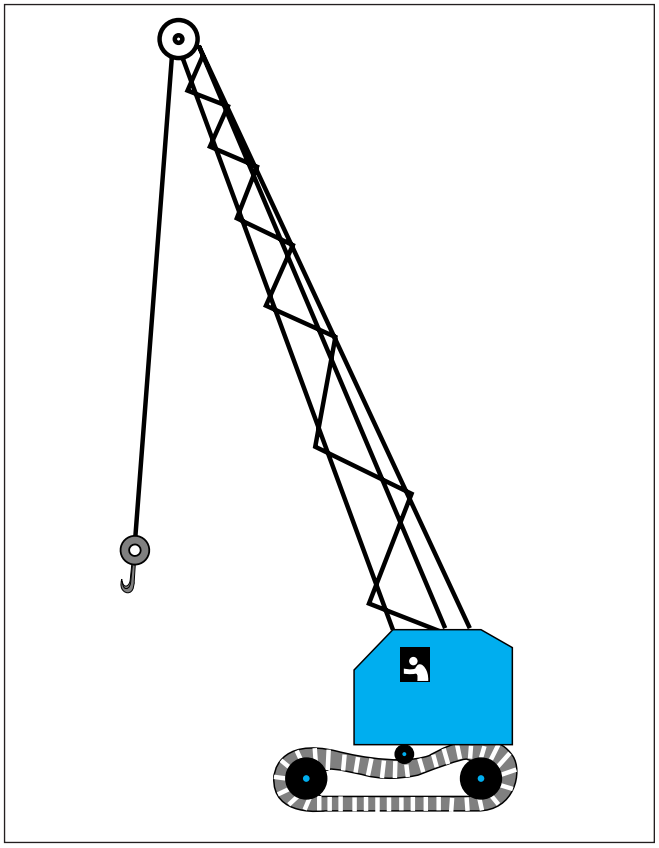
CATALOG NO.	CABLE DIAMETER RANGE INCHES (cm.)	APPROX. BREAKING STRENGTH LBS. (N)	MESH LENGTH INCHES (cm.)
FTD03718	.37-.49 (.94-1.24)	3,500 (15,568)	18 (45.72)
FTD05018	.50-.61 (1.27-1.55)	3,500 (15,568)	18 (45.72)
FTD05024	.50-.61 (1.27-1.55)	3,500 (15,568)	24 (60.96)
FTD06218	.62-.74 (1.57-1.88)	4,400 (19,571)	18 (45.72)
FTD06224	.62-.74 (1.57-1.88)	4,400 (19,571)	24 (60.96)
FTD06236	.62-.74 (1.57-1.88)	4,400 (19,571)	36 (91.44)
FTD07524	.75-.99 (1.90-2.51)	7,500 (33,360)	24 (60.96)
FTD07536	.75-.99 (1.90-2.51)	7,500 (33,360)	36 (91.44)
FTD07548	.75-.99 (1.90-2.51)	7,500 (33,360)	48 (121.92)
FTD07572	.75-.99 (1.90-2.51)	7,500 (33,360)	72 (182.88)
FTD10024	1.00-1.49 (2.54-3.78)	10,000 (44,480)	24 (60.96)
FTD10036	1.00-1.49 (2.54-3.78)	10,000 (44,480)	36 (91.44)
FTD10048	1.00-1.49 (2.54-3.78)	10,000 (44,480)	48 (121.92)
FTD10072	1.00-1.49 (2.54-3.78)	10,000 (44,480)	72 (182.88)
FTD15036	1.50-1.99 (3.81-5.05)	16,000 (71,169)	36 (91.44)
FTD15048	1.50-1.99 (3.81-5.05)	16,000 (71,169)	48 (121.92)
FTD15072	1.50-1.99 (3.81-5.05)	16,000 (71,169)	72 (182.88)

Application:

For use as a temporary splice for rope, cable, and wire rope. They can be used as cable reinforcement and to protect cables and hoses from abrasion. Used to replace old rope with new rope.

Ideal for Use In:

- Cranes
- Oil Derricks
- Elevators
- Drag Lines
- Hoists
- Factory Control Cables



CAUTION: Never use grips to approximate breaking strength. Refer to pg. N-31 for safety and working load factors.
Note: Each end of grip should be taped securely to the cable to prevent accidental release and insure smooth passage.

Technical Data

Working Load Factors for Cable Grips

There are many variables associated with the use of Cable Grips. Working load is an estimation on the factors including tension, cable diameter, number of cables gripped, and gripping surface, to mention a few. Safety factors associated in the product's use must be considered together with the effects of abrasion, corrosion, prior use and abuse and other variables specific to the application.

The appropriate breaking strength of Economy Cable Grip represents an average calculation based on data established from actual testing performed in our engineering laboratories. Under normal usage conditions, our recommended factor of safety is five for pulling grips and ten for support grips.

Any warranty as to quality, performance of fitness-for-use of the grips is always premised on the condition that the published strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

For use with materials other than the applications for which the grips have been specifically designed, consult the factory.

EXAMPLE

GRIP STYLE	CATALOG NUMBERS	APPROX. BREAKING STRENGTH (LBS.)	SAFETY FACTOR	MAX. RECOMMENDED LOAD (LBS.)
Pulling	PH5200	27,200	5	5,440
Support	SPS125U	1,610	10	161

The maximum recommended working load then is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

WIRE MESH GRIP MATERIALS

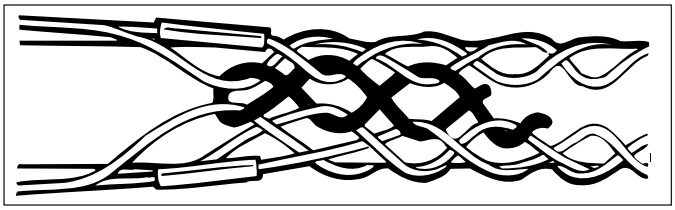
MATERIAL	FEATURES	PRODUCT GROUP
Galvanized Steel Wire	High strength Abrasion-resistant	Pulling Grips
	Not subjected to continuous outside environment	Wire Rope Grips
		Splicing Grips Bus Drop Grips Strain Relief Grips
Tin-Coated Bronze Wire	Corrosion-resistant for normal outside areas	Support Grips
	Non-magnetic	Service Drop Grips
	Moderate strength	Conduit Riser Grips
Stainless Steel wire (302-304)	High strength Abrasion-resistant	Deluxe Cord Grips
	Corrosion-resistant	Liquid-Tight, Flexible, Metal Conduit Grips
	Slightly magnetic	UL Type A Conduit Grips
		Support Grips
		Service Drop Grips
		Conduit Riser Grips
		Bus Drop Grips
		Connector Grips

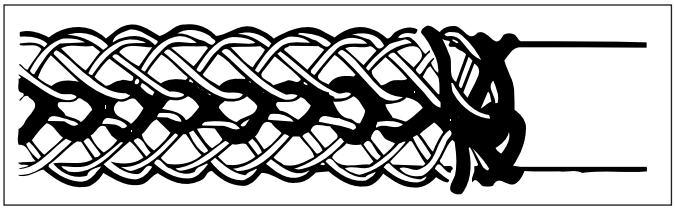
CABLE GRIP STANDARDS

Bryant Economy Cable Grips meet the following standards:

NEC 300-19	Support of conductors in vertical raceways
NEC 351-8	Liquid-tight flexible metal conduit support
NEC 400-7	Flexible cord installations
NEC 400-10	Strain relief at joints and terminals
NEC 501-4 (b)	Class I, Division 2, Tensile stress avoidance at termination fittings
NEC 502-4 (a)(b)	Class II, Division 1 and 2, Tensile stress avoidance at termination fittings
NEC 503-3 (a)	Class III, Division 1, Tensile stress avoidance at termination fittings
JIC H 13.11	Prevention of flexible hose failure

SPLIT GRIP LACING INSTRUCTIONS



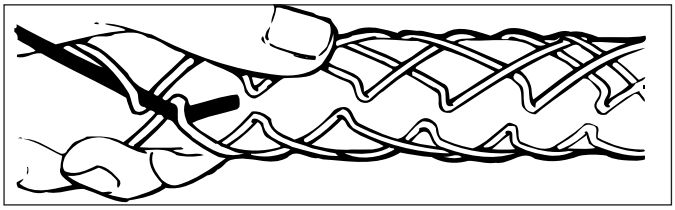


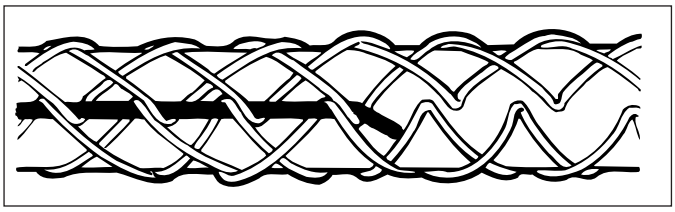
Split lace grips are designed for use when cable ends are unavailable. The grip is wrapped around the cable and then drawn closed with a wire lace. It is important that the wire lacing be the same type and gauge as supplied with the grip from the factory.

The following procedures should be used when installing the grip.

Bend the wire lace in the middle so both ends are even. Wrap grip around the cable. Starting at the first loop, thread each end of the wire lace through the first loop on each side of the split; pull both ends of the lace until they are even. Criss-cross laces and thread each end of the lace through the next loop, on opposite sides of the split. Continue doing the same for the full length of the split, pulling the lace after each loop so the space between both sides of the split is no greater than the spaces of the mesh. When end of split is reached, twist lacing tightly together. Wrap ends of lace around grip. Twist ends to secure. Only new laces should be used. A split grip is only as good as its lacing or closing of the split.

SPLIT ROD CLOSING INSTRUCTIONS





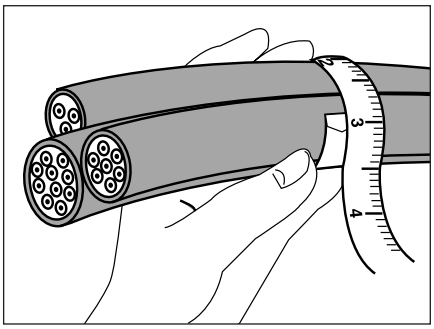
Split rod closing grips are used for pulling slack or providing support when ends of cable are not available. The built-in stainless steel rod makes threading fast and easy. The strands of mesh pass around the rod and match up with strands from the opposite direction. Since the rod does not touch the cable at any point it cannot cut the cable. Rod closing grips can be removed and reused as many times as desired.

The following procedures should be used when installing the grip.

Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops. This requires a simultaneous steady twist and push motion. The fingers of the left hand are used to bring the loops together just *ahead* of the hook on the end of the rod. To remove, simply pull out rod.

SELECTION TABLE FOR CABLES OF DIFFERENT DIAMETERS

How to choose the correct grip size:



1. Find the GRIP CIRCUMFERENCE RANGE by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
2. Scan down “GRIP CIRCUM. RANGE” column to find the correct range.
3. Refer to the left columns to find “GRIP DIAMETER RANGE” and “GRIP SIZE.”

EXAMPLE:

Three cables having a GRIP CIRCUMFERENCE RANGE of 4.35", look for 3.93-4.71 range and to left find GRIP DIAMETER RANGE of 1.24-1.49, GRIP SIZE 125.

GRIP SIZE	GRIP DIAMETER RANGE	GRIP CIRCUM. RANGE (in inches)
050	.50- .62	1.57-1.94
062	.63- .74	1.94-2.36
75	.75- .99	2.36-3.14
100	1.00-1.24	3.14-3.93
125	1.24-1.49	3.93-4.71
150	1.50-1.74	4.71-5.50
175	1.75-1.99	5.50-6.28
200	2.00-2.49	6.28-7.85
250	2.50-2.99	7.85-9.42
300	3.00-3.49	9.42-11.00
350	3.50-3.99	11.00-12.57
400	4.00-4.49	12.57-14.14
450	4.50-4.99	14.14-15.71

Technical Data

Multiple Cable Chart for Support, Pulling, and Riser Grips

SELECTION CHART FOR DETERMINING GRIP SIZE WHEN MORE THAN ONE CABLE IS HELD IN A SINGLE GRIP

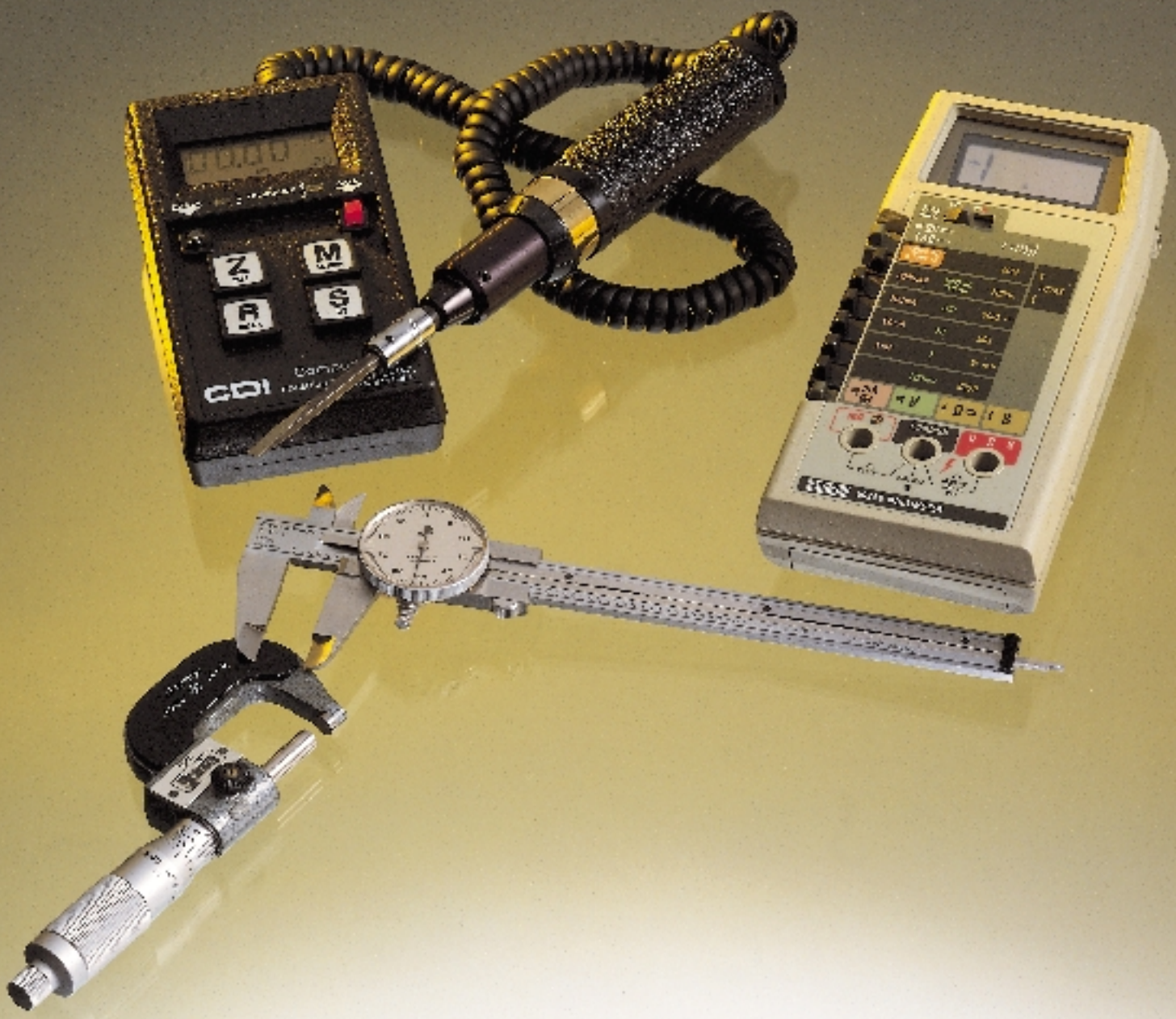
① Under "Number of Cables in One Grip," find diameter of your cables in vertical column. Read grip size and grip diameter range to the left.

② If your diameter is the maximum of the range shown, go to the next larger size for split grips or stay with the same size for closed grips.

③ **EXAMPLE:** 3 cables, each with .89 diameter; a closed grip would use a 150 grip size while a split grip would use a 175 grip size.

	GRIP SIZE	GRIP DIA. RANGE (cm.)	NUMBER OF CABLES IN ONE GRIP						
			2	3	4	5	6 AND 7	8	9
SUPPORT AND PULLING	50	.50-.61 (1.27-1.55)	.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.61)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)
	62	.62-.74 (1.57-1.88)	.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.56)	.18-.21 (.46-.53)
	75	.75-.99 (1.90-2.51)	.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)
	100	1.00-1.24 (2.54-3.15)	.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)
	125	1.25-1.49 (3.17-3.78)	.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)
	150	1.49-1.74 (3.81-4.42)	.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)
	175	1.75-1.99 (4.44-5.05)	1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)
	200	2.00-2.49 (5.08-6.32)	1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)
	250	2.50-2.99 (6.35-7.59)	1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)
	300	3.00-3.49 (7.62-8.86)	1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)
	350	3.50-3.99 (8.89-10.13)	2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)
	400	4.00-4.49 (10.16-11.40)	2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)
	450	4.50-4.99 (11.43-12.67)	2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)
CONDUIT	50	.50-.62 (1.27-1.57)	.29-.36 (.74-.91)	.24-.30 (.61-.76)	.21-.25 (.53-.63)	.18-.22 (.46-.56)	.16-.20 (.41-.51)	.15-.18 (.38-.46)	.14-.17 (.36-.43)
	62	.63-.74 (1.60-1.88)	.37-.43 (.94-1.09)	.31-.36 (.79-.91)	.26-.30 (.66-.76)	.23-.27 (.58-.69)	.21-.24 (.53-.61)	.19-.22 (.48-.56)	.18-.20 (.46-.51)
	75	.75-.99 (1.90-2.51)	.44-.58 (1.12-1.47)	37-.48 (.94-1.22)	.31-.41 (.79-1.04)	.28-.36 (.71-.91)	.25-.32 (.63-.81)	.23-.29 (.58-.74)	.21-.27 (.53-.69)
	100	1.00-1.24 (2.54-3.15)	.59-.72 (1.50-1.83)	.49-.60 (1.24-1.52)	.42-.51 (1.07-1.30)	.37-.45 (.94-1.14)	.33-.40 (.84-1.02)	.30-.36 (.76-.91)	.28-.34 (.71-.86)
	125	1.25-1.49 (3.17-3.78)	.73-.87 (1.85-2.21)	.61-.72 (1.55-1.83)	.52-.61 (1.32-1.55)	.46-.54 (1.17-1.37)	.41-.48 (1.04-1.22)	.37-.43 (.94-1.09)	.35-.40 (.89-1.02)
	150	1.50-1.74 (3.81-4.42)	.88-1.01 (2.24-2.57)	.73-.85 (1.85-2.16)	.62-.71 (1.57-1.80)	.55-.63 (1.40-1.60)	.49-.56 (1.24-1.42)	.44-.51 (1.12-1.30)	.41-.47 (1.04-1.19)
	175	1.75-1.99 (4.44-5.05)	1.02-1.16 (2.59-2.95)	.86-.96 (2.18-2.44)	.72-.81 (1.83-2.06)	.64-.72 (1.63-1.83)	.57-.64 (1.45-1.63)	.52-.58 (1.32-1.49)	.48-.54 (1.22-1.37)
	200	2.00-2.49 (5.08-6.32)	1.17-1.44 (2.97-3.66)	.97-1.20 (2.46-3.05)	.82-1.02 (2.08-2.59)	.73-.90 (1.85-2.29)	.65-.80 (1.65-2.03)	.59-.72 (1.50-1.83)	.55-.67 (1.40-1.70)
	250	2.50-2.99 (6.35-7.59)	1.45-1.73 (3.68-4.39)	1.21-1.45 (3.07-3.68)	1.03-1.22 (2.62-3.10)	.91-1.08 (2.31-2.74)	.81-.96 (2.06-2.44)	.73-.87 (1.85-2.21)	.68-.81 (1.73-2.06)
	300	3.00-3.49 (7.62-8.86)	1.74-2.02 (4.42-5.13)	1.46-1.69 (3.71-4.29)	1.23-1.43 (3.12-3.63)	1.09-1.26 (2.77-3.20)	.97-1.11 (2.46-2.82)	.83-1.01 (2.11-2.57)	.82-.94 (2.08-2.39)
	350	3.50-3.99 (8.89-10.13)	2.75-3.06 (5.16-5.87)	1.70-1.93 (4.32-4.90)	1.44-1.63 (3.66-4.14)	1.27-1.44 (3.23-3.66)	1.12-1.27 (2.84-3.23)	1.02-1.15 (2.59-2.92)	.95-1.08 (2.41-2.74)

Specifications are subject to change without notice.



Section O

TECHNICAL INFORMATION

Section O Index

TECHNICAL INFORMATION

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IN ACCORDANCE WITH NEMA① STANDARD WD-1

WD 1-1.01 CORD CONNECTOR
A cord connector is a portable receptacle which is provided with means for attachment to a flexible cord and which is not intended for permanent mounting. NEMA Standard 7-13-1967.

WD 1-1.02 GROUNDED CONDUCTOR (SYSTEM GROUND)
A grounded conductor is a circuit conductor (normally current carrying) which is intentionally connected to earth ground. (It is identified as the white conductor.) NEMA Standard 7-13-1967.

WD 1-1.03 GROUNDED CONDUCTOR (EQUIPMENT GROUND)
A grounding conductor is a conductor which connects noncurrent-carrying metal parts of equipment to earth ground to provide an intentional path for fault current to ground. (It is bare or, when covered, is identified as the green or green with yellow stripes conductor.)
NEMA Standard 7-13-1967.

WD 1-1.04 LAMPHOLDER
A lampholder is a device which is intended to support an electric lamp mechanically and to connect it electrically to a circuit.
NEMA Standard 7-13-1967.

WD 1-1.05 MALE BASE (INLET)
A male base is a plug which is intended for flush or surface mounting on an appliance or equipment and which serves to connect utilization equipment to a connector. NEMA Standard 7-13-1967.

WD 1.1.06 OUTLET
An outlet is a point on the wiring system at which current is taken to supply utilization equipment. NEMA Standard 7-13-1967.

WD 1-1.07 PLUG
A plug is a device with male blades which, when inserted into a receptacle, establishes connection between the conductors of the attached flexible cord and the conductors connected to the receptacle.
NEMA Standard 7-13-1967.

WD 1-1.08 POLARIZATION (PLUGS AND RECEPTACLES)
Polarization is a means of assuring the mating of plugs and receptacles of the same rating in only the correct position.
NEMA Standard 7-13-1967.

WD 1-1.09 POLE
The term "pole" as used in designating plugs and receptacles refers to a terminal to which a circuit conductor (normally current carrying) is connected.
In switches, the number of poles indicates the number of conductors being controlled. NEMA Standard 7-13-1967.

WD 1-1.10 RECEPTACLE
A receptacle is a device with female contacts which is primarily installed at an outlet or on equipment and which is intended to establish electrical connection with an inserted plug.
NEMA Standard 7-13-1967.

WD 1-1.11 SLANT SYMBOL (/)
The "slant" line (/) as used in wiring device ratings indicates that two or more voltage potentials are present simultaneously between different terminals of a wiring device. NEMA Standard 7-13-1967.

WD 1-1.12 SWITCH
A switch is a device for making, breaking, or changing the connections in an electric circuit.
A. Single-pole Switch (Single-pole Single-throw)
A switch which makes or breaks the connection of one conductor.
B. Double-pole Switch (Double-pole Single-throw)
A switch which makes or breaks the connection of two conductors of a single branch circuit.
C. Three-way Switch (Single-pole Double-throw)
A switch which changes the connection of one conductor and which is normally used in pairs to control one utilization equipment from two locations.
D. Four-way Switch (Double-pole Double-throw Reversing)
A form of double-pole switch which is used in conjunction with two three-way switches to control one utilization equipment from three or more locations. NEMA Standard 7-13-1967.

WD 1-1.13 TERMINAL (ON A WIRING DEVICE)
A terminal is a fixed location on a wiring device where a conductor is intended to be connected. NEMA Standard 7-13-1967.

WD 1-1.14 WIRE (PLUGS AND RECEPTACLES)
The term "wire" as used in designating plugs and receptacles indicates the number of either normally current-carrying or equipment grounding connected conductors. NEMA Standard 7-13-1967.

BRYANT WIRING DEVICES QUALIFIED UNDER FED. SPEC. W-C-596

GOV'T. DESIG. W-C-596/	BRYANT CATALOG NUMBER	GOV'T. DESIG. W-C-596/	BRYANT CATALOG NUMBER	GOV'T. DESIG. W-C-596/	BRYANT CATALOG NUMBER	GOV'T. DESIG. W-C-596/	BRYANT CATALOG NUMBER	GOV'T. DESIG. W-C-596/	BRYANT CATALOG NUMBER	GOV'T. DESIG. W-C-596/	BRYANT CATALOG NUMBER	GOV'T. DESIG. W-C-596/	BRYANT CATALOG NUMBER
11-1	5251-I	15-1	5661-RED	40-2	8300	64-1	5461-BLK	77-1	70630-FR	117-1	71430-NP	143-1	5369-NSY
11-1	5261-I	15-1	5661-W	40-2	5342	64-1	5461-CR	81-1	70620-FR	118-1	71430-NC	143-1	5369-NCR
11-1	8210-I	16-1	5642	40-2	5352	64-1	5461-GRY	82-1	70620-NP	119-1	71430-MB	143-1	8369-N
11-2	5251	16-1	5642-I	41-1	5351-I	64-1	5461-I	83-1	70620-NC	120-1	71420-FR	143-1	8369-T
11-2	5261	16-1	5642-RED	41-1	5361-I	64-1	5461-RED	84-1	70620-MB	121-1	71420-NP	145-1	8200-IG
11-2	8210	16-1	5662	41-2	5351	64-1	5461-W	85-1	70615-FR	122-1	71420-NC	145-1	8210-IG
12-1	5262-I	16-1	5662-BLK	41-2	5361	65-1	5462	90-1	70530-FR	123-1	71420-MB	148-1	FSL1-FR
12-1	5262-CR	16-1	5662-CR	41-3	8310-I	65-1	5462-BLK	91-1	70530-NP	124-1	71520-FR	149-1	FSL1-NP
12-1	5242-I	16-1	5662-GRY	41-3	8310	65-1	5462-CR	92-1	70530-NC	125-1	71520-NP	150-1	FSL1-NC
12-1	5252-I	16-1	5662-I	42-1	5366-N	65-1	5462-GRY	93-1	70530-MB	126-1	71520-NC	151-1	FSL2-FR
12-2	5262	16-1	5662-RED	42-1	5366-NSY	65-1	5462-I	94-1	70520-FR	127-1	71520-MB	152-1	FSL2-NP
12-2	5262-CR	17-1	5666-B	42-1	5366-NCR	65-1	5462-RED	95-1	70520-NP	128-1	71530-FR	153-1	FSL2-NC
12-2	5242	17-1	5666-N	42-1	5364-B	65-1	5462-W	96-1	70520-NC	129-1	71530-NP	154-1	FSL3-FR
12-2	5252	17-1	5666-NSY	42-1	8366-N	65-1	5442	97-1	70520-MB	130-1	71530-NC	155-1	FSL3-NP
12-3	8200-I	17-1	8666-TSP	42-1	8366-T	65-1	5442-BLK	98-1	4760	131-1	71530-MB	156-1	FSL3-NC
12-4	8200	17-2	8695-T	42-1	8366-TSP	65-1	5442-I	103-1	70730-FR	132-1	72130-FR	157-1	FSL4-FR
13-3	8266-TSP	18-1	5669-B	42-2	8395-T	65-1	5442-RED	104-1	70730-NP	133-1	72130-NP	158-1	FSL4-NP
13-3	8266-N	18-1	5669-N	43-1	71020-FR	66-1	5464-B	105-1	70730-NC	134-1	72130-NC	159-1	FSL4-NC
13-3	8266-T	18-1	5669-NSY	44-1	71020-NP	66-1	5466-N	106-1	70730-MB	135-1	72130-MB	212-1	GFR82FT-I
13-4	8295-T	40-1	5362-I	45-1	71020-NC	66-1	5466-NSY	107-1	70720-FR	136-1	72120-FR	212-2	GFR82FT
14-2	8269-N	40-1	8300-I	59-1	71820-FR	66-1	8466-TSP	108-1	70720-NP	137-1	72120-NP		
14-2	8269-T	40-1	5342-I	60-1	71820-NP	66-2	8495-T	109-1	70720-NC	138-1	72120-NC		
15-1	5661	40-1	5352-I	61-1	71820-NC	67-1	5469-B	110-1	70720-MB	139-1	72120-MB		
15-1	5661-GRY	40-2	5362	64-1	5451	67-1	5469-N	111-1	4710	143-1	5369-B		
15-1	5661-I	40-2	5362-CR	64-1	5461	67-1	5469-NSY	116-1	71430-FR	143-1	5369-N		

① National Electrical Manufacturers' Association

BRYANT

Architectural Symbols For Electrical Wiring Devices

In Accordance with ANSI① Standard Y32.9 - 1972

1. LIGHTING OUTLETS

Ceiling *Wall*

1.1 Surface or Pendant Incandescent, Mercury-Vapor, or Similar Lamp Fixture

1.2 Recessed Incandescent, Mercury-Vapor, or Similar Lamp Fixture

1.3 Surface or Pendant Individual Fluorescent Fixture

1.4 Recessed Individual Fluorescent Fixture

1.5 Surface or Pendant Continuous-Row Fluorescent Fixture

1.6 Recessed Continuous-Row Fluorescent Fixture

1.7 Bare-Lamp Fluorescent Strip

1.8 Surface or Pendant Exit Light

1.9 Recessed Exit Light

1.10 Blanked Outlet

1.11 Junction Box

1.12 Outlet Controlled by Low-Voltage Switching When Relay Is Installed in Outlet Box

2. RECEPTACLE OUTLETS

Grounded *Ungrounded*

2.1 Single Receptacle Outlet

2.2 Duplex Receptacle Outlet

2.3 Triplex Receptacle Outlet

2.4 Quadruplex Receptacle Outlet

2.5 Duplex Receptacle Outlet - Split Wired

2.6 Triplex Receptacle Outlet - Split Wired

2.7 Single Special-Purpose Receptacle Outlet

2.8 Duplex Special-Purpose Receptacle Outlet

2.9 Range Outlet (typical)

2.10 Special-Purpose Connection or Provision for Connection

Grounded *Ungrounded*

2.11 Multioutlet Assembly

2.12 Clock Hanger Receptacle

2.13 Fan Hanger Receptacle

2.14 Floor Single Receptacle Outlet

2.15 Floor Duplex Receptacle Outlet

2.16 Floor Special-Purpose Outlet

3. SWITCH OUTLETS

3.1 Single-Pole Switch **S**

3.2 Double-Pole Switch **S2**

3.3 Three-Way Switch **S3**

3.4 Four-Way Switch **S4**

3.5 Key-Operated Switch **SK**

3.6 Switch and Pilot Lamp **SP**

3.7 Switch for Low-Voltage Switching System **SL**

3.8 Master Switch for Low-Voltage Switching System **SLM**

3.9 Switch and Single Receptacle **S**

3.10 Switch and Double Receptacle **S**

3.11 Door Switch **SD**

3.12 Time Switch **ST**

3.13 Circuit Breaker Switch **SCB**

3.14 Momentary Contact Switch or Pushbutton for Other Than Signaling System **SMC**

3.15 Ceiling Pull Switch (S)

5. RESIDENTIAL OCCUPANCIES

5.1 Pushbutton

5.2 Buzzer

5.3 Bell

5.4 Combination Bell-Buzzer

5.5 Chime [CH]

5.6 Annunciator

5.7 Electric Door Opener [D]

5.8 Maid's Signal Plug [M]

5.9 Interconnection Box

5.10 Bell-Ringing Transformer [BT]

5.11 Outside Telephone

5.12 Interconnecting Telephone

5.13 Radio Outlet [R]

5.14 Television Outlet [TV]

① American National Standards Institute, Inc.

BRYANT

Mechanical, Electrical and Chemical Properties of Materials Commonly Used in Wiring Devices/Horsepower Rating Chart

TABLE I - Mechanical and Electrical Properties of Materials Commonly Used in Wiring Devices

PROPERTIES	6/6 NYLON	6 NYLON	POLYCARBONATE	PC/PET	PHENOLIC	UREA
Tensile Strength (PSI)	11,200①	6000+①	9,000	6,000	6,500-10,000	5,500-13,000
Elongation (%)	300+①	300①	130	120	0.4-0.8	.5-1.0
Flex. Mod. (Stiffness) (PSI)	175,000①	140,000①	340,000	325,000	1,000,000	1,500,000
Izod (Notched) ft.-lb./in.	2.1①	3.0①	15.0	12.0	.3-1.9	.25-.4
Hardness Rockwell	59M① 108R①	119R	70M 118R	115R	105-120M	110-120-M
Heat Deflection Temp˚F 66 PSI 264 PSI	 464 194	 370 185	 – 270	 265 260	 – 400	 260-290
UL Thermal Index ˚C Electrical Mechanical w/Impact Mechanical w/o Impact	 125 75 85	 125 75 85	 125 115 125	 105 105 105	 150 150 150	 100 100 100
Flame Class UL 94	V-2	V-2	V-2	V-0	HB-V0	HB-V0
Dielectric V/mil	600	400	380	307	200-400	300-400
Specific Gravity	1.14	1.13	1.2	1.33	1.4	1.5
UL Comparative Tracking Index (Volts)	600+	600+	250+	230	175+	600+

① Conditioned 50% RH

TABLE II - Chemical Resistance of Materials Commonly Used in Wiring Devices

Chemical	Nylon	Phenolic	Urea	Polycarbonate
Acids	C	B	B	A
Alcohol	A	A	A	A
Caustic Bases	A	B	B	C
Gasoline	A	A	C	A
Grease	A	A	A	A
Kerosene	A	A	A	A
Oil	A	A	A	A
Solvents	A	A	A	C
Water	A	A	A	A

A-Completely resistant. Good to Excellent, general use.
B-Resistant. Fair to good, limited service.
C-Slow attack. Not recommended for use.

ADVANTAGES OF NYLON

Bryant nylon wiring devices provide these safety benefits:

EXCELLENT INSULATOR - Shock hazards are minimized by the superior dielectric strength of nylon and the heavy-duty molded interior walls of Bryant's completely-enclosed individual wire pocket areas.

RESISTANT TO CHEMICALS - Nylon provides excellent resistance to chemicals such as alcohol, caustic bases, gasoline, grease, kerosene, oil, solvents and water. See Table II.

HIGH IMPACT RESISTANCE - Bryant nylon devices are designed to withstand high impact in heavy-duty industrial and commercial applications. Each molded piece supports an adjacent molded piece, resulting in unsurpassed resiliency and strength.

Devices housed in vinyl, neoprene, urea or phenolic materials can crack or be damaged under great pressure. Such damage can be invisible and cause direct shorts and other hazards. In the unlikely event that a nylon device is damaged, the damage can be easily detected and the device replaced.

HIGH ARC RESISTANCE - Bryant nylon device housings meet or exceed ASTM (American Society for Testing and Materials) Standard D495, requiring a nylon device to withstand a predetermined voltage for a period of 105 seconds. Individual wire pockets enclosed in heavy-duty wall thicknesses are a significant factor in overall high arc resistance. See Table I.

UNIVERSAL CORD GRIP - Bryant's nylon plugs and connectors have a universal cord grip. One device can be used for most cord size applications. Adapter sleeves are available for flat cord and other small diameter cords. In addition to reducing the cord grip to the desired size, the sleeve helps protect the interior of the device by blocking entry of solvents, oil and other foreign matter.

TABLE-III Horsepower Ratings For NEMA Configurations - Plugs and Receptacles

NEMA CONFIG.	AC HP RATING②	NEMA CONFIG.	AC HP RATING②
1-15	0.5	L1-15	0.5
2-15	1.5	L2-20	2
2-20	2	L5-15	0.5
2-30	2	L5-20	1
5-15	0.5	L5-30	2
5-20	1	L6-15	1.5
5-30	2	L6-20	2
5-50	2	L6-30	2
6-15	1.5	L7-15	2
6-20	2	L7-20	2
6-30	2	L7-30	3
6-50	3	L8-20	3
7-15	2	L8-30	5
7-20	2	L10-20	2 L-L/1 L-N
7-30	3	L10-30	2 L-L/2 L-N
7-50	5	L11-15	2
10-20	2 L-L/1 L-N	L11-20	3
10-30	2 L-L/2 L-N	L11-30	3
10-50	3 L-L/2 L-N	L12-20	5
11-15	2	L12-30	10
11-20	3	L14-20	2 L-L/1 L-N
11-30	3	L14-30	2 L-L/2 L-N
11-50	7.5	L15-20	3
14-15	1.5 L-L/0.5 L-N	L15-30	3
14-20	2L-L/1 L-N	L16-20	5
14-30	2 L-L/2 L-N	L16-30	10
14-50	3 L-L/2 L-N	L18-20	2
14-60	3 L-L/2 L-N	L18-30	3
15-15	2	L19-20	5
15-20	3	L19-30	10
15-30	3	L21-20	2
15-50	7.5	L21-30	3
15-60	10	L22-20	5
18-15	2	L22-30	10
18-20	2		
18-30	3		
18-50	7.5		
18-60	7.5		

② The phase-to-phase horsepower ratings are noted by "L-L". The phase-to-neutral ratings are identified by "L-N".

Prior to 1950, Underwriters' Laboratories, Inc. listed only AC-DC general use switches. These switches were designed with overcenter, snap-acting mechanisms which noisily opened the circuit by widely separating the contacts at a very high rate of speed. This was necessary because the switches were tested on DC which has a steady-state voltage.

With the introduction of AC only general use switches, it was unnecessary to have the high-powered, overcenter, snap-acting mechanisms because the contacts did not have to be widely separated at high speed.

Bryant introduced, in the mid 1930's, the first AC only range switch. The experience gained in this development indicated the ideal AC switch should have a positive closing and a slow limited opening.

Positive closing is the closing of the contacts without bounce or chatter, which can occur due to the inertia of a high-speed closing of the contacts.

This is important, especially on the tungsten lamp load where, due to the low resistance of tungsten filament, an inrush current from 8 to 16 times the lighted (high resistance) rated current occurs. This inrush occurs in the first quarter cycle, 1/240 of a second, or when the contacts first close and would be bouncing (rapidly opening and closing of the circuit). This bouncing, at high current, could cause considerable arcing which would dissipate the contact material and result in welding of the contacts.

Slow limited opening is the separation of the contact, under load, at a low rate and limiting the contact separation to a very small fraction of that required for DC control.

On AC, the voltage passes through zero voltage every 1/2 cycle, on 60 cycle frequency every 1/120 of a second. By opening the contacts slowly, the arc is suppressed by the zero voltage. By limiting the break, the contact gap is not ionized and air insulation prevents arc formation and restriking.

This control of the opening is essential on inductive and motor loads when, due to low power factor, voltage surges occur on opening the circuit.

Bryant AC switches are designed so the contacts are closed with controlled contact closing pressure by utilizing the flexibility of the resilient contact carrying arm.

The contacts, of a special non-oxidizing silver alloy, are opened by a simple cam operation which limits the speed and opening. The indexing of the handle is by a neoprene rocker or simple cantilever steel rod. This provides a minimum of parts, making the switches virtually trouble-free.

AC TEST REQUIREMENTS

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc., thought was given to the ratings and it was decided to rate the switches in accordance with N.E.C. branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating and on motor loads to 80% of switch rating.

Underwriters' Laboratories Test Requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc., all 15, 20 and 30 ampere AC 120/277 volt switches must perform, without failure, the following sequence of tests.

1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches, at 6 cycles per minute.
2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 24 cycles per minute.
3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.
4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load, at 6 cycles per minute.
5. Heat rise at test-rated load. In this test, temperature rise must not exceed 30 degrees C.
6. A switch shall withstand, without breakdown, 1500V for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

Performance of Bryant Switches Far Exceeds Underwriters' Laboratories Requirements.

EXPLANATION OF "HORSEPOWER" RATINGS

Switches marked with Horsepower Ratings are suitable for controlling the Motor Loads of the H-P ratings shown on the switch as well as for lower H-P ratings.

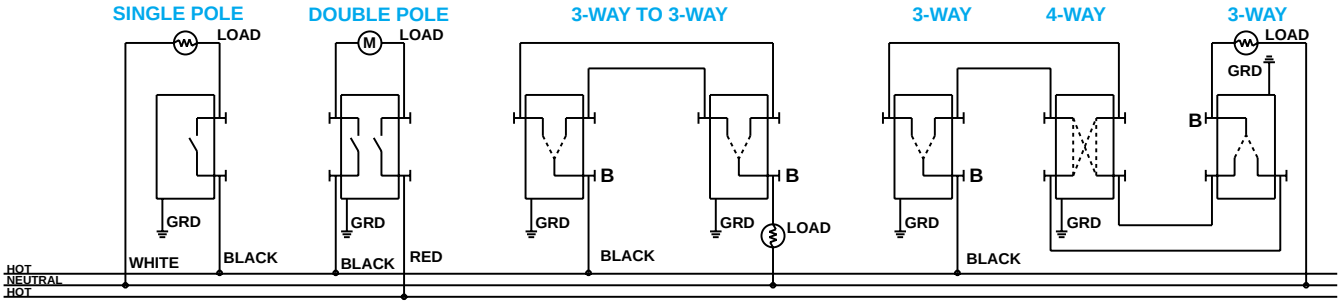
To qualify for an H-P rating, a switch is tested at six (6) times the full load Motor Current corresponding to the H-P rating marked on the switch. (For D-C Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the D.C. H-P rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on six (6) samples. For 3/4 H-P 120 volts-240 volts AC rating, two (2) sets of six (6) samples each are tested in addition to the regular overload endurance, heating and insulation tests. The test circuit characteristics are:

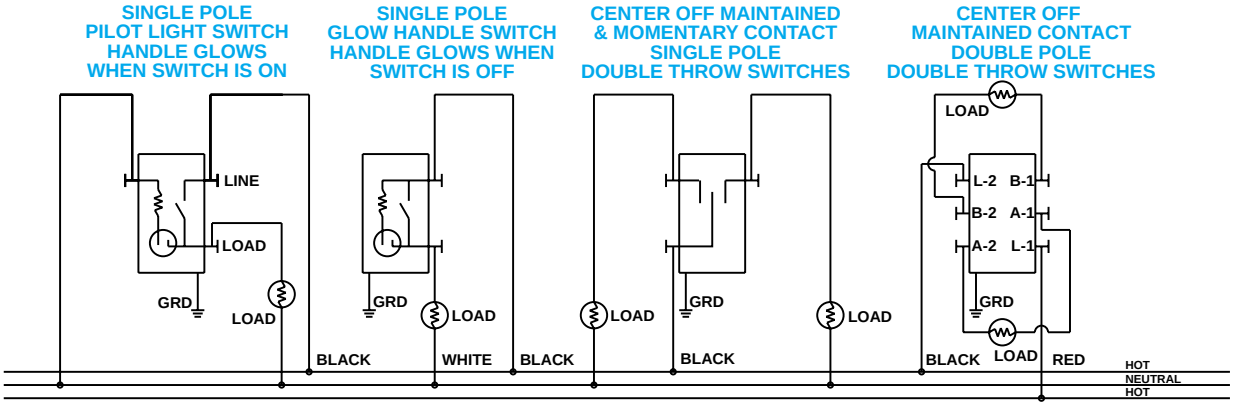
	For 3/4 H-P 120 Volts AC	**For 3/4 H-P 240 Volts AC**
Closed Circuit Volts	120 volts AC	240 volts AC
Current	82.8 amps	41.4 amps
Power-Factor	0.40-0.50	0.40-0.50

Note: Current at 240 V AC is 1/2 that at 120V AC

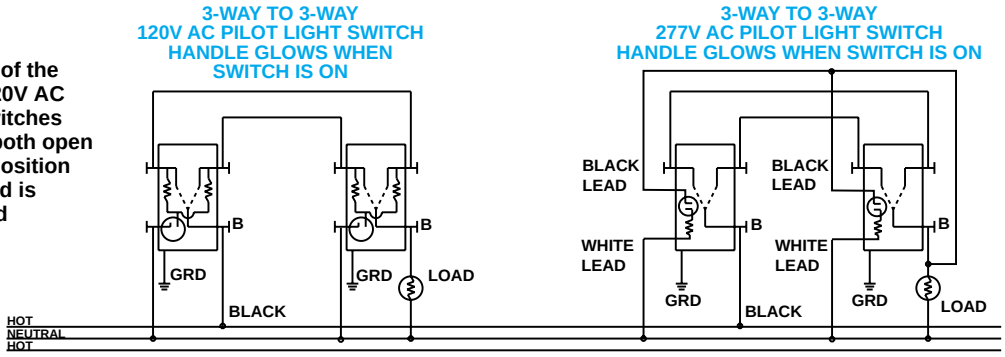
All switches must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to ground (the switch frames are grounded during the stalled Rotor test).

AC SWITCHES





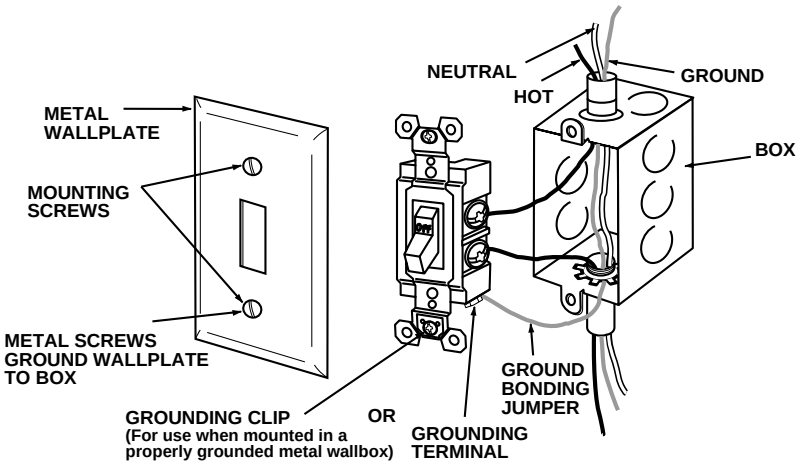
The handles of the two 3-way 120V AC pilot light switches will glow in both open and closed position when the load is disconnected



277V AC pilot light switches require a third "runner" wire between the two switches
These pilot light switches operate on either 120 or 277V AC

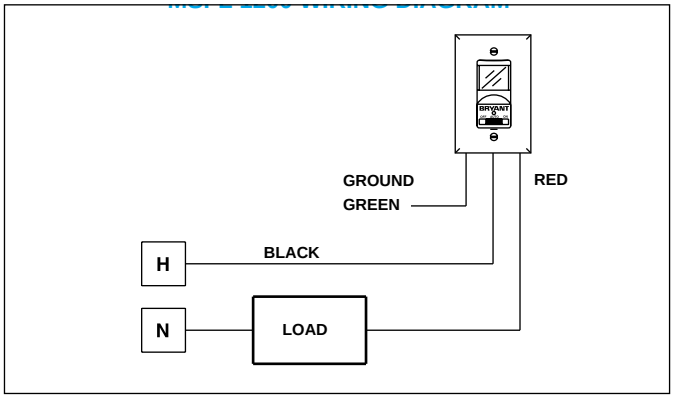
1993 NEC 380-12 REVISION

METAL WALL PLATES FOR SWITCHES SHALL BE GROUNDED (CORRELATES WITH 250-42(E)

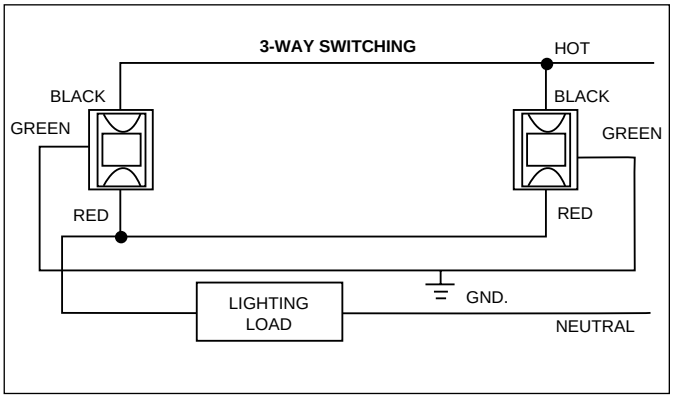


Motion Switch Wiring Diagrams

MSFL-1200 WIRING DIAGRAM



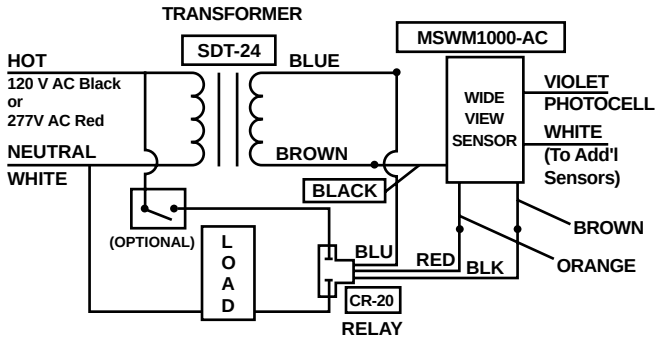
MSWS-1277 WIRING DIAGRAM



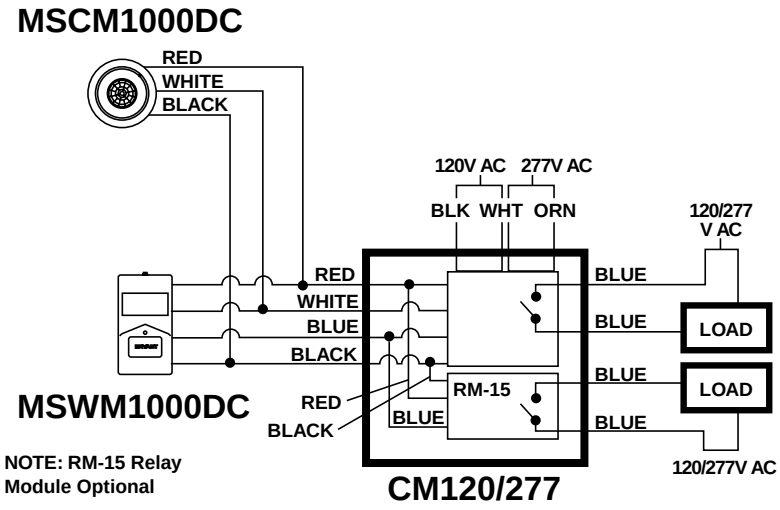
24V AC WIDE-VIEW INSTALLATION INSTRUCTIONS

Low Voltage Lighting System Wiring Diagram

TYPICAL MSWM1000-1C INSTALLATION WITH 24V AC WITH TRANSFORMER AND RELAY



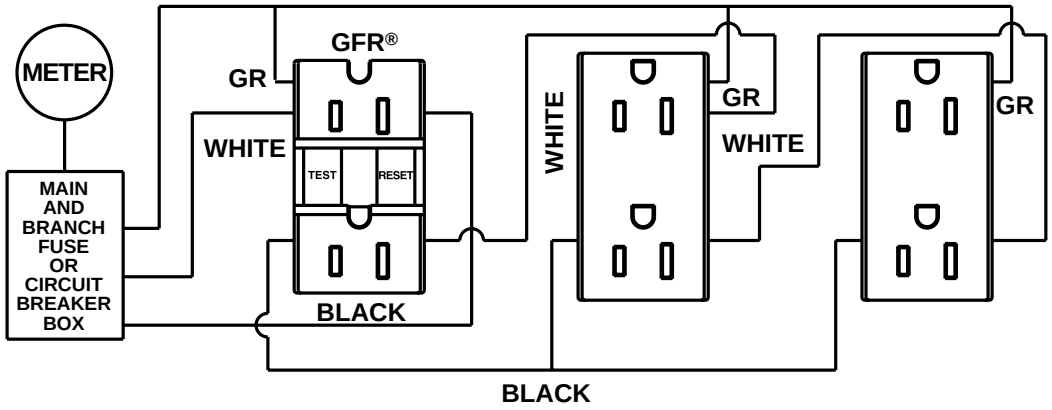
CONTROL MODULE SYSTEM WIRING DIAGRAM



NOTE: RM-15 Relay Module Optional

Specifications are subject to change without notice.

GREEN OR UNINSULATED GROUND WIRE



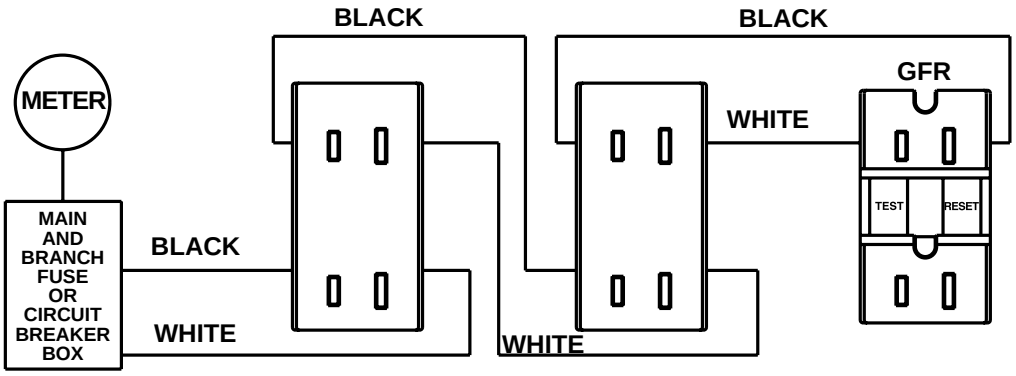
EACH RECEPTACLE PROTECTED BY GFR

NOTE: LINE FEED TERMINALS NOT RELATED TO FRONT COVER VIEWS OF GFR

WIRING DIAGRAM GFR FEED-THRU INSTALLATION

To protect the entire branch circuit, the GFR must be the first receptacle from the fuse or circuit breaker box. Receptacles on the circuit between the GFR and the box will not be protected, but the receptacles downstream from the GFR will have protection.

NON-FEED-THRU ON 2 WIRE APPLICATON



RECEPTACLES INDEPENDENT OF GFR PROTECTION

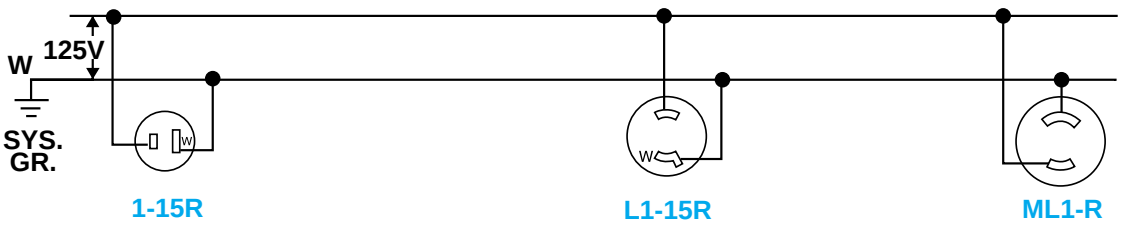
NOTE: LINE FEED TERMINALS NOT RELATED TO FRONT COVER VIEWS OF GFR

WIRING DIAGRAM GFR NON-FEED-THRU INSTALLATION

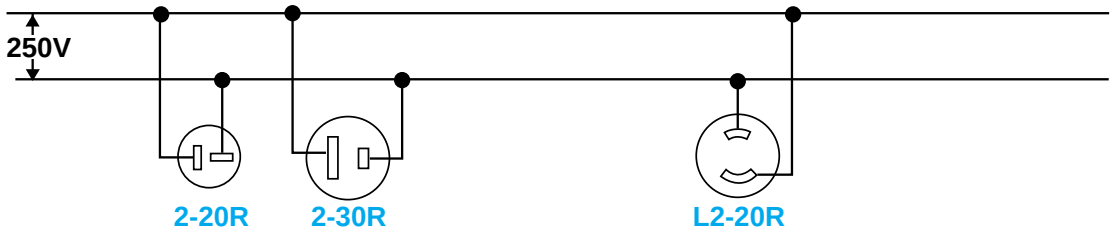
Terminal, or one-outlet-only protection, can be achieved on a multi-wire circuit by connecting the hot and neutral line conductors to the corresponding line side terminals of the GFR. Only the GFR receptacle will be protected.

2 POLE 2 WIRE

125V

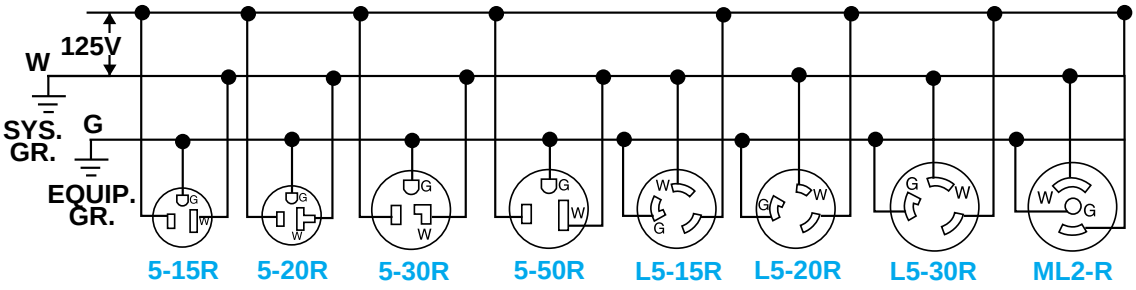


250V

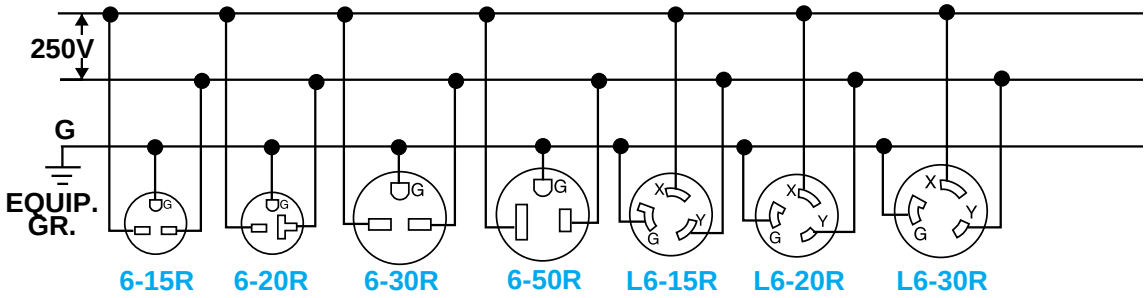


2 POLE 3 WIRE GROUNDING

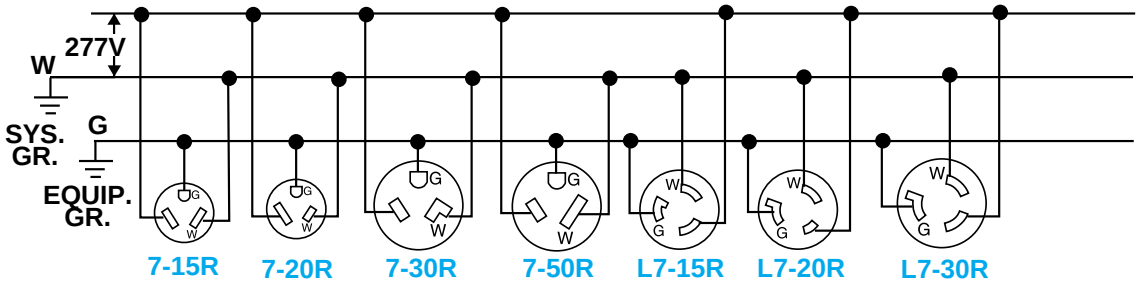
125V



250V

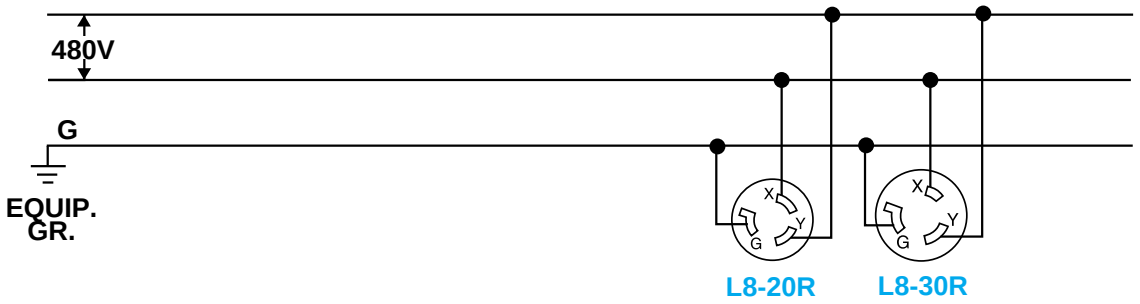


277 V AC

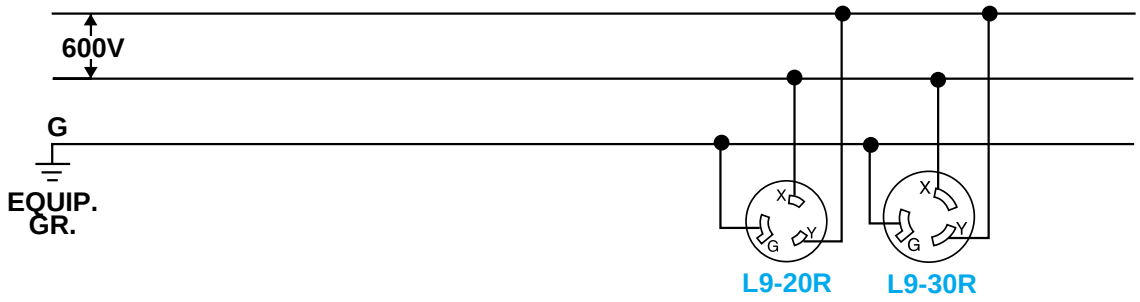


2 POLE 3 WIRE GROUNDING

480 V AC

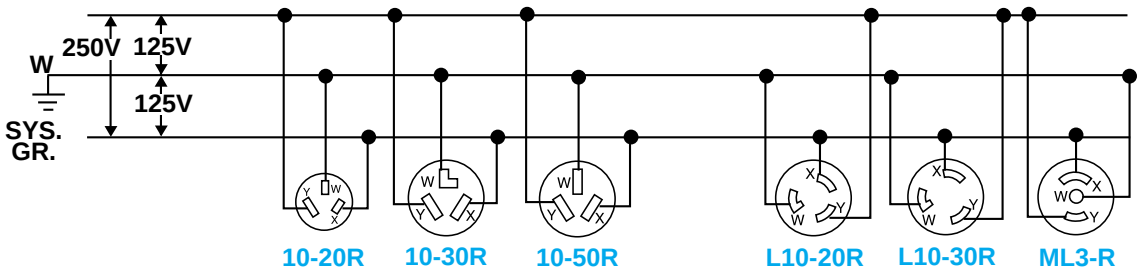


600 V AC

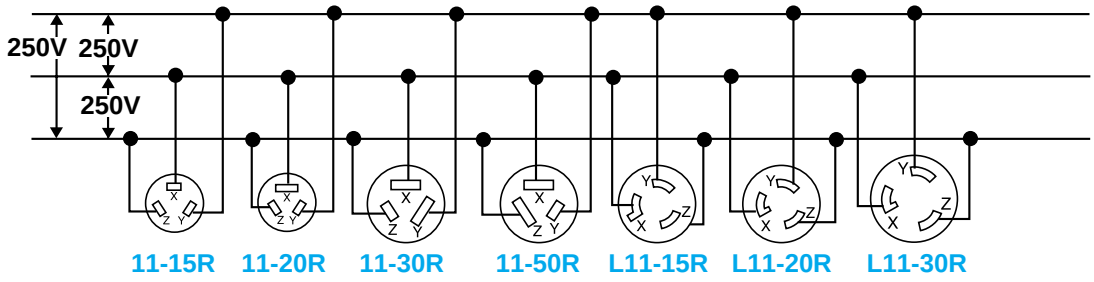


3 POLE 3 WIRE

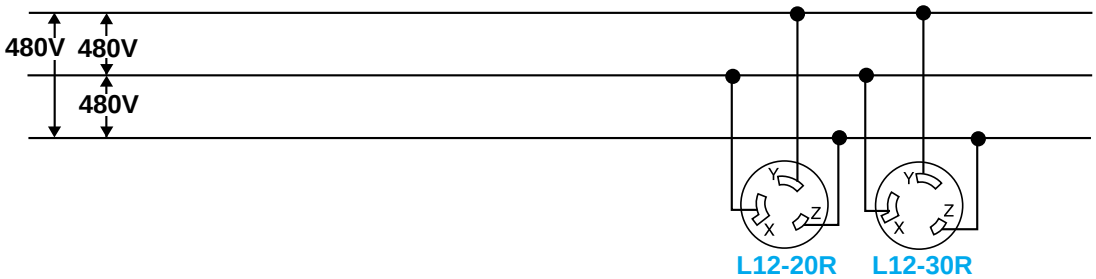
125/ 250V



3Ø 250V

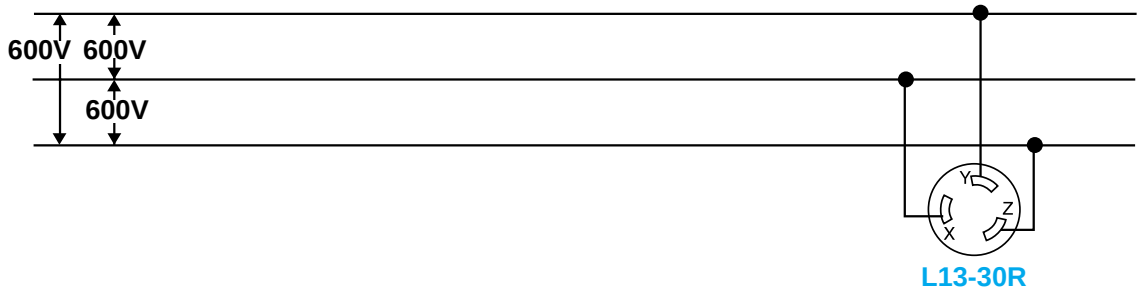


3Ø 480V



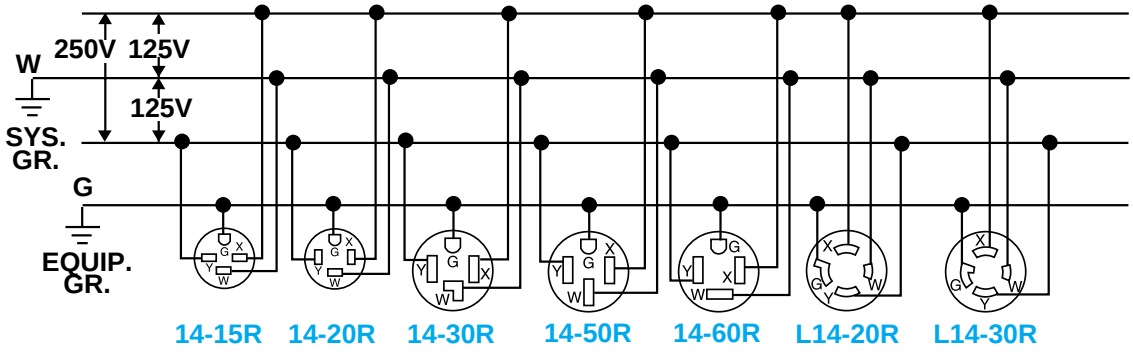
3 POLE 3 WIRE

3Ø 600V

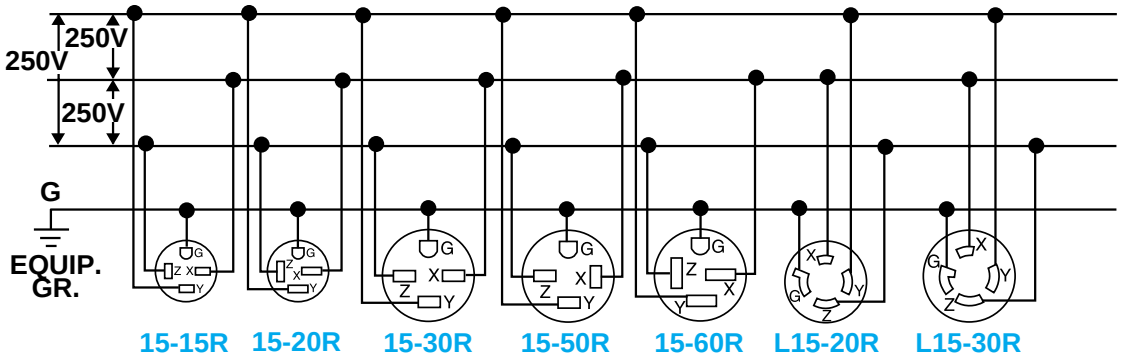


3 POLE 4 WIRE GROUNDING

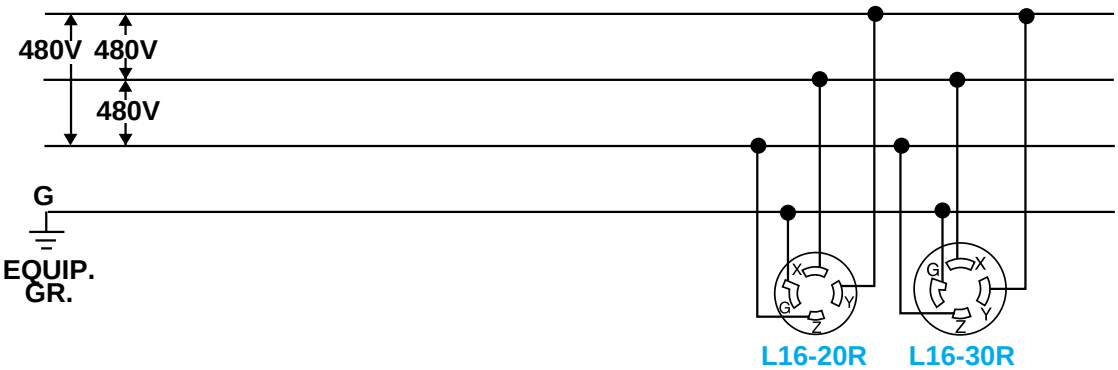
125/ 250V



3Ø 250V

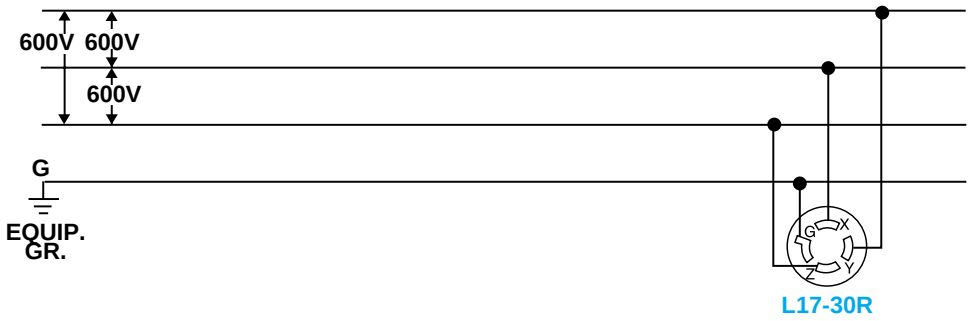


3Ø 480V



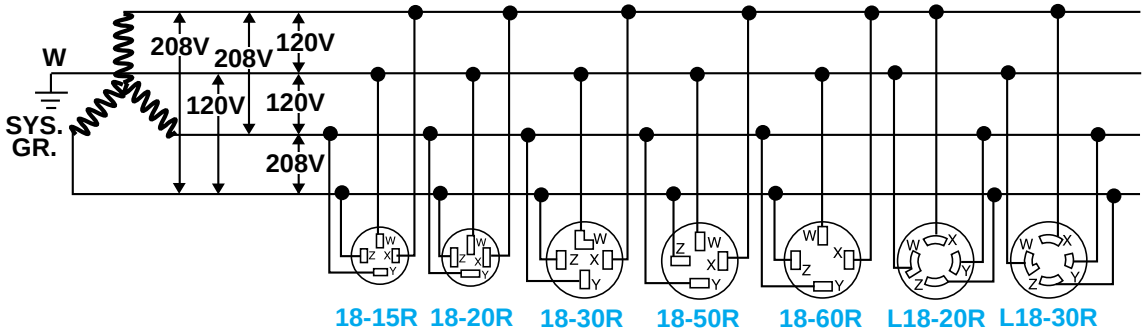
3 POLE 4 WIRE GROUNDING

3Ø 600V

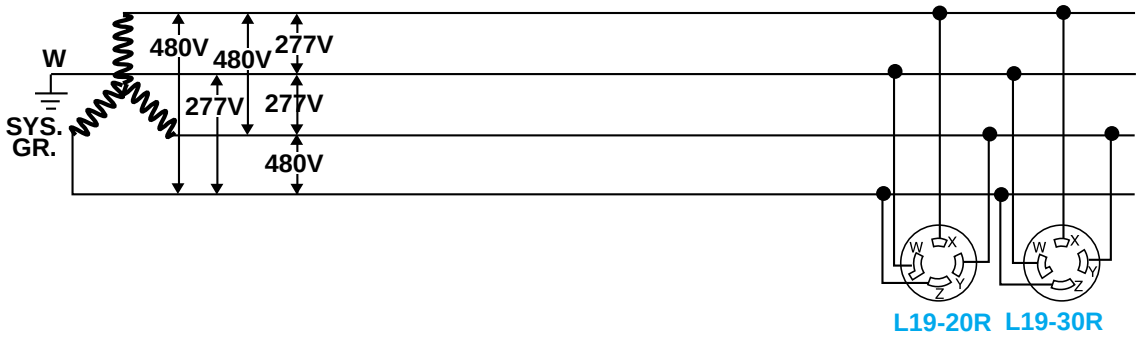


4 POLE 4 WIRE

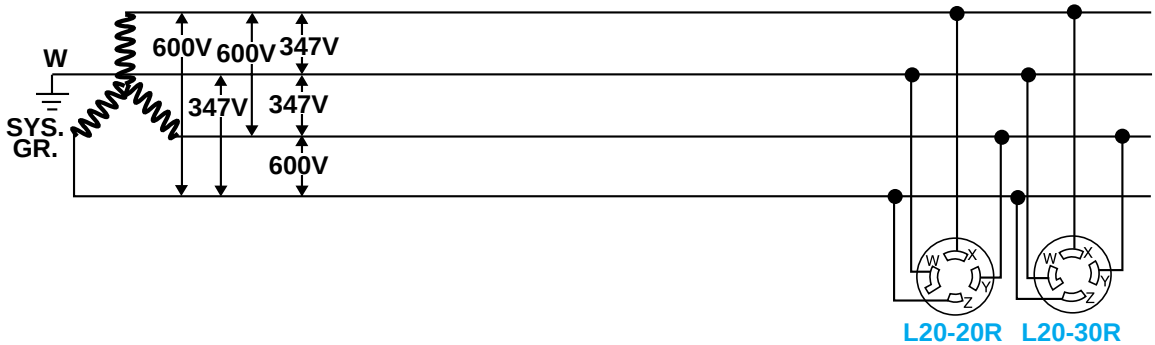
3ØY 120/ 208V



3ØY 277/ 480V

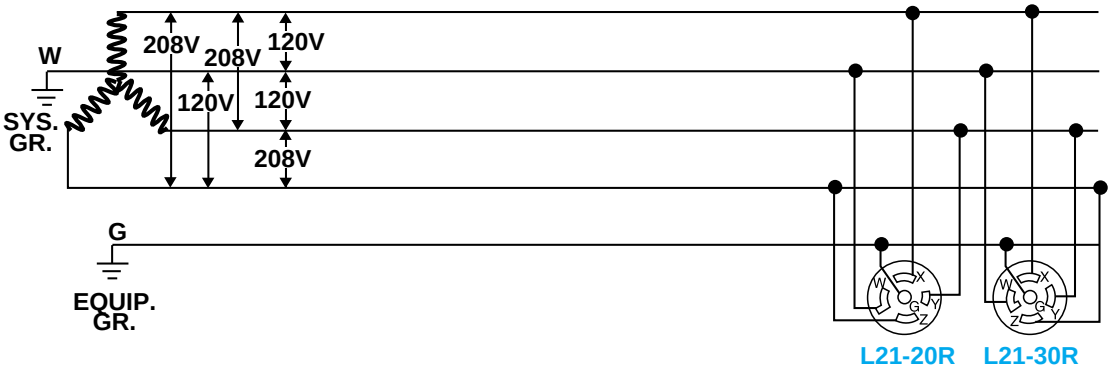


3ØY 347/ 600V



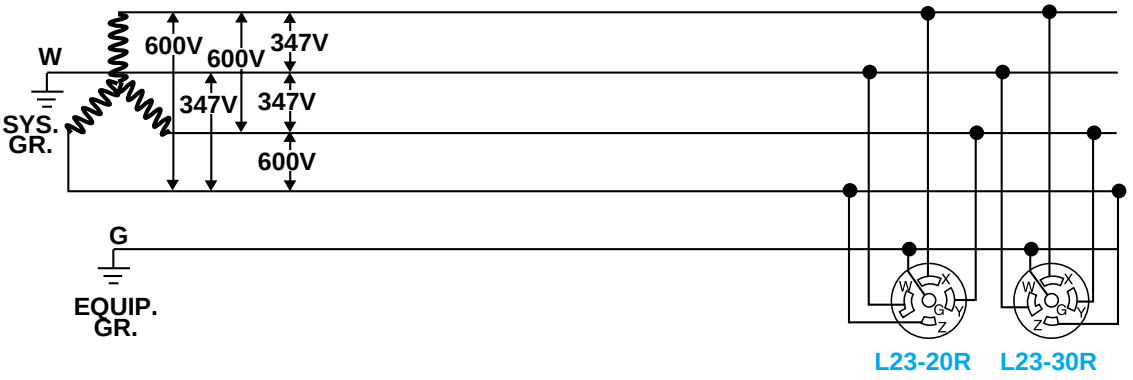
4 POLE 5 WIRE GROUNDING

3ØY 120/ 208V



3ØY 277/ 480V

3ØY 347/ 600V



BRYANT

Modular Jack Specification Data①

The rapid growth of information transmission in the office environment has led to demands for voice and data delivery systems that are flexible, cost effective and that can be integrated, aesthetically, with the standard electrical system. Bryant's Fashion Series™ 9000 communications outlets (Page D-13) are designed to be used in station termination applications for a variety of voice/data delivery systems, most notably, with modular jacks for twisted pair wiring.

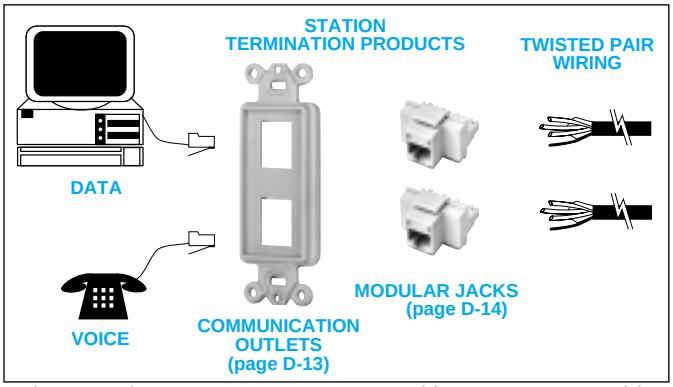
TWISTED PAIR WIRING

While there are many types of cable used in telecommunications wiring, Unshielded Twisted Pair (UTP) has become the medium of choice. Reasons include (1) cost, (2) ease of installation and termination, (3) continuous improvement of transmission quality. UTP is typically used for horizontal wiring from the communications closet to workstations and peripheral equipment. Shielded versions are available.

MODULAR JACKS

Bryant's Category 5 and Category 3 Keystone Modular Jacks are the centerpiece of the twisted pair delivery system. These high-speed data and voice transmission jacks are available in 8-position configurations, EIA/TIA T568A, T568B or 6-position USOC RJ25 wiring formats. (See Page D-14)

LOCAL AREA NETWORKS (LAN)



INDUSTRY STANDARDS

EIA/TIA 568 - Commercial building telecommunication wiring standards created to identify minimum performance requirements for building communication wiring. Addresses wiring systems and formats, distances, channel media and connectors. Widely accepted by U.S. Government, Canadian and other international standards organizations.

FCC - U.S. Government agency with the power to regulate all electrical communications in the U.S., including radio, television, facsimile, telegraph, telephone and cable systems. (FCC) Part 68: Provides standards for connecting premise wiring and equipment to the regulated networks including physical dimensions to assure interchangeability.

UL - Underwriters' Laboratories operates as a testing facility and developer of safety standards. UL1863 is the appropriate listing for these products.

PERFORMANCE SPECIFICATIONS

The EIA/TIA 568 Standards have been further defined by technical systems bulletins (TSB) 36 and 40. These define the minimum performance requirements for cables and connectors, respectively. Of special note, cables and connectors are rated at different "categories" of performance levels. The performance specifications apply to both shielded and unshielded cable and one needs to know the application to select the appropriate cables and connectors.

The two major areas of performance testing are "Attenuation" & "NEXT":

ATTENUATION②: A measure of signal loss as it travels through the media and connecting hardware. It is measured in decibels and increases with length and the number of terminations and connections.

NEXT②: Near End Cross Talk is a measure of signal coupling from one circuit to another. It is measured in decibels across pairs.

CATEGORY 5: Voice and Data Transmission rates for 100MBPS @ 100 MHz.

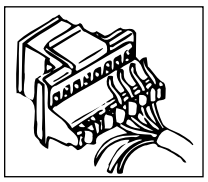
CATEGORY 3: Voice and Data Transmission rates for 10MBPS @ 16 MHz.

Frequency	CATEGORY 5 - 9CJ85 SERIES②			
	T568B Jacks		T568A Jacks	
	Attenuation	NEXT	Attenuation	NEXT
4 MHz	<0.05 dB	>65 dB	<0.05 dB	>65 dB
10 MHz	<0.05 dB	>60 dB	<0.05 dB	>60 dB
16 MHz	<0.05 dB	>57 dB	<0.05 dB	>57 dB
20 MHz	<0.07 dB	>55 dB	<0.10 dB	>55 dB
31.25 MHz	<0.10 dB	>52 dB	<0.20 dB	>51 dB
62.5 MHz	<0.20 dB	>46 dB	<0.30 dB	>45 dB
100 MHz	<0.40 dB	>42 dB	<0.30 dB	>42 dB

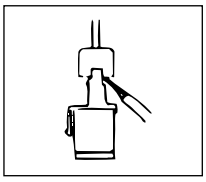
Freq.	CATEGORY 3 - 9CJ83 SERIES②				9CJ6 SERIES②	
	T568B (AT&T) Jacks		T568A Jacks		USOC RJ25 Jacks	
	Atten.	NEXT	Atten.	NEXT	Atten.	NEXT
1 MHz	<0.05 dB	>64 dB	<0.05 dB	>62 dB	<0.05 dB	>55 dB
4 MHz	<0.05 dB	>49 dB	<0.05 dB	>52 dB	<0.05 dB	>47 dB
10 MHz	<0.05 dB	>42 dB	<0.05 dB	>42 dB	<0.05 dB	>39 dB
16 MHz	<0.05 dB	>38 dB	<0.05 dB	>38 dB	<0.05 dB	>34 dB

MODULAR JACK WIRING INSTALLATION METHODS

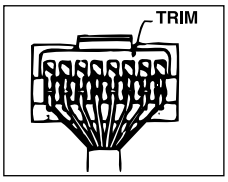
INSULATION DISPLACEMENT CONTACTS (IDC) 9CJ85 SERIES, TYPE 110 IDC



Position wires per color-coded labels

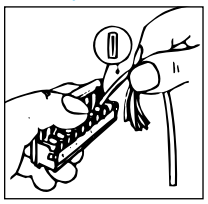


Use 110 stuffer tool

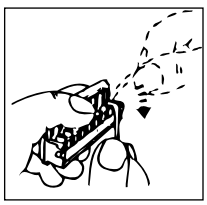


Trim

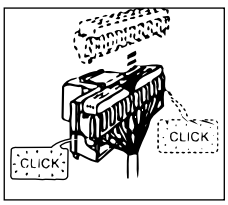
9CJB3, 9CJ6 SERIES



Position wire per color-coded label

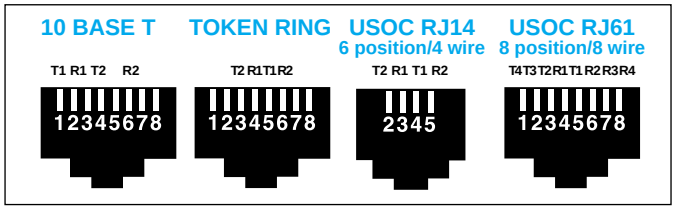


Seat wire in plastic slot



Set stuffer cap to second latch with pliers

ADDITIONAL STANDARD JACK WIRING FORMATS



NOTE: See page D-14 for T568A, T568B and USOC RJ25 wiring formats

STANDARD WIRE COLOR CODES

CONDUCTOR ID	BAND MARKED COLOR CODE	SOLID COLOR CODE
T1	White/Blue	Green
R1	Blue/White	Red
T2	White/Orange	Black
R2	Orange/White	Yellow
T3	White/Green	—
R3	Green/White	—
T4	White/Brown	—
R4	Brown/White	—

① See page D-14.

② Values of the "Worst Case" Pairs are presented here and are independently tested by UL.

BRYANT

Metric Conversion Chart
(Fraction Inch to Decimal Inch and Millimeters)

Fraction In.	Two Place Decimal In.	Three Place Decimal In.	Four Place Decimal mm	±1% Rounded mm
1/64	0.02	0.016	0.3969	0.395
1/32	.03	.031	.7938	.79
3/64	.05	.047	1.1906	1.19
1/16	.06	.062	1.5875	1.59
5/64	.08	.078	1.9344	1.98
3/32	.09	.094	2.3812	2.38
7/64	.11	.100	2.7781	2.80
1/8	.12	.125	3.1750	3.15
9/64	.14	.141	3.5719	3.55
5/32	.18	.156	3.9688	3.95
11/64	.17	.172	4.3656	4.35
3/16	.19	.188	4.7625	4.75
13/64	.20	.203	5.1594	5.2
7/32	.22	.219	5.5562	5.6
15/64	.23	.234	5.9531	6.0
1/4	.25	.250	6.3500	6.4
17/64	.27	.266	6.7469	6.7
9/32	.28	.281	7.1438	7.1
19/64	.30	.297	7.5406	7.5
5/16	.31	.312	7.9375	7.9
21/64	.33	.328	8.3344	8.3
11/32	.34	.344	8.7312	8.7
23/64	.36	.359	9.1281	9.1
3/8	.38	.375	9.5250	9.5
25/64	.39	.391	9.9219	9.9
13/32	.41	.406	10.3188	10.3
27/64	.42	.422	10.7156	10.7
7/16	.44	.438	11.1125	11.1
29/64	.45	.453	11.5094	11.5
15/32	.47	.469	11.9062	11.9
31/64	.48	.484	12.3031	12.3
1/2	.50	.500	12.7000	12.7

Fraction In.	Two Place Decimal In.	Three Place Decimal In.	Four Place Decimal mm	±1% Rounded mm
33/64	.52	.516	13.0969	13.1
17/32	.53	.531	13.4938	13.5
35/64	.55	.547	13.8906	13.9
9/16	.56	.562	14.2875	14.3
37/64	.58	.578	14.6844	14.7
19/32	.59	.594	15.0812	15.1
39/64	.61	.609	15.4781	15.5
5/8	.62	.625	15.8750	15.9
41/64	.64	.641	16.2719	16.3
21/32	.66	.656	16.6688	16.7
43/64	.67	.672	17.0656	17.1
11/16	.69	.688	17.4625	17.5
45/64	.70	.703	17.8594	17.9
23/32	.72	.719	18.2562	18.3
47/64	.73	.734	18.6531	18.7
3/4	.75	.750	19.0500	19.1
49/64	.77	.766	19.4469	19.4
25/32	.79	.781	19.8438	19.8
51/64	.80	.797	20.2406	20.2
13/16	.81	.812	20.6375	20.6
53/64	.83	.828	21.0344	21.0
27/32	.84	.844	21.4312	21.4
55/64	.86	.859	21.8281	21.8
7/8	.88	.875	22.2250	22.2
57/64	.89	.891	22.6219	22.6
29/32	.91	.906	23.0188	23.0
59/64	.92	.922	23.4155	23.4
15/16	.94	.938	23.8125	23.8
61/64	.95	.953	24.2094	24.2
31/32	.97	.969	24.6062	24.6
63/64	.98	.984	25.0031	25.0
1	1.00	1.000	25.4000	25.5

Diameter Ranges of Jacketed Cord in Accordance with Standard "UL 62"

TYPE	AWG SIZE	2 COND.	3 COND.
SV,SVO,SVT,SVTO	18	.22.0-.255 (5.6-6.5)	.230-.265 (5.8-6.7)

TYPE	AWG SIZE	2 COND.	3 COND.	4 COND.
SJ, SJO, SJT, SJTO	18	.280-.315 (7.1-8.0)	.300-.335 (7.6-8.5	.325-.365 (8.3-9.3)
	16	.305-.340 (7.7-8.6)	.325-.360 (8.3-9.1	.350-.395 (8.9-10.0)
	14	.335-.375 (8.5-9.5)	.360-.395 (9.1-10.0	.390-.435 (9.9-11.0)
	12	.405-.455 (10.3-11.6)	.425-.475 (10.8-12.1	.465-.520 (11.8-13.2)
	10	.540-.605 (13.7-15.4)	.565-.635 (14.4-16.1	.625-.700 (15.9-17.8)

TYPE	AWG SIZE	2 COND.	3 COND.	4 COND.	5 COND.
S,SO, ST,STO	18	.340-.385 (8.6-9.8)	.360-.400 (9.1-101.6)	.385-.430 (69.8-10.9)	.460-.510 (11.7-13.0)
	16	.365-.410 (9.3-10.4)	.385-.430 (9.77-10.9)	.410-.460 (10.4-11.7)	.490-.550 (12.5-14.0)
	14	.495-.550 (12.6-14.0)	.520-.575 (13.2-16.6)	.560-.620 (14.2-15.7)	.630-.705 (16.0-17.9)
	12	.565-.625 (14.4-15.9)	.590-.655 (14.9-16.6)	.640-.710 (16.3-18.0)	.700-.770 (18.0-19.6)
	10	.615-.685 (15.6-17.4)	.650-.720 (16.5-18.3)	.700-.775 (17.8-19.7)	.760-.840 (19.3-21.3)
	8	.780-.880 (19.8-22.4)	.830-.930 (21.0-23.6)	.925-.1.050 (23.5-27.0)	1.000-1.150 (25.4-29.2)
	6	.920-1.050 (23.4-26.7)	.970-1.100 (24.6-27.9)	1.050-1.200 (27.0-30.0)	1.180-1.330 (30.0-33.8)
	4	1.060-1.210 (26.9-30.7)	1.130-1.280 (29.0-32.5)	1.250-1.450 (31.8-37.0)	
	2	1.210-1.400 (30.7-35.6)	1.300-1.500 (33.0-38.1)	1.450-1.650 (37.0-42.0)	

( ) Indicates mm dimensions.
Specifications are subject to change without notice.

1996 National Electrical Code Requirements for Wiring Devices

NATIONAL ELECTRICAL CODE
NFPA NO. 70-1993

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ARTICLE 100 – DEFINITIONS

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110-21 Marking

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200-9 Means of Identification of Terminals
200-10 Identification of Terminals

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210-4 Multiwire Branch Circuits
210-6 Branch Circuit Voltage Limitations
210-7 Receptacles and Cord Connectors
210-8 Ground Fault Protection for Personnel
210-21 Outlet Devices
210-24 Branch Circuit Requirements
210-50 Required Outlets General
210-52 Dwelling Unit Receptacle Outlets
210-60 Guest Rooms
210-62 Show Windows
210-63 Heating, Air Conditioning and Refrigeration Equipment Outlet
210-70 Lighting Outlets Required

ARTICLE 220 – BRANCH CIRCUIT, FEEDER AND SERVICE CALCULATIONS
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250-50 Equipment Grounding Conductor Connections
250-51 Effective Grounding Path
250-59 Cord and Plug Connected Equipment
250-74 Connecting Receptacle Grounding Terminal to Box

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310-15 Ampacities

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380-2 Switch Connections
380-8 Accessibility and Grouping
380-9 Faceplates for Flush-Mounted Snap Switches
380-14 Rating and Use of Snap Switches
380-15 Marking

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410-29 Cord-Connected Showcases
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410-57 Receptacles in Damp or Wet Locations
410-58 Grounding-Type Receptacles, Adapters, Cord Connectors and Attachment Plugs

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422-22 Disconnection of Cord- and Plug-Connected Appliances

ARTICLE 511 – COMMERCIAL GARAGES, REPAIR AND STORAGE
511-10 Ground Fault Circuit Interrupter Protection for Personnel

ARTICLE 517 – HEALTH CARE FACILITIES
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517-12 Wiring Methods
517-13 Grounding of Receptacle and Fixed Electric Equipment
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517-18 General Care Areas
517-19 Critical Care Areas
517-19(e) Additional Protective Techniques
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WIRING DEVICE STANDARD AND REGULATORY AGENCIES

NEMA
National Electrical Manufacturers' Association
2101 L Street, N.W., Washington, DC 20037

ANSI
American National Standards Institute, Inc.
1430 Broadway, New York, NY 10018

UL
Underwriters' Laboratories, Inc.
Chicago, Northbrook, IL; Melville, NY; Santa Clara, CA

CSA
Canadian Standards Association
178 Rexdale Boulevard, Rexdale, Ontario, Canada M9W 1R3

GSA
General Services Administration, Federal Supply Service
Crystal Mall, Bldg. 4, Washington, DC 20406

OSHA
Occupational Safety and Health Administration
(U.S. Department of Labor)
200 Constitution Avenue, N.W., Washington, DC 20210

NFPA
National Fire Protection Association
Batterymarch Park, Quincy, MA

NEC
National Electrical Code
Published by the NFPA

Glossary

A.C. (Alternating Current) - An electric current that reverses direction in a circuit at regular intervals, such as normal household current.

Adapter - Device that adapts one form or size of connection to another.

Air Gap Switch - A mechanical switch, which is capable of creating a space between two contacts.

Ampacity - The current in amperes that a conductor can carry continuously under the conditions of use without exceeding its temperature rating.

Angle Plug - A plug that allows the attached flexible cord to exit at a right angle to the plug face.

Attachment Plug - Male contact device for the readily detachable connection of a flexible cord or cable to receptacles, connectors, flanged equipment power outlets, etc.

Auto Reset - An in-line GFCI device that resets automatically after loss of neutral and when power is restored.

Bar Choke - A bar choke is constructed of a ferrite bar and is wrapped with copper wire. This device is used to reduce RFI generated by a dimmer or other electronic switching devices.

Bayonet - A lampholder for low-voltage incandescent lamps having an unthreaded metal shell with two diametrically opposite keyways that cooperate with similarly located projections on a mating lamp bulb. Pushing down on the bulb and turning it clockwise in the socket locks the bulb in place.

Bi-Pin Medium - A fluorescent lampholder having two contacts, used in pairs, with Type T-8 tubular fluorescent lamps that are approximately 1" in diameter, having two contacts at each end.

Bi-Pin Miniature - Similar to Medium Bi-Pin lampholder except for use with Type T-5 tubular fluorescent lamps that are 5/8" in diameter.

Bonding - The permanent joining of metallic parts to form an electrically conductive path that will assure electrical continuity and the capacity to conduct safely any current likely to be imposed.

Branch Circuit - The circuit conductors between the final overcurrent device protecting the circuit and the outlet(s).

Branch Circuit, General Purpose - A branch circuit that supplies a number of outlets for lighting and appliances.

Bulb Noise (Filament Hum) - The audible noise which can come from an incandescent lamp controlled by a dimmer.

Candelabra - A small screw-base threaded lampholder accepting a bulb approximately 1/2" in diameter commonly used in night lights, indicator lights and Christmas tree bulbs.

Clamping - The process of restricting voltage to a maximum level above the typical line voltage line. Used in TVSS specifications.

Class A - Rating of GFCI trip level 4-6ma range.

Connector, Pressure (Solderless) - A device that establishes a connection between two or more conductors or between one or more conductors and a terminal by means of mechanical pressure and without the use of solder.

Continuous Load - A load where the maximum current is expected to continue for three hours or more.

Cord Connector - Female contact device used in making a detachable connection to an attachment plug or a flanged equipment power inlet.

Cord Grip - Means by which the flexible cord entering a device is gripped in order to relieve stress on the terminals from tension applied to the cord.

Corrosion Resistant - A device constructed of special materials and/or suitably plated to withstand corrosive environments.

Current - The flow of electrons through an electrical conductor, measured in amperes.

Current Tap - Device for providing two or more contact devices from a single contact device.

D.C. (Direct Current) - An electric current that flows only in one direction through a circuit, such as battery power.

Dedicated Circuit - A circuit established to provide control voltage and current to one load or one type of load, such as an electric range or a computer.

Device - Unit of an electrical system that is intended to carry, but not utilize, electrical energy.

Device Cover Plate - Plate intended to close a device box when used in conjunction with a wiring device, and which may be secured to the device or to the device box. Note: A family of such plates may include a blank plate that may be secured to the device box.

Dimmer - A switch with electronic components that permit control of lighting intensity.

Dustproof - So constructed or protected that dust will not interfere with its successful operation.

Dust-tight - So constructed that dust will not enter the enclosing case under specified test conditions.

Duty -

Continuous Duty - Operation at a substantially constant load for an indefinitely long time.

Intermittent Duty - Operation for alternate intervals of (1) load and no load; or (2) load and rest; or (3) load, no load, and rest.

Periodic Duty - Intermittent operation in which the load conditions are regularly recurrent.

Short-Time Duty - Operation at a substantially constant load for a short and definitely specified time.

Varying Duty - Operation at loads, and for intervals of time, both of which may be subject to wide variation.

DV/DT - The rate of change from voltage over an increment of time. Used to rate some semiconductors.

Edison Base - A lampholder having a threaded internal shell approximately 1" in diameter which accepts lamp bulbs of the size commonly used in domestic illumination.

Elastomer - Macromolecular material that at room temperature returns rapidly to approximately its initial dimensions and shape after substantial deformation by a weak stress and release of that stress.

EMI - Electromagnetic interference or unwanted signal pick-up. One of two types of electrical “noise” caused by varying magnetic fields conducted into branch wiring from inductive load switching.

EMP - Electromagnetic pulse caused by lightning or conductors.

Federal Specification Listed - A device which meets federal government specifications and for use on government quotations.

Feed Through - The practice of wiring a single branch circuit through a device and feeding power to other devices wired downstream. Feeding through a GFCI would provide ground fault protection to downstream receptacles.

Flanged Inlet (Male Base) - A plug which is intended for flush mounting on an appliance or equipment and which serves to connect utilization equipment to a cord connector.

Flanged Outlet (Equipment Receptacle) - A receptacle which is intended for flush mounting on an appliance or on equipment which is intended to establish electrical connection with an inserted plug.

Fluorescent Lamp - A glass housing that contains phosphorus in a sealed vacuum. When the phosphorus is excited from a voltage charge, it becomes ionized and gives off light.

Fluorescent Starter - A device rated in watts having a voltage-sensitive switch and a capacitor whose function is to provide a high-voltage pulse to start a fluorescent lamp.

Gas Diode - A primary component in high rated TVSS in conjunction with M.O.V.

General-Use Snap Switch - A form of general-use switch so constructed that is can be installed in flush device boxes or on outlet box covers, or otherwise used in conjunction with wiring systems recognized by the NEC.

Ground Fault Circuit Interrupter (GFCI) - A device intended for the protection of personnel that functions to deenergize a circuit or portion thereof within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.

Grounding-Conductor Path - A path between the grounding pin, blade, or contact and the grounding terminal or, if the device has no grounding terminal, the point at which the path makes contact with a part of the metal raceway system, such as a box, box cover, or the raceway itself.

Horsepower Rated - A device rating intended for control of motor loads.

Hospital Grade - A device constructed to meet performance requirements of high abuse areas found in hospital locations, tested to “Hospital Grade” requirements of Underwriters' Laboratories Standard UL 498.

Incandescent - Lampholders of the threaded screw shell types for use with standard sizes of incandescent bulbs.

Infrared (I.R.) - The invisible light emitted by all people, animals, and objects. Infrared is measured in terms of micrometers on the wavelength spectrum.

In-Line GFCI - A device used for ground fault protection, indoor or outdoor, with extension cords.

Lampholder - A device with contacts that establishes mechanical electrical connection to an inserted lamp.

Lighted Handle - A switch with an integral lamp in the actuator which lights when switch is in the “OFF” position.

Locking Device - A device designed to lock in place when it is rotated in a clockwise direction. The device can then only be removed when turned in a counterclockwise direction.

Locking Switch - A switch equipped with a mechanism requiring a key to operate the switching function.

Lock-out - A safety device for preventing accidental turn-on of power to load.

Maintained Contact Switch - When the actuator is moved to the “ON” position, this switch makes and retains the circuit contact until the actuator is manually moved to the “OFF” position.

Manual Controller - A horsepower rated switch without overload protection used for the operation of small A.C. or D.C. motors.

Midget - A device with a body diameter smaller that those of devices of a similar rating.

Miniature - The smallest screw-in type lampholder accepting incandescent lamp bulbs of approximately 3/8" diameter commonly used in games, flashlights and the smallest Christmas tree bulbs.

Mogul - The largest screw-in type of lampholder accepting incandescent lamp bulbs having screw bases approximately 1 1/2" in diameter. Used in street lighting fixtures and industrial high bay fixtures.

Momentary Contact - A switch which establishes circuit contact when its actuator is moved to, and held in the "ON" position. The circuit is broken when the actuator is released and allowed to return, of itself, to the "OFF" position.

M. O. V. - Metal Oxide Varistor, primary component of TVSS.

Narrow - A cover plate designed for flush mounting on narrow partitions have a width dimension of two inches or less.

Outdoor Rating - Describes a listed product usable outdoors or in wet locations.

Outlet - A point in the wiring installation at which current is taken to supply utilization equipment.

Outlet Device - Any device having one or more outlets to supply power to cord-connected equipment.

Panelboard - A single panel or group of panel units designed for assembly in the form of a single panel; including buses, automatic overcurrent devices, and equipped with or without switches for the control of light, heat, or power circuits; designed to be placed in a cabinet or cutout box placed in or against a wall or partition and accessible only from the front.

Passive Infrared (P.I.R.) - Typically this term is used in reference to detecting infrared. A P.I.R. detector functions as a receiver of infrared emitted from a transmitter, such as the human body.

Pilot Light Switch - A switch with an integral lamp in the actuator, which lights when the switch is in the "ON" position.

Pin & Sleeve - Industrial wiring devices utilizing round pin shaped blades and tubular designed sleeve contacts.

Plug Out - A device preventing the plug from being inserted into an outlet during maintenance on equipment.

Polarized Device - A device constructed for connection to a mating device only in the position that connects related poles of an electrical circuit.

Premises Wiring (System) - Interior and exterior wiring, including power, lighting, control, and signal circuit wiring together with all of their associated hardware, fittings, and wiring devices, both permanently and temporarily installed, that extends from the service point of utility conductors or source of a separately derived system to the outlet(s). Such wiring does not include wiring internal to appliances, fixtures, motors, controllers, motor control centers and similar equipment.

Rainproof - So constructed, protected, or treated as to prevent rain from interfering with the successful operation of the apparatus under specified test conditions.

Raintight - So constructed or protected that exposure to a beating rain will not result in the entrance of water under specified test conditions.

Receptacle - One or more female contact devices on the same yoke installed at an outlet for the connection of one or more attachment plugs.

Receptacle, Duplex - Two female contact devices on the same yoke installed at an outlet for the connection of two attachment plugs.

Receptacle, Flush - Receptacle provided with means for its flush mounting on a standard flush device box or outlet box or in a cover plate or wall of an enclosure.

Receptacle, Isolated Ground - Receptacle having the grounding terminal electrically isolated from the means to which it is mounted.

Receptacle, Self-Contained - Receptacle which includes an enclosure and mounting means such that it can be mounted flush to a supporting surface without the use of a flush device, outlet box, raceway, or other enclosure.

Receptacle, Single - One female contact device with no other contact device on the same yoke installed at an outlet for the connection of one attachment plug.

Receptacle, Surface Mounted - Receptacle constructed for installation on a plane surface.

Response Time - Time required to clamp voltage in TVSS or shut off power in GFCI faults.

RFI - Radio Frequency Interference (electrical noise).

RMS (Root Means Square) - Used as an A.C. value of voltage or current. Expressed, for example, as 120 volts AC RMS.

Rocker Switch - A switch that is operated by a paddle type actuator, such as a fashion switch.

Rotary Dimming - Achieved through the rotation of a knob of any style to control the lighting level components.

Rotary Switch - A switch having an actuating member that when turned in a clockwise direction completes the switch circuit and breaks the switch circuit when turned in the same or opposite direction.

RTL Listing - A Recognized Testing Laboratory has performed safety test on listed products.

Safety - A receptacle which by its construction limits improper access to its energized contacts.

Service - The conductors and equipment for delivering energy from the electricity supply system to the wiring system.

Service Equipment - The necessary equipment, usually consisting of a circuit breaker or switch and fuses, and their accessories, located near the point of entrance of supply conductors to a building or other structure, or an otherwise defined area, and intended to constitute the main control and means of cutoff of the supply.

Show Window - Any window used or designed to be used for the display of goods or advertising material, whether it is fully or partly enclosed or entirely open at the rear and whether or not it has a platform raised higher than the street floor level.

Slide Dimming - Achieved through the linear movement up and down or horizontally of a slide mechanism to control the lighting level.

Slide Switch - A switch having a sliding actuating member which makes or breaks the switch contact mechanism.

Split Circuit - A duplex receptacle that can be wired for switch control of two separate circuits.

Surge Suppression - The use of a device containing electronic components which limits peak voltage to a predetermined value when voltage spikes or surges appear on the connected line.

Terminal - Accessible conductive element provided on a device for making a connection to a supply, load, or grounding conductor.

Terminal, Clamp-Type or Pressure Wire - Terminal in which the conductor is clamped under a pressure plate or saddle by one or more screws or nuts.

Terminal, Pin Type - Terminal having a contact pin that penetrates the conductor insulation in order to make contact with the current-carrying conductor.

Terminal, Push-in - Terminal where the stripped end of a conductor is pushed into the terminal and connection is maintained by spring pressure without the use of screws.

Terminal, Set Screw - Terminal where the pressure is applied by the end of the screw bearing directly on the conductor.

Terminal, Wire Binding Screw - Terminal in which the conductor is clamped under the head of the screw and the clamping pressure is applied directly by the head of the screw.

Thermoplastic - A plastic that repeatedly can be softened by heating and hardened by cooling through a temperature range characteristic of the plastic.

Thermoset - A material that, after having been cured by heat or other means, is substantially infusible and insoluble.

Three Position Center "OFF" - A two-circuit, three-position switch of either the maintained or momentary type, in which the "OFF" position is indicated by the centered position of the actuator.

Touch Dimming - The ability of a dimmer to control lighting levels by sensing the touch of a hand to its sensor plate.

Trip Free - When mechanism disconnects power and cannot be stopped by externally holding handle of switch.

Trip Time - A measure of time to disconnect a source of power from a load. Common in GFCI testing.

TVSS - Transient Voltage Surge Suppressor.

UL Listed - Indicates an item has been tested and approved to the safety standards established by Underwriters' Laboratories.

UL Recognized - Refers to products that have been tested and approved for use as component parts of equipment or products that are to be UL Listed.

UL Standards - Documents used to test product for listing. Available for purchase by contacting Underwriters' Laboratories.

Wall Plate - A plate designed to enclose a device box, with or without a device installed in the box.

Watertight - So constructed that moisture will not enter the enclosure under specified test conditions.

Weatherproof - So constructed or protected that exposure to the weather will not interfere with safe operation.

Wire Mesh Grip - Woven wire mesh holding devices used to support, pull, or relieve strain exerted upon cables, conduit, tubing, and various other items.

BRYANT

Elements of the IP Code and Their Meanings Technical Specifications

IP SUITABILITY RATING

IP suitability ratings are a system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment. The numerals stand for the following:

1. First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.
2. Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

IP67 SUITABILITY

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion

Meaning for the Protection of Equipment		
Code Letters	First Number	Second Number
Ingress Protection	Against Ingress of Solid Foreign Objects	Against Ingress of Water with Harmful Effects
IP	0 - Non-protected 1- ≥ 50 mm diameter 2 - ≥ 12.5 mm diameter 3 - ≥ 2.5 mm diameter 4 - ≥ 1.0 mm 5 - Dust-protected 6 - Dust-tight	0 - Non-protected 1- Vertically dripping 2 - Dripping (15° Tilted) 3 - Spraying 4 - Splashing 5 - Jetting 6 - Power jetting 7 - Temporary immersion 8 - Continuous immersion

NOTE: ≥ denotes Greater than or equal to.

Specifications are subject to change without notice.

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CS315BIC	A11
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NEMA Configuration Chart
Straight Blade Devices

		15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG
2-POLE 2-WIRE	1 125V	B-6① 1-15R② C73.10③	B-6 1-15P C73.10								
	2 250V		2-15P	B-6 2-20R C73.21	B-6 2-20P C73.21	2-30R	2-30P				
	3 277V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	4 600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
2-POLE 3-WIRE GROUNDING	5 125V	B-7, 16, 28 5-15R C73.11	B-16, 17, 28 5-15P C73.11	B-11,13,21-23 16,28 5-20R C73.12	B-16, 24, 28 5-20P C73.12	B-29 5-30R C73.45	B-29 5-30P C73.45	B-30 5-50R C73.46	B-30 5-50P C73.46		
	6 250V	B-16, 18, 28 6-15R C73.20	B-16, 19, 28 6-15P C73.20	B-16, 25, 28 6-20R C73.51	B-16, 26, 28 6-20P C73.51	B-29 6-30R C73.52	B-29 6-30P C73.52	B-30 6-50R C73.53	B-30 6-50P C73.53		
	7 277V AC	B-20 7-15R C73.28	B-20 7-15P C73.28	7-20R	7-20P	7-30R	7-30P	7-50R	7-50P		
	24 347V AC	B-13 24-15R	B-20 24-15P	24-20R	24-20P	24-30R	24-30P	24-50R	24-50P		
	8 480V AC				(RESERVED FOR FUTURE CONFIGURATIONS)						
	9 600V AC				(RESERVED FOR FUTURE CONFIGURATIONS)						
3-POLE 3-WIRE	10 125/250V			B-31 10-20R C73.23	B-31 10-20P C73.23	B-32 10-30R C73.24	B-32 10-30P C73.24	B-32 10-50R C73.25	B-32 10-50P C73.25		
	11 3Ø 250V	11-15R	11-15P	11-20R	11-20P	11-30R	11-30P	11-50R	11-50P		
	12 3Ø 480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	13 3Ø 600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
3-POLE 4-WIRE GROUNDING	14 125/250V	14-15R	14-15P	14-20R	14-20P	B-33 14-30R C73.16	B-33 14-30P C73.16	B-33 14-50R C73.17	B-33 14-50P C73.17	B-33 14-60R C73.18	B-33 14-60P C73.18
	15 3Ø 250V	15-15R	15-15P	15-20R	15-20P	B-34 15-30R C73.60	B-34 15-30P C73.60	B-34 15-50R C73.61	B-34 15-50P C73.61	B-34 15-60R C73.62	B-34 15-60P C73.62
	16 3Ø 480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	17 3Ø 600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
4-POLE 4-WIRE	18 3ØY 120/208V	18-15R	18-15P	B-35 18-20R C73.26	B-35 18-20P C73.26	18-30R C73.47	18-30P C73.47	B-35 18-50R C73.48	B-35 18-50P C73.48	B-35 18-60R C73.27	B-35 18-60P C73.27
	19 3ØY 277/480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	20 3ØY 347/600V				(RESERVED FOR FUTURE CONFIGURATIONS)						
4-POLE 5-WIRE GRDG	21 3ØY 120/208V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	22 3ØY 277/480V				(RESERVED FOR FUTURE CONFIGURATIONS)						
	23 3ØY 347/600V				(RESERVED FOR FUTURE CONFIGURATIONS)						

① Indicates page number where devices are located.
② NEMA Number
③ ANSI Number

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NEMA Configuration Chart
Locking Devices

			15 AMPERE		20 AMPERE		30 AMPERE	
			RECEPTACLE	PLUG	RECEPTACLE	PLUG	RECEPTACLE	PLUG
2-POLE 2-WIRE	125V	ML1	G-4① ML-1R	G-4 ML-1P				
	125V	L1	G-5 L1-15R② C73.31③	G-5 L1-15P C73.31				
	250V	L2			G-6 L2-20R C73.31	G-6 L2-20P C73.32		
2-POLE 3-WIRE GROUNDING	125V	ML2	G-7 ML-2R	G-7 ML-2P				
	125V	L5	G-8,G-9 L5-15R C73.42	G-8,G-9 L5-15P C73.42	G-12 L5-20R C73.72	G-12 L5-20P C73.72	G-16 L5-30R C73.73	G-16 L5-30P C73.73
	250V	L6	G-10 L6-15R C73.74	G-10 L6-15P C73.74	G-12 L6-20R C73.75	G-12 L6-20P C73.75	G-16 L6-30R C73.76	G-16 L6-30P C73.76
	277V AC	L7	G-11 L7-15R C73.43	G-11 L7-15P C73.43	G-12 L7-20R C73.77	G-12 L7-20P C73.77	G-16 L7-30R C73.78	G-16 L7-30P C73.78
	480V AC	L8			G-13 L8-20R C73.79	G-13 L8-20P C73.79	G-17 L8-30R C73.80	G-17 L8-30P C73.80
	600V AC	L9			G-13 L9-20R C73.81	G-13 L9-20P C73.81	G-17 L9-30R C73.82	G-17 L9-30P C73.82
	28V DC	FSL1					G-15 FSL1	G-15 FSL1
	400Hz 120V	FSL2					G-15 FSL2	G-15 FSL2
3-POLE 3-WIRE	125/250V	ML3	G-22 ML-3R	G-22 ML-3P				
	125/250V	L10			G-25 L10-20R C73.96	G-25 L10-20P C73.96	G-27 L10-30R C73.97	G-27 L10-30P C73.97
	3Ø 250V	L11	L11-15R C73.98	L11-15P C73.98	G-25 L11-20R C73.99	G-25 L11-20P C73.99	G-27 L11-30R C73.100	G-27 L11-30P C73.100
	3Ø 480V	L12			G-25 L12-20R C73.101	G-25 L12-20P C73.101	G-28 L12-30R C73.102	G-28 L12-30P C73.102
	3Ø 600V	L13					G-28 L13-30R C73.103	G-28 L13-30P C73.103
3-POLE 4-WIRE GROUNDING	125/250V	L14			G-30 L14-20R C73.83	G-30 L14-20P C73.83	G-31 L14-30R C73.84	G-31 L14-30P C73.84
	3Ø 250V	L15			G-30 L15-20R C73.85	G-30 L15-20P C73.85	G-31 L15-30R C73.86	G-31 L15-30P C73.86
	3Ø 480V	L16			G-30 L16-20R C73.87	G-30 L16-20P C73.87	G-32 L16-30R C73.88	G-32 L16-30P C73.88
	3Ø 600V	L17					G-32 L17-30R C73.89	G-32 L17-30P C73.89
	400Hz 3Ø∆ 120V	FSL3					G-29 FSL3	G-29 FSL3
4-POLE 4-WIRE	3ØY 120/208V	L18			G-39 L18-20R C73.104	G-39 L18-20P C73.104	G-41 L18-30R C73.105	G-41 L18-30P C73.105
	3ØY 277/480V	L19			G-39 L19-20R C73.106	G-39 L19-20P C73.106	G-41 L19-30R C73.107	G-41 L19-30P C73.107
	3ØY 347/600V	L20			G-39 L20-20R C73.108	G-39 L20-20P C73.108	G-41 L20-30R C73.109	G-41 L20-30P C73.109
4-POLE 5-WIRE GROUNDING	3ØY 120/208V	L21			G-43 L21-20R C73.90	G-43 L21-20P C73.90	G-46 L21-30R C73.91	G-46 L21-30P C73.91
	3ØY 277/480V	L22			G-43 L22-20R C73.92	G-43 L22-20P C73.92	G-46 L22-30R C73.93	G-46 L22-30P C73.93
	3ØY 347/600V	L23			G-43 L23-20R C73.94	G-43 L23-20P C73.94	G-46 L23-30R C73.95	G-46 L23-30P C73.95
	400Hz 3ØY 120/208V	FSL4					G-45 FSL4	G-45 FSL4

① Indicates page number where devices are located.
② NEMA Number
③ ANSI Number

BRYANT®

Bryant Electric, Inc.
HUBBELL Electrical Products

MARKETING COMMUNICATIONS DEPARTMENT

FAX RESPONSE
FAX (800) 543-0538

FAX REQUEST FOR MORE INFORMATION

Yes! I would like more information. Please . . .

- ❑ Have a Sales Representative contact me.
- ❑ Provide the names of my local Authorized Bryant Distributor.
- ❑ Have a Sales Representative deliver a Bryant full line catalog.
- ❑ Send a catalog to another member of my organization:

  _____

- ❑ Have a Product Manager contact me regarding a special application.

I am a:

❑ Distributor ❑ Engineer ❑ OEM ❑ Contractor

❑ Other _____

My need is:

❑ Immediate ❑ 2-6 Months ❑ 6-12 Months

NAME _____

TITLE _____

COMPANY _____

STREET _____ **P.O. BOX** _____

CITY _____

STATE _____ **ZIP** _____

PHONE _____ **FAX** _____ **E-MAIL** _____

HUBBELL INC. Corporate Headquarters Orange, CT 06477

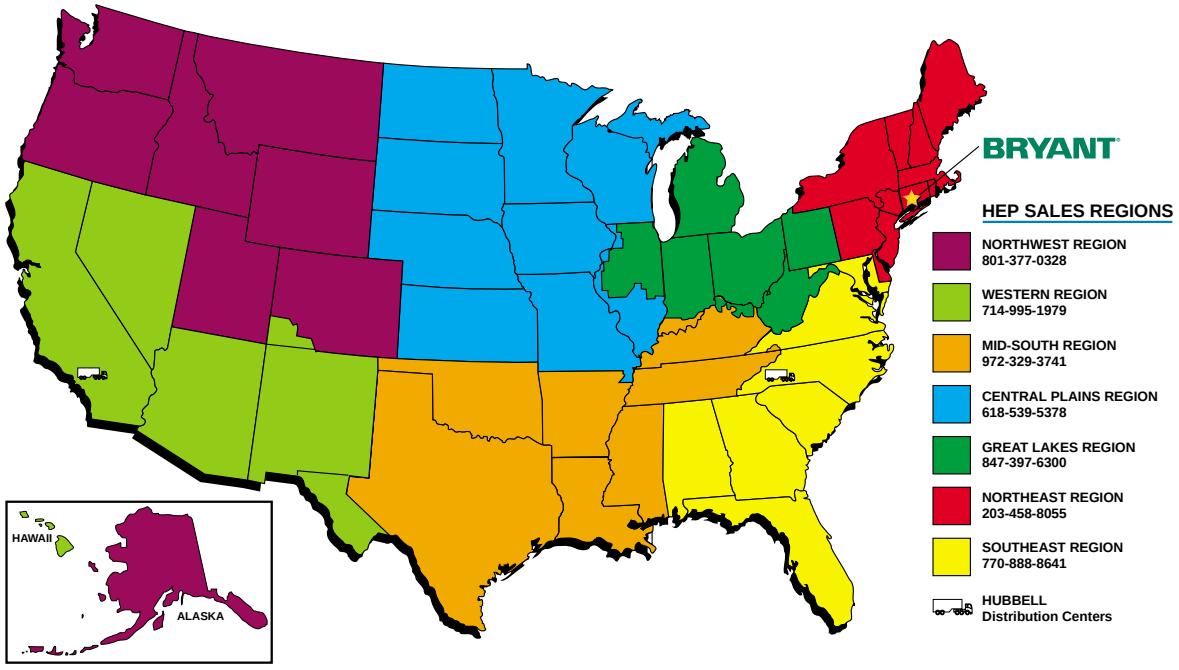
HUBBELL INC. GROUPS AND SUBSIDIARIES

Domestic

ELECTRICAL PRODUCTS			
Anderson C&I	(219) 234-7151	3902 West Sample Street	South Bend, Indiana 46634-4002
Bell	(219) 234-7151	3902 West Sample Street	South Bend, Indiana 46634-4002
Bryant	(203) 876-3600	185 Plains Road	Milford, Connecticut 06460-2465
Killark	(314) 531-0460	3940 Martin Luther King Drive	St. Louis, Missouri 63115
RACO	(219) 234-7151	3902 West Sample Street	South Bend, Indiana 46634-4002
UNENCO	(800) 245-9135	185 Plains Road	Milford, Connecticut 06460-2465
Wiegmann	(618) 539-3193	501 West Apple Street	Freeburg, Illinois 62243
LIGHTING			
Hubbell Lighting, Inc.	(540) 382-6111	2000 Electric Way	Christiansburg, Virginia 24073-2500
POWER SYSTEMS			
A.B. Chance Co.	(573) 682-5521	210 North Allen Street	Centralia, Missouri 65240
Anderson Electrical Products, Inc.	(205) 699-2411	940 Moores Street, N.E.	Leeds, Alabama 35094
Kerite Co.	(203) 888-2591	49 Day Street	Seymour, Connecticut 06483
Ohio Brass Co.	(330) 335-2361	8711 Wadsworth Road, State Rte. 57	Wadsworth, Ohio 44281
SPECIAL TECHNOLOGY			
Gleason Reel Corporation	(920) 387-4120	600 South Clark Street	Mayville, Wisconsin 53050-0026
Hipotronics, Inc.	(914) 279-8091	Route 22 (North)	Brewster, New York 10509
Hubbell Industrial Controls, Inc.	(440) 428-1161	50 Edwards Street	Madison, Ohio 44057
Pulse Communications, Inc.	(703) 471-2900	2900 Towerview Road	Herndon, Virginia 22071
WIRING SYSTEMS			
Hubbell Plastics, Inc.	(203) 426-2555	14 Prospect Drive	Newtown, Connecticut 06470-2399
Hubbell Premise Wiring, Inc.	(860) 535-8326	14 Lord's Hill Road	Stonington, Connecticut 06378-0901
Wiring Device - Kellems	(203) 882-4800	175 Plains Road	Milford, Connecticut 06460-2465

International

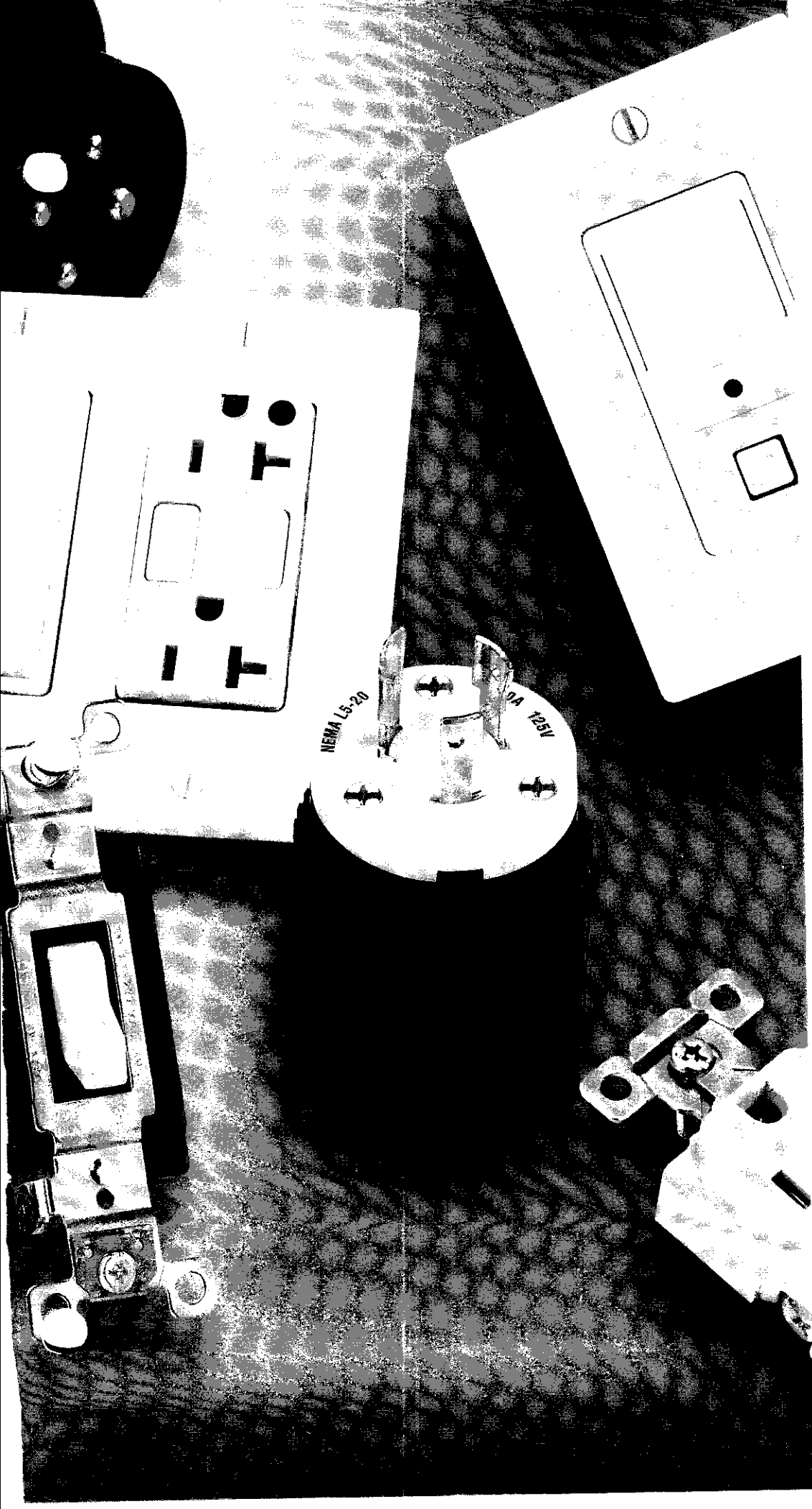
Hubbell Canada, Inc.	(905) 839-1138	870 Brock Road South	Pickering, Ontario L1W 1Z8
Hubbell de México, S.A. De C.V.	011-525-575-2022	Ave. Coyoacán 1051	Col. del Valle, 03100 México, D.F México
Hubbell Incorporated Middle East	011-971-4-369763	Arenco Bldg.-Zabeel Road	301-B Block, P.O. Box 23529, Dubai, U.A.E.
Hubbell-International, Inc., Korea	011-82-2-607-1362	2nd Floor Jungwon Bldg.	1115-8 Hwagok-Dong, Kangseo-Ku Seoul, Korea 157-010
Hubbell, Ltd.	011-441-234-855444	Woburn Road Industrial Estate	Kempston, Bedford, England MK42 7SH
Hubbell S.E. Asia Pte., Ltd.	011-65-454-4772	159 Sin Ming Road, #05-08 Amtech Bldg.	Singapore 575625 - Rep. of Singapore
Hubbell-Taian Co., Ltd.	011-886-2-515-0855	12th Floor, 66, Sec. 2, Chien-Koo North Rd.	Taipei, Taiwan R.O.C.



Electrical Products

BRANDS: ANDERSON / BELL / BRYANT / KILLARK / RACO / UNENCO / WIEGMANN

BRYANT
Headquarters Milford, CT 06460
Marketing/Sales (800) 543-0538



BRYANT®

WIRING DEVICES DISTRIBUTOR NET COST AND INDEX

BPL-1133D
May 1, 2001

Applies to Catalog
BDB-1507

Confidential: For Authorized Bryant Wiring Device Distributor Use Only

NAED Vendor Number 1786
D.C. Number 78-1786

PRODUCT CODE

11190 X 30
11180 X 36
11111 X 90
11830 X 85

ALL OTHERS X 1.15

BRYANT®
Hubbell Wiring Systems
Hubbell Incorporated (Delaware)
Milford, CT 06460-2465

BRYANT DISTRIBUTOR TERMS AND CONDITIONS

ACCEPTANCE:
All orders are subject to final acceptance only from authorized Bryant Electric Distributors.

PRICING:
Refer to Distributor Cost Sheets for Bryant Electric products.

Prices Subject to Change Without Notice

TERMS:
Standard terms are 2% discount for payments made by the 10th of the following month. Net 25th of the month. Terms are based on date of invoice.

DELIVERY:
F.O.B. shipping point with normal freight allowed to any point in the United States (including Hawaii and Alaska) in accordance with the following provisions applicable to single shipments.

Customers' orders will qualify for freight allowance on any total wiring device order with a distributor cost of $500 or more.

If customer requests premium freight shipping, consignee will be charged for the actual freight charge incurred. Bryant Electric reserves the right to use its own discretion in the routing of shipments on which Bryant Electric assumes transportation charges. If the customer specifies a more expensive routing, the customer must assume transportation charges.

PARTIAL SHIPMENTS:
Unless an order is marked "Hold for Complete Shipment," material in stock will be shipped immediately. Material not in stock will be shipped as soon as possible. Freight will be allowed on these shipments if the original order exceeds $500.

MINIMUM BILLING CHARGE:
Minimum Billing: $150.00
No bill will be rendered for an order less than $150.00 distributor net cost plus prepaid freight charges.

WEIGHTS:
Weights shown are approximate and subject to change without notice.

RETURNED GOODS:
Permission must be obtained in writing from Bryant before any goods are returned. Shipments must bear the Returned Goods permit label furnished by us (or packages marked with our Returned Goods Permit Number, for identification); otherwise goods will not be accepted. All Returned Goods must be in first class, resalable condition. If the return of goods is made necessary through any fault of ours, and permission is granted for its return, we will give full credit, including all transportation charges. If the return is due to no fault of ours, a service charge of $25.00 or 20% of the invoice price of such material, whichever is greater, will be deducted, together with all transportation charges paid by us. Goods must be securely and carefully packaged so as to reach us in good condition. We reserve the right to deduct for any damage sustained in transit. Additionally, a 15% repackaging charge will be deducted on any returned goods requiring repackaging of the unit carton.

No deduction for Returned Goods is allowable from a remittance until a credit memorandum has been issued by us. If it's determined that the goods returned did not meet the above conditions (first class and resalable), the Returned Goods Authorization will then be voided and material returned to sender.

No special orders, used, damaged or out-of-date material will be accepted. If any such material is received, it will be returned to the sender at his expense. Underwriters' Laboratories, Inc. requires that all Ground Fault products returned be retested and calibrated.

CLAIMS:
Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods, and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

SALES TAX:
An order placed by you, the buyer, and accepted by Bryant Electric, is subject to payment by the buyer of any Sales Tax, Federal or State, which may be levied thereon prior to delivery.

Note: The possession of this Terms and Conditions Sheet or the applicable Distributor Cost Sheet by any person is not to be construed as an offer to sell him nor to anyone else, the products listed therein at the prices stated.

printed on recycled paper

BRYANT

PRODUCT GROUP REFERENCE CHART

Product Group	Description
11111	Locking Devices 15/20/30 NEMA
11112	Locking Devices 2P 2W
11113	Locking Devices 50 AMP
11114	Locking Devices - Non-NEMA
11115	Locking Devices - 50 Amp - N Series
11116	Locking Devices - Midget
11130	Power Interrupting Devices
11140	Straight Blade 15/20 AMP Plug/Conn. & Accessories
11145	Straight Blade Cobra Plug/Conn.
11160	Straight Blade Misc. Plug/Conn.
11170	Straight Blade 30/50/60 AMP Plug/Conn.
11175	Straight Blade Misc. 30/50/60 AMP Plug/Conn
11177	Straight Blade 30/50/60 AMP Power Receptacles
11180	Tech. Spec. Receptacles
11190	Tech. Spec. Switches
11200	Motor Control Switches - Toggle
11210	Motor Control Switches - Rotary
11220	Motor Control - Fused Switches
11222	Contactors
11224	Pendant Stations
11230	Quadplex Receptacles
11240	Pin & Sleeve, IEC International
11245	Pin & Sleeve, Switched Mechanical Interlocks
11260	Pin & Sleeve, IEC North American
11280	Pin & Sleeve, Refrig. Cont.
11290	Lampholders
11295	Elastomeric S.B. Plug/Conn
11296	Elastomeric Locking
11417	15/20 AMP H.G. Plug & Connector
11430	8200 Series H.G. Receptacles
11470	GFI Receptacles H.G. GFR Series
11510	5252/5242 Series Receptacles
11515	1100 Series Switches
11520	CR Series Commercial Receptacles
11530	CS Series Commercial Switches
11540	Fashion Receptacles
11550	Fashion Switches
11560	Misc. 15/20 AMP S.B. Devices
11562	Surge Strips - Lamar Bryant
11563	Bryant 4&6 Outlet Strips
11564	Other Bryant Outlet Strips
11565	Surge Panels
11570	GFI Receptacles GFR Series
11575	High Amperage GFCI Receptacles
11577	GFI Portables
11578	Portable Ground Fault Devices
11610	Surge Duplex Receptacles
11615	Plug-In Surge
11620	Tech. Spec. Isolated Ground
11621	CR Series Isolated Ground
11630	Data Communication Devices
11650	Telephone Devices
11710	Dimmers
11715	Fan Speed Controls
11752	Controls
11754	Timers
11755	PIR Switch & Sensor
11757	PIR Ceiling Mount Sensor
11760	Ultrasonic Wall Mount
11762	Ultrasonic Ceiling Mount
11765	Dual Tech
11767	Accessories/Power Supplies
11769	Bryant Motion Sensing Products
11810	Metal Wall Plates
11830	Nylon Wall Plates
11835	Painted Wall Plates & Access
11840	Plastic Plates
11848	Custom Metal Wall Plates
11860	Strain Relief Grips
11865	Support Grips
11880	Pulling Grips
11885	Speciality Grips
12500	Specialty Switches
13000	Weatherproof Boxes & Covers
14500	Commercial Weatherproof Boxes
14550	Industrial Weatherproof Covers

BRYANT

Wiring Devices
Distributor Net Cost and Index

	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	1101	64740	A	11515	A9	5.15	100	10	20.0
	1101-I	64743	A	11515	A9	5.15	100	10	20.0
	1102-BRN	64750	C	11515	A9	8.70	50	10	
	1102-I	64753	C	11515	A9	8.70	50	10	12.0
	1103-BRN	64760	A	11515	A9	7.50	50	10	
	1103-I	64763	A	11515	A9	7.50	50	10	12.0
	1104-BRN	64770	B	11515	A9	20.30	50	10	
	1104-I	64773	B	11515	A9	20.30	50	10	12.0
	1121	64790	A	11515	A9	7.55	100	10	20.0
	1121-GRY	64792	A	11515	A9	7.55	100	10	20.0
	1121-I	64793	A	11515	A9	7.55	100	10	20.0
	1121-W	64795	A	11515	A9	7.55	100	10	20.0
	1122	64800	C	11515	A9	9.40	50	10	12.0
	1122-GRY	64802	A	11515	A9	9.40	100	10	24.0
	1122-I	64803	C	11515	A9	9.40	50	10	12.0
	1122-W	64805	A	11515	A9	9.40	100	10	24.0
	1123	64810	A	11515	A9	8.55	50	10	12.0
	1123-GRY	64812	A	11515	A9	8.55	100	10	24.0
	1123-I	64813	A	11515	A9	8.55	50	10	12.0
	1123-W	64815	A	11515	A9	8.55	100	10	24.0
	1124-BRN	64820	B	11515	A9	23.60	50	10	
	1124-GRY	64822	A	11515	A9	23.60	100	10	24.0
	1124-I	64823	B	11515	A9	23.60	50	10	12.0
	1124-W	64825	A	11515	A9	23.60	100	10	24.0
	1205-BRY	64860	C	11560	A13	10.60	100	10	
	1206-BRY	64865	C	11560	A13	10.10	100	10	
@	1254-B	33625	A	11230	B13	9.80	10	1	4.6
@	1254-BLK	33633	B	11230	B13	9.80	10	1	4.6
@	1254-GY	33629	B	11230	B13	9.80	10	1	4.6
@	1254-HB	33645	A	11230	C9	12.70	10	1	4.6
@	1254-HGY	33648	B	11230	C9	12.70	10	1	4.6
@	1254-HI	33646	A	11230	C9	12.70	10	1	4.6
@	1254-HIP	33591	B	11230	C9	14.30	10	1	5.1
@	1254-HR	33649	B	11230	C9	12.70	10	1	4.6
@	1254-HSA	19006	A	11230	C9	29.40	10	1	5.1
@	1254-HSIA	19009	A	11230	C9	29.40	10	1	5.1
@	1254-HW	33647	B	11230	C9	12.70	10	1	4.6
@	1254-I	33626	A	11230	B13	9.80	10	1	4.6
@	1254-IGO	33631	A	11230	F9	12.65	10	1	4.6
@	1254-IGOB	33632	A	11230	B13	12.65	10	1	4.6
@	1254-R	33630	B	11230	B13	9.80	10	1	4.6
@	1254-SA	19000	A	11230	F6	28.05	10	1	4.6
□@	1254-SI	33635	B	11230		28.05	10	1	4.6
		SUPERCEDED BY 1254-SIA							
@	1254-SIA	19003	A	11230	F6	28.05	10	1	4.6
@	1254-W	33628	B	11230	B13	9.80	10	1	4.6
	1433BRY	18720	A	11295	H11	7.10	10	1	3.6
	1447BRY	18700	A	11295	H11	5.50	10	1	2.1
	14W33BRY	18750	A	11295	H11	8.40	1		.5
	14W47BRY	18730	A	11295	H11	9.25	10	1	2.4
	1530	61826	C	11111	H7	43.30	5	1	5.0
	1533BRY	18725	A	11295	H11	10.25	10	1	5.0
	1547BRY	18705	A	11295	H11	9.60	10	1	2.4
	15W33BRY	18755	A	11295	H11	14.65	1		.8
	15W47BRY	18735	A	11295	H11	13.75	5	1	1.7
□	1708-BRY	61830	C	11290		9.65	100	10	
@	174	61831	C	11290	K6	12.95	25	5	13.6
	1795WP	40000	A	11810	A9	13.25	20	1	5.6
-	17-G	61832	B	11560	K8	4.60	100		14.0
-	17-GI	73114	B	11560	K8	4.70	100		12.0
@	1917	61836	C	11290	K8	9.20	25	5	19.4
@	1924	61837	C	11290	K8	12.90	25	5	28.8
-	20403	61847	A	11130	G33	51.40	20	1	5.7
-	20405	61845	B	14550	H14	24.70	5	1	2.9
-	20406	61846	B	14550	G33	11.65	5	1	1.8

	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
-	20418	61852	C	11130	G33	58.00	5	1	5.0
-	20424	61824	C	11113	G33	24.10	10	1	3.2
-	20425	61825	C	11113	G33	18.85	10	1	3.0
@	21254-B	33657	A	11230	B13	11.65	10	1	4.5
@	21254-BLK	33662	B	11230	B13	11.65	10	1	4.5
@	21254-GY	33660	B	11230	B13	11.65	10	1	4.5
@	21254-HB	33675	A	11230	C9	13.70	10	1	4.5
@	21254-HBL	33681	A	11230	C9	14.60	10	1	4.5
@	21254-HGY	33678	B	11230	C9	13.70	10	1	4.5
@	21254-HI	33676	A	11230	C9	13.70	10	1	4.5
@	21254-HIGO	33680	B	11230	F9	16.60	10	1	4.5
@	21254-HIL	33682	A	11230	C9	14.60	10	1	4.5
@	21254-HIP	33810	B	11230	C9	16.05	10	1	4.5
@	21254-HR	33679	B	11230	C9	13.70	10	1	4.5
@	21254-HRP	33840	B	11230	C9	16.05	10	1	4.5
@	21254-HSA	19026	A	11230	F6	31.60	10	1	4.8
@	21254-HSIA	19029	A	11230	F6	31.60	10	1	4.8
@	21254-HW	33677	B	11230	C9	13.70	10	1	4.5
@	21254-HWP	33820	B	11230	C9	16.05	10	1	
@	21254-I	33658	A	11230	B13	11.65	10	1	4.5
@	21254-IGO	33663	A	11230	F9	14.95	10	1	4.5
@	21254-IGOL	33672	A	11230	F9	15.75	10	1	4.5
@	21254-R	33661	B	11230	B13	11.65	10	1	4.5
@	21254-SA	19020	A	11230	F6	30.60	10	1	4.5
@	21254-SIA	19023	A	11230	F6	30.60	10	1	4.5
@	21254-SILA	19035	A	11230	F6	31.90	10	1	4.5
@	21254-SLA	19032	A	11230	F6	31.90	10	1	4.5
@	21254-W	33659	B	11230	B13	11.65	10	1	4.5
	2128-CR	73005	C	11111	H7	37.50	5	1	4.0
	2129-CR	73010	C	11111	H7	36.25	5	1	10.0
-	21414	61860	A	11130	G33	67.90	5	1	11.0
-	21415	61861	A	11130	G33	51.70	10	1	8.0
-	21420	61863	A	11130	G33	115.85	10	2	18.0
-	21447	61867	B	11130	G33	111.00	10	1	1.8
-	23000-G	61882	A	11130	G14	37.90	20	1	6.0
-	23000-HG	63834	A	11130	C10	34.90	100	1	30.5
-	23001-HG	63835	A	11130	C10	49.40	20	1	9.0
-	23002-G	61883	A	11130	G14	51.90	20	1	7.7
-	23005	61887	A	11130	G14	33.90	20	1	10.0
-	23005-G	61888	A	11130	G14	33.90	20	1	5.6
-	23007	61891	B	14550	H14	14.70	25	1	11.5
-	23014-HG	63836	A	11130	C10	50.90	20	1	10.1
-	2447BRY	18710	A	11296	H11	6.60	10	1	2.1
-	24W47BRY	18740	A	11296	H11	9.45	10	1	2.4
-	25250	68340	C	11130	G47	126.60	5	1	7.5
-	25403	68380	A	11130	G47	106.90	10	1	10.1
-	25414	68395	A	11130	G47	85.30	10	2	11.0
-	25415	68400	A	11130	G47	67.60	5	2	11.0
-	2547BRY	18715	A	11296	H11	10.40	10	1	2.4
-	25W47BRY	18745	A	11296	H11	14.00	5	1	1.7
-	26401	58401	A	11130	G48	56.90	5	1	8.7
-	26402	58402	A	11130	G48	42.90	5	1	10.7
-	26404	58404	A	11130	G48	66.95	5	1	7.0
-	26410	58410	A	11130	G48	154.10	5	1	
-	26418	58418	A	11130	G48	163.80	5	1	11.9
-	26419	58419	A	11130	G48	136.90	5	1	9.9
	2647BRY	18722	A	11295	H11	8.90	1		.3
-	26516	57416	B	11130	G49	206.40	5	1	11.9
-	26519	57419	B	11130	G49	188.70	5	1	9.9
-	26520	57420	B	11130	G49	209.95	5	1	11.9
-	26W47BRY	18742	A	11296	H11	14.00	1		.3
-	2747BRY	18727	A	11296	H11	14.00	1		.3
-	27W47BRY	18747	A	11296	H11	20.25	1		.3
	2828-G	61901	C	11510	B12	21.20	10	1	4.5
	2828-GS	61902	B	11510	B12	19.25	10	1	4.0

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CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
2968	61905	C	11560	A13	17.90	100	10	54.1
2969	61906	C	11560	A13	17.90	100	10	54.1
30002	62060	A	11200	J3	14.00	25	1	11.0
30002-B	08000	A	11200		14.70	25	1	
30002-BX	08006	A	11200		14.70			
30003	62062	A	11200	J3	32.15	25	1	11.5
30003-B	08005	A	11200		32.15	25	1	
30003-BX	08007	A	11200		33.75			
3001	61920	B	11190	A6	12.45	100	10	19.4
3001-I	61923	B	11190	A6	12.45	100	10	20.0
3001-PLR120	64990	B	11190	A6	17.10	50	10	10.7
3002-BRN	61925	B	11190	A6	16.55	50	10	
3002-GRY	61926	C	11190	A6	16.55	50	10	12.0
3002-I	61927	C	11190	A6	16.55	50	10	12.0
3002-PLR120	30022	B	11190	A6	19.30	50	10	
3002-PLR277	65010	B	11190	A6	19.30	50	10	12.0
3003-BRN	61928	B	11190	A6	16.25	50	10	
3003-GRY	61930	C	11190	A6	16.25	50	10	12.0
3003-I	61931	B	11190	A6	16.25	50	10	12.0
30100	62063	A	11200	J3	10.90	10	1	7.1
□ 30102	62064	A	11200	J3	19.25	10	1	10.0
	SUPERCEDED BY 30102-B							
30102-B	08001	A	11200	J3	19.25	10	1	10.0
□ 30103	62066	A	11200	J3	46.25	10	1	10.0
	SUPERCEDED BY 30103-B							
30103-B	08002	A	11200		43.25	10	1	10.0
3015	65020	C	11111	H7	52.65	5	1	5.0
3025-BRN	65030	B	11190	A7	35.45	50	10	20.0
3025-I	65033	B	11190	A7	35.45	50	10	20.0
30300	73500	A	11200	J3	17.60	5		7.5
□ 30302	73505	A	11200	J3	28.30	5		7.5
	SUPERCEDED BY 30302-B							
30302-B	08003	A	11200	J3	28.30	5		7.5
□ 30303	73510	A	11200	J3	52.75	5		7.5
	SUPERCEDED BY 30303-B							
30303-B	08004	A	11200		52.75	5		7.5
3100B6W	25010	B	11260	I5	196.30	1		3.0
3100B7W	25011	B	11260	I5	196.30	1		3.0
3100C6W	25012	B	11260	I5	196.30	1		4.0
3100C7W	25013	B	11260	I5	196.30	1		4.0
3100P6W	25014	B	11260	I5	164.85	1		3.5
3100P7W	25015	B	11260	I5	164.85	1		3.5
3100R6W	25016	B	11260	I5	136.70	1		3.7
3100R7W	25017	B	11260	I5	136.70	1		3.7
3100SMI6W	05542	A	11245	I14	592.70	1		7.0
316B4W	25018	B	11240	I5	38.85	1		.5
316B6W	25019	B	11240	I5	52.25	1		.5
316C4S	25212	B	11240	I10	49.45	1		.7
316C4W	25020	B	11240	I5	58.85	1		1.2
316C6S	25213	B	11240	I10	49.45	1		.7
316C6W	25021	B	11240	I5	57.75	1		1.2
316P4S	25214	B	11240	I10	44.40	1		.5
316P4W	25022	B	11240	I5	52.85	1		.7
316P6S	25216	B	11240	I10	44.40	1		.5
316P6W	25023	B	11240	I5	52.00	1		.7
316R4S	25217	B	11240	I10	34.80	1		.6
316R4W	25024	B	11240	I5	42.05	1		.8
316R6S	25218	B	11240	I10	34.80	1		.6
316R6W	25025	B	11240	I5	40.55	1		.8
320B4W	25026	B	11260	I4	40.75	1		.6
320B6W	25027	C	11260	I4	41.50	1		.6
320B7W	25028	C	11260	I4	41.50	1		.6
320C4W	25029	A	11260	I4	61.80	1		.6
320C6W	25030	A	11260	I4	62.90	1		.6
320C7W	25031	C	11260	I4	62.90	1		.6
320P4W	25032	A	11260	I4	55.35	1		.5
320P6W	25033	A	11260	I4	56.70	1		.4
320P7W	25034	B	11260	I4	56.70	1		.4
320R4W	25035	A	11260	I4	43.30	1		.5
320R6W	25036	A	11260	I4	45.00	1		.5
320R7W	25037	B	11260	I4	45.00	1		.5
330B4W	25038	B	11260	I4	82.90	1		.8
330B6W	25039	B	11260	I4	82.90	1		.8
330B7W	25250	B	11260	I4	82.90	1		.8
330C4W	25040	B	11260	I4	85.25	1		1.0
330C6W	25041	B	11260	I4	85.25	1		1.0
330C7W	25042	B	11260	I4	85.25	1		1.0
330P4W	25043	B	11260	I4	82.55	1		1.0
330P6W	25044	A	11260	I4	82.55	1		1.0
330P7W	25045	C	11260	I4	82.55	1		1.0
330R4W	25046	B	11260	I4	70.95	1		.7
330R6W	25047	A	11260	I4	70.95	1		.7
330R7W	25048	B	11260	I4	70.95	1		.7
330SMI4W	05506	A	11245	I14	348.85	1		3.0
330SMI6W	05508	A	11245	I14	348.85	1		3.0
330SMI7W	05510	A	11245	I14	348.85	1		3.0
332B4W	25049	B	11240	I5	77.85	1		.8
332B6W	25050	B	11240	I5	76.40	1		.8
332C4S	25219	B	11240	I10	68.50	1		.7
332C4W	25051	B	11240	I5	80.15	1		1.2
332C6S	25221	B	11240	I10	68.50	1		.7
332C6W	25052	B	11240	I5	78.65	1		1.2
332P4S	25222	B	11240	I10	66.10	1		.8
332P4W	25053	B	11240	I5	77.50	1		1.0
332P6S	25223	B	11240	I10	66.15	1		.8
332P6W	25054	B	11240	I5	76.15	1		1.0
332R4S	25224	B	11240	I10	58.10	1		.8
332R4W	25055	B	11240	I5	66.35	1		.7
332R6S	25225	B	11240	I10	58.10	1		.5
332R6W	25056	B	11240	I5	63.85	1		.7
3330	61968	A	11111	G26	21.80	10		11.0
3330-G	61969	A	11111	G26	22.90	10		11.0
3331	61970	A	11111	G26	15.90	10		11.0
3333	61972	A	11111	G26	30.90	10		14.0
3430-BRY	61990	A	11111	G40	27.80	10		11.0
3430-G	61991	A	11111	G40	29.05	10		11.0
3431	61992	A	11111	G40	21.10	10		11.0
3433	61994	A	11111	G40	46.55	10		14.0
3474W	33687	C	11230	B13	19.95	10		4.5
3520-BRY	62003	C	11111	G42	24.50	10		10.0
3521	62004	C	11111	G42	22.20	10		9.4
3523	65170	C	11111	G42	36.95	10		12.0
360B4W	25057	B	11260	I4	120.00	1		1.5
360B6W	25058	B	11260	I4	120.00	1		1.5
360B7W	25059	B	11260	I4	120.00	1		1.5
360C4W	25060	B	11260	I4	140.50	1		2.5
360C6W	25061	B	11260	I4	140.50	1		2.5
360C7W	25062	B	11260	I4	140.50	1		2.5
360P4W	25063	B	11260	I4	117.15	1		2.0
360P6W	25064	B	11260	I4	117.15	1		2.0
360P7W	25065	B	11260	I4	117.15	1		2.0
360R4W	25066	B	11260	I4	108.40	1		2.2
360R6W	25067	B	11260	I4	108.40	1		2.2
360R7W	25068	B	11260	I4	108.40	1		2.2
360SMI4W	05524	A	11245	I14	504.20	1		5.0
360SMI6W	05526	A	11245	I14	504.20	1		5.0
360SMI7W	05528	A	11245	I14	504.20	1		5.0
363B6W	25069	B	11240	I5	109.95	1		1.5
363C6W	25070	B	11240	I5	128.80	1		2.5
363P6W	25071	B	11240	I5	107.45	1		2.0

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BRYANT Wiring Devices Distributor Net Cost and Index

	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BOB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	363R6W	25072	B	11240	I5	97.50	1		
@	3742	62015	C	11290	K7	12.55	100	10	25.4
@	3743-R	20096	C	11290	K7	8.95	100	10	14.8
-	3762	65245	B	11113	G20	62.90	10	1	13.7
-	3762-N	73070	B	11115	G21	60.70	5	1	3.0
-	3763	65250	B	11113	G20	51.90	10	1	12.0
-	3763-N	73071	B	11115	G21	50.10	5	1	3.0
-	3764	65255	B	11113	G36	64.90	10	1	15.0
-	3764-N	73072	B	11115	G37	61.70	5	1	3.0
-	3765	65260	B	11113	G36	54.90	10	1	12.0
-	3765-N	73073	B	11115	G37	51.20	5	1	3.0
-	3767	65270	C	11113	G20	75.90	10	1	11.8
-	3768	65275	C	11113	G36	68.90	5	1	6.0
-	3769	65280	B	11113	G36	56.50	10	1	8.5
-	3771	65290	B	11113	G20	59.10	10	1	8.0
-	3775-N	63842	C	11115	G37	50.05	10	1	7.0
-	3777-N	63843	C	11115	G21	54.35	10	1	7.0
	3799-G	62025	A	11510	B12	29.70	10	1	4.4
	3799-GS	73074	C	11510	B12	29.10	10		4.5
-@	3842	62033	C	11290	K7	52.90	10	1	11.0
-	3850	62039	C	11530	A13	7.60	100	10	3.0
	3926-BRY	62046	B	11170	B32	20.00	20	1	16.5
@	3929	62047	C	11290	K8	6.15	25	5	10.5
@	3937	62048	C	11290	K8	11.60	25	5	25.0
@	4SQBX-B	33705	A	11230	B14	4.60	10	1	2.2
@	4SQBX-BLK	33712	A	11230	B14	4.60	10	1	2.2
@	4SQBX-BLU	33711	A	11230	B14	4.60	10	1	2.2
@	4SQBX-FBLK	33720	B	11230	B14	4.85	10	1	2.2
@	4SQBX-FI	33714	B	11230	B14	4.85	10	1	2.2
@	4SQBX-FR	33718	B	11230	B14	4.85	10	1	2.2
@	4SQBX-GRY	33716	A	11230	B14	4.60	10	1	2.2
@	4SQBX-I	33706	A	11230	B14	4.60	10	1	2.2
@	4SQBX-O	33709	A	11230	B14	4.60	10	1	2.2
@	4SQBX-R	33710	A	11230	B14	4.60	10	1	2.2
@	4SQBX-W	33707	A	11230	B14	4.60	10	1	2.2
	40	62073	C	11830	M16	0.90	500	10	11.2
@	40002	62075	A	11200	J4	26.15	25	1	11.0
@	40003	62076	A	11200	J4	42.60	25	1	11.5
	4002	92533	C	11200	J4	17.85	100	10	21.0
	40045-ER	68451	C	11111	G44	48.90	30	10	11.0
	40045-FR	68452	C	11111	G44	19.60	30	10	10.2
	40045-MB	68456	C	11111	G44	27.00	30	10	8.0
	40045-NC	68458	C	11111	G44	35.50	30	10	11.0
	40045-NP	68460	C	11111	G44	19.60	30	10	12.0
@	4051	65355	B	11290	K1	2.20	500		15.0
@	4070	65385	B	11290	K1	1.50	500		16.0
	4100B12W	25073	B	11260	I5	203.70	1		2.5
	4100B5W	25074	B	11260	I5	203.70	1		2.5
	4100B7W	25075	B	11260	I5	203.70	1		2.5
	4100B9W	25076	B	11260	I5	203.70	1		2.5
	4100C12W	25077	A	11260	I5	223.80	1		4.0
	4100C5W	25078	A	11260	I5	223.80	1		4.0
	4100C7W	25079	A	11260	I5	223.80	1		4.0
	4100C9W	25080	A	11260	I5	223.80	1		4.0
	4100P12W	25081	A	11260	I5	173.70	1		3.0
	4100P5W	25082	A	11260	I5	173.70	1		3.0
	4100P7W	25083	A	11260	I5	173.70	1		3.0
	4100P9W	25084	A	11260	I5	173.70	1		3.0
	4100R12W	25085	A	11260	I5	160.10	1		3.5
	4100R5W	25086	A	11260	I5	160.10	1		3.5
	4100R7W	25087	A	11260	I5	160.10	1		3.5
	4100R9W	25088	A	11260	I5	160.10	1		3.5
	4100SMI5W	05544	A	11245	I14	619.45	1		7.5
	4100SMI7W	05548	A	11245	I14	619.45	1		7.5
	4100SMI9W	05546	A	11245	I14	619.45	1		7.5

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	4125B6W	25089	B	11240	I5	203.70	1		2.5
	4125C6W	25090	A	11240	I5	209.15	1		4.0
	4125P6W	25091	A	11240	I5	162.30	1		3.0
	4125R6W	25092	A	11240	I5	149.60	1		3.5
	416B6W	25093	B	11240	I5	44.50	1		.6
	416C6S	25226	A	11240	I10	56.35	1		.8
	416C6W	25094	A	11240	I5	65.65	1		1.3
	416P6S	25227	A	11240	I10	47.75	1		.6
	416P6W	25095	A	11240	I5	54.40	1		.7
	416R6S	25228	A	11240	I10	47.30	1		.6
	416R6W	25096	A	11240	I5	54.40	1		.7
	420B12W	25097	B	11260	I4	47.65	1		.6
	420B5W	25098	B	11260	I4	47.65	1		.6
	420B7W	25099	B	11260	I4	47.65	1		.6
	420B9W	25100	B	11260	I4	47.65	1		.6
	420C12W	25101	A	11260	I4	70.35	1		1.3
	420C5W	25102	B	11260	I4	70.35	1		1.3
	420C7W	25103	A	11260	I4	70.35	1		1.3
	420C9W	25104	A	11260	I4	70.35	1		1.3
	420P12W	25105	A	11260	I4	59.90	1		.7
	420P5W	25106	B	11260	I4	59.90	1		.7
	420P7W	25107	A	11260	I4	59.90	1		.7
	420P9W	25108	A	11260	I4	59.90	1		.7
	420R12W	25109	A	11260	I4	61.50	1		.8
	420R5W	25110	B	11260	I4	61.50	1		.8
	420R7W	25111	A	11260	I4	61.50	1		.8
	420R9W	25112	A	11260	I4	61.50	1		.8
	420SMI5W	05504	A	11245	I14	333.40	1		4.5
	420SMI7W	05502	A	11245	I14	333.40	1		4.5
	420SMI9W	05500	A	11245	I14	333.40	1		4.5
@	4229	62109	C	11290	K7	14.05	30	10	9.3
@	427	62113	C	11290	A13	10.85	50	10	8.0
@	427-LL	62114	C	11290	A13	10.60	50	10	7.9
@	4300-W	62119	B	11290	K1	3.90	500		26.3
@	4301-W	62124	B	11290	K1	2.25	500		15.0
@	4304-W	62138	B	11290	K1	2.15	500		22.3
@	4304-W12	65424	B	11290	K1	2.15	500		12.0
@	4304-W7	65421	B	11290	K1	2.15	500		13.0
@	4309	62159	B	11290	K5	7.15	500		27.5
	430B12W	25113	B	11260	I4	92.00	1		.8
	430B5W	25114	C	11260	I4	92.00	1		.8
	430B7W	25115	B	11260	I4	92.00	1		.8
	430B9W	25116	B	11260	I4	92.00	1		.8
	430C12W	25117	A	11260	I4	93.85	1		1.0
	430C5W	25118	B	11260	I4	93.85	1		1.0
	430C7W	25119	A	11260	I4	93.85	1		1.0
	430C9W	25120	A	11260	I4	93.85	1		1.0
	430P12W	25121	A	11260	I4	89.65	1		1.0
	430P5W	25122	B	11260	I4	89.65	1		1.0
	430P7W	25123	B	11260	I4	89.65	1		1.0
	430P9W	25124	A	11260	I4	89.65	1		1.0
	430R12W	25125	A	11260	I4	75.65	1		.7
	430R5W	25126	A	11260	I4	75.65	1		.7
	430R7W	25127	A	11260	I4	75.65	1		.7
	430R9W	25128	A	11260	I4	75.65	1		.7
	430SMI5W	05518	A	11245	I14	391.00	1		5.5
	430SMI7W	05514	A	11245	I14	391.00	1		5.5
	430SMI9W	05512	A	11245	I14	391.00	1		5.5
	432B3W	25251	B	11240	I5	86.50	1		.8
	432B6W	25129	B	11240	I5	86.50	1		.8
	432C3W	25130	B	11240	I5	83.80	1		1.0
	432C6W	25131	A	11240	I5	83.80	1		1.0
	432P3W	25132	B	11240	I5	84.00	1		1.0
	432P6W	25133	A	11240	I5	84.00	1		1.0
	432R3W	25134	B	11240	I5	68.35	1		.7

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# Sold in standard package quantity only. ☐ To be discontinued as soon as existing stocks are exhausted.

BPL-1133D Effective May 1, 2001 Supersedes BPL-1132D September 1, 1999

14551-D/N X410

BRYANT

Wiring Devices
Distributor Net Cost and Index

	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	432R6W	25135	A	11240	I5	68.35	1		.7
	432SMI3W	05516	A	11245	I14	391.00	1		3.5
@	4376	62186	B	11290	K2	4.85	100	1	14.8
@	4377	62188	B	11290	K2	4.85	100	1	15.6
@	4385-W7	62220	B	11290	K2	5.65	100		6.9
@	4386-W7	62225	B	11290	K2	5.65	100		7.5
@	4400-W	62228	B	11290	K1	1.55	500		12.0
@	4455	62230	C	11290	K4	9.35	200		24.8
-	4510-B	62241	B	14550	L1	10.85	25	1	10.0
-	4510-D	61605	A	14550	L1	13.50	25	1	10.7
	4600-A	62251	C	11190	A13	4.85	500	25	14.0
	4600-B	62252	C	11190	A13	9.55	250	25	15.1
	460B12W	25136	B	11260	I4	134.30	1		1.7
	460B5W	25137	B	11260	I4	134.30	1		1.7
	460B7W	25138	B	11260	I4	134.30	1		1.7
	460B9W	25139	B	11260	I4	134.30	1		1.7
	460C12W	25140	A	11260	I4	160.40	1		2.2
	460C5W	25141	B	11260	I4	160.40	1		2.2
	460C7W	25142	A	11260	I4	160.40	1		2.2
	460C9W	25143	A	11260	I4	160.40	1		2.2
	460P12W	25144	A	11260	I4	137.00	1		2.0
	460P5W	25145	A	11260	I4	137.00	1		2.0
	460P7W	25146	A	11260	I4	133.70	1		2.0
	460P9W	25147	A	11260	I4	133.70	1		2.0
	460R12W	25148	A	11260	I4	127.05	1		1.6
	460R5W	25149	A	11260	I4	126.55	1		1.6
	460R7W	25150	A	11260	I4	126.55	1		1.6
	460R9W	25151	A	11260	I4	126.55	1		1.6
	460SMI5W	05534	A	11245	I14	534.05	1		6.0
	460SMI7W	05532	A	11245	I14	534.05	1		6.0
	460SMI9W	05530	A	11245	I14	534.05	1		6.0
	463B6W	25152	B	11240	I5	125.60	1		1.7
	463C6W	25153	A	11240	I5	149.80	1		2.2
	463P6W	25154	A	11240	I5	125.00	1		2.0
	463R6W	25155	A	11240	I5	114.30	1		1.6
	4700-DR	00200	A	11111	G8	14.85	10	1	2.9
	4700-DRC	00208	A	11111	G8	14.85	10	1	2.9
	4700-DRCR	00204	B	11111	H4	23.30	10	1	2.9
	4700-DRI	00202	B	11111	G8	15.75	10	1	2.9
	4700-DRIG	00206	B	11111	G8	17.05	10	1	2.9
	4700-DRIGC	00210	B	11111	G8	17.05	10	1	2.9
	4710	65610	A	11111	G8	9.85	30	10	6.0
	471044	61611	C	11111	G8	11.70	30	10	4.3
	4710-CR	65613	C	11111	H4	16.40	30	10	5.0
	4710-IG	65614	B	11111	F11	16.90	30	10	6.0
	4711-BRY	65615	C	11111	G8	12.60	15	5	5.0
	4712-BRY	61613	C	11111	G8	9.90	30	10	4.4
	4713-BRY	61613	C	11111	G8	9.90	30	10	4.4
	4715-ER	40570	A	11111	G8	10.55	10		1.5
	4716-MB	40520	A	11111	G8	8.25	10		1.5
	4721-NP	01000	A	11111	G9	7.20	10		1.5
	4721-NPB	01020	A	11111	G9	8.40	10		1.5
	4721-NPC	01065	A	11111	G9	7.20	10		1.5
	4721-NPCR	01010	A	11111	H4	8.45	10		1.5
	4722-N	65645	B	11111	G9	8.25	50	10	6.0
□	4723-BRY	65652	C	11111	G9	6.85	50	10	5.6
		SUPERCEDED BY 4721-NP							
	4726-BRY	65657	C	11111	G9	6.80	100	10	14.4
	4730	65662	B	11111	G9	9.10	100	10	16.0
	4732-NC	01005	A	11111	G9	12.80	10		2.0
	4732-NCB	01025	A	11111	G9	14.55	10		2.0
	4732-NCC	01070	A	11111	G9	12.80	10		2.0
	4732-NCCR	01015	A	11111	H4	15.85	10		2.0
	4750-DR	00212	A	11111		16.55	10	1	
	4760	62332	A	11111	G11	11.00	30	10	6.0
	4761	62333	C	11111	G11	14.35	15	5	4.0
	4770-NP	01030	A	11111	G11	8.30	10		1.3
	4770-NPBULK	01035	A	11111		8.30	100		13.0
	4770-NPC	01085	A	11111	G11	8.30	10		1.3
	4779-NC	01040	A	11111	G11	14.00	10		1.7
	4779-NCC	01090	A	11111		14.00	10		1.7
	4785-ER	40580	A	11111	G11	12.60	10		
	4786-MB	40530	A	11111	G11	9.25	10		
□	4792	65705	B	11530	B27	16.90	50	10	15.1
		SUPERCEDED BY 4792-DR							
	4792-DR	65706	B	11111		16.90	10	1	3.0
	4801	62348	A	11190	A2	5.90	100	10	20.0
•	4801-BLK	71430	B	11190	A2	5.90	100	10	20.0
	4801-C	96536	A	11190	A2	6.10			
	4801-GLI	62349	A	11190	A2	10.95	50	10	20.0
	4801-GRY	62350	B	11190	A2	5.90	100	10	20.0
	4801-I	62351	A	11190	A2	5.90	100	10	20.0
	4801-IC	96537	A	11190	A2	6.10			
	4801-L	62352	B	11190	A2	10.50	50	10	12.5
	4801-LC	96538	A	11190	A2	10.10			
	4801-PLR120	62353	B	11190	A2	10.15	50	10	12.0
	4801-PLR12C	96541	A	11190	A2	11.00			
•	4801-RED	71433	B	11190	A2	5.75	100	10	20.0
	4801-W	62354	B	11190	A2	5.75	100	10	20.0
	4801-WC	96539	A	11190	A2	5.75			
	4802	62355	A	11190	A3	9.65	50	10	12.0
•	4802-BLK	71434	B	11190	A3	9.65	50	10	12.0
	4802-C	96542	A	11190	A3	9.85			
	4802-GRY	62356	B	11190	A3	9.65	50	10	12.0
	4802-I	62357	A	11190	A3	9.65	50	10	12.0
	4802-IC	96543	A	11190	A3	9.85			
	4802-L	62358	B	11190	A3	13.55	50	10	12.5
•	4802-RED	71437	B	11190	A3	9.65	50	10	12.0
	4802-W	62359	B	11190	A3	9.65	50	10	12.0
	4803	62360	A	11190	A2	8.65	50	10	12.0
•	4803-BLK	71438	B	11190	A2	8.65	50	10	12.0
	4803-C	96544	A	11190	A2	8.80			
	4803-GLI	62361	B	11190	A2	16.20	50	10	12.0
	4803-GRY	62362	B	11190	A2	8.65	50	10	12.0
	4803-I	62363	A	11190	A2	8.65	50	10	12.0
	4803-IC	96545	A	11190	A2	8.80			
	4803-L	62364	B	11190	A2	11.50	50	10	12.5
	4803-LC	96546	A	11190	A2	11.65			
•	4803-RED	71441	B	11190	A2	8.65	50	10	12.0
	4803-W	62365	B	11190	A2	8.65	50	10	12.0
	4804	62366	B	11190	A3	19.30	50	10	12.0
•	4804-BLK	71442	C	11190	A3	19.30	50	10	12.0
	4804-GRY	62367	C	11190	A3	19.30	50	10	12.0
	4804-I	62368	B	11190	A3	19.30	50	10	12.0
	4804-L	62369	C	11190	A3	25.20	50	10	12.6
•	4804-RED	71445	C	11190	A3	19.30	50	10	12.0
	4804-W	62370	C	11190	A3	19.30	50	10	12.0
@	48071-0	68510	C	11290	A13	10.85	50	10	10.0
@	48071-R	68513	C	11290	A13	10.85	50	10	10.0
	4821	62371	B	11190	A8	11.95	50	10	12.0
	4821-GRY	62375	B	11190	A8	11.95	50	10	12.0
	4821-I	62372	B	11190	A8	11.95	50	10	12.0
	4821-L	65725	C	11190	A8	15.75	50	10	13.0
	4822	62373	B	11190	A7	27.60	50	10	12.0
	4822-I	62374	B	11190	A7	27.60	50	10	12.0
	4822-L	63844	C	11190	A7	30.00	50	10	12.0
	4825	65735	B	11190	A7	27.90	50	10	20.0
	4825-I	65740	B	11190	A7	27.90	50	10	20.0
@	4876	62380	C	11290		7.35	100	1	15.2
@	4877	62381	C	11290		7.35	100	1	16.0

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CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
4901	62383	A	11190	A4	9.20	100	10	20.0
• 4901-BLK	71446	B	11190	A4	9.20	100	10	20.0
4901-C	96547	A	11190	A4	9.40	100	10	20.0
4901-GLC	49010	B	11190	A4	13.75	50	10	12.0
4901-GLI	62384	A	11190	A4	13.75	50	10	12.0
4901-GRY	62385	B	11190	A4	9.20	100	10	20.0
4901-I	62386	A	11190	A4	9.20	100	10	20.0
4901-IC	96548	A	11190	A4	9.40	100	10	20.0
4901-L	62387	B	11190	A4	12.85	50	10	12.5
4901-PLC120	49012	B	11190	A4	16.30	50	10	10.7
4901-PLC277	49016	B	11190	A4	16.30	50	10	10.7
4901-PLG120	49014	B	11190	A4	16.30	50	10	10.7
4901-PLR120	65790	B	11190	A4	13.85	50	10	10.7
4901-PLR277	65795	B	11190	A4	16.30	50	10	10.7
• 4901-RED	71449	B	11190	A4	9.20	100	10	20.0
4901-W	62389	B	11190	A4	9.20	100	10	20.0
4902	62390	A	11190	A5	10.65	50	10	12.0
• 4902-BLK	71450	B	11190	A5	10.65	50	10	12.0
4902-GRY	62391	B	11190	A5	10.65	50	10	12.0
4902-I	62392	A	11190	A5	10.65	50	10	12.0
4902-L	62393	B	11190	A5	14.65	50	10	12.6
4902-PLR120	49020	B	11190	A5	21.80	50	10	
4902-PLR277	65800	B	11190	A5	21.80	50	10	12.4
• 4902-RED	71453	B	11190	A5	10.65	50	10	12.0
4902-W	62394	B	11190	A5	10.65	50	10	12.0
4903	62395	A	11190	A4	9.90	50	10	12.0
• 4903-BLK	71454	B	11190	A4	9.90	50	10	12.0
4903-GLC	49030	B	11190	A4	18.40	50	10	12.0
4903-GLI	62396	B	11190	A4	18.40	50	10	12.0
4903-GRY	62397	B	11190	A4	9.90	50	10	12.0
4903-I	62398	A	11190	A4	9.90	50	10	12.0
4903-L	62399	B	11190	A4	14.25	50	10	12.0
4903-PLC120	49034	B	11190	A4	28.80	50	10	12.0
4903-PLG120	49036	B	11190	A4	28.80	50	10	12.0
4903-PLR120	49032	B	11190	A4	26.05	50	10	12.0
4903-PLR277	49038	B	11190	A4	29.20	50	10	
• 4903-RED	71456	B	11190	A4	9.90	50	10	12.0
4903-W	62400	B	11190	A4	9.90	50	10	12.0
4904	62401	B	11190	A5	22.35	50	10	12.0
• 4904-BLK	71457	C	11190	A5	22.35	50	10	12.0
4904-GRY	62402	C	11190	A5	22.35	50	10	12.0
4904-I	62403	B	11190	A5	22.35	50	10	12.8
4904-L	62404	C	11190	A5	26.45	50	10	12.0
• 4904-RED	71460	C	11190	A5	22.35	50	10	12.0
4904-W	62405	C	11190	A5	22.40	50	10	12.0
4921	62406	B	11190	A8	14.65	50	10	12.0
4921-GRY	73025	B	11190	A8	14.65	50	10	12.0
4921-I	62407	B	11190	A8	14.65	50	10	12.0
4921-L	65810	C	11190	A8	17.50	50	10	12.2
4921-W	15450	A	11190	A8	14.65	50	10	
4922	62408	B	11190	A7	29.45	50	10	12.0
4922-GRY	62419	B	11190	A7	29.45	50		12.0
4922-I	62409	B	11190	A7	29.45	50	10	12.0
4922-W	49220	B	11190	A7	29.45	50	10	12.0
4925	65830	B	11190	A7	29.70	50	10	12.0
4925-I	65833	B	11190	A7	29.70	50	10	12.0
4925-L	63847	C	11190	A7	31.50	50	10	12.4
4925-W	49250	C	11190	A7	29.70	50	10	12.0
4981	49810	A	11515	A9	10.50	50	10	10.0
4982	49820	A	11515	A9	12.80	50	10	10.0
4983	49830	A	11515	A9	12.50	50	10	10.0
4984	49840	A	11515	A9	26.80	50	10	10.0
4987-GLI	49870	A	11510	A9	17.30	50	10	10.0
4988-GLI	49880	A	11510	A9	21.95	50	10	10.0
4997-PLR	49970	A	11510	A9	17.60	50	10	10.0
4998-PLR	49980	A	11510	A9	31.15	1		3.0
5100B7W	25157	B	11260	I5	223.95	1		3.0
5100B9W	25158	B	11260	I5	223.95	1		4.0
5100C7W	25159	A	11260	I5	229.85	1		4.0
5100C9W	25160	A	11260	I5	229.85	1		4.0
5100P7W	25161	A	11260	I5	194.65	1		3.4
5100P9W	25162	A	11260	I5	194.65	1		3.4
5100R7W	25163	A	11260	I5	167.05	1		3.8
5100R9W	25164	A	11260	I5	167.05	1		3.8
5100SMI9W	05550	A	11245	I14	641.05	1		8.0
510-BSR	73115	C	11115	H13	10.95	10	1	3.0
5125B6W	25165	B	11240	I5	219.70	1		3.0
5125C6W	25166	B	11240	I5	225.50	1		4.0
5125P6W	25167	B	11240	I5	191.00	1		3.4
5125R6W	25168	B	11240	I5	160.85	1		3.8
5156-HVG	51563	A	11140		4.40	10	1	2.0
5156-HVO	51560	A	11140		4.40	10	1	2.0
5159-HVG	51593	A	11140		8.70	10	1	2.1
5159-HVO	51590	A	11140		8.70	10	1	2.1
516B6W	25169	B	11240	I5	54.00	1		.7
516C6S	25229	A	11240	I10	64.45	1		1.2
516C6W	25170	A	11240	I5	73.95	1		1.4
516P6S	25230	A	11240	I10	52.70	1		.9
516P6W	25171	A	11240	I5	60.30	1		1.0
516R6S	25231	A	11240	I10	54.60	1		.9
516R6W	25172	A	11240	I5	60.90	1		1.0
5200-BC	20040	A	11113	H12	6.05	15	3	1.5
5200-BCB	20060	A	11113	H12	6.05	15	3	2.2
5200-BCR	65866	B	11113	H12	5.95	50	10	5.5
5200-BP	20000	A	11113	H12	5.40	30	6	3.0
5200-BPB	20020	A	11113	H12	5.40	30	6	2.4
5200-BSR	20080	A	11113	H12	7.20	50	10	5.0
5200-BSRB	25000	A	11113	H12	7.20	50	10	2.9
5200-S	65870	C	11113	H12	1.20	100	10	2.5
520B7W	25173	B	11260	I4	58.90	1		.8
520B9W	25174	B	11260	I4	58.90	1		.8
520C7W	25175	A	11260	I4	80.60	1		1.2
520C9W	25176	A	11260	I4	80.60	1		1.2
520P7W	25177	A	11260	I4	65.70	1		1.0
520P9W	25178	A	11260	I4	65.70	1		1.0
520R7W	25179	A	11260	I4	68.45	1		1.1
520R9W	25180	A	11260	I4	68.45	1		1.1
5210-B	65876	B	14550	L1	11.30	25	1	9.5
5211-B	65878	B	14550	L1	11.30	25	1	10.0
@ 5228	62477	C	11290	K6	2.80	50	1	31.5
5236-BOX	42400	B	11510	B12	47.85	10		1.5
5236-IGBOX	42405	B	11510	B12	46.45	10		1.5
5242	62478	A	11510	B10	3.95	100	10	19.0
524244	65885	A	11510	B10	4.20	100	10	21.0
• 5242-BLK	71461	B	11510	B10	3.95	100	10	19.0
5242-C	96550	A	11510	B10	4.00			
5242-GRY	62479	B	11510	B10	3.95	100	10	19.0
5242-I	62480	A	11510	B10	3.95	100	10	19.0
5242-IC	96551	A	11510	B10	4.00			
• 5242-RED	71462	B	11510	B10	3.95	100	10	19.0
5242-REDC	96552	A	11510	B10	4.00			
5242-W	62481	B	11510	B10	3.95	100	10	19.0
5251	62482	A	11510	B10	4.65	50	10	9.0
5251-I	62484	A	11510	B10	4.65	50	10	9.0
5252	62485	A	11510	B9	5.80	100	10	20.8
• 5252-BLK	71465	B	11510	B9	5.80	100	10	20.8
5252-C	96553	A	11510	B9	5.85			
5252-GRY	62486	B	11510	B9	5.80	100	10	20.8
5252-I	62487	A	11510	B9	5.80	100	10	20.8
5252-IC	73418	A	11510	B9	5.85			

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BRYANT Wiring Devices Distributor Net Cost and Index

	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	5252-RED	65900	B	11510	B9	5.80	100	10	20.8
	5252-W	62488	B	11510	B9	5.80	100	10	20.8
-	5258	65920	B	11560	B7	4.95	50	10	6.0
	5261	62494	A	11180	B7	8.05	50	10	9.0
•	5261-BLK	71466	C	11180	B7	8.05	100	10	17.0
	5261-CR	65930	B	11180	H3	8.90	50	10	9.0
	5261-GRY	65933	B	11180	B7	8.05	50	10	9.0
	5261-I	62495	A	11180	B7	8.05	50	10	9.0
	5261-IG	62496	B	11180	F9	13.50	50	10	9.0
	5261-IGC	62496	A	11180	F9	13.25	50	10	9.0
	5261-IGGRY	71402	B	11180	F9	13.50	50	10	9.0
	5261-IGI	71403	B	11180	F9	13.50	50	10	9.0
	5261-IGW	71404	B	11180	F9	13.50	50	10	9.0
•	5261-RED	71467	C	11180	B7	8.05	50	10	9.0
	5261-W	65936	C	11180	B7	8.05	50	10	9.0
	5262	62497	A	11180	B7	9.30	100	10	28.0
•	5262-BCR	61617	C	11180	H3	10.95	100	10	28.0
•	5262-BLK	71468	B	11180	B7	9.30	100	10	28.0
	5262-C	96556	A	11180	B7	9.25	100	10	28.0
	5262-CR	62498	B	11180	H3	10.95	100	10	28.0
	5262-GRY	62499	B	11180	B7	9.30	100	10	28.0
	5262-I	62500	A	11180	B7	9.30	100	10	28.0
	5262-IC	96557	A	11180	B7	9.45	100	10	28.0
	5262-IG	65943	A	11180	F9	12.65	100	10	28.0
	5262-IGC	73420	A	11180	F9	11.85	100	10	28.0
	5262-IGGRY	65948	A	11180	F9	12.65	100	10	28.0
	5262-IGI	65949	A	11180	F9	12.65	100	10	28.0
	5262-IGW	65950	A	11180	F9	12.65	100	10	28.0
	5262-RED	65946	B	11180	B7	9.30	100	10	28.0
	5262-W	62503	B	11180	B7	9.30	100	10	28.0
	5262-WC	96558	A	11180	B7	9.45	100	10	28.0
	5266-N	62508	A	11140	B17	6.05	100	10	16.5
	5266-NOR	73119	B	11140	B17	6.45	100	10	16.5
	5266-NB	62506	A	11140	B17	6.45	100	10	16.5
	5266-NCR	62509	B	11140	H3	6.60	100	10	16.5
	5266-NSY	65960	A	11140	B17	6.45	100	10	16.5
	5266-PT	65963	A	11140	B17	15.80	50	10	6.6
	5269-N	62511	A	11140	B17	10.55	100	10	17.3
	5269-NB	62505	A	11140	B17	11.05	100	10	17.3
	5269-NCR	62512	B	11140	H3	11.20	100	10	17.3
	5269-NSY	65970	A	11140	B17	10.95	100	10	17.3
-	5272	62514	C	11560	K8	2.15	100	10	8.0
@	5273-L	62515	A	11290	K8	8.10	100	10	9.9
	5278	62518	B	11140	B9	7.35	100	10	9.9
	5278-G	62517	C	11140	B9	7.90	100	10	9.0
	5279	65995	B	11140	B9	10.25	50	10	5.9
	5281	62521	C	11180	B7	9.60	50	5	6.6
	5282	62522	B	11180	B7	12.85	15	5	6.8
	5284	62523	C	11180	B7	6.35	50	10	6.2
-@	5288	62524	C	11290	K6	4.75	50	1	36.0
-@	5291	62525	C	11290	K6	7.05	50	1	34.7
	5292	62526	B	11180	B27	12.50	100	10	23.0
	5292-I	62527	B	11180	B27	12.50	100	10	23.0
	5295	62530	A	11140	B17	7.80	50	10	8.0
	530B7W	25181	B	11260	I4	108.05	1		1.0
	530B9W	25182	B	11260	I4	108.05	1		1.0
	530C7W	25183	A	11260	I4	108.05	1		1.8
	530C9W	25184	A	11260	I4	108.05	1		1.8
	530MCS	62451	C	11111	H6	162.60	1		14.5
	530MCS25	62453	C	11111	H6	101.85	1		16.0
	530P7W	25185	A	11260	I4	108.45	1		1.2
	530P9W	25186	A	11260	I4	108.45	1		1.2
	530R7W	25187	A	11260	I4	94.50	1		1.4
	530R9W	25188	A	11260	I4	94.50	1		1.4
	530SMI7W	05522	A	11245	I14	426.00	1		4.0
	530SMI9W	05520	A	11245	I14	426.00	1		4.0
	530Y515	62455	C	11111	H7	105.30	1		2.5
	532B6W	25189	A	11240	I5	106.40	1		1.0
	532C6W	25190	A	11240	I5	106.40	1		1.8
	532P6W	25191	A	11240	I5	105.90	1		1.2
	532R6W	25192	A	11240	I5	85.00	1		1.4
	5342	62532	A	11510	B23	5.80	100	10	21.0
•	5342-BLK	71476	B	11510	B23	5.80	100	10	21.0
	5342-GRY	62533	B	11510	B23	5.80	100	10	21.0
	5342-I	62534	A	11510	B23	5.80	100	10	21.0
•	5342-RED	71469	B	11510	B23	5.80	100	10	21.0
	5342-W	71477	B	11510	B23	5.80	100	10	21.0
	5351	66040	A	11510	B23	5.40	50	10	9.0
•	5351-BLK	66042	C	11510	B23	5.40	50	10	9.0
	5351-I	66046	A	11510	B23	5.40	50	10	9.0
	5352	62536	A	11510	B23	8.05	100	10	26.0
•	5352-BLK	71471	B	11510	B23	8.05	100	10	26.0
	5352-GRY	62537	B	11510	B23	8.05	100	10	26.0
	5352-I	62538	A	11510	B23	8.05	100	10	26.0
	5352-RED	66060	B	11510	B23	8.05	100	10	26.0
	5352-W	62539	B	11510	B23	8.05	100	10	26.0
	5361	62542	A	11180	B21	8.90	50	10	9.0
•	5361-BLK	71472	C	11180	B21	8.90	50	10	9.0
	5361-CAN	10956	A	11180	B21	8.75	50	10	9.0
	5361-CANGRY	10958	B	11180	B21	8.75	50	10	9.0
	5361-CANI	73422	A	11180	B21	8.75	50	10	9.0
	5361-CANW	10960	A	11180	B21	8.75	50	10	9.0
	5361-CR	66070	B	11180	H3	10.95	50	10	9.0
	5361-GRY	62543	C	11180	B21	8.90	50	10	9.0
	5361-I	62544	A	11180	B21	8.90	50	10	9.0
	5361-IG	62548	B	11180	F9	14.20	50	10	9.0
	5361-IGGRY	62550	B	11180	F9	14.20	50	10	9.0
	5361-IGI	62555	B	11180	F9	14.20	50	10	9.0
	5361-IGW	62556	B	11180	F9	14.20	50	10	9.0
•	5361-RED	71473	C	11180	B21	8.90	50	10	9.0
	5361-W	73121	C	11180	B21	8.90	50	10	9.0
	5362	62545	A	11180	B21	10.95	100	10	28.0
•	5362-BLK	71474	B	11180	B21	10.95	100	10	28.0
	5362-CAN	12045	A	11180	B21	11.15	100	10	28.0
	5362-CANGRY	12047	B	11180	B21	11.15	100	10	28.0
	5362-CANI	73424	A	11180	B21	11.15	100	10	28.0
	5362-CANIG	73426	A	11180	F9	15.00	100	10	28.0
	5362-CANRED	05362	A	11180	B21	11.15	100	10	28.0
	5362-CANW	12049	A	11180	B21	11.15	100	10	28.0
	5362-CR	66080	B	11180	H3	14.60	100	10	28.0
	5362-GRY	62546	B	11180	B21	10.95	100	10	28.0
	5362-I	62547	A	11180	B21	10.95	100	10	28.0
	5362-IG	66083	A	11180	F9	14.90	100	10	28.0
	5362-IGGRY	66085	A	11180	F9	14.90	100	10	28.0
	5362-IGI	66087	A	11180	F9	14.90	100	10	28.0
	5362-IGW	66088	A	11180	F9	14.90	100	10	28.0
	5362-RED	66086	B	11180	B21	10.95	100	10	28.0
	5362-W	66089	B	11180	B21	10.95	100	10	18.0
	5364-B	73122	A	11140	B24	6.45	100	10	14.8
	5364-BY	73124	A	11140	B24	6.45	100	10	14.8
	5364-Y	14310	A	11145	B28	6.15	100	10	
	5366-N	62551	A	11140	B24	8.30	100	10	17.0
	5366-NCR	62552	B	11140	H3	8.85	100	10	17.0
	5366-NSY	66110	A	11140	B24	8.60	100	10	17.0
	5369-B	73127	A	11140	B24	9.90	100	10	15.0
	5369-BY	73129	A	11140	B24	9.90	100	10	15.0
	5369-N	62553	A	11140	B24	13.85	100	10	17.7
	5369-NCAN	73430	A	11140	B24	14.50			
	5369-NCR	62554	B	11140	H3	14.60	100	10	20.0
	5369-NSY	66123	A	11140	B24	14.35	100	10	20.0

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	CATALOG NUMBER	NAED UPC Code 1786-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	5369-Y	14312	A	11145	B28	9.70	20		
	5378	66130	B	11140	B23	9.45	100	10	9.0
	5378-G	66131	C	11140	B23	11.10	100		9.0
	5379	66135	B	11140	B23	11.95	50	10	10.0
	5382	66145	B	11180	B21	15.05	15	5	5.6
	5384	66150	C	11180	B21	8.25	50	10	6.0
	5393	62562	C	11140	B24	17.15	30	10	8.0
	5395	62563	B	11140	B24	10.15	50	10	8.0
	5461	66200	A	11180	B25	10.35	50	10	9.0
•	5461-BLK	66202	C	11180	B25	10.35	50	10	9.0
	5461-CAN	10990	A	11180	B25	10.15	50	10	9.0
	5461-CANGRY	05442	A	11180	B25	10.15	50	10	9.0
	5461-CANI	73428	A	11180	B25	10.15	50	10	9.0
	5461-CANW	05461	A	11180	B25	10.15	50	10	9.0
	5461-CR	66203	C	11180	H3	11.50	50	10	9.0
	5461-GRY	66206	C	11180	B25	10.35	50	10	9.0
	5461-I	66209	A	11180	B25	10.35	50	10	9.0
•	5461-RED	66210	C	11180	B25	10.35	50	10	9.0
•	5461-W	66211	C	11180	B25	10.35	50	10	9.0
	5462	66215	A	11180	B25	13.35	100	10	28.0
•	5462-BLK	66216	B	11180	B25	13.35	100	10	28.0
	5462-CAN	10993	A	11180	B25	13.05	100	10	28.0
	5462-CANGRY	10995	A	11180	B25	13.05	100	10	28.0
	5462-CANI	10996	A	11180	B25	13.05	100	10	28.0
	5462-CR	66218	C	11180	H3	16.85	100	10	28.0
	5462-GRY	66221	B	11180	B25	13.35	100	10	28.0
	5462-I	66224	A	11180	B25	13.35	100	10	28.0
	5462-IG	66228	A	11180	F9	16.30	100	10	28.0
•	5462-RED	66225	B	11180	B25	13.35	100	10	28.0
•	5462-W	66226	B	11180	B25	13.35	100	10	28.0
	5464-B	73131	A	11140	B26	7.15	100	10	14.5
	5464-Y	14314	A	11145	B28	6.85	100	10	17.0
	5466-N	66243	A	11140	B26	9.65	100	10	16.5
	5466-NSY	66249	A	11140	B26	10.05	100	10	16.5
	5469-B	73154	A	11140	B26	10.40	100	10	15.5
	5469-N	66263	A	11140	B26	15.35	100	10	17.9
	5469-NCAN	73432	A	11140	B26	15.70			
	5469-NSY	66269	A	11140	B26	15.70	100	10	20.0
	5469-Y	14316	A	11145	B28	10.25	100	10	21.0
	5475-N	66280	B	11140	B26	11.65	50	10	8.0
	5478	66290	B	11140	B25	11.40	100	10	9.1
	5479	66295	B	11140	B25	13.40	50	10	10.0
	5484	66300	C	11180	B25	8.10	50	10	6.0
	5492	66320	B	11180	B27	15.25	100	10	22.0
	5492-GRY	66323	B	11180	B27	15.25	100	10	22.0
	5492-I	66326	B	11180	B27	15.25	100	10	22.0
	556	62578	B	11510	B6	12.20	100	10	19.0
	560B5W	25193	B	11260	I4	146.10	1		1.8
	560B7W	25194	B	11260	I4	143.30	1		1.8
	560B9W	25195	A	11260	I4	143.30	1		1.8
	560C5W	25196	B	11260	I4	164.05	1		2.4
	560C7W	25197	A	11260	I4	164.05	1		2.4
	560C9W	25198	A	11260	I4	164.05	1		2.4
	560P5W	25199	B	11260	I4	144.20	1		2.1
	560P7W	25201	A	11260	I4	144.20	1		2.1
	560P9W	25202	A	11260	I4	144.20	1		2.1
	560R5W	25203	B	11260	I4	159.85	1		1.7
	560R7W	25204	A	11260	I4	153.20	1		1.7
	560R9W	25206	A	11260	I4	153.20	1		1.7
	560SMI5W	05540	A	11245	I14	594.75	1		6.0
	560SMI7W	05538	A	11245	I14	594.75	1		6.0
	560SMI9W	05536	A	11245	I14	594.75	1		6.0
	563B6W	25207	B	11240	I5	143.30	1		1.8
	563C6W	25208	B	11240	I5	164.05	1		2.4
	563P6W	25209	B	11240	I5	144.20	1		2.1

	CATALOG NUMBER	NAED UPC Code 1786-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	563R6W	25211	B	11240	I5	153.20	1		1.7
	5642	62581	C	11510	B18	4.25	100	10	21.0
	5642-I	62582	C	11510	B18	4.25	100	10	21.0
	5661	62590	A	11180	B18	9.55	100	10	17.0
•	5661-BLK	62594	C	11190	B18	9.70	100	10	17.0
	5661-C	96560	A	11180	B18	9.40	100	10	17.0
	5661-GRY	66353	C	11180	B18	9.55	50	10	9.0
	5661-I	62591	A	11180	B18	9.55	100	10	17.0
	5661-IC	96561	A	11180	B18	9.40			
•	5661-RED	62595	C	11180	B18	9.55	100	10	17.0
	5661-W	73156	C	11180	B18	9.55	50	10	9.6
	5662	62592	A	11180	B18	11.10	100	10	28.0
•	5662-BLK	62599	C	11180	B18	11.10	100	10	28.0
	5662-CR	66360	C	11180	H3	14.10	100	10	28.0
	5662-GRY	66363	C	11180	B18	11.10	100	10	28.0
	5662-I	62593	A	11180	B18	11.10	100	10	28.0
	5662-IG	73080	B	11180	F9	13.25	100	10	28.0
•	5662-RED	62605	C	11180	B18	11.10	100	10	28.0
	5666-B	73157	A	11140	B19	5.35	100	10	17.0
	5666-N	62597	A	11140	B19	7.45	100	10	17.0
	5666-NSY	66380	A	11140	B19	7.70	100	10	17.0
	5666-Y	14306	A	11145	B28	5.15	100	10	17.0
	5669-B	73160	A	11140	B19	9.50	100		14.5
	5669-N	62600	A	11140	B19	12.85	100	10	19.0
	5669-NSY	66385	A	11140	B19	13.10	100	10	19.0
	5669-Y	14308	A	11145	B28	9.25	100	10	21.0
	5678	62604	B	11140	B18	8.55	100	10	12.3
	5678-G	62608	C	11140	B18	9.10	100	10	12.3
	5679	66390	B	11140	B18	10.40	50	10	10.0
	5684	62607	C	11180	B18	7.70	50	10	6.0
	5695	62609	B	11140	B19	8.90	50	10	8.0
	5756	66430	C	11140	B20	8.55	100	10	17.0
	5762	66440	B	11180	B20	10.80	100	10	23.0
	5782	62628	C	11180	B20	15.25	15	5	7.5
	5856	62635	C	11140	B20	8.55	100	10	16.0
	5965-B	73162	A	11140	B17	4.35	100	10	14.8
	5965-BGRY	73163	A	11140	B17	4.35	100	10	14.8
	5965-BY	73164	A	11140	B17	4.10	100	10	14.8
	5966VBK	73176	A	11160	B28	1.95	100	10	14.5
	5965-Y	14300	A	11145	B28	3.95	100	10	17.0
	5969-B	73165	A	11140	B17	8.50	100	10	15.0
	5969-BGRY	73166	A	11140	B17	8.50	100	10	15.0
	5969-BY	73167	A	11140	B17	7.95	100	10	15.0
	5969-VBK	62660	A	11160	B28	3.85	100	10	15.0
	5969-Y	14302	A	11145	B28	7.85	100	10	21.0
	6000	62661	C	11190		3.00			
@	60002	72103	A	11200	J5	44.05	10	1	7.1
@	60002-FW	72104	C	11200	J5	44.75	10	1	7.1
@	60003	72106	A	11200	J5	54.80	10	1	7.3
@	60003-FW	72107	C	11200	J5	55.55	10	1	7.3
	6006	62662	C	11190	A8	1.40	1000	10	5.6
@	600-P	64550	B	11290	K4	3.90	200		15.0
@	600-S	64553	B	11290	K4	3.90	200		8.5
@	60300	72114	B	11200	J5	26.05	5		7.9
@	60302	72115	B	11200	J5	65.45	5		11.0
@	60303	72118	B	11200	J5	76.15	5		11.0
-	6075-CR	66608	C	13000	H15	17.60	10	1	1.0
-	6080	66611	C	13000	H15	9.85	10	1	6.2
-	6083-CR	66620	C	13000	H15	17.60	10	1	10.8
-	6084-CR	66623	C	13000	H15	17.60	10	1	10.5
-	6087	66632	C	13000	H15	4.80	10	1	1.7
@	610-P	64560	B	11290	K4	4.00	200		15.0
@	610-S	64563	B	11290	K4	4.00	200		15.0
@	620-P	64575	B	11290	K4	4.00	200		15.0
@	620-S	64578	B	11290	K4	4.00	200		9.5

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	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)	
-	6360-CR	66500	C	11113	H8	55.10	10	1	10.0	-
-	6361-CR	66502	C	11113	H8	49.40	10	1	13.0	-
-	6364-CR	66508	C	11113	H9	54.90	10	1	14.0	-
-	6365-CR	66510	C	11113	H9	48.95	10	1	11.0	-
-	6369-CR	66518	C	11113	H9	62.50	10	1	6.5	-
-	6370-CR	66520	C	11113	H8	61.00	10	1	8.3	-
-	6372-CR	66524	C	11113	H8	88.50	10	1	20.0	-
-	6374-CR	66528	C	11113	H9	90.10	10	1	20.0	-
-	6400	66530	C	11530	A12	8.40	100	10	23.0	-
-	6400-I	66533	C	11530	A12	8.40	100	10	16.0	-
-	6400-W	66535	C	11530	A12	8.40	100	10	17.0	-
	6401-BRN	66540	C	11530		10.45	100	10		-
-	6401-I	66543	C	11530	A12	10.45	100	10	17.0	-
	6402-BRN	66550	C	11530		12.95	100	10		-
-	6402-I	66553	C	11530	A12	12.95	100	10	17.0	-
	6404-BRN	66560	C	11530		10.50	100	10		-
-	6404-I	66563	C	11530	A12	10.50	100	10	22.0	-
-	6404-W	66565	C	11530	A12	10.50	100	10	17.0	-
-	6405-I	66573	C	11530	A12	8.10	100	10	26.0	-
-	6406	66580	C	11530	A12	11.60	100	10	17.0	-
-	6406-I	66583	C	11530	A12	11.60	100	10	17.0	
-	6407	66590	C	11530	A12	13.40	100	10	17.0	
-	6407-I	66593	C	11530	A12	13.40	100	10	17.0	
-	6408-I	66603	C	11530	A12	10.30	100	10	17.0	
@	650-PH	62700	B	11290	K3	7.70	100		11.0	
@	650-PHB	62702	B	11290	K3	7.70	100		11.0	
@	650-SH	62704	B	11290	K3	7.70	100		11.0	
@	650-SHB	62706	B	11290	K3	7.70	100		11.0	
	660AC	29018	A	11220		3.25	100	10	2.0	
	6603N	29016	A	11220		4.25	100	10	2.5	
	66032	29000	A	11220		23.50	10	1	5.5	
	66042	29004	A	11220		28.50	10	1	5.5	
	66043	29006	A	11220		29.50	10	1	5.5	-
	66062	29008	A	11220		42.90	10	1	7.1	-
	66063	29010	A	11220		49.90	10	1	7.1	-•
	6610MK	29012	A	11220		7.40	10	1	2.0	-•
	661032	29022	A	11220		31.70	4	1	4.5	-•
	661033	29024	A	11220		35.70	4	1	4.5	-•
	664XFT	29014	A	11220		4.25	100	10	2.0	-•
	664XWP	29014	A	11220		5.50	100	10	2.0	-•
	664X33	29023	A	11220		79.80	10	1	11.0	-
	664X43	29028	A	11220		94.70	10	1	11.0	-
	664X63	29030	A	11220		129.00	10	1	14.0	-
-	67ABN01	40432	A	11220	J7	25.50	5		1.1	-
-	67ABN011	40444	A	11220	J7	29.65	5		1.1	-
-	67ABN02	40440	A	11220	J7	25.50	5		1.1	-
-	67ABN022	40452	A	11220	J7	29.65	5		1.1	-
-	67ABNC1	40436	A	11220	J7	25.50	5		1.1	-
-	67ABNC11	40448	A	11220	J7	29.65	5		1.1	-
-	67ABNC2	63540	A	11220	J7	25.00	5		1.1	-
-	67ABNC22	63542	A	11220	J7	29.65	5		1.1	-
-	67AS1	40428	A	11220	J7	3.45	10		.3	-
-	67FC100	07014	A	11220	J7	14.00	1		.3	-
-	67FC200	07016	A	11220	J7	16.15	1		.3	-
-	67FC30CN	40456	A	11220	J7	7.30	10		.8	-
-	67FC30J	40460	A	11220	J7	10.25	10		.8	-
-	67FC60JN	40464	A	11220	J7	10.90	10		.8	-
-	67FSC30	40401	A	11220	J6	98.90	10		16.1	-
-	67FSJ100	07005	A	11220	J6	209.60	1		18.4	-
-	67FSJ200	07010	A	11220	J6	436.50	1		24.0	-
-	67FSJ30	40404	A	11220	J6	107.65	10	1	19.4	-
-	67FSJ60	40412	A	11220	J6	139.60	10	1	31.3	-
-	67FSN100	07002	A	11220	J6	209.60	1		18.4	-
-	67FSN200	07012	A	11220	J6	436.50	1		19.4	-
-	67FSN30	40408	A	11220	J6	107.65	10	1	19.4	-
	67FSN60	40416	A	11220	J6	139.60	10	1	28.3	
	67HS22B	40489	A	11220	J8	15.60	50	1	24.2	
	67HS22RY	40490	A	11220	J8	15.60	50	1	24.2	
	67HS70B	07042	A	11220	J8	28.85	1		.7	
	67HS70RY	07044	A	11220	J8	28.85	1		.7	
	67HS71B	07034	A	11220	J8	17.10	1		.7	
	67LKM1	63556	A	11220	J8	17.20	10	1	2.2	
	67LKM2	63558	A	11220	J8	48.50	10	1	2.2	
	67LS	40424	A	11220	J7	9.60	10	1	2.5	
	67LS12	63550	A	11220	J7	30.65	10	1	8.2	
	67SLA1	40492	A	11220	J8	5.55	5		2.5	
	67SLA2	40496	A	11220	J8	10.25	5		2.5	
	67SLA3	63544	A	11220	J8	15.35	10	1	4.8	
	67SLA4	63546	A	11220	J8	19.65	10	1	4.8	
	67SS	40420	A	11220	J7	6.85	10	1	1.3	
	67SS12	63548	A	11220	J7	7.95	10	1	2.1	
	67TS100	07018	A	11220	J7	8.95	1		.3	
	67TS200	07020	A	11220	J7	11.00	1		.3	
	67TS30	40468	A	11220	J7	4.15	5		.3	
	67TS60	40472	A	11220	J7	6.85	5		.3	
	6801	13042	A	11190	A2	5.60	100	10	20.0	
	6801-I	13043	A	11190	A2	5.60	100	10	20.0	
	6801-L	00124	A	11190	A2	9.35	50	10	12.5	
	6801-W	68010	A	11190	A2	5.60	100	10	20.0	
	6802	13044	A	11190	A3	9.30	50	10	12.0	
	6802-I	13045	A	11190	A3	9.30	50	10	12.0	
	6803	13046	A	11190	A2	8.30	50	10	12.0	
	6803-I	13047	A	11190	A2	8.30	50	10	12.0	
	6803-L	13058	A	11190	A2	10.25	50	10	12.5	
	6803-W	68030	A	11190	A2	8.30	50	10	12.0	
	6804	13048	A	11190	A3	18.60	50	10	12.0	
	6804-I	13049	A	11190	A3	18.60	50	10	12.0	
	68AC1SPDT	68756	B	11222	J11	10.20	25		1.8	
	68AC2SPDT	68758	B	11222	J11	20.35	25		2.4	
	68CK30	68762	C	11222	J11	12.30	1		.4	
	68CK40	68764	C	11220	J11	15.40	1		.4	
	68CK50	68766	C	11220	J11	28.65	1		.4	
	68CK60	68768	C	11220	J11	32.75	1		.4	
	68CK75	68770	C	11220	J11	33.75	1		.4	
	68CK90	68772	C	11220	J11	40.90	1		.4	
	68DP202A	68700	B	11222	J10	23.50	12	1	8.5	
	68DP202B	68714	B	11222	J10	23.50	12	1	8.5	
	68DP202C	68738	B	11222	J10	23.50	12	1	8.4	
	68DP253B	68716	B	11222	J10	41.40	6	1	6.8	
	68DP302A	68702	B	11222	J10	33.75	12	1	8.6	
	68DP302B	68718	B	11222	J10	33.75	12	1	8.5	
	68DP302C	68740	B	11222	J10	33.75	12	1	8.5	
	68DP303A	68704	A	11222	J10	46.05	6	1	7.1	
	68DP303B	68720	A	11222	J10	46.05	6	1	7.0	
	68DP303C	68742	A	11222	J10	46.05	6	1	7.0	
	68DP304B	68722	C	11222	J10	61.35	6	1	8.3	
	68DP402A	68706	C	11222	J10	38.35	12	1	8.7	
	68DP402B	68724	C	11222	J10	38.35	12	1	8.8	
	68DP402C	68744	C	11222	J10	38.35	12	1	8.5	
	68DP403A	68708	A	11222	J10	54.20	6	1	7.5	
	68DP403B	68726	A	11222	J10	54.20	6	1	7.5	
	68DP403C	68746	A	11222	J10	54.20	6	1	7.6	
	68DP404B	68728	C	11222	J10	70.00	6	1	7.6	
	68DP503A	68710	B	11220	J10	106.80	6	1	8.8	
	68DP503B	68730	B	11222	J10	106.80	6	1	8.8	
	68DP503C	68748	B	11222	J10	106.80	6	1	8.8	
	68DP603A	68712	B	11220	J10	118.55	6	1	9.2	
	68DP603B	68732	B	11222	J10	118.55	6	1	8.9	
	68DP603C	68750	B	11222	J10	118.55	6	1	9.0	
	68DP753B	68734	C	11222	J10	170.90	4	1	15.0	

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68DP753C	68752	C	11220	J10	170.90	4	1	15.5
68DP903B	68736	C	11222	J10	213.95	6	1	15.9
68DP903C	68754	C	11220	J10	213.95	4	1	15.9
68MI2560	68760	B	11222	J11	6.80	1		.7
68RC2560HA	68773	C	11222	J11	25.60	1		.7
68RC2560HB	68774	C	11220	J11	25.60	1		.7
68RC2560HC	68776	C	11222	J11	25.60	1		.7
68RC2560HD	68778	C	11222	J11	25.60	1		.7
68RC2560HE	68780	C	11222	J11	25.60	1		.7
• 68RC7590B	68782	C	11220	J11	43.00	1		.7
• 68RC7590C	68784	C	11222	J11	43.00	1		.7
• 68RC7590D	68786	C	11220	J11	43.00	1		.7
• 68RC7590E	68788	C	11220	J11	43.00	1		.7
6901	13050	A	11190	A4	8.85	100	10	20.0
6901-I	13051	A	11190	A4	8.85	100	10	20.0
6901-W	68035	A	11190	A4	8.85	100	10	20.0
6902	13052	A	11190	A5	10.25	50	10	12.0
6902-I	13053	A	11190	A5	10.25	50	10	12.0
6902-W	68040	A	11190	A5	10.25	50	10	12.0
6903	13054	A	11190	A4	9.55	50	10	12.0
6903-I	13055	A	11190	A4	9.55	50	10	12.0
6903-W	68045	A	11190	A4	9.55	50	10	12.0
6904	13056	A	11190	A5	21.50	50	10	12.0
6904-I	13057	A	11190	A5	21.50	50	10	12.0
6904-W	68050	A	11190	A5	21.50	50	10	12.0
70204-ANA	69085	C	11111	G50	7.55	20	1	5.0
70520-ER	68850	B	11111	G12	16.90	10	1	3.0
70520-FR	68853	A	11111	G12	11.50	10	1	3.0
70520-FRCR	68854	B	11111	H5	12.75	10	1	3.0
70520-IG	68855	B	11111	F11	13.80	10	1	3.0
70520-MB	68856	B	11111	G12	10.15	10	1	3.0
70520-MBWP	68858	C	11111	G52	32.75	10	1	7.0
70520-MPI	68857	C	11111	H5	55.05	10	1	16.8
70520-NC	68859	A	11111	G12	14.10	10	1	3.5
70520-NCB	66657	B	11111	G12	14.55	10	1	3.5
70520-NCC	11002	A	11111	G12	14.10	10	1	3.5
70520-NCCR	68860	B	11111	H5	16.00	10	1	4.0
70520-NP	68862	A	11111	G12	9.05	10	1	3.0
70520-NPB	66656	B	11111	G12	9.95	10	1	3.0
70520-NPC	11000	A	11111	G12	9.05	10	1	3.0
70520-NPCR	68863	B	11111	H5	10.10	10	1	3.0
70530-ER	68870	B	11111	G16	21.60	10	1	3.0
70530-FR	68873	A	11111	G16	16.35	10	1	3.0
70530-FRCR	68874	C	11111	H6	17.70	10	1	3.0
70530-IG	68875	B	11111	F11	19.05	10	1	3.2
70530-MB	68876	B	11111	G16	17.90	10	1	4.0
7053C-MBWP	68886	C	11111	G52	42.45	10	1	7.0
70530-MPO	61630	C	11111	H6	95.70	10	1	18.0
70530-MPI	68877	C	11111	H6	56.10	10	1	15.0
70530-NC	68879	A	11111	G16	28.10	10	1	4.0
70530-NCB	66659	B	11111	G16	28.85	10	1	4.0
70530-NCC	11018	A	11111	G16	28.10	10	1	4.0
70530-NCCR	68878	C	11111	H6	29.65	10	1	4.0
70530-NP	68880	A	11111	G16	14.10	10	1	3.0
70530-NPB	66658	B	11111	G16	15.30	10	1	11.0
70530-NPC	11016	A	11111	G16	14.10	10	1	3.0
70530-NPCR	68882	C	11111	H6	14.90	10	1	3.0
▲ 70530-SMPI	68883	C	11111		56.10	10	1	15.0
70615-75	61634	C	11111	G10	10.50	10	1	2.5
70615-94	61635	C	11111	G10	10.50	10	1	2.5
70615-DR	70350	A	11111	G10	16.70	10	1	5.1
70615-DRIG	61631	C	11111	F11	16.95	10	1	5.1
70615-ER	70395	B	11111	G10	12.00	10	1	2.0
70615-FR	70355	A	11111	G10	10.55	10	1	2.0
70615-IG	61632	B	11111	F11	17.00	10	1	2.1
70615-MB	70400	B	11111	G10	8.75	10	1	2.1
70615-NC	70390	A	11111	G10	13.15	10	1	2.1
70615-NCC	01080	A	11111	G10	13.15	10	1	2.1
70615-NP	66605	A	11111	G10	7.60	10	1	1.5
70615-NPC	01075	A	11111	G10	7.60	10	1	1.5
70620-ER	68920	B	11111	G12	17.05	10	1	3.2
70620-FR	68923	A	11111	G12	11.50	10	1	3.0
70620-IG	73081	B	11111	F11	14.25	10	1	3.0
70620-MB	68926	B	11111	G12	10.15	10	1	3.0
70620-MBWP	68927	C	11111	G52	32.75	10	1	7.0
70620-NC	68929	A	11111	G12	14.10	10	1	4.0
70620-NCC	11006	A	11111	G12	14.10	10	1	4.0
70620-NCCR	70625	B	11111	G12	14.35	10	1	4.0
70620-NP	68932	A	11111	G12	9.05	10	1	3.0
70620-NPC	11004	A	11111	G12	9.05	10	1	3.0
70620-NPCR	70620	B	11111	G12	10.40	10	1	3.0
70630-ER	68940	B	11111	G16	22.30	10	1	3.1
70630-FR	68943	A	11111	G16	17.70	10	1	3.0
70630-IG	68945	B	11111	F11	20.80	10	1	3.0
70630-MB	68946	B	11111	G16	18.90	10	1	3.0
70630-MBWP	68947	C	11111	G52	42.45	10	1	8.0
70630-NC	68949	A	11111	G16	29.80	10	1	3.5
70630-NCB	66661	B	11111	G16	29.80	10	1	3.5
70630-NCC	11022	A	11111	G16	28.35	10	1	3.5
70630-NCCR	70635	B	11111	G16	29.10	10	1	3.5
70630-NP	68952	A	11111	G16	14.20	10	1	3.0
70630-NPB	66660	B	11111	G16	15.40	10	1	3.0
70630-NPC	11020	A	11111	G16	14.20	10	1	3.0
70630-NPCR	70630	B	11111	G16	14.50	10	1	3.0
70720-ER	69000	B	11111	G12	17.25	10	1	3.0
70720-FR	69003	A	11111	G12	11.90	10	1	3.0
70720-MB	69006	B	11111	G12	10.15	10	1	3.0
70720-NC	69009	A	11111	G12	14.15	10	1	3.5
70720-NP	69012	A	11111	G12	9.05	10	1	3.0
70730-ER	69020	B	11111	G16	21.65	10	1	3.0
70730-FR	69023	A	11111	G16	17.75	10	1	3.2
70730-MB	69026	B	11111	G16	18.05	10	1	3.0
70730-NC	69029	A	11111	G16	28.75	10	1	3.5
70730-NP	69032	A	11111	G16	14.00	10	1	3.0
70820-ER	69080	C	11111	G13	17.40	10	1	3.0
70820-FR	69083	B	11111	G13	12.55	10	1	3.2
70820-MB	69086	C	11111	G13	10.30	10	1	3.0
70820-NC	69089	B	11111	G13	15.30	10	1	3.5
70820-NCC	11010	B	11111	G13	15.30	10	1	3.5
70820-NP	69092	B	11111	G13	9.70	10	1	3.0
70820-NPC	11008	B	11111	G13	9.70	10	1	3.0
70830-ER	69110	C	11111	G17	22.35	10	1	3.0
70830-FR	69113	B	11111	G17	18.40	10	1	3.2
70830-MB	69116	C	11111	G17	18.50	10	1	3.0
70830-NC	69119	B	11111	G17	29.05	10	1	3.5
70830-NP	69122	B	11111	G17	14.60	10	1	3.0
70920-ER	69160	B	11111	G13	18.10	10	1	3.0
70920-FR	69163	B	11111	G13	15.95	10	1	3.2
70920-MB	69166	B	11111	G13	10.45	10	1	3.0
70920-NC	69169	B	11111	G13	15.35	10	1	3.5
70920-NCC	11014	B	11111	G13	15.35	10	1	3.5
70920-NP	69172	B	11111	G13	9.80	10	1	3.0
70920-NPC	11012	B	11111	G13	9.80	10	1	3.0
70930-ER	69190	C	11111	G17	22.40	10	1	3.0
70930-FR	69193	B	11111	G17	18.40	10	1	3.2
70930-MB	69196	C	11111	G17	18.70	10	1	3.0
70930-NC	69199	B	11111	G17	29.30	10	1	3.5
70930-NP	69202	B	11111	G17	14.05	10	1	3.0
7101	62744	A	11112	G6	9.40	50	10	11.0
71020-ER	69240	C	11111	G25	19.60	10	1	3.1

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71020-FR	69243	C	11111	G25	17.00	10	1	3.3
71020-MB	69246	C	11111	G25	13.20	10	1	3.1
71020-NC	69249	C	11111	G25	16.10	10	1	3.6
71020-NP	69252	C	11111	G25	11.40	10	1	3.1
7102-N	71550	A	11112	G6	7.40	100	10	14.5
71030-ER	69260	C	11111	G27	24.60	10	1	3.1
71030-FR	69263	C	11111	G27	20.95	10	1	3.3
71030-MB	69266	C	11111	G27	20.70	10	1	3.1
71030-NC	69269	C	11111	G27	31.30	10	1	3.6
71030-NP	69272	C	11111	G27	17.20	10	1	3.1
71120-ER	69330	C	11111	G25	19.90	10	1	3.1
71120-FR	69333	C	11111	G25	17.00	10	1	3.3
71120-MB	69336	C	11111	G25	13.35	10	1	3.1
71120-NC	69339	C	11111	G25	15.45	10	1	3.6
71120-NP	69342	C	11111	G25	10.85	10	1	3.1
71130-ER	69370	C	11111	G27	24.80	10	1	3.1
71130-FR	69373	C	11111	G27	21.40	10	1	3.3
71130-MB	69376	C	11111	G27	20.95	10	1	3.1
71130-NC	69379	C	11111	G27	31.80	10	1	3.6
71130-NP	69382	C	11111	G27	17.15	10	1	3.1
71220-ER	69410	C	11111	G25	19.25	10	1	3.1
71220-FR	69413	C	11111	G25	16.40	10	1	3.3
71220-MB	69416	C	11111	G25	13.55	10	1	3.1
71220-NC	69419	C	11111	G25	16.35	10	1	3.6
71220-NP	69422	C	11111	G25	11.35	10	1	3.1
71230-ER	69430	C	11111	G28	24.35	10	1	3.1
71230-FR	69433	C	11111	G28	20.25	10	1	3.3
71230-MB	69436	C	11111	G28	20.35	10	1	3.1
71230-NC	69439	C	11111	G28	35.00	10	1	3.6
71230-NP	69442	C	11111	G28	18.55	10	1	3.1
71330-ER	69470	C	11111	G28	23.85	10	1	3.1
71330-FR	69473	C	11111	G28	19.85	10	1	3.3
71330-MB	69476	C	11111	G28	19.15	10	1	3.1
71330-NC	69479	C	11111	G28	34.70	10	1	3.6
71330-NP	69482	C	11111	G28	18.00	10	1	3.1
71420-ER	69510	B	11111	G30	21.15	10	1	3.1
71420-FR	69513	A	11111	G30	16.20	10	1	3.3
71420-IG	69514	B	11111	F11	18.90	10	1	3.3
71420-MB	69516	B	11111	G30	14.20	10	1	3.1
71420-MBWP	69517	C	11111	G52	40.05	10	1	8.6
71420-NC	69519	A	11111	G30	19.30	10	1	3.6
71420-NCC	11026	A	11111	G30	19.30	10	1	3.6
71420-NP	69522	A	11111	G30	13.80	10	1	3.5
71420-NPC	11024	A	11111	G30	13.80	10	1	3.5
71430-ER	69530	B	11111	G31	26.10	10	1	3.5
71430-FR	69533	A	11111	G31	25.65	10	1	3.5
71430-IG	69534	B	11111	F11	28.50	10	1	3.5
71430-MB	69536	B	11111	G31	22.50	10	1	3.5
71430-MBWP	69537	C	11111	G52	48.05	10	1	7.0
71430-NC	69539	A	11111	G31	39.20	10	1	3.6
71430-NCC	11038	A	11111	G31	39.20	10	1	3.6
71430-NP	69542	A	11111	G31	18.90	10	1	3.5
71430-NPC	11036	A	11111	G31	18.90	10	1	3.5
71520-ER	69580	B	11111	G30	20.05	10	1	3.5
71520-FR	69583	A	11111	G30	16.25	10	1	3.5
71520-MB	69586	B	11111	G30	14.30	10	1	3.5
71520-MBWP	69587	C	11111	G52	40.05	10	1	7.0
71520-NC	69589	A	11111	G30	19.30	10	1	3.6
71520-NCC	11030	A	11111	G30	19.30	10	1	3.6
71520-NP	69592	A	11111	G30	14.70	10	1	3.0
71520-NPC	11028	A	11111	G30	14.70	10	1	3.0
71530-ER	69610	B	11111	G31	26.10	10	1	3.0
71530-FR	69613	A	11111	G31	25.90	10	1	3.0
71530-MB	69616	B	11111	G31	22.70	10	1	3.0
71530-MBWP	69617	C	11111	G52	49.65	10	1	7.0
71530-NC	69619	A	11111	G31	39.10	10	1	3.6
71530-NCC	11042	A	11111	G31	39.10	10	1	3.6
71530-NP	69622	A	11111	G31	19.00	10	1	3.5
71530-NPC	11040	A	11111	G31	19.00	10	1	3.5
71620-ER	69680	C	11111	G30	20.70	10	1	3.1
71620-FR	69683	B	11111	G30	16.50	10	1	3.2
71620-MB	69686	C	11111	G30	14.65	10	1	3.1
71620-MBWP	69687	C	11111	G52	40.05	10	1	7.0
71620-NC	69689	B	11111	G30	19.90	10	1	3.6
71620-NCC	11034	A	11111	G30	19.90	10	1	3.6
71620-NP	69692	B	11111	G30	14.80	10	1	3.3
71620-NPC	11032	A	11111	G30	14.80	10	1	3.3
71630-ER	69710	C	11111	G32	26.80	10	1	3.3
71630-FR	69713	B	11111	G32	26.00	10	1	3.5
71630-MB	69716	C	11111	G32	23.45	10	1	3.3
71630-MBWP	69717	C	11111	G52	49.65	10	1	7.0
71630-NC	69719	B	11111	G32	40.30	10	1	3.6
71630-NCC	11046	A	11111	G32	40.30	10	1	3.6
71630-NP	69722	B	11111	G32	19.10	10	1	3.5
71630-NPC	11044	A	11111	G32	19.10	10	1	3.5
71730-ER	69760	C	11111	G32	27.00	10	1	3.5
71730-FR	69763	B	11111	G32	25.45	10	1	3.5
71730-MB	69766	C	11111	G32	23.55	10	1	3.5
71730-NC	69769	B	11111	G32	40.40	10	1	3.6
71730-NCC	11050	A	11111	G32	40.40	10	1	3.6
71730-NP	69772	B	11111	G32	19.50	10	1	3.5
71730-NPC	11048	A	11111	G32	19.50	10	1	3.5
71820-ER	69810	C	11111	G39	21.75	10	1	3.5
71820-FR	69813	C	11111	G39	18.00	10	1	3.6
71820-MB	69816	C	11111	G39	15.30	10	1	3.5
71820-NC	69819	C	11111	G39	22.15	10	1	3.6
71820-NP	69822	C	11111	G39	15.95	10	1	3.5
71830-ER	69840	C	11111	G41	28.10	10	1	3.5
71830-FR	69843	C	11111	G41	26.55	10	1	3.6
71830-MB	69846	C	11111	G41	24.80	10	1	3.5
71830-NC	69849	C	11111	G41	42.45	10	1	3.6
71830-NP	69852	C	11111	G41	20.00	10	1	3.5
71920-ER	69890	C	11111	G39	21.85	10	1	3.5
71920-FR	69893	C	11111	G39	18.05	10	1	3.6
71920-MB	69896	C	11111	G39	15.30	10	1	3.5
71920-NC	69899	C	11111	G39	22.15	10	1	3.6
71920-NP	69902	C	11111	G39	15.95	10	1	3.5
71930-ER	69940	C	11111	G41	28.15	10	1	3.5
71930-FR	69943	C	11111	G41	26.65	10	1	3.6
71930-MB	69946	C	11111	G41	24.85	10	1	3.5
71930-NC	69949	C	11111	G41	42.00	10	1	3.6
71930-NP	69952	C	11111	G41	20.00	10	1	3.5
72002-BC	13356	B	11113	H13	7.35	5	1	1.6
72002-BCB	13360	B	11113	H13	7.35	5	1	1.6
72002-BP	13355	B	11113	H13	6.60	10	1	1.6
72002-BPB	13359	B	11113	H13	6.60	10	1	1.6
72002-BSR	13357	B	11113	H13	5.20	10	1	2.0
72002-BSRB	13361	B	11113	H13	5.20	10	1	2.0
72002-M	13358	B	11113	H13	14.35	10	1	1.6
72020-ER	70020	C	11111	G39	21.85	10	1	3.0
72020-FR	70023	C	11111	G39	17.90	10	1	3.2
72020-MB	70026	C	11111	G39	15.40	10	1	3.1
72020-NC	70029	C	11111	G39	22.35	10	1	3.3
72020-NP	70032	C	11111	G39	15.95	10	1	3.1
72030-ER	70050	C	11111	G41	28.25	10	1	3.1
72030-FR	70053	C	11111	G41	26.70	10	1	3.2
72030-MB	70056	C	11111	G41	24.95	10	1	3.1
72030-NC	70059	C	11111	G41	42.60	10	1	3.3
72030-NP	70062	C	11111	G41	20.00	10	1	3.1
7210-B	62776	A	11112	G6	9.10	50	10	11.0

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	72120-ER	70120	B	11111	G43	42.65	10	1	3.1
	72120-FR	70123	A	11111	G43	19.95	10	1	3.2
	72120-IG	70124	B	11111	F11	22.40	10	1	3.2
	72120-MB	70126	B	11111	G43	23.15	10	1	3.1
	72120-NC	70129	A	11111	G43	30.80	10	1	3.3
	72120-NCB	66663	B	11111	G43	30.55	10	1	3.3
	72120-NCC	11054	A	11111	G43	30.80	10	1	3.3
	72120-NP	70132	A	11111	G43	17.85	10	1	3.1
	72120-NPB	66662	B	11111	G43	18.50	10	1	3.1
	72120-NPC	11052	A	11111	G43	17.85	10	1	3.1
	72130-ER	70140	B	11111	G46	46.45	10	1	3.1
	72130-FR	70143	A	11111	G46	27.75	10	1	3.2
	72130-IG	70144	B	11111	F11	31.80	10	1	3.2
	72130-MB	70146	B	11111	G46	24.10	10	1	3.1
	72130-NC	70149	A	11111	G46	38.85	10	1	3.3
	72130-NCC	11058	A	11111	G46	38.85	10	1	3.3
	72130-NP	70152	A	11111	G46	21.20	10	1	3.1
	72130-NPC	11056	A	11111	G46	21.20	10	1	3.1
	72220-ER	70180	C	11111	G43	44.35	10	1	3.1
	72220-FR	70183	B	11111	G43	20.45	10	1	3.2
	72220-MB	70186	C	11111	G43	24.10	10	1	3.1
	72220-NC	70189	B	11111	G43	31.75	10	1	3.4
	72220-NP	70192	B	11111	G43	18.40	10	1	3.1
	72230-ER	70210	C	11111	G46	47.80	10	1	3.1
	72230-FR	70213	B	11111	G46	28.45	10	1	3.2
	72230-MB	70216	C	11111	G46	25.00	10	1	3.1
	72230-NC	70219	B	11111	G46	40.30	10	1	3.4
	72230-NP	70222	B	11111	G46	21.80	10	1	3.1
	72320-ER	70260	C	11111	G43	44.35	10	1	3.1
	72320-FR	70263	B	11111	G43	20.55	10	1	3.2
	72320-MB	70266	C	11111	G43	24.10	10	1	3.1
	72320-NC	70269	B	11111	G43	31.65	10	1	3.4
	72320-NP	70272	B	11111	G43	18.40	10	1	3.1
	72330-ER	70290	C	11111	G46	47.90	10	1	3.1
	72330-FR	70293	B	11111	G46	29.60	10	1	3.2
	72330-MB	70296	C	11111	G46	25.00	10	1	3.1
	72330-NC	70299	B	11111	G46	41.75	10	1	3.4
	72330-NP	70302	B	11111	G46	22.65	10	1	3.1
@	7250	62787	B	11560	B35	17.45	20	10	6.0
@	7251-N	62793	B	11510	B35	26.50	30	10	7.4
	7310	62800	A	11111	G24	15.65	30	10	9.0
	7310-G	62802	A	11111	G24	16.35	30	10	9.0
	7314	62810	A	11111	G24	18.10	30	10	12.0
	7314-NB	61637	A	11111	G24	19.55	30	10	12.0
	7314-NSY	66783	A	11111	G24	18.90	30	10	12.0
	7327	62815	B	11111	G24	12.90	30	10	10.0
	7328	62817	B	11111	G24	22.30	30	10	8.5
-	7379	66850	C	11113	G36	53.15	10	1	8.0
-	7382	62825	C	14550	G20	17.45	10	1	7.2
-	7383	62826	C	14550	G20	14.25	10	2	5.0
-	7400-BCR	66875	B	11113	H12	3.50	50	10	3.5
□	7408	62827	B	11111	G38	19.15	30	10	15.0
		SUGGESTED CAT # 7408-MB							
	7408-MB	62828	B	11112	G38	19.15	10	1	5.0
□	7409	62829	B	11111	G38	23.90	30	10	15.0
		SUGGESTED CAT # 7409-ER							
	7409-ER	62834	B	11112	G38	23.90	10	1	5.0
	7410	62831	A	11111	G38	19.10	30	10	10.0
	7410-G	62833	A	11111	G38	19.90	30	10	10.0
	7414	62838	A	11111	G38	21.20	30	10	11.8
	7414-NSY	66888	A	11111	G38	22.80	30	10	12.0
	7417	62842	C	11111	G38	22.65	15	5	6.0
-	7418-B	62845	B	14550	L1	11.85	25	1	9.3
-	7420-B	62848	A	14550	L1	12.15	25	1	10.3
-	7427-B	62852	B	14550	L1	12.15	25	1	10.0

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-	7429-B	62857	A	14550	L1	12.90	10	1	3.4
@	746	62860	C	11290	A13	5.00	200	25	2.0
-	7460-BC	62871	B	11116	H12	4.20	50		2.2
-	7460-BP	62873	B	11116	H12	4.15	50		2.0
	7464-N	63850	A	11116	G4	5.90	50	10	5.0
	7464-NB	61660	A	11116	G4	6.85	50	10	5.0
	7465-N	62870	A	11116	G4	5.50	50	10	5.0
	7465-NB	61661	A	11116	G4	6.40	50	10	5.0
	7466-N	63851	A	11116	G4	7.75	50	10	3.5
	7468-N	63852	A	11116	G4	6.70	50	10	3.5
@	746-GREEN	62861	C	11290	A13	5.05	200	25	2.0
	7484-NC	66935	A	11116	G22	9.65	50	10	5.5
	7485-NP	66940	A	11116	G22	7.10	50	10	5.0
	7486-MB	66945	A	11116	G22	6.60	50	10	5.5
	7487-ER	66950	A	11116	G22	7.65	50	10	6.0
-	7506	62893	C	11112	G5	8.45	50	10	6.3
-	7513-NP	73242	B	11175	B32	28.45	10	1	8.0
-	7516-NC	73243	B	11175	B32	46.30	10	1	8.9
#	751-NB	64600	C	11830	M16	0.25	100		.5
#	751-NI	64603	C	11830	M16	0.25	100		.5
-	7523	62910	C	11112	G5	10.00	50	10	6.0
-	7526	62912	C	11112	G5	7.45	50	10	5.3
-	7535	62916	C	11112	G5	7.65	50	10	10.0
-	7540	62920	A	11112	G5	10.15	50	10	12.5
-	7548	62925	C	11112	G5	6.90	50	10	11.6
	7556-MB	40535	A	11111	G23	12.80	10	1	1.0
	7557-ER	40585	A	11111	G23	13.75	10	1	1.1
□	756	62934	C	11830	M16	2.20	250	10	9.0
		SUPERCEDED BY 756-BRN							
	7565-NC	01050	A	11111	G23	15.65	10	1	2.0
	7565-NCCR	01060	A	11111	G23	16.25	10	1	2.0
	7568-NP	01045	A	11111	G23	9.50	10	1	1.4
	7568-NPCR	01055	A	11111	G23	10.25	10	1	1.4
	756-BRN	62934	C	11830	M16	2.20	250	10	9.0
	756-I	62935	C	11830	M16	2.40	250	10	9.0
	7580-DR	00214	A	11111	G23	20.00	10	1	
	7580-GDR	00216	A	11111	G23	20.10	10	1	
	7582	62949	A	11111	G23	12.95	30	10	7.6
	7582-G	62950	A	11111	G23	13.20	30	10	7.6
	7593-NC	67130	A	11116	G7	9.40	50	10	5.5
	7594-NP	67135	A	11116	G7	7.20	50	10	5.0
	7595-MB	67140	A	11116	G7	7.15	50	10	5.5
	7596-ER	67145	A	11116	G7	8.55	50	10	6.0
-	7715-CR	62974	C	11113	H13	15.15	10	1	7.0
-	7716B	33749	A	11113	H13	14.55	10	1	3.1
-	7716-CR	62978	C	11113	H13	11.60	10	1	4.0
-	7717B	33750	A	11113	H13	14.55	10	1	4.1
-	7717-CR	62979	C	11113	H13	11.90	5	1	3.2
-	7717-N	73095	C	11115	H13	11.90	10	1	5.0
-	7764	62988	B	11113	G36	65.50	10	1	14.0
-	7764-N	73100	B	11115	G37	61.70	5	1	3.0
-	7765	62989	B	11113	G36	50.90	10	1	12.0
-	7765-N	73101	B	11115	G37	47.80	5	1	3.0
-	7770	62990	B	14550	H14	21.35	5	2	8.0
-	7774-CR	67155	B	14550	H15	23.05	10	1	6.0
-	7847	73030	B	11510	B6	12.85	25	10	8.0
-	7958-N	63853	C	11115	G37	51.50	5	1	2.4
-	7968	67220	C	11113	G36	65.45	10	2	11.8
	8115-GY	14304	A	11145	B28	4.70	100	10	17.0
	8200	67250	A	11430	C3	12.10	100	10	20.0
	8200-C	96562	A	11430	C3	12.10	100	10	20.0
	8200-GRY	67251	B	11430	C3	12.10	100	10	24.0
	8200-I	67252	A	11430	C3	12.10	100	10	20.0
	8200-IC	96563	A	11430	C3	12.20	100	10	20.0
	8200-IG	73102	B	11430	F9	13.95	100	10	23.5

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8200-IGC	96564	A	11430	F9	18.85			
8200-IL	61671	A	11430	C3	15.90	100	10	23.8
8200-RED	67253	B	11430	C3	12.10	100	10	20.0
8200-REDC	96565	A	11430	C3	12.20			
8200-REDL	61672	B	11430	C3	15.90	100	10	23.7
8200-W	67254	B	11430	C3	12.10	100	10	20.0
8200-WL	61673	A	11430	C3	15.90	100	10	23.8
8210	67260	A	11430	C3	9.40	50	10	8.0
8210-GRY	67265	C	11430	C3	9.70	50	10	7.5
8210-I	67262	A	11430	C3	9.70	50	10	7.8
8210-IG	73134	B	11430	F9	13.55	50	10	7.6
8210-RED	67263	C	11430	C3	9.70	50	10	7.5
8210-W	67264	C	11430	C3	9.70	50	10	7.5
8266-N	67270	A	11417	C7	6.80	100	10	16.5
8266-NB	61674	C	11417		7.05	100	10	16.5
8266-T	67271	B	11417	C7	8.70	100	10	16.5
8266-TSP	67272	A	11417	B16	9.35	100	10	22.6
8269-N	67273	A	11417	C7	11.85	100	10	16.5
8269-T	67274	B	11417	C7	14.15	100	10	16.5
8269-TSC	67276	A	11417	B16	13.85	100	10	30.5
8295-T	67275	B	11417	C8	9.00	50	10	7.0
8300	67280	A	11430	C4	13.25	100	10	20.0
8300-CAN	67293	A	11430	C4	13.35	100	10	20.0
8300-CANGRY	67295	A	11430	C4	13.35	100	10	20.0
8300-CANI	96566	A	11430	C4	13.35	100	10	20.0
8300-CANRED	67296	A	11430	C4	13.35	100	10	20.0
8300-CANW	67297	A	11430	C4	13.35	100	10	20.0
8300-GRY	67281	B	11430	C4	13.25	100	10	20.0
8300-GRYL	61675	A	11430	C4	17.40	100	10	23.8
8300-I	67282	A	11430	C4	13.25	100	10	20.0
8300-IG	73054	B	11430	F9	15.80	100	10	20.0
8300-IL	61676	A	11430	C4	16.90	100	10	23.9
8300-RED	67283	B	11430	C4	13.25	100	10	20.0
8300-REDL	61677	A	11430	C4	16.90	100	10	20.0
8300-W	67284	B	11430	C4	13.25	100	10	20.0
8300-WL	61678	A	11430	C4	17.40	100	10	23.8
8310	67290	A	11430	C4	10.85	50	10	7.6
8310-GRY	67295	C	11430	C4	10.85	50	10	7.6
8310-I	67292	A	11430	C4	10.85	50	10	7.5
8310-IG	73135	B	11430	F9	15.25	50	10	7.6
8310-RED	67293	C	11430	C4	10.85	50	10	7.5
8310-W	67294	C	11430	C4	10.85	50	10	7.5
8350-FR	67325	C	11177	B35	35.20	10	1	6.5
8352-ANP	67330	C	11170	B35	35.00	10	1	7.7
8360-FR	67340	B	11177	B35	44.75	10	1	6.5
8362-ANP	67345	B	11170	B35	42.85	10	1	7.7
8366-N	67355	A	11417	C7	8.95	100	10	16.0
8366-T	67356	B	11417	C7	10.85	100	10	16.5
8366-TSP	67357	A	11417	B16	10.70	100	10	30.7
8369-N	67358	A	11417	C7	14.50	100	10	16.5
8369-NCAN	73139	A	11417	C7	14.90			
8369-T	67359	B	11417	C7	17.00	100	10	16.5
8369-TSC	67360	A	11417	B16	14.75	100	10	21.7
8395-T	67370	B	11417	C8	11.70	50	10	8.0
@ 84	63046	C	11290	K6	18.35	25	5	15.8
8410-BRN	73140	C	11430		9.20	50	10	
8410-GRY	73141	C	11430	C4	9.20	50	10	7.6
8410-I	73142	C	11430	C4	9.20	50	10	7.6
8410-IG	73143	C	11430	F9	13.60	50	10	7.6
8410-RED	73144	C	11430	C4	9.20	50	10	7.6
8410-W	73145	C	11430	C4	9.20	50	10	7.6
8430-FR	67385	B	11177	B34	28.15	10	1	6.5
8430-NP	73146	C	11175	B34	32.65	10	1	7.6
8432-ANP	67390	B	11170	B34	31.80	10	1	7.7
8450-FR	67410	B	11177	B34	39.70	10	1	6.5
8450-NP	73147	C	11175	B34	51.75	10	1	7.8
8452-ANP	67415	B	11170	B34	37.50	10	1	7.7
8460-FR	67425	B	11177	B34	45.20	10	1	6.5
8460-NP	73148	C	11175	B34	42.80	10	1	7.8
8462-ANP	67430	B	11170	B34	43.45	10	1	7.7
8466-N	73149	C	11417	C7	9.35	100	10	17.1
8466-TSP	67450	A	11417	B16	11.95	100	10	23.0
8469-N	73180	C	11417	C7	15.65	100	10	17.1
8469-TSC	67455	A	11417	B16	17.60	100	10	30.5
8495-T	61679	B	11417	C8	12.30	50	10	6.5
8666-TSP	67480	A	11417	B16	10.10	100	10	22.5
8669-TSC	67485	A	11417	B16	16.95	100	10	31.5
8695-T	61680	B	11417	C8	10.50	50	10	6.5
8808	63076	C	11112	G6	8.50	30	10	6.0
8809	63077	C	11112	G6	11.40	50	10	11.0
9053-AB	69830	A	11111	K8	23.10	10	1	2.8
9054-AB	69832	A	11111	K8	18.80	10	1	2.8
9102-N	61683	A	11112	G6	6.85	100	10	
9151-N	63140	C	11560	B31	14.20	30	10	8.5
9200	74103	A	11540	D5	10.20	50	10	12.8
9200-GRY	74106	A	11540	D5	10.20	50	10	12.8
9200-GRYL	74133	A	11540	D5	12.45	50	10	12.9
9200-I	74109	A	11540	D5	10.20	50	10	12.8
9200-IG	74157	A	11540	D5	13.95	50	10	12.8
9200-IGGRY	74166	A	11540	D5	13.95	50	10	12.7
9200-IGI	74160	A	11540	D5	13.95	50	10	12.7
9200-IGRED	74169	A	11540	D5	13.95	50	10	12.7
9200-IGW	74163	A	11540	D5	13.95	50	10	12.7
9200-IL	74136	A	11540	D5	12.45	50	10	12.9
9200-RED	74115	A	11540	D5	10.20	50	10	12.8
9200-REDL	74142	A	11540	D5	12.45	50	10	12.9
9200-W	74112	A	11540	D5	10.20	50	10	12.8
9200-WL	74139	A	11540	D5	12.45	50	10	13.0
9252	74187	A	11540	D7	5.45	50	10	12.3
9252-BLK	74199	A	11540	D7	5.90	50	10	12.3
9252-GRY	74196	A	11540	D7	5.45	50	10	12.3
9252-I	74190	A	11540	D7	5.45	50	10	12.3
9252-W	74193	A	11540	D7	5.45	50	10	12.3
9300	74118	A	11540	D6	10.95	50	10	12.8
9300-GRY	74121	A	11540	D6	10.95	50	10	12.8
9300-GRYL	74145	A	11540	D6	14.25	50	10	12.8
9300-I	74124	A	11540	D6	10.95	50	10	12.8
9300-IG	74172	A	11540	D6	16.25	50	10	12.8
9300-IGGRY	74181	A	11540	D6	16.25	50	10	12.8
9300-IGI	74175	A	11540	D6	16.25	50	10	12.8
9300-IGRED	74184	A	11540	D6	16.25	50	10	12.7
9300-IGW	74178	A	11540	D6	16.25	50	10	12.8
9300-IL	74148	A	11540	D6	14.25	50	10	13.5
9300-RED	74130	A	11540	D6	10.95	50	10	12.8
9300-REDL	74154	A	11540	D6	14.25	50	10	12.9
9300-W	74127	A	11540	D6	10.95	50	10	12.8
9300-WL	74151	A	11540	D6	14.25	50	10	13.5
9303	63223	A	11175	B32	6.65	25	1	10.1
9306	63226	B	11175	B32	6.65	25	1	10.2
9321	63240	C	11560	B31	17.55	25	1	9.3
9326	63246	B	11560	B31	13.20	100	10	18.5
9337-NC	73191	C	11175	B32	40.55	10	1	5.5
9337-NP	73192	A	11175	B32	28.15	10	1	7.6
9352-BLK	74214	A	11540	D8	7.95	50	10	12.3
9352-BRN	74202	A	11540	D8	7.60	50	10	
9352-GRY	74211	A	11540	D8	7.60	50	10	12.3
9352-I	74205	A	11540	D8	7.60	50	10	12.3
9352-W	74208	A	11540	D8	7.60	50	10	12.3
9430-FR	67593	B	11177	B33	30.15	10	1	6.5
9432-ANP	67608	B	11170	B33	29.60	10	1	7.7

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9450-FR	67623	B	11177	B33	**38.90**	10	1	6.5
9450-NP	73194	C	11175	B33	**37.20**	10	1	9.8
9452-ANP	67638	B	11170	B33	**35.75**	10	1	7.8
9460-FR	67648	B	11177	B33	**43.20**	10	1	6.5
9460-NP	73195	C	11175	B33	**45.10**	10	1	7.6
9462-ANP	67663	B	11170	B33	**41.90**	10	1	7.7
9530-ANP	67670	A	11170	B29	**27.20**	10	1	7.0
9530-FR	67673	A	11177	B29	**11.25**	25	1	9.0
9530-IG	73106	B	11177	F10	**17.80**	25	5	9.0
9530-NC	73197	C	11175	B29	**38.30**	10	1	10.7
9530-NP	73198	C	11175	B29	**34.75**	10	1	7.6
9550-ANP	67685	A	11170	B30	**30.15**	10	1	7.0
9550-FR	67688	A	11177	B30	**14.80**	25	1	9.0
9550-IG	73107	B	11177	F10	**19.45**	25	5	9.0
9630-ANP	67725	A	11170	B29	**29.55**	10	1	7.0
9630-FR	67728	A	11177	B29	**12.80**	25	1	9.0
9630-IG	73108	B	11177	F10	**19.05**	25	5	9.0
9630-NC	73222	C	11175	B29	**37.05**	10	1	10.8
9630-NP	73223	C	11175	B29	**34.75**	10	1	8.0
9650-ANP	67740	A	11170	B30	**30.35**	10	1	7.0
9650-FR	67743	A	11177	B30	**14.85**	25	1	9.0
9650-IG	73109	B	11170	F10	**19.40**	25	5	9.0
9650-NC	73225	C	11175	B30	**39.35**	10	1	11.1
9650-NP	73226	C	11175	B30	**33.60**	10	1	7.9
9700-S	67780	C	11140	H12	**0.85**	100	10	2.0
9754-NS	67810	A	11140	B6	**4.20**	50	10	5.0
9754-NSB	67815	A	11140		**4.20**	10	1	1.5
9755-N	73035	A	11140	B6	**6.75**	50	10	7.0
9801	74001	A	11550	D2	**4.95**	30	10	6.8
9801-GRY	74007	A	11550	D2	**4.95**	30	10	6.8
9801-I	74004	A	11550	D2	**4.95**	30	10	6.8
9801-W	74010	A	11550	D2	**4.95**	30	10	6.8
9803	74028	A	11550	D2	**5.45**	30	10	7.1
9803-GRY	74034	A	11550	D2	**5.45**	30	10	7.1
9803-I	74031	A	11550	D2	**5.45**	30	10	7.1
9803-W	74037	A	11550	D2	**5.45**	30	10	7.1
9901	74013	A	11550	D3	**7.30**	30	10	6.8
9901-BLK	74025	A	11550	D3	**7.30**	30	10	6.7
9901-GLI	74055	A	11550	D3	**9.55**	30	10	6.8
9901-GLW	74058	A	11550	D3	**9.55**	30	10	6.8
9901-GRY	74019	A	11550	D3	**7.30**	30	10	6.8
9901-I	74016	A	11550	D3	**7.30**	30	10	6.8
9901-PLI120	74067	A	11550	D3	**12.30**	30	10	7.2
9901-PLW120	74070	A	11550	D3	**12.30**	30	10	7.2
9901-W	74022	A	11550	D3	**7.30**	30	10	6.8
9902	74073	A	11550	D3	**14.65**	30	10	9.2
9902-BLK	74085	A	11550	D3	**14.65**	30	10	9.2
9902-GRY	74079	A	11550	D3	**14.65**	30	10	9.2
9902-I	74076	A	11550	D3	**14.65**	30	10	9.2
9902-W	74082	A	11550	D3	**14.65**	30	10	9.2
9903	74040	A	11550	D3	**10.70**	30	10	7.2
9903-BLK	74052	A	11550	D3	**10.70**	30	10	7.2
9903-GLI	74061	A	11550	D3	**13.10**	30	10	7.2
9903-GLW	74064	A	11550	D3	**13.10**	30	10	7.2
9903-GRY	74046	A	11550	D3	**10.70**	30	10	7.2
9903-I	74043	A	11550	D3	**10.70**	30	10	7.2
9903-W	74049	A	11550	D3	**10.70**	30	10	7.2
9904	74088	A	11550	D3	**22.45**	30	10	9.5
9904-BLK	74100	A	11550	D3	**22.45**	30	10	9.5
9904-GRY	74094	A	11550	D3	**22.45**	30	10	9.5
9904-I	74091	A	11550	D3	**22.45**	30	10	9.5
9904-W	74097	A	11550	D3	**22.45**	30	10	9.7
9965	63375	A	11111	G24	**11.15**	30	10	10.6
9965-NB	61686	A	11111	G24	**13.35**	30	10	10.6
9965-NSY	67873	A	11111	G24	**12.40**	30	10	10.6
9967	63380	A	11111	G38	**16.30**	30	10	9.6
9967-NSY	67883	A	11111	G38	**17.65**	30	10	9.6
9CBD2-GRY	22415	A	11630	D13	**3.40**	50	5	3.5
9CBD2-I	22420	A	11630	D13	**3.40**	50	5	3.5
9CBD2-W	22425	A	11630	D13	**3.40**	50	5	3.5
9CBD-GRY	22400	A	11630	D13	**3.40**	50	5	3.5
9CBD-I	22405	A	11630	D13	**3.40**	50	5	3.5
9CBD-W	22410	A	11630	D13	**3.40**	50	5	3.5
9CBN-GRY	22450	A	11630	D13	**3.40**	50	5	3.5
9CBN-I	22455	A	11630	D13	**3.40**	50	5	3.5
9CBN-W	22460	A	11630	D13	**3.40**	50	5	3.5
9CCE-BLK	22500	A	11630	D13	**3.40**	50	5	3.5
9CCE-GRY	22505	A	11630	D13	**3.40**	50	5	3.5
9CCE-I	22510	A	11630	D13	**3.40**	50	5	3.5
9CCE-W	22515	A	11630	D13	**3.40**	50	5	3.5
9CCT-GRY	22580	A	11630	D13	**3.40**	50	5	3.5
9CCT-I	22585	A	11630	D13	**3.40**	50	5	3.5
9CCT-W	22590	A	11630	D13	**3.40**	50	5	3.5
9CDPX-BLK	22650	A	11630	D13	**1.80**	50	5	3.5
9CDPX-I	22655	A	11630	D13	**1.95**	50	5	3.5
9CDPX-W	22660	A	11630	D13	**1.95**	50	5	3.5
9CJ6-BLK	22670	A	11630	D14	**2.70**	100	20	4.5
9CJ6-I	22675	A	11630	D14	**2.90**	100	20	4.5
9CJ83A-BLK	22685	A	11630	D14	**3.00**	100	20	4.5
9CJ83A-I	22690	A	11630	D14	**3.00**	100	20	4.5
9CJ83A-W	22692	A	11630	D14	**3.00**	100	20	4.5
9CJ83I-BLK	22695	A	11630	D14	**3.00**	100	20	4.5
9CJ83I-I	22698	A	11630	D14	**3.00**	100	20	4.5
9CJ83I-W	22700	A	11630	D14	**3.00**	100	20	4.5
9CJ85A-BLK	22703	A	11630	D14	**4.85**	100	20	4.5
9CJ85A-I	22705	A	11630	D14	**5.00**	100	20	4.5
9CJ85AK-BLK	22710	A	11630	D14	**5.00**	100	20	4.5
9CJ85A-W	22708	A	11630	D14	**5.00**	100	20	4.5
9CJ85I-BLK	22715	A	11630	D14	**5.00**	100	20	4.5
9CJ85I-I	22718	A	11630	D14	**5.00**	100	20	4.5
9CJ85IK-BLK	22725	A	11630	D14	**5.00**	100	20	4.5
9CJ85I-W	22720	A	11630	D14	**5.00**	100	20	4.5
9CKB-GRY	22730	A	11630	D13	**3.40**	50	5	3.5
9CKB-I	22732	A	11630	D13	**3.40**	50	5	3.5
9CKB-W	22735	A	11630	D13	**3.40**	50	5	3.5
9CO-BLK	22760	A	11630	D13	**3.40**	50	5	3.5
9CO-GRY	22762	A	11630	D13	**3.40**	50	5	3.5
9CO-I	22765	A	11630	D13	**3.40**	50	5	3.5
9CO-W	22768	A	11630	D13	**3.40**	50	5	3.5
9CTN2-BLK	22810	A	11630	D13	**3.40**	50	5	3.5
9CTN2-GRY	22812	A	11630	D13	**3.40**	50	5	3.5
9CTN2-I	22815	A	11630	D13	**3.40**	50	5	3.5
9CTN2-W	22818	A	11630	D13	**3.40**	50	5	3.5
9CTNBD-BLK	22820	A	11630	D13	**3.40**	50	5	3.5
9CTNBD-GRY	22823	A	11630	D13	**3.40**	50	5	3.5
9CTNBD-I	22825	A	11630	D13	**3.40**	50	5	3.5
9CTNBD-W	22828	A	11630	D13	**3.40**	50	5	3.5
9CTN-BLK	22800	A	11630	D13	**3.40**	50	5	3.5
9CTN-GRY	22803	A	11630	D13	**3.40**	50	5	3.5
9CTN-I	22805	A	11630	D13	**3.40**	50	5	3.5
9CTN-W	22808	A	11630	D13	**3.40**	50	5	3.5
9CWNTN-BLK	22850	A	11630	D13	**3.40**	50	5	3.5
9CWNTN-GRY	22852	A	11630	D13	**3.40**	50	5	3.5
9CWNTN-I	22855	A	11630	D13	**3.40**	50	5	3.5
9CWNTN-W	22858	A	11630	D13	**3.40**	50	5	3.5
9CX25F	22870	A	11630	D15	**1.55**	100	20	4.0
9CX25HW	22873	A	11630	D15	**1.25**	100	20	4.0
9CX25M	22875	A	11630	D15	**1.25**	100	20	4.0
9CX4PIBM	22880	A	11630	D15	**7.65**	100	20	4.0
9CXBNCFF	22885	A	11630	D15	**2.70**	100	20	4.0

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-	9CXF81FF	22890	A	11630	D15	1.80	100	20	4.0
-	9CXFOSTF	22895	A	11630	D15	2.70	100	20	4.0
-@	9DFC3003A	23180	A	11715	E16	11.00	90	1	29.6
-@	9DR100-IDP	23080	A	11710	E13	24.15	20	1	14.4
-@	9DR100-WDP	23085	A	11710	E13	24.15	20	1	14.5
-@	9DR1500-IDP	23110	A	11710	E13	45.55	20	1	19.7
-@	9DR1500-WDP	23120	A	11710	E13	45.55	20	1	20.1
-@	9DR2000	23145	A	11710	E13	56.20	20	1	21.1
-@	9DR3600	23010	A	11710	E13	5.85	100	1	26.6
-@	9DR600-ECY	23000	A	11710	E13	4.35	100	1	20.8
-@	9DR600-PSH	23005	A	11710	E13	5.75	100	1	24.7
-@	9DS100-PSI	23090	A	11710	E12	41.30	20	1	14.3
-@	9DS100-PSW	23095	A	11710	E12	41.30	20	1	14.6
-@	9DS1500-I	23125	A	11710	E12	56.10	20	1	19.8
-@	9DS1500-W	23130	A	11710	E12	56.10	20	1	19.9
-@	9DS3100-PSI	23100	A	11710	E12	44.15	20	1	14.8
-@	9DS3100-PSW	23105	A	11710	E12	44.15	20	1	15.1
-@	9DS31500-I	23135	A	11710	E12	57.95	20	1	20.8
-@	9DS31500-W	23140	A	11710	E12	57.95	20	1	20.6
-@	9DS3600-PSI	23050	A	11710	E12	12.80	90	1	24.6
-@	9DS3600-PSW	23055	A	11710	E12	12.80	90	1	23.3
-@	9DS600-PSI	23030	A	11710	E12	10.70	90	1	24.6
-@	9DS600-PSW	23035	A	11710	E12	10.70	90	1	25.0
-@	9DSL600-PSI	23040	A	11710	E12	14.20	90	1	25.5
-@	9DSL600-PSW	23045	A	11710	E12	14.20	90	1	25.6
-@	9DT600-I	23015	A	11710	E14	12.85	90	1	26.4
-@	9DT600-W	23020	A	11710	E14	12.85	90	1	26.6
-@	9DTG3600-I	23070	A	11710	E14	6.70	90	1	23.3
-@	9DTG600-I	23060	A	11710	E14	5.90	90	1	22.2
-@	9DTGL3600	23075	A	11710	E14	8.20	90	1	23.3
-@	9DTGL600	23065	A	11710	E14	8.20	90	1	22.3
-@	9DTL600-I	23025	A	11710	E14	12.50	90	1	26.6
-@	9FCR4S	23170	A	11715	E16	11.65	90	1	20.8
-@	9FCR5A	23165	A	11715	E16	8.90	90	1	22.6
-@	9FCR8A	23175	A	11715	E16	9.45	20	1	14.1
	9TF-I	23700	A	11650	D15	1.30	50	10	5.3
	9TFSF-I	23710	A	11650	D15	1.95	50	10	7.9
	9TFSF-W	23712	A	11650	D15	1.95	50	10	7.9
	9TFSJ44-I	23725	A	11650	D15	2.35	50	10	7.6
	9TFSJ44-W	23730	A	11650	D15	2.35	50	10	7.3
	9TFSJ4F-I	23735	A	11650	D15	2.05	50	10	7.1
	9TFSJ4F-W	23740	A	11650	D15	2.05	50	10	7.1
	9TFSJ4-I	23715	A	11650	D15	2.05	50	10	8.8
	9TFSJ4-W	23718	A	11650	D15	2.05	50	10	8.8
	9TF-W	23705	A	11650	D15	1.30	50	10	5.2
	9TJ44-I	23810	A	11650	D15	2.05	50	10	7.6
	9TJ44-W	23815	A	11650	D15	2.05	50	10	7.5
	9TJ4F-I	23820	A	11650	D15	1.95	50	10	6.7
	9TJ4F-W	23825	A	11650	D15	1.95	50	10	6.7
	9TJ4-I	23800	A	11650	D15	1.65	50	10	5.8
	9TJ4SB-I	23835	A	11650	D15	1.35	50	10	5.4
	9TJ4S-I	23830	A	11650	D15	2.95	50	10	7.7
	9TJ4-W	23802	A	11650	D15	1.65	50	10	5.9
@	ADAP-B	33689	A	11230	B14	3.05	10	1	1.6
@	ADAP-BLK	33696	A	11230	B14	3.05	10	1	1.6
@	ADAP-BLU	33695	A	11230	B14	3.05	10	1	1.6
@	ADAP-GRY	33692	A	11230	B14	3.05	10	1	1.6
@	ADAP-I	33690	A	11230	B14	3.05	10	1	1.6
@	ADAP-IS	33698	A	11230	B14	3.05	10	1	1.6
@	ADAP-O	33693	A	11230	B14	3.05	10	1	1.6
@	ADAP-R	33694	A	11230	B14	3.05	10	1	1.6
@	ADAP-W	33691	A	11230	B14	3.05	10	1	1.6
	AP100	25249	B	11260	I12	6.55	10	1	1.6
	AP2030	25247	A	11260	I12	5.45	10	1	1.0
	AP60	25248	A	11260	I12	6.05	10	1	1.3
	AR15	15530	A	11767		15.40	10	1	2.5
	B1254-GY	18057	A	11230	B14	12.90	6	1	4.0
	B1254-I	18051	A	11230	B14	12.90	6	1	4.0
	B1254SIA	18050	A	11230	B14	30.50	6	1	4.0
	B1254-W	18053	A	11230	B14	12.90	6	1	4.0
	BB1001W	25242	B	11260	I12	63.80	10	1	19.5
	BB1002W	25243	B	11260	I12	63.80	10	1	37.3
	BB201W	25238	A	11260	I12	22.65	10	1	14.1
	BB301W	25239	A	11260	I12	22.65	10	1	15.0
	BB601W	25240	A	11260	I12	31.30	10	1	25.6
	BB602W	25241	A	11260	I12	31.30	10	1	24.9
	BDS100L	24026	A	11860	N9	11.30	10		2.0
	BDS100U	24012	A	11860	N9	9.45	10		2.0
	BDS24L	24014	B	11860	N9	6.45	10		.5
	BDS24U	24000	A	11860	N9	5.25	20		1.2
	BDS32L	24016	A	11860	N9	7.15	20		1.4
	BDS32U	24002	A	11860	N9	5.55	10		.3
	BDS43L	24018	A	11860	N9	8.80	20		2.2
	BDS43U	24004	A	11860	N9	6.45	20		2.0
	BDS56L	24020	A	11860	N9	9.45	20		2.0
	BDS56U	24006	A	11860	N9	7.25	20		2.0
	BDS73L	24022	A	11860	N9	10.60	10		1.5
	BDS73U	24008	A	11860	N9	8.80	10		1.1
	BDS85L	24024	A	11860	N9	11.30	10		1.8
	BDS85U	24010	A	11860	N9	9.00	10		1.4
	BDSR125	24040	A	11860	N6	21.45	20		8.0
	BDSR150	24042	A	11860	N6	26.65	15		9.0
	BDSR170	24044	A	11860	N6	40.45	15		21.0
	BDSR200	24046	A	11860	N6	44.70	10		14.0
	BDSR24	24028	A	11860	N6	6.65	10		1.0
	BDSR32	24030	A	11860	N6	7.20	20		2.0
	BDSR43	24032	A	11860	N6	7.65	20		2.0
	BDSR54	24034	A	11860	N6	8.50	20		2.0
	BDSR73	24036	A	11860	N6	9.20	10		2.0
	BDSR97	24038	A	11860	N6	11.35	10		3.0
-@	BLD	18610	B	11130	G51	10.90	10	1	5.2
-@	BLD2	18620	B	11130	G51	16.95	5	1	7.9
-@	BLDMP	18600	B	11130	G51	7.30	10	1	2.6
-@	BSLD	18660	B	11130	A13	5.40	10	1	1.0
	CBR15-B	19200	A	11520	B11	2.20	100	10	20.8
	CBR15-BCAN	19225	A	11520	B11	2.25	100	10	20.8
	CBR15-BGRY	19205	A	11520	B11	2.20	100	10	20.8
	CBR15-BGRYC	19230	A	11520	B11	2.25	100	10	20.8
	CBR15-BI	19210	A	11520	B11	2.20	100	10	20.8
	CBR15-BICAN	19235	A	11520	B11	2.25	100	10	20.8
	CBR15-BLK	19220	A	11520	B11	2.20	100	10	20.8
	CBR15-BW	19215	A	11520	B11	2.20	100	10	20.8
	CBR15-BWCAN	19240	A	11520	B11	2.25	100	10	20.8
	CBR20-B	19245	A	11520	B11	2.85	100	10	20.8
	CBR20-BGRY	19250	A	11520	B11	2.85	100	10	20.8
	CBR20-BI	19255	A	11520	B11	2.85	100	10	20.8
	CBR20-BLK	19265	A	11520	B11	2.85	100	10	20.8
	CBR20-BW	19260	A	11520	B11	2.85	100	10	20.8
	CC050R1	24820	C	11865	N20	18.25	5		.9
	CC050R114	24822	B	11865	N20	20.10	2		.4
	CC050R2	24824	C	11865	N20	22.10	2		.3
	CC050R34	24818	B	11865	N20	17.85	2		.2
	CC062R1	24830	C	11865	N20	24.20	2		.2
	CC062R112	24834	C	11865	N20	27.30	2		.2
	CC062R114	24832	C	11865	N20	26.85	2		.2
	CC062R2	24836	C	11865	N20	27.95	2		.3
	CC075R112	24848	C	11865	N20	25.65	2		.2
	CC075R114	24846	B	11865	N20	27.95	2		.2
	CC075R2	24850	C	11865	N20	26.85	2		.3
	CC075R3	24854	C	11865	N20	31.90	2		.4

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	CC075R4	24858	C	11865	N20	35.95	2		.6
	CC100R112	24866	C	11865	N20	26.30	2		.3
	CC100R2	24868	A	11865	N20	26.95	1		.3
	CC100R3	24872	C	11865	N20	31.90	2		.5
	CC100R4	24876	C	11865	N20	35.95	2		.7
	CC125R2	24884	B	11865	N20	26.30	1		.3
	CC125R3	24888	C	11865	N20	30.10	2		.6
	CC125R312	24890	C	11865	N20	31.90	2		.7
	CC125R4	24892	C	11865	N20	35.95	2		.7
	CC150R212	24900	C	11865	N20	31.90	2		.4
	CC150R3	24902	B	11865	N20	32.50	1		.5
	CC175R212	24914	C	11865	N20	38.35	5		2.5
	CC175R3	24916	B	11865	N20	39.20	5		3.1
	CC175R4	24920	B	11865	N20	44.45	5		4.0
	CC200R3	24928	B	11865	N20	41.75	1		.8
	CC200R312	24930	C	11865	N20	43.20	5		4.0
	CC200R4	24932	B	11865	N20	45.80	1		.9
	CC250R312	24940	C	11865	N20	43.20	5		4.5
	CC250R4	24942	B	11865	N20	45.80	5		5.0
	CC250R412	24944	C	11865	N20	47.60	5		5.5
	CC250R5	24946	C	11865	N20	49.95	2		2.7
	CC300R4	24950	B	11865	N20	61.65	2		2.6
	CC300R412	24952	C	11865	N20	65.35	2		2.8
	CC300R5	24954	C	11865	N20	69.10	2		3.2
	CC300R6	24956	C	11865	N20	76.65	2		3.4
	CC320	25232	A	11260	I13	14.20	10	1	3.8
	CC330	25233	A	11260	I13	16.40	10	1	3.8
	CC350R412	24958	C	11865	N20	63.05	2		3.4
	CC350R5	24960	B	11865	N20	66.75	2		3.4
	CC350R6	24962	C	11865	N20	73.60	2		3.8
	CC420	25234	A	11260	I13	15.30	10	1	4.5
	CC510	25237	A	11260	I13	21.95	10	1	6.9
	CC530	25235	A	11260	I13	17.45	10	1	8.0
	CC560	25236	A	11260	I13	19.75	10	1	8.5
	CM120	15526	A	11767		18.40	10	1	5.0
	CM277	15528	A	11767		18.40	10	1	5.0
@	CR15-B	73250	A	11520	B11	1.25	100	10	21.0
	CR15-BCAN	10060	A	11520	B11	1.35	100	10	21.0
@	CR15-BGRY	73252	A	11520	B11	1.25	100	10	21.0
	CR15-BGYCAN	73412	A	11520	B11	1.35	100	10	21.0
@	CR15-BI	73255	A	11520	B11	1.25	100	10	21.0
	CR15-BICAN	73414	A	11520	B11	1.35	100	10	21.0
@	CR15-BLK	73253	A	11520	B11	1.25	100	10	20.1
@	CR15-BW	73257	A	11520	B11	1.25	100	10	21.0
	CR15-BWCAN	73416	A	11520	B11	1.35	100	10	21.0
	CR15-IG	73464	A	11621		6.50	100	10	0.28
	CR15-IGRY	73466	C	11621		6.50	100	10	0.28
	CR15-IGW	73468	C	11621		6.50	100	10	0.28
	CR15-IGI	73470	A	11621		6.50	100	10	0.28
-@	CR-20	40657	A	11767	E5	34.40	10	1	3.2
@	CR20-B	73260	A	11520	B11	1.85	100	10	21.0
@	CR20-BGRY	73267	A	11520	B11	1.85	100	10	21.0
@	CR20-BI	73265	A	11520	B11	1.85	100	10	21.0
@	CR20-BLK	73261	A	11520	B11	1.85	100	10	21.0
@	CR20-BW	73262	A	11520	B11	1.85	100	10	21.0
	CR20-IG	73472	A	11621		7.75	100	10	0.28
	CR20-IGRY	73474	C	11621		7.75	100	10	0.28
	CR20-IGW	73476	C	11621		7.75	100	10	0.28
	CR20-IGI	73478	A	11621		7.75	100	10	0.28
@	CS115-B	73270	A	11530	A11	1.60	100	10	14.0
	CS115-BC	96519	A	11530	A11	1.70	100	10	14.0
@	CS115-BGRY	73287	A	11530	A11	1.60	100	10	14.0
	CS115-BGRYC	73286	A	11530	A11	1.70	100	10	14.0
@	CS115-BI	73280	A	11530	A11	1.60	100	10	19.5
	CS115-BIC	73400	A	11530	A11	1.70	100	10	19.5
@	CS115-BLK	73272	A	11530	A11	1.60	100	10	14.0
@	CS115-BW	73282	A	11530	A11	1.60	100	10	14.0
	CS115-BWC	73281	A	11530	A11	1.70	100	10	14.0
@	CS120-B	73310	A	11530	A11	2.55	100	10	14.0
	CS120-BC	96521	A	11530	A11	2.60	100	10	14.0
@	CS120-BGRY	73327	A	11530	A11	2.55	100	10	14.0
	CS120-BGRYC	73326	A	11530	A11	2.60	100	10	14.0
@	CS120-BI	73320	A	11530	A11	2.55	100	10	14.0
	CS120-BIC	73402	A	11530	A11	2.60	100	10	14.0
@	CS120-BLK	73312	A	11530	A11	2.55	100	10	14.0
@	CS120-BW	73322	A	11530	A11	2.55	100	10	14.0
	CS120-BWC	73404	A	11530	A11	2.60	100	10	14.0
@	CS315-B	73290	A	11530	A11	2.90	50	10	9.3
	CS315-BC	96524	A	11530	A11	2.90	50	10	9.3
@	CS315-BGRY	73307	A	11530	A11	2.90	50	10	9.3
@	CS315-BI	73300	A	11530	A11	2.90	50	10	9.3
	CS315-BIC	73406	A	11530	A11	2.90	50	10	9.3
@	CS315-BLK	73292	A	11530	A11	2.90	50	10	9.3
@	CS315-BW	73334	A	11530	A11	2.90	50	10	9.3
	CS315-BWC	73408	A	11530	A11	2.90	50	10	9.3
@	CS320-B	73330	A	11530	A11	3.70	50	10	9.3
@	CS320-BGRY	73337	A	11530	A11	3.70	50	10	9.3
@	CS320-BI	73340	A	11530	A11	3.70	50	10	9.3
@	CS320-BLK	73329	A	11530	A11	3.70	50	10	9.3
@	CS320-BW	73332	A	11530	A11	3.70	50	10	9.3
	CS6360	63910	A	11113	G18	52.50	10	1	10.8
	CS6360-N	63812	A	11115	G19	50.50	5	1	3.0
	CS6361	53813	A	11113	G18	41.50	10	1	11.2
	CS6361-N	63813	A	11115	G19	39.50	5	1	3.0
	CS6364	61177	A	11113	G34	56.50	10	1	14.0
	CS6364-N	73063	A	11115	G35	53.95	5	1	3.0
	CS6365	61179	A	11113	G34	43.95	10	1	11.8
	CS6365-N	73064	A	11115	G35	41.95	5	1	3.0
	CS6369	61181	A	11113	G34	43.95	10	1	7.8
	CS6369-N	61140	A	11115	G35	41.95	5	1	3.0
	CS6370	63920	A	11113	G18	40.95	10	1	8.4
	CS6370-N	61141	A	11115	G19	38.50	5	1	3.0
	CS6375	53810	C	11113	G34	43.75	10	1	9.2
	CS6375-N	63810	C	11115	G35	41.75	5	1	3.0
	CS6377	53814	C	11113	G18	42.90	10	1	9.0
	CS6377-N	63814	C	11115	G19	39.50	10	1	7.0
	CS8164	83110	A	11113	G34	56.30	10	1	11.2
	CS8164-N	73110	A	11115	G35	53.95	5	1	3.0
	CS8165	83111	A	11113	G34	43.95	10	1	13.0
	CS8165-N	73111	A	11115	G35	41.95	5	1	3.0
	CS8169	73116	A	11113	G34	44.30	10		10.8
	CS8169-N	61142	A	11115	G35	42.30	5	1	3.0
	CS8175	53811	C	11113	G34	43.20	10	1	8.6
	CS8175-N	63811	C	11115	G35	41.20	10	1	7.0
	CS8264	83112	A	11113	G18	52.50	10	1	11.1
	CS8264-N	73112	A	11115	G19	50.50	5	1	3.0
	CS8265	83114	A	11113	G18	43.00	10	1	12.8
	CS8265-N	73113	A	11115	G19	41.00	5	1	3.0
	CS8269	73117	A	11113	G18	41.00	20	2	8.8
	CS8269-N	73098	A	11115	G19	39.00	5	1	3.0
	CS8275	53815	C	11113	G18	42.90	10	1	9.6
	CS8275-N	63815	C	11115	G19	39.40	5	1	2.9
	CS8364	53816	A	11113	G34	56.50	10	1	11.6
	CS8364-N	63816	A	11115	G35	53.95	5	1	3.0
	CS8365	53817	A	11113	G34	44.30	10	1	13.2
	CS8365-N	63817	A	11115	G35	41.90	5	1	3.0
	CS8369	53854	A	11113	G34	44.20	10	1	7.6
	CS8369-N	63854	A	11115	G35	42.20	5	1	3.0
	CS8375	53818	C	11113	G34	44.90	10	1	9.0
	CS8375-N	63818	C	11115	G35	41.80	5	1	2.5

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CS8464	53819	A	11113	G18	53.00	10	1	11.5
CS8464-N	63819	A	11115	G19	50.90	5	1	3.0
CS8465	53820	A	11113	G18	41.90	10	1	12.2
CS8465-N	63820	A	11115	G19	39.95	5	1	3.0
CS8469	63855	A	11113	G18	41.40	10	1	8.0
CS8469-N	61145	A	11115	G19	38.90	5	1	
CS8475	53821	C	11113	G18	45.90	10	1	9.0
CS8475-N	63821	C	11115	G19	42.90	10	1	7.0
CSB115-B	73600	A	11530	A10	2.40	100	10	20.0
CSB115-BC	73605	A	11530	A10	2.45			
CSB115-BGRY	73610	A	11530	A10	2.40	100	10	20.0
CSB115-BGYC	73615	A	11530	A10	2.45			
CSB115-BI	73620	A	11530	A10	2.40	100	10	20.0
CSB115-BIC	73625	A	11530	A10	2.45			
CSB115-BW	73630	A	11530	A10	2.40	100	10	20.0
CSB115-BWC	73635	A	11530	A10	2.45			
CSB120-B	73640	A	11530	A10	3.15	100	10	20.0
CSB120-BC	73645	A	11530	A10	3.20			
CSB120-BGRY	73650	A	11530	A10	3.15	100	10	20.0
CSB120-BGYC	73655	A	11530	A10	3.20			
CSB120-BI	73660	A	11530	A10	3.15	100	10	20.0
CSB120-BIC	73665	A	11530	A10	3.20			
CSB120-BW	73670	A	11530	A10	3.15	100	10	20.0
CSB120-BWC	73675	A	11530	A10	3.20			
CSB220-B	73680	A	11530	A10	7.95	100	10	24.0
CSB220-BC	73685	A	11530	A10	8.05			
CSB220-BGRY	73690	A	11530	A10	7.95	100	10	24.0
CSB220-BGYC	73695	A	11530	A10	8.05			
CSB220-BI	73700	A	11530	A10	7.95	100	10	24.0
CSB220-BIC	73705	A	11530	A10	8.05			
CSB220-BW	73710	A	11530	A10	7.95	100	10	24.0
CSB220-BWC	73715	A	11530	A10	8.05			
CSB315-B	73720	A	11530	A10	3.25	100	10	24.0
CSB315-BGRY	73730	A	11530	A10	3.25	100	10	24.0
CSB315-BI	73740	A	11530	A10	3.25	100	10	24.0
CSB315-BW	73750	A	11530	A10	3.25	100	10	24.0
CSB320-B	73760	A	11530	A10	3.90	100	10	24.0
CSB320-BC	73765	A	11530	A10	4.00			
CSB320-BGRY	73770	A	11530	A10	3.90	100	10	24.0
CSB320-BGYC	73775	A	11530	A10	4.00			
CSB320-BI	73780	A	11530	A10	3.90	100	10	24.0
CSB320-BIC	73785	A	11530	A10	4.00			
CSB320-BW	73790	A	11530	A10	3.90	100	10	24.0
CSB320-BWC	73795	A	11530	A10	4.00			
CSB420-B	73800	A	11530	A10	14.55	100	10	24.0
CSB420-BC	73805	A	11530	A10	14.85			
CSB420-BGRY	73810	A	11530	A10	14.55	100	10	24.0
CSB420-BGYC	73815	A	11530	A10	14.85			
CSB420-BI	73820	A	11530	A10	14.55	100	10	24.0
CSB420-BIC	73825	A	11530	A10	14.85			
CSB420-BW	73830	A	11530	A10	14.55	100	10	24.0
CSB420-BWC	73835	A	11530	A10	14.85			
CSD075L112	27034	C	11865	N21	41.15	2		.4
CSD075L114	27032	C	11865	N21	40.80	2		.4
CSD075L2	27036	C	11865	N21	42.55	2		.5
CSD100L112	27052	B	11865	N21	49.45	2		1.0
CSD100L2	27054	C	11865	N21	48.75	2		1.2
CSD125L2	27070	C	11865	N21	49.70	2		1.5
CSD125L212	27072	C	11865	N21	50.05	2		1.6
CSD125L3	27074	C	11865	N21	51.00	2		1.8
CSD150L212	27086	C	11865	N21	50.90	2		1.9
CSD150L3	27088	C	11865	N21	52.20	2		2.2
CSD150L4	27092	C	11865	N21	55.55	2		2.6
CSD175L212	27100	C	11865	N21	63.20	2		2.4
CSD175L3	27102	C	11865	N21	64.30	2		2.4
CSD175L4	27106	C	11865	N21	69.55	2		3.2
CSD200L3	27114	C	11865	N21	70.80	2		2.8
CSD200L312	27116	C	11865	N21	72.35	2		3.2
CSD200L4	27118	C	11865	N21	74.85	2		3.4
CSD250L312	27126	C	11865	N21	72.10	2		3.4
CSD250L4	27128	C	11865	N21	75.70	2		3.8
CSD250L5	27132	C	11865	N21	79.95	2		4.4
CSD250L6	27134	C	11865	N21	87.10	2		5.0
CSD300L4	27136	C	11865	N21	110.65	2		4.2
CSD300L5	27140	C	11865	N21	118.60	2		5.0
CSD300L6	27142	C	11865	N21	127.15	2		5.2
CSD350L5	27146	C	11865	N21	118.80	2		5.6
CSD350L6	27148	C	11865	N21	127.30	2		6.0
CSR075R112	24966	C	11865	N22	35.95	2		.5
CSR075R114	24964	B	11865	N22	35.85	2		.5
CSR100R112	24984	C	11865	N22	37.00	2		.8
CSR100R2	24986	C	11865	N22	37.95	2		.8
CSR100R212	24988	C	11865	N22	39.65	2		1.0
CSR125R2	27002	B	11865	N22	36.45	2		1.0
CSR125R212	27004	C	11865	N22	38.70	2		1.0
CSR125R3	27006	C	11865	N22	39.65	2		1.6
CSR125R312	27008	C	11865		42.80	2		1.4
CSR150R212	27018	C	11865	N22	42.90	2		1.2
CSR150R3	27020	C	11865	N22	44.45	2		1.4
CSR175R3	25410	C	11865	N22	54.75	2		2.0
CSR200R3	25460	C	11865	N22	54.75	2		1.8
CSR200R312	25465	C	11865	N22	56.15	2		1.8
CSR200R4	25470	C	11865	N22	58.90	2		2.2
CSR250R312	25490	C	11865	N22	56.15	2		2.2
CSR250R4	25495	C	11865	N22	59.95	2		2.2
DC100112	24316	A	11860	N7	53.40	2		1.2
DC100114	24308	A	11860	N7	45.45	2		1.0
DC1004112	24280	B	11860	N7	54.75	1		.8
DC1004114	24372	B	11860	N7	54.75	2		1.2
DC1009112	24234	B	11860	N7	65.05	2		1.8
DC1009114	24226	A	11860	N7	54.75	2		1.6
DC112112	24318	A	11860	N7	53.40	2		1.0
DC112114	24310	A	11860	N7	45.45	2		1.0
DC1124112	24282	B	11860	N7	65.05	1		.8
DC1124114	24276	B	11860	N7	54.75	2		1.2
DC1129112	24236	B	11860	N7	65.05	2		1.6
DC1129114	24228	B	11860	N7	54.75	2		1.6
DC125112	24320	A	11860	N7	53.45	2		1.0
DC125114	24312	A	11860	N7	45.45	2		1.0
DC1254112	24284	B	11860	N7	65.05	1		.9
DC1254114	24278	B	11860	N7	54.75	2		1.4
DC1259112	24238	B	11860	N7	65.05	2		1.8
DC1259114	24230	B	11860	N7	54.75	2		1.6
DC131112	24285	A	11860	N7	67.90	1		1.1
DC1312	24322	B	11860	N7	70.90	2		2.2
DC143112	24287	A	11860	N7	67.90	1		1.1
DC1432	24324	A	11860	N7	70.85	2		2.2
DC156112	24289	A	11860	N7	67.90	1		1.1
DC1562	24326	A	11860	N7	70.85	2		2.2
DC168112	24291	A	11860	N7	67.90	1		1.1
DC1682	24328	A	11860	N7	70.85	2		2.2
DC168212	24293	A	11860	N7	107.45	1		1.6
DC1752	24255	A	11860	N7	70.90	1		1.2
DC181X2	25270	A	11860	N7	91.80	1		1.4
DC1812	24256	A	11860	N7	20.65	5		.5
DC181212	24295	A	11860	N7	107.45	1		1.5
DC1834	24264	A	11860	N7	23.20	5		.5
DC18912	24202	A	11860	N7	29.55	5		.5
DC1932	24257	A	11860	N7	94.45	1		1.4
DC193212	24297	A	11860	N7	107.45	1		1.5

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CATALOG NUMBER	NAED UPC Code 1799-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
DC1933	24305	A	11860	N7	137.35	1		1.5
DC2062	24215	A	11860	N7	94.45	1		1.4
DC206212	24299	A	11860	N7	107.45	1		1.6
DC2063	24307	A	11860		137.35	1		1.6
DC218212	24301	A	11860		107.45	1		1.5
DC2183	24309	A	11860	N7	137.35	1		1.6
DC231212	24303	A	11860		107.45	1		1.5
DC2313	24311	A	11860	N7	137.35	1		1.6
DC2433	24313	A	11860	N7	175.30	1		.7
DC2512	24258	A	11860	N7	21.25	5		.5
DC2534	24266	A	11860	N7	23.20	5		.5
DC2538	24250	A	11860	N7	20.65	5		.1
DC25412	24240	B	11860	N7	29.55	5		.5
DC25912	24204	A	11860	N7	29.55	5		.5
DC25938	24360	B	11860	N7	28.25	5		.5
DC25F12	24338	B	11860	N7	21.75	5		.5
DC25F34	24344	B	11860	N7	21.75	5		.5
DC2623	24315	A	11860	N7	175.30	1		.7
DC2813	24317	A	11860	N7	195.60	1		.7
DC3138	24252	A	11860	N7	20.65	5		.5
DC31938	24362	B	11860	N7	28.25	5		.5
DC3712	24260	A	11860	N7	20.00	5		.5
DC3734	24268	A	11860	N7	23.20	5		.5
DC3738	24254	A	11860	N7	20.65	5		.5
DC37412	24242	B	11860	N7	31.25	5		1.0
DC37912	24206	A	11860	N7	29.75	5		.5
DC37934	24210	A	11860	N7	38.25	5		.5
DC37938	24200	B	11860	N7	28.25	5		.5
DC37F12	24340	B	11860	N7	22.55	5		3.2
DC37F34	24346	B	11860	N7	22.05	5		.5
DC501	24274	A	11860	N7	31.25	5		1.0
DC5012	24262	A	11860	N7	20.00	5		.5
DC5034	24270	A	11860	N7	21.80	5		.5
DC5041	25215	A	11860	N7	40.45	5		.6
DC50412	24364	B	11860	N7	29.55	5		.5
DC50434	25205	A	11860	N7	38.40	5		.5
DC5091	24216	A	11860	N7	40.60	5		1.0
DC50912	24208	A	11860	N7	29.55	5		.5
DC50934	24212	A	11860	N7	38.25	5		.5
DC50F12	24342	B	11860	N7	24.70	5		.5
DC50F34	24348	B	11860	N7	24.75	5		.5
DC621	24300	A	11860	N7	31.25	5		1.0
DC6212	24271	A	11860	N7	21.20	2		.2
DC6234	24272	A	11860	N7	24.55	5		1.0
DC6241	25220	B	11860	N7	40.45	5		3.6
DC62434	25210	A	11860	N7	38.40	5		1.0
DC6291	24218	A	11860	N7	40.60	5		1.0
DC62934	24214	A	11860	N7	38.25	5		1.0
DC62F34	24350	B	11860	N7	42.20	5		1.0
DC751	24302	A	11860	N7	29.45	5		1.0
DC7534	24275	A	11860	N7	25.10	2		.3
DC7541	24366	B	11860	N7	39.25	5		.6
DC7591	24220	A	11860	N7	39.40	5		1.0
DC871	24304	A	11860	N7	29.45	5		1.0
DC87112	24314	A	11860	N7	53.40	5		3.0
DC87114	24306	A	11860	N7	45.45	5		2.5
DC8741	24368	B	11860	N7	40.45	5		3.0
DC8791	24222	A	11860	N7	40.60	5		1.0
DC879114	24224	B	11860	N7	54.75	5		4.0
DM20301	06000	A	11260	I13	21.00	10	1	
DM602	06005	A	11260	I13	29.25	10	1	
FC100	24106	A	11860	N8	20.95	5		2.0
FC10045	24146	A	11860	N8	28.30	5		3.5
FC10090	24126	A	11860	N8	28.30	5		4.5
FC125	24108	A	11860	N8	24.95	2		1.4
FC12545	24148	A	11860	N8	36.30	2		2.0
FC12590	24128	A	11860	N8	36.30	2		2.4
FC150	24110	A	11860	N8	37.45	2		2.8
FC15045	24150	A	11860	N8	49.90	2		4.0
FC15090	24130	A	11860	N8	49.80	2		4.0
FC200	24112	A	11860	N8	58.65	2		4.2
FC20045	24152	A	11860	N8	68.75	2		5.6
FC20090	24132	A	11860	N8	68.75	2		6.2
FC250	24114	A	11860	N8	159.00	2		7.2
FC25090	24134	B	11860	N8	209.25	2		17.9
FC300	24116	A	11860	N8	203.10	2		10.0
FC38	24100	A	11860	N8	13.15	10		2.0
FC3845	24140	A	11860	N8	14.75	10		2.0
FC3890	24120	A	11860	N8	14.75	10		3.0
FC400	24118	A	11860	N8	234.15	1		7.9
FC50	24102	A	11860	N8	13.60	10		2.1
FC5045	24142	A	11860	N8	15.75	5		1.5
FC5090	24122	A	11860	N8	15.75	5		1.5
FC75	24104	A	11860	N8	17.60	5		1.5
FC7545	24144	A	11860	N8	19.35	5		2.0
FC7590	24124	A	11860	N8	19.35	5		2.0
-@ FS20A	68978	C	11290	K5	4.00	200	10	5.0
-@ FS25A	68976	A	11290	K5	2.10	200	10	3.5
-@ FS2-A	68970	A	11290	K5	1.35	200	10	4.0
-@ FS40/400A	68980	A	11290	K5	4.00	200	10	5.0
-@ FS4-A	68972	A	11290	K5	1.35	200	10	4.0
-@ FS5-A	68794	A	11290	K5	2.20	200	10	5.0
-@ FS850	68982	B	11290	K5	5.50	100	10	3.0
-@ FS85-4	68984	C	11290		4.90	100	10	2.0
@ FSL1-FR	63822	B	11111	G15	16.20	30	10	11.0
@ FSL1-NC	63823	B	11111	G15	30.65	30	10	12.0
@ FSL1-NP	63824	B	11111	G15	14.85	30	10	11.0
@ FSL2-FR	63825	B	11111	G15	16.20	30	10	11.0
@ FSL2-NC	63826	B	11111	G15	30.65	30	10	12.0
@ FSL2-NP	63827	B	11111	G15	14.85	30	10	11.0
@ FSL3-FR	63828	B	11111	G29	25.00	30	10	11.0
@ FSL3-NC	63829	B	11111	G29	42.65	30	10	12.0
@ FSL3-NP	63830	B	11111	G29	19.90	30	10	11.0
@ FSL4-FR	63831	B	11111	G45	25.00	30	10	11.0
@ FSL4-NC	63832	B	11111	G45	42.65	30	10	12.0
@ FSL4-NP	63833	B	11111	G45	19.90	30	10	11.0
FT202W	25244	C	11260	I12	38.00	10	1	2.4
FT302W	25245	C	11260	I12	38.00	10	1	2.4
FTD03718	24160	C	11880	N30	19.15	2	1	.4
FTD05018	24162	C	11880	N30	22.10	2	1	.4
FTD05024	24164	C	11880	N30	28.15	2	1	.4
FTD06218	24166	C	11880	N30	24.50	2	1	.4
FTD06224	24168	C	11880	N30	30.25	2	1	.6
FTD06236	24170	C	11880	N30	35.90	2	1	1.0
FTD07524	24172	C	11880	N30	32.40	2	1	1.0
FTD07536	24174	C	11880	N30	38.50	2	1	1.4
FTD07548	24176	C	11880	N30	53.00	2	1	2.0
FTD07572	24178	C	11880	N30	78.30	2	1	2.8
FTD10024	24180	C	11880	N30	33.60	2	1	1.4
FTD10036	24182	C	11880	N30	41.05	2	1	2.0
FTD10048	24184	C	11880	N30	56.60	2	1	2.6
FTD10072	24186	C	11880	N30	83.60	2	1	4.0
FTD15048	24190	C	11880	N30	54.20	2	1	4.4
FTD15072	24192	C	11880	N30	79.20	2	1	6.6
FW60100	25246	C	11260	I12	96.60	10	1	7.0
GF53INT	36860	B	11570	F2	13.75	10	1	4.2
GF53INT-GRY	36861	B	11570	F2	13.75	10	1	4.2
GF53INT-I	36862	B	11570	F2	13.75	10	1	4.2
GF53INT-R	36863	B	11570	F2	13.75	10	1	4.2
GF53INT-W	36864	B	11570	F2	13.75	10	1	4.2

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	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
-@	GFCI-115	91601	A	11577	F3	34.35	10	1	10.5
-@	GFCI-2515	91610	A	11577	F3	49.80	5	1	16.9
-@	GFCI-615	91605	A	11577	F3	36.85	10	1	14.8
	GFCIX15	75484		12500		18.95		1	
-@	GFP-153R	70450	A	11577	F3	30.95	50		5.2
-@	GFP-15B	61425	A	11577	F3	23.45	10	1	3.5
-@	GFP-15BY	61426	A	11577	F3	23.45	10	1	3.4
	GFR52	34004	A	11570	F2	12.85	10	1	3.1
	GFR52-BK	34008	A	11570	F2	12.85	10	1	3.1
□	GFR52FT	61401	A	11570	F2	12.85	10	1	4.2
		SUPERCEDED BY GFR52							
□	GFR52FT-BLK	61404	A	11570	F2	12.85	10	1	4.2
		SUPERCEDED BY GFR52-BK							
□	GFR52FT-GRY	61406	A	11570	F2	12.85	10	1	4.2
		SUPERCEDED BY GFR52-GY							
□	GFR52FT-I	61402	A	11570	F2	12.85	10	1	4.2
		SUPERCEDED BY GFR52-I							
□	GFR52FT-R	61407	A	11570	F2	12.85	10	1	4.2
		SUPERCEDED BY GFR52-R							
□	GFR52FT-W	61408	A	11570	F2	12.85	10	1	4.2
		SUPERCEDED BY GFR52-W							
	GFR52-GY	34006	A	11570		12.85	10	1	3.1
	GFR52-I	34002	A	11570		12.85	10	1	3.1
	GFR52-R	61440	A	11570		12.85	10	1	3.1
	GFR52-W	34000	A	11570		12.85	10	1	3.1
	GFR53	34014	A	11570		13.35	10	1	3.1
	GFR53-BK	34018	A	11570		13.35	10	1	3.1
□	GFR53FT	61403	A	11570	F2	13.35	10	1	4.2
		SUPERCEDED BY GFR53							
□	GFR53FT-BLK	61413	A	11570	F2	13.35	10	1	
		SUPERCEDED BY GFR53-BK							
□	GFR53FT-GRY	61409	A	11570	F2	13.35	10	1	4.2
		SUPERCEDED BY GFR53-GY							
□	GFR53FT-I	61405	A	11570	F2	13.35	10	1	4.2
		SUPERCEDED BY GFR53-I							
□	GFR53FT-R	61410	A	11570	F2	13.35	10	1	4.2
		SUPERCEDED BY GFR53-R							
□	GFR53FT-W	61411	A	11570	F2	13.35	10	1	4.2
		SUPERCEDED BY GFR53-W							
	GFR53-GY	34016	A	11570		13.35	10	1	3.1
	GFR53-I	34012	A	11570		13.35	10	1	3.1
	GFR53-R	61442	A	11570		13.35	10	1	3.1
	GFR53-W	34010	A	11570		13.35	10	1	3.1
	GFR82FT	61431	A	11470	C11	57.45	10	1	4.2
	GFR82FT-GRY	61433	A	11470	C11	57.45	10	1	4.2
	GFR82FT-I	61435	A	11470	C11	57.45	10	1	4.2
	GFR82FT-R	61437	A	11470	C11	57.45	10	1	4.2
	GFR82FT-W	61439	A	11470	C11	57.45	10	1	4.2
	GFR83FT	61451	A	11470	C11	59.95	10	1	4.2
	GFR83FT-GRY	61453	A	11470	C11	59.95	10	1	4.2
	GFR83FT-I	61455	A	11470	C11	59.95	10	1	4.2
	GFR83FT-R	61457	A	11470	C11	59.95	10	1	4.2
	GFR83FT-W	61459	A	11470	C11	59.95	10	1	4.2
	HWS500	30086	A	11565		135.00	5	1	2.0
	HWS555	30087	A	11565		149.00	5	1	3.0
	HWS560	30088	A	11565		155.00	5	1	3.0
	HWS750	30089	A	11565		375.00	5	1	3.0
	HWS755	30090	A	11565		375.00	5	1	3.0
	IWT24H	27218	A	11754	E18	19.90	10	1	3.9
	MS1200ATGY	27242	A	11755		39.50	10	1	3.4
	MS1200ATI	27240	A	11755		39.50	10	1	3.4
	MS1200ATW	27241	A	11755		39.50	10	1	3.4
	MS1200I	27243	A	11755		34.00	10	1	3.4
	MS1200W	27244	A	11755		34.00	10	1	3.4
	MS900120I	27300	A	11755		34.75	10	1	5.0
	MS900120W	27310	A	11755		34.75	10	1	5.0
	MS900277I	27305	A	11755		34.75	10	1	5.0
	MS900277W	27315	A	11755		34.75	10	1	5.0
	MSCM1000-AC	16065	A	11757	E3	57.75	10	1	4.1
	MSCM1000-DCB	16062	A	11757		56.10		10	
	MSCM1000P1	15508	A	11757		66.55	10	1	.7
	MSCM1000P2	15510	A	11757		66.55	10	1	.7
	MSCM1500U1	15516	A	11757		70.65	10	1	1.0
	MSCM1500U2	15517	A	11757		70.65	10	1	
	MSCM2000P1	15518	A	11757		82.95	10	1	1.0
	MSCM800UP1	15512	A	11757		58.40	10	1	
	MSCM800UP2	15514	A	11757		58.40	10	1	
	MSCMAP	16090	A	11767	E5	1.60	50	10	2.9
	MSDT1500	15520	A	11755		79.80	10	1	
	MSDT2000	15522	A	11755		100.75	10	1	
	MSDT2000P1	15524	A	11755		118.55	10	1	
	MSDT2000P2	15525	A	11757		118.55	10	1	
	MSFL90024	15504	A	11755		34.75	10	1	
	MSH90DCB	40641	A	11755		61.20		1	
	MST025FE	28200	A	11880	N25	48.90	1		.4
	MST050FE	28202	A	11880	N25	69.30	1		.7
	MST075FE	28204	A	11880	N25	78.05	1		1.5
	MST100FE	28206	A	11880	N25	92.90	1		3.3
	MST125FE	28208	A	11880	N25	103.60	1		4.2
	MST150FE	28210	A	11880	N25	112.70	1		4.5
	MST175FE	28212	A	11880	N25	170.90	1		7.4
	MST200FE	28214	B	11880	N25	212.15	1		6.1
	MST250FE	28216	B	11880	N25	218.65	1		6.3
	MST300FE	28218	B	11880	N25	224.00	1		5.8
	MSWM1000DCB	16025	A	11755	E2	61.20	10		5.0
	MSWS10002C	15506	A	11755		52.50	10	1	5.0
	N0101	17300	A	11830	M3	0.40	50		2.4
	N0101D	17305	A	11830	M3	0.55	50		2.4
	N0102	17310	A	11830	M3	0.80	50		3.5
	N0102D	17315	A	11830	M3	1.35	50		3.0
	N0103D	17320	A	11830	M3	2.75	25		2.5
	N0111	17001	A	11830	M4	0.80	50		4.8
	N0111-1	17010	A	11830	M4	1.45	50		4.6
	N0111-2	16999	A	11830	M9	2.25	50		4.6
	N0116	17004	A	11830	M5	1.55	50		4.6
	N011GA1	17325	A	11830	M10	0.55	50		3.0
	N0121	12100	A	11830	M5	1.05	50		5.0
	N0132	13200	A	11830	M6	0.80	40		4.6
	N0154E	17005	A	11830	M5	3.35	40		4.6
	N0171	17330	A	11830	M2	0.40	50		5.4
	N0172	17335	A	11830	M2	0.80	40		8.6
	N0173	17340	A	11830	M2	1.70	20		6.6
	N1201	17006	A	11830	M3	0.35	50		2.5
	N1201-11	17011	A	11830	M8	1.15	50		3.1
	N120121BM	17012	A	11830	M8	1.60	25		4.0
	N1201D	16998	A	11830	M3	0.55	50		2.5
	N1201DM	17008	A	11830	M3	0.85	50		3.5
	N1201M	17009	A	11830	M3	0.80	50		3.5
	N1202	17013	A	11830	M3	0.70	50		3.8
	N1202D	17014	A	11830	M3	1.35	50		3.7
	N1202DM	17015	A	11830	M3	1.60	25		2.5
	N1202M	17016	A	11830	M3	1.50	25		2.5
	N1203D	17017	A	11830	M3	2.75	25		2.5
	N1204D	17018	A	11830	M4	5.65	15		2.5
	N1205D	17019	A	11830	M4	7.75	15		3.5
	N1206D	17021	A	11830	M4	9.50	15		4.0
	N1211	17024	A	11830	M4	0.60	50		2.5
	N1211-1	17026	A	11830	M4	1.15	50		2.5
	N1211M	17025	A	11830	M4	0.80	50		3.5
	N1216	17027	A	11830	M5	1.55	50		2.5

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N121GA1	17022	A	11830	M10	**0.60**	50		2.5
N121GB1M	17023	A	11830	M11	**0.80**	50		2.5
N1221	17028	A	11830	M5	**1.05**	50		2.5
N1221B71M	17031	A	11830	M9	**1.60**	25		3.0
N1221BM	17029	A	11830	M6	**0.80**	50		3.0
N1222	17032	A	11830	M6	**2.15**	20		6.0
N1232	17033	A	11830	M6	**0.80**	40		4.6
N1232DM	17034	A	11830	M7	**1.60**	25		4.8
N1232M	17035	A	11830	M6	**1.60**	25		4.8
N1233	17036	A	11830	M7	**1.60**	20		6.3
N1233DM	17037	A	11830	M7	**3.30**	15		6.0
N1254E	17038	A	11830	M5	**2.40**	40		2.5
N1271	17039	A	11830	M2	**0.35**	50		2.8
N1271M	17041	A	11830	M2	**0.80**	50		3.0
N1272	17042	A	11830	M2	**0.70**	40		4.6
N1272M	17043	A	11830	M2	**1.60**	25		3.0
N1273	17044	A	11830	M2	**1.45**	20		4.0
N1273M	17045	A	11830	M2	**3.20**	15		4.3
N1274	17046	A	11830	M2	**1.65**	15		4.2
N1275	17047	A	11830	M2	**3.15**	15		5.5
N1276	17048	A	11830	M2	**4.00**	15		6.0
N1301	17049	A	11830	M3	**0.35**	50		2.5
N1301-11	17054	A	11830	M8	**1.15**	25		3.1
N130121BM	17055	A	11830	M8	**1.60**	25		4.0
N1301D	17051	A	11830	M3	**0.55**	50		2.5
N1301DM	17052	A	11830	M3	**0.85**	50		3.5
N1301M	17053	A	11830	M3	**0.80**	50		3.5
N1301MGFP	18400	A	11830	M14	**3.35**	50		
N1302	17056	A	11830	M3	**0.70**	50		3.8
N1302D	17057	A	11830	M3	**1.35**	50		3.7
N1302M	17058	A	11830	M3	**1.50**	25		2.5
N1303D	17059	A	11830	M3	**2.75**	25		2.5
N1304D	17061	A	11830	M4	**5.65**	15		2.5
N1305D	17062	A	11830	M4	**7.65**	15		3.5
N1306D	17063	A	11830	M4	**9.50**	15		4.0
N1311	17066	A	11830	M4	**0.60**	50		2.5
N1311M	17067	A	11830	M4	**0.80**	50		3.5
N131GA1	17064	A	11830	M10	**0.60**	50		2.5
N131GB1M	17065	A	11830	M11	**0.80**	50		2.5
N1321	17068	A	11830	M5	**1.05**	50		2.5
N1321B71M	17071	A	11830	M9	**1.60**	25		3.0
N1321BM	17069	A	11830	M6	**0.80**	50		3.0
N1322	17072	A	11830	M6	**2.10**	20		6.0
N1332	17073	A	11830	M6	**0.80**	40		4.6
N1332DM	17074	A	11830	M7	**1.60**	25		4.8
N1332M	17075	A	11830	M6	**1.60**	25		4.8
N1333	17076	A	11830	M7	**1.60**	20		6.3
N1333DM	17077	A	11830	M7	**3.30**	15		6.0
N1371	17078	A	11830	M2	**0.35**	50		2.8
N1371M	17079	A	11830	M2	**0.80**	50		3.0
N1372	17081	A	11830	M2	**0.70**	40		4.6
N1372M	17082	A	11830	M2	**1.50**	25		4.8
N1373	17083	A	11830	M2	**1.45**	20		4.0
N1373M	17084	A	11830	M2	**3.20**	15		4.3
N1374	17085	A	11830	M2	**1.65**	15		4.5
N1375	17086	A	11830	M2	**3.15**	15		5.0
N1376	17087	A	11830	M2	**4.00**	15		6.0
N1401	17088	A	11830	M3	**0.35**	50		2.5
N1401-11	17092	A	11830	M8	**1.15**	25		3.1
N1401D	17089	A	11830	M3	**0.55**	50		2.5
N1401DM	17091	A	11830	M3	**0.80**	50		3.5
N1402	17093	A	11830	M3	**0.70**	50		3.7
N1402D	17094	A	11830	M3	**1.35**	50		3.5
N1403D	17095	A	11830	M3	**2.75**	25		2.5
N1404D	17096	A	11830	M4	**5.65**	15		2.5
N1405D	17097	A	11830	M4	**7.75**	15		3.5
N1406D	17098	A	11830	M4	**9.50**	15		4.0
N1411	17101	A	11830	M4	**0.60**	50		2.5
N141GA1	17099	A	11830	M10	**0.60**	50		2.5
N1421	17102	A	11830	M5	**1.05**	50		2.5
N1422	17103	A	11830	M6	**2.10**	20		6.0
N1432	17104	A	11830	M6	**0.80**	40		4.3
N1433	17105	A	11830	M7	**1.60**	20		6.4
N1471	17106	A	11830	M2	**0.35**	50		2.8
N1472	17107	A	11830	M2	**0.70**	40		4.4
N1473	17108	A	11830	M2	**1.45**	20		4.0
N1474	17109	A	11830	M2	**1.65**	15		4.2
N1475	17111	A	11830	M2	**3.15**	15		5.5
N1476	17112	A	11830	M2	**4.00**	15		6.0
N2101	17113	A	11830	M3	**0.35**	50		2.5
N210111	17119	A	11830	M8	**1.15**	25		3.1
N210121BM	17121	A	11830	M8	**1.60**	25		4.0
N2101D	17114	A	11830	M3	**0.55**	50		2.5
N2101DM	17115	A	11830	M3	**0.85**	50		3.5
N2101DMC	17116	A	11830	M14	**3.30**	50		3.5
N2101M	17117	A	11830	M3	**0.80**	50		3.5
N2101MC	17118	A	11830	M14	**3.30**	50		3.5
N2101MGFP	18402	A	11830	M14	**3.35**	50		3.5
N2102	17122	A	11830	M3	**0.70**	50		4.0
N2102D	17123	A	11830	M3	**1.35**	50		3.6
N2102DM	17124	A	11830	M3	**1.60**	50		4.0
N2102M	17125	A	11830	M3	**1.50**	25		2.5
N2103D	17126	A	11830	M3	**2.75**	25		2.5
N2104D	17127	A	11830	M4	**5.65**	15		2.5
N2105D	17128	A	11830	M4	**7.75**	15		3.5
N2106D	17129	A	11830	M4	**9.50**	15		4.0
N2111	17133	A	11830	M4	**0.60**	50		2.5
N2111-1	17136	A	11830	M4	**1.15**	50		4.8
N2111M	17134	A	11830	M4	**0.80**	50		3.5
N2116	17137	A	11830	M5	**1.55**	50		2.5
N211GA1	17131	A	11830	M10	**0.60**	50		2.5
N211GB1M	17132	A	11830	M11	**0.80**	50		2.5
N2121	17138	A	11830	M5	**1.05**	50		3.4
N2121B71M	17141	A	11830	M9	**1.60**	25		3.0
N2121BM	17139	A	11830	M6	**0.80**	50		3.0
N2122	17142	A	11830	M6	**2.10**	20		6.0
N2132	17143	A	11830	M6	**0.80**	40		4.6
N2132DM	17144	A	11830	M7	**1.60**	25		4.7
N2132M	17145	A	11830	M6	**1.60**	25		4.8
N2133	17146	A	11830	M7	**1.60**	20		6.3
N2133DM	17147	A	11830	M7	**3.30**	15		6.5
N2133DMFL	17148	A	11830	M14	**7.05**	15		7.1
N2133FL	17149	A	11830	M14	**6.00**	20		6.0
N2154E	17151	A	11830	M5	**2.40**	40		4.1
N2171	17152	A	11830	M2	**0.35**	50		3.0
N2171M	17153	A	11830	M2	**0.80**	50		3.1
N2171M277	17157	A	11830	M14	**5.90**	50		3.1
N2171MAC	17154	A	11830	M14	**5.90**	50		3.1
N2172	17158	A	11830	M2	**0.75**	40		4.9
N2172M	17159	A	11830	M2	**1.50**	25		5.3
N2172MFL	17161	A	11830	M14	**7.05**	25		4.9
N2173	17162	A	11830	M2	**1.45**	20		4.0
N2173M	17163	A	11830	M2	**3.20**	15		4.3
N2174	17164	A	11830	M2	**1.65**	15		4.5
N2175	17165	A	11830	M2	**3.15**	15		5.0
N2176	17166	A	11830	M2	**4.00**	15		6.0
N2201	17167	A	11830	M3	**0.40**	50		2.5
N220111	17172	A	11830	M8	**1.45**	25		3.8
N2201D	18404	A	11830	M3	**0.60**	50		2.5
N2201DM	17168	A	11830	M3	**0.85**	50		3.0

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N2201DMEM	18406	A	11830	M14	3.55	50		3.0
N2201M	17169	A	11830	M3	0.80	50		3.0
N2201MEM	17171	A	11830	M14	4.15	50		3.0
N2201MGFP	18408	A	11830	M14	3.35	50		3.6
N2202	17173	A	11830	M3	1.45	50		3.8
N2202D	18410	A	11830	M3	1.30	50		3.6
N2202M	17174	A	11830	M3	1.60	25		4.2
N2202MEM	17175	A	11830	M14	7.05	25		4.1
N2211	17176	A	11830	M4	0.80	50		4.8
N2211-1	17178	A	11830	M4	1.40	50		4.8
N2211M	17177	A	11830	M4	1.10	50		2.5
N2221	17179	A	11830	M5	1.10	50		2.5
N2222	17181	A	11830	M6	2.40	20		6.5
N2232	17182	A	11830	M6	1.50	40		4.4
N2232M	17183	A	11830	M6	1.60	25		4.6
N2271	17185	A	11830	M2	0.40	50		2.8
N2271M	17186	A	11830	M2	0.80	50		3.0
N2271MEM	17187	A	11830	M14	3.35	50		3.0
N2272	17188	A	11830	M2	1.45	40		4.6
N2272M	17189	A	11830	M2	1.60	25		5.1
N2272MEM	17191	A	11830	M14	7.05	25		5.2
N2273	17192	A	11830	M2	2.40	20		4.0
N2274	17193	A	11830	M2	3.85	15		4.2
N3901D	17196	A	11830	M14	3.05	50		2.5
N3901IG	17197	A	11830	M14	2.15	25		2.5
N3901MC	17198	A	11830	M14	3.30	50		2.5
N3911-1IG	17201	A	11830	M14	5.65	50		2.5
N3911IG	17199	A	11830	M14	4.45	50		2.5
N3911MC	17190	A	11830	M14	3.30	50		2.5
N4901DM	17202	A	11830	M14	1.30	50		3.0
N4901DMC	17203	A	11830	M14	3.75	50		3.0
N4911M	17204	A	11830	M14	1.30	50		3.0
N4911MC	17205	A	11830	M14	3.75	50		3.0
□-@NMPS-315	91700	A	11560	B15	33.90	4	1	8.9
□-@NMPS-515	91705	A	11560	B15	41.00	4	1	13.1
PA050	28044	A	11880	N26	24.15	10	1	.1
PA062	28046	A	11880	N26	24.15	10	1	.1
PA075	28048	A	11880	N26	24.50	10	1	.3
PA100	28050	A	11880	N26	26.10	10	1	.3
PA125	28052	A	11880	N26	28.15	1	1	.3
PA150	28054	A	11880	N26	30.80	1	1	.5
PA175	28056	A	11880	N26	33.75	1	1	.9
PA200	28058	A	11880	N26	36.20	1	1	.9
PA250	28060	A	11880	N26	46.90	1	1	
PA300	28062	A	11880	N26	57.30	1	1	2.1
▲ PB7004B	00025	A	11562		16.95	24	1	
▲ PB7007B	00027	A	11562		23.35	24	1	
▲ PB7018B	00029	A	11562		27.05	24	1	
PC13W32	35000	B	11860		10.45	10	1	6.0
PC13W43	35005	B	11860		10.65	10	1	7.0
PC13W54	35010	B	11860		11.60	10	1	8.0
PC23W43	35015	B	11860		10.95	10	1	8.0
PC23W54	35020	B	11860		11.85	10	1	9.0
PC23W73	35025	B	11860		12.60	10	1	10.0
PC345W43	35030	B	11860		11.25	10	1	9.0
PC345W54	35035	B	11860		12.30	10	1	10.0
PC345W73	35040	B	11860		13.10	10	1	11.0
- PCS002	40640	A	11224	J12	36.10	10	1	6.0
- PCS102	40642	B	11224	J12	38.10	10	1	6.0
- PCS202	40644	B	11224	J12	44.65	10	1	6.0
PH050	28026	A	11880	N24	47.65	1	1	.4
PH062	28028	A	11880	N24	48.45	1	1	.5
PH075	28030	A	11880	N24	46.60	1	1	.6
PH100	28032	A	11880	N24	49.55	1	1	1.1
PH150	28034	A	11880	N24	54.70	1	1	1.6
PH200	28036	A	11880	N24	59.10	1	1	2.0
PH250	28038	A	11880	N24	65.15	1	1	3.0
PH300	28040	A	11880	N24	72.05	1	1	3.3
PH350	28042	A	11880	N24	81.25	1	1	4.0
PHS050	28000	A	11880	N23	61.15	1	1	.4
PHS062	28002	A	11880	N23	62.25	1	1	.5
PHS075	28004	A	11880	N23	72.15	1	1	1.2
PHS100	28006	A	11880	N23	74.25	1	1	2.4
PHS150	28008	A	11880	N23	85.55	1	1	2.4
PHS200	28010	A	11880	N23	100.90	1	1	4.2
PHS250	28012	A	11880	N23	119.95	1	1	6.3
PHS300	28014	A	11880	N23	139.20	1	1	6.9
PHS350	28016	A	11880	N23	159.25	1	1	7.9
PHS400	28018	A	11880	N23	179.65	1	1	7.9
PHS450	28020	B	11880	N23	211.35	1	1	10.0
PHS500	28022	B	11880	N23	224.80	1	1	12.5
PHS600	28024	B	11880	N23	272.30	1	1	14.9
PKL520	28080	A	11111		42.00	3	1	7.0
PIT24H	27220	A	11754	E18	8.80	10	1	3.9
PIT24HE	27222	A	11754	E18	24.25	10	1	3.9
PJ019	28064	A	11880	N29	9.80	5		.1
PJ025	28066	A	11880	N29	10.25	5	1	.1
PJ037	28068	A	11880	N29	12.55	5	1	.3
PJ050	28070	A	11880	N29	13.55	5	1	.4
PJ062	28072	A	11880	N29	15.70	5	1	.7
PJ075	28074	A	11880	N29	17.85	5	1	1.0
PJ100	28076	A	11880	N29	19.05	5	1	1.5
▲ PS306	00002	A	11564		5.60	48	1	
▲ PS406	00006	A	11564		6.25	20	1	
▲ PS406S	00007	A	11564		10.35	20	1	
▲ PS603	00010	A	11564		9.95	24	1	
▲ PS604	00011	A	11564		13.60	24	1	
▲ PS605	00012	A	11564		13.60	24	1	
▲ PT301IV	00009	A	11564		3.10	48	1	
▲ PT306IV	00008	A	11564		6.25	36	1	
R041GA1	88662	A	11810	M10	0.95	200	20	27.4
R061BA1	88841	A	11810	M10	1.50	200	20	27.4
R061BB1	88842	A	11810	M11	1.35	250	25	30.0
R061CE1	88854	A	11810	M12	1.95	250	25	
R061CE2	88855	A	11810	M12	4.10	250	25	
R061ED1	88863	A	11810	M11	1.90	250	25	
R061ED2	88865	A	11810	M11	2.30	250	25	
R061EE1	88867	A	11810	M11	1.90	250	25	
R061EE2	88869	A	11810	M11	2.30	250	25	
R061FD2	88872	A	11810	M11	2.30	250	25	29.1
R061GA1	88873	A	11810	M10	1.50	50	20	27.8
R061GB1	88874	A	11810	M11	1.35	100	25	14.2
R061GB1J	18412	A	11810	M13	3.60	150	15	26.4
R061KE1	88877	A	11810	M12	1.90	250	25	33.7
R061TN1	88919	A	11810	M12	1.90	250	25	
R061TN2	88925	A	11810	M12	2.30	250	25	27.9
R061TY1	18414	A	11810	M12	1.90	250	25	30.7
R061TY2	18416	A	11810	M12	2.30	250	25	29.6
R062GA2	88973	A	11810	M10	3.05	50	10	
R062GB1	88974	A	11810	M11	3.05	150	15	
R062TN4	88982	A	11810	M12	4.55	150	15	28.6
R091GA1	89034	A	11810	M10	1.20	200	20	
R091GB1	89035	A	11810	M11	1.05	250	25	
R251GA1	89411	A	11810	M10	1.65	200	20	
R281BA1	18418	A	11810	M10	2.75	100	10	20.4
R281GA1	18420	A	11810	M10	3.40	50	10	10.7
RB1121	18204	A	13000	L9	20.95	100		
RB201-2	18205	A	13000	L7	11.20	20		7.4
RB203-2	18207	A	13000	L7	11.30	20		11.1
RB203-3	18208	A	14500	L7	17.55	10		8.2

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RB204-BE	18209	A	13000	L7	**11.20**	20		4.4
RB223-2VAL	18217	A	14500	L7	**7.45**	20		10.7
RB223-VAL	18215	A	14500	L7	**3.60**	50		
RB224-2VAL	18224	A	13000	L7	**6.65**	20		7.3
RB224-HAL	18218	A	13000	L7	**2.95**	50		1.0
RB224-MBG	18219	A	13000	L7	**6.40**	25		8.7
RB224-VAL	18222	A	13000	L7	**2.95**	50		8.9
RB225-2V	18225	A	13000	L7	**2.95**	20		9.2
RB240-3F	18231	A	13000	L9	**6.10**	50		8.9
RB240-AL	18226	A	13000	L9	**1.10**	100	10	7.9
RB240-F	18227	A	14500	L9	**1.80**	100		
RB245-AL	18232	A	14500	L7	**3.15**	50		12.6
RB255-L4	18238	A	13000	L9	**10.80**	25		21.6
RB270-L	18239	A	14500	L2	**4.05**	50		31.4
RB271-L	18241	A	13000	L2	**4.75**	50		30.4
RB272-L	18242	A	13000	L2	**5.70**	50		30.3
RB272-SL	18243	A	13000	L2	**5.70**	50		32.6
RB273-L	18244	A	13000	L2	**4.40**	50		
RB274-L	18245	A	13000	L2	**5.10**	50		29.9
RB275-L	18246	A	13000	L2	**5.80**	50		30.3
RB275-SL	18247	A	13000	L2	**6.90**	50		32.9
RB276-3L	18248	A	13000	L4	**7.60**	10		
RB276-3S2L	18249	A	14500	L4	**9.70**	10		9.4
RB276-4L	18251	A	13000	L4	**8.35**	10		10.2
RB276-5L	18252	A	13000	L4	**9.10**	10		10.2
RB276-5S2L	18253	A	13000	L4	**10.80**	10		10.5
RB276-7L	18255	A	13000	L4	**10.65**	10		10.4
RB277-3L	18256	A	14500	L4	**8.10**	10		9.4
RB277-3S2L	18257	A	13000	L4	**10.05**	10		9.1
RB277-4L	18258	A	13000	L4	**8.75**	10		9.8
RB277-5L	18261	A	13000	L4	**9.60**	10		
RB277-6L	18263	A	13000	L4	**10.50**	10		9.5
RB277-7L	18264	A	13000	L4	**10.80**	10		9.5
RB27L	18348	A	13000	L9	**0.70**	100		4.0
RB330	18265	A	13000	L8	**3.45**	50		21.6
RB330-C	18358	A	13000	L8	**5.25**	50		25.0
RB330-G	18357	A	13000	L8	**1.20**	100		
RB330-WG	18356	A	13000	L8	**6.20**	100		4.0
RB371	18267	A	13000	L8	**1.95**	20		
RB373	18268	A	13000	L8	**2.95**	20		6.0
RB381-BE	18269	A	13000	L8	**2.10**	20		9.0
RB383-BE	18271	A	13000	L8	**2.95**	20		8.5
RB385-5L	18272	A	13000	L8	**6.40**	20		14.5
RB388	18350	A	13000	L9	**0.60**	100		1.6
RB389	18351	A	13000	L9	**0.80**	100		2.8
RB393-BE	18352	A	13000	L9	**1.65**	100		3.6
RB397-5L	18274	A	13000	L8	**7.80**	20		7.7
RB398-4GS	18275	A	14500	L8	**1.10**	50		7.1
RB5050-0	50525	A	14500	L5	**14.30**	10	1	5.0
RB5051-0	50500	A	14500	L5	**13.55**	10	1	5.0
RB5052-0	50510	A	14500	L5	**14.30**	10	1	5.0
RB5053-0	50520	A	14500	L5	**15.20**	6	1	5.0
RB5060-0	50505	A	14500	L5	**13.55**	10	1	5.0
RB5061-0	50515	A	13000	L5	**14.30**	10	1	5.0
RB5080-0	50545	A	13000	L5	**17.85**	6	1	3.1
RB5081-0	50530	A	13000	L5	**17.85**	6	1	3.1
RB5082-0	50535	A	13000	L5	**17.85**	6	1	3.1
RB5083-0	50540	A	13000	L5	**17.85**	6	1	3.1
RB5085-0	50550	A	14500	L5	**23.05**	3	1	2.5
RB5086-0	50555	A	13000	L5	**23.05**	3	1	2.5
RB5088-0	50560	A	13000	L5	**23.05**	3	1	2.5
RB5089-0	50565	A	13000	L5	**23.05**	3	1	2.5
RB5753-0	50572	A	14500		**14.65**			
RB5761-0	50570	A	14500		**10.95**			
RB889-L	18276	A	13000	L3	**7.05**	25		22.6
RB890-L	18277	A	14500	L3	**7.30**	25		22.2
RB891-L	18278	A	13000	L3	**7.90**	25		20.5
RB892-5L	18279	A	13000	L4	**11.40**	10		12.8
RB893-5L	18281	A	13000	L4	**10.25**	10		11.6
RB894-7L	18282	A	13000	L4	**14.20**	10		16.9
RB940	18284	A	13000	L3	**5.60**	50		28.9
RB941	18285	A	13000	L3	**6.05**	50		28.9
RB945	18286	A	13000	L3	**5.95**	50		23.4
RB947	18287	A	13000	L3	**6.45**	50		28.7
RB950	18288	A	13000	L3	**3.15**	50		
RB951-BE	18289	A	13000	L4	**5.90**	10		4.2
RBN973	18201	A	13000	L9	**35.10**	10		12.3
RC02920G01	20170	C	11111		**13.80**	30		10.0
RC02920G02	20171	C	11111		**13.25**	30		10.0
RCH1-DR	18301	A	13000	L6	**4.95**	50		22.8
RCH1-GFR	18302	A	13000	L6	**8.30**	50		22.8
RCV1-DR	18304	A	13000	L6	**4.95**	50		22.2
RCV1-GFR	18305	A	13000	L6	**6.30**	50		21.9
RCV1-LSR	18306	A	14500	L6	**6.75**	50		23.7
RCV1-PR	18307	A	14500	L6	**6.50**	50		21.7
RCV1-SR	18308	A	13000	L6	**5.60**	50		22.5
RCV2-DR	18309	A	14500	L6	**9.90**	20		13.4
RCV2-DRGFR	18311	A	13000	L6	**14.35**	20		13.2
RCV2-LPR	18312	A	14500	L6	**12.90**	20		13.4
RCV2-SWGFR	18313	A	13000	L6	**13.10**	20		13.9
S1801	90414	A	11810	M3	**2.75**	25		14.5
S1801D	90415	A	11810	M3	**2.75**	25		14.5
S1802	90426	A	11810	M3	**6.30**	25		29.0
S1802D	90427	A	11810	M3	**6.30**	25		29.0
S1832	90463	A	11810	M6	**6.25**	25		29.0
S1871	90500	A	11810	M2	**2.75**	25		14.5
S1872	90503	A	11810	M2	**6.05**	25		29.0
S1873	90505	A	11810	M2	**9.30**	25		43.5
S2271OEM	90749	A	11830	M16	**0.90**	100	10	31.3
S2271GEM	90747	A	11830	M16	**0.90**	100	10	31.3
S2501	90727	A	11810	M3	**1.45**	100	10	11.7
S2502	90735	A	11810	M3	**3.40**	50	10	5.6
S2511	90743	A	11810	M4	**1.50**	100	10	6.0
S2511-1	90681	A	11810	M4	**1.85**	100	10	5.2
S2516	90684	A	11810	M5	**1.95**	100	10	5.2
S2521B	90687	A	11810	M6	**1.45**	100	10	7.0
S2522B	90701	A	11810	M6	**3.40**	100	10	12.0
S2571	91215	A	11810	M2	**1.40**	100	10	6.0
S2572	91217	A	11810	M2	**2.80**	50	10	6.0
# **S2800-28**	18422	A	11810	M16	**0.10**	100		1.0
# **S2800-38**	18424	A	11810	M16	**0.10**	100		2.0
# **S2800-58**	18426	A	11810	M16	**0.10**	100		2.0
S2801	18430	A	11810	M3	**2.85**	100	10	17.7
S2801-01D	18434	A	11810	M8	**6.45**	50	10	6.7
S2801D	18432	A	11810	M3	**2.65**	100	10	13.5
S2802	18436	A	11810	M3	**6.40**	50	10	12.1
S2802D	18438	A	11810	M3	**5.25**	50	10	10.8
S2803D	18440	A	11810	M3	**13.20**	50	10	14.7
S2804D	18442	A	11810	M4	**14.10**	50	10	18.4
S2805D	18444	A	11810	M4	**31.90**	20	5	9.2
S2806D	18446	A	11810	M4	**28.70**	20	5	10.6
S2811	18448	A	11810	M4	**3.15**	50	10	8.4
S2811-1	18450	A	11810	M4	**5.70**	100	10	16.1
S2819	18452	A	11810	M9	**6.75**	50	10	9.8
S2821	18454	A	11810	M5	**3.40**	100	10	20.5
S2821B	18456	A	11810	M6	**3.15**	100	10	19.0
S2822BB	18458	A	11810	M6	**6.80**	50	10	15.0
S2832	18460	A	11810	M6	**6.35**	50	10	5.3
S2832D	18462	A	11810	M7	**5.50**	50	10	12.9
S2854K	18464	A	11810	M5	**6.75**	50	10	12.4

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	S2871	18466	A	11810	M2	2.80	100	10	18.3
	S2872	18468	A	11810	M2	6.15	50	10	15.1
	S2873	18470	A	11810	M2	9.50	50	10	17.2
	S2874	18472	A	11810	M2	13.15	50	10	26.7
	S2875	18474	A	11810	M2	16.25	10	5	6.6
	S2876	18476	A	11810	M2	18.95	10	5	7.7
	S3008F	91172	A	11810	M16	0.30	100	10	
	S3008G	91173	A	11810	M16	0.30	100	10	.2
	S40	27190	A	11860	N9	4.05	20		.2
#	S400-28	90920	A	11810	M16	0.05	100		2.0
#	S400-38	90921	A	11810	M16	0.05	100		
#	S400-58	90922	A	11810	M16	0.05	100		
	S401	20025	A	11810	M3	0.75	100	10	10.3
	S401D	40093	A	11810	M3	0.75	100	10	10.5
	S402	20152	A	11810	M3	1.50	100	10	17.0
	S402D	90865	A	11810	M3	1.50	100	10	16.0
	S411	20325	A	11810	M4	2.00	50	10	5.8
	S416	20625	A	11810	M5	1.30	100	10	24.0
	S421B	20825	A	11810	M6	0.75	100	10	32.5
	S422B	90883	A	11810	M6	1.50	50	10	31.1
	S432	21202	A	11810	M6	1.50	50	10	28.8
	S454	22125	A	11810	M5	2.65	50	10	25.8
	S471	30024	A	11810	M2	0.75	100	10	28.0
	S472	30125	A	11810	M2	1.50	50	10	30.7
	S473	30225	A	11810	M2	2.25	50	10	30.2
#	S600-28	91147	A	11810	M16	0.05	100		
#	S600-38	91148	A	11810	M16	0.05	100		
#	S600-88	91150	A	11810	M16	0.05	100		
	S601	31633	A	11810	M3	1.35	100	10	11.7
	S601-01D	91159	A	11810	M8	2.80	50	10	10.0
	S601-11	91160	A	11810	M8	2.80	50	10	10.0
	S601-111	91108	A	11810	M8	6.45	50	10	10.0
	S601-21	91109	A	11810	M8	3.25	100	10	19.5
	S601-21B	91110	A	11810	M8	2.80	50	10	10.0
	S60121B01	18478	A	11810	M9	12.90	50	10	13.5
	S601D	91151	A	11810	M3	1.35	100	10	11.7
	S601D-21	18480	A	11810	M8	3.20	100	10	19.4
	S601DJ	91152	A	11810	M13	3.85	50	10	2.2
	S601EMGH	18484	A	11810	M14	14.40	100	10	14.0
	S601GFP	18486	A	11810	M14	14.40	100	10	14.0
	S601J	91154	A	11810	M13	3.85	50	10	9.5
	S602	31634	A	11810	M3	2.65	50	10	10.0
	S602D	91112	A	11810	M3	3.00	50	10	10.0
	S602DJ	91113	A	11810	M13	7.65	10		2.3
	S602EMG	91192	A	11810	M14	14.10	50	10	7.0
	S602J	91114	A	11810	M13	7.65	10		2.6
	S603	91115	A	11810	M3	4.00	50	10	16.0
	S603D	91116	A	11810	M3	4.00	50	10	16.0
	S604	91118	A	11810	M3	5.65	50	10	20.0
	S604D	91119	A	11810	M4	6.25	50	10	20.0
	S605D	91120	A	11810	M4	23.65	10	10	3.7
	S606D	91121	A	11810	M4	28.50	50	10	21.0
	S611	91122	A	11810	M4	1.35	100	10	12.1
	S611-1	31632	A	11810	M4	1.70	100	10	14.0
	S6111B111	18488	A	11810	M5	12.45	100	10	14.0
	S611-2	31631	A	11810	M9	1.80	100	10	14.0
	S611-71	91125	A	11810	M9	2.80	50	10	14.0
	S611J	91123	A	11810	M13	3.85	50	10	10.6
	S612	18490	A	11810	M4	3.00	50	10	14.0
	S616	31636	A	11810	M5	1.70	50	10	14.0
	S616J	91126	A	11810	M13	3.85	10		3.0
	S619	91127	A	11810	M9	3.20	100	10	14.0
	S621	91128	A	11810	M5	1.70	100	10	14.0
	S621-71	91076	A	11810	M9	5.60	100	10	20.0
	S621B	20505	A	11810	M6	1.35	100	10	14.4
	S621B0101	18492	A	11810	M9	12.80	50	10	24.2
	S621B-71	91073	A	11810	M9	5.60	50	10	24.2
	S621B-7171	91075	A	11810	M9	11.85	50	10	24.2
	S621BJ	91129	A	11810	M13	3.85	10		3.0
	S622	91077	A	11810	M6	3.45	100	10	20.0
	S622B	91078	A	11810	M6	2.65	50	10	12.0
	S622BJ	91079	A	11810	M13	7.65	10		24.4
	S623	91080	A	11810	M6	5.40	50	10	16.0
	S623B	91081	A	11810	M6	5.50	50	10	16.0
	S624	91083	A	11810	M6	20.35	30	10	14.4
	S624B	91084	A	11810	M6	19.30	30	10	14.4
	S632	91085	A	11810	M6	2.75	50	10	25.0
	S632D	91086	A	11810	M7	2.75	50	10	10.0
	S632DJ	91087	A	11810	M13	7.65	10		2.8
	S632J	91088	A	11810	M13	7.65	10		2.8
	S633	91089	A	11810	M7	4.25	50	10	16.0
	S633D	91090	A	11810	M7	4.25	50	10	21.0
	S633DJ	91100	A	11810	M13	9.85	10		24.8
	S633J	91102	A	11810	M13	9.85	10		2.5
	S633R	91103	A	11810	M7	4.25	50	10	16.0
	S634	91104	A	11810	M7	5.65	50	10	14.0
	S634D	91105	A	11810	M7	5.65	50	10	16.0
	S651	91048	A	11810	M3	3.00	100	10	20.0
	S652	91049	A	11810	M2	3.00	50	10	10.0
	S654	25001	A	11810	M5	3.60	50	10	10.0
	S654E	32078	A	11810	M5	3.85	50	10	10.0
	S654F	91050	A	11810	M5	3.60	50	10	10.0
	S654K	91053	A	11810	M5	3.85	50	10	10.0
	S654N	91054	A	11810	M5	3.85	50	10	10.0
	S655	91055	A	11810	M4	3.00	50	10	10.0
	S655-1	91056	A	11810	M4	3.00	50	10	10.0
	S671	50300	A	11810	M2	1.35	100	10	14.0
	S671EMG	91193	A	11810	M14	7.50	100	10	14.0
	S671J	91059	A	11810	M13	3.85	100	10	21.2
	S671V	18500	A	11810	M9	1.45			
	S672	50305	A	11810	M2	2.65	50	10	14.0
	S672EMG	91194	A	11810	M14	10.05	50	10	10.0
	S672J	91068	A	11810	M13	7.65	10		2.2
	S672V	18505	A	11810	M10	2.70			
	S673	50310	A	11810	M2	3.95	50	10	21.0
	S673V	18510	A	11810	M10	3.90			
	S674	50315	A	11810	M2	5.35	50	10	28.0
	S674V	18515	A	11810	M10	5.40			
	S675	25002	A	11810	M2	7.05	10	5	3.9
	S675V	18520	A	11810	M10	7.80			
	S676	25003	A	11810	M2	8.45	5		7.8
	S676V	18525	A	11810	M10	12.50			
	S677	91070	A	11810	M2	28.30	10		7.5
	S678	91224	A	11810	M2	32.25	10		8.4
	S80	27192	A	11860	N9	6.10	20		6.0
	S901	20045	A	11810	M3	1.05	100	10	14.0
	S901D	91282	A	11810	M3	1.05	100	10	14.0
	S902	20146	A	11810	M3	2.05	50	10	14.0
	S902D	91287	A	11810	M3	2.05	50	10	14.0
	S903	20245	A	11810	M3	3.05	50	10	21.0
	S903D	91288	A	11810	M3	3.05	50	10	21.0
	S911	20345	A	11810	M4	1.05	100	10	14.0
	S919	91304	A	11810	M9	2.25	100	10	14.0
	S921B	20845	A	11810	M6	1.05	100	10	14.0
	S932	21245	A	11810	M6	2.05	50	10	14.0
	S932D	91310	A	11810	M7	2.05	50	10	14.0
	S933	21345	A	11810	M7	3.05	50	10	21.0
	S971	30045	A	11810	M2	1.05	100	10	14.0
	S972	30145	A	11810	M2	2.05	50	10	14.0
	S973	30245	A	11810	M2	3.05	50	10	21.0

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	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	S974	30345	A	11810	M2	**4.05**	50	10	28.0
@	**SAB12**	50012	C	11130	G33	**18.40**	5	1	1.7
@	**SAB34**	50034	C	11130	G33	**17.30**	5	1	1.6
	SS950	30091	A	11565		**195.00**	4	1	2.5
	SS955	30092	A	11565		**225.00**	4	1	2.7
	SCD075	27150	A	11880	N27	**30.30**	2	1	.3
	SCD100	27152	A	11880	N27	**32.15**	2	1	.5
	SCD125	27154	A	11880	N27	**34.95**	2	1	.7
	SCD150	27156	A	11880	N27	**38.25**	2	1	1.0
	SCD175	27158	A	11880	N27	**41.95**	2	1	1.5
	SCD200	27160	A	11880	N27	**45.35**	2	1	1.9
	SCD250	27162	A	11880	N27	**51.95**	2	1	2.0
	SCD300	27164	A	11880	N27	**61.50**	2	1	2.7
	SCD350	27166	B	11880	N27	**68.70**	2	1	3.0
-@	**SDT24**	40658	A	11767	E5	**21.60**	10	1	15.5
	SHC075	24400	B	11865	N10	**39.35**	5	1	.7
	SHC075U	24422	A	11865	N10	**39.50**	5	1	1.0
	SHC100	24412	B	11865	N10	**46.25**	5	1	1.0
	SHC100U	24444	B	11865	N10	**44.20**	5	1	1.2
	SHC125	24402	B	11865	N10	**45.10**	5	1	1.6
	SHC125U	24446	B	11865	N10	**47.85**	5	1	1.9
	SHC150	24414	B	11865	N10	**52.90**	5	1	1.7
	SHC150U	24448	B	11865	N10	**52.60**	5	1	2.0
	SHC200	24404	B	11865	N10	**81.75**	5	1	3.5
	SHC250	24416	B	11865	N10	**93.70**	5	1	3.6
	SHC300	24406	B	11865	N10	**141.45**	5	1	4.6
	SHC350	24418	C	11865	N10	**141.70**	5	1	5.9
	SHC400	24408	C	11865	N10	**162.00**	5	1	6.4
	SHC450	24420	C	11865	N10	**194.60**	5	1	7.7
	SHS075	24450	B	11865	N11	**44.75**	5	1	4.5
	SHS075U	24472	B	11865	N11	**47.20**	5	1	5.8
	SHS100	24452	B	11865	N11	**47.20**	5	1	5.6
	SHS100U	24474	B	11865	N11	**52.85**	5	1	6.9
	SHS125	24454	B	11865	N11	**50.00**	5	1	8.7
	SHS125U	24476	B	11865	N11	**54.70**	5	1	10.0
	SHS150	24456	B	11865	N11	**59.10**	5	1	9.0
	SHS150U	24478	B	11865	N11	**60.60**	5	1	10.6
	SHS200	24458	B	11865	N11	**84.10**	5	1	18.1
	SHS250	24460	B	11865	N11	**101.40**	5	1	18.5
	SHS300	24462	C	11865	N11	**129.15**	5	1	23.7
	SHS350	24464	C	11865	N11	**147.75**	5	1	29.9
	SHS400	24466	C	11865	N11	**167.00**	5	1	32.5
	SHS450	24468	C	11865	N11	**200.20**	5	1	38.5
	SP52-IG	14001	A	11610		**31.15**	10	1	.41
	SP52-IGBL	14002	A	11610		**31.15**	10	1	.41
	SP52-IGGRY	14004	A	11610		**31.15**	10	1	.41
	SP52-IGI	14005	A	11610		**31.15**	10	1	.41
	SP52-IGW	14007	A	11610		**31.15**	10	1	.41
	SP53-IG	14014	A	11610		**32.25**	10	1	.41
	SP53-IGBL	14016	A	11610		**32.25**	10	1	.41
	SP53-IGGRY	14017	A	11610		**32.25**	10	1	.41
	SP53-IGI	14019	A	11610		**32.25**	10	1	.41
	SP53-IGW	14020	A	11610		**32.25**	10	1	.41
	SP82-IG	14029	A	11610		**33.45**	10	1	.41
	SP82-IGBL	14031	A	11610		**33.45**	10	1	.41
	SP82-IGI	14032	A	11610		**33.45**	10	1	.41
	SP83-IG	14038	A	11610		**34.50**	10	1	.41
	SP83-IGBL	14040	A	11610		**34.50**	10	1	.41
	SP83-IGI	14043	A	11610		**34.50**	10	1	.41
	SPC050DE	24522	B	11865	N12	**11.10**	5	1	.5
	SPC050L	24544	A	11865	N13	**11.60**	5	1	1.0
	SPC050SO	37147	A	11865	N13	**10.05**	5	1	.5
	SPC050U	24500	A	11865	N12	**11.60**	5	1	.5
	SPC062DE	24524	A	11865	N12	**12.20**	5	1	.5
	SPC062L	24546	A	11865	N13	**14.15**	5	1	1.0
	SPC062SO	37149	A	11865	N13	**11.10**	5	1	.5
	SPC062U	24502	A	11865	N12	**12.55**	5	1	.5
	SPC075DE	24526	A	11865	N12	**13.50**	5	1	1.0
	SPC075L	24548	A	11865	N13	**16.20**	5	1	1.5
	SPC075SO	37232	A	11865	N13	**11.60**	5	1	1.0
	SPC075U	24504	A	11865	N12	**14.35**	5	1	1.2
	SPC100DE	24528	A	11865	N12	**15.90**	5	1	1.5
	SPC100L	24550	A	11865	N13	**19.55**	5	1	.7
	SPC100SO	37234	A	11865	N13	**13.10**	5	1	1.5
	SPC100U	24506	A	11865	N12	**16.20**	5	1	1.5
	SPC125DE	24530	A	11865	N12	**17.25**	5	1	1.5
	SPC125L	24552	A	11865	N13	**21.35**	5	1	2.5
	SPC125SO	37250	A	11865	N13	**14.50**	5	1	1.5
	SPC125U	24508	A	11865	N12	**17.25**	5	1	1.5
	SPC150DE	24532	A	11865	N12	**18.55**	5	1	1.5
	SPC150L	24554	A	11865	N13	**24.35**	5	1	3.0
	SPC150SO	37236	A	11865	N13	**17.55**	5	1	2.0
	SPC150U	24510	A	11865	N12	**19.05**	5	1	2.0
	SPC175DE	24534	A	11865	N12	**25.45**	1	1	.6
	SPC175L	24556	B	11865	N13	**30.40**	1	1	.9
	SPC175SO	37252	A	11865	N13	**21.40**	1	1	.6
	SPC175U	24512	A	11865	N12	**26.10**	1	1	.6
	SPC200DE	24536	A	11865	N12	**28.60**	1	1	.8
	SPC200L	24558	C	11865	N13	**35.00**	10	1	12.0
	SPC200SO	37256	A	11865	N13	**25.55**	5	1	4.5
	SPC200U	24514	A	11865	N12	**30.70**	10	1	5.6
	SPC250DE	24538	B	11865	N12	**31.70**	1	1	.8
	SPC250L	24560	C	11865	N13	**40.65**	10	1	13.0
	SPC250SO	37254	A	11865	N13	**30.70**	5	1	4.5
	SPC250U	24516	B	11865	N12	**35.55**	10	1	12.0
	SPC300DE	24540	B	11865	N12	**40.75**	10	1	16.0
	SPC300L	24561	C	11865	N13	**52.15**	10	1	24.0
	SPC300SO	37260	A	11865	N13	**39.45**	5	1	.8
	SPC300U	24518	B	11865	N12	**55.55**	10	1	20.0
	SPC350DE	24542	C	11865	N12	**45.85**	5	1	10.0
	SPC350SO	37262	A	11865	N13	**45.00**	5	1	10.0
	SPC350U	24520	C	11865	N12	**59.30**	10	1	22.0
	SPJ023L	24744	A	11865	N19	**7.70**	5	1	.5
	SPJ023LD	24792	B	11865	N18	**14.90**	5	1	.5
	SPJ023U	24720	A	11865	N19	**4.90**	5	1	.3
	SPJ023UD	24768	B	11865	N18	**13.20**	5	1	.5
	SPJ029L	24746	A	11865	N19	**7.70**	5	1	.5
	SPJ029LD	24794	B	11865	N18	**15.20**	5	1	.5
	SPJ029U	24722	A	11865	N19	**5.05**	5	1	.3
	SPJ029UD	24770	B	11865	N18	**13.55**	5	1	.5
	SPJ035L	24748	A	11865	N19	**7.70**	5	1	.5
	SPJ035LD	24796	B	11865	N18	**15.35**	5	1	.5
	SPJ035U	24724	A	11865	N19	**5.65**	5	1	.5
	SPJ035UD	24772	B	11865	N18	**13.75**	5	1	.5
	SPJ041L	24750	A	11865	N19	**8.35**	5	1	.5
	SPJ041LD	24800	B	11865	N18	**15.95**	5	1	1.0
	SPJ041U	24726	A	11865	N19	**5.65**	5	1	.5
	SPJ041UD	24774	B	11865	N18	**14.40**	5	1	.5
	SPJ046L	24752	A	11865	N19	**8.95**	5	1	.5
	SPJ046LD	24802	B	11865	N18	**15.95**	5	1	1.0
	SPJ046U	24728	A	11865	N19	**7.05**	5	1	.6
	SPJ046UD	24776	B	11865	N18	**15.20**	5	1	.5
	SPJ052L	24754	A	11865	N19	**9.85**	5	1	.5
	SPJ052LD	24804	B	11865	N18	**17.50**	5	1	1.0
	SPJ052U	24730	A	11865	N19	**7.90**	5	1	.6
	SPJ052UD	24778	B	11865	N18	**15.35**	5	1	1.0
	SPJ058L	24756	A	11865	N19	**10.55**	5	1	.5
	SPJ058LD	24806	B	11865	N18	**18.25**	5	1	1.0
	SPJ058U	24732	A	11865	N19	**8.45**	5	1	.5
	SPJ058UD	24780	B	11865	N18	**16.05**	5	1	.5

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SPJ064L	24758	A	11865	N19	10.70	5	1	.5
SPJ064LD	24808	B	11865	N18	18.85	5	1	1.3
SPJ064U	24734	A	11865	N19	8.45	5	1	6.5
SPJ064UD	24782	B	11865	N18	17.45	5	1	1.0
SPJ075L	24760	A	11865	N19	10.80	5	1	1.0
SPJ075LD	24810	B	11865	N18	20.75	5	1	1.5
SPJ075U	24736	A	11865	N19	9.05	5	1	8.5
SPJ075UD	24784	B	11865	N18	18.80	5	1	1.0
SPJ087L	24762	B	11865	N19	11.70	5	1	1.0
SPJ087LD	24812	B	11865	N18	22.90	5	1	1.9
SPJ087U	24738	A	11865	N19	9.45	5	1	1.0
SPJ087UD	24786	B	11865	N18	20.75	5	1	1.7
SPJ100L	24764	B	11865	N19	12.45	5	1	1.0
SPJ100LD	24814	B	11865	N18	24.65	5	1	2.0
SPJ100U	24740	A	11865	N19	9.45	5	1	1.1
SPJ100UD	24788	B	11865	N18	23.35	5	1	1.9
SPJ106L	24766	B	11865	N19	12.45	5	1	1.2
SPJ106LD	24816	B	11865	N18	26.60	5	1	2.1
SPJ106U	24742	A	11865	N19	9.95	5	1	1.1
SPJ106UD	24790	B	11865	N18	27.60	5	1	2.0
SPS050DE	24592	B	11865	N14	13.10	5	1	.5
SPS050L	24614	B	11865	N15	15.30	5	1	1.0
SPS050SO	37242	A	11865	N15	12.90	5	1	.5
SPS050U	24570	A	11865	N14	13.50	5	1	.5
SPS062DE	24594	B	11865	N14	16.35	5	1	.5
SPS062L	24616	A	11865	N15	17.55	5	1	1.0
SPS062SO	37244	A	11865	N15	16.35	5	1	.5
SPS062U	24572	A	11865	N14	15.25	5	1	1.0
SPS075DE	24596	A	11865	N14	17.60	5	1	1.0
SPS075L	24618	B	11865	N15	19.05	5	1	1.3
SPS075SO	37246	A	11865	N15	17.10	5	1	1.0
SPS075U	24574	A	11865	N14	15.55	5	1	1.0
SPS100DE	24598	A	11865	N14	18.85	5	1	1.5
SPS100L	24620	B	11865	N15	20.75	5	1	2.0
SPS100SO	37248	A	11865	N15	17.25	5	1	1.5
SPS100U	24580	A	11865	N14	18.05	5	1	2.0
SPS125DE	25600	B	11865	N14	19.05	5	1	1.5
SPS125L	24622	B	11865	N15	22.15	5	1	2.5
SPS125SO	37238	A	11865	N15	18.80	5	1	1.5
SPS125U	24576	A	11865	N14	18.80	5	1	2.0
SPS150DE	24602	B	11865	N14	20.60	5	1	2.0
SPS150L	24624	C	11865	N15	26.25	5	1	3.0
SPS150SO	37211	A	11865	N15	19.55	5	1	2.5
SPS150U	24578	A	11865	N14	20.60	5	1	2.0
SPS175DE	24604	B	11865	N14	26.25	5	1	3.0
SPS175L	24626	C	11865	N15	31.70	5	1	4.5
SPS175SO	37213	A	11865	N15	26.55	5	1	3.0
SPS175U	24582	A	11865	N14	30.40	5	1	3.5
SPS200DE	24606	B	11865	N14	30.95	5	1	4.5
SPS200L	24628	C	11865	N15	37.15	5	1	6.0
SPS200SO	37258	A	11865	N15	30.95	5	1	4.5
SPS200U	24584	A	11865	N14	35.05	5	1	5.0
SPS250DE	24608	B	11865	N14	36.85	5	1	4.5
SPS250L	24630	C	11865	N15	45.65	5	1	6.5
SPS250SO	37215	A	11865	N15	37.85	5	1	4.5
SPS250U	24586	B	11865	N14	38.55	5	1	6.0
SPS300DE	24610	B	11865	N14	49.60	5	1	8.0
SPS300L	24632	C	11865	N15	58.45	5	1	12.0
SPS300SO	37221	A	11865	N15	50.60	5	1	8.0
SPS300U	24588	B	11865	N14	56.75	5	1	10.0
SPS350DE	24612	C	11865	N14	51.85	5	1	10.0
SPS350L	24634	C	11865	N15	65.40	5	1	12.5
SPS350SO	37217	A	11865	N15	58.45	5	1	10.0
SPS350U	24590	B	11865	N14	60.70	5	1	11.0
SPSR050DE	24658	B	11865	N16	16.35	5	1	.5
SPSR050L	24682	A	11865	N17	18.80	5	1	1.0
SPSR050SO	37203	A	11865	N17	14.15	5	1	.5
SPSR050U	24636	A	11865	N16	16.15	5	1	1.0
SPSR062DE	24660	A	11865	N16	16.95	5	1	1.0
SPSR062L	24684	A	11865	N17	20.75	5	1	1.0
SPSR062SO	37193	A	11865	N17	15.20	5	1	.5
SPSR062U	24638	A	11865	N16	17.10	5	1	1.0
SPSR075DE	24662	A	11865	N16	18.05	5	1	1.0
SPSR075L	24686	A	11865	N17	22.15	5	1	2.0
SPSR075SO	37195	A	11865	N17	16.35	5	1	1.0
SPSR075U	24640	A	11865	N16	18.80	5	1	1.5
SPSR100DE	24664	A	11865	N16	19.75	5	1	2.0
SPSR100L	24688	A	11865	N17	26.75	5	1	2.8
SPSR100SO	37222	A	11865	N17	17.95	5	1	2.0
SPSR100U	24642	A	11865	N16	19.95	5	1	2.2
SPSR125DE	24668	A	11865	N16	21.95	5	1	2.0
SPSR125L	24690	A	11865	N17	28.35	5	1	3.1
SPSR125SO	37224	A	11865	N17	18.55	5	1	2.1
SPSR125U	24644	A	11865	N16	21.95	5	1	2.5
SPSR150DE	24670	A	11865	N16	24.75	5	1	2.1
SPSR150SO	37226	A	11865	N17	19.95	5	1	2.5
SPSR150U	24646	A	11865	N16	24.45	5	1	2.5
SPSR175DE	24672	A	11865	N16	29.75	5	1	3.0
SPSR175L	24702	B	11865	N17	36.65	5	1	5.0
SPSR175SO	37228	A	11865	N17	24.75	5	1	3.0
SPSR175U	24648	A	11865	N16	32.00	5	1	3.5
SPSR200DE	24674	A	11865	N16	33.80	5	1	4.5
SPSR200L	24704	B	11865	N17	39.95	5	1	7.0
SPSR200SO	37230	A	11865	N17	24.70	5	1	4.5
SPSR200U	24650	A	11865	N16	36.45	5	1	5.5
SPSR250DE	24676	B	11865	N16	37.30	5	1	5.5
SPSR250L	24706	B	11865	N17	47.25	5	1	7.0
SPSR250SO	37207	A	11865	N17	34.55	5	1	5.5
SPSR250U	24652	A	11865	N16	41.30	5	1	7.0
SPSR300DE	24678	B	11865	N16	45.65	5	1	10.0
SPSR300L	24708	B	11865	N17	66.05	5	1	13.0
SPSR300SO	37209	A	11865	N17	51.75	5	1	10.0
SPSR300U	24654	A	11865	N16	55.70	5	1	12.0
SPSR350DE	24680	B	11865	N16	50.45	5	1	10.5
SPSR350SO	37219	A	11865	N17	55.65	5	1	10.5
SPSR350U	24656	A	11865	N16	62.95	5	1	13.6
SSR050	27168	A	11880	N28	20.45	2	1	.9
SSR062	27170	A	11880	N28	21.35	2	1	.9
SSR075	27172	A	11880	N28	22.85	2	1	1.0
SSR100	27174	A	11880	N28	24.95	2	1	1.5
SSR125	27176	A	11880	N28	27.70	2	1	1.6
SSR150	27178	A	11880	N28	30.30	2	1	3.3
SSR175	27180	A	11880	N28	32.50	2	1	6.2
SSR200	27182	A	11880	N28	35.15	2	1	6.2
SSR250	27184	A	11880	N28	39.85	2	1	6.7
SSR300	27186	A	11880	N28	46.90	2	1	9.0
SSR350	27188	B	11880	N28	52.60	2	1	9.0
# SSTP1	89447	A	11810	M16	0.70	100		1.1
# SSTP12	89448	A	11810	M16	0.50	100		1.0
# SSTP14	89449	A	11810	M16	0.60	100		.5
# SSTP2	89450	A	11810	M16	0.85	100		1.5
# SSTP38	89451	A	11810	M16	0.50	100		.8
# SSTP58	89452	A	11810	M16	0.50	100		1.0
SSTPD	89446	A	11810	M16	26.35	1		.2
-@ ST1-15	40704	A	11615	F7	38.20	5	1	14.7
-@ ST1-6	40702	A	11615	F7	33.90	5	1	10.5
-@ ST2-6	40708	A	11615	F7	61.50	5	1	18.2
-@ ST3-6	40712	A	11615	F7	79.50	5	1	18.2
- ST-PIP	40716	A	11615	F7	47.70	5	1	4.7
SWT12HHI	27216	A	11754	E17	15.85	10	1	3.9

@ Contract pricing does not apply. • Not a stock item, consult factory for information and delivery. ▲ To be announced
# Sold in standard package quantity only. ☐ To be discontinued as soon as existing stocks are exhausted.

	CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)
	SWT12HI	27214	A	11754	E17	**15.85**	10	1	3.9
	SWT15MI	27204	A	11754	E17	**13.10**	10	1	3.9
	SWT2HI	27210	A	11754	E17	**15.85**	10	1	3.9
	SWT30MI	27206	A	11754	E17	**13.15**	10	1	3.9
	SWT60MI	27208	A	11754	E17	**13.15**	10	1	3.9
	SWT6HI	27212	A	11710	E17	**15.85**	10	1	3.9
	SY729GEM	91502	A	11810	M16	**1.80**	10	1	3.0
	SY729OEM	91501	A	11810	M16	**1.80**	10	1	3.0
	SY800GEM	91504	A	11810	M16	**2.20**	50	1	20.8
	SY800OEM	91503	A	11810	M16	**2.20**	50	1	19.0
	SY803GEM	91506	A	11810	M16	**3.35**	10	1	3.0
	SY803OEM	91505	A	11810	M16	**3.35**	10	1	3.0
	SY865EM	91509	A	11810	M16	**1.30**	250	1	23.0
	SY865GEM	91508	A	11810	M16	**1.30**	10	1	1.5
	SY865OEM	91507	A	11810	M16	**1.30**	10	1	1.5
@	**T1254-BK6**	18103	A	11230	B15	**28.90**	5	1	8.5
@	**T1254GF25**	18107	A	11230	F3	**62.50**	5	1	5.2
@	**T1254-GF6**	18100	A	11230	F3	**49.90**	5	1	10.0
@	**T1254-I6**	18105	A	11230	B15	**28.90**	5	1	7.5
@	**T1254-SI6**	18104	A	11230	F7	**45.35**	5	1	8.3
@	**T1254-SI6A**	19100	A	11230		**45.35**	5	1	8.3
@	**T1254-Y6**	18102	A	11230	B15	**28.05**	5	1	8.4

CATALOG NUMBER	NAED UPC Code 1788-	Inventory Class	Product Group	BDB 1507 Page	Dist. Cost/Ea. Standard Package Qty.	Std. Pkg.	Carton	Std Pkg. Weight (lbs.)

@ Contract pricing does not apply. • Not a stock item, consult factory for information and delivery. ▲ To be announced
# Sold in standard package quantity only. ☐ To be discontinued as soon as existing stocks are exhausted.

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Hoyt-Northwest (Corporate)
1624 SW Grand Ave.
Portland, OR 97214
P:503-234-8000
F:503-235-5064

ARIZONA
Markos, Inc.
3517 E. Indian School Road
Phoenix, AZ 85018
P:602-522-2500
F:602-522-2501

ARKANSAS
Stone Sales Agency, Inc.
350 Salem Road
Suite #7A
Conway, AR 72032
P:501-327-1185
F:501-327-1492

CALIFORNIA
Empire Electrical Sales, Inc.
8581 23rd Avenue
Sacramento, CA 95826
P:916-383-1399
F:916-383-1590

COLORADO
Sunbelt Electrical Sales, Inc.
2195 So. Raritan Street
Englewood, CO 80110
P:303-922-1199
F:303-922-1144

CONNECTICUT
Northeast Marketing Group LLC
8 Fairfield Blvd.
Wallingford, CT 06492
P:203-265-0012
F:203-269-6224

DELAWARE
Sussex County:
Paul Bloom Associates, Inc.
Maryland Office

Rest of State:
Current Electrical Sales, Inc.
Pennsylvania Office

DISTRICT OF COLUMBIA
Paul Bloom Associates, Inc.
Maryland Office

FLORIDA
Fox-Rowden-McBrayer, Inc.
776 South Military Trail,
Suite 776
Deerfield Beach, FL 33442
P:954-971-1800
F:954-971-3102

Fox-Rowden-McBrayer, Inc.
3214 Queen Palm Drive
Tampa, FL 33619
P:813-623-2681
F:813-623-3232

GEORGIA
Date & Catoosa Counties:
Lasley Sales Co., Inc.
Tennessee Office

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Fox-Rowden-McBrayer, Inc.
1458 Beaver Ruin Road
Norcross, GA 30093
P:770-923-3520
F:770-923-3889

HAWAII
Pacific Rim Connections
2130 N. King Street
Suite D25
Honolulu, HI 96819
P:808-847-0007
F:808-848-6789

IDAHO
Pocatello Area:
Stevens Sales Company
Utah Office

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Robert A. Amey Company
Oregon Office

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Vector Electrical Sales
Missouri Office

Northwest River Cities:
R/B Sales Corporation
Iowa Office

Rest of State:
MS2, Inc.
205 West Grand Avenue
Suite 124
Bensenville, IL 30106
P:630-238-9918
F:630-238-9978

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New Century Sales
7966 Zionsville Road
Indianapolis, IN 46268-1649
P:317-334-9697
F:317-334-9676

IOWA
R/B Sales Corporation
645 51st Street
Marion, IA 52302
P:319-373-8877
F:319-373-8844

KANSAS
George Pearson Company
3520 W. 75th Street
P. O. Box 8132
Prairie Village, KS 66208
P:913-362-4442
F:913-362-3031

KENTUCKY
Northeastern area:
Riffle & Associates, Inc.
Cincinnati, Ohio office

Rest of State:
A. L. Pickens Co., Inc.
2500 Data Drive
Bluegrass Industrial Park
Jefferson, KY 40299
P:502-491-4215
F:502-491-3040

LOUISIANA
Schell Co., Inc.
108 Teal Street
St. Rose, LA 70087
P:504-620-2000
F:504-620-5000

MAINE
Northeast Marketing Group
960 Turnpike Street, Suite 1D
Canton, MA 02021
P:781-821-9606
F:781-821-9616

MARYLAND
Garrett & Allegheny County:
GEMCO Sales, Inc.
Pennsylvania Office

Cecil County:
Current Electrical Sales, Inc.
Pennsylvania Office

Rest of State:
Paul Bloom Associates, Inc.
4127 Amos Avenue
Baltimore, MD 21215
P:410-764-2900
F:410-764-1701

MASSACHUSETTS
Northeast Marketing Group
960 Turnpike Street, Suite 1D
Canton MA 02021
P:781-821-9606
F:781-821-9616

MICHIGAN
Impact Electrical Sales, Inc.
3317 Old U.S. 23
Brighton, MI 48116
P:810-229-8250
F:810-229-8137

Impact-West
c/o Spectrum Electrical
Sales Co.
975 3 Mile Rd NW
Grand Rapids, MI 49544
P:616-785-4114
F:616-785-0715

MINNESOTA
LESCO, Inc.
2907 Louisiana Ave., No.
Minneapolis, MN 55427
P:763-542-8242
F:763-542-9309

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Northern Third of State:
Lasley Sales Company, Inc.
Tennessee Office

Southern Two-Thirds of State:
Schell Co., Inc.
Louisiana Office

MISSOURI
Western Area:
George Pearson Company
Kansas Office

Rest of State:
Vector Electrical Sales
50 Portwest Court
St. Charles, MO 63303
P:636-949-5925
F:636-949-5926

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Oregon Office

NEBRASKA
Panhandle:
Sunbelt Electrical Sales
Colorado Office

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R/B Sales Corporation
Iowa Office

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Las Vegas Area:
Markos
Arizona Office

Rest of State:
Empire Electrical Sales, Inc.
California Office

NEW HAMPSHIRE
Northeast Marketing Group
960 Turnpike Street, Suite 1D
Canton, MA 02021
P:781-821-9606
F:781-821-9616

NEW JERSEY
Trenton & South:
Current Electrical Sales, Inc.
Pennsylvania Office

Rest of State:
TGS Div. Of Thea Enterprises
232 Entin Road
Clifton, NJ 07014
P:201-882-8822
F:201-882-8811

NEW MEXICO
Sunbelt Electrical Sales, Inc.
2195 So. Raritan Street
Englewood, CO 80110
P:303-922-1199
F:303-922-1144

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New York City & Southeast:
TGS Div. Of Thea Enterprises
New Jersey Office

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6751 Kinne Street
E. Syracuse, NY 13057
P:315-437-7227
F:315-437-3480

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1133 Pressley Road (28217)
Charlotte, NC 28217
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F:704-527-5514

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LESCO, Inc.
Minnesota Office

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Lawrence, Harrison, Belmont &
Jefferson Counties:
GEMCO Sales, Inc.
Pennsylvania Office

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(Cleveland)
16760 W. Park Circle Drive
Chagrin Falls, OH 44023
P:440-543-8257
F:440-543-7236

Riffle & Associates, Inc.
(Cincinnati)
2671 Crescentville Road
Cincinnati, OH 45241
P:513-771-0002
F:513-771-0011

OKLAHOMA
Electrical Products Marketing
Houston, Texas Office

OREGON
Robert A. Amey Company
14300 NW Science Park Drive
Portland, OR 97229
P:503-646-7196
F:503-626-8596

PENNSYLVANIA
Western Half of State:
GEMCO Sales, Inc.
3150 Smallman Street
Pittsburgh, PA 15201
P:412-562-9300
F:412-562-9028

Eastern Half
Current Electrical Sales, Inc.
1027 South Route 100
Suite 4
Trexlertown, PA 18087
P:610-706-0160
F:610-706-0161

RHODE ISLAND
Northeast Marketing Group
960 Turnpike Street, Suite 1D
Canton, MA 02021
P:781-821-9606
F:781-821-9616

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Fox-Rowden-McBrayer, Inc.
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Charlotte, NC 28217
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F:704-527-5514

SOUTH DAKOTA
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Minnesota Office

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Lasley Sales Co., Inc.
60 Industrial Park Drive
Suite 1
Hendersonville, TN 37075
P:615-822-7773
F:615-822-7780

Western:
Metro Electrical Sales
4765 Aloha Avenue
Memphis, TN 38118
P:901-794-0391
F:901-794-4486

TEXAS
Electrical Products Marketing
600 Kenrick, Suite E16
Houston, TX 77060
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F:281-999-1166

El Paso area:
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3517 E. Indian School Road
Phoenix, AZ 85018
P:602-522-2500
F:602-522-2501

UTAH
Stevens Sales Company
268 W. 1530 South
Salt Lake City, UT 84165-0596
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F:801-487-5213

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Northeast Marketing Group
960 Turnpike Street, Suite 1D
Canton, MA 02021
P:781-821-9606
F:781-821-9616

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DC area:
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Maryland Office

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Lasley Sales Co., Inc.
Tennessee Office

Rest of State
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North Carolina Office

WASHINGTON
Hoyt-Northwest (Corporate)
1145 Andover Park West, #C
Seattle, WA 98188
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F:206-575-8091

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LESCO, Inc.
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Lawless Electric Sales
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Menomonee Falls, WI 53051
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F:414-251-9072

WYOMING
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Oregon Office

Rock Springs & Evanston areas:
Stevens Sales Company
Utah Office

Rest of State:
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PUERTO RICO
Glenn International
Julio N Matos Street, Bldg. 12
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F:787-769-1851

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BRYANT ELECTRIC
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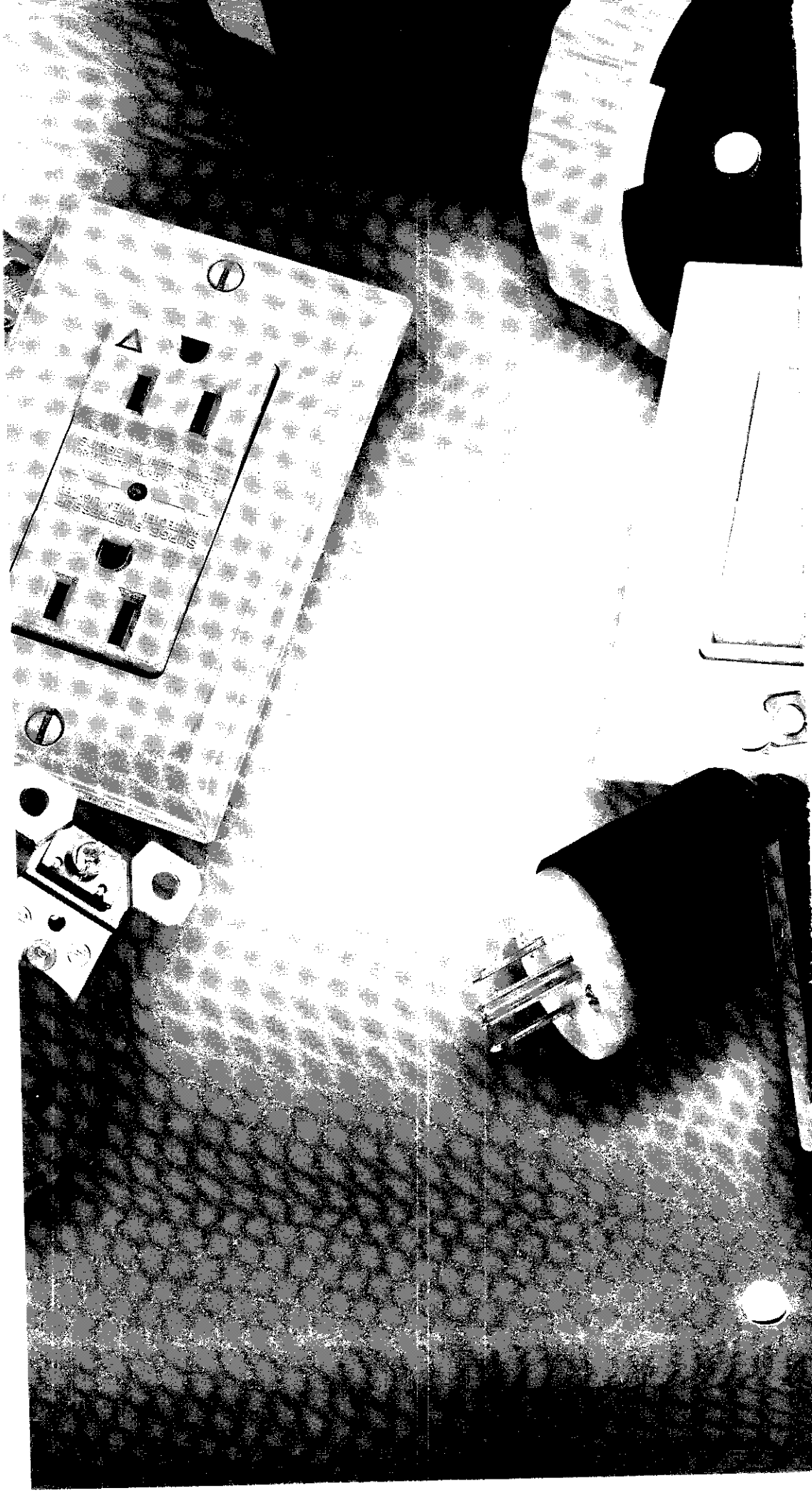

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Hubbell Wiring Systems
Hubbell Incorporated (Delaware)
Milford, CT 06460-2465

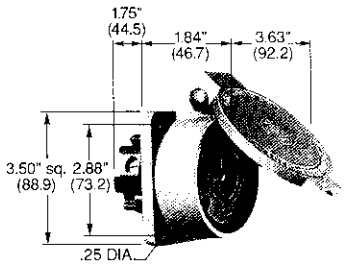
BPL-1133D GI Printed in U.S.A. 7M 4/01

HUBBELLOCK® Devices

3 Pole, 4 Wire Grounding

60 Ampere, 600 Volts AC

Receptacles, Plug, Connector Body and Flanged Devices



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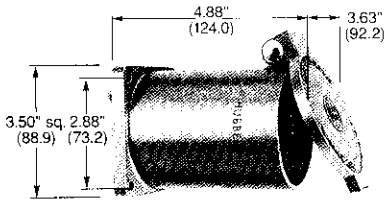

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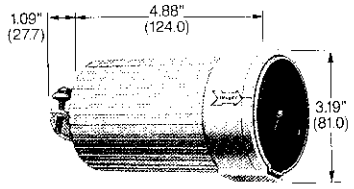

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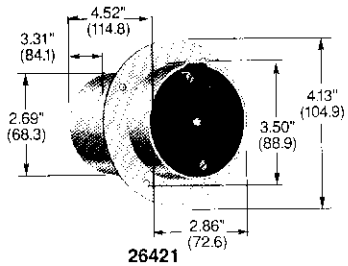

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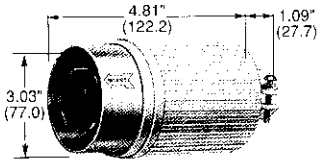

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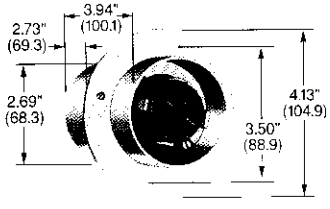

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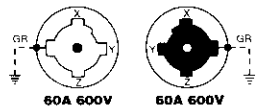
IP30 SUITABILITY



Receptacles

Description		Catalog Numbers	
Black phenolic with short aluminum housing and lift cover.	IP44 SUITABILITY	26410	–
Black phenolic with long aluminum housing and lift cover.	IP44 SUITABILITY	26420	–

Connector Body

Description	Catalog Numbers	
Black phenolic with yellow thermoplastic sleeve over steel cover.	26418	–

Note: Cord clamp range .875 to 1.480" (22.2 to 37.6)

Flanged Receptacle

Description	Catalog Numbers	
Black phenolic with steel housing and flange. IP44 SUITABILITY	26421	–

Plug

Description	Catalog Numbers	
Black phenolic with yellow thermoplastic sleeve over steel cover.	–	26419

Note: Cord clamp range .875 to 1.480" (22.2 to 37.6)

Flanged Inlet

Description	Catalog Numbers	
Black phenolic with steel housing and flange.	–	26422

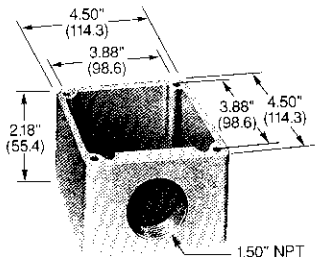
Box and Adapter Plates

Description	Catalog Numbers
Box, cast aluminum, only for 60A Hubbellock receptacles.	26401
Straight adapter plate.	26402
45°.	26404

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to 26401 box

Kellems® Cable Grip

Description	Cable Range	Catalog Numbers
Cable grip. (Not shown)	.83 to 1.00" (21.1 to 25.4)	H660A



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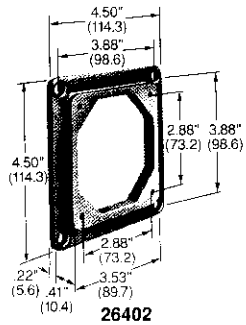

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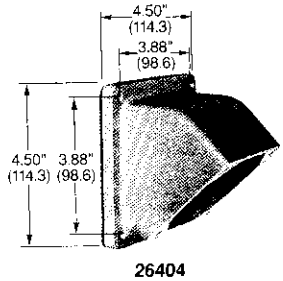

26404

CATALOG NOS.
HBL2616F-HBL26420

DISTRIBUTOR COST SHEET

EFFECTIVE DATE: JANUARY 26, 1998

SUPERSEDED DATE: JANUARY 26, 1997

HUBBELL
Wiring Device-Kellems

UPC VENDOR ID 783585

SELL x 1.25

UPC Item No.	Catalog No.	Cost	Price UM	Min. Qty.	QM	Pkg. Level Indicator UPC A or O	3	5	WT. per Ea.	Catalog No. 2000 Page No.	Matrix Code	Symbol
03882	**HBL2616F**	**23.30**	EA	1	EA	1	10	20	0.26	B28	C	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2616F											
23599	**HBL2620**	**16.70**	EA	1	EA	1	10	30	0.285	B28	A	M N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2620A											
23600	**HBL2620CN**	**16.70**	EA	1	EA	1	10	30	0.285	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2620ACN											
23432	**HBL2620AR**	**16.70**	EA	1	EA	1	10		0.735	B30	A	N
23434	**HBL2620SR**	**16.70**	EA	1	EA	1	10		0.5	B30	A	N
23436	**HBL2620SR2**	**16.70**	EA	1	EA	1	5		0.68	B30	A	N
23166	**HBL2620SW**	**35.00**	EA	1	EA	1	5		0.6	B29	A	N
03883	**HBL2621**	**13.40**	EA	1	EA	1	10	30	0.28	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2621											
03884	**HBL2621CN**	**13.40**	EA	1	EA	1	10	30	0.28	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2621CN											
03885	**HBL2621F**	**16.20**	EA	1	EA	1	10	30	0.28	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2621F											
23438	**HBL2621S**	**13.40**	EA	1	EA	1	10		0.41	B30	A	N
23168	**HBL2621SW**	**38.10**	EA	1	EA	1	10		0.64	B29	A	N
04316	**HBL2621VBK**	**9.40**	EA	1	EA	1	10	30	.28		A	N
23602	**HBL2621VY**	**9.10**	EA	1	EA	1	10	30	0.21	B32	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2621VY											
03886	**HBL2623**	**26.70**	EA	1	EA	1	10	30	0.33	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2623											
03887	**HBL2623CN**	**26.70**	EA	1	EA	1	10	30	0.33	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2623CN											
03888	**HBL2623F**	**31.90**	EA	1	EA	1	10	30	0.33	B28	C	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2623F											
23170	**HBL2623SW**	**39.10**	EA	1	EA	1	10		0.665	B29	A	N
04318	**HBL2623VBK**	**18.60**	EA	1	EA	1	10	30	.33		A	N
3604	**HBL2623VY**	**18.70**	EA	1	EA	1	10	30	0.25	B32	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2623VY											
03889	**HBL2625**	**16.90**	EA	1	EA	1	10	20	0.204	B28	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2625											
03890	**HBL2625CN**	**16.90**	EA	1	EA	1	10	20	0.204	B28	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2625CN											
03891	**HBL2625F**	**19.50**	EA	1	EA	1	10	20	0.204	B28	C	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2625F											
23172	**HBL2625SW**	**38.10**	EA	1	EA	1	5		0.63	B29	B	N
03893	**HBL2626**	**20.45**	EA	1	EA	1	10	30	0.26	B28	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2626											
03894	**HBL2626CN**	**20.45**	EA	1	EA	1	10	20	0.26	B28	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2626CN											
03895	**HBL2626F**	**23.30**	EA	1	EA	1	10	20	0.26	B28	C	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2626F											
23605	**HBL2630**	**16.70**	EA	1	EA	1	10	30	0.285	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2630A											
03896	**HBL2631**	**13.10**	EA	1	EA	1	10	30	0.28	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2631											
03897	**HBL2633**	**26.70**	EA	1	EA	1	10	30	0.33	B28	A	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2633											
03898	**HBL2635**	**16.90**	EA	1	EA	1	10	20	0.204	B28	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2635											
03899	**HBL2636**	**20.45**	EA	1	EA	1	10	20	0.26	B28	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2636											
23606	**HBL2640**	**17.20**	EA	1	EA	1	10	30	0.285	B31	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2640A											
01725	**HBL26401**	**54.50**	EA	1	EA	1					A	
01734	**HBL26402**	**41.00**	EA	1	EA	1					A	
01735	**HBL26404**	**64.00**	EA	1	EA	1					A	
03900	**HBL2641**	**13.60**	EA	1	EA	1	10	30	0.28	B31	B	N
	AVAILABLE 5/1/98 - REPLACES CATALOG NUMBER 2641											
01730	**HBL26410**	**148.85**	EA	1	EA	1	5				A	
1	**HBL26418**	**158.10**	EA	1	EA	1	5				A	
2	**HBL26419**	**131.90**	EA	1	EA	1	5				A	
01749	**HBL26420**	**188.40**	EA	1	EA	1	5				A	

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M - MASTER QUANTITY PACKAGE WILL NOT BE BROKEN

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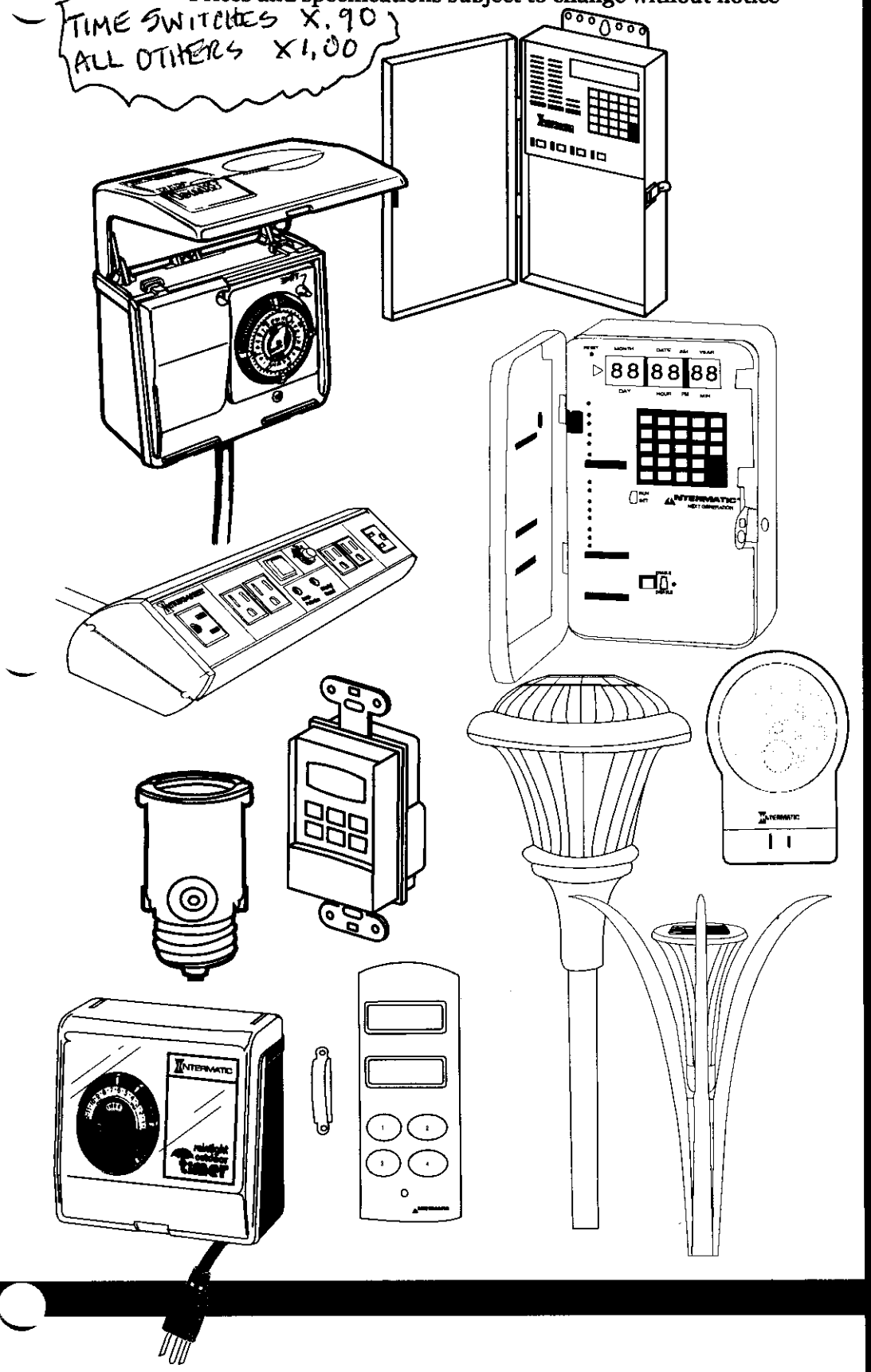

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DISTRIBUTOR CONFIDENTIAL PRICE LIST

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ENERGY CONTROL PRODUCTS

	MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	TRADE	DIST
	156EB1945A	Trippers 2 Sets (ON / OFF) For E1020, E1022, EB11 and EB11R	1	0.1	-	00212 8	2.56	1.66	1.28
	24EB5495	Replacement Plate Only For E1120	1	0.1	-	07193 3	1.29	0.84	0.64
	24EB5497	Replacement Plate Only For E1220	1	0.1	-	07194 0	2.03	1.32	1.01
	24EB5524	Replacement Plate Only For E1221	1	0.1	-	07195 7	2.35	1.53	1.18
	24EB5526	Replacement Plate only For E1222	1	0.1	-	07196 4	2.67	1.74	1.34
	E1010	120 V SPST Single Gang 1 ON/OFF w/Captive Trippers	6	7.5	AE	44000 5	38.97	25.33	19.48
	E1010C	Clamshell Pack 120 V SPST Single Gang 1 ON/OFF w/Captive Trippers	6	7.5	AF	00410 8	38.97	25.33	19.48
	E1012	120 V SPST Single Gang 1 ON/OFF w/ Switched Receptacle	6	7.6	AE	44200 9	42.79	27.81	21.39
	E1012C	Clamshell Pack 120 V SPST Single Gang 1 ON/OFF w/ Switched Receptacle	6	7.6	AF	00412 2	42.79	27.81	21.39
	E1020	120 V SPST Single Gang Multiple ON/OFF's w/Removable Trippers	6	7.5	AE	44020 3	40.80	26.52	20.40
	E1020C	Clamshell Pack 120 V SPST Single Gang Multiple ON/OFF's w/Removable Trippers	6	7.5	AF	00420 7	40.80	26.52	20.40
	E1020M26	Timer - 24 Hr. for A-J Code Units (120 V, 60 Hz.)	36	20.8	FN	05373 1	40.50	26.32	20.25
	E1022	120 V SPST Single Gang Multiple ON/OFF's w/ Switched Receptalce	6	7.6	AE	44022 7	44.62	29.00	22.31
	E1022C	Clamshell Pack 120 V SPST Single Gang Multiple ON/OFF's w/ Switched Receptacle	6	7.6	AF	00422 1	44.62	29.00	22.31
	E1120	125 V SPST Compact Timer w/Single Gang White Metal Switch Plate	6	7.2	Z	06212 2	41.98	27.29	20.99
	E1220	125 V SPST Compact Timer w/2 Gang Timer and Toggle Switch Plate	6	7.4	AH	06213 9	45.85	29.80	22.93
	E1221	125 V SPST Compact Timer w/2 Gang Timer and Rocker / GFCI Switch Plate	6	7.4	AH	06431 7	45.85	29.80	22.93
	E1222	125 V SPST Dual Timer w/2 Gang Cover Plate	6	8.8	AH	06430 0	80.94	52.61	40.47
	EI TIMERS - IN WALL ELECTRONIC TIMERS AND ACCESSORIES								
	156EF3360A	Lockout Plate For EI15MH	1	0.1	-	80004 5	2.83	1.84	1.41
	EI15MH	Indoor - 500 Watt 120 V 15 Minute Interval	12	6.0	AD	44417 1	36.95	24.02	18.47
	EI20C	In-Wall Digital 7 Day Programmable Timer 20 Amp 24-277 Volt-White	12	6.2	ES	07289 3	62.35	40.53	31.17
NEW	EI40C	White Electronic Automatic Shut-Off Timer 1 Second to 24 Hours	12	6.2	ES	07601 3	48.95	31.82	24.48
NEW	EI40AC	Almond Electronic Automatic Shut-Off Timer 1 Second to 24 Hours	12	6.2	ES	07917 5	48.95	31.82	24.48
	EH/EP TIMERS - WATER HEATER/NEMA 3R TIME SWITCHES								
	EH10	NEMA 1 - 120 V (50/60 Hz.) SPST w/ External Load Indicator And Load Override	6	21.0	Q	04289 6	93.22	60.59	46.61
	EH40	NEMA 1 - 240 V (50/60 Hz.) DPST w/ External Load Indicator And Load Override	6	21.0	Q	04290 2	109.69	71.30	54.84
	EP101CM	Mechanism 120 V (60 Hz) SPST	1	3.0	X	05630 5	90.48	58.81	45.24
	EP101CP3	NEMA 3R Biege Plastic Case 120 V (60 Hz) SPST	6	19.8	C	05628 2	106.08	68.95	53.04
	EP104CM	Mechanism 240 V (60 Hz) DPST	1	3.0	X	05631 2	116.48	75.71	58.24
	EP104CP3	NEMA 3R Biege Plastic Case 240 V (60 Hz) DPST	6	19.8	C	05629 9	132.08	85.85	66.04
	ET TIMERS - ELECTRONIC TIME SWITCHES AND ACCESSORIES								
	101ET945A	Battery Cover for ET100C, ET170C and EH Series and Model ET279C	1	0.1	-	N/A	3.90	2.54	1.95
	133ET1188A	Logic Module only for ET70115C, ET70115CR and ET70115CR24	1	2.0	-	07182 7	286.75	186.39	143.37
	133ET1189A	Power Board only for ET70115C and ET70115CR	1	2.0	-	07183 4	115.93	75.35	57.96
	133ET1190A	Logic Module only for ET70215C, ET70215CR and ET70215CR24	1	2.0	-	07184 1	339.28	220.53	169.64
	133ET1191A	Power Board only for ET70215C and ET70215CR	1	2.0	-	07185 8	155.75	101.24	77.88
	133ET1192A	Power Board only for ET70415CR	1	3.0	-	07186 5	383.20	249.08	191.60
	133ET1193A	Logic Module only for ET70415CR and ET70415CR24	1	3.0	-	07187 2	631.42	410.42	315.71
	133ET1199A	Logic Module only for ET71615CR and ET71615CR24	1	4.0	-	07188 9	1439.04	935.37	719.52
	133ET1200A	Logic Module only for ET70815CR and ET70815CR24	1	5.0	-	07189 8	1095.56	712.11	547.78
	156ET3905A	(4) "AA" NiCad Rechargeable Batteries For ET700C and ET800CR Series	1	0.1	-	70064 2	27.40	17.81	13.70
	156ET4159A	(2) Lithium Coin Cells For ET7415C and ET70000C / ET70000CR Series	1	0.1	-	44423 2	26.50	17.22	13.25
	156ET9402A	NEMA 3R - 8 Circuit Remote Override For ET70815CR & ET70815CR24	1	2.5	U	06075 3	239.14	155.44	119.57
	156ET9403A	NEMA 3R - 16 Circuit Remote Override For ET71615CR & ET71615CR24	1	2.5	U	06076 0	297.43	193.33	148.71
	156ET9748A	Voltage and Momentary Output Selector Jumpers for ET Series and CT1000	2	0.1	-	07190 2	3.23	2.10	1.62
	176ET10A	Surge Suppressor - For Switching Inductive 240 Volt Nominal Loads	1	0.1	-	44414 0	16.67	10.84	8.34
	176ET22A	Surge Suppressor - For Switching Inductive 277 Volt Nominal Loads	1	0.1	-	70073 4	19.44	12.63	9.72
	176ET8A	Surge Suppressor - For Switching Inductive 24 Volt Nominal Loads	1	0.1	-	44412 6	7.63	4.96	3.82
	176ET9A	Surge Suppressor - For Switching Inductive 120 Volt Nominal Loads	1	0.1	-	44413 3	8.08	5.25	4.04
	177ET144A	Photo Sensor only for ET716CK	1	0.1	-	N/A	7.38	4.62	3.55
	188ET1045A	Power Board only for ET70815CR	1	5.0	-	07191 9	673.50	437.78	336.75
	188ET1049A	Power Board only for ET71615CR	1	6.0	-	07192 6	1234.64	802.51	617.32
	6ET1398GA	Flush Mount Cover w/ Lock For ET70000C / ET70000CR Series and T7000 Series	1	2.0	Y	44424 9	76.07	49.44	38.03
	ET100C	NEMA 1 - 120 V (50/60 Hz.) SPST	6	19.8	W	44300 6	93.48	60.76	46.74
	ET100CM	Mechanism - 120 V (50/60 Hz.) SPST 120 V Switching	1	3.0	X	00390 3	89.87	58.41	44.93
	ET101C	NEMA 1 - 120 V (50/60 Hz.) SPST	6	19.8	W	44301 3	142.40	92.56	71.20
	ET102C	NEMA 1 - 120-277 V (50/60 Hz.) SPST	6	19.8	W	00225 8	151.07	98.20	75.54
	ET103C	NEMA 1 - 120 V (50/60 Hz.) DPST	6	19.8	W	44303 7	156.67	101.83	78.33
	ET104C	NEMA 1 - 120-277 V (50/60 Hz.) DPST	6	19.8	W	00226 5	165.95	107.87	82.98
	ET104CM	Mechanism - 120-277 V (50/60 Hz.) DPST	1	3.0	X	00394 1	162.33	105.52	81.17
	ET171C	NEMA 1 - 120 V (50/60 Hz.) SPST	6	19.8	W	44304 4	197.08	128.10	98.54
	ET173C	NEMA 1 - 120 V (50/60 Hz.) DPST	6	19.8	W	44306 8	211.35	137.38	105.67
	ET174C	NEMA 1 - 240 V (50/60 Hz.) DPST	6	19.8	W	02580 6	219.92	142.95	109.96
	ET279C	NEMA 1 - 120 V (50/60 Hz.) SPST 2 Circuit w/ 1 to 8 Second Momentary Output	6	19.8	W	00299 9	269.20	174.98	134.60
	ET70115C	NEMA 1 - 120 To 277 V SPDT w/Momentary and Astro Programming 1 Circuit	6	25.2	R	02378 9	373.30	242.64	186.65
	ET70115CR	NEMA 3R - 120 To 277 V SPDT w/Momentary and Astro Programming 1 Circuit	6	25.2	B	05313 7	404.92	263.20	202.46
	ET70115CR24	NEMA 3R - 24 V SPDT w/Momentary and Astro Programming 1 Circuit	6	25.2	B	06177 4	404.92	263.20	202.46
	ET70215C	NEMA 1 - 120 To 277 V SPDT w/Momentary and Astro Programming 2 Circuit	6	25.2	R	02380 2	458.93	298.31	229.47
	ET70215CR	NEMA 3R - 120 To 277 V SPDT w/Momentary and Astro Programming 2 Circuit	6	25.2	B	05314 4	490.56	318.86	245.28
	ET70215CR24	NEMA 3R - 24 V SPDT w/Momentary and Astro Programming 2 Circuit	6	25.2	B	06179 8	490.56	318.86	245.28
	ET70415CR	NEMA 3R - 120 To 277 V SPDT w/Momentary and Astro Programming 4 Circuit	1	6.2	O	05020 4	949.71	617.31	474.85
	ET70415CR24	NEMA 3R - 24 V SPDT w/Momentary and Astro Programming 4 Circuit	1	6.2	O	06178 1	949.71	617.31	474.85

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
ET TIMERS - ELECTRONIC TIME SWITCHES AND ACCESSORIES (cont'd.)								
ET70815CR	NEMA 3R - 120 To 277 V SPDT w/Momentary and Astro Programming 8 Circuit	1	12.5	M	05163 8	1640.31	1066.20	820.15
ET70815CR24	NEMA 3R - 24 V SPDT w/Momentary and Astro Programming 8 Circuit	1	12.5	M	06180 4	1640.31	1066.20	820.15
ET715C	NEMA 1 - 120 V SPDT	6	18.0	R	44408 9	314.94	204.71	157.47
ET71615CR	NEMA 3R - 120 To 277 V SPDT w/Momentary and Astro Programming 16 Circuit	1	25.0	T	05145 4	2479.12	1611.43	1239.56
ET71615CR24	NEMA 3R - 24 V SPDT w/Momentary and Astro Programming 16 Circuit	1	25.0	T	06181 1	2479.12	1611.43	1239.56
ET716CK	NEMA 1 - 120 V DPDT w/ Photo Sensor For Outdoor Lighting Control	6	18.0	R	70105 2	319.78	207.86	159.89
ET718C	NEMA 1 - 120 V 4PDT	6	18.0	R	44409 6	343.81	223.48	171.91
ET728C	NEMA 1 - 120 V 4PDT w/ Soft Start	6	18.0	R	44410 2	394.26	256.27	197.13
ET728CM	Mechanism - 120 V 4PDT w/ Soft Start	6	12.0	X	80002 1	389.49	253.17	194.75
ET799C	NEMA 1 - 120 V DPST "ON Pulse" and DPST "OFF Pulse" Contacts (2 To 8 Sec.)	1	18.0	R	70056 7	379.88	246.92	189.94
FD TIMERS - DECORATOR SPRING WOUND TIMERS AND ACCESSORIES								
146MT492A	Ivory Knob For FD Series	1	0.1	-	60084 3	0.99	0.64	0.49
146MT494A	White Knob For FD Series	1	0.1	-	60085 0	0.99	0.64	0.49
FD12H	12 Hour 125-277 V SPST Ivory	6	0.5	Z	18572 2	31.41	20.41	15.70
FD12HAC	Clamshell Packaging 12 Hour 125-277 V SPST **Almond**	6	0.5	AA	07295 4	31.41	20.41	15.70
FD12HC	Clamshell Packaging 12 Hour 125-277 V SPST Ivory	6	0.5	AA	00507 5	31.41	20.41	15.70
FD12HH	12 Hour 125-277 V SPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18570 8	31.41	20.41	15.70
FD12HHP	Ivory Plastic Time Dial Only For 12 Hour Timer w/Hold	1	0.1	AB	11005 2	3.17	2.06	1.59
FD12HHPW	White Plastic Time Dial Only For 12 Hour Timer w/Hold	1	0.1	AB	11006 9	3.17	2.06	1.59
FD12HHW	12 Hour 125-277 V SPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18571 5	31.41	20.41	15.70
FD12HP	Ivory Plastic Time Dial Only For 12 Hour Timer	1	0.1	AB	11007 6	3.17	2.06	1.59
FD12HPW	White Plastic Time Dial Only For 12 Hour Timer	1	0.1	AB	11008 3	3.17	2.06	1.59
FD12HW	12 Hour 125-277 V SPST White	6	0.5	Z	18753 5	31.41	20.41	15.70
FD12HWC	Clamshell Packaging 12 Hour 125-277 V SPST White	6	0.5	AA	00508 2	31.41	20.41	15.70
FD15M	15 Minute 125-277 V SPST Ivory	6	0.5	Z	18556 2	26.60	17.29	13.30
FD15MAC	Clamshell Packaging 15 Minute 125-277 V SPST **Almond**	6	0.5	AA	07291-6	26.60	17.29	13.30
FD15MC	Clamshell Packaging 15 Minute 125-277 V SPST Ivory	6	0.5	AA	00501 3	26.60	17.29	13.30
FD15MH	15 Minute 125-277 V SPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18554 8	26.60	17.29	13.30
FD15MHW	15 Minute 125-277 V SPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18555 5	26.60	17.29	13.30
FD15MP	Ivory Plastic Time Dial Only For 15 Minute Timer	1	0.1	AB	11009 0	3.17	2.06	1.59
FD15MPW	White Plastic Time Dial Only For 15 Minute Timer	1	0.1	AB	11010 6	3.17	2.06	1.59
FD15MW	15 Minute 125-277 V SPST White	6	0.5	Z	18557 9	26.60	17.29	13.30
FD15MWC	Clamshell Packaging 15 Minute 125-277 V SPST White	6	0.5	AA	00502 0	26.60	17.29	13.30
FD2H	**2 Hour** 120-277 V **SPST** Ivory	6	0.5	Z	07399 9	31.41	20.41	15.70
FD2HW	**2 Hour** 120-277 V **SPST** White	6	0.5	Z	07397 5	31.41	20.41	15.70
FD30M	30 Minute 125-277 V SPST Ivory	6	0.5	Z	18560 9	26.60	17.29	13.30
FD30MAC	Clamshell Packaging 30 Minute 125-277 V SPST **Almond**	6	0.5	AA	07292-3	26.60	17.29	13.30
FD30MC	Clamshell Packaging 30 Minute 125-277 V SPST Ivory	6	0.5	AA	00503 7	26.60	17.29	13.30
FD30MH	30 Minute 125-277 V SPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18558 6	26.60	17.29	13.30
FD30MHW	30 Minute 125-277 V SPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18559 3	26.60	17.29	13.30
FD30MP	Ivory Plastic Time Dial Only For 30 Minute Timer	1	0.1	AB	11012 0	3.17	2.06	1.59
FD30MPW	White Plastic Time Dial Only For 30 Minute Timer	1	0.1	AB	11013 7	3.17	2.06	1.59
FD30MW	30 Minute 125-277 V SPST White	6	0.5	Z	18561 6	26.60	17.29	13.30
FD30MWC	Clamshell Packaging 30 Minute 125-277 V SPST White	6	0.5	AA	00504 4	26.60	17.29	13.30
FD312H	12 Hour 125-277 V SPDT Ivory	6	0.5	Z	18588 3	47.56	30.92	23.78
FD312HH	12 Hour 125-277 V SPDT Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18586 9	47.56	30.92	23.78
FD312HHP	Ivory Plastic Time Dial Only For 12 Hour Timer w/Hold	1	0.1	AB	05895 8	3.17	2.06	1.59
FD312HHPW	White Plastic Time Dial Only For 12 Hour Timer w/Hold	1	0.1	AB	05896 5	3.17	2.06	1.59
FD312HHW	12 Hour 125-277 V SPDT White **w/ Hold** For Continuous Duty	6	0.5	Z	18587 6	47.56	30.92	23.78
FD312HP	Ivory Plastic Time Dial Only For 12 Hour Timer	1	0.1	AB	05891 0	3.17	2.06	1.59
FD312HPW	White Plastic Time Dial Only For 12 Hour Timer	1	0.1	AB	05892 7	3.17	2.06	1.59
FD312HW	12 Hour 125-277 V SPDT White	6	0.5	Z	18589 0	47.56	30.92	23.78
FD32H	2 Hour 125-277 V SPDT Ivory	6	0.5	Z	18576 0	47.56	30.92	23.78
FD32HH	2 Hour 125-277 V SPDT Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18574 6	47.56	30.92	23.78
FD32HHW	2 Hour 125-277 V SPDT White **w/ Hold** For Continuous Duty	6	0.5	Z	18575 3	47.56	30.92	23.78
FD32HW	2 Hour 125-277 V SPDT White	6	0.5	Z	18577 7	47.56	30.92	23.78
FD34H	4 Hour 125-277 V SPDT Ivory	6	0.5	Z	18580 7	47.56	30.92	23.78
FD34HH	4 Hour 125-277 V SPDT Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18578 4	47.56	30.92	23.78
FD34HHW	4 Hour 125-277 V SPDT White **w/ Hold** For Continuous Duty	6	0.5	Z	18579 1	47.56	30.92	23.78
FD34HW	4 Hour 125-277 V SPDT White	6	0.5	Z	18581 4	47.56	30.92	23.78
FD36H	6 Hour 125-277 V SPDT Ivory	6	0.5	Z	18584 5	47.56	30.92	23.78
FD36HH	6 Hour 125-277 V SPDT Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18582 1	47.56	30.92	23.78
FD36HHP	Ivory Plastic Time Dial Only For 6 Hour Timer w/Hold	1	0.1	AB	05887 3	3.17	2.06	1.59
FD36HHPW	White Plastic Time Dial Only For 6 Hour Timer w/Hold	1	0.1	AB	05888 0	3.17	2.06	1.59
FD36HHW	6 Hour 125-277 V SPDT White **w/ Hold** For Continuous Duty	6	0.5	Z	18583 8	47.56	30.92	23.78
FD36HP	Ivory Plastic Time Dial Only For 6 Hour Timer	1	0.1	AB	05883 5	3.17	2.06	1.59
FD36HPW	White Plastic Time Dial Only For 6 Hour Timer	1	0.1	AB	05884 2	3.17	2.06	1.59
FD36HW	6 Hour 125-277 V SPDT White	6	0.5	Z	18585 2	47.56	30.92	23.78
FD4H	**4 Hour** 120-277 V **SPST** Ivory	6	0.5	Z	07401 9	31.41	20.41	15.70
FD4HW	**4 Hour** 120-277 V **SPST** White	6	0.5	Z	07398 2	31.41	20.41	15.70
FD412H	12 Hour 125-277 V DPST Ivory	6	0.5	Z	18606 4	54.42	35.37	27.21
FD412HH	12 Hour 125-277 V DPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18607 1	54.42	35.37	27.21
FD412HHP	Ivory Plastic Time Dial Only For 12 Hour Timer w/Hold	1	0.1	AB	05897 2	3.17	2.06	1.59

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
FD TIMERS - DECORATOR SPRING WOUND TIMERS AND ACCESSORIES (cont'd.)								
FD412HHPW	White Plastic Time Dial Only For 12 Hour Timer w/Hold	1	0.1	AB	05898 9	3.17	2.06	1.59
FD412HHW	12 Hour 125-277 V DPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18611 8	54.42	35.37	27.21
FD412HP	Ivory Plastic Time Dial Only For 12 Hour Timer	1	0.1	AB	05893 4	3.17	2.06	1.59
FD412HPW	White Plastic Time Dial Only For 12 Hour Timer	1	0.1	AB	05894 1	3.17	2.06	1.59
FD412HW	12 Hour 125-277 V DPST White	6	0.5	Z	18610 1	54.42	35.37	27.21
FD415M	15 Minute 125-277 V DPST Ivory	6	0.5	Z	18598 2	54.42	35.37	27.21
FD415MP	Ivory Plastic Time Dial Only For 15 Minute Timer	1	0.1	AB	05875 0	3.17	2.06	1.59
FD415MPW	White Plastic Time Dial Only For 15 Minute Timer	1	0.1	AB	05876 7	3.17	2.06	1.59
FD415MW	15 Minute 125-277 V DPST White	6	0.5	Z	18601 9	54.42	35.37	27.21
FD430M	30 Minute 125-277 V DPST Ivory	6	0.5	Z	18599 9	54.42	35.37	27.21
FD430MP	Ivory Plastic Time Dial Only For 30 Minute Timer w/Hold	1	0.1	AB	05878 1	3.17	2.06	1.59
FD430MPW	White Plastic Time Dial Only For 30 Minute Timer w/Hold	1	0.1	AB	05879 8	3.17	2.06	1.59
FD430MW	30 Minute 125-277 V DPST White	6	0.5	Z	18602 6	54.42	35.37	27.21
FD460M	60 Minute 125-277 V DPST Ivory	6	0.5	Z	18600 2	54.42	35.37	27.21
FD460MP	Ivory Plastic Time Dial Only For 60 Minute Timer w/Hold	1	0.1	AB	05881 1	3.17	2.06	1.59
FD460MPW	White Plastic Time Dial Only For 60 Minute Timer w/Hold	1	0.1	AB	05882 8	3.17	2.06	1.59
FD460MW	60 Minute 125-277 V DPST White	6	0.5	Z	18603 3	54.42	35.37	27.21
FD46H	6 Hour 125-277 V DPST Ivory	6	0.5	Z	18604 0	54.42	35.37	27.21
FD46HH	6 Hour 125-277 V DPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18605 7	54.42	35.37	27.21
FD46HHP	Ivory Plastic Time Dial Only For 6 Hour Timer w/Hold	1	0.1	AB	05889 7	3.17	2.06	1.59
FD46HHW	6 Hour 125-277 V DPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18609 5	54.42	35.37	27.21
FD46HP	Ivory Plastic Time Dial Only For 6 Hour Timer	1	0.1	AB	05885 9	3.17	2.06	1.59
FD46HPW	White Plastic Time Dial Only For 6 Hour Timer	1	0.1	AB	05886 6	3.17	2.06	1.59
FD46HW	6 Hour 125-277 V DPST White	6	0.5	Z	18608 8	54.42	35.37	27.21
FD5M	5 Minute 120-277 V SPST Ivory	6	0.5	Z	18550 0	26.60	17.29	13.30
FD5MAC	Clamshell Packaging 5 Minute 125-277 V SPST **Almond**	6	0.5	AA	07290 9	26.60	17.29	13.30
FD5MH	5 Minute 125-277 V SPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18552 4	26.60	17.29	13.30
FD5MHW	5 Minute 125-277 V SPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18553 1	26.60	17.29	13.30
FD5MP	Ivory Plastic Time Dial Only For 5 Minute Timer	1	0.1	AB	11015 1	3.17	2.06	1.59
FD5MPW	White Plastic Time Dial Only For 5 Minute Timer	1	0.1	AB	11016 8	3.17	2.06	1.59
FD5MW	5 Minute 125-277 V SPST White	6	0.5	Z	18551 7	26.60	17.29	13.30
FD6HAC	Clamshell Packaging 6 Hour 125-277 V SPST **Almond**	6	0.5	AA	07294 7	31.41	20.41	15.70
FD60M	60 Minute 125-277 V SPST Ivory	6	0.5	Z	18564 7	26.60	17.29	13.30
FD60MAC	Clamshell Packaging 60 Minute 125-277 V SPST **Almond**	6	0.5	AA	07293 0	26.60	17.29	13.30
FD60MC	Clamshell Packaging 60 Minute 125-277 V SPST Ivory	6	0.5	AA	00505 1	26.60	17.29	13.30
FD60MH	60 Minute 125-277 V SPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18562 3	26.60	17.29	13.30
FD60MHP	Ivory Plastic Time Dial Only For 60 Minute Timer w/Hold	1	0.1	AB	11017 5	3.17	2.06	1.59
FD60MHPW	White Plastic Time Dial Only For 60 Minute Timer w/Hold	1	0.1	AB	11018 2	3.17	2.06	1.59
FD60MHW	60 Minute 125-277 V SPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18563 0	26.60	17.29	13.30
FD60MP	Ivory Plastic Time Dial Only For 60 Minute Timer	1	0.1	AB	11019 9	3.17	2.06	1.59
FD60MPW	White Plastic Time Dial Only For 60 Minute Timer	1	0.1	AB	11020 5	3.17	2.06	1.59
FD60MW	60 Minute 125-277 V SPST White	6	0.5	Z	18565 4	26.60	17.29	13.30
FD60MWC	Clamshell Packaging 60 Minute 125-277 V SPST White	6	0.5	AA	00506 8	26.60	17.29	13.30
FD6H	6 Hour 125-277 V SPST Ivory	6	0.5	Z	18568 5	31.41	20.41	15.70
FD6HH	6 Hour 125-277 V SPST Ivory **w/ Hold** For Continuous Duty	6	0.5	Z	18566 1	31.41	20.41	15.70
FD6HHPW	White Plastic Time Dial Only For 6 Hour Timer w/Hold	1	0.1	AB	11021 2	3.17	2.06	1.59
FD6HHW	6 Hour 125-277 V SPST White **w/ Hold** For Continuous Duty	6	0.5	Z	18567 8	31.41	20.41	15.70
FD6HW	6 Hour 125-277 V SPST White	6	0.5	Z	18569 2	31.41	20.41	15.70
FF TIMERS - METAL PLATE COMMERCIAL GRADE SPRING WOUND TIMERS AND ACCESSORIES								
146MT380	Stonedust White Knob With Hold For FF Series Timers - Split Shaft	1	0.1	-	60073 7	1.04	0.68	0.52
146MT381	Stonedust White Knob Without Hold For FF Series Timers - Split Shaft	1	0.4	-	60072 0	1.04	0.68	0.52
146MT387	Black Knob With Hold For FF Series Timers - Split Shaft	1	0.1	-	60075 1	1.04	0.68	0.52
146MT388	Black Knob Without Hold For FF Series Timers - Split Shaft	1	0.4	-	60074 4	1.04	0.68	0.52
146MT414A	Stonedust White Knob With Hold For FF Series Timers - "D" Shaft	1	0.1	-	60077 5	1.04	0.68	0.52
146MT415A	Stonedust White Knob Without Hold For FF Series Timers - "D" Shaft	1	0.4	-	60076 8	1.04	0.68	0.52
146MT416A	Black Knob With Hold For FF Series Timers - "D" Shaft	1	0.1	-	60079 9	1.04	0.68	0.52
146MT417A	Black Knob Without Hold For FF Series Timers - "D" Shaft	1	0.4	-	60078 2	1.04	0.68	0.52
148MT4695	Single Metal Plate Only (no screening) For FF Series Timers	1	0.1	-	10317 7	1.89	1.23	0.94
FF12H	12 Hour 125-277 V SPST	6	0.5	Z	11022 9	31.41	20.41	15.70
FF12H10	Mechanism Only w/ Knob (no plate) 12 Hour 125-277 V SPST	6	0.5	Z	11023 6	29.61	19.25	14.81
FF12HC	Clamshell Packaging 12 Hour 125-277 V SPST	6	0.5	AA	00525 9	31.41	20.41	15.70
FF12HH	12 Hour 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	11031 1	31.41	20.41	15.70
FF12HH10	Mech. w/Knob (no plate) 12 Hour 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	11032 8	29.61	19.25	14.81
FF12HHC	Clamshell Packaging 12 Hour 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	AA	00526 6	31.41	20.41	15.70
FF12HHP	Metal Plate Only For 5 Minute Timer w/Hold	1	0.1	AB	11039 7	3.17	2.06	1.59
FF12HP	Metal Plate Only For 6 Hour Timer	1	0.1	AB	11045 8	3.17	2.06	1.59
FF15M	15 Minute 125-277 V SPST	6	0.5	Z	11050 2	26.60	17.29	13.30
FF15M10	Mechanism Only w/ Knob (no plate) 15 Minute 125-277 V SPST	6	0.5	Z	11051 9	24.81	16.12	12.40
FF15MC	Clamshell Packaging 15 Minute 125-277 V SPST	6	0.5	AA	00529 7	26.60	17.29	13.30
FF15MH	15 Minute 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	18413 8	26.60	17.29	13.30
FF15MH10	Mech. w/Knob (no plate) 15 Min 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	11053 3	24.81	16.12	12.40
FF15MHP	Metal Plate Only For 15 Minute Timer w/Hold	1	0.1	AB	11054 0	3.17	2.06	1.59
FF15MP	Metal Plate Only For 15 Minute Timer	1	0.1	AB	11055 7	3.17	2.06	1.59

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
FF TIMERS - METAL PLATE COMMERCIAL GRADE SPRING WOUND TIMERS AND ACCESSORIES (cont'd.)								
FF2H	**2 Hour** 120-277 V **SPST**	6	0.5	Z	07400 2	31.41	20.41	15.70
FF30M	30 Minute 125-277 V SPST	6	0.5	Z	11056 4	26.60	17.29	13.30
FF30M10	Mechanism Only w/ Knob (no plate) 30 Minute 125-277 V SPST	6	0.5	Z	11057 1	24.81	16.12	12.40
FF30MC	Clamshell Packaging 30 Minute 125-277 V SPST	6	0.5	AA	00530 3	26.60	17.29	13.30
FF30MH	30 Minute 125-277 V SPST w/ Hold For Continuous Duty	6	0.5	Z	18415 2	26.60	17.29	13.30
FF30MH10	Mech. w/Knob (no plate) 30 Min 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	00306 4	24.81	16.12	12.40
FF30MHP	Metal Plate Only For 30 Minute Timer w/Hold	1	0.1	AB	11059 5	3.17	2.06	1.59
FF30MP	Metal Plate Only For 30 Minute Timer	1	0.1	AB	11060 1	3.17	2.06	1.59
FF312H	12 Hour 125-277 V SPDT	6	0.5	Z	18428 2	47.56	30.92	23.78
FF312H10	Mechanism Only w/ Knob (no plate) 12 Hour 125-277 V SPDT	6	0.5	Z	11061 8	45.77	29.75	22.88
FF312HH	12 Hour 125-277 V SPDT **w/ Hold** For Continuous Duty	6	0.5	Z	18429 9	47.56	30.92	23.78
FF312HHP	Metal Plate Only For 12 Hour Timer w/Hold	1	0.1	AB	11071 7	3.17	2.06	1.59
FF312HP	Metal Plate Only For 12 Hour Timer	1	0.1	AB	11076 2	3.17	2.06	1.59
FF315M	15 Minute 127-277 V SPDT w/Metal Single Gang Plate	6	0.5	Z	06926 8	40.33	26.22	20.17
FF32H	2 Hour 125-277 V SPDT	6	0.5	Z	18422 0	47.56	30.92	23.78
FF32H10	Mechanism Only w/ Knob (no plate) 2 Hour 125-277 V SPDT	6	0.5	Z	11081 6	45.77	29.75	22.88
FF32HH	2 Hour 125-277 V SPDT **w/ Hold** For Continuous Duty	6	0.5	Z	18423 7	47.56	30.92	23.78
FF32HH10	Mech. w/Knob (no plate) 2 Hour 125-277 V SPDT **w/ Hold** For Continuous Duty	6	0.5	Z	11086 1	45.77	29.75	22.88
FF32HHP	Metal Plate Only For 2 Hour Timer w/Hold	1	0.1	AB	11091 5	3.17	2.06	1.59
FF32HP	Metal Plate Only For 2 Hour Timer	1	0.1	AB	11096 0	3.17	2.06	1.59
FF330M	30 Minute 127-277 V SPDT w/Metal Single Gang Plate	6	0.5	Z	06927 5	40.33	26.22	20.17
FF34H	4 Hour 125-277 V SPDT	6	0.5	Z	18424 4	47.56	30.92	23.78
FF34H10	Mechanism Only w/ Knob (no plate) 4 Hour 125-277 V SPDT	6	0.5	Z	11101 1	45.77	29.75	22.88
FF34HH	4 Hour 125-277 V SPDT **w/ Hold** For Continuous Duty	6	0.5	Z	18425 1	47.56	30.92	23.78
FF34HH10	Mech. w/Knob (no plate) 4 Hour 125-277 V SPDT **w/ Hold** For Continuous Duty	6	0.5	Z	11106 6	45.77	29.75	22.88
FF34HHP	Metal Plate Only For 4 Hour Timer w/Hold	1	0.1	AB	11111 0	3.17	2.06	1.59
FF34HP	Metal Plate Only For 4 Hour Timer	1	0.1	AB	11116 5	3.17	2.06	1.59
FF360M	60 Minute 127-277 V SPDT w/Metal Single Gang Plate	6	0.5	Z	06928 2	40.33	26.22	20.17
FF36H	6 Hour 125-277 V SPDT	6	0.5	Z	18426 8	47.56	30.92	23.78
FF36H10	Mechanism Only w/ Knob (no plate) 6 Hour 125-277 V SPDT	6	0.5	Z	11121 9	45.77	29.75	22.88
FF36HH	6 Hour 125-277 V SPDT **w/ Hold** For Continuous Duty	6	0.5	Z	18427 5	47.56	30.92	23.78
FF36HH10	Mech. w/Knob (no plate) 6 Hour 125-277 V SPDT **w/ Hold** For Continuous Duty	6	0.5	Z	11126 4	45.77	29.75	22.88
FF36HHP	Metal Plate Only For 6 Hour Timer w/Hold	1	0.1	AB	11131 8	3.17	2.06	1.59
FF36HP	Metal Plate Only For 6 Hour Timer	1	0.1	AB	11136 3	3.17	2.06	1.59
FF4H	**4 Hour** 120-277 V **SPST**	6	0.5	Z	07402 6	31.41	20.41	15.70
FF412H	12 Hour 125-277 V DPST	6	0.5	Z	18432 9	54.42	35.37	27.21
FF412H10	Mechanism Only w/ Knob (no plate) 12 Hour 125-277 V DPST	6	0.5	Z	11141 7	52.62	34.20	26.31
FF412HH	12 Hour 125-277 V DPST **w/ Hold** For Continuous Duty	6	0.5	Z	18433 6	54.42	35.37	27.21
FF412HH10	Mech w/Knob (no plate) 12 Hour 125-277 V DPST **w/ Hold** For Continuous Duty	6	0.5	Z	11146 2	52.62	34.20	26.31
FF412HHP	Metal Plate Only For 12 Hour Timer w/Hold	1	0.1	AB	11151 6	3.17	2.06	1.59
FF412HP	Metal Plate Only For 12 Hour Timer	1	0.1	AB	11156 1	3.17	2.06	1.59
FF415M	15 Minute 125-277 V DPST	6	0.5	Z	18434 3	54.42	35.37	27.21
FF415MP	Metal Plate Only For 15 Minute Timer	1	0.1	AB	05874 3	3.17	2.06	1.59
FF430M	30 Minute 125-277 V DPST	6	0.5	Z	18435 0	54.42	35.37	27.21
FF430MP	Metal Plate Only For 30 Minute Timer	1	0.1	AB	05877 4	3.17	2.06	1.59
FF460M	60 Minute 125-277 V DPST	6	0.5	Z	18436 7	54.42	35.37	27.21
FF460MP	Metal Plate Only For 60 Minute Timer	1	0.1	AB	05880 4	3.17	2.06	1.59
FF46H	6 Hour 125-277 V DPST	6	0.5	Z	18430 5	54.42	35.37	27.21
FF46H10	Mechanism Only w/ Knob (no plate) 6 Hour 125-277 V DPST	6	0.5	Z	11161 5	52.62	34.20	26.31
FF46HH	6 Hour 125-277 V DPST **w/ Hold** For Continuous Duty	6	0.5	Z	18431 2	54.42	35.37	27.21
FF46HH10	Mech w/Knob (no plate) 6 Hour 125-277 V DPST **w/ Hold** For Continuous Duty	6	0.5	Z	11166 0	52.62	34.20	26.31
FF46HHP	Metal Plate Only For 6 Hour Timer w/Hold	1	0.1	AB	11171 4	3.17	2.06	1.59
FF46HP	Metal Plate Only For 6 Hour Timer	1	0.1	AB	11176 9	3.17	2.06	1.59
FF5M	5 Minute 125-277 V SPST	6	0.5	Z	18410 7	26.60	17.29	13.30
FF5M10	Mechanism Only w/ Knob (no plate) 5 Minute 125-277 V SPST	6	0.5	Z	00305 7	24.81	16.12	12.40
FF5MH	5 Minute 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	18411 4	26.60	17.29	13.30
FF5MH10	Mech. w/Knob (no plate) 5 Min 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	00304 0	24.81	16.12	12.40
FF60M	60 Minute 125-277 V SPST	6	0.5	Z	11181 3	26.60	17.29	13.30
FF60M10	Mechanism Only w/ Knob (no plate) 60 Minute 125-277 V SPST	6	0.5	Z	11182 0	24.81	16.12	12.40
FF60MC	Clamshell Packaging 60 Minute 125-277 V SPST	6	0.5	AA	00560 0	26.60	17.29	13.30
FF60MH	60 Minute 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	11185 1	26.60	17.29	13.30
FF60MH10	Mech. w/Knob (no plate) 60 Min 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	00307 1	24.81	16.12	12.40
FF60MHC	Clamshell Packaging 60 Minute 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	AA	00527 3	26.60	17.29	13.30
FF60MHP	Metal Plate Only For 60 Minute Timer w/Hold	1	0.1	AB	02324 6	3.17	2.06	1.59
FF60MP	Metal Plate Only For 60 Minute Timer	1	0.1	AB	02325 3	3.17	2.06	1.59
FF6H	6 Hour 125-277 V SPST	6	0.5	Z	18418 3	31.41	20.41	15.70
FF6H10	Mechanism Only w/ Knob (no plate) 6 Hour 125-277 V SPST	6	0.5	Z	11187 5	29.61	19.25	14.81
FF6HH	6 Hour 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	18419 0	31.41	20.41	15.70
FF6HH10	Mech. w/Knob (no plate) 6 Hour 125-277 V SPST **w/ Hold** For Continuous Duty	6	0.5	Z	11192 9	29.61	19.25	14.81
FF6HHP	Metal Plate Only For 6 Hour Timer w/Hold	1	0.1	AB	11197 4	3.17	2.06	1.59
FF6HP	Metal Plate Only For 6 Hour Timer	1	0.1	AB	11202 5	3.17	2.06	1.59
K/LC SERIES - PHOTO CONTROLS								
K1121	105-130 V 50/60 Hz. 1800 Watt "T" Swivel Mount	12	9.0	AM	51121 7	35.00	22.75	17.50

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
K/LC SERIES - PHOTO CONTROLS (cont'd.)								
K1122	210-240 V 50/60 Hz. 1800 Watt "T" Swivel Mount	12	9.0	AM	51122 4	42.25	27.46	21.13
K121	Locking Type Receptacle Only	1	0.4	AI	04540 8	11.35	7.38	5.68
K122	Locking Type Receptacle And Pole Bracket Adapter	1	1.0	AI	50120 1	21.40	13.91	10.70
K1221	105-130 V 50/60 Hz. 1000 Watt "T" Locking Type	12	6.0	AM	51221 4	44.15	28.70	22.08
K1222	210-240 V 50/60 Hz. 1000 Watt "T" Locking Type	12	6.0	AM	51222 1	46.05	29.93	23.03
K4000	Photo Control Tester For 120 Volt Photo Controls	1	0.5	AP	70062 8	34.30	22.30	17.15
K4001	Weatherproof Wall Plate For K4000 Fixed Mount Series (24LG3339)	1	0.1	BE	03080 0	3.30	2.15	1.65
K4021	120 V 50/60 Hz. 1800 Watt "T" Fixed Postion Mounting	12	2.2	AL	53000 3	16.15	10.50	8.08
K4021C	Clamshell Packaging 120 V 50/60 Hz. 1800 Watt "T" Fixed Postion Mounting	12	2.2	AJ	00200 5	16.15	10.50	8.08
K4022	240 V 50/60 Hz. 3600 Watt "T" Fixed Postion Mounting	12	2.2	AL	53002 7	19.45	12.64	9.73
K4023	208-277 V 50/60 Hz. 3100-4100 Watt "T" Fixed Postion Mounting	12	2.2	AL	02556 1	19.85	12.90	9.93
K4023C	Clamshell 208-277 V 50/60 Hz. 3100-4100 Watt "T" Fixed Postion Mounting	12	2.2	AJ	02957 6	19.85	12.90	9.93
K4024	208 V 50/60 Hz. 3100 Watt "T" Fixed Postion Mounting	12	2.2	AL	53001 0	19.45	12.64	9.73
K4033	277 V 50/60 Hz. 4100 Watt "T" Fixed Postion Mounting	12	2.2	AL	53003 4	19.45	12.64	9.73
K4035	480 V 50/60 Hz. 7200 Watt "T" Fixed Postion Mounting	12	2.6	AL	53004 1	30.20	19.63	15.10
K4121	120 V 50/60 Hz. 1800 Watt "T" Stem Mounting	12	2.1	AL	53006 5	16.40	10.66	8.20
K4121C	Clamshell Packaging 120 V 50/60 Hz. 1800 Watt "T" Stem Mounting	12	2.1	AJ	00201 2	16.40	10.66	8.20
K4121M	120 V 50/60 Hz. 2000 Watt "T" Die Cast Metal Housing Stem Mounting	12	7.1	S	06772 1	18.40	11.96	9.20
K4122	240 V 50/60 Hz. 3600 Watt "T" Stem Mounting	12	2.1	AL	53008 9	24.80	16.12	12.40
K4123	208-277 V 50/60 Hz. 3100-4100 Watt "T" Stem Mounting	12	2.1	AL	02807 4	25.35	16.48	12.68
K4123C	Clamshell Pkg. 208-277 V 50/60 Hz. 3100-4100 Watt "T" Stem Mounting	12	2.1	AJ	02959 0	25.35	16.48	12.68
K4123M	208-277 V 50/60 Hz. 2000 Watt "T" Die Cast Metal Housing Stem Mounting	12	7.3	S	06773 8	23.35	15.18	11.68
K4124	208 V 50/60 Hz. 3100 Watt "T" Stem Mounting	12	2.1	AL	53007 2	24.80	16.12	12.40
K4133	277 V 50/60 Hz. 4100 Watt "T" Stem Mounting	12	2.1	AL	53009 6	24.80	16.12	12.40
K4135	480 V 50/60 Hz. 7200 Watt "T" Stem Mounting	12	2.1	AL	04287 2	25.00	16.25	12.50
K4136M	120-277V 50/60 Hz. 2000 Watt "T" Die Cast Metal Housing Stem Mounting	12	7.3	S	06774 5	31.70	20.61	15.85
♦ K4141	Clamshell Packaging 125 V 50/60 Hz. 3000 Watt "T" Stem Mounting	12	2.1	AL	02292 8	25.00	16.25	12.50
♦ K4141C	125 V 50/60 Hz. 3000 Watt "T" Stem Mounting	12	2.1	AJ	02958 3	25.00	16.25	12.50
K4221	120 V 50/60 Hz. 1800 Watt "T" Swivel Mounting	12	3.0	AL	53010 2	18.95	12.32	9.48
K4221C	Clamshell Packaging 120 V 50/60 Hz. 1800 Watt "T" Swivel Mounting	12	3.0	AJ	00202 9	18.95	12.32	9.48
K4222	240 V 50/60 Hz. 3600 Watt "T" Swivel Mounting	12	3.0	AL	53012 6	26.55	17.26	13.28
K4223C	Clamshell Pkg. 208-277 V 50/60 Hz. 3100-4100 Watt "T" Swivel Mounting	12	3.0	AJ	05695 4	26.75	17.39	13.38
K4224	208 V 50/60 Hz. 3100 Watt "T" Swivel Mounting	12	3.0	AL	53011 9	26.55	17.26	13.28
K4233	277 V 50/60 Hz. 4100 Watt "T" Swivel Mounting	12	3.0	AL	53013 3	26.55	17.26	13.28
K4235	480 V 50/60 Hz. 7200 Watt "T" Swivel Mounting	12	3.0	AL	04288 9	26.95	17.52	13.48
K4236	120-277 V 50/60 Hz. 1800-4100 Watt "T" Swivel Mounting	12	3.0	AM	02524 0	26.95	17.52	13.48
K4236C	Clamshell Pkg. 120-277 V 50/60 Hz. 1800-4100 Watt "T" Swivel Mounting	12	3.0	AK	02960 6	26.95	17.52	13.48
K4251	120 V 50/60 Hz. 2000 Watt "T" Thin Line for Flood/Spot Fixtures Swivel Mtg.	12	2.8	S	06775 2	15.00	9.75	7.50
K4253	208-277 V 50/60 Hz. 2000 Watt "T" Thin line for Flood/Spot Fixt. Swivel Mtg.	12	2.8	S	06776 9	17.35	11.28	8.68
K4321	120 V 50/60 Hz. 1800 Watt "T" w/ NEMA 3R Wall Plate Fixed Position Mtg.	12	4.5	AL	53005 8	19.45	12.64	9.73
K4321C	Clam. Pkg. 120 V 50/60 Hz. 1800 Watt "T" w/ NEMA 3R Wall Plate Fixed Mtg	12	4.5	AJ	00203 6	19.45	12.64	9.73
K4500	Shorting Cap For 120-480 Volt Locking Type Controls	1	0.5	AO	53019 5	4.90	3.19	2.45
K4521	120 V 50/60 Hz. 1800 Watt "T" Locking Type	12	6.0	AM	53014 0	23.75	15.44	11.88
K4522	240 V 50/60 Hz. 3600 Watt "T" Locking Type	12	6.0	AM	53016 4	27.60	17.94	13.80
K4524	208 V 50/60 Hz. 3100 Watt "T" Locking Type	12	6.0	AM	53015 7	27.60	17.94	13.80
K4533	277 V 50/60 Hz. 4100 Watt "T" Locking Type	12	6.0	AM	53017 1	27.60	17.94	13.80
K4535	480 V 50/60 Hz. 7200 Watt "T" Locking Type	12	6.0	AM	53018 8	37.60	24.44	18.80
LC4521	120 V 50/60 Hz. 1000 Watt "T" Locking Type	12	2.1	AI	00340 8	9.90	6.44	4.95
LC4521C	Clamshell Packaging 120 V 50/60 Hz. 1000 Watt "T" Locking Type	12	2.1	AJ	00204 3	9.90	6.44	4.95
LC4521LA	120 V 50/60 Hz. 1000 Watt "T" w/Lightning Arrestor Locking Type	12	2.1	AI	00266 1	10.65	6.92	5.33
LC4523	208-277 V 50/60 Hz. 1700-2300 Watt "T" Locking Type	12	2.1	AI	70061 1	17.90	11.64	8.95
LC4523LA	208-277 V 50/60 Hz. 1700-2300 Watt "T" w/Lightning Arrestor Locking Type	12	2.1	AI	02271 3	18.70	12.16	9.35
LC4535	480 V 50/60 Hz. 1000 Watt "T" Locking Type	12	2.1	AI	00267 8	22.55	14.66	11.28
LC4535LA	480 V 50/60 Hz. 1000 Watt "T" w/Lightning Arrestor Locking Type	12	2.1	AI	00268 5	23.35	15.18	11.68
LC4536	120-277 V 50/60 Hz. 1000-2300 Watt "T" Locking Type	12	2.1	AI	02268 3	18.65	12.12	9.33
LC4536C	Clamshell Pkg. 120-277 V 50/60 Hz. 1000-2300 Watt "T" Locking Type	12	2.1	AJ	02955 2	18.65	12.12	9.33
LC4536LA	Clam Pk 120-277V 50/60 Hz. 1000-2300 Watt"T" w/Ltg Arrestor Locking Type	12	2.1	AI	02269 0	19.45	12.64	9.73
LC4536LAC	Clam Pk 120-277 V 50/60 Hz. 1000-2300 Watt "T" w/Lightning Arrestor Locking Type	12	2.1	AJ	02956 9	19.45	12.64	9.73
TIME SWITCHES AND ACCESSORIES								
107T119	Tripper (silver) for T8800 and R8800 Series	1	0.1	-	10040 4	0.33	0.22	0.17
107T73	Day Wheel Pin for T8800 and R8800 Series	1	0.1	-	10049 7	0.33	0.22	0.17
119T86A	Transformer for T8845PV	1	0.5	-	10077 0	21.51	13.98	10.75
124T1948	Insulator For Single Pole Time Switches	1	0.1	-	80022 9	2.26	1.47	1.13
124T1952	Insulator For Double Pole Time Switches	1	0.1	-	80023 6	1.41	0.92	0.71
124T2097	Plastic Insulator for T8800 and R8800 Series	1	0.1	-	10121 0	1.04	0.68	0.52
124T2247	Insulator Old Style Replaces 124T1607	1	0.1	-	21100 1	3.11	2.02	1.55
124T2411A	Insulator Time Switch Rigid Black Opaque - **Package of 10**	1	0.8	-	N/A	10.40	6.76	5.20
131T18	125 Volt 60 Hertz Motor for V45400C and V46400C Series	1	0.2	BB	21171 1	52.42	34.07	26.21
131T19	125 Volt 50 Hertz Motor for V45400C and V46400C Series	1	0.2	BB	60020 1	63.25	41.11	31.63
131T20	208-277 Volt 60 Hertz Motor for V45400C and V46400C Series	1	0.2	BB	21172 8	59.85	38.90	29.93
131T21	208-277 Volt 50 Hertz Motor for V45400C and V46400C Series	1	0.2	BB	60021 8	72.58	47.18	36.29

♦ **Not CSA Listed**

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
TIME SWITCHES AND ACCESSORIES (cont'd.)								
131T22	480 Volt 60 Hertz Motor for V45400C and V46400C Series	1	0.2	BB	60022 5	72.58	47.18	36.29
131T68GA	125 Volt 60 Hertz Motor and Carryover T7400BC and T7800BC Series	1	1.0	BB	21170 4	329.66	214.28	164.83
131T69GA	208-277 Volt 60 Hertz Motor and Carryover T7400BC and T7800BC Series	1	1.0	BB	21180 3	344.67	224.03	172.33
131T70GA	208-277 Volt 50 Hertz Motor and Carryover T7400BC and T7800BC Series	1	1.0	BB	60091 1	357.25	232.21	178.63
131T81GA	125 Volt 60 Hertz Motor and Carryover V45400C and V46400C Series	1	1.0	BB	60023 2	593.67	385.89	296.84
131T82GA	208-277 Volt 60 Hertz Motor and Carryover V45400C and V46400C Series	1	1.0	BB	60024 9	633.73	411.93	316.87
131T93GA	125 Volt 50 Hertz Motor and Carryover T7400BC and T7800BC Series	1	1.0	BB	60090 4	339.14	220.44	169.57
133T1115A	Toggle Switch for T8800 and R8800 Series	1	0.2	-	N/A	20.05	13.03	10.03
133T700A	Micro Switch for T8800 and R8800 Series	1	0.1	-	10241 5	21.01	13.66	10.50
133T701A	Replacement Snap Switch for T1900 and T2000 Series	1	0.2	-	10242 2	10.87	7.06	5.43
133T773A	Replacement Snap Switch for C8800 Series	1	0.2	-	10245 3	10.87	7.06	5.43
143T135	Double Pole Single Throw Relay with 240V Coil	1	0.4	-	04649 8	33.37	21.69	16.69
143T136	Double Pole Single Throw Relay with 120V Coil	1	0.4	-	04650 4	33.37	21.69	16.69
143T137	Relay for R8816P101C and R8815P101C	1	0.3	-	N/A	33.34	21.67	16.67
143T139A	Relay for R8806P101C	1	0.3	-	N/A	35.03	22.77	17.51
156T1871A	Trippers 16 (ON or OFF) For V46100 Series	1	0.1	-	21135 3	25.77	16.75	12.89
156T1948A	Trippers One Set (ON/OFF/ON Cutout) For T170, P171, T1400 and T1800 Series	1	0.1	-	21131 5	3.39	2.20	1.70
156T1949A	Tripper Variable (10 to 60 minute) For Model T185	1	0.1	-	21132 2	11.32	7.35	5.66
156T1950A	Trippers (12 ON or OFF) For T1900, T2000, C8800, R8800 and T8800 Series	1	0.1	-	21133 9	2.69	1.75	1.35
156T1951A	Trippers Set (ON/OFF/ON Cutout) For V41000 Series	1	0.1	-	21134 6	5.93	3.85	2.96
156T1953A	3 Skipper Screws For V41000 and V45000 Series	1	0.1	-	21140 7	1.99	1.29	0.99
156T1954A	14 Pins For LS7000 Series	1	0.1	-	21142 1	3.39	2.20	1.70
156T1956A	Trippers 8 Sets (ON / OFF) For V46400 Series	1	0.1	-	21136 0	28.30	18.39	14.15
156T1957A	3 Skipper Screws For V45400 Series	1	0.1	-	21141 4	2.69	1.75	1.35
156T1959A	3 Skipper Screws For V47000, V48000 and V49000 Series	1	0.1	-	21143 8	9.91	6.44	4.96
156T1978A	Trippers (1 ON / 1 OFF) For T100, T170, T7000, and WH Series	1	0.1	-	00213 5	2.26	1.47	1.13
156T2205A	Lock Conversion Kit For 2T204A	1	0.2	-	21144 5	11.32	7.35	5.66
156T2548A	Trippers 7 Sets (ON / OFF) For T7400 and T7800 Series	1	0.1	-	21138 4	13.58	8.83	6.79
156T3085A	3 Skipper Screws For T170, P171, T1400, T1800 and WH Series	1	0.1	-	60071 3	1.99	1.29	0.99
156T3230A	Trippers (1 ON / 1 OFF / 1 On Cutout) For WH Series	1	0.1	-	60070 6	3.39	2.20	1.70
156T4042A	Heater Control (Fireman) Switch Kit	1	0.3	-	70113 7	18.83	11.77	9.06
156T6738A	(10) Insulator for Time Switch Manual Lever	1	0.1	-	02310 9	3.23	2.02	1.56
22SW225A	Time Switch Mounting Bracket Screw Type For T100, T170, T180 and LS7000 Series	1	0.5	-	21122 3	7.92	5.15	3.96
22T338GR	Snap-In Type Bracket For ET Series, T100, T170, T180, T1900, T2000 and C8800 Series	1	0.5	H	21123 0	6.52	4.24	3.26
22T535GR	DIN Rail Type Bracket For ET Series, T100, T170, T180, T1900, T2000 and C8800 Series	1	0.5	H	10517 1	7.92	5.15	3.96
2T1793GA (f)	Standard Indoor/Outdoor NEMA 3R 10-1/2" X 7-7/8" X 4-3/8"	1	2.5	J	21007 3	104.84	68.15	52.42
2T1985GR (e)	Standard Indoor/Outdoor NEMA 3R 9-3/8" X 5-1/2" X 3-5/8"	1	2.5	B	21006 6	61.62	40.05	30.81
2T2040GA (a)	Standard Indoor Case 7-3/4" X 5" X 3"	12	16.8	A	21014 1	17.49	11.37	8.75
2T2292GA (d)	Indoor Case 12-1/2" X 8-1/4" X 3-7/8"	6	42.0	N	21015 8	77.23	50.20	38.62
2T2293GA (d)	Indoor/Outdoor NEMA 3R	1	7.0	O	21016 5	104.84	68.15	52.42
2T2294GA	Flush Mount Enclosure for T7000C 7 Day Time Switches	1	9.0	F	21017 2	230.88	150.07	115.44
2T2331GA (c)	Indoor/Outdoor NEMA 3R	1	2.5	B	60082 9	58.72	38.17	29.36
2T2365GA (g)	Standard Flush Mount With Lock	1	7.0	F	80006 9	114.15	74.20	57.08
2T2485GA	Beige Metal Case for T100R Series	6	15.0	B	70159 5	56.73	36.88	28.37
2T2500GA (a)	Indoor/Outdoor Plastic NEMA 3R 9-3/8" X 5-1/2" X 3-5/8"	6	7.8	B	70059 8	58.72	38.17	29.36
2T2502GA	Beige Plastic Case for T100R Series	6	10.0	B	10612 3	56.73	36.88	28.37
2T308A (b	Standard Flush Mount With Lock	1	6.5	F	21002 8	126.32	82.11	63.16
2T511GA (a	Standard Indoor/Outdoor NEMA 3R 9-3/8" X 5-1/2" X 3-5/8"	6	15.0	B	21005 9	58.72	38.17	29.36

(a) Available for Series T100, T170, T180, T1900, T2000, C8800, ET100C, ET170C, ET700C, and models ET70115C, ET70115CR24, ET70215C and ET70215CR24.

(b) Available for Series T100, T170, T180, T1900, T2000 and C8800. (c) Available for Series T100CR, T1400BR, T1400BCR, T1800BR and T1800BCR.

(d) Available for Series T7400B, T7800B, T7400BC and T7800BC. (e) Available for Series LS7000 only.

(f) Available for V45471 and V45472 only. (g) Available for Series ET100C, ET170C AND models ET279C, ET70115C, ET70115CR24, ET70215C, AND ET70215CR24

C8815	NEMA 1 - 125 V SPDT 10 Minute Cycle With 5 Second Tripper Actuating Time	12	31.5	A	14101 8	164.35	106.83	82.18
C8825	NEMA 1 - 125 V SPDT 2 Hour Cycle With 60 Second Tripper Actuating Time	12	31.5	A	14303 6	164.35	106.83	82.18
C8835	NEMA 1 - 125 V SPDT 30 Minute Cycle With 15 Second Tripper Actuating Time	12	31.5	A	70079 6	164.35	106.83	82.18
C8845	NEMA 1 - 125 V SPDT 4 Hour Cycle With 120 Second Tripper Actuating Time	12	31.5	A	14301 2	164.35	106.83	82.18
C8855	NEMA 1 - 125 V SPDT 5 Minute Cycle With 2.5 Second Tripper Actuating Time	12	31.5	A	14501 6	164.35	106.83	82.18
C8865	NEMA 1 - 125 V SPDT 1 Hour Cycle With 30 Second Tripper Actuating Time	12	31.5	A	14601 3	164.35	106.83	82.18
C8866	NEMA 1 - 250 V SPDT 1 Hour Cycle With 30 Second Tripper Actuating Time	12	31.5	A	14302 9	168.92	109.80	84.46
CT1000	120/240 V SPST Cycle Percentage Timer	6	8.8	CC	06424 9	147.90	96.13	73.95
LS7141	NEMA 1 - 125 V	12	35.0	G	20401 0	152.66	99.23	76.33
LS7141R	NEMA 3R - Steel Case 125 V	6	18.6	B	20402 7	198.84	129.24	99.42
LS7143	NEMA 1 - 24 V	12	35.0	G	20471 3	160.79	104.52	80.40
LS7143R	NEMA 3R - Steel Case 24 V	6	18.6	B	20472 0	202.85	131.85	101.43
♦ P104-32	NEMA 1- 250 V DPST 24 Hour 20 Amp	6	18.0	E	11705 1	135.15	87.85	67.57
♦ P171-30	NEMA 1- 125 V SPST 7 Day 15 Amp	6	18.0	E	11701 3	114.95	74.72	57.48
♦ P171-32	NEMA 1- 125 V SPST 7 Day 20 Amp	6	18.0	E	11702 0	133.40	86.71	66.70
♦ P174-30	NEMA 1- 250 V DPST 7 Day 15 Amp	6	18.0	E	11703 7	125.92	81.85	62.96
♦ P174-32	Discontinued (Limited To Availability) NEMA 1- 250 V DPST 7 Day 20 Amp	6	18.0	E	11704 4	144.37	93.84	72.19
R8806M101C	Mechanism - 250 V DPST 25 Amp	12	16.0	G	14802 4	104.03	67.62	52.02

♦ **Not CSA Listed**

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
TIME SWITCHES AND ACCESSORIES (cont'd.)								
R8806P101C	NEMA 3R - Plastic Case 250 V DPST 25 Amp	6	28.8	B	00510 5	127.81	83.07	63.90
R8815P101C	NEMA 3R - Plastic Case 125 V DPST 25 Amp 3 HP With Rain Sensor Input terminals	6	28.8	B	04385 5	144.11	93.67	72.06
R8816P101C	NEMA 3R - Plastic Case 250 V DPST 25 Amp With Rain Sensor Input terminals	6	28.8	B	02702 2	164.69	107.05	82.35
T101	NEMA 1 - 125 V SPST	12	31.2	A	00001 8	79.93	51.96	39.97
T101B	NEMA 1 - 125 V SPST Separate clock motor and circuit terminals	12	31.2	A	10701 4	79.93	51.96	39.97
T101F	NEMA 1 Flush Case 125 V SPST	1	7.7	F	10103 6	215.14	139.84	107.57
T101M	Mechanism 125 V SPST	12	15.6	A	00023 0	76.91	49.99	38.45
T101M201	Mechanism - 125 V SPST w/SPDT Heater Cutoff Switch	12	18.0	A	12100 3	113.97	71.23	54.80
T101P	NEMA 3R - Plastic Case 125 V SPST Gray Case	6	15.3	B	00019 3	121.16	78.75	60.58
T101P201	NEMA 3R - Beige Plastic Case - 125 V SPST 2/SPDT Heater Cutoff Switch	6	20.5	B	70057 4	162.25	101.41	78.01
T101P3	NEMA 3R - Plastic Case 125 V SPST Beige Case	6	15.3	C	02628 5	121.16	78.75	60.58
T101P4	NEMA 3R - Beige Plastic Case 125 V SPST w/ External Manual Override	6	15.3	B	07301 2	124.80	81.12	62.40
T101P204	NEMA 3R - Beige Plastic 125 V SPST w/ Ex Man. Ovrd & Htr Cutoff Switch	6	20.5	B	07302 9	166.40	108.16	83.20
T101PCD82	NEMA 3R - Plastic Case See Thru Cover 125 V SPST	6	15.3	C	04783 9	123.25	80.11	61.63
T101R	NEMA 3R - Steel Case 125 V SPST Gray Case	6	22.5	B	00005 6	121.16	78.75	60.58
T101R201	NEMA 3R - Beige Steel Case 125V SPST w/SPDT Heater Cutoff Switch	6	22.2	B	00006 0	162.25	101.41	78.01
T101R24	NEMA 3R - Steel Case 24 V SPST	6	22.5	B	02413 7	141.29	91.84	70.65
T101R3	NEMA 3R - Steel Case 125 V SPST Beige Case	6	22.5	C	02630 8	121.16	78.75	60.58
T102	NEMA 1 - 208-277 V SPST	12	31.2	A	10221 7	84.76	55.09	42.38
T102B	NEMA 1 - 208-277 V SPST	12	31.2	A	10821 9	84.76	55.09	42.38
T102M	Mechanism 208-277 V SPST	12	16.2	A	00024 7	81.85	53.20	40.92
T102P	NEMA 3R - Plastic Case 208-277 V SPST	6	15.3	B	00021 6	125.72	81.71	62.86
T102R	NEMA 3R - Steel Case 208-277 V SPST	6	22.5	B	10222 4	125.72	81.71	62.86
T103	NEMA 1 - 125 V DPST	12	31.8	A	00004 9	88.83	57.74	44.41
T103-24	NEMA 1 - 24 V DPST	12	31.8	A	02415 1	104.42	67.87	52.21
T103M	Mechanism 125 V DPST	12	16.2	A	00025 4	86.13	55.99	43.07
T103P	NEMA 3R - Plastic Case 125 V DPST	6	15.3	B	00022 3	129.77	84.35	64.89
T103PCD82	NEMA 3R - Plastic Case See Thru Cover 125 V DPST	6	15.3	C	04785 3	131.81	85.68	65.90
T103R	NEMA 3R - Steel Case 125 V DPST	6	23.1	C	02006 1	129.77	84.35	64.89
T104	NEMA 1 - 208-277 V DPST	12	31.8	A	00002 5	92.78	60.31	46.39
T104-20	NEMA 1 - 208-277 V DPST "Little Gray Box"	12	32.4	A	00013 1	93.66	60.88	46.83
T104M	Mechanism 208-277 V DPST	12	16.2	A	00026 1	91.52	59.49	45.76
T104M201	Mechanism 208-277 V DPST w/SPDT Heater Cutoff Switch	12	19.2	A	12420 2	123.35	77.10	59.31
T104P	NEMA 3R - Plastic Case 208-277 V DPST Gray Case	6	15.3	B	00016 2	133.84	86.99	66.92
T104P201	NEMA 3R Beige Plastic Case 208-277 V DPST w/SPDT Heater Cutoff Switch	6	20.7	B	70058 1	177.73	111.08	85.45
T104P204	NEMA 3R-Beige Plastic 208-277 DPST w/ Ex Man Ovrd & Htr Cutoff Switch	6	20.7	B	07304 3	182.00	113.75	87.50
T104P3	NEMA 3R - Plastic Case 208-277 V DPST Beige Case	6	15.3	C	02629 2	133.84	83.65	64.35
T104P4	NEMA 3R - Beige Plastic Case 208-277 DPST w/ External Manual Ovrd.	6	15.3	B	07303 6	137.28	85.80	66.00
T104PCD82	NEMA 3R - Plastic Case See Thru Cover 208-277 V DPST	6	15.3	C	04787 7	135.88	88.32	67.94
T104R	NEMA 3R - Steel Case 208-277 V DPST Gray Case	6	23.1	B	00012 4	133.84	86.99	66.92
T104R201	NEMA 3R - Steel Case 208-277 V DPST w/SPDT Heater Cutoff Switch	6	22.8	B	00007 0	177.73	111.08	85.45
T104R3	NEMA 3R - Steel Case 208-277 V DPST Beige Case	6	23.1	C	02631 5	133.84	86.99	66.92
T105	NEMA 1 - 125 V SPDT	12	31.8	A	80010 6	88.83	57.74	44.41
T106M	Mechanism 208-277 V SPDT	12	16.2	A	00028 5	91.52	59.49	45.76
T106R	NEMA 3R - Steel Case 208-277 V SPDT	6	23.1	C	10428 0	133.84	86.99	66.92
T1105R	NEMA 3R - Steel Case 480 V SPST	6	22.5	B	10224 8	143.77	93.45	71.88
T1175M	Mechanism 480 V SPST	12	16.0	A	10228 6	134.22	87.24	67.11
T1205M	Mechanism 480 V DPST	12	16.2	A	10230 9	105.79	68.76	52.89
T1205R	NEMA 3R - Steel Case 480 V DPST	6	23.1	B	10225 5	154.70	100.56	77.35
T1275M	Mechanism 480 V DPST	12	16.0	A	10229 3	142.95	92.92	71.47
T1471BCR	NEMA 3R Steel Case 125 V 4PST	6	30.0	D	17902 8	666.08	432.95	333.04
T1471BM	Mechanism 125 V 4PST Separate clock motor and circuit terminals	12	16.0	A	17626 3	143.67	93.38	71.83
T1471BR	NEMA 3R - Steel Case 125 V 4PST Separate clock motor and circuit terminals	6	24.0	B	17901 1	196.75	127.89	98.37
T1472BR	NEMA 3R - Steel Case 208-277 V 4PST Separate clock motor and circuit terminals	6	24.0	B	17903 5	201.03	130.67	100.52
T1475BR	NEMA 3R - Steel Case 480 V 4PST Separate clock motor and circuit terminals	6	24.0	B	17909 7	218.05	141.73	109.02
T171	NEMA 1 - 125 V SPST	12	33.6	A	17101 5	116.98	76.04	58.49
T171-24	NEMA 1 - 24 V SPST	12	33.6	A	04118 9	132.58	86.18	66.29
T171B	NEMA 1 - 125 V SPST Separate clock motor and circuit terminals	12	33.6	A	17701 7	116.98	76.04	58.49
T171CR	NEMA 3R Steel Case 125 V SPST	6	24.0	D	17103 9	542.06	352.34	271.03
T171M	Mechanism 125 V SPST	12	16.0	A	17100 8	110.07	71.55	55.04
T171R	NEMA 3R - Steel Case 125 V SPST	6	18.0	B	17102 2	163.26	106.12	81.63
T171R24	NEMA 3R - Steel Case 24 V SPST	6	18.0	B	05854 5	178.86	116.26	89.43
T172	NEMA 1 - 208-277 V SPST	12	33.6	A	17221 0	121.92	79.25	60.96
T172CR	NEMA 3R Steel Case 208-277 V SPST	6	24.0	D	17223 4	546.19	355.02	273.09
T172R	NEMA 3R - Steel Case 208-277 V SPST	6	18.0	B	17222 7	168.10	109.26	84.05
T173	NEMA 1 - 125 V DPST	12	33.6	A	17301 9	125.77	81.75	62.88
T173CR	NEMA 3R Steel Case 125 V DPST	6	24.0	D	17303 3	550.34	357.72	275.17
T173M	Mechanism 125 V DPST	12	16.0	A	17300 2	119.07	77.40	59.53
T173R	NEMA 3R - Steel Case 125 V DPST	6	18.0	B	17302 6	171.83	111.69	85.91
T174	NEMA 1 - 208-277 V DPST	12	33.6	A	17421 4	130.71	84.96	65.35
T174CR	NEMA 3R Steel Case 208-277 V DPST	6	24.0	D	17423 8	554.64	360.52	277.32
T174M	Mechanism 208-277 V DPST	12	16.0	A	17420 7	123.35	80.18	61.68

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
TIME SWITCHES AND ACCESSORIES (cont'd.)								
T174R	NEMA 3R - Steel Case 208-277 V DPST	6	18.0	B	17422 1	176.65	114.83	88.33
T175	NEMA 1 - 125 V SPDT	12	33.6	A	17501 3	125.77	81.75	62.88
T175CR	NEMA 3R Steel Case 125 V SPDT	6	24.0	D	17503 7	550.34	357.72	275.17
T175M	Mechanism 125 V SPDT	12	16.0	A	17500 6	119.07	77.40	59.53
T176	NEMA 1 - 208-277 V SPDT	12	33.6	A	17621 8	130.71	84.96	65.35
T176R	NEMA 3R - Steel Case 208-277 V SPDT	6	18.0	B	17622 5	176.65	114.83	88.33
T185	NEMA 1- 125 V SPST	12	33.6	A	18501 2	166.56	108.26	83.28
T1871BCR	NEMA 3R Steel Case 125 V DPDT	6	30.0	D	17906 6	666.08	432.95	333.04
T1871BR	NEMA 3R - Steel Case 125 V DPDT Separate clock motor and circuit terminals	6	24.0	B	17905 9	196.75	127.89	98.37
T1872BR	NEMA 3R - Steel Case 208-277 V DPDT Separate clock motor and circuit terminals	6	24.0	B	17907 3	201.03	130.67	100.52
T1905	NEMA 1 - 125 V SPDT	12	33.0	A	19101 3	133.70	86.91	66.85
T1905R	NEMA 3R - Steel Case 125 V SPDT	6	33.0	B	19264 5	172.35	112.03	86.17
T1906	NEMA 1 - 208-277 V SPDT	12	33.0	A	19321 5	136.78	88.91	68.39
T1975	NEMA 1 - 125 V SPDT With 7 Day Skipper	12	34.8	A	19201 0	171.52	111.49	85.76
T1975BCR	NEMA 3R - Steel Case 125 V SPDT With 7 Day Skipper and 16 Hour Carryover	6	33.0	B	19262 1	448.34	291.42	224.17
T1975E	NEMA 1 - 480 V SPDT With 7 Day Skipper	12	34.8	A	19261 4	223.28	145.13	111.64
T1975ER	NEMA 3R - Steel Case 480 V SPDT With 7 Day Skipper	6	34.8	B	19260 7	262.00	170.30	131.00
T1975R	NEMA 3R - Steel Case 125 V SPDT With 7 Day Skipper	6	34.8	B	19265 2	210.11	136.57	105.06
T1976	NEMA 1 - 208-277 V SPDT With 7 Day Skipper	12	35.0	A	19421 2	175.12	113.82	87.56
T2005	NEMA 1 - 125 V SPDT 2 Hour Minimum ON/OFF Times	12	33.2	A	46001 0	166.67	108.34	83.34
T2005M	Mechanism - 125 V SPDT 2 Hour Minimum ON/OFF Times	12	33.2	A	46000 3	150.08	97.55	75.04
T2006	NEMA 1 - 208-277 V SPDT 2 Hour Minimum ON/OFF Times	12	33.2	A	46021 8	170.78	111.01	85.39
T51111BC	NEMA 1 - 125 V (1) SPDT Single Circuit	1	10.7	J	46805 4	1398.92	909.30	699.46
T51211BC	NEMA 1 - 125 V (2) SPDT Two Circuit	1	10.1	J	46806 1	1494.62	971.50	747.31
T51311BC	NEMA 1 - 125 V (3) SPDT Three Circuit	1	10.5	J	46807 8	1590.45	1033.79	795.23
T7401B	NEMA 1 - 125 V 4PST Separate clock motor and circuit terminals	6	55.0	I	46101 7	174.68	113.54	87.34
T7401BC	NEMA 1 - 125 V 4PST Separate clock motor and circuit terminals	1	10.5	J	46502 2	528.96	343.83	264.48
T7401BCR	NEMA 3R - Steel Case 125 V 4PST Separate clock motor and circuit terminals	1	11.0	J	46504 6	561.51	364.98	280.75
T7401BR	NEMA 3R - Steel Case 125 V 4PST Separate clock motor and circuit terminals	1	10.0	J	46503 9	207.18	134.67	103.59
T7402B	NEMA 1 - 208-277 V 4PST Separate clock motor and circuit terminals	6	55.0	I	46221 2	182.09	118.36	91.05
T7402BC	NEMA 1 - 208-277 V 4PST Separate clock motor and circuit terminals	1	10.5	J	46622 7	536.49	348.72	268.25
T7402BCM	Mechanism - 208-277 V 4PST Separate clock motor and circuit terminals	1	4.0	V	80019 9	518.59	337.08	259.29
T7402BL	Flush Case w/ Lock - 208-277 V 4PST Separate clock motor and circuit terminals	1	11.0	K	46625 8	365.28	237.43	182.64
T7402BR	NEMA 3R - Steel Case 208-277 V 4PST Separate clock motor and circuit terminals	1	10.0	J	46623 4	215.35	139.98	107.68
T7405BM	Mechanism - 480 V 4PST Separate clock motor and circuit terminals	1	3.0	V	46104 8	173.04	112.47	86.52
T7801B	NEMA 1 - 125 V DPDT Separate clock motor and circuit terminals	6	55.0	I	46301 1	174.68	113.54	87.34
T7801BC	NEMA 1 - 125 V DPDT Separate clock motor and circuit terminals	1	10.5	J	46703 3	528.96	343.83	264.48
T7801BCL	Flush Case W/ Lock - 125 V DPDT Separate clock motor and circuit terminals	1	12.0	K	80016 8	712.25	462.97	356.13
T7801BCM	Mechanism - 125 V DPDT Separate clock motor and circuit terminals	1	4.0	V	80020 5	510.99	332.15	255.50
T7801BL	Flush Case W/ Lock - 125 V DPDT Separate clock motor and circuit terminals	1	11.0	K	46705 7	357.59	232.44	178.80
T7802B	NEMA 1 - 208-277 V DPDT Separate clock motor and circuit terminals	6	55.0	I	46421 6	182.09	118.36	91.05
T7802BCL	Flush Case W/ Lock - 208-277 V DPDT Separate clock motor and circuit terminals	1	12.0	K	80017 5	719.78	467.86	359.89
T7805B	NEMA 1 - 480 V DPDT Separate clock motor and circuit terminals	6	55.0	I	46102 4	190.33	123.71	95.17
T8805M101C	Mechanism - 125 V SPST 15 Amp	12	16.0	H	11822 5	92.83	60.34	46.42
T8805P101C	NEMA 3R - Plastic Case 125 V SPST 15 Amp	6	28.8	B	70075 8	116.49	75.72	58.25
T8845PV	NEMA 3R - Plastic Case 125 V SPST With 24 V 20 VA Transformer	6	33.5	B	70074 1	129.40	84.11	64.70
V45471CR	NEMA 3R - 125 V 4PST w/ Carryover	1	8.8	J	11867 6	893.46	580.75	446.73
V45471CR30	NEMA 3R - 125 V 4PST w/ Carryover	1	8.8	J	11865 2	893.46	580.75	446.73
V45471CR34	NEMA 3R - 125 V 4PST w/ Carryover	1	8.8	J	11866 9	893.46	580.75	446.73
V45471CR42	NEMA 3R - 125 V 4PST w/ Carryover	1	8.8	J	11867 6	893.46	580.75	446.73
V45471R	NEMA 3R - 125 V 4PST	1	8.3	J	11871 3	240.87	156.57	120.44
V45471R30	NEMA 3R - 125 V 4PST	1	8.3	J	11869 0	240.87	156.57	120.44
V45471R34	NEMA 3R - 125 V 4PST	1	8.3	J	11870 6	240.87	156.57	120.44
V45471R42	NEMA 3R - 125 V 4PST	1	8.3	J	11871 3	240.87	156.57	120.44
V45472CR	NEMA 3R - 208-277 V 4PST w/ Carryover	1	8.8	J	11875 1	902.54	586.65	451.27
V45472CR30	NEMA 3R - 208-277 V 4PST w/ Carryover	1	8.8	J	11873 7	902.54	586.65	451.27
V45472CR34	NEMA 3R - 208-277 V 4PST w/ Carryover	1	8.8	J	11874 4	902.54	586.65	451.27
V45472CR42	NEMA 3R - 208-277 V 4PST w/ Carryover	1	8.8	J	11875 1	902.54	586.65	451.27
V45472R	NEMA 3R - 208-277 V 4PST	1	8.3	J	11879 9	252.22	163.94	126.11
V45472R30	NEMA 3R - 208-277 V 4PST	1	8.3	J	11877 5	252.22	163.94	126.11
V45472R34	NEMA 3R - 208-277 V 4PST	1	8.3	J	11878 2	252.22	163.94	126.11
V45472R42	NEMA 3R - 208-277 V 4PST	1	8.3	J	11879 9	252.22	163.94	126.11
WH40	NEMA 1 - 250 V DPST w/ External Manual Override Switch "Little Gray Box"	12	33.0	A	00740 6	104.85	68.15	52.43
WH80	NEMA 1 - 208-277 V DPST Normally Closed Contacts w/ 7 Day Skipper	12	18.0	A	10453 2	123.19	80.07	61.59
CW/WG MOTORS								
CW1570-10D	24 Volt 60 Hertz Motor New Style T100, T170, T100R201, T1400, T100-20 and WH Series	1	0.2	BB	10828 8	35.72	23.22	17.86
CW190-10D	24 Volt 60 Hertz Motor LS7000 Series	1	0.2	BB	10839 4	37.85	24.60	18.92
CW430-10	24 Volt 60 Hertz Motor Old Style T100, T170, T100R201, T1400, T100-20 and WH Series	1	0.2	BB	10843 1	35.72	23.22	17.86
CW690-10	24 Volt 60 Hertz Motor V47000, V48000 and V49000 Series	1	0.2	BB	10845 5	35.72	23.22	17.86
CW720-10	24 Volt 60 Hertz Motor T2000 Series	1	0.2	BB	10846 2	35.72	23.22	17.86
CW730-10	24 Volt 60 Hertz Motor for T1900, T8800 and R8800 Series	1	0.2	BB	10848 6	35.72	23.22	17.86
CW770-10	24 Volt 60 Hertz Motor For C8865 And C8866	1	0.2	BB	10852 3	35.72	23.22	17.86

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
CW/WG MOTORS (cont'd.)								
CW800-11D	24 Volt 60 Hertz Motor For C8855	1	0.2	BB	10854 7	35.72	23.22	17.86
WG1380-11	125 Volt 60 Hertz Motor for V45400 and V46400 Series	1	0.2	BB	11902 4	22.08	14.35	11.04
WG1381-10	125 Volt 50 Hertz Motor for V45400 and V46400 Series	1	0.2	BB	11903 1	30.07	19.54	15.03
WG1383-11	208-277 Volt 60 Hertz Motor for V45400 and V46400 Series	1	0.2	BB	11905 5	23.48	15.26	11.74
WG1384-10	208-277 Volt 50 Hertz Motor for V45400 and V46400 Series	1	0.2	BB	11906 2	32.91	21.39	16.45
WG1384-10D	208-277 Volt 50 Hertz Motor for V45400 and V46400 Series	1	0.2	BB	11907 9	32.91	21.39	16.45
WG1570-10	120V Clock Motor -T100 Series	1	0.3	-	11911 6	23.19	15.07	11.60
WG1570-10D	125 Volt 60 Hertz Motor for T100, T170, T100R201, T1400, T100-20 and WH Series	1	0.2	BB	02011 5	23.19	15.07	11.60
WG1571-10D	125 Volt 50 Hertz Motor for T100, T170, T100R201, T1400, T100-20 and WH Series	1	0.2	BB	11919 2	30.07	19.54	15.03
WG1573-10	208-277 V Clock Motor - T100 Series	1	0.3	-	11924 6	24.34	15.82	12.17
WG1573-10D	208-277 Volt 60 Hertz Motor for T100, T170, T100R201, T1400, T100-20 and WH Series	1	0.2	BB	02012 2	24.34	15.82	12.17
WG1574-10D	208-277 Volt 50 Hertz Motor for T100, T170, T100R201, T1400, T100-20 and WH Series	1	0.2	BB	11932 1	32.91	21.39	16.45
WG1576-10D	480 Volt 60 Hertz Motor for T100, T170, T100R201, T1400, T100-20 and WH Series	1	0.2	BB	11938 3	40.19	26.12	20.09
WG1600-11	125 Volt 60 Hertz Motor for T1900, T8800 and R8800 Series	1	0.2	BB	11939 0	22.08	14.35	11.04
WG1603-11D	208-277 Volt 60 Hertz Motor for T1900, T8800 and R8800 Series and T7400/T7800 Series	1	0.2	BB	11945 1	23.48	15.26	11.74
WG1606-11	480 Volt 60 Hertz Motor for T1900, T8800 and R8800 Series	1	0.2	BB	11948 2	40.19	26.12	20.09
WG1720-1	125 Volt 60 Hertz Motor Malibu Replacement	1	0.2	BB	60013 3	23.20	15.08	11.60
WG1750-10	125 Volt 60 Hertz Motor Malibu Replacement	1	0.2	BB	11949 9	23.20	15.08	11.60
WG190-15D	125 Volt 60 Hertz Motor for LS7000 Series	1	0.2	BB	11956 7	23.83	15.49	11.91
WG191-10	125 Volt 50 Hertz Motor for LS7000 Series	1	0.2	BB	11957 4	33.31	21.65	16.66
WG194-10	208-277 Volt 50 Hertz Motor for LS7000 Series	1	0.2	BB	11960 4	35.72	23.22	17.86
WG230-13D	125 Volt 60 Hertz Motor for E1000 Series (not E1100 or E1200)	1	0.2	BB	11966 6	23.20	15.08	11.60
WG233-13	208-277 Volt 60 Hertz Motor for E1000 Series (not E1100 or E1200)	1	0.2	BB	60037 9	24.34	15.82	12.17
WG430-10D	125 Volt 60 Hz Old Style Motor for T100, T170, T100R201, T1400, T100-20 & WH Series	1	0.2	BB	11972 7	23.20	15.08	11.60
WG430-20D	125 Volt 60 Hz Old Style Motor for T100, T170, T100R201, T1400, T100-20 & WH Series	1	0.2	BB	02009 2	23.20	15.08	11.60
WG433-10D	208-277 V 60 Hz Old Style Mtr for T100, T170, T100R201, T1400, T100-20 & WH Series	1	0.2	BB	11976 5	24.34	15.82	12.17
WG433-20D	208-277 V 60 Hertz Old Style Mtr for T100, T170, T100R201, T1400, T100-20 & WH Series	1	0.2	BB	02010 8	24.34	15.82	12.17
WG434-20	208-277 V 50 Hz Old Style Mtr for T100, T170, T100R201, T1400, T100-20 & WH Series	1	0.2	BB	11978 9	32.91	21.39	16.45
WG436-20	480 Volt 60 Hz Old Style Mtr for T100, T170, T100R201, T1400, T100-20 & WH Series	1	0.2	BB	99999 3	40.19	26.12	20.09
WG630D	125 Volt 60 Hertz Motor Malibu Replacement	1	0.2	BB	02013 9	23.20	15.08	11.60
WG720-10D	125 Volt 60 Hertz Motor for T2000 Series	1	0.2	BB	11997 0	22.08	14.35	11.04
WG723-10D	208-277 Volt 60 Hertz Motor for T2000 Series	1	0.2	BB	11999 4	23.48	15.26	11.74
WG724-10	208-277 Volt 50 Hertz Motor for T2000 Series	1	0.2	BB	12000 6	32.91	21.39	16.45
WG730-14D	125 Volt 60 Hertz Motor for T1900, T8800 and R8800 Series	1	0.2	BB	05429 5	22.08	14.35	11.04
WG733-14D	208-277 Volt 60 Hertz Motor for T1900, T8800 and R8800 Series	1	0.2	BB	12005 1	23.48	15.26	11.74
WG734-15	208-277 Volt 50 Hertz Motor for T1900, T8800 and R8800 Series	1	0.2	BB	12006 8	32.91	21.39	16.45
WG736-14	480 Volt 60 Hertz Motor for T1900, T8800 and R8800 Series	1	0.2	BB	12008 2	40.19	26.12	20.09
WG750-010D	125 Volt 60 Hertz Motor For C8845	1	0.2	BB	12010 5	23.20	15.08	11.60
WG760-10	125 Volt 60 Hertz Motor For C8825	1	0.2	BB	12011 2	23.20	15.08	11.60
WG770-10D	125 Volt 60 Hertz Motor For C8865 And C8866	1	0.2	BB	12013 6	23.20	15.08	11.60
WG773-10	208-277 Volt 60 Hertz Motor For C8865 And C8866	1	0.2	BB	12014 3	24.34	15.82	12.17
WG774-10	208-277 Volt 50 Hertz Motor For C8865 And C8866	1	0.2	BB	12015 0	32.91	21.39	16.45
WG780-12D	125 Volt 60 Hertz Motor For C8835	1	0.2	BB	12017 4	23.20	15.08	11.60
WG790-11D	125 Volt 60 Hertz Motor For C8815	1	0.2	BB	12019 8	23.20	15.08	11.60
WG800-11	125 Volt 60 Hertz Motor For C8855	1	0.2	BB	12020 4	23.20	15.08	11.60
WP SERIES - WEATHERPROOF COVERS - WHILE IN USE								
WP1000	Single Gang Vertical 2-1/4" Deep w/Duplex and GFCI Inserts	6	2.5	AQ	02249 2	13.30	8.65	6.65
WP1000C	Clamshell Pack Single Gang Vertical 2-1/4" Deep w/Duplex and GFCI Inserts	6	2.5	AR	02251 5	13.30	8.65	6.65
WP1000GC	Clamshell Pack Single Gang Vertical 2-1/4" Deep w/Duplex and GFCI Inserts	6	2.5	AR	04399 2	13.30	8.65	6.65
WP1000HC	Clamshell Pack Single Gang Horizontal 2-1/4" Deep w/Duplex and GFCI Inserts	6	2.5	AS	02808 1	13.30	8.65	6.65
WP1000HGC	Clamshell Pack Single Gang Horizontal 2-1/4" Deep w/Duplex and GFCI Inserts	6	2.5	AS	04403 6	13.30	8.65	6.65
WP101	Single Gang Duplex (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.3	BC	04332 9	3.80	2.47	1.90
WP1010	Single Gang Vertical 3-1/8" Deep w/Duplex and GFCI Inserts	6	2.6	AQ	02250 8	13.30	8.65	6.65
WP1010C	Clamshell Pack Single Gang Vertical 3-1/8" Deep w/Duplex and GFCI Inserts	6	2.6	VV	02252 2	13.30	8.65	6.65
WP1010GC	Clamshell Pack Single Gang Vertical 3-1/8" Deep w/Duplex and GFCI Inserts	6	2.6	VV	04400 5	13.30	8.65	6.65
WP1010HC	Clamshell Pack Single Gang Horizontal 3-1/8" Deep w/Duplex and GFCI Inserts	6	2.6	AW	02809 8	13.30	8.65	6.65
WP1010HGC	Clamshell Pack Single Gang Horizontal 3-1/8" Deep w/Duplex and GFCI Inserts	6	2.6	AW	04404 3	13.30	8.65	6.65
WP1010HMC	Clamshell Pack Single Gang Horizontal 3-1/8" Deep w/ Double Duplex and GFCI Inserts	6	3.6	AZ	05194 2	18.75	12.19	9.38
WP1010MC	Clamshell Pack Single Gang Vertical 3-1/8" Deep w/ Double Duplex and GFCI Inserts	6	3.6	AY	05193 5	18.75	12.19	9.38
WP102	Single Gang GFCI (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.3	BC	04333 6	3.80	2.47	1.90
WP1020	2 Gang or Single Gang 2-1/4" Deep w/Single Gang Duplex and GFCI Inserts	6	4.5	AT	00229 6	17.20	11.18	8.60
WP1020C	Clamshell Pack 2 Gang or Single Gang 2-1/4" w/ 1 Gang Duplex and GFCI Inserts	6	4.5	AU	00322 4	17.20	11.18	8.60
WP1020GC	Clamshell Pack 2 Gang or Single Gang 2-1/4" w/ 1 Gang Duplex and GFCI Inserts	6	4.5	AU	04401 2	17.20	11.18	8.60
WP103	Single Gang Toggle Switch (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.1	BC	00281 4	3.80	2.47	1.90
WP1030	2 Gang or Single Gang 3-1/8" Deep w/Single Gang Duplex and GFCI Inserts	6	4.8	AT	00228 9	22.20	14.43	11.10
WP1030C	Clamshell Pack 2 Gang or 1 Gang 3-1/8" Deep w/ 1 Gang Duplex and GFCI Inserts	6	4.8	AU	00323 1	22.20	14.43	11.10
WP1030GC	Clamshell Pack 2 Gang or 1 Gang 3-1/8" Deep w/ 1 Gang Duplex and GFCI Inserts	6	4.8	AU	04402 9	22.20	14.43	11.10
WP1030MC	Clamshell Pack 2 Gang or 1 Gang 3-1/8" Deep w/ 2 Gang Double Duplex and GFCI Inserts	6	6.5	BA	05195 9	26.90	17.49	13.45
WP104	Single Gang 1-3/8" Round (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.1	BC	00282 1	3.80	2.47	1.90

ENERGY CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
WP SERIES -WEATHERPROOF COVERS - WHILE IN USE (cont'd.)								
WP105	Single Gang 1-5/8" Round (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.1	BC	00283 8	3.80	2.47	1.90
WP1050	Clamshell Pack 2 Gang or 1 Gang 4-3/4" Deep w/ 1 Gang Duplex and GFCI Inserts	6	5.0	AX	02813 5	27.50	17.88	13.75
WP1050G	Clamshell Pack 2 Gang or 1 Gang 4-3/4" Deep w/ 1 Gang Duplex and GFCI Inserts	6	5.0	AX	04398 5	27.50	17.88	13.75
WP106	Single Gang 1-3/4" Round (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.1	BC	00284 5	3.80	2.47	1.90
WP107	Single Gang Combo 1-3/8", 1-5/8" and 1-3/4" (For All 2 Gang Covers/Cast/Jumbo)	1	0.1	BC	06262 7	3.80	2.47	1.90
WP11	Single Gang Duplex (For Single Gang Vertical or Horizontal Covers Only)	1	0.1	BC	06782 0	3.60	2.34	1.80
WP1100C	Display Pack Single Gang Vertical or Horiz. 2-1/4" Deep w/ (WP17) Inserts Flexi-Guard	6	2.6	AQ	07281 7	13.30	8.65	6.65
WP1110C	Display Pack Single Gang Vertical or Horiz. 3-1/8" Deep w/ (WP17) Inserts Flexi Guard	6	2.8	AQ	07282 4	13.30	8.65	6.65
WP1150C	Display Pack Single Gang Vertical or Horiz. 4-3/4" Deep w/ (WP17) Inserts Flexi Guard	6	3.0	AT	07283 1	19.50	12.68	9.75
WP12	Single Gang GFCI (For Single Gang Vertical or Horizontal Covers Only)	1	0.1	AG	06783 7	3.60	2.34	1.80
WP1220C	Display Pk 2 Gang 2-1/4" Deep w/GFCI, Duplex,Toggle/Rnd (WP217) Inserts Flexi Guard	6	4.5	AT	07269 5	17.20	11.18	8.60
WP1230C	Display Pk 2 Gang 3-1/8" Deep w/GFCI, Duplex,Toggle/Rnd (WP217) Inserts Flexi Guard	6	4.8	AT	07270 1	22.20	14.43	11.10
WP1250C	Display Pk 2 Gang 4-3/4" Deep w/GFCI, Duplex,Toggle/Rnd (WP217) Inserts Flexi Guard	6	5.0	AX	07271 8	27.50	17.88	13.75
WP13	Single Gang Toggle Switch (For Single Gang Vertical or Horizontal Covers Only)	1	0.1	BC	02253 9	3.60	2.34	1.80
WP14	Single Gang 1-3/8" Round (For Single Gang Vertical or Horizontal Covers Only)	1	0.1	BC	02254 6	3.60	2.34	1.80
WP15	Single Gang 1-5/8" Round (For Single Gang Vertical or Horizontal Covers Only)	1	0.1	BC	02952 1	3.60	2.34	1.80
WP16	Combo 1-3/8", 1-5/8" and 1-3/4" Round (For Single Gang Vert. or Horiz. Cvrs Only)	1	0.1	BC	06259 7	3.60	2.34	1.80
WP17	(3) Inserts-Duplex, GFCI, Toggle/Rnd 1-3/8, 1-5/8, 1-3/4, 2-1/8 Dia. One Gang Flexi Guard	1	0.1	BC	07299 2	3.60	2.34	1.80
WP201	2 Gang Duplex w/Gasket (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.1	BC	00285 2	3.80	2.47	1.90
WP202	2 Gang GFCI w/ Gasket (For All 2 Gang Covers Including Die Cast and Jumbo)	1	0.1	BC	00286 9	3.80	2.47	1.90
WP203	2 Gang Duplex/Toggle w/Gasket (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	00287 6	3.80	2.47	1.90
WP204	2 Gang GFCI/Toggle w/Gasket (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	00288 3	3.80	2.47	1.90
WP205	2 Gang Duplex/GFCI w/Gasket (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	00289 0	3.80	2.47	1.90
WP206	2 Gang Duplex/ 1-3/8" Round (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	00290 6	3.80	2.47	1.90
WP207	2 Gang 2-5/32" Round (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	04269 8	3.80	2.47	1.90
WP208	2 Gang 2-21/32" Round (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	04270 4	3.80	2.47	1.90
WP209	2 Gang Toggle/1-3/8" Round w/Gasket (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	02417 5	3.80	2.47	1.90
WP210	2 Gang Toggle/1-5/8" Round w/Gasket (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	02953 8	3.80	2.47	1.90
WP211	2 Gang GFCI/ 1-5/8" w/Gasket (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	02954 5	3.80	2.47	1.90
WP212	2 Gang Double Toggle w/Gasket (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	04773 0	3.80	2.47	1.90
WP213	2 Gang Combo 2-5/32" / 2-21/32" (For All 2 Gang Covers/Cast/ Jumbo)	1	0.1	BC	06263 4	3.80	2.47	1.90
WP217	(6) Inserts (2) Each-Duplex, GFCI, Toggle/Rnd 1-3/8 & 1-5/8 Dia Two Gang Flexi Guard	1	0.1	BC	07300 5	3.80	2.47	1.90
WP500D	Insert Dump Display w/ Approx 60 Inserts (Mix Subject To Change)	9	0.1	BD	05433 2	210.00	136.50	105.00

POOL AND SPA CONTROL PRODUCTS

ACCESSORIES AND REPLACEMENT PARTS								
PA600	Pump Shut-Off Switch	6	3.25	AE	06725 7	20.60	13.39	10.30
156PB10398A	(2) On (2) Off Trripers for P1000 Series Timers	1	N/A	-	N/A	1.00	0.65	0.50
119T252	Transformer - 300 Watt	1	9.0	-	N/A	63.70	41.41	31.85
119T267	Transformer - 100 Watt	1	3.0	-	N/A	48.50	31.53	24.25
124T2087A	Buss Bar Assembly	1	0.1	-	10120 3	27.20	17.68	13.60
143T135	Double Pole Single Throw Relay with 240V Coil	1	0.4	-	04649 8	33.00	21.45	16.50
143T136	Double Pole Single Throw Relay with 120V coil	1	0.4	-	04650 4	33.00	21.45	16.50
178T24	Freeze Protection Thermostat	1	0.4	-	04651 1	36.00	23.40	18.00
21T156A	(4) Stand-off for Mounting Wiring Devices	1	0.4	-	02507 3	6.40	4.16	3.20
24T5265A	Snap-in Bracket for (2) Wiring Devices	2	1.0	-	04461 6	18.10	11.77	9.05
133RC1144	Pressure Sensing Momentary Air Switch 3 Amp.	1	0.2	-	05165 2	14.40	9.36	7.20
133RC1151A	Extra Sensitive Pressure Sensing Momentary Air Switch 3 Amp.	1	0.2	-	05140 9	16.30	10.60	8.15
143RC127	Relay DPST - 24 Volt DC	1	0.4	-	N/A	33.00	21.45	16.50
143RC140	Four Function Stepper Relay	1	0.5	-	05164 5	63.90	41.54	31.95
143RC87	Bi-Stable Relay DPST, 1 H.P.-120V, 2 H.P. - 240V, 120V Coil	1	0.3	-	10280 4	43.80	28.47	21.90
RC112	Air Tubing - 25 Ft. Long	10	3.8	AN	70111 3	5.70	3.75	2.85
RC117	Air Tubing - 75 Ft. Long	10	12.0	FH	70112 0	12.80	8.32	6.40
RC122B	Air Tubing - 25 Ft. Long w/RC4G Button	10	4.5	AN	06554 3	16.90	10.99	8.45
RC127B	Air Tubing - 75 Ft. Long w/RC4G Air Button	10	13.0	FH	06555 0	25.50	16.58	12.75
RC150	Air Tubing - 500 Ft. Long	1	15.0	FI	06551 2	92.70	60.26	46.35
RC4F	Air Button for Fiberglass Construction - 100 Ft. Range	10	1.0	FG	06550 5	14.40	9.36	7.20
RC4G	Air Button for Gunite Construction - 100 Ft. Range	10	1.0	FG	06419 5	14.40	9.36	7.20
RC510	Tube Coupler - 10 Units	1	0.1	FP	04974 1	9.10	5.92	4.55
RC6F	Air Button for Gunite/Fiberglass Construction - 150 Ft. Range	10	1.8	FG	06553 6	14.40	9.36	7.20
PORTABLE TIMERS								
P1101	Two On/Off Settings - Plastic Enclosure	10	17.5	FA	06111 8	28.60	18.59	14.30
P1101R	Same as P1100 with Radio Override	1	17.5	FA	06566 6	114.20	74.23	57.10
P1103M	Radio Compatible Timer Mechanism	12	20.3	EV	06763 9	60.00	39.00	30.00
P1131	Two On/Off Settings - 20 Amp Twist Lock	10	19.5	FA	06098 2	53.00	34.45	26.50
P1161	Same as P1101 with GFCI	10	17.5	FA	06097 5	63.20	41.08	31.60
P7103ME	Radio Compatible Timer Mechanism - 7 Day Electronic 120-240V	12	18.5	EV	07158 2	120.00	78.00	60.00
PANELMOUNT TIMERS								
PB373EB	SPST - 120V 7-Day Electronic	36	8.0	AE	07360 9	32.60	21.19	16.30
PB374EB	SPST - 240V 7-Day Electronic	36	8.0	AE	07361 6	32.60	21.19	16.30
PB473E	SPDT - 120V 7-Day Electronic	36	8.0	AE	N/A	34.70	22.56	17.35
PB474E	SPDT - 240V 7-Day Electronic	36	8.0	AE	N/A	34.70	22.56	17.35

POOL AND SPA CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
PANELMOUNT TIMERS (cont'd.)								
PB873MKZ	SPST - 125V 7-Day Mechanism	36	16.0	FM	70148 9	25.50	16.58	12.75
PB874MKZ	SPST - 208-277V 7-Day Mechanism	36	16.0	FM	70149 6	28.60	18.59	14.30
PB913N	SPST - 125V 24 Hr. Mechanism	36	16.0	FM	70146 5	24.50	15.93	12.25
PB913N66	24 Hr. Panel Mount timer, 120 VAC for PF & RC Series Products	36	16.0	FM	04647 4	28.30	18.40	14.15
PB913N83	SPST - 125V 24 Hr. Mechanical 2 ON/2 OFF	36	16.0	FM	N/A	20.40	13.26	10.20
PB914N	SPST - 208-277V 24 Hr. Mechanism	36	16.0	FM	11560 6	27.30	17.75	13.65
PB914N66	24 Hr. Panel Mount Timer, 240 VAC for PF Series Products	36	16.0	FM	04648 1	30.40	19.76	15.20
The standard "PB" mechanisms listed have four 1/4 inch male quick connect terminals and permanently attached orange trippers.								
PF1000 AND FREEZE PROTECTORS SERIES								
PF1102	Thermostat in Rainproof Enclosure for 240V Installation	6	20.5	B	04176 9	108.10	70.27	54.05
PF1102M	Thermostat Only, 240V - Fits T10000R, T30000R, T40000R Panels	12	16.0	EV	04177 6	85.70	55.71	42.85
PF1102MT	Timer w/T-Stat, 240V - Fits T10000R, T30000R, T40000 Panels	12	18.5	EV	04708 2	128.50	83.53	64.25
PF1102T	Timer w/Thermostat in Rainproof Enclosure, 240V Installation	6	22.0	B	04178 3	169.30	110.05	84.65
PF1103	Thermostat, Rainproof Enclosure, 120/240V. Must have neutral on 240V	6	20.5	B	04057 1	114.20	74.23	57.10
PF1103M	Thermostat Only, 120/240V - Fits T10000R, T30000R, T40000R Panels	12	16.0	EV	04058 8	89.80	58.37	44.90
PF1103MT	Timer w/T-Stat, 120/240V - Fits T10000R, T30000R, T40000 Panels	12	18.5	EV	04060 1	132.60	86.19	66.30
PF1103T	Timer w/Thermostat, Rainproof Enclosure, 102/240V. Neutral on 240V	6	22.0	B	04059 5	174.40	113.36	87.20
PF1112T	For Pools/Spas Requiring One Time Switch, 240V	1	10.0	M	07140 7	206.00	133.90	103.00
PF1202T	For Pools w/Cleaner Requiring Two Time Switches, 240V	1	10.0	M	07359 3	312.10	202.87	156.05
PF1222TB	Same as PF1202T with 8/16 Breaker Panel and Fireman Switch	1	10.0	FF	05618 3	375.40	244.01	187.70
PX100	Transformer - 100 Watt	1	7.0	EZ	02409 0	83.60	54.34	41.80
PX100S	Transformer - 100 Watt, Stainless Steel Enclosure	1	7.0	EZ	06756 1	100.00	65.00	50.00
PX300	Transformer - 300 Watt	1	11.8	EZ	02410 6	94.90	61.69	47.45
PX300S	Transformer - 300 Watt, Stainless Steel Enclosure	1	11.8	EZ	06757 8	116.30	75.60	58.15
RC2000 SERIES - AIR SWITCHES								
RC2103E	120/240v 50/60 Hz On/Off (SPST)	12	9.0	FE	00373 6	32.60	21.19	16.30
RC2103S	120/240V 50/60 Hz. On/Off (SPST)	12	15.0	FE	00370 5	73.40	47.71	36.70
RC2112S	240V 50/60 Hz. On/Off (DPST)	12	15.0	FE	02728 2	77.50	50.38	38.75
RC2113ST	120/240V 60 Hz. On/Time Delay Off (DPST)	12	12.0	FE	02700 8	108.10	70.27	54.05
RC2123MT	120/240V SPDT One circuit Air Switch Mechanism w/Timer	12	23.2	EV	04848 5	100.00	65.00	50.00
RC2123PT	120/240V SPDT One Circuit Air Switch w/Timer in Plastic Enclosure	6	22.5	B	02802 9	120.40	78.26	60.20
RC2123S	120/240V 50/60 Hz. High/Low (SPDT)	12	15.0	FE	00371 2	81.60	53.04	40.80
RC2133M	120/240V DPDT One Circuit Air Switch Mechanism	12	20.5	EV	04847 8	61.20	39.78	30.60
RC2133P	120/240V DPST One Circuit Air Switch in Plastic Enclosure	6	20.0	B	04827 0	81.60	53.04	40.80
RC2163	One Button Pool-to-Spa Air Control w/2 Actuator Button & Air Hose	1	19.4	FB	06426 3	785.40	510.51	392.70
RC2163R	Same as RC2163 with Radio Remote	1	11.0	FD	N/A	816.00	530.40	408.00
RC2233M	120/240V Two Circuit Air Switch Mechanism	12	24.0	EV	04849 2	118.30	76.90	59.15
RC2233P	120/240V DPDT and DPST Two Circuit Air Switch in Plastic Enclosure	6	25.0	B	02803 6	138.70	90.16	69.35
RC2263	Two Button Pool-to-Spa Air Control w/2 Actuator Button & Air Hose	1	23.7	FC	06427 0	867.00	563.55	433.50
RC2263B	Same as RC2263 in 8/16 Sub-Panel	1	28.1	FD	06428 7	918.00	596.70	459.00
RC2343M	120/240V (4) Function Air Switch Mechanism	12	25.0	EV	04850 8	122.40	79.56	61.20
RC2343MT	120/240V (4) Function Air Switch Mechanism w/Timer	12	27.5	EV	04851 5	179.50	116.68	89.75
RC2343P	120/240V (4) Function Two Circuit Air Switch in Plastic Enclosure	6	21.0	B	04853 9	142.80	92.82	71.40
RC2343PT	120/240V (4) Function Two Circuit Air Switch w/Timer - Plastic Encl.	6	20.0	B	04854 6	191.80	124.67	95.90
RC2491RT11	120/240V (4) Function + 1 Circuit Air Switch w/Timer - Metal Encl.	1	10.6	J	70102 1	267.20	173.68	133.60
RC SERIES REMOTE CONTROLS								
RC613	Single Channel Receiver	6	3.5	AE	06755 4	80.00	52.00	40.00
RC613L	Sames as RC613 with 36 In. Leads	6	4.5	AE	07180 3	84.00	54.60	42.00
RC613R	Heavy Duty Receiver and Relay Assembly	6	9.5	EW	06766 0	120.00	78.00	60.00
RC615	Single Channel Timer Override Module	6	3.3	AE	06754 7	92.00	59.80	46.00
RC939	3-Channel Transmitter	6	3.3	AE	06758 5	60.00	39.00	30.00
NOTE: The above listed RC2000 Series Air Controls do not include air button(s) nor air hose, they must be ordered separately.								
T10000, T20000, T30000, AND T40000 SERIES CONTROL PANELS								
T10000R	Outdoor Enclosure Only * 10 X 10 X 4.5 In.	1	8.0	M	11679 5	105.10	68.32	52.55
T10004R	One T104M in Outdoor Enclosure	1	9.1	M	11680 1	133.90	87.04	66.95
T10004RT1	Control Panel - T104M, 100 Watt Transformer	1	16.0	M	75503 1	198.90	129.29	99.45
T10004RT3	Control Panel - T104M, 300 Watt Transformer	1	26.0	M	75504 8	222.40	144.56	111.20
T10101R	Two T101M in Outdoor Enclosure	1	10.2	M	00257 9	154.50	100.43	77.25
T10404R	Two T104M in Outdoor Enclosure	1	10.2	M	11710 5	164.80	107.12	82.40
T10604R	T106M + T104M in Outdoor Enclosure	1	10.2	M	04852 2	166.90	108.49	83.45
T12404R	T104M201 (Mech. w/Fireman Switch) + T104M in Outdoor Enclosure	1	10.5	M	02873 9	179.20	116.48	89.60
T20001R1	T101M in 12 x 8 x 4 In. Outdoor Enclosure	1	12.0	M	75505 5	133.90	87.04	66.95
T20001RE	EP101CM in 12 X 8 X 4 In. Outdoor Enclosure	1	11.0	E	07297 8	152.40	99.06	76.20
T20004R	T104M in 10 X 10 X 4.5 In. Outdoor Enclosure	1	12.0	M	75506 2	146.20	95.03	73.10
T20004R1	T104M in 12 X 8 X 4 In. Outdoor Encisoure	1	11.0	E	06258 0	138.00	89.70	69.00
T20004RE	EP104CM in 12 X 8 X 4 In. Outdoor Enclosure	1	11.0	E	07298 5	168.90	109.79	84.45
T30000R5	Outdoor Enclosure Only * 16 X 10 X 4.5 In.	1	15.0	EX	70023 9	173.00	112.45	86.50
T30004R	One T104M in Outdoor Enclosure	1	17.0	EX	12435 6	187.50	121.88	93.75
T30401R	T104M + T101M in Outdoor Enclosure	1	18.0	EX	12430 1	208.10	135.27	104.05
T30404R	Two T104M in Outdoor Enclosure	1	18.0	EX	12431 8	212.20	137.93	106.10

POOL AND SPA CONTROL PRODUCTS

MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
T10000, T20000, T30000, AND T40000 SERIES CONTROL PANELS (cont'd.)								
T32404R	T104M201 (Mech. w/Fireman Switch) + T104M in Outdoor Enclosure	1	19.0	EX	12433 2	230.70	149.96	115.35
T40000R	Outdoor Enclosure Only * 20 X 12 X 4.5 In.	1	17.0	EY	75500 0	185.40	120.51	92.70
T40000R4	Outdoor Enclosure Only ** 20 X 12 X 4.5 In.	1	17.0	EY	04307 7	222.50	144.63	111.25
T40004R	One T104M in Outdoor Enclosure	1	18.0	EY	75501 7	193.60	125.84	96.80
T40004RT1	Subpanel - T104M, 100 Watt Transformer	1	27.0	EY	02377 2	238.70	155.16	119.35
T40004RT3	Subpanel - T104M, 300 Watt Transformer	1	32.0	EY	11813 3	255.00	165.75	127.50
T40404R	Two T104M in Outdoor Enclosure	1	19.0	EY	75502 4	224.50	145.93	112.25
* Enclosure only, with two mounting brackets for installing any one or two time switch, air switch and/or freeze protection mechanism(s).								
** Enclosure only, with inside wiring compartment for (2) wiring devices.								

NOTE: For enclosure and time switch, air switch, freeze protection combinations, order enclosure only (T10000R etc.) and desired mechanism(s) separately.

ELECTRASOURCE

ES103A	3' trac section, almond	5	0.47	DA	05500 1	6.41	4.17	3.20
ES103W	3' trac section, white	5	0.47	DA	05501 8	6.41	4.17	3.20
ES105A	5' trac section, almond	5	0.79	DB	05504 9	8.69	5.65	4.34
ES105LA	5' cover section, almond	5	0.19	DB	05507 0	4.21	2.74	2.11
ES105LW	5' cover section, white	5	0.19	DB	05509 4	4.21	2.74	2.11
ES105W	5' trac section, white	5	0.79	DB	05506 3	8.69	5.65	4.34
ES108A	8' trac section, almond	5	1.32	DC	05510 0	13.88	9.02	6.94
ES108W	8' trac section, white	5	1.32	DC	05512 4	13.88	9.02	6.94
ES200A	15 amp receptacle, almond	6	0.11	DD	05515 5	7.31	4.75	3.65
ES200W	15 amp receptacle, white	6	0.11	DD	05517 9	7.31	4.75	3.65
ES210A	15 amp captive receptacle, almond	6	0.11	DE	05518 6	8.12	5.28	4.06
ES210W	15 amp captive receptacle, white	6	0.11	DE	05520 9	8.12	5.28	4.06
ES220A	20 amp captive receptacle, almond	6	0.11	DD	06182 8	12.26	7.97	6.13
ES220W	20 amp captive receptacle, white	6	0.11	DD	06183 5	12.26	7.97	6.13
ES401A	Vertical plug-in starter with 15 amp fuse, almond	6	0.22	DF	06303 7	18.88	12.27	9.44
ES401W	Vertical plug-in starter with 15 amp fuse, white	6	0.22	DF	06304 4	18.88	12.27	9.44
ES411A	Horizontal plug-in starter with 15 amp fuse, almond	6	0.25	DF	06301 3	30.85	20.05	15.42
ES411W	Horizontal plug-in starter with 15 amp fuse, white	6	0.25	DF	06302 0	30.85	20.05	15.42
ES420A	Hard-wired starter, 20 amp, almond	6	0.28	DG	05529 2	10.56	6.86	5.28
ES420W	Hard-wired starter, 20 amp, white	6	0.28	DG	05531 5	10.56	6.86	5.28
ES430A	Knockout hardwired starter, 20 amp, almond	6	0.23	DF	05532 2	11.54	7.50	5.77
ES430W	Knockout hardwired starter, 20 amp, white	6	0.23	DF	05534 6	11.54	7.50	5.77
ES444A	Assembled unit with 3' cord, 5' trac, cover, 3 receptacles(9 outlets), almond	5	1.70	DH	05869 9	64.19	41.72	32.09
ES444W	Assembled unit with 3' cord, 5' trac, cover, 3 receptacles(9 outlets), white	5	1.70	DH	05868 2	64.19	41.72	32.09
ES500A	Connector, Tee shape, almond	6	0.10	DG	05535 3	6.71	4.36	3.36
ES500W	Connector, Tee shape, white	6	0.10	DG	05537 7	6.71	4.36	3.36
ES510A	Connector, straight type, almond	6	0.07	DD	05538 4	5.99	3.89	2.99
ES510W	Connector, straight type, white	6	0.07	DD	05540 7	5.99	3.89	2.99
ES520A	Connector, inside corner, almond	6	0.13	DF	05541 4	8.10	5.26	4.05
ES520W	Connector, inside corner, white	6	0.13	DF	05543 8	8.10	5.26	4.05
ES530A	Connector, outside corner, almond	6	0.13	DF	05544 5	8.10	5.26	4.05
ES530W	Connector, outside corner, white	6	0.13	DF	05546 9	8.10	5.26	4.05
ES540A	Connector, swivel elbow, almond	6	0.13	DF	05781 4	12.00	7.80	6.00
ES540W	Connector, swivel elbow, white	6	0.13	DF	05782 1	12.00	7.80	6.00
ES560A	3-in-1 ceiling adapter, almond	6	0.25	DF	06593 2	34.44	22.39	17.22
ES560W	3-in-1 ceiling adapter, white	6	0.25	DF	06584 9	34.44	22.39	17.22
ES580A	Connector, flexible bridge, almond	6	0.13	DF	06630 4	28.82	18.73	14.41
ES580W	Connector, flexible bridge, white	6	0.13	DF	06631 1	28.82	18.73	14.41
ES600A	Single gang box, almond	6	0.55	DF	05872 9	39.42	25.62	19.71
ES600W	Single gang box, white	6	0.55	DF	05873 6	39.42	25.62	19.71
ES900A	End cap for trac sections, almond	6	0.04	DD	05547 6	5.31	3.45	2.66
ES900W	End cap for trac sections, white	6	0.04	DD	05549 0	5.31	3.45	2.66
ES901A	End cap for connector pieces, almond	6	0.02	DD	05550 6	3.14	2.04	1.57
ES901W	End cap for connector pieces, white	6	0.02	DD	05552 0	3.14	2.04	1.57
ES902A	Screw cover for connectors and 20 amp receptacle, almond	6	0.02	DD	05553 7	2.91	1.89	1.46
ES902W	Screw cover for connectors and 20 amp receptacle, white	6	0.02	DD	05555 1	2.91	1.89	1.46

LIGHTNING ARRESTORS

AG LIGHTING ARRESTOR

AG1BRKT	L Bracket for AG Series	12	0.80	FU	05199 7	2.31	1.50	1.15
AG2401	120/240V, single phase, 2 pole, 3 wire, box package	6	3.00	BX	00499 3	33.87	22.01	16.93
AG2401C	Same as AG2401 except with clamshell packaging	12	6.00	BY	02293 5	33.87	22.01	16.93
AG6503	600V, 3 phase, 3 pole, 3 wire, box package	6	6.00	BS	02619 3	67.86	44.11	33.93
AG6503C	Same as AG6503 except with clamshell packaging	6	6.00	BZ	04151 6	67.86	44.11	33.93
AG6503L	Same as AG6503 except with 36", 10 gauge leads, box package	6	6.00	BS	05362 5	73.50	47.78	36.75

SURGE SUPPRESSORS

IG INDUSTRIAL SURGE

24EG5133	Secures mounting bracket for all IG strips in extruded aluminum alloy housings	50	10.60	N/A	04056 4	9.35	6.08	4.67
IG11246	4 outlet with noise filter, 6' cord, lighted switch, indicator light, $10,000 coverage	6	10.50	BG	51700 4	57.08	37.10	28.54
IG11266	6 outlet with noise filter, 6' cord, lighted switch, indicator light, $10,000 coverage	6	12.70	BH	51701 1	60.51	39.33	30.25

SURGE SUPPRESSORS

	MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
	IG INDUSTRIAL SURGE (cont'd.)								
	IG11466	6 outlet w/premium noise filter, 6' cord, lighted switch, ind light, $10,000 coverage	6	14.50	BH	51702 8	84.48	54.91	42.24
	IG1201F20	120V, 20 amp series(in-line) Industrial Protector, NEMA 4 enclosure	1	3.00	FV	07124 7	258.30	167.90	129.15
	IG1240FMP2	Flushmount kit for IG1240R / IG1240RC	12	6.00	BV	00452 8	22.57	14.67	11.29
	IG1240RC	120/240V Single Phase, Residential Hardwired Protector, clamshell packaging	6	12.90	BT	02445 8	91.23	59.30	45.61
	IG13PIC	Single grounded outlet plug-in with indicator light, $5,000 coverage	12	2.25	BF	05198 0	20.15	13.10	10.08
	IG141	6 outlets, steel housing, 6 lighted switches, 9' cord, $10,000 coverage	6	27.30	BJ	00185 5	108.47	70.50	54.23
	IG141T	Same as IG141 except with phone/fax protection, $10,000 coverage	6	28.00	BJ	00187 9	137.05	89.08	68.53
	IG143	6 outlets, noise filter, steel housing, 6 lighted switches, 9' cord, $25,000 coverage	6	29.00	BJ	00186 2	142.77	92.80	71.39
	IG143T	Same as IG143 except with phone/fax protection, $25,000 coverage	6	30.00	BJ	00188 6	162.77	105.80	81.39
	IG15021	2 outlet with ind light, noise filter, phone/fax protection, 6' cord, $25,000 coverage	6	6.00	BG	51802 5	66.77	43.40	33.38
	IG1502E	2 outlet with indicator light, noise filter, coax protection, 6' cord, $25,000 coverage	6	7.90	BG	51805 6	119.88	77.92	59.94
	IG1866A	6 outlet with noise filter, 6' cord, alarm, lighted switch, $10,000 coverage	6	15.80	BK	02304 8	102.81	66.82	51.40
	IG1FMP-H	Flush mount plate for enhanced Commercial/Industrial models	1	1.00	CG	02396 3	17.48	11.36	8.74
	IG1SRMP	Allows any IG strip to be mounted on a 19" equipment rack	12	15.20	BR	02603 2	21.48	13.96	10.74
	IG2012B15	Same as IG20B12 except with 15' cord	6	21.40	BN	51601 4	139.29	90.54	69.64
	IG2046	4 spec grade outlets with noise filter, 6' cord, lighted switch, $25,000 coverage	6	12.80	BL	51703 5	129.06	83.89	64.53
	IG20615	6 spec grade outlets with noise filter, 15' cord, lighted switch, $25,000 coverage	6	21.80	BL	51706 6	159.89	103.93	79.94
	IG2066	6 spec grade outlets with noise filter, 6' cord, lighted switch, $25,000 coverage	6	15.80	BH	51704 2	140.48	91.31	70.24
	IG2086	8 spec grade outlets with noise filter, 6' cord, lighted switch, $25,000 coverage	6	16.50	BM	51705 9	159.89	103.93	79.94
	IG20B12	6 spec grade outlets w/noise filter, 6' cord, lighted switch, ind light, $5,000 coverage	6	15.40	BH	51600 7	122.16	79.40	61.08
	IG20B12A	6 spec grade outlets, replaceable surge module, alarm, 6' cord, $5,000 coverage	6	15.60	BH	00384 2	146.13	94.99	73.07
	IG2401F20	240V-1 phase, 20 amp series(in-line) Industrial Protector, NEMA 4 enclosure	1	3.00	FV	07125 4	291.10	189.22	145.55
	IG250LA	120/240V, handles 600 amp service, Lightning Arrester	4	12.00	BW	02398 7	143.50	93.28	71.75
	IG251	120/240V, handles 600 amp service, Surge Suppressor	4	12.00	BW	02399 4	143.50	93.28	71.75
	IG7638S551B	6 outlets mounted 90 degrees, lighted switch, steel housing, 15' cord	100	N/A	BP	04320 6	147.01	95.55	73.50
	IG9636S55	6 spec grade outlets, noise filter, lighted switch, steel housing, 6' cord	6	15.60	BH	02373 4	93.84	61.00	46.92
	IG9638S55	Same as IG9636S55 except with 15' cord	6	21.80	BH	02374 1	111.94	72.76	55.97
	IG9638S551B	Same as IG9636S55 except with 15' cord and a mounting bracket	100	N/A	BO	02621 6	124.39	80.86	62.20
	LH SERIES SURGE								
	IG1201LH	120V, Single phase, 2 wire plus ground, NEMA 12 enclosure	6	12.00	BU	51853 1	251.13	163.23	125.56
	IG2401LH	120/240V, Single phase, 3 wire plus ground, foot mounted, NEMA 12 enclosure	1	4.30	CE	02519 6	322.88	209.87	161.44
	IG2083LYH	120/208V, 3 phase WYE, 4 wire plus ground, foot mounted, NEMA 12 enclosure	1	4.50	CE	02520 2	476.63	309.81	238.31
	IG2403LDH	120/240V, 3 phase High Leg Delta, 4 wire plus ground, NEMA 12 enclosure	1	5.70	CE	02521 9	502.25	326.46	251.13
	IG4803LYH	277/480V, 3 phase WYE, 4 wire plus ground, NEMA 12 enclosure	1	5.30	CF	02522 6	625.25	406.41	312.63
	IG4803LDH	480V, 3 phase Delta, 3 wire plus ground, NEMA 12 enclosure	1	5.30	CF	02523 3	563.75	366.44	281.88
	EH SERIES SURGE								
	IG1201EH	120V, Single phase, 2 wire plus ground, NEMA 12 enclosure	6	12.00	BU	51625 0	369.00	239.85	184.50
	IG2401EH	120/240V, Single phase, 3 wire plus ground, foot mounted, NEMA 12 enclosure	1	5.50	CE	51626 7	435.63	283.16	217.81
	IG2083YEH	120/208V, 3 phase WYE, 4 wire plus ground, foot mounted, NEMA 12 enclosure	1	5.70	CE	51627 4	732.88	476.37	366.44
	IG2403DEH	120/240V, 3 phase High Leg Delta, 4 wire plus ground, NEMA 12 enclosure	1	5.70	CE	51628 1	758.50	493.03	379.25
	IG4803YEH	277/480V, 3 phase WYE, 4 wire plus ground, foot mounted, NEMA 12 enclosure	1	6.50	CF	51629 8	845.63	549.66	422.81
	IG4803DEH	480V, 3 phase Delta, 3 wire plus ground, foot mounted, NEMA 12 enclosure	1	6.50	CF	51630 4	784.13	509.68	392.06
	PANELGUARD 2000 SURGE								
	IG1201ECS	120V, Single Phase with form c contacts, Nema 3R style	1	28.00	FW	06977 0	922.50	599.63	461.25
	IG2401ECS	120/240V, Single Phase with form c contacts, Nema 3R style	1	28.00	FW	06978 7	1,025.00	666.25	512.50
	IG2083ECY	120/208V, 3 Phase Wye with form c contacts, Nema 3R style	1	28.00	FW	06979 4	1,127.50	732.88	563.75
	IG2403ECD	240V, 3 Phase Delta with form c contacts, Nema 3R style	1	28.00	FW	06980 0	1,076.25	699.56	538.13
	IG4803ECY	277/480V, 3 Phase Wye with form c contacts, Nema 3R style	1	28.00	FW	06981 7	1,281.25	832.81	640.63
	IG4803ECD	480V, 3 Phase Delta with form c contacts, Nema 3R style	1	28.00	FW	06982 4	1,230.00	799.50	615.00
	PANELGUARD 2500 SURGE								
	IG1201SECA	120V, Single Phase with audible alarm, form c contacts, Nema 3R style	1	28.00	FW	06983 1	1,332.50	866.13	666.25
	IG2401SECA	120/240V, Single Phase with audible alarm, form c contacts, Nema 3R style	1	28.00	FW	06984 8	1,435.00	932.75	717.50
	IG2083YECA	120/208V, 3 Phase Wye with audible alarm, form c contacts, Nema 3R style	1	28.00	FW	06985 5	1,537.50	999.38	768.75
	IG2403DECA	240V, 3 Phase High Leg Delta with audible alarm, form c contacts, Nema 3R style	1	28.00	FW	06986 2	1,486.25	966.06	743.13
	IG4803YECA	277/480V, 3 Phase Wye with audible alarm, form c contacts, Nema 3R style	1	28.00	FW	06987 9	1,691.25	1,099.31	845.63
	IG4803DECA	480V, 3 Phase Delta with audible alarm, form c contacts, Nema 3R style	1	28.00	FW	06988 6	1,640.00	1,066.00	820.00
	PANELGUARD 3000 SURGE								
NEW	PG3000-240-2S	120/240V, Single Phase with audible alarm, form c contacts, Nema 3R style	1	75.00	FX	07793 5	1,710.00	1,111.50	855.00
NEW	PG3000-208-3Y	120/208V, 3 Phase Wye with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07794 2	2,236.00	1,453.40	1,118.00
NEW	PG3000-240-3HLD	240V, 3 Phase High Leg Delta with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07795 9	2,236.00	1,453.40	1,118.00
NEW	PG3000-480-3Y	277/480V, 3 Phase Wye with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07796 6	2,500.00	1,625.00	1,250.00
NEW	PG3000-480-3D	480V, 3 Phase Delta with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07797 3	2,368.00	1,539.20	1,184.00
NEW	PG3000-600-3Y	347/600V, 3 Phase Wye with audible alarm, form c contacts, Nema 3 R style	1	76.00	FX	07798 0	2,763.00	1,795.95	1,381.50
NEW	PG3000-600-3D	600 V, 3 Phase Wye with audible alarm , form c contacts, Nema 3R style	1	76.00	FX	07799 7	2,697.00	1,753.05	1,348.50
	PANELGUARD 3500 SURGE								
NEW	PG3500-240-2S	120/240V, Single Phase with audible alarm, form c contacts, Nema 3R style	1	75.00	FX	07800 0	2,500.00	1,625.00	1,250.00
NEW	PG3500-208-3Y	120/208V, 3 Phase Wye with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07801 7	3,342.00	2,172.30	1,671.00
NEW	PG3500-240-3HLD	240V, 3 Phase High Leg Delta with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07802 4	3,342.00	2,172.30	1,671.00
NEW	PG3500-480-3Y	277/480V, 3 Phase Wye with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07803 1	3,684.00	2,394.60	1,842.00
NEW	PG3500-480-3D	480V, 3 Phase Delta with audible alarm, form c contacts, Nema 3R style	1	76.00	FX	07804 8	3,513.00	2,283.45	1,756.50
NEW	PG3500-600-3Y	347/600V, 3 Phase Wye with audible alarm, form c contacts, Nema 3 R style	1	76.00	FX	07805 5	4,078.00	2,650.70	2,039.00
NEW	PG3500-600-3D	600 V, 3 Phase Wye with audible alarm , form c contacts, Nema 3R style	1	76.00	FX	07806 2	3,986.00	2,590.90	1,993.00

SURGE SUPPRESSORS

	MODEL	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
	PANELGUARD 4000 SURGE								
NEW	PG4001-240-2S	120/240V, Single Phase w/disconnect, audible alarm, counter, form c, Nema 3R style	1	76.00	FX	07807 9	3,552.00	2,308.80	1,776.00
NEW	PG4001-208-3Y	120/208V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07808 6	5,131.00	3,335.15	2,565.50
NEW	PG4001-240-3HLD	240V, 3 Phase High Leg Delta w/disconnect, audible alarm, counter, form c, Nema 3R	1	77.00	FX	07809 3	5,131.00	3,335.15	2,565.50
NEW	PG4001-480-3Y	277/480V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07810 9	5,552.00	3,608.80	2,776.00
NEW	PG4001-480-3D	480V, 3 Phase Delta w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07811 6	5,342.00	3,472.30	2,671.00
NEW	PG4001-600-3Y	347/600V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3 R style	1	77.00	FX	07812 3	6,052.00	3,933.80	3,026.00
NEW	PG4001-600-3D	600 V, 3 Phase Wye w/disconnect, audible alarm , counter, form c, Nema 3R style	1	77.00	FX	07813 0	5,947.00	3,865.55	2,973.50
	PANELGUARD 4500 SURGE								
NEW	PG4501-240-2S	120/240V, Single Phase w/disconnect, audible alarm, counter, form c, Nema 3R style	1	76.00	FX	07814 7	4,868.00	3,164.20	2,434.00
NEW	PG4501-208-3Y	120/208V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07815 4	7,105.00	4,618.25	3,552.50
NEW	PG4501-240-3HLD	240V, 3 Phase High Leg Delta w/disconnect, audible alarm, counter, form c, Nema 3R	1	77.00	FX	07816 1	7,105.00	4,618.25	3,552.50
NEW	PG4501-480-3Y	277/480V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07817 8	7,631.00	4,960.15	3,815.50
NEW	PG4501-480-3D	480V, 3 Phase Delta w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07818 5	7,368.00	4,789.20	3,684.00
NEW	PG4501-600-3Y	347/600V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3 R style	1	77.00	FX	07819 2	8,236.00	5,353.40	4,118.00
NEW	PG4501-600-3D	600 V, 3 Phase Wye w/disconnect, audible alarm , counter, form c, Nema 3R style	1	77.00	FX	07820 8	8,105.00	5,268.25	4,052.50
	PANELGUARD 5000 SURGE								
NEW	PG5001-240-2S	120/240V, Single Phase w/disconnect, audible alarm, counter, form c, Nema 3R style	1	76.00	FX	07821 5	6,184.00	4,019.60	3,092.00
NEW	PG5001-208-3Y	120/208V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07822 2	8,552.00	5,558.80	4,276.00
NEW	PG5001-240-3HLD	240V, 3 Phase High Leg Delta w/disconnect, audible alarm, counter, form c, Nema 3R	1	77.00	FX	07823 9	8,552.00	5,558.80	4,276.00
NEW	PG5001-480-3Y	277/480V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07824 6	9,210.00	5,986.50	4,605.00
NEW	PG5001-480-3D	480V, 3 Phase Delta w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07825 3	8,881.00	5,772.65	4,440.50
NEW	PG5001-600-3Y	347/600V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3 R style	1	77.00	FX	07826 0	9,947.00	6,465.55	4,973.50
NEW	PG5001-600-3D	600 V, 3 Phase Wye w/disconnect, audible alarm, counter, form c, Nema 3R style	1	77.00	FX	07827 7	9,789.00	6,362.85	4,894.50
	UG SURGE - MODULAR								
	UG240R	120/240V, handles 600 amp service, indicator light, 2 pole, 3 wire, Liightning Arrester	1	3.50	CA	11841 6	163.97	106.58	81.98
	UG241R	120/240V, handles 600 amp service, indicator light, 2 pole, 3 wire, Surge Suppressor	1	3.50	CA	04182 0	163.97	106.58	81.98
	UG27120A	120V Replacement Module for UG28A Systems	1	1.00	CI	04183 7	469.29	305.04	234.64
	UG27208A	208V Replacement Module for UG28A Systems	1	1.00	CJ	04184 4	469.29	305.04	234.64
	UG27277A	277V Replacement Module for UG28A Systems	1	1.00	CI	04185 1	537.14	349.14	268.57
	UG27480A	480V Replacement Module for UG28A Systems	1	1.00	CI	04186 8	537.14	349.14	268.57
	UG2801A	Cabinet for single phase UG 28 and 30 models, NEMA 3R style	1	10.00	CL	00382 8	616.30	400.60	308.15
	UG2803A	Cabinet for 3 phase UG 28 and 30 models, NEMA 3R style	1	10.00	CL	00382 5	672.84	437.35	336.42
	UG28A2083Y	120/208V, 3 phase WYE, Complete System includes cabinet and modules	1	15.00	CH	02846 3	2,080.69	1,352.45	1,040.34
	UG28A2401S	120/240V, single phase, Complete System includes cabinet and modules	1	13.60	CH	02845 6	1,554.86	1,010.66	777.43
	UG28A2403D	120/240V, 3 phase High Leg Delta, Complete System includes cabinet and modules	1	15.00	CH	02847 0	2,080.69	1,352.45	1,040.34
	UG28A4803D	480V, 3 phase Delta, Complete System includes cabinet and modules	1	15.00	CH	02866 1	2,284.24	1,484.76	1,142.12
	UG28A4803Y	277/480V, 3 phase WYE, includes cabinet and modules	1	15.00	CH	02865 4	2,284.24	1,484.76	1,142.12
	UG29120A	120V Replacement Module for UG30A Systems	1	1.00	CK	03154 8	593.68	385.89	296.84
	UG29208A	208V Replacement Module for UG30A Systems	1	1.00	CK	03155 5	593.68	385.89	296.84
	UG29240A	240V Replacement Module for UG30A Systems	1	1.00	CK	03158 6	593.68	385.89	296.84
	UG29277A	277V Replacement Module for UG30A Systems	1	1.00	CK	03156 2	706.76	459.39	353.38
	UG29480A	480V Replacement Module for UG30A Systems	1	1.00	CK	03157 9	706.76	459.39	353.38
	UG30A2083Y	120/208V, 3 phase WYE, Complete System includes cabinet and modules	1	16.50	CH	04710 5	2,453.87	1,595.02	1,226.94
	UG30A2401S	120/240V, 3 phase WYE, Complete System includes cabinet and modules	1	14.50	CH	04709 9	1,803.65	1,172.37	901.83
	UG30A2403D	120/240V, 3 phase High Leg Delta, Complete System includes cabinet and modules	1	16.50	CH	04711 2	2,453.87	1,595.02	1,226.94
	UG30A2403G	240V, 3 phase or grounded phase Delta, Complete System includes cabinet & module	1	16.50	CH	04712 9	2,453.87	1,595.02	1,226.94
	UG30A4803D	480V, 3 phase Delta, Complete System includes cabinet and modules	1	16.50	CH	04713 6	2,793.11	1,815.52	1,396.56
	UG30A4803Y	277/480V, 3 phase WYE, Complete System includes cabinet and modules	1	16.50	CH	04714 3	2,793.11	1,815.52	1,396.56
NEW	UG40A2401S	120/240 Single Phase, Complete System includes cabinet and modules	1	24.00	FY	06267 2	2,744.95	1,784.22	1,372.48
NEW	UG40A2083Y	120/208V, 3 phase WYE, Complete System includes cabinet and modules	1	25.00	FY	06268 9	3,300.50	2,145.33	1,650.25
NEW	UG40A2403D	120/240, 3 Phase High Leg Delta, Complete System includes cabinet and modules	1	25.00	FY	06269 6	3,397.88	2,208.62	1,698.94
NEW	UG40A2403G	240V Delta, Complete System includes cabinet and modules	1	25.00	FY	06270 2	3,397.88	2,208.62	1,698.94
NEW	UG40A4803Y	277/480V WYE, Complete System includes cabinet and modules	1	25.00	FY	06271 9	3,736.13	2,428.48	1,868.06
NEW	UG40A4803D	480V Delta, Complete System includes cabinet and modules	1	25.00	FY	06272 6	3,736.13	2,428.48	1,868.06
NEW	UG41120A	120 V Replacement Module for UG40A Systems	1	1.00	CK	08002 7	710.33	461.71	355.16
NEW	UG41120B	120 V Replacement Module for UG40A Systems	1	1.00	CK	08003 4	710.33	461.71	355.16
NEW	UG41208A	208 V Replacement Module for UG40A Systems	1	1.00	CK	08004 1	710.33	461.71	355.16
NEW	UG41240A	240 V Replacement Module for UG40A Systems	1	1.00	CK	08005 8	710.33	461.71	355.16
NEW	UG41277A	277 V Replacement Module for UG40A Systems	1	1.00	CK	08006 5	815.90	530.34	407.95
NEW	UG41480A	480 V Replacement Module for UG40A Systems	1	1.00	CK	08007 2	815.90	530.34	407.95

HOME PROTECTION PRODUCTS

BATTERY BACK-UP								
UP330	7 minute battery back-up with surge, 6 outlets, 330VA	6	40.8	EQ	07348 7	139.95	90.97	69.98
UP550	12 minute battery back-up with surge, 8 outlets, 500VA	4	38.0	FA	07347 0	279.95	181.97	139.98
DIGITAL PROGRAMMABLE								
DT11C	24 Hour Digital Programmable Timer	8	5.0	FQ	06915 2	24.95	16.22	12.48
DT17C	7-Day Digital Programmable Timer	8	5.0	FQ	06916 9	27.95	18.17	13.28
OUTDOOR TIMER								
EB11RC	All weather, multi-program outdoor timer. Steel.	12	32.0	DJ	00311 8	36.96	24.03	18.48

HOME PROTECTION PRODUCTS

	Model #	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
	SURGE PROTECTION								
	EG13ID88	Single outlet plug-in, $1,000 equipment coverage, 12 piece bin box	12	2.5	---	00107 7	6.48	4.21	3.24
	EG14TIB	Single outlet plug-in with telephone protection, $1,000 equipment coverage	12	2.3	CM	07061 5	10.95	7.12	5.48
	EG240RC	Hard-wired panel mount surge device	6	11.4	BS	07161 0	78.79	55.15	39.39
	EG33EIB	3 outlet plug-in with coaxial protection, $1,000 equipment coverage	12	4.5	CN	06333 4	12.95	8.42	6.48
	EG33ID88	3 outlet plug-in with $1,000 equipment coverage, 12 piece bin box	12	4.5	---	03184 5	8.95	5.82	4.48
	EG33SIC	3 outlet plug-in with side entry receptacles, $1,000 equipment coverage	12	4.0	CY	05196 6	9.95	6.47	4.98
	EG33TIB	3 outlet plug-in with telephone protection, $1,000 equipment coverage	12	4.5	CN	06332 7	11.95	7.77	5.98
	EG44TALI	5-Outlet computer control center, telephone protection, alarm, $10,000 coverage	6	29.0	BJ	07223 7	44.95	29.22	22.48
	EG6012L	6 outlet plastic strip with lighted switch and 12' cord	10	18.0	CW	06115 6	12.95	8.42	6.48
	EG6015SL	6 outlet metal strip with lighted switch and 15' cord	10	26.6	CW	07063 9	18.95	12.32	9.48
	EG603L61	6 outlet plastic strip with 3'cord--2 pack	12	28.0	DZ	02864 7	8.95	5.82	4.48
	EG603SL	6 outlet metal strip with 3' cord	24	38.8	CX	05598 8	9.95	6.47	4.98
	EG606L	6 outlet plastic strip with lighted switch and 6' cord	20	15.0	CT	05759 3	8.95	5.82	4.48
	EG606SL	6 outlet metal strip with lighted switch and 6' cord	12	22.0	CT	06110 1	13.95	9.07	6.98
NEW	EG60B	6 outlet plastic plug-in device	12	5.0	CO	06500 0	3.45	2.24	1.73
	EG60BV	6 outlet plastic plug-in device. Ivory.	12	5.0	CO	07687 7	3.45	2.24	1.73
	EG60S	6 outlet plastic side entry plug-in device	12	6.0	CU	02622 3	5.95	3.87	2.98
	EG613L	6 outlet with 3' cord	24	19.4	CQ	05557 5	6.95	4.52	3.48
	EG61B	6 outlet plug-in	12	5.0	CO	06335 8	5.95	3.87	2.98
	EG6315SLI	6 outlet with noise filter, 15' cord, switch, metal, $2,500 equipment coverage	10	30.5	CW	07064 6	21.97	14.28	10.99
	EG633L61	6 outlet, noise filter, lighted switch, 3' cord. Twin pack.	20	30.5	---	06750 9	16.95	11.02	8.48
	EG634ELI	6 outlet with 4' cord, coax protection, lighted switch, $1,000 coverage	12	15.0	CR	06215 3	16.95	11.02	8.48
	EG634LID88	6 outlet, noise filter, lighted sw., indicator lightt., $1,000 equip. coverage. 24 piece bin b	24	23.6	---	05559 9	9.95	6.47	4.98
	EG634SLID88	6 outlet with 4' cord, metal, $1,000 equipment coverage. 24 piece bin box.	24	42.5	---	05561 2	14.95	9.72	7.48
	EG634TLI	6 outlet with 4' cord, telephone protection, lighted switch, $1,000 coverage	12	15.0	CR	06214 6	15.95	10.37	7.98
	EG636LI	6 outlet with noise filter, 6' cord, lighted switch, indicator light, $1,000 coverage	12	16.0	CT	06114 9	13.96	9.07	6.98
	EG636SLI	6 outlet w/noise filter, 6' cord, switch, circuit brker, indicator light, metal, $2,500 coverag	12	23.0	CT	05766 1	17.95	11.67	8.98
	EG63EID88	6 outlet plug-in with noise filter, coax protection, $1,000 coverage, 12 piece bin box	12	6.8	---	03178 4	14.95	9.72	7.48
	EG63ID88	6 outlet plug-in with EMI/RFI filter, $1,000 equipment coverage, 12 piece bin box	12	6.4	---	03177 7	9.95	6.47	4.98
	EG633L61	6 outlet plastic surge strip, 2-pack, 3' cord	20	30.5	DZ	06750 9	18.48	12.01	9.24
	EG63SAIC	6 outlet plug-in with side entry, noise filter, audible alarm, $1,000 coverage	10	7.9	CP	04123 3	19.95	12.97	9.98
	EG63SEAIC	6 outlet plug-in w/noise filter, alarm, coax protection with 4' cable, $1,000 coverage	8	9.8	CP	04124 0	27.97	18.18	13.99
	EG63STAIC	6 outlet plug-in w/noise filter, alarm, telephone protection, $1,000 coverage	10	18.5	CP	04126 4	26.98	17.53	13.49
	EG63TID88	6 outlet plug-in,noise filter, tel. protection, indicator lt., $1,000 coverage, 12 piece bin bo	12	6.5	---	02717 6	12.95	8.42	6.48
	EG65AIB	6 outlet plug-in with noise filter, audible alarm, indicator light, $5,000 coverage	12	7.0	CO	02717 6	22.97	14.93	11.48
	EG65TAIB	6 outlet plug-in w/noise filter, alarm, light, phone protection, $5,000 coverage	12	7.0	CO	02716 9	26.98	17.53	13.49
	EG656SALI	6 outlet strip, 6' cord, alarm, metal, $5,000 coverage	12	24.0	CT	05662 9	28.95	18.82	14.48
	EG66	6 outlet strip w/noise filter, 2000 Joule rating, $15,000 coverage	6	15.8	FS	07320 3	39.28	25.53	19.64
	EG66CX	6 outlet strip w/noise filter and coax protection, 2000 Joule rating, $15,000 coverage	6	15.8	FS	07321 0	46.93	30.51	23.47
	EG66T	6 outlet strip w/noise filter,telephone protection, 2000 Joule rating, $15,000 coverage	6	15.8	FS	07322 7	45.21	29.39	22.60
	EG79	7 outlet strip w/noise filter, 2800 Joule rating, $25,000 coverage	6	19.5	FT	07323 4	48.15	31.30	24.08
	EG79ASO	7 outlet strip w/noise filter,tele protection, auto shut-off, 2800 Joules, $25,000 coverage	6	19.5	FT	07326 5	53.86	35.01	26.93
	EG79CX	7 outlet strip w/noise filter and coax protection, 2800 Joule rating, $25,000 coverage	6	19.5	FT	07325 8	55.86	36.31	27.93
	EG79T	7 outlet strip w/noise filter and telephone protection, 2800 Joules, $25,000 coverage	6	19.5	FT	07324 1	53.86	35.01	26.93
	EG856EALI	8 outlet plastic strip w/noise filter, 6' cord, coax protection, alarm, $5,000 coverage	12	25.0	CS	07222 0	28.95	18.82	14.48
	EG856TALI	8 outlet plastic strip w/noise filter, 6' cord, telephone protection, alarm, $5,000 coverage	12	25.0	CS	07060 8	29.95	19.47	14.98
	EG858DSALI	8 outlet, switch, ind light, 8' cord, alarm, coax, phone, satellite, $10,000 coverage	8	23.0	CZ	06409 6	47.95	31.17	23.98
P	EG858ETALI	8 outlet, switch, ind light, 8' cord, alarm, coax, phone protection, $10,000 coverage	8	23.0	CZ	06408 9	44.95	29.22	22.48
	ELECTRONIC TIMER								
	EJ351AC	Programmable 24 hour electronic wall switch timer 1 pole Almond **Replaces EJ341AC**	12	5.5	DK	07311 1	33.23	21.60	16.61
	EJ351C	Same as EJ351AC. White. **Replaces EJ341C**	12	5.5	DK	07310 4	33.23	21.60	16.61
	EJ353C	Programmable 24 hour electronic wall switch timer, 3-way switch **Replaces EJ343C**	12	5.5	DK	07313 5	37.24	24.20	18.62
	SS7AC	Digital programmable wall switch timer. Almond.	12	6.2	ES	07055 4	44.95	29.22	22.49
	SS7C	Digital programmable wall switch timer.	12	5.5	ES	05673 2	44.95	29.22	22.49
	GOODNIGHT LIGHTS								
	GN11AC	Automatic Night Light. Almond Base.	12	2.8	DN	03129 6	3.95	2.57	1.98
	GN11C	Automatic Night Light. White Base.	12	2.8	DN	02476 2	3.95	2.57	1.98
	GN12AC	Automatic Night Light. Twin Pack. Almond Base.	12	2.8	DO	04336 7	7.95	5.17	3.98
	GN12C	Automatic Night Light. Twin Pack. White Base.	12	2.8	DO	02477 9	7.95	5.17	3.98
	GN141PC	Green moon night light	12	1.8	EA	06989 9	3.95	2.57	1.98
P	GN142C	Green moon night light, large style. Twin pack.	12	2.5	---	06592 5	9.95	6.47	4.98
P	GN142PC	Green moon night light. Twin pack.	12	2.2	EA	06990 9	7.85	5.10	3.93
	GN143PC	Green moon night light. Three pack.	12	3.1	EC	06991 6	9.95	6.47	4.98
	GN151PC	Blue moon night light.	12	1.8	EA	06992 3	4.19	2.72	2.10
	GN152PC	Blue moon night light. Twin pack.	12	2.2	EA	06993 0	8.35	5.43	4.18
	GN153PC	Blue moon night light. Three pack.	12	3.1	EC	06994 7	12.48	8.11	6.24
	GN15C	Automatic Night Light. Five Pack. White Base.	12	7.0	DT	02479 3	17.95	11.67	8.98
	GN161C	Green moon night light and receptacle cover.	12	2.7	EN	06820 9	5.95	3.87	2.98
	GN165C	Green moon guide light and receptacle cover.	20	2.0	EA	06951 0	4.95	3.22	2.48
	GN16C	Automatic Night Light. Six Pack. White Base.	6	4.2	DU	04971 0	19.95	12.97	9.98
	GN172C	Green moon night light. Twin pack.	20	1.8	EA	06950 3	3.99	2.59	1.99
	GN1ASC	Manual switched night light. Almond base.	12	3.8	FJ	06423 2	2.48	1.61	1.24
	GN1SC	Manual switched night light. White base.	12	3.8	FJ	06422 5	2.48	1.61	1.24
NEW	GN1SV	Swivel Night Light. 1 per card	6	2.5	---	08008 9	3.95	2.57	1.98
NEW	GN2SV	Swivel Night Light. 2 per card	6	2.5	---	07604 4	6.95	4.52	3.48

HOME PROTECTION PRODUCTS

	Model #	DESCRIPTION	MASTER PACK QTY	MASTER PACK LBS	CTN TYPE	UPC* NO.	SUGGESTED PRICE LIST	SUGGESTED PRICE TRADE	SUGGESTED PRICE DIST
	OUTDOOR TIMERS								
	HB10RC	Indoor remote switch with RF connection.	12	7.5	FR	06771 4	26.98	17.53	13.49
	HB112C	24 Hour Heavy Duty grounded plug-in timer with 2 ON/OFF settings. 15 amps resistiv	12	7.1	DV	00135 0	19.95	12.97	9.98
	HB113C	24 Hour Heavy Duty grounded plug-in timer with 2 ON/OFF settings. 20 amps resistiv	12	6.0	DV	00136 7	19.95	12.97	9.98
	HB114C	24 Hour Heavy Duty grounded plug-in timer with 2 ON/OFF settings. 20 amps resistiv	12	7.1	DV	00137 4	20.95	13.62	10.48
	HB12RC	Outdoor remote switch with RF connection.	12	8.8	FR	06948 0	27.97	18.18	13.99
	HB13RC	Combination of Indoor and Outdoor Remote Switch (HB10 & HB12)	8	12.5	FR	06949 7	44.98	29.24	22.49
	HB31R	All weather, outdoor timer. Heavy Duty-15 Amp. Rain tight plastic case.	12	16.6	DW	05437 0	23.95	15.57	11.98
	HB32R	All weather, outdoor timer. 10 Amp. Raintight plastic case.	12	14.0	DW	04258 2	19.95	12.97	9.98
	HB51RC	Outdoor Timer. Photo ON, Interval OFF.	8	5.5	DW	05671 8	18.95	12.32	9.48
	HB61RC	Outdoor digital timer. Photo ON, interval OFF.	12	8.3	EO	06900 8	19.95	12.97	9.98
	HB65R	15-Amp Outdoor DigitalTimer	12	8.0	EO	07337 1	20.79	13.52	10.40
	HB77R	Outdoor Electronic digital 7-Day timer. Rain tight plastic case.	12	14.5	DW	07306 7	35.99	23.39	18.00
	HS312	Outdoor outlet stake. 15 Ft. cord	6	14.3	EP	06780 6	14.95	9.72	7.48
	HS312PC	Outdoor outlet stake with dual floodlight holders.	6	17.6	EQ	06781 3	22.40	14.56	11.20
	HS325	Outdoor outlet stake. 25 Ft. cord.	12	33.3	ER	06956 5	15.95	10.37	7.98
	MOTION SWITCH								
	MS11C	Motion Switch, Single Way. White.	12	7.3	DX	05035 8	21.95	14.27	10.98
ℙ	MS11AC	Motion Switch, Single Way. Almond	12	7.3	DX	05184 3	21.95	14.27	10.98
ℙ	MS13C	Motion Switch, Three Way. White	12	7.3	DX	05036 5	24.95	16.22	12.48
ℙ	MS13AC	Motion Switch, Three Way. Almond	12	7.3	DX	05185 0	24.95	16.22	12.48
	NIGHT EYE PHOTO CONTROL								
	NE1C	Screw-In Photo Control, Single Cell.	12	2.2	DY	03078 7	7.95	5.17	3.98
	NE200C	Par Lamp Photo Control.	12	2.6	EB	03180 7	10.95	7.12	5.48
	NE2C	Night Eye, Dual Photo Cell.	12	2.6	DK	00813 7	10.48	6.81	5.24
	NE3BC	Digital screw-in photo control. Time controlled.	12	2.6	DK	06960 2	13.95	9.07	6.98
	NE3C	Digital screw-in photo control with emergency flasher.	12	2.6	DK	06961 9	13.95	9.07	6.98
	NE3GC	Digital screw-in closet light control.	12	2.6	DK	06963 3	13.95	9.07	6.98
	NE3RC	Digital screw-in photo control.	12	2.6	DK	06962 6	13.95	9.07	6.98
	NE5C	Plug-In Photo Control.	12	2.6	BY	04255 1	7.95	5.17	3.98
	POWER ALERT								
	PR3C	Three way power alert, flashlight and night light.	12	6.0	DI	05356 4	14.95	9.72	7.48
NEW	PR6B	Closet tap light.	16	5.5	---	07759 1	5.48	3.56	2.74
	SECURITY ALARMS/TIMERS								
	SP130B	Wireless door/window alarm with key pad.	6	6.5	ED	07272 5	21.95	14.27	10.98
	SP210B	Wireless wall-mount/table top room alarm with hand held keychain remote.	6	7.5	EF	07273 2	38.95	25.32	19.48
	SP230B	Wireless wall-mount/table top room alarm with key pad.	6	6.5	ED	07274 9	29.95	19.47	14.98
	SP440B	Window alarm with switched ON/OFF.	6	2.5	EJ	07275 6	7.95	5.17	3.98
	SP500	Window stickers (pack of 4).	12	1.0	EH	06207 8	2.95	1.92	1.48
	SP501B	External alarm (accessory).	6	4.0	EI	07276 3	13.95	9.07	6.98
	SP520B	Programmable remote control	6	10.5	FL	07277 0	10.95	7.12	5.48
	SP550B	9 Volt Power Adapter for SP130B, SP210B, SP230B.	6	8.0	EK	07278 7	7.95	5.17	3.98
	SP640B	Hand held personal alarm.	6	4.0	EI	07279 4	7.95	5.17	3.98
	TIME-ALL TIMERS								
	SB911C	7 day lamp and appliance timer.	12	6.5	DV	00118 3	12.95	8.42	6.48
NEW	TB211C	Tabletop lamp and appliance timer.	12	5.5	DV	07919 9	13.95	9.07	6.98
	TN111C	Lamp and Appliance timer with 2 ON/OFF settings. Easy set dial.	12	5.5	DV	04750 1	9.48	6.16	4.74
	TN111C61	Twin pack of TN111C.	6	5.5	EM	05566 7	18.95	12.32	9.48
	TN111GC	Lamp and Appliance timer with 2 ON/OFF settings. Easy set Lighted dial.	12	5.5	DV	06379 2	10.95	7.12	5.48
ℙ	TN211C	Heavy duty programmable appliance timer.	12	5.5	DV	06729 5	17.95	11.67	8.98
	TN311C	Heavy duty grounded appliance timer with 3 ON/OFF settings. Easy set dial.	12	5.5	DV	04751 8	14.95	9.72	7.48
	TN711C	Security timer with 2 variable ON/OFF settings. Easy set dial.	12	5.5	DV	04752 5	10.48	6.81	5.24
	TN711C61	Twin pack of TN711C.	6	5.5	EM	05567 4	20.95	13.62	10.48
	TN811C	Programmable lamp and appliance timer. Up to 48 ON/OFF settings. Easy set dial.	12	5.5	DV	04753 2	11.95	7.77	5.98

ℙ Items marked are discontinued and available only while supplies last.

CARTON AND PACKAGING INFORMATION

Ctn Type	Length	Width	Height	Cubes/ Cu. Ft.
A	19.75	11.00	8.13	1.02
B	22.50	12.00	9.00	1.41
C	13.25	12.00	10.38	0.96
D	14.38	11.50	16.50	1.58
E	16.50	10.25	7.38	0.72
F	12.00	9.00	4.13	0.26
G	23.75	11.19	8.25	1.27
H	23.75	11.19	6.88	1.06
I	26.00	13.00	10.50	2.05
J	15.50	11.50	6.50	0.67
K	15.25	11.06	4.25	0.41
L	5.31	3.18	8.06	0.08
M	11.75	11.75	5.25	0.42
N	25.63	12.88	10.00	1.91
O	15.00	11.38	6.13	0.61
P	15.50	10.50	5.00	0.47
Q	10.75	10.00	8.13	0.51
R	17.50	15.50	10.25	1.61
S	9.75	7.75	5.50	0.24
T	21.50	13.50	6.25	1.05
U	11.38	7.00	4.13	0.19
V	10.50	8.63	3.63	0.19
W	10.75	9.63	8.13	0.49
X	8.25	6.25	3.38	0.10
Y	18.13	12.88	4.50	0.61
Z	8.88	4.50	4.69	0.11
AA	10.00	8.00	3.88	0.18
AB	4.63	3.75	3.38	0.03
AC	12.00	11.19	8.25	0.64
AD	11.50	8.38	7.50	0.42
AE	11.00	6.00	6.88	0.26
AF	12.00	8.88	3.75	0.23
AG	7.00	0.50	6.00	0.01
AH	9.63	6.75	4.63	0.17
AI	9.50	6.38	6.38	0.22
AJ	14.50	10.00	4.00	0.34
AK	14.50	12.00	7.13	0.72
AL	9.31	7.38	5.00	0.20
AM	13.38	10.13	5.63	0.44
AN	17.38	9.63	4.75	0.46
AO	9.50	6.38	3.25	0.11
AP	7.25	5.38	6.13	0.14
AQ	10.38	9.00	6.00	0.32
AR	11.00	10.25	8.50	0.55
AS	13.50	10.38	7.00	0.57
AT	15.63	8.75	5.50	0.44
AU	11.00	7.00	14.00	0.62
AV	15.50	9.00	9.00	0.73
AW	16.00	10.38	7.00	0.67
AX	15.38	12.50	6.75	0.75
AY	14.75	9.50	10.00	0.81
AZ	14.50	11.50	10.13	0.98
BA	14.50	11.50	11.13	1.07
BB	2.25	1.44	3.06	0.01
BC	7.00	0.25	6.00	0.01
BD	19.25	12.00	8.50	1.14
BE	0.50	7.25	5.00	0.01
BF	9.25	8.25	7.00	0.31
BG	11.06	11.06	12.13	0.86
BH	16.25	10.75	11.50	1.16

Ctn Type	Length	Width	Height	Cubes/ Cu. Ft.
BI	16.50	11.50	12.00	1.32
BJ	15.63	15.63	13.13	1.86
BK	16.50	11.00	11.75	1.23
BL	16.25	10.75	12.00	1.21
BM	21.00	11.25	7.75	1.06
BN	17.00	11.00	12.00	1.30
BO	19.00	14.00	11.00	1.69
BP	20.81	12.56	7.75	1.17
BQ	16.50	11.00	11.63	1.22
BR	20.50	5.50	2.00	0.13
BS	11.06	10.00	8.75	0.56
BT	14.75	12.75	5.75	0.63
BU	16.31	9.31	7.38	0.65
BV	8.75	7.00	5.38	0.19
BW	9.13	8.50	6.25	0.28
BX	11.31	6.31	7.50	0.31
BY	14.81	10.31	4.63	0.41
BZ	13.25	11.25	4.50	0.39
CA	4.00	3.50	7.50	0.06
CB	9.38	8.25	4.00	0.18
CD	9.75	18.00	5.50	0.56
CE	10.00	5.12	5.00	0.15
CF	10.00	5.00	4.50	0.13
CG	10.12	6.75	0.75	0.03
CH	12.00	12.00	4.75	0.40
CI	10.62	5.62	3.00	0.10
CJ	10.63	11.50	9.00	0.64
CK	5.25	11.00	3.00	0.10
CL	12.00	12.00	5.00	0.42
CM	15.50	5.00	6.00	0.27
CN	13.00	7.00	6.50	0.34
CO	21.25	6.25	9.00	0.69
CP	22.50	6.50	9.50	0.80
CQ	21.00	11.00	12.50	1.67
CR	25.50	6.25	14.50	1.34
CS	13.00	6.75	16.81	0.85
CT	22.00	6.00	15.00	1.15
CU	14.00	13.50	8.00	0.88
CV	11.00	12.50	16.50	1.31
CW	12.25	13.00	15.00	1.38
CX	21.50	11.00	15.00	2.05
CY	13.25	6.75	8.75	0.45
CZ	15.50	6.00	1.88	0.10
DA	39.00	1.50	1.50	0.05
DB	63.00	1.50	1.50	0.08
DC	99.00	1.50	1.50	0.13
DD	7.50	3.00	3.63	0.05
DE	3.00	7.75	4.00	0.05
DF	10.50	4.00	7.38	0.18
DG	9.38	4.00	4.25	0.09
DH	65.00	6.75	5.00	1.27
DI	18.31	9.81	7.63	0.79
DJ	19.06	19.06	9.63	2.02
DK	14.81	10.31	5.50	0.49
DL	19.56	9.56	9.88	1.07
DM	14.50	10.25	8.75	0.75
DN	9.25	8.25	6.25	0.28
DO	13.00	9.25	5.00	0.35
DP	14.75	10.25	8.40	0.73
DQ	8.00	7.00	4.50	0.15

Ctn Type	Length	Width	Height	Cubes/ Cu. Ft.
DR	8.00	10.50	7.50	0.36
DS	12.50	9.75	7.25	0.51
DT	19.50	9.75	8.00	0.88
DU	12.50	9.75	7.50	0.53
DV	18.31	9.81	4.63	0.48
DW	20.88	14.25	5.88	1.01
DX	17.50	9.25	7.30	0.68
DY	8.50	6.50	5.75	0.18
DZ	12.00	18.00	7.50	0.94
EA	7.40	8.00	4.20	0.14
EB	17.00	5.75	8.50	0.48
EC	8.50	9.75	4.20	0.20
ED	14.50	8.75	11.50	0.84
EF	16.00	9.00	11.25	0.94
EG	18.00	9.00	12.50	1.17
EH	9.25	4.63	5.00	0.12
EI	10.00	7.00	6.75	0.27
EJ	9.00	7.25	7.25	0.27
EK	18.38	6.75	7.00	0.50
EL	11.31	21.31	5.38	0.75
EM	10.56	11.31	7.75	0.54
EN	10.50	10.50	4.50	0.29
EO	9.00	13.00	11.25	0.76
EP	12.50	16.25	12.25	1.44
EQ	15.00	20.75	11.75	2.12
ER	13.50	20.50	11.25	1.80
ES	19.50	8.50	5.50	0.53
ET	5.19	3.06	7.88	0.07
EU	5.19	3.13	6.63	0.06
EV	16.50	13.38	8.50	1.09
EW	13.00	11.75	8.50	0.75
EX	17.50	11.88	5.25	0.63
EY	21.75	13.75	5.50	0.95
EZ	5.38	4.25	7.25	0.10
FA	20.00	16.00	8.00	1.48
FB	13.00	9.50	10.50	0.75
FC	13.63	13.25	9.88	1.03
FD	19.25	13.63	9.85	1.50
FE	13.75	12.13	8.00	0.77
FF	17.88	11.88	5.75	0.71
FG	10.50	7.25	4.00	0.18
FH	16.00	14.00	7.00	0.91
FI	14.00	14.00	8.13	0.92
FJ	22.00	3.75	8.00	0.38
FK	16.50	8.75	11.50	0.96
FL	6.75	6.00	7.00	0.16
FM	24.00	19.00	4.13	1.09
FN	23.50	18.63	4.25	1.08
FO	24.00	19.00	4.00	1.06
FP	9.50	6.00	0.50	0.02
FQ	30.00	7.00	9.00	1.09
FR	22.00	6.00	8.00	0.61
FS	13.00	7.50	12.75	0.72
FT	34.00	5.50	13.75	1.49
FU	8.00	5.50	4.00	N/A
FV	5.00	5.00	4.00	N/A
FW	12.13	5.13	17.25	N/A
FX	30.00	17.50	13.00	N/A
FY	22.00	16.00	6.00	N/A

INTERMATIC
MALIBU

LOW VOLTAGE LIGHTING
EFFECTIVE JANUARY 1, 2001
DISTRIBUTOR PRICE LIST
LV54W
Supercedes all previous price lists
Prices and/or specifications subject to change without notice

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CAST METAL LIGHTS

The models shown are not necessarily in correct proportion to each other.

CL131

CL507

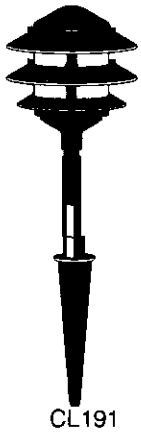
CL506

CL731

CL711

CL635R

CL620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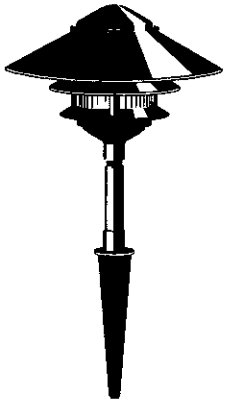
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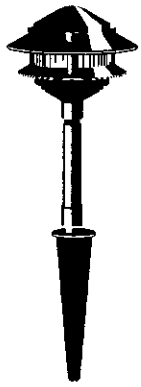
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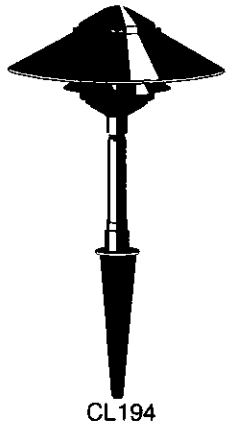
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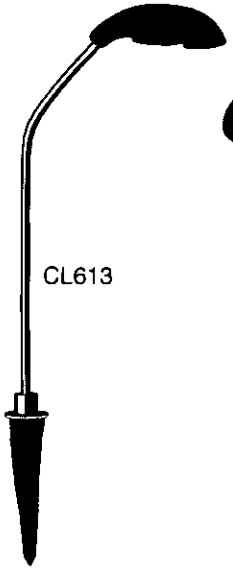
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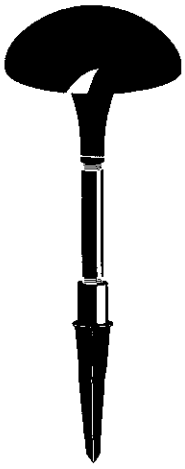
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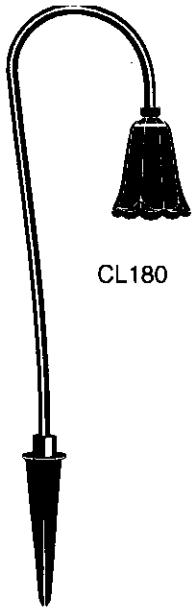
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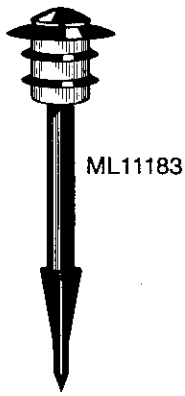
CL637

CL638

CL111B

METAL LIGHTS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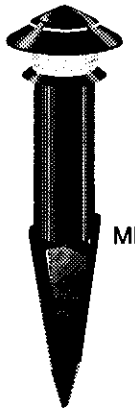
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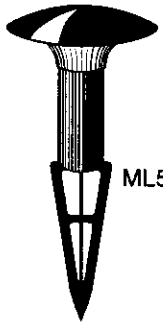
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LD622L / ML6072L

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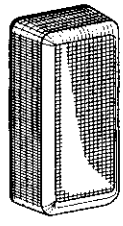
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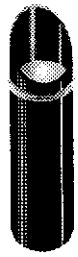
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The models shown are not necessarily in correct proportion to each other.

MALIBU LOW VOLTAGE SET PRICES

Prices and specifications subject to change without notice (Rev 1/1/01)

MODEL NUMBER	PRODUCT INFORMATION						MASTER PACK			UPC*	SUGGESTED PRICE		
	QUANTITY AND FIXTURE TYPE	CABLE FEET	PWR PK WATTS	BULB	EXPAND UP TO	WARR. PERIOD	QTY	LBS	TYPE	NO. 0 78275	LIST EACH	TRADE EACH	DIST EACH
COMBINATION LIGHT SETS													
CL62105T	8 CL635R & 2 CL507	100	200	CL876 / CL850	N/A	5 Years	1	31.00	2A	04050 2	383.90	256.06	191.95
LT13978T	6 LT13 & 2 LT9	75	88	LV526/CL877	N/A	5 Years	1	25.79	1C	07127 8	178.00	118.73	89.00
LT49208T	6 LT4 & 2 LT9	75	200	LV528/CL877	10 Lights	5 Years	1	28.29	1C	06235 1	190.00	126.73	95.00
LT59006T	4 LT5 & 2 LT9	50	88	LV522/CL877	N/A	5 Years	1	13.50	1B	06229 0	120.00	80.04	60.00
LT91006T	2 LT9 & 4 LT11	50	88	LV520/LV522	N/A	5 Years	1	11.10	1B	06652 6	128.00	85.38	64.00
LT91008T	2 LT9 & 6 LT10	50	121	LV520/LV522	10 lights	5 Years	1	19.20	1C	06710 3	184.00	122.73	92.00
LV18010T60	6 LV183 & 4 LV103	100	121	LV500/LV528	N/A	3 Years	1	15.07	2A	01543 2	107.00	71.37	53.50
LV88710T60	4 LV108 & 6 LV181	100	88	LV526	12 Lights	3 Years	1	11.50	1B	01476 3	90.60	60.43	45.30
LV88710T60	LV108V & 6 LV181	100	88	LV526	12 Lights	3 Years	1	11.40	1B	04162 2	96.94	64.66	48.47
LV88712T60	4 LV108 & 8 LV181	100	88	LV526	N/A	3 Years	1	12.40	1C	04067 0	97.86	65.27	48.93
LX19412T	8 LX1 & 4 LX9Z	50	60	LV516	15 Lights	3 Years	1	9.85	1C	06170 5	60.30	40.22	30.15
LX19414T	10 LX1 & 4 LX9Z	75	60	LV516	15 Lights	3 Years	1	12.10	1C	06074 6	67.96	45.33	33.98
LX19415T	10 LX1 & 5 LX9Z	75	60	LV516	N/A	3 Years	1	10.85	1C	06176 7	70.66	47.13	35.33
LX19610T25	4 LX9Z & 6 LX1	50	44	LV516	11 Lights	3 Years	1	7.60	2B	00378 1	53.10	35.42	26.55
LX19611T	5 LX9Z & 6 LX1	50	44	LV516	N/A	3 Years	1	8.05	1C	05576 6	55.80	37.22	27.90
LX19718T90	6 LX9Z & 12 LX1	90	88	LV516	22 Lights	3 Years	1	13.75	2A	04173 8	81.90	54.63	40.95
LX19720T	6 LX9Z & 14 LX1	100	88	LV516	22 Lights	3 Years	1	14.50	1C	02511 0	88.20	58.83	44.10
LX19722T	8 LX9Z & 14 LX1	100	88	LV516	N/A	3 Years	1	14.50	2A	04168 4	93.60	62.43	46.80
LX58720P	14 LX1 & 6 LX9Z	100	80P	LV516	22 Lights	3 Years	1	14.25	1C	07099 8	84.20	56.16	42.10
FLOODLIGHT SETS													
CL10304T	4 CL1	50	300	LV50HBP	6 Lights	5 Years	1	20.50	1B	08012 6	167.90	111.99	83.95
CL545T	4 CL507	50	88	CL850	N/A	5 Years	1	9.89	1B	02369 7	145.06	96.76	72.53
CL90704T	4 CL9	50	88	LV520	6 Lights	5 Years	1	7.15	1A	08013 3	92.70	61.83	46.35
CL90706T	6 CL9	50	88	LV521	N/A	5 Years	1	7.15	1A	N/A	193.66	129.17	96.83
LT10304T	4 LT1	50	300	TBD	6 Lights	5 Years	1	20.50	1B	06762 2	158.00	105.39	79.00
LT90704T	4 LT9	50	88	CL877	N/A	5 Years	1	7.15	1A	06223 8	86.94	57.99	43.47
LV1076T	6 LV103	75	88	LV500	8 Lights	3 Years	1	9.10	1B	01424 4	87.16	58.14	43.58
TIER LIGHT SETS													
CL19126TV	6 CL191V	50	121	LV528	N/A	5 Years	1	23.16	2A	06761 5	208.00	138.74	104.00
LT11206T	6 LT11	50	121	LV522	N/A	5 Years	1	11.45	1B	06644 1	128.00	85.38	64.00
LT11210T	10 LT11	100	121	LV522	11 Lights	5 Years	1	25.30	1C	06663 2	220.00	146.74	110.00
LT13606T	6 LT13	50	44	LV526	N/A	5 Years	1	11.50	1C	07707 2	85.70	57.16	42.85
LV28178T	8 LV181	75	88	LV526	12 Lights	3 Years	1	9.55	1B	01491 6	75.60	50.43	37.80
LV28710T	10 LV181	100	88	LV526	12 Lights	3 Years	1	11.45	1B	01469 5	90.60	60.43	45.30
LV28712T	12 LV181	100	88	LV526	N/A	3 Years	1	13.00	2A	01475 6	97.86	65.27	48.93
LV2876T	6 LV183	50	88	LV522	8 Lights	3 Years	1	9.00	1B	01410 7	83.58	55.75	41.79
LX10412T	12 LX1	50	60	LV516	15 Lights	3 Years	1	10.20	1C	06169 9	60.30	40.22	30.15
LX10414T	14 LX1	75	60	LV516	15 Lights	3 Years	1	13.50	1C	06073 9	67.96	45.33	33.98
LX10506T	6 LX1	50	25	LV516	N/A	3 Years	1	6.30	1B	00246 3	40.50	27.01	20.25
LX10610T25	10 LX1	50	44	LV516	11 Lights	3 Years	1	8.30	2B	00377 4	53.10	35.42	26.55
LX10611T	11 LX1	50	44	LV516	N/A	3 Years	1	8.60	1C	06318 1	55.80	37.22	27.90
LX10720T	20 LX1	100	88	LV516	22 Lights	3 Years	1	15.50	1C	02286 7	88.20	58.83	44.10
LX50610P	10 LX1	50	44P	LV516	11 Lights	3 Years	1	8.30	2B	07098 1	49.10	32.75	24.55
SURFACE LIGHT SETS													
LD62414T	14 LD622	75	60	LV516	15 Lights	3 Years	1	8.80	1B	06173 6	70.00	46.69	35.00
LD6278LT	8 LD622L	75	88	LV526	12 Lights	3 Years	1	9.40	1B	04370 1	87.98	58.68	43.99
LD6278T	8 LD622	75	88	LV516	22 Lights	3 Years	1	8.30	1A	02539 4	77.70	51.83	38.85
LD64710T	10 LD641	75	88	LV526	12 Lights	3 Years	1	8.65	1B	02540 0	96.60	64.43	48.30
LD64606T	6 LD641	50	44	LV526	N/A	3 Years	1	6.10	1A	07708 9	76.70	51.16	38.35
LD6478T	8 LD641	50	88	LV526	8 Lights	3 Years	1	7.50	1A	02617 9	87.98	58.68	43.99
LT80708T	8 LT8	50	88	LV526	12 Lights	5 Years	1	7.90	1A	06709 7	174.00	116.06	87.00
SPECIALTY LIGHT SETS													
CL175	2 CL115	40	60	CL850	3 Lights	5 Years	1	20.60	1A	04348 0	134.18	89.50	67.09
CL71010T	10 CL711	50	121	CL877	12 Lights	5 Years	1	20.60	1B	05324 3	237.40	158.35	118.70
LM50708T	8 LM5	75	88	LV526	12 Lights	3 Years	1	11.50	1C	04366 4	84.00	56.03	42.00
LT20006T	6 LT2	50	88	LV522	N/A	5 Years	1	16.70	1B	06224 5	120.00	80.04	60.00

MALIBU LOW VOLTAGE FIXTURE PRICES

Prices and specifications subject to change without notice (Rev 1/1/01)

MODEL NUMBER	PRODUCT INFORMATION	PACK TYPE	MASTER PACK			UPC* NO. 0 78275	SUGGESTED PRICE		
			QTY	LBS	CUBE		LIST EACH	TRADE EACH	DIST EACH
TIER LIGHTS									
CL191	Cast metal three tier with 18 watt bulb (LV528)	B	4	16.05	1.70	02535 6	27.98	18.66	13.99
CL191S	sand color cast metal three tier with 18 watt bulb (LV528)	B	4	16.05	1.70	07595 5	29.98	20.00	14.99
CL191V	Verde cast metal three tier with 18 watt bulb (LV528)	B	4	16.05	1.70	02819 7	29.98	20.00	14.99
CL192	Cast metal shaded three tier with 18 watt bulb (LV528)	D	4	19.75	1.70	02553 0	27.98	18.66	13.99

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MODEL NUMBER	PRODUCT INFORMATION	PACK TYPE	MASTER PACK QTY	MASTER PACK LBS	MASTER PACK CUBE	UPC* NO. 0 78275	SUGGESTED PRICE LIST EACH	SUGGESTED PRICE TRADE EACH	SUGGESTED PRICE DIST EACH
TIER LIGHTS (cont'd.)									
CL193	Cast metal two tier with 18 watt bulb (LV528)	B	4	11.81	1.70	02554 7	24.80	16.54	12.40
CL193V	Verde cast metal two tier with 18 watt bulb (LV528)	B	4	11.81	1.70	02821 0	26.80	17.88	13.40
CL194	Cast metal shaded two tier with 18 watt bulb (LV528)	D	4	16.25	1.70	02555 4	24.80	16.54	12.40
CL638	Cast metal bollard style three tier with 20 watt MR11 lamp (CL876)	A	4	6.40	0.35	06939 8	23.80	15.87	11.90
LT11	Metal two tier with 11 watt bulb (LV522)	C	4	5.40	1.18	06538 3	17.50	11.67	8.75
LT13	Metal three tier with 7 watt bulb (LV526)	C	4	6.00	1.18	07126 1	19.50	13.01	9.75
LV181	Two tier with 7 watt bulb (LV526)	B	1	0.65	0.21	01534 0	8.64	5.76	4.32
LV183	Three tier with 11 watt bulb (LV522)	C	1	0.90	0.28	01711 5	10.88	7.26	5.44
LX1	Two tier promotional with 4 watt bulb (LV516)	A	1	0.50	0.15	01675 0	7.14	4.76	3.57
FLOODLIGHTS									
CL1	Cast Metal 50 watt bi-pin halogen bulb (LV50HBP)	A	4	5.00	0.64	07892 5	20.70	13.81	10.35
CL9	Cast Metal 20 watt bi-pin halogen bulb (LV520)	J	4	3.75	0.35	07893 2	13.80	9.20	6.90
CL131	Cast metal with 20 watt MR-11 lamp (CL876)	J	4	7.25	0.35	06667 0	28.30	18.88	14.15
CL506	Cast metal with 20 watt MR-16 lamp (CL850)	A	4	7.25	0.64	02513 4	26.30	17.54	13.15
CL506-35	Cast metal with 35 watt MR-16 lamp (CL890)	A	4	7.25	0.64	07685 3	29.00	19.34	14.50
CL506S	Sand color cast metal with 20 watt MR-16 lamp (CL850)	A	4	7.25	0.64	07594 8	28.30	18.88	14.15
CL506V	Verde cast metal with 20 watt MR-16 lamp (CL850)	A	4	11.75	0.64	02874 6	28.30	18.88	14.15
CL506V35	Verde cast metal with 35 watt MR-16 lamp (CL890)	A	4	11.75	0.64	07686 0	29.00	19.34	14.50
CL507	Cast metal with 20 watt MR-16 lamp (CL850)	J	4	5.90	0.35	06129 3	23.92	15.95	11.96
CL507-35	Cast metal with 35 watt MR-16 lamp (CL890)	J	4	5.90	0.35	06547 5	26.00	17.34	13.00
CL731	Compact metal with 10 watt bi-pin halogen bulb (CL877)	J	4	5.00	0.35	04930 7	19.90	13.27	9.95
LT1	Metal with 35 watt bi-pin halogen bulb	A	4	5.00	0.64	06638 0	18.40	12.27	9.20
LT9	Metal with 10 watt bi-pin halogen bulb (CL877)	J	4	3.75	0.35	06162 0	12.08	8.06	6.04
LV101CH	Classic with 14 watt halogen POLY-STAR lamp (LV504)	B	1	1.10	0.21	01502 9	16.20	10.81	8.10
LV103	Round with 11 watt POLY-STAR lamp (LV500)	B	1	0.75	0.21	01201 1	10.88	7.26	5.44
SURFACE LIGHTS									
CL900	Metal louvered face plate brick light with 11 watt bulb (LV522)	I	4	4.45	0.13	02516 5	23.34	15.57	11.67
CL901	Metal diffusing lens brick light with 11 watt bulb (LV522)	I	4	4.25	0.13	02517 2	23.34	15.57	11.67
CL902	Metal prismatic lens brick light with 11 watt bulb (LV522)	I	4	4.25	0.13	02515 8	23.34	15.57	11.67
CL903	Cast metal round step / Wall light with 8 watt bulb (CL844)	I	4	3.90	0.13	02568 4	23.34	15.57	11.67
LD622	Rectangular surface with 4 watt bulb (LV516)	CS 2	3	1.40	0.31	02102 0	7.50	5.00	3.75
LD622L	Louvered surface with 7 watt bulb (LV526)	CS 2	6	12.50	0.56	04331 2	10.50	7.00	5.25
LD641	Mariner surface with 7 watt bulb (LV526)	CS 3	6	3.00	0.54	00449 8	8.00	5.34	4.00
LD695	Low profile edge with 7 watt bulb (LV526)	A	1	0.57	0.15	04303 9	9.50	6.34	4.75
LT8	Round compact surface with 7 watt bulb (LV526)	I	4	1.35	0.13	06536 9	11.50	7.67	5.75
SPECIALTY LIGHTS									
CL111B	Well with 25 watt halogen POLY-STAR (LV505)	B	4	6.00	0.89	02518 9	27.74	18.50	13.87
CL115	20 Amp. Submersible Light with 20' cable	A	4	7.75	0.14	04152 3	59.50	39.69	29.75
CL180	Cast metal tulip with 18 watt bulb (LV528)	R	4	12.50	1.80	04334 3	19.50	13.01	9.75
CL180V	Verde cast metal tulip with 18 watt bulb (LV528)	R	4	12.50	1.80	04335 0	19.50	13.01	9.75
CL280	Cast metal tulip with 18 watt bulb (LV528)	R	4	12.50	1.80	07980 9	21.82	14.55	10.91
CL280V	Verde Cast metal tulip with 18 watt bulb (LV528)	R	4	12.50	1.80	07981 6	21.82	14.55	10.91
CL613	Metal cobra with 18 watt bulb (LV528)	T	4	7.80	0.93	02422 9	18.96	12.65	9.48
CL613V	Metal verde cobra with 18 watt bulb (LV528)	T	4	7.80	0.93	02734 3	20.96	13.98	10.48
CL618	Metal small mushroom with 18 watt bulb (LV528)	B	4	9.80	0.89	02423 6	21.10	14.07	10.55
CL619	Metal large mushroom with 18 watt bulb (LV528)	C	4	12.40	1.18	02424 3	23.60	15.74	11.80
CL619V	Metal verde large mushroom with 18 watt bulb (LV528)	C	4	12.40	1.18	02736 7	25.60	17.08	12.80
CL620	Metal shrub up-light with 20 watt MR-11 lamp (CL876)	J	4	5.50	0.35	02425 0	23.84	15.90	11.92
CL632	Metal low profile bollard with 20 watt MR-11 lamp (CL876)	J	4	6.25	0.35	04372 5	20.70	13.81	10.35
CL635R	Metal capped-top bollard with 20 watt MR-11 lamp (CL876)	J	4	6.30	0.35	06934 3	21.50	14.34	10.75
CL636	Metal Shaded bollard with 20 watt MR-11 lamp (CL876)	A	4	6.40	0.35	06937 4	23.00	15.34	11.50
CL637	Metal moonlet shade bollard with 20 watt MR011 lamp (CL876)	B	4	6.50	0.89	06938 1	23.80	15.87	11.90
CL711	Metal clear glass-top mushroom with 10 watt bi-pin halogen bulb (CL877)	J	4	7.70	0.35	04308 4	15.96	10.65	7.98
LT10	Metal shaded flare with 11 watt bulb (LV522)	H	4	6.30	1.35	06537 6	17.50	11.67	8.75
LT12	Metal hanging globe with 11 watt bulb (LV522)	D	4	6.00	1.70	06935 0	17.80	11.87	8.90
LT12S	Metal shaded globe with 11 watt bulb (LV522)	D	4	6.30	1.70	06936 7	18.70	12.47	9.35
LT2	Metal & Glass tulip with 11 watt bulb (LV522)	C	4	7.00	1.18	06166 8	14.50	9.67	7.25
LT3	Metal adjustable pyramid with 11 watt bulb (LV522)	C	4	6.50	1.18	06165 1	14.50	9.67	7.25
LT4	Metal adjustable moon beam with 11 watt bulb (LV522)	C	4	6.25	1.18	06164 4	14.50	9.67	7.25
LT5	Metal crystal flare with 11 watt bulb (LV522)	C	4	5.35	1.18	06163 7	14.50	9.67	7.25
LT6	Metal shaded down fixture with 11 watt bulb (LV522)	H	4	5.67	1.35	06534 5	17.50	11.67	8.75
LT7	Metal adjustable shell with 11 watt bulb (LV522)	C	4	4.60	1.18	06535 2	17.50	11.67	8.75
CANTERBURY SERIES LIGHTS									
CS100A	Lantern Walklight 18 watt bulb (LV528) Architectural Bronze	D	4	9.00	0.40	07619 8	35.20	23.48	17.60
CS100B	Lantern Walklight 18 watt bulb (LV528) Classic Brick	D	4	9.00	0.40	07497 2	35.20	23.48	17.60
CS100V	Lantern Walklight 18 watt bulb (LV528) Verde	D	4	9.00	0.40	07498 9	35.20	23.48	17.60

MALIBU LOW VOLTAGE FIXTURE PRICES

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MODEL NUMBER	PRODUCT INFORMATION	PACK TYPE	MASTER PACK QTY	MASTER PACK LBS	MASTER PACK CUBE	UPC* NO. 0 78275	SUGGESTED PRICE LIST EACH	SUGGESTED PRICE TRADE EACH	SUGGESTED PRICE DIST EACH
CANTERBURY SERIES LIGHTS (cont'd.)									
CS110A	Walklight 18 watt bulb (LV528) Architectural Bronze	C	4	9.00	0.24	07495 8	30.14	20.10	15.07
CS110B	Walklight 18 watt bulb (LV528) Classic Brick	C	4	9.00	0.24	07588 7	30.14	20.10	15.07
CS120A	Lantern Walklight 18 watt bulb (LV528) Architectural Bronze	H	4	8.00	0.30	07490 3	30.14	20.10	15.07
CS130B	Lantern Walklight 18 watt bulb (LV528) Classic Brick	H	4	7.00	0.30	07488 0	30.14	20.10	15.07
CS140B	Lantern Walklight 18 watt bulb (LV528) Classic Brick	H	4	7.00	0.30	07489 7	30.14	20.10	15.07
CS150	Tiffany style walklight 11 watt bulb (LV522) Black	H	4	7.00	0.30	07486 6	41.40	27.61	20.70
CS160	Tiffany style walklight with leaves 11 watt bulb (LV522) Black	D	4	7.00	0.40	07491 0	41.40	27.61	20.70
CS170G	Walklight 7 watt bulb (LV526) Green	T	4	5.00	0.21	07487 3	30.14	20.10	15.07
CS180A	Floodlight 20 watt halogen bulb (MR16) Architectural Bronze	J	4	5.00	0.08	07485 9	24.16	16.11	12.08
CS180B	Floodlight 20 watt halogen bulb (MR16) Classic Brick	J	4	5.00	0.08	07586 3	24.16	16.11	12.08
CS180C	Floodlight 20 watt halogen bulb (MR16) Copper	J	4	5.00	0.08	07587 0	37.38	24.93	18.69
CS190	Aged Brass Walklight 2- 18 watt bulbs (LV528)	M	1	7.00	1.26	07496 5	54.00	36.02	27.00
CS200C	Copper Tier Light 18 watt bulb (LV528)	D	4	8.00	0.40	07492 7	43.70	29.15	21.85
CS210C	Copper Coachlight 18 watt bulb (LV528)	C	4	8.00	0.24	07493 4	34.74	23.17	17.37
CS220V	Retro Path Light 18 watt bulb (LV528) Aged Brass	N/A	N/A	N/A	N/A	07929 3	64.38	42.94	32.19
CS230	Mission Path Light 18 watt bulb (LV528) Aged Copper	N/A	N/A	N/A	N/A	07930 9*	68.78	45.88	34.39
CS240	Parfait Path Light 18 watt bulb (LV528) Aged Copper	N/A	N/A	N/A	N/A	07932 3	41.18	27.47	20.59
CS240V	Parfait Path Light 18 watt bulb (LV528) Aged Brass	N/A	N/A	N/A	N/A	07033 0	41.18	27.47	20.59
CS270	Mushroom Path Light 18 watt bulb (LV528) Aged Copper	N/A	N/A	N/A	N/A	079781	68.78	45.88	34.39
CS270V	Mushroom Path Light 18 watt bulb (LV528) Aged Brass	N/A	N/A	N/A	N/A	N/A	68.78	45.88	34.39
CS280	Scalloped Path Light 18 watt bulb (LV528) Aged Copper	N/A	N/A	N/A	N/A	07979 8	45.98	30.67	22.99
CS280V	Scalloped Path Light 18 watt bulb (LV528) Aged Brass	N/A	N/A	N/A	N/A	N/A	45.98	30.67	22.99

MALIBU LOW VOLTAGE ACCESSORY PRICES

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MODEL NUMBER	PRODUCT INFORMATION	MASTER PACK QTY	MASTER PACK LBS	MASTER PACK TYPE	UPC* NO. 0 78275	SUGGESTED PRICE LIST EACH	SUGGESTED PRICE TRADE EACH	SUGGESTED PRICE DIST EACH
CLEAR BULBS								
CL844	Bayonet base bulb, 8 watt (2 per pack)	6	0.60	CS 5	06785 1	3.04	2.03	1.52
CL850	MR-16 lamp, 20 watt	6	0.09	CS	02504 2	9.80	6.54	4.90
CL876	MR-11 lamp, 20 watt	6	0.06	CS	02505 9	9.80	6.54	4.90
CL877	Bi-pin halogen bulb, 10 watt (2 per pack)	6	0.06	CS	04450 0	9.20	6.14	4.60
CL889	MR-11 lamp, 10 watt	6	0.05	CS	05796 8	9.40	6.27	4.70
CL890	MR-16 lamp, 35watt	6	0.09	CS	05795 1	10.00	6.67	5.00
LV500	POLY-STAR flood lamp bulb, 11 watt	6	1.60	CS 6	01513 5	5.78	3.86	2.89
LV504	POLY-STAR halogen flood lamp, 14 watt	6	1.55	CS 6	01226 4	9.76	6.51	4.88
LV504D81	18 pack, POLY-STAR halogen flood lamps, 14 watt	18	5.25	CS 6	01226 4	9.76	6.51	4.88
LV505	POLY-STAR halogen flood lamp, 25 watt	6	1.60	CS 6	01747 4	14.00	9.34	7.00
LV505D81	18 pack, POLY-STAR halogen flood lamps, 25 watt	18	5.25	CS 6	01747 4	14.00	9.34	7.00
LV507	POLY-STAR flood lamp, 7 watt	6	1.55	CS 6	02248 5	5.78	3.86	2.89
LV50HBP	Bi-pin halogen bulb, 50 watt (2 per pack)	6	0.60	CS 4	06655 7	12.00	8.00	6.00
LV510	Bayonet base bulb, 18 watt (2 per pack)	6	0.60	CS 5	01719 1	4.62	3.08	2.31
LV512	Bayonet base bulb, 11 watt (2 per pack)	6	0.60	CS 5	01720 7	4.62	3.08	2.31
LV512D82	36 pack, bayonet base bulbs, 11 watt (2 per pack)	36	3.65	CS 5	01720 7	4.62	3.08	2.31
LV516	Wedge base bulb, 4 watt (2 per pack)	6	0.45	CS 4	00296 8	3.04	2.03	1.52
LV516-4	Wedge base bulb, 4 watt (4 per pack)	6	0.45	CS 8	02550 9	5.38	3.59	2.69
LV520	Bi-pin halogen bulb, 20 watt (2 per pack)	6	0.50	CS 4	06239 9	9.50	6.34	4.75
LV520-4	Bi-pin halogen bulb, 20 watt (4 per pack)	6	0.45	CS 8	06240 5	17.00	11.34	8.50
LV522	Wedge base bulb, 11 watt (2 per pack)	6	0.40	CS 4	01227 1	3.04	2.03	1.52
LV522-4	Wedge base bulb, 11 watt (4 per pack)	6	0.45	CS 8	07484 2	5.38	3.59	2.69
LV526	Wedge base bulb, 7 watt (2 per pack)	6	0.50	CS 4	01258 5	3.04	2.03	1.52
LV526-4	Wedge base bulb, 7 watt (4 per pack)	6	0.50	CS 8	06322 8	5.38	3.59	2.69
LV528	Wedge base bulb, 18 watt (2 per pack)	6	1.25	CS 4	01228 8	3.04	2.03	1.52
LV528-4	Wedge base bulb, 18 watt (4 per pack)	6	0.57	CS 8	06238 2	5.38	3.59	2.69
LV529	Fuse type bulb, 7 watt (2 per pack)	6	0.45	CS 4	01739 9	3.04	2.03	1.52
LV529D81	72 pack, fuse type bulbs, 7 watt (2 per pack)	72	4.93	CS 4	01739 9	3.04	2.03	1.52
LZ4WFL	Fluorescent bulb, 4 watt	12	2.40	SP	07286 2	3.58	2.39	1.79
COLORED BULBS AND LENSES								
LV281M	4, 7, 11 Watt Wedge Base Bulb Covers in Amber, Blue, Green & Red	6	0.45	CS 8	01358 2	4.56	3.04	2.28
LV516A	Amber wedge base bulbs, 4 watt (2 per pack)	6	0.45	CS 4	06059 3	4.56	3.04	2.28
LV516B	Blue wedge base bulbs, 4 watt (2 per pack)	6	0.45	CS 4	06060 9	4.56	3.04	2.28
LV516G	Green wedge base bulbs, 4 watt (2 per pack)	6	0.45	CS 4	06061 6	4.56	3.04	2.28
LV516R	Red wedge base bulbs, 4 watt (2 per pack)	6	0.45	CS 4	06062 3	4.56	3.04	2.28

MALIBU LOW VOLTAGE ACCESSORY PRICES

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MODEL NUMBER	PRODUCT INFORMATION	MASTER PACK QTY	MASTER PACK LBS	MASTER PACK TYPE	UPC* NO. 0 78275	SUGGESTED PRICE LIST EACH	SUGGESTED PRICE TRADE EACH	SUGGESTED PRICE DIST EACH
COLORED BULBS AND LENSES (cont'd.)								
LV526A	Amber wedge base bulbs, 7 watt (2 per pack)	6	0.45	CS 4	06063 0	4.56	3.04	2.28
LV526B	Blue wedge base bulbs, 7 watt (2 per pack)	6	0.45	CS 4	06064 7	4.56	3.04	2.28
LV526G	Green wedge base bulbs, 7 watt (2 per pack)	6	0.45	CS 4	06065 4	4.56	3.04	2.28
LV526R	Red wedge base bulbs, 7 watt (2 per pack)	6	0.45	CS 4	06066 1	4.56	3.04	2.28
ACCESSORY PARTS								
LV530D82	6 pack.....surface bracket for 1-1/2" diameter riser	6	3.05	CS 12	01350 6	4.00	2.67	2.00
LV600	Low voltage cable connector	6	0.75	CS 8	01724 5	4.00	2.67	2.00
LV601	Fast lock cable connector	6	0.75	CS 9	01532 6	4.00	2.67	2.00
LV812PR	Remote photo control	6	2.75	CS 10	00295 1	13.00	8.67	6.50
LV814PR	Remote photo control	6	4.16	CS 2	06920 6	16.00	10.67	8.00

MALIBU MIX & MATCH PRICES

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TIER LIGHTS (ML)										
ML10401-10	Promotional tier (LX1) with 4 watt bulb	T1	10	4.40	ML 8	02326 0	4.92	3.28	2.46	24.60
ML10401M	Promotional tier (LX1) with 4 watt bulb	T1	45	24.90	ML 2	02326 0	4.72	3.15	2.36	106.20
ML10401P	Promotional tier (LX1) with 4 watt bulb	T1	32	18.00	ML 3	02326 0	4.82	3.21	2.41	77.12
ML10781-8	Two tier (LV181) with 7 watt bulb	T2	8	4.00	ML 8	02328 4	7.02	4.68	3.51	28.08
ML10781M	Two tier (LV181) with 7 watt bulb	T2	42	16.50	ML 2	02328 4	6.82	4.55	3.41	143.22
ML10781P	Two tier (LV181) with 7 watt bulb	T2	20	8.40	ML 3	02328 4	6.92	4.62	3.46	69.20
ML10781V8	Verde two tier (LV181V) with 7 watt bulb	T6	8	3.55	ML 8	04390 9	7.54	5.03	3.77	30.16
ML10781VM	Verde two tier (LV181V) with 7 watt bulb	T6	42	16.50	ML 2	04390 9	7.14	4.76	3.57	149.94
ML40701-9	Low Profile Tier (LM4) with 7 watt bulb	T4	9	4.50	ML 8	04362 6	7.20	4.80	3.60	32.40
ML11183-6	Three tier (LV183) with 11 watt bulb	T3	6	3.90	ML 8	02330 7	8.80	5.87	4.40	26.40
ML11183M	Three tier (LV183) with 11 watt bulb	T3	24	14.40	ML 2	02330 7	8.58	5.72	4.29	102.96
ML11183P	Three tier (LV183) with 11 watt bulb	T3	18	11.10	ML 3	02330 7	8.70	5.80	4.35	78.30
FLOODLIGHTS (ML)										
ML90401-10	Promotional flood (LX9Z) with 4 watt bulb	F1	10	3.50	ML 8	02327 7	4.92	3.28	2.46	24.60
ML90401M	Promotional flood (LX9Z) with 4 watt bulb	F1	54	19.70	ML 2	02327 7	4.72	3.15	2.36	127.44
ML90401P	Promotional flood (LX9Z) with 4 watt bulb	F1	36	13.50	ML 3	02327 7	4.82	3.21	2.41	86.76
ML90708-8	Rectangular flood (LV108) with 7 watt bulb	F2	8	4.40	ML 8	02329 1	7.02	4.68	3.51	28.08
ML90708M	Rectangular flood (LV108) with 7 watt bulb	F2	42	21.30	ML 2	02329 1	6.82	4.55	3.41	143.22
ML90708P	Rectangular flood (LV108) with 7 watt bulb	F2	22	11.60	ML 3	02329 1	6.92	4.62	3.46	76.12
ML90708V8	Rectangular flood (LV108V) with 7 watt bulb	F4	8	4.30	ML 8	04389 3	7.52	5.02	3.76	30.08
ML90708VM	Rectangular flood (LV108V) with 7 watt bulb	F4	42	21.30	ML 2	04389 3	7.14	4.76	3.57	149.94
ML90708VP	Rectangular flood (LV108V) with 7 watt bulb	F4	22	11.60	ML 3	04389 3	7.22	4.82	3.61	79.42
ML91103-6	Round flood (LV103) with 11 watt POLY-STAR lamp	F3	6	3.35	ML 8	02331 4	8.80	5.87	4.40	26.40
ML91103M	Round flood (LV103) with 11 watt POLY-STAR lamp	F3	42	26.20	ML 2	02331 4	8.58	5.72	4.29	180.18
ML91103P	Round flood (LV103) with 11 watt POLY-STAR lamp	F3	26	16.60	ML 3	02331 4	8.70	5.80	4.35	113.10
SPECIALTY LIGHTS (ML)										
ML30403-7	Crystal (LX3) with 4 watt bulb	S1	7	3.95	ML8	02561 5	6.36	4.24	3.18	22.26
ML30403M	Crystal (LX3) with 4 watt bulb	S1	42	22.80	ML 2	02561 5	6.16	4.11	3.08	129.36
ML30403P	Crystal (LX3) with 4 watt bulb	S1	22	12.40	ML 3	02561 5	6.26	4.18	3.13	68.86
ML30701-10	Low profile well (LM3) with 7 watt bulb	S3	10	3.25	ML 8	04361 9	6.46	4.31	3.23	32.30
ML30701M	Low profile well (LM3) with 7 watt bulb	S3	40	13.00	ML 2	04361 9	7.00	4.67	3.50	140.00
ML30701P	Low profile well (LM3) with 7 watt bulb	S3	36	11.80	ML 3	04361 9	7.10	4.74	3.55	127.80
ML50701-6	Low profile flare (LM5) with 7 watt bulb	S4	6	4.00	ML 8	04363 3	8.00	5.34	4.00	24.00
ML50701M	Low profile flare (LM5) with 7 watt bulb	S4	20	11.00	ML 2	04363 3	7.80	5.20	3.90	78.00
ML50701P	Low profile flare (LM5) with 7 watt bulb	S4	36	19.50	ML 3	04363 3	7.90	5.27	3.95	142.20
SURFACE LIGHTS (ML)										
ML60701M	Edge (LD695) with 7 watt bulb	D5	60	23.40	ML 2	04367 1	7.80	5.20	3.90	234.00
ML60701-8	Edge (LD695) with 7 watt bulb	D5	8	8.40	ML 8	04367 1	8.10	5.40	4.05	32.40
ML60701P	Edge (LD695) with 7 watt bulb	D5	37	14.80	ML 3	04367 1	7.90	5.27	3.95	146.15
ML60704-12	Mariner (LD641) with 7 watt bulb	D4	12	4.00	ML 8	04625 2	6.90	4.60	3.45	41.40
ML60704P	Mariner (LD641) with 7 watt bulb	D4	40	25.00	ML 3	04625 2	6.80	4.54	3.40	136.00
ML60722-10	Rectangular surface (LD622) with 4 watt bulb	D2	10	3.25	ML 8	04063 2	6.38	4.26	3.19	31.90
ML60722M	Rectangular surface (LD622) with 4 watt bulb	D2	60	25.00	ML 2	04063 2	6.18	4.12	3.09	185.40
ML60722P	Rectangular surface (LD622) with 4 watt bulb	D2	50	21.00	ML 3	04063 2	6.28	4.19	3.14	157.00
ML6072L10	Rectangular surface louvred (LD622L) with 7 watt bulb	D2	10	4.00	ML8	07584 9	7.94	5.30	3.97	39.70
POWER PACKS (ML)										
ML44T	44 nominal watts with timer	---	1	2.50	A	02332 1	34.74	23.17	17.37	17.37
ML60TW	60 nominal watts with timer and ground shield	---	1	3.50	A	07560 3	39.00	26.01	19.50	19.50
ML88T	88 nominal watts with timer	---	1	3.40	A	02333 8	38.78	25.87	19.39	19.39
ML121RT	121 nominal watts with timer	---	1	5.70	G	06816 2	48.00	32.02	24.00	24.00

MALIBU MIX & MATCH PRICES

Prices and specifications subject to change without notice (Rev 1/1/01)

MODEL NUMBER	PRODUCT INFORMATION	CODE	MASTER PACK QTY	MASTER PACK LBS	MASTER PACK TYPE	UPC* NO. 0 78275	SUGGESTED PRICE LIST EACH	SUGGESTED PRICE TRADE EACH	SUGGESTED PRICE DISTRIBUTOR EACH	SUGGESTED PRICE DISTRIBUTOR MSTR
POWER PACKS (ML) (cont'd.)										
ML121TW	121 nominal watts with timer and ground shield	---	1	5.30	A	04966 6	58.00	38.69	29.00	29.00
ML200RT	200 nominal watts with timer	---	1	6.20	G	06656 4	98.00	65.37	49.00	49.00
ML200RTW	200 nominal watts with timer and ground shield	---	1	6.20	G	06817 9	108.00	72.04	54.00	54.00
ML300RTW	300 nominal watts with timer and ground shield	---	1	10.00	B	07664 8	120.00	80.04	60.00	60.00
ML600TW	600 nominal watts with timer and ground shield	---	1	20.00	TBD	07665 5	180.00	120.06	90.00	90.00
ML600TWS	600 nominal watts with timer and ground shield	---	1	20.00	TBD	07665 5	204.00	136.07	102.00	102.00
ML900TW	900 nominal watts with timer and ground shield	---	1	29.00	TBD	07698 3	240.00	160.08	120.00	120.00
CABLE (ML)										
ML16250-3	50 feet 16/2 low voltage cable	---	3	7.90	SL	03089 3	12.08	8.06	6.04	18.12
ML16250	50 feet 16/2 low voltage cable	---	20	47.00	SL	03089 3	12.08	8.06	6.04	120.80
ML16210-3	100 feet 16/2 low voltage cable	---	3	14.90	SL	03090 9	23.20	15.47	11.60	34.80
ML16210	100 feet 16/2 low voltage cable	---	9	42.70	SL	03090 9	23.20	15.47	11.60	104.40
ML162-1M	1,000 feet 16/2 low voltage cable	---	1	51.00	REEL	04963 5	225.04	150.10	112.52	112.52
ML14250-3	50 feet 14/2 low voltage cable	---	3	8.90	SL	04955 0	18.52	12.35	9.26	27.78
ML14250	50 feet 14/2 low voltage cable	---	16	43.00	SL	04955 0	18.52	12.35	9.26	148.16
ML14210	100 feet 14/2 low voltage cable	---	6	32.50	SL	03091 6	35.08	23.40	17.54	105.24
ML14210-3	100 feet 14/2 low voltage cable	---	3	16.80	SL	03091 6	35.08	23.40	17.54	52.62
ML142-5C	500 feet 14/2 low voltage cable	---	1	26.50	SP	06713 4	170.14	113.48	85.07	85.07
ML142-5M	5,000 feet 14/2 low voltage cable	---	1	230.50	REEL	04964 2	1649.96	1100.52	824.98	824.98
ML12210	100 feet 12/2 low voltage cable	---	3	24.00	SL	06715 8	53.00	35.35	26.50	79.50
ML122-5C	500 feet 12/2 low voltage cable	---	1	40.00	SP	04965 9	234.62	156.49	117.31	117.31
ML122-1M	1,000 feet 12/2 low voltage cable	---	1	76.00	REEL	06717 2	455.16	303.59	227.58	227.58
CLEAR BULBS (ML)										
ML4W4	4 watt wedge base (4 per bag)	---	216	5.50	ML 4	02335 2	3.88	2.59	1.94	419.04
ML4W4M	4 watt wedge base (4 per bag)	---	108	3.00	ML 5	02335 2	3.98	2.65	1.99	214.92
ML18W4-30	18 watt wedge base (4 per bag)	---	30	0.88	ML 7	06236 8	4.14	2.76	2.07	62.10
ML7W4-30	7 watt wedge base (4 per bag)	---	30	0.83	ML 7	02336 9	4.12	2.75	2.06	61.80
ML4W4P	4 watt wedge base (4 per bag)	---	54	1.70	ML 6	02335 2	4.08	2.72	2.04	110.16
ML7F4M	7 watt fuse type (4 per bag)	---	108	3.20	ML 5	04626 9	3.98	2.65	1.99	214.92
ML7F4P	7 watt fuse type (4 per bag)	---	54	1.90	ML 6	04626 9	4.08	2.72	2.04	110.16
ML7W4	7 watt wedge base (4 per bag)	---	216	5.50	ML 4	02336 9	3.88	2.59	1.94	419.04
ML7W4M	7 watt wedge base (4 per bag)	---	108	3.00	ML 5	02336 9	3.98	2.65	1.99	214.92
ML7W4P	7 watt wedge base (4 per bag)	---	54	1.70	ML 6	02336 9	4.08	2.72	2.04	110.16
ML7P2	7 watt POLY-STAR (2 per bag)	---	10	3.30	ML 4	06810 0	10.84	7.23	5.42	54.20
ML11P2	11 watt POLY-STAR (2 per bag)	---	10	3.30	ML 4	02338 3	10.84	7.23	5.42	54.20
ML11P2-75	11 watt POLY-STAR (2 per bag)	---	75	20.10	ML 3	04608 5	10.84	7.23	5.42	406.50
ML11P2M	11 watt POLY-STAR (2 per bag)	---	5	1.90	ML 5	02338 3	10.84	7.23	5.42	27.10
ML14HP2	14 watt halogen POLY-STAR (2 per bag)	---	10	3.30	ML 4	04627 6	18.28	12.19	9.14	91.40
ML25HP2	25 watt halogen POLY-STAR (2 per bag)	---	10	3.30	ML 4	04628 3	23.08	15.39	11.54	115.40
ML11W4	11 watt wedge base (4 per bag)	---	216	5.50	ML 4	02337 6	3.88	2.59	1.94	419.04
ML11W4M	11 watt wedge base (4 per bag)	---	108	3.00	ML 5	02337 6	3.98	2.65	1.99	214.92
ML11W4P	11 watt wedge base (4 per bag)	---	54	1.70	ML 6	02337 6	4.08	2.72	2.04	110.16
ML18W4P	18 watt wedge base (4 per bag)	---	54	1.50	ML 6	06236 8	4.08	2.72	2.04	110.16
ML20WH2P	20 watt halogen bi-pin (2 per bag)	---	24	0.72	ML 6	07007 3	8.70	5.80	4.35	104.40
ML20WH4P	20 watt halogen bi-pin (4 per bag)	---	54	1.67	ML 6	06237 5	15.20	10.14	7.60	410.40
ML20W11P	20 watt MR11 (individual box)	---	30	1.00	ML 6	06806 3	9.30	6.20	4.65	139.50
ML20W16P	20 watt MR16 (individual box)	---	16	1.05	ML 6	06805 6	9.30	6.20	4.65	74.40
ML50WH2P	50 watt halogen bi-pin (2 per bag)	---	54	1.25	ML 6	06811 7	11.50	7.67	5.75	310.50
COLORED BULBS (ML)										
ML4WA2P	4 watt amber wedge base (2 per bag)	---	60	1.30	ML 6	06140 8	3.80	2.53	1.90	114.00
ML4WB2P	4 watt blue wedge base (2 per bag)	---	60	1.30	ML 6	06141 5	3.80	2.53	1.90	114.00
ML4WG2P	4 watt green wedge base (2 per bag)	---	60	1.30	ML 6	06142 2	3.80	2.53	1.90	114.00
ML4WR2P	4 watt red wedge base (2 per bag)	---	60	1.30	ML 6	06143 9	3.80	2.53	1.90	114.00
ML7WA2P	7 watt amber wedge base (2 per bag)	---	60	1.30	ML 6	06144 6	3.80	2.53	1.90	114.00
ML7WB2P	7 watt blue wedge base (2 per bag)	---	60	1.30	ML 6	06145 3	3.80	2.53	1.90	114.00
ML7WG2P	7 watt green wedge base (2 per bag)	---	60	1.30	ML 6	06146 0	3.80	2.53	1.90	114.00
ML7WR2P	7 watt red wedge base (2 per bag)	---	60	1.30	ML 6	06147 7	3.80	2.53	1.90	114.00
ML4WA2-30	4 watt amber wedge base (2 per bag)	---	30	0.65	ML 7	06140 8	3.80	2.53	1.90	57.00
ML4WB2-30	4 watt blue wedge base (2 per bag)	---	30	0.65	ML 7	06141 5	3.80	2.53	1.90	57.00
ML4WG2-30	4 watt green wedge base (2 per bag)	---	30	0.65	ML 7	06142 2	3.80	2.53	1.90	57.00
ML4WR2-30	4 watt red wedge base (2 per bag)	---	30	0.65	ML 7	06143 9	3.80	2.53	1.90	57.00
ML7WA2-30	7 watt amber wedge base (2 per bag)	---	30	0.65	ML 7	06144 6	3.80	2.53	1.90	57.00
ML7WB2-30	7 watt blue wedge base (2 per bag)	---	30	0.65	ML 7	06145 3	3.80	2.53	1.90	57.00
ML7WG2-30	7 watt green wedge base (2 per bag)	---	30	0.65	ML 7	06146 0	3.80	2.53	1.90	57.00
ML7WR2-30	7 watt red wedge base (2 per bag)	---	30	0.65	ML 7	06147 7	3.80	2.53	1.90	57.00

MALIBU MIX & MATCH PRICES

Prices and specifications subject to change without notice (Rev 1/1/01)

MODEL NUMBER	PRODUCT INFORMATION	CODE	MASTER PACK QTY	MASTER PACK LBS	MASTER PACK TYPE	UPC* NO. 0 78275	SUGGESTED PRICE LIST EACH	SUGGESTED PRICE TRADE EACH	SUGGESTED PRICE DISTRIBUTOR EACH	SUGGESTED PRICE DISTRIBUTOR MSTR
ACCESSORY PARTS (ML)										
ML6-2	Low voltage cable connector (2 per pack)	---	36	9.10	ML 4	02354 3	3.50	2.33	1.75	63.00
ML6-2M	Low voltage cable connector (2 per pack)	---	24	6.30	ML 5	02354 3	3.70	2.47	1.85	44.40
ML6-2P	Low voltage cable connector (2 per pack)	---	12	3.40	ML 6	02354 3	3.78	2.52	1.89	22.68
ML530-2	Surface mounts for 1-1/2" riser (2 packs)	---	14	7.50	ML 4	04629 0	6.00	4.00	3.00	42.00
ML530-2M	Surface mounts for 1-1/2" riser (2 packs)	---	7	4.00	ML 5	04629 0	6.10	4.07	3.05	21.35
ML551-2	Surface mounts for self ratcheting floods (2 packs)	---	36	4.50	ML 4	04630 6	3.20	2.13	1.60	57.60
ML551-2P	Surface mounts for self ratcheting floods (2 packs)	---	9	1.50	ML 6	04630 6	3.40	2.27	1.70	15.30
ML812PR	Remote photo control 121 watts and smaller power packs	---	24	7.90	ML 4	04631 3	11.00	7.34	5.50	132.00
ML812PRM	Remote photo control 121 watts and smaller power packs	---	12	4.20	ML 5	04631 3	11.10	7.40	5.55	66.60
ML812PRP	Remote photo control 121 watts and smaller power packs	---	6	2.40	ML 6	04631 3	11.20	7.47	5.60	33.60
ML814PRM	Remote photo control for use with all Malibu power packs	---	12	8.41	ML 5	06921 3	13.90	9.27	6.95	83.40
ML814PRP	Remote photo control for use with all Malibu power packs	---	6	10.00	ML 6	06921 3	14.00	9.34	7.00	42.00
COLORED LENSES AND BULB COVERS (ML)										
ML901C2M	Clear lens for LX9Z & ML90401 (2 per pack)	---	12	4.90	ML 4	02341 3	4.20	2.80	2.10	25.20
ML903A2	Amber lens for ML91103 & LV103 (2 per pack)	---	24	4.10	ML 4	02349 9	4.10	2.73	2.05	49.20
ML903A2M	Amber lens for LV103 & ML91103 (2 per pack)	---	18	4.90	ML 4	02339 0	4.10	2.73	2.05	36.90
ML903B2	Blue lens for ML91103 & LV103 (2 per pack)	---	24	4.10	ML 4	02350 5	4.10	2.73	2.05	49.20
ML903B2M	Blue lens for LV103 & ML91103 (2 per pack)	---	18	4.90	ML 4	02342 0	4.10	2.73	2.05	36.90
ML903G2	Green lens for ML91103 & LV103 (2 per pack)	---	24	4.10	ML 4	02352 9	4.10	2.73	2.05	49.20
ML903G2M	Green lens for LV103 & ML91103 (2 per pack)	---	18	4.90	ML 4	02340 6	4.10	2.73	2.05	36.90
ML903R2	Red lens for ML91103 & LV103 (2 per pack)	---	24	4.10	ML 4	02353 6	4.10	2.73	2.05	49.20
ML903R2M	Red lens for LV103 & ML91103 (2 per pack)	---	18	4.90	ML 4	02341 3	4.10	2.73	2.05	36.90
ML908C2	Clear lens for ML90708 & LV108 (2 per pack)	---	18	3.90	ML 4	02346 8	4.10	2.73	2.05	36.90
ML908C2M	Clear lens for ML90708 & LV108 (2 per pack)	---	10	3.90	ML 4	02346 8	4.10	2.73	2.05	20.50

MALIBU CARTON AND PACKAGING INFORMATION

CARTON TYPE	DIMENSIONS IN INCHES Front (W)	Side (D)	Height (H)	CUBIC FEET	PALLET QUANTITY
A	5 1/8	5	9 1/4	0.137	175
B	6 1/4	6 1/8	9 1/4	0.205	180
C	5 7/8	5 7/8	11 7/8	0.237	147
D	7 1/4	7 1/8	13 1/4	0.396	72
F	7 1/8	4 3/8	11 5/8	0.210	180
G	6	6	7 3/4	0.160	200
H	7 3/4	5 1/2	11 3/4	0.289	126
I	4 1/4	2 3/8	5 1/8	0.020	1053
J	4 3/8	3 1/4	9 1/2	0.080	450
K	4 1/2	4 1/2	3	0.035	800
L	4 1/2	4 1/2	9	0.105	240
M	15 3/4	31 3/4	4 3/8	1.260	24
R	7 1/8	3 7/8	24 3/4	7.000	80
S	4 1/2	4 1/2	6 1/4	0.073	480
T	4 1/2	4 1/8	18	0.190	140
U	4 1/2	4 1/2	9 1/2	0.111	320

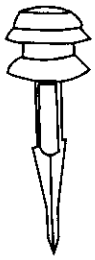
1A	11 3/4	9 3/4	8 3/4	0.580	80
1B	11 3/4	9 3/4	14	0.928	48
1C	13 1/4	11 3/4	15	1.351	36
2A	13 1/4	11 3/4	18 1/2	1.667	24
2B	11 3/4	9 3/4	11 1/2	0.760	64
2C	13 1/4	11 3/4	21 1/2	1.937	24
3A	9 3/4	8 1/4	9	0.420	80

ML2	15 3/4	18 1/8	23 3/4	3.920	12
ML3	16 3/8	16 3/4	17 3/4	2.920	12
ML4	5 1/2	24	9	0.688	56
ML5	5 1/8	12	9	0.320	96
ML6	5 1/8	6 1/4	8 3/4	0.170	180
ML7	5 1/8	4 1/4	9	0.110	400
ML8	7 3/4	14 5/8	15 7/8	1.030	30

CARTON TYPE	DIMENSIONS IN INCHES Front (W)	Side (D)	Height (H)
CS2	5 3/8	3 1/4	10
CS3	5 1/8	2 1/2	12 5/8
CS4	3	1	7
CS5	3	1 3/8	7
CS6	6	2 3/4	7
CS7	6	3 1/2	7
CS8	3	1 1/2	7
CS10	7	1 1/2	9
CS12	7	3 1/2	9

CODE	DESCRIPTION
CS	Clamshell
PB	Plastic Bag with Header
REEL	Sold on a Reel
SL	Sleeve
SP	Special Pack. Call for information

2001 MALIBU SOLAR PRODUCTS



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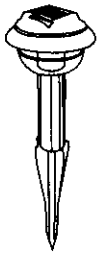

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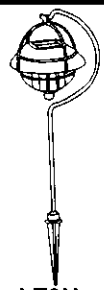

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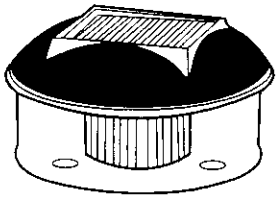

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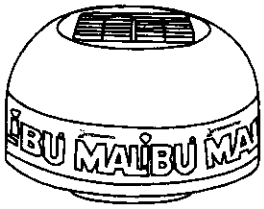

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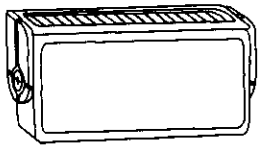

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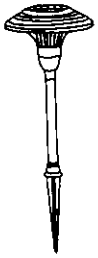

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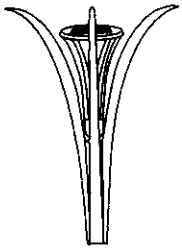

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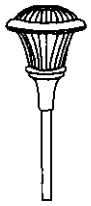

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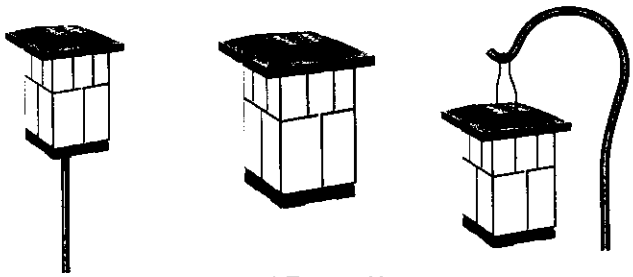

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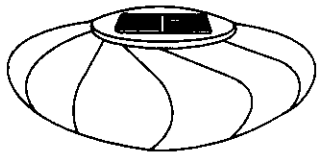


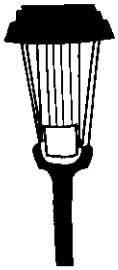
LZ16551

LZ201

LZ14001H

REPLACEMENT PARTS

LZ1FL,LZWU,LZ4WFL,LZ90004



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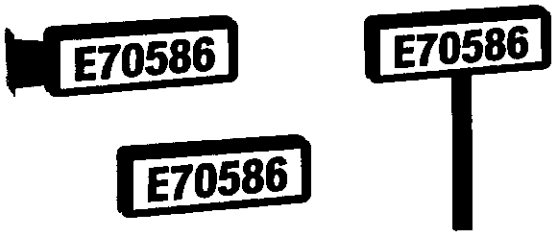

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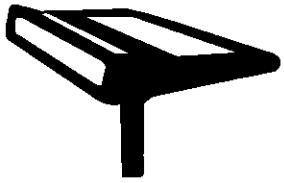


LZ10006

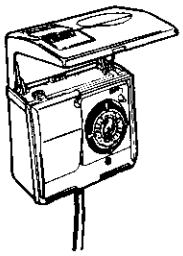
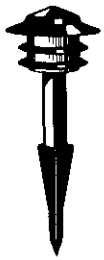
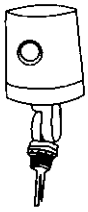
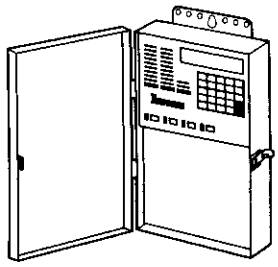
2001 MALIBU SOLAR PRODUCT PRICES

Prices and specifications subject to change without notice (Rev 9/14/00)

	MODEL NUMBER	PRODUCT INFORMATION QUANTITY AND FIXTURE TYPE	BULB	WARR PER	MASTER PACK QTY	LBS	TYPE	UPC* NO. 0 78275	SUGGESTED PRICE LIST EACH	TRADE EACH	DIST EACH
	SOLAR LIGHTS										
	LZ1	Tier	AMBER	2 Years	4	2.80	L	07101 8	22.00	14.67	11.00
	LZ10	Metal Flare	AMBER	2 Years	4	6.30	H	07500 9	30.00	20.01	15.00
NEW	LZ10006	Flood (Avail April of 2001)	Whites	2 Years	4	TBD	TBD	07965 6	70.00	46.69	35.00
NEW	LZ10130	Metal Tier	Amber	2 Years	4	TBD	C	07948 9	29.50	19.68	14.75
NEW	LZ11101	Metal Walk Light	White	2 Years	4	TBD	C	07953 3	42.50	28.35	21.25
NEW	LZ11401H	Metal Walk Light	White	2 Years	4	TBD	H	07960 1	40.00	26.68	20.00
NEW	LZ11550	Torch (Avail April of 2001)	Amber	2 Years	4	TBD	TBD	07957 1	56.00	37.35	28.00
NEW	LZ11711	Metal Decor Light	White	2 Years	4	TBD	TBD	07955 7	44.00	29.35	22.00
NEW	LZ11771H	Prairie Style	White	2 Years	4	TBD	D	07966 3	40.50	27.01	20.25
	LZ1-2	2 LZ1 Tier Lights	Amber	2 Years	4	5.50	B	07106 3	43.00	28.68	21.50
NEW	LZ12341	Address Light (Avail April of 2001)	Whites	2 Years	4	TBD	TBD	07964 9	58.00	38.69	29.00
	LZ1-4	4 LZ1 Tier Lights	Amber	2 Years	1	2.45	3A	07102 5	86.00	57.36	43.00
NEW	LZ14001H	Metal Carriage Light	White	2 Years	4	TBD	D	07968 7	35.00	23.35	17.50
NEW	LZ15	Table Light	Amber	2 Years	6	TBD	TBD	07956 4	16.00	10.67	8.00
	LZ1-5	5 LZ1 Tier Lights	Amber	2 Years	1	3.50	1A	07202 2	107.50	71.70	53.75
NEW	LZ16220	Deck Light (Avail April of 2001)	Amber	2 Years	6	TBD	TBD	07949 6	20.00	13.34	10.00
NEW	LZ16551	Floating/Surface Light	White	2 Years	4	TBD	TBD	07967 0	31.50	21.01	15.75
	LZ1-8	8 LZ1 Tier Lights	Amber	2 Years	1	5.00	2B	07593 1	170.00	113.39	85.00
	LZ201	Fluorescent Crystal Light	Fluorescent	2 Years	4	TBD	H	07773 7	48.00	32.02	24.00
	LZ3	Crystal Light	Amber	2 Years	4	4.75	B	05822 4	23.00	15.34	11.50
	LZ3-2	2 LZ3 Crystal Lights	Amber	2 Years	4	7.00	B	05823 1	44.00	29.35	22.00
	LZ3H	Hanging Crystal Light	Amber	2 Years	4	6.00	B	07557 3	25.00	16.68	12.50
	LZ3H-2	Hanging Crystal Lights	Amber	2 Years	4	12.00	H	07651 8	48.50	32.35	24.25
	LZ3T4	4 LZ3 Crystal Lights	Amber	2 Years	1	4.76	3A	07009 7	88.00	58.70	44.00
	LZ3T6	6 LZ3 Crystal Lights	Amber	2 Years	1	7.14	1A	07010 3	110.00	73.37	55.00
	LZ3T8	8 LZ3 Crystal Lights	Amber	2 Years	1	9.52	2B	07011 0	132.00	88.04	66.00
	LZ4H	Plastic Carriage Light	Amber	2 Years	4	7.00	D	07521 4	29.00	19.34	14.50
	LZ4H-2	2 LZ4H Plastic Carriage Lights	Amber	2 Years	4	14.00	D	07625 9	56.50	37.69	28.25
	LZ4H-4	4 LZ4H Plastic Carriage Lights	Amber	2 Years	1	7.00	TBD	07940 3	113.00	75.37	56.50
	LZ6	Solar Candle	Amber	2 Years	4	1.70	K	06674 8	18.00	12.01	9.00
	LZ6-2	2 LZ6 Solar Candles	Amber	2 Years	4	3.40	S	07683 9	35.60	23.75	17.80
	LZ6-3	3 LZ6 Solar Candles	Amber	2 Years	4	5.10	U	07684 6	52.80	35.22	26.40
	LZ6D12	12 LZ6 Candles Hanging Display	Amber	2 Years	1	TBD	TBD	06674 8	216.00	144.07	108.00
	LZ6D18	18 LZ6 Candles Shelf Display	Amber	2 Years	1	TBD	TBD	06674 8	324.00	216.11	162.00
	SOLAR ACCESSORIES										
	LZ1WFL	Fluorescent 1 Watt Bulb		N/A	12	2.40	CS	07879 6	3.58	2.39	1.79
	LZ1WU	Fluorescent 1 Watt "U" Shaped Bulb		N/A	12	TBD	TBD	TBD	3.58	2.39	1.79
	LZ4WFL	Fluorescent 4 Watt Bulb		N/A	12	2.40	SP	07286 2	3.58	2.39	1.79
	LZ90004	AA Solar Rechargeable Batteries (4 Per Pack)		N/A	12	1.80	CS	07695 2	9.78	6.52	4.89

PACKAGING INFORMATION

PKG TYPE	PACK DIMENSIONS Front	Side	Height	PALLET QUANTITY	CUBE	PKG TYPE	PACK DIMENSIONS Front	Side	Height	PALLET QUANTITY	CUBE
1A	12	10	9	80	0.580	L	5	5	9	240	0.105
2B	12	10	12	64	0.760	S	5	5	6	480	0.073
3A	10	8	9	80	0.420	U	5	5	10	320	0.111
B	6	6	9	175	0.205						
C	6	6	12	147	0.237						
D	7	7	13	72	0.396						
H	8	6	12	125	0.289						
K	5	5	3	800	0.035	ALL DIMENSIONS ARE ROUNDED OFF					

2001

DISTRIBUTOR CONFIDENTIAL PRICE LIST

IMPORTANT ORDERING INFORMATION

MINIMUM ORDER REQUIREMENTS:
Orders or customer requested partial shipments for less than $100.00 net will be billed at $100.00 plus transportation charges.

FREIGHT POLICY:

1. **Allowance.** Freight is prepaid, F.O.B. Spring Grove, Illinois on shipments of an assortment of items totaling 48 pieces or $750 (excluding parts and accessories) to any one destination in the United States.

2. **Routing and Ownership.** All goods are the property of the buyer once loaded on a truck in any Intermatic warehouse location and are shipped at the buyer's risk. Unless specified differently by the buyer, Intermatic will determine routing. If the purchaser specified a more expensive means of shipping, no allowance will be granted and the order will be shipped freight collect by means specified.

3. **Freight Claims.** Claims for loss or damage to goods in transit should be made by the purchaser to the transportation company immediately. Claims for discrepancies in bills of lading or other shipping documents must be made within ten days of receipt or they will not be considered by Intermatic. Although Intermatic will act on behalf of the buyer in furnishing documention to the freight company, freight tracing is the responsibility of the buyer, and no freight claim credits will be issued without documentation by the buyer.

SERVICE AND REPAIR: For service and repair send all products to:
INTERMATIC INCORPORATED
7777 Winn Road
Spring Grove, IL 60081-9698

RETURNED GOODS POLICY:
No returned materials of any kind will be accepted by Intermatic without a Returned Goods Authorization (RGA) from a designated representative of Intermatic Incorporated. Such authorization may be granted by Intermatic under the following circumstances:

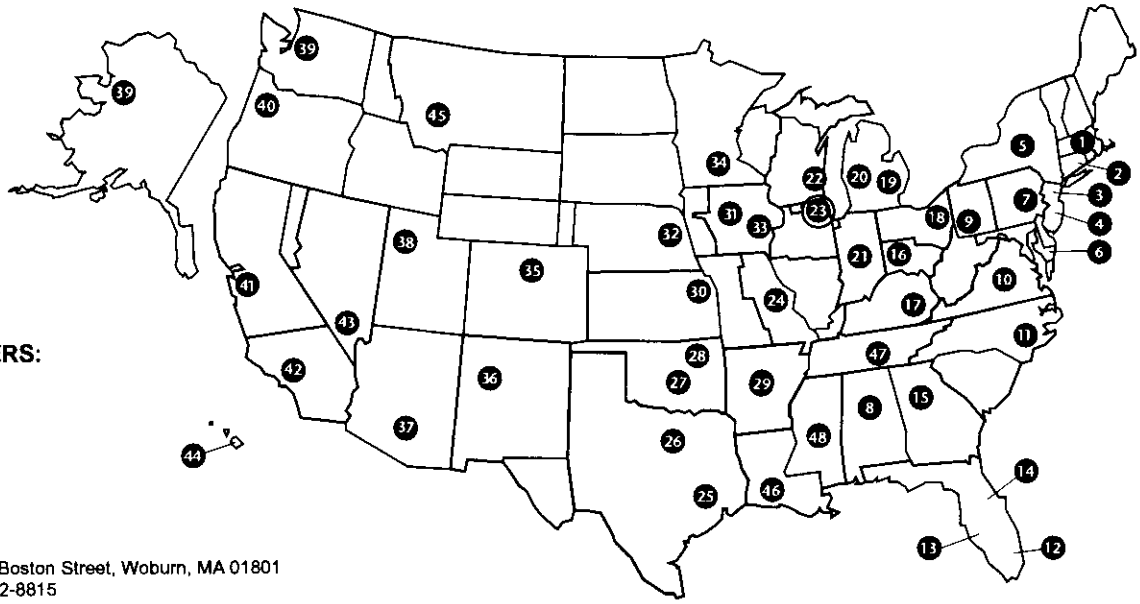
1. **Overstock.** Intermatic reserves the right to limit returns of non-defective goods from any distributor to 5 percent of the value of the distributor's purchases from Intermatic in the previous 12-month period, provided such returns consist of products in saleable condition, listed on current price sheets. A handling charge of 15 percent will be levied on any returned goods valued over 5 percent of the purchases and further charges may be assessed at Intermatic's discretion for repackaging, refurbishing, or other activities necessary to render the returned goods saleable. Obsolete or overstock goods are not accepted under any circumstances. Intermatic does not pay freight on overstock returns.

2. **Defective Goods.** In this context the term defective goods refers to merchandise which is delivered in a non-functional or blemished condition which renders it unsaleable. It does not mean material damaged in shipment or customer returns. Intermatic accepts for return defective goods from the unsold inventories of distributor and retailer customers provided an RGA is issued prior to a return. Under certain circumstances, Intermatic reserves the right to conduct a field inspection of the goods claimed to be defective before issuance of the RGA. Intermatic pays the freight costs associated with the destination, the method of return, and/or the carrier.

3. **Special Orders.** Any items made to special order are not subject to return unless they are defective.

INDUSTRIAL & COMMERCIAL SALES REPRESENTATIVES

Revised Jan. 2001



CORPORATE HEADQUARTERS:
Intermatic, Incorporated
7777 Winn Road
Spring Grove, IL 60081
Phone: (815) 675-2321
Fax: (815) 675-7105

1. * **DAVID ROLE & COMPANY** 216 New Boston Street, Woburn, MA 01801 Phone: (781) 932-8810 FAX: (781) 932-8815
2. **P&M SALES, LTD.** 400 Chapel Road, Unit 2-1, South Windsor, CT 06074-4169 Phone: (860) 528-9181 FAX: (860) 528-7050
3. **INTERMATIC INCORPORATED Florham Park, NJ 07932 Phone: (973) 301-9174 FAX: (973) 301-9405**
4. * **TOPINKA ASSOCIATES** 43 Woodland Ave., Rochelle Park, NJ 07662 Phone: (201) 368-8330 FAX: (201) 368-0512
5. **MILLS TALBOT CO.** 100 Thompson Street, Fayetteville, NY 13066 Phone: (315) 637-0511 FAX: (315) 637-0512
6. * **R. C. COLERICK, INC.** 1244 Ritchie Hwy. Suite 13, Arnold, MD 21202 Phone: (410) 421-9511 Fax: (410) 421-9514
7. * **LMC ASSOCIATES** 95 Canal Rd., Penn Warner Industrial Park, Fairless Hills, PA 19030 Phone: (800) 220-5691 FAX: (215) 428-1137
8. **BISHOP & BROGDON** 1324 Stonehurst Drive, Birmingham, AL 35235 Phone: (205) 854-7272 FAX: same as phone
9. * **PAOLICELLI & ASSOCIATES** Gregg & Hammond Sts., Carnegie Industrial Park, P.O. Box 665, Carnegie, PA 15106-0665 Phone: (412) 276-8816 FAX: (412) 276-6670
10. **FRENCH** 4551 Cox Road, Suite 240, Glen Allen, VA 23060 Phone: (804) 270-3205 FAX: (804) 270-0885
11. * **E. F. LOMBARDI COMPANY** PO BOX 669186, 2101 Freedom Drive, Charlotte, NC 28266 Phone: (704) 334-1637, FAX: (704) 372-6078
12. * **INTERMATIC INCORPORATED, PAT NEVINS, 3007 N.W. 60th St., Ft. Lauderdale, FL 33309 Phone: (954) 972-5402, (954) 972-5403 FAX: (954) 973-2458**
13. **INTERMATIC INCORPORATED,** ROY STOUT, 9550 Sun Isle Drive, N.E. St. Petersburg, FL 33702 Phone: (727) 577-3329 FAX: (727) 577-3403
14. **INTERMATIC INCORPORATED** JON PAYNE, P.O. Box 533463, Orlando, FL 32853-3463 Phone: (407) 895-8774 FAX: (407) 895-3868
15. * **BISHOP & BROGDON** 523 Whitehall Street S.W., Atlanta, GA 30303 Phone: (404) 522-8124 FAX: (404) 524-8138
16. * **RIFFLE & ASSOCIATES INC.** 2671 Crescentville Rd., Cincinnati, OH 45241 Phone: (513) 771-0002 FAX: (513) 771-0011
17. * **L.P. CHICK CO.** P.O. Box 19021, 1110 Industrial Blvd., Louisville, KY 40259-0021 Phone: (502) 964-8181 FAX: (502) 964-8196
18. **RIFFLE & ASSOCIATES** 16760 W. Park Circle Dr., Chagrin Falls, OH 44022 Phone: (440) 543-8257 FAX: (440) 543-7236
19. **ELECTROCOM-MIDWEST SALES, INC. (EAST)** 42690 Woodward Ave., Suite 275 Bloomfield Hills, MI 48304 Phone: (248) 335-0965 FAX: (248) 335-2050
20. **ELECTROCOM-MIDWEST SALES, INC. (WEST)** 4485 Plainfield N.E. Suite 530, Grand Rapids, MI 49525 Phone: (616) 364-8084 FAX: (616) 364-0135
21. **NEW CENTURY SALES** 7966 Zionsville Road, Indianapolis, IN 46268 Phone: (317) 334-9697 FAX: (317) 334-9676
22. **LAKESHORE ELECTRICAL, INC.** 614 W. Brown Deer Rd., Suite 230, Bayside,WI 53217 Phone: (414) 228-0580 (800) 229-2227 FAX: (414) 228-0585
23. **INTERMATIC INCORPORATED CORPORATE OFFICES Intermatic Plaza, Spring Grove, IL 60081-9698 Phone: (815) 675-2321 FAX: (815) 675-7105**
24. **MARTIN ELECTRICAL SALES, INC.** 136 West Adams, P.O. Box 220189, Kirkwood, MO 63122 Phone: (314) 966-8659 FAX: (314) 966-6748
25. * **ETEL** 7106 Cavalcade, Houston, TX 77028 Phone: (713) 678-4460 FAX: (713) 678-4371
26. * **BURRUS & MATTHEWS, INC.** 2221 Vanco Drive, Irving, TX 75061 Phone: (972) 438-8881 FAX: (972) 438-2296
27. **BURRUS & MATTHEWS, INC.** 1330 Classen Blvd., Suite 116, Oklahoma City, OK 73106 Phone: (405) 232-0011 FAX: (405) 236-8030
28. **BURRUS & MATTHEWS, INC.** 4833 South Sheridan, Suite 406C, Tulsa, OK 74145 Phone: (918) 622-7767 FAX: (918) 622-1924
29. **BURRUS & MATTHEWS, INC.** 5 Southern Hills Circle Suite 6, Little Rock, AR 72209 Phone: (501) 455-5680 FAX: (501) 455-5680 (same as phone)
30. **STOVER & ASSOCIATES, INC.** 4460 W. 107th St., Shawnee Mission, KS 66207 Phone: (913) 649-6600 FAX: (913) 649-2762
31. **JOE BERTSCH ELECTRICAL SALES** 5832 Dry Creek Lane N.E., Cedar Rapids, IA 52402, P.O. Box 10940, Cedar Rapids, IA 52410-0940 Phone: (319) 395-9220 FAX: (319) 395-9224
32. **JOE BERTSCH ELECTRICAL SALES** 9328 G Court, Omaha, NE 68127 Phone: (402) 339-5366 FAX: (402) 339-4881
33. **JOE BERTSCH ELECTRICAL SALES** 8450 Hickman Rd., Suite 15F, Des Moines, IA 50325 Phone: (515) 276-8967 FAX: (515) 276-8968
34. **FRUEN'S SALES COMPANY** 9905 10th Avenue, Minneapolis, MN 55441 Phone: (612) 546-7173 FAX: (612) 546-7024
35. **I-PRO INC.** 6301 Federal Blvd. Suite 201, Denver, CO 80221 Phone: (720) 540-3636 FAX: (720) 540-3626
36. **CENTAURI SALES** 10708 Elena Dr. NE, Albuquerque, NM 87122 Phone: (505) 823-9816 FAX: (505) 823-9608
37. **INTERMATIC INCORPORATED** DON ROBERTSON, District Manager 526 E. Sagebrush St., Gilbert, AZ 85299 Phone: (480) 813-0580 FAX: (480) 926-6847
38. * **JRC INC.** 3041 W. 2100 South, Salt Lake City, UT 84119, P.O. Box 25416, Salt Lake City, UT 84125-0416 Phone: (801) 972-3970 FAX: (801) 975-1411
39. * **PRO-LINE SALES & MARKETING** P.O. Box 84006, Seattle, WA 98124, 1043 6th Ave. South Seattle, WA 98134 Phone: (206) 624-0524 FAX: (206) 625-9349
40. **PRO-LINE SALES & MARKETING SOUTH** 19781 SW 95th Place, Tualatin, OR 97062 Phone: (503) 692-6993 FAX: (503) 612-6706
41. * **INTERMATIC - NORTHERN CALIFORNIA 2350 S. Watney Way, Unit B, Fairfield, CA 94533 Phone: (707) 421-8695 FAX: (707) 421-2456**
42. * **INTERMATIC INCORPORATED 6101 Rickenbacker Rd., City of Commerce, CA 90040 Phone: (323) 722-6460 FAX: (323) 722-1262**
43. **BOB LEFF** 6316 Winter Valley Court, Las Vegas, NV 89130 Phone: (702) 395-1456 FAX: (702) 395-1457 Pager: (702) 695-0923
44. * **J LAU AGENCY** The Executive Centre, 1088 Bishop St., Suite 1224, Honolulu, HI 96813 Phone: (808) 532-2929 FAX: (808) 532-2933
45. **NORTHERN ROCKIES AGENCY** 2335 Birdie Drive, Bozeman, MT 59715 Phone: (406) 587-0513 FAX: (406) 587-3677
46. * **POWER CORPORATION** 12232 Industriplex Blvd., Suite 2, Baton Rouge, LA 70809 Phone: (225) 754-7394, (800) 750-7754, FAX: (225) 754-7203
47. **BAILEY/MARTIN & ASSOCIATES** 935 6th Ave. South, Nashville, TN 37203 Phone: (615) 256-3000 Fax: (615) 242-6780
48. **WHEATLEY & ASSOCIATES** PO Box 305, 207 I - 55 Trace Drive, Ridgeland, MS 39157 Phone: (601) 856-8150 FAX: (601) 856-8330

*Indicates carries stock of industrial and commercial products.

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http://www.intermatic.com

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KBS "Fasteners for all industry"

Knoxville Bolt & Screw, Inc.
614 Sevier Avenue - P.O. Box 9217
Knoxville, Tennessee 37920
865 / 573-1991
FAX 865 / 573-8617

SEII
X1.20

Name Edwards Supply

QUOTATION

Address

ATTN: JACK

Terms

Delivery

F.O.B.

Quantity	DESCRIPTION & SIZE	List	Discount	Unit	Net Per /
	1/4-20x1 Hx G5 Gr5 (zinc)				.034 EA
	1 1/2 "				.046 EA
	2 "				.058 EA
	2 1/2 "				.069 EA
	3 "				.087 EA
	3/8-16x1 Hx G5 Gr5 (zinc)				.072 EA
	1 1/2 "				.094 EA
	2 "				.12 EA
	2 1/2 "				.14 EA
	3 "				.16 EA
	1/2-13x1 Hx G5 Gr5 (zinc)				.145 EA
	1 1/2 "				.175 EA
	2 "				.21 EA
	2 1/2 "				.26 EA
	3 "				.29 EA
	5/8-11x1 Hx G5 Gr5 (zinc)				.25 EA
	1 1/2 "				.29 EA
	2 "				.35 EA
	2 1/2 "				.41 EA
	3 "				.475 EA
	1/4 USS Flw zinc				.009 EA
	3/8 "				.019 EA

BY Paul Johnson

"Fasteners for all Industry"

Knoxville Bolt & Screw, Inc.

614 Sevier Avenue - P.O. Box 9217
Knoxville, Tennessee 37920
865 / 573-1991
FAX 865 / 573-8617

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Name Edwards Supply

QUOTATION

Address

Terms

Delivery

F.O.B.

Quantity	DESCRIPTION & SIZE	List	Discount	Unit	Net Per /
	1/2 USS Flw (Zinc)				.045 EA
	5/8 "				.093 EA
	Thanks,				
	PC				

BY Paul Johnson